AR TARGET SHEET

The following document was too large to scan as one unit, therefore, it has been divided into sections.

EDMC#:	0074172
SECTION:	1 OF 5
DOCUMENT #:	J00132
TITLE:	Data Package Summary Analytical Laboratory 100 Area and 300 Area Component of RCBRA Tissues - Resampling

0074172

SAF-RC-097
100 & 300 Area Component of the RCBRA Tissues - Resampling
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Jill Thomson H4-22 KW 10/15/07
Initials/Date

Duane Jacques H4-22 KW 10/15/07
Initials/Date

COMMENTS:

SDG J00132 SAF-RC-097

Rad only X Chem only Rad & Chem

X Complete Partial

WASTE SITE: RCBRA 100-F FISH WHOLE ORG
RCBRA U3-U4 Aq, FISH WHOLE ORG

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STL Knoxville
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ANALYTICAL REPORT

PROJECT NO. RC-097-3

RC-097-3
SDG #: J00132

Joan Kessner

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TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

October 2, 2007

1A RLW 10-15-07

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Trace Level Organics **57**
- Raw Sample Data 58
- Standards Data 372
- Raw QC Data 2486
- Miscellaneous Data 2899

Sample Receipt Documentation **2908**

Total Number of Pages **2911**

ANALYTICAL METHODS SUMMARY

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PARAMETER	ANALYTICAL METHOD
PCBs, HRGC/HRMS	EPA-22 1668A

References:

EPA-22 "METHOD 1668, REVISION A: CHLORINATED BIPHENYL CONGENERS IN WATER, SOIL, SEDIMENT, AND TISSUE BY HRGC/HRMS" EPA-821-R-00-002 12/99

SAMPLE SUMMARY

J00132 : H7I180256

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J64JQ	001	J15J75	09/11/07	15:30
J64JX	002	J15J87	09/12/07	09:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

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The results reported herein are applicable to the samples submitted for analysis only.

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The original chain of custody documentation is included with this report.

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

For the matrix spike/matrix spike duplicate of sample J15J87, the listed native analytes were outside the stated control limits:

Matrix Spike

PCB 66	215%	(Limits: 40 – 160%)
PCB 105	152%	(Limits: 50 – 150%)
PCB 118	212%	(Limits: 50 – 150%)

Matrix Spike Duplicate

PCB 66	194%	(Limits: 40 – 160%)
PCB 105	154%	(Limits: 50 – 150%)
PCB 118	205%	(Limits: 50 – 150%)
PCB 153/168	163%	(Limits: 40 – 160%)

The method referenced for the analysis was EPA 1668 Revision A.

TestAmerica Knoxville (formerly STL Knoxville) maintains the following certifications, approvals and accreditations: Arkansas DEQ Cert. #05-043-0, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906, Hawaii DOH, Illinois EPA Cert. #000687, Indiana DOH Cert. #C-TN-02, Iowa DNR Cert. #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab ID #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH Cert. #LA030024, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #TN001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Cert. #CL0059, Oklahoma DEQ ID #9415, Pennsylvania DEP Cert. #68-00576, South Carolina DHEC Lab ID #84001001, Tennessee DOH Lab ID #02014, Utah DOH Cert. # QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, West Virginia DEP Cert. #345, Wisconsin DNR Lab ID #998044300, Naval Facilities Engineering Service Center and USDA Soil Permit #S-46424. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

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Nomenclature
The standardization strategy described in this report uses the naming convention of SW-846 Method 8290. This convention differs from Method 1668A in the following manner:

Standard Addition Occurs Prior To:	Method 1668 A	SW-846 Conventions Used in This Report
Sampling	None	Sampling Surrogate
Extraction	Labeled Toxics/LOC/Window Defining	Internal Standard
Cleanups	Labeled Cleanup Standard	Cleanup Standard
Injection	Labeled Injection Internal Standard	Recovery Standard

The shorthand notation used for congeners in this report is summarized in Table 2.

Qualifiers:

The following flags are used to qualify results for HRMS PCB results:

J – The reported result is an estimate. The amount reported is below the Estimated Minimum Level (EML). EML is defined by the method as the lowest concentration at which an analyte can be measured reliably with common laboratory interferences present. This value has been determined for each congener by MDL and laboratory method blank studies. The value is adjusted to reflect sample specific initial and final volumes.

E – The reported result is an estimate. The amount reported is above the UCL described below.

The E qualifier is applied on the basis of the **Upper Calibration Level (UCL)**. The quantitative definition of the UCL is listed below:

Upper Calibration Level: The concentration or mass of analyte in the sample that corresponds to the highest calibration level in the initial calibration. It is equivalent to the concentration of the highest calibration standard, assuming that all method-specified sample weights, volumes, and cleanup procedures have been employed.

B – The analyte is present in the associated method blank at a reportable level. For this analysis, there is no method specified reporting level, other than the qualitative criterion that peaks must exhibit a signal-to-noise ratio of 2.5-to-1. Therefore, the presence of any

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amount of the analyte present in the blank will result a B qualifier on all associated samples.

Note: Some laboratories do not report contamination in the blank unless it is above their lower calibration limit, or an established percentage of the level in the samples, or an established percentage of the regulatory limit. Likewise, some laboratories set a reporting limit at one half the lower calibration limit.

Q – Estimated maximum possible concentration. This qualifier is used when the result is generated from chromatographic data that does not meet all the qualitative criteria for a positive identification given in the method. The criteria include the following areas:
- Ion abundance ratios must be within specified limits (+/-15% of theoretical ion abundance ratio.)
- Retention time criteria (relative to the method-specified isotope labeled retention time standard).
- Co-maximization criterion. The two quantitation ion peaks must reach their maxima within 2 seconds of each other.

S – Ion suppression evident. The trace indicating the signal from the lock mass of the calibration compound shows a deflection at the retention time of the analyte. This may indicate a temporary suppression of the instrument sensitivity, due to a matrix-borne interference.

C – Coeluting Isomer. The isomer is known to coelute with another member of its homologue group, or the peak shape is shouldered, indicating the likelihood of a coeluting isomer. When the C flag is followed by a number, the number indicates the lowest numbered congener among the coelution set. For example, if 100 pg/L is detected at the retention time of PCB 156, and PCB 157 is known to coelute with PCB 156, the results will be flagged as follows:
PCB 156 100 pg/L C
PCB 157 100 pg/L C26

In certain electronic deliverables the result field for PCB 157 will be null, with "C156" appearing in the qualifier field in accordance with the CARP EDD specification.

X – Other. See explanation in narrative.

Results
The results for the analyses are summarized in the following pages. Please see comments regarding qualifiers, above. Additional information regarding qualifiers is explained in the legends at the end of each result summary. All PCB shorthand identifications are done in accordance with the IUPAC convention. A summary of the IUPAC convention is

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provided in Table 2.

Detection Limits
For all analyte results a sample specific detection limit is calculated for that analyte. This is done by first determining the GC/MS peak height of the noise or interferent in the expected region of the analyte signal. This value is multiplied by the number 2.5, which serves as a safety factor. The 2.5 safety factor is disregarded if the noise present in the analyte region is a result of chemical interferences. The resulting signal response value is then used to estimate the minimum detectable analyte amount. The result is the estimated sample detection limit.

When an analyte is not detected, an ND appears in place of the result. The value in the detection limit column is the estimated detection limit for the analyte in that particular sample.

EXAMPLE CALCULATIONS

The following formulas were used for sample calculations. Examples are given for calculating the percent recovery for internal standard $^{13}C_{12}$-PCB 1, the concentration of native PCB 1 and the EDL for PCB 1. All values used in the calculations below are typical (i.e. not extracted from a particular sample). Actual values are found on the IsoCalc Preliminary Sample Report (IPSR) at the position indicated (in parentheses, below):

INTERNAL STANDARD RECOVERY ($^{13}C_{12}$-PCB 1)

$$\text{Percent Recovery} = \frac{\Sigma A_{IS} \bullet W_{RS} \bullet 100\%}{\Sigma A_{RS} \bullet W_{IS} \bullet RRF}$$

ΣA_{IS} = Sum of areas for the Internal Standard quantitation ions. (IPSR – Column "Area", Row "13C12-PCB 1")

W_{RS} = Mass in ng of the Recovery Standard. (IPSR – Column "Standard Amt", Row "13C12-PCB 9")

ΣA_{RS} = Sum of areas for the Recovery Standard quantitation ions. (IPSR – Column "Area", Row "13C12-PCB 9")

W_{IS} = Mass in ng of the Internal Standard. (IPSR – Column "Std Amt", Row "13C12-PCB 1")

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RRF = Internal Standard mean relative response factor from the initial multipoint calibration. (IPSR - Column "RF", Row "13C12-PCB 1".)

Substituting typical values, $\frac{1106275 \bullet 2.000\ (ng) \bullet 100\%}{1205581 \bullet 2.000\ (ng) \bullet 1.412} = 65\%$ Recovery

NATIVE ANALYTE QUANTITATION (PCB 1)

$$\text{Conc} = \frac{\Sigma A_X \bullet W_{IS}}{\Sigma A_{IS} \bullet V \bullet 0.001\ (mL/L) \bullet RRF}$$

ΣA_X = Sum of areas for analyte quantitation ions. (IPSR – Area Column "Area", Row "PCB 1")

W_{IS} = Mass in ng of Internal Standard. (IPSR – Column "Std Amt", Row "13C12-PCB 1")

ΣA_{IS} = Sum areas for the Internal Standard. (IPSR – Column "Area", Row 13C12-PCB 1)

V = Volume of sample extracted in mL. (IPSR – Header Column 2, Row "Initial Wt/Vol")

RRF = Native analyte mean relative response factor from the initial calibration, or daily response factor as appropriate. (IPSR – Column "RF", Row "PCB 1")

Substituting typical values, $\frac{8951 \bullet 2.000\ (ng)}{1106275 \bullet 2200\ (mL) \bullet 0.001\ (mL/L) \bullet 1.136} = 0.00647\ ng/L = 6.47\ pg/L$

CALCULATION OF SAMPLE SPECIFIC ESTIMATED DETECTION LIMIT

This calculation uses the noise values found on the IsoCalc Preliminary Peak Report (IPPR), which follows the IPSR. All the other values used in the equation are found on the IPSR.)

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$$\frac{\Sigma I_X \bullet W_{IS} \bullet T_{SN}}{\Sigma I_{IS} \bullet V \bullet 0.001\ (mL/L) \bullet RRF}$$

ΣI_X = Sum of the intensities of the noise levels of the characteristic ions in the region of analyte elution. (IPPR – Columns "Height1" and "Height2", Row {mass} 188, Sub-Row "Noise").

W_{IS} = Mass in ng of the Internal Standard. (IPSR – Column "Std Amt", Row "13C12-PCB 1").

T_{SN} = Minimum Signal-to-Noise threshold. = 2.5. A constant, specified by the method.

ΣI_{IS} = Intensity of the corresponding ^{13}C ions. (IPSR – Column "Height", Row "13C12-PCB 9")

V = Volume of sample extracted in mL. (IPSR – Header Column 2, Row "Initial Wt/Vol")

RRF = Native analyte mean relative response factor from the initial calibration or daily standard as appropriate. (IPSR – Column "RF", Row "PCB 1")

Substituting typical values $\frac{79 \bullet 2000\ (pg) \bullet 2.5}{334600 \bullet 2200\ (mL) \bullet 0.001\ (mL/L) \bullet 1.136} = 0.466\ pg/L$

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Table 1							
Concentration of PCBs in Calibration Solutions							
Analyte Type	BZ/IUPAC[1]	CS 0.5 ng/mL	CS 1 ng/mL	CS 2 ng/mL	CS 3[2] ng/mL	CS 4 ng/mL	CS 5 ng/mL
Congeners							
2-MoCB	1	0.5	1.0	5.0	50	400	2000
4-MoCB	3	0.5	1.0	5.0	50	400	2000
2,2'-DiCB	4	0.5	1.0	5.0	50	400	2000
4,4'-DiCB	15	0.5	1.0	5.0	50	400	2000
2,2',6'-TrCB	19	0.5	1.0	5.0	50	400	2000
3,4,4'-TrCB	37	0.5	1.0	5.0	50	400	2000
2,2',6,6'-TeCB	54	0.5	1.0	5.0	50	400	2000
3,3',4,4'-TeCB	77	0.5	1.0	5.0	50	400	2000
3,4,4',5-TeCB	81	0.5	1.0	5.0	50	400	2000
2,2',4,6,6'-PeCB	104	0.5	1.0	5.0	50	400	2000
2,3,3',4,4'-PeCB	105	0.5	1.0	5.0	50	400	2000
2,3,4,4',5-PeCB	114	0.5	1.0	5.0	50	400	2000
2,3',4,4',5-PeCB	118	0.5	1.0	5.0	50	400	2000
2',3,4,4',5-PeCB	123	0.5	1.0	5.0	50	400	2000
3,3',4,4',5-PeCB	126	0.5	1.0	5.0	50	400	2000
2,2',4,4',6,6'-HxCB	155	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5-HxCB	156	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5'-HxCB	157	0.5	1.0	5.0	50	400	2000
2,3',4,4',5,5'-HxCB	167	0.5	1.0	5.0	50	400	2000
3,3',4,4',5,5'-HxCB	169	0.5	1.0	5.0	50	400	2000
2,2',3,4',5,6,6'-HpCB	188	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5,5'-HpCB	189	0.5	1.0	5.0	50	400	2000
2,2',3,3',5,5',6,6'-OcCB	202	0.5	1.0	5.0	50	400	2000
2,3,3',4,4',5,5',6-OcCB	205	0.5	1.0	5.0	50	400	2000
2,2',3,3',4,4',5,5',6-NoCB	206	0.5	1.0	5.0	50	400	2000
2,2',3,3',4',5,5',6,6'-NoCB	208	0.5	1.0	5.0	50	400	2000
DeCB	209	0.5	1.0	5.0	50	400	2000
All other CB congeners		0.5	1.0	5.0	50	400	2000
Labeled Congeners							
$^{13}C_{12}$-2-MoCB	1L	100	100	100	100	100	100
$^{13}C_{12}$-4-MoCB	3L	100	100	100	100	100	100
$^{13}C_{12}$-2,2'-DiCB	4L	100	100	100	100	100	100
$^{13}C_{12}$-4,4'-DiCB	15L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',6-TrCB	19L	100	100	100	100	100	100
$^{13}C_{12}$-3,4,4'-TrCB	37L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',6,6'-TeCB	54L	100	100	100	100	100	100
$^{13}C_{12}$-3,3',4,4'-TeCB	77L	100	100	100	100	100	100
$^{13}C_{12}$-3,4,4',5-TeCB	81L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',4,6,6'-PeCB	104L	100	100	100	100	100	100
$^{13}C_{12}$-2,3,3',4,4'-PeCB	105L	100	100	100	100	100	100
$^{13}C_{12}$-2,3,4,4',5-PeCB	114L	100	100	100	100	100	100
$^{13}C_{12}$-2,3',4,4',5-PeCB	118L	100	100	100	100	100	100
$^{13}C_{12}$-2',3,4,4',5-PeCB	123L	100	100	100	100	100	100
$^{13}C_{12}$-3,3',4,4',5-PeCB	126L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',4,4',6,6'-HxCB	155L	100	100	100	100	100	100
$^{13}C_{12}$-2,3,3',4,4',5-HxCB	156L	100	100	100	100	100	100
$^{13}C_{12}$-2,3,3',4,4',5'-HxCB	157L	100	100	100	100	100	100
$^{13}C_{12}$-2,3',4,4',5,5'-HxCB	167L	100	100	100	100	100	100
$^{13}C_{12}$-3,3',4,4',5,5'-HxCB	169L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',3,3',4,4',5-HpCB	170L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',3,4',5,6,6'-HpCB	188L	100	100	100	100	100	100
$^{13}C_{12}$-2,3,3',4,4',5,5'-HpCB	189L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',3,3',5,5',6,6'-OcCB	202L	100	100	100	100	100	100
$^{13}C_{12}$-2,3,3',4,4',5,5',6-OcCB	205L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',3,3',4,4',5,5',6-NoCB	206L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',3,3',4',5,5',6,6'-NoCB	208L	100	100	100	100	100	100

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Table 1							
Concentration of PCBs in Calibration Solutions							
		CS 0.5	CS 1	CS 2	CS 3[2]	CS 4	CS 5
Analyte Type	BZ/IUPAC[1]	ng/mL	ng/mL	ng/mL	ng/mL	ng/mL	ng/mL
Congeners							
$^{13}C_{12}$-DeCB	209L	100	100	100	100	100	100
Cleanup Standards							
$^{13}C_{12}$-2,4,4'-TriCB	28L	0.5	1.0	5.0	50	400	--
$^{13}C_{12}$-2,3,3',5,5'-PeCB	111L	0.5	1.0	5.0	50	400	--
$^{13}C_{12}$-2,2',3,3',5,5',6-HpCB	178L	0.5	1.0	5.0	50	400	--
Recovery Standards							
$^{13}C_{12}$-2,5-DiCB	9L	100	100	100	100	100	100
$^{13}C_{12}$-2,4',5-TriCB	31L	100	100	100	100	100	100
$^{13}C_{12}$-2,4',6-TriCB	32L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',5,5'-TeCB	52L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',4',5,5'-PeCB	101L	100	100	100	100	100	100
$^{13}C_{12}$-3,3',4,5,5'-PeCB	127L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',3',4,4',5'-HxCB	138L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',3,4,4',5,5'-HpCB	180L	100	100	100	100	100	100
$^{13}C_{12}$-2,2',3,3',4,4',5,5'-OcCB	194L	100	100	100	100	100	100
Labeled Sampling Surrogates							
$^{13}C_{12}$-2,4'-DiCB	8L	0.5	1.0	5.0	50	400	--
$^{13}C_{12}$-3,3',4,5'-TeCB	79L	0.5	1.0	5.0	50	400	--
$^{13}C_{12}$-2,2',3,5',6-PeCB	95L	0.5	1.0	5.0	50	400	--
$^{13}C_{12}$-2,2',4,4',5,5'-HxCB	153L	0.5	1.0	5.0	50	400	--

Notes:
1. Suffix "L" indicates labeled compound
2. Section 15.3, calibration verification solution

Table 2					
PCB Shorthand Nomenclature Used in this Report					
BZ/IUPAC Number[1].	PCB Chemical Structure Name[2]	CAS Registry[3] Number	BZ/IUPAC Number[1].	PCB Chemical Structure Name[2]	CAS Registry[3] Number
1	2-monochlorobiphenyl	2051-60-7	106	2,3,3',4,5-pentachlorobiphenyl	70424-69-0
2	3-monochlorobiphenyl	2051-61-8	107/109	2,3,3',4,6-pentachlorobiphenyl	74472-35-8
3	4-monochlorobiphenyl	2051-62-9	108/107	2,3,3',4',5-pentachlorobiphenyl	70424-68-9
4	2,2'-dichlorobiphenyl	13029-08-8	109/108	2,3,3',4,5'-pentachlorobiphenyl	70362-41-3
5	2,3-dichlorobiphenyl	16605-91-7	110	2,3,3',4',6-pentachlorobiphenyl	38380-03-9
6	2,3'-dichlorobiphenyl	25569-80-6	111	2,3,3',5,5'-pentachlorobiphenyl	39635-32-0
7	2,4-dichlorobiphenyl	33284-50-3	112	2,3,3',5,6-pentachlorobiphenyl	74472-36-9
8	2,4'-dichlorobiphenyl	34883-43-7	113	2,3,3',5',6-pentachlorobiphenyl	68194-10-5
9	2,5-dichlorobiphenyl	34883-39-1	114	2,3,4,4',5-pentachlorobiphenyl	74472-37-0
10	2,6-dichlorobiphenyl	33146-45-1	115	2,3,4,4',6-pentachlorobiphenyl	74472-38-1
11	3,3'-dichlorobiphenyl	2050-67-1	116	2,3,4,5,6-pentachlorobiphenyl	18259-05-7
12	3,4-dichlorobiphenyl	2974-92-7	117	2,3,4',5,6-pentachlorobiphenyl	68194-11-6
13	3,4'-dichlorobiphenyl	2974-90-5	118	2,3',4,4',5-pentachlorobiphenyl	31508-00-6
14	3,5-dichlorobiphenyl	34883-41-5	119	2,3',4,4',6-pentachlorobiphenyl	56558-17-9
15	4,4'-dichlorobiphenyl	2050-68-2	120	2,3',4,5,5'-pentachlorobiphenyl	68194-12-7
16	2,2',3-trichlorobiphenyl	38444-78-9	121	2,3',4,5',6-pentachlorobiphenyl	56558-18-0
17	2,2',4-trichlorobiphenyl	37680-66-3	122	2',3,3',4,5-pentachlorobiphenyl (2,3,3',4',5'-pentachlorobiphenyl)	76842-07-4
18	2,2',5-trichlorobiphenyl	37680-65-2	123	2',3,4,4',5-pentachlorobiphenyl (2,3',4,4',5'-pentachlorobiphenyl)	65510-44-3
19	2,2',6-trichlorobiphenyl	38444-73-4	124	2',3,4,5,5'-pentachlorobiphenyl (2,3',4',5',5-pentachlorobiphenyl)	70424-70-3
20	2,3,3'-trichlorobiphenyl	38444-84-7	125	2',3,4,5,6'-pentachlorobiphenyl (2,3',4',5',6-pentachlorobiphenyl)	74472-39-2
21	2,3,4-trichlorobiphenyl	55702-46-0	126	3,3',4,4',5-pentachlorobiphenyl	57465-28-8
22	2,3,4'-trichlorobiphenyl	38444-85-8	127	3,3',4,5,5'-pentachlorobiphenyl	39635-33-1

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Table 2

PCB Shorthand Nomenclature Used in this Report

BZ/IUPAC Number[1].	PCB Chemical Structure Name[2]	CAS Registry[3] Number	BZ/IUPAC Number[1].	PCB Chemical Structure Name[2]	CAS Registry[3] Number
23	2,3,5-trichlorobiphenyl	55720-44-0	128	2,2',3,3',4,4'-hexachlorobiphenyl	38380-07-3
24	2,3,6-trichlorobiphenyl	55702-45-9	129	2,2',3,3',4,5-hexachlorobiphenyl	55215-18-4
25	2,3',4-trichlorobiphenyl	55712-37-3	130	2,2',3,3',4,5'-hexachlorobiphenyl	52663-66-8
26	2,3',5-trichlorobiphenyl	38444-81-4	131	2,2',3,3',4,6-hexachlorobiphenyl	61798-70-7
27	2,3',6-trichlorobiphenyl	38444-76-7	132	2,2',3,3',4,6'-hexachlorobiphenyl	38380-05-1
28	2,4,4'-trichlorobiphenyl	7012-37-5	133	2,2',3,3',5,5'-hexachlorobiphenyl	35694-04-3
29	2,4,5-trichlorobiphenyl	15862-07-4	134	2,2',3,3',5,6-hexachlorobiphenyl	52704-70-8
30	2,4,6-trichlorobiphenyl	35693-92-6	135	2,2',3,3',5,6'-hexachlorobiphenyl	52744-13-5
31	2,4',5-trichlorobiphenyl	16606-02-3	136	2,2',3,3',6,6'-hexachlorobiphenyl	38411-22-2
32	2,4',6-trichlorobiphenyl	38444-77-8	137	2,2',3,4,4',5-hexachlorobiphenyl	35694-06-5
33	2',3,4-trichlorobiphenyl (2,3',4'-trichlorobiphenyl)	38444-86-9	138	2,2',3,4,4',5'-hexachlorobiphenyl	35065-28-2
34	2',3,5-trichlorobiphenyl (2,3',5'-trichlorobiphenyl)	37680-68-5	139	2,2',3,4,4',6-hexachlorobiphenyl	56030-56-9
35	3,3',4-trichlorobiphenyl	37680-69-6	140	2,2',3,4,4',6'-hexachlorobiphenyl	59291-64-4
36	3,3',5-trichlorobiphenyl	38444-87-0	141	2,2',3,4,5,5'-hexachlorobiphenyl	52712-04-6
37	3,4,4'-trichlorobiphenyl	38444-90-5	142	2,2',3,4,5,6-hexachlorobiphenyl	41411-61-4
38	3,4,5-trichlorobiphenyl	53555-66-1	143	2,2',3,4,5,6'-hexachlorobiphenyl	68194-15-0
39	3,4',5-trichlorobiphenyl	38444-88-1	144	2,2',3,4,5',6-hexachlorobiphenyl	68194-14-9
40	2,2',3,3'-tetrachlorobiphenyl	38444-93-8	145	2,2',3,4,6,6'-hexachlorobiphenyl	74472-40-5
41	2,2',3,4-tetrachlorobiphenyl	52663-59-9	146	2,2',3,4',5,5'-hexachlorobiphenyl	51908-16-8
42	2,2',3,4'-tetrachlorobiphenyl	36559-22-5	147	2,2',3,4',5,6-hexachlorobiphenyl	68194-13-8
43	2,2',3,5-tetrachlorobiphenyl	70362-46-8	148	2,2',3,4',5,6'-hexachlorobiphenyl	74472-41-6
44	2,2',3,5'-tetrachlorobiphenyl	41464-39-5	149	2,2',3,4',5',6-hexachlorobiphenyl	38380-04-0
45	2,2',3,6-tetrachlorobiphenyl	70362-45-7	150	2,2',3,4',6,6'-hexachlorobiphenyl	68194-08-1
46	2,2',3,6'-tetrachlorobiphenyl	41464-47-5	151	2,2',3,5,5',6-hexachlorobiphenyl	52663-63-5
47	2,2',4,4'-tetrachlorobiphenyl	2437-79-8	152	2,2',3,5,6,6'-hexachlorobiphenyl	68194-09-2
48	2,2',4,5-tetrachlorobiphenyl	70362-47-9	153	2,2',4,4',5,5'-hexachlorobiphenyl	35065-27-1
49	2,2',4,5'-tetrachlorobiphenyl	41464-40-8	154	2,2',4,4',5,6'-hexachlorobiphenyl	60145-22-4
50	2,2',4,6-tetrachlorobiphenyl	62796-65-0	155	2,2',4,4',6,6'-hexachlorobiphenyl	33979-03-2
51	2,2',4,6'-tetrachlorobiphenyl	68194-04-7	156	2,3,3',4,4',5-hexachlorobiphenyl	38380-08-4
52	2,2',5,5'-tetrachlorobiphenyl	35693-99-3	157	2,3,3',4,4',5'-hexachlorobiphenyl	69782-90-7
53	2,2',5,6'-tetrachlorobiphenyl	41464-41-9	158	2,3,3',4,4',6-hexachlorobiphenyl	74472-42-7
54	2,2',6,6'-tetrachlorobiphenyl	15968-05-5	159	2,3,3',4,5,5'-hexachlorobiphenyl	39635-35-3
55	2,3,3',4-tetrachlorobiphenyl	74338-24-2	160	2,3,3',4,5,6-hexachlorobiphenyl	41411-62-5
56	2,3,3',4'-tetrachlorobiphenyl	41464-43-1	161	2,3,3',4,5',6-hexachlorobiphenyl	74472-43-8
57	2,3,3',5-tetrachlorobiphenyl	70424-67-8	162	2,3,3',4',5,5'-hexachlorobiphenyl	39635-34-2
58	2,3,3',5'-tetrachlorobiphenyl	41464-49-7	163	2,3,3',4',5,6-hexachlorobiphenyl	74472-44-9
59	2,3,3',6-tetrachlorobiphenyl	74472-33-6	164	2,3,3',4',5',6-hexachlorobiphenyl	74472-45-0
60	2,3,4,4'-tetrachlorobiphenyl	33025-41-1	165	2,3,3',5,5',6-hexachlorobiphenyl	74472-46-1
61	2,3,4,5-tetrachlorobiphenyl	33284-53-6	166	2,3,4,4',5,6-hexachlorobiphenyl	41411-63-6
62	2,3,4,6-tetrachlorobiphenyl	54230-22-7	167	2,3',4,4',5,5'-hexachlorobiphenyl	52663-72-6
63	2,3,4',5-tetrachlorobiphenyl	74472-34-7	168	2,3',4,4',5',6-hexachlorobiphenyl	59291-65-5
64	2,3,4',6-tetrachlorobiphenyl	52663-58-8	169	3,3',4,4',5,5'-hexachlorobiphenyl	32774-16-6
65	2,3,5,6-tetrachlorobiphenyl	33284-54-7	170	2,2',3,3',4,4',5-heptachlorobiphenyl	35065-30-6
66	2,3',4,4'-tetrachlorobiphenyl	32598-10-0	171	2,2',3,3',4,4',6-heptachlorobiphenyl	52663-71-5
67	2,3',4,5-tetrachlorobiphenyl	73575-53-8	172	2,2',3,3',4,5,5'-heptachlorobiphenyl	52663-74-8
68	2,3',4,5'-tetrachlorobiphenyl	73575-52-7	173	2,2',3,3',4,5,6-heptachlorobiphenyl	68194-16-1
69	2,3',4,6-tetrachlorobiphenyl	60233-24-1	174	2,2',3,3',4,5,6'-heptachlorobiphenyl	38411-25-5
70	2,3',4',5-tetrachlorobiphenyl	32598-11-1	175	2,2',3,3',4,5',6-heptachlorobiphenyl	40186-70-7
71	2,3',4',6-tetrachlorobiphenyl	41464-46-4	176	2,2',3,3',4,6,6'-heptachlorobiphenyl	52663-65-7
72	2,3',5,5'-tetrachlorobiphenyl	41464-42-0	177	2,2',3,3',4',5,6-heptachlorobiphenyl (2,2',3,3',4,5',6'-heptachlorobiphenyl)	52663-70-4

PROJECT NARRATIVE
J00132

Table 2

PCB Shorthand Nomenclature Used in this Report

BZ/IUPAC Number[1].	PCB Chemical Structure Name[2]	CAS Registry[3] Number	BZ/IUPAC Number[1].	PCB Chemical Structure Name[2]	CAS Registry[3] Number
73	2,3',5',6-tetrachlorobiphenyl	74338-23-1	178	2,2',3,3',5,5',6-heptachlorobiphenyl	52663-67-9
74	2,4,4',5-tetrachlorobiphenyl	32690-93-0	179	2,2',3,3',5,6,6'-heptachlorobiphenyl	52663-64-6
75	2,4,4',6-tetrachlorobiphenyl	32598-12-2	180	2,2',3,4,4',5,5'-heptachlorobiphenyl	35065-29-3
76	2',3,4,5-tetrachlorobiphenyl (2,3',4',5'-tetrachlorobiphenyl)	70362-48-0	181	2,2',3,4,4',5,6-heptachlorobiphenyl	74472-47-2
77	3,3',4,4'-tetrachlorobiphenyl	32598-13-3	182	2,2',3,4,4',5,6'-heptachlorobiphenyl	60145-23-5
78	3,3',4,5-tetrachlorobiphenyl	70362-49-1	183	2,2',3,4,4',5',6-heptachlorobiphenyl	52663-69-1
79	3,3',4,5'-tetrachlorobiphenyl	41464-48-6	184	2,2',3,4,4',6,6'-heptachlorobiphenyl	74472-48-3
80	3,3',5,5'-tetrachlorobiphenyl	33284-52-5	185	2,2',3,4,5,5',6-heptachlorobiphenyl	52712-05-7
81	3,4,4',5-tetrachlorobiphenyl	70362-50-4	186	2,2',3,4,5,6,6'-heptachlorobiphenyl	74472-49-4
82	2,2',3,3',4-pentachlorobiphenyl	52663-62-4	187	2,2',3,4',5,5',6-heptachlorobiphenyl	52663-68-0
83	2,2',3,3',5-pentachlorobiphenyl	60145-20-2	188	2,2',3,4',5,6,6'-heptachlorobiphenyl	74487-85-7
84	2,2',3,3',6-pentachlorobiphenyl	52663-60-2	189	2,3,3',4,4',5,5'-heptachlorobiphenyl	39635-31-9
85	2,2',3,4,4'-pentachlorobiphenyl	65510-45-4	190	2,3,3',4,4',5,6-heptachlorobiphenyl	41411-64-7
86	2,2',3,4,5-pentachlorobiphenyl	55312-69-1	191	2,3,3',4,4',5',6-heptachlorobiphenyl	74472-50-7
87	2,2',3,4,5'-pentachlorobiphenyl	38380-02-8	192	2,3,3',4,5,5',6-heptachlorobiphenyl	74472-51-8
88	2,2',3,4,6-pentachlorobiphenyl	55215-17-3	193	2,3,3',4',5,5',6-heptachlorobiphenyl	69782-91-8
89	2,2',3,4,6'-pentachlorobiphenyl	73575-57-2	194	2,2',3,3',4,4',5,5'-octachlorobiphenyl	35694-08-7
90	2,2',3,4',5-pentachlorobiphenyl	68194-07-0	195	2,2',3,3',4,4',5,6-octachlorobiphenyl	52663-78-2
91	2,2',3,4',6-pentachlorobiphenyl	68194-05-8	196	2,2',3,3',4,4',5,6'-octachlorobiphenyl	42740-50-1
92	2,2',3,5,5'-pentachlorobiphenyl	52663-61-3	197	2,2',3,3',4,4',6,6'-octachlorobiphenyl	33091-17-7
93	2,2',3,5,6-pentachlorobiphenyl	73575-56-1	198	2,2',3,3',4,5,5',6-octachlorobiphenyl	68194-17-2
94	2,2',3,5,6'-pentachlorobiphenyl	73575-55-0	199/200	2,2',3,3',4,5,6,6'-octachlorobiphenyl	52663-73-7
95	2,2',3,5',6-pentachlorobiphenyl	38379-99-6	200/201	2,2',3,3',4,5',6,6'-octachlorobiphenyl	40186-71-8
96	2,2',3,6,6'-pentachlorobiphenyl	73575-54-9	201/199	2,2',3,3',4,5,5',6'-octachlorobiphenyl	52663-75-9
97	2,2',3',4,5-pentachlorobiphenyl (2,2',3,4',5'-pentachlorobiphenyl)	41464-51-1	202	2,2',3,3',5,5',6,6'-octachlorobiphenyl	2136-99-4
98	2,2',3',4,6-pentachlorobiphenyl (2,2',3,4',6'-pentachlorobiphenyl)	60233-25-2	203	2,2',3,4,4',5,5',6-octachlorobiphenyl	52663-76-0
99	2,2',4,4',5-pentachlorobiphenyl	38380-01-7	204	2,2',3,4,4',5,6,6'-octachlorobiphenyl	74472-52-9
100	2,2',4,4',6-pentachlorobiphenyl	39485-83-1	205	2,3,3',4,4',5,5',6-octachlorobiphenyl	74472-53-0
101	2,2',4,5,5'-pentachlorobiphenyl	37680-73-2	206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	40186-72-9
102	2,2',4,5,6-pentachlorobiphenyl	68194-06-9	207	2,2',3,3',4,4',5,6,6'-nonachlorobiphenyl	52663-79-3
103	2,2',4,5',6-pentachlorobiphenyl	60145-21-3	208	2,2',3,3',4,5,5',6,6'-nonachlorobiphenyl	52663-77-1
104	2,2',4,6,6'-pentachlorobiphenyl	56558-16-8	209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	2051-24-3
105	2,3,3',4,4'-pentachlorobiphenyl	32598-14-4			

1. The BZ number is from Ballschmiter and Zell (1980). The IUPAC number, when different from the BZ, follows the recommended changes to the BZ number per Schulte and Malisch (1983) and Guitart et al. (1993).

2. The chemical structure names are from Ballschmiter and Zell (1980). IUPAC nomenclature structure names are listed in parenthesis when different from the BZ name (source CAS Registry).

3. Chemical Abstract Service Registry number (source CAS Registry and 1668A Table 1).

Sample Data Summary

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H71180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.011	0.00042	ng/g
PCB 2 (BZ)	ND		0.011	0.00050	ng/g
PCB 3 (BZ)	**0.0017**	**Q J**	**0.011**	**0.00054**	**ng/g**
PCB 4 (BZ)	**0.0052**	**Q B J**	**0.022**	**0.0021**	**ng/g**
PCB 5 (BZ)	ND		0.011	0.0017	ng/g
PCB 6 (BZ)	**0.0028**	**Q B J**	**0.011**	**0.0016**	**ng/g**
PCB 7 (BZ)	ND		0.011	0.0016	ng/g
PCB 8 (BZ)	**0.0090**	**Q B J**	**0.022**	**0.0015**	**ng/g**
PCB 9 (BZ)	ND		0.011	0.0016	ng/g
PCB 10 (BZ)	ND		0.011	0.0017	ng/g
PCB 11 (BZ)	**0.0068**	**Q B J**	**0.022**	**0.0016**	**ng/g**
PCB 12 (BZ)	**0.0013**	**Q B C J**	**0.011**	**0.0016**	**ng/g**
PCB 13 (BZ)	**0.0013**	**Q B C12 J**	**0.011**	**0.0016**	**ng/g**
PCB 14 (BZ)	**0.00087**	**Q B J**	**0.011**	**0.0013**	**ng/g**
PCB 15 (BZ)	**0.0032**	**Q B J**	**0.011**	**0.0017**	**ng/g**
PCB 16 (BZ)	**0.010**	**Q J**	**0.011**	**0.0013**	**ng/g**
PCB 17 (BZ)	**0.017**	**B**	**0.011**	**0.0011**	**ng/g**
PCB 18 (BZ)	**0.045**	**B**	**0.022**	**0.0012**	**ng/g**
PCB 19 (BZ)	ND		0.011	0.0013	ng/g
PCB 20 (BZ)	**0.12**	**B C**	**0.022**	**0.00083**	**ng/g**
PCB 21 (BZ)	**0.023**	**B C**	**0.011**	**0.00081**	**ng/g**
PCB 22 (BZ)	**0.018**	**Q B**	**0.011**	**0.00085**	**ng/g**
PCB 23 (BZ)	ND		0.011	0.00086	ng/g
PCB 24 (BZ)	**0.0011**	**Q J**	**0.011**	**0.00084**	**ng/g**
PCB 25 (BZ)	**0.0036**	**Q B J**	**0.011**	**0.00076**	**ng/g**
PCB 26 (BZ)	**0.013**	**B C**	**0.011**	**0.00082**	**ng/g**
PCB 27 (BZ)	**0.0033**	**J**	**0.011**	**0.00077**	**ng/g**
PCB 28 (BZ)	**0.12**	**B C20**	**0.022**	**0.00083**	**ng/g**
PCB 29 (BZ)	**0.013**	**B C26**	**0.011**	**0.00082**	**ng/g**
PCB 30 (BZ)	ND		0.022	0.00080	ng/g
PCB 31 (BZ)	**0.059**	**B**	**0.022**	**0.00080**	**ng/g**
PCB 32 (BZ)	ND		0.011	0.00076	ng/g
PCB 33 (BZ)	**0.023**	**B C21**	**0.011**	**0.00081**	**ng/g**
PCB 34 (BZ)	ND		0.011	0.00085	ng/g
PCB 35 (BZ)	ND		0.011	0.00086	ng/g
PCB 36 (BZ)	ND		0.011	0.00080	ng/g

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0054	J	0.011	0.00084	ng/g
PCB 38 (BZ)	ND		0.011	0.00083	ng/g
PCB 39 (BZ)	ND		0.011	0.00078	ng/g
PCB 40 (BZ)	0.025	C	0.011	0.0011	ng/g
PCB 41 (BZ)	0.0056	Q J	0.011	0.0015	ng/g
PCB 42 (BZ)	0.028		0.011	0.0012	ng/g
PCB 43 (BZ)	0.0054	Q C J	0.011	0.0011	ng/g
PCB 44 (BZ)	0.17	B C	0.011	0.0010	ng/g
PCB 45 (BZ)	0.0067	B C J	0.011	0.0012	ng/g
PCB 46 (BZ)	ND		0.011	0.0015	ng/g
PCB 47 (BZ)	0.17	B C44	0.011	0.0010	ng/g
PCB 48 (BZ)	0.026		0.011	0.0012	ng/g
PCB 49 (BZ)	0.18	B	0.011	0.0011	ng/g
PCB 50 (BZ)	0.0041	Q C J	0.011	0.0012	ng/g
PCB 51 (BZ)	0.0067	B C45 J	0.011	0.0012	ng/g
PCB 52 (BZ)	0.36	B	0.011	0.0012	ng/g
PCB 53 (BZ)	0.0041	Q C50 J	0.011	0.0012	ng/g
PCB 54 (BZ)	ND		0.011	0.0011	ng/g
PCB 55 (BZ)	ND		0.011	0.00092	ng/g
PCB 56 (BZ)	0.027		0.011	0.00087	ng/g
PCB 57 (BZ)	0.0017	J	0.011	0.00089	ng/g
PCB 58 (BZ)	0.0065	Q J	0.011	0.00085	ng/g
PCB 59 (BZ)	0.015	Q B C	0.011	0.00082	ng/g
PCB 60 (BZ)	0.11		0.011	0.00090	ng/g
PCB 61 (BZ)	ND		0.022	0.00090	ng/g
PCB 62 (BZ)	0.015	Q B C59	0.011	0.00082	ng/g
PCB 63 (BZ)	0.019		0.011	0.00080	ng/g
PCB 64 (BZ)	0.083		0.011	0.00081	ng/g
PCB 65 (BZ)	0.17	B C44	0.011	0.0010	ng/g
PCB 66 (BZ)	0.45	B	0.011	0.00083	ng/g
PCB 67 (BZ)	0.0056	J	0.011	0.00083	ng/g
PCB 68 (BZ)	0.0026	Q J	0.011	0.00080	ng/g
PCB 69 (BZ)	ND		0.011	0.00090	ng/g
PCB 70 (BZ)	0.60	B C	0.022	0.00081	ng/g
PCB 71 (BZ)	0.025	C40	0.011	0.0011	ng/g
PCB 72 (BZ)	0.0052	J	0.011	0.00085	ng/g

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0054	Q C43 J	0.011	0.0011	ng/g
PCB 74 (BZ)	0.60	B C70	0.022	0.00081	ng/g
PCB 75 (BZ)	0.015	B Q C59	0.011	0.00082	ng/g
PCB 76 (BZ)	0.60	B C70	0.022	0.00081	ng/g
PCB 77 (BZ)	0.017		0.011	0.00089	ng/g
PCB 78 (BZ)	ND		0.011	0.00090	ng/g
PCB 79 (BZ)	0.0021	Q J	0.011	0.00078	ng/g
PCB 80 (BZ)	ND		0.011	0.00075	ng/g
PCB 81 (BZ)	0.0011	Q J	0.011	0.00081	ng/g
PCB 82 (BZ)	0.015	Q	0.011	0.0021	ng/g
PCB 83 (BZ)	1.3	C	0.011	0.0016	ng/g
PCB 84 (BZ)	0.023	Q	0.011	0.0019	ng/g
PCB 85 (BZ)	ND		0.011	0.0013	ng/g
PCB 86 (BZ)	0.43	B C	0.011	0.0013	ng/g
PCB 87 (BZ)	0.43	B C86	0.011	0.0013	ng/g
PCB 88 (BZ)	ND		0.011	0.0018	ng/g
PCB 89 (BZ)	ND		0.011	0.0018	ng/g
PCB 90 (BZ)	1.1	B C	0.011	0.0013	ng/g
PCB 91 (BZ)	0.034		0.011	0.0015	ng/g
PCB 92 (BZ)	0.23		0.011	0.0017	ng/g
PCB 93 (BZ)	0.0030	Q J	0.011	0.0018	ng/g
PCB 94 (BZ)	ND		0.011	0.0018	ng/g
PCB 95 (BZ)	0.24	B C	0.011	0.0015	ng/g
PCB 96 (BZ)	ND		0.011	0.0013	ng/g
PCB 97 (BZ)	0.43	B C86	0.011	0.0013	ng/g
PCB 98 (BZ)	ND		0.011	0.0016	ng/g
PCB 99 (BZ)	1.3	C83	0.011	0.0016	ng/g
PCB 100 (BZ)	0.24	B C95	0.011	0.0015	ng/g
PCB 101 (BZ)	1.1	B C90	0.011	0.0013	ng/g
PCB 102 (BZ)	ND		0.011	0.0016	ng/g
PCB 103 (BZ)	ND		0.011	0.0015	ng/g
PCB 104 (BZ)	ND		0.011	0.0011	ng/g
PCB 105 (BZ)	0.77		0.011	0.0011	ng/g
PCB 106 (BZ)	ND		0.011	0.0012	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.16		0.011	0.0012	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.035	C	0.011	0.0011	ng/g

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.43	B C86	0.011	0.0013	ng/g
PCB 110 (BZ)	ND		0.011	0.0011	ng/g
PCB 111 (BZ)	0.0021	Q J	0.011	0.0011	ng/g
PCB 112 (BZ)	ND		0.011	0.0012	ng/g
PCB 113 (BZ)	1.1	B C90	0.011	0.0013	ng/g
PCB 114 (BZ)	0.056		0.011	0.0011	ng/g
PCB 115 (BZ)	ND		0.011	0.0011	ng/g
PCB 116 (BZ)	ND		0.011	0.0013	ng/g
PCB 117 (BZ)	ND		0.011	0.0013	ng/g
PCB 118 (BZ)	2.4	B	0.011	0.0011	ng/g
PCB 119 (BZ)	0.43	B C86	0.011	0.0013	ng/g
PCB 120 (BZ)	0.0088	J	0.011	0.0011	ng/g
PCB 121 (BZ)	ND		0.011	0.0012	ng/g
PCB 122 (BZ)	ND		0.011	0.0012	ng/g
PCB 123 (BZ)	0.025		0.011	0.0011	ng/g
PCB 124 (BZ)	0.035	C108	0.011	0.0011	ng/g
PCB 125 (BZ)	0.43	B C86	0.011	0.0013	ng/g
PCB 126 (BZ)	0.0058	J	0.011	0.0013	ng/g
PCB 127 (BZ)	0.0040	Q J	0.011	0.0011	ng/g
PCB 128 (BZ)	0.67		0.011	0.0029	ng/g
PCB 129 (BZ)	3.9	B C	0.011	0.0025	ng/g
PCB 130 (BZ)	0.098		0.011	0.0032	ng/g
PCB 131 (BZ)	0.0054	Q J	0.011	0.0032	ng/g
PCB 132 (BZ)	0.075		0.011	0.0032	ng/g
PCB 133 (BZ)	0.053		0.011	0.0029	ng/g
PCB 134 (BZ)	0.024	C	0.011	0.0032	ng/g
PCB 135 (BZ)	0.27	Q C	0.011	0.0019	ng/g
PCB 136 (BZ)	0.043		0.011	0.0015	ng/g
PCB 137 (BZ)	0.13		0.011	0.0027	ng/g
PCB 138 (BZ)	3.9	B C129	0.011	0.0025	ng/g
PCB 139 (BZ)	0.057	C	0.011	0.0026	ng/g
PCB 140 (BZ)	0.057	C139	0.011	0.0026	ng/g
PCB 141 (BZ)	0.24		0.011	0.0030	ng/g
PCB 142 (BZ)	ND		0.011	0.0031	ng/g
PCB 143 (BZ)	0.024	C134	0.011	0.0032	ng/g
PCB 144 (BZ)	0.025		0.011	0.0019	ng/g

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.011	0.0014	ng/g
PCB 146 (BZ)	0.52		0.011	0.0026	ng/g
PCB 147 (BZ)	0.20	B C	0.011	0.0026	ng/g
PCB 148 (BZ)	ND		0.011	0.0020	ng/g
PCB 149 (BZ)	0.20	B C147	0.011	0.0026	ng/g
PCB 150 (BZ)	ND		0.011	0.0014	ng/g
PCB 151 (BZ)	0.27	Q C135	0.011	0.0019	ng/g
PCB 152 (BZ)	ND		0.011	0.0014	ng/g
PCB 153 (BZ)	3.7	B C	0.011	0.0021	ng/g
PCB 154 (BZ)	0.27	Q C135	0.011	0.0019	ng/g
PCB 155 (BZ)	ND		0.011	0.0013	ng/g
PCB 156 (BZ)	0.30	C	0.011	0.0025	ng/g
PCB 157 (BZ)	0.30	C156	0.011	0.0025	ng/g
PCB 158 (BZ)	0.31		0.011	0.0019	ng/g
PCB 159 (BZ)	0.0031	Q J	0.011	0.0021	ng/g
PCB 160 (BZ)	3.9	B C129	0.011	0.0025	ng/g
PCB 161 (BZ)	ND		0.011	0.0021	ng/g
PCB 162 (BZ)	0.017		0.011	0.0021	ng/g
PCB 163 (BZ)	3.9	B C129	0.011	0.0025	ng/g
PCB 164 (BZ)	0.080		0.011	0.0022	ng/g
PCB 165 (BZ)	ND		0.011	0.0023	ng/g
PCB 166 (BZ)	0.026		0.011	0.0021	ng/g
PCB 167 (BZ)	0.083		0.011	0.0014	ng/g
PCB 168 (BZ)	3.7	B C153	0.011	0.0021	ng/g
PCB 169 (BZ)	0.0031	Q J	0.011	0.0017	ng/g
PCB 170 (BZ)	0.40		0.011	0.0033	ng/g
PCB 171 (BZ)	0.14	C	0.011	0.0021	ng/g
PCB 172 (BZ)	0.070		0.011	0.0021	ng/g
PCB 173 (BZ)	0.14	C171	0.011	0.0021	ng/g
PCB 174 (BZ)	0.030	Q	0.011	0.0019	ng/g
PCB 175 (BZ)	0.0081	J	0.011	0.0019	ng/g
PCB 176 (BZ)	0.0025	Q J	0.011	0.0014	ng/g
PCB 177 (BZ)	0.079		0.011	0.0020	ng/g
PCB 178 (BZ)	0.11		0.011	0.0019	ng/g
PCB 179 (BZ)	0.054		0.011	0.0014	ng/g
PCB 180 (BZ)	0.74	C	0.011	0.0015	ng/g

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0055	J	0.011	0.0018	ng/g
PCB 182 (BZ)	ND		0.011	0.0018	ng/g
PCB 183 (BZ)	0.28		0.011	0.0018	ng/g
PCB 184 (BZ)	ND		0.011	0.0015	ng/g
PCB 185 (BZ)	0.022		0.011	0.0019	ng/g
PCB 186 (BZ)	ND		0.011	0.0014	ng/g
PCB 187 (BZ)	0.60		0.011	0.0017	ng/g
PCB 188 (BZ)	ND		0.011	0.0011	ng/g
PCB 189 (BZ)	0.014		0.011	0.0017	ng/g
PCB 190 (BZ)	0.10		0.011	0.0014	ng/g
PCB 191 (BZ)	0.016	Q	0.011	0.0014	ng/g
PCB 192 (BZ)	ND		0.011	0.0015	ng/g
PCB 193 (BZ)	0.74	C180	0.011	0.0015	ng/g
PCB 194 (BZ)	0.13		0.011	0.0018	ng/g
PCB 195 (BZ)	0.074		0.011	0.0020	ng/g
PCB 196 (BZ)	0.047		0.011	0.0014	ng/g
PCB 197 (BZ)	0.0041	Q J	0.011	0.00096	ng/g
PCB 198 (BZ)	0.10	C	0.011	0.0013	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.10	C198	0.011	0.0013	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.011	0.00099	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0056	Q J	0.011	0.00094	ng/g
PCB 202 (BZ)	0.052		0.011	0.0010	ng/g
PCB 203 (BZ)	0.11		0.011	0.0012	ng/g
PCB 204 (BZ)	ND		0.011	0.00099	ng/g
PCB 205 (BZ)	0.0083	J	0.011	0.0014	ng/g
PCB 206 (BZ)	0.055		0.011	0.0011	ng/g
PCB 207 (BZ)	0.0029	Q J	0.011	0.00079	ng/g
PCB 208 (BZ)	0.0086	Q J	0.011	0.00085	ng/g
PCB 209 (BZ)	0.010	Q J	0.011	0.0012	ng/g

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H71180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	47		30 - 140
13C12-PCB 3	44		30 - 140
13C12-PCB 4	62		30 - 140
13C12-PCB 15	63		30 - 140
13C12-PCB 19	67		30 - 140
13C12-PCB 37	74		30 - 140
13C12-PCB 54	76		30 - 140
13C12-PCB 77	74		30 - 140
13C12-PCB 81	74		30 - 140
13C12-PCB 104	73		30 - 140
13C12-PCB 105	74		30 - 140
13C12-PCB 114	73		30 - 140
13C12-PCB 118	77		30 - 140
13C12-PCB 123	74		30 - 140
13C12-PCB 126	70		30 - 140
13C12-PCB 155	82		30 - 140
13C12-PCB 156	70	C	30 - 140
13C12-PCB 157	70	C	30 - 140
13C12-PCB 167	65		30 - 140
13C12-PCB 169	52		30 - 140
13C12-PCB 170	72		30 - 140
13C12-PCB 188	104		30 - 140
13C12-PCB 189	85		30 - 140
13C12-PCB 202	106		30 - 140
13C12-PCB 205	82		30 - 140
13C12-PCB 206	93		30 - 140
13C12-PCB 208	101		30 - 140
13C12-PCB 209	114		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	74	40 - 125
13C12-PCB 111	81	40 - 125
13C12-PCB 178	99	40 - 125

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	**Work Order #....:**	J64JQ1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0019	B J	0.011	0.00035	ng/g
PCB 2 (BZ)	ND		0.011	0.00042	ng/g
PCB 3 (BZ)	ND		0.011	0.00046	ng/g
PCB 4 (BZ)	0.0040	Q B J	0.022	0.0018	ng/g
PCB 5 (BZ)	ND		0.011	0.0014	ng/g
PCB 6 (BZ)	0.0028	Q B J	0.011	0.0013	ng/g
PCB 7 (BZ)	0.0012	Q B J	0.011	0.0013	ng/g
PCB 8 (BZ)	0.0096	Q B J	0.022	0.0013	ng/g
PCB 9 (BZ)	ND		0.011	0.0013	ng/g
PCB 10 (BZ)	0.00075	Q B J	0.011	0.0014	ng/g
PCB 11 (BZ)	0.0049	Q B J	0.022	0.0013	ng/g
PCB 12 (BZ)	ND		0.011	0.0013	ng/g
PCB 13 (BZ)	ND		0.011	0.0013	ng/g
PCB 14 (BZ)	ND		0.011	0.0011	ng/g
PCB 15 (BZ)	0.0030	Q B J	0.011	0.0014	ng/g
PCB 16 (BZ)	0.0085	Q J	0.011	0.0011	ng/g
PCB 17 (BZ)	0.019	B	0.011	0.00097	ng/g
PCB 18 (BZ)	0.043	B	0.022	0.0010	ng/g
PCB 19 (BZ)	ND		0.011	0.0011	ng/g
PCB 20 (BZ)	0.12	B C	0.022	0.00067	ng/g
PCB 21 (BZ)	0.020	B C	0.011	0.00065	ng/g
PCB 22 (BZ)	0.019	B	0.011	0.00068	ng/g
PCB 23 (BZ)	ND		0.011	0.00069	ng/g
PCB 24 (BZ)	0.0011	J	0.011	0.00072	ng/g
PCB 25 (BZ)	0.0041	B J	0.011	0.00061	ng/g
PCB 26 (BZ)	0.012	B C	0.011	0.00066	ng/g
PCB 27 (BZ)	0.0025	Q J	0.011	0.00066	ng/g
PCB 28 (BZ)	0.12	B C20	0.022	0.00067	ng/g
PCB 29 (BZ)	0.012	B C26	0.011	0.00066	ng/g
PCB 30 (BZ)	ND		0.022	0.00068	ng/g
PCB 31 (BZ)	0.057	B	0.022	0.00064	ng/g
PCB 32 (BZ)	0.0064	J	0.011	0.00065	ng/g
PCB 33 (BZ)	0.020	B C21	0.011	0.00065	ng/g
PCB 34 (BZ)	ND		0.011	0.00068	ng/g
PCB 35 (BZ)	ND		0.011	0.00069	ng/g
PCB 36 (BZ)	ND		0.011	0.00064	ng/g

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	**Work Order #....:**	J64JQ1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0048	J	0.011	0.00068	ng/g
PCB 38 (BZ)	ND		0.011	0.00067	ng/g
PCB 39 (BZ)	0.00082	Q J	0.011	0.00062	ng/g
PCB 40 (BZ)	0.022	C	0.011	0.00098	ng/g
PCB 41 (BZ)	0.0064	J	0.011	0.0013	ng/g
PCB 42 (BZ)	0.028		0.011	0.0011	ng/g
PCB 43 (BZ)	0.0063	Q C J	0.011	0.00098	ng/g
PCB 44 (BZ)	0.16	B C	0.011	0.00092	ng/g
PCB 45 (BZ)	0.0055	Q B C J	0.011	0.0011	ng/g
PCB 46 (BZ)	ND		0.011	0.0013	ng/g
PCB 47 (BZ)	0.16	B C44	0.011	0.00092	ng/g
PCB 48 (BZ)	0.026		0.011	0.0011	ng/g
PCB 49 (BZ)	0.18	B	0.011	0.00093	ng/g
PCB 50 (BZ)	0.0032	Q C J	0.011	0.0010	ng/g
PCB 51 (BZ)	0.0055	Q B C45 J	0.011	0.0011	ng/g
PCB 52 (BZ)	0.36	B	0.011	0.0010	ng/g
PCB 53 (BZ)	0.0032	Q C50 J	0.011	0.0010	ng/g
PCB 54 (BZ)	ND		0.011	0.0010	ng/g
PCB 55 (BZ)	0.014		0.011	0.00081	ng/g
PCB 56 (BZ)	0.027		0.011	0.00076	ng/g
PCB 57 (BZ)	0.0022	J	0.011	0.00079	ng/g
PCB 58 (BZ)	ND		0.011	0.00075	ng/g
PCB 59 (BZ)	0.013	Q B C	0.011	0.00072	ng/g
PCB 60 (BZ)	0.098		0.011	0.00079	ng/g
PCB 61 (BZ)	ND		0.022	0.00079	ng/g
PCB 62 (BZ)	0.013	Q B C59	0.011	0.00072	ng/g
PCB 63 (BZ)	0.021		0.011	0.00070	ng/g
PCB 64 (BZ)	0.082		0.011	0.00072	ng/g
PCB 65 (BZ)	0.16	B C44	0.011	0.00092	ng/g
PCB 66 (BZ)	0.44	B	0.011	0.00073	ng/g
PCB 67 (BZ)	0.0040	Q J	0.011	0.00073	ng/g
PCB 68 (BZ)	0.0036	J	0.011	0.00071	ng/g
PCB 69 (BZ)	ND		0.011	0.00080	ng/g
PCB 70 (BZ)	0.62	B C	0.022	0.00071	ng/g
PCB 71 (BZ)	0.022	C40	0.011	0.00098	ng/g
PCB 72 (BZ)	ND		0.011	0.00075	ng/g

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	Work Order #....:	J64JQ1AC	Matrix....:	BIOLOGICAL
Date Sampled....:	09/11/07	Date Received....:	09/18/07	Dilution Factor:	1
Prep Date....:	09/21/07	Analysis Date....:	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0063	Q C43 J	0.011	0.00098	ng/g
PCB 74 (BZ)	0.62	B C70	0.022	0.00071	ng/g
PCB 75 (BZ)	0.013	Q B C59	0.011	0.00072	ng/g
PCB 76 (BZ)	0.62	B C70	0.022	0.00071	ng/g
PCB 77 (BZ)	0.017	Q	0.011	0.00078	ng/g
PCB 78 (BZ)	ND		0.011	0.00079	ng/g
PCB 79 (BZ)	0.0031	J	0.011	0.00068	ng/g
PCB 80 (BZ)	ND		0.011	0.00066	ng/g
PCB 81 (BZ)	0.00094	Q J	0.011	0.00072	ng/g
PCB 82 (BZ)	0.019	Q	0.011	0.0020	ng/g
PCB 83 (BZ)	1.4	C	0.011	0.0015	ng/g
PCB 84 (BZ)	0.029		0.011	0.0017	ng/g
PCB 85 (BZ)	0.39	C	0.011	0.0012	ng/g
PCB 86 (BZ)	0.45	B C	0.011	0.0012	ng/g
PCB 87 (BZ)	0.45	B C86	0.011	0.0012	ng/g
PCB 88 (BZ)	ND		0.011	0.0016	ng/g
PCB 89 (BZ)	ND		0.011	0.0017	ng/g
PCB 90 (BZ)	1.1	B C	0.011	0.0012	ng/g
PCB 91 (BZ)	0.036		0.011	0.0014	ng/g
PCB 92 (BZ)	0.23		0.011	0.0015	ng/g
PCB 93 (BZ)	ND		0.011	0.0017	ng/g
PCB 94 (BZ)	ND		0.011	0.0017	ng/g
PCB 95 (BZ)	0.24	B C	0.011	0.0014	ng/g
PCB 96 (BZ)	ND		0.011	0.0012	ng/g
PCB 97 (BZ)	0.45	B C86	0.011	0.0012	ng/g
PCB 98 (BZ)	0.0039	C J	0.011	0.0014	ng/g
PCB 99 (BZ)	1.4	C83	0.011	0.0015	ng/g
PCB 100 (BZ)	0.24	B C95	0.011	0.0014	ng/g
PCB 101 (BZ)	1.1	B C90	0.011	0.0012	ng/g
PCB 102 (BZ)	0.0039	C98 J	0.011	0.0014	ng/g
PCB 103 (BZ)	0.0043	J	0.011	0.0014	ng/g
PCB 104 (BZ)	ND		0.011	0.0010	ng/g
PCB 105 (BZ)	0.78		0.011	0.00096	ng/g
PCB 106 (BZ)	ND		0.011	0.0011	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.16		0.011	0.0011	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.034	C	0.011	0.0010	ng/g

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	Work Order #....:	J64JQ1AC	Matrix....:	BIOLOGICAL
Date Sampled....:	09/11/07	Date Received....:	09/18/07	Dilution Factor:	1
Prep Date....:	09/21/07	Analysis Date....:	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.45	B C86	0.011	0.0012	ng/g
PCB 110 (BZ)	0.81	B C	0.011	0.0010	ng/g
PCB 111 (BZ)	ND		0.011	0.0011	ng/g
PCB 112 (BZ)	ND		0.011	0.0011	ng/g
PCB 113 (BZ)	1.1	B C90	0.011	0.0012	ng/g
PCB 114 (BZ)	0.058		0.011	0.00095	ng/g
PCB 115 (BZ)	0.81	B C110	0.011	0.0010	ng/g
PCB 116 (BZ)	0.39	C85	0.011	0.0012	ng/g
PCB 117 (BZ)	0.39	C85	0.011	0.0012	ng/g
PCB 118 (BZ)	2.4	B	0.011	0.00096	ng/g
PCB 119 (BZ)	0.45	B C86	0.011	0.0012	ng/g
PCB 120 (BZ)	0.0095	Q J	0.011	0.0010	ng/g
PCB 121 (BZ)	ND		0.011	0.0011	ng/g
PCB 122 (BZ)	ND		0.011	0.0011	ng/g
PCB 123 (BZ)	0.028		0.011	0.00094	ng/g
PCB 124 (BZ)	0.034	C108	0.011	0.0010	ng/g
PCB 125 (BZ)	0.45	B C86	0.011	0.0012	ng/g
PCB 126 (BZ)	0.0098	J	0.011	0.0011	ng/g
PCB 127 (BZ)	0.0040	J	0.011	0.0010	ng/g
PCB 128 (BZ)	0.64		0.011	0.0025	ng/g
PCB 129 (BZ)	3.6	B C	0.011	0.0021	ng/g
PCB 130 (BZ)	0.095		0.011	0.0027	ng/g
PCB 131 (BZ)	0.0040	Q J	0.011	0.0027	ng/g
PCB 132 (BZ)	0.072		0.011	0.0027	ng/g
PCB 133 (BZ)	0.047		0.011	0.0025	ng/g
PCB 134 (BZ)	0.022	C	0.011	0.0027	ng/g
PCB 135 (BZ)	0.30	C	0.011	0.0017	ng/g
PCB 136 (BZ)	0.045		0.011	0.0014	ng/g
PCB 137 (BZ)	0.12		0.011	0.0023	ng/g
PCB 138 (BZ)	3.6	B C129	0.011	0.0021	ng/g
PCB 139 (BZ)	0.050	C	0.011	0.0022	ng/g
PCB 140 (BZ)	0.050	C139	0.011	0.0022	ng/g
PCB 141 (BZ)	0.22		0.011	0.0025	ng/g
PCB 142 (BZ)	ND		0.011	0.0026	ng/g
PCB 143 (BZ)	0.022	C134	0.011	0.0027	ng/g
PCB 144 (BZ)	0.025		0.011	0.0017	ng/g

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	**Work Order #....:**	J64JQ1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.011	0.0013	ng/g
PCB 146 (BZ)	0.47		0.011	0.0022	ng/g
PCB 147 (BZ)	0.18	B C	0.011	0.0022	ng/g
PCB 148 (BZ)	ND		0.011	0.0018	ng/g
PCB 149 (BZ)	0.18	B C147	0.011	0.0022	ng/g
PCB 150 (BZ)	ND		0.011	0.0013	ng/g
PCB 151 (BZ)	0.30	C135	0.011	0.0017	ng/g
PCB 152 (BZ)	ND		0.011	0.0013	ng/g
PCB 153 (BZ)	3.4	B C	0.011	0.0018	ng/g
PCB 154 (BZ)	0.30	C135	0.011	0.0017	ng/g
PCB 155 (BZ)	ND		0.011	0.0012	ng/g
PCB 156 (BZ)	0.28	C	0.011	0.0021	ng/g
PCB 157 (BZ)	0.28	C156	0.011	0.0021	ng/g
PCB 158 (BZ)	0.28		0.011	0.0016	ng/g
PCB 159 (BZ)	0.0028	Q J	0.011	0.0018	ng/g
PCB 160 (BZ)	3.6	B C129	0.011	0.0021	ng/g
PCB 161 (BZ)	ND		0.011	0.0017	ng/g
PCB 162 (BZ)	0.011	Q	0.011	0.0018	ng/g
PCB 163 (BZ)	3.6	B C129	0.011	0.0021	ng/g
PCB 164 (BZ)	0.075		0.011	0.0018	ng/g
PCB 165 (BZ)	ND		0.011	0.0019	ng/g
PCB 166 (BZ)	0.022	Q	0.011	0.0017	ng/g
PCB 167 (BZ)	0.081		0.011	0.0012	ng/g
PCB 168 (BZ)	3.4	B C153	0.011	0.0018	ng/g
PCB 169 (BZ)	0.0027	Q J	0.011	0.0013	ng/g
PCB 170 (BZ)	0.38		0.011	0.0018	ng/g
PCB 171 (BZ)	0.13	C	0.011	0.0016	ng/g
PCB 172 (BZ)	0.060		0.011	0.0016	ng/g
PCB 173 (BZ)	0.13	C171	0.011	0.0016	ng/g
PCB 174 (BZ)	0.029	Q	0.011	0.0014	ng/g
PCB 175 (BZ)	0.0082	J	0.011	0.0014	ng/g
PCB 176 (BZ)	0.0032	J	0.011	0.0011	ng/g
PCB 177 (BZ)	0.070		0.011	0.0015	ng/g
PCB 178 (BZ)	0.10		0.011	0.0015	ng/g
PCB 179 (BZ)	0.045		0.011	0.0011	ng/g
PCB 180 (BZ)	0.76	C	0.011	0.0012	ng/g

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Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	**Work Order #....:**	J64JQ1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0056	J	0.011	0.0014	ng/g
PCB 182 (BZ)	ND		0.011	0.0014	ng/g
PCB 183 (BZ)	0.24		0.011	0.0014	ng/g
PCB 184 (BZ)	ND		0.011	0.0011	ng/g
PCB 185 (BZ)	0.019	Q	0.011	0.0014	ng/g
PCB 186 (BZ)	ND		0.011	0.0011	ng/g
PCB 187 (BZ)	0.52		0.011	0.0013	ng/g
PCB 188 (BZ)	ND		0.011	0.00096	ng/g
PCB 189 (BZ)	0.012		0.011	0.0012	ng/g
PCB 190 (BZ)	0.11		0.011	0.0011	ng/g
PCB 191 (BZ)	0.021		0.011	0.0011	ng/g
PCB 192 (BZ)	ND		0.011	0.0012	ng/g
PCB 193 (BZ)	0.76	C180	0.011	0.0012	ng/g
PCB 194 (BZ)	0.13		0.011	0.0015	ng/g
PCB 195 (BZ)	0.067		0.011	0.0016	ng/g
PCB 196 (BZ)	0.049		0.011	0.0011	ng/g
PCB 197 (BZ)	0.0056	Q J	0.011	0.00081	ng/g
PCB 198 (BZ)	0.12	C	0.011	0.0011	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.12	C198	0.011	0.0011	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.011	0.00084	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0059	Q J	0.011	0.00079	ng/g
PCB 202 (BZ)	0.047		0.011	0.00087	ng/g
PCB 203 (BZ)	0.12		0.011	0.0010	ng/g
PCB 204 (BZ)	ND		0.011	0.00083	ng/g
PCB 205 (BZ)	0.010	J	0.011	0.0012	ng/g
PCB 206 (BZ)	0.056		0.011	0.0013	ng/g
PCB 207 (BZ)	0.0045	Q J	0.011	0.00078	ng/g
PCB 208 (BZ)	0.011	J	0.011	0.00075	ng/g
PCB 209 (BZ)	0.0099	J	0.011	0.00081	ng/g

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	**Work Order #....:**	J64JQ1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	51		30 - 140
13C12-PCB 3	43		30 - 140
13C12-PCB 4	71		30 - 140
13C12-PCB 15	77		30 - 140
13C12-PCB 19	78		30 - 140
13C12-PCB 37	84		30 - 140
13C12-PCB 54	84		30 - 140
13C12-PCB 77	87		30 - 140
13C12-PCB 81	86		30 - 140
13C12-PCB 104	83		30 - 140
13C12-PCB 105	86		30 - 140
13C12-PCB 114	84		30 - 140
13C12-PCB 118	89		30 - 140
13C12-PCB 123	85		30 - 140
13C12-PCB 126	82		30 - 140
13C12-PCB 155	97		30 - 140
13C12-PCB 156	88	C	30 - 140
13C12-PCB 157	88	C	30 - 140
13C12-PCB 167	79		30 - 140
13C12-PCB 169	72		30 - 140
13C12-PCB 170	91		30 - 140
13C12-PCB 188	99		30 - 140
13C12-PCB 189	95		30 - 140
13C12-PCB 202	106		30 - 140
13C12-PCB 205	92		30 - 140
13C12-PCB 206	99		30 - 140
13C12-PCB 208	117		30 - 140
13C12-PCB 209	132		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	84	40 - 125
13C12-PCB 111	94	40 - 125
13C12-PCB 178	96	40 - 125

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	**Work Order #....:**	J64JQ1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H71180256 - 002	**Work Order #....:**	J64JX1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/12/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	**0.0013**	**Q B J**	**0.010**	**0.00045**	**ng/g**
PCB 2 (BZ)	ND		0.010	0.00050	ng/g
PCB 3 (BZ)	ND		0.010	0.00051	ng/g
PCB 4 (BZ)	**0.0043**	**Q B J**	**0.020**	**0.0016**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.0014	ng/g
PCB 6 (BZ)	**0.0026**	**Q B J**	**0.010**	**0.0013**	**ng/g**
PCB 7 (BZ)	ND		0.010	0.0013	ng/g
PCB 8 (BZ)	**0.0083**	**Q B J**	**0.020**	**0.0013**	**ng/g**
PCB 9 (BZ)	ND		0.010	0.0013	ng/g
PCB 10 (BZ)	**0.0011**	**Q B J**	**0.010**	**0.0014**	**ng/g**
PCB 11 (BZ)	**0.0053**	**Q B J**	**0.020**	**0.0013**	**ng/g**
PCB 12 (BZ)	**0.0017**	**Q B C J**	**0.010**	**0.0013**	**ng/g**
PCB 13 (BZ)	**0.0017**	**Q B C12 J**	**0.010**	**0.0013**	**ng/g**
PCB 14 (BZ)	ND		0.010	0.0011	ng/g
PCB 15 (BZ)	**0.0033**	**Q B J**	**0.010**	**0.0014**	**ng/g**
PCB 16 (BZ)	**0.011**	**Q**	**0.010**	**0.0014**	**ng/g**
PCB 17 (BZ)	**0.014**	**Q B**	**0.010**	**0.0013**	**ng/g**
PCB 18 (BZ)	**0.039**	**B**	**0.020**	**0.0013**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.0014	ng/g
PCB 20 (BZ)	**0.096**	**B C**	**0.020**	**0.00084**	**ng/g**
PCB 21 (BZ)	**0.019**	**B C**	**0.010**	**0.00081**	**ng/g**
PCB 22 (BZ)	**0.028**	**B**	**0.010**	**0.00085**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00086	ng/g
PCB 24 (BZ)	**0.0011**	**Q J**	**0.010**	**0.00093**	**ng/g**
PCB 25 (BZ)	**0.0045**	**B J**	**0.010**	**0.00076**	**ng/g**
PCB 26 (BZ)	**0.012**	**B C**	**0.010**	**0.00082**	**ng/g**
PCB 27 (BZ)	**0.0025**	**Q J**	**0.010**	**0.00085**	**ng/g**
PCB 28 (BZ)	**0.096**	**B C20**	**0.020**	**0.00084**	**ng/g**
PCB 29 (BZ)	**0.012**	**B C26**	**0.010**	**0.00082**	**ng/g**
PCB 30 (BZ)	ND		0.020	0.00089	ng/g
PCB 31 (BZ)	**0.11**	**B**	**0.020**	**0.00081**	**ng/g**
PCB 32 (BZ)	**0.0067**	**J**	**0.010**	**0.00085**	**ng/g**
PCB 33 (BZ)	**0.019**	**B C21**	**0.010**	**0.00081**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00085	ng/g
PCB 35 (BZ)	ND		0.010	0.00087	ng/g
PCB 36 (BZ)	ND		0.010	0.00081	ng/g

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H71180256 - 002	**Work Order #....:**	J64JX1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/12/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0059	J	0.010	0.00085	ng/g
PCB 38 (BZ)	ND		0.010	0.00083	ng/g
PCB 39 (BZ)	ND		0.010	0.00078	ng/g
PCB 40 (BZ)	0.035	Q C	0.010	0.0013	ng/g
PCB 41 (BZ)	0.0049	Q J	0.010	0.0017	ng/g
PCB 42 (BZ)	0.035		0.010	0.0014	ng/g
PCB 43 (BZ)	0.0055	Q C J	0.010	0.0012	ng/g
PCB 44 (BZ)	0.15	B C	0.010	0.0012	ng/g
PCB 45 (BZ)	0.0083	B C J	0.010	0.0014	ng/g
PCB 46 (BZ)	0.0017	Q J	0.010	0.0017	ng/g
PCB 47 (BZ)	0.15	B C44	0.010	0.0012	ng/g
PCB 48 (BZ)	0.029		0.010	0.0013	ng/g
PCB 49 (BZ)	0.22	B	0.010	0.0012	ng/g
PCB 50 (BZ)	0.0051	Q C J	0.010	0.0013	ng/g
PCB 51 (BZ)	0.0083	B C45 J	0.010	0.0014	ng/g
PCB 52 (BZ)	0.50	B	0.010	0.0013	ng/g
PCB 53 (BZ)	0.0051	Q C50 J	0.010	0.0013	ng/g
PCB 54 (BZ)	ND		0.010	0.0012	ng/g
PCB 55 (BZ)	0.018		0.010	0.0010	ng/g
PCB 56 (BZ)	0.091		0.010	0.00097	ng/g
PCB 57 (BZ)	0.0017	J	0.010	0.0010	ng/g
PCB 58 (BZ)	0.0068	J	0.010	0.00095	ng/g
PCB 59 (BZ)	0.016	B C	0.010	0.00092	ng/g
PCB 60 (BZ)	0.26		0.010	0.0010	ng/g
PCB 61 (BZ)	ND		0.020	0.0010	ng/g
PCB 62 (BZ)	0.016	B C59	0.010	0.00092	ng/g
PCB 63 (BZ)	0.058		0.010	0.00089	ng/g
PCB 64 (BZ)	0.27		0.010	0.00091	ng/g
PCB 65 (BZ)	0.15	B C44	0.010	0.0012	ng/g
PCB 66 (BZ)	1.5	B	0.010	0.00093	ng/g
PCB 67 (BZ)	0.0047	Q J	0.010	0.00093	ng/g
PCB 68 (BZ)	0.0037	J	0.010	0.00090	ng/g
PCB 69 (BZ)	ND		0.010	0.0010	ng/g
PCB 70 (BZ)	1.3	B C	0.020	0.00091	ng/g
PCB 71 (BZ)	0.035	Q C40	0.010	0.0013	ng/g
PCB 72 (BZ)	0.0095	J	0.010	0.00095	ng/g

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H71180256 - 002	**Work Order #....:**	J64JX1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/12/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0055	Q C43 J	0.010	0.0012	ng/g
PCB 74 (BZ)	1.3	B C70	0.020	0.00091	ng/g
PCB 75 (BZ)	0.016	B C59	0.010	0.00092	ng/g
PCB 76 (BZ)	1.3	B C70	0.020	0.00091	ng/g
PCB 77 (BZ)	0.017	Q	0.010	0.00099	ng/g
PCB 78 (BZ)	ND		0.010	0.0010	ng/g
PCB 79 (BZ)	ND		0.010	0.00087	ng/g
PCB 80 (BZ)	ND		0.010	0.00084	ng/g
PCB 81 (BZ)	ND		0.010	0.00091	ng/g
PCB 82 (BZ)	0.020	Q	0.010	0.0023	ng/g
PCB 83 (BZ)	0.85	C	0.010	0.0018	ng/g
PCB 84 (BZ)	0.032		0.010	0.0020	ng/g
PCB 85 (BZ)	0.42	C	0.010	0.0014	ng/g
PCB 86 (BZ)	0.51	B C	0.010	0.0014	ng/g
PCB 87 (BZ)	0.51	B C86	0.010	0.0014	ng/g
PCB 88 (BZ)	ND		0.010	0.0019	ng/g
PCB 89 (BZ)	ND		0.010	0.0019	ng/g
PCB 90 (BZ)	1.0	B C	0.010	0.0014	ng/g
PCB 91 (BZ)	0.038		0.010	0.0016	ng/g
PCB 92 (BZ)	0.28		0.010	0.0018	ng/g
PCB 93 (BZ)	ND		0.010	0.0020	ng/g
PCB 94 (BZ)	ND		0.010	0.0020	ng/g
PCB 95 (BZ)	0.20	B C	0.010	0.0016	ng/g
PCB 96 (BZ)	ND		0.010	0.0014	ng/g
PCB 97 (BZ)	0.51	B C86	0.010	0.0014	ng/g
PCB 98 (BZ)	0.0038	Q C J	0.010	0.0017	ng/g
PCB 99 (BZ)	0.85	C83	0.010	0.0018	ng/g
PCB 100 (BZ)	0.20	B C95	0.010	0.0016	ng/g
PCB 101 (BZ)	1.0	B C90	0.010	0.0014	ng/g
PCB 102 (BZ)	0.0038	Q C98 J	0.010	0.0017	ng/g
PCB 103 (BZ)	0.0035	J	0.010	0.0016	ng/g
PCB 104 (BZ)	ND		0.010	0.0012	ng/g
PCB 105 (BZ)	1.1		0.010	0.0012	ng/g
PCB 106 (BZ)	ND		0.010	0.0013	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.19		0.010	0.0013	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.049	C	0.010	0.0012	ng/g

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 002	**Work Order #....:**	J64JX1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/12/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.51	B C86	0.010	0.0014	ng/g
PCB 110 (BZ)	1.2	B C	0.010	0.0012	ng/g
PCB 111 (BZ)	0.0020	Q J	0.010	0.0012	ng/g
PCB 112 (BZ)	ND		0.010	0.0013	ng/g
PCB 113 (BZ)	1.0	B C90	0.010	0.0014	ng/g
PCB 114 (BZ)	0.060		0.010	0.0011	ng/g
PCB 115 (BZ)	1.2	B C110	0.010	0.0012	ng/g
PCB 116 (BZ)	0.42	C85	0.010	0.0014	ng/g
PCB 117 (BZ)	0.42	C85	0.010	0.0014	ng/g
PCB 118 (BZ)	2.7	B	0.010	0.0012	ng/g
PCB 119 (BZ)	0.51	B C86	0.010	0.0014	ng/g
PCB 120 (BZ)	0.010		0.010	0.0012	ng/g
PCB 121 (BZ)	ND		0.010	0.0013	ng/g
PCB 122 (BZ)	0.0078	Q J	0.010	0.0013	ng/g
PCB 123 (BZ)	0.043	Q	0.010	0.0012	ng/g
PCB 124 (BZ)	0.049	C108	0.010	0.0012	ng/g
PCB 125 (BZ)	0.51	B C86	0.010	0.0014	ng/g
PCB 126 (BZ)	0.017	Q	0.010	0.0014	ng/g
PCB 127 (BZ)	0.0031	Q J	0.010	0.0012	ng/g
PCB 128 (BZ)	0.53		0.010	0.0026	ng/g
PCB 129 (BZ)	3.0	B C	0.010	0.0021	ng/g
PCB 130 (BZ)	0.079		0.010	0.0028	ng/g
PCB 131 (BZ)	0.0052	J	0.010	0.0028	ng/g
PCB 132 (BZ)	0.070		0.010	0.0028	ng/g
PCB 133 (BZ)	0.045		0.010	0.0026	ng/g
PCB 134 (BZ)	0.013	Q C	0.010	0.0028	ng/g
PCB 135 (BZ)	0.24	C	0.010	0.0017	ng/g
PCB 136 (BZ)	0.035		0.010	0.0014	ng/g
PCB 137 (BZ)	0.099		0.010	0.0024	ng/g
PCB 138 (BZ)	3.0	B C129	0.010	0.0021	ng/g
PCB 139 (BZ)	0.030	C	0.010	0.0023	ng/g
PCB 140 (BZ)	0.030	C139	0.010	0.0023	ng/g
PCB 141 (BZ)	0.22		0.010	0.0026	ng/g
PCB 142 (BZ)	ND		0.010	0.0027	ng/g
PCB 143 (BZ)	0.013	Q C134	0.010	0.0028	ng/g
PCB 144 (BZ)	0.026		0.010	0.0018	ng/g

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H71180256 - 002	**Work Order #....:**	J64JX1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/12/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.010	0.0013	ng/g
PCB 146 (BZ)	**0.36**		**0.010**	**0.0023**	**ng/g**
PCB 147 (BZ)	**0.16**	**B C**	**0.010**	**0.0023**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.0018	ng/g
PCB 149 (BZ)	**0.16**	**B C147**	**0.010**	**0.0023**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.0013	ng/g
PCB 151 (BZ)	**0.24**	**C135**	**0.010**	**0.0017**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0013	ng/g
PCB 153 (BZ)	**2.5**	**B C**	**0.010**	**0.0018**	**ng/g**
PCB 154 (BZ)	**0.24**	**C135**	**0.010**	**0.0017**	**ng/g**
PCB 155 (BZ)	ND		0.010	0.0012	ng/g
PCB 156 (BZ)	**0.18**	**C**	**0.010**	**0.0023**	**ng/g**
PCB 157 (BZ)	**0.18**	**C156**	**0.010**	**0.0023**	**ng/g**
PCB 158 (BZ)	**0.21**		**0.010**	**0.0017**	**ng/g**
PCB 159 (BZ)	ND		0.010	0.0018	ng/g
PCB 160 (BZ)	**3.0**	**B C129**	**0.010**	**0.0021**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0018	ng/g
PCB 162 (BZ)	**0.011**	**Q**	**0.010**	**0.0018**	**ng/g**
PCB 163 (BZ)	**3.0**	**B C129**	**0.010**	**0.0021**	**ng/g**
PCB 164 (BZ)	**0.085**		**0.010**	**0.0019**	**ng/g**
PCB 165 (BZ)	ND		0.010	0.0020	ng/g
PCB 166 (BZ)	**0.013**	**Q**	**0.010**	**0.0018**	**ng/g**
PCB 167 (BZ)	**0.069**		**0.010**	**0.0012**	**ng/g**
PCB 168 (BZ)	**2.5**	**B C153**	**0.010**	**0.0018**	**ng/g**
PCB 169 (BZ)	ND		0.010	0.0014	ng/g
PCB 170 (BZ)	**0.19**		**0.010**	**0.0027**	**ng/g**
PCB 171 (BZ)	**0.082**	**C**	**0.010**	**0.0018**	**ng/g**
PCB 172 (BZ)	**0.034**		**0.010**	**0.0017**	**ng/g**
PCB 173 (BZ)	**0.082**	**C171**	**0.010**	**0.0018**	**ng/g**
PCB 174 (BZ)	**0.028**		**0.010**	**0.0016**	**ng/g**
PCB 175 (BZ)	**0.0039**	**Q J**	**0.010**	**0.0016**	**ng/g**
PCB 176 (BZ)	ND		0.010	0.0012	ng/g
PCB 177 (BZ)	**0.045**	**Q**	**0.010**	**0.0017**	**ng/g**
PCB 178 (BZ)	**0.066**		**0.010**	**0.0016**	**ng/g**
PCB 179 (BZ)	**0.028**		**0.010**	**0.0012**	**ng/g**
PCB 180 (BZ)	**0.38**	**C**	**0.010**	**0.0013**	**ng/g**

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 002	**Work Order #....:**	J64JX1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/12/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	**0.0038**	**J**	**0.010**	**0.0015**	**ng/g**
PCB 182 (BZ)	ND		0.010	0.0015	ng/g
PCB 183 (BZ)	**0.15**		**0.010**	**0.0015**	**ng/g**
PCB 184 (BZ)	ND		0.010	0.0012	ng/g
PCB 185 (BZ)	**0.017**		**0.010**	**0.0016**	**ng/g**
PCB 186 (BZ)	ND		0.010	0.0012	ng/g
PCB 187 (BZ)	**0.27**		**0.010**	**0.0015**	**ng/g**
PCB 188 (BZ)	ND		0.010	0.00092	ng/g
PCB 189 (BZ)	**0.0079**	**Q J**	**0.010**	**0.0015**	**ng/g**
PCB 190 (BZ)	**0.062**		**0.010**	**0.0012**	**ng/g**
PCB 191 (BZ)	**0.0098**	**Q J**	**0.010**	**0.0012**	**ng/g**
PCB 192 (BZ)	ND		0.010	0.0013	ng/g
PCB 193 (BZ)	**0.38**	**C180**	**0.010**	**0.0013**	**ng/g**
PCB 194 (BZ)	**0.061**	**Q**	**0.010**	**0.0016**	**ng/g**
PCB 195 (BZ)	**0.035**		**0.010**	**0.0017**	**ng/g**
PCB 196 (BZ)	**0.020**		**0.010**	**0.0011**	**ng/g**
PCB 197 (BZ)	**0.0027**	**J**	**0.010**	**0.00081**	**ng/g**
PCB 198 (BZ)	**0.048**	**C**	**0.010**	**0.0011**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.048**	**C198**	**0.010**	**0.0011**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00083	ng/g
PCB 200 (BZ)/201 (IUPAC)	**0.0031**	**Q J**	**0.010**	**0.00079**	**ng/g**
PCB 202 (BZ)	**0.022**		**0.010**	**0.00087**	**ng/g**
PCB 203 (BZ)	**0.049**		**0.010**	**0.0010**	**ng/g**
PCB 204 (BZ)	ND		0.010	0.00083	ng/g
PCB 205 (BZ)	**0.0046**	**J**	**0.010**	**0.0013**	**ng/g**
PCB 206 (BZ)	**0.023**		**0.010**	**0.0012**	**ng/g**
PCB 207 (BZ)	ND		0.010	0.00093	ng/g
PCB 208 (BZ)	**0.0039**	**Q J**	**0.010**	**0.0010**	**ng/g**
PCB 209 (BZ)	**0.0046**	**J**	**0.010**	**0.0014**	**ng/g**

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H71180256 - 002	**Work Order #....:**	J64JX1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/12/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	52		30 - 140
13C12-PCB 3	49		30 - 140
13C12-PCB 4	66		30 - 140
13C12-PCB 15	64		30 - 140
13C12-PCB 19	67		30 - 140
13C12-PCB 37	72		30 - 140
13C12-PCB 54	74		30 - 140
13C12-PCB 77	73		30 - 140
13C12-PCB 81	73		30 - 140
13C12-PCB 104	71		30 - 140
13C12-PCB 105	72		30 - 140
13C12-PCB 114	71		30 - 140
13C12-PCB 118	75		30 - 140
13C12-PCB 123	72		30 - 140
13C12-PCB 126	70		30 - 140
13C12-PCB 155	81		30 - 140
13C12-PCB 156	74	C	30 - 140
13C12-PCB 157	74	C	30 - 140
13C12-PCB 167	70		30 - 140
13C12-PCB 169	54		30 - 140
13C12-PCB 170	73		30 - 140
13C12-PCB 188	99		30 - 140
13C12-PCB 189	84		30 - 140
13C12-PCB 202	106		30 - 140
13C12-PCB 205	83		30 - 140
13C12-PCB 206	93		30 - 140
13C12-PCB 208	94		30 - 140
13C12-PCB 209	113		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	72	40 - 125
13C12-PCB 111	80	40 - 125
13C12-PCB 178	95	40 - 125

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 002	**Work Order #....:**	J64JX1AA	**Matrix.....:**	BIOLOGICAL
Date Sampled....:	09/12/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....:	H71210000 - 161B	**Work Order #....:**	J7C1T1AA	**Matrix....:**	BIOLOGICAL
Dilution Factor:	1				
Prep Date....:	09/21/07	**Analysis Date....:**	09/27/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0028	Q J	0.010	0.00027	ng/g
PCB 2 (BZ)	0.0021	Q J	0.010	0.00030	ng/g
PCB 3 (BZ)	ND		0.010	0.00029	ng/g
PCB 4 (BZ)	0.0032	Q J	0.020	0.0016	ng/g
PCB 5 (BZ)	0.0012	Q J	0.010	0.0013	ng/g
PCB 6 (BZ)	0.0020	Q J	0.010	0.0012	ng/g
PCB 7 (BZ)	0.0020	Q J	0.010	0.0012	ng/g
PCB 8 (BZ)	0.0036	Q J	0.020	0.0012	ng/g
PCB 9 (BZ)	0.0018	Q J	0.010	0.0012	ng/g
PCB 10 (BZ)	0.0026	Q J	0.010	0.0013	ng/g
PCB 11 (BZ)	0.0031	Q J	0.020	0.0012	ng/g
PCB 12 (BZ)	0.0026	Q C J	0.010	0.0012	ng/g
PCB 13 (BZ)	0.0026	Q C12 J	0.010	0.0012	ng/g
PCB 14 (BZ)	0.0020	Q J	0.010	0.0010	ng/g
PCB 15 (BZ)	0.0017	Q J	0.010	0.0013	ng/g
PCB 16 (BZ)	ND		0.010	0.00090	ng/g
PCB 17 (BZ)	0.0020	J	0.010	0.00078	ng/g
PCB 18 (BZ)	0.0042	Q J	0.020	0.00082	ng/g
PCB 19 (BZ)	ND		0.010	0.00088	ng/g
PCB 20 (BZ)	0.0024	C J	0.020	0.00041	ng/g
PCB 21 (BZ)	0.0021	C J	0.010	0.00040	ng/g
PCB 22 (BZ)	0.00095	Q J	0.010	0.00042	ng/g
PCB 23 (BZ)	0.00089	J	0.010	0.00042	ng/g
PCB 24 (BZ)	ND		0.010	0.00058	ng/g
PCB 25 (BZ)	0.00055	Q J	0.010	0.00037	ng/g
PCB 26 (BZ)	0.00080	Q C J	0.010	0.00040	ng/g
PCB 27 (BZ)	ND		0.010	0.00053	ng/g
PCB 28 (BZ)	0.0024	C20 J	0.020	0.00041	ng/g
PCB 29 (BZ)	0.00080	Q C26 J	0.010	0.00040	ng/g
PCB 30 (BZ)	ND		0.020	0.00055	ng/g
PCB 31 (BZ)	0.0024	J	0.020	0.00040	ng/g
PCB 32 (BZ)	ND		0.010	0.00053	ng/g
PCB 33 (BZ)	0.0021	C21 J	0.010	0.00040	ng/g
PCB 34 (BZ)	0.00057	Q J	0.010	0.00042	ng/g
PCB 35 (BZ)	ND		0.010	0.00043	ng/g
PCB 36 (BZ)	ND		0.010	0.00040	ng/g

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....: H7I210000 - 161B **Work Order #....:** J7C1T1AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 09/21/07 **Analysis Date....:** 09/27/07
Prep Batch # ....: 7264161
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Daniel (Dan) C. Gobich

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	ND		0.010	0.00042	ng/g
PCB 38 (BZ)	ND		0.010	0.00041	ng/g
PCB 39 (BZ)	ND		0.010	0.00038	ng/g
PCB 40 (BZ)	ND		0.010	0.00043	ng/g
PCB 41 (BZ)	ND		0.010	0.00057	ng/g
PCB 42 (BZ)	ND		0.010	0.00048	ng/g
PCB 43 (BZ)	ND		0.010	0.00043	ng/g
PCB 44 (BZ)	**0.0031**	**Q C J**	**0.010**	**0.00040**	**ng/g**
PCB 45 (BZ)	**0.0011**	**Q C J**	**0.010**	**0.00048**	**ng/g**
PCB 46 (BZ)	ND		0.010	0.00058	ng/g
PCB 47 (BZ)	**0.0031**	**Q C44 J**	**0.010**	**0.00040**	**ng/g**
PCB 48 (BZ)	ND		0.010	0.00046	ng/g
PCB 49 (BZ)	**0.0011**	**Q J**	**0.010**	**0.00041**	**ng/g**
PCB 50 (BZ)	ND		0.010	0.00044	ng/g
PCB 51 (BZ)	**0.0011**	**Q C45 J**	**0.010**	**0.00048**	**ng/g**
PCB 52 (BZ)	**0.0021**	**J**	**0.010**	**0.00044**	**ng/g**
PCB 53 (BZ)	ND		0.010	0.00044	ng/g
PCB 54 (BZ)	ND		0.010	0.00060	ng/g
PCB 55 (BZ)	ND		0.010	0.00035	ng/g
PCB 56 (BZ)	ND		0.010	0.00033	ng/g
PCB 57 (BZ)	ND		0.010	0.00034	ng/g
PCB 58 (BZ)	ND		0.010	0.00033	ng/g
PCB 59 (BZ)	**0.00078**	**Q C J**	**0.010**	**0.00032**	**ng/g**
PCB 60 (BZ)	ND		0.010	0.00035	ng/g
PCB 61 (BZ)	ND		0.020	0.00035	ng/g
PCB 62 (BZ)	**0.00078**	**Q C59 J**	**0.010**	**0.00032**	**ng/g**
PCB 63 (BZ)	ND		0.010	0.00031	ng/g
PCB 64 (BZ)	ND		0.010	0.00031	ng/g
PCB 65 (BZ)	**0.0031**	**Q C44 J**	**0.010**	**0.00040**	**ng/g**
PCB 66 (BZ)	**0.0014**	**J**	**0.010**	**0.00032**	**ng/g**
PCB 67 (BZ)	ND		0.010	0.00032	ng/g
PCB 68 (BZ)	ND		0.010	0.00031	ng/g
PCB 69 (BZ)	ND		0.010	0.00035	ng/g
PCB 70 (BZ)	**0.0024**	**Q C J**	**0.020**	**0.00031**	**ng/g**
PCB 71 (BZ)	ND		0.010	0.00043	ng/g
PCB 72 (BZ)	ND		0.010	0.00033	ng/g

Method Blank Report

Trace Level Organic Compounds

Lot – Sample #....:	H7I210000 - 161B	**Work Order #....:**	J7C1T1AA	**Matrix....:**	BIOLOGICAL
Dilution Factor:	1				
Prep Date....:	09/21/07	**Analysis Date....:**	09/27/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.010	0.00043	ng/g
PCB 74 (BZ)	**0.0024**	**Q C70 J**	**0.020**	**0.00031**	**ng/g**
PCB 75 (BZ)	**0.00078**	**Q C59 J**	**0.010**	**0.00032**	**ng/g**
PCB 76 (BZ)	**0.0024**	**Q C70 J**	**0.020**	**0.00031**	**ng/g**
PCB 77 (BZ)	ND		0.010	0.00033	ng/g
PCB 78 (BZ)	ND		0.010	0.00035	ng/g
PCB 79 (BZ)	ND		0.010	0.00030	ng/g
PCB 80 (BZ)	ND		0.010	0.00029	ng/g
PCB 81 (BZ)	ND		0.010	0.00032	ng/g
PCB 82 (BZ)	ND		0.010	0.00068	ng/g
PCB 83 (BZ)	ND		0.010	0.00053	ng/g
PCB 84 (BZ)	ND		0.010	0.00061	ng/g
PCB 85 (BZ)	ND		0.010	0.00042	ng/g
PCB 86 (BZ)	**0.0011**	**Q C J**	**0.010**	**0.00043**	**ng/g**
PCB 87 (BZ)	**0.0011**	**Q C86 J**	**0.010**	**0.00043**	**ng/g**
PCB 88 (BZ)	ND		0.010	0.00057	ng/g
PCB 89 (BZ)	ND		0.010	0.00058	ng/g
PCB 90 (BZ)	**0.0021**	**Q C J**	**0.010**	**0.00042**	**ng/g**
PCB 91 (BZ)	ND		0.010	0.00048	ng/g
PCB 92 (BZ)	ND		0.010	0.00054	ng/g
PCB 93 (BZ)	ND		0.010	0.00059	ng/g
PCB 94 (BZ)	ND		0.010	0.00059	ng/g
PCB 95 (BZ)	**0.0014**	**Q C J**	**0.010**	**0.00048**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.00041	ng/g
PCB 97 (BZ)	**0.0011**	**Q C86 J**	**0.010**	**0.00043**	**ng/g**
PCB 98 (BZ)	ND		0.010	0.00050	ng/g
PCB 99 (BZ)	ND		0.010	0.00053	ng/g
PCB 100 (BZ)	**0.0014**	**Q C95 J**	**0.010**	**0.00048**	**ng/g**
PCB 101 (BZ)	**0.0021**	**Q C90 J**	**0.010**	**0.00042**	**ng/g**
PCB 102 (BZ)	ND		0.010	0.00050	ng/g
PCB 103 (BZ)	ND		0.010	0.00048	ng/g
PCB 104 (BZ)	ND		0.010	0.00036	ng/g
PCB 105 (BZ)	ND		0.010	0.00028	ng/g
PCB 106 (BZ)	ND		0.010	0.00032	ng/g
PCB 107 (BZ)/109 (IUPAC)	ND		0.010	0.00031	ng/g
PCB 108 (BZ)/107 (IUPAC)	ND		0.010	0.00029	ng/g

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....:	H7I210000 - 161B	**Work Order #....:**	J7C1T1AA	**Matrix....:**	BIOLOGICAL
Dilution Factor:	1				
Prep Date....:	09/21/07	**Analysis Date....:**	09/27/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.0011**	**Q C86 J**	**0.010**	**0.00043**	**ng/g**
PCB 110 (BZ)	**0.0024**	**C J**	**0.010**	**0.00036**	**ng/g**
PCB 111 (BZ)	ND		0.010	0.00037	ng/g
PCB 112 (BZ)	ND		0.010	0.00038	ng/g
PCB 113 (BZ)	**0.0021**	**Q C90 J**	**0.010**	**0.00042**	**ng/g**
PCB 114 (BZ)	ND		0.010	0.00027	ng/g
PCB 115 (BZ)	**0.0024**	**C110 J**	**0.010**	**0.00036**	**ng/g**
PCB 116 (BZ)	ND		0.010	0.00042	ng/g
PCB 117 (BZ)	ND		0.010	0.00042	ng/g
PCB 118 (BZ)	**0.0014**	**J**	**0.010**	**0.00029**	**ng/g**
PCB 119 (BZ)	**0.0011**	**Q C86 J**	**0.010**	**0.00043**	**ng/g**
PCB 120 (BZ)	ND		0.010	0.00035	ng/g
PCB 121 (BZ)	ND		0.010	0.00037	ng/g
PCB 122 (BZ)	ND		0.010	0.00031	ng/g
PCB 123 (BZ)	ND		0.010	0.00030	ng/g
PCB 124 (BZ)	ND		0.010	0.00029	ng/g
PCB 125 (BZ)	**0.0011**	**Q C86 J**	**0.010**	**0.00043**	**ng/g**
PCB 126 (BZ)	ND		0.010	0.00031	ng/g
PCB 127 (BZ)	ND		0.010	0.00029	ng/g
PCB 128 (BZ)	ND		0.010	0.00064	ng/g
PCB 129 (BZ)	**0.0020**	**C J**	**0.010**	**0.00053**	**ng/g**
PCB 130 (BZ)	ND		0.010	0.00069	ng/g
PCB 131 (BZ)	ND		0.010	0.00069	ng/g
PCB 132 (BZ)	ND		0.010	0.00069	ng/g
PCB 133 (BZ)	ND		0.010	0.00064	ng/g
PCB 134 (BZ)	ND		0.010	0.00069	ng/g
PCB 135 (BZ)	ND		0.010	0.00050	ng/g
PCB 136 (BZ)	ND		0.010	0.00041	ng/g
PCB 137 (BZ)	ND		0.010	0.00059	ng/g
PCB 138 (BZ)	**0.0020**	**C129 J**	**0.010**	**0.00053**	**ng/g**
PCB 139 (BZ)	ND		0.010	0.00057	ng/g
PCB 140 (BZ)	ND		0.010	0.00057	ng/g
PCB 141 (BZ)	ND		0.010	0.00065	ng/g
PCB 142 (BZ)	ND		0.010	0.00067	ng/g
PCB 143 (BZ)	ND		0.010	0.00069	ng/g
PCB 144 (BZ)	ND		0.010	0.00052	ng/g

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....:	H7I210000 - 161B	**Work Order #....:**	J7C1T1AA	**Matrix....:**	BIOLOGICAL
Dilution Factor:	1				
Prep Date....:	09/21/07	**Analysis Date....:**	09/27/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.010	0.00038	ng/g
PCB 146 (BZ)	ND		0.010	0.00056	ng/g
PCB 147 (BZ)	**0.0014**	**C J**	**0.010**	**0.00057**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.00052	ng/g
PCB 149 (BZ)	**0.0014**	**C147 J**	**0.010**	**0.00057**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.00038	ng/g
PCB 151 (BZ)	ND		0.010	0.00050	ng/g
PCB 152 (BZ)	ND		0.010	0.00038	ng/g
PCB 153 (BZ)	**0.0016**	**Q C J**	**0.010**	**0.00046**	**ng/g**
PCB 154 (BZ)	ND		0.010	0.00050	ng/g
PCB 155 (BZ)	ND		0.010	0.00035	ng/g
PCB 156 (BZ)	ND		0.010	0.00058	ng/g
PCB 157 (BZ)	ND		0.010	0.00058	ng/g
PCB 158 (BZ)	ND		0.010	0.00041	ng/g
PCB 159 (BZ)	ND		0.010	0.00045	ng/g
PCB 160 (BZ)	**0.0020**	**C129 J**	**0.010**	**0.00053**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.00045	ng/g
PCB 162 (BZ)	ND		0.010	0.00045	ng/g
PCB 163 (BZ)	**0.0020**	**C129 J**	**0.010**	**0.00053**	**ng/g**
PCB 164 (BZ)	ND		0.010	0.00048	ng/g
PCB 165 (BZ)	ND		0.010	0.00049	ng/g
PCB 166 (BZ)	ND		0.010	0.00045	ng/g
PCB 167 (BZ)	ND		0.010	0.00030	ng/g
PCB 168 (BZ)	**0.0016**	**Q C153 J**	**0.010**	**0.00046**	**ng/g**
PCB 169 (BZ)	ND		0.010	0.00034	ng/g
PCB 170 (BZ)	ND		0.010	0.00043	ng/g
PCB 171 (BZ)	ND		0.010	0.00043	ng/g
PCB 172 (BZ)	ND		0.010	0.00043	ng/g
PCB 173 (BZ)	ND		0.010	0.00043	ng/g
PCB 174 (BZ)	ND		0.010	0.00039	ng/g
PCB 175 (BZ)	ND		0.010	0.00039	ng/g
PCB 176 (BZ)	ND		0.010	0.00029	ng/g
PCB 177 (BZ)	ND		0.010	0.00041	ng/g
PCB 178 (BZ)	ND		0.010	0.00041	ng/g
PCB 179 (BZ)	ND		0.010	0.00030	ng/g
PCB 180 (BZ)	ND		0.010	0.00032	ng/g

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....: H7I210000 - 161B **Work Order #....:** J7C1T1AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 09/21/07 **Analysis Date....:** 09/27/07
Prep Batch # ....: 7264161
Initial Wgt/Vol : 10 g **Instrument ID....:** M1D **Method:** EPA-22 1668A
Analyst ID....: Daniel (Dan) C. Gobich

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND	0.010	0.00037	ng/g
PCB 182 (BZ)	ND	0.010	0.00037	ng/g
PCB 183 (BZ)	ND	0.010	0.00038	ng/g
PCB 184 (BZ)	ND	0.010	0.00031	ng/g
PCB 185 (BZ)	ND	0.010	0.00039	ng/g
PCB 186 (BZ)	ND	0.010	0.00030	ng/g
PCB 187 (BZ)	ND	0.010	0.00036	ng/g
PCB 188 (BZ)	ND	0.010	0.00028	ng/g
PCB 189 (BZ)	ND	0.010	0.00026	ng/g
PCB 190 (BZ)	ND	0.010	0.00029	ng/g
PCB 191 (BZ)	ND	0.010	0.00029	ng/g
PCB 192 (BZ)	ND	0.010	0.00031	ng/g
PCB 193 (BZ)	ND	0.010	0.00032	ng/g
PCB 194 (BZ)	ND	0.010	0.00029	ng/g
PCB 195 (BZ)	ND	0.010	0.00032	ng/g
PCB 196 (BZ)	ND	0.010	0.00034	ng/g
PCB 197 (BZ)	ND	0.010	0.00024	ng/g
PCB 198 (BZ)	ND	0.010	0.00033	ng/g
PCB 201 (BZ)/199 (IUPAC)	ND	0.010	0.00033	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND	0.010	0.00024	ng/g
PCB 200 (BZ)/201 (IUPAC)	ND	0.010	0.00023	ng/g
PCB 202 (BZ)	ND	0.010	0.00025	ng/g
PCB 203 (BZ)	ND	0.010	0.00029	ng/g
PCB 204 (BZ)	ND	0.010	0.00024	ng/g
PCB 205 (BZ)	ND	0.010	0.00023	ng/g
PCB 206 (BZ)	ND	0.010	0.00035	ng/g
PCB 207 (BZ)	ND	0.010	0.00025	ng/g
PCB 208 (BZ)	ND	0.010	0.00025	ng/g
PCB 209 (BZ)	ND	0.010	0.00025	ng/g

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....:	H7I210000 - 161B	**Work Order #....:**	J7C1T1AA	**Matrix....:**	BIOLOGICAL
Dilution Factor:	1				
Prep Date....:	09/21/07	**Analysis Date....:**	09/27/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	55		30 - 140
13C12-PCB 3	55		30 - 140
13C12-PCB 4	66		30 - 140
13C12-PCB 15	72		30 - 140
13C12-PCB 19	74		30 - 140
13C12-PCB 37	88		30 - 140
13C12-PCB 54	75		30 - 140
13C12-PCB 77	95		30 - 140
13C12-PCB 81	91		30 - 140
13C12-PCB 104	83		30 - 140
13C12-PCB 105	91		30 - 140
13C12-PCB 114	88		30 - 140
13C12-PCB 118	90		30 - 140
13C12-PCB 123	87		30 - 140
13C12-PCB 126	87		30 - 140
13C12-PCB 155	98		30 - 140
13C12-PCB 156	95	C	30 - 140
13C12-PCB 157	95	C	30 - 140
13C12-PCB 167	94		30 - 140
13C12-PCB 169	80		30 - 140
13C12-PCB 170	101		30 - 140
13C12-PCB 188	95		30 - 140
13C12-PCB 189	97		30 - 140
13C12-PCB 202	100		30 - 140
13C12-PCB 205	96		30 - 140
13C12-PCB 206	104		30 - 140
13C12-PCB 208	115		30 - 140
13C12-PCB 209	114		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	80	40 - 125
13C12-PCB 111	97	40 - 125
13C12-PCB 178	89	40 - 125

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....:	H7I210000 - 161B	**Work Order #....:**	J7C1T1AA	**Matrix....:**	BIOLOGICAL
Dilution Factor:	1				
Prep Date....:	09/21/07	**Analysis Date....:**	09/27/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	J00132	**Work Order # ...:**	J7C1T1AC-LCS	**Matrix .....:**	BIOLOGICA
LCS Lot-Sample# :	H7I210000 - 161				
Prep Date .....:	09/21/07	**Analysis Date ..:**	09/28/07		
Prep Batch # ...:	7264161				
Dilution Factor :	1				
Analyst ID.....:	Patricia(Trish) M. Parsl	**Instrument ID..:**	M1D	**Method.....:**	EPA-22 1668A
Initial Wgt/Vol:	10 g				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY		RECOVERY LIMITS
PCB 1 (BZ)	0.50	0.43	ng/g	87	B	(50 - 150)
PCB 3 (BZ)	0.50	0.40	ng/g	79		(50 - 150)
PCB 4 (BZ)	0.50	0.44	ng/g	88	B	(50 - 150)
PCB 15 (BZ)	0.50	0.41	ng/g	82	B	(50 - 150)
PCB 19 (BZ)	0.50	0.50	ng/g	100		(50 - 150)
PCB 37 (BZ)	0.50	0.44	ng/g	89		(50 - 150)
PCB 77 (BZ)	0.50	0.46	ng/g	93		(50 - 150)
PCB 81 (BZ)	0.50	0.45	ng/g	89		(50 - 150)
PCB 104 (BZ)	0.50	0.46	ng/g	92		(50 - 150)
PCB 105 (BZ)	0.50	0.45	ng/g	90		(50 - 150)
PCB 114 (BZ)	0.50	0.49	ng/g	97		(50 - 150)
PCB 118 (BZ)	0.50	0.46	ng/g	92	B	(50 - 150)
PCB 123 (BZ)	0.50	0.48	ng/g	95		(50 - 150)
PCB 126 (BZ)	0.50	0.46	ng/g	91		(50 - 150)
PCB 155 (BZ)	0.50	0.45	ng/g	90		(50 - 150)
PCB 156 (BZ)	1.0	0.88	ng/g	88	C	(50 - 150)
PCB 157 (BZ)	1.0	0.88	ng/g	88	C C156	(50 - 150)
PCB 167 (BZ)	0.50	0.44	ng/g	87		(50 - 150)
PCB 169 (BZ)	0.50	0.44	ng/g	88		(50 - 150)
PCB 188 (BZ)	0.50	0.44	ng/g	89		(50 - 150)
PCB 189 (BZ)	0.50	0.45	ng/g	91		(50 - 150)
PCB 202 (BZ)	0.50	0.44	ng/g	88		(50 - 150)
PCB 205 (BZ)	0.50	0.47	ng/g	93		(50 - 150)
PCB 206 (BZ)	0.50	0.44	ng/g	88		(50 - 150)
PCB 208 (BZ)	0.50	0.46	ng/g	91		(50 - 150)
PCB 209 (BZ)	0.50	0.47	ng/g	93		(50 - 150)

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	60	(30 - 140)
13C12-PCB 3	58	(30 - 140)
13C12-PCB 4	73	(30 - 140)
13C12-PCB 15	74	(30 - 140)
13C12-PCB 19	77	(30 - 140)
13C12-PCB 37	82	(30 - 140)
13C12-PCB 54	84	(30 - 140)
13C12-PCB 77	85	(30 - 140)
13C12-PCB 81	84	(30 - 140)
13C12-PCB 104	86	(30 - 140)
13C12-PCB 105	90	(30 - 140)
13C12-PCB 114	91	(30 - 140)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: J00132 **Work Order # ...:** J7C1T1AC-LCS **Matrix .....:** BIOLOGICA
LCS Lot-Sample# : H7I210000 - 161

INTERNAL STANDARD	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 118	95		(30 - 140)
13C12-PCB 123	92		(30 - 140)
13C12-PCB 126	87		(30 - 140)
13C12-PCB 155	100		(30 - 140)
13C12-PCB 156	93	C	(30 - 140)
13C12-PCB 157	93	C	(30 - 140)
13C12-PCB 167	94		(30 - 140)
13C12-PCB 169	76		(30 - 140)
13C12-PCB 170	97		(30 - 140)
13C12-PCB 188	94		(30 - 140)
13C12-PCB 189	89		(30 - 140)
13C12-PCB 202	107		(30 - 140)
13C12-PCB 205	95		(30 - 140)
13C12-PCB 206	108		(30 - 140)
13C12-PCB 208	112		(30 - 140)
13C12-PCB 209	123		(30 - 140)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	87	(40 - 125)
13C12-PCB 111	98	(40 - 125)
13C12-PCB 178	89	(40 - 125)

Notes:

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	J00132	**Work Order # ...:**	J64JX1AC-MS	**Matrix .....:**	BIOLOGICAL
OS Lot-Sample# :	H7I180256 - 002		J64JX1AD-MSD		
Prep Date .....:	09/21/07	**Analysis Date ..:**	09/28/07		
Prep Batch # ...:	7264161				
Dilution Factor :	1				
Analyst ID.....:	Daniel (Dan) C. Gobich	**Instrument ID..:**	M1D	**Method.....:**	EPA-22 1668A
Initial Wgt/Vol:	10 g				

PARAMETER	SAMPLE AMOUNT	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
PCB 1 (BZ)	0.0013	0.50	0.44	ng/g	87 B	(50 - 150)		
	0.0013	0.50	0.44	ng/g	88 B	(50 - 150)	1.9	(0 - 50)
PCB 3 (BZ)	ND	0.50	0.38	ng/g	76	(50 - 150)		
	ND	0.50	0.40	ng/g	79	(50 - 150)	3.9	(0 - 50)
PCB 4 (BZ)	0.0043	0.50	0.45	ng/g	88 B	(50 - 150)		
	0.0043	0.50	0.43	ng/g	85 B	(50 - 150)	3.6	(0 - 50)
PCB 15 (BZ)	0.0033	0.50	0.41	ng/g	80 B	(50 - 150)		
	0.0033	0.50	0.41	ng/g	81 B	(50 - 150)	0.70	(0 - 50)
PCB 19 (BZ)	ND	0.50	0.52	ng/g	103	(50 - 150)		
	ND	0.50	0.50	ng/g	100	(50 - 150)	3.1	(0 - 50)
PCB 37 (BZ)	0.0059	0.50	0.43	ng/g	85	(50 - 150)		
	0.0059	0.50	0.43	ng/g	85	(50 - 150)	0.17	(0 - 50)
PCB 77 (BZ)	0.017	0.50	0.48	ng/g	93	(50 - 150)		
	0.017	0.50	0.49	ng/g	94	(50 - 150)	0.45	(0 - 50)
PCB 81 (BZ)	ND	0.50	0.45	ng/g	90	(50 - 150)		
	ND	0.50	0.44	ng/g	88	(50 - 150)	2.1	(0 - 50)
PCB 104 (BZ)	ND	0.50	0.46	ng/g	92	(50 - 150)		
	ND	0.50	0.46	ng/g	91	(50 - 150)	0.94	(0 - 50)
PCB 105 (BZ)	1.1	0.50	1.9	ng/g	152 a	(50 - 150)		
	1.1	0.50	1.9	ng/g	154 a	(50 - 150)	0.40	(0 - 50)
PCB 114 (BZ)	0.060	0.50	0.52	ng/g	92	(50 - 150)		
	0.060	0.50	0.52	ng/g	93	(50 - 150)	1.2	(0 - 50)
PCB 118 (BZ)	2.7	0.50	3.8	ng/g	212 a B	(50 - 150)		
	2.7	0.50	3.7	ng/g	205 a B	(50 - 150)	0.92	(0 - 50)
PCB 123 (BZ)	0.043	0.50	0.50	ng/g	91	(50 - 150)		
	0.043	0.50	0.50	ng/g	91	(50 - 150)	0.19	(0 - 50)
PCB 126 (BZ)	0.017	0.50	0.45	ng/g	86	(50 - 150)		
	0.017	0.50	0.41	ng/g	79 Q	(50 - 150)	8.7	(0 - 50)
PCB 155 (BZ)	ND	0.50	0.47	ng/g	94	(50 - 150)		
	ND	0.50	0.45	ng/g	91	(50 - 150)	3.8	(0 - 50)
PCB 156 (BZ)	0.18	1.0	1.0	ng/g	87 C	(50 - 150)		
	0.18	1.0	1.1	ng/g	89 C	(50 - 150)	2.6	(0 - 50)
PCB 157 (BZ)	0.18	1.0	1.0	ng/g	87 C15 6	(50 - 150)		
	0.18	1.0	1.1	ng/g	89 C15 6	(50 - 150)	2.6	(0 - 50)
PCB 167 (BZ)	0.069	0.50	0.55	ng/g	96	(50 - 150)		
	0.069	0.50	0.52	ng/g	91	(50 - 150)	5.0	(0 - 50)
PCB 169 (BZ)	ND	0.50	0.43	ng/g	86	(50 - 150)		

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	J00132	**Work Order # ...:**	J64JX1AC-MS	**Matrix .....:**	BIOLOGICAL
OS Lot-Sample# :	H7I180256 - 002		J64JX1AD-MSD		
Prep Date .....:	09/21/07	**Analysis Date ..:**	09/28/07		
Prep Batch # ...:	7264161				
Dilution Factor :	1				
Analyst ID.....:	Daniel (Dan) C. Gobich	**Instrument ID..:**	M1D	**Method.....:**	EPA-22 1668A
Initial Wgt/Vol:	10 g				

PARAMETER	SAMPLE AMOUNT	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
	ND	0.50	0.44	ng/g	88	(50 - 150)	2.1	(0 - 50)
PCB 188 (BZ)	ND	0.50	0.45	ng/g	91	(50 - 150)		
	ND	0.50	0.46	ng/g	91	(50 - 150)	0.39	(0 - 50)
PCB 189 (BZ)	0.0079	0.50	0.44	ng/g	86	(50 - 150)		
	0.0079	0.50	0.46	ng/g	90	(50 - 150)	3.9	(0 - 50)
PCB 202 (BZ)	0.022	0.50	0.49	ng/g	93	(50 - 150)		
	0.022	0.50	0.47	ng/g	90	(50 - 150)	3.4	(0 - 50)
PCB 205 (BZ)	0.0046	0.50	0.49	ng/g	97	(50 - 150)		
	0.0046	0.50	0.49	ng/g	97	(50 - 150)	0.070	(0 - 50)
PCB 206 (BZ)	0.023	0.50	0.51	ng/g	97	(50 - 150)		
	0.023	0.50	0.49	ng/g	93	(50 - 150)	3.9	(0 - 50)
PCB 208 (BZ)	0.0039	0.50	0.48	ng/g	94	(50 - 150)		
	0.0039	0.50	0.47	ng/g	93	(50 - 150)	1.2	(0 - 50)
PCB 209 (BZ)	0.0046	0.50	0.48	ng/g	95	(50 - 150)		
	0.0046	0.50	0.50	ng/g	98	(50 - 150)	3.4	(0 - 50)

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	J00132	**Work Order # ...:**	J64JX1AC-MS	**Matrix .....:**	BIOLOGICAL
OS Lot-Sample# :	H7I180256 - 002		J64JX1AD-MSD		
Prep Date .....:	09/21/07	**Analysis Date ..:**	09/28/07		
Prep Batch # ...:	7264161				
Dilution Factor :	1				
Analyst ID.....:	Daniel (Dan) C. Gobich	**Instrument ID..:**	M1D	**Method.....:**	EPA-22 1668A
Initial Wgt/Vol:	10 g				

INTERNAL STANDARD	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	48		(30 - 140)
	51		(30 - 140)
13C12-PCB 3	45		(30 - 140)
	47		(30 - 140)
13C12-PCB 4	61		(30 - 140)
	66		(30 - 140)
13C12-PCB 15	64		(30 - 140)
	65		(30 - 140)
13C12-PCB 19	67		(30 - 140)
	71		(30 - 140)
13C12-PCB 37	72		(30 - 140)
	74		(30 - 140)
13C12-PCB 54	75		(30 - 140)
	74		(30 - 140)
13C12-PCB 77	70		(30 - 140)
	74		(30 - 140)
13C12-PCB 81	70		(30 - 140)
	74		(30 - 140)
13C12-PCB 104	72		(30 - 140)
	74		(30 - 140)
13C12-PCB 105	73		(30 - 140)
	75		(30 - 140)
13C12-PCB 114	71		(30 - 140)
	74		(30 - 140)
13C12-PCB 118	76		(30 - 140)
	80		(30 - 140)
13C12-PCB 123	72		(30 - 140)
	76		(30 - 140)
13C12-PCB 126	69		(30 - 140)
	71		(30 - 140)
13C12-PCB 155	81		(30 - 140)
	86		(30 - 140)
13C12-PCB 156	74	C	(30 - 140)
	75	C	(30 - 140)
13C12-PCB 157	74	C	(30 - 140)
	75	C	(30 - 140)
13C12-PCB 167	71		(30 - 140)
	72		(30 - 140)
13C12-PCB 169	56		(30 - 140)
	55		(30 - 140)

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	J00132	**Work Order # ...:**	J64JX1AC-MS	**Matrix .....:**	BIOLOGICAL
OS Lot-Sample# :	H71180256 - 002		J64JX1AD-MSD		
Prep Date .....:	09/21/07	**Analysis Date ..:**	09/28/07		
Prep Batch # ...:	7264161				
Dilution Factor :	1				
Analyst ID.....:	Daniel (Dan) C. Gobich	**Instrument ID..:**	M1D	**Method.....:**	EPA-22 1668A
Initial Wgt/Vol:	10 g				

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 170	68	(30 - 140)
	71	(30 - 140)
13C12-PCB 188	96	(30 - 140)
	102	(30 - 140)
13C12-PCB 189	87	(30 - 140)
	86	(30 - 140)
13C12-PCB 202	99	(30 - 140)
	108	(30 - 140)
13C12-PCB 205	83	(30 - 140)
	82	(30 - 140)
13C12-PCB 206	92	(30 - 140)
	97	(30 - 140)
13C12-PCB 208	96	(30 - 140)
	97	(30 - 140)
13C12-PCB 209	109	(30 - 140)
	114	(30 - 140)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	74	(40 - 125)
	75	(40 - 125)
13C12-PCB 111	79	(40 - 125)
	80	(40 - 125)
13C12-PCB 178	91	(40 - 125)
	96	(40 - 125)

Notes:

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

Q Estimated maximum possible concentration (EMPC).

Sample Receipt Documentation

H7I180256

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-097-3	Page 1 of 1

Collector B.TILLER JAMES BERNHARD	Company Contact JOAN KESSNER	Telephone No. 375-4688	Project Coordinator KESSNER, JH	Price Code 9C	Data Turnaround 15 Days
Project Designation 100 & 300 Area Component of the RCBRA Tissues - Resam	Sampling Location 11/9/07 100-F RCBRA ~~U3-U4 Ag~~, FISH ~~OFFAL~~ WHOLE ORG 1/22 9-11-07		SAF No. RC-097		
Ice Chest No. AFS-09-014	Field Logbook No. EL-1614-1	COA BESRAS6520	Method of Shipment FEDEX		
Shipped To TestAmerica Incorporated, ~~Richland~~ Knoxville 9/19/06	Offsite Property No. A070446		Bill of Lading/Air Bill No. See OSPC		

POSSIBLE SAMPLE HAZARDS/REMARKS

Special Handling and/or Storage

COOL 4C, "MATRIX COMPOSED OF FISH"

Preservation	Cool-4C	11/9/07 Cool-4C	Cool 4C								
Type of Container	uG	P/G	G/P								
No. of Container(s)	1	1	1								
Volume	20mls 9 11/29-11-07	10mls 5 1/22 9-11-07	5g								
SAMPLE ANALYSIS	1668 PCB CONGENER (TCL)	Total Inorganic Arsenic	Chromium Hex - 7196 DJ 9/19/06								
Sample No.	Matrix *	Sample Date	Sample Time								
J15J75	OTHER SOLID	9-11-07	1530	X	X						

CHAIN OF POSSESSION	Sign/Print Names	SPECIAL INSTRUCTIONS
Relinquished By/Removed From: JAMES BERNHARD — Date/Time 1545 9-11-07	Received By/Stored In: EAS LOCKED STORAGE — Date/Time 1545 9-11-07	CUSTODY SEALS INTACT RECEIVED AT 1°C SKD 9-18-07
Relinquished By/Removed From: EAS LOCKED STORAGE — Date/Time 0830 9-13-07	Received By/Stored In: KMSingleton — Date/Time 9-13-07 0830	
Relinquished By/Removed From: KMSingleton — Date/Time 9-17-07 1500	Received By/Stored In: FEDEX — Date/Time	
Relinquished By/Removed From: — Date/Time	Received By/Stored In: Bryan Vanaman — Date/Time 9-18-07 09:30	
Relinquished By/Removed From: Bryan Vanaman — Date/Time 9-18-07 13:00	Received By/Stored In: — Date/Time	
Relinquished By/Removed From: — Date/Time	Received By/Stored In: — Date/Time	

Matrix *
S=Soil
SE=Sediment
SO=Solid
SI=Sludge
W = Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
WI=Wipe
L=Liquid
V=Vegetation
X=Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

WCH-EE-011

MTI180256

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-097-10	Page 1 of 1

Collector B.TILLER JAMES BERNHARD	Company Contact JOAN KESSNER	Telephone No. 375-4688	Project Coordinator KESSNER, JH	Price Code 9C	Data Turnaround 15 Days
Project Designation 100 & 300 Area Component of the RCBRA Tissues - Resam	Sampling Location 9-11-07 RCBRA U3-U4 Aq, FISH-~~OFFAL~~ WHOLE CPG		SAF No. RC-097		
Ice Chest No. AFS-04-014	Field Logbook No. EL-1614-1	COA BESRAS6520	Method of Shipment FED EX		
Shipped To 9-17-07 TestAmerica Incorporated, ~~Richland~~ Knoxville	Offsite Property No. A070446		Bill of Lading/Air Bill No. See OSPC		

POSSIBLE SAMPLE HAZARDS/REMARKS

Special Handling and/or Storage
COOL 4C, "MATRIX COMPOSED OF FISH"

Preservation	Cool-4C										
Type of Container	8G										
No. of Container(s)	1										
Volume	20mls 9-11-07										
SAMPLE ANALYSIS	1668 PCB CONGENER (TCL)										

Sample No.	Matrix *	Sample Date	Sample Time										
J15J87	OTHER SOLID	9-12-07	900	X									

CHAIN OF POSSESSION	Date/Time	Sign/Print Names	Date/Time
Relinquished By/Removed From JAMES BERNHARD	0905 9-12-07	Received By/Stored In EAS LOCKED STORAGE	0905 9-12-07
Relinquished By/Removed From EAS LOCKED STORAGE	0830 9-13-07	Received By/Stored In KMSingleton	9-13-07 0830
Relinquished By/Removed From KMSingleton	9-17-07 1500	Received By/Stored In FED EX	
Relinquished By/Removed From		Received By/Stored In Duyam Dominion	9-18-07 09:30
Relinquished By/Removed From Duyam Dominion	9-18-07 13:00	Received By/Stored In	
Relinquished By/Removed From		Received By/Stored In	

SPECIAL INSTRUCTIONS

Matrix *
S=Soil
SE=Sediment
SO=Solid
St=Sludge
W = Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
Wi=Wipe
Li=Liquid
Ve=Vegetation
X=Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

WCH-EE-011

55

STL KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H7I18D256

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☐ 1e No label ☐ 1f COC not received ☐ 1g Other:	
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)	✓			☐ 2a Temp Blank = _____ ☐ 2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	✓			☐ 4a Not present ☐ 4b Not intact ☐ 4c Other:	
5. Were all of the samples listed on the COC received?	✓			☐ 5a Samples received-not on COC ☐ 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ 6a Leaking ☐ 6b Broken	
7. Were VOA samples received without headspace?			✓	☐ 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ 8a Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ 10a Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ 13a Leaking ☐ 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ 14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ 15a Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ 15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ 15a Incomplete information	
18. Is the client and project name/# identified?	✓			☐ 15a Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: 76922 PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 9/18/07

QA026R18.doc, 1/30/06

Trace Level Organics

Raw Sample Data
SPB-Octyl Column

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.011	0.00042	ng/g
PCB 2 (BZ)	ND		0.011	0.00050	ng/g
PCB 3 (BZ)	0.0017	Q J	0.011	0.00054	ng/g
PCB 4 (BZ)	0.0052	Q B J	0.022	0.0021	ng/g
PCB 5 (BZ)	ND		0.011	0.0017	ng/g
PCB 6 (BZ)	0.0028	Q B J	0.011	0.0016	ng/g
PCB 7 (BZ)	ND		0.011	0.0016	ng/g
PCB 8 (BZ)	0.0090	Q B J	0.022	0.0015	ng/g
PCB 9 (BZ)	ND		0.011	0.0016	ng/g
PCB 10 (BZ)	ND		0.011	0.0017	ng/g
PCB 11 (BZ)	0.0068	Q B J	0.022	0.0016	ng/g
PCB 12 (BZ)	0.0013	Q B C J	0.011	0.0016	ng/g
PCB 13 (BZ)	0.0013	Q B C12 J	0.011	0.0016	ng/g
PCB 14 (BZ)	0.00087	Q B J	0.011	0.0013	ng/g
PCB 15 (BZ)	0.0032	Q B J	0.011	0.0017	ng/g
PCB 16 (BZ)	0.010	Q J	0.011	0.0013	ng/g
PCB 17 (BZ)	0.017	B	0.011	0.0011	ng/g
PCB 18 (BZ)	0.045	B	0.022	0.0012	ng/g
PCB 19 (BZ)	ND		0.011	0.0013	ng/g
PCB 20 (BZ)	0.12	B C	0.022	0.00083	ng/g
PCB 21 (BZ)	0.023	B C	0.011	0.00081	ng/g
PCB 22 (BZ)	0.018	Q B	0.011	0.00085	ng/g
PCB 23 (BZ)	ND		0.011	0.00086	ng/g
PCB 24 (BZ)	0.0011	Q J	0.011	0.00084	ng/g
PCB 25 (BZ)	0.0036	Q B J	0.011	0.00076	ng/g
PCB 26 (BZ)	0.013	B C	0.011	0.00082	ng/g
PCB 27 (BZ)	0.0033	J	0.011	0.00077	ng/g
PCB 28 (BZ)	0.12	B C20	0.022	0.00083	ng/g
PCB 29 (BZ)	0.013	B C26	0.011	0.00082	ng/g
PCB 30 (BZ)	ND		0.022	0.00080	ng/g
PCB 31 (BZ)	0.059	B	0.022	0.00080	ng/g
PCB 32 (BZ)	ND		0.011	0.00076	ng/g
PCB 33 (BZ)	0.023	B C21	0.011	0.00081	ng/g
PCB 34 (BZ)	ND		0.011	0.00085	ng/g
PCB 35 (BZ)	ND		0.011	0.00086	ng/g
PCB 36 (BZ)	ND		0.011	0.00080	ng/g

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0054	J	0.011	0.00084	ng/g
PCB 38 (BZ)	ND		0.011	0.00083	ng/g
PCB 39 (BZ)	ND		0.011	0.00078	ng/g
PCB 40 (BZ)	0.025	C	0.011	0.0011	ng/g
PCB 41 (BZ)	0.0056	Q J	0.011	0.0015	ng/g
PCB 42 (BZ)	0.028		0.011	0.0012	ng/g
PCB 43 (BZ)	0.0054	Q C J	0.011	0.0011	ng/g
PCB 44 (BZ)	0.17	B C	0.011	0.0010	ng/g
PCB 45 (BZ)	0.0067	B C J	0.011	0.0012	ng/g
PCB 46 (BZ)	ND		0.011	0.0015	ng/g
PCB 47 (BZ)	0.17	B C44	0.011	0.0010	ng/g
PCB 48 (BZ)	0.026		0.011	0.0012	ng/g
PCB 49 (BZ)	0.18	B	0.011	0.0011	ng/g
PCB 50 (BZ)	0.0041	Q C J	0.011	0.0012	ng/g
PCB 51 (BZ)	0.0067	B C45 J	0.011	0.0012	ng/g
PCB 52 (BZ)	0.36	B	0.011	0.0012	ng/g
PCB 53 (BZ)	0.0041	Q C50 J	0.011	0.0012	ng/g
PCB 54 (BZ)	ND		0.011	0.0011	ng/g
PCB 55 (BZ)	ND		0.011	0.00092	ng/g
PCB 56 (BZ)	0.027		0.011	0.00087	ng/g
PCB 57 (BZ)	0.0017	J	0.011	0.00089	ng/g
PCB 58 (BZ)	0.0065	Q J	0.011	0.00085	ng/g
PCB 59 (BZ)	0.015	Q B C	0.011	0.00082	ng/g
PCB 60 (BZ)	0.11		0.011	0.00090	ng/g
PCB 61 (BZ)	ND		0.022	0.00090	ng/g
PCB 62 (BZ)	0.015	Q B C59	0.011	0.00082	ng/g
PCB 63 (BZ)	0.019		0.011	0.00080	ng/g
PCB 64 (BZ)	0.083		0.011	0.00081	ng/g
PCB 65 (BZ)	0.17	B C44	0.011	0.0010	ng/g
PCB 66 (BZ)	0.45	B	0.011	0.00083	ng/g
PCB 67 (BZ)	0.0056	J	0.011	0.00083	ng/g
PCB 68 (BZ)	0.0026	Q J	0.011	0.00080	ng/g
PCB 69 (BZ)	ND		0.011	0.00090	ng/g
PCB 70 (BZ)	0.60	B C	0.022	0.00081	ng/g
PCB 71 (BZ)	0.025	C40	0.011	0.0011	ng/g
PCB 72 (BZ)	0.0052	J	0.011	0.00085	ng/g

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	Work Order #....:	J64JQ1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/11/07	Date Received....:	09/18/07	Dilution Factor:	1
Prep Date....:	09/21/07	Analysis Date....:	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0054	Q C43 J	0.011	0.0011	ng/g
PCB 74 (BZ)	0.60	B C70	0.022	0.00081	ng/g
PCB 75 (BZ)	0.015	B Q C59	0.011	0.00082	ng/g
PCB 76 (BZ)	0.60	B C70	0.022	0.00081	ng/g
PCB 77 (BZ)	0.017		0.011	0.00089	ng/g
PCB 78 (BZ)	ND		0.011	0.00090	ng/g
PCB 79 (BZ)	0.0021	Q J	0.011	0.00078	ng/g
PCB 80 (BZ)	ND		0.011	0.00075	ng/g
PCB 81 (BZ)	0.0011	Q J	0.011	0.00081	ng/g
PCB 82 (BZ)	0.015	Q	0.011	0.0021	ng/g
PCB 83 (BZ)	1.3	C	0.011	0.0016	ng/g
PCB 84 (BZ)	0.023	Q	0.011	0.0019	ng/g
PCB 85 (BZ)	ND		0.011	0.0013	ng/g
PCB 86 (BZ)	0.43	B C	0.011	0.0013	ng/g
PCB 87 (BZ)	0.43	B C86	0.011	0.0013	ng/g
PCB 88 (BZ)	ND		0.011	0.0018	ng/g
PCB 89 (BZ)	ND		0.011	0.0018	ng/g
PCB 90 (BZ)	1.1	B C	0.011	0.0013	ng/g
PCB 91 (BZ)	0.034		0.011	0.0015	ng/g
PCB 92 (BZ)	0.23		0.011	0.0017	ng/g
PCB 93 (BZ)	0.0030	Q J	0.011	0.0018	ng/g
PCB 94 (BZ)	ND		0.011	0.0018	ng/g
PCB 95 (BZ)	0.24	B C	0.011	0.0015	ng/g
PCB 96 (BZ)	ND		0.011	0.0013	ng/g
PCB 97 (BZ)	0.43	B C86	0.011	0.0013	ng/g
PCB 98 (BZ)	ND		0.011	0.0016	ng/g
PCB 99 (BZ)	1.3	C83	0.011	0.0016	ng/g
PCB 100 (BZ)	0.24	B C95	0.011	0.0015	ng/g
PCB 101 (BZ)	1.1	B C90	0.011	0.0013	ng/g
PCB 102 (BZ)	ND		0.011	0.0016	ng/g
PCB 103 (BZ)	ND		0.011	0.0015	ng/g
PCB 104 (BZ)	ND		0.011	0.0011	ng/g
PCB 105 (BZ)	0.77		0.011	0.0011	ng/g
PCB 106 (BZ)	ND		0.011	0.0012	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.16		0.011	0.0012	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.035	C	0.011	0.0011	ng/g

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.43	B C86	0.011	0.0013	ng/g
PCB 110 (BZ)	ND		0.011	0.0011	ng/g
PCB 111 (BZ)	0.0021	Q J	0.011	0.0011	ng/g
PCB 112 (BZ)	ND		0.011	0.0012	ng/g
PCB 113 (BZ)	1.1	B C90	0.011	0.0013	ng/g
PCB 114 (BZ)	0.056		0.011	0.0011	ng/g
PCB 115 (BZ)	ND		0.011	0.0011	ng/g
PCB 116 (BZ)	ND		0.011	0.0013	ng/g
PCB 117 (BZ)	ND		0.011	0.0013	ng/g
PCB 118 (BZ)	2.4	B	0.011	0.0011	ng/g
PCB 119 (BZ)	0.43	B C86	0.011	0.0013	ng/g
PCB 120 (BZ)	0.0088	J	0.011	0.0011	ng/g
PCB 121 (BZ)	ND		0.011	0.0012	ng/g
PCB 122 (BZ)	ND		0.011	0.0012	ng/g
PCB 123 (BZ)	0.025		0.011	0.0011	ng/g
PCB 124 (BZ)	0.035	C108	0.011	0.0011	ng/g
PCB 125 (BZ)	0.43	B C86	0.011	0.0013	ng/g
PCB 126 (BZ)	0.0058	J	0.011	0.0013	ng/g
PCB 127 (BZ)	0.0040	Q J	0.011	0.0011	ng/g
PCB 128 (BZ)	0.67		0.011	0.0029	ng/g
PCB 129 (BZ)	3.9	B C	0.011	0.0025	ng/g
PCB 130 (BZ)	0.098		0.011	0.0032	ng/g
PCB 131 (BZ)	0.0054	Q J	0.011	0.0032	ng/g
PCB 132 (BZ)	0.075		0.011	0.0032	ng/g
PCB 133 (BZ)	0.053		0.011	0.0029	ng/g
PCB 134 (BZ)	0.024	C	0.011	0.0032	ng/g
PCB 135 (BZ)	0.27	Q C	0.011	0.0019	ng/g
PCB 136 (BZ)	0.043		0.011	0.0015	ng/g
PCB 137 (BZ)	0.13		0.011	0.0027	ng/g
PCB 138 (BZ)	3.9	B C129	0.011	0.0025	ng/g
PCB 139 (BZ)	0.057	C	0.011	0.0026	ng/g
PCB 140 (BZ)	0.057	C139	0.011	0.0026	ng/g
PCB 141 (BZ)	0.24		0.011	0.0030	ng/g
PCB 142 (BZ)	ND		0.011	0.0031	ng/g
PCB 143 (BZ)	0.024	C134	0.011	0.0032	ng/g
PCB 144 (BZ)	0.025		0.011	0.0019	ng/g

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.011	0.0014	ng/g
PCB 146 (BZ)	0.52		0.011	0.0026	ng/g
PCB 147 (BZ)	0.20	B C	0.011	0.0026	ng/g
PCB 148 (BZ)	ND		0.011	0.0020	ng/g
PCB 149 (BZ)	0.20	B C147	0.011	0.0026	ng/g
PCB 150 (BZ)	ND		0.011	0.0014	ng/g
PCB 151 (BZ)	0.27	Q C135	0.011	0.0019	ng/g
PCB 152 (BZ)	ND		0.011	0.0014	ng/g
PCB 153 (BZ)	3.7	B C	0.011	0.0021	ng/g
PCB 154 (BZ)	0.27	Q C135	0.011	0.0019	ng/g
PCB 155 (BZ)	ND		0.011	0.0013	ng/g
PCB 156 (BZ)	0.30	C	0.011	0.0025	ng/g
PCB 157 (BZ)	0.30	C156	0.011	0.0025	ng/g
PCB 158 (BZ)	0.31		0.011	0.0019	ng/g
PCB 159 (BZ)	0.0031	Q J	0.011	0.0021	ng/g
PCB 160 (BZ)	3.9	B C129	0.011	0.0025	ng/g
PCB 161 (BZ)	ND		0.011	0.0021	ng/g
PCB 162 (BZ)	0.017		0.011	0.0021	ng/g
PCB 163 (BZ)	3.9	B C129	0.011	0.0025	ng/g
PCB 164 (BZ)	0.080		0.011	0.0022	ng/g
PCB 165 (BZ)	ND		0.011	0.0023	ng/g
PCB 166 (BZ)	0.026		0.011	0.0021	ng/g
PCB 167 (BZ)	0.083		0.011	0.0014	ng/g
PCB 168 (BZ)	3.7	B C153	0.011	0.0021	ng/g
PCB 169 (BZ)	0.0031	Q J	0.011	0.0017	ng/g
PCB 170 (BZ)	0.40		0.011	0.0033	ng/g
PCB 171 (BZ)	0.14	C	0.011	0.0021	ng/g
PCB 172 (BZ)	0.070		0.011	0.0021	ng/g
PCB 173 (BZ)	0.14	C171	0.011	0.0021	ng/g
PCB 174 (BZ)	0.030	Q	0.011	0.0019	ng/g
PCB 175 (BZ)	0.0081	J	0.011	0.0019	ng/g
PCB 176 (BZ)	0.0025	Q J	0.011	0.0014	ng/g
PCB 177 (BZ)	0.079		0.011	0.0020	ng/g
PCB 178 (BZ)	0.11		0.011	0.0019	ng/g
PCB 179 (BZ)	0.054		0.011	0.0014	ng/g
PCB 180 (BZ)	0.74	C	0.011	0.0015	ng/g

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0055	J	0.011	0.0018	ng/g
PCB 182 (BZ)	ND		0.011	0.0018	ng/g
PCB 183 (BZ)	0.28		0.011	0.0018	ng/g
PCB 184 (BZ)	ND		0.011	0.0015	ng/g
PCB 185 (BZ)	0.022		0.011	0.0019	ng/g
PCB 186 (BZ)	ND		0.011	0.0014	ng/g
PCB 187 (BZ)	0.60		0.011	0.0017	ng/g
PCB 188 (BZ)	ND		0.011	0.0011	ng/g
PCB 189 (BZ)	0.014		0.011	0.0017	ng/g
PCB 190 (BZ)	0.10		0.011	0.0014	ng/g
PCB 191 (BZ)	0.016	Q	0.011	0.0014	ng/g
PCB 192 (BZ)	ND		0.011	0.0015	ng/g
PCB 193 (BZ)	0.74	C180	0.011	0.0015	ng/g
PCB 194 (BZ)	0.13		0.011	0.0018	ng/g
PCB 195 (BZ)	0.074		0.011	0.0020	ng/g
PCB 196 (BZ)	0.047		0.011	0.0014	ng/g
PCB 197 (BZ)	0.0041	Q J	0.011	0.00096	ng/g
PCB 198 (BZ)	0.10	C	0.011	0.0013	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.10	C198	0.011	0.0013	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.011	0.00099	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0056	Q J	0.011	0.00094	ng/g
PCB 202 (BZ)	0.052		0.011	0.0010	ng/g
PCB 203 (BZ)	0.11		0.011	0.0012	ng/g
PCB 204 (BZ)	ND		0.011	0.00099	ng/g
PCB 205 (BZ)	0.0083	J	0.011	0.0014	ng/g
PCB 206 (BZ)	0.055		0.011	0.0011	ng/g
PCB 207 (BZ)	0.0029	Q J	0.011	0.00079	ng/g
PCB 208 (BZ)	0.0086	Q J	0.011	0.00085	ng/g
PCB 209 (BZ)	0.010	Q J	0.011	0.0012	ng/g

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	**Work Order #....:**	J64JQ1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	47		30 - 140
13C12-PCB 3	44		30 - 140
13C12-PCB 4	62		30 - 140
13C12-PCB 15	63		30 - 140
13C12-PCB 19	67		30 - 140
13C12-PCB 37	74		30 - 140
13C12-PCB 54	76		30 - 140
13C12-PCB 77	74		30 - 140
13C12-PCB 81	74		30 - 140
13C12-PCB 104	73		30 - 140
13C12-PCB 105	74		30 - 140
13C12-PCB.114	73		30 - 140
13C12-PCB 118	77		30 - 140
13C12-PCB 123	74		30 - 140
13C12-PCB 126	70		30 - 140
13C12-PCB 155	82		30 - 140
13C12-PCB 156	70	C	30 - 140
13C12-PCB 157	70	C	30 - 140
13C12-PCB 167	65		30 - 140
13C12-PCB 169	52		30 - 140
13C12-PCB 170	72		30 - 140
13C12-PCB 188	104		30 - 140
13C12-PCB 189	85		30 - 140
13C12-PCB 202	106		30 - 140
13C12-PCB 205	82		30 - 140
13C12-PCB 206	93		30 - 140
13C12-PCB 208	101		30 - 140
13C12-PCB 209	114		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	74	40 - 125
13C12-PCB 111	81	40 - 125
13C12-PCB 178	99	40 - 125

Washington Closure Hanford

Sample ID: J15J75

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001	Work Order #....:	J64JQ1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/11/07	Date Received....:	09/18/07	Dilution Factor:	1
Prep Date....:	09/21/07	Analysis Date....:	09/28/07		
Prep Batch #....:	7264161				
Initial Wgt/Vol :	9 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

STL - Knoxville

IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AA	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jq.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99549	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/11/07
Analysis Time	15:55	Initial Wt/Vol	9.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
Total Monochlorobiphenyl		2670	979			0.014943		0.001660	QJ	0.00146
13C12-PCB 1	12:13	1423685	533276	1.318	10.00	4.703080	47.03	0.522564		0.000912
13C12-PCB 3	14:29	1325255	389625	1.325	10.00	4.352126	43.52	0.483570		0.000907
PCB 1 (BZ)				1.253				ND		0.000424
PCB 2 (BZ)				1.226				ND		0.000501
PCB 3 (BZ)	14:30	2670	979	1.348		0.014943		0.001660	QJ	0.000539
Total Dichlorobiphenyl		43669	10698			0.262081		0.029120	QBJ	0.0178
13C12-PCB 4	14:45	870465	259459	0.615	10.00	6.162287	61.62	0.684699		0.00111
13C12-PCB 9	16:42	2297324	617102	1.000	10.00	10.000000	100.00	1.111111		0.000684
13C12-PCB 8				1.332	5.000			ND		0.00109
13C12-PCB 15	20:46	1550606	319490	1.065	10.00	6.338935	63.39	0.704326		0.000643
PCB 4 (BZ)	14:46	4903	1428	1.212		0.046494		0.005166	QBJ	0.00208
PCB 10 (BZ)				1.326				ND		0.00170
PCB 9 (BZ)				1.445				ND		0.00156
PCB 7 (BZ)				1.432				ND		0.00158
PCB 6 (BZ)	17:09	4373	1050	1.450		0.024913		0.002768	QBJ	0.00156
PCB 5 (BZ)				1.356				ND		0.00166
PCB 8 (BZ)	17:37	14517	3893	1.477		0.081199		0.009022	QBJ	0.00153
PCB 14 (BZ)	19:11	1597	440	1.687		0.007817		0.000869	QBJ	0.00134
PCB 11 (BZ)	20:08	10729	2286	1.448		0.061222		0.006802	QBJ	0.00156
PCB 13 (BZ)		2081		1.454		0.011823		0.001314	QBC12J	0.00155
PCB 12 (BZ)	20:29	2081	441	1.454		0.011823		0.001314	QBCJ	0.00155
PCB 15 (BZ)	20:46	5470	1160	1.233		0.028614		0.003179	QBJ	0.00166
Total Trichlorobiphenyl		502073	98389			2.879968		0.319996	BQ	0.0187
13C12-PCB 19	17:57	696706	189397	0.558	10.00	6.653090	66.53	0.739232		0.00331
13C12-PCB 32	21:12	1875530	436869	1.000	10.00	10.000000	100.00	1.111111		0.00185
13C12-PCB 31	23:27	2449226	536714	1.000	10.00	10.000000	100.00	1.111111		0.00151
13C12-PCB 28	23:44	1744931	366857	0.968	10.00	7.361012	73.61	0.817890		0.00156
13C12-PCB 37	27:52	1600437	274148	0.885	10.00	7.381465	73.81	0.820163		0.00170
PCB 19 (BZ)				1.178				ND		0.00127
PCB 30 (BZ)				1.874				ND		0.000798
PCB 18 (BZ)	19:49	35464	8962	1.262		0.403297		0.044811	B	0.00119
PCB 17 (BZ)	20:13	14400	4015	1.326		0.155878		0.017320	B	0.00113
PCB 27 (BZ)	20:28	4051	1014	1.945		0.029893		0.003321	J	0.000769
PCB 24 (BZ)	20:35	1179	359	1.782		0.009495		0.001055	QJ	0.000839
PCB 16 (BZ)	20:45	7479	2013	1.157		0.092759		0.010307	QJ	0.00129
PCB 32 (BZ)				1.966				ND		0.000761
PCB 34 (BZ)				1.216				ND		0.000850
PCB 23 (BZ)				1.208				ND		0.000856
PCB 29 (BZ)	22:55	22896	5580	1.265		0.113116		0.012568	BC26	0.000817
PCB 26 (BZ)		22896		1.265		0.113116		0.012568	BC	0.000817
PCB 25 (BZ)	23:07	7056	1410	1.362		0.032379		0.003598	QBJ	0.000759
PCB 31 (BZ)	23:29	109588	23355	1.285		0.532689		0.059188	B	0.000804
PCB 28 (BZ)	23:46	215911	41779	1.238		1.089445		0.121049	BC20	0.000835
PCB 20 (BZ)		215911		1.238		1.089445		0.121049	BC	0.000835
PCB 21 (BZ)		42616		1.276		0.208745		0.023194	BC	0.000810
PCB 33 (BZ)	24:03	42616	6960	1.276		0.208745		0.023194	BC21	0.000810
PCB 22 (BZ)	24:28	31883	6730	1.218		0.163536		0.018171	QB	0.000848
PCB 36 (BZ)				1.286				ND		0.000804

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IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AA	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jq.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99549	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/11/07
Analysis Time	15:55	Initial Wt/Vol	9.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 39 (BZ)				1.330				ND		0.000777
PCB 38 (BZ)				1.246				ND		0.000829
PCB 35 (BZ)				1.195				ND		0.000865
PCB 37 (BZ)	27:54	9550	1792	1.224		0.048736		0.005415	J	0.000844
Total Tetrachlorobiphenyl		3109376	558193			19.342457		2.149162	QB	0.0313
13C12-PCB 54	21:06	847063	203660	0.598	10.00	7.557879	75.58	0.839764		0.00114
13C12-PCB 52	25:35	1448153	307336	1.000	10.00	10.000000	100.00	1.111111		0.000967
13C12-PCB 79				1.089	5.000			ND		0.00112
13C12-PCB 81	34:34	1369694	246002	1.286	10.00	7.352380	73.52	0.816931		0.000752
13C12-PCB 77	35:11	1381201	243550	1.297	10.00	7.352594	73.53	0.816955		0.000746
PCB 54 (BZ)				1.211				ND		0.00106
PCB 50 (BZ)		4687		0.927		0.036767		0.004085	QCJ	0.00115
PCB 53 (BZ)	23:16	4687	1240	0.927		0.036767		0.004085	QC50J	0.00115
PCB 45 (BZ)	23:57	7155	1912	0.857		0.060685		0.006743	BCJ	0.00124
PCB 51 (BZ)		7155		0.857		0.060685		0.006743	BC45J	0.00124
PCB 46 (BZ)				0.706				ND		0.00151
PCB 52 (BZ)	25:36	410881	89372	0.926		3.226200		0.358467	B	0.00115
PCB 73 (BZ)		6443		0.957		0.048928		0.005436	QC43J	0.00111
PCB 43 (BZ)	25:49	6443	1703	0.957		0.048928		0.005436	QCJ	0.00111
PCB 69 (BZ)				1.180				ND		0.000904
PCB 49 (BZ)	26:05	222848	48165	1.005		1.611590		0.179066	B	0.00106
PCB 48 (BZ)	26:20	28693	6329	0.886		0.235460		0.026162		0.00120
PCB 65 (BZ)	26:38	209106	28882	1.024		1.485027		0.165003	BC44	0.00104
PCB 47 (BZ)		209106		1.024		1.485027		0.165003	BC44	0.00104
PCB 44 (BZ)		209106		1.024		1.485027		0.165003	BC	0.00104
PCB 62 (BZ)	26:53	24510	2363	1.297		0.137442		0.015271	QBC59	0.000823
PCB 75 (BZ)	26:57	24510	2866	1.297		0.137442		0.015271	BQC59	0.000823
PCB 59 (BZ)		24510		1.297		0.137442		0.015271	QBC	0.000823
PCB 42 (BZ)	27:09	29464	6270	0.860		0.249206		0.027690		0.00124
PCB 41 (BZ)	27:33	5018	1524	0.723		0.050436		0.005604	QJ	0.00147
PCB 71 (BZ)	27:41	29386	5794	0.953		0.224124		0.024903	C40	0.00112
PCB 40 (BZ)		29386		0.953		0.224124		0.024903	C	0.00112
PCB 64 (BZ)	27:52	134572	27486	1.313		0.745154		0.082795		0.000812
PCB 72 (BZ)	28:36	8158	1839	1.257		0.047181		0.005242	J	0.000849
PCB 68 (BZ)	28:54	4191	1122	1.327		0.022957		0.002551	QJ	0.000804
PCB 57 (BZ)	29:18	2508	739	1.194		0.015271		0.001697	J	0.000893
PCB 58 (BZ)	29:34	10174	1947	1.260		0.058722		0.006525	QJ	0.000847
PCB 67 (BZ)	29:43	8948	1991	1.286		0.050572		0.005619	J	0.000829
PCB 63 (BZ)	30:00	31629	6707	1.339		0.171777		0.019086		0.000797
PCB 61 (BZ)				1.190				ND		0.000896
PCB 70 (BZ)	30:24	977968	183581	1.317		5.398452		0.599828	BC	0.000810
PCB 76 (BZ)		977968		1.317		5.398452		0.599828	BC70	0.000810
PCB 74 (BZ)		977968		1.317		5.398452		0.599828	BC70	0.000810
PCB 66 (BZ)	30:43	725900	133744	1.289		4.093515		0.454835	B	0.000827
PCB 55 (BZ)				1.161				ND		0.000919
PCB 56 (BZ)	31:28	40501	7517	1.231		0.239228		0.026581		0.000867
PCB 60 (BZ)	31:39	156268	26588	1.191		0.953955		0.105995		0.000896
PCB 80 (BZ)				1.416				ND		0.000753
PCB 79 (BZ)	33:32	3494	880	1.371		0.018532		0.002059	QJ	0.000778

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PCB's by EPA Method 1668A (Solid/Air Table 4)

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Workorder	J64JQ1AA	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jq.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99549	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/11/07
Analysis Time	15:55	Initial Wt/Vol	9.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 78 (BZ)				1.181				ND		0.000903
PCB 81 (BZ)	34:37	1844	648	1.317		0.010221		0.001136	QJ	0.000806
PCB 77 (BZ)	35:12	25030	4023	1.200		0.151055		0.016784		0.000894
Total Pentachlorobiphenyl		8786112	1161795			61.952890		6.883654	BQ	0.0440
13C12-PCB 104	26:30	1245559	275580	1.260	10.00	7.281647	72.82	0.809072		0.000998
13C12-PCB 95				0.741	5.000			ND		0.00169
13C12-PCB 101	32:22	1357842	274072	1.000	10.00	10.000000	100.00	1.111111		0.00126
13C12-PCB 111	34:58	1356586	271628	1.229	10.00	8.129113	81.29	0.903235		0.00102
13C12-PCB 123	37:00	1466291	279535	0.955	10.00	7.356849	73.57	0.817428		0.000950
13C12-PCB 118	37:20	1589842	295100	0.988	10.00	7.706274	77.06	0.856253		0.000918
13C12-PCB 114	37:53	1472745	278496	0.971	10.00	7.265615	72.66	0.807291		0.000934
13C12-PCB 105	38:38	1454053	266490	0.941	10.00	7.398839	73.99	0.822093		0.000963
13C12-PCB 127	39:58	2088072	379958	1.000	10.00	10.000000	100.00	1.111111		0.000907
13C12-PCB 126	41:41	1435831	252625	0.978	10.00	7.032280	70.32	0.781364		0.000927
PCB 104 (BZ)				1.149				ND		0.00111
PCB 96 (BZ)				1.014				ND		0.00126
PCB 103 (BZ)				0.866				ND		0.00148
PCB 94 (BZ)				0.703				ND		0.00182
PCB 95 (BZ)	29:34	227246	48430	0.859		2.124609		0.236068	BC	0.00149
PCB 100 (BZ)		227246		0.859		2.124609		0.236068	BC95	0.00149
PCB 93 (BZ)	29:42	2371	798	0.701		0.027144		0.003016	QJ	0.00183
PCB 102 (BZ)				0.822				ND	C98	0.00156
PCB 98 (BZ)				0.822				ND	C	0.00156
PCB 88 (BZ)				0.723				ND		0.00177
PCB 91 (BZ)	30:23	33255	7698	0.864		0.309094		0.034344		0.00148
PCB 84 (BZ)	30:43	17309	3295	0.679		0.204558		0.022729	Q	0.00188
PCB 89 (BZ)				0.717				ND		0.00178
PCB 121 (BZ)				1.105				ND		0.00116
PCB 92 (BZ)	31:48	202115	42171	0.772		2.100972		0.233441		0.00166
PCB 113 (BZ)	32:23	1207620	249232	0.990		9.796971		1.088552	BC90	0.00129
PCB 90 (BZ)		1207620		0.990		9.796971		1.088552	BC	0.00129
PCB 101 (BZ)		1207620		0.990		9.796971		1.088552	BC90	0.00129
PCB 83 (BZ)	32:56	1149344	228514	0.777		11.881162		1.320129	C	0.00165
PCB 99 (BZ)		1149344		0.777		11.881162		1.320129	C83	0.00165
PCB 112 (BZ)				1.079				ND		0.00119
PCB 109 (BZ)/108 (IUPAC)	33:25	469722	11023	0.967		3.900738		0.433415	BC86	0.00132
PCB 86 (BZ)	33:31	469722	22339	0.967		3.900738		0.433415	BC	0.00132
PCB 119 (BZ)		469722		0.967		3.900738		0.433415	BC86	0.00132
PCB 97 (BZ)		469722		0.967		3.900738		0.433415	BC86	0.00132
PCB 125 (BZ)	33:40	469722	59771	0.967		3.900738		0.433415	BC86	0.00132
PCB 87 (BZ)		469722		0.967		3.900738		0.433415	BC86	0.00132
PCB 117 (BZ)				0.979				ND	C85	0.00131
PCB 116 (BZ)				0.979				ND	C85	0.00131
PCB 85 (BZ)				0.979				ND	C	0.00131
PCB 110 (BZ)				1.139				ND	C	0.00112
PCB 115 (BZ)				1.139				ND	C110	0.00112
PCB 82 (BZ)	34:48	10177	2677	0.605		0.135134		0.015015	Q	0.00212
PCB 111 (BZ)	34:57	2718	831	1.129		0.019335		0.002148	QJ	0.00113
PCB 120 (BZ)	35:26	11812	2808	1.192		0.079547		0.008839	J	0.00107

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PCB's by EPA Method 1668A (Solid/Air Table 4)

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Workorder	J64JQ1AA	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jq.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99549	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/11/07
Analysis Time	15:55	Initial Wt/Vol	9.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 124 (BZ)		53209		1.123		0.319195		0.035466	C108	0.00114
PCB 108 (BZ)/107 (IUPAC)	36:40	53209	10177	1.123		0.319195		0.035466	C	0.00114
PCB 107 (BZ)/109 (IUPAC)	36:55	236289	46915	1.074		1.482625		0.164736		0.00120
PCB 123 (BZ)	37:01	37458	9013	1.136		0.224874		0.024986		0.00111
PCB 106 (BZ)				1.046				ND		0.00123
PCB 118 (BZ)	37:22	3798310	726953	1.094		21.844158		2.427129	B	0.00109
PCB 122 (BZ)				1.047				ND		0.00123
PCB 114 (BZ)	37:55	88914	13242	1.196		0.504745		0.056083		0.00106
PCB 105 (BZ)	38:39	1223809	230603	1.218		6.909410		0.767712		0.00109
PCB 127 (BZ)	39:59	6051	1479	1.130		0.036074		0.004008	QJ	0.00114
PCB 126 (BZ)	41:42	8382	2542	1.111		0.052544		0.005838	J	0.00126
Total Hexachlorobiphenyl		12085641	2265349			97.627732		10.847526	QB	0.0729
13C12-PCB 155	31:58	1316014	273935	1.178	10.00	8.228078	82.28	0.914231		0.000981
13C12-PCB 153				0.833	5.000			ND		0.00213
13C12-PCB 138	40:26	1624420	319008	1.000	10.00	10.000000	100.00	1.111111		0.000993
13C12-PCB 167	43:24	1297485	246987	1.237	10.00	6.458934	64.59	0.717659		0.000803
13C12-PCB 156	44:42	2812952	284935	1.229	20.00	14.092218	70.46	1.565802		0.000808
13C12-PCB 157								ND		0.000000
13C12-PCB 169	47:58	1008945	180926	1.188	10.00	5.230070	52.30	0.581119		0.000836
PCB 155 (BZ)				1.117				ND		0.00132
PCB 152 (BZ)				1.023				ND		0.00144
PCB 150 (BZ)				1.032				ND		0.00142
PCB 136 (BZ)	33:02	49334	10571	0.967		0.387846		0.043094		0.00152
PCB 145 (BZ)				1.021				ND		0.00144
PCB 148 (BZ)				0.749				ND		0.00196
PCB 151 (BZ)	35:16	249058	42127	0.781		2.424732		0.269415	QC135	0.00188
PCB 135 (BZ)	35:23	249058	9905	0.781		2.424732		0.269415	QC	0.00188
PCB 154 (BZ)		249058		0.781		2.424732		0.269415	QC135	0.00188
PCB 144 (BZ)	35:50	22598	4315	0.759		0.226342		0.025149		0.00194
PCB 147 (BZ)	36:12	197325	36360	0.862		1.789100		0.198789	BC	0.00262
PCB 149 (BZ)		197325		0.862		1.789100		0.198789	BC147	0.00262
PCB 134 (BZ)	36:28	19702	3959	0.711		0.216379		0.024042	C	0.00318
PCB 143 (BZ)		19702		0.711		0.216379		0.024042	C134	0.00318
PCB 139 (BZ)	36:45	56017	10239	0.856		0.511497		0.056833	C	0.00264
PCB 140 (BZ)		56017		0.856		0.511497		0.056833	C139	0.00264
PCB 131 (BZ)	37:03	4402	1084	0.713		0.048202		0.005356	QJ	0.00317
PCB 142 (BZ)				0.735				ND		0.00308
PCB 132 (BZ)	37:34	61338	12561	0.710		0.674830		0.074981		0.00318
PCB 133 (BZ)	37:53	46637	9927	0.768		0.474244		0.052694		0.00294
PCB 165 (BZ)				0.993				ND		0.00228
PCB 146 (BZ)	38:31	520846	103454	0.874		4.657935		0.517548		0.00259
PCB 161 (BZ)				1.090				ND		0.00207
PCB 153 (BZ)	39:07	4588540	921625	1.068		33.554834		3.728315	BC	0.00212
PCB 168 (BZ)		4588540		1.068		33.554834		3.728315	BC153	0.00212
PCB 141 (BZ)	39:24	208106	40217	0.756		2.151468		0.239052		0.00299
PCB 130 (BZ)	39:50	80342	16499	0.708		0.886092		0.098455		0.00319
PCB 137 (BZ)	40:01	129160	25956	0.835		1.208481		0.134276		0.00271
PCB 164 (BZ)	40:12	95528	18891	1.033		0.722431		0.080270		0.00219
PCB 138 (BZ)	40:28	4130768	790578	0.922		35.004980		3.889442	BC129	0.00245

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PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AA	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jq.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99549	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/11/07
Analysis Time	15:55	Initial Wt/Vol	9.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 163 (BZ)		4130768		0.922		35.004980		3.889442	BC129	0.00245
PCB 129 (BZ)		4130768		0.922		35.004980		3.889442	BC	0.00245
PCB 160 (BZ)		4130768		0.922		35.004980		3.889442	BC129	0.00245
PCB 158 (BZ)	40:50	424705	80956	1.191		2.785811		0.309535		0.00190
PCB 166 (BZ)	41:41	32595	7253	1.102		0.231068		0.025674		0.00205
PCB 128 (BZ)	41:50	592647	106696	0.769		6.022819		0.669202		0.00294
PCB 159 (BZ)	42:40	3857	1041	1.079		0.027923		0.003103	QJ	0.00209
PCB 162 (BZ)	42:57	21419	3757	1.079		0.155121		0.017236		0.00209
PCB 167 (BZ)	43:25	111200	21195	1.150		0.745103		0.082789		0.00142
PCB 156 (BZ)	44:38	435779	63912	1.151		2.692779		0.299198	C	0.00246
PCB 157 (BZ)		435779		1.151		2.692779		0.299198	C156	0.00246
PCB 169 (BZ)	47:56	3739	759	1.337		0.027718		0.003080	QJ	0.00167
Total Heptachlorobiphenyl		2468125	298268			24.101820		2.677980	Q	0.0383
13C12-PCB 188	37:43	1440385	292948	1.238	10.00	10.403278	104.03	1.155920		0.00147
13C12-PCB 178	40:47	954431	187280	0.863	10.00	9.888893	98.89	1.098766		0.00211
13C12-PCB 180	45:57	1118252	172012	1.000	10.00	10.000000	100.00	1.111111		0.00182
13C12-PCB 170	47:21	657864	96487	0.813	10.00	7.231896	72.32	0.803544		0.00224
13C12-PCB 189	50:28	1112026	182699	1.620	10.00	8.454029	84.54	0.939337		0.00144
PCB 188 (BZ)				1.071				ND		0.00107
PCB 179 (BZ)	38:13	60945	12374	1.200		0.484159		0.053795		0.00144
PCB 184 (BZ)				1.178				ND		0.00146
PCB 176 (BZ)	39:03	2952	759	1.252		0.022475		0.002497	QJ	0.00138
PCB 186 (BZ)				1.214				ND		0.00142
PCB 178 (BZ)	40:50	96435	19017	0.889		1.033572		0.114841		0.00194
PCB 175 (BZ)	41:26	7029	1469	0.920		0.072816		0.008091	J	0.00188
PCB 187 (BZ)	41:42	573345	113779	1.009		5.417187		0.601910		0.00171
PCB 182 (BZ)				0.972				ND		0.00178
PCB 183 (BZ)	42:18	245826	47073	0.946		2.476480		0.275164		0.00182
PCB 185 (BZ)	42:30	19185	3702	0.919		0.199005		0.022112		0.00188
PCB 174 (BZ)	42:40	26496	5678	0.924		0.273316		0.030368	Q	0.00187
PCB 177 (BZ)	43:07	65763	13042	0.880		0.712716		0.075191		0.00196
PCB 181 (BZ)	43:25	5025	1180	0.975		0.049138		0.005460	J	0.00177
PCB 171 (BZ)		109370		0.835		1.248437		0.138715	C	0.00207
PCB 173 (BZ)	43:43	109370	23029	0.835		1.248437		0.138715	C171	0.00207
PCB 172 (BZ)	45:19	55744	10854	0.838		0.633901		0.070433		0.00206
PCB 192 (BZ)				1.147				ND		0.00150
PCB 193 (BZ)	45:58	789727	124274	1.134		6.637913		0.737546	C180	0.00152
PCB 180 (BZ)		789727		1.134		6.637913		0.737546	C	0.00152
PCB 191 (BZ)	46:18	18700	3032	1.228		0.145179		0.016131	Q	0.00141
PCB 170 (BZ)	47:22	252492	42509	1.058		3.629013		0.403224		0.00329
PCB 190 (BZ)	47:52	124072	20870	1.254		0.943420		0.104824		0.00138
PCB 189 (BZ)	50:28	15019	2929	1.097		0.123092		0.013677		0.00168
Total Octachlorobiphenyl		428097	80949			4.837732		0.537526	Q	0.0140
13C12-PCB 202	43:06	1179427	231267	0.994	10.00	10.613025	106.13	1.179225		0.00135
13C12-PCB 194	52:33	811734	134802	1.000	10.00	10.000000	100.00	1.111111		0.00171
13C12-PCB 205	53:03	936524	166032	1.407	10.00	8.201402	82.01	0.911267		0.00122
PCB 202 (BZ)	43:08	54467	11050	0.993		0.465199		0.051689		0.00103
PCB 200 (BZ)/201 (IUPAC)	44:00	6430	1665	1.087		0.050154		0.005573	QJ	0.000939
PCB 204 (BZ)				1.033				ND		0.000988

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PCB's by EPA Method 1668A (Solid/Air Table 4)

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Workorder	J64JQ1AA	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jq.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99549	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/11/07
Analysis Time	15:55	Initial Wt/Vol	9.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 197 (BZ)	44:53	4663	1045	1.061		0.037254		0.004139	QJ	0.000962
PCB 199 (BZ)/200 (IUPAC)				1.031				ND		0.000990
PCB 198 (BZ)	47:57	84686	15789	0.761		0.943770		0.104863	C	0.00134
PCB 201 (BZ)/199 (IUPAC)		84686		0.761		0.943770		0.104863	C198	0.00134
PCB 196 (BZ)	48:34	37286	6980	0.752		0.420334		0.046704		0.00136
PCB 203 (BZ)	48:47	100271	18508	0.856		0.993197		0.110355		0.00119
PCB 195 (BZ)	50:13	45328	8671	0.723		0.669869		0.074430		0.00197
PCB 194 (BZ)	52:35	88109	15669	0.795		1.183580		0.131509		0.00179
PCB 205 (BZ)	53:04	6857	1572	0.984		0.074376		0.008264	J	0.00144
Total Nonachlorobiphenyl		43940	8665			0.599369		0.066597	Q	0.00271
13C12-PCB 208	49:48	950324	168533	1.161	10.00	10.083194	100.83	1.120355		0.00131
13C12-PCB 206	54:42	621037	125863	0.823	10.00	9.299959	93.00	1.033329		0.00185
PCB 208 (BZ)	49:49	7560	1310	1.026		0.077510		0.008612	QJ	0.000851
PCB 207 (BZ)	50:46	2586	554	1.264		0.026039		0.002893	QJ	0.000791
PCB 206 (BZ)	54:43	33794	6801	1.097		0.495820		0.055091		0.00107
13C12-PCB 209	56:13	860167	155589	0.930	10.00	11.393046	113.93	1.265894		0.00173
PCB 209 (BZ)	56:14	8153	1616	1.006		0.094240		0.010471	QJ	0.00121

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AA	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jq.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99549	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	09/28/07 15:55	Matrix	BIOLOGIC	Date Sampled	09/11/07
Anal Exp Date	09/20/08	Initial Wt/Vol	9.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
188					188.0393	190.0363	188.0393	190.0363	2.66-3.60		
	Noise	00:00	00:00	0	123	133	49	53	0.92 *	/	
	PCB 3 (BZ)	14:30	14:28	2	1947	723	733	246	2.69	ABB/ABB	T
200					200.0795	202.0766	200.0795	202.0766	2.66-3.60		
	Noise	00:00	00:00	0	210	458	84	183	0.46 *	/	
	13C12-PCB 1	12:13	12:13	0	1087734	335951	408438	124838	3.24	ABV/AVV	
	13C12-PCB 3	14:29	14:27	2	1011945	313310	299056	90569	3.23	ABV/AVV	
222					222.0003	223.9974	222.0003	223.9974	1.33-1.79		
	Noise	00:00	00:00	0	145	443	58	177	0.33 *	/	
	PCB 4 (BZ)	14:46	14:45	1	2988	7975	870	1670	0.37 *	MVV/MVV	R
	PCB 6 (BZ)	17:09	17:09	0	2665	10807	640	1436	0.25 *	MVV/MVV	R
	PCB 8 (BZ)	17:37	17:36	1	8846	12218	2372	2555	0.72 *	MVV/MVV	R
	PCB 14 (BZ)	19:11	19:11	0	973	5786	268	1174	0.17 *	MVV/MVV	RD
	PCB 11 (BZ)	20:08	20:06	2	6538	9230	1393	1420	0.71 *	MVV/MVV	R
	PCB 12 (BZ)	20:29	20:25	4	1268	4254	269	1216	0.30 *	MVV/MVV	R
	PCB 15 (BZ)	20:46	20:43	3	3333	7609	707	990	0.44 *	MVV/MVV	R
234					234.0406	236.0376	234.0406	236.0376	1.33-1.79		
	Noise	00:00	00:00	0	228	153	91	61	1.49	/	
	13C12-PCB 4	14:45	14:44	1	540202	330263	164393	95066	1.64	ABV/ABV	
	13C12-PCB 9	16:42	16:41	1	1415575	881749	375506	241596	1.61	ABV/ABV	
	13C12-PCB 15	20:46	20:43	3	954206	596400	195297	124193	1.60	ABV/ABV	
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	Noise	00:00	00:00	0	135	120	54	48	1.13	/	
	PCB 18 (BZ)	19:49	19:47	2	17476	17988	4029	4933	0.97	ABB/MVV	
	PCB 17 (BZ)	20:13	20:12	1	7720	6680	2251	1764	1.16	MBB/ABB	
	PCB 27 (BZ)	20:28	20:27	1	2175	1876	641	373	1.16	MBB/ABV	
	PCB 24 (BZ)	20:35	20:33	2	601	940	183	268	0.64 *	MVV/AVB	R
	PCB 16 (BZ)	20:45	20:43	2	3813	5216	1026	1266	0.73 *	ABB/ABB	R
	PCB 29 (BZ)	22:55	22:53	2	11107	11789	2984	2596	0.94	ABB/MBV	
	PCB 25 (BZ)	23:07	23:07	0	3597	4625	719	982	0.78 *	MVV/MVV	R
	PCB 31 (BZ)	23:29	23:29	0	54914	54674	11393	11962	1.00	ABV/ABV	
	PCB 28 (BZ)	23:46	23:45	1	109497	106414	20835	20944	1.03	AVV/AVV	
	PCB 33 (BZ)	24:03	24:03	0	20056	22560	3371	3589	0.89	AVV/AVB	
	PCB 22 (BZ)	24:28	24:27	1	19354	15629	4186	3299	1.24 *	ABB/ABB	R
	Unidentified	25:36	00:00	0	6173	6051	1767	1664	1.02	ABB/ABB	
	Unidentified	26:07	00:00	0	3847	2226	742	706	1.73 *	ABB/ABB	R
	Unidentified	26:40	00:00	0	2323	3487	439	690	0.67 *	ABB/ABB	R
	PCB 37 (BZ)	27:54	27:51	3	5120	4430	880	912	1.16	ABB/MBB	
268					268.0016	269.9986	268.0016	269.9986	0.88-1.20		
	Noise	00:00	00:00	0	408	320	163	128	1.27 *	/	
	13C12-PCB 19	17:57	17:55	2	370268	326438	104730	84667	1.13	AVV/AVV	
	13C12-PCB 32	21:12	21:11	1	994918	880612	227907	208962	1.13	ABV/AVV	
	13C12-PCB 31	23:27	23:26	1	1269642	1179584	276622	260092	1.08	ABV/ABV	
	13C12-PCB 28	23:44	23:44	0	885483	859448	185340	181517	1.03	AVV/AVV	

Notes:
R - ratio is outside limits M - data changed manually N - Peak not reported $ - peak less than 2.5x S/N
T - peaks outside conax limit D - peak outside RT window M - peak outside first/last X - peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AA	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jq.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99549	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	09/28/07 15:55	Matrix	BIOLOGIC	Date Sampled	09/11/07
Anal Exp Date	09/20/08	Initial Wt/Vol	9.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
268					268.0016	269.9986	268.0016	269.9986	0.88-1.20		
	13C12-PCB 37	27:52	27:49	3	829624	770813	141833	132315	1.08	ABV/ABV	
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	Noise	00:00	00:00	0	113	123	45	49	0.92 *	/	
	PCB 53 (BZ)	23:16	23:13	3	2026	2661	467	773	0.76	ABB/ABB	TM
	PCB 45 (BZ)	23:57	23:56	1	3105	4050	753	1159	0.77	ABB/ABB	
	PCB 52 (BZ)	25:36	25:37	-1	179447	231434	39338	50034	0.78	ABV/ABV	D
	PCB 43 (BZ)	25:49	25:50	-1	3281	3640	492	962	0.90 *	AVV/AVV	RD
	PCB 49 (BZ)	26:05	26:06	-1	99225	123623	20270	27895	0.80	AVV/AVV	
	PCB 48 (BZ)	26:20	26:22	-2	13470	15223	2368	3961	0.88	AVB/AVB	D
	PCB 65 (BZ)	26:38	26:35	3	91436	117670	12527	16355	0.78	ABV/ABV	
	PCB 62 (BZ)	26:53	26:51	2	6683	7334	1159	1335	0.91 *	AVV/AVV	R
	PCB 75 (BZ)	26:57	26:55	2	4981	6548	1296	1570	0.76	AVV/AVB	
	PCB 42 (BZ)	27:09	27:10	-1	11911	17553	2385	3885	0.68	AVB/ABB	D
	PCB 41 (BZ)	27:33	27:35	-2	2183	3931	663	1193	0.56 *	ABV/ABV	R
	PCB 71 (BZ)	27:41	27:40	1	12176	17210	2467	3327	0.71	AVV/AVV	
	PCB 64 (BZ)	27:52	27:52	0	59215	75357	12127	15359	0.79	AVV/AVB	
	PCB 72 (BZ)	28:36	28:40	-4	3733	4425	746	1093	0.84	ABB/ABB	M
	PCB 68 (BZ)	28:54	28:55	-1	1823	3060	488	593	0.60 *	ABB/ABB	R
	PCB 57 (BZ)	29:18	29:22	-4	1136	1372	359	380	0.83	MVV/MVV	M
	PCB 58 (BZ)	29:34	29:38	-4	4426	7007	847	1316	0.63 *	ABV/ABV	RM
	PCB 67 (BZ)	29:43	29:45	-2	4094	4854	836	1155	0.84	AVB/AVV	
	PCB 63 (BZ)	30:00	30:03	-3	14658	16971	3112	3595	0.86	MBB/MVV	
	PCB 70 (BZ)	30:24	30:24	0	420914	557054	78350	105231	0.76	ABV/ABV	
	PCB 66 (BZ)	30:43	30:44	-1	317875	408025	57414	76330	0.78	AVV/AVV	
	PCB 56 (BZ)	31:28	31:27	1	18311	22190	3735	3782	0.83	ABV/ABV	
	PCB 60 (BZ)	31:39	31:39	0	67389	88879	11832	14756	0.76	AVB/AVB	
	PCB 79 (BZ)	33:32	33:34	-2	1520	2987	383	850	0.51 *	ABB/ABV	R
	PCB 81 (BZ)	34:37	34:36	1	1139	1042	303	366	1.09 *	MVB/MVV	R
	PCB 77 (BZ)	35:12	35:11	1	11567	13463	1999	2024	0.86	ABB/ABV	
302					301.9626	303.9597	301.9626	303.9597	0.65-0.89		
	Noise	00:00	00:00	0	145	123	58	49	1.18 *	/	
	13C12-PCB 54	21:06	21:04	2	380460	466603	92100	111560	0.82	ABV/ABV	
	13C12-PCB 52	25:35	25:36	-1	637883	810270	130793	176543	0.79	ABV/ABV	
	13C12-PCB 81	34:34	34:34	0	601494	768200	107750	138252	0.78	ABV/ABV	
	13C12-PCB 77	35:11	35:10	1	597823	783378	108135	135415	0.76	ABV/ABV	
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	Noise	00:00	00:00	0	165	153	66	61	1.08 *	/	
	PCB 95 (BZ)	29:34	29:36	-2	138816	88430	30660	17770	1.57	MBV/MVV	
	PCB 93 (BZ)	29:42	29:45	-3	1742	930	439	313	1.87 *	MVV/MVV	RM
	PCB 91 (BZ)	30:23	30:25	-2	20725	12530	4400	3298	1.65	ABB/ABB	
	PCB 84 (BZ)	30:43	30:42	1	13738	6788	2775	1292	2.02 *	ABB/ABB	R
	PCB 92 (BZ)	31:48	31:52	-4	125069	77046	27042	15129	1.62	ABB/ABB	M
	PCB 113 (BZ)	32:23	32:24	-1	742729	464891	149904	99328	1.60	ABV/ABV	
	PCB 83 (BZ)	32:56	32:59	-3	709918	439426	141542	86972	1.62	ABB/ABB	

Notes:
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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AA	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jq.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99549	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	09/28/07 15:55	Matrix	BIOLOGIC	Date Sampled	09/11/07
Anal Exp Date	09/20/08	Initial Wt/Vol	9.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	PCB 109 (BZ)/108 (IUPAC	33:25	33:29	-4	25938	17329	6737	4286	1.50	ABV/ABV	M
	PCB 86 (BZ)	33:31	33:33	-2	65275	44665	13124	9215	1.46	AVV/AVV	M
	PCB 125 (BZ)	33:40	33:40	0	195132	121383	37741	22030	1.61	AVB/AVB	
	PCB 82 (BZ)	34:48	34:51	-3	7835	3991	1187	1050	1.96 *	ABB/ABB	R
	PCB 111 (BZ)	34:57	35:05	-8	3596	1066	669	326	3.37 *	MBB/ABB	RM
	PCB 120 (BZ)	35:26	35:33	-7	6997	4815	1846	962	1.45	MVB/MVB	M
	PCB 108 (BZ)/107 (IUPAC	36:40	36:45	-5	31627	21582	6003	4174	1.47	ABV/ABV	M
	PCB 107 (BZ)/109 (IUPAC	36:55	36:59	-4	144469	91820	28117	18798	1.57	AVV/AVV	M
	PCB 123 (BZ)	37:01	37:05	-4	22163	15295	5138	3875	1.45	AVB/AVB	DM
	PCB 118 (BZ)	37:22	37:26	-4	2335885	1462425	449138	277815	1.60	ABV/ABV	M
	PCB 114 (BZ)	37:55	37:58	-3	56207	32707	8208	5034	1.72	AVV/AVV	
	PCB 105 (BZ)	38:39	38:41	-2	757605	466204	143665	86938	1.63	ABB/ABB	
	PCB 127 (BZ)	39:59	40:04	-5	3678	3482	899	638	1.06 *	MVV/MVV	RM
	PCB 126 (BZ)	41:42	41:43	-1	5173	3209	1577	965	1.61	MBV/MBV	
338					337.9207	339.9178	337.9207	339.9178	1.32-1.78		
	Noise	00:00	00:00	0	163	148	65	59	1.10 *	/	
	13C12-PCB 104	26:30	26:31	-1	773040	472519	168668	106912	1.64	ABV/ABV	
	13C12-PCB 101	32:22	32:24	-2	840531	517311	170058	104014	1.62	ABV/ABV	
	13C12-PCB 111	34:58	35:03	-5	841419	515167	169571	102057	1.63	ABV/ABV	M
	13C12-PCB 123	37:00	37:05	-5	901111	565180	172752	106783	1.59	ABV/ABV	M
	13C12-PCB 118	37:20	37:24	-4	983406	606436	181774	113326	1.62	AVV/AVV	M
	13C12-PCB 114	37:53	37:56	-3	904640	568105	167234	111262	1.59	AVV/AVV	
	13C12-PCB 105	38:38	38:39	-1	890975	563078	166057	100433	1.58	ABV/ABV	
	13C12-PCB 127	39:58	40:02	-4	1286137	801935	231734	148224	1.60	AVV/ABV	M
	13C12-PCB 126	41:41	41:42	-1	880683	555148	156473	96152	1.59	ABV/ABV	
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	Noise	00:00	00:00	0	203	160	81	64	1.27	/	
	PCB 136 (BZ)	33:02	33:04	-2	28800	20534	6017	4554	1.40	ABB/ABB	
	PCB 151 (BZ)	35:16	35:21	-5	116730	89195	23509	18618	1.31	MBV/ABV	M
	PCB 135 (BZ)	35:23	35:26	-3	23877	27726	5483	4603	0.86 *	MVV/AVB	RM
	PCB 144 (BZ)	35:50	35:55	-5	11790	10808	2244	2071	1.09	ABB/ABB	M
	PCB 147 (BZ)	36:12	36:16	-4	109198	88127	19892	16468	1.24	ABV/ABB	
	PCB 134 (BZ)	36:28	36:31	-3	10258	9444	1985	1974	1.09	AVB/ABB	
	PCB 139 (BZ)	36:45	36:50	-5	31753	24264	6242	3997	1.31	ABB/ABB	M
	PCB 131 (BZ)	37:03	37:06	-3	2963	1965	493	484	1.51 *	ABB/MVV	RT
	PCB 132 (BZ)	37:34	37:38	-4	33890	27448	6785	5776	1.23	ABB/ABB	M
	PCB 133 (BZ)	37:53	38:00	-7	26389	20248	5920	4007	1.30	ABB/ABB	M
	PCB 146 (BZ)	38:31	38:37	-6	293445	227401	59025	44429	1.29	ABV/ABB	M
	PCB 153 (BZ)	39:07	39:15	-8	2550594	2037946	509563	412062	1.25	ABV/ABV	M
	PCB 141 (BZ)	39:24	39:29	-5	117627	90479	22922	17295	1.30	AVB/AVB	M
	PCB 130 (BZ)	39:50	39:55	-5	45410	34932	9462	7037	1.30	ABV/ABV	M
	PCB 137 (BZ)	40:01	40:06	-5	70680	58480	12960	12996	1.21	AVV/AVV	M
	PCB 164 (BZ)	40:12	40:15	-3	52571	42957	10548	8343	1.22	AVB/AVB	
	PCB 138 (BZ)	40:28	40:33	-5	2283790	1846978	439114	351464	1.24	ABV/ABV	M

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STL - Knoxville

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Workorder	J64JQ1AA	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jq.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99549	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	09/28/07 15:55	Matrix	BIOLOGIC	Date Sampled	09/11/07
Anal Exp Date	09/20/08	Initial Wt/Vol	9.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	PCB 158 (BZ)	40:50	40:54	-4	237681	187024	46529	34427	1.27	AVB/AVB	M
	PCB 166 (BZ)	41:41	41:45	-4	17869	14726	3930	3323	1.21	ABV/ABV	M
	PCB 128 (BZ)	41:50	41:52	-2	333170	259477	58126	48570	1.28	AVB/AVB	
	PCB 159 (BZ)	42:40	42:45	-5	2135	2310	576	467	0.92 *	MVV/MBB	RM
	PCB 162 (BZ)	42:57	43:02	-5	10977	10442	1991	1766	1.05	MBV/ABV	M
	PCB 167 (BZ)	43:25	43:32	-7	60007	51193	11311	9884	1.17	ABB/ABB	M
	PCB 156 (BZ)	44:38	44:42	-4	243434	192345	35243	28669	1.27	ABV/AVV	D
	PCB 169 (BZ)	47:56	47:56	0	2049	1690	358	401	1.21	MVV/MVV	T
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	Noise	00:00	00:00	0	158	128	63	51	1.24	/	
	13C12-PCB 155	31:58	32:05	-7	735865	580149	152701	121234	1.27	ABV/ABV	M
	13C12-PCB 138	40:26	40:31	-5	916632	707788	181424	137584	1.30	ABV/ABV	M
	13C12-PCB 167	43:24	43:29	-5	734550	562935	138026	108961	1.30	AVV/ABV	M
	13C12-PCB 156	44:42	44:39	3	1579448	1233504	157882	127053	1.28	AVV/AVV	
	13C12-PCB 169	47:58	47:55	3	577140	431805	104156	76770	1.34	ABV/ABV	
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	Noise	00:00	00:00	0	145	158	58	63	0.92	/	
	PCB 179 (BZ)	38:13	38:19	-6	31816	29129	6451	5923	1.09	ABB/ABB	M
	PCB 176 (BZ)	39:03	39:11	-8	1512	2231	389	627	0.68 *	ABB/ABB	RM
	PCB 178 (BZ)	40:50	40:57	-7	49890	46545	10204	8813	1.07	ABB/ABB	M
	PCB 175 (BZ)	41:26	41:34	-8	3473	3556	676	793	0.98	ABB/ABB	M
	PCB 187 (BZ)	41:42	41:50	-8	294815	278530	57051	56728	1.06	ABV/ABV	M
	PCB 183 (BZ)	42:18	42:27	-9	126722	119104	23618	23455	1.06	ABV/ABV	M
	PCB 185 (BZ)	42:30	42:36	-6	9322	9863	2123	1579	0.95	AVV/AVV	DM
	PCB 174 (BZ)	42:40	42:46	-6	16538	12925	3500	2770	1.28 *	AVB/AVB	RM
	PCB 177 (BZ)	43:07	43:13	-6	32819	32944	7304	5738	1.00	ABB/ABB	M
	PCB 181 (BZ)	43:25	43:33	-8	2636	2389	632	548	1.10	ABB/ABB	M
	PCB 173 (BZ)	43:43	43:49	-6	53821	55549	11058	11971	0.97	ABB/ABB	M
	PCB 172 (BZ)	45:19	45:24	-5	30404	25340	5771	5083	1.20	ABB/ABB	M
	PCB 193 (BZ)	45:58	45:58	0	399822	389905	63699	60575	1.03	ABV/ABV	D
	PCB 191 (BZ)	46:18	46:24	-6	11334	9122	1445	1479	1.24 *	AVV/AVB	RM
	PCB 170 (BZ)	47:22	47:22	0	130650	121842	21385	21124	1.07	ABB/ABB	D
	PCB 190 (BZ)	47:52	47:51	1	64320	59752	10604	10266	1.08	ABB/ABB	D
	PCB 189 (BZ)	50:28	50:25	3	7445	7574	1344	1585	0.98	MBB/ABB	
406					405.8428	407.8398	405.8428	407.8398	0.89-1.21		
	Noise	00:00	00:00	0	145	138	58	55	1.05	/	
	13C12-PCB 188	37:43	37:50	-7	737302	703083	152284	140664	1.05	ABV/ABV	
	13C12-PCB 178	40:47	40:55	-8	482089	472342	95500	91780	1.02	ABV/ABV	
	13C12-PCB 180	45:57	46:00	-3	572901	545351	89443	82569	1.05	ABV/ABV	
	13C12-PCB 170	47:21	47:20	1	339286	318578	47958	48529	1.07	ABV/ABV	
	13C12-PCB 189	50:28	50:23	5	561349	550677	94106	88593	1.02	ABV/ABV	
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	Noise	00:00	00:00	0	105	108	42	43	0.98	/	

Notes:
R - ratio is outside limits M - data changed manually N - Peak not reported S - peak less than 2.5x S/N
T - peaks outside comax limit D - peak outside RT window W - peak outside first/last X - peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AA	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jq.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99549	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	09/28/07 15:55	Matrix	BIOLOGIC	Date Sampled	09/11/07
Anal Exp Date	09/20/08	Initial Wt/Vol	9.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

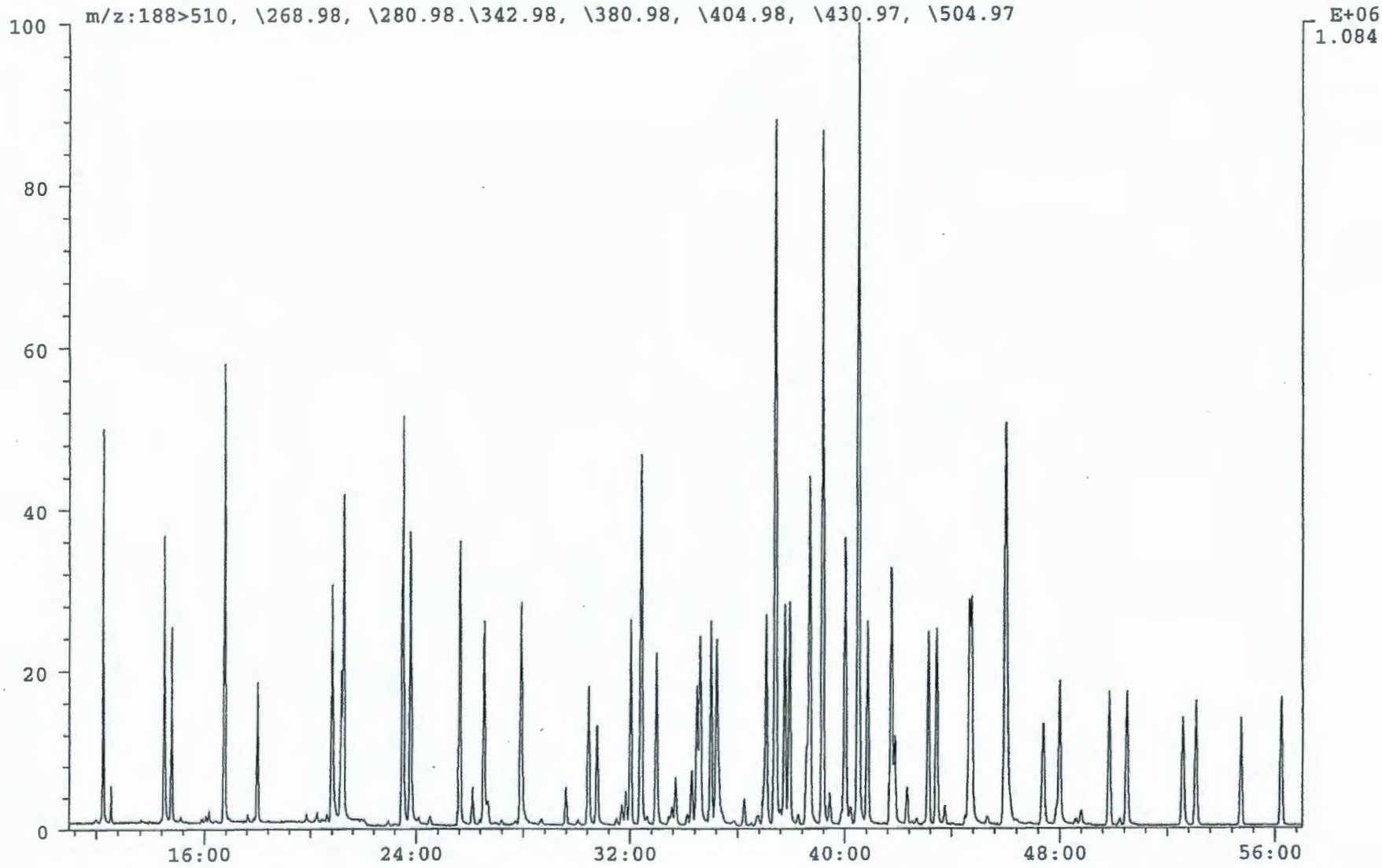
View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	PCB 202 (BZ)	43:08	43:14	-6	26811	27656	5461	5589	0.97	ABB/ABB	M
	PCB 200 (BZ)/201 (IUPAC	44:00	44:10	-10	3970	3402	998	881	1.17 *	ABB/ABB	RM
	PCB 197 (BZ)	44:53	45:02	-9	2196	3108	492	928	0.71 *	ABB/ABB	RM
	PCB 198 (BZ)	47:57	47:55	2	38220	46466	6820	8969	0.82	ABB/ABB	D
	PCB 196 (BZ)	48:34	48:38	-4	18480	18806	3207	3773	0.98	ABV/ABV	M
	PCB 203 (BZ)	48:47	48:48	-1	50645	49626	9567	8941	1.02 *	AVB/AVB	D
	PCB 195 (BZ)	50:13	50:09	4	20804	24524	3562	5109	0.85	ABB/ABB	D
	PCB 194 (BZ)	52:35	52:30	5	43119	44990	7683	7986	0.96	ABB/ABB	M
	PCB 205 (BZ)	53:04	52:58	6	3209	3648	772	800	0.88	ABB/ABB	M
440					439.8038	441.8008	439.8038	441.8008	0.76-1.02		
	Noise	00:00	00:00	0	98	110	39	44	0.89	/	
	13C12-PCB 202	43:06	43:13	-7	567190	612237	110661	120606	0.93	ABV/ABV	D
	13C12-PCB 194	52:33	52:29	4	387895	423839	64051	70751	0.92	ABV/ABV	
	13C12-PCB 205	53:03	52:56	7	444136	492388	78531	87501	0.90	AVB/ABB	
462					461.7246	463.7216	461.7246	463.7216	0.65-0.89		
	Noise	00:00	00:00	0	65	68	26	27	0.96 *	/	
	PCB 208 (BZ)	49:49	49:52	-3	4162	4271	979	740	0.97 *	ABB/ABB	R
	PCB 207 (BZ)	50:46	50:48	-2	2084	1461	480	313	1.43 *	ABB/ABB	R
	PCB 206 (BZ)	54:43	54:40	3	14906	18888	3055	3746	0.79	ABB/ABB	
474					473.7648	475.7619	473.7648	475.7619	0.65-0.89		
	Noise	00:00	00:00	0	105	80	42	32	1.31 *	/	
	13C12-PCB 208	49:48	49:51	-3	419632	530692	74538	93995	0.79	ABV/ABV	
	13C12-PCB 206	54:42	54:39	3	274224	346813	54643	71220	0.79	ABV/ABV	
496					495.6856	497.6826	495.6856	497.6826	0.59-0.79		
	Noise	00:00	00:00	0	85	85	34	34	1.00 *	/	
	PCB 209 (BZ)	56:14	56:15	-1	3846	4824	905	956	0.80 *	ABB/ABB	R
508					507.7258	509.7229	507.7258	509.7229	0.59-0.79		
	Noise	00:00	00:00	0	103	93	41	37	1.11 *	/	
	13C12-PCB 209	56:13	56:14	-1	363003	497164	66327	89262	0.73	ABB/ABV	

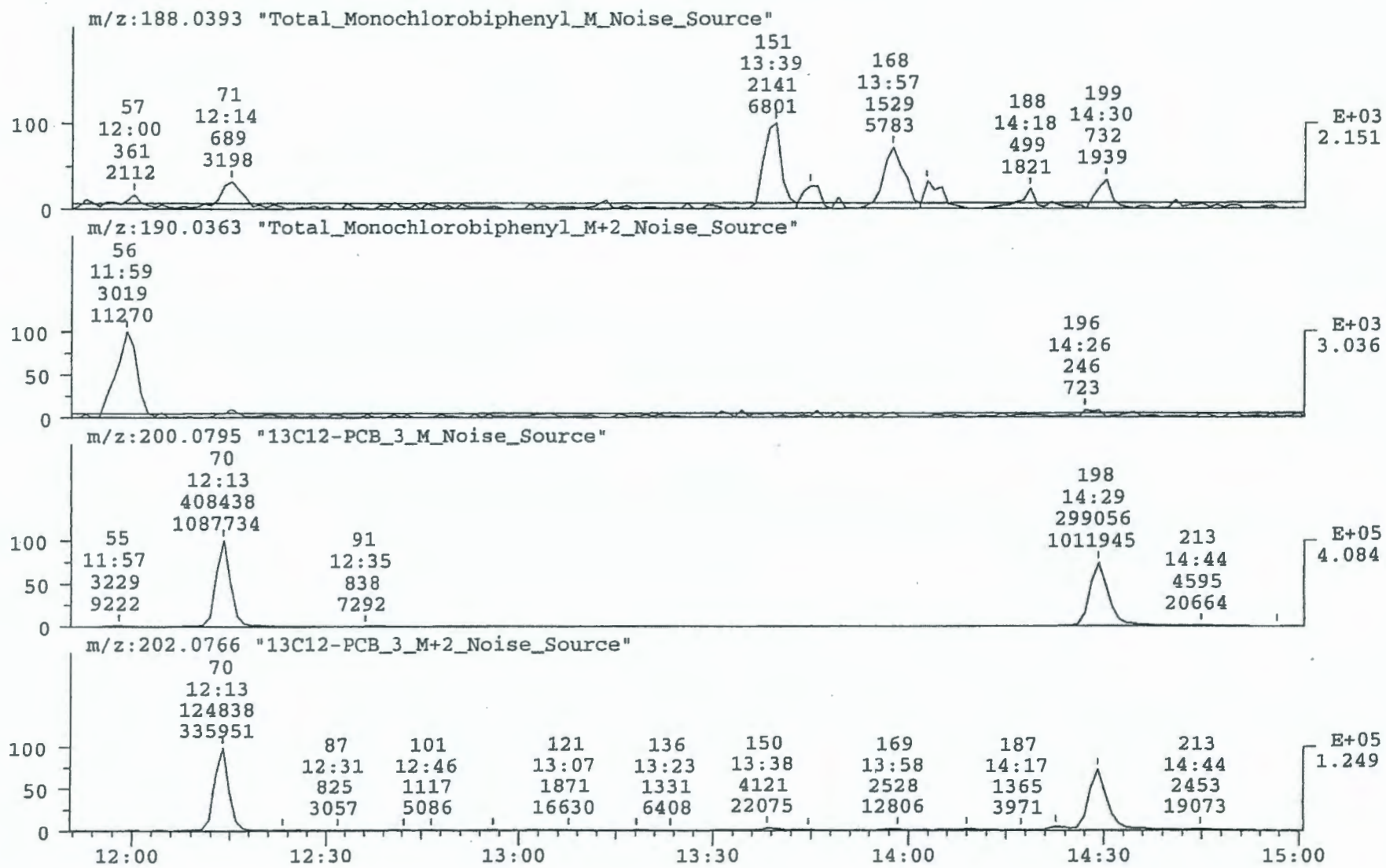
Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside cmax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

CHRO: apj64jq 28-Sep-07 Elapse: 11:00.8 1
Samp: Vial 33 WO=j64jq1aa Meth=IE5 Dil=1 Start : 15:55:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001 Inlet : GC Vial 33
Peak: 100.00 ppm Label wndw: 2 > 2602 Masses: 181 > 510
Area: 5, 0.50, 0 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area

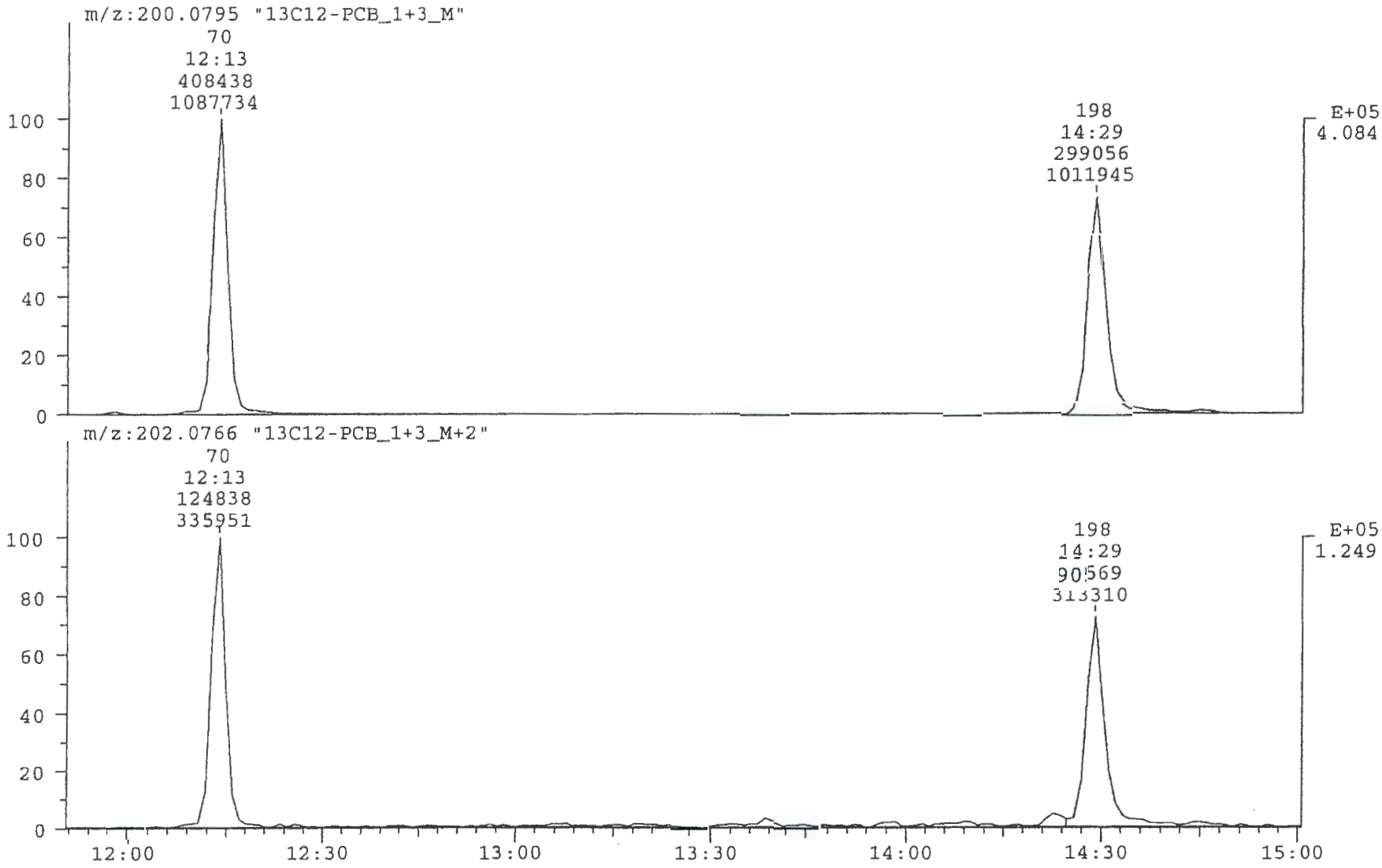
Int 0 (3 10/1/07
Calc: 10/1/07
QC/Peer 3 10/1/07



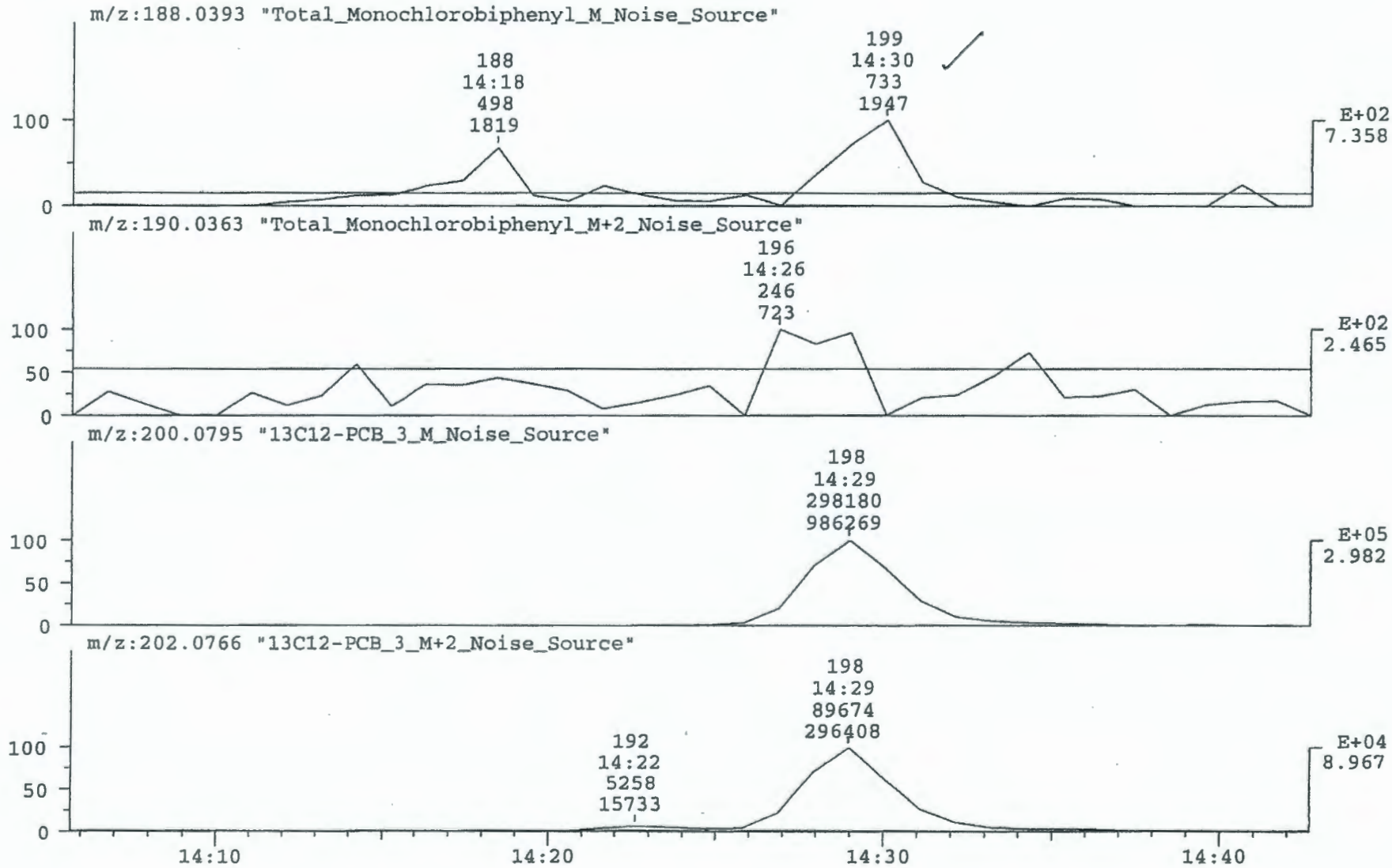
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  13:25.6     138
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   48 > 228           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



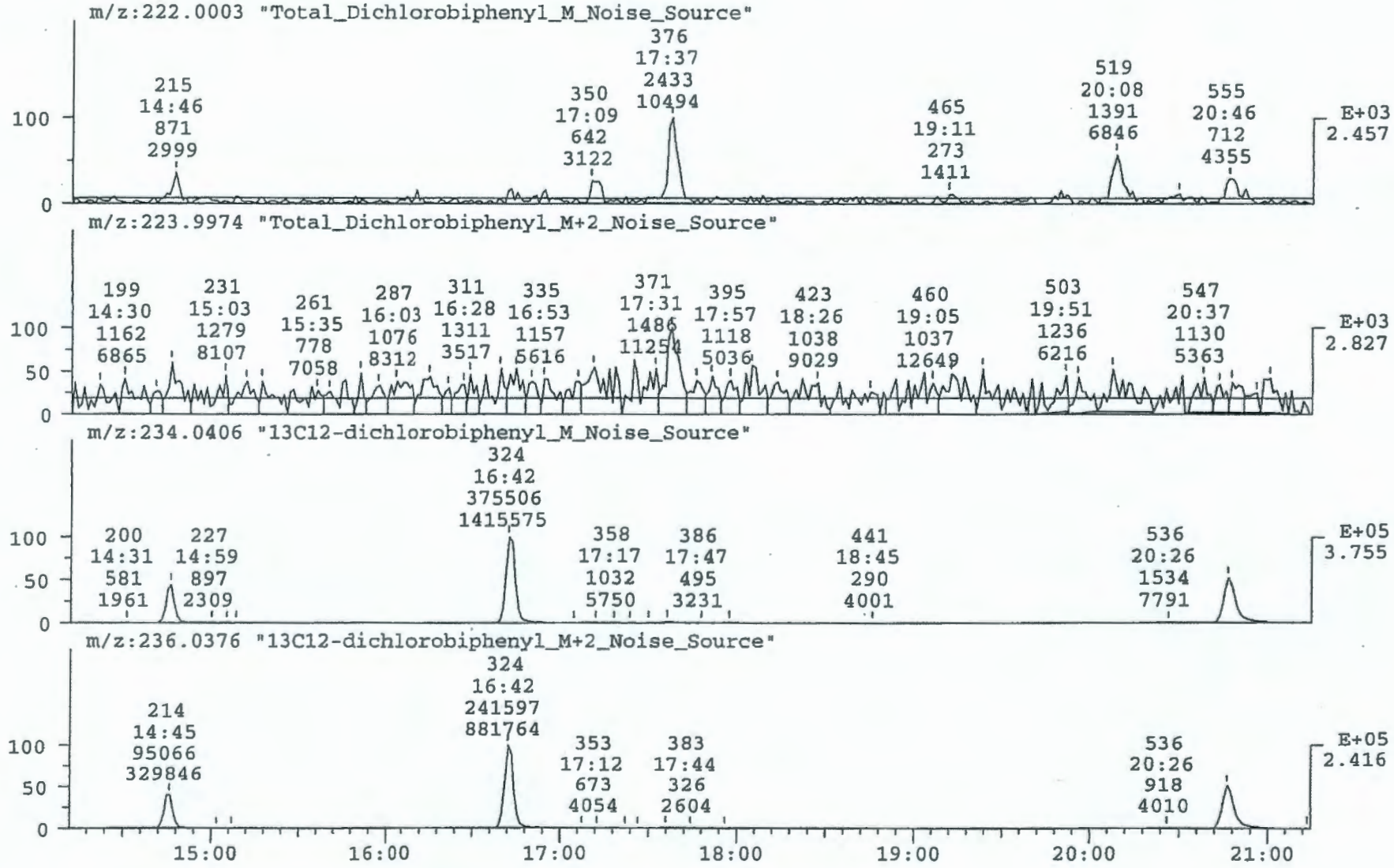
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  13:25.6      138
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   48 > 228            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



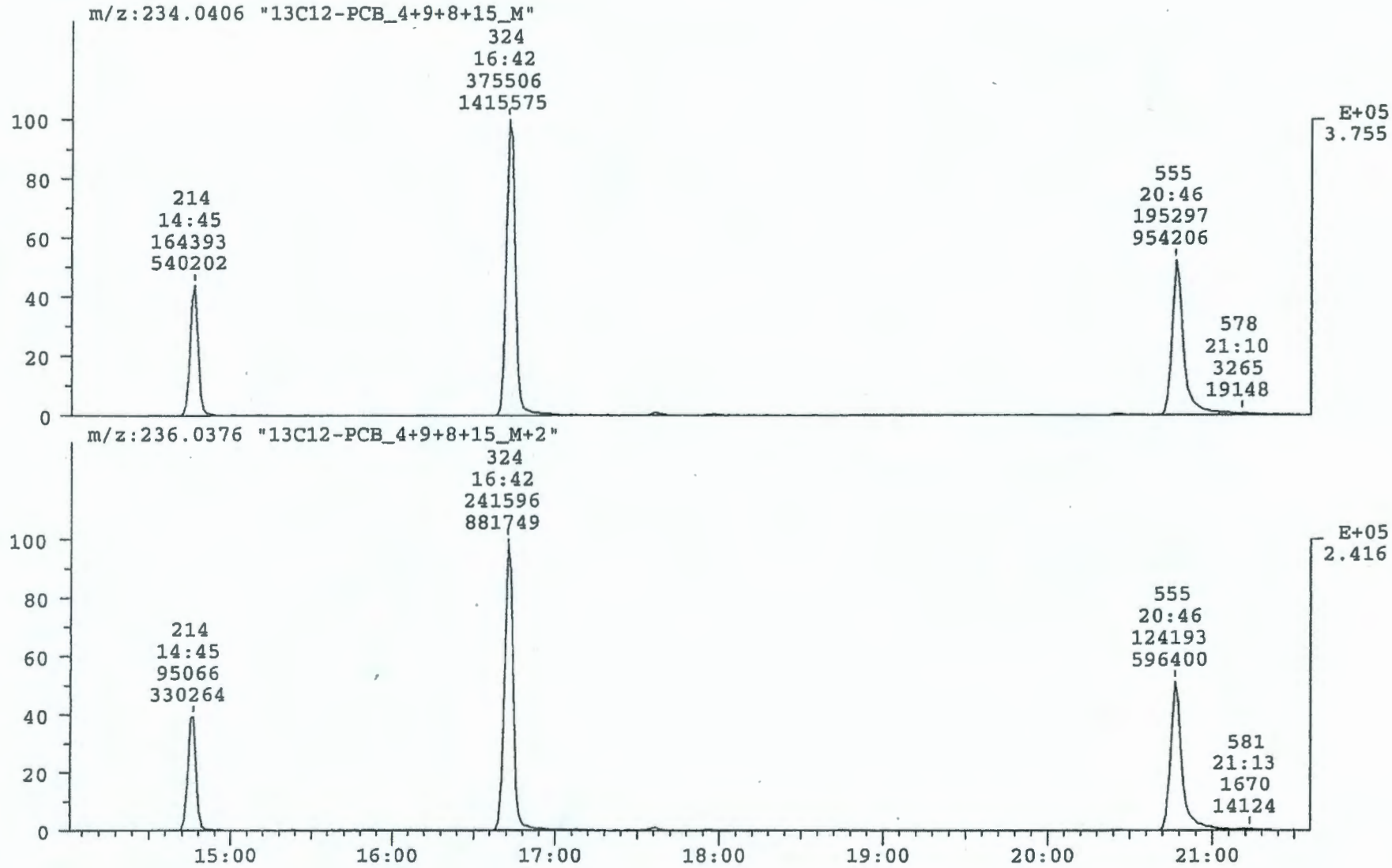
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  47:41      2077
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   176 > 211          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



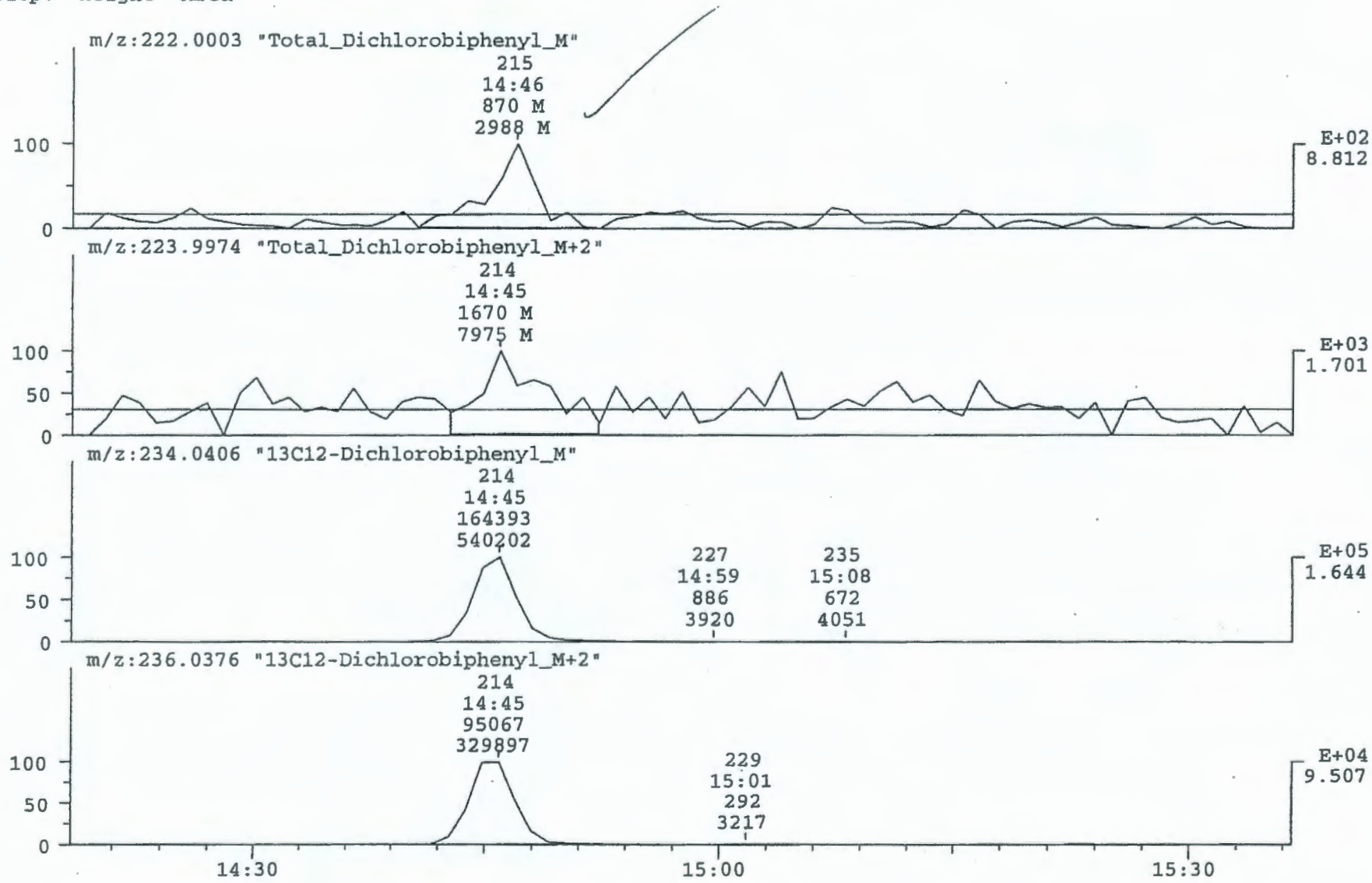
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  17:43.3     382
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   182 > 582          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



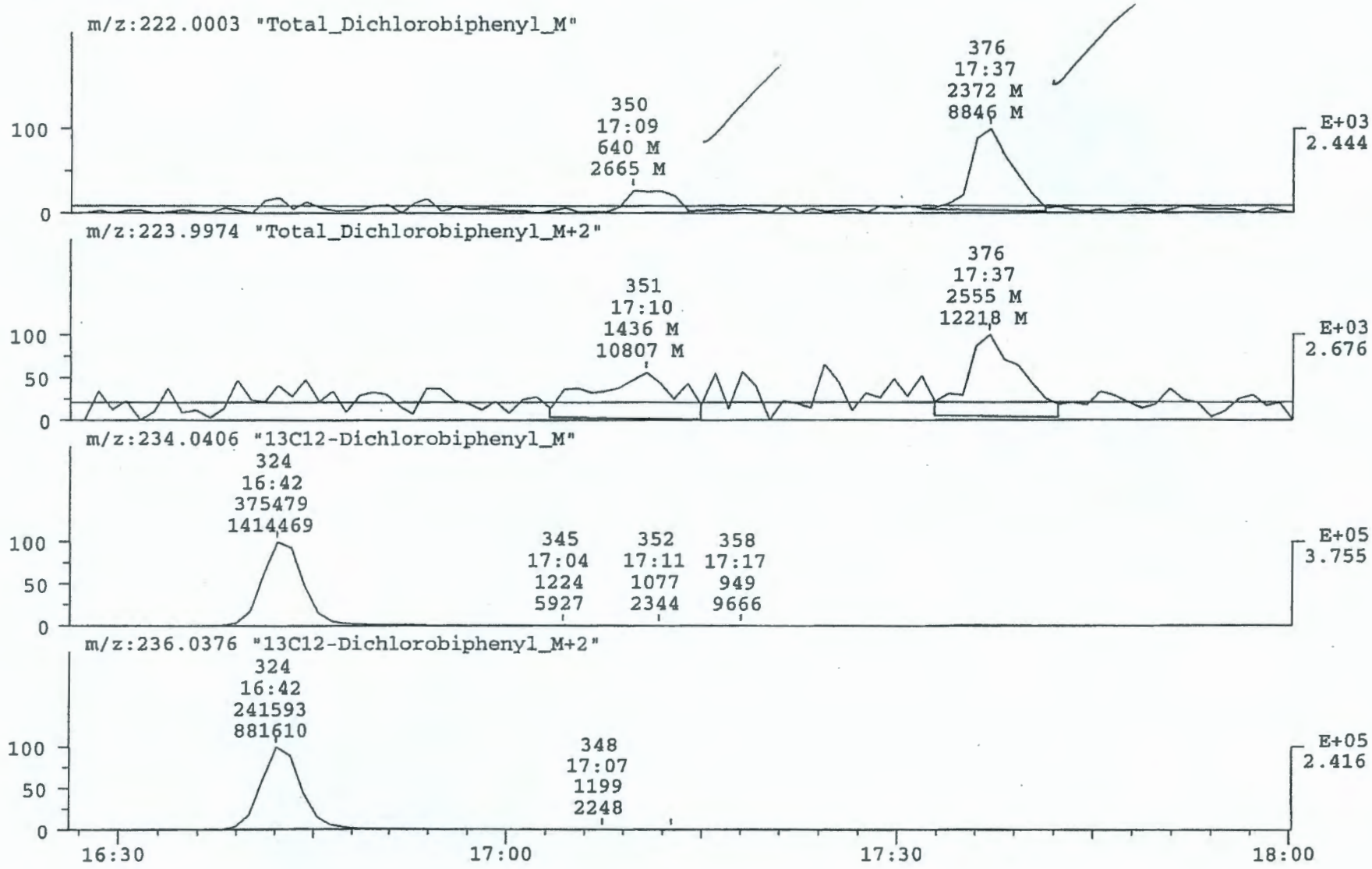
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  17:43.3      382
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   172 > 602          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



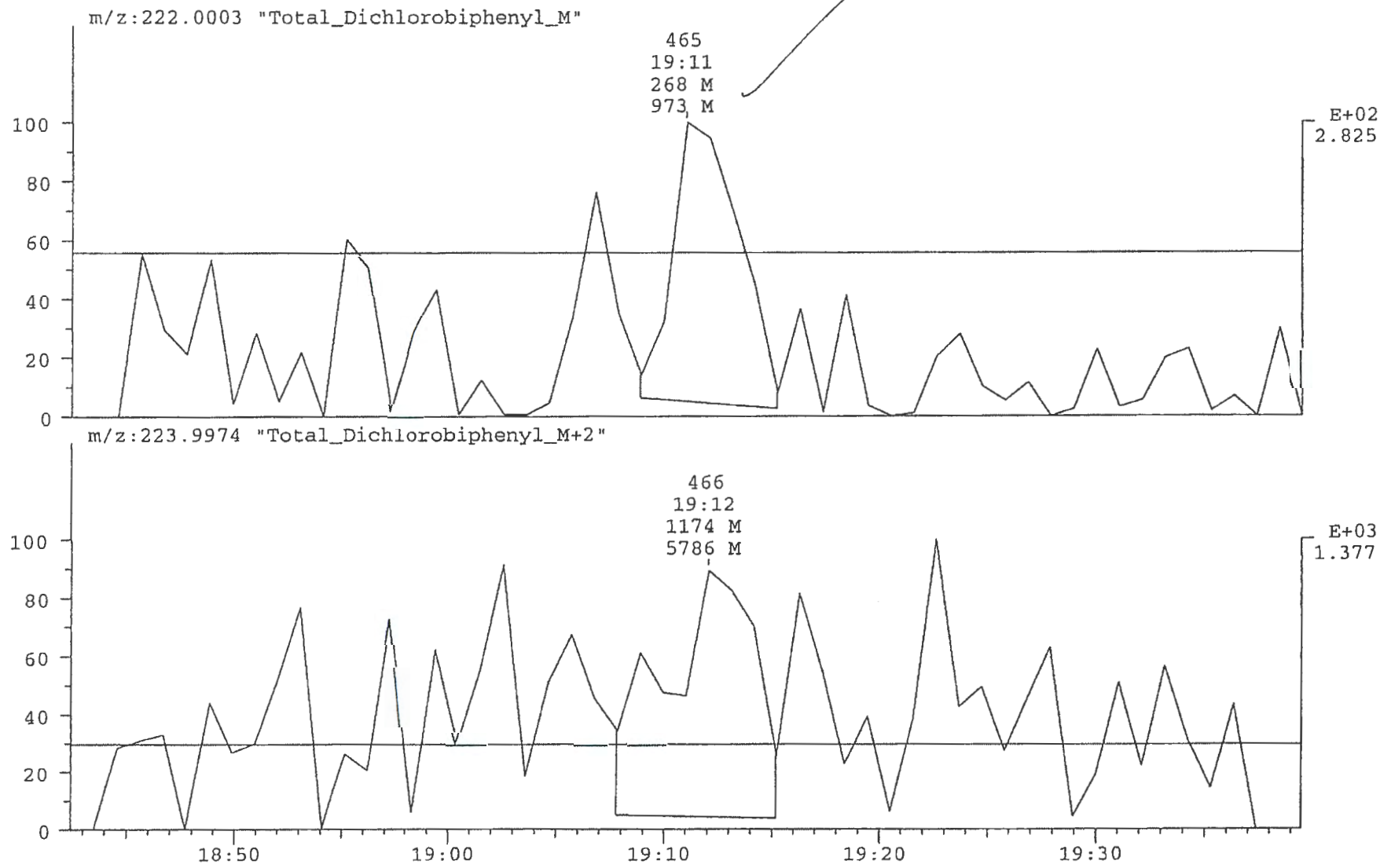
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  47:41      2077
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   188 > 262          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -10, 3.0
Disp:  Height  Area
```



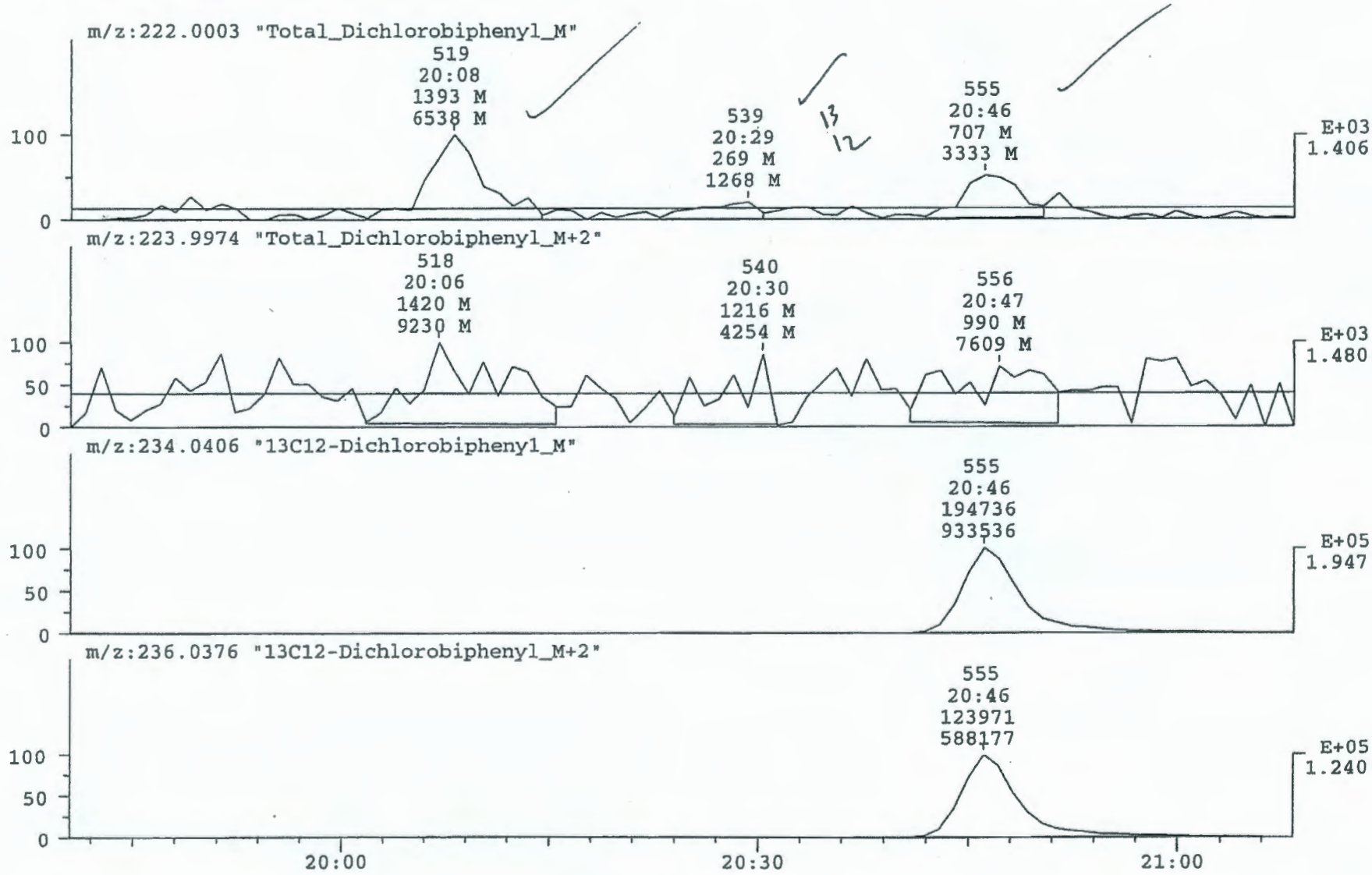
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  47:41      2077
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   309 > 398          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -15, 3.0
Disp:  Height  Area
```



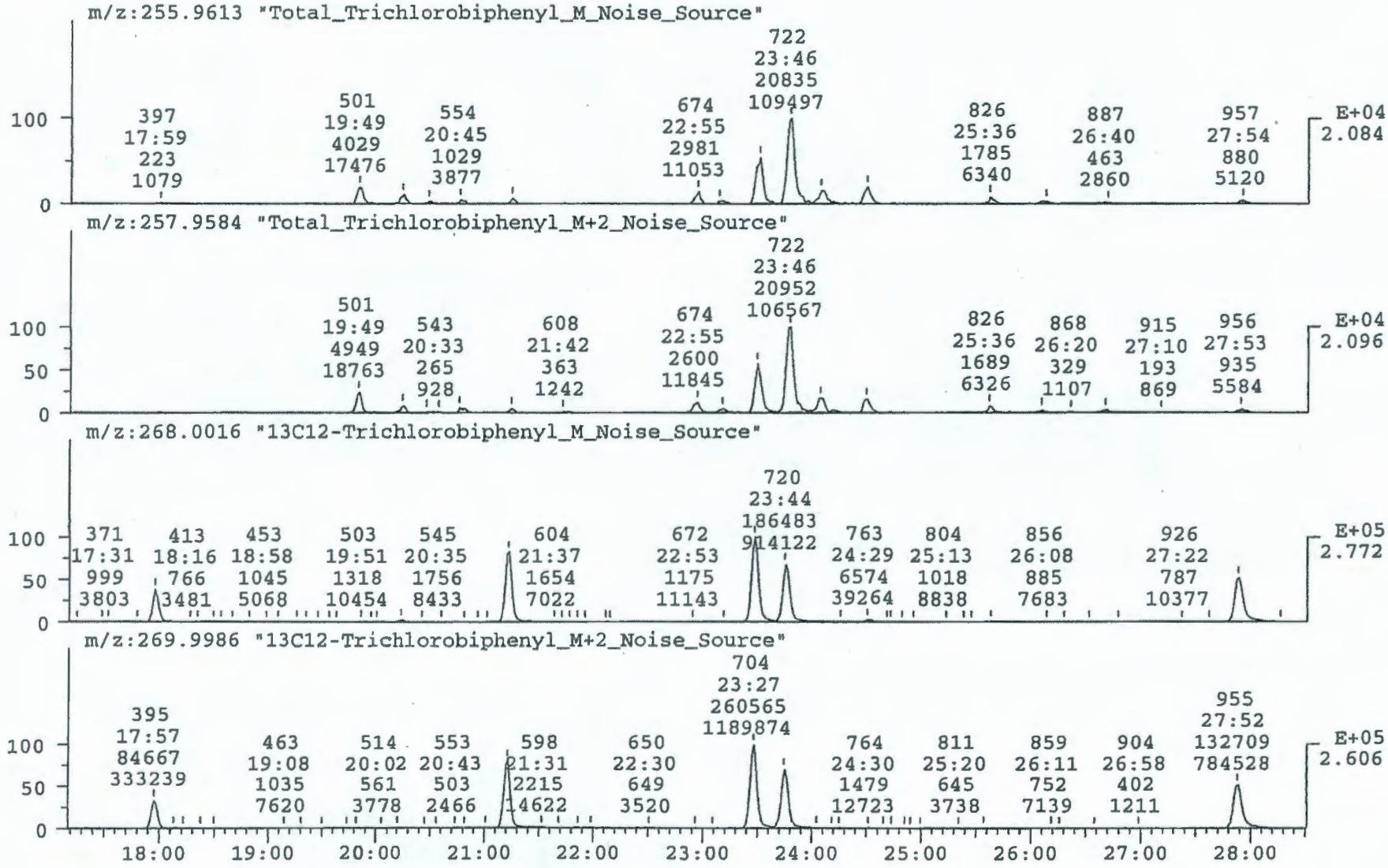
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  47:41      2077
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   438 > 492          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -15, 3.0
Disp:  Height  Area
```



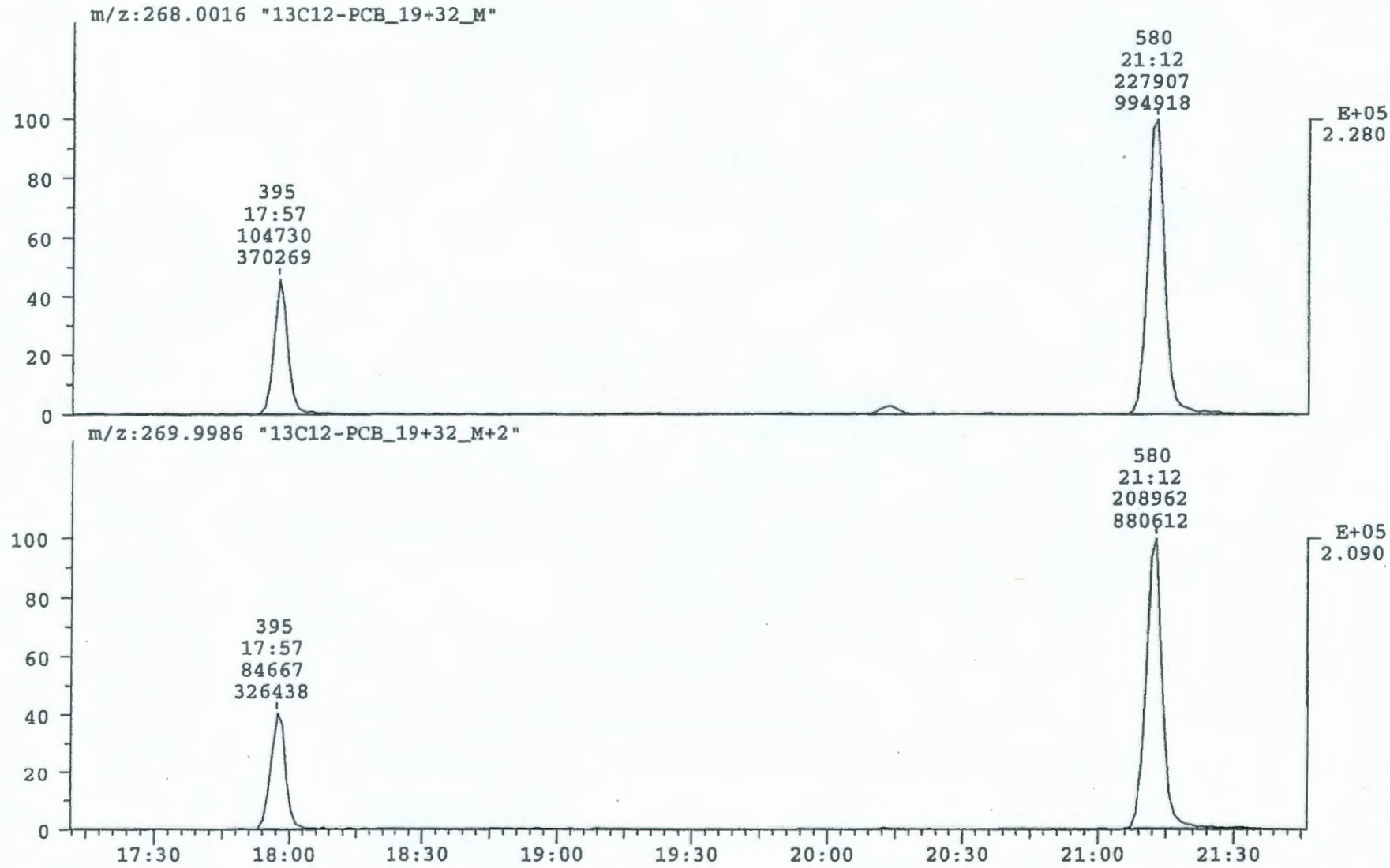
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  47:41      2077
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   493 > 576          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3            Label :  -10, 3.0
Disp:  Height  Area
```



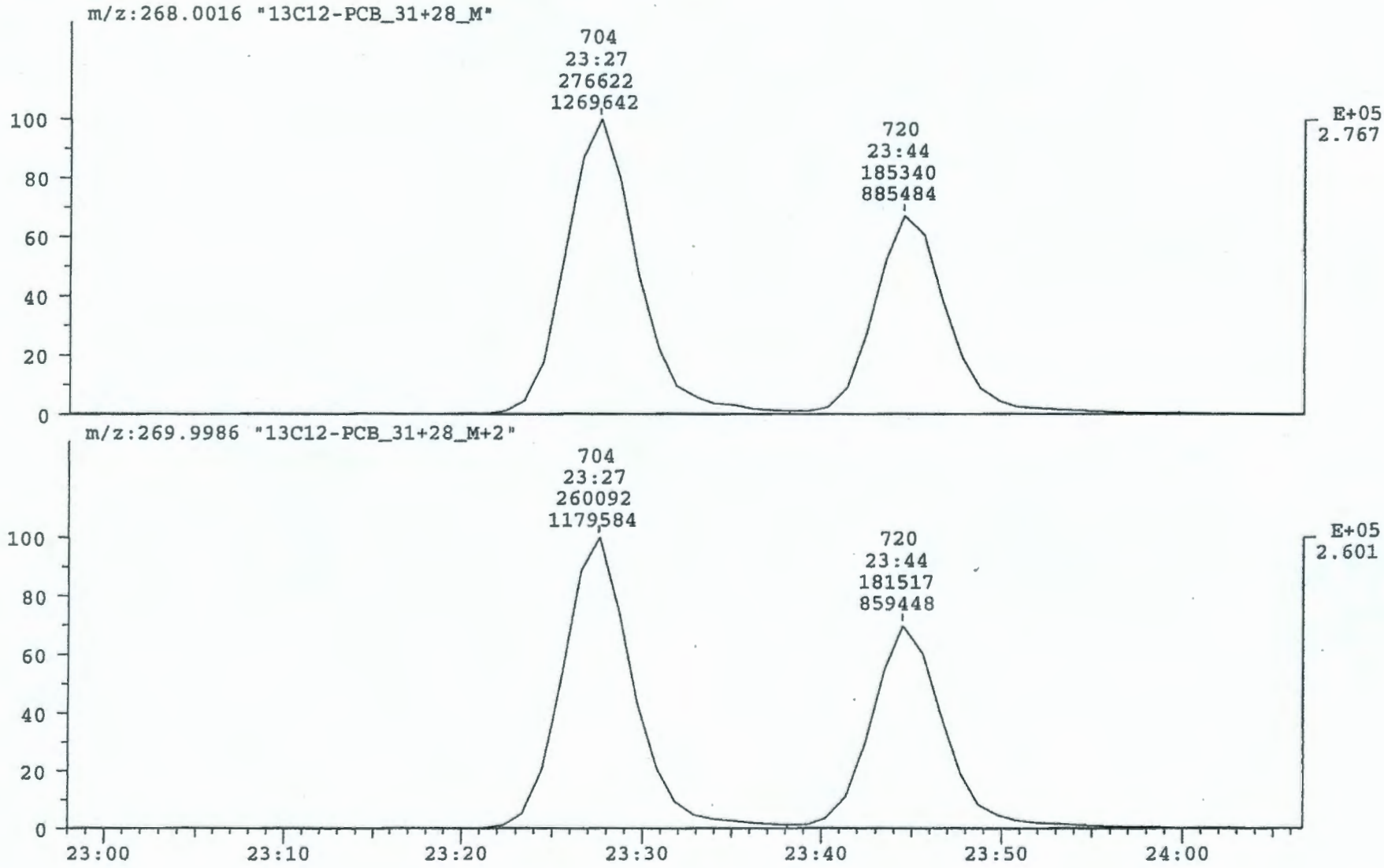
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  22:52.7     671
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=mld/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   351 > 991          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



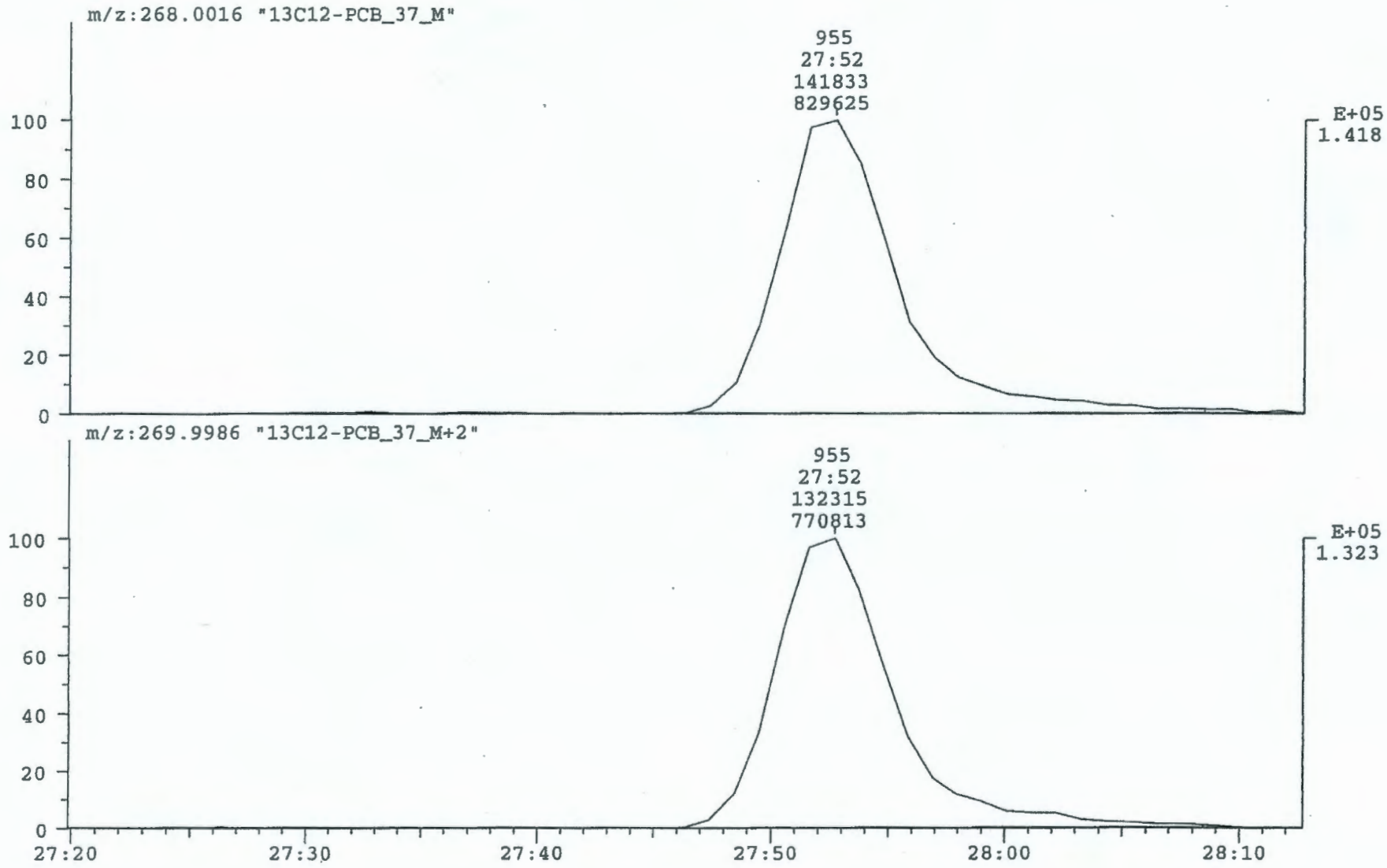
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  19:18.3      472
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   352 > 612          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 1              Label :  -3, 3.0
Disp:  Height  Area
```



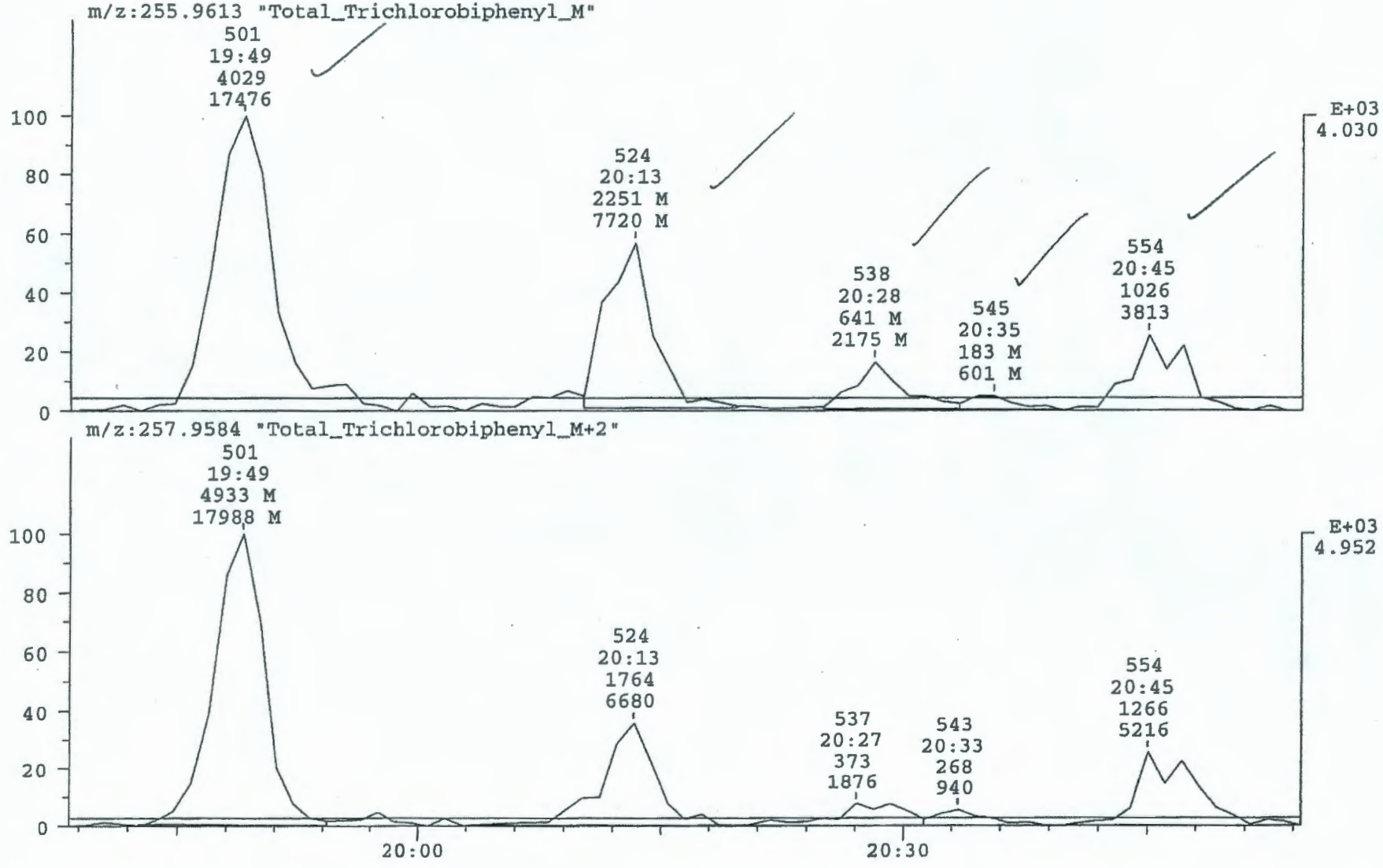
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  23:24.4      701
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   676 > 741          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



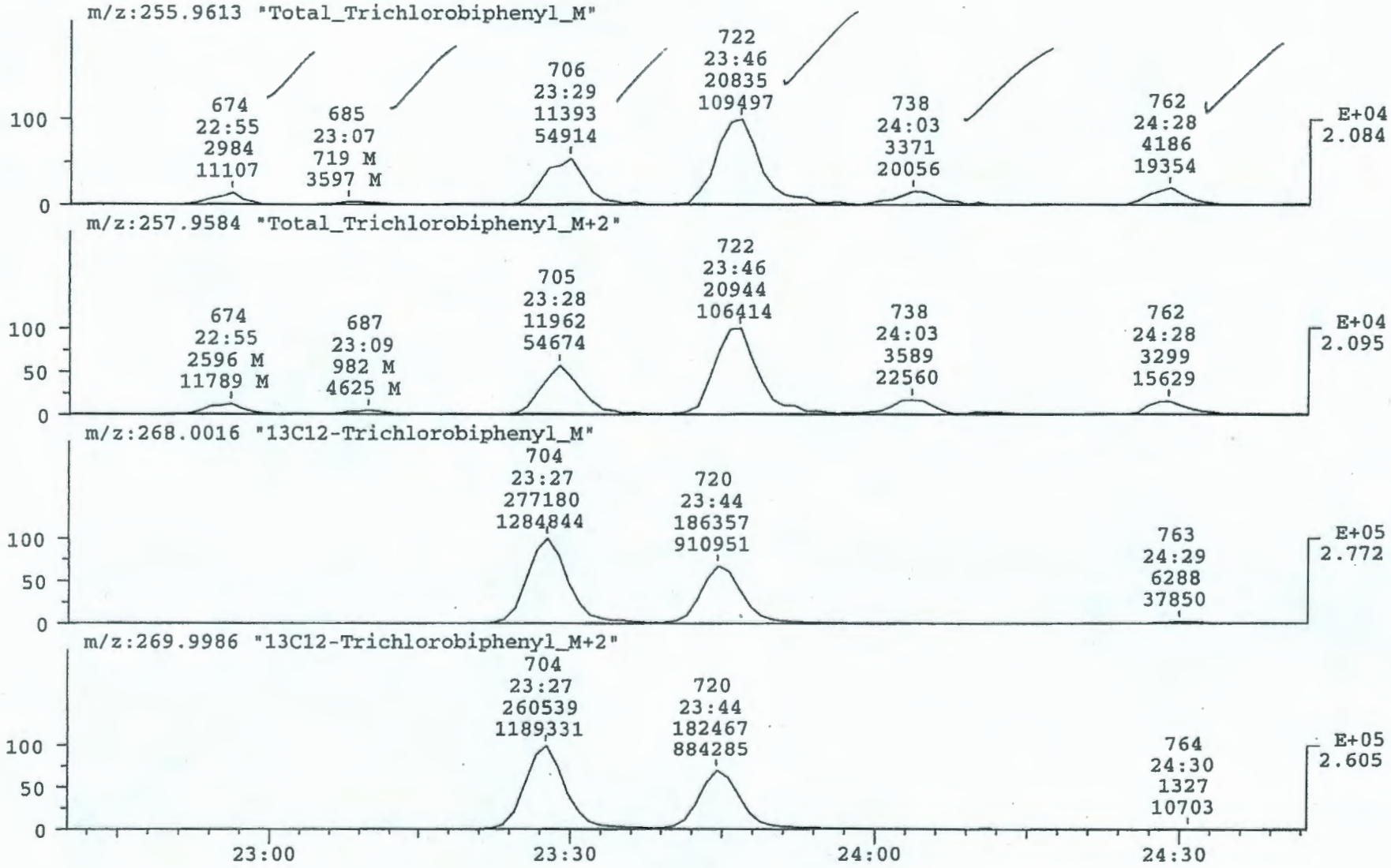
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  27:46.3      949
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC      Vial  33
Peak:  100.00  ppm      Label wndw:   924 > 974          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



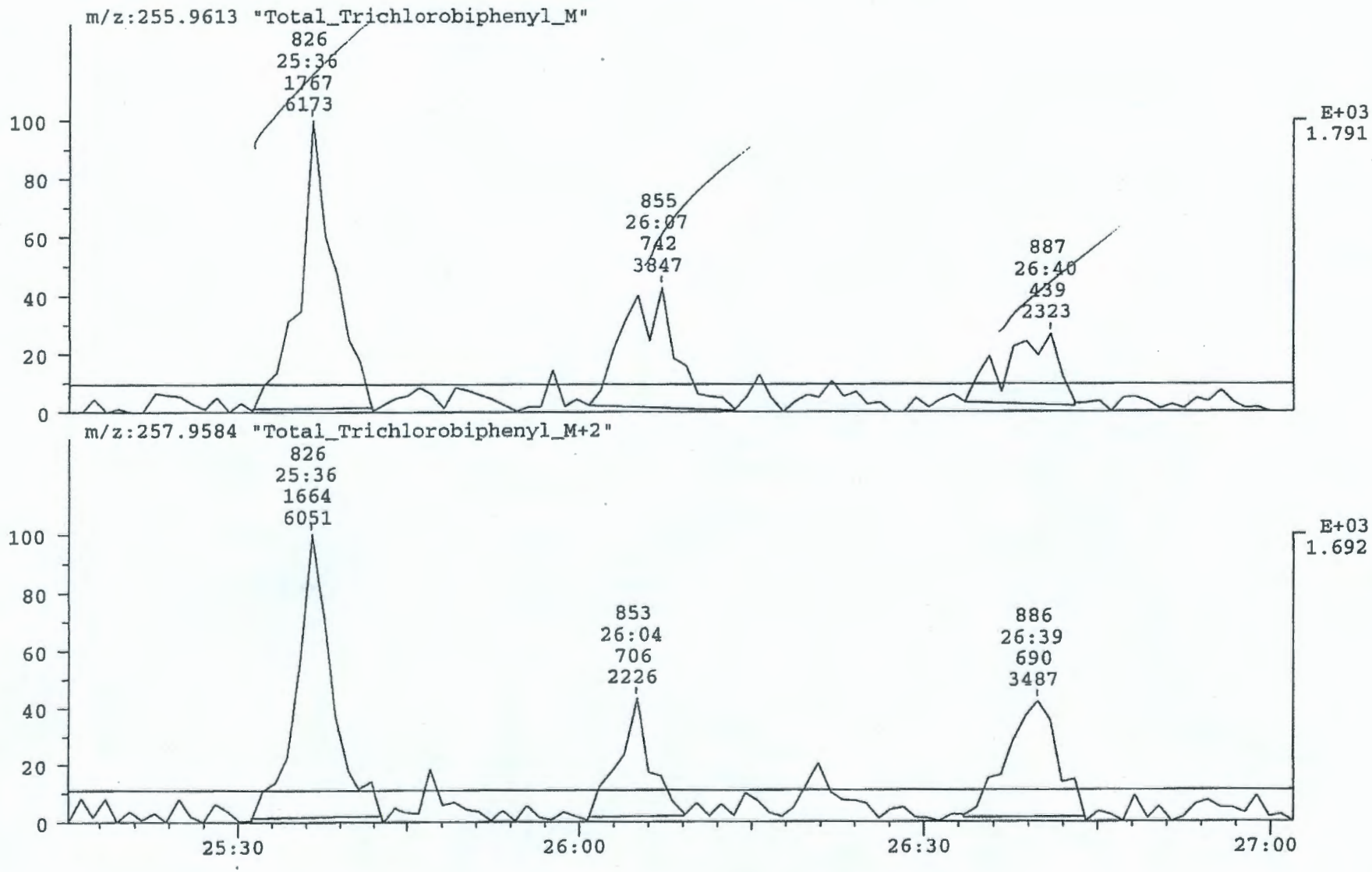
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  47:41      2077
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial 33
Peak:  100.00  ppm      Label wndw:   491 > 563          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



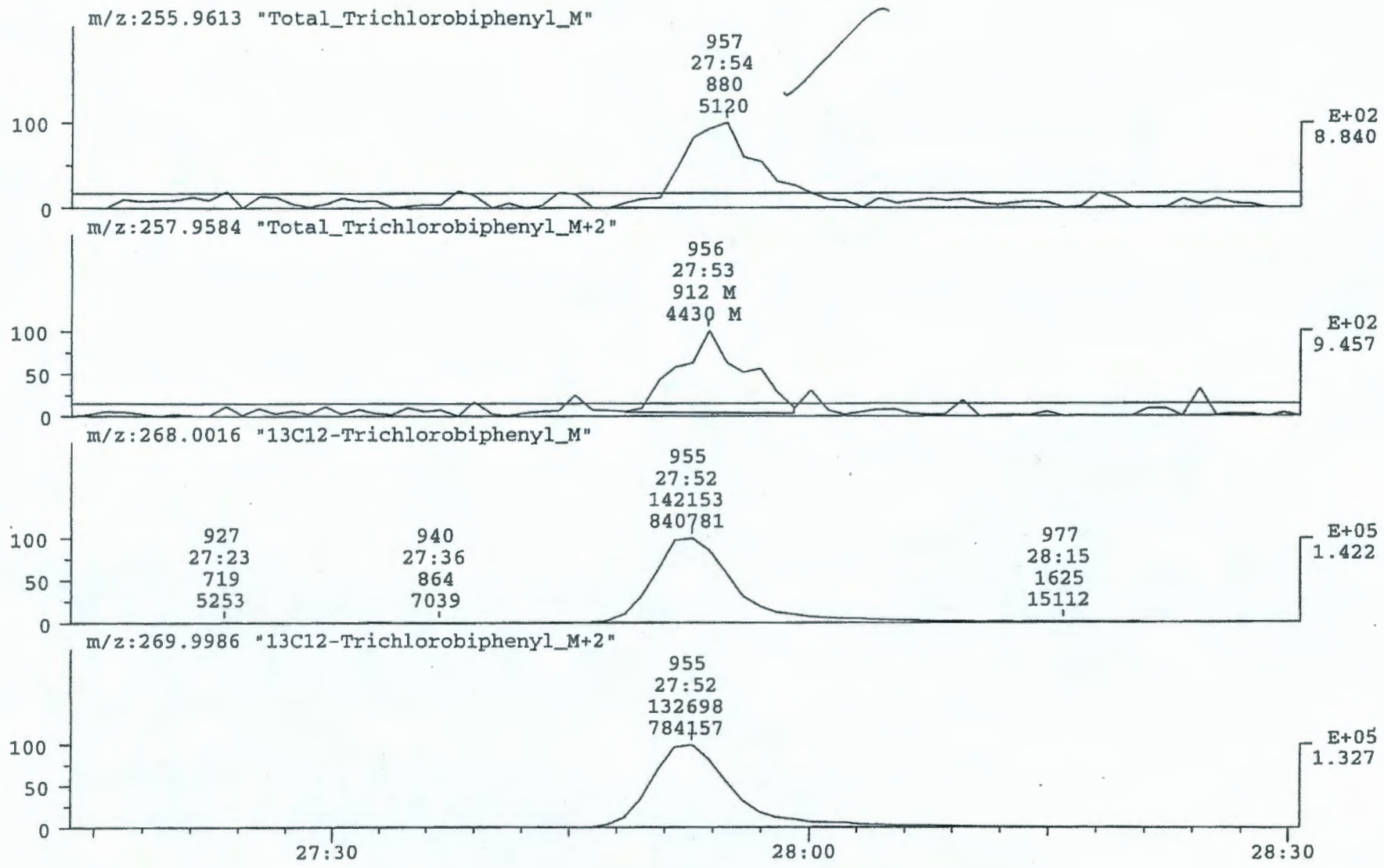
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  47:41      2077
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Cca1=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial 33
Peak:  100.00  ppm      Label wndw:   659 > 775          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 8             Label :  -7, 3.0
Disp:  Height  Area
```



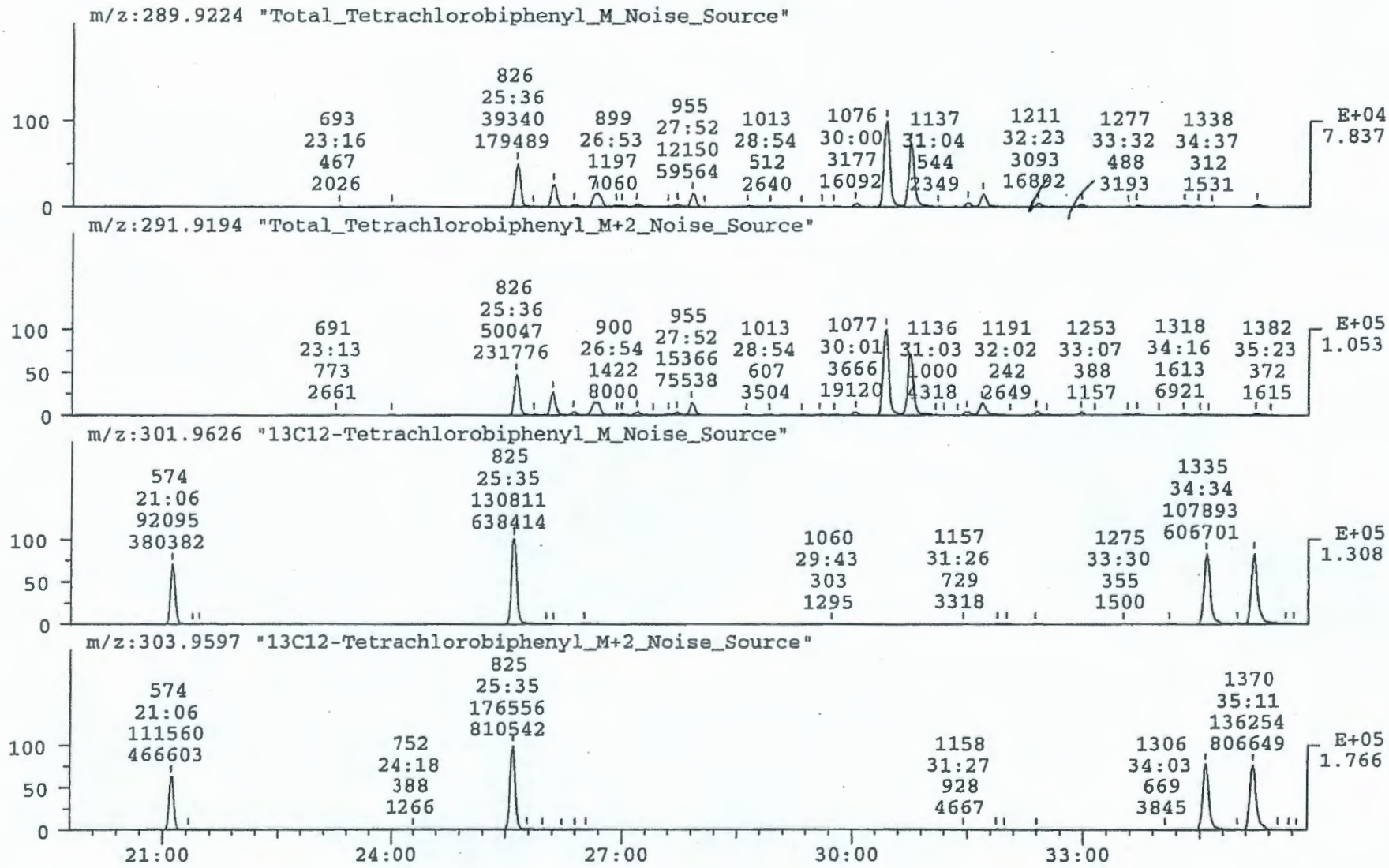
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  47:41      2077
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=mld/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial  33
Peak:  100.00  ppm     Label wndw:   806 > 907           Masses:  181 > 510
Area:  5, 1.00, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



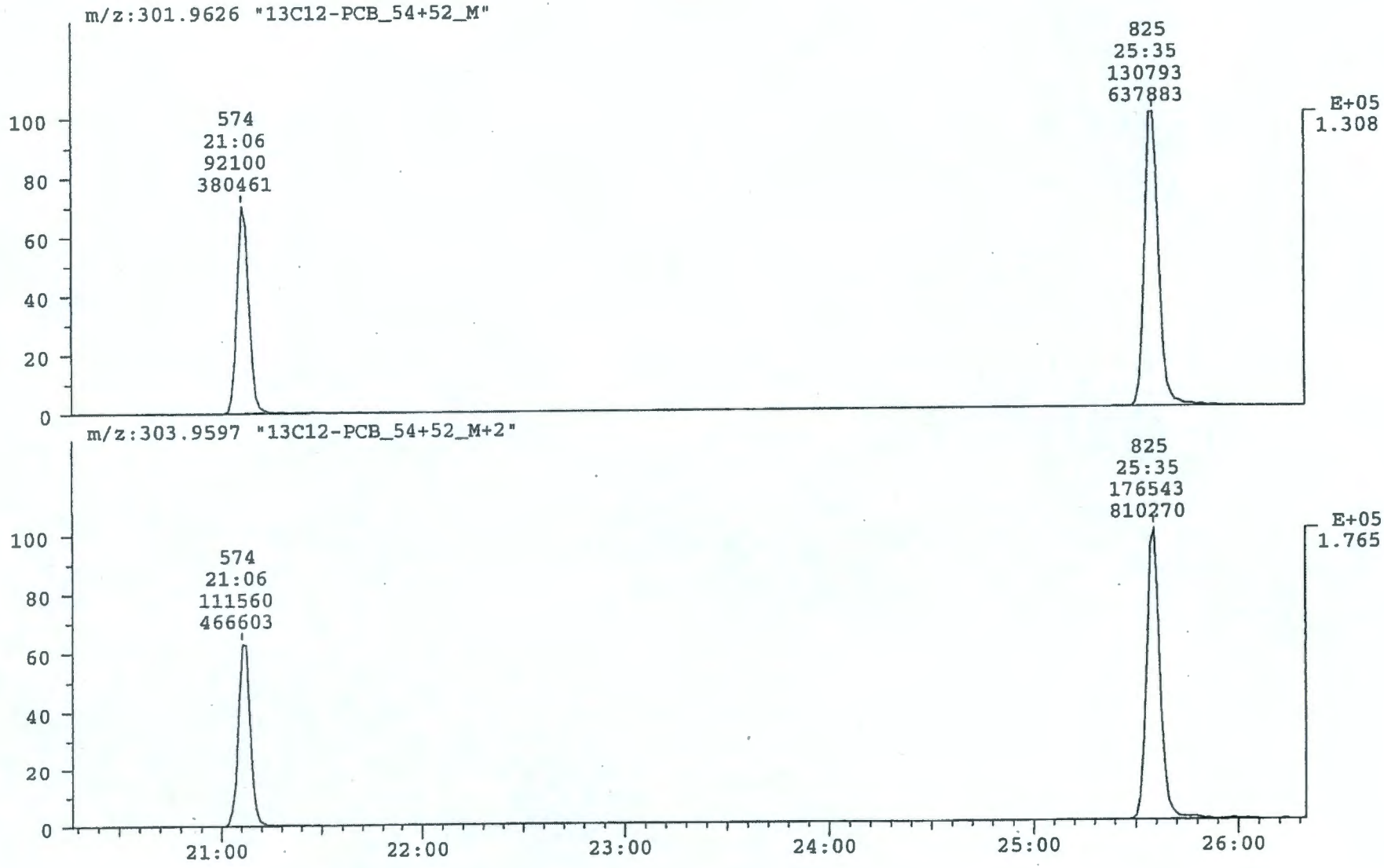
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  47:41      2077
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial 33
Peak:  100.00  ppm    Label wndw:   918 > 991            Masses:  181 > 510
Area:  5, 0.50, 15    Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



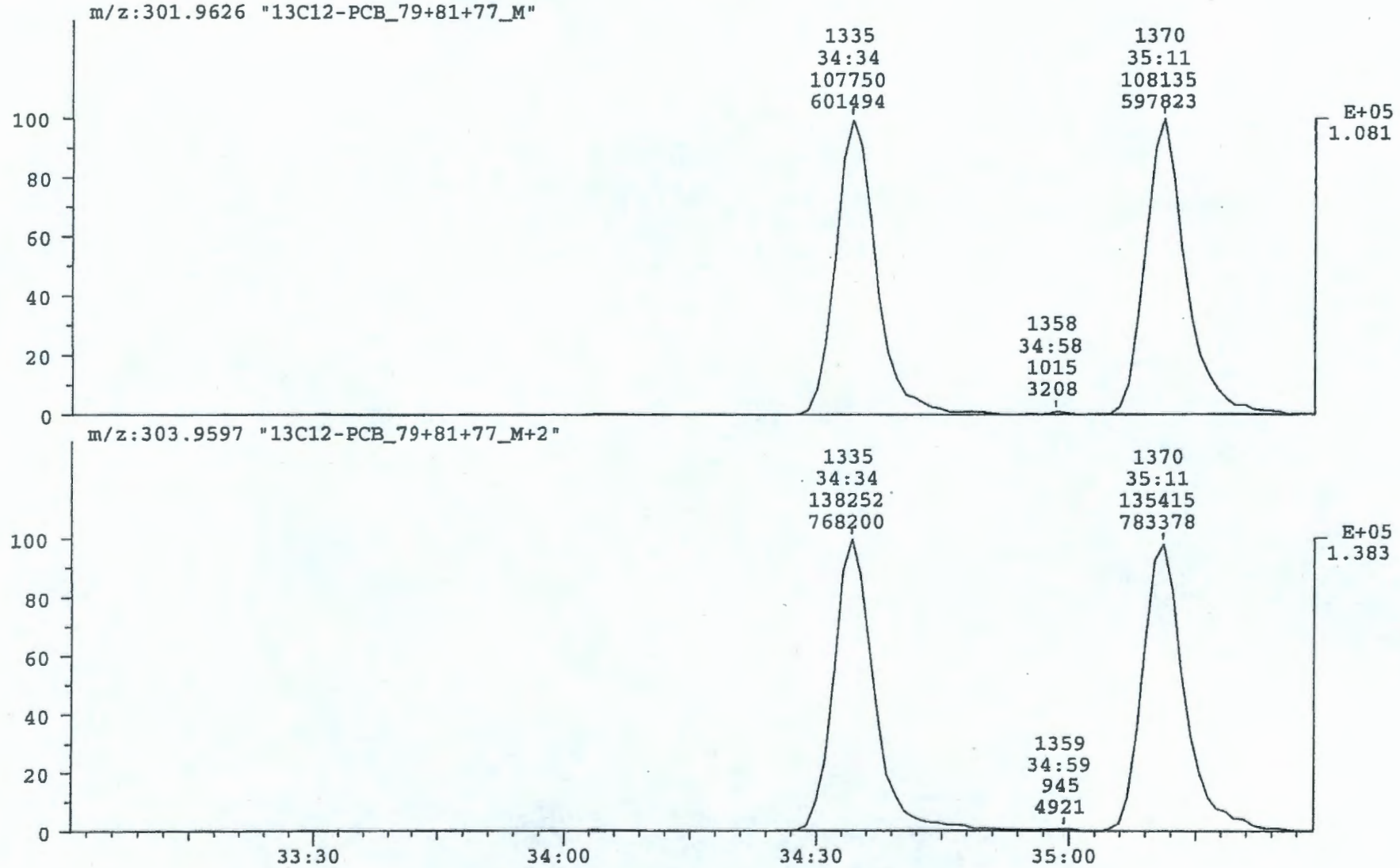
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  27:50.5      953
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC      Vial  33
Peak:  100.00  ppm      Label wndw:   500 > 1411          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



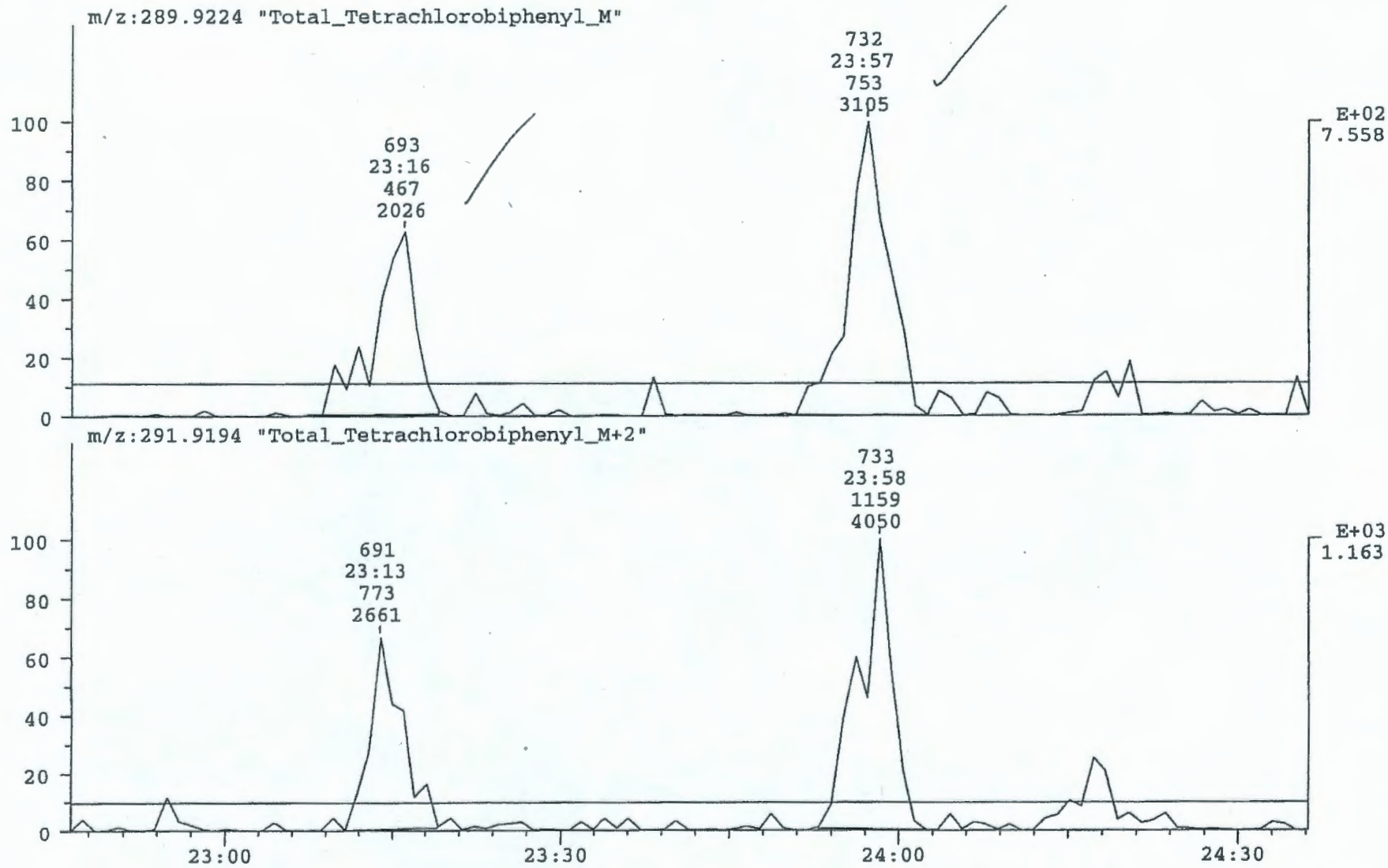
```
CHRO:  apj64jq                                  28-Sep-07   Elapse:  23:20.2      697
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                   Start :  15:55:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001                Inlet :  GC      Vial  33
Peak:  100.00  ppm      Label wndw:   527 > 867             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



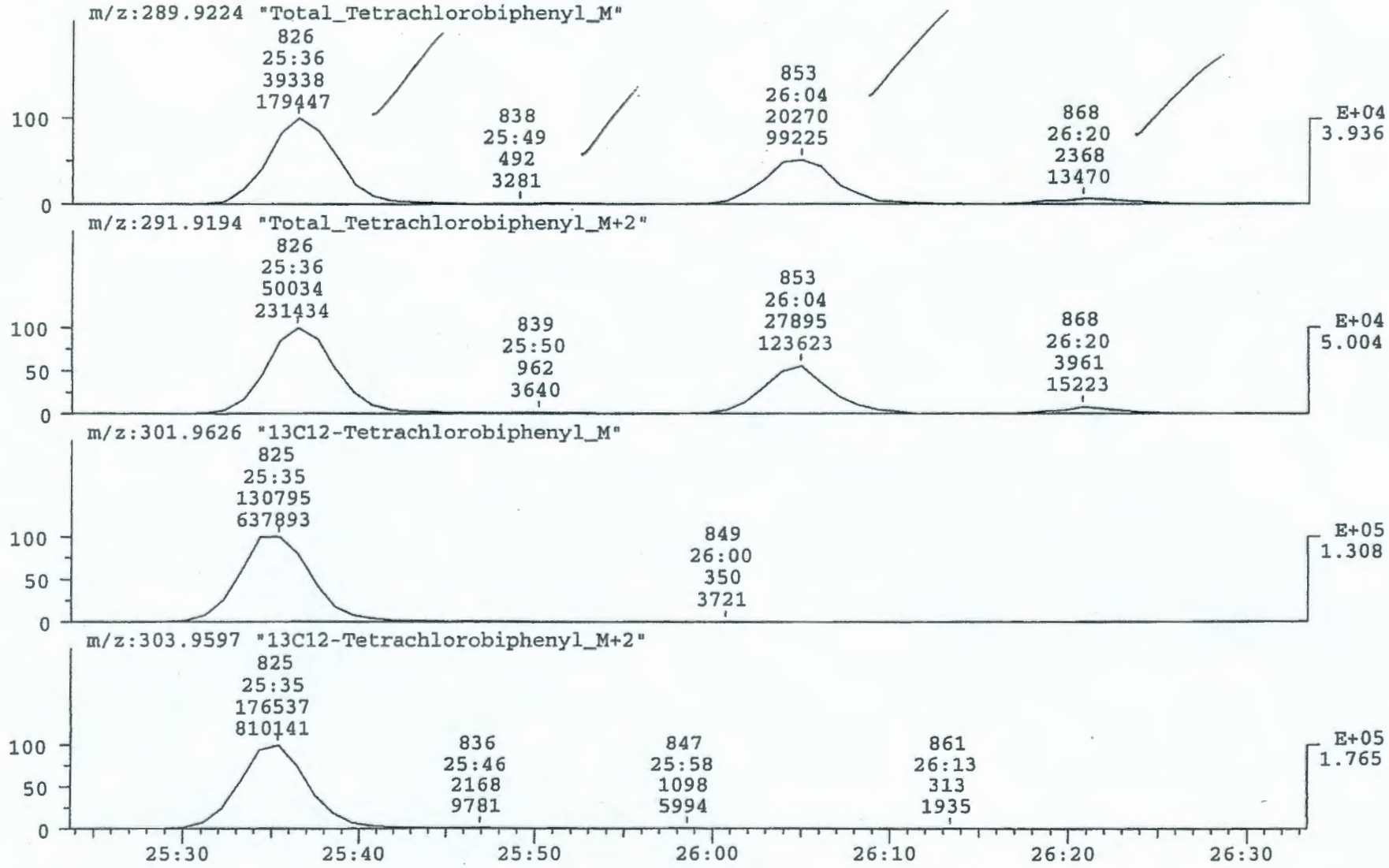
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  34:09      1312
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial 33
Peak:  100.00  ppm     Label wndw:   1247 > 1387         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



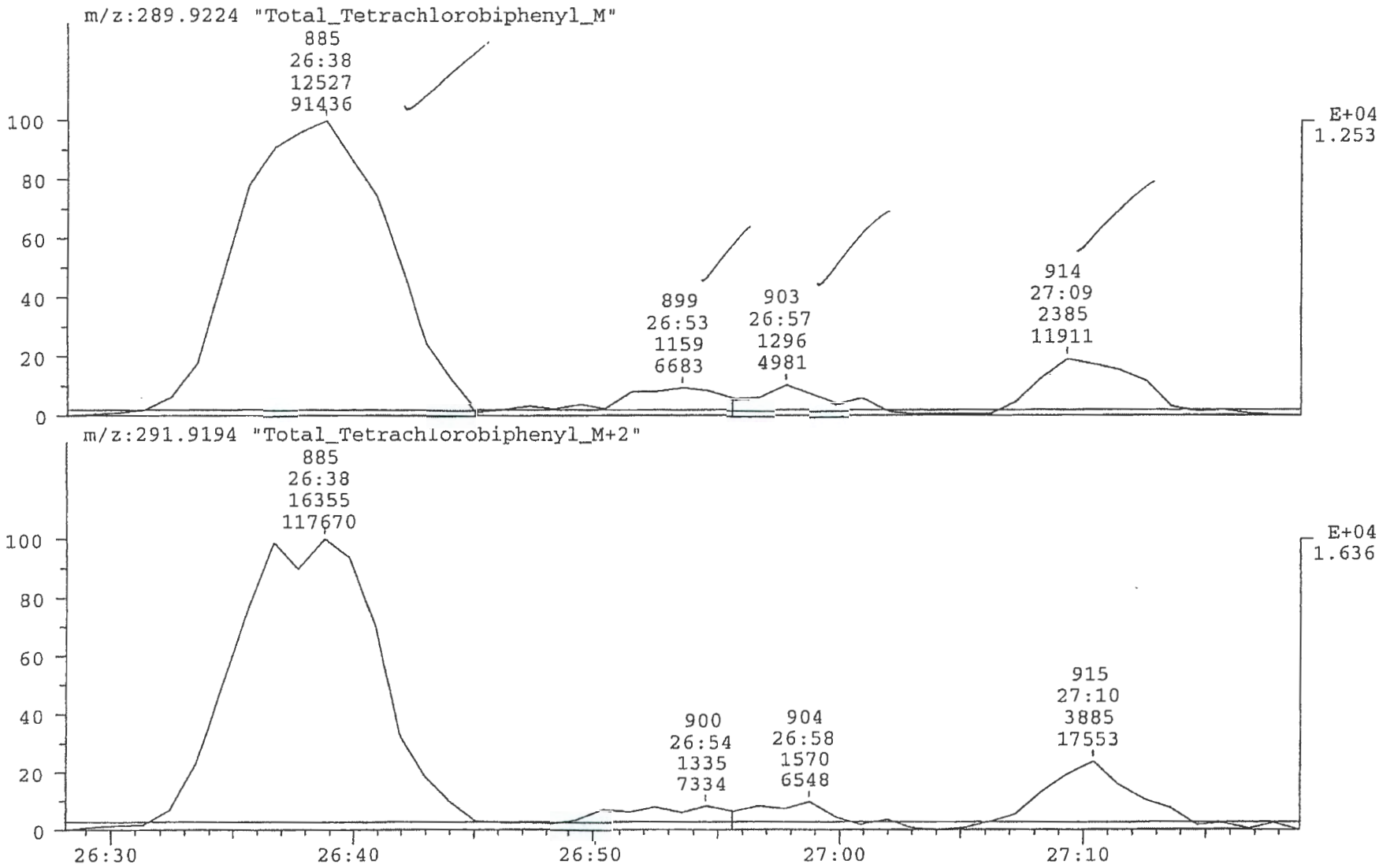
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  47:41      2077
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   665 > 769          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



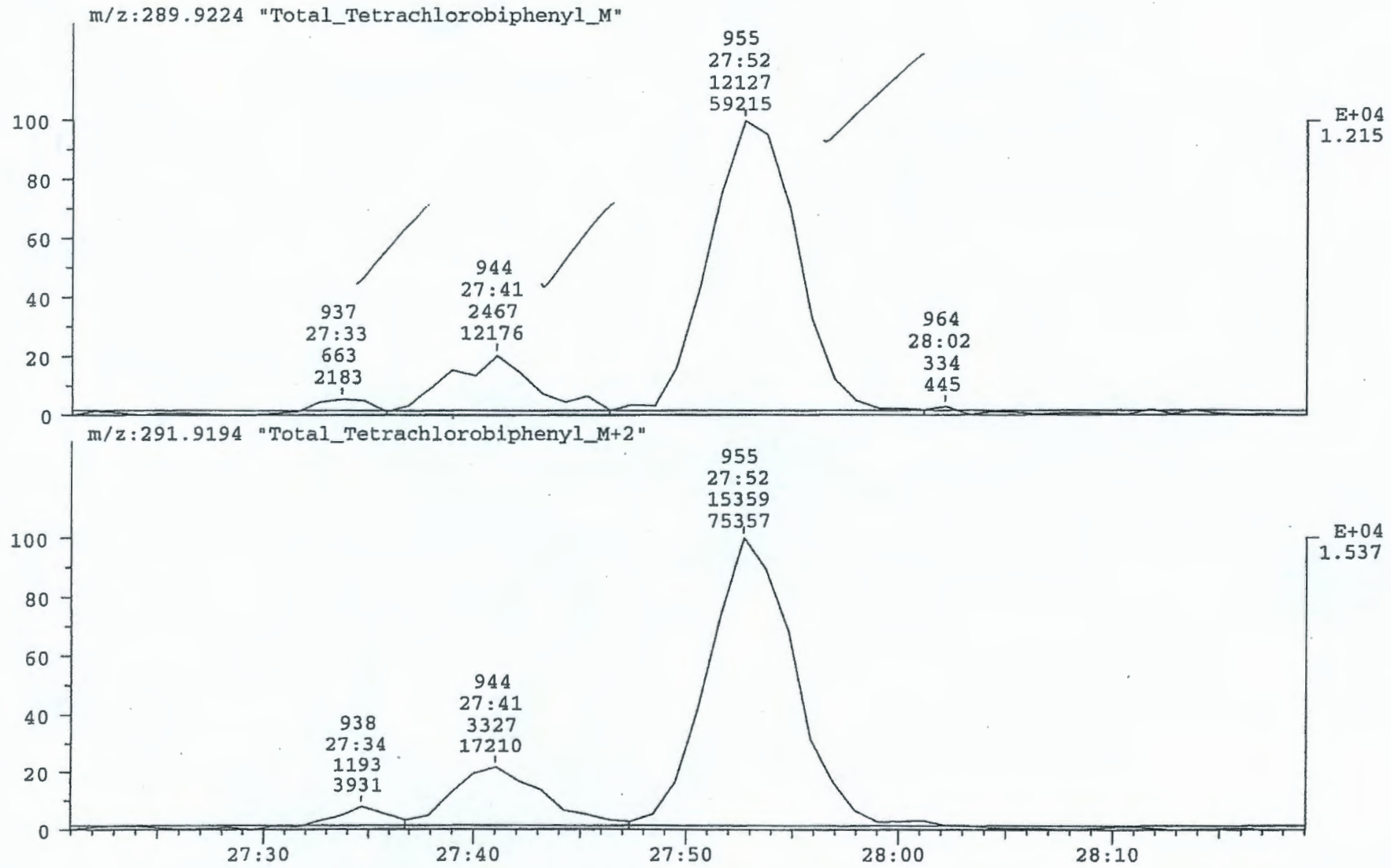
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  47:41      2077
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   814 > 880          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :  100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



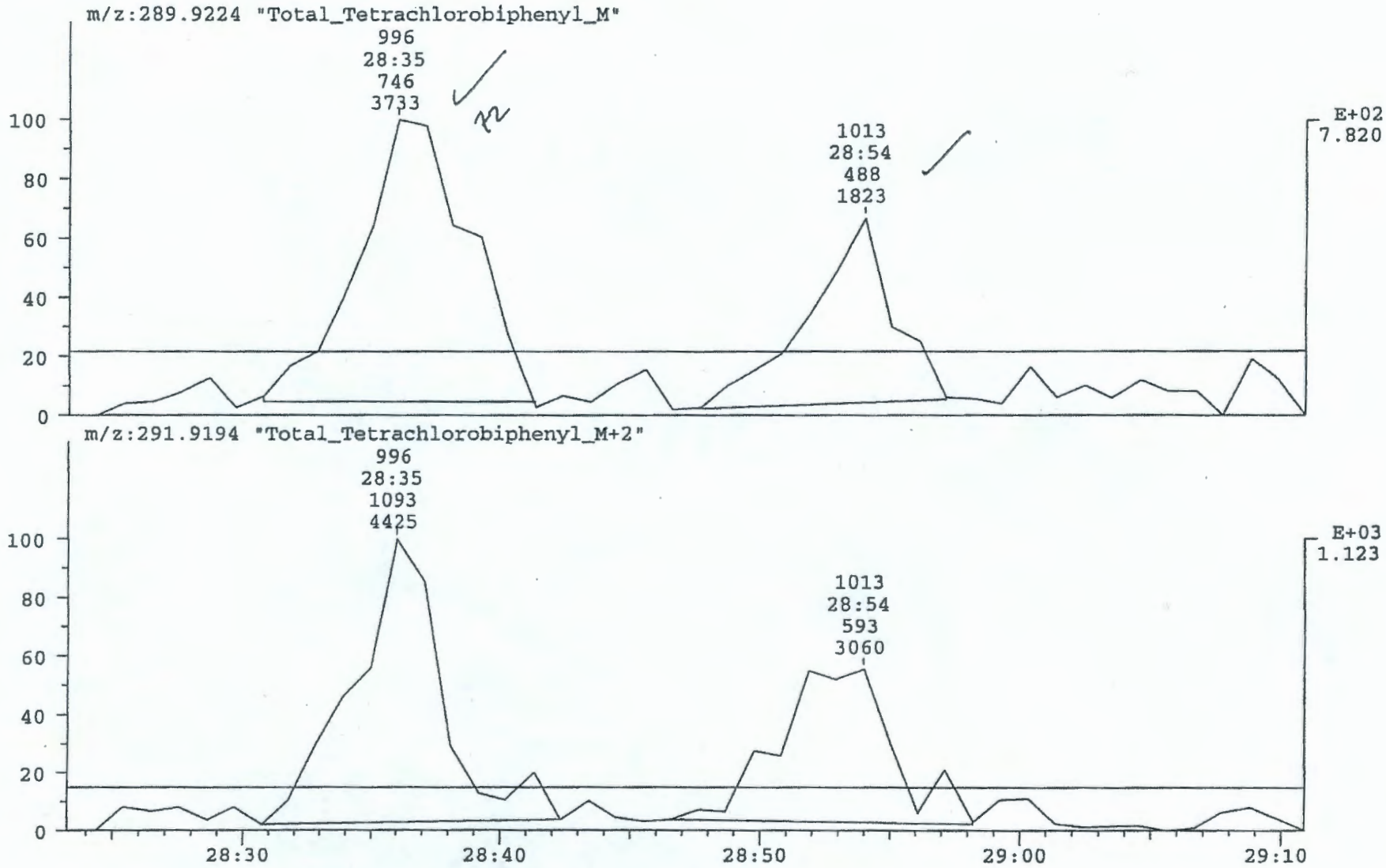
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  26:22.8      870
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   875 > 923           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



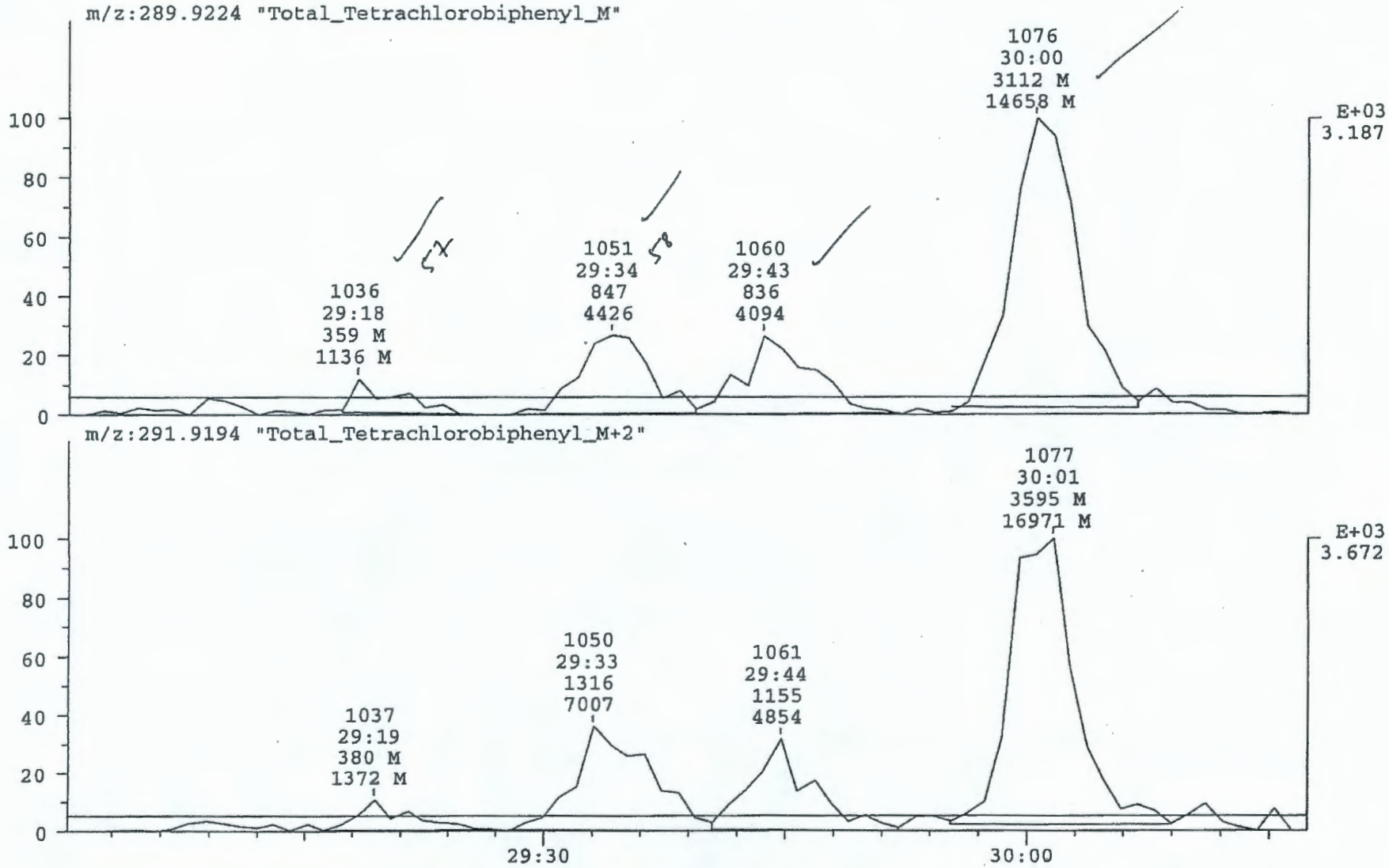
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  27:10.4      915
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC      Vial  33
Peak:  100.00  ppm      Label wndw:   925 > 980           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



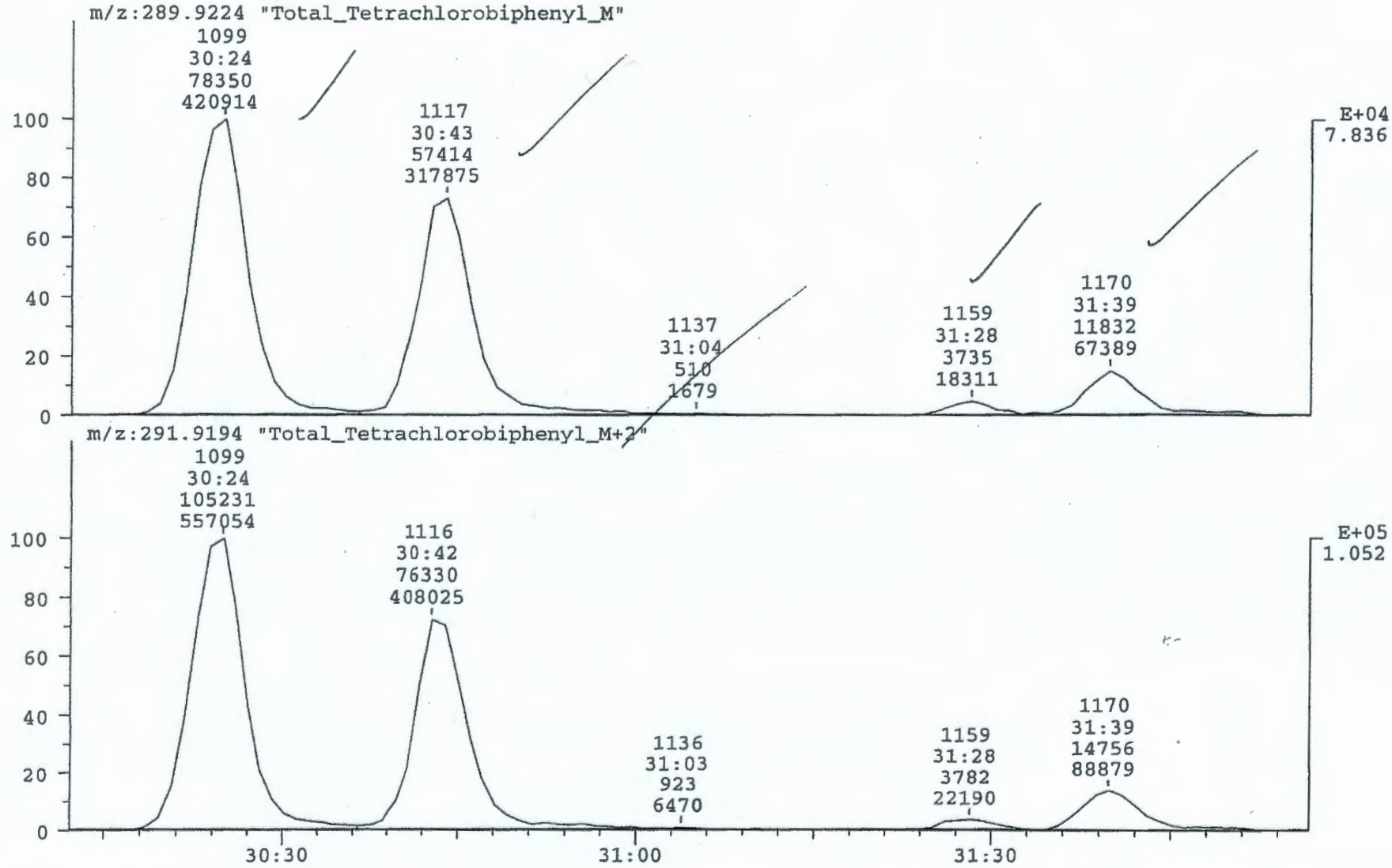
CHRO: apj64jq 28-Sep-07 Elapse: 27:10.4 915
Samp: Vial 33 WO=j64jq1aa Meth=IE5 Dil=1 Start : 15:55:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001 Inlet : GC Vial 33
Peak: 100.00 ppm Label wndw: 984 > 1029 Masses: 181 > 510
Area: 5, 1.00, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



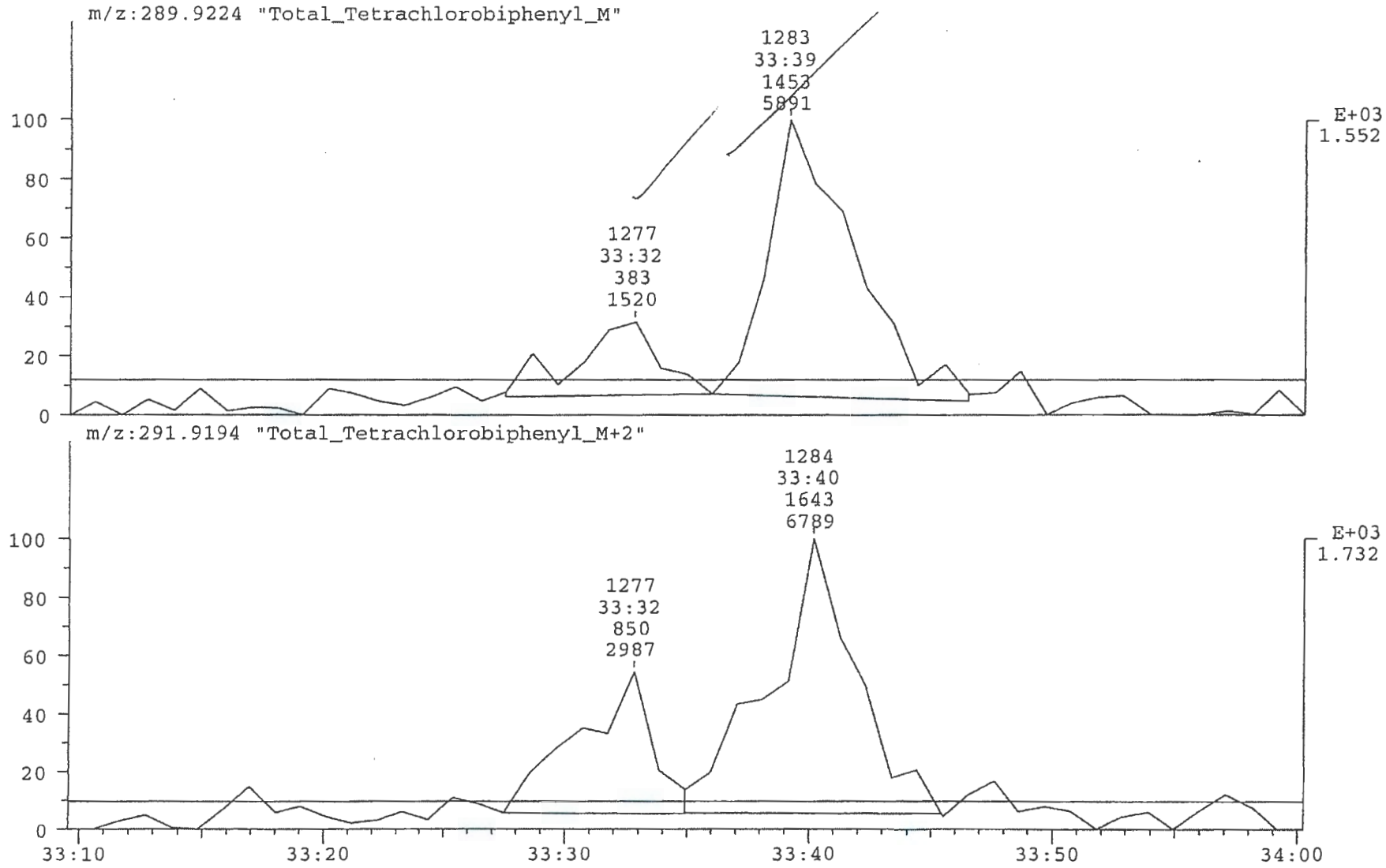
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  28:56      1015
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1019 > 1092        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



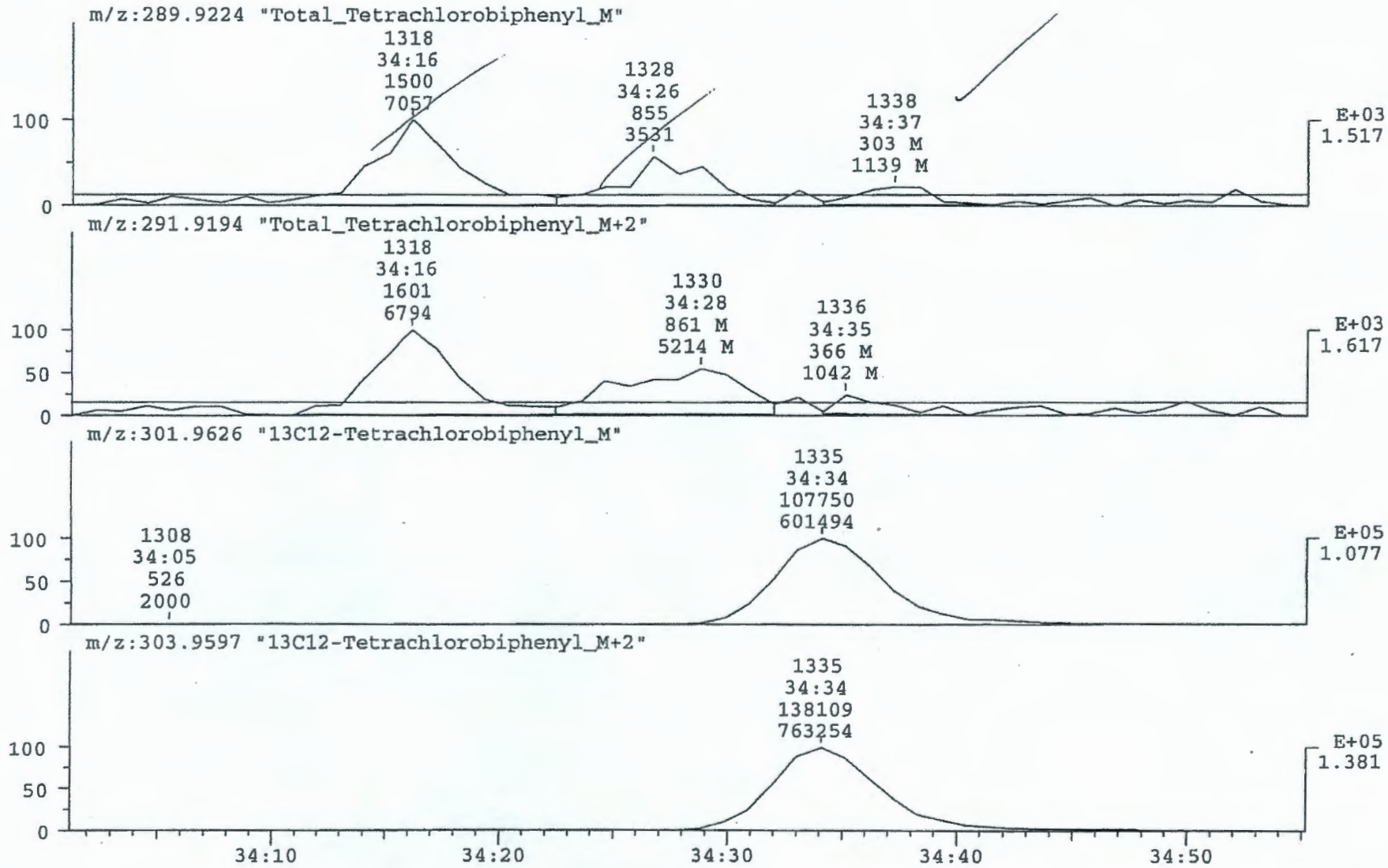
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  30:02      1078
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial  33
Peak:  100.00  ppm     Label wndw:   1087 > 1186         Masses:  181 > 510
Area:  5, 0.50, 0      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



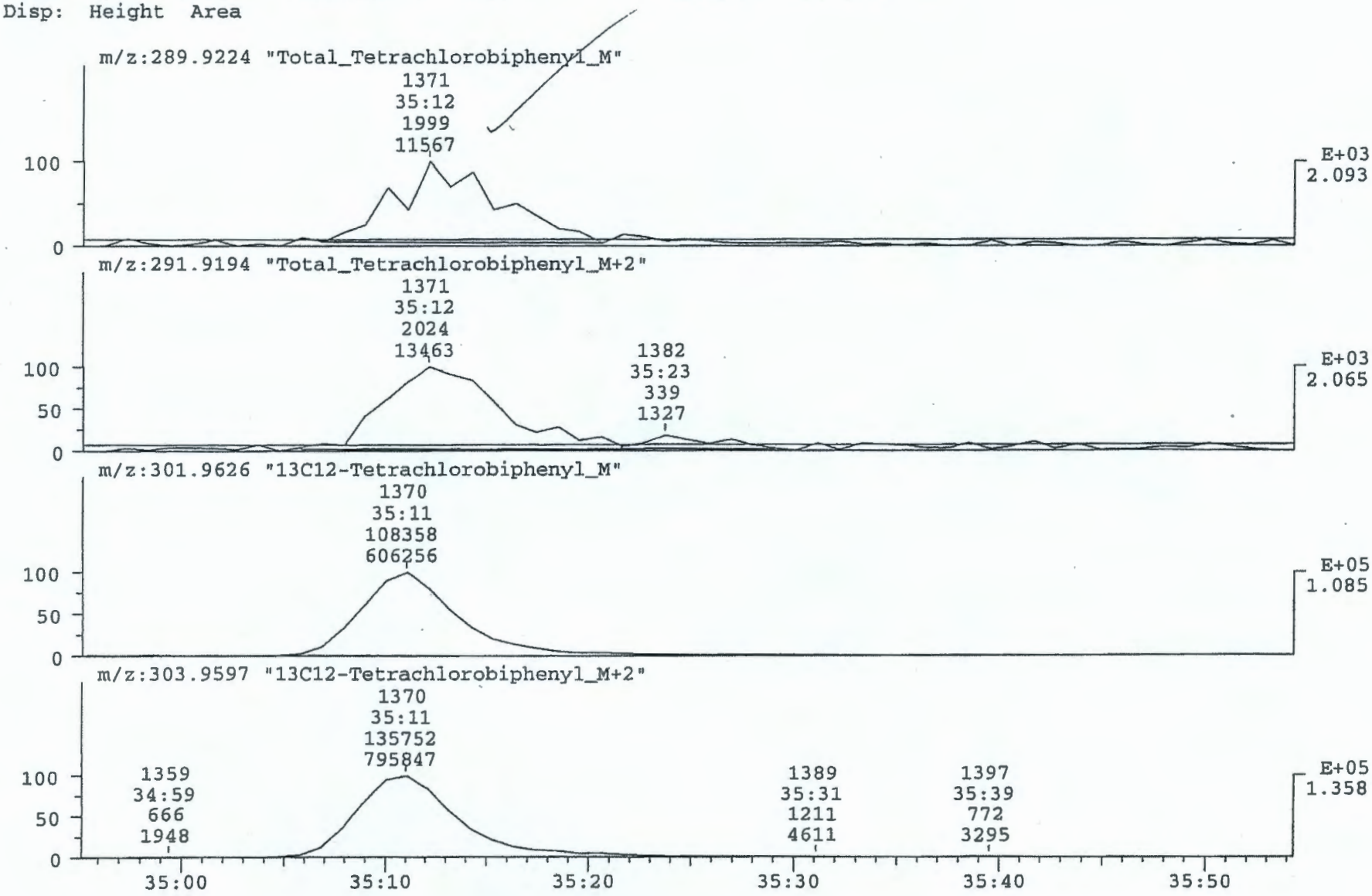
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  31:40      1171
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1255 > 1303         Masses:  181 > 510
Area:  5, 2.00, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



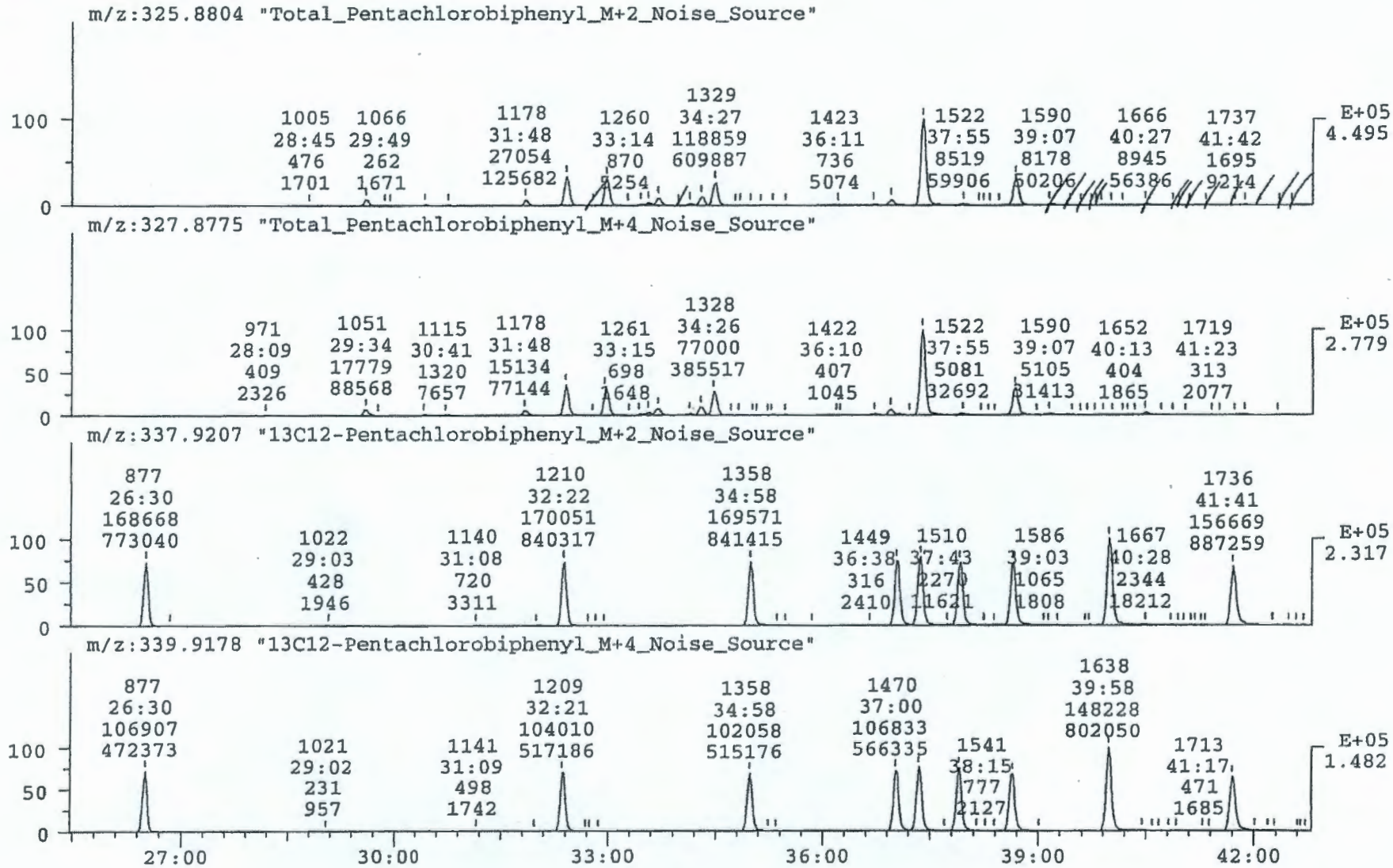
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  33:39      1283
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial 33
Peak:  100.00  ppm      Label wndw:   1304 > 1355        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



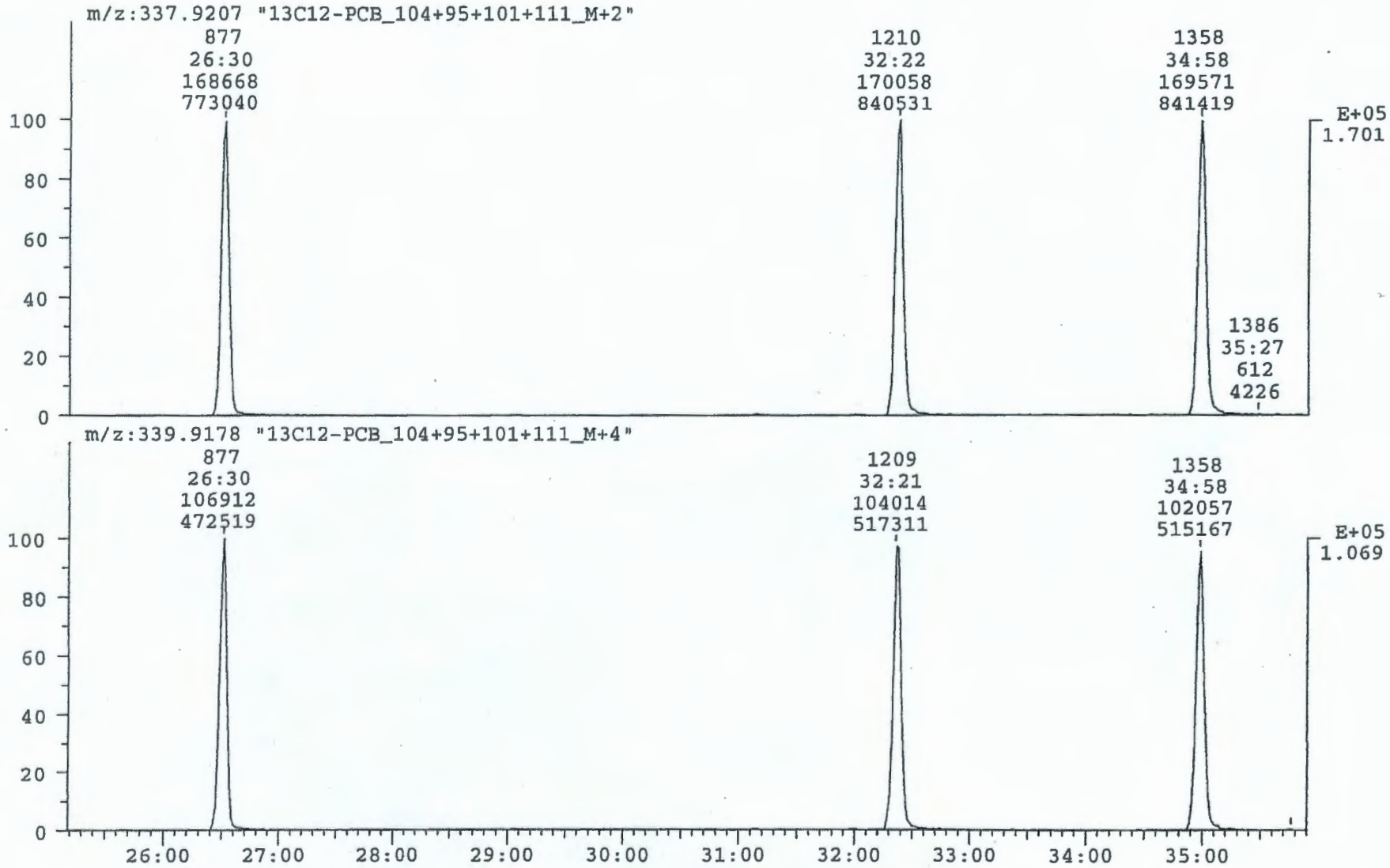
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  33:39      1283
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1355 > 1411         Masses:  181 > 510
Area:  5, 2.00, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



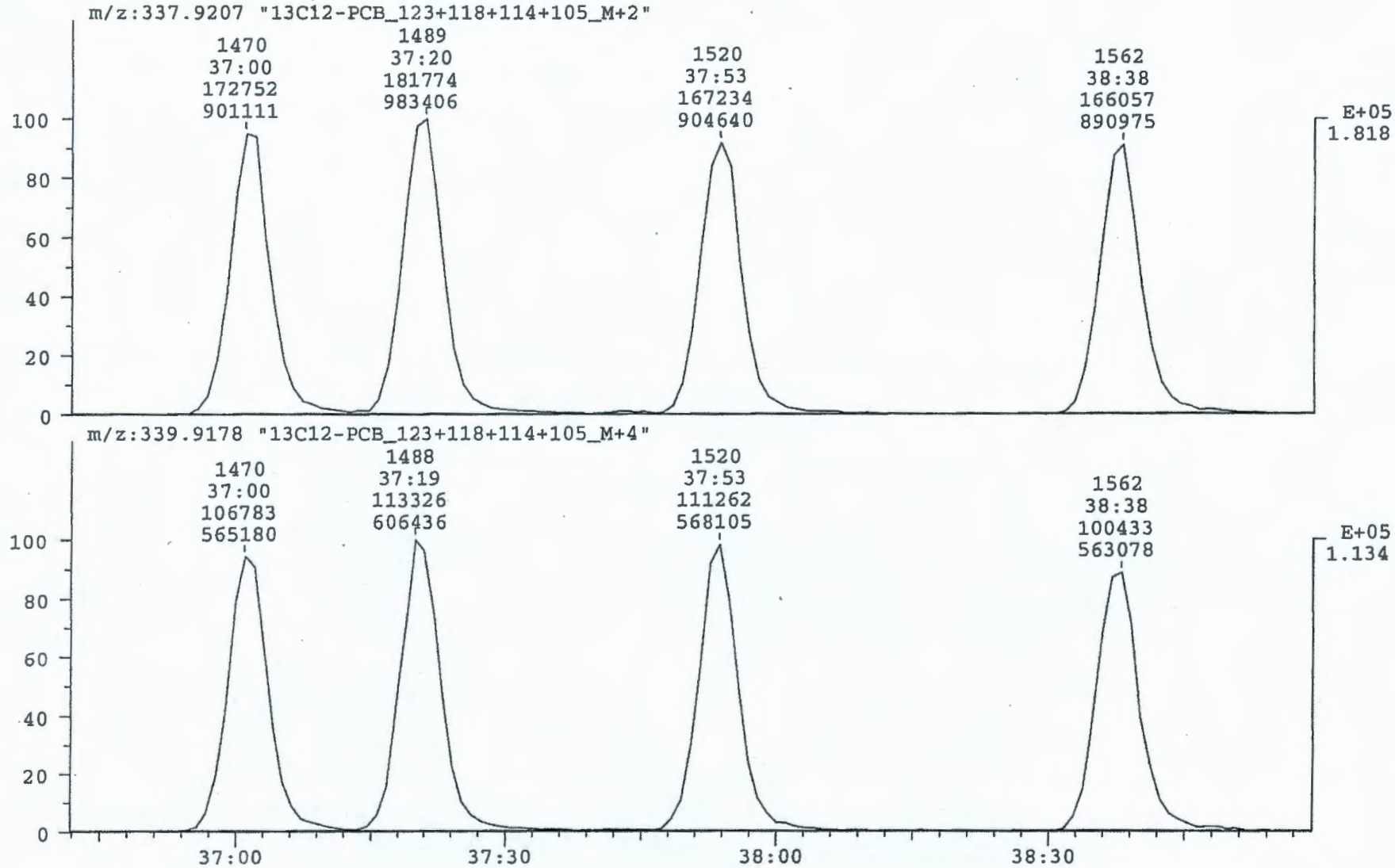
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  34:07      1310
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial 33
Peak:  100.00  ppm      Label wndw:   818 > 1799         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



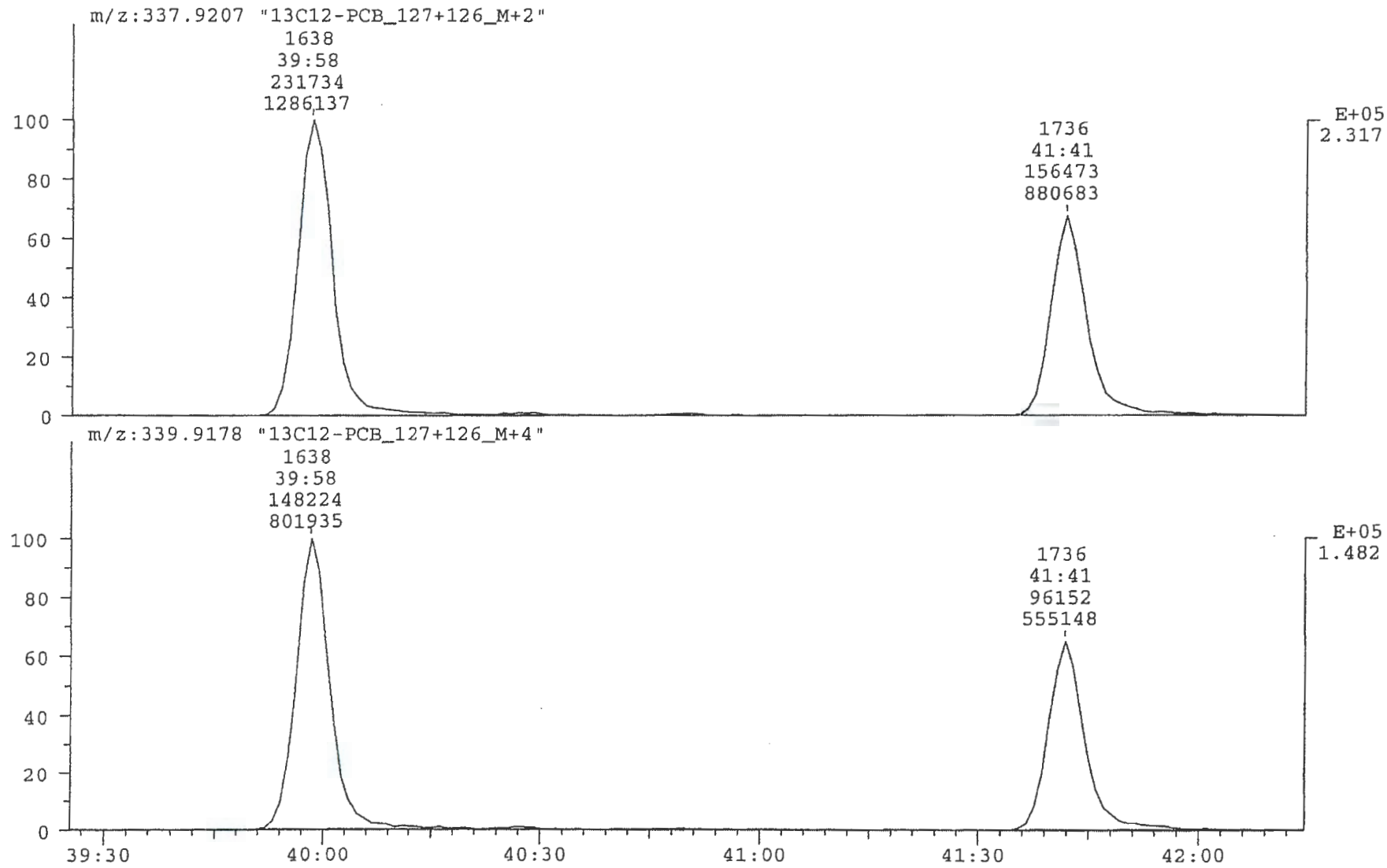
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  30:32      1106
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial 33
Peak:  100.00  ppm      Label wndw:   802 > 1411         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



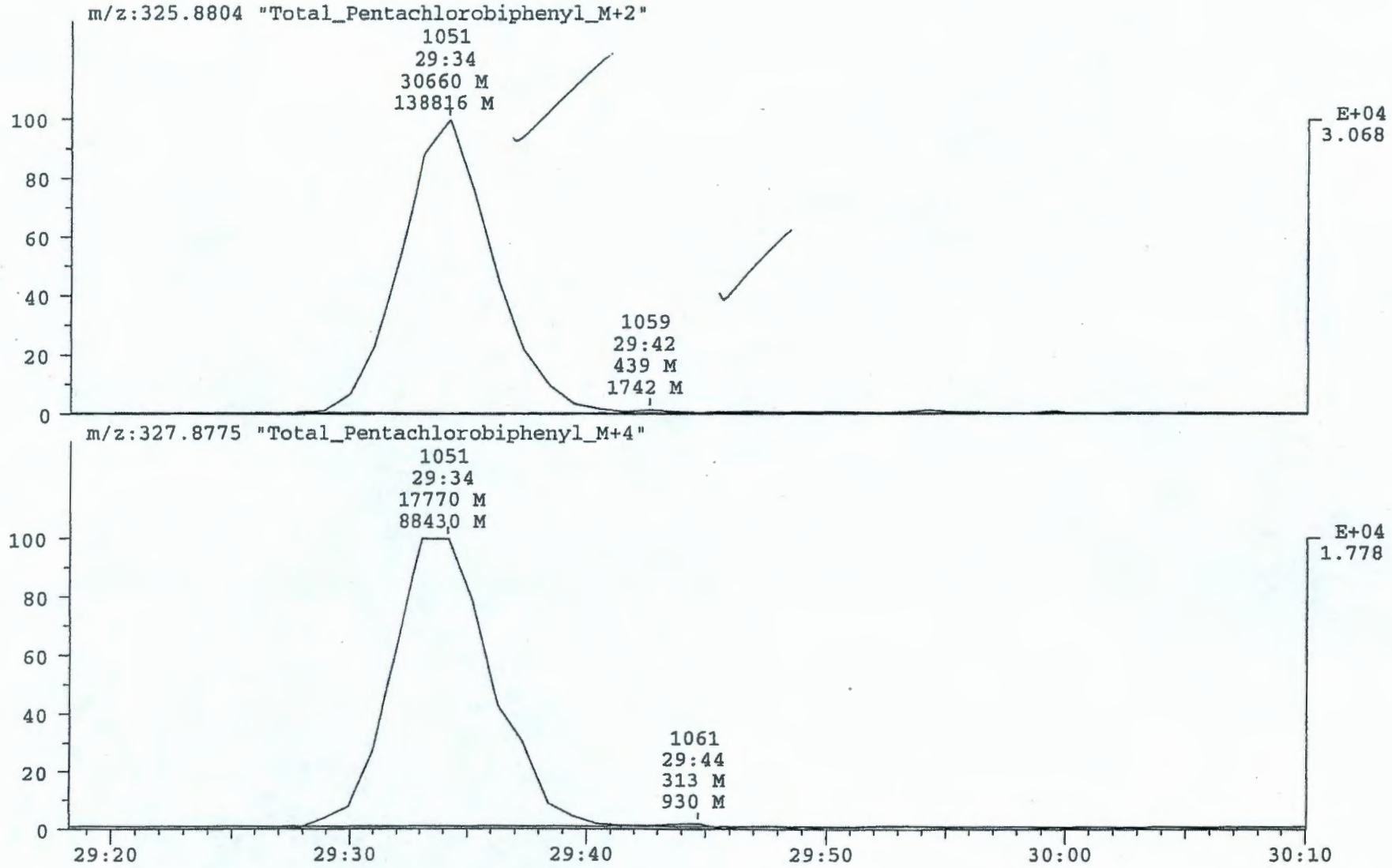
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  37:50      1517
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1452 > 1582        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



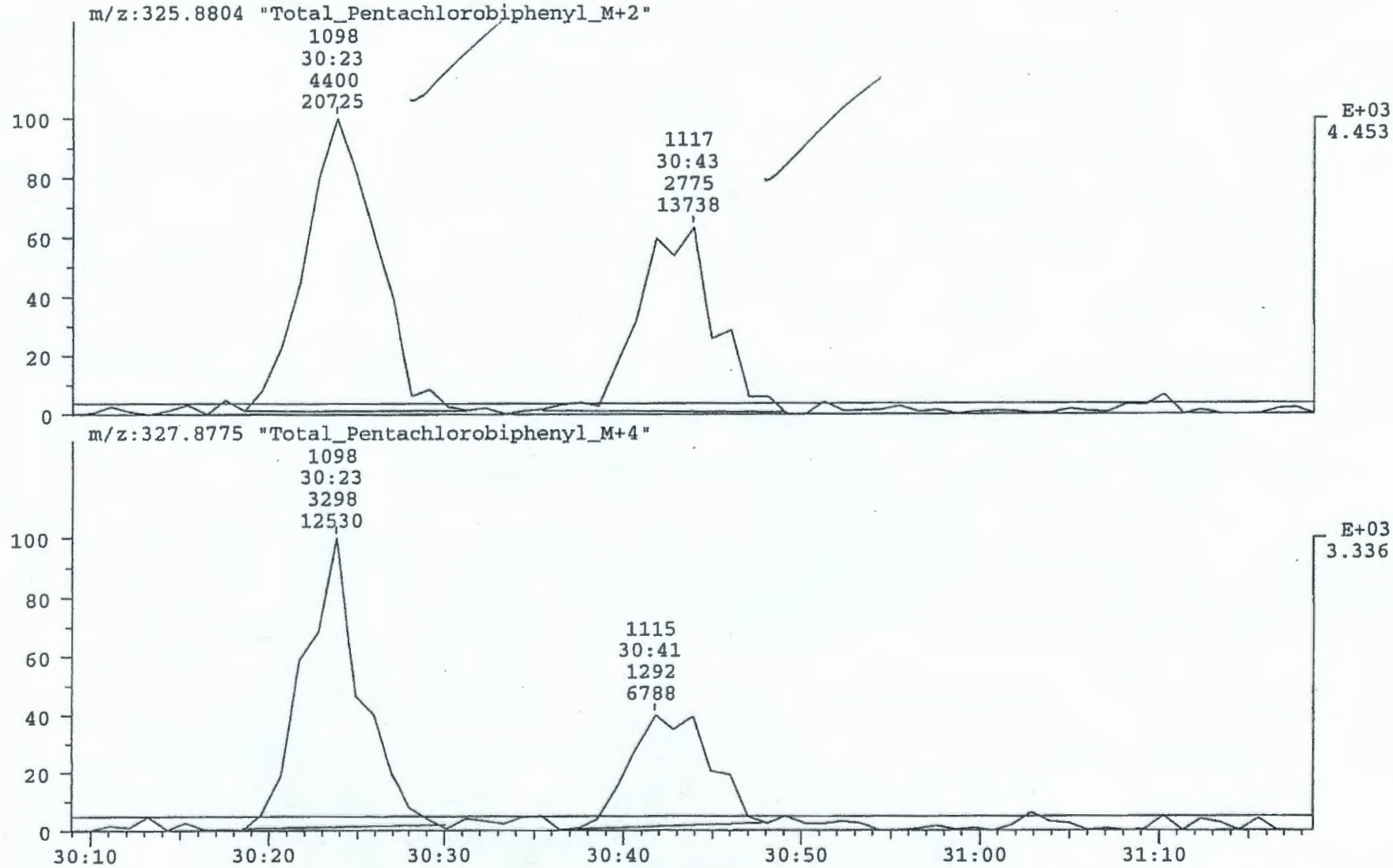
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  40:49      1687
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1607 > 1767         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



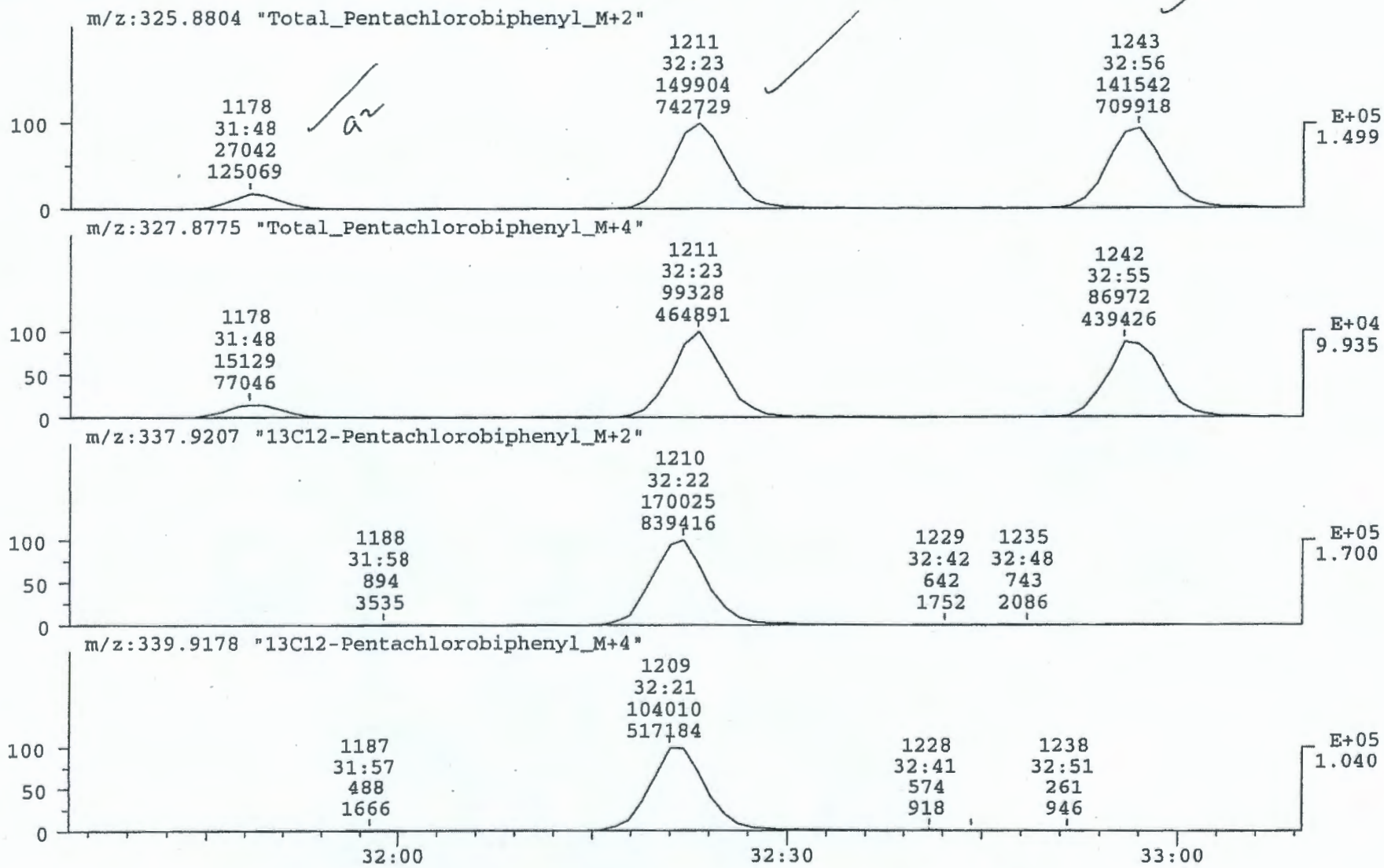
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  33:39      1283
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1036 > 1085        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 5             Label :  -10, 3.0
Disp:  Height  Area
```



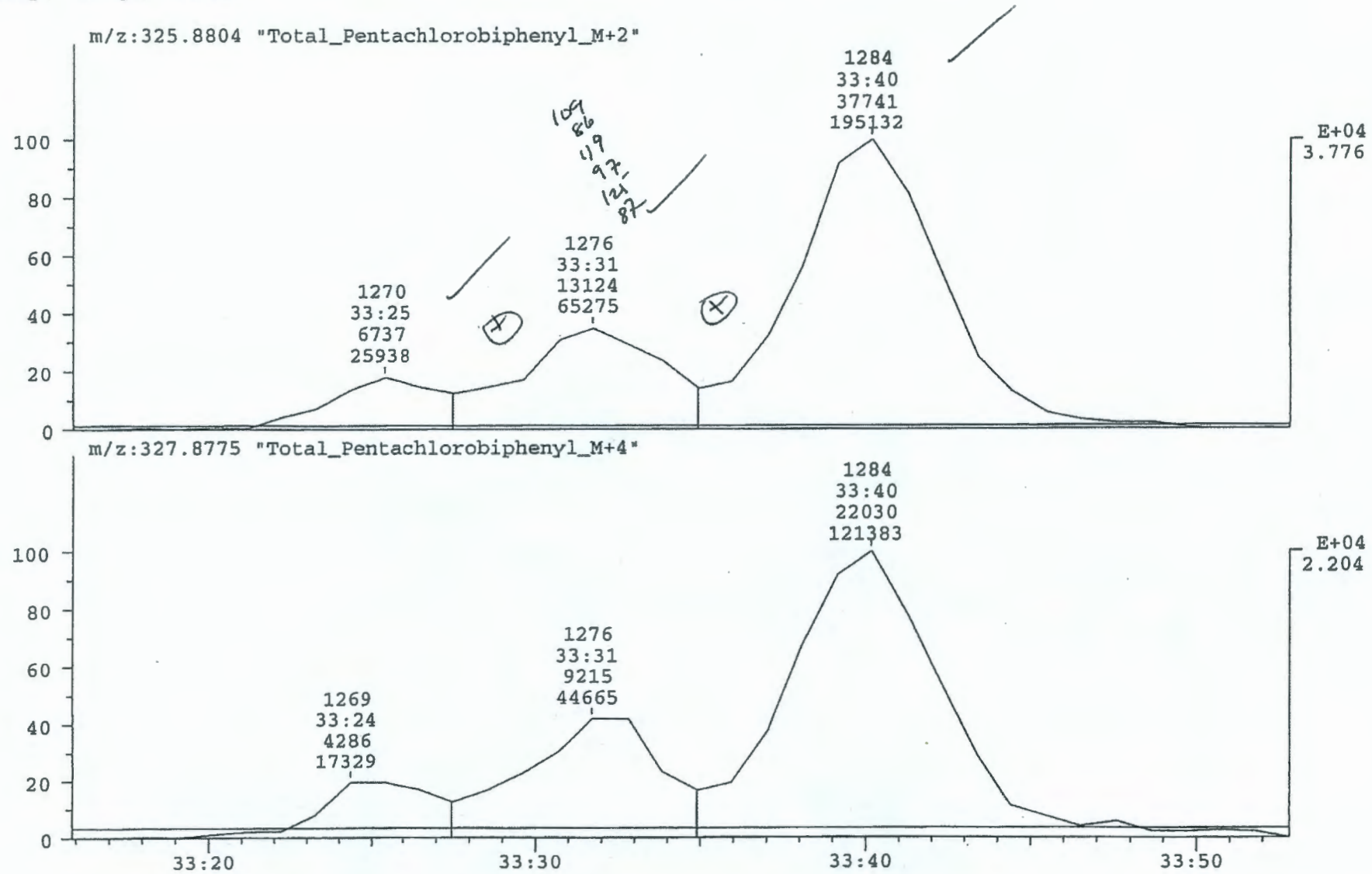
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  33:39      1283
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial 33
Peak:  100.00  ppm      Label wndw:   1084 > 1150        Masses:  181 > 510
Area:  5, 2.00, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



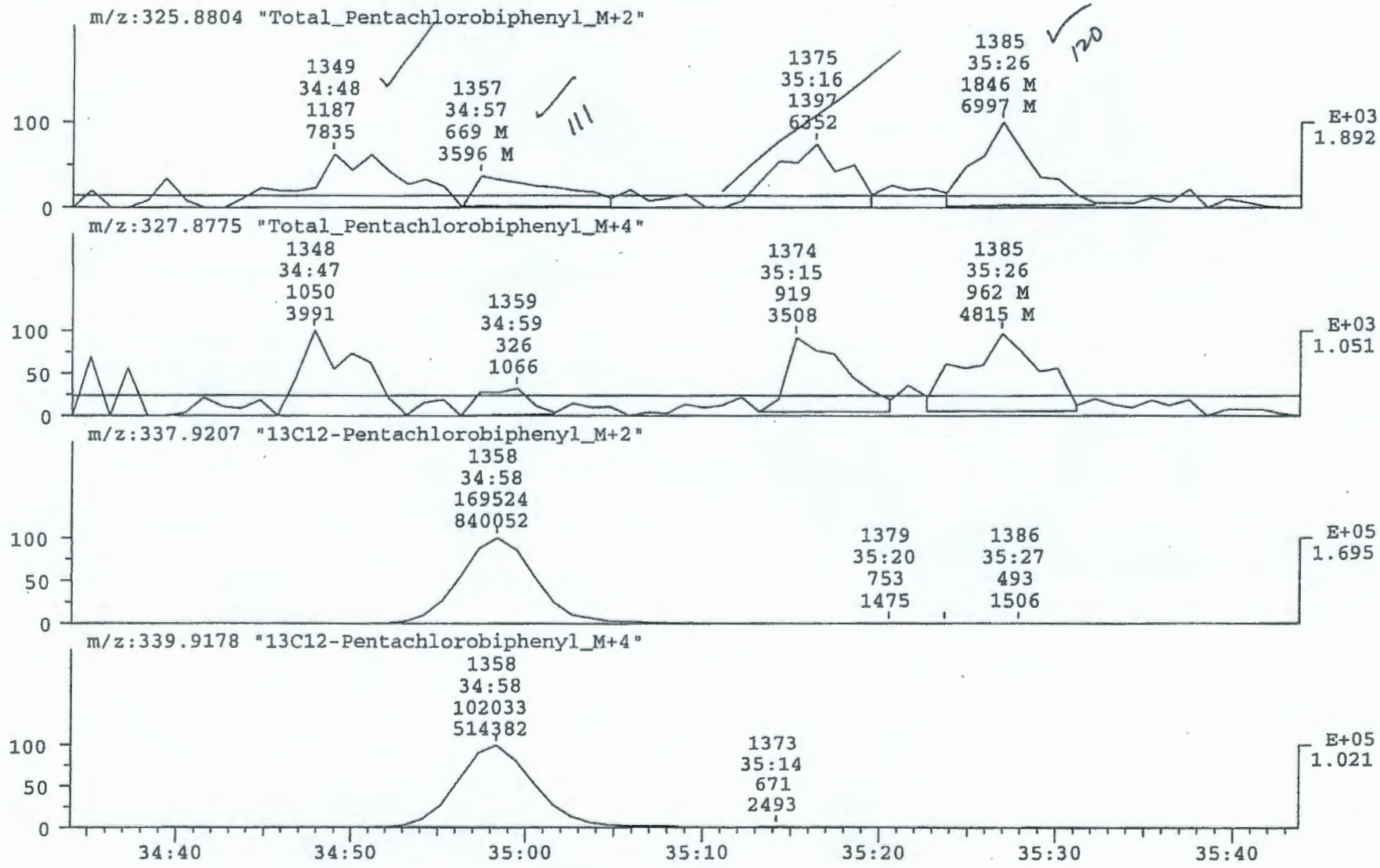
CHRO: apj64jq 28-Sep-07 Elapse: 33:39 1283
Samp: Vial 33 WO=j64jq1aa Meth=IE5 Dil=1 Start : 15:55:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001 Inlet : GC Vial 33
Peak: 100.00 ppm Label wndw: 1165 > 1255 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



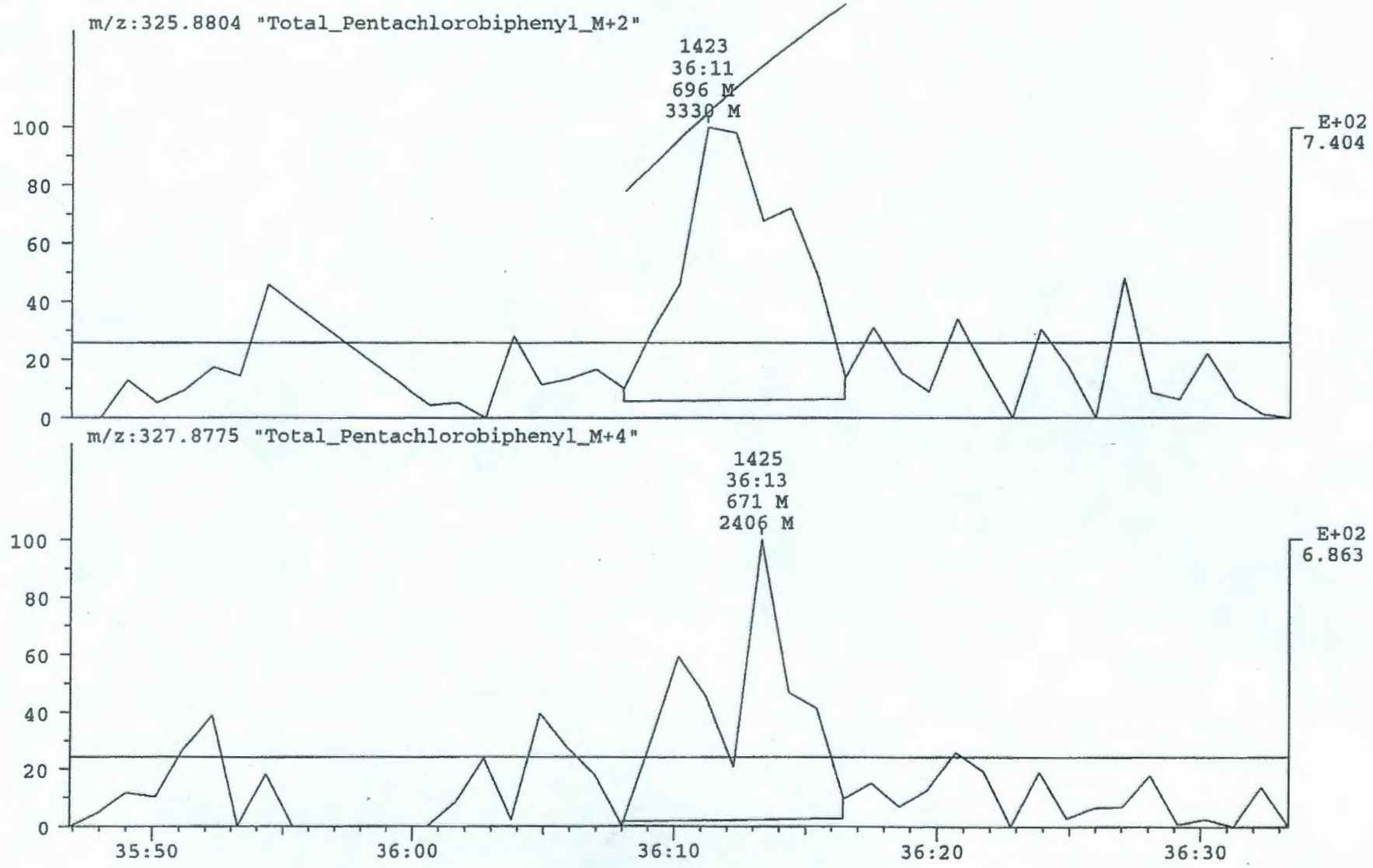
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  33:39      1283
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1261 > 1296         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



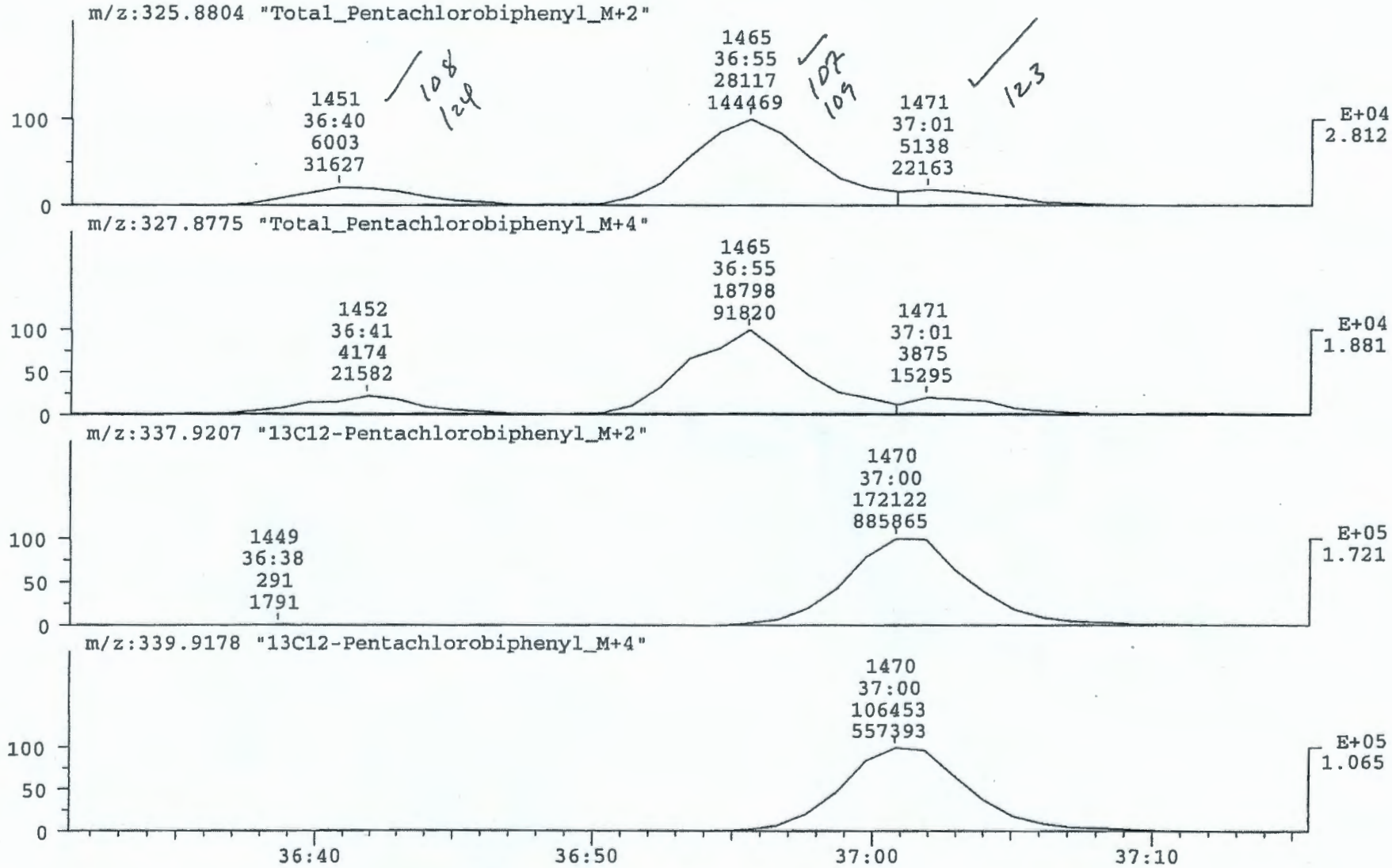
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  33:39      1283
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1335 > 1401         Masses:  181 > 510
Area:  5, 1.00, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



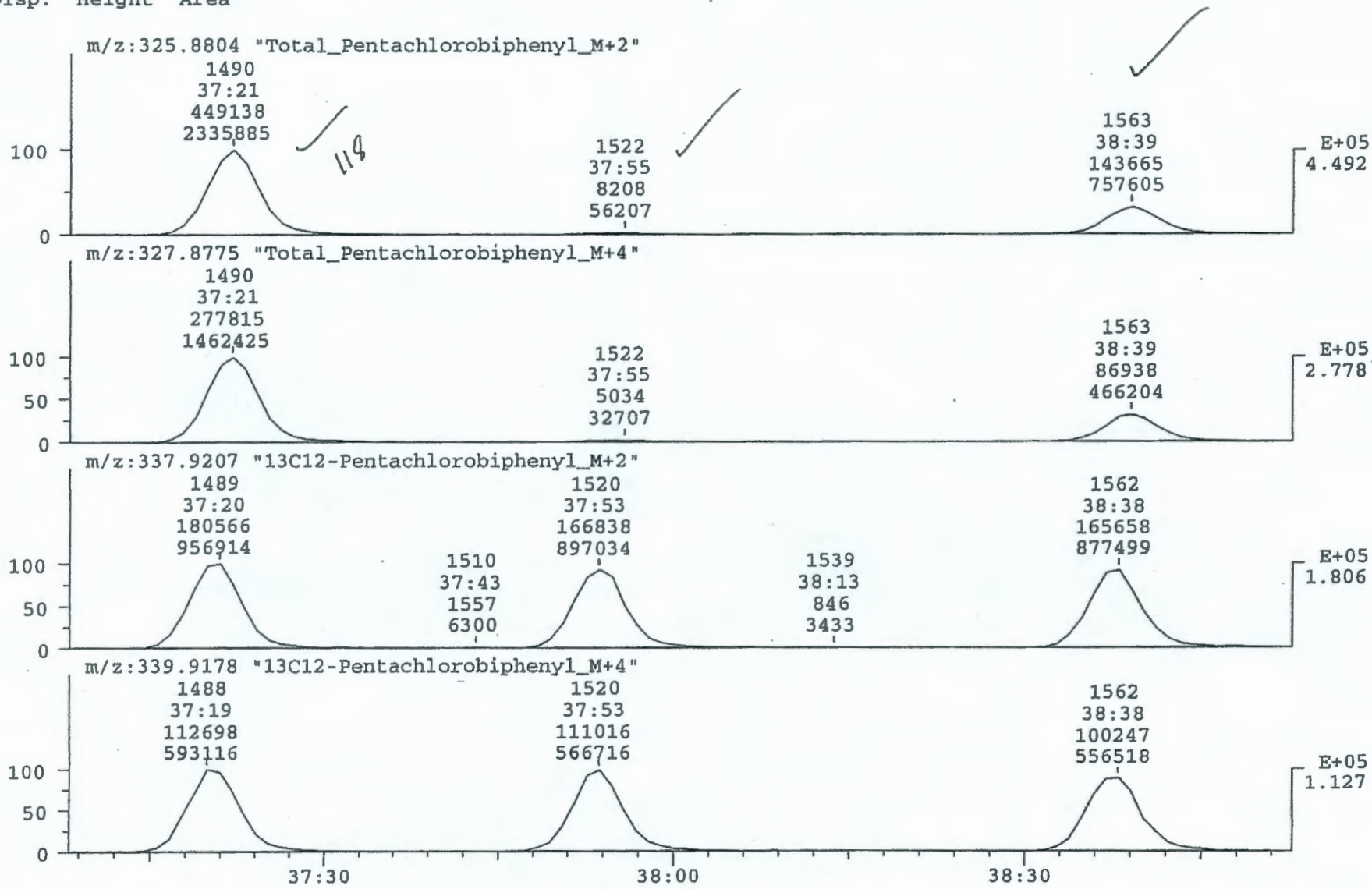
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  35:26      1385
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial 33
Peak:  100.00  ppm     Label wndw:   1404 > 1444         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -4, 3.0
Disp:  Height  Area
```



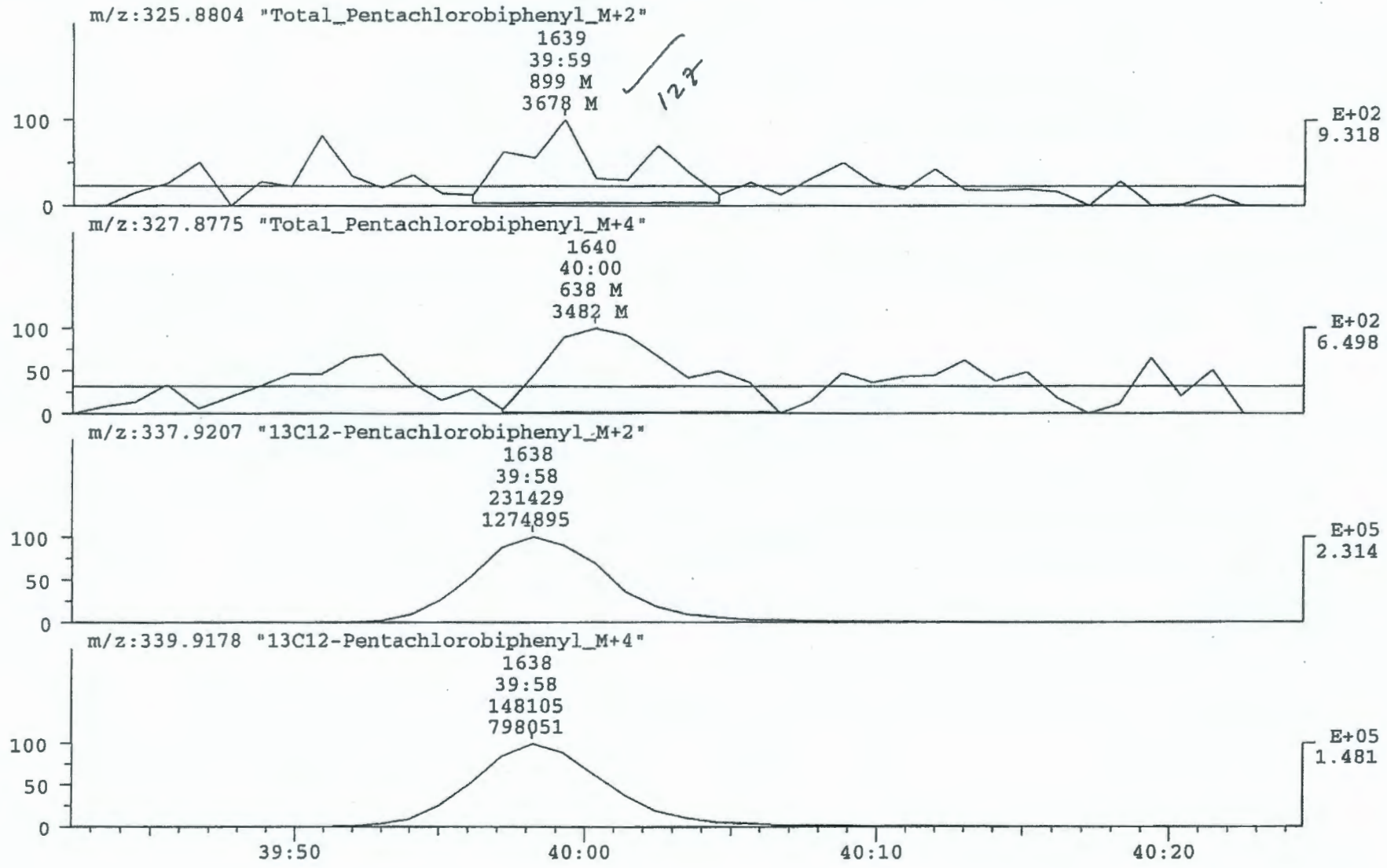
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  35:26      1385
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial 33
Peak:  100.00  ppm     Label wndw:   1442 > 1484         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 1              Label :  -3, 3.0
Disp:  Height  Area
```



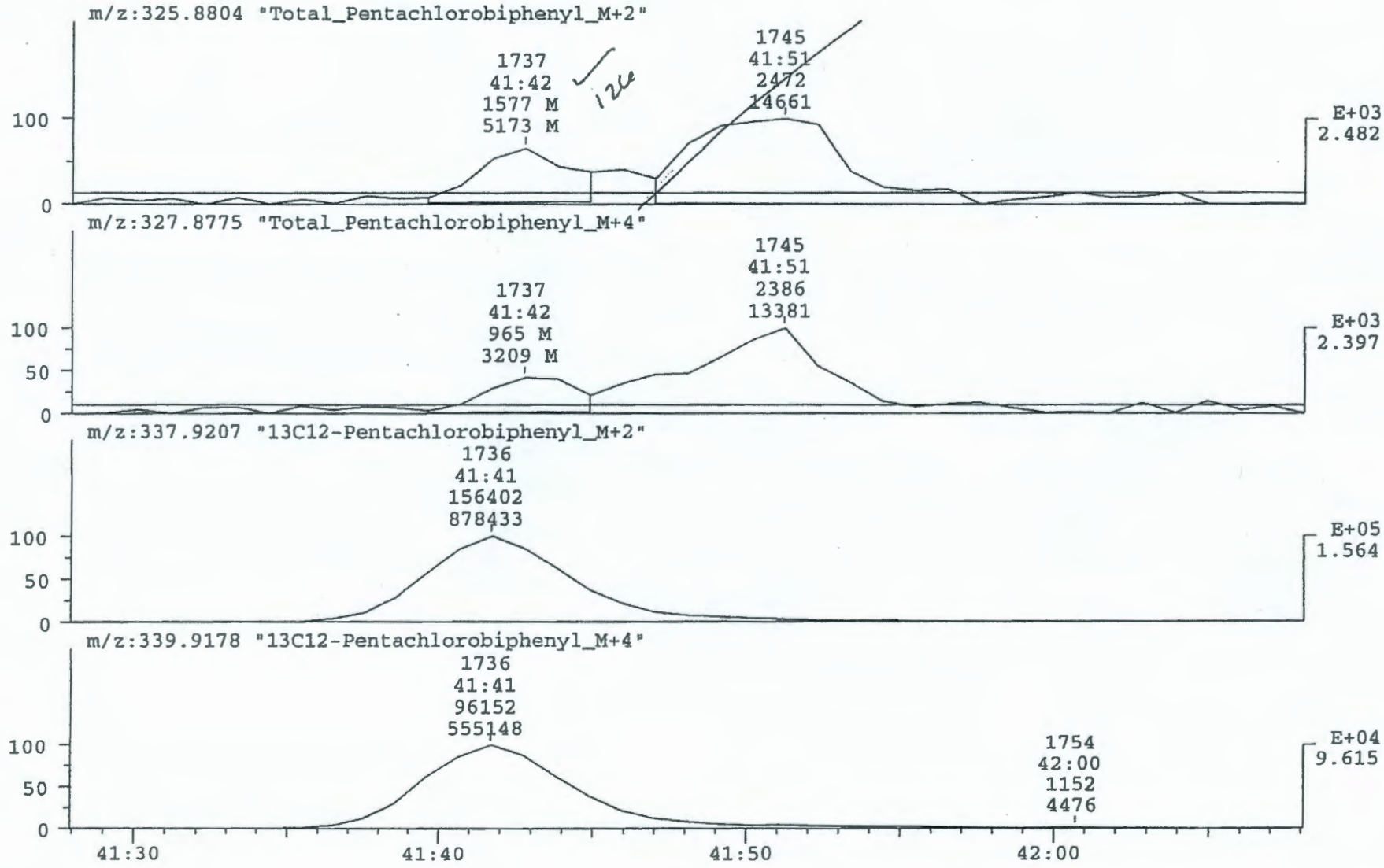
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  35:26      1385
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial  33
Peak:  100.00  ppm     Label wndw:   1477 > 1576         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



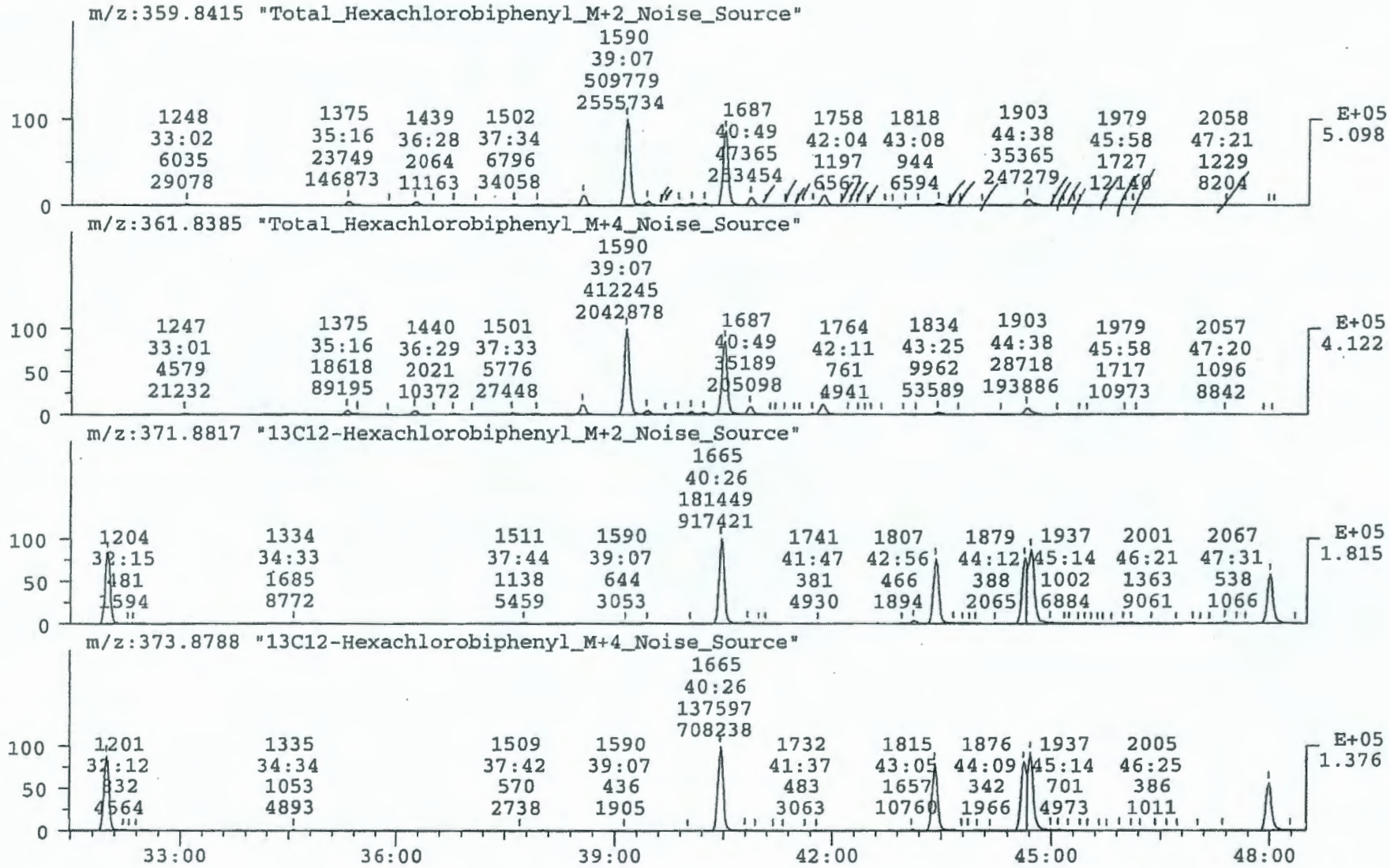
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  35:26      1385
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial 33
Peak:  100.00  ppm    Label wndw:   1623 > 1663          Masses:  181 > 510
Area:  5, 0.50, 15    Baseline  :   100, 3               Label :  -10, 3.0
Disp:  Height  Area
```



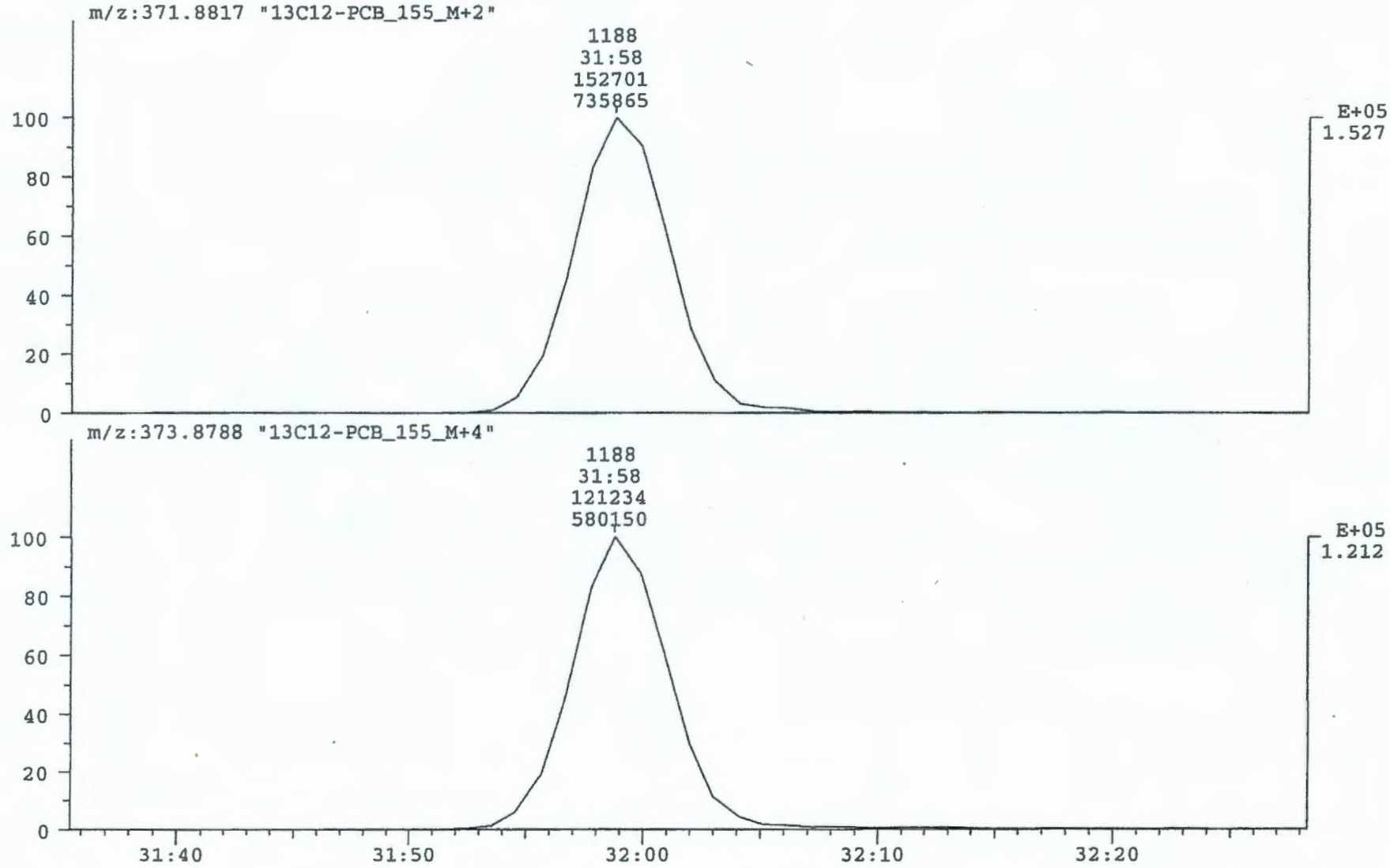
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  35:26      1385
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial 33
Peak:  100.00  ppm     Label wndw:   1723 > 1761         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



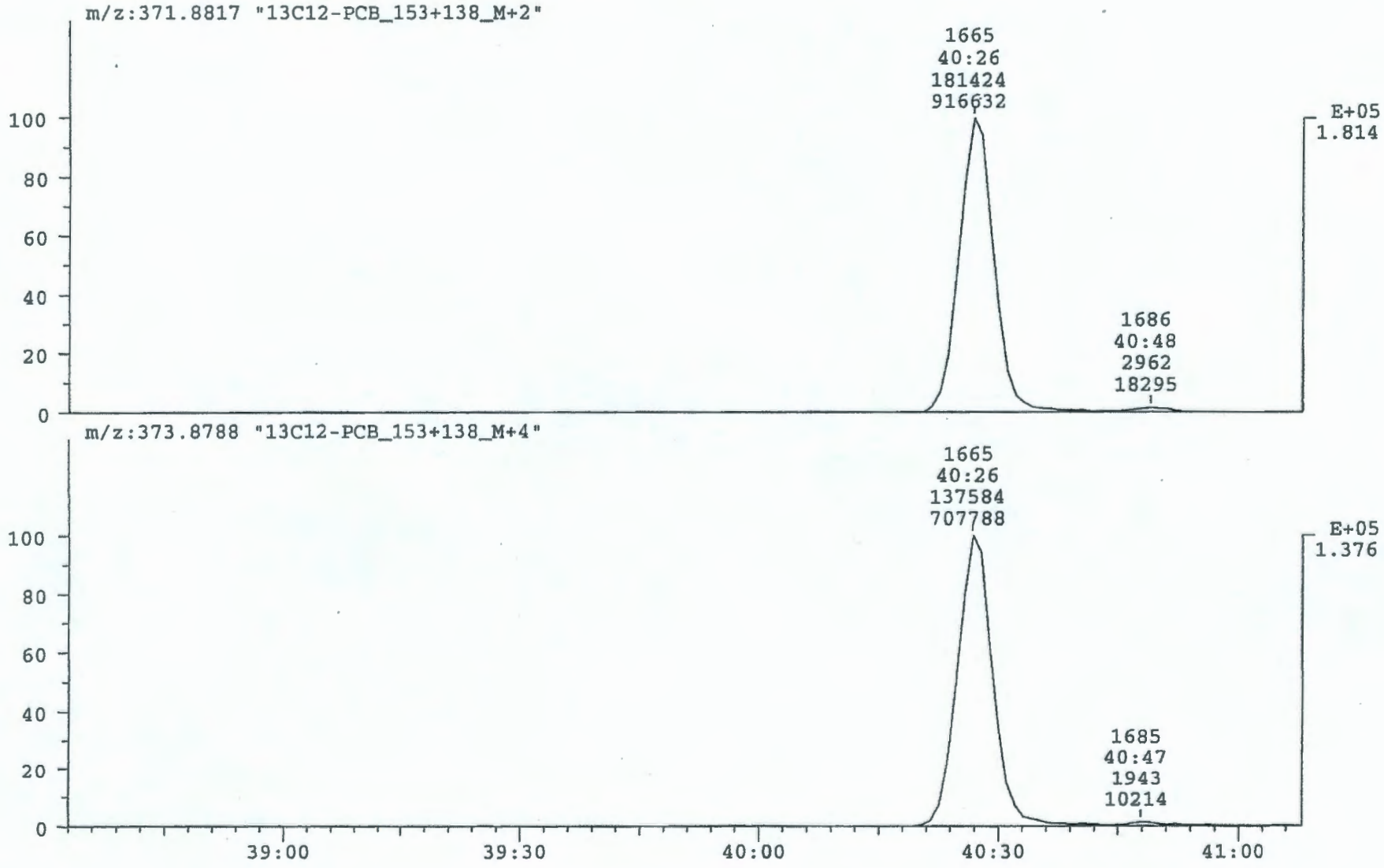
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  39:59      1639
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1160 > 2123        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



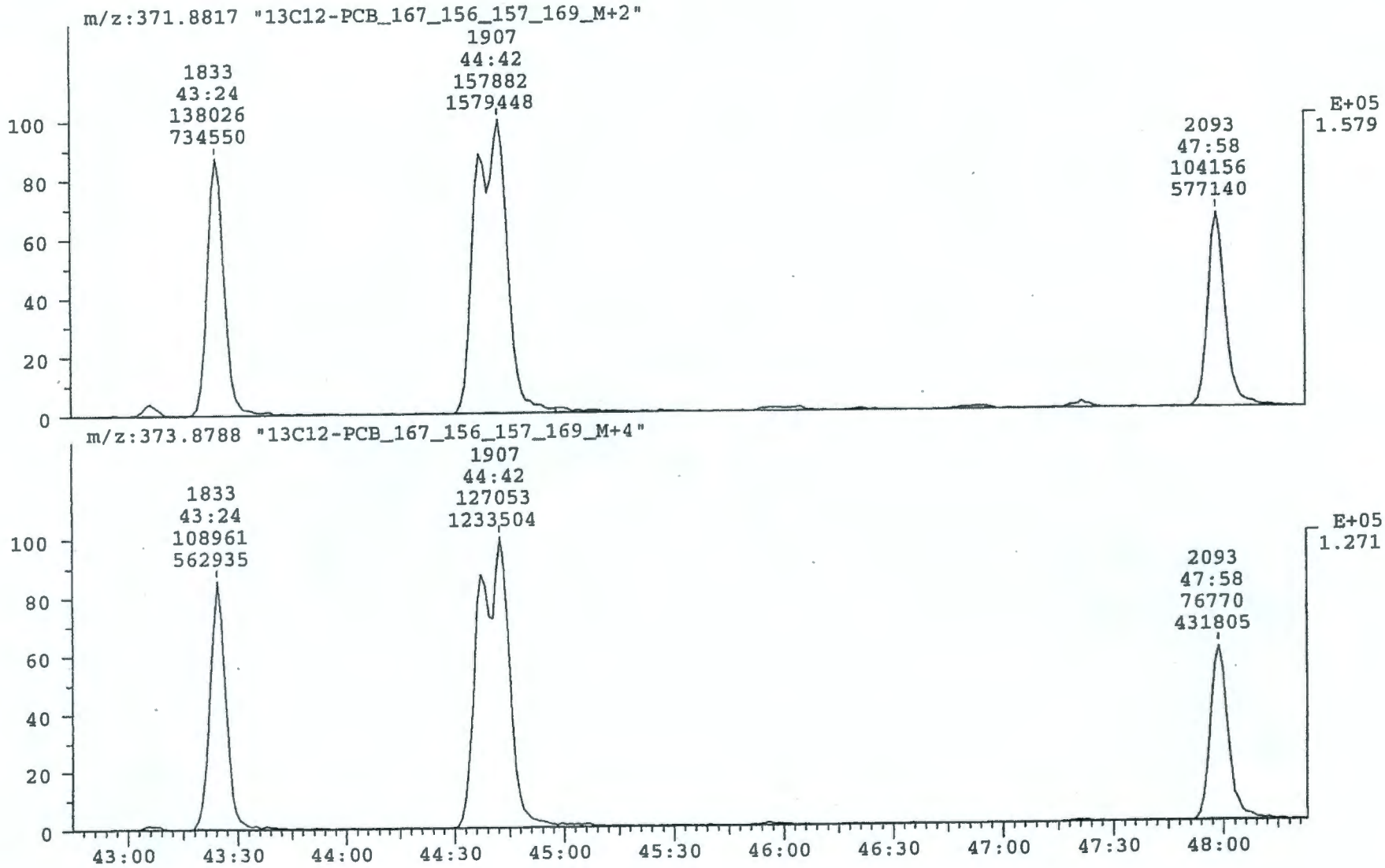
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  32:02      1191
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial 33
Peak:  100.00  ppm     Label wndw:   1166 > 1216         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



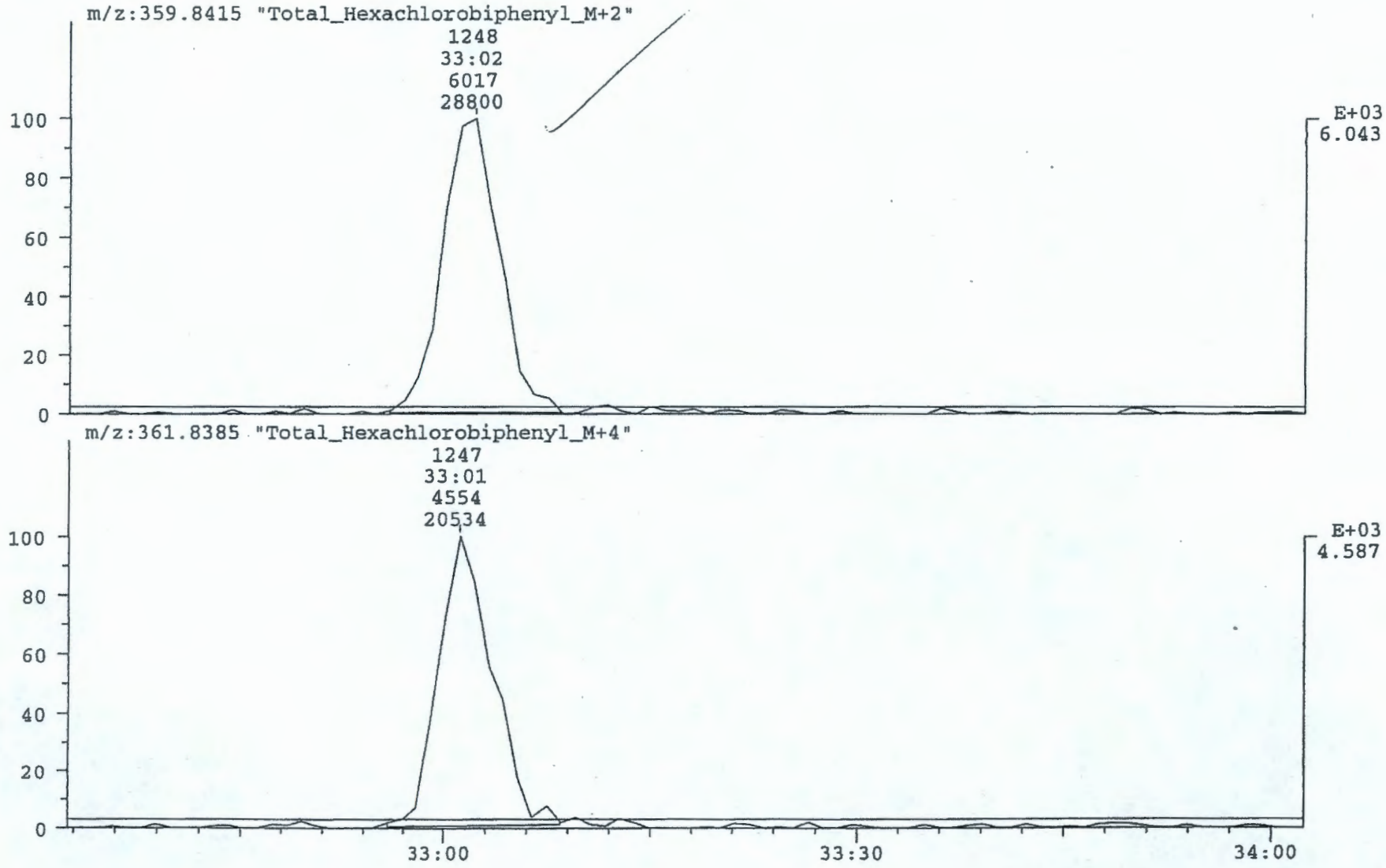
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  39:49      1630
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001                Inlet :  GC     Vial  33
Peak:  100.00  ppm     Label wndw:   1557 > 1704          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



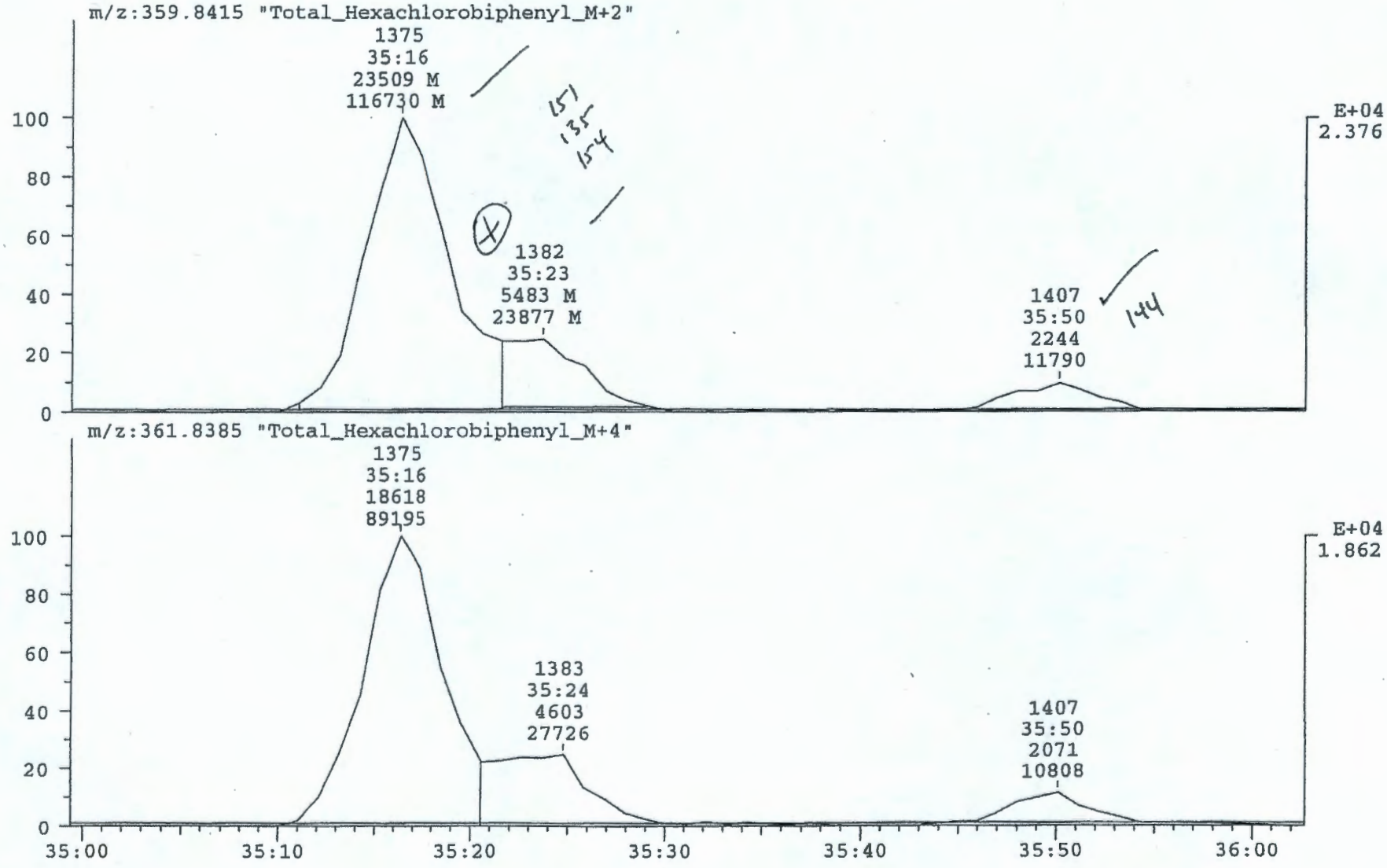
```
CHRO:  apj64jq                                   28-Sep-07   Elapse:  45:39       1961
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                    Start :  15:55:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                             Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001                 Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1796 > 2116            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 8                 Label :  -3, 3.0
Disp:  Height  Area
```



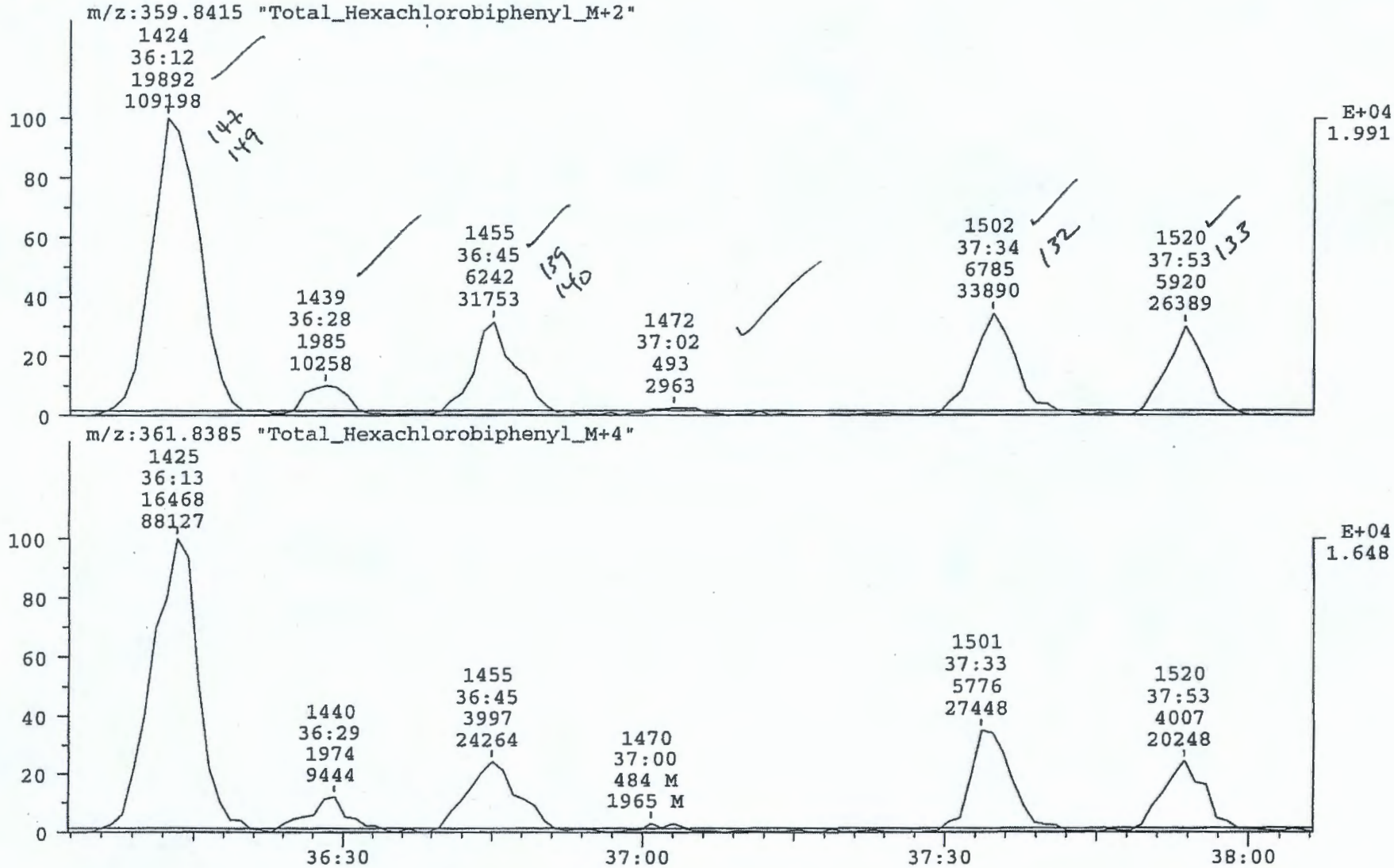
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  35:26      1385
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial 33
Peak:  100.00  ppm      Label wndw:   1220 > 1305        Masses:  181 > 510
Area:  5, 2.00, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



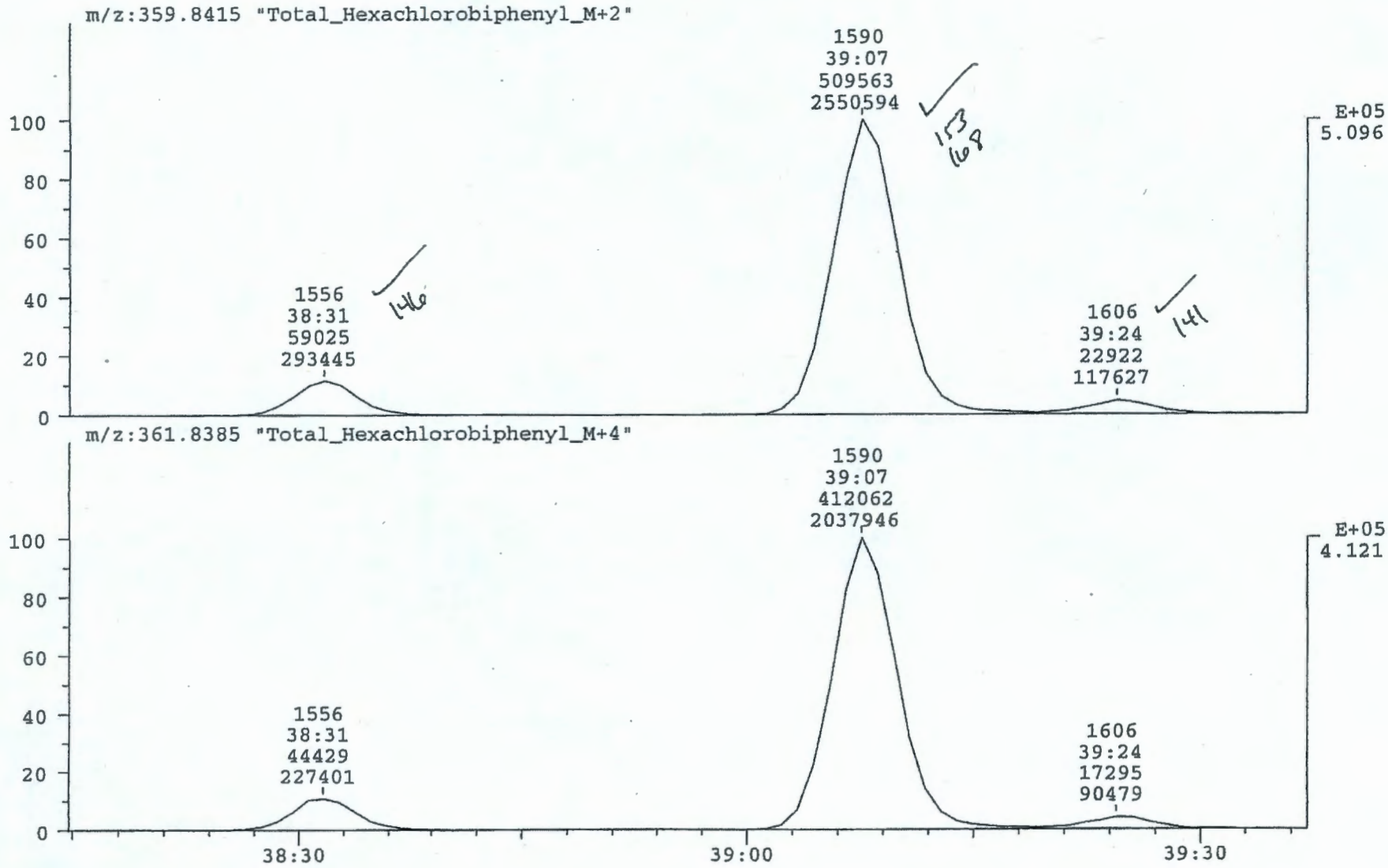
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  35:26      1385
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial 33
Peak:  100.00  ppm      Label wndw:   1359 > 1415        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



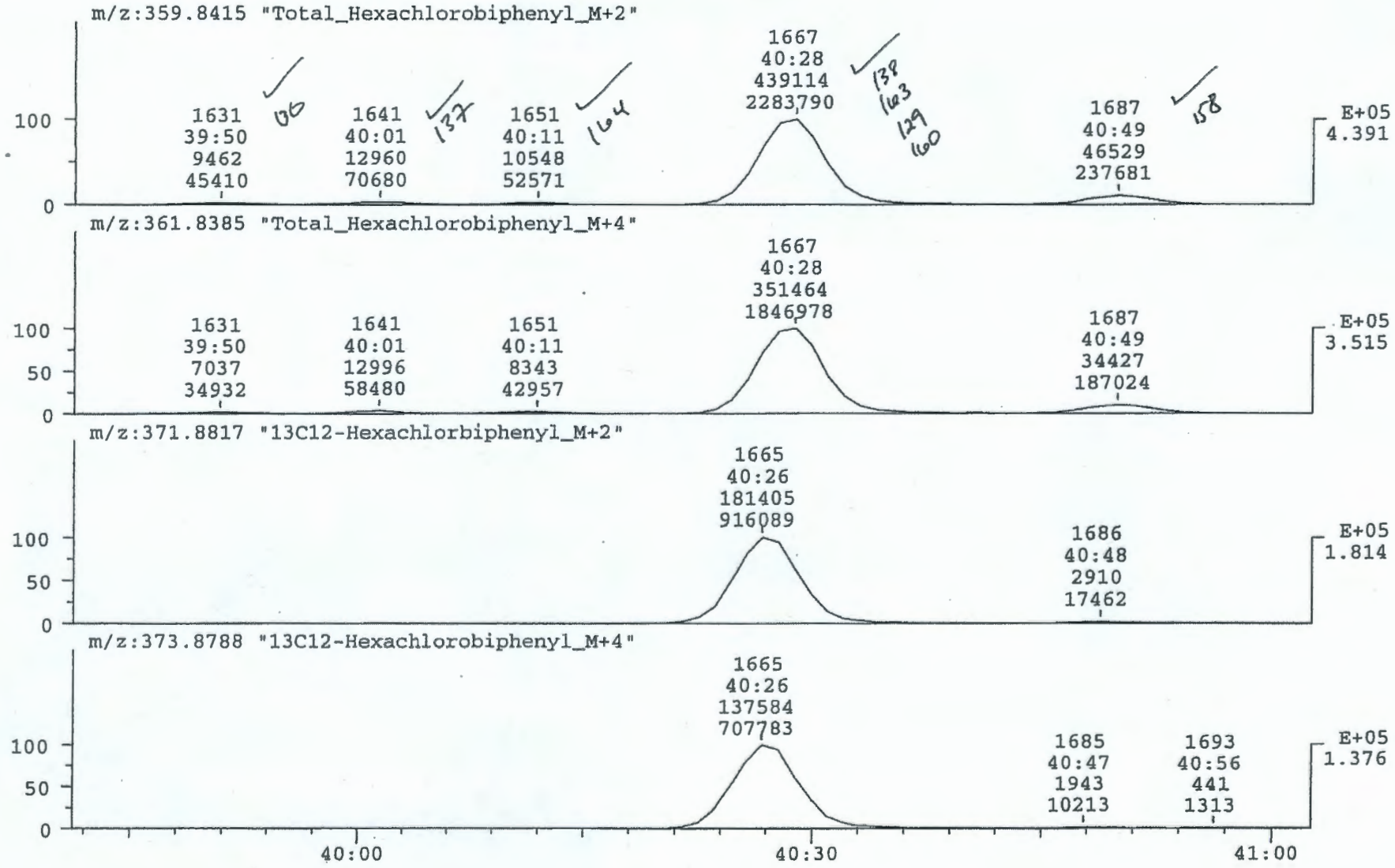
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  35:52      1409
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1415 > 1532        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



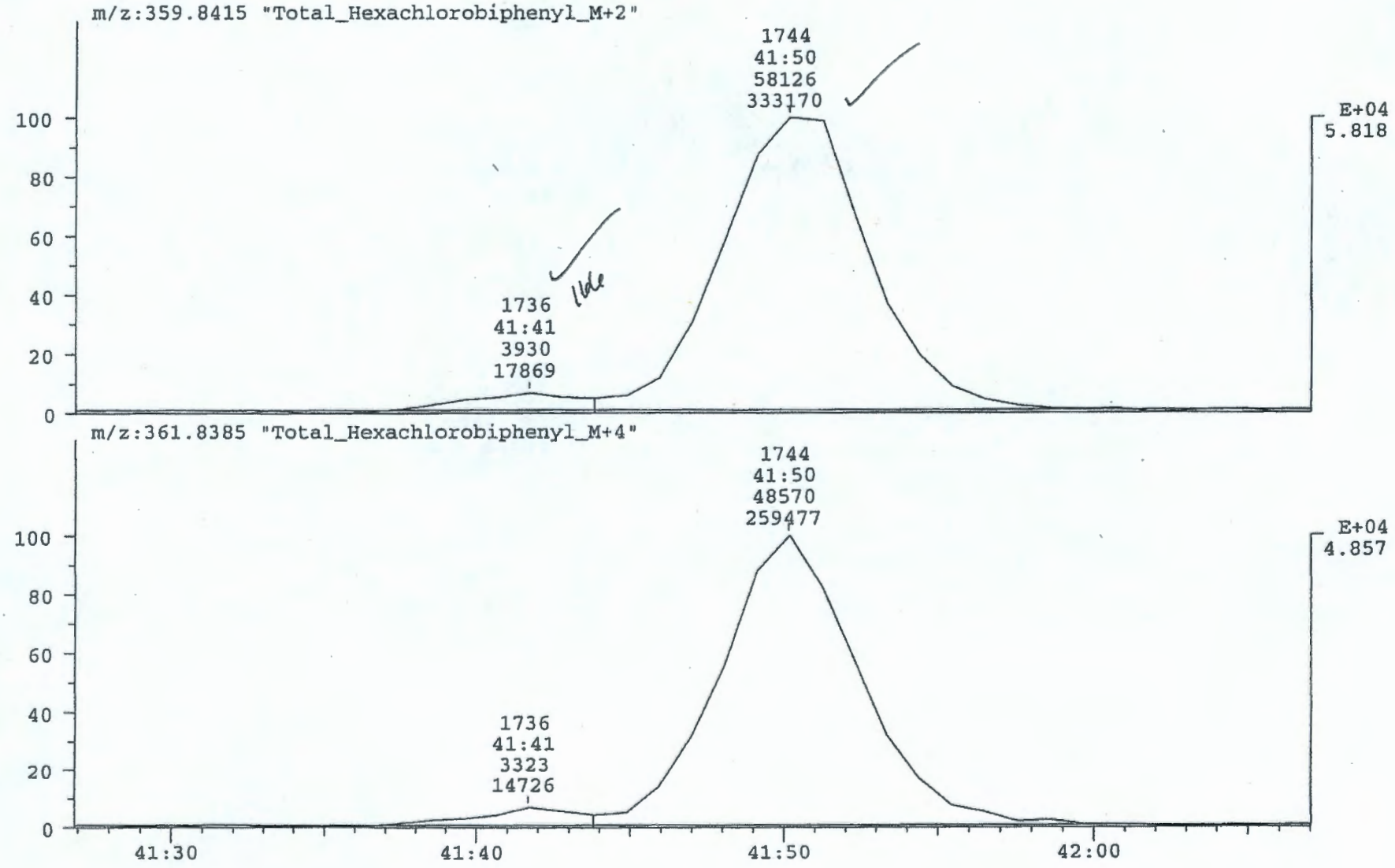
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  37:53      1520
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1540 > 1618         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



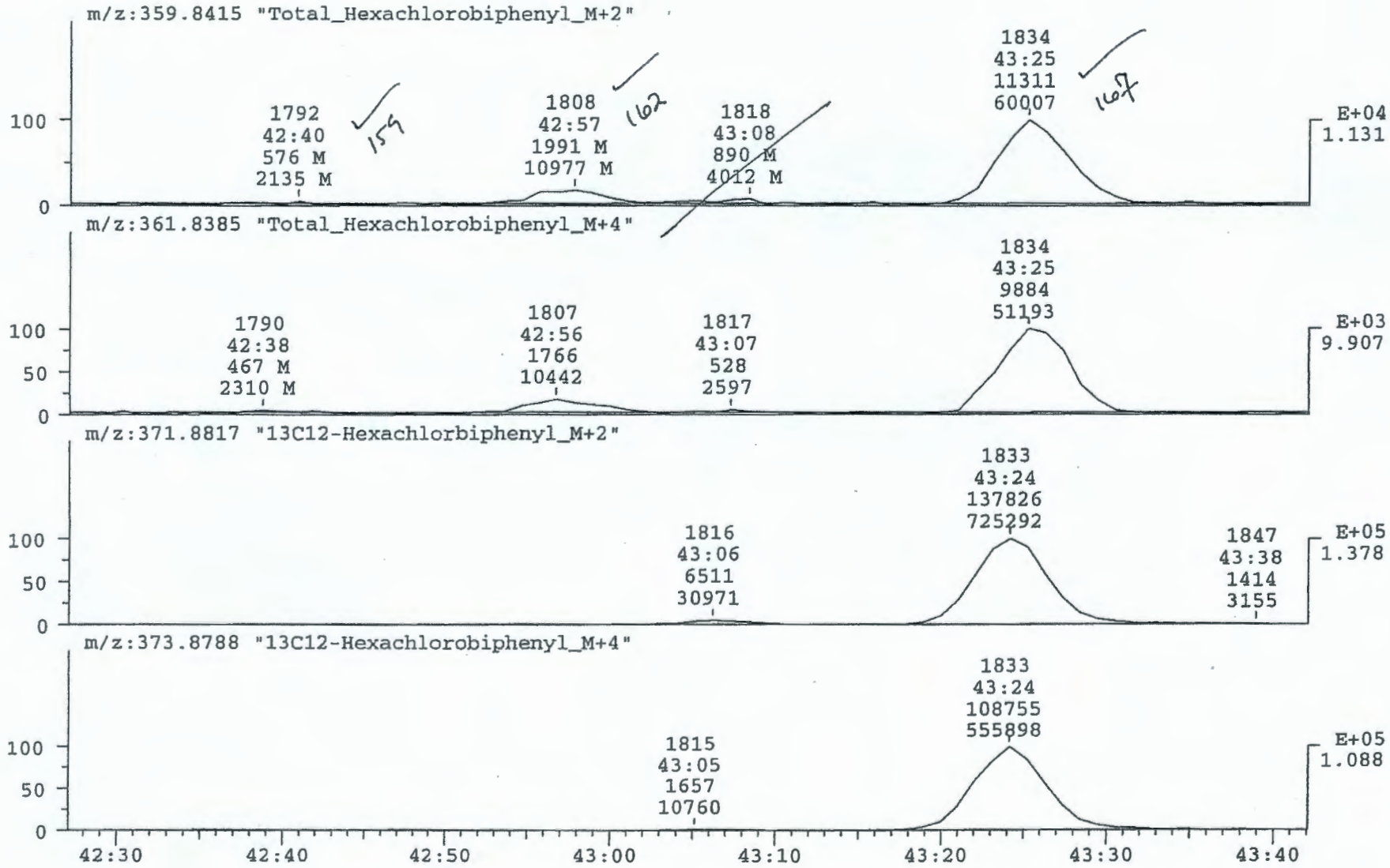
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  37:53      1520
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1622 > 1699         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



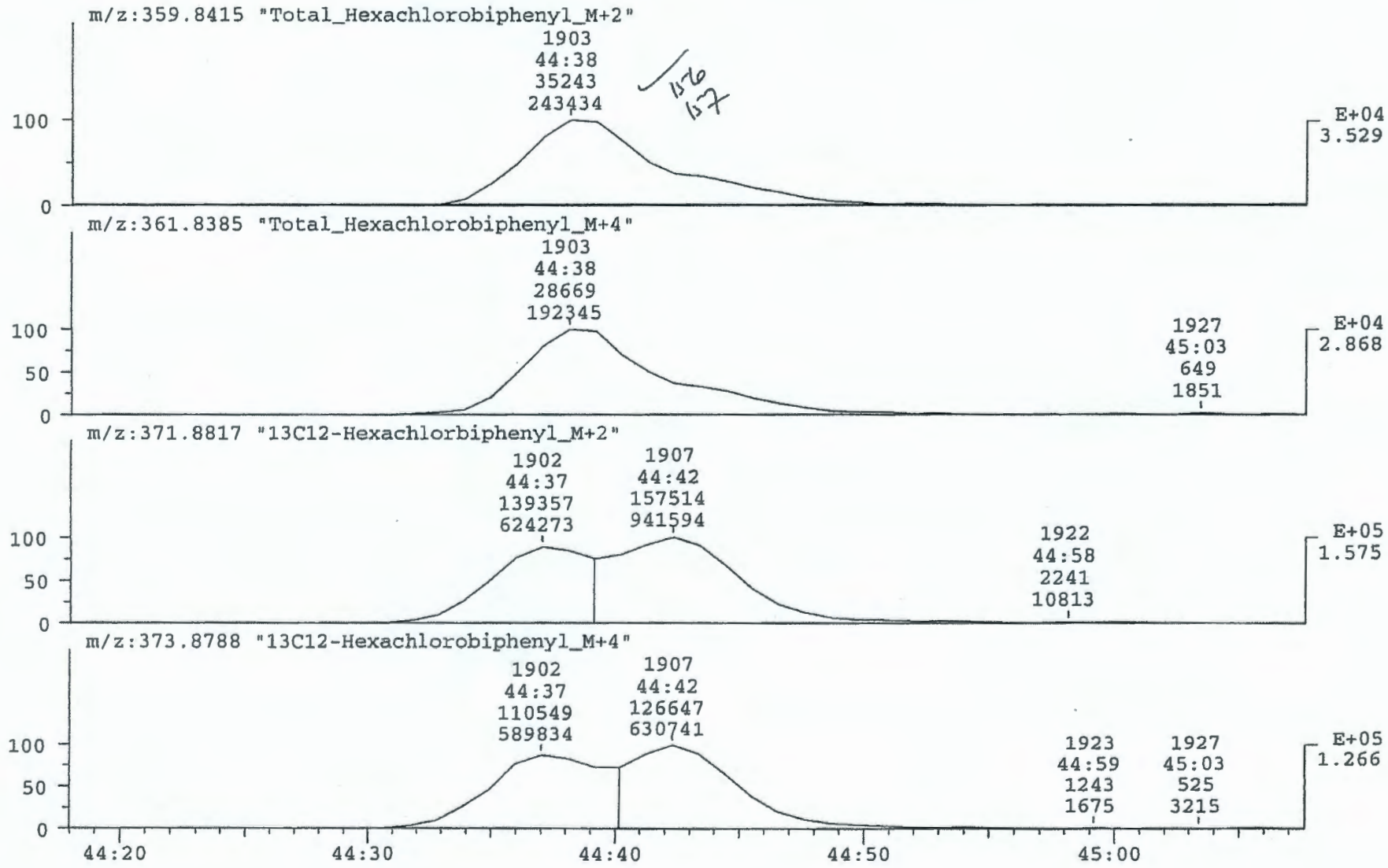
CHRO: apj64jq 28-Sep-07 Elapse: 37:53 1520
Samp: Vial 33 WO=j64jq1aa Meth=IE5 Dil=1 Start : 15:55:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001 Inlet : GC Vial 33
Peak: 100.00 ppm Label wndw: 1722 > 1760 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



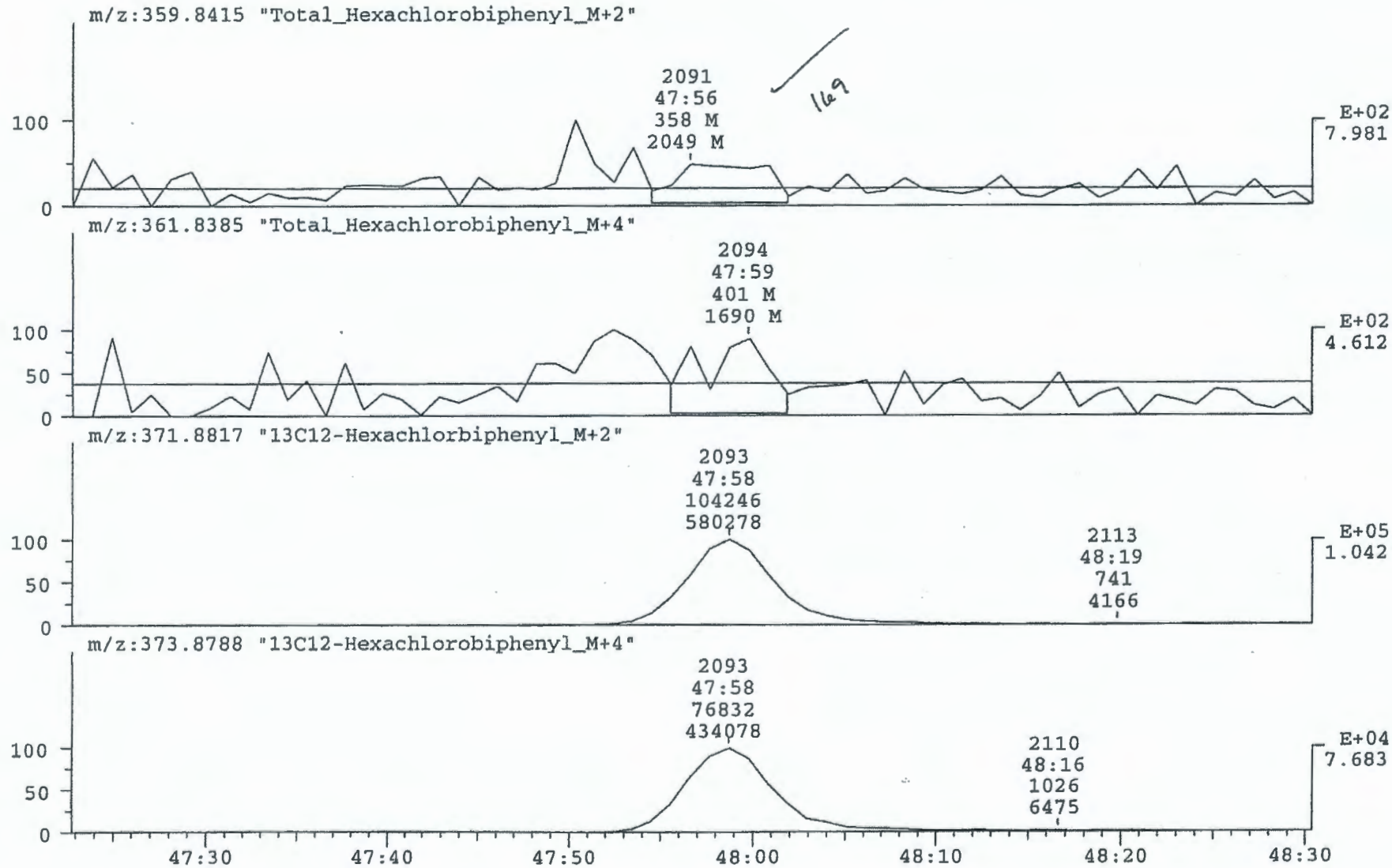
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  37:53      1520
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1779 > 1850        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -5, 3.0
Disp:  Height  Area
```



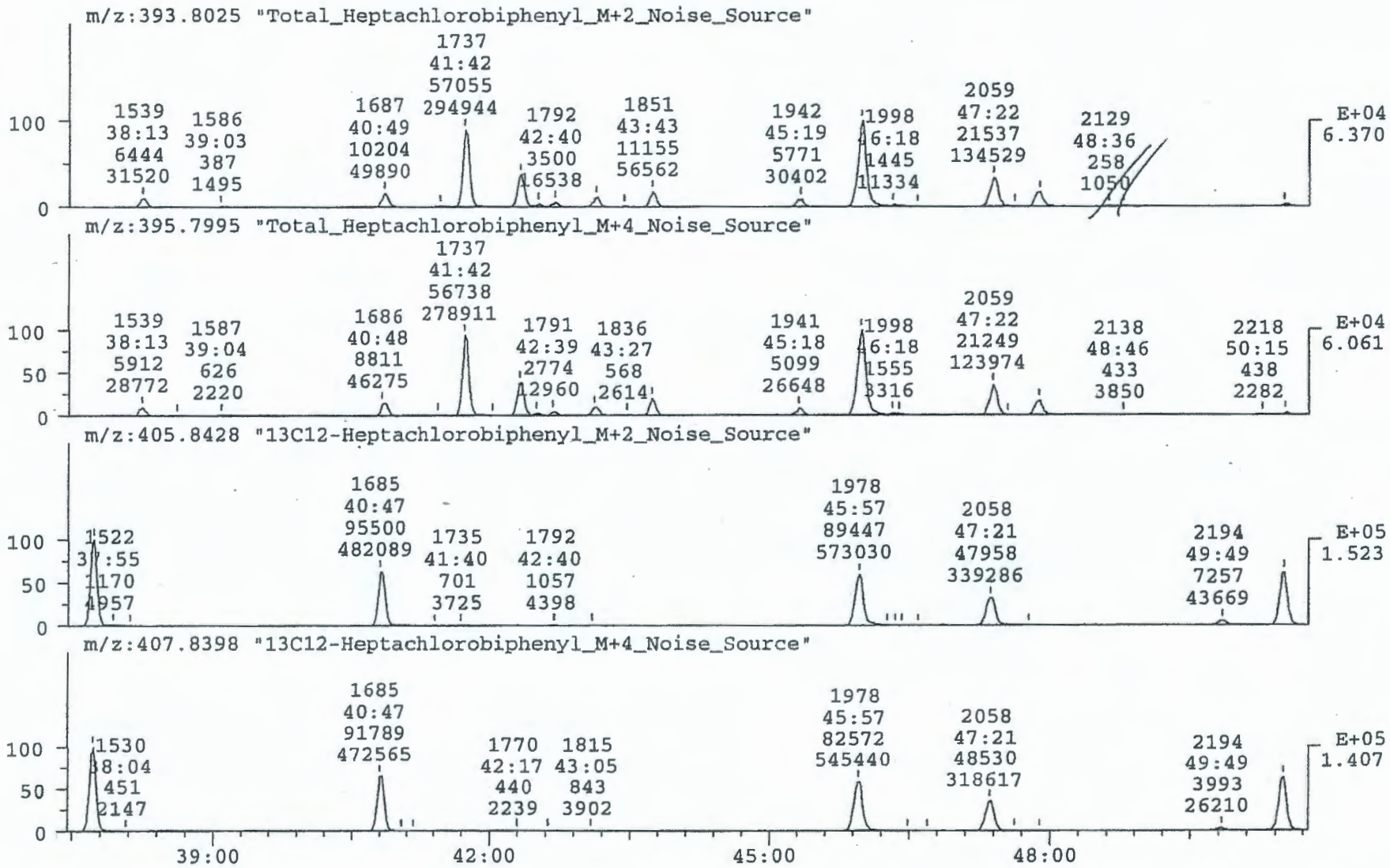
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  43:25      1834
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial  33
Peak:  100.00  ppm     Label wndw:   1884 > 1931         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



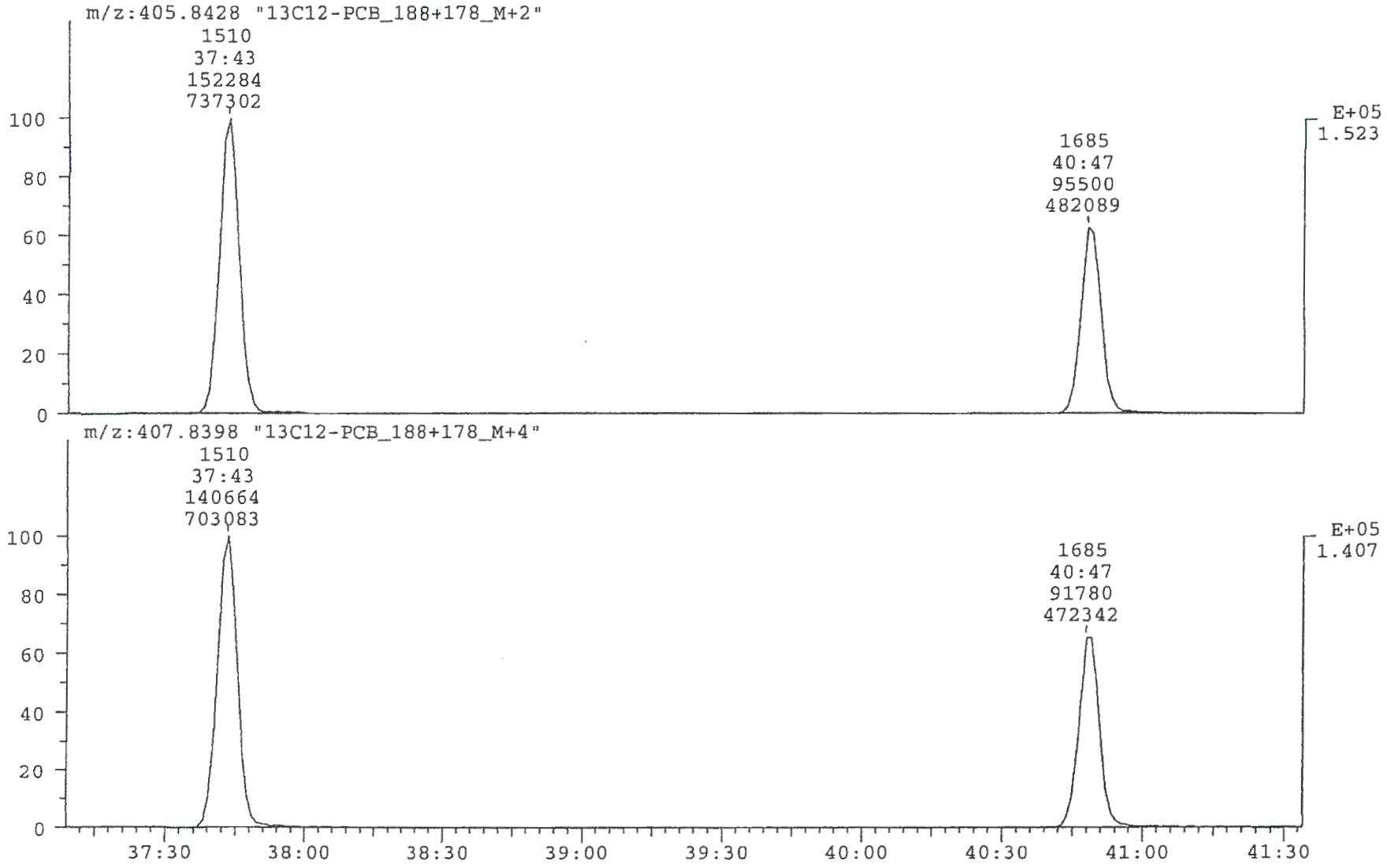
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  43:25      1834
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=mld/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   2059 > 2123         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -10, 3.0
Disp:  Height  Area
```



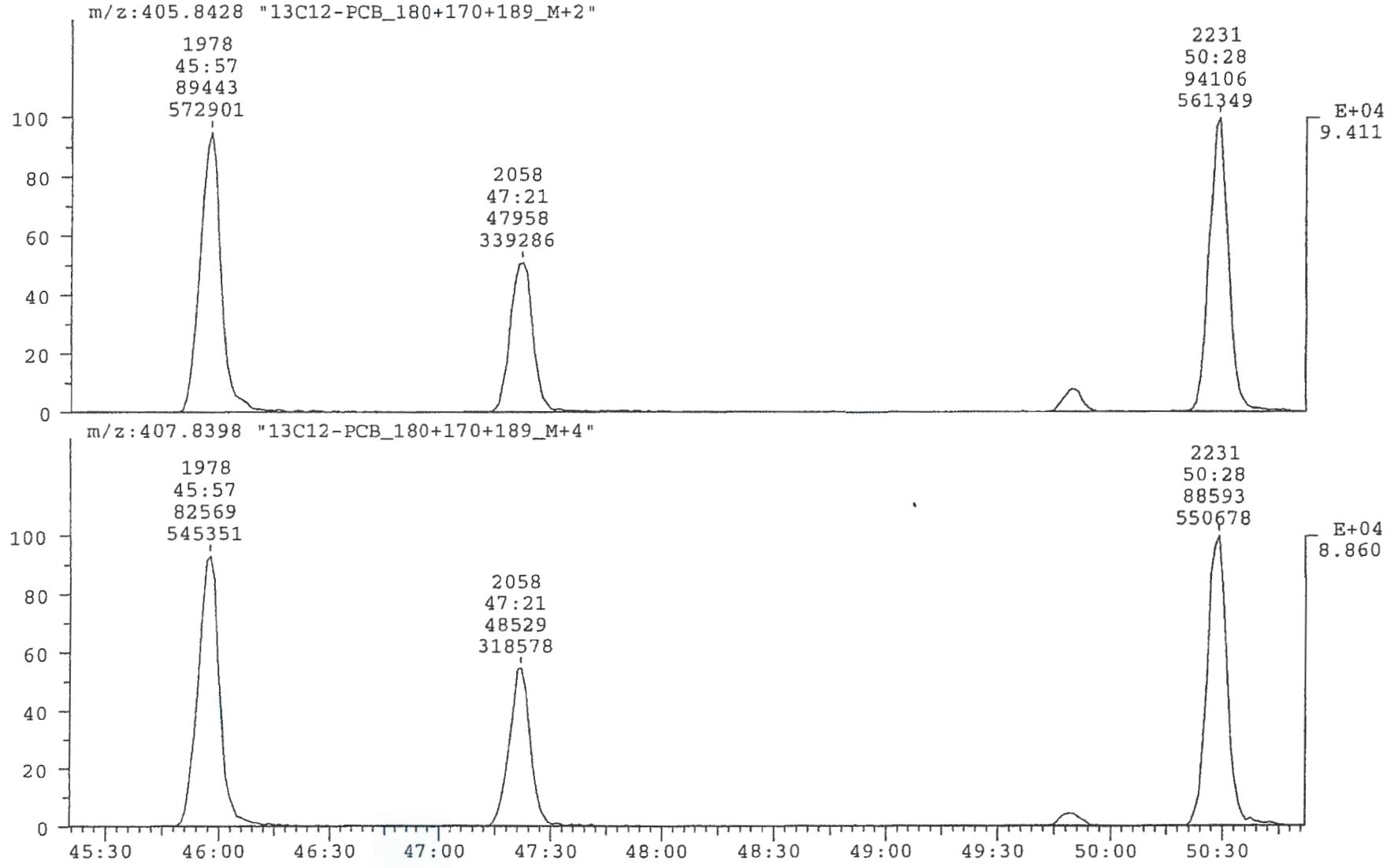
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  44:06      1873
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1495 > 2246        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



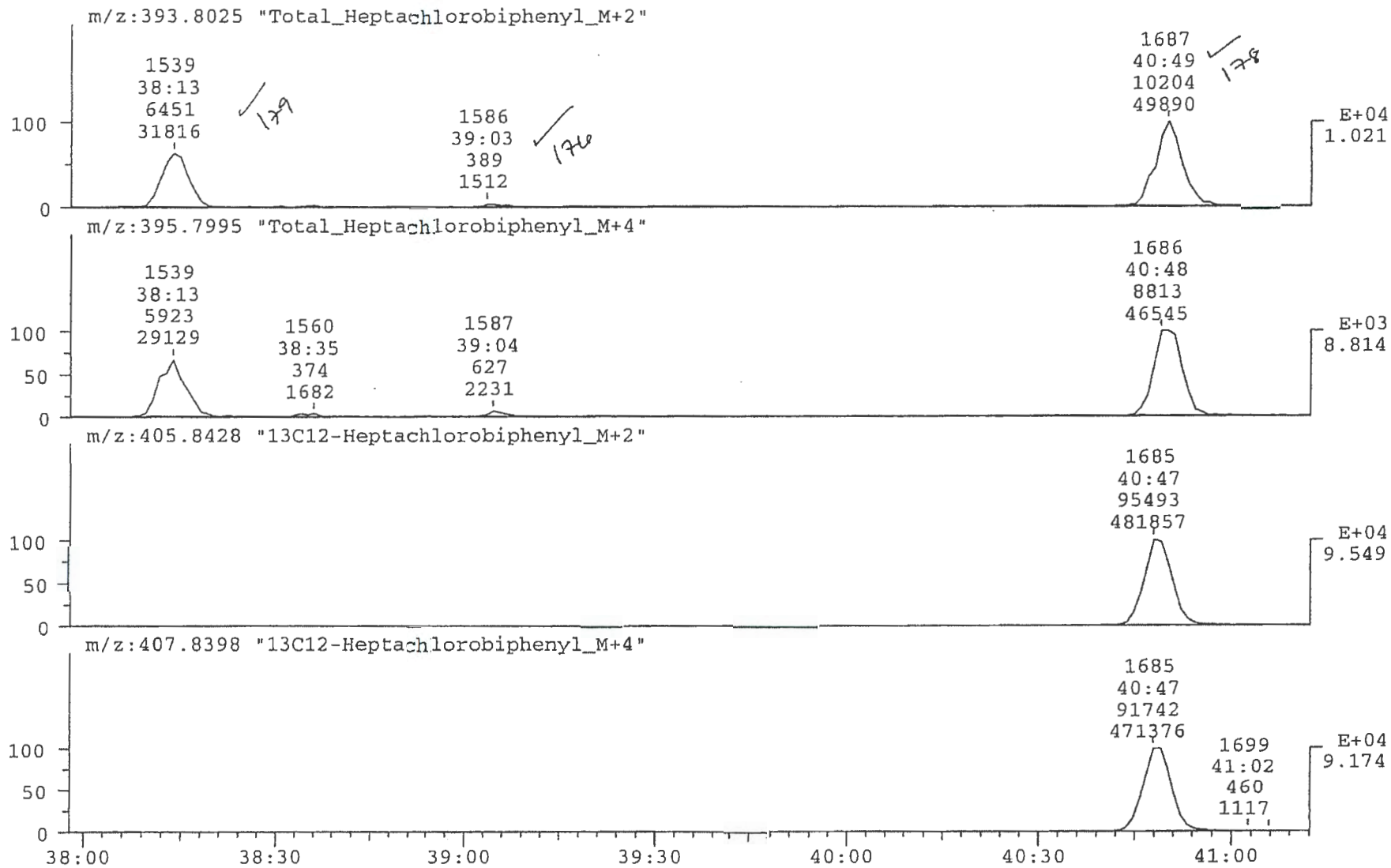
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  39:21      1603
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1478 > 1729         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



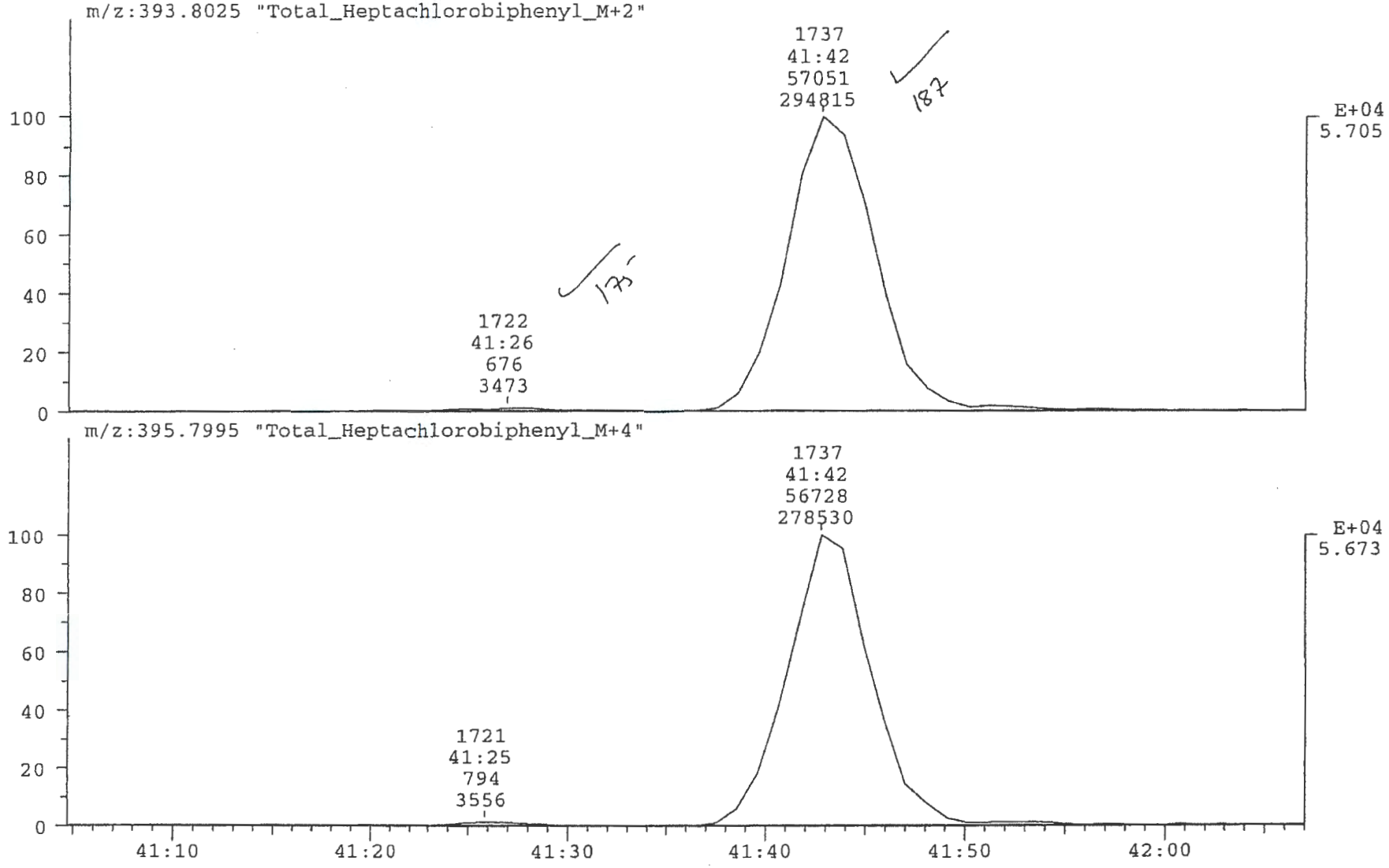
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  48:09      2103
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial 33
Peak:  100.00  ppm      Label wndw:   1943 > 2253         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



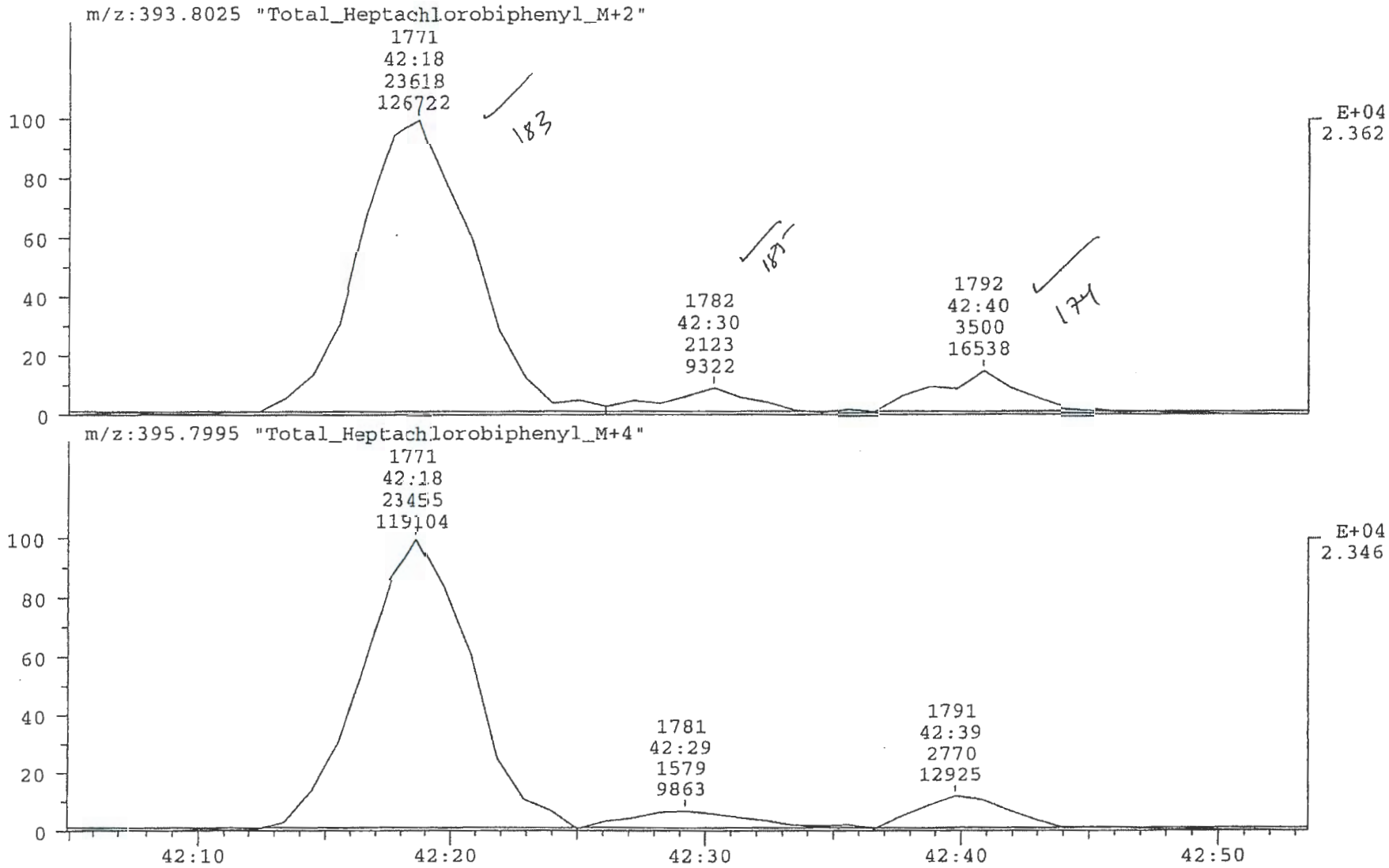
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  43:25      1834
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1524 > 1708         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



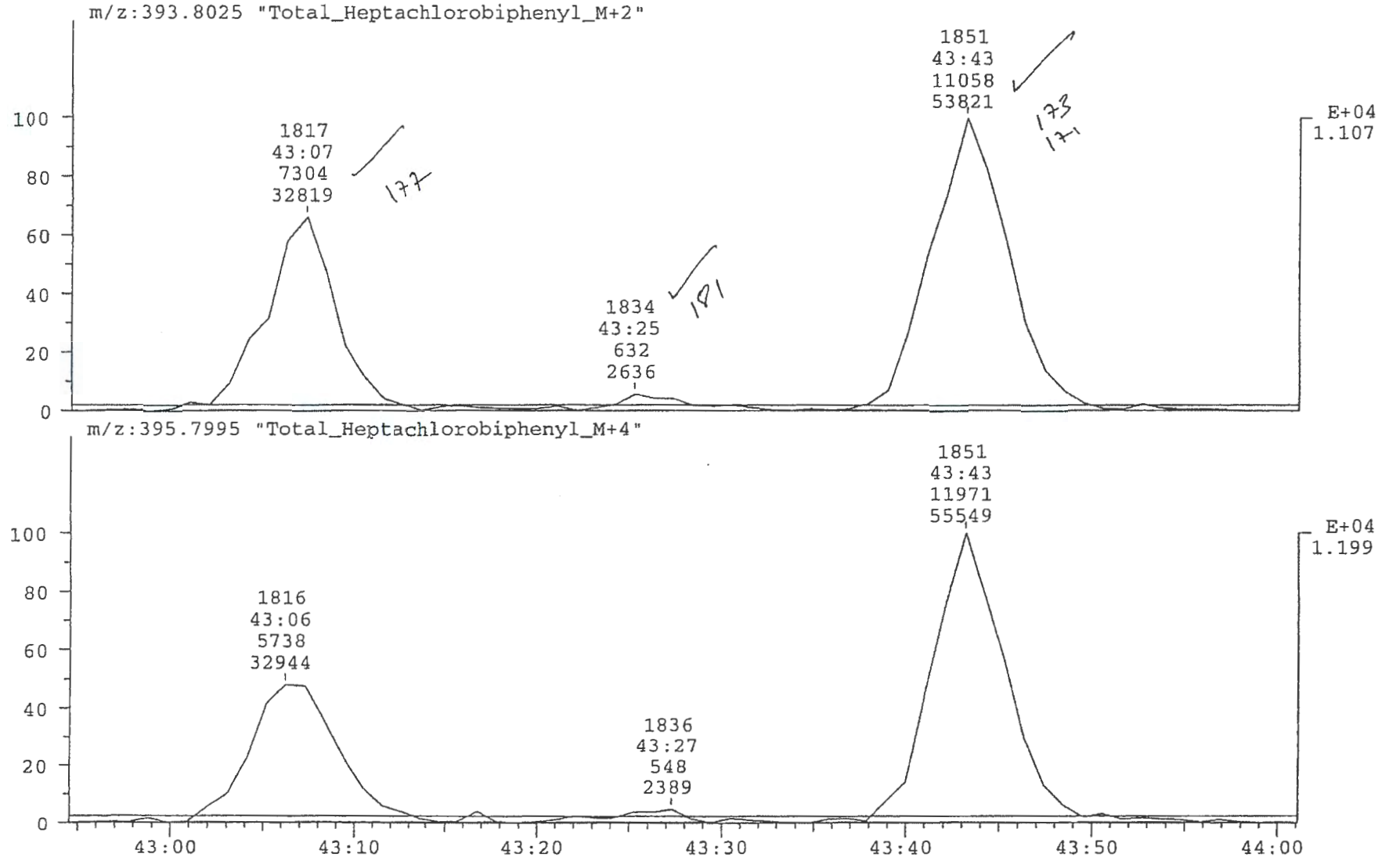
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  43:25      1834
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1701 > 1760         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



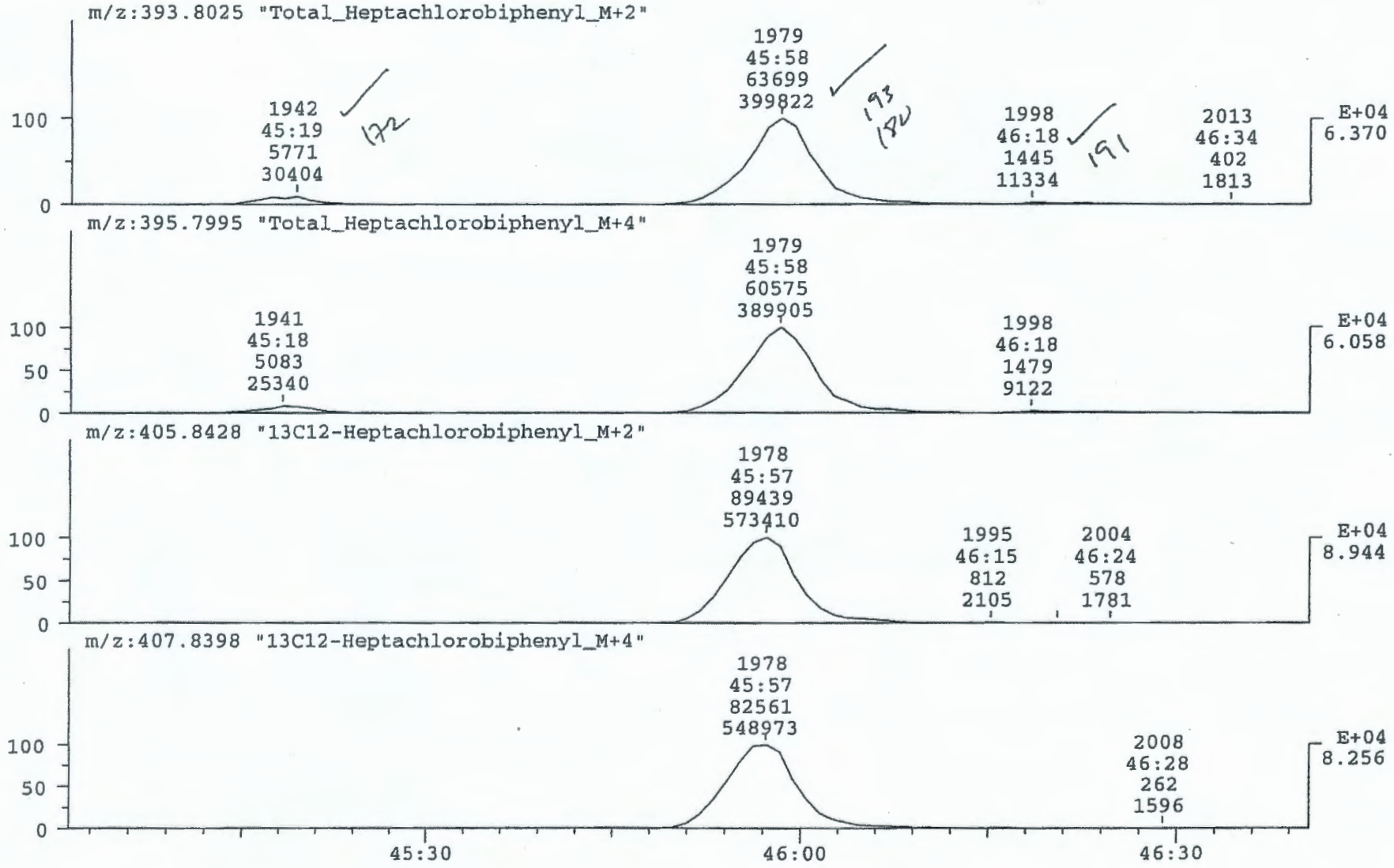
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  43:25      1834
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial  33
Peak:  100.00  ppm     Label wndw:   1758 > 1804         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



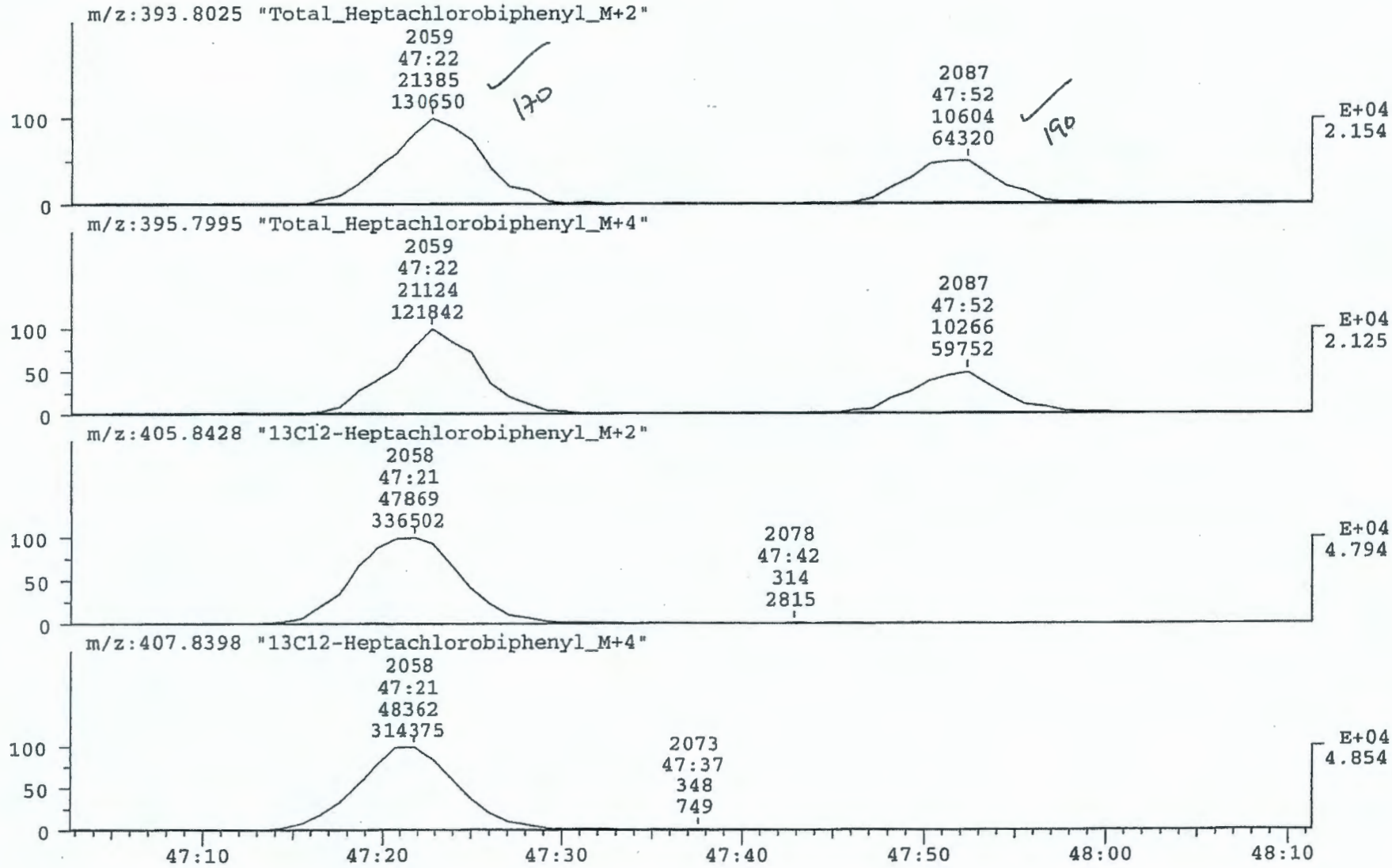
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  43:25      1834
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1805 > 1868         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



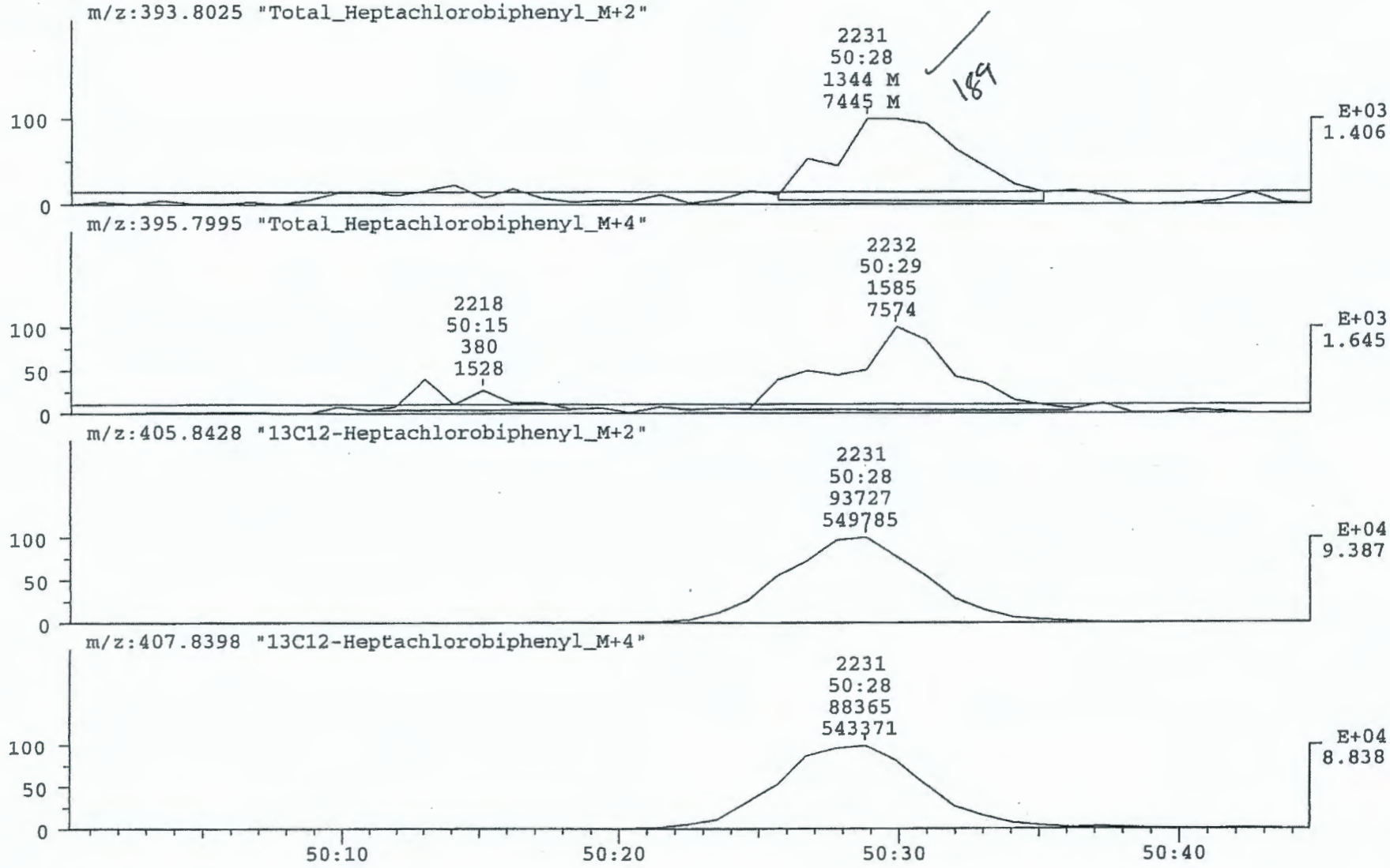
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  43:44      1852
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial 33
Peak:  100.00  ppm      Label wndw:   1925 > 2019        Masses:  181 > 510
Area:  5, 0.50, 0       Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



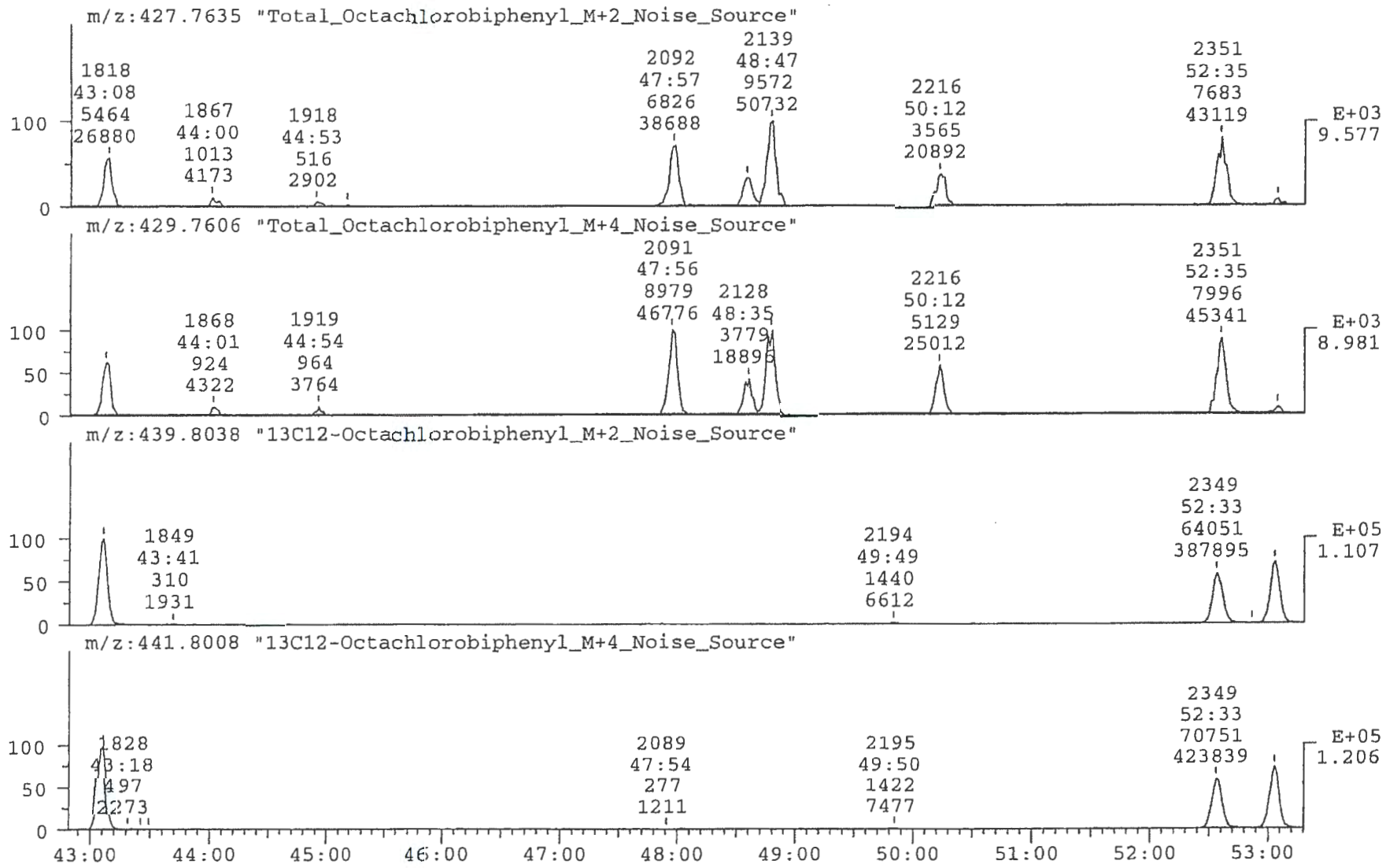
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  46:20      2000
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   2040 > 2105        Masses:  181 > 510
Area:  5, 3.00, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



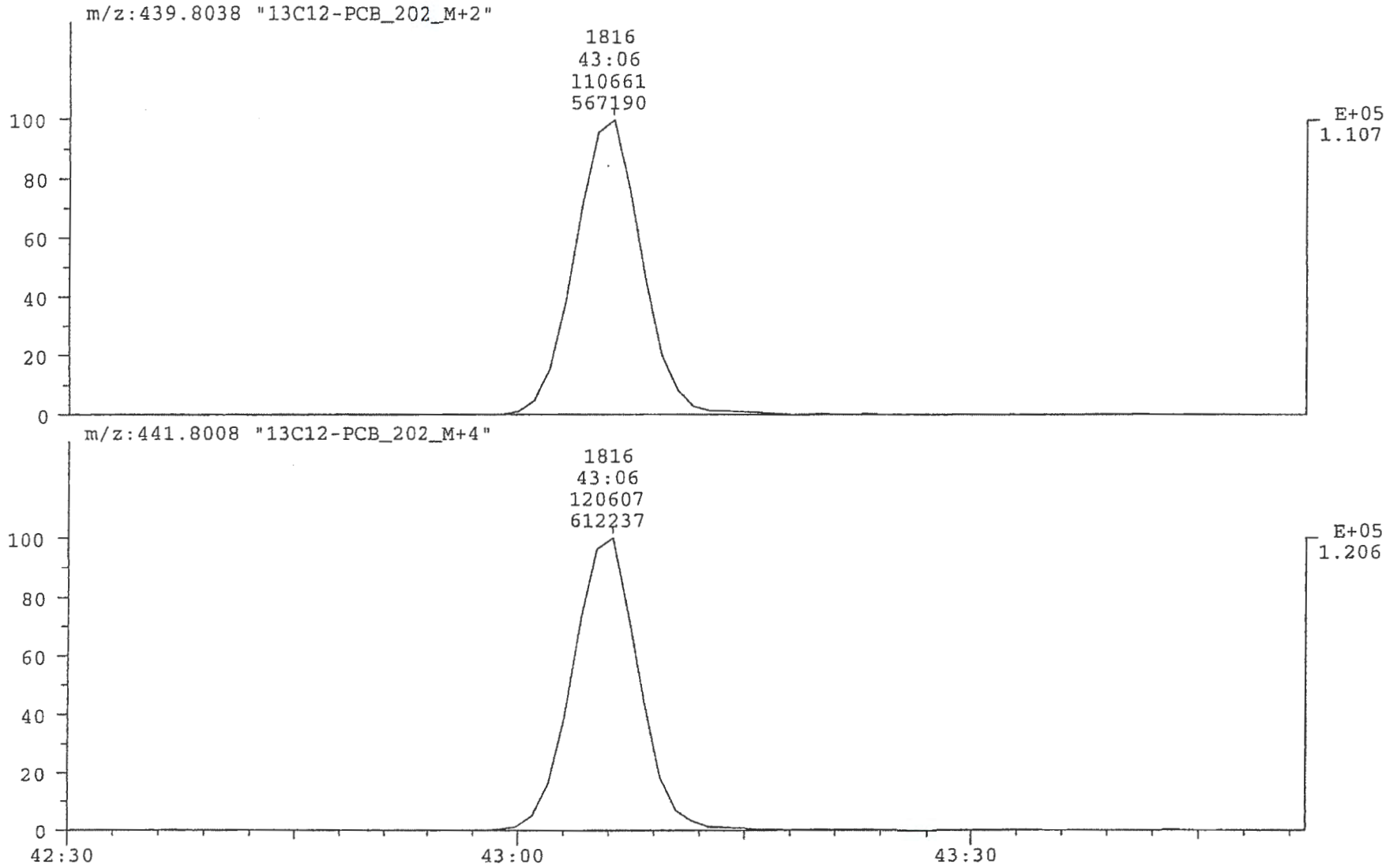
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  46:18      1998
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   2204 > 2246        Masses:  181 > 510
Area:  5, 2.00, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



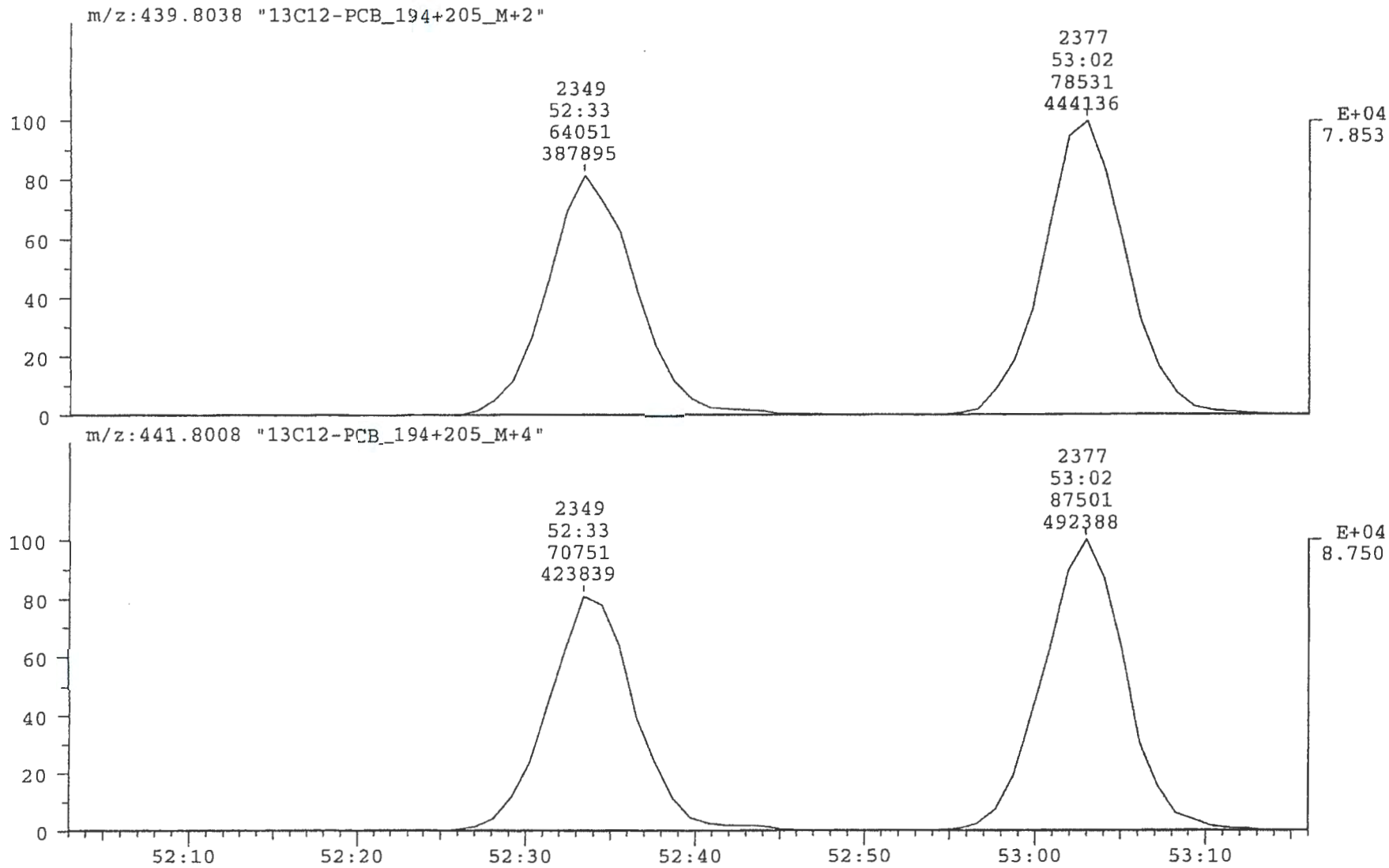
CHRO: apj64jq 28-Sep-07 Elapse: 48:02 2097
Samp: Vial 33 WO=j64jq1aa Meth=IE5 Dil=1 Start : 15:55:25 2602
Comm: Inst=mld/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001 Inlet : GC Vial 33
Peak: 100.00 ppm Label wndw: 1800 > 2391 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



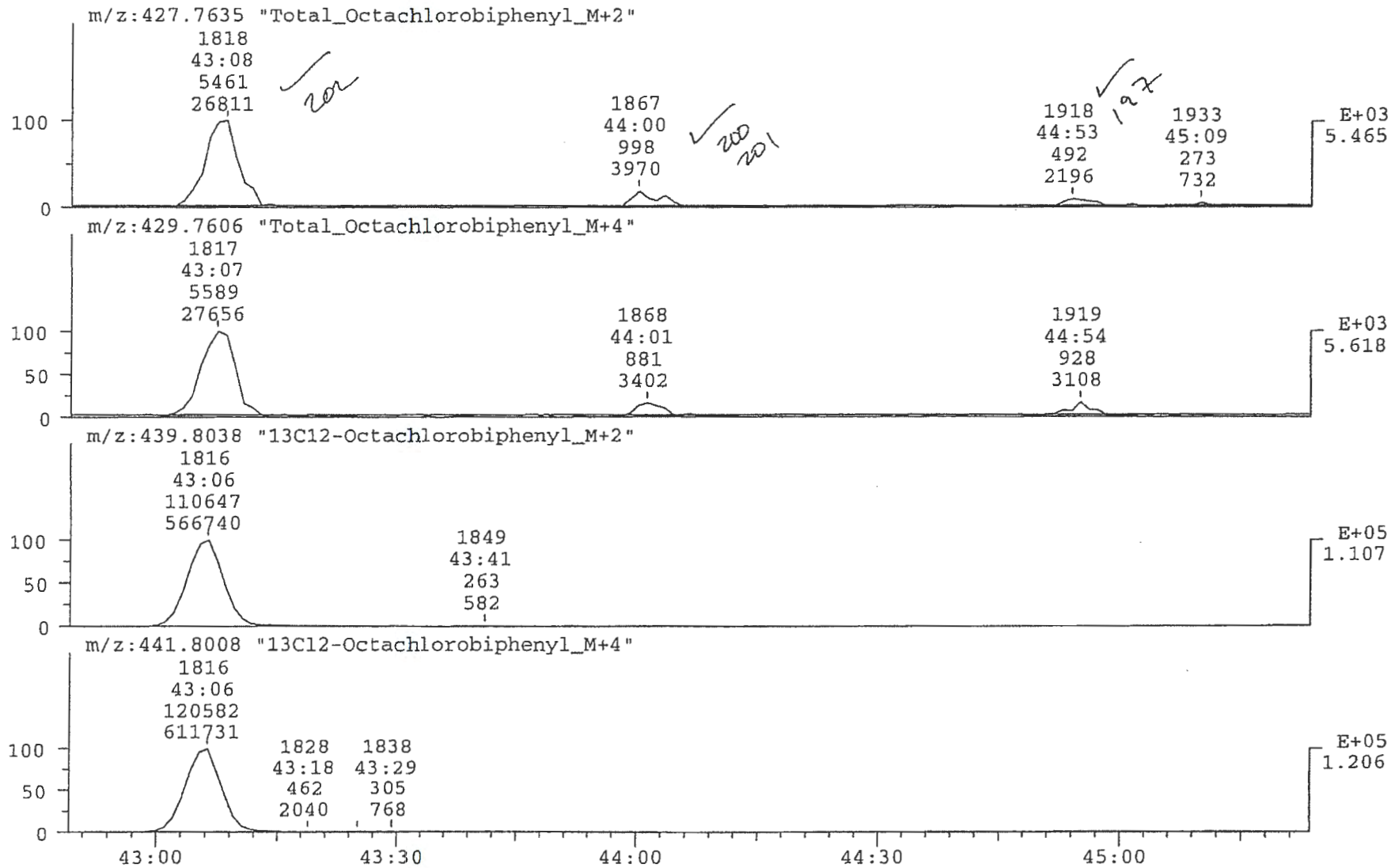
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  43:08      1818
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1782 > 1859         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



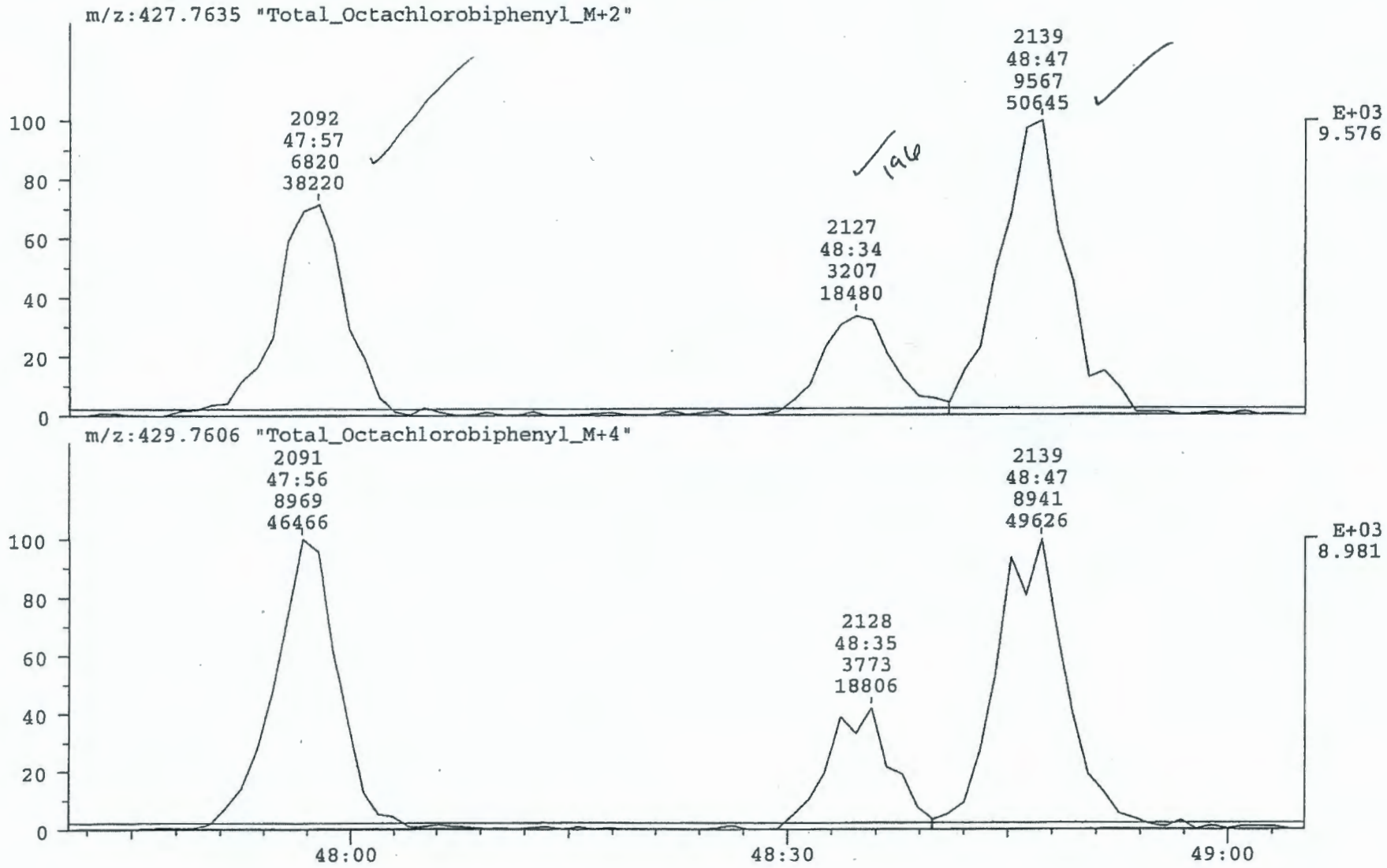
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  52:38      2354
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial  33
Peak:  100.00  ppm     Label wndw:   2320 > 2389         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



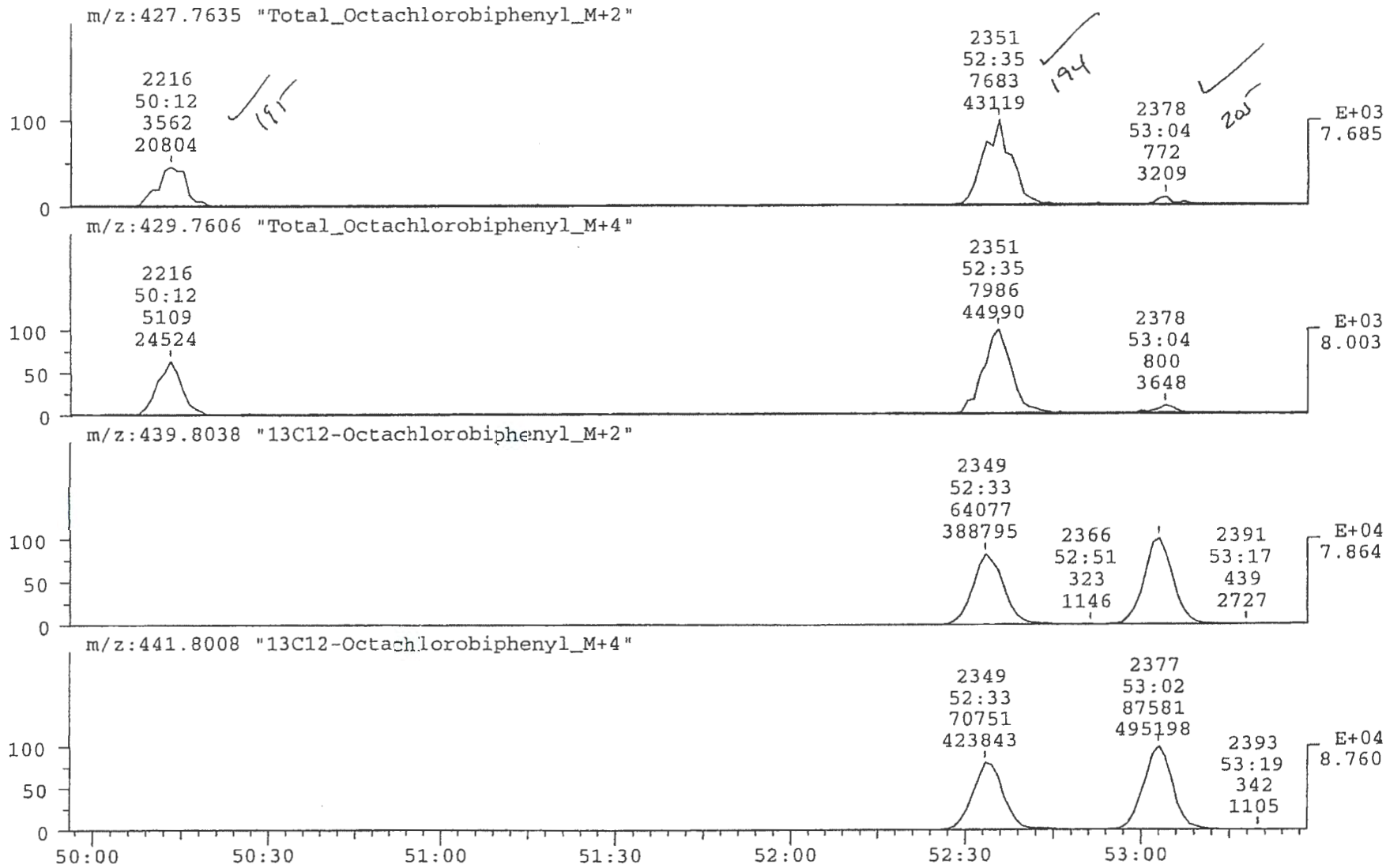
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  46:18      1998
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1800 > 1946         Masses:  181 > 510
Area:  5, 2.00, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



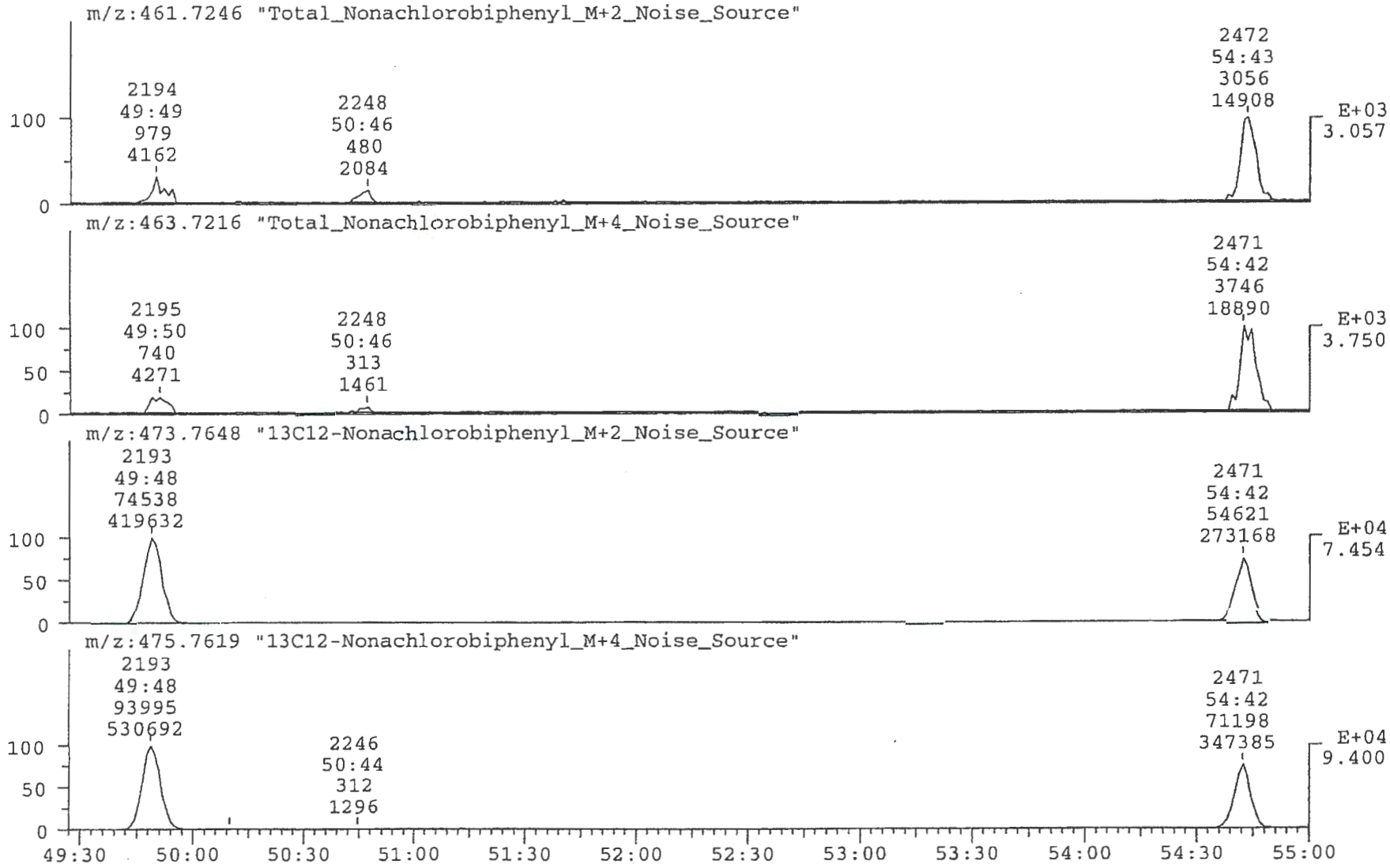
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  46:18      1998
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   2076 > 2156         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



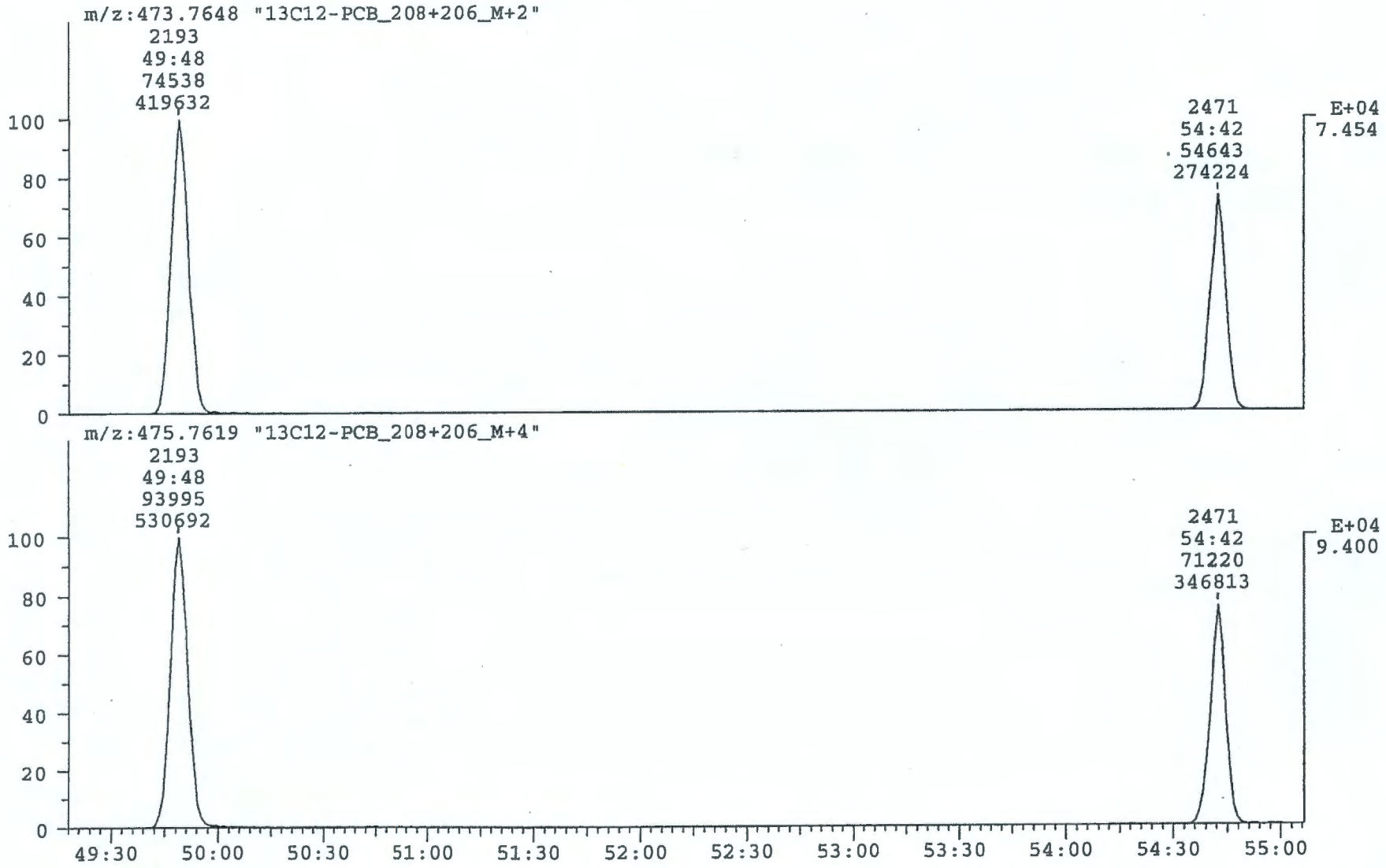
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  46:18      1998
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   2200 > 2401        Masses:  181 > 510
Area:  5, 1.00, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



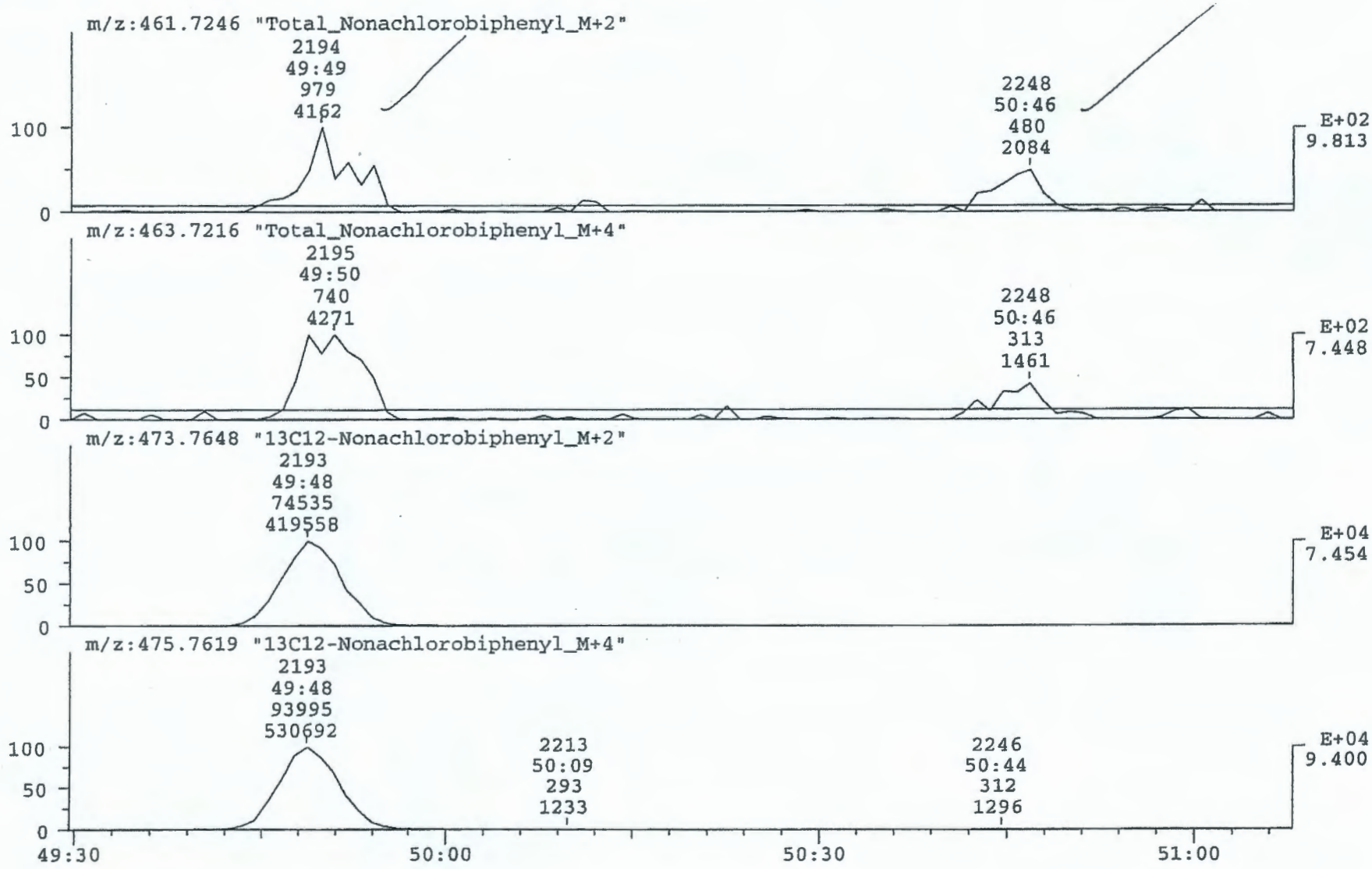
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  52:13      2330
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001             Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   2173 > 2488        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



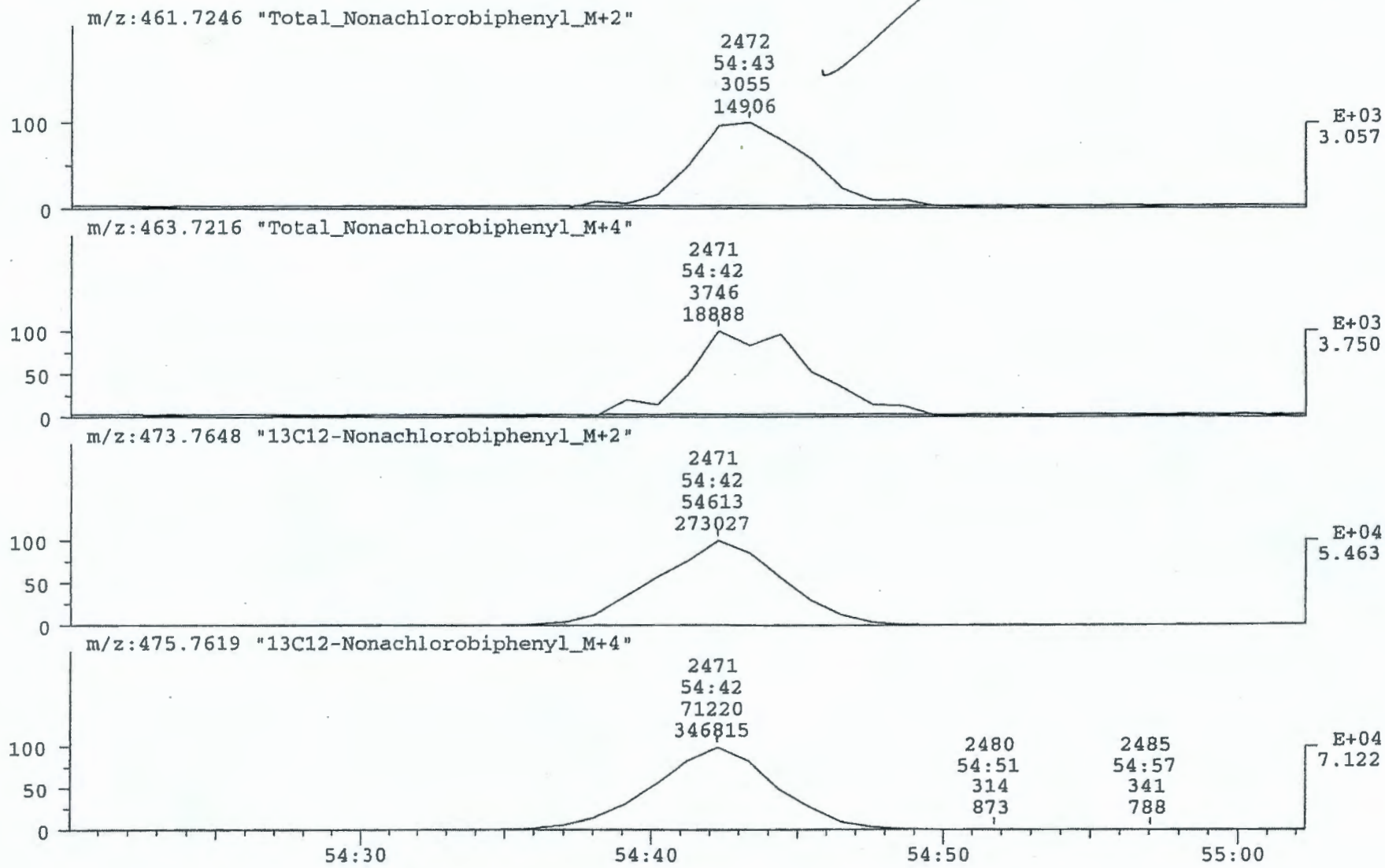
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  52:12      2329
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial  33
Peak:  100.00  ppm    Label wndw:   2164 > 2494          Masses:  181 > 510
Area:  5, 0.50, 15    Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



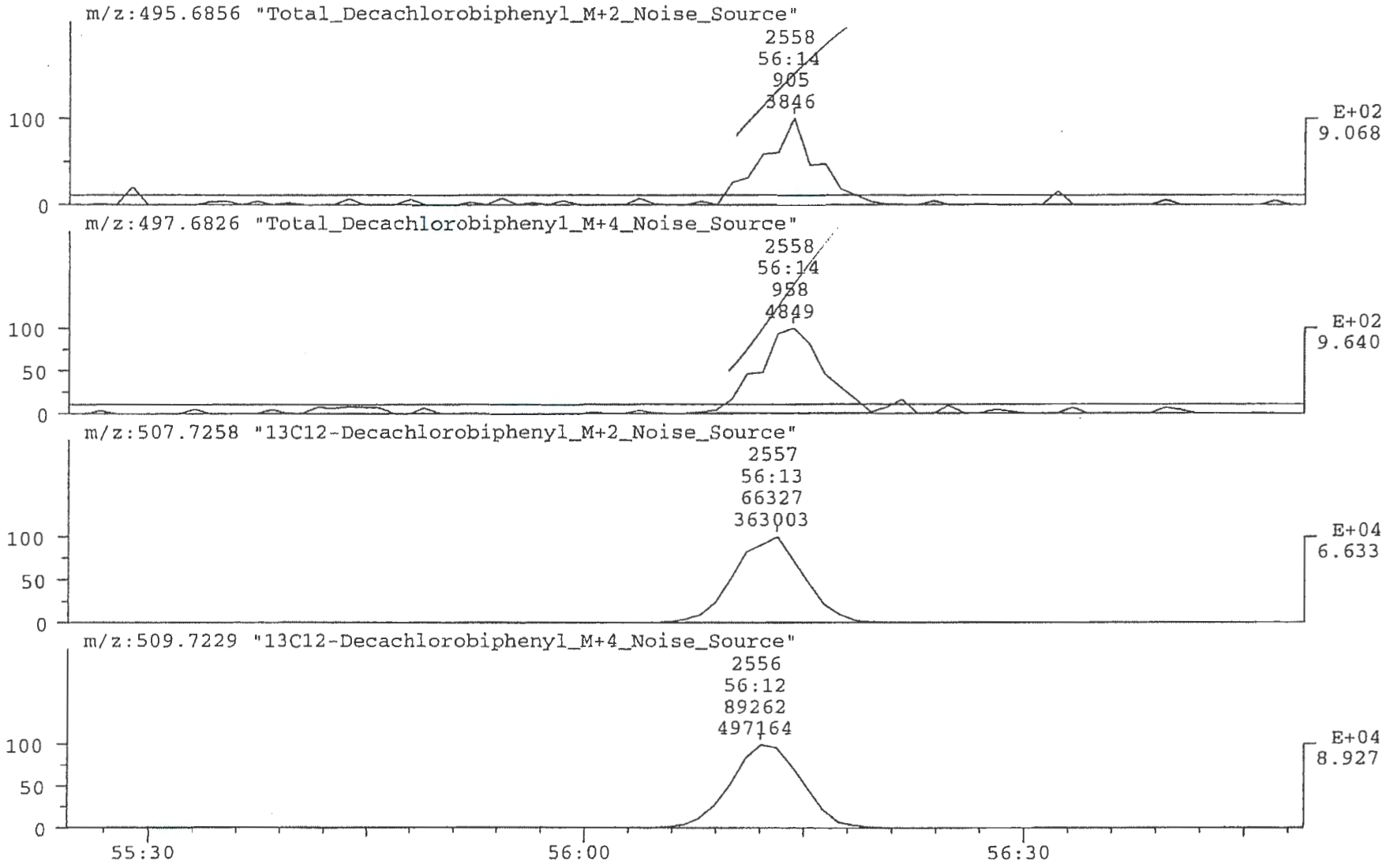
```
CHRO:  apj64jq                                28-Sep-07  Elapse:  46:18      1998
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial  33
Peak:  100.00  ppm    Label wndw:   2175 > 2268          Masses:  181 > 510
Area:  5, 0.50, 15    Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



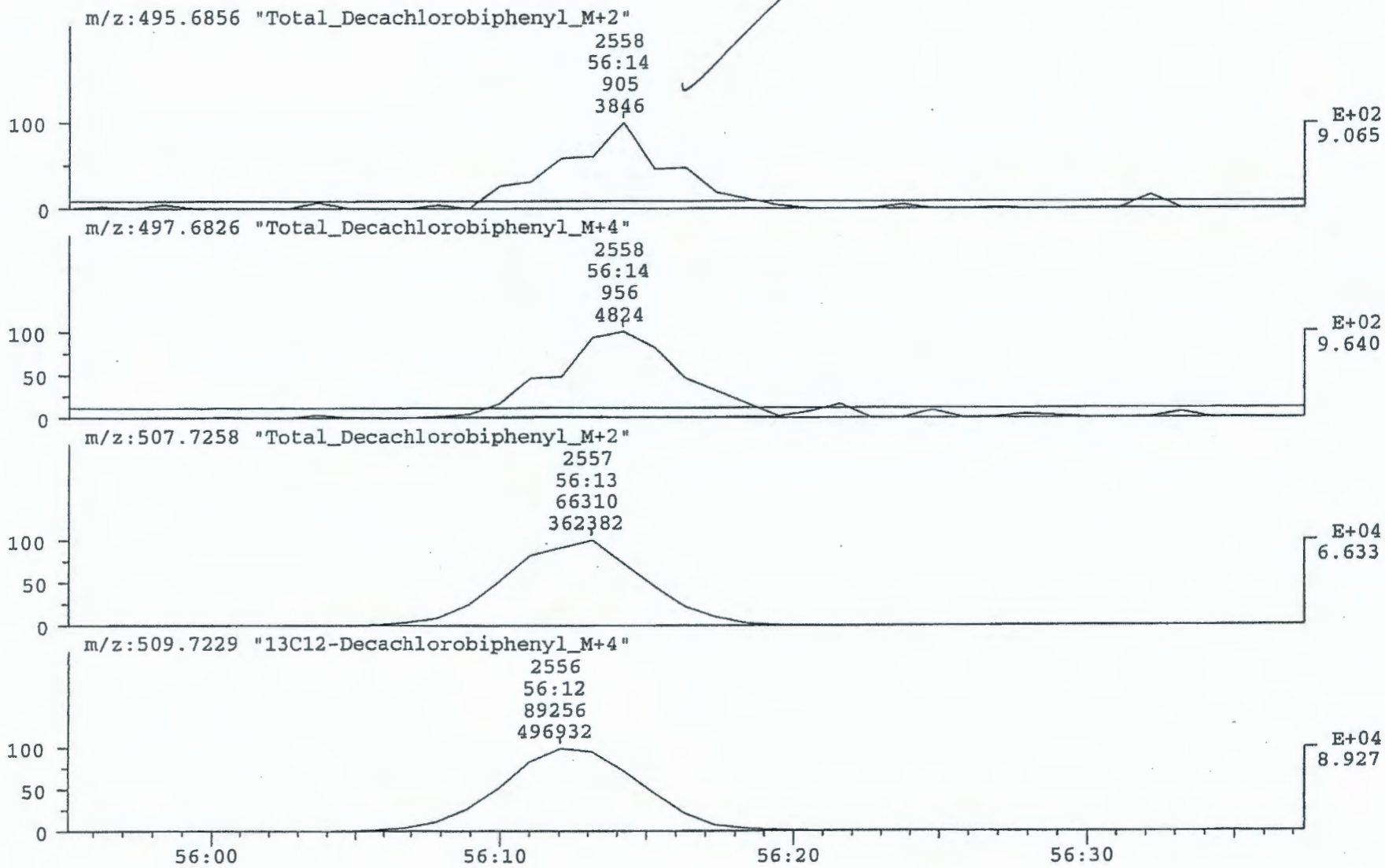
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  46:18      1998
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001                Inlet :  GC     Vial 33
Peak:  100.00  ppm     Label wndw:   2450 > 2490          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



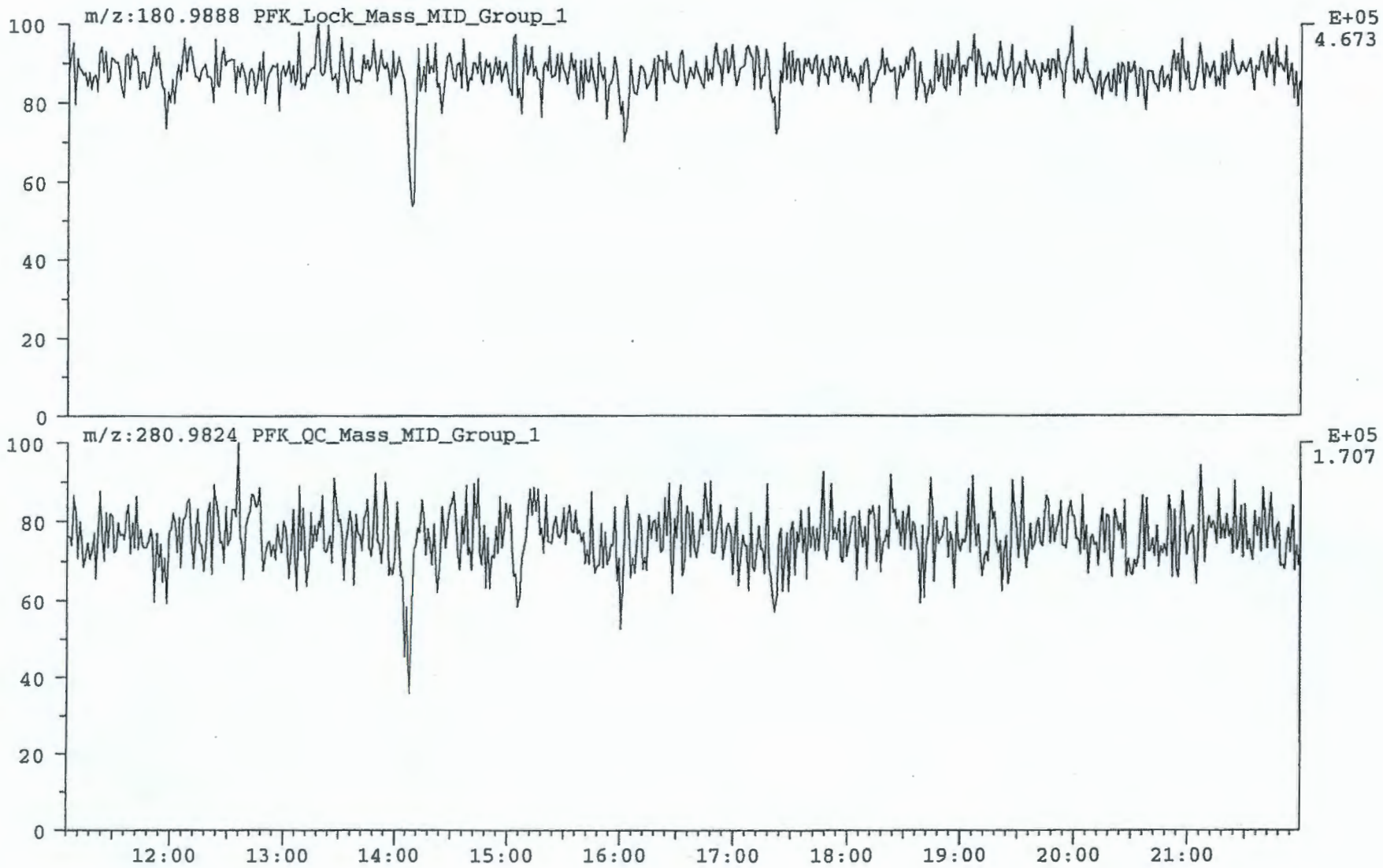
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  56:12      2556
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   2511 > 2591         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



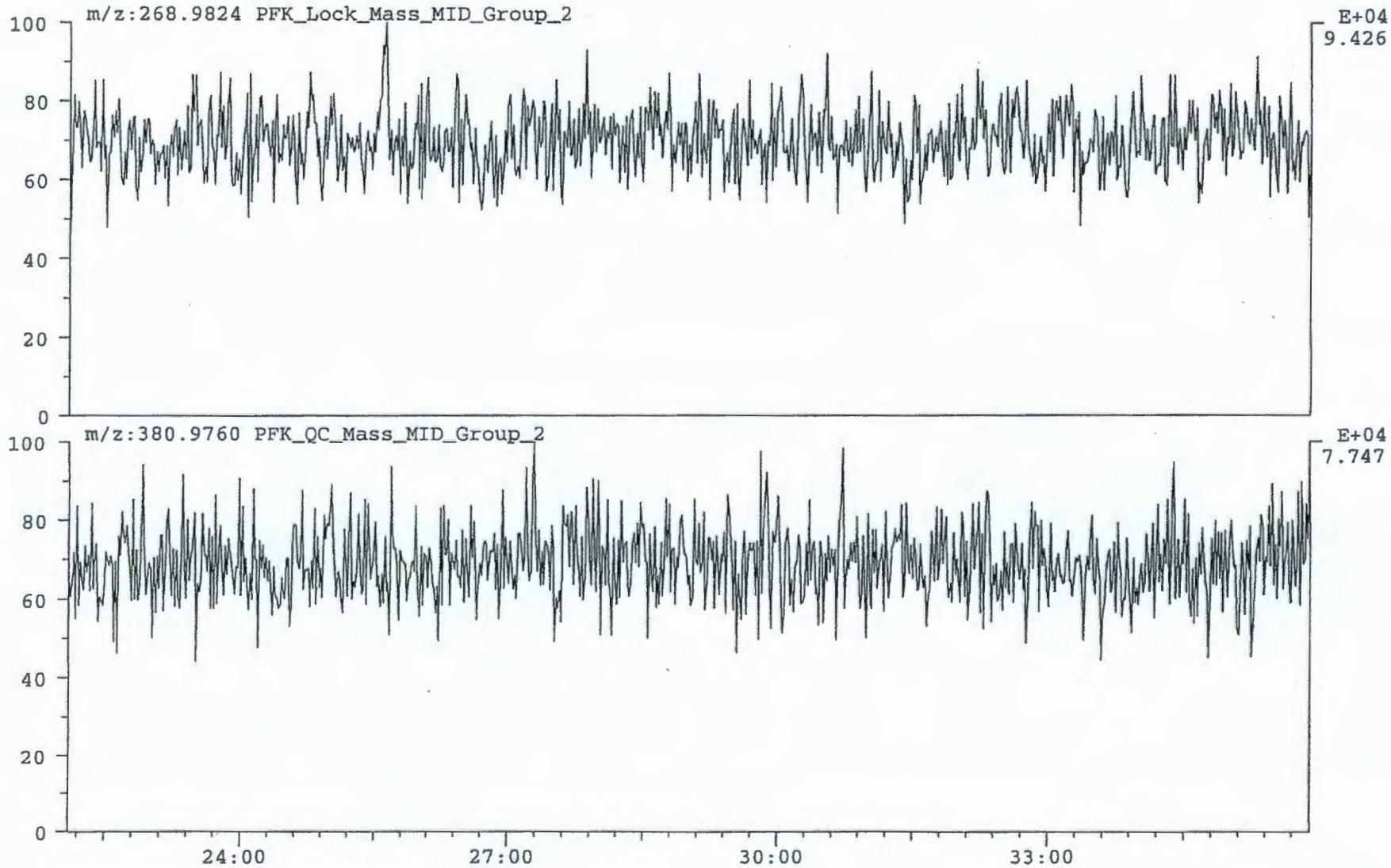
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  46:18      1998
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   2540 > 2580         Masses:  181 > 510
Area:  5, 1.00, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



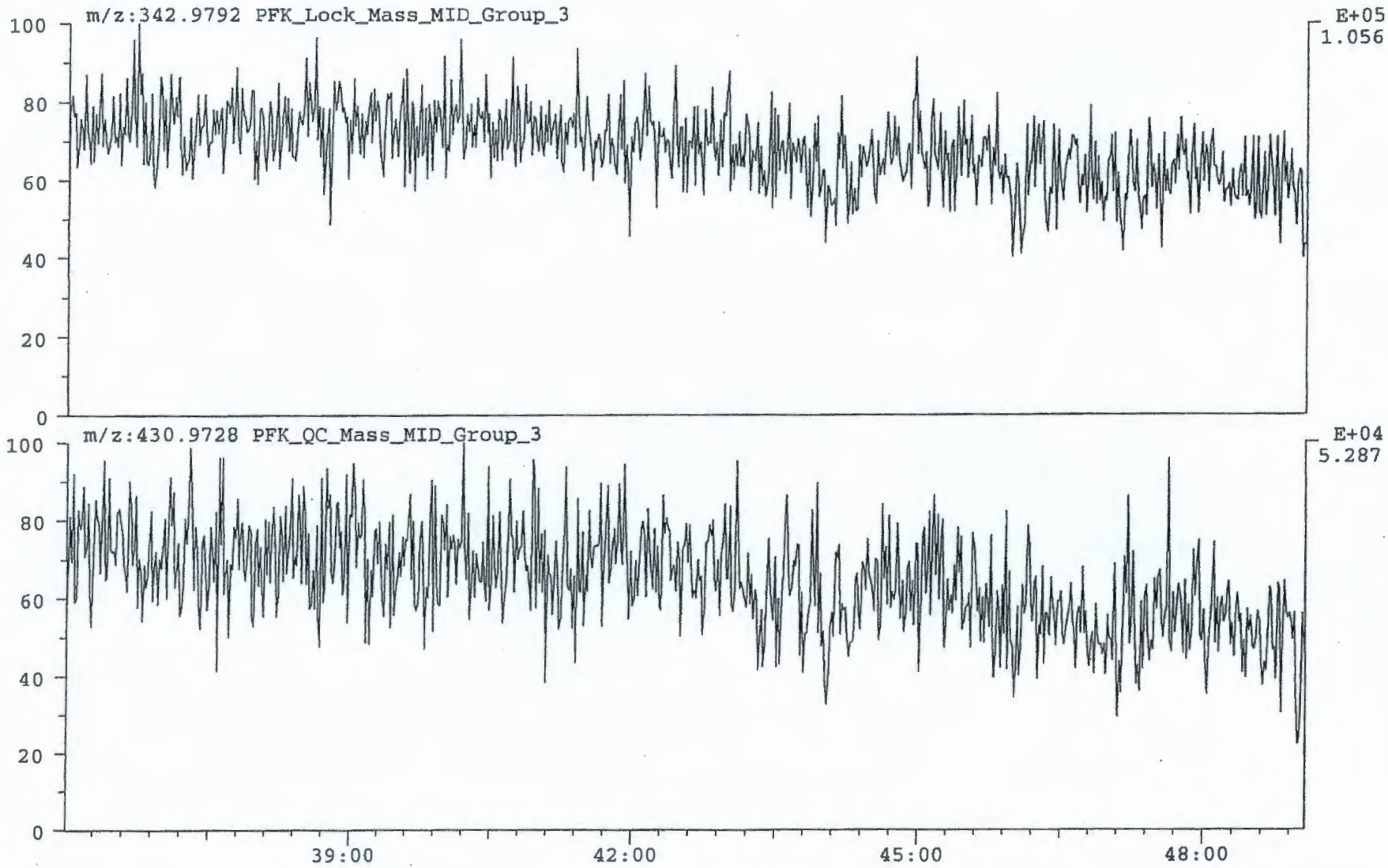
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  56:12      2556
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial 33
Peak:  100.00  ppm      Label wndw:   6 > 624             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  0, 0.0
Disp:  Height  Area
```



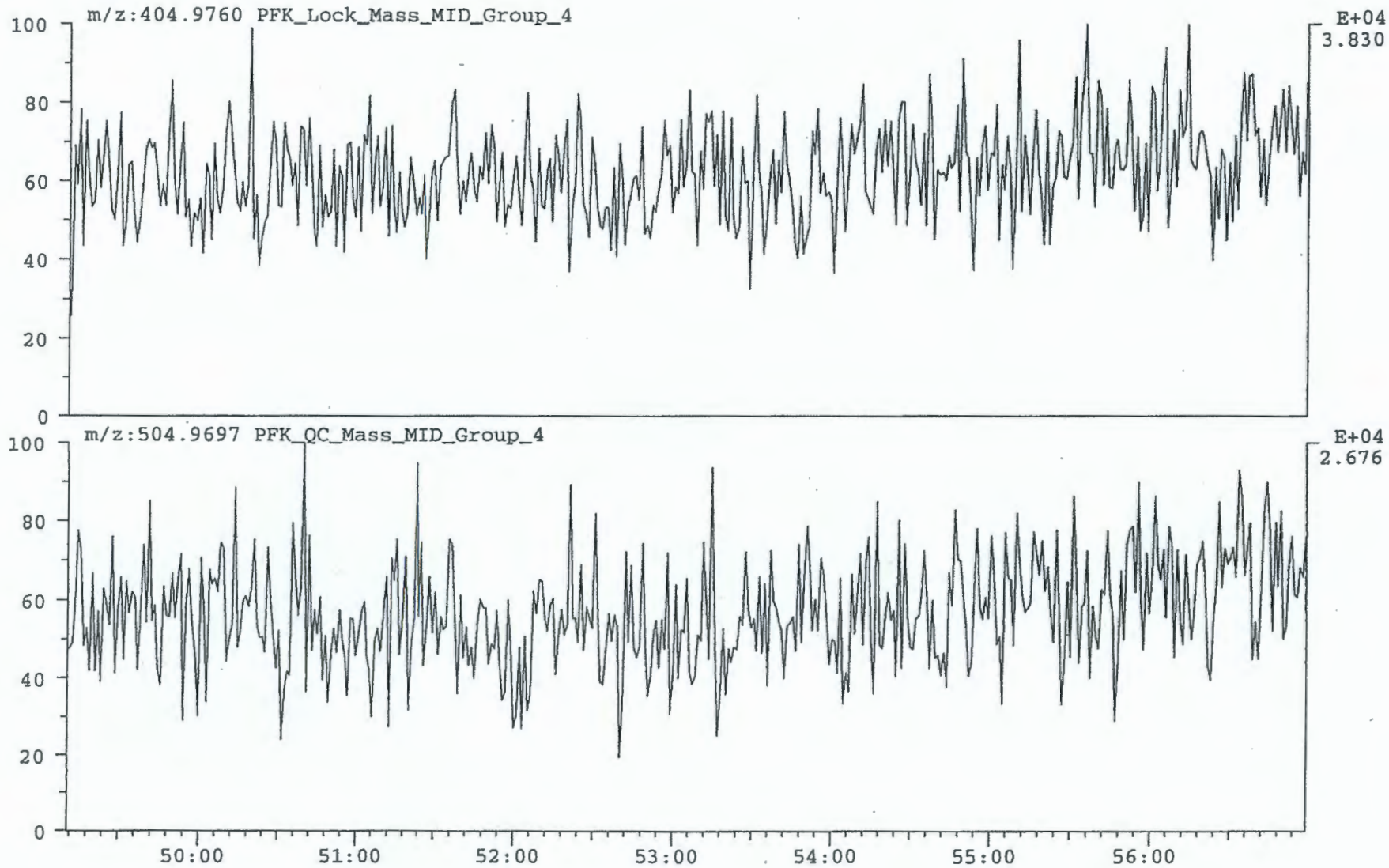
```
CHRO:  apj64jq                                28-Sep-07   Elapse:  56:12      2556
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001                Inlet :  GC     Vial 33
Peak:  100.00  ppm     Label wndw:   627 > 1411           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  0, 0.0
Disp:  Height  Area
```



```
CHRO:  apj64jq                                28-Sep-07   Elapse:  56:12      2556
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                 Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001              Inlet :  GC     Vial  33
Peak:  100.00  ppm      Label wndw:   1413 > 2155         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  0, 0.0
Disp:  Height  Area
```



```
CHRO:  apj64jq                                28-Sep-07  Elapse:  56:12      2556
Samp:  Vial 33 WO=j64jq1aa Meth=IE5 Dil=1                Start :  15:55:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001               Inlet :  GC     Vial 33
Peak:  100.00  ppm     Label wndw:   2158 > 2600         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  0, 0.0
Disp:  Height  Area
```



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Instrument internet name  -  mat95
Instrument model          -  MAT 95
Instrument serial number  -  000000
Workstation internet name -  icis1ms
ICIS Version 8.2.1

ICL Version: 10.710
File name: apj64jq
Study: 7264161 (9.0g)
Sample: WO=j64jq1aa Meth=IE5 Dil=1
Amount:  0.00
Volume:  0.00
Operator: DCG
Client: H7I180256-001
Comments: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Injected volume:  2.00
Sample from Vial 33
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 7 of list 070928
  ICL procedure: sleep7x
  MID procedure: epa1668

  MID Remarks:  EPA 1668 - 209 PCBs- 2m/z's - 6/29/05

  Mid Set Up Parameter:
   Measure/lock ratio        1
   Damping Relay         FALSE
   Width first lock       0.10 amu
   Electric jump time       10 ms
   Magnetic jump time       60 ms
   Offset                   75 cts
   Electric range          300 %
   Sweep peak width       3.00
   MID mode              Lock mode
   Acq mode              Cent mode

  Mid Time Windows:
        Start        Measure      End        Cycletime
  # 1   11:00 min   11:00 min   22:00 min    1.00 sec
  # 2   22:00 min   13:55 min   35:55 min    1.00 sec
  # 3   35:55 min   13:10 min   49:05 min    1.00 sec
  # 4   49:05 min    7:55 min   57:00 min    1.00 sec

  Mid Masses:
   Window # 1
        mass F  int  gr  time (ms)
    180.9888 1   10   1      4.10
    188.0393      1   1     47.79
    190.0363      1   1     47.79
    200.0795      1   1     47.79
    202.0766      1   1     47.79
    222.0003      1   1     47.79
    223.9974      1   1     47.79
    234.0406      1   1     47.79
    236.0376      1   1     47.79
    255.9613      1   1     47.79
    257.9584      1   1     47.79
    268.0016      1   1     47.79
    269.9986      1   1     47.79
    280.9824 c   10   1      4.10
    289.9224      1   1     47.79
    291.9194      1   1     47.79
    301.9626      1   1     47.79
    303.9597      1   1     47.79
```

Window # 2

mass	F	int	gr	time (ms)
255.9613		1	1	47.79
257.9584		1	1	47.79
268.0016		1	1	47.79
268.9824	1	10	1	4.10
269.9986		1	1	47.79
289.9224		1	1	47.79
291.9194		1	1	47.79
301.9626		1	1	47.79
303.9597		1	1	47.79
325.8804		1	1	47.79
327.8775		1	1	47.79
337.9207		1	1	47.79
339.9178		1	1	47.79
359.8415		1	1	47.79
361.8385		1	1	47.79
371.8817		1	1	47.79
373.8788		1	1	47.79
380.9760	c	10	1	4.10

Window # 3

mass	F	int	gr	time (ms)
325.8804		1	1	47.79
327.8775		1	1	47.79
337.9207		1	1	47.79
339.9178		1	1	47.79
342.9792	1	10	1	4.10
359.8415		1	1	47.79
361.8385		1	1	47.79
371.8817		1	1	47.79
373.8788		1	1	47.79
393.8025		1	1	47.79
395.7995		1	1	47.79
405.8428		1	1	47.79
407.8398		1	1	47.79
427.7635		1	1	47.79
429.7606		1	1	47.79
430.9728	c	10	1	4.10
439.8038		1	1	47.79
441.8008		1	1	47.79

Window # 4

mass	F	int	gr	time (ms)
393.8025		1	1	47.79
395.7995		1	1	47.79
404.9760	1	10	1	4.10
405.8428		1	1	47.79
407.8398		1	1	47.79
427.7635		1	1	47.79
429.7606		1	1	47.79
439.8038		1	1	47.79
441.8008		1	1	47.79
461.7246		1	1	47.79
463.7216		1	1	47.79
473.7648		1	1	47.79
475.7619		1	1	47.79
495.6856		1	1	47.79
497.6826		1	1	47.79
504.9697	c	10	1	4.10
507.7258		1	1	47.79
509.7229		1	1	47.79

Auto Sampler descriptor: 2ul
Normal Injection
Injector A
Slvnt A cln before inj (K): 3 times
Slvnt B cln before inj (L): 0 times

Sample rinse cycles	(R):	0	times
Syringe filling volume	(F):	1.0	ul
Pullup delay time	(D):	4	sec
Sample pullup count	(P):	2	times
Sample pullup speed	(E):	5.0	ul/sec
Slvnt aftr pre inj cln	(U):	0.0	ul
Air after pre inj cln	(G):	2.0	ul
Sample volume	(V):	2.0	ul
Sample air volume	(A):	2.0	ul
Injection speed	(S):	10.0	ul/sec
Pre Inj. wait time	(W):	10	sec
Post Inj. hold time	(H):	3	sec
Solvent A clean cycles	(C):	15	times
Solvent B clean cycles	(B):	0	times
Loop clean w slvnt A	(LC):	0	times
Loop clean w slvnt B	(LB):	0	times
Standard sample volume	(X):	0.0	ul
Standard air volume	(Y):	0.0	ul
2nd Injection volume	(I):	0.0	ul
Air volume of 2nd inj	(J):	0.0	ul
Time btwn 2 injections	(T):	0	sec

GC descriptor : epa1668

Injector:	270 deg		270 deg max
Transfer Line:	280 deg		280 deg max
Column:	75 deg at	0.0 minutes	280 deg max
	75 deg at	2.0 minutes	
	150 deg at	7.0 minutes	
	270 deg at	55.0 minutes	
	270 deg at	57.0 minutes	

Inlet : Splitless mode
Purge time 1.5 min
Purge flow 40.0 ml/min
Gas saver is on
Saver time 3.0 min
Saver flow 15.0 ml/min
Column : Constant Flow 1.0 ml
Stabilize time 0.5 minutes

ICL Parameters

BCORRL	0.0150	BCORRS	0.0110	BCURR	16383.0000
BDEV	16383.0000	BFM	2.0000	BLM	1034.0919
BMASS	180.4888	BQUAD	0.0000	CAPIL	0.0000
CAPTEMP	359.9988	CAPTSET	200.0000	CCURR	3.6471
CORONA	0.0000	CYCLE	0.0000	DELAY	0.0000
DITEMP	0.1954	DITSET	0.0000	DRAW	-16.9500
DRAWC	1.0000	DRAWS	-0.0050	ECORR	0.9992
ECURR	1.0000	EDAC	7969177.0000	EDACG	1.0003
EDACR	23.0000	EDACZ	-2255.0000	ELEN	56.3500
EMULT	2.3000	ENS	163.0000	ERATIO	1.0000
ESA	763.8000	ESICUR	10.0011	ESIPAR	0.0000
EXS	151.0000	FDMA	18000000.0000	FLENS	1.0000
FM	20.0000	FMII	50.0000	FQUAD	0.0000
FREQ	300.4808	FSLOPE	54000000.0000	FVANAL	305.0000
FVINLET	276.0000	FVSRC	961.0000	FWIN	0.7000
GCTC	207.0000	GCTI	270.0000	GCTL	280.0000
HACCU	208.0000	HCURR	1.5196	HVANAL	1340.0000
HVSRC	0.0000	ICAL0	0.0011	ICAL1	0.4030
ICAL2	0.5865	IONEN	4771.6680	IST	269.8026
ISTC	0.0000	ISTCKP	5.0000	ISTCTD	1.0000
ISTCTN	2.0000	ISTCTS	60.0000	ISTCTV	3.0000
ISTS	270.0000	LENS	1401.0000	LENSS	71.8000
LKM	404.9760	LM	800.0000	LMASS	180.4888
LMII	500.0000	MASS	180.4888	MDAC	2343625.4487

MDACR	23.0000	MRANGE	1034.0919	MSFM	2.0000
MSLM	3790.0000	NPEAK	1.0000	NSAM	100.0000
NSCAN	1.0000	NSMAX	8.0000	NSMIN	2.0000
OCT	-2.0000	PSAM	10.0000	PUSHER	-7.5000
RDRAW	0.0000	RDRAWC	0.0000	RECURR	0.0000
RELEN	0.0000	RES	10643.8302	RFAMP	799.9987
RFCUR	100.0110	RPUSHER	0.0000	RWIN	2.0000
SACCU	3.0000	SCIDLE	1.0000	SHIELD	2456.0000
SHIELDS	0.0000	SHIGH	180.0000	SKIM	7.0000
SLOW	60.0000	SPRAY	8.0000	SS	3.0000
SW	0.0500	TANAL	420.7000	TCURR	0.7813
TD	1.0000	THRESH	5.0000	TIS	0.2000
TREF	150.0000	TS	1.6021	TSAM	200.0000
TSET	0.0000	TUBEL	0.0000	UOFS	5.0000
URATIO	1.9800	USERVAR	0.0000	VAPTEMP	599.9997
VAPTSET	400.0000	VMASS	180.4888	XLENS	2613.0000
XLENSS	-16.4000	YLENS	3698.0000	YLENSS	28.2000

```
Scantype is  electric
Sourcemode is  EI POS

Analysis started at: 28-Sep-07 15:55:25.4

Autosampler has injected sample from vial 33
MID Time Window 1: Resolution is 9048
MID Time Window 2: Resolution is 8967
MID Time Window 3: Resolution is 9526
MID Time Window 4: Resolution is 10124
 Analysis stopped at: 28-Sep-07 16:52:27.9    (run time 57.02 minutes)
Analysis stopped because MID run finished
```

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	Work Order #....:	J64JQ1AC	Matrix....:	BIOLOGICAL
Date Sampled....:	09/11/07	Date Received....:	09/18/07	Dilution Factor:	1
Prep Date....:	09/21/07	Analysis Date....:	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0019	B J	0.011	0.00035	ng/g
PCB 2 (BZ)	ND		0.011	0.00042	ng/g
PCB 3 (BZ)	ND		0.011	0.00046	ng/g
PCB 4 (BZ)	0.0040	Q B J	0.022	0.0018	ng/g
PCB 5 (BZ)	ND		0.011	0.0014	ng/g
PCB 6 (BZ)	0.0028	Q B J	0.011	0.0013	ng/g
PCB 7 (BZ)	0.0012	Q B J	0.011	0.0013	ng/g
PCB 8 (BZ)	0.0096	Q B J	0.022	0.0013	ng/g
PCB 9 (BZ)	ND		0.011	0.0013	ng/g
PCB 10 (BZ)	0.00075	Q B J	0.011	0.0014	ng/g
PCB 11 (BZ)	0.0049	Q B J	0.022	0.0013	ng/g
PCB 12 (BZ)	ND		0.011	0.0013	ng/g
PCB 13 (BZ)	ND		0.011	0.0013	ng/g
PCB 14 (BZ)	ND		0.011	0.0011	ng/g
PCB 15 (BZ)	0.0030	Q B J	0.011	0.0014	ng/g
PCB 16 (BZ)	0.0085	Q J	0.011	0.0011	ng/g
PCB 17 (BZ)	0.019	B	0.011	0.00097	ng/g
PCB 18 (BZ)	0.043	B	0.022	0.0010	ng/g
PCB 19 (BZ)	ND		0.011	0.0011	ng/g
PCB 20 (BZ)	0.12	B C	0.022	0.00067	ng/g
PCB 21 (BZ)	0.020	B C	0.011	0.00065	ng/g
PCB 22 (BZ)	0.019	B	0.011	0.00068	ng/g
PCB 23 (BZ)	ND		0.011	0.00069	ng/g
PCB 24 (BZ)	0.0011	J	0.011	0.00072	ng/g
PCB 25 (BZ)	0.0041	B J	0.011	0.00061	ng/g
PCB 26 (BZ)	0.012	B C	0.011	0.00066	ng/g
PCB 27 (BZ)	0.0025	Q J	0.011	0.00066	ng/g
PCB 28 (BZ)	0.12	B C20	0.022	0.00067	ng/g
PCB 29 (BZ)	0.012	B C26	0.011	0.00066	ng/g
PCB 30 (BZ)	ND		0.022	0.00068	ng/g
PCB 31 (BZ)	0.057	B	0.022	0.00064	ng/g
PCB 32 (BZ)	0.0064	J	0.011	0.00065	ng/g
PCB 33 (BZ)	0.020	B C21	0.011	0.00065	ng/g
PCB 34 (BZ)	ND		0.011	0.00068	ng/g
PCB 35 (BZ)	ND		0.011	0.00069	ng/g
PCB 36 (BZ)	ND		0.011	0.00064	ng/g

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H71180256 - 001X	**Work Order #....:**	J64JQ1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0048	J	0.011	0.00068	ng/g
PCB 38 (BZ)	ND		0.011	0.00067	ng/g
PCB 39 (BZ)	0.00082	Q J	0.011	0.00062	ng/g
PCB 40 (BZ)	0.022	C	0.011	0.00098	ng/g
PCB 41 (BZ)	0.0064	J	0.011	0.0013	ng/g
PCB 42 (BZ)	0.028		0.011	0.0011	ng/g
PCB 43 (BZ)	0.0063	Q C J	0.011	0.00098	ng/g
PCB 44 (BZ)	0.16	B C	0.011	0.00092	ng/g
PCB 45 (BZ)	0.0055	Q B C J	0.011	0.0011	ng/g
PCB 46 (BZ)	ND		0.011	0.0013	ng/g
PCB 47 (BZ)	0.16	B C44	0.011	0.00092	ng/g
PCB 48 (BZ)	0.026		0.011	0.0011	ng/g
PCB 49 (BZ)	0.18	B	0.011	0.00093	ng/g
PCB 50 (BZ)	0.0032	Q C J	0.011	0.0010	ng/g
PCB 51 (BZ)	0.0055	Q B C45 J	0.011	0.0011	ng/g
PCB 52 (BZ)	0.36	B	0.011	0.0010	ng/g
PCB 53 (BZ)	0.0032	Q C50 J	0.011	0.0010	ng/g
PCB 54 (BZ)	ND		0.011	0.0010	ng/g
PCB 55 (BZ)	0.014		0.011	0.00081	ng/g
PCB 56 (BZ)	0.027		0.011	0.00076	ng/g
PCB 57 (BZ)	0.0022	J	0.011	0.00079	ng/g
PCB 58 (BZ)	ND		0.011	0.00075	ng/g
PCB 59 (BZ)	0.013	Q B C	0.011	0.00072	ng/g
PCB 60 (BZ)	0.098		0.011	0.00079	ng/g
PCB 61 (BZ)	ND		0.022	0.00079	ng/g
PCB 62 (BZ)	0.013	Q B C59	0.011	0.00072	ng/g
PCB 63 (BZ)	0.021		0.011	0.00070	ng/g
PCB 64 (BZ)	0.082		0.011	0.00072	ng/g
PCB 65 (BZ)	0.16	B C44	0.011	0.00092	ng/g
PCB 66 (BZ)	0.44	B	0.011	0.00073	ng/g
PCB 67 (BZ)	0.0040	Q J	0.011	0.00073	ng/g
PCB 68 (BZ)	0.0036	J	0.011	0.00071	ng/g
PCB 69 (BZ)	ND		0.011	0.00080	ng/g
PCB 70 (BZ)	0.62	B C	0.022	0.00071	ng/g
PCB 71 (BZ)	0.022	C40	0.011	0.00098	ng/g
PCB 72 (BZ)	ND		0.011	0.00075	ng/g

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	**Work Order #....:**	J64JQ1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0063	Q C43 J	0.011	0.00098	ng/g
PCB 74 (BZ)	0.62	B C70	0.022	0.00071	ng/g
PCB 75 (BZ)	0.013	Q B C59	0.011	0.00072	ng/g
PCB 76 (BZ)	0.62	B C70	0.022	0.00071	ng/g
PCB 77 (BZ)	0.017	Q	0.011	0.00078	ng/g
PCB 78 (BZ)	ND		0.011	0.00079	ng/g
PCB 79 (BZ)	0.0031	J	0.011	0.00068	ng/g
PCB 80 (BZ)	ND		0.011	0.00066	ng/g
PCB 81 (BZ)	0.00094	Q J	0.011	0.00072	ng/g
PCB 82 (BZ)	0.019	Q	0.011	0.0020	ng/g
PCB 83 (BZ)	1.4	C	0.011	0.0015	ng/g
PCB 84 (BZ)	0.029		0.011	0.0017	ng/g
PCB 85 (BZ)	0.39	C	0.011	0.0012	ng/g
PCB 86 (BZ)	0.45	B C	0.011	0.0012	ng/g
PCB 87 (BZ)	0.45	B C86	0.011	0.0012	ng/g
PCB 88 (BZ)	ND		0.011	0.0016	ng/g
PCB 89 (BZ)	ND		0.011	0.0017	ng/g
PCB 90 (BZ)	1.1	B C	0.011	0.0012	ng/g
PCB 91 (BZ)	0.036		0.011	0.0014	ng/g
PCB 92 (BZ)	0.23		0.011	0.0015	ng/g
PCB 93 (BZ)	ND		0.011	0.0017	ng/g
PCB 94 (BZ)	ND		0.011	0.0017	ng/g
PCB 95 (BZ)	0.24	B C	0.011	0.0014	ng/g
PCB 96 (BZ)	ND		0.011	0.0012	ng/g
PCB 97 (BZ)	0.45	B C86	0.011	0.0012	ng/g
PCB 98 (BZ)	0.0039	C J	0.011	0.0014	ng/g
PCB 99 (BZ)	1.4	C83	0.011	0.0015	ng/g
PCB 100 (BZ)	0.24	B C95	0.011	0.0014	ng/g
PCB 101 (BZ)	1.1	B C90	0.011	0.0012	ng/g
PCB 102 (BZ)	0.0039	C98 J	0.011	0.0014	ng/g
PCB 103 (BZ)	0.0043	J	0.011	0.0014	ng/g
PCB 104 (BZ)	ND		0.011	0.0010	ng/g
PCB 105 (BZ)	0.78		0.011	0.00096	ng/g
PCB 106 (BZ)	ND		0.011	0.0011	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.16		0.011	0.0011	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.034	C	0.011	0.0010	ng/g

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	**Work Order #....:**	J64JQ1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.45	B C86	0.011	0.0012	ng/g
PCB 110 (BZ)	0.81	B C	0.011	0.0010	ng/g
PCB 111 (BZ)	ND		0.011	0.0011	ng/g
PCB 112 (BZ)	ND		0.011	0.0011	ng/g
PCB 113 (BZ)	1.1	B C90	0.011	0.0012	ng/g
PCB 114 (BZ)	0.058		0.011	0.00095	ng/g
PCB 115 (BZ)	0.81	B C110	0.011	0.0010	ng/g
PCB 116 (BZ)	0.39	C85	0.011	0.0012	ng/g
PCB 117 (BZ)	0.39	C85	0.011	0.0012	ng/g
PCB 118 (BZ)	2.4	B	0.011	0.00096	ng/g
PCB 119 (BZ)	0.45	B C86	0.011	0.0012	ng/g
PCB 120 (BZ)	0.0095	Q J	0.011	0.0010	ng/g
PCB 121 (BZ)	ND		0.011	0.0011	ng/g
PCB 122 (BZ)	ND		0.011	0.0011	ng/g
PCB 123 (BZ)	0.028		0.011	0.00094	ng/g
PCB 124 (BZ)	0.034	C108	0.011	0.0010	ng/g
PCB 125 (BZ)	0.45	B C86	0.011	0.0012	ng/g
PCB 126 (BZ)	0.0098	J	0.011	0.0011	ng/g
PCB 127 (BZ)	0.0040	J	0.011	0.0010	ng/g
PCB 128 (BZ)	0.64		0.011	0.0025	ng/g
PCB 129 (BZ)	3.6	B C	0.011	0.0021	ng/g
PCB 130 (BZ)	0.095		0.011	0.0027	ng/g
PCB 131 (BZ)	0.0040	Q J	0.011	0.0027	ng/g
PCB 132 (BZ)	0.072		0.011	0.0027	ng/g
PCB 133 (BZ)	0.047		0.011	0.0025	ng/g
PCB 134 (BZ)	0.022	C	0.011	0.0027	ng/g
PCB 135 (BZ)	0.30	C	0.011	0.0017	ng/g
PCB 136 (BZ)	0.045		0.011	0.0014	ng/g
PCB 137 (BZ)	0.12		0.011	0.0023	ng/g
PCB 138 (BZ)	3.6	B C129	0.011	0.0021	ng/g
PCB 139 (BZ)	0.050	C	0.011	0.0022	ng/g
PCB 140 (BZ)	0.050	C139	0.011	0.0022	ng/g
PCB 141 (BZ)	0.22		0.011	0.0025	ng/g
PCB 142 (BZ)	ND		0.011	0.0026	ng/g
PCB 143 (BZ)	0.022	C134	0.011	0.0027	ng/g
PCB 144 (BZ)	0.025		0.011	0.0017	ng/g

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	**Work Order #....:**	J64JQ1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.011	0.0013	ng/g
PCB 146 (BZ)	0.47		0.011	0.0022	ng/g
PCB 147 (BZ)	0.18	B C	0.011	0.0022	ng/g
PCB 148 (BZ)	ND		0.011	0.0018	ng/g
PCB 149 (BZ)	0.18	B C147	0.011	0.0022	ng/g
PCB 150 (BZ)	ND		0.011	0.0013	ng/g
PCB 151 (BZ)	0.30	C135	0.011	0.0017	ng/g
PCB 152 (BZ)	ND		0.011	0.0013	ng/g
PCB 153 (BZ)	3.4	B C	0.011	0.0018	ng/g
PCB 154 (BZ)	0.30	C135	0.011	0.0017	ng/g
PCB 155 (BZ)	ND		0.011	0.0012	ng/g
PCB 156 (BZ)	0.28	C	0.011	0.0021	ng/g
PCB 157 (BZ)	0.28	C156	0.011	0.0021	ng/g
PCB 158 (BZ)	0.28		0.011	0.0016	ng/g
PCB 159 (BZ)	0.0028	Q J	0.011	0.0018	ng/g
PCB 160 (BZ)	3.6	B C129	0.011	0.0021	ng/g
PCB 161 (BZ)	ND		0.011	0.0017	ng/g
PCB 162 (BZ)	0.011	Q	0.011	0.0018	ng/g
PCB 163 (BZ)	3.6	B C129	0.011	0.0021	ng/g
PCB 164 (BZ)	0.075		0.011	0.0018	ng/g
PCB 165 (BZ)	ND		0.011	0.0019	ng/g
PCB 166 (BZ)	0.022	Q	0.011	0.0017	ng/g
PCB 167 (BZ)	0.081		0.011	0.0012	ng/g
PCB 168 (BZ)	3.4	B C153	0.011	0.0018	ng/g
PCB 169 (BZ)	0.0027	Q J	0.011	0.0013	ng/g
PCB 170 (BZ)	0.38		0.011	0.0018	ng/g
PCB 171 (BZ)	0.13	C	0.011	0.0016	ng/g
PCB 172 (BZ)	0.060		0.011	0.0016	ng/g
PCB 173 (BZ)	0.13	C171	0.011	0.0016	ng/g
PCB 174 (BZ)	0.029	Q	0.011	0.0014	ng/g
PCB 175 (BZ)	0.0082	J	0.011	0.0014	ng/g
PCB 176 (BZ)	0.0032	J	0.011	0.0011	ng/g
PCB 177 (BZ)	0.070		0.011	0.0015	ng/g
PCB 178 (BZ)	0.10		0.011	0.0015	ng/g
PCB 179 (BZ)	0.045		0.011	0.0011	ng/g
PCB 180 (BZ)	0.76	C	0.011	0.0012	ng/g

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H71180256 - 001X	Work Order #....:	J64JQ1AC	Matrix....:	BIOLOGICAL
Date Sampled....:	09/11/07	Date Received....:	09/18/07	Dilution Factor:	1
Prep Date....:	09/21/07	Analysis Date....:	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0056	J	0.011	0.0014	ng/g
PCB 182 (BZ)	ND		0.011	0.0014	ng/g
PCB 183 (BZ)	0.24		0.011	0.0014	ng/g
PCB 184 (BZ)	ND		0.011	0.0011	ng/g
PCB 185 (BZ)	0.019	Q	0.011	0.0014	ng/g
PCB 186 (BZ)	ND		0.011	0.0011	ng/g
PCB 187 (BZ)	0.52		0.011	0.0013	ng/g
PCB 188 (BZ)	ND		0.011	0.00096	ng/g
PCB 189 (BZ)	0.012		0.011	0.0012	ng/g
PCB 190 (BZ)	0.11		0.011	0.0011	ng/g
PCB 191 (BZ)	0.021		0.011	0.0011	ng/g
PCB 192 (BZ)	ND		0.011	0.0012	ng/g
PCB 193 (BZ)	0.76	C180	0.011	0.0012	ng/g
PCB 194 (BZ)	0.13		0.011	0.0015	ng/g
PCB 195 (BZ)	0.067		0.011	0.0016	ng/g
PCB 196 (BZ)	0.049		0.011	0.0011	ng/g
PCB 197 (BZ)	0.0056	Q J	0.011	0.00081	ng/g
PCB 198 (BZ)	0.12	C	0.011	0.0011	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.12	C198	0.011	0.0011	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.011	0.00084	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0059	Q J	0.011	0.00079	ng/g
PCB 202 (BZ)	0.047		0.011	0.00087	ng/g
PCB 203 (BZ)	0.12		0.011	0.0010	ng/g
PCB 204 (BZ)	ND		0.011	0.00083	ng/g
PCB 205 (BZ)	0.010	J	0.011	0.0012	ng/g
PCB 206 (BZ)	0.056		0.011	0.0013	ng/g
PCB 207 (BZ)	0.0045	Q J	0.011	0.00078	ng/g
PCB 208 (BZ)	0.011	J	0.011	0.00075	ng/g
PCB 209 (BZ)	0.0099	J	0.011	0.00081	ng/g

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	**Work Order #....:**	J64JQ1AC	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	51		30 - 140
13C12-PCB 3	43		30 - 140
13C12-PCB 4	71		30 - 140
13C12-PCB 15	77		30 - 140
13C12-PCB 19	78		30 - 140
13C12-PCB 37	84		30 - 140
13C12-PCB 54	84		30 - 140
13C12-PCB 77	87		30 - 140
13C12-PCB 81	86		30 - 140
13C12-PCB 104	83		30 - 140
13C12-PCB 105	86		30 - 140
13C12-PCB 114	84		30 - 140
13C12-PCB 118	89		30 - 140
13C12-PCB 123	85		30 - 140
13C12-PCB 126	82		30 - 140
13C12-PCB 155	97		30 - 140
13C12-PCB 156	88	C	30 - 140
13C12-PCB 157	88	C	30 - 140
13C12-PCB 167	79		30 - 140
13C12-PCB 169	72		30 - 140
13C12-PCB 170	91		30 - 140
13C12-PCB 188	99		30 - 140
13C12-PCB 189	95		30 - 140
13C12-PCB 202	106		30 - 140
13C12-PCB 205	92		30 - 140
13C12-PCB 206	99		30 - 140
13C12-PCB 208	117		30 - 140
13C12-PCB 209	132		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	84	40 - 125
13C12-PCB 111	94	40 - 125
13C12-PCB 178	96	40 - 125

Washington Closure Hanford

Sample ID: J15J75 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 001X	**Work Order #....:**	J64JQ1AC	**Matrix.....:**	BIOLOGICAL
Date Sampled....:	09/11/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	9 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

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IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AC	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jqx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99540	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/11/07
Analysis Time	18:13	Initial Wt/Vol	9.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
Total Monochlorobiphenyl		3302	1079			0.017423		0.001936	BJ	0.00122
13C12-PCB 1	12:16	1512685	538449	1.318	10.00	5.072072	50.72	0.563564		0.000923
13C12-PCB 3	14:30	1281497	376267	1.325	10.00	4.271574	42.72	0.474619		0.000918
PCB 1 (BZ)	12:17	3302	1079	1.253		0.017423		0.001936	BJ	0.000346
PCB 2 (BZ)				1.226				ND		0.000416
PCB 3 (BZ)				1.348				ND		0.000460
Total Dichlorobiphenyl		46257	13223			0.235476		0.026164	QBJ	0.0151
13C12-PCB 4	14:47	994764	305752	0.615	10.00	7.147910	71.48	0.794212		0.00110
13C12-PCB 9	16:43	2263361	634711	1.000	10.00	10.000000	100.00	1.111111		0.000678
13C12-PCB 8				1.332	5.000			ND		0.000948
13C12-PCB 15	20:46	1849724	375837	1.065	10.00	7.675208	76.75	0.852801		0.000637
PCB 4 (BZ)	14:47	4295	1654	1.212		0.035633		0.003959	QBJ	0.00176
PCB 10 (BZ)	14:57	1270	453	1.326		0.006737		0.000749	QBJ	0.00144
PCB 9 (BZ)				1.445				ND		0.00133
PCB 7 (BZ)	16:55	2283	550	1.432		0.011210		0.001246	QBJ	0.00134
PCB 6 (BZ)	17:11	5115	1418	1.450		0.024801		0.002756	QBJ	0.00132
PCB 5 (BZ)				1.356				ND		0.00141
PCB 8 (BZ)	17:38	18064	4391	1.477		0.086003		0.009556	QBJ	0.00130
PCB 14 (BZ)				1.687				ND		0.00114
PCB 11 (BZ)	20:08	9121	2860	1.448		0.044298		0.004922	QBJ	0.00132
PCB 13 (BZ)				1.454				ND	C12	0.00132
PCB 12 (BZ)				1.454				ND	C	0.00132
PCB 15 (BZ)	20:47	6110	1897	1.233		0.026793		0.002977	QBJ	0.00141
Total Trichlorobiphenyl		573273	115583			2.843941		0.315993	BQ	0.0155
13C12-PCB 19	17:57	796559	212452	0.558	10.00	7.834084	78.34	0.870454		0.00318
13C12-PCB 32	21:12	1821074	434928	1.000	10.00	10.000000	100.00	1.111111		0.00178
13C12-PCB 31	23:27	2500869	536112	1.000	10.00	10.000000	100.00	1.111111		0.00144
13C12-PCB 28	23:45	2021879	424118	0.968	10.00	8.353190	83.53	0.928132		0.00149
13C12-PCB 37	27:52	1861201	328380	0.885	10.00	8.406886	84.07	0.934098		0.00163
PCB 19 (BZ)				1.178				ND		0.00109
PCB 30 (BZ)				1.874				ND		0.000684
PCB 18 (BZ)	19:49	39047	10199	1.262		0.388380		0.043153	B	0.00102
PCB 17 (BZ)	20:13	17601	4478	1.326		0.166644		0.018516	B	0.000966
PCB 27 (BZ)	20:29	3495	863	1.945		0.022554		0.002506	QJ	0.000659
PCB 24 (BZ)	20:34	1391	469	1.782		0.009800		0.001089	J	0.000719
PCB 16 (BZ)	20:46	7018	1677	1.157		0.076122		0.008458	QJ	0.00111
PCB 32 (BZ)	21:13	9058	1991	1.966		0.057828		0.006425	J	0.000652
PCB 34 (BZ)				1.216				ND		0.000682
PCB 23 (BZ)				1.208				ND		0.000686
PCB 29 (BZ)	22:55	25942	5729	1.265		0.110208		0.012245	BC26	0.000655
PCB 26 (BZ)		25942		1.265		0.110208		0.012245	BC	0.000655
PCB 25 (BZ)	23:10	9424	2283	1.362		0.037189		0.004132	BJ	0.000609
PCB 31 (BZ)	23:28	122128	25643	1.285		0.510471		0.056719	B	0.000645
PCB 28 (BZ)	23:46	244849	49250	1.238		1.062366		0.118041	BC20	0.000669
PCB 20 (BZ)		244849		1.238		1.062366		0.118041	BC	0.000669
PCB 21 (BZ)		41906		1.276		0.176508		0.019612	BC	0.000650
PCB 33 (BZ)	24:03	41906	8312	1.276		0.176508		0.019612	BC21	0.000650
PCB 22 (BZ)	24:28	39659	7384	1.218		0.174919		0.019435	B	0.000681
PCB 36 (BZ)				1.286				ND		0.000645

BPW 10/1/07 DCG 10/1/07

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IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AC	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jqx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99540	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/11/07
Analysis Time	18:13	Initial Wt/Vol	9.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 39 (BZ)	26:21	1822	561	1.330		0.007359		0.000818	QJ	0.000623
PCB 38 (BZ)				1.246				ND		0.000665
PCB 35 (BZ)				1.195				ND		0.000694
PCB 37 (BZ)	27:53	9934	2473	1.224		0.043593		0.004844	J	0.000677
Total Tetrachlorobiphenyl		3623882	654373			19.367605		2.151956	QB	0.0276
13C12-PCB 54	21:07	909935	217381	0.598	10.00	8.361631	83.62	0.929070		0.00112
13C12-PCB 52	25:35	1434990	316088	1.000	10.00	10.000000	100.00	1.111111		0.000923
13C12-PCB 79				1.089	5.000			ND		0.000943
13C12-PCB 81	34:34	1584855	282048	1.286	10.00	8.585380	85.85	0.953931		0.000717
13C12-PCB 77	35:11	1615558	285967	1.297	10.00	8.679043	86.79	0.964338		0.000711
PCB 54 (BZ)				1.211				ND		0.00101
PCB 50 (BZ)	23:14	4299	1182	0.927		0.028984		0.003220	QCJ	0.00101
PCB 53 (BZ)		4299		0.927		0.028984		0.003220	QC50J	0.00101
PCB 45 (BZ)	23:57	6770	1658	0.857		0.049357		0.005484	QBCJ	0.00110
PCB 51 (BZ)		6770		0.857		0.049357		0.005484	QBC45J	0.00110
PCB 46 (BZ)				0.706				ND		0.00133
PCB 52 (BZ)	25:36	483355	104438	0.926		3.262191		0.362466	B	0.00101
PCB 73 (BZ)	25:47	8647	2027	0.957		0.056444		0.006272	QC43J	0.000981
PCB 43 (BZ)		8647		0.957		0.056444		0.006272	QCJ	0.000981
PCB 69 (BZ)				1.180				ND		0.000795
PCB 49 (BZ)	26:04	257713	54438	1.005		1.601955		0.177995	B	0.000934
PCB 48 (BZ)	26:20	33524	8032	0.886		0.236464		0.026274		0.00106
PCB 65 (BZ)	26:38	237889	34535	1.024		1.452146		0.161350	BC44	0.000917
PCB 47 (BZ)		237889		1.024		1.452146		0.161350	BC44	0.000917
PCB 44 (BZ)		237889		1.024		1.452146		0.161350	BC	0.000917
PCB 62 (BZ)	26:52	23959	3461	1.297		0.115481		0.012831	QBC59	0.000724
PCB 75 (BZ)		23959		1.297		0.115481		0.012831	QBC59	0.000724
PCB 59 (BZ)		23959		1.297		0.115481		0.012831	QBC	0.000724
PCB 42 (BZ)	27:11	34137	7399	0.860		0.248176		0.027575		0.00109
PCB 41 (BZ)	27:36	6657	1796	0.723		0.057510		0.006390	J	0.00130
PCB 71 (BZ)	27:39	30768	6238	0.953		0.201704		0.022412	C40	0.000985
PCB 40 (BZ)		30768		0.953		0.201704		0.022412	C	0.000985
PCB 64 (BZ)	27:52	155965	31195	1.313		0.742312		0.082479		0.000715
PCB 72 (BZ)				1.257				ND		0.000747
PCB 68 (BZ)	28:53	6837	1367	1.327		0.032194		0.003577	J	0.000707
PCB 57 (BZ)	29:20	3836	834	1.194		0.020077		0.002231	J	0.000786
PCB 58 (BZ)				1.260				ND		0.000745
PCB 67 (BZ)	29:45	7344	1625	1.286		0.035675		0.003964	QJ	0.000730
PCB 63 (BZ)	30:01	40800	8816	1.339		0.190461		0.021162		0.000701
PCB 61 (BZ)				1.190				ND		0.000789
PCB 70 (BZ)	30:24	1176962	219827	1.317		5.584381		0.620487	BC	0.000713
PCB 76 (BZ)		1176962		1.317		5.584381		0.620487	BC70	0.000713
PCB 74 (BZ)		1176962		1.317		5.584381		0.620487	BC70	0.000713
PCB 66 (BZ)	30:43	825968	162660	1.289		4.003601		0.444845	B	0.000728
PCB 55 (BZ)	30:55	23667	3674	1.161		0.127442		0.014160		0.000809
PCB 56 (BZ)	31:28	47781	8710	1.231		0.242588		0.026954		0.000763
PCB 60 (BZ)	31:40	168654	30850	1.191		0.884958		0.098329		0.000788
PCB 80 (BZ)				1.416				ND		0.000663
PCB 79 (BZ)	33:31	6175	1698	1.371		0.028152		0.003128	J	0.000685

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IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AC	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jqx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99540	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/11/07
Analysis Time	18:13	Initial Wt/Vol	9.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 78 (BZ)				1.181				ND		0.000795
PCB 81 (BZ)	34:36	1772	697	1.317		0.008486		0.000943	QJ	0.000718
PCB 77 (BZ)	35:13	30403	4659	1.200		0.156866		0.017430	Q	0.000777
Total Pentachlorobiphenyl		11931522	1524345			73.775954		8.197328	BQ	0.0402
13C12-PCB 104	26:30	1418848	309108	1.260	10.00	8.250893	82.51	0.916766		0.000900
13C12-PCB 95				0.741	5.000			ND		0.00132
13C12-PCB 101	32:22	1365053	267162	1.000	10.00	10.000000	100.00	1.111111		0.00113
13C12-PCB 111	34:59	1574493	323682	1.229	10.00	9.385044	93.85	1.042783		0.000922
13C12-PCB 123	37:01	1718905	342361	0.955	10.00	8.542638	85.43	0.949182		0.000812
13C12-PCB 118	37:20	1846505	350681	0.988	10.00	8.865627	88.66	0.985070		0.000785
13C12-PCB 114	37:54	1726576	323055	0.971	10.00	8.437212	84.37	0.937468		0.000799
13C12-PCB 105	38:37	1698485	313698	0.941	10.00	8.560784	85.61	0.951198		0.000824
13C12-PCB 127	39:58	2108031	390430	1.000	10.00	10.000000	100.00	1.111111		0.000775
13C12-PCB 126	41:42	1696200	295109	0.978	10.00	8.228835	82.29	0.914315		0.000793
PCB 104 (BZ)				1.149				ND		0.00103
PCB 96 (BZ)				1.014				ND		0.00117
PCB 103 (BZ)	28:47	4802	1235	0.866		0.039064		0.004340	J	0.00137
PCB 94 (BZ)				0.703				ND		0.00169
PCB 95 (BZ)	29:33	261860	53364	0.859		2.149217		0.238802	BC	0.00138
PCB 100 (BZ)		261860		0.859		2.149217		0.238802	BC95	0.00138
PCB 93 (BZ)				0.701				ND		0.00169
PCB 102 (BZ)	29:51	4108	851	0.822		0.035212		0.003912	C98J	0.00144
PCB 98 (BZ)		4108		0.822		0.035212		0.003912	CJ	0.00144
PCB 88 (BZ)				0.723				ND		0.00164
PCB 91 (BZ)	30:23	39278	7729	0.864		0.320488		0.035610		0.00137
PCB 84 (BZ)	30:42	25253	5512	0.679		0.261984		0.029109		0.00175
PCB 89 (BZ)				0.717				ND		0.00165
PCB 121 (BZ)				1.105				ND		0.00107
PCB 92 (BZ)	31:48	230802	47103	0.772		2.106152		0.234017		0.00154
PCB 113 (BZ)	32:23	1431760	284038	0.990		10.196713		1.132968	BC90	0.00120
PCB 90 (BZ)		1431760		0.990		10.196713		1.132968	BC	0.00120
PCB 101 (BZ)		1431760		0.990		10.196713		1.132968	BC90	0.00120
PCB 83 (BZ)	32:57	1349843	263064	0.777		12.249563		1.361063	C	0.00153
PCB 99 (BZ)		1349843		0.777		12.249563		1.361063	C83	0.00153
PCB 112 (BZ)				1.079				ND		0.00110
PCB 109 (BZ)/108 (IUPAC)		561610		0.967		4.094201		0.454911	BC86	0.00123
PCB 86 (BZ)		561610		0.967		4.094201		0.454911	BC	0.00123
PCB 119 (BZ)		561610		0.967		4.094201		0.454911	BC86	0.00123
PCB 97 (BZ)		561610		0.967		4.094201		0.454911	BC86	0.00123
PCB 125 (BZ)	33:40	561610	66715	0.967		4.094201		0.454911	BC86	0.00123
PCB 87 (BZ)		561610		0.967		4.094201		0.454911	BC86	0.00123
PCB 117 (BZ)	34:07	483338	16830	0.979		3.479150		0.386572	C85	0.00121
PCB 116 (BZ)	34:16	483338	84729	0.979		3.479150		0.386572	C85	0.00121
PCB 85 (BZ)		483338		0.979		3.479150		0.386572	C	0.00121
PCB 110 (BZ)	34:27	1171824	224104	1.139		7.252775		0.805864	BC	0.00104
PCB 115 (BZ)		1171824		1.139		7.252775		0.805864	BC110	0.00104
PCB 82 (BZ)	34:50	14629	2303	0.605		0.170529		0.018948	Q	0.00196
PCB 111 (BZ)				1.129				ND		0.00105
PCB 120 (BZ)	35:28	14476	3114	1.192		0.085583		0.009509	QJ	0.000995

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PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AC	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jqx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99540	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/11/07
Analysis Time	18:13	Initial Wt/Vol	9.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 124 (BZ)		59164		1.123		0.303115		0.033679	C108	0.00100
PCB 108 (BZ)/107 (IUPAC)	36:41	59164	12822	1.123		0.303115		0.033679	C	0.00100
PCB 107 (BZ)/109 (IUPAC)	36:56	271760	53529	1.074		1.456302		0.161811		0.00105
PCB 123 (BZ)	37:03	48731	9839	1.136		0.249556		0.027728		0.000943
PCB 106 (BZ)				1.046				ND		0.00108
PCB 118 (BZ)	37:22	4373165	835467	1.094		21.654305		2.406034	B	0.000956
PCB 122 (BZ)				1.047				ND		0.00108
PCB 114 (BZ)	37:56	108449	16322	1.196		0.525133		0.058348		0.000949
PCB 105 (BZ)	38:39	1452986	260001	1.218		7.022751		0.780306		0.000960
PCB 127 (BZ)	40:02	7032	1553	1.130		0.035804		0.003978	J	0.000998
PCB 126 (BZ)	41:43	16651	3171	1.111		0.088357		0.009817	J	0.00112
Total Hexachlorobiphenyl		13907604	2597508			90.321124		10.035680	BQ	0.0620
13C12-PCB 155	31:59	1553972	327279	1.178	10.00	9.664531	96.65	1.073837		0.000980
13C12-PCB 153				0.833	5.000			ND		0.00162
13C12-PCB 138	40:27	1604959	319974	1.000	10.00	10.000000	100.00	1.111111		0.000964
13C12-PCB 167	43:23	1565352	311460	1.237	10.00	7.886874	78.87	0.876319		0.000779
13C12-PCB 156	44:41	3464228	361394	1.229	20.00	17.565394	87.83	1.951710		0.000784
13C12-PCB 157								ND		0.000000
13C12-PCB 169	47:56	1367044	241035	1.188	10.00	7.172275	71.72	0.796919		0.000811
PCB 155 (BZ)				1.117				ND		0.00119
PCB 152 (BZ)				1.023				ND		0.00129
PCB 150 (BZ)				1.032				ND		0.00128
PCB 136 (BZ)	33:01	61146	13027	0.967		0.407097		0.045233		0.00137
PCB 145 (BZ)				1.021				ND		0.00130
PCB 148 (BZ)				0.749				ND		0.00177
PCB 151 (BZ)	35:16	322070	50535	0.781		2.655409		0.295045	C135	0.00170
PCB 135 (BZ)		322070		0.781		2.655409		0.295045	C	0.00170
PCB 154 (BZ)		322070		0.781		2.655409		0.295045	C135	0.00170
PCB 144 (BZ)	35:50	26948	5572	0.759		0.228580		0.025398		0.00175
PCB 147 (BZ)	36:14	220861	41250	0.862		1.602648		0.178072	BC	0.00220
PCB 149 (BZ)		220861		0.862		1.602648		0.178072	BC147	0.00220
PCB 134 (BZ)	36:28	22472	4434	0.711		0.197521		0.021947	C	0.00267
PCB 143 (BZ)		22472		0.711		0.197521		0.021947	C134	0.00267
PCB 139 (BZ)	36:44	61492	10802	0.856		0.449375		0.049931	C	0.00222
PCB 140 (BZ)		61492		0.856		0.449375		0.049931	C139	0.00222
PCB 131 (BZ)	37:02	4092	927	0.713		0.035868		0.003985	QJ	0.00266
PCB 142 (BZ)				0.735				ND		0.00258
PCB 132 (BZ)	37:35	74020	15817	0.710		0.651750		0.072417		0.00267
PCB 133 (BZ)	37:53	51923	10712	0.768		0.422569		0.046952		0.00247
PCB 165 (BZ)				0.993				ND		0.00191
PCB 146 (BZ)	38:32	588212	117751	0.874		4.210025		0.467781		0.00217
PCB 161 (BZ)				1.090				ND		0.00174
PCB 153 (BZ)	39:08	5172108	1029251	1.068		30.270170		3.363352	BC	0.00178
PCB 168 (BZ)		5172108		1.068		30.270170		3.363352	BC153	0.00178
PCB 141 (BZ)	39:25	240650	43391	0.756		1.991145		0.221238		0.00251
PCB 130 (BZ)	39:51	96552	17204	0.708		0.852244		0.094694		0.00268
PCB 137 (BZ)	40:02	140641	27634	0.835		1.053150		0.117017		0.00227
PCB 164 (BZ)	40:10	112119	20491	1.033		0.678596		0.075400		0.00184
PCB 138 (BZ)	40:28	4828613	935452	0.922		32.748253		3.638695	BC129	0.00206

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IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AC	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jqx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99540	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/11/07
Analysis Time	18:13	Initial Wt/Vol	9.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 163 (BZ)		4828613		0.922		32.748253		3.638695	BC129	0.00206
PCB 129 (BZ)		4828613		0.922		32.748253		3.638695	BC	0.00206
PCB 160 (BZ)		4828613		0.922		32.748253		3.638695	BC129	0.00206
PCB 158 (BZ)	40:50	480545	92234	1.191		2.522697		0.280300		0.00159
PCB 166 (BZ)	41:42	34140	6810	1.102		0.193694		0.021522	Q	0.00172
PCB 128 (BZ)	41:50	703384	138767	0.769		5.720881		0.635653		0.00247
PCB 159 (BZ)	42:41	4289	1284	1.079		0.024849		0.002761	QJ	0.00176
PCB 162 (BZ)	42:56	17674	3745	1.079		0.102438		0.011382	Q	0.00176
PCB 167 (BZ)	43:24	131547	25274	1.150		0.730606		0.081178		0.00121
PCB 156 (BZ)	44:37	507600	76082	1.151		2.546900		0.282989	C	0.00208
PCB 157 (BZ)		507600		1.151		2.546900		0.282989	C156	0.00208
PCB 169 (BZ)	47:55	4507	847	1.337		0.024658		0.002740	QJ	0.00134
Total Heptachlorobiphenyl		3026344	360678			22.573177		2.508131	Q	0.0286
13C12-PCB 188	37:43	1670401	336267	1.238	10.00	9.922981	99.23	1.102553		0.00110
13C12-PCB 178	40:48	1120984	226210	0.863	10.00	9.552837	95.53	1.061426		0.00158
13C12-PCB 180	45:55	1359596	242241	1.000	10.00	10.000000	100.00	1.111111		0.00136
13C12-PCB 170	47:18	1004846	183878	0.813	10.00	9.085427	90.85	1.009492		0.00168
13C12-PCB 189	50:24	1519921	270804	1.620	10.00	9.511566	95.12	1.056841		0.00125
PCB 188 (BZ)				1.071				ND		0.000957
PCB 179 (BZ)	38:14	65170	13430	1.200		0.406060		0.045118		0.00110
PCB 184 (BZ)				1.178				ND		0.00112
PCB 176 (BZ)	39:04	4863	1107	1.252		0.029039		0.003227	J	0.00106
PCB 186 (BZ)				1.214				ND		0.00109
PCB 178 (BZ)	40:49	108232	21955	0.889		0.909819		0.101091		0.00149
PCB 175 (BZ)	41:27	9106	2199	0.920		0.073987		0.008221	J	0.00144
PCB 187 (BZ)	41:43	626361	123219	1.009		4.641684		0.515743		0.00131
PCB 182 (BZ)				0.972				ND		0.00136
PCB 183 (BZ)	42:19	273451	54245	0.946		2.160626		0.240070		0.00140
PCB 185 (BZ)	42:28	20602	4259	0.919		0.167611		0.018623	Q	0.00144
PCB 174 (BZ)	42:41	32564	6605	0.924		0.263460		0.029273	Q	0.00143
PCB 177 (BZ)	43:06	74216	14093	0.880		0.630849		0.070094		0.00151
PCB 181 (BZ)	43:25	6555	1186	0.975		0.050275		0.005586	J	0.00136
PCB 171 (BZ)		128231		0.835		1.148034		0.127559	C	0.00159
PCB 173 (BZ)	43:42	128231	24686	0.835		1.148034		0.127559	C171	0.00159
PCB 172 (BZ)	45:17	60160	12253	0.838		0.536568		0.059619		0.00158
PCB 192 (BZ)				1.147				ND		0.00115
PCB 193 (BZ)	45:56	1037543	182158	1.134		6.839964		0.759996	C180	0.00117
PCB 180 (BZ)		1037543		1.134		6.839964		0.759996	C	0.00117
PCB 191 (BZ)	46:18	30859	4677	1.228		0.187904		0.020878		0.00108
PCB 170 (BZ)	47:19	364474	69380	1.058		3.429605		0.381067		0.00177
PCB 190 (BZ)	47:47	165341	28766	1.254		0.986064		0.109563		0.00106
PCB 189 (BZ)	50:26	18616	3304	1.097		0.111627		0.012403		0.00116
Total Octachlorobiphenyl		562708	97988			5.014165		0.557129	Q	0.0116
13C12-PCB 202	43:05	1431891	287119	0.994	10.00	10.597609	105.98	1.177512		0.000958
13C12-PCB 194	52:29	986124	162823	1.000	10.00	10.000000	100.00	1.111111		0.00142
13C12-PCB 205	52:58	1278676	214060	1.407	10.00	9.217473	92.17	1.024164		0.00101
PCB 202 (BZ)	43:06	60421	12000	0.993		0.425064		0.047229		0.000867
PCB 200 (BZ)/201 (IUPAC)	44:00	8305	2132	1.087		0.053357		0.005929	QJ	0.000792
PCB 204 (BZ)				1.033				ND		0.000833

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PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AC	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jqx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99540	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/11/07
Analysis Time	18:13	Initial Wt/Vol	9.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 197 (BZ)	44:53	7664	1410	1.061		0.050429		0.005603	QJ	0.000811
PCB 199 (BZ)/200 (IUPAC)				1.031				ND		0.000835
PCB 198 (BZ)	47:55	117558	20660	0.761		1.079115		0.119902	C	0.00113
PCB 201 (BZ)/199 (IUPAC)		117558		0.761		1.079115		0.119902	C198	0.00113
PCB 196 (BZ)	48:32	47205	8545	0.752		0.438327		0.048703		0.00114
PCB 203 (BZ)	48:43	136033	22207	0.856		1.109853		0.123317		0.00101
PCB 195 (BZ)	50:08	55905	9872	0.723		0.605108		0.067234		0.00160
PCB 194 (BZ)	52:32	117822	19302	0.795		1.159210		0.128801		0.00145
PCB 205 (BZ)	53:00	11795	1860	0.984		0.093703		0.010411	J	0.00117
Total Nonachlorobiphenyl		63207	11866			0.641764		0.071307	Q	0.00278
13C12-PCB 208	49:45	1337131	252137	1.161	10.00	11.678380	116.78	1.297598		0.00137
13C12-PCB 206	54:39	804933	141624	0.823	10.00	9.922143	99.22	1.102460		0.00193
PCB 208 (BZ)	49:47	12983	2488	1.026		0.094609		0.010512	J	0.000751
PCB 207 (BZ)	50:42	5434	1030	1.264		0.040138		0.004460	QJ	0.000781
PCB 206 (BZ)	54:40	44790	8348	1.097		0.507018		0.056335		0.00125
13C12-PCB 209	56:09	1206290	221006	0.930	10.00	13.151976	131.52	1.461331		0.00145
PCB 209 (BZ)	56:11	10827	2140	1.006		0.089245		0.009916	J	0.000812

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IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AC	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jqx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99540	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	09/28/07 18:13	Matrix	BIOLOGIC	Date Sampled	09/11/07
Anal Exp Date	09/20/08	Initial Wt/Vol	9.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
188					188.0393	190.0363	188.0393	190.0363	2.66-3.60		
	Noise	00:00	00:00	0	105	105	42	42	1.00 *	/	
	PCB 1 (BZ)	12:17	12:16	1	2480	822	822	257	3.02	MBB/ABB	
200					200.0795	202.0766	200.0795	202.0766	2.66-3.60		
	Noise	00:00	00:00	0	178	518	71	207	0.34 *	/	
	13C12-PCB 1	12:16	12:15	1	1146898	365787	406910	131539	3.14	AVV/AVV	
	13C12-PCB 3	14:30	14:28	2	982806	298691	289214	87053	3.29	ABV/ABV	
222					222.0003	223.9974	222.0003	223.9974	1.33-1.79		
	Noise	00:00	00:00	0	138	450	55	180	0.31 *	/	
	PCB 4 (BZ)	14:47	14:46	1	2617	5898	1008	1335	0.44 *	MBB/ABV	R
	PCB 10 (BZ)	14:57	14:57	0	774	5510	276	1130	0.14 *	MBB/AVB	R
	PCB 7 (BZ)	16:55	16:53	2	1391	5385	335	1004	0.26 *	MVB/AVV	RT
	PCB 6 (BZ)	17:11	17:10	1	3117	9382	864	956	0.33 *	MBB/AVV	R
	PCB 8 (BZ)	17:38	17:37	1	11008	13308	2676	2621	0.83 *	ABB/ABB	R
	PCB 11 (BZ)	20:08	20:07	1	5558	14789	1743	2236	0.38 *	MBV/ABV	R
	PCB 15 (BZ)	20:47	20:44	3	3723	7184	1156	959	0.52 *	MBB/ABB	R
234					234.0406	236.0376	234.0406	236.0376	1.33-1.79		
	Noise	00:00	00:00	0	203	185	81	74	1.09 *	/	
	13C12-PCB 4	14:47	14:45	2	612079	382685	188889	116863	1.60	ABV/ABV	
	13C12-PCB 9	16:43	16:42	1	1391758	871603	388412	246299	1.60	AVV/ABV	
	13C12-PCB 15	20:46	20:44	2	1148255	701469	232098	143739	1.64	ABV/ABV	
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	Noise	00:00	00:00	0	128	118	51	47	1.09	/	
	PCB 18 (BZ)	19:49	19:48	1	18883	20164	4950	5249	0.94	ABB/ABB	
	PCB 17 (BZ)	20:13	20:13	0	8979	8622	2524	1954	1.04	ABB/ABB	
	PCB 27 (BZ)	20:29	20:28	1	2472	1713	624	423	1.44 *	MBB/MVV	R
	PCB 24 (BZ)	20:34	20:34	0	685	706	234	235	0.97	MVV/MVV	
	PCB 16 (BZ)	20:46	20:44	2	4276	3440	1090	822	1.24 *	ABB/ABB	R
	PCB 32 (BZ)	21:13	21:14	-1	4616	4442	1069	922	1.04	ABB/ABB	
	PCB 29 (BZ)	22:55	22:54	1	13574	12368	2906	2823	1.10	ABB/ABB	
	PCB 25 (BZ)	23:10	23:08	2	4871	4553	1338	945	1.07	ABB/ABB	
	PCB 31 (BZ)	23:28	23:29	-1	63430	58698	12883	12760	1.08	ABV/ABV	
	PCB 28 (BZ)	23:46	23:45	1	122430	122419	23988	25262	1.00	AVV/AVV	
	PCB 33 (BZ)	24:03	24:03	0	20860	21046	4176	4136	0.99	AVB/AVV	
	PCB 22 (BZ)	24:28	24:27	1	19591	20068	3652	3732	0.98	ABB/AVV	
	PCB 39 (BZ)	26:21	26:19	2	1321	893	262	275	1.48 *	ABB/MVV	R
	PCB 37 (BZ)	27:53	27:51	2	4961	4973	1195	1278	1.00	ABB/ABB	
268					268.0016	269.9986	268.0016	269.9986	0.88-1.20		
	Noise	00:00	00:00	0	370	325	148	130	1.14	/	
	13C12-PCB 19	17:57	17:56	1	425483	371076	113856	98596	1.15	AVV/AVV	
	13C12-PCB 32	21:12	21:12	0	972010	849064	232951	201977	1.14	ABV/AVV	
	13C12-PCB 31	23:27	23:27	0	1284940	1215929	274048	262064	1.06	ABV/ABV	
	13C12-PCB 28	23:45	23:44	1	1030600	991279	215868	208250	1.04	AVV/AVV	
	13C12-PCB 37	27:52	27:49	3	959756	901445	167592	160788	1.06	ABV/ABV	

Notes:
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T = peaks outside comax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AC	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jqx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99540	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	09/28/07 18:13	Matrix	BIOLOGIC	Date Sampled	09/11/07
Anal Exp Date	09/20/08	Initial Wt/Vol	9.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	Noise	00:00	00:00	0	108	133	43	53	0.81	/	
	PCB 50 (BZ)	23:14	23:13	1	1870	3084	514	686	0.61 *	ABB/ABB	R
	PCB 45 (BZ)	23:57	23:56	1	3539	3825	993	937	0.93 *	ABB/ABB	R
	PCB 52 (BZ)	25:36	25:37	-1	210056	273299	45212	59226	0.77	ABV/ABV	D
	PCB 73 (BZ)	25:47	25:44	3	4059	4588	902	1125	0.88	AVV/AVV	T
	PCB 49 (BZ)	26:04	26:06	-2	112006	145707	24275	30163	0.77	AVV/AVV	D
	PCB 48 (BZ)	26:20	26:22	-2	15490	18034	3910	4122	0.86	AVB/AVB	D
	PCB 65 (BZ)	26:38	26:35	3	105002	132887	15934	18601	0.79	ABB/ABB	
	PCB 62 (BZ)	26:52	26:51	1	9708	14251	1881	1580	0.68	ABB/ABB	T
	PCB 42 (BZ)	27:11	27:10	1	15834	18303	3058	4341	0.87	ABB/ABB	
	PCB 41 (BZ)	27:36	27:35	1	2954	3703	710	1086	0.80	MVV/MVV	
	PCB 71 (BZ)	27:39	27:40	-1	12344	18424	2714	3524	0.67	MBV/MVV	
	PCB 64 (BZ)	27:52	27:52	0	69877	86088	14403	16792	0.81	AVB/MVV	D
	PCB 68 (BZ)	28:53	28:55	-2	2989	3848	615	752	0.78	ABB/AVB	
	PCB 57 (BZ)	29:20	29:22	-2	1617	2219	437	397	0.73	ABB/ABB	
	PCB 67 (BZ)	29:45	29:45	0	4132	4149	924	918	1.00 *	AVB/AVB	R
	PCB 63 (BZ)	30:01	30:03	-2	17814	22986	3999	4817	0.77	ABB/ABB	
	PCB 70 (BZ)	30:24	30:24	0	507485	669477	92076	127751	0.76	ABV/ABV	
	PCB 66 (BZ)	30:43	30:44	-1	355001	470967	69642	93018	0.75	MVV/MVV	
	PCB 55 (BZ)	30:55	30:56	-1	9866	13801	1581	2093	0.71	MVV/MVV	
	PCB 56 (BZ)	31:28	31:27	1	21525	26256	3842	4868	0.82	ABV/AVV	
	PCB 60 (BZ)	31:40	31:39	1	75507	93147	14006	16844	0.81	AVV/AVV	
	PCB 79 (BZ)	33:31	33:33	-2	2628	3547	741	957	0.74	AVV/MVV	
	PCB 81 (BZ)	34:36	34:35	1	934	1001	273	394	0.93 *	ABB/MVV	R
	PCB 77 (BZ)	35:13	35:10	3	15534	17177	2270	2632	0.90 *	MBV/MBB	R
302					301.9626	303.9597	301.9626	303.9597	0.65-0.89		
	Noise	00:00	00:00	0	138	125	55	50	1.10 *	/	
	13C12-PCB 54	21:07	21:05	2	409656	500279	98182	119199	0.82	ABV/ABV	
	13C12-PCB 52	25:35	25:36	-1	619250	815740	138625	177463	0.76	ABV/ABV	
	13C12-PCB 81	34:34	34:33	1	697048	887807	124489	157559	0.79	ABV/ABV	
	13C12-PCB 77	35:11	35:09	2	715972	899586	124257	161710	0.80	ABV/ABV	
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	Noise	00:00	00:00	0	170	160	68	64	1.06 *	/	
	PCB 103 (BZ)	28:47	28:50	-3	3059	1743	775	460	1.76	ABB/ABB	
	PCB 95 (BZ)	29:33	29:36	-3	162953	98907	32235	21129	1.65	ABV/ABV	
	PCB 102 (BZ)	29:51	29:53	-2	2615	1493	481	370	1.75	AVB/AVB	
	PCB 91 (BZ)	30:23	30:25	-2	23201	16077	4420	3309	1.44	ABV/ABB	
	PCB 84 (BZ)	30:42	30:42	0	15816	9437	3324	2188	1.68	AVB/ABB	
	PCB 92 (BZ)	31:48	31:52	-4	138697	92105	28693	18410	1.51	ABV/ABV	
	PCB 113 (BZ)	32:23	32:24	-1	874085	557675	171387	112651	1.57	ABV/ABV	
	PCB 83 (BZ)	32:57	32:58	-1	828884	520959	162040	101024	1.59	ABV/ABV	
	PCB 125 (BZ)	33:40	33:39	1	342205	219405	40708	26007	1.56	AVB/AVB	
	PCB 117 (BZ)	34:07	34:09	-2	43938	31185	9929	6901	1.41	ABV/ABV	
	PCB 116 (BZ)	34:16	34:13	3	249971	158244	51912	32817	1.58	AVV/AVV	

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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AC	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jqx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99540	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	09/28/07 18:13	Matrix	BIOLOGIC	Date Sampled	09/11/07
Anal Exp Date	09/20/08	Initial Wt/Vol	9.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	PCB 110 (BZ)	34:27	34:28	-1	718711	453113	136777	87327	1.59	AVB/AVB	
	PCB 82 (BZ)	34:50	34:50	0	10630	5737	2018	903	1.85 *	ABB/MBB	R
	PCB 120 (BZ)	35:28	35:32	-4	10201	5677	1841	1221	1.80 *	AVB/ABB	R
	PCB 108 (BZ)/107 (IUPAC	36:41	36:44	-3	34732	24432	7689	5133	1.42	ABV/ABV	
	PCB 107 (BZ)/109 (IUPAC	36:56	36:58	-2	166730	105030	33867	19662	1.59	AVV/AVV	
	PCB 123 (BZ)	37:03	37:04	-1	28874	19857	6005	3834	1.45	AVB/AVB	
	PCB 118 (BZ)	37:22	37:25	-3	2681628	1691537	514150	321317	1.59	ABV/ABV	
	PCB 114 (BZ)	37:56	37:57	-1	65535	42914	9483	6839	1.53	AVB/AVV	
	PCB 105 (BZ)	38:39	38:40	-1	891725	561261	161027	98974	1.59	ABB/AVB	
	PCB 127 (BZ)	40:02	40:03	-1	4475	2557	1015	538	1.75	MVB/AVB	
	PCB 126 (BZ)	41:43	41:42	1	10147	6504	2054	1117	1.56	ABV/ABV	
338					337.9207	339.9178	337.9207	339.9178	1.32-1.78		
	Noise	00:00	00:00	0	143	130	57	52	1.10 *	/	
	13C12-PCB 104	26:30	26:31	-1	887561	531287	196242	112866	1.67	ABV/ABV	
	Unidentified	26:41	00:00	0	7985	4081	1707	652	1.96 *	AVV/AVV	R
	13C12-PCB 101	32:22	32:24	-2	843823	521230	166136	101026	1.62	ABV/ABV	
	13C12-PCB 111	34:59	35:02	-3	979270	595223	202001	121681	1.65	ABV/ABV	
	13C12-PCB 123	37:01	37:04	-3	1055676	663229	211142	131219	1.59	ABV/ABV	
	13C12-PCB 118	37:20	37:23	-3	1128397	718108	213341	137340	1.57	AVV/AVV	
	13C12-PCB 114	37:54	37:55	-1	1059252	667324	197824	125231	1.59	AVV/AVV	
	13C12-PCB 105	38:37	38:38	-1	1045232	653253	194624	119074	1.60	ABV/ABV	
	13C12-PCB 127	39:58	40:01	-3	1296335	811696	243325	147105	1.60	ABV/ABV	
	13C12-PCB 126	41:42	41:41	1	1049293	646907	183368	111741	1.62	ABV/ABV	
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	Noise	00:00	00:00	0	210	180	84	72	1.17	/	
	PCB 136 (BZ)	33:01	33:03	-2	33247	27899	6915	6112	1.19	ABB/ABB	
	PCB 151 (BZ)	35:16	35:20	-4	182704	139366	28999	21536	1.31	ABV/ABV	
	PCB 144 (BZ)	35:50	35:54	-4	14362	12586	3048	2524	1.14	ABB/ABB	
	PCB 147 (BZ)	36:14	36:15	-1	124132	96729	24206	17044	1.28	ABV/ABV	
	PCB 134 (BZ)	36:28	36:30	-2	12781	9691	2304	2130	1.32	AVV/AVB	
	PCB 139 (BZ)	36:44	36:49	-5	34707	26785	6240	4562	1.30	AVB/ABB	M
	PCB 131 (BZ)	37:02	37:05	-3	3224	1827	595	414	1.76 *	ABB/ABB	R
	PCB 132 (BZ)	37:35	37:37	-2	41954	32066	9448	6369	1.31	ABB/ABB	
	PCB 133 (BZ)	37:53	37:59	-6	29874	22049	6274	4438	1.35	ABB/ABB	M
	PCB 146 (BZ)	38:32	38:36	-4	325281	262931	66254	51497	1.24	ABV/ABB	
	PCB 153 (BZ)	39:08	39:14	-6	2864551	2307557	567449	461802	1.24	ABV/ABV	M
	PCB 141 (BZ)	39:25	39:28	-3	131473	109177	25990	17401	1.20	AVB/AVB	
	PCB 130 (BZ)	39:51	39:54	-3	53833	42719	9358	7846	1.26	ABV/ABV	
	PCB 137 (BZ)	40:02	40:05	-3	78290	62351	14849	12785	1.26	AVV/AVV	
	PCB 164 (BZ)	40:10	40:14	-4	63053	49066	11193	9298	1.29	AVB/AVB	
	PCB 138 (BZ)	40:28	40:32	-4	2687337	2141276	515390	420062	1.26	ABV/ABV	
	PCB 158 (BZ)	40:50	40:53	-3	266676	213869	51656	40578	1.25	AVB/AVB	
	PCB 166 (BZ)	41:42	41:44	-2	22160	15241	4104	3040	1.45 *	ABV/AVV	R
	PCB 128 (BZ)	41:50	41:51	-1	393562	309822	78999	59768	1.27	AVV/AVV	

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PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JQ1AC	Prep Batch	7264161	Lot No	H7I180256-001
Data File	/20070928s1/apj64jqx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99540	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	09/28/07 18:13	Matrix	BIOLOGIC	Date Sampled	09/11/07
Anal Exp Date	09/20/08	Initial Wt/Vol	9.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	PCB 159 (BZ)	42:41	42:43	-2	2374	2305	711	571	1.03 *	MVV/MVV	RT
	PCB 162 (BZ)	42:56	43:00	-4	14633	7890	2434	1672	1.85 *	ABV/ABV	R
	PCB 167 (BZ)	43:24	43:30	-6	69064	62483	14479	10795	1.11	ABB/ABV	M
	PCB 156 (BZ)	44:37	44:40	-3	280028	227572	43206	32876	1.23	ABV/ABV	
	PCB 169 (BZ)	47:55	47:53	2	3498	2012	781	378	1.74 *	MVV/MVB	R
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	Noise	00:00	00:00	0	145	133	58	53	1.09	/	
	13C12-PCB 155	31:59	32:05	-6	868449	685523	181985	145294	1.27	ABV/ABV	M
	13C12-PCB 138	40:27	40:30	-3	896568	708391	178397	141577	1.27	ABV/ABV	
	Unidentified	40:48	00:00	0	15208	9481	2474	1417	1.60 *	AVB/AVV	R
	13C12-PCB 167	43:23	43:27	-4	875888	689464	173697	137763	1.27	AVV/AVV	
	13C12-PCB 156	44:41	44:37	4	1953814	1510414	203375	158019	1.29	AVV/ABV	M
	13C12-PCB 169	47:56	47:52	4	776071	590973	136527	104508	1.31	ABV/ABV	D
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	Noise	00:00	00:00	0	155	155	62	62	1.00	/	
	PCB 179 (BZ)	38:14	38:18	-4	32934	32236	7374	6056	1.02	ABB/ABB	
	PCB 176 (BZ)	39:04	39:10	-6	2591	2272	613	494	1.14	ABB/ABB	M
	PCB 178 (BZ)	40:49	40:56	-7	52435	55797	10701	11254	0.94	ABB/ABB	M
	PCB 175 (BZ)	41:27	41:33	-6	4432	4674	1208	991	0.95	ABB/ABB	M
	PCB 187 (BZ)	41:43	41:49	-6	322050	304311	64200	59019	1.06	ABV/ABB	M
	PCB 183 (BZ)	42:19	42:25	-6	138306	135145	27542	26703	1.02	ABV/ABV	M
	PCB 185 (BZ)	42:28	42:34	-6	9849	10753	2247	2012	0.92	AVV/AVV	DTM
	PCB 174 (BZ)	42:41	42:44	-3	20256	15885	3432	3222	1.28 *	AVB/AVB	RD
	PCB 177 (BZ)	43:06	43:11	-5	38873	35343	7961	6132	1.10	ABB/ABB	M
	PCB 181 (BZ)	43:25	43:31	-6	3535	3020	582	604	1.17	ABV/ABB	M
	PCB 173 (BZ)	43:42	43:47	-5	67662	60569	13259	11427	1.12	AVB/ABB	M
	PCB 172 (BZ)	45:17	45:22	-5	29473	30687	5385	6868	0.96	ABB/ABB	M
	PCB 193 (BZ)	45:56	45:56	0	534111	503432	92934	89224	1.06	ABV/ABV	
	PCB 191 (BZ)	46:18	46:22	-4	15587	15272	2392	2285	1.02	AVV/AVB	D
	PCB 170 (BZ)	47:19	47:19	0	182189	182285	34640	34740	1.00	ABV/ABV	D
	PCB 190 (BZ)	47:47	47:48	-1	83771	81570	14988	13778	1.03	ABB/AVB	D
	PCB 189 (BZ)	50:26	50:22	4	9526	9090	1663	1641	1.05	ABB/ABB	
406					405.8428	407.8398	405.8428	407.8398	0.89-1.21		
	Noise	00:00	00:00	0	153	145	61	58	1.05	/	
	13C12-PCB 188	37:43	37:49	-6	852812	817589	175920	160347	1.04	ABV/ABV	
	13C12-PCB 178	40:48	40:54	-6	573012	547972	112553	113657	1.05	ABV/ABV	
	13C12-PCB 180	45:55	45:58	-3	698068	661528	124047	118194	1.06	ABV/ABV	
	13C12-PCB 170	47:18	47:17	1	507978	496868	94952	88926	1.02	ABV/ABV	
	13C12-PCB 189	50:24	50:20	4	789286	730635	136425	134379	1.08	ABV/ABV	
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	Noise	00:00	00:00	0	110	113	44	45	0.98	/	
	PCB 202 (BZ)	43:06	43:12	-6	30004	30417	5883	6117	0.99	ABV/ABB	M
	PCB 200 (BZ)/201 (IUPAC	44:00	44:08	-8	5157	4394	1083	1128	1.17 *	ABB/ABB	RM

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Data File	/20070928s1/apj64jqx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99540	Prep Exp Date	09/10/08	Date Received	09/18/07
Analysis Date	09/28/07 18:13	Matrix	BIOLOGIC	Date Sampled	09/11/07
Anal Exp Date	09/20/08	Initial Wt/Vol	9.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

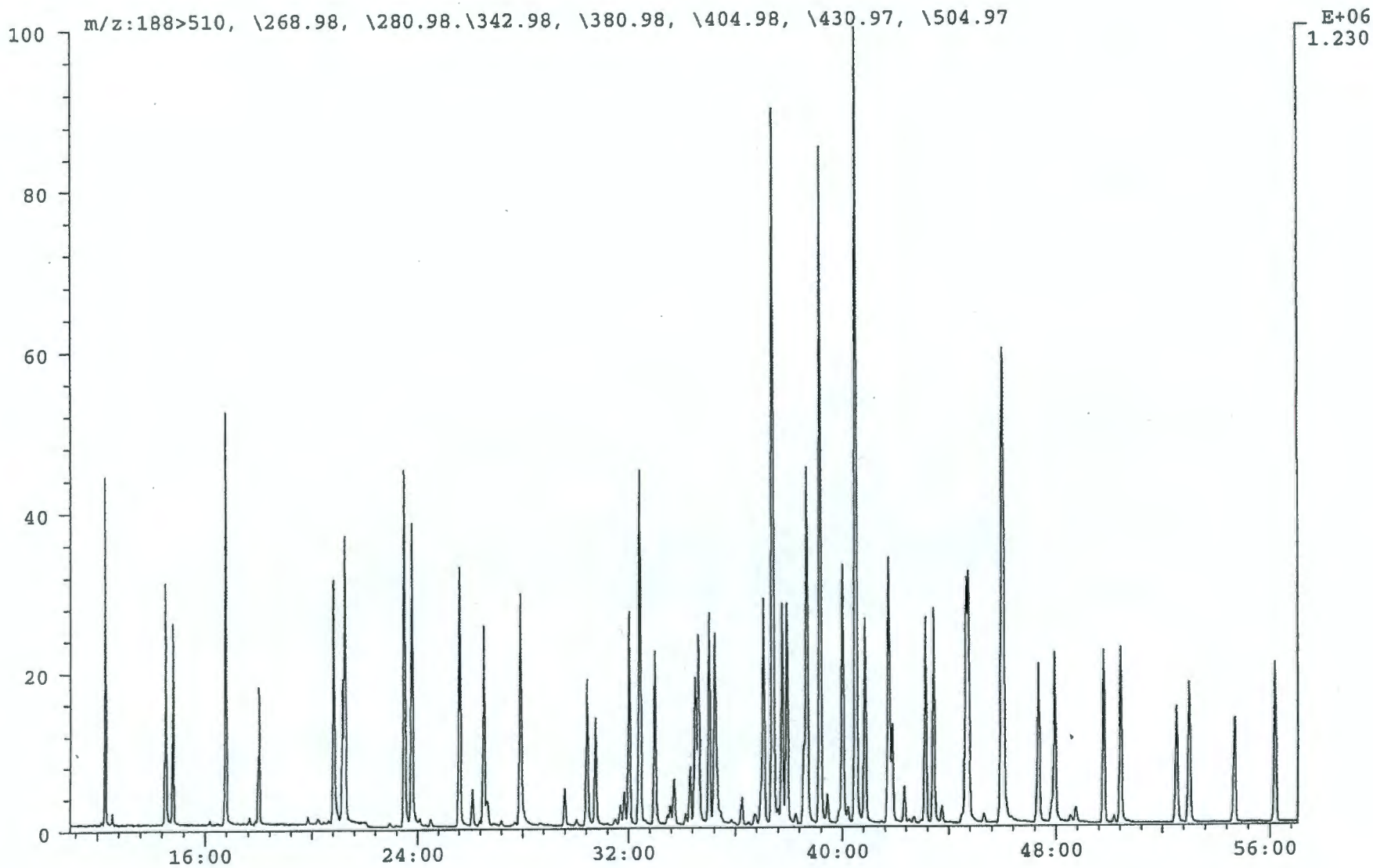
View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	PCB 197 (BZ)	44:53	45:00	-7	4243	4055	874	746	1.05 *	ABB/ABB	RM
	PCB 198 (BZ)	47:55	47:52	3	54043	63515	9352	11308	0.85	ABB/ABB	D
	PCB 196 (BZ)	48:32	48:35	-3	22178	25027	3869	4676	0.89	ABV/ABV	D
	PCB 203 (BZ)	48:43	48:45	-2	65804	70229	10546	11661	0.94	AVB/AVB	D
	PCB 195 (BZ)	50:08	50:06	2	25145	30760	4502	5370	0.82	ABB/ABB	D
	PCB 194 (BZ)	52:32	52:26	6	56633	61189	9336	9966	0.93	ABV/ABB	M
	PCB 205 (BZ)	53:00	52:54	6	5167	6628	866	994	0.78	ABB/ABB	M
440					439.8038	441.8008	439.8038	441.8008	0.76-1.02		
	Noise	00:00	00:00	0	108	100	43	40	1.08 *	/	
	13C12-PCB 202	43:05	43:11	-6	684994	746897	134673	152446	0.92	ABV/ABV	
	13C12-PCB 194	52:29	52:25	4	465160	520964	77074	85749	0.89	ABV/ABV	
	13C12-PCB 205	52:58	52:52	6	606236	672440	100450	113610	0.90	ABV/AVV	
462					461.7246	463.7216	461.7246	463.7216	0.65-0.89		
	Noise	00:00	00:00	0	73	103	29	41	0.71	/	
	PCB 208 (BZ)	49:47	49:49	-2	5347	7636	1019	1469	0.70	ABB/ABB	
	PCB 207 (BZ)	50:42	50:45	-3	2766	3070	688	582	0.90 *	ABB/ABB	R
	PCB 206 (BZ)	54:40	54:36	4	18799	25991	3661	4687	0.72	ABB/ABB	
474					473.7648	475.7619	473.7648	475.7619	0.65-0.89		
	Noise	00:00	00:00	0	118	115	47	46	1.02 *	/	
	13C12-PCB 208	49:45	49:48	-3	595950	741181	113422	138715	0.80	ABV/ABV	
	13C12-PCB 206	54:39	54:35	4	348886	456047	60465	81159	0.77	ABB/ABV	
496					495.6856	497.6826	495.6856	497.6826	0.59-0.79		
	Noise	00:00	00:00	0	85	78	34	31	1.10 *	/	
	PCB 209 (BZ)	56:11	56:11	0	4540	6287	987	1153	0.72	ABB/ABB	
508					507.7258	509.7229	507.7258	509.7229	0.59-0.79		
	Noise	00:00	00:00	0	115	83	46	33	1.39 *	/	
	13C12-PCB 209	56:09	56:10	-1	489553	716737	89946	131060	0.68	ABV/ABV	

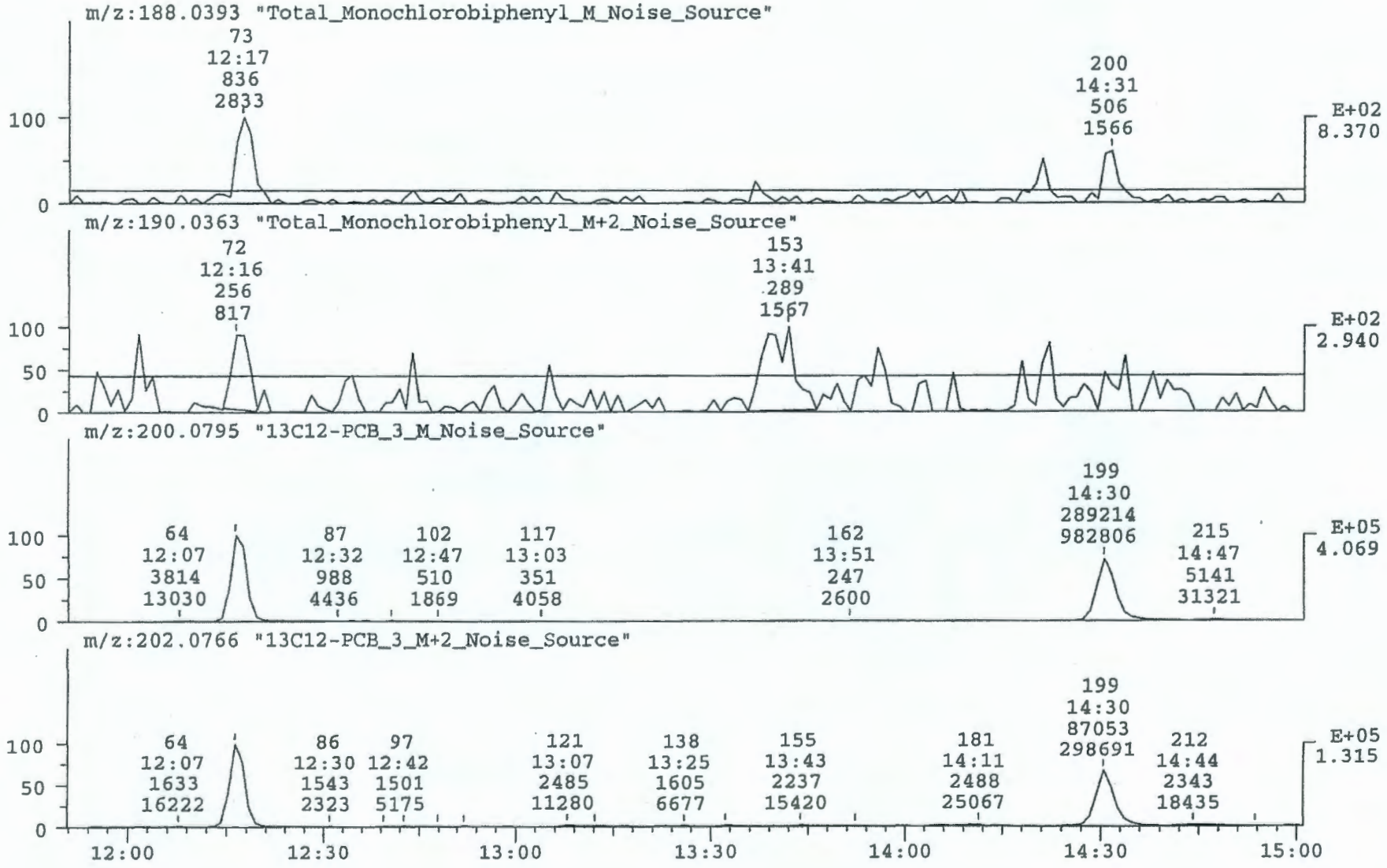
Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside cemax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  56:13      2556
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial 34
Peak:  100.00  ppm      Label wndw:   2 > 2601             Masses:  181 > 510
Area:  5, 0.50, 0       Baseline  :   100, 3               Label :  0, 0.0
Disp:  Height  Area
```

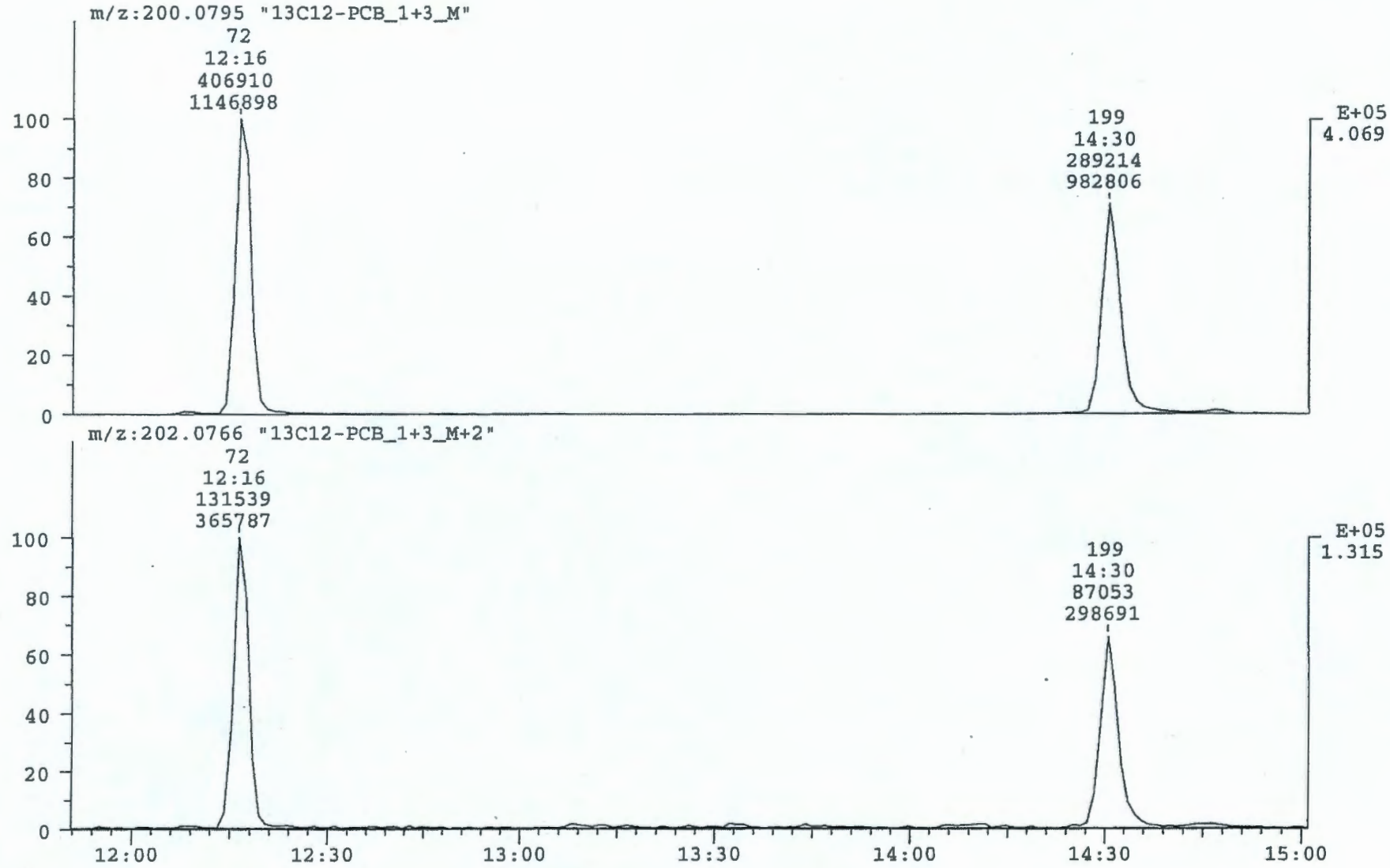
Int PMP 9-29-07
Calc 10/1/07
GC/JCUD 3/10/1/8



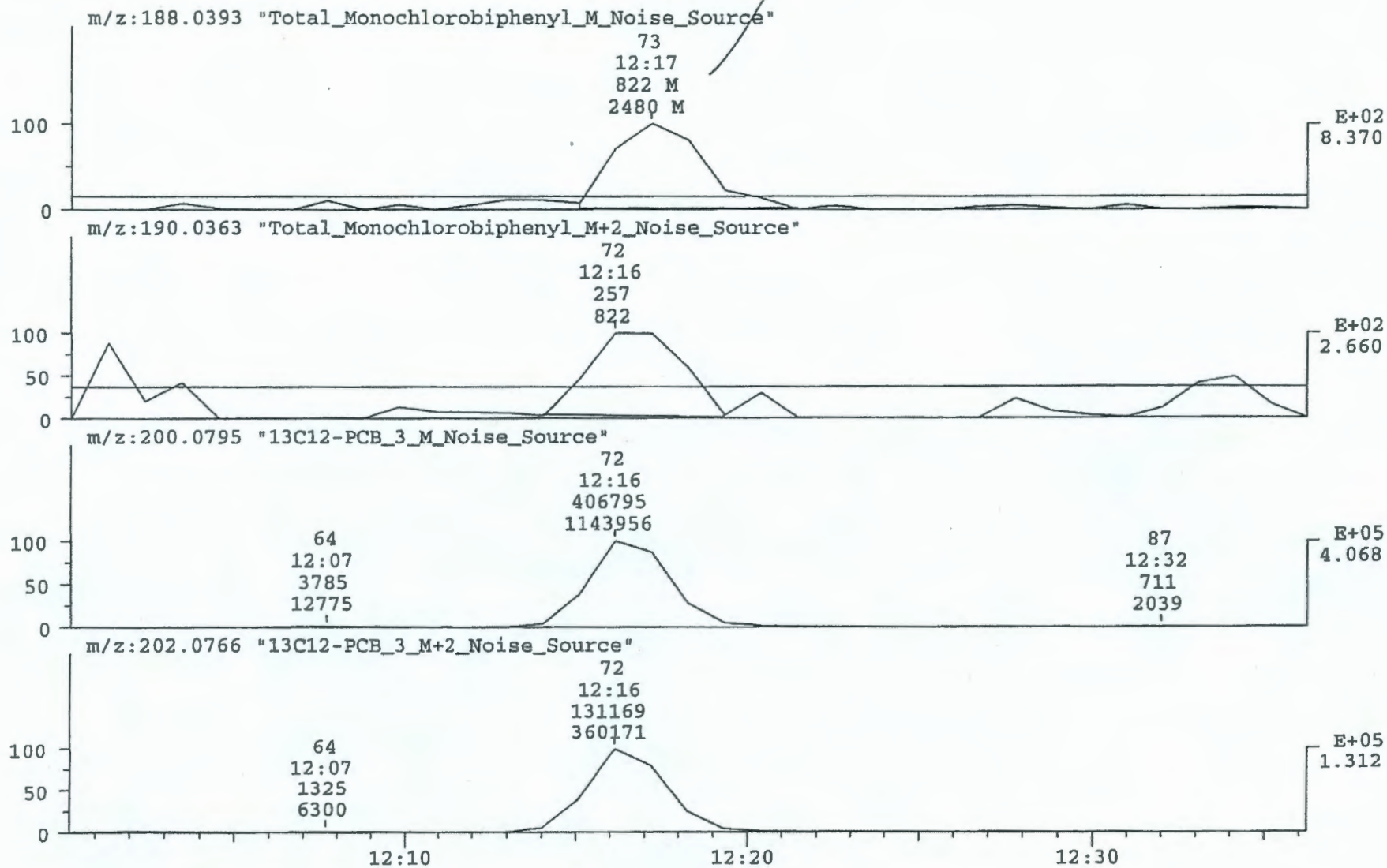
CHRO: apj64jqx 28-Sep-07 Elapse: 13:25.9 138
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 48 > 228 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



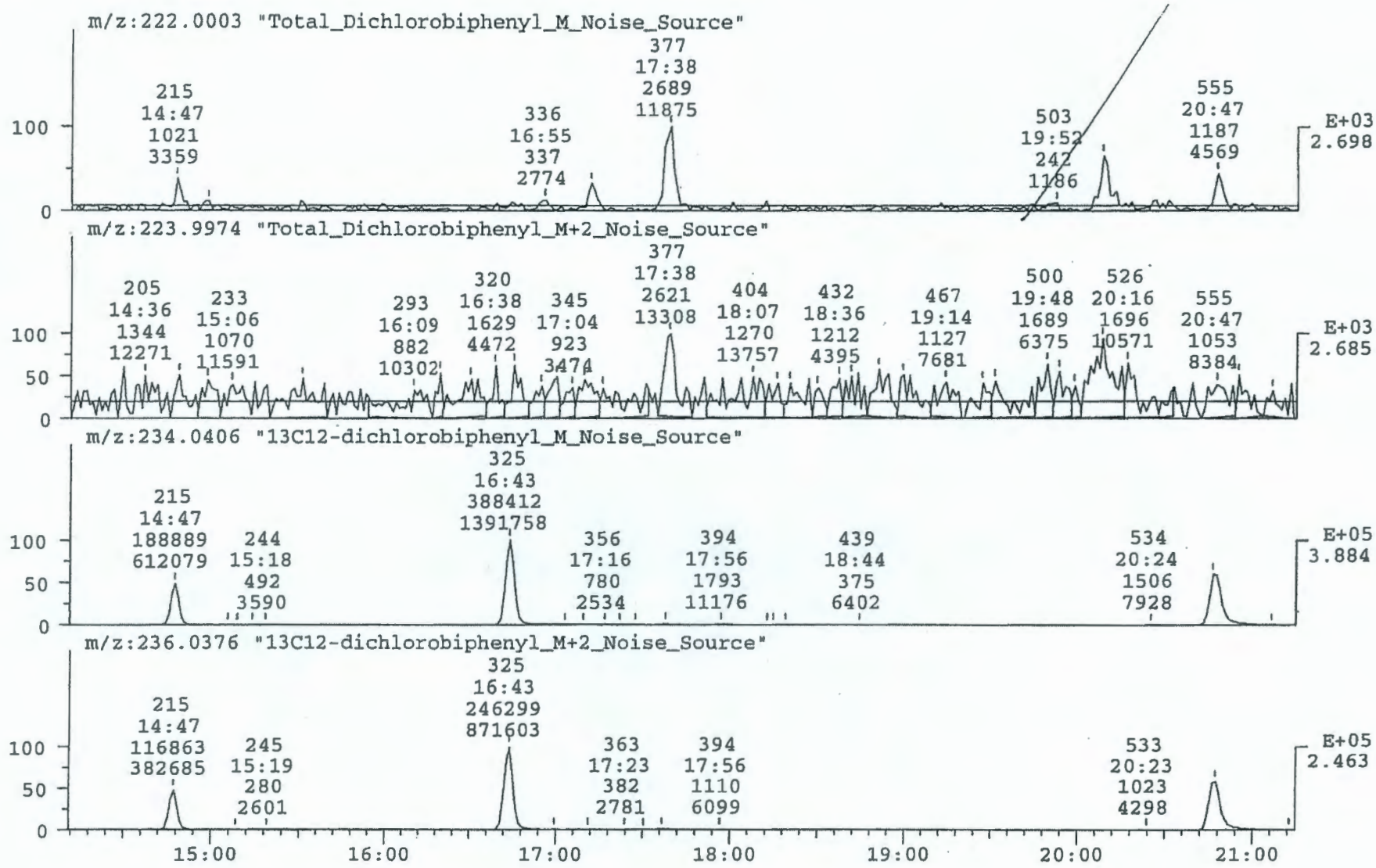
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  13:25.9      138
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45    2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   48 > 228            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



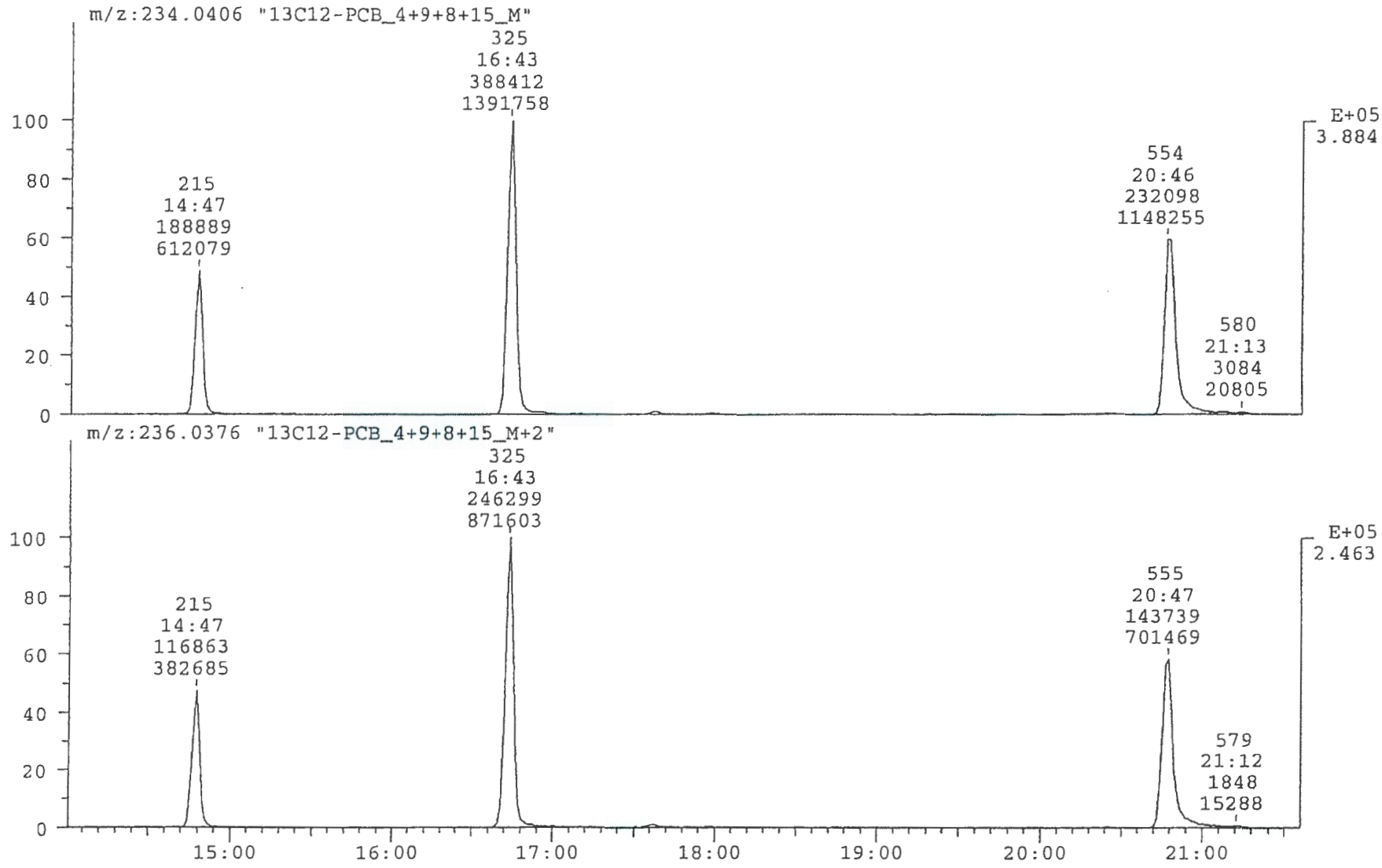
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  41:45      1738
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   57 > 91             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



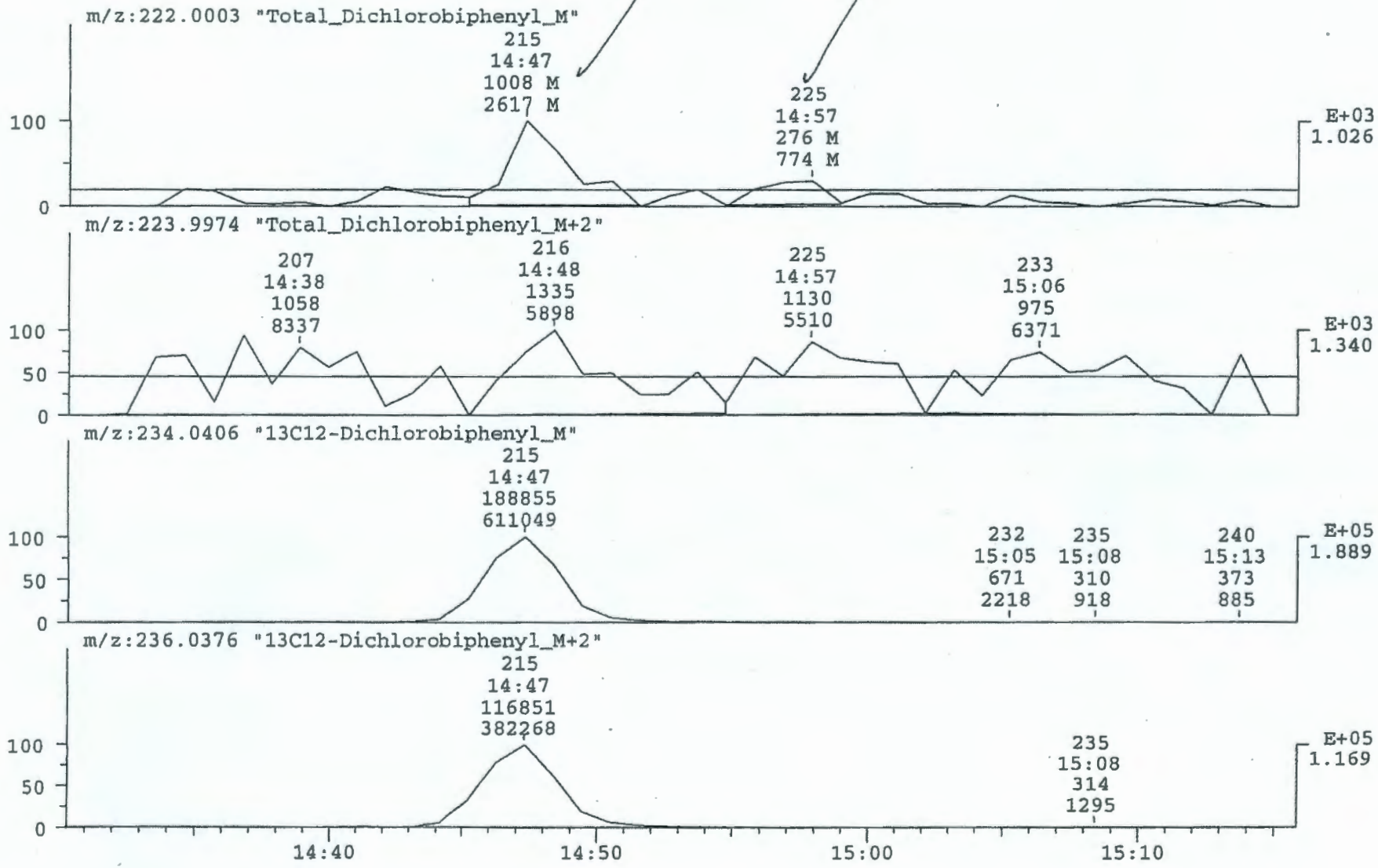
CHRO: apj64jqx 28-Sep-07 Elapse: 17:42.9 381
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 181 > 581 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



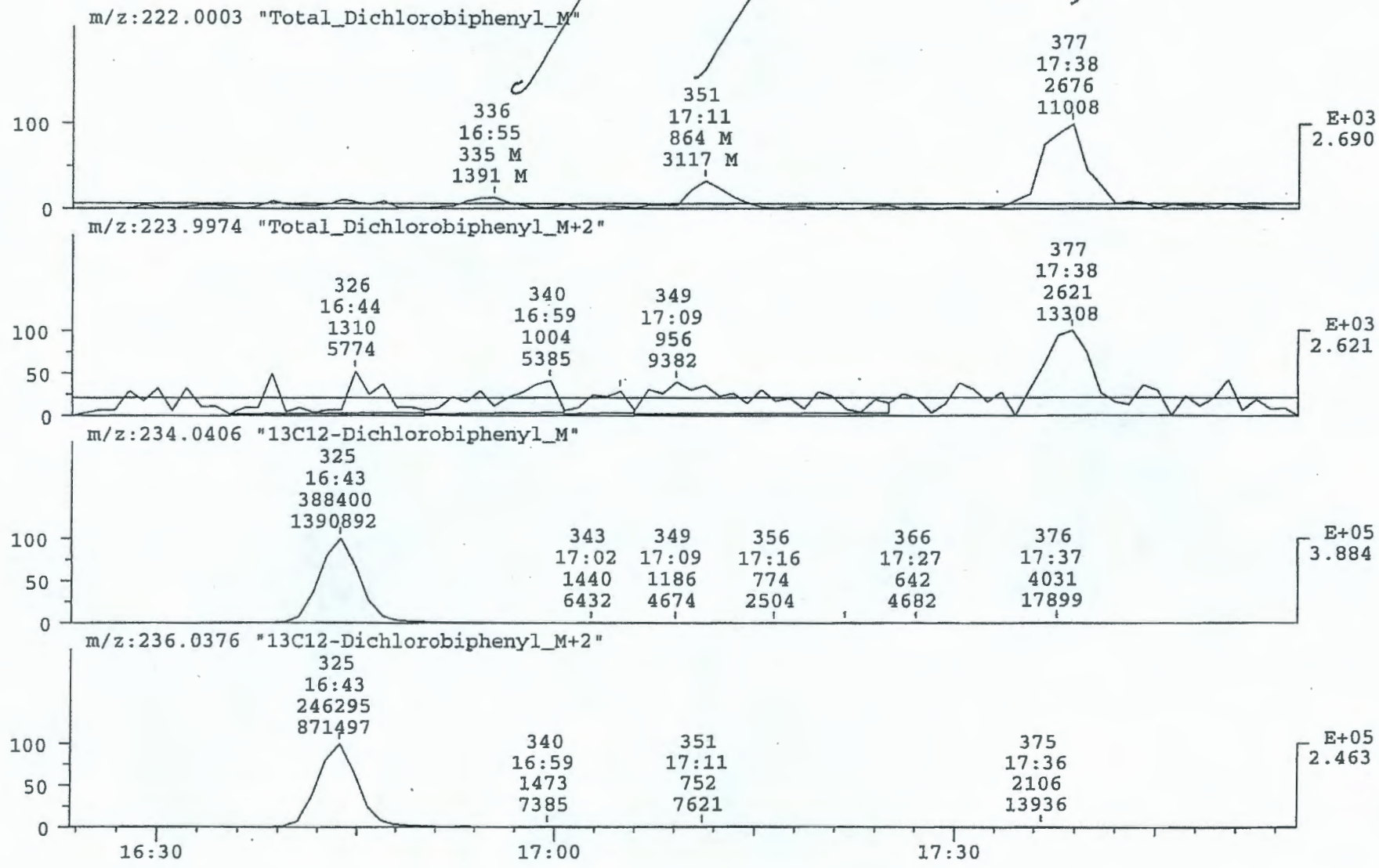
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  17:42.9      381
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45    2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   171 > 601           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



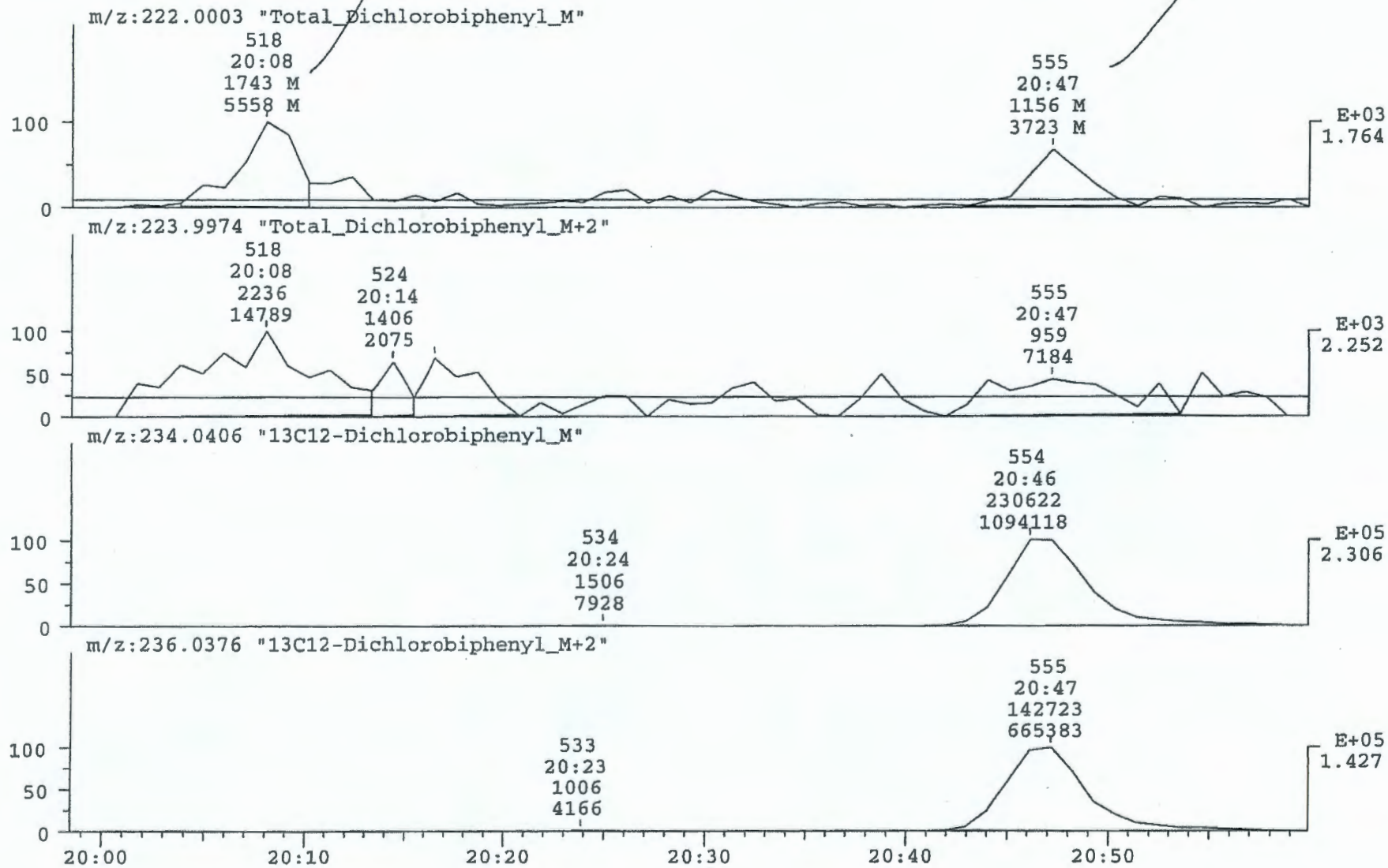
CHRO: apj64jqx 28-Sep-07 Elapse: 41:45 1738
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 199 > 242 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



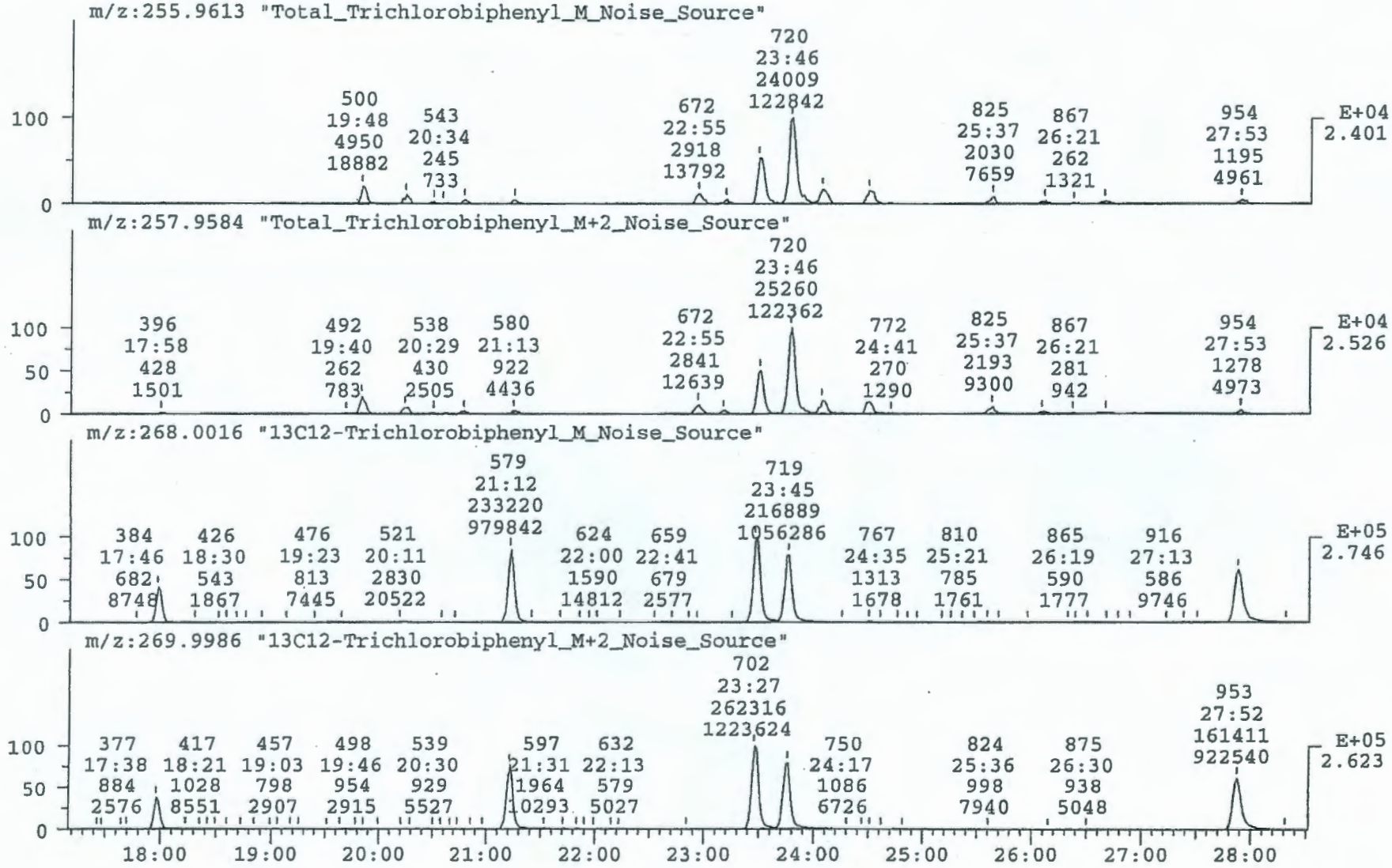
CHRO: apj64jqx 28-Sep-07 Elapse: 41:45 1738
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 306 > 393 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



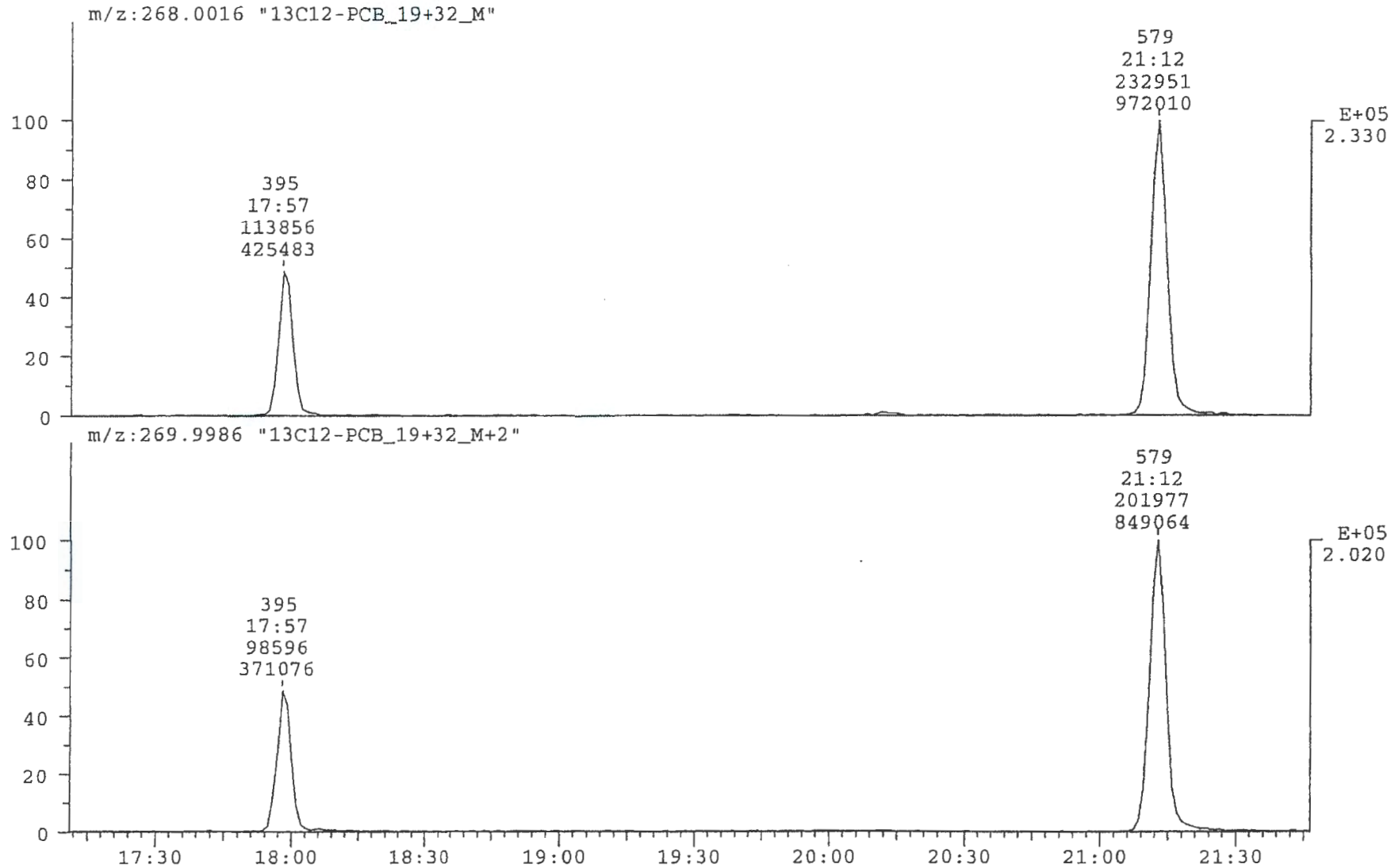
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  41:45      1738
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   509 > 567           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



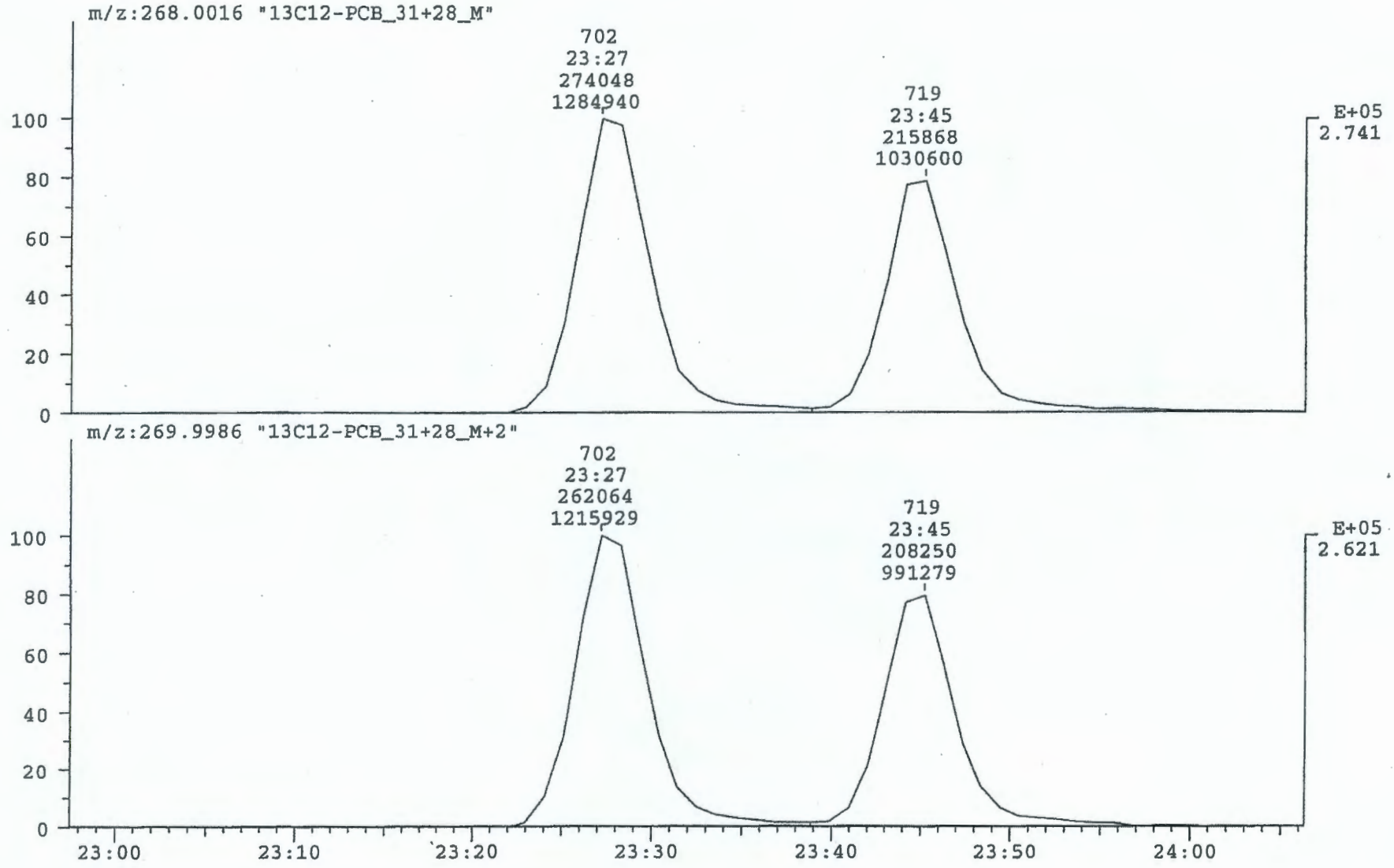
CHRO: apj64jqx 28-Sep-07 Elapse: 22:53.3 670
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 350 > 990 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



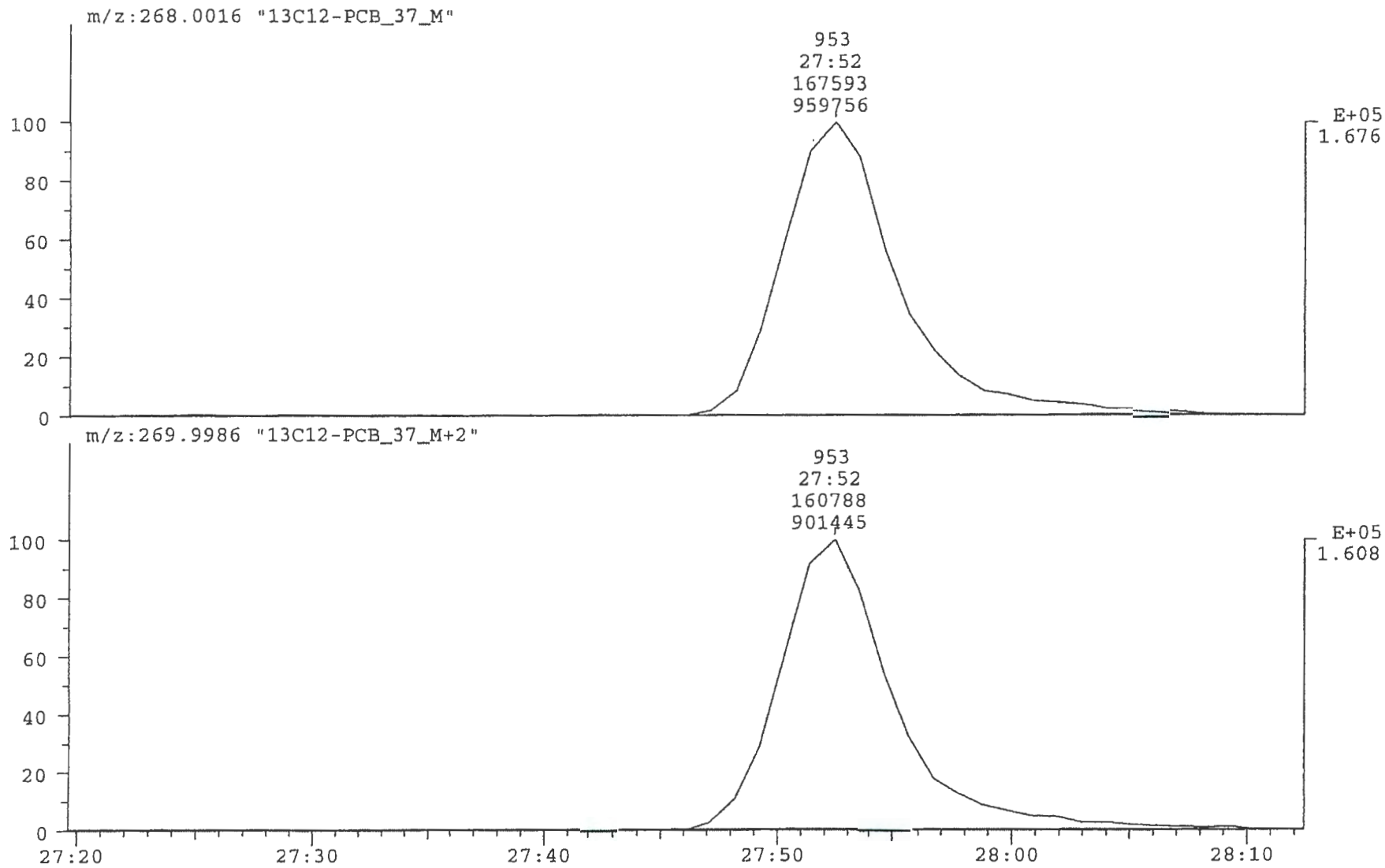
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  19:18.2      471
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45    2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   351 > 611            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 1               Label :  -3, 3.0
Disp:  Height  Area
```



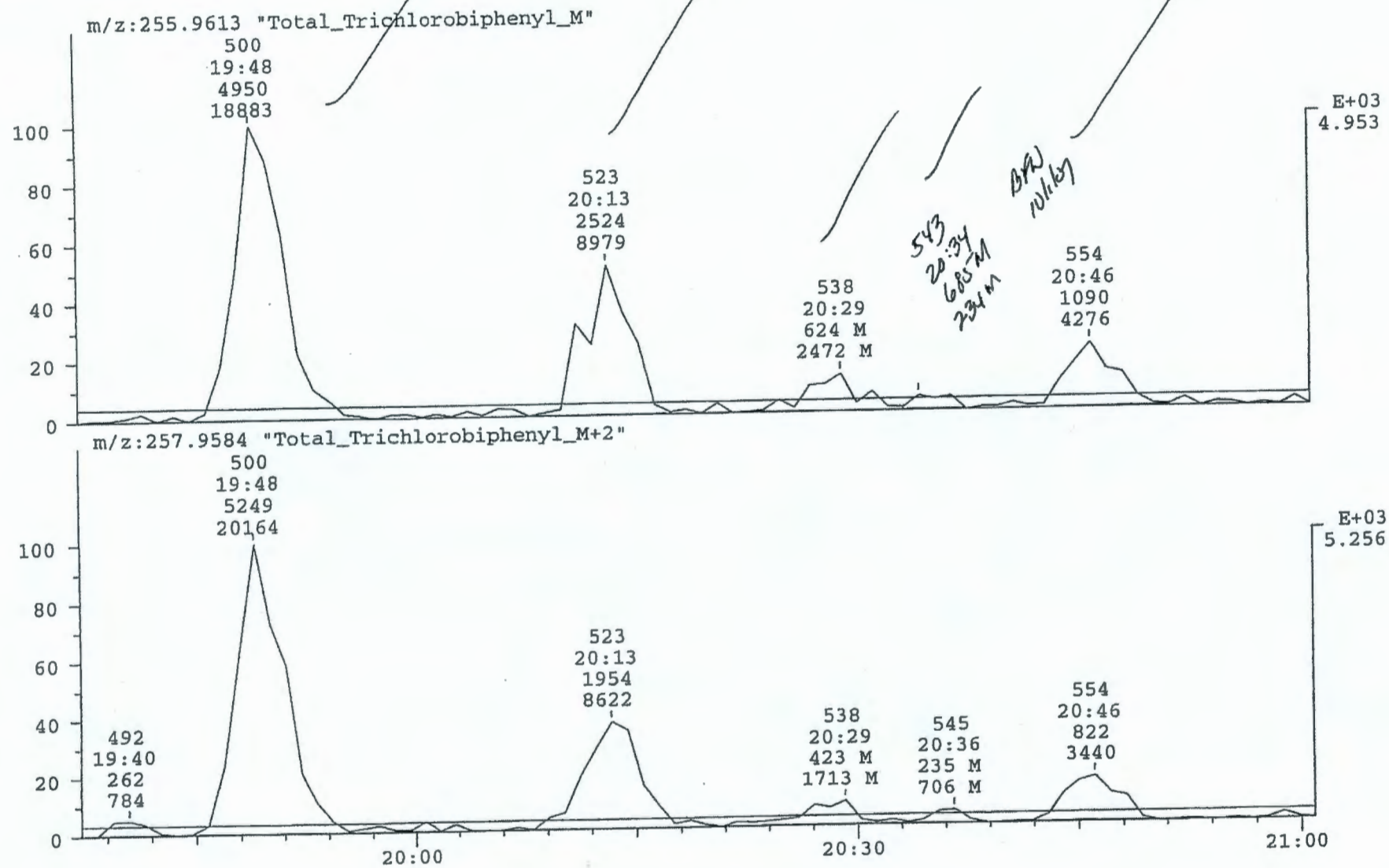
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  23:24.0      699
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45    2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC      Vial  34
Peak:  100.00  ppm      Label wndw:   674 > 739            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



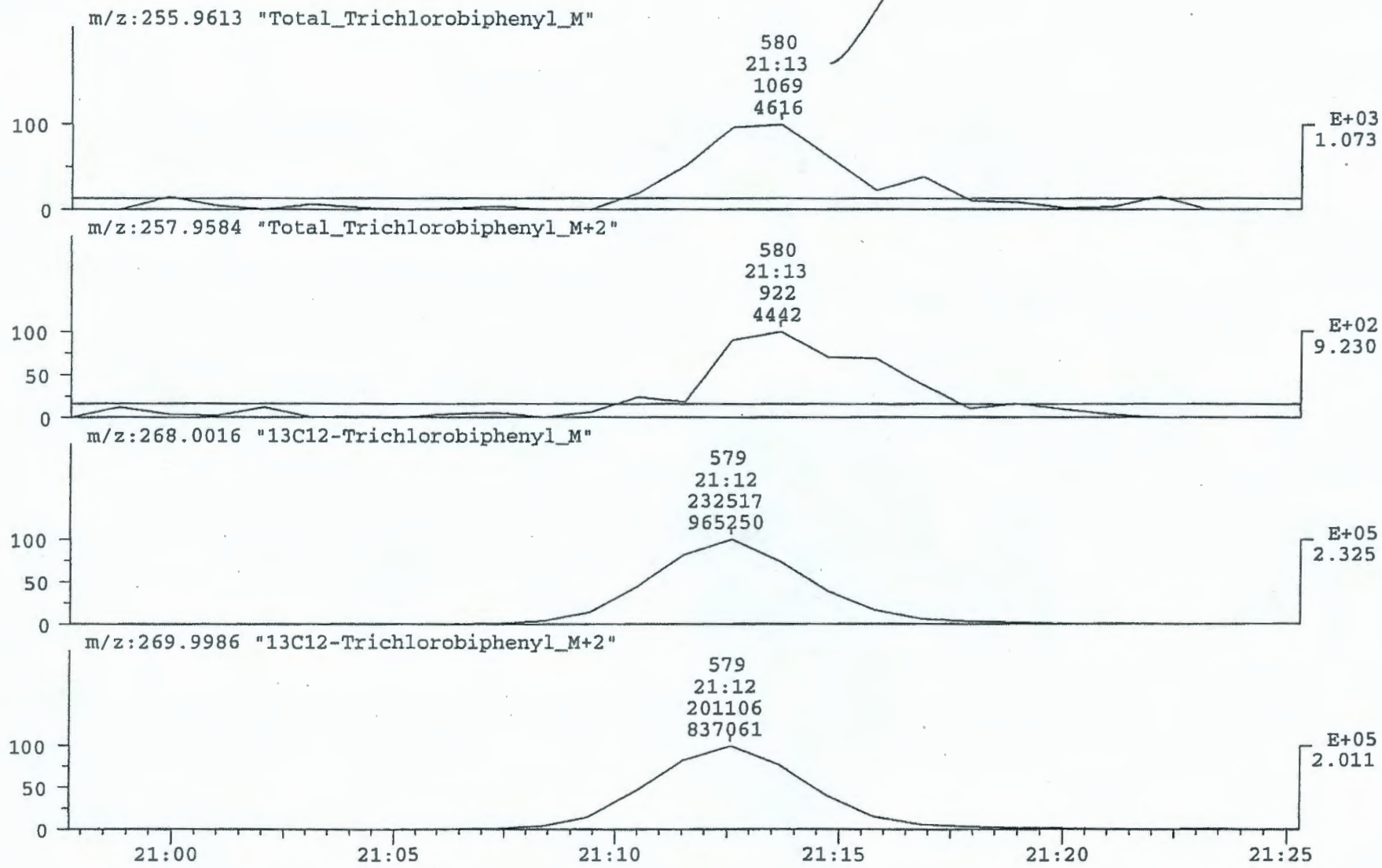
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  27:46.1      947
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45    2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   922 > 972            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



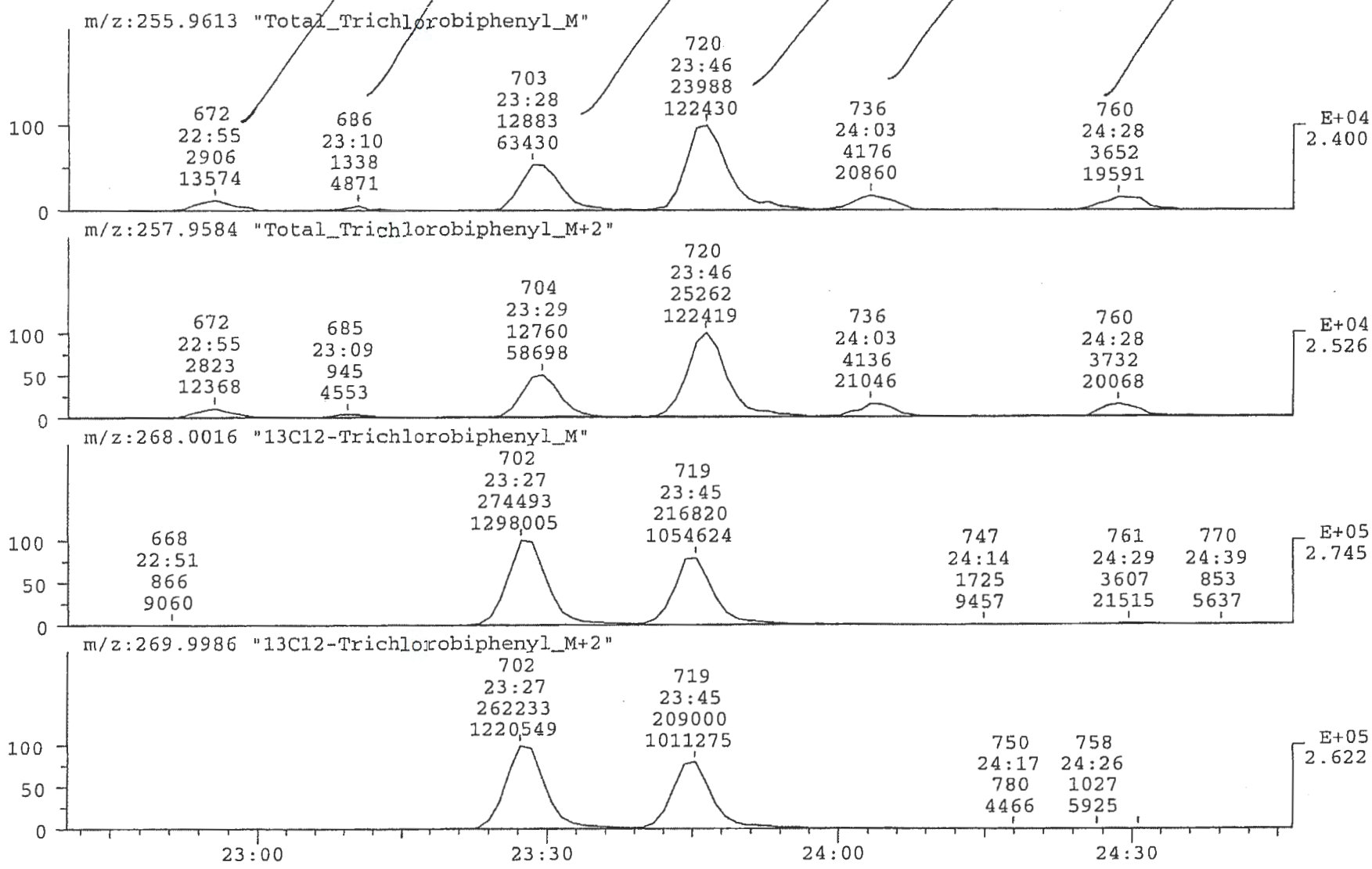
CHRO: apj64jqx 28-Sep-07 Elapse: 41:45 1738
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 489 > 568 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



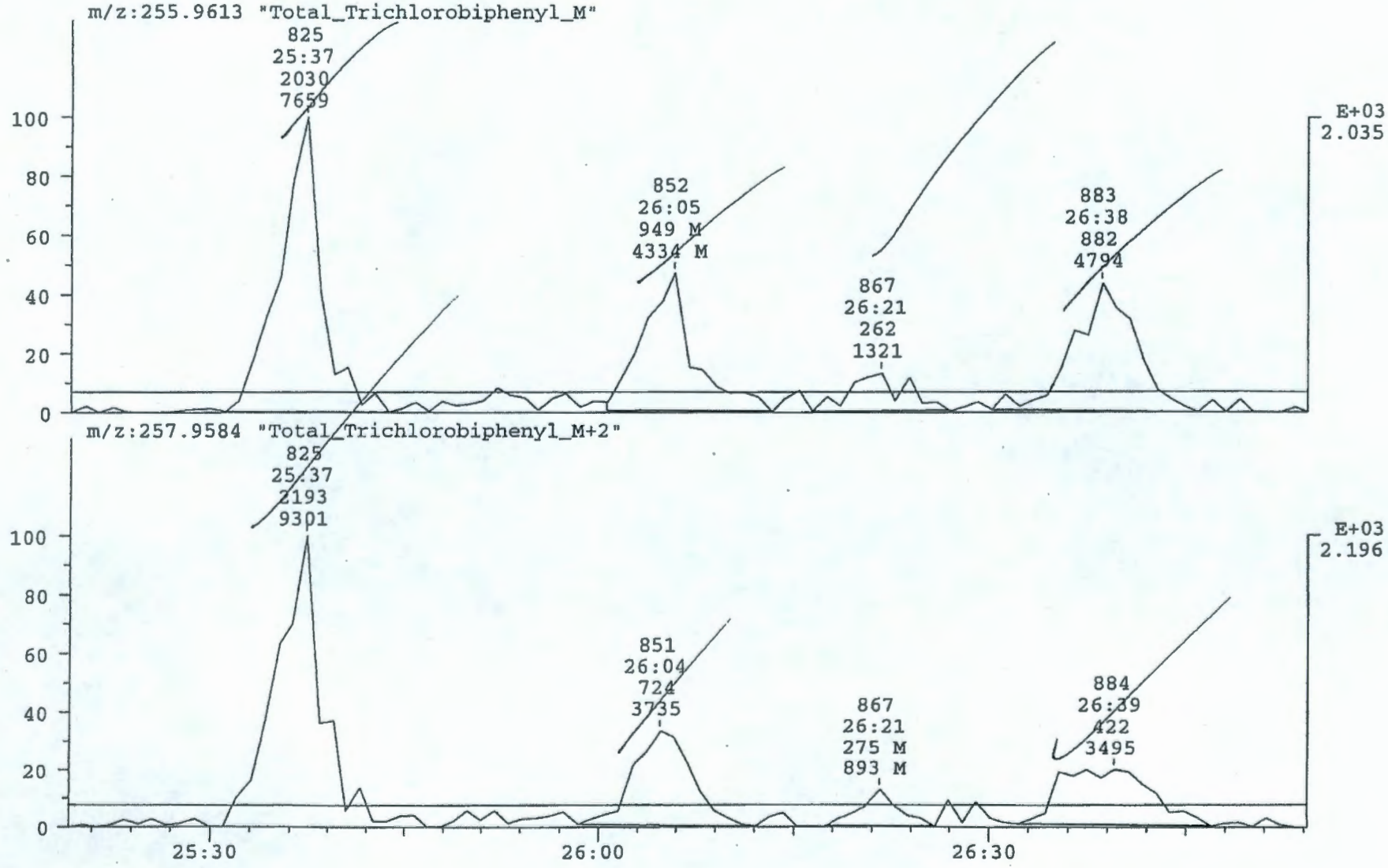
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  41:45      1738
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   565 > 591           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



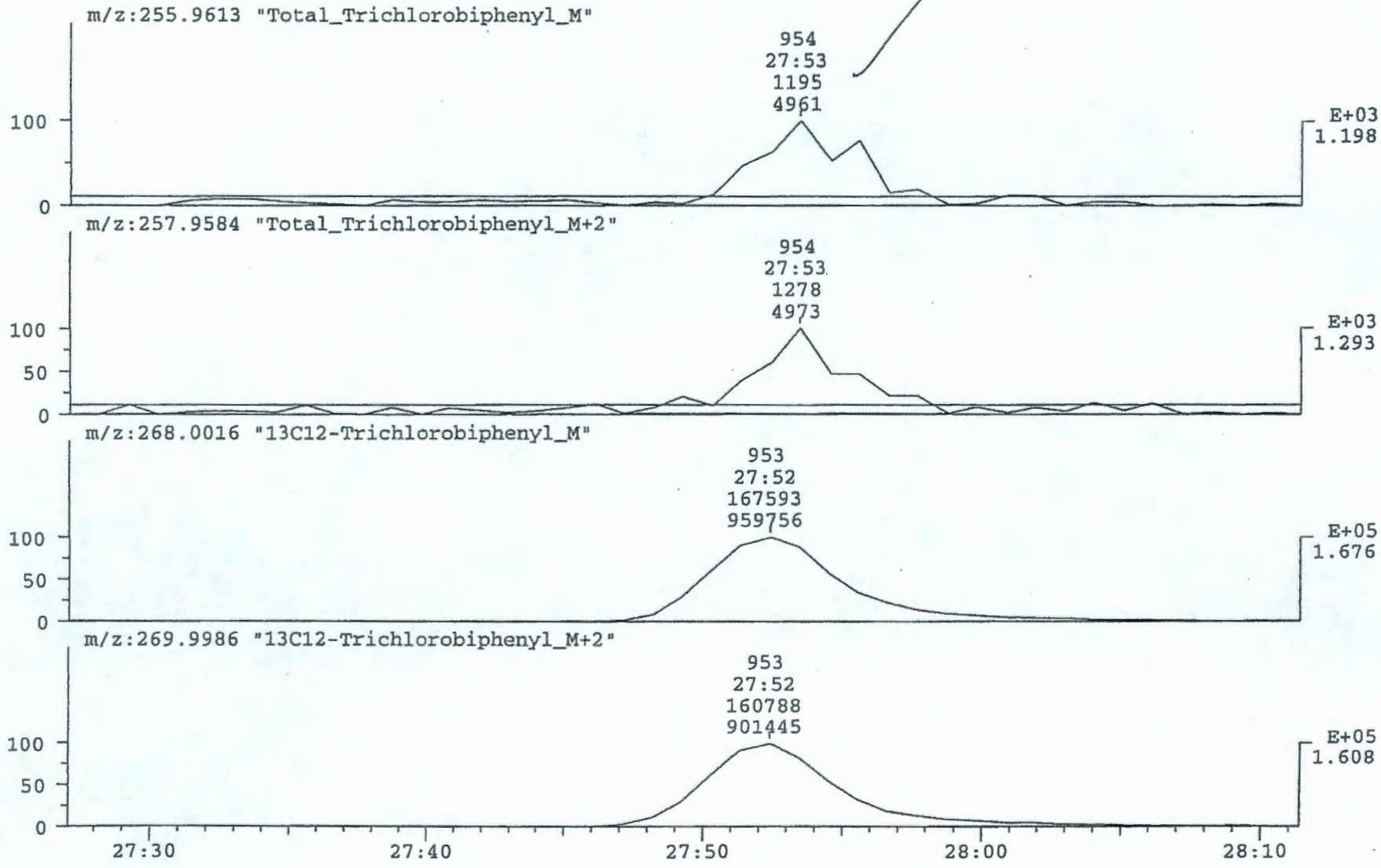
CHRO: apj64jqx 28-Sep-07 Elapse: 41:45 1738
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 658 > 777 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



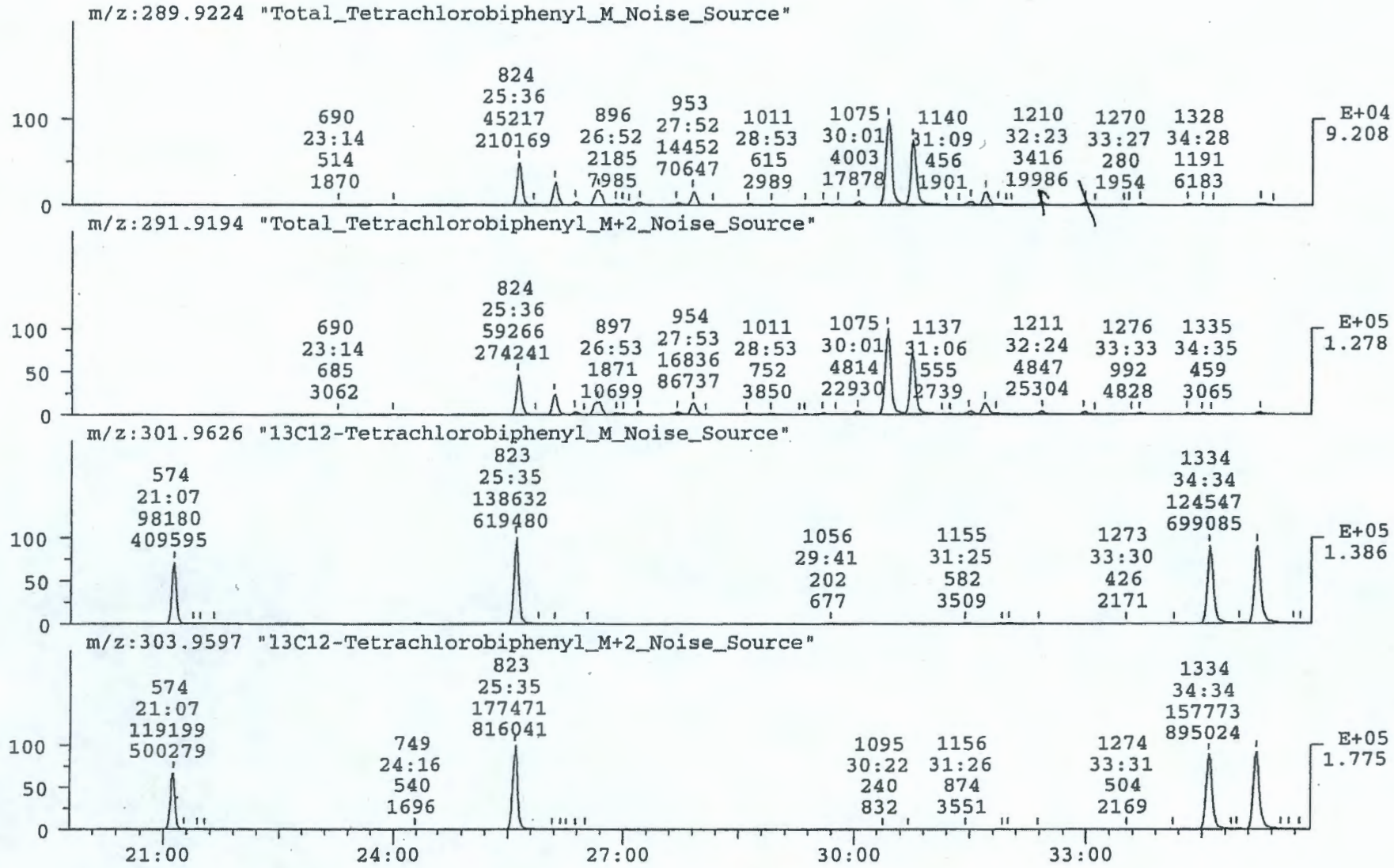
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  41:45      1738
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial 34
Peak:  100.00  ppm      Label wndw:   808 > 898           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



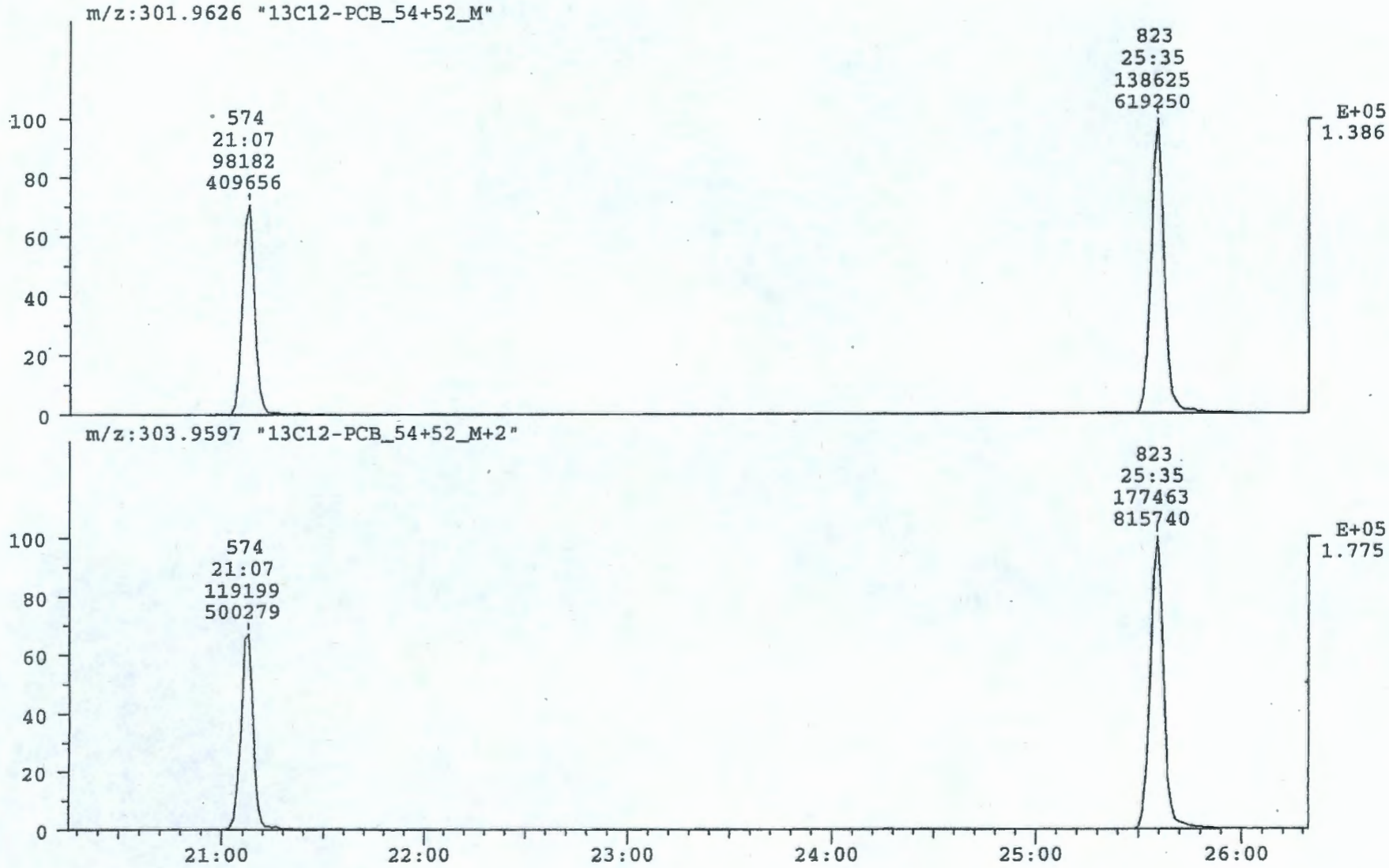
CHRO: apj64jqx 28-Sep-07 Elapse: 41:45 1738
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 929 > 971 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



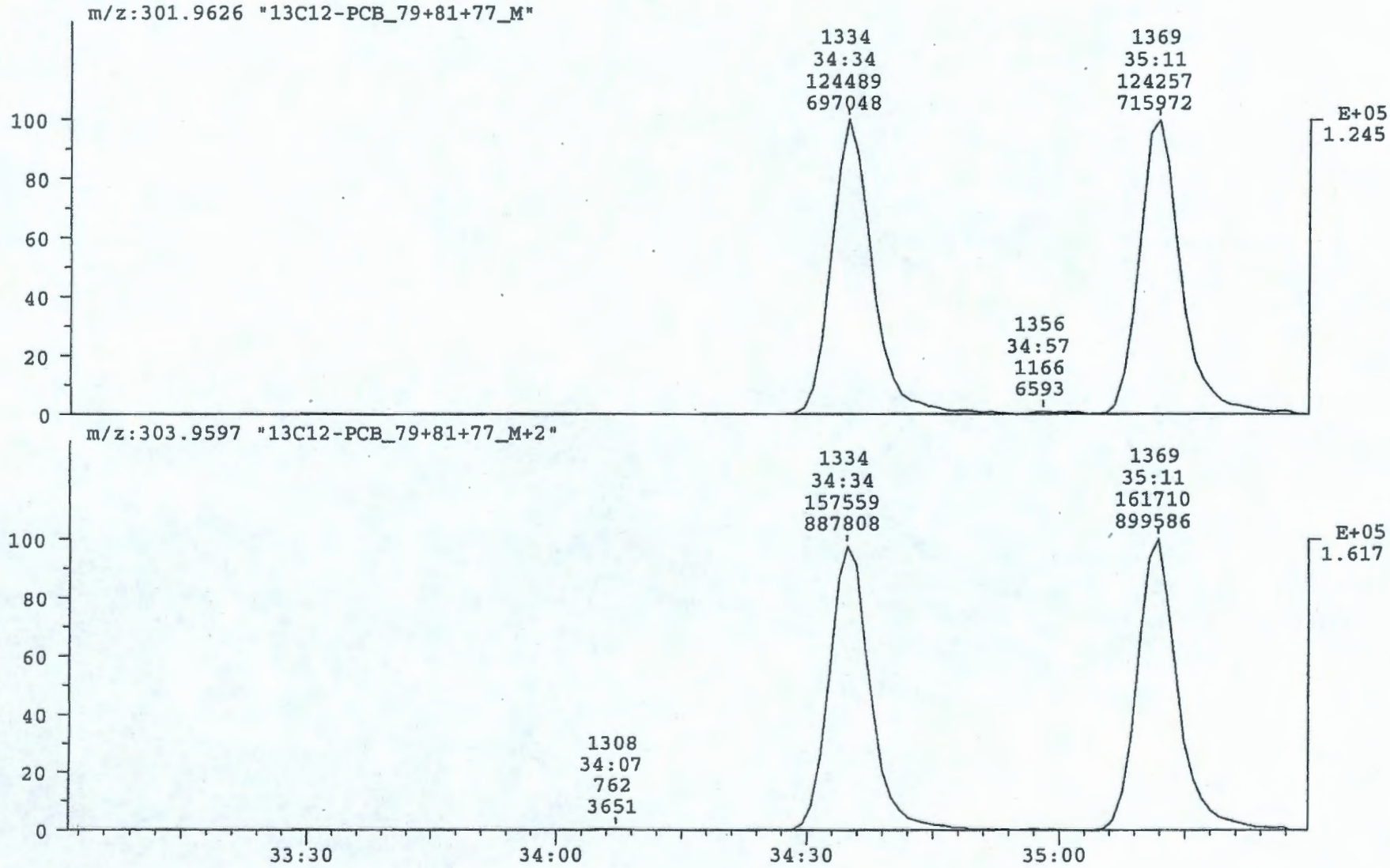
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  27:51.3      952
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45    2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC      Vial  34
Peak:  100.00  ppm      Label wndw:   499 > 1409           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



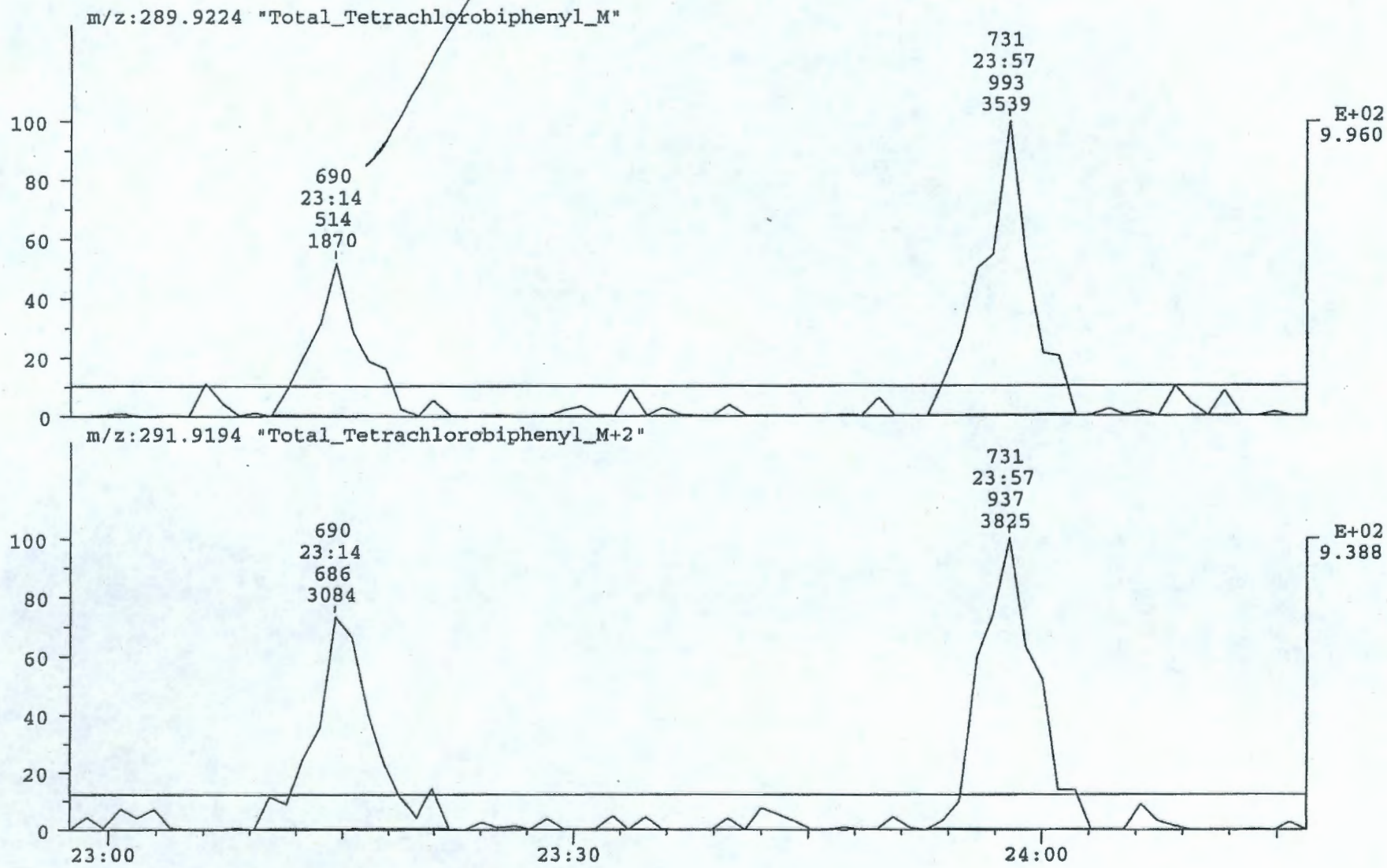
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  23:19.8      695
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45    2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC      Vial  34
Peak:  100.00  ppm      Label wndw:   525 > 865           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



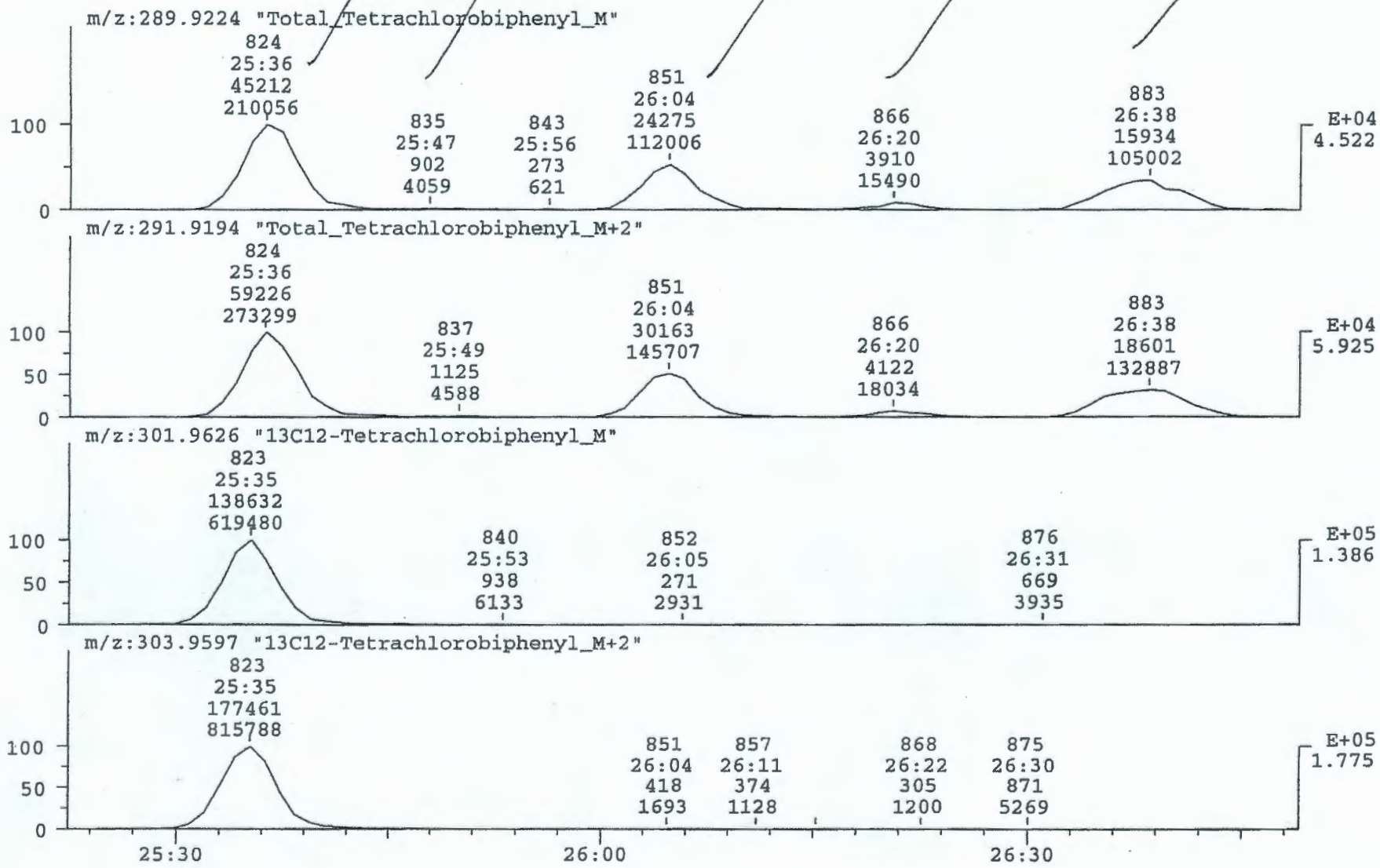
CHRO: apj64jqx 28-Sep-07 Elapse: 34:10 1311
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1246 > 1386 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



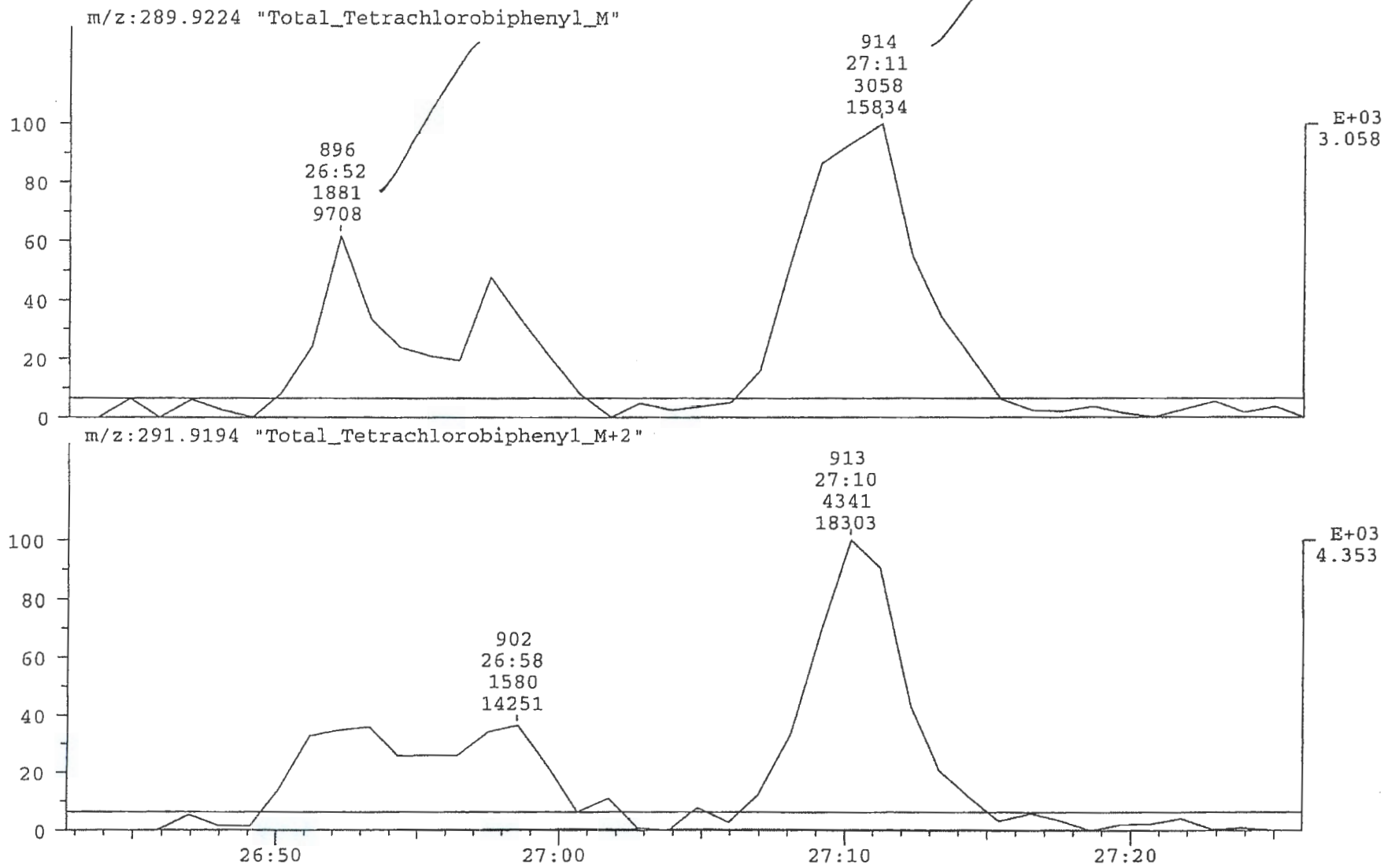
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  41:45      1738
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   674 > 749           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100 / 3            Label :  -3, 3.0
Disp:  Height  Area
```



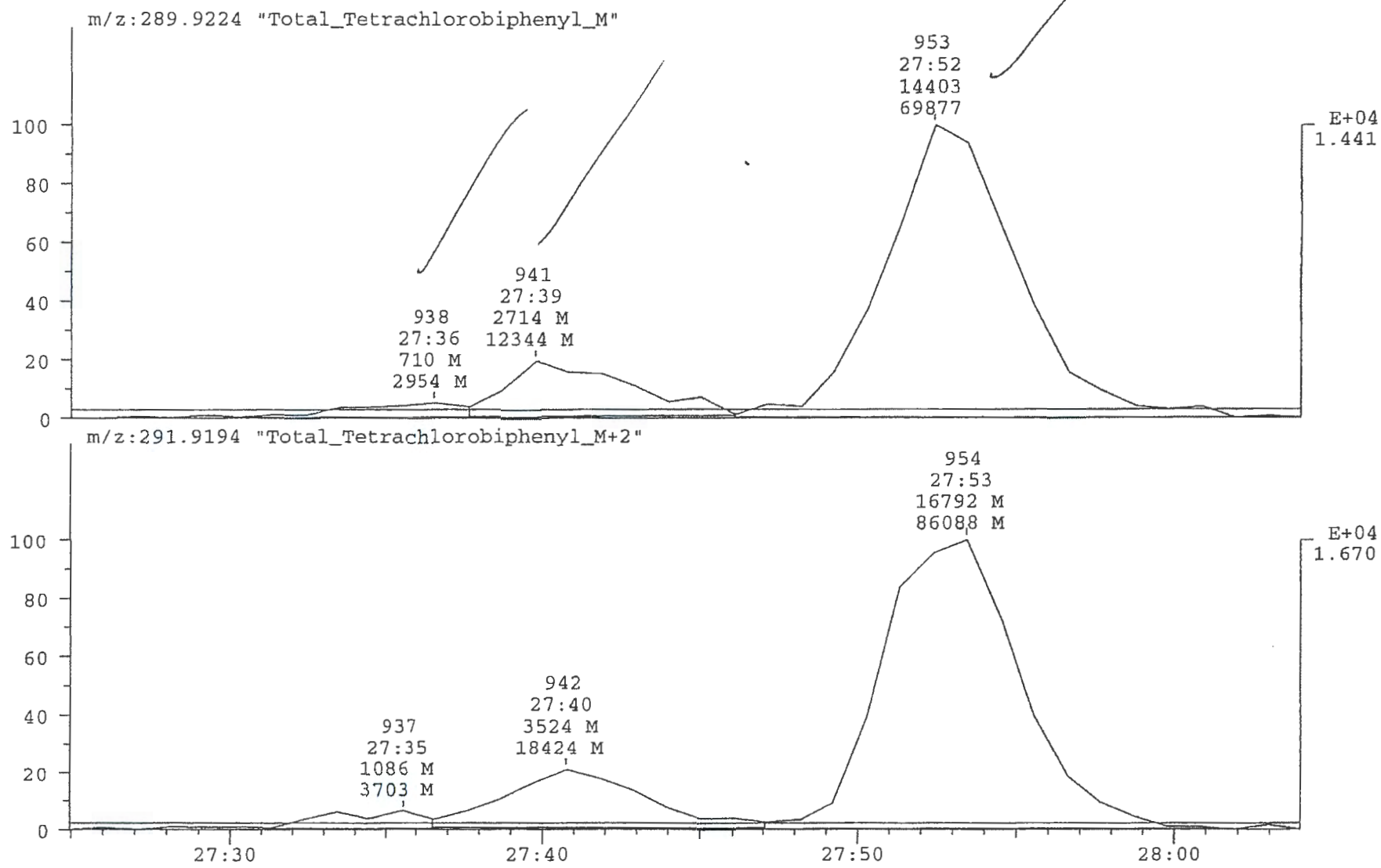
CHRO: apj64jqx 28-Sep-07 Elapse: 41:45 1738
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 811 > 893 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



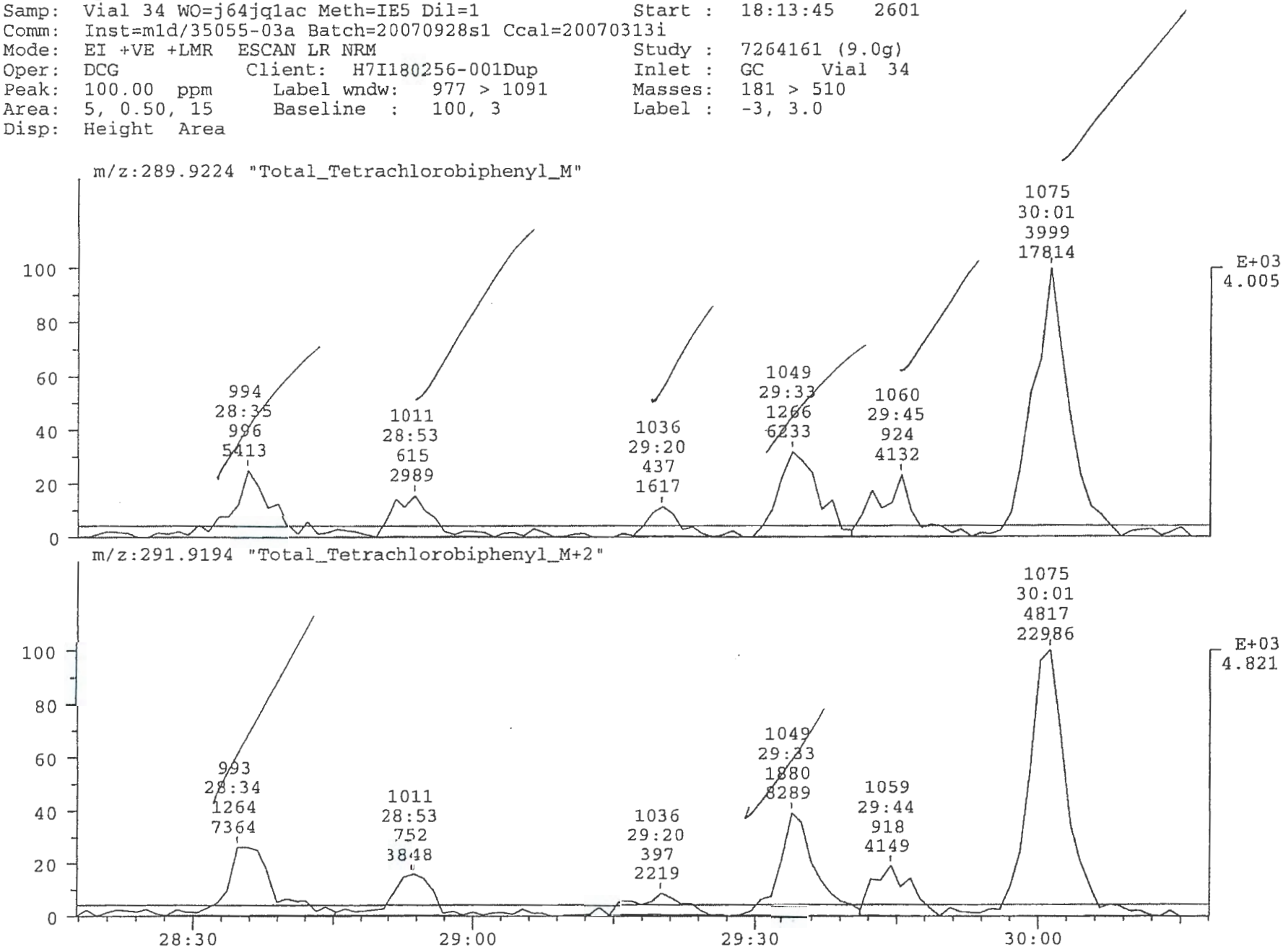
CHRO: apj64jqx 28-Sep-07 Elapse: 41:45 1738
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 887 > 928 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 5 Label : -3, 3.0
Disp: Height Area



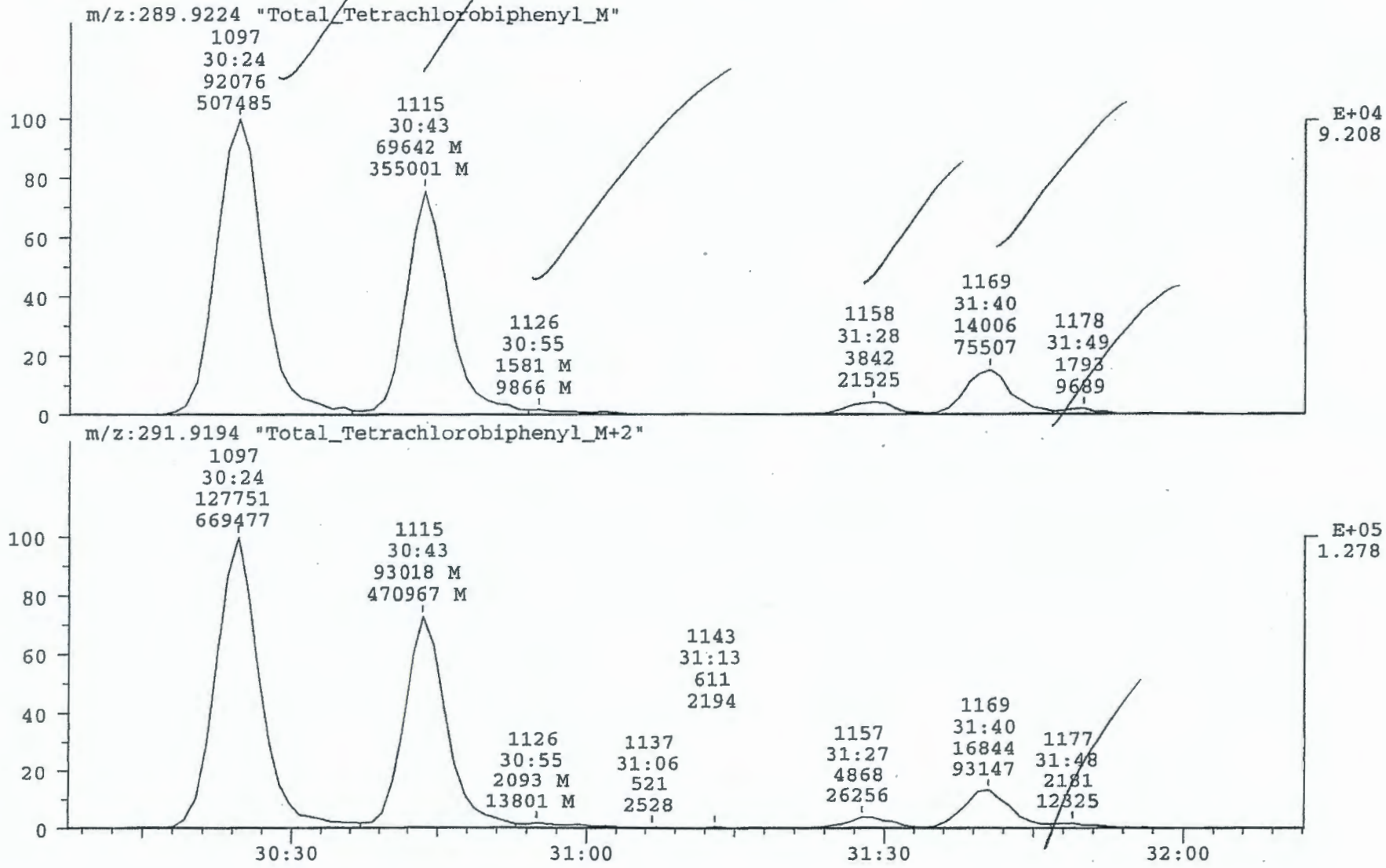
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  41:45      1738
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   927 > 964            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



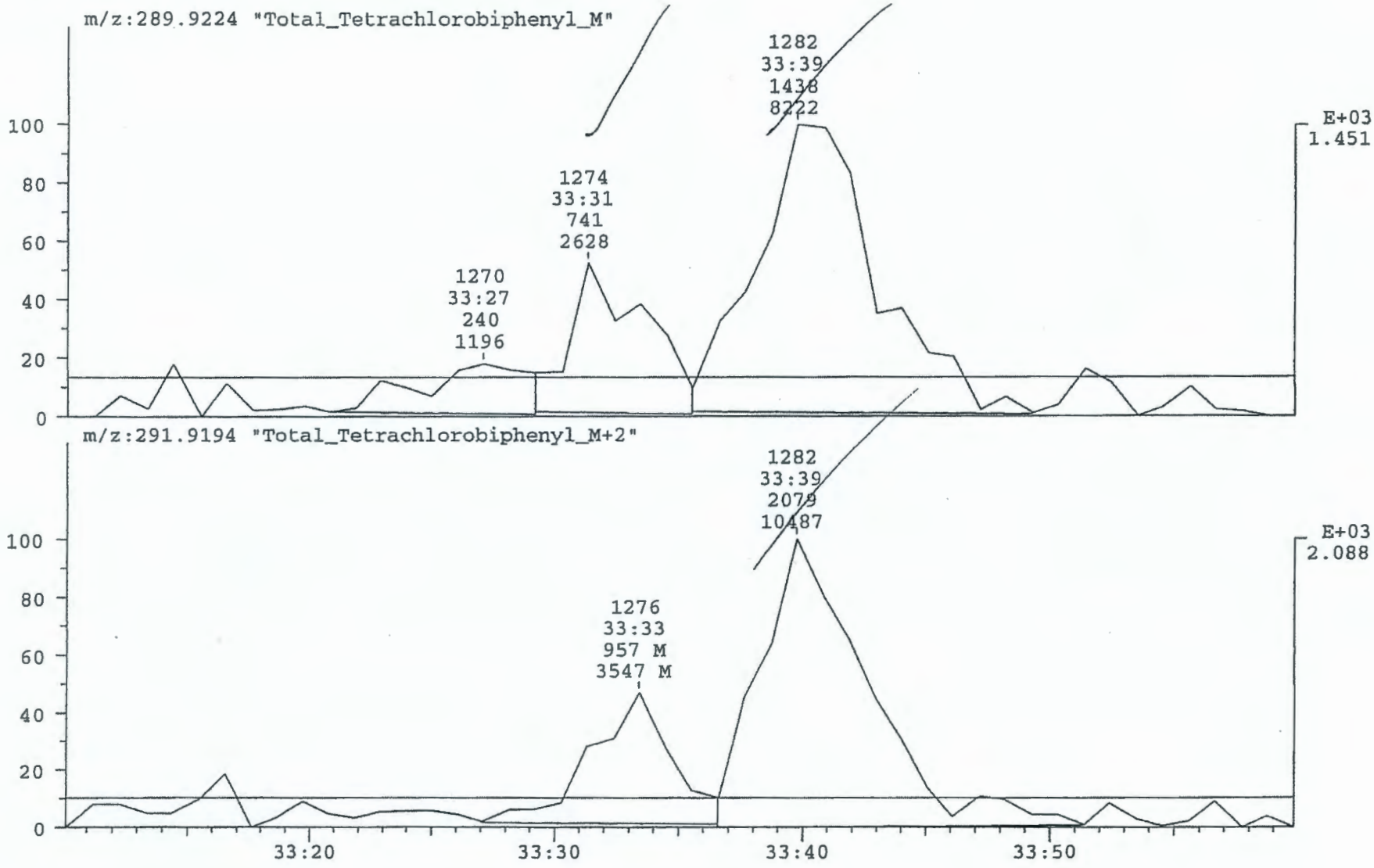
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  41:45      1738
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   977 > 1091           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



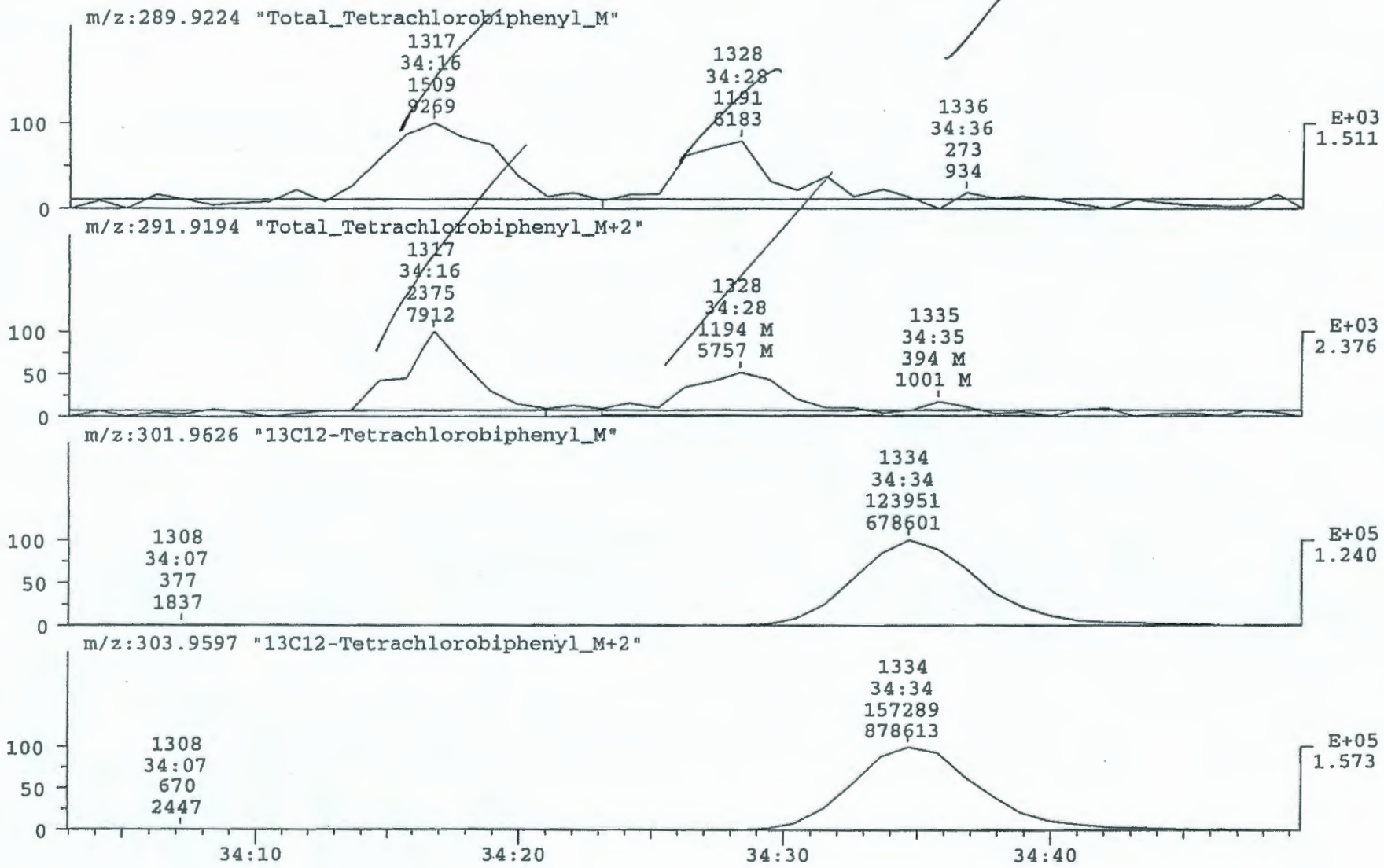
CHRO: apj64jqx 28-Sep-07 Elapse: 41:45 1738
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1081 > 1199 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  41:45      1738
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1254 > 1301         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



CHRO: apj64jqx 28-Sep-07 Elapse: 41:45 1738
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1304 > 1348 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



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CHRO:  apj64jqx                                28-Sep-07  Elapse:  41:45      1738
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1353 > 1387         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```
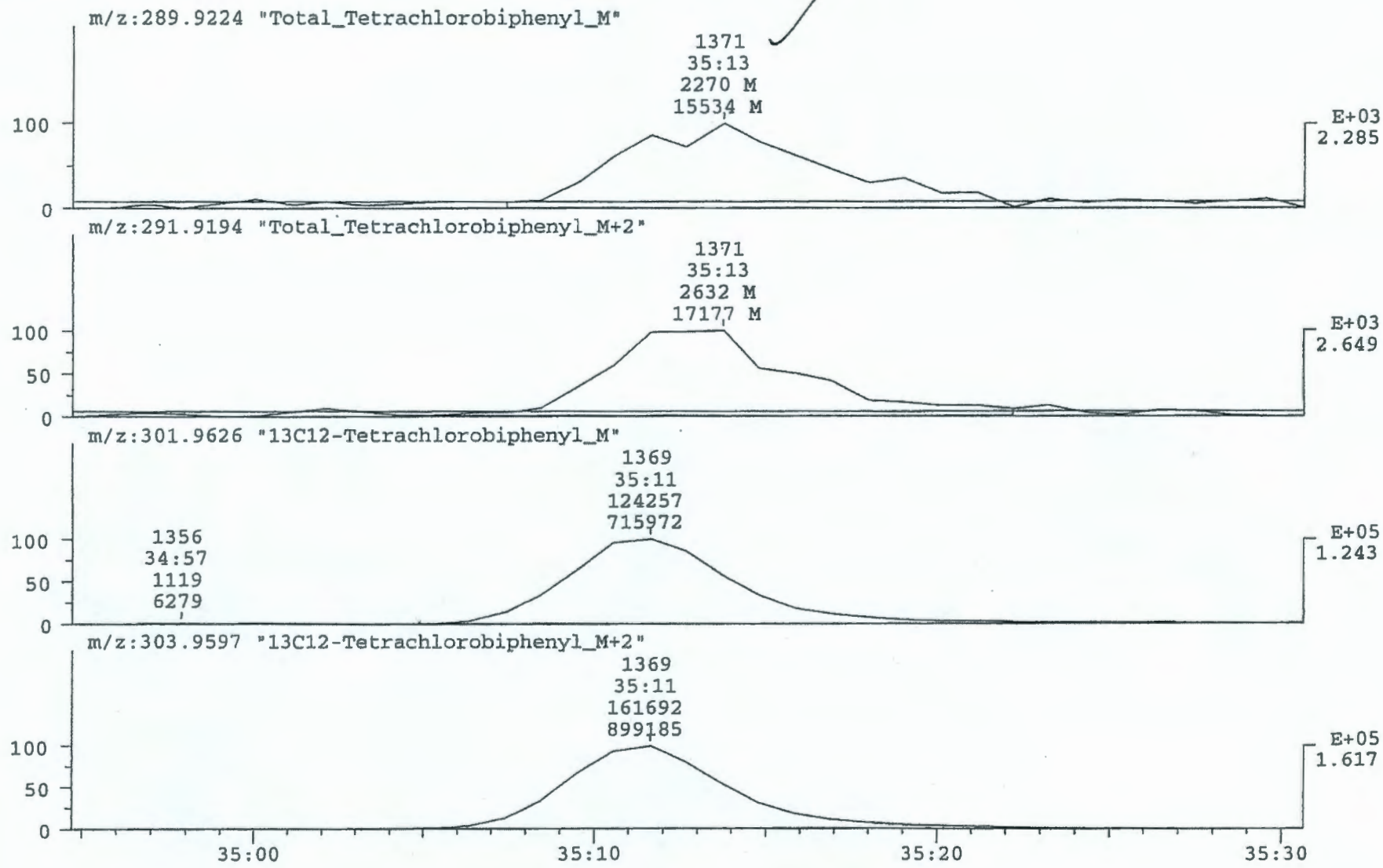
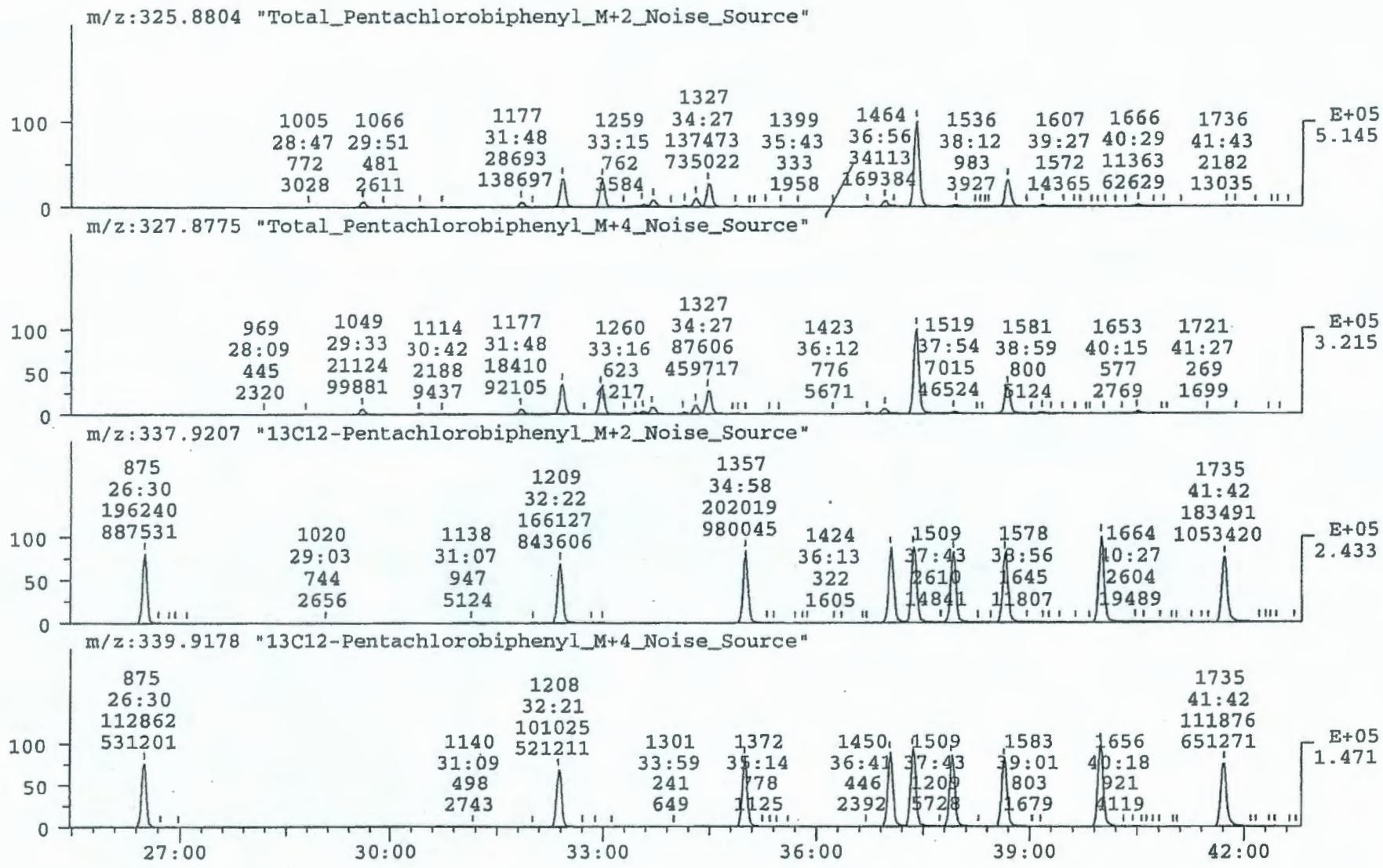
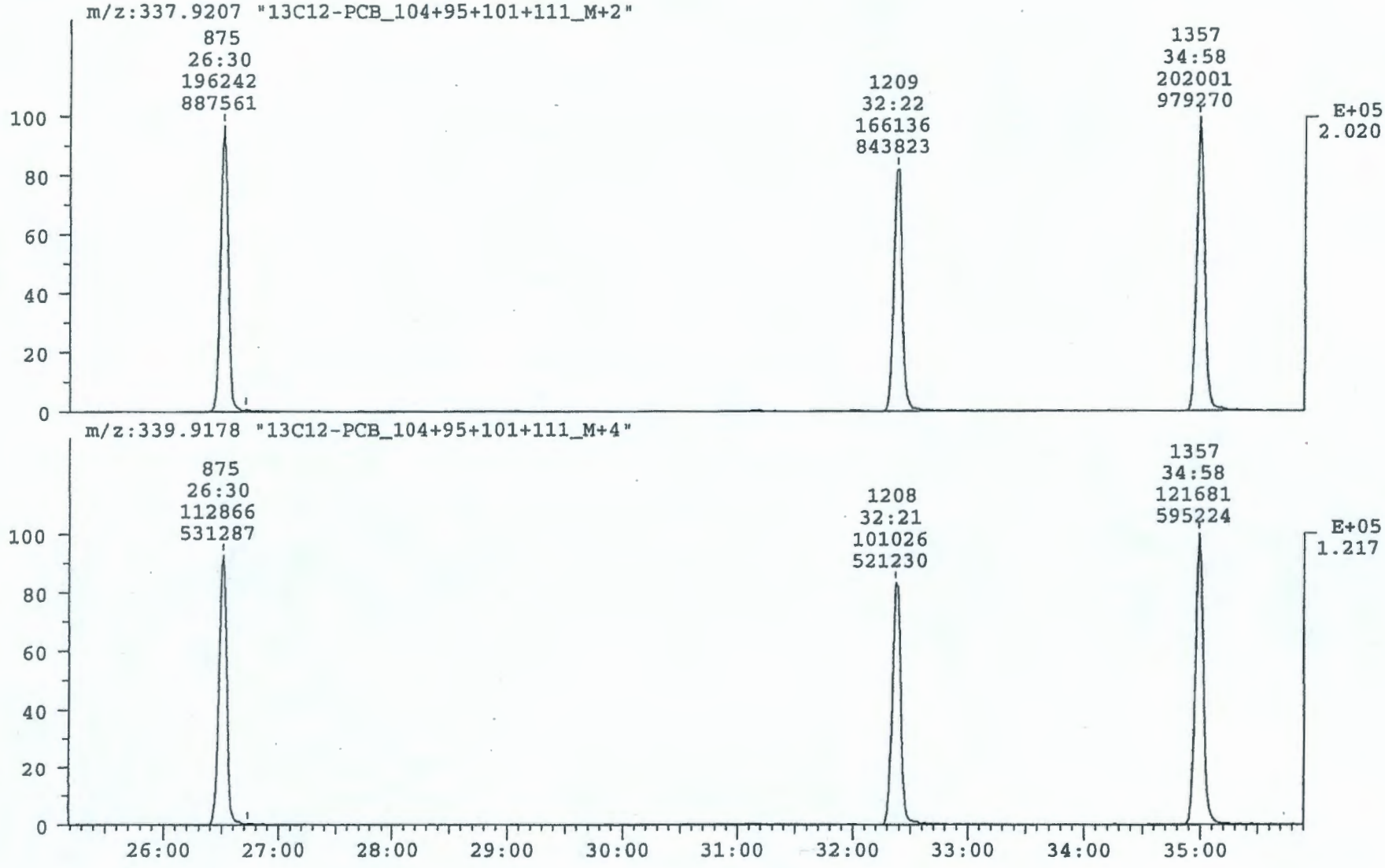



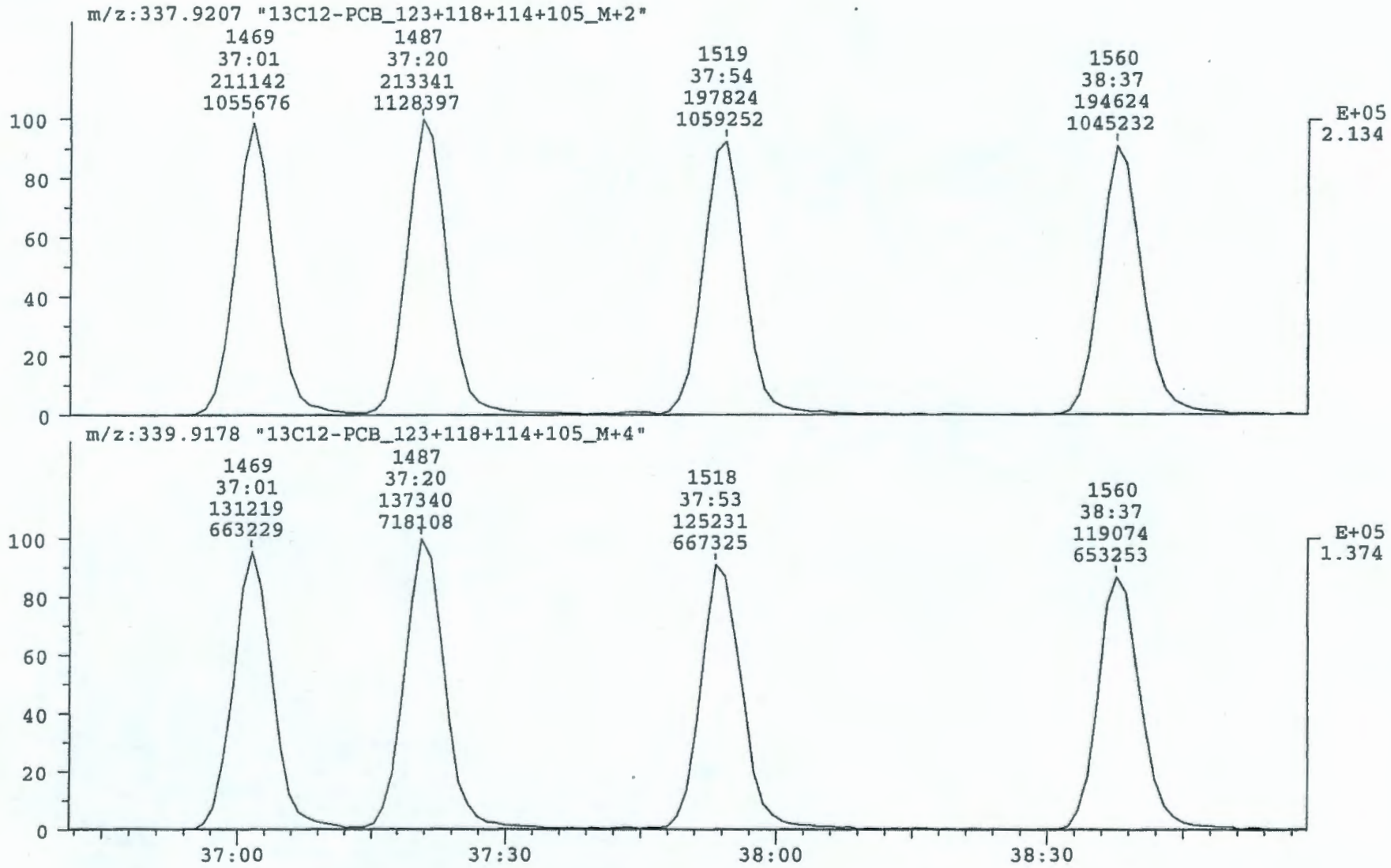
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  34:08      1309
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   816 > 1797          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



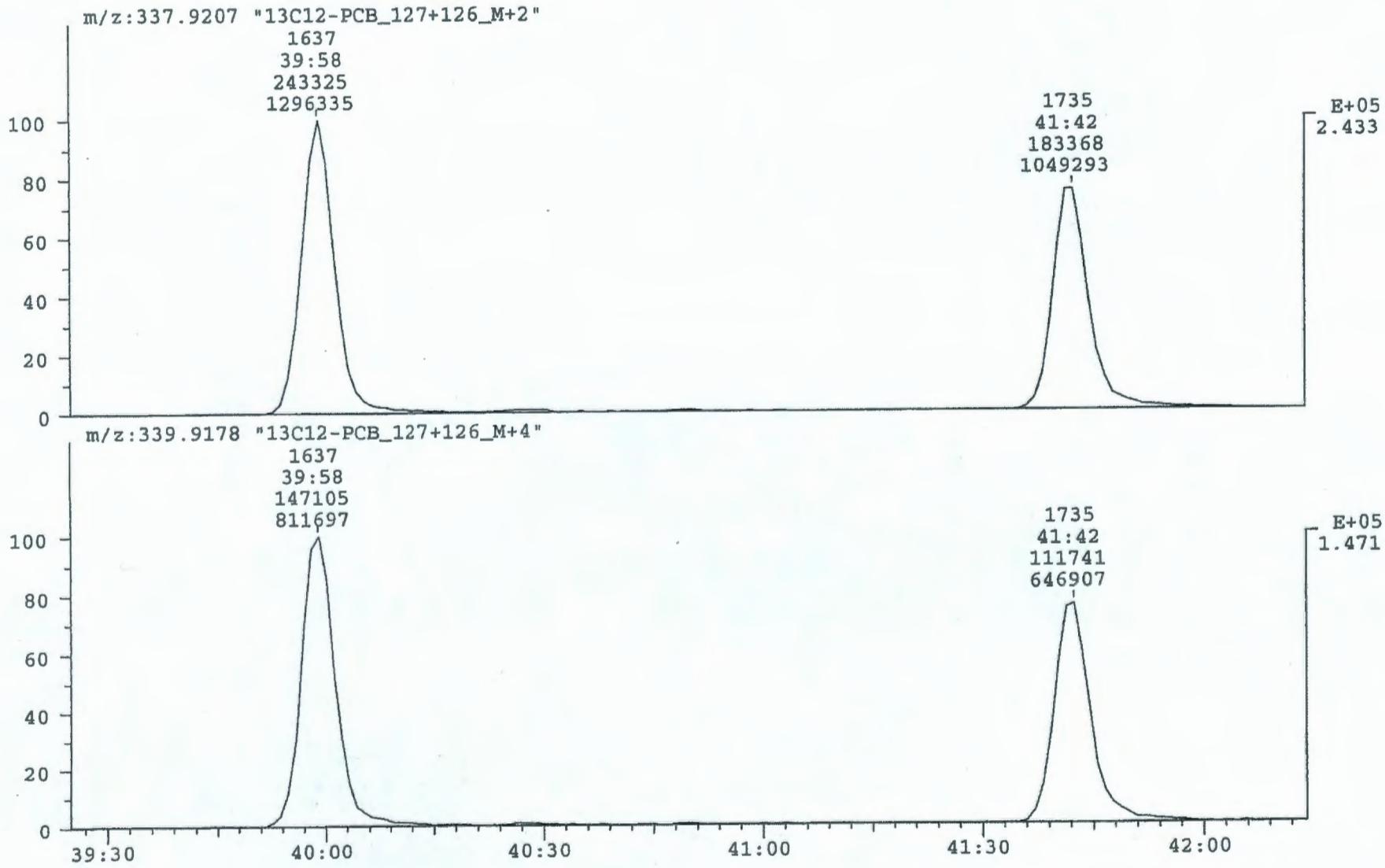
CHRO: apj64jqx 28-Sep-07 Elapse: 30:31 1104
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 800 > 1409 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



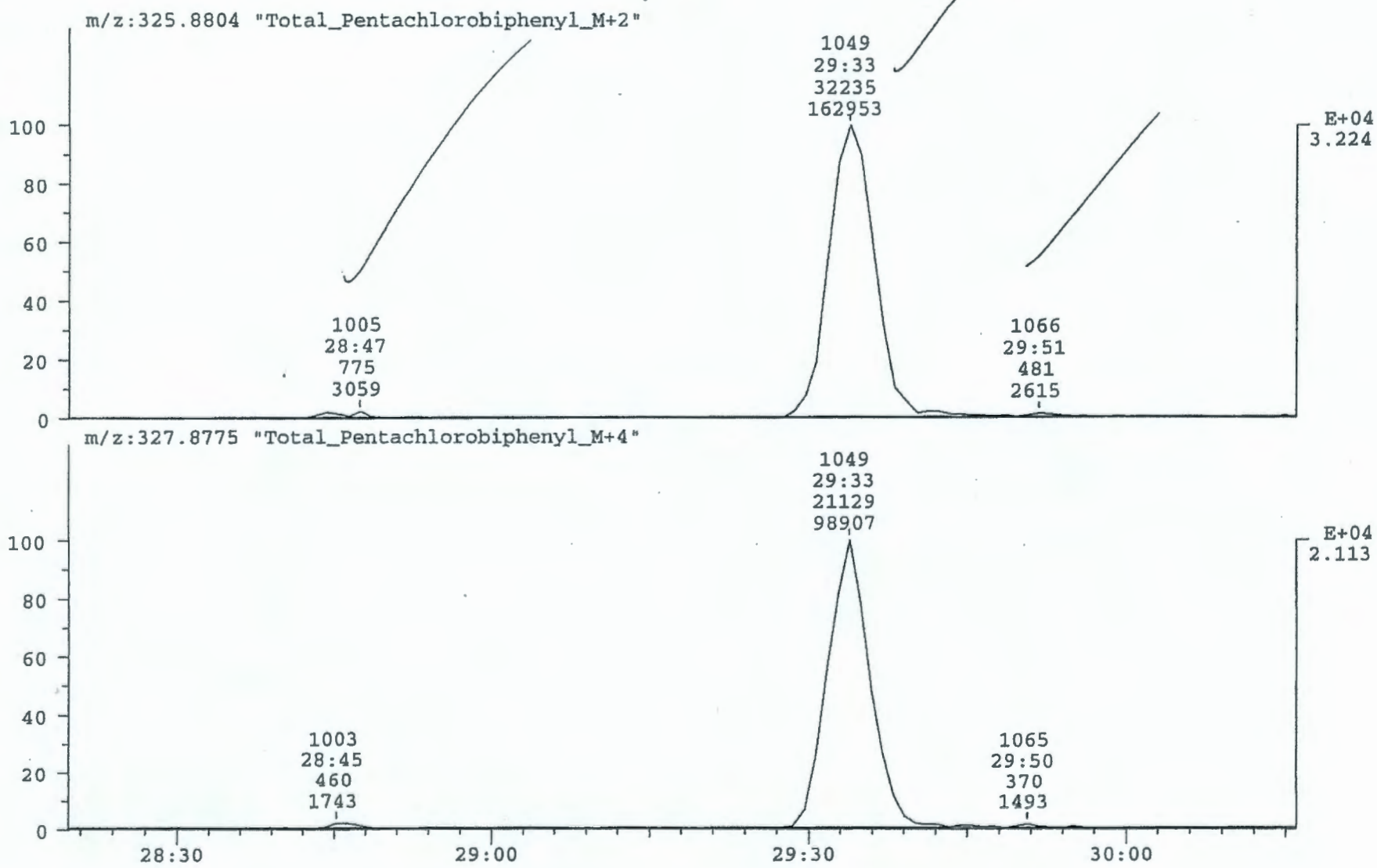
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  37:50      1515
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1450 > 1580         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



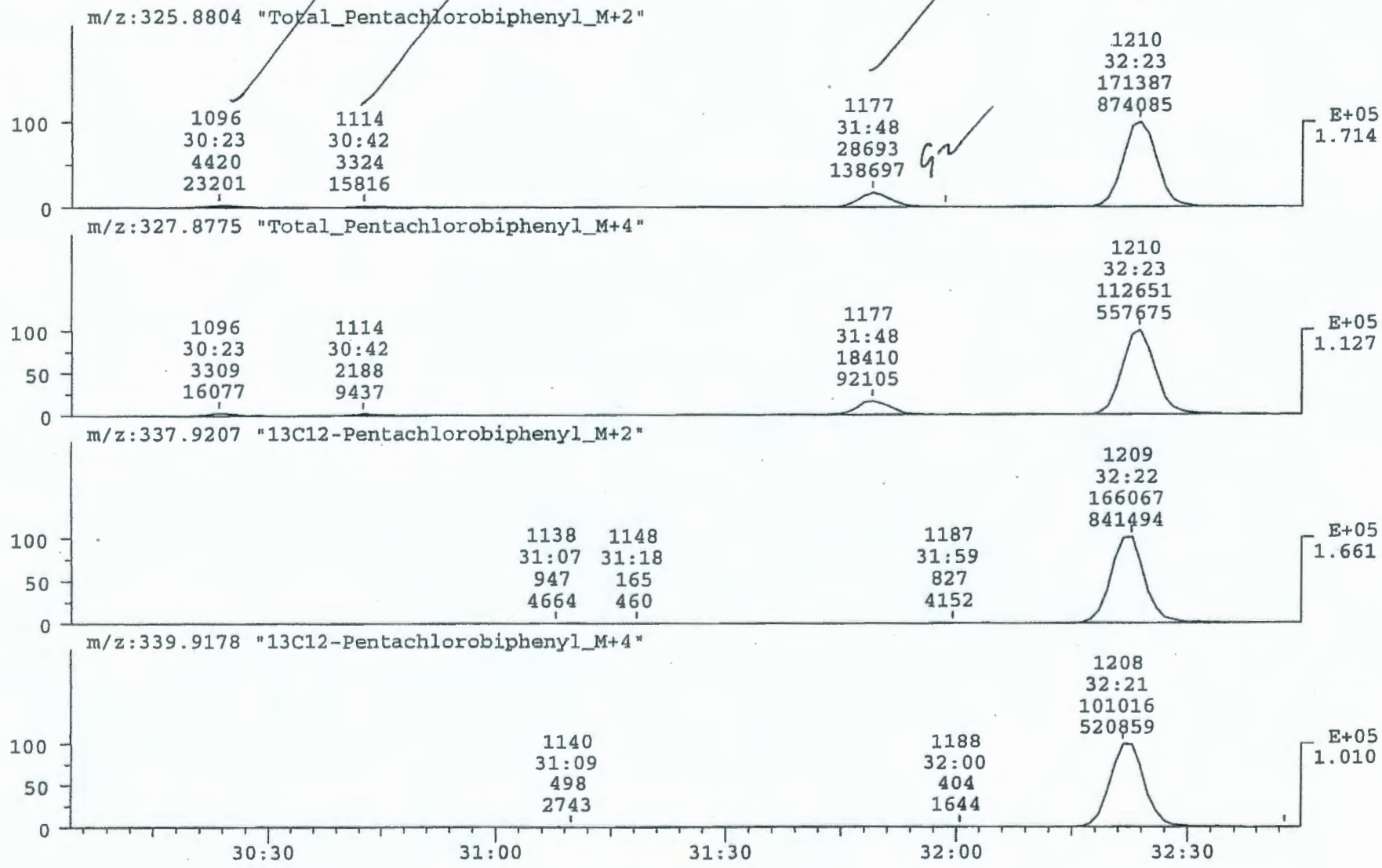
CHRO: apj64jqx 28-Sep-07 Elapse: 40:49 1685
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1605 > 1765 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  41:45      1738
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=mld/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial 34
Peak:  100.00  ppm      Label wndw:   979 > 1089          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



CHRO: apj64jqx 28-Sep-07 Elapse: 41:45 1738
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1078 > 1230 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



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CHRO:  apj64jqx                                28-Sep-07  Elapse:  41:45      1738
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1219 > 1304         Masses:  181 > 510
Area:  5, 0.00, 0       Baseline  :   100, 7               Label :  -3, 3.0
Disp:  Height  Area
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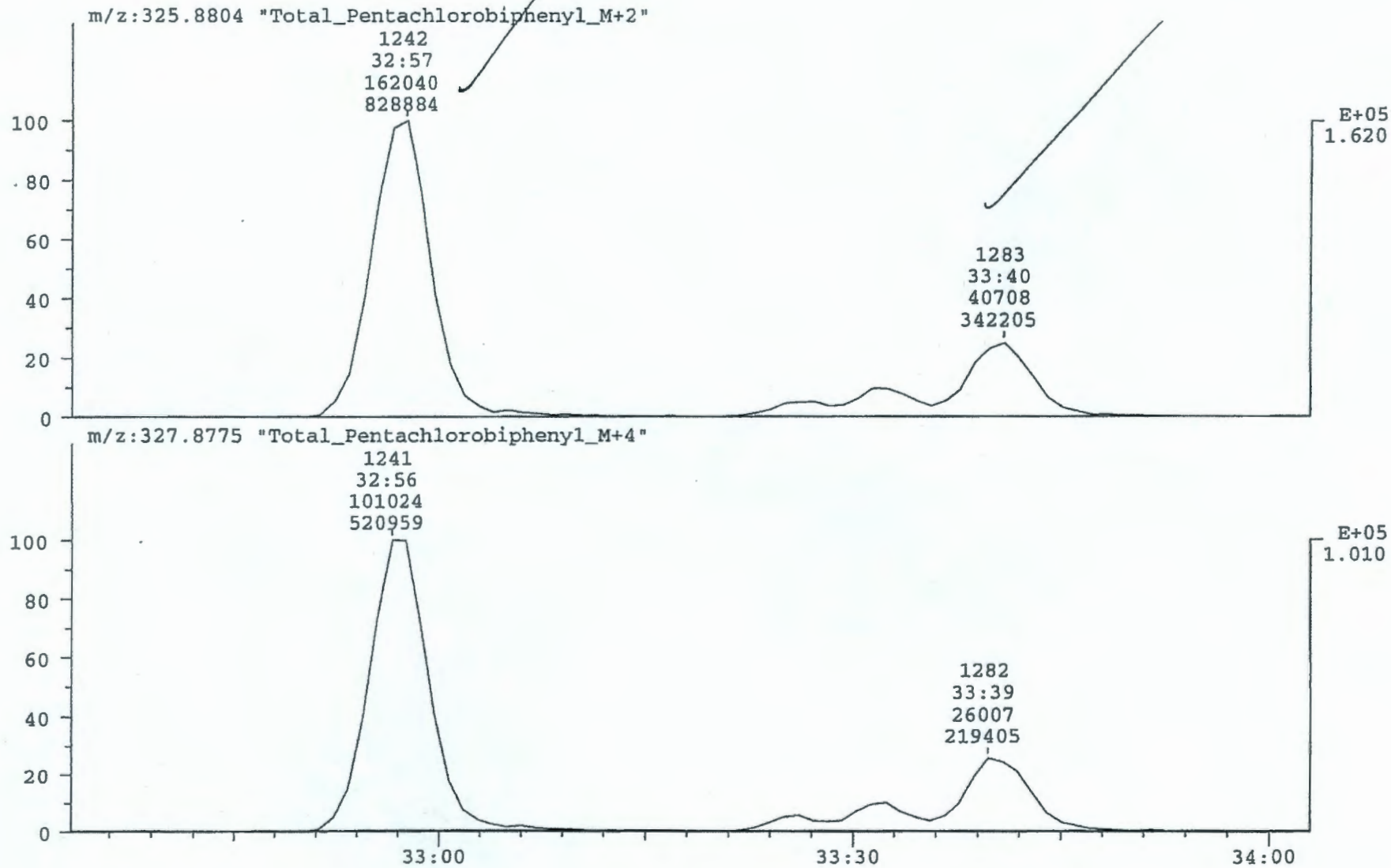

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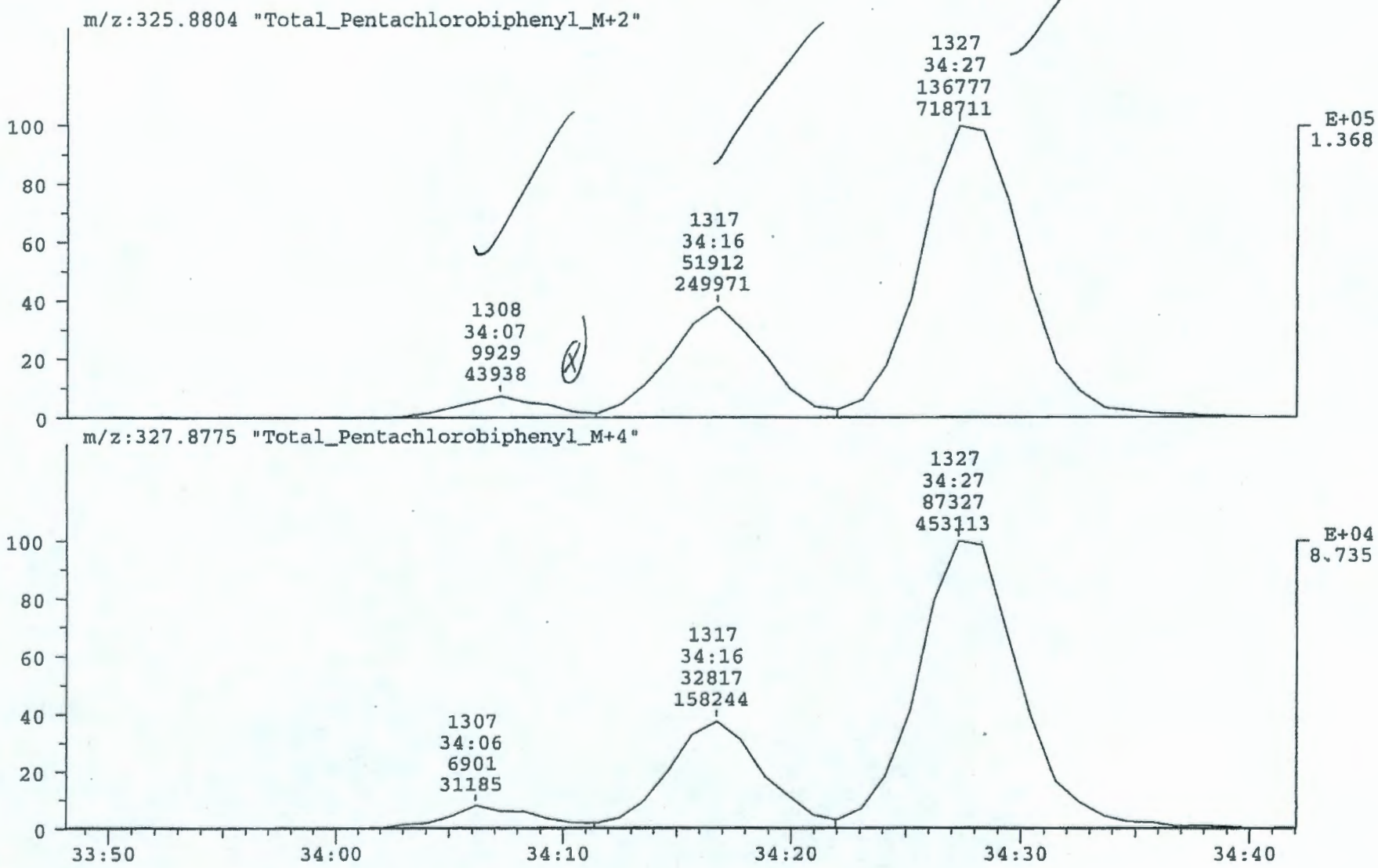
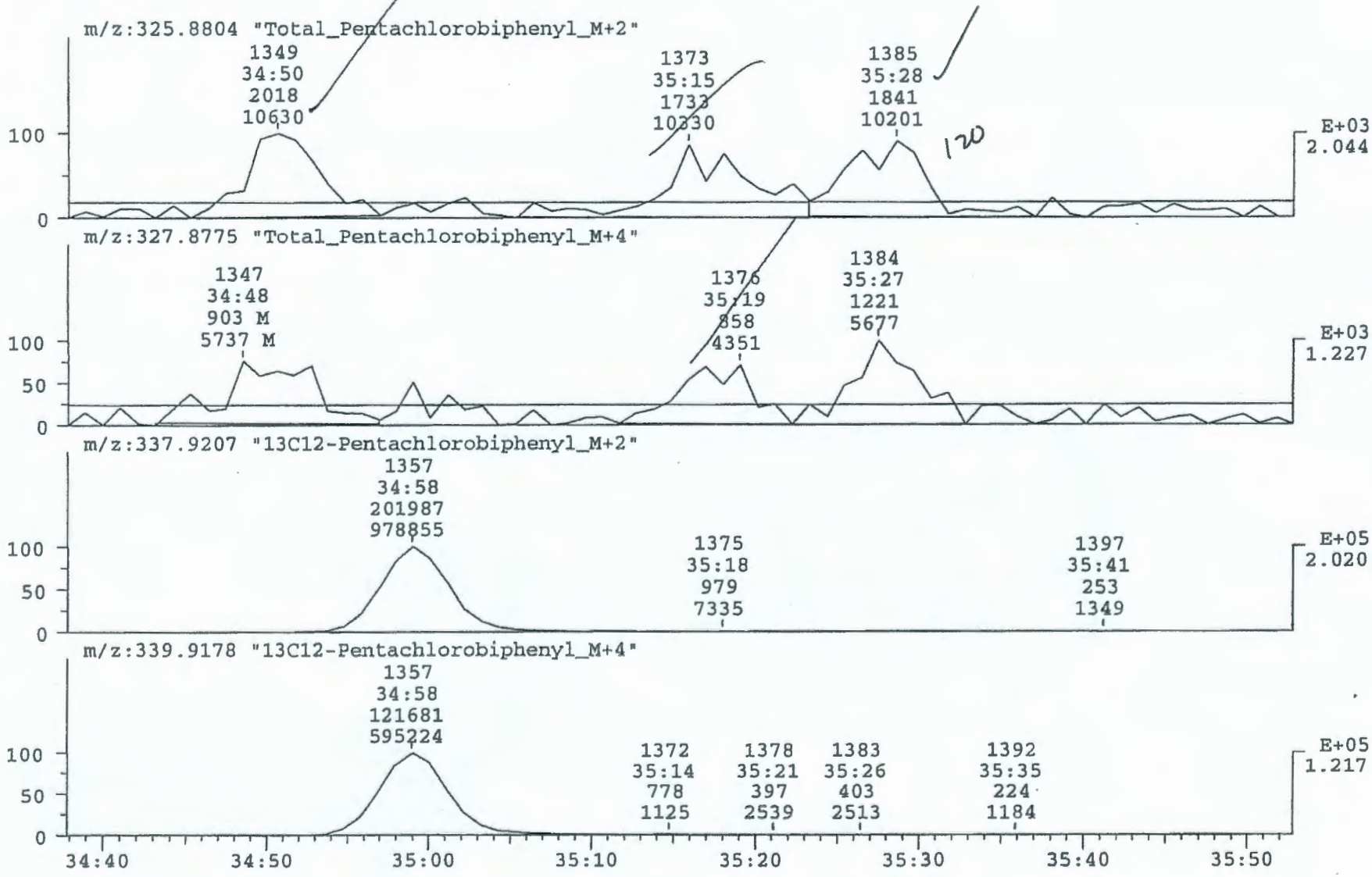
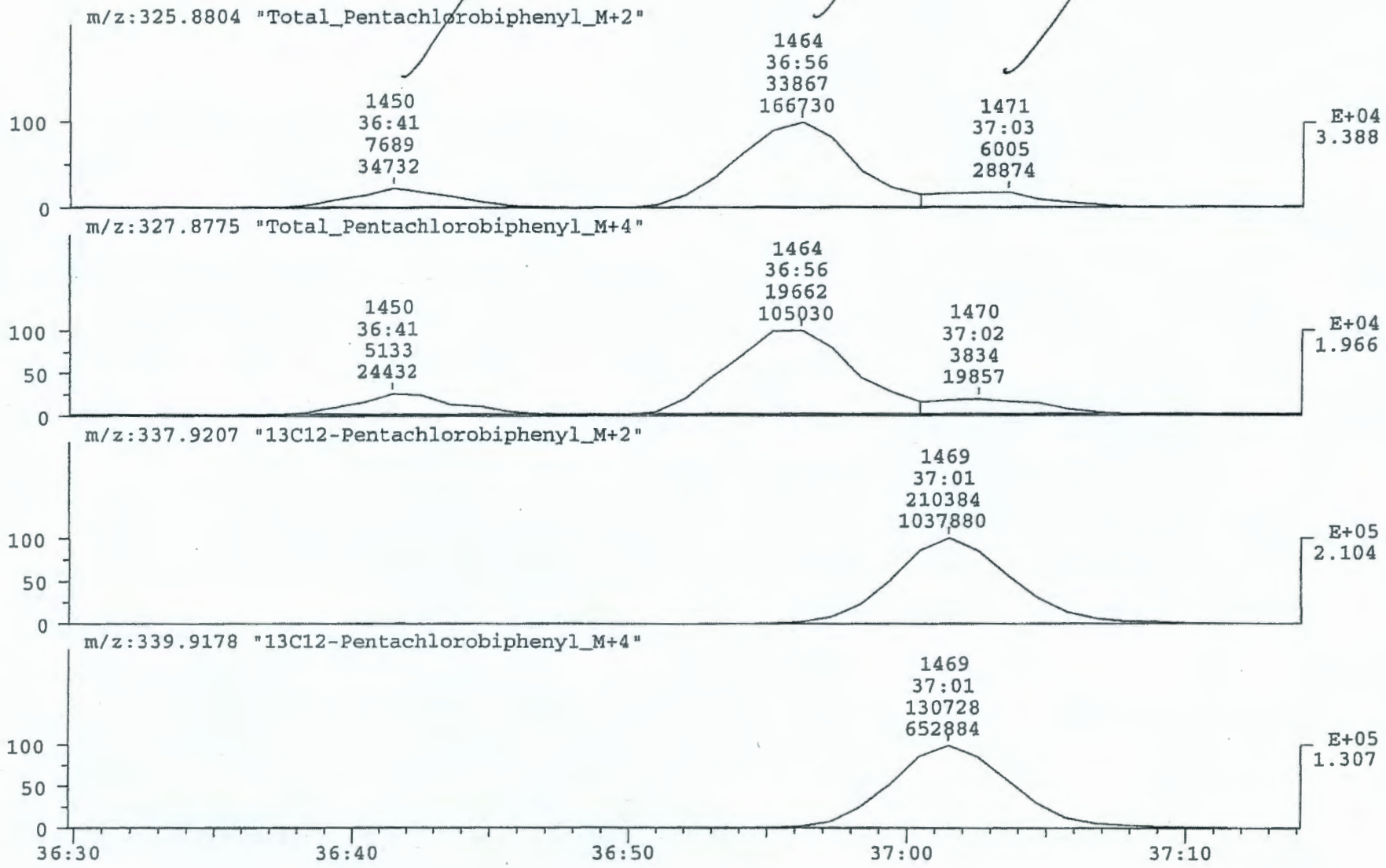
CHRO:  apj64jqx                                28-Sep-07  Elapse:  41:45      1738
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial 34
Peak:  100.00  ppm      Label wndw:   1290 > 1341         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



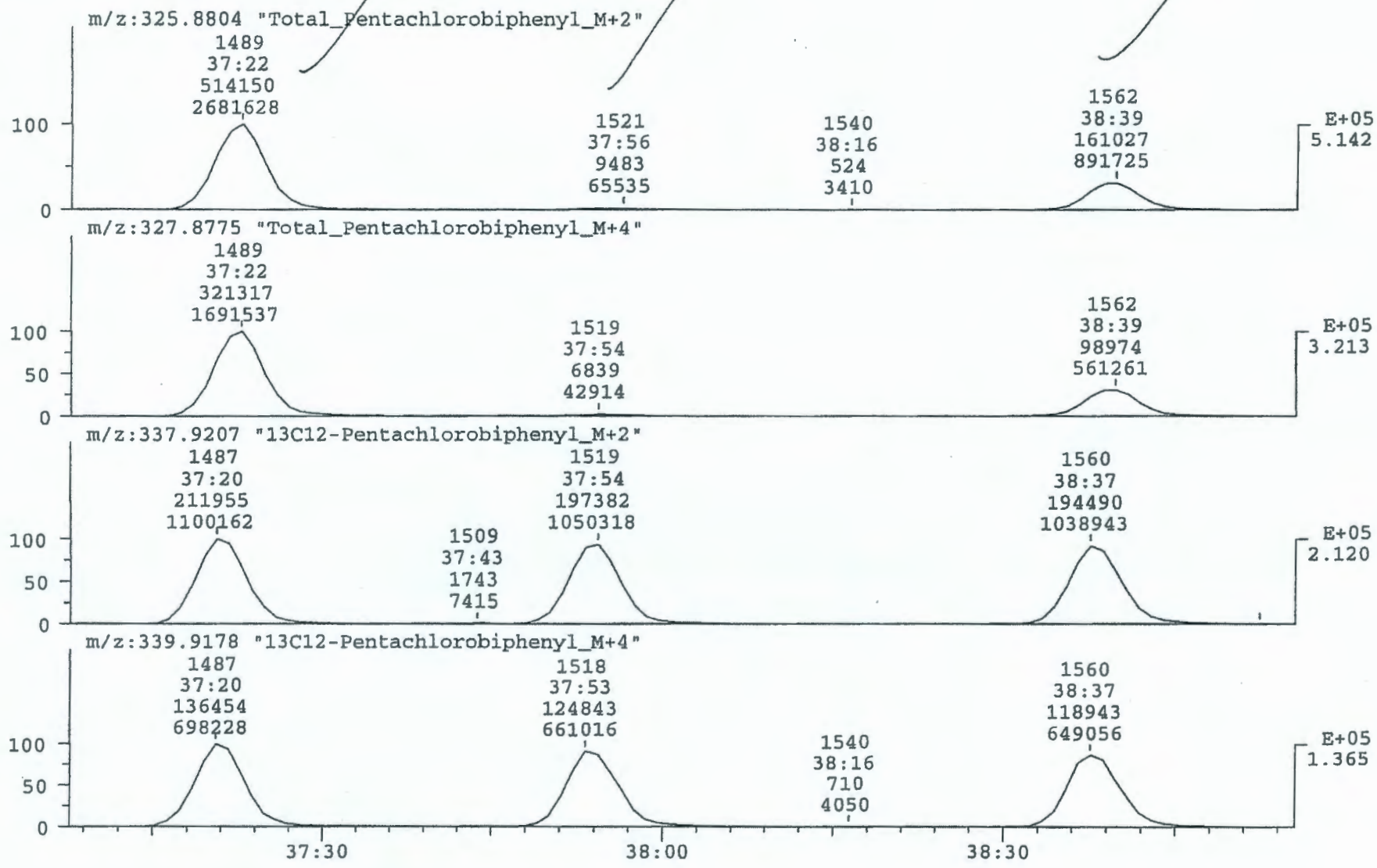
CHRO: apj64jqx 28-Sep-07 Elapse: 41:45 1738
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1337 > 1408 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 4 Label : -3, 3.0
Disp: Height Area



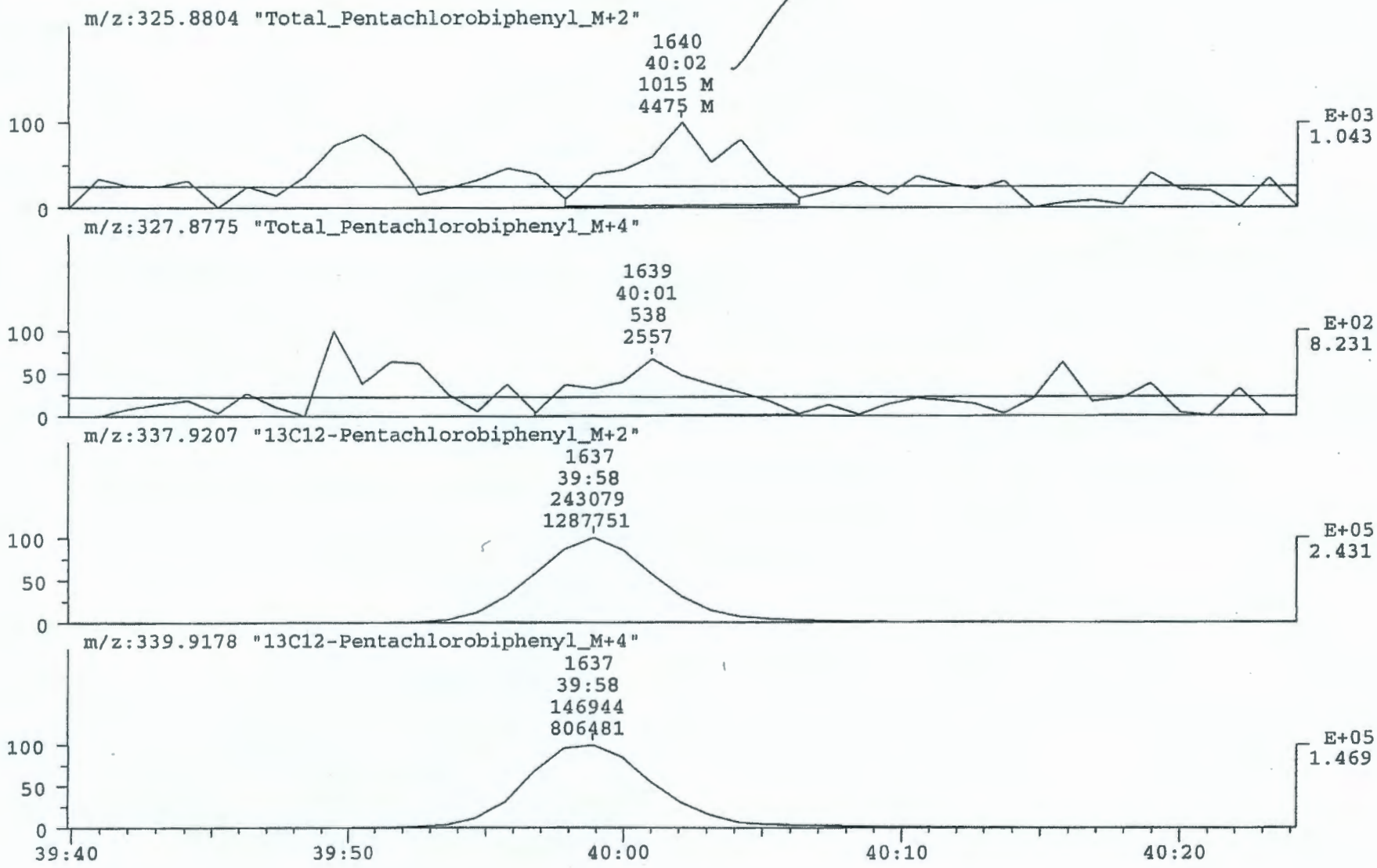
CHRO: apj64jqx 28-Sep-07 Elapse: 41:45 1738
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1439 > 1481 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 2 Label : -3, 3.0
Disp: Height Area



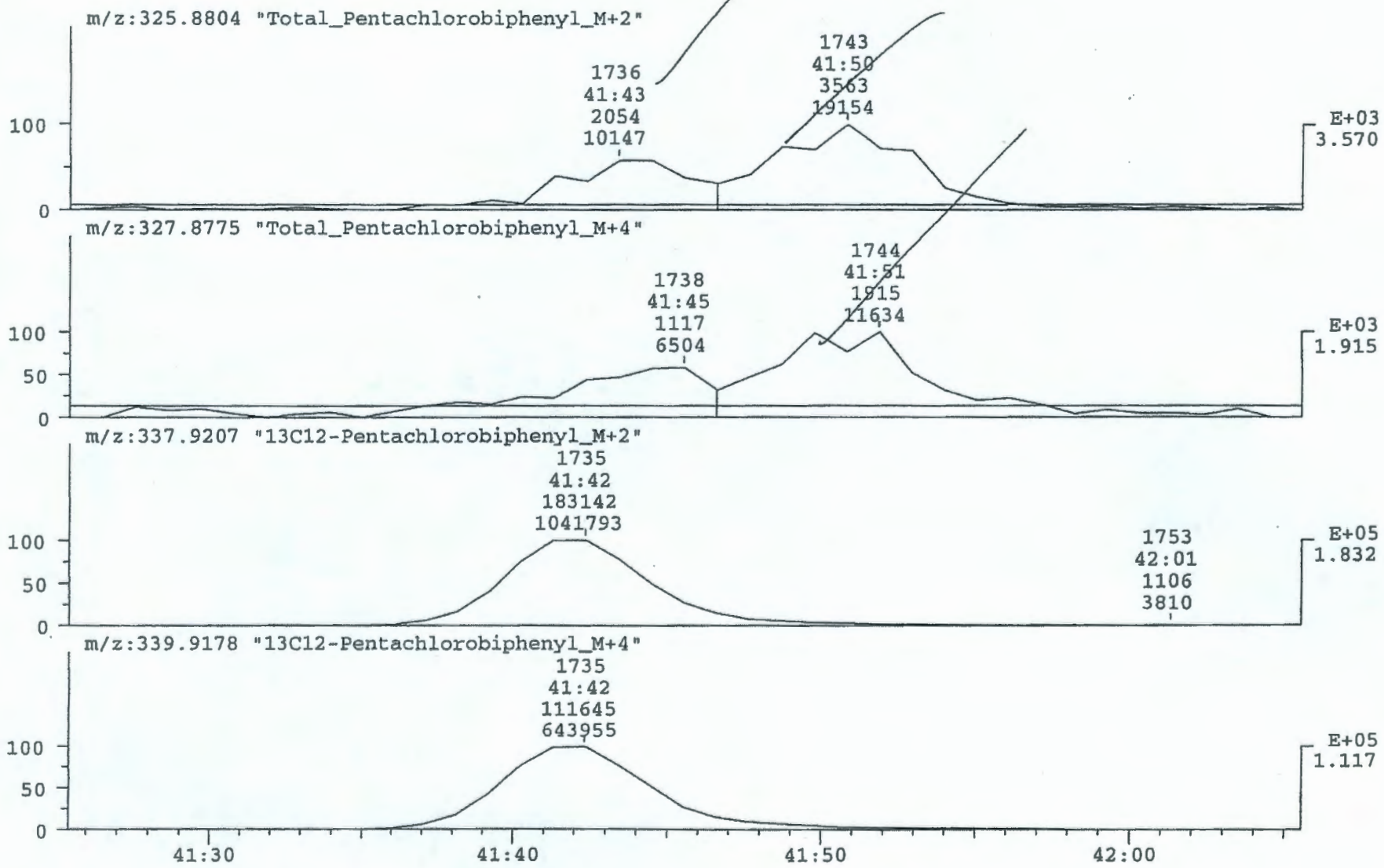
CHRO: apj64jqx 28-Sep-07 Elapse: 41:45 1738
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1475 > 1577 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



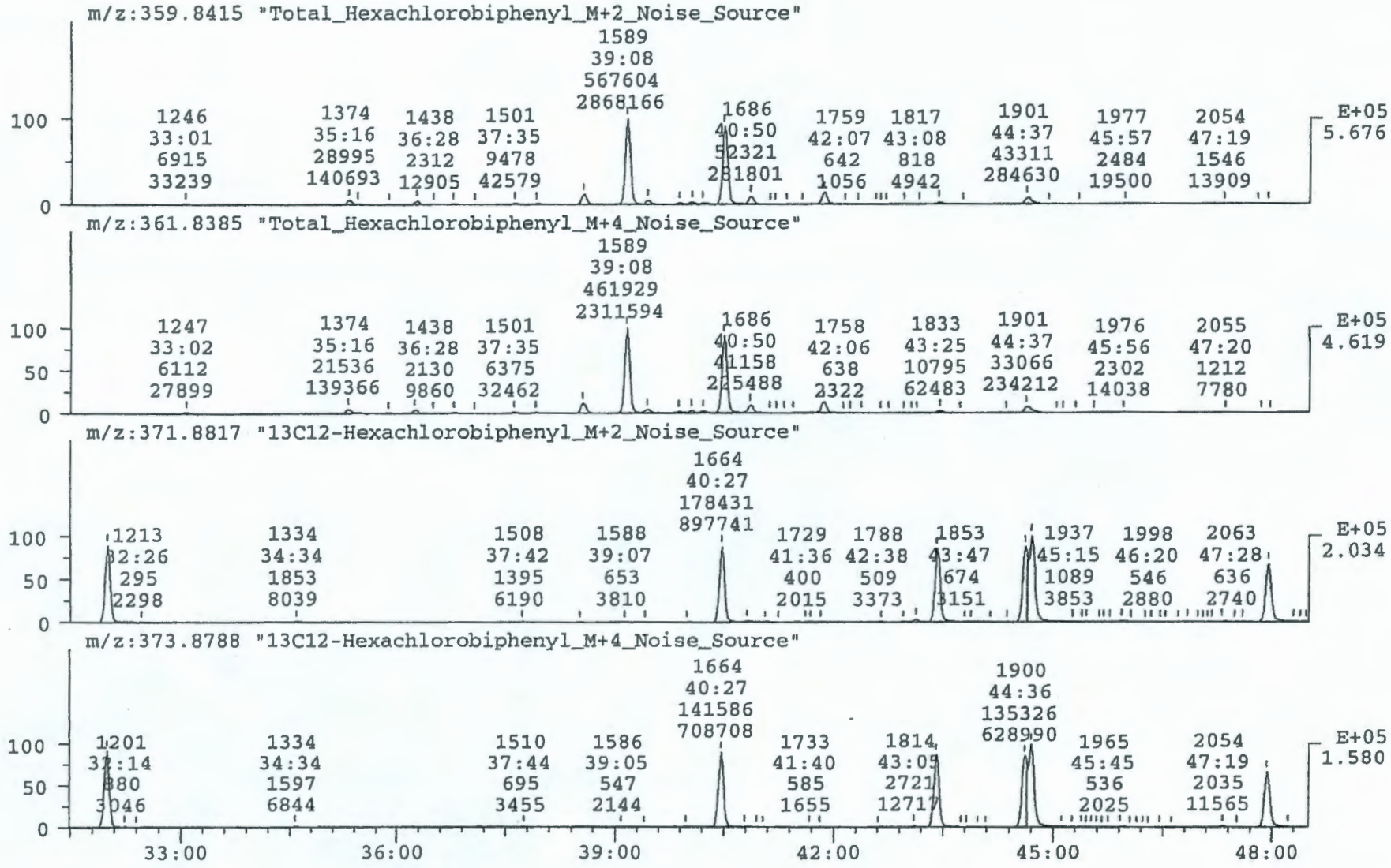
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  40:01      1639
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1636 > 1642         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



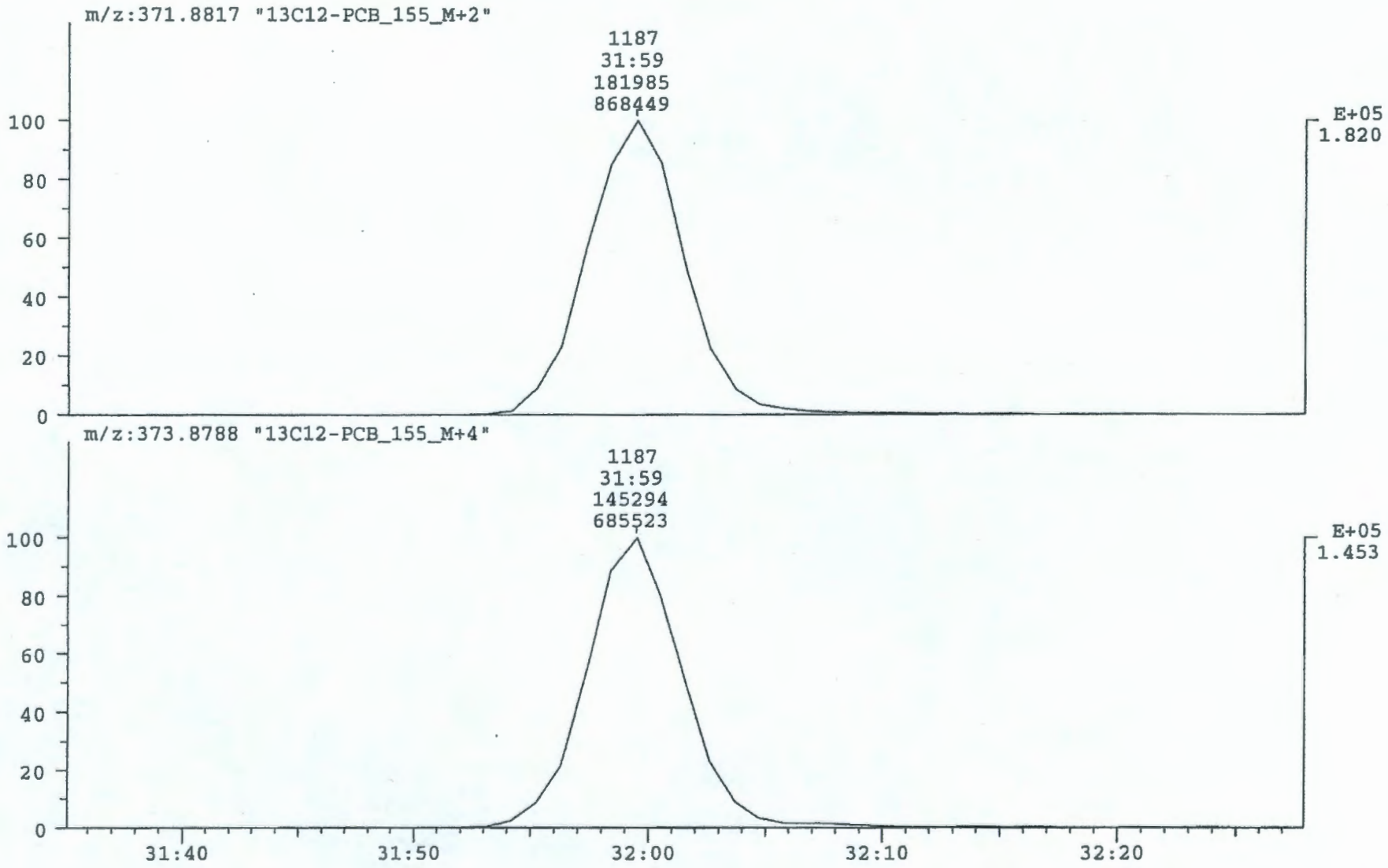
CHRO: apj64jqx 28-Sep-07 Elapse: 40:01 1639
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1719 > 1757 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 2 Label : -3, 3.0
Disp: Height Area



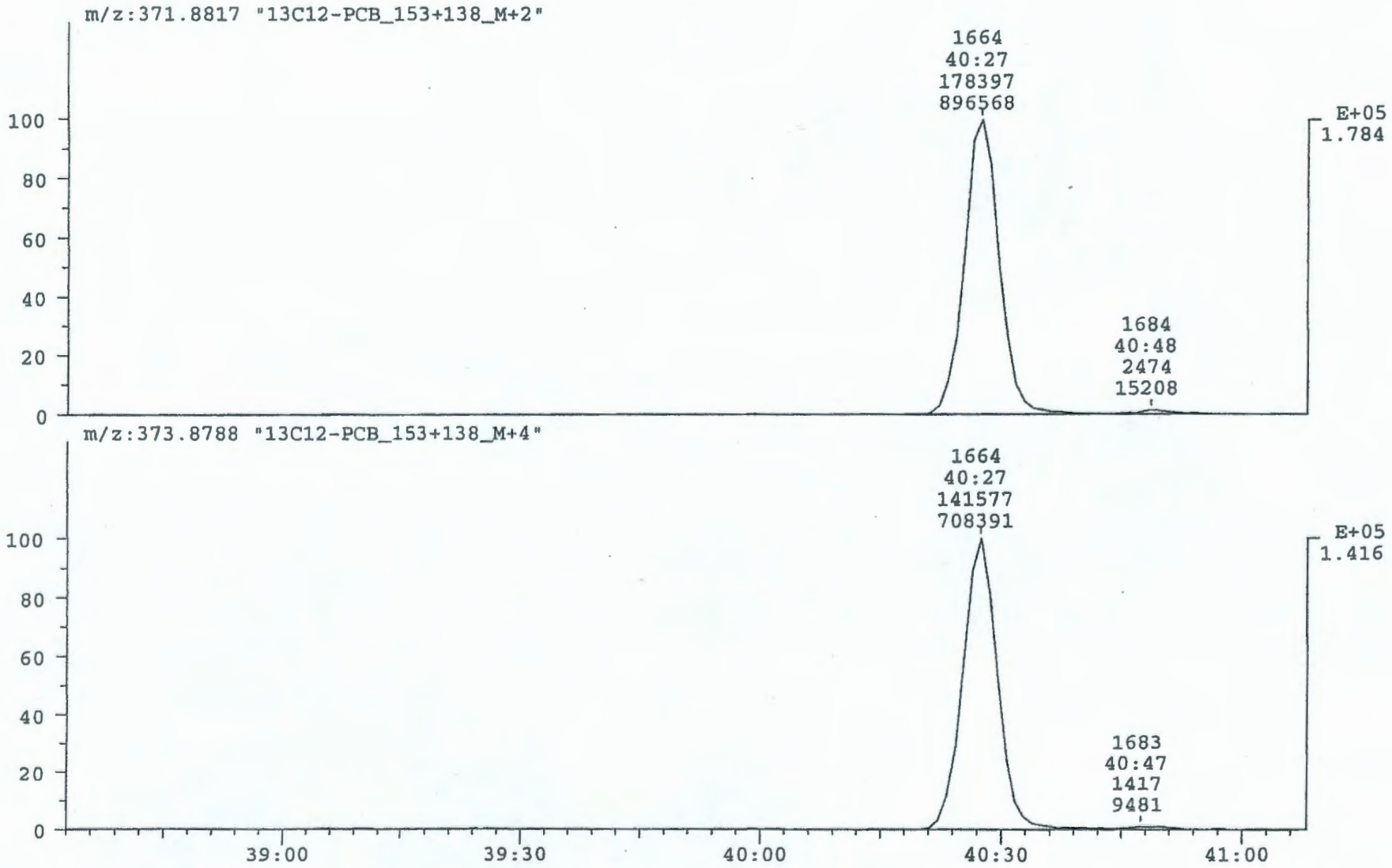
CHRO: apj64jqx 28-Sep-07 Elapse: 39:58 1637
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1158 > 2121 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



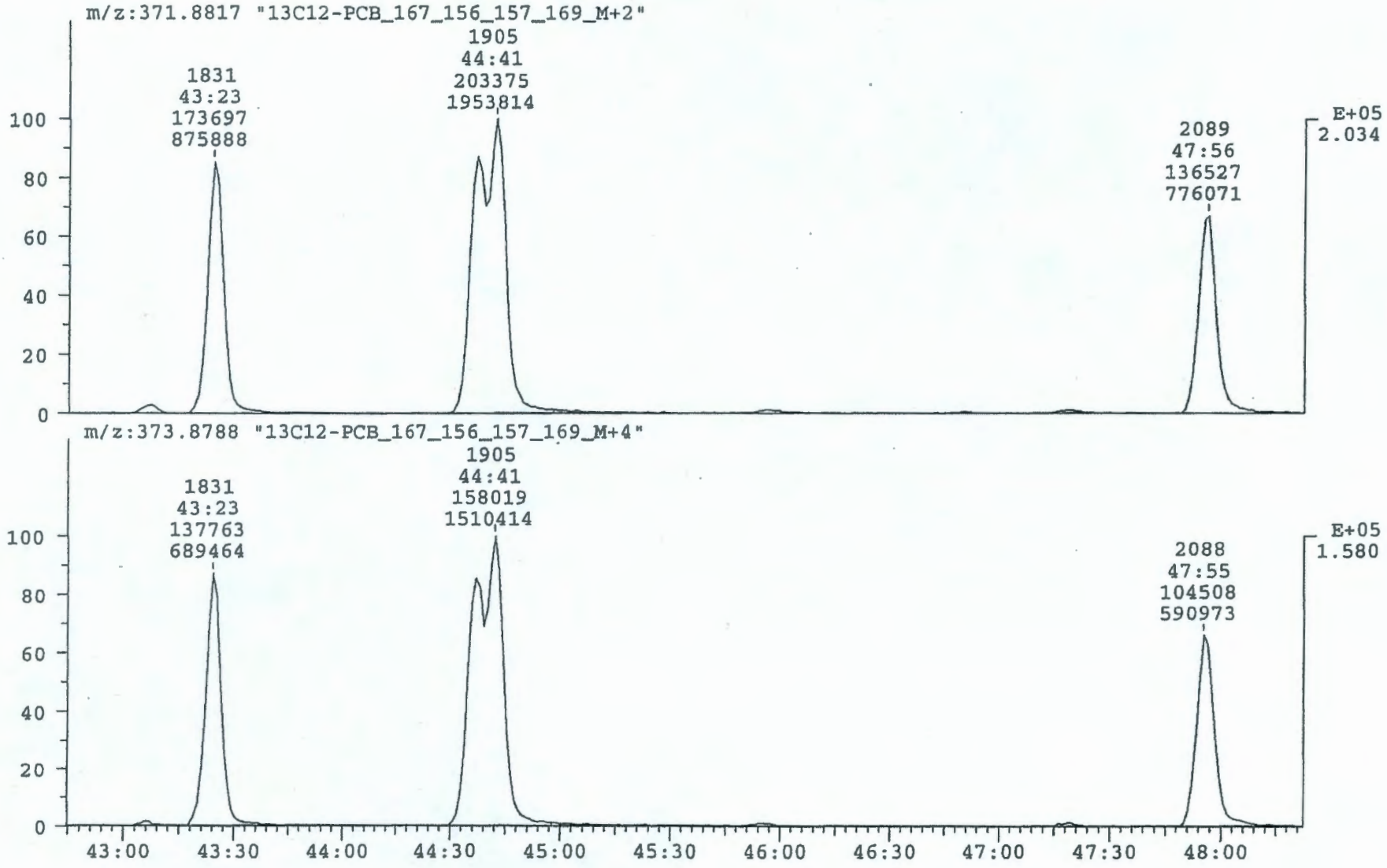
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  32:01      1189
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1164 > 1214          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



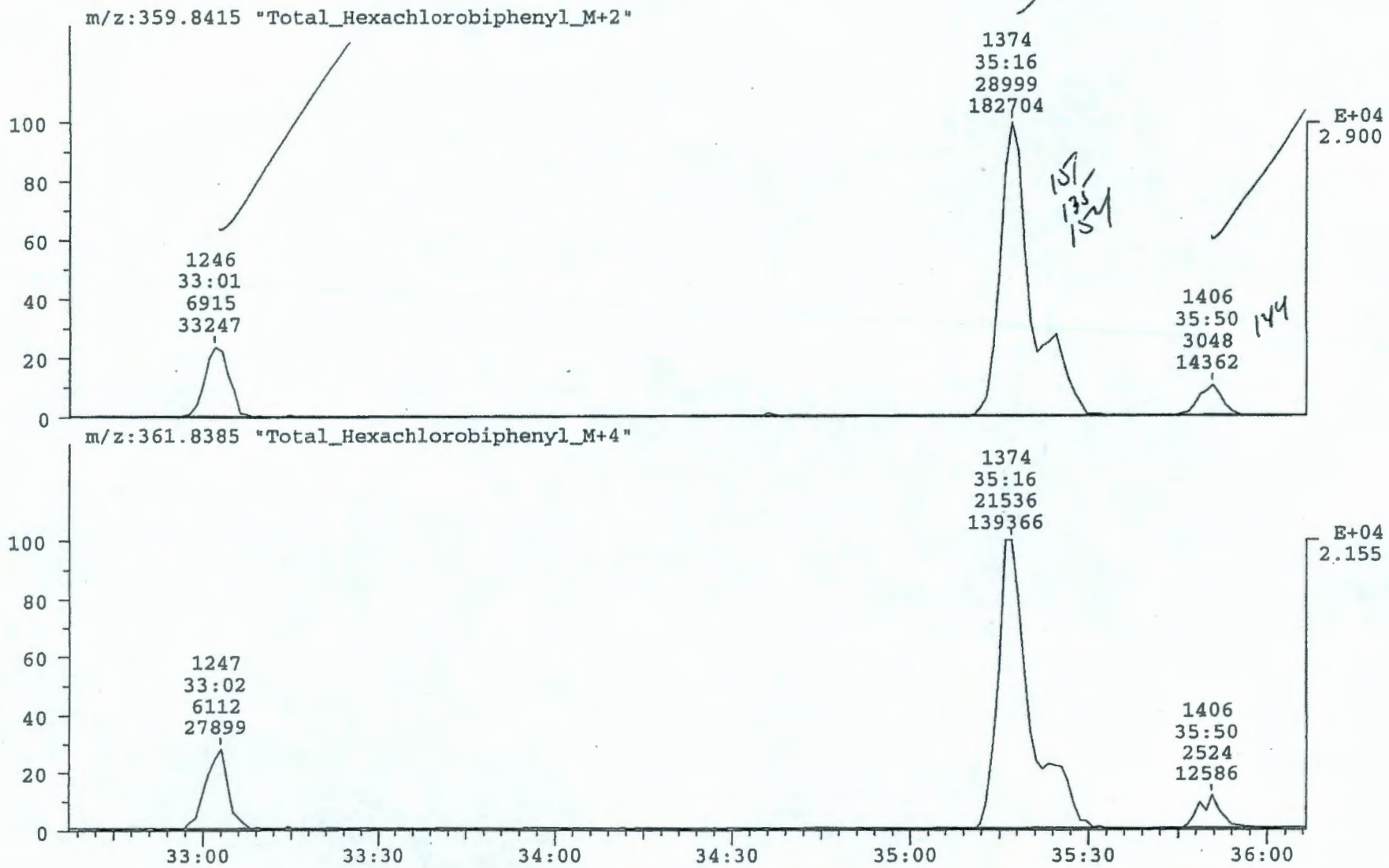
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  39:50      1629
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1556 > 1702          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



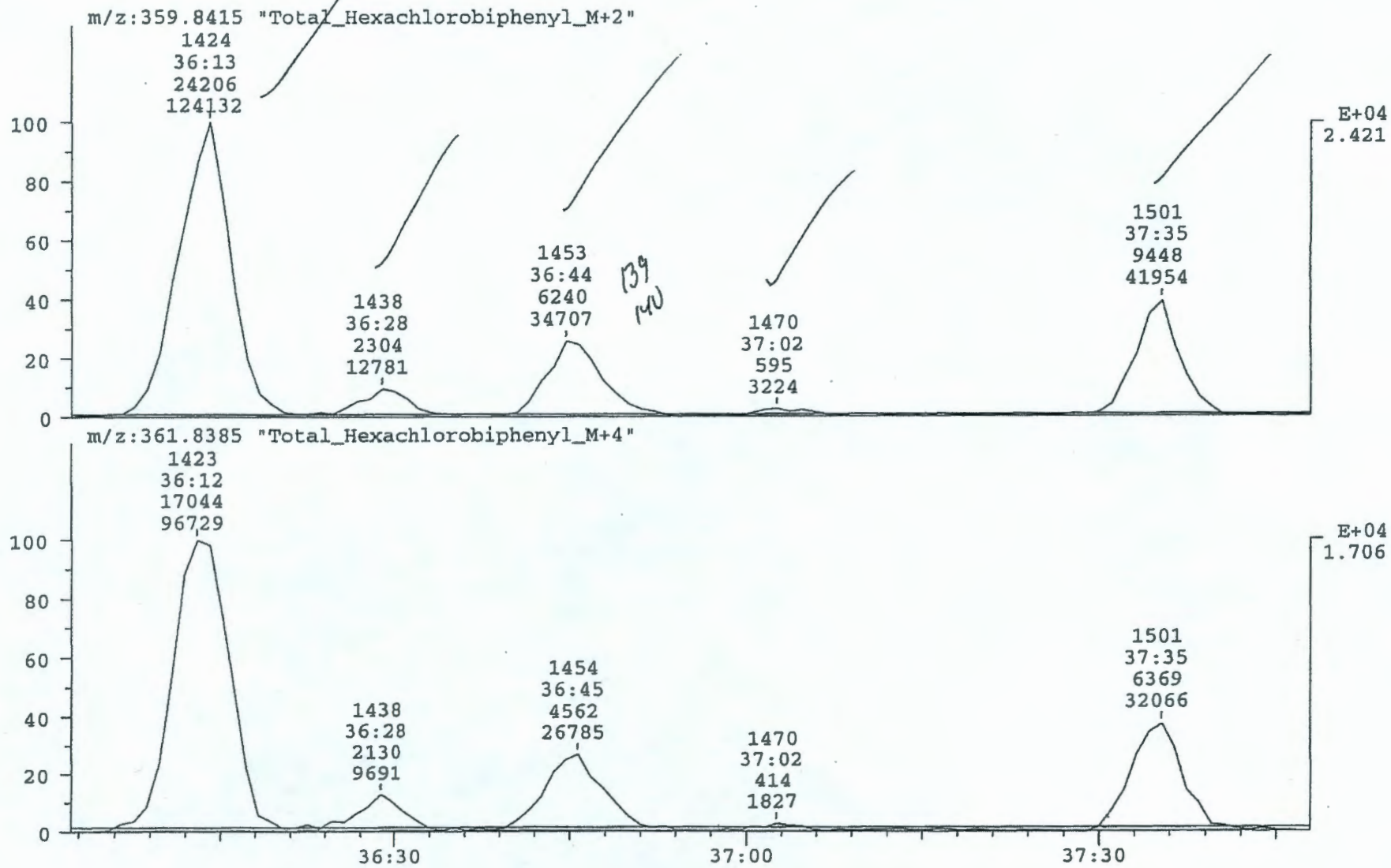
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  45:38      1959
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1794 > 2114          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 8                Label :  -3, 3.0
Disp:  Height  Area
```



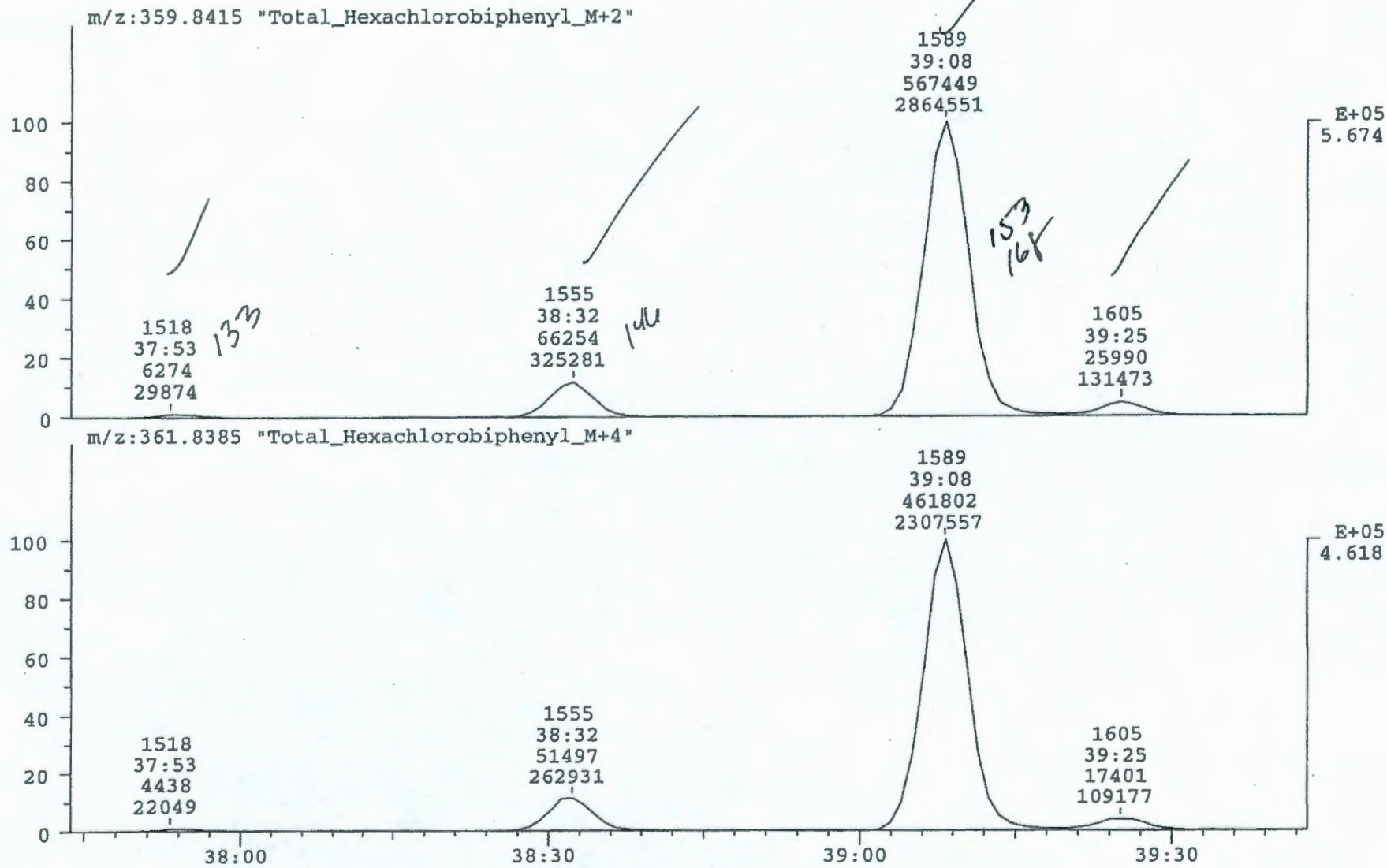
CHRO: apj64jqx 28-Sep-07 Elapse: 40:01 1639
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1223 > 1417 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 4 Label : -3, 3.0
Disp: Height Area



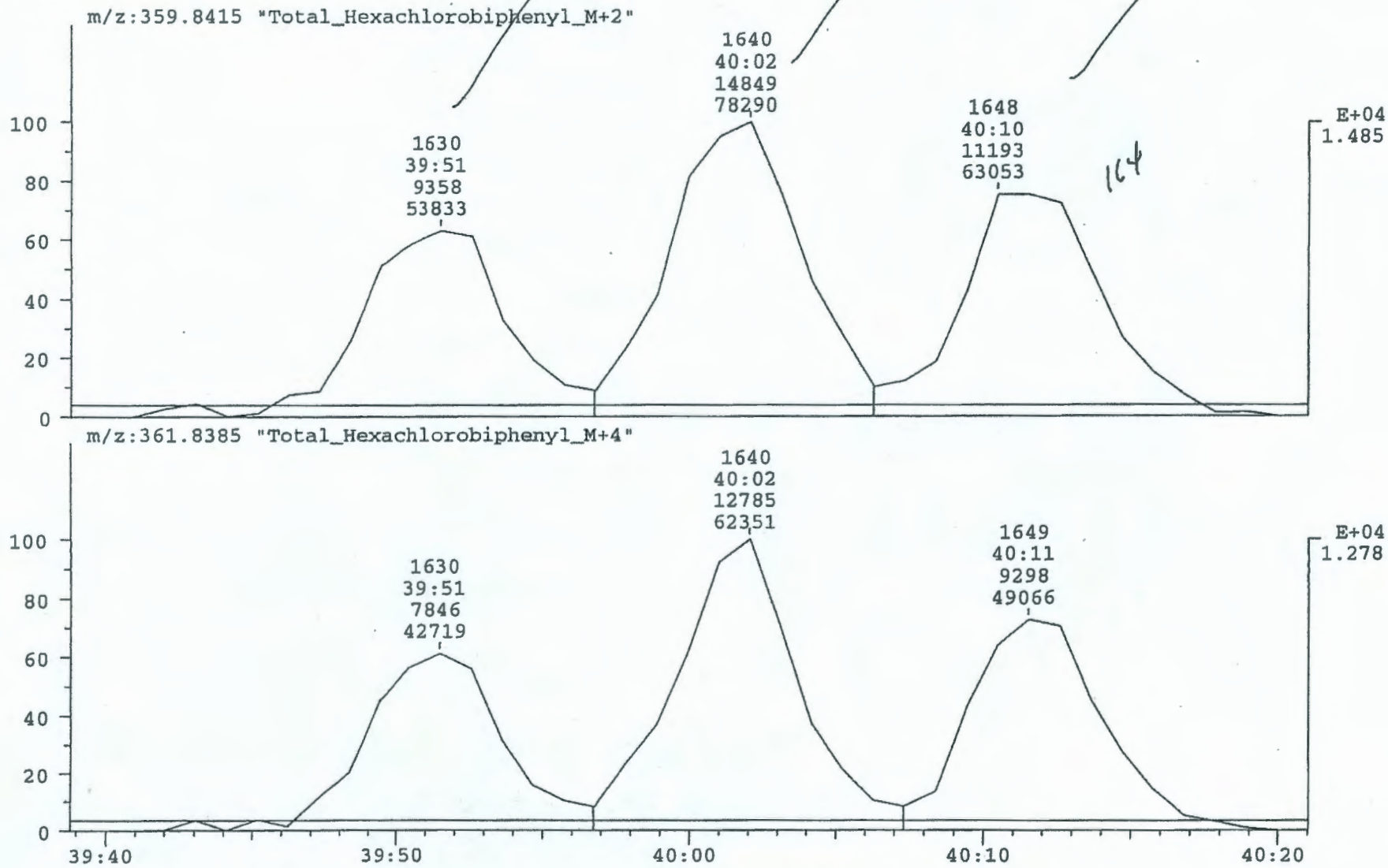
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  40:01      1639
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1413 > 1513          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



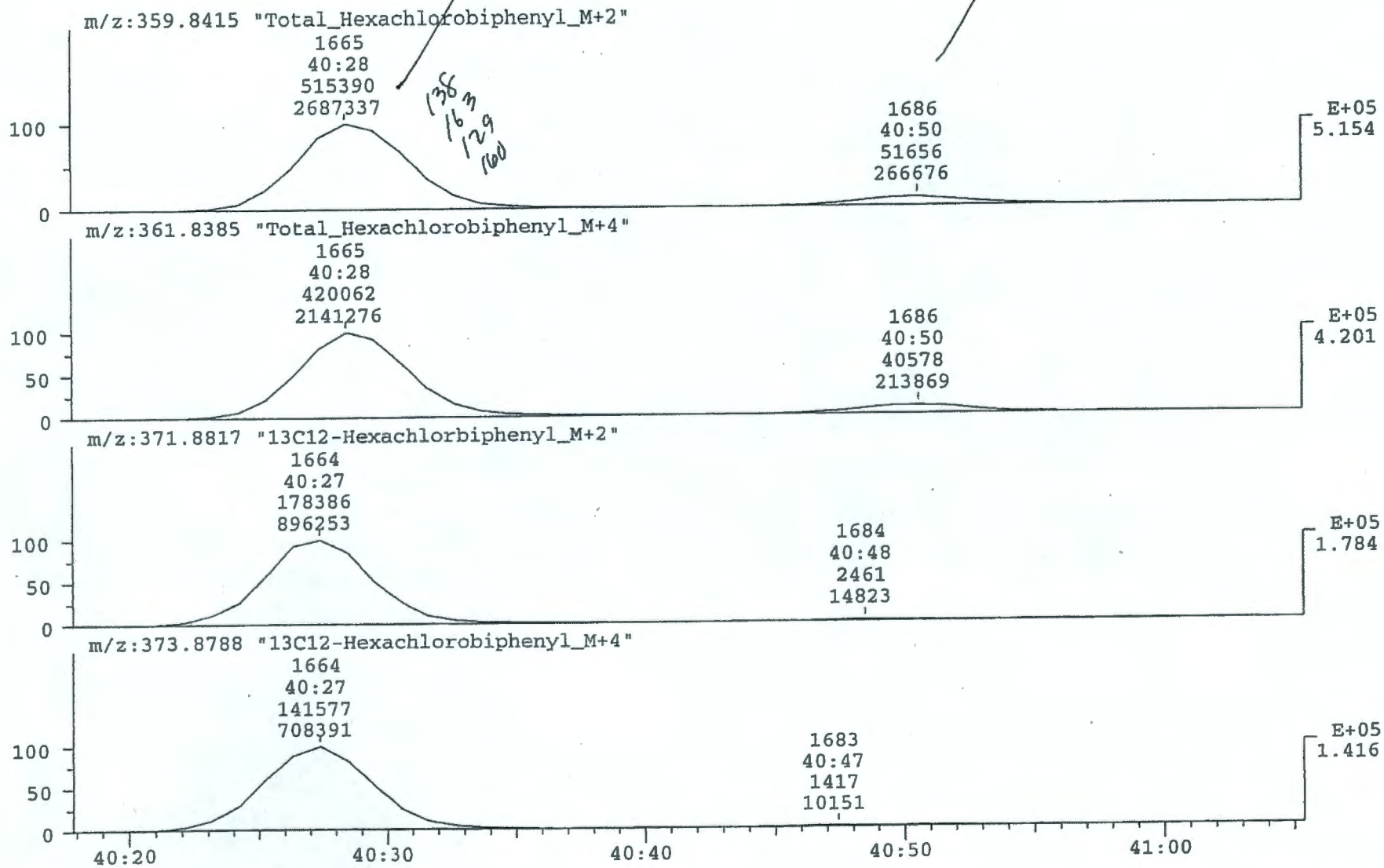
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  40:01      1639
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1509 > 1622         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  40:01      1639
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial 34
Peak:  100.00  ppm      Label wndw:   1618 > 1658         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



CHRO: apj64jqx 28-Sep-07 Elapse: 40:01 1639
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1655 > 1700 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



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CHRO:  apj64jqx                                28-Sep-07  Elapse:  40:01      1639
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial 34
Peak:  100.00  ppm      Label wndw:   1716 > 1758         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 1               Label :  -3, 3.0
Disp:  Height  Area
```
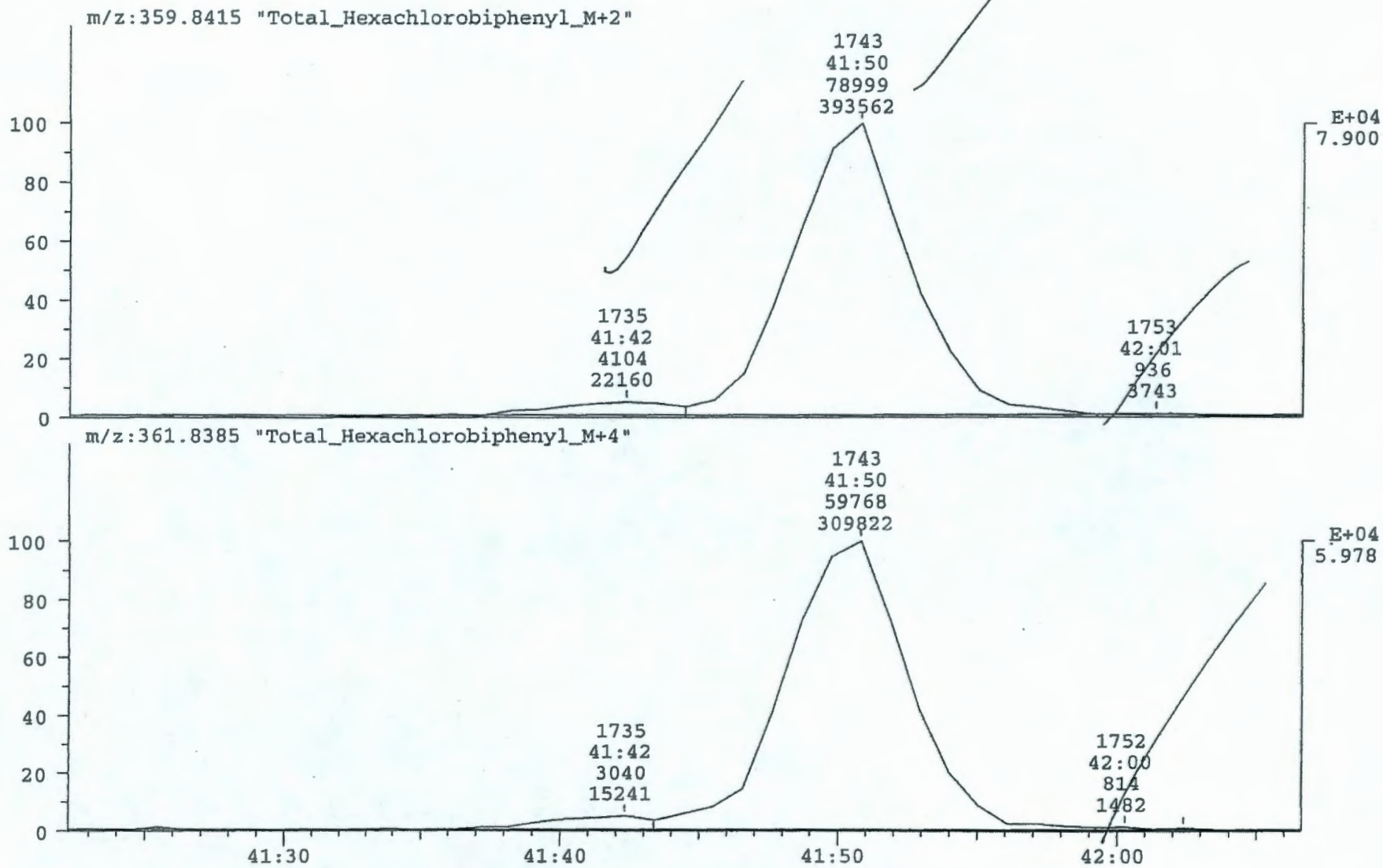
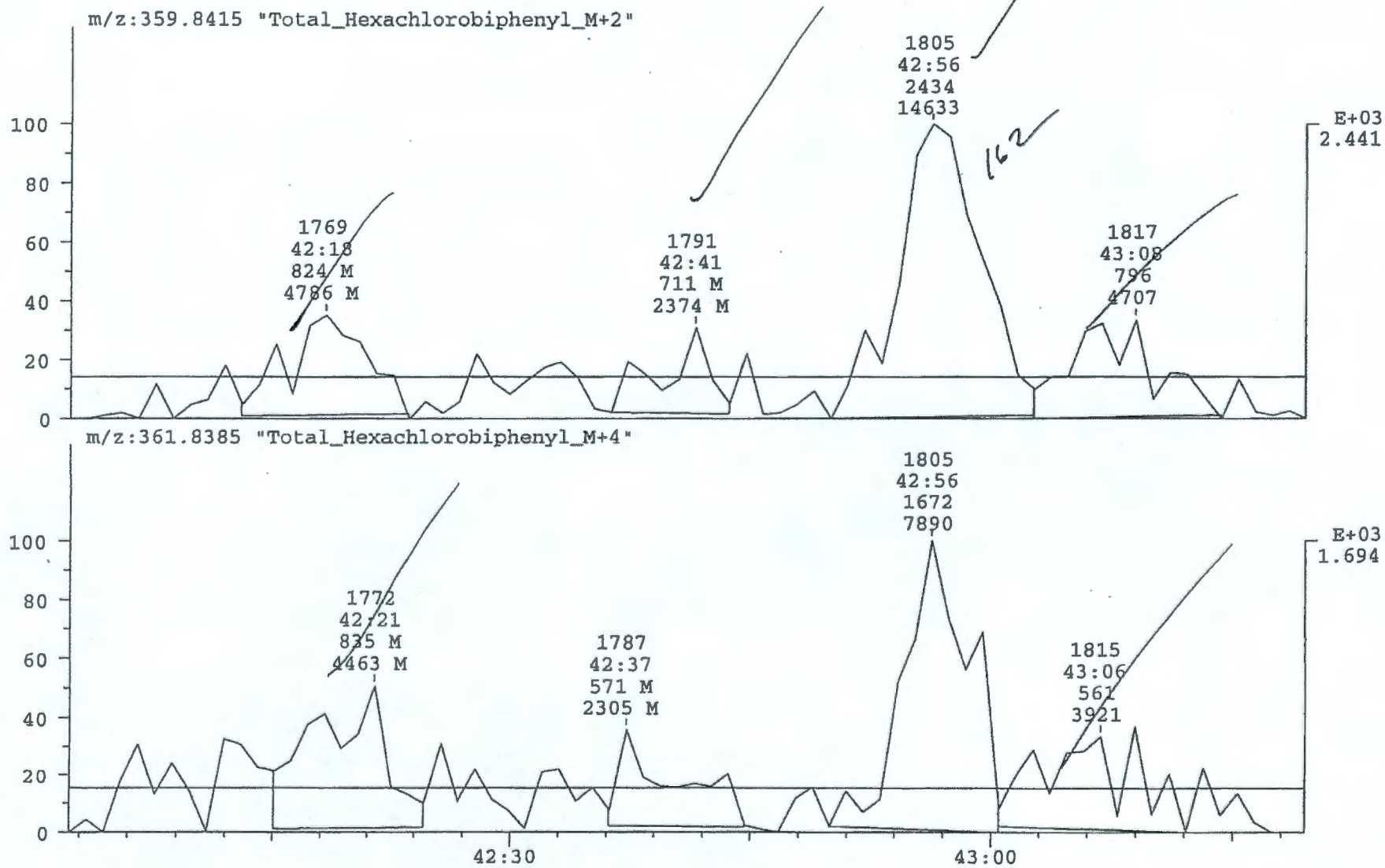
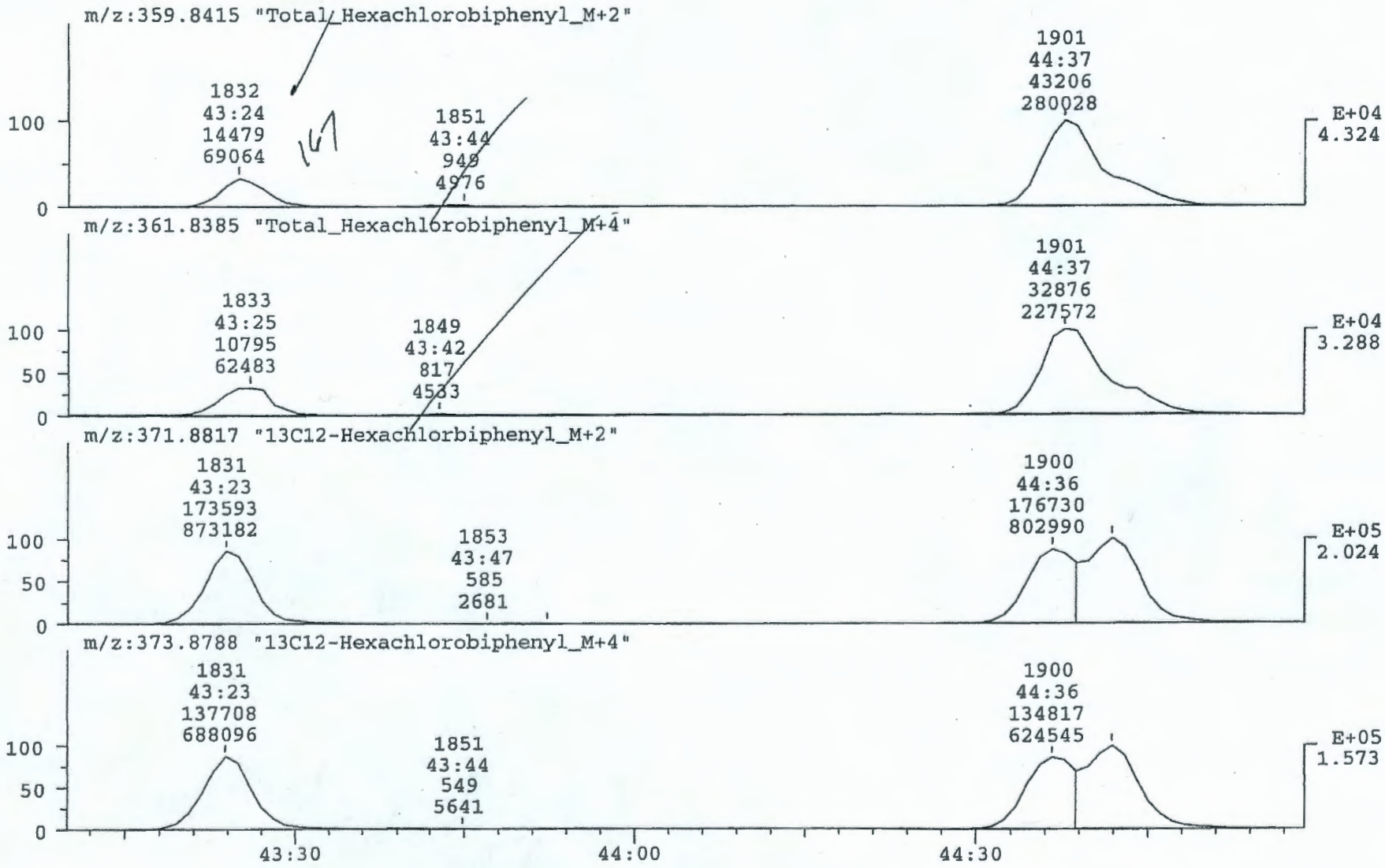



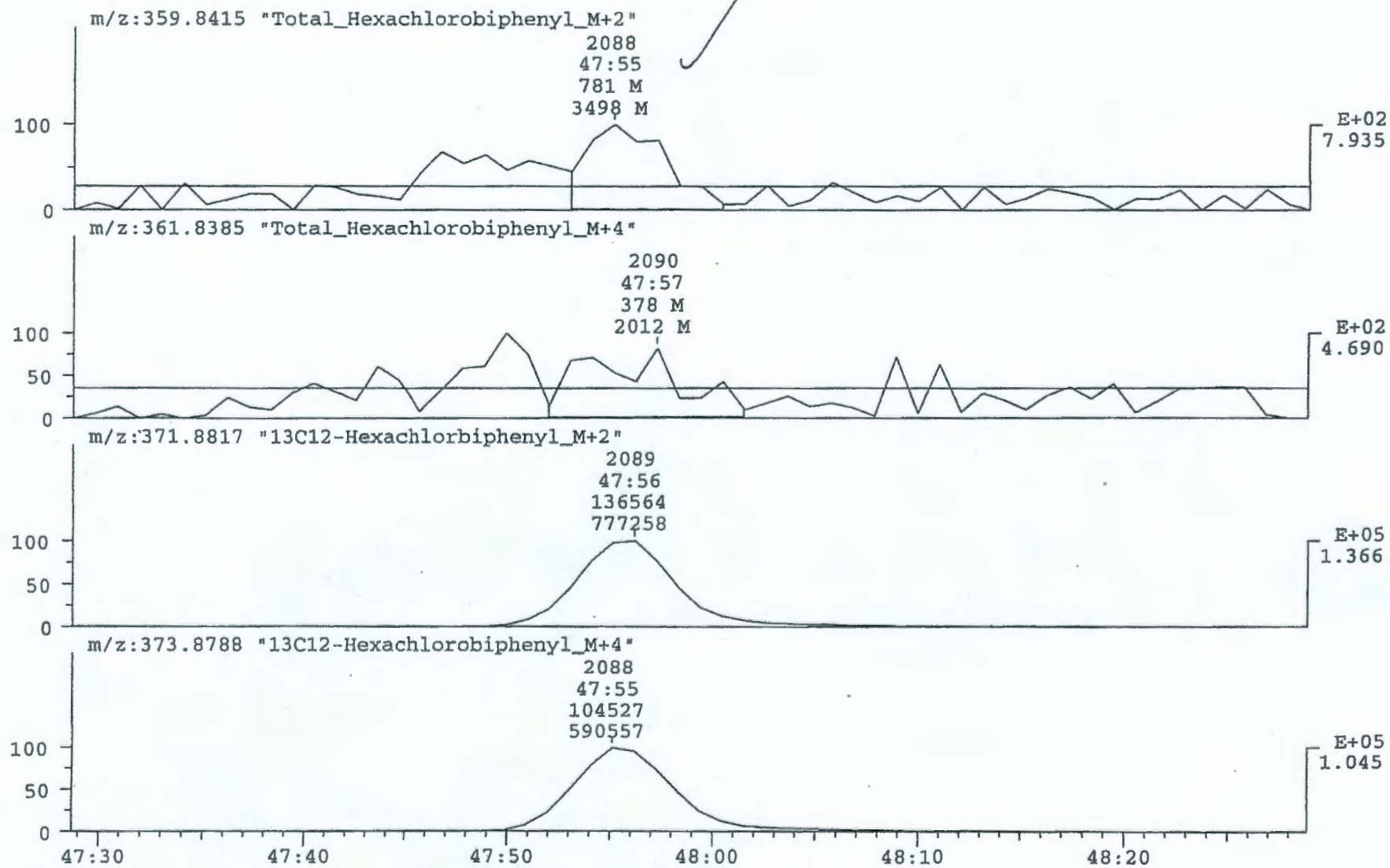
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  40:01      1639
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1754 > 1827          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 6                Label :  -3, 3.0
Disp:  Height  Area
```



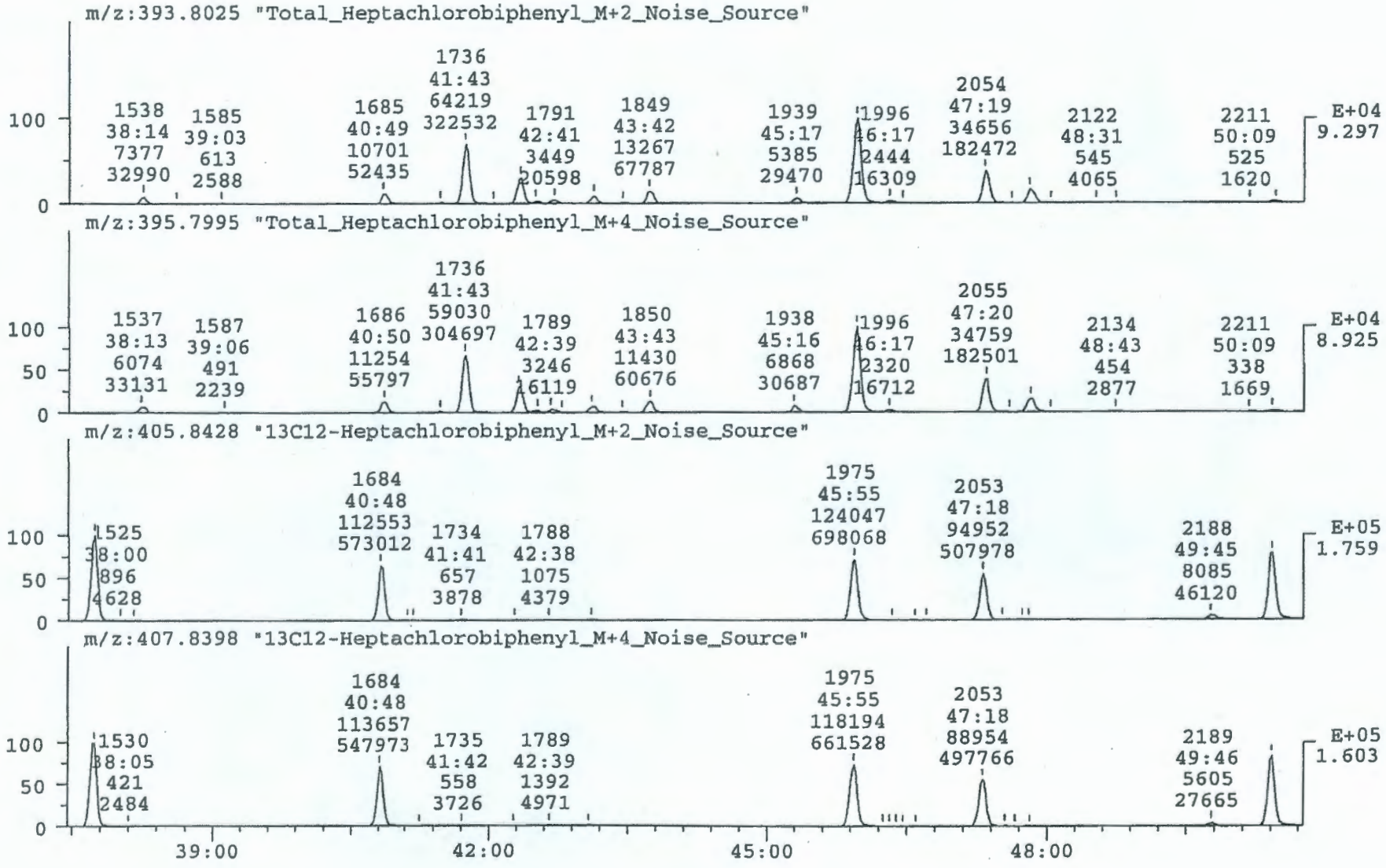
CHRO: apj64jqx 28-Sep-07 Elapse: 40:01 1639
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1818 > 1921 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



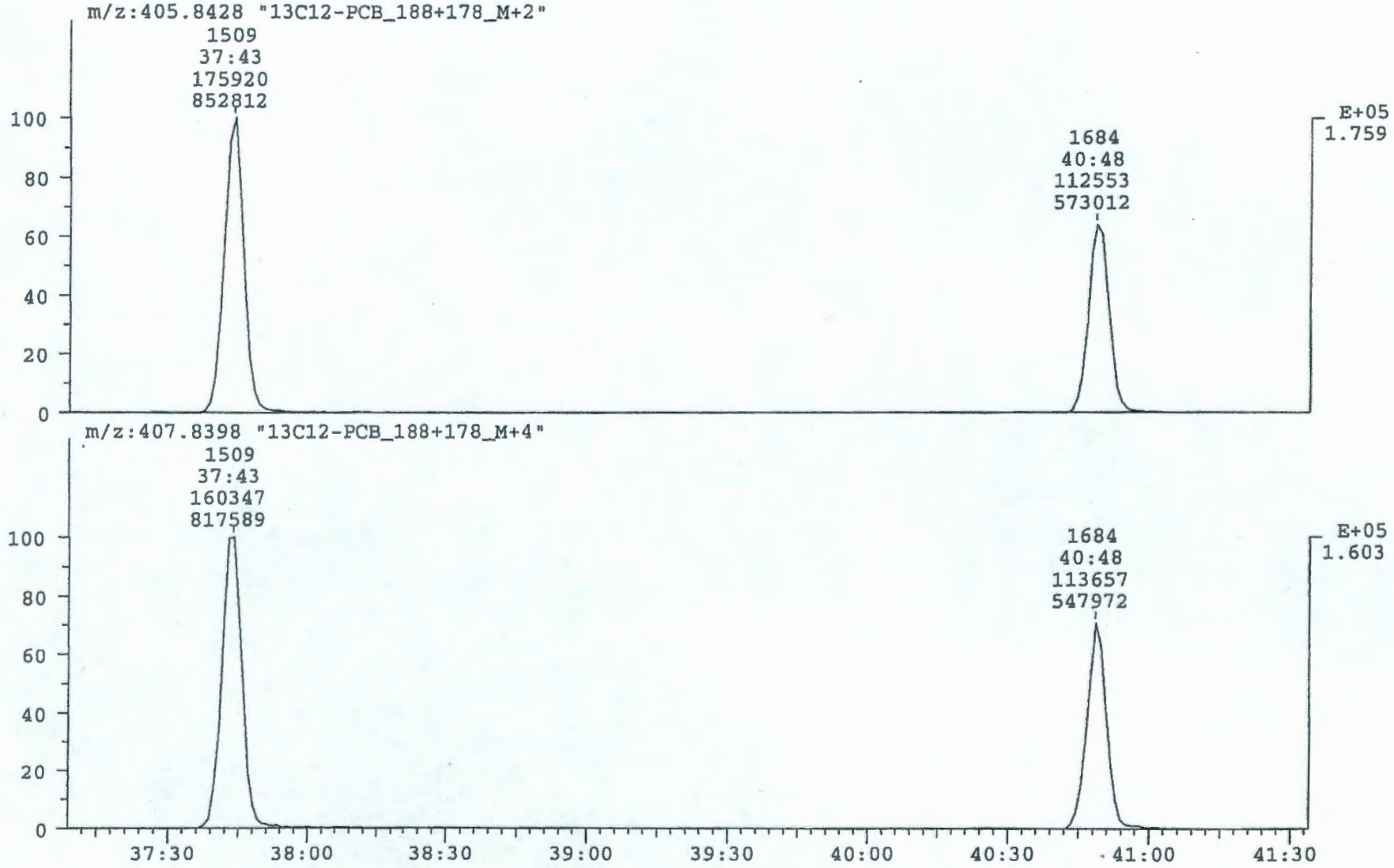
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  47:56      2089
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   2086 > 2092          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



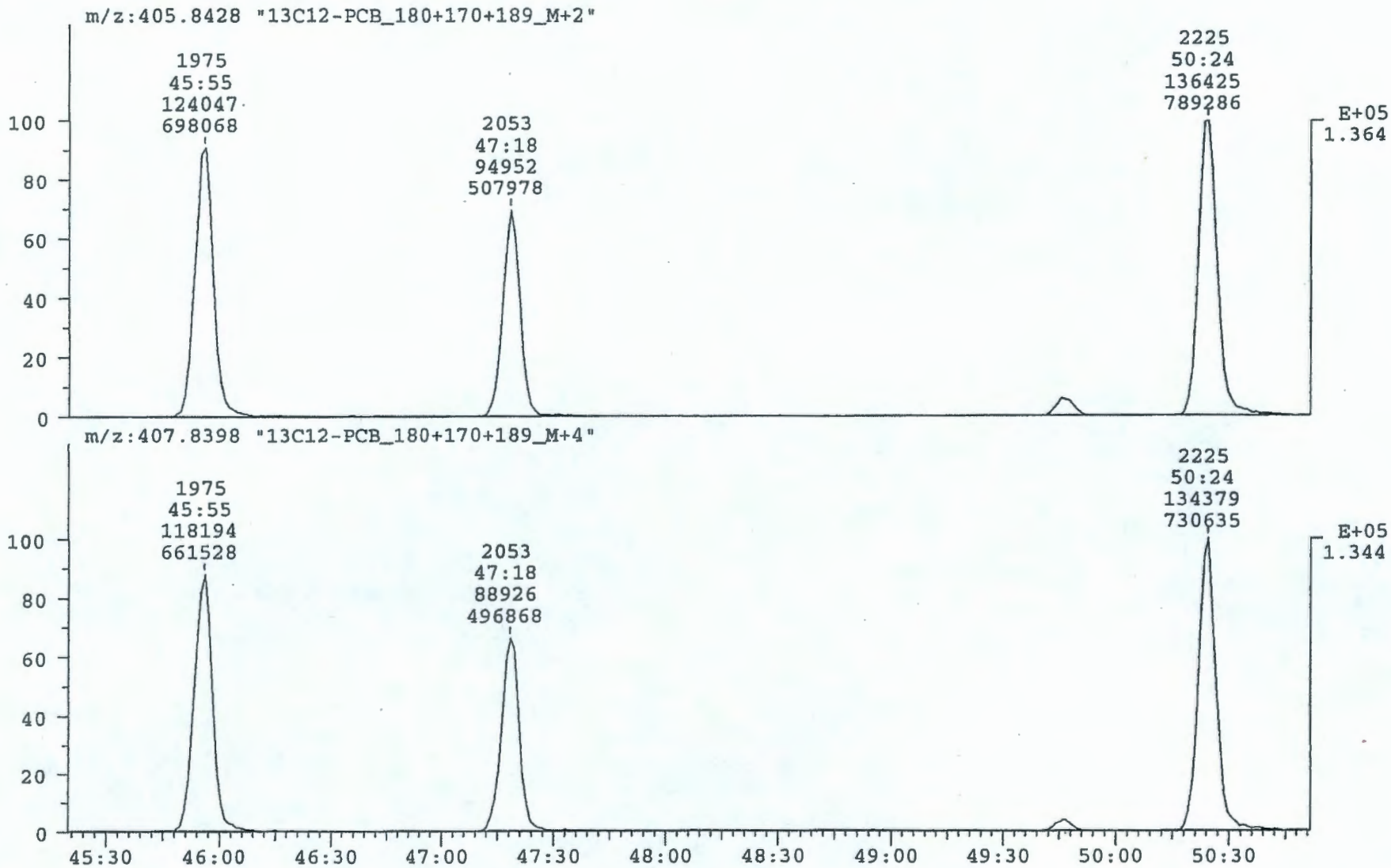
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  44:06      1871
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1493 > 2245          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



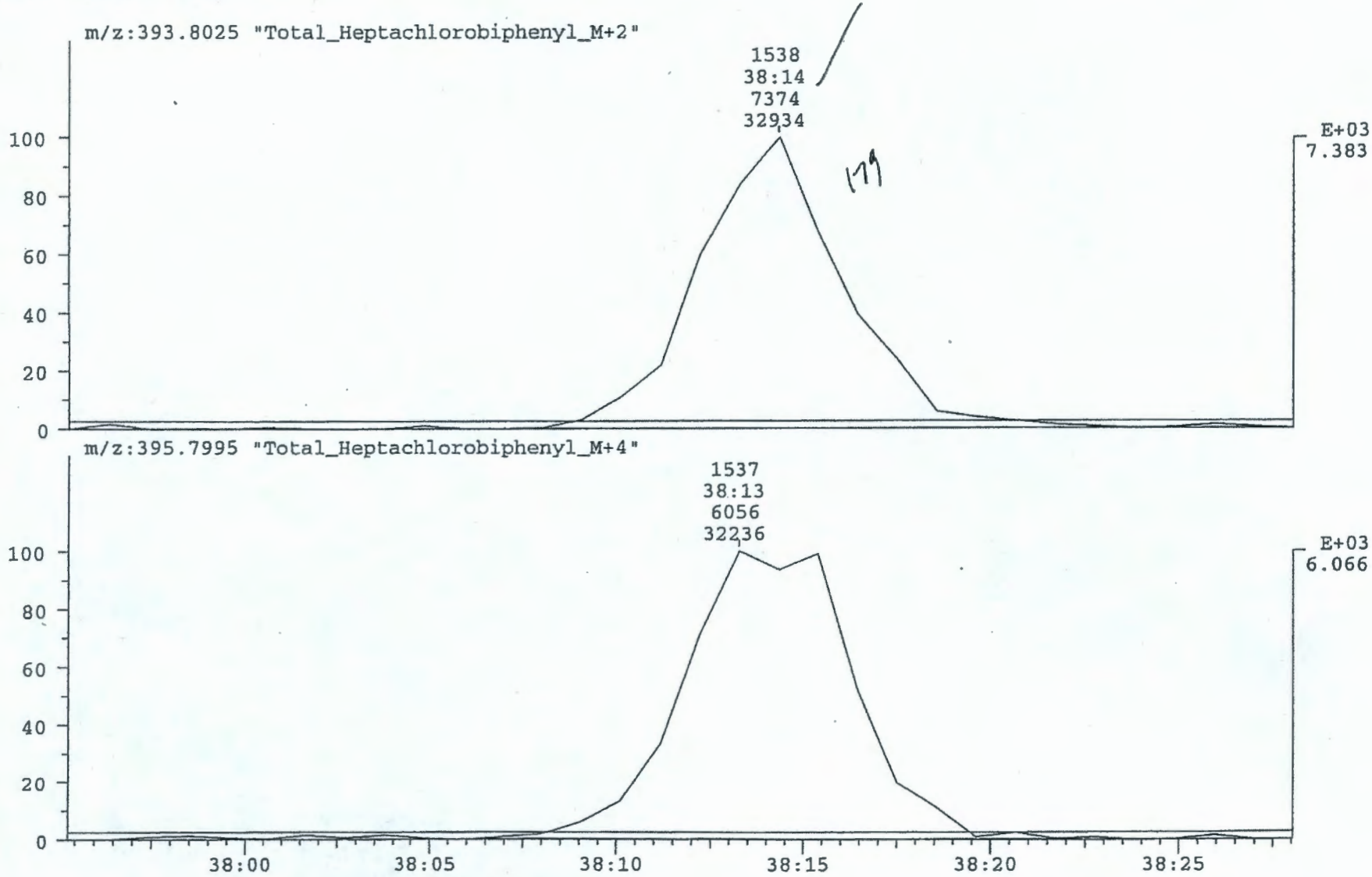
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  39:20      1601
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial 34
Peak:  100.00  ppm      Label wndw:   1476 > 1727         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



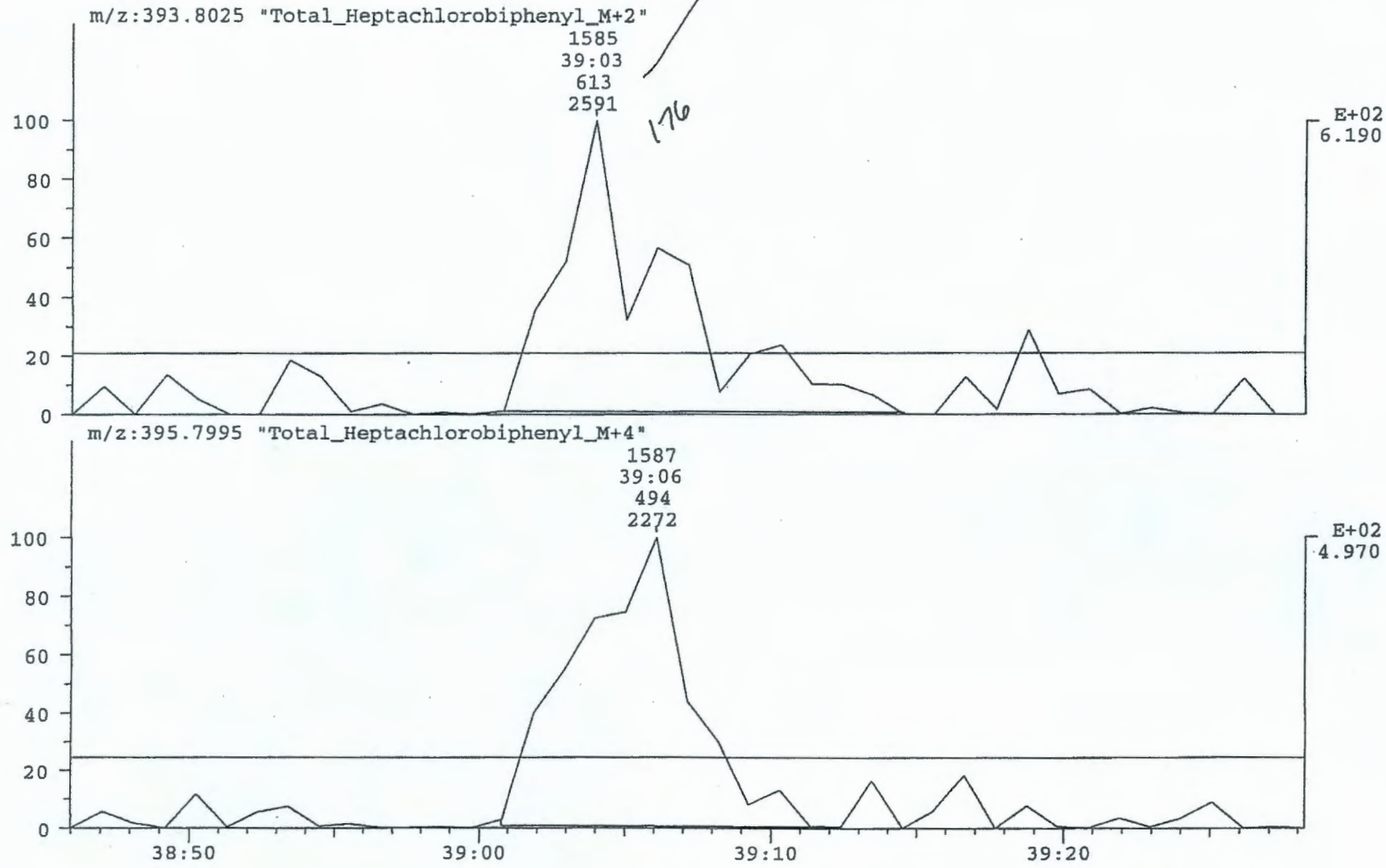
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  48:08      2101
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial 34
Peak:  100.00  ppm      Label wndw:   1941 > 2251         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



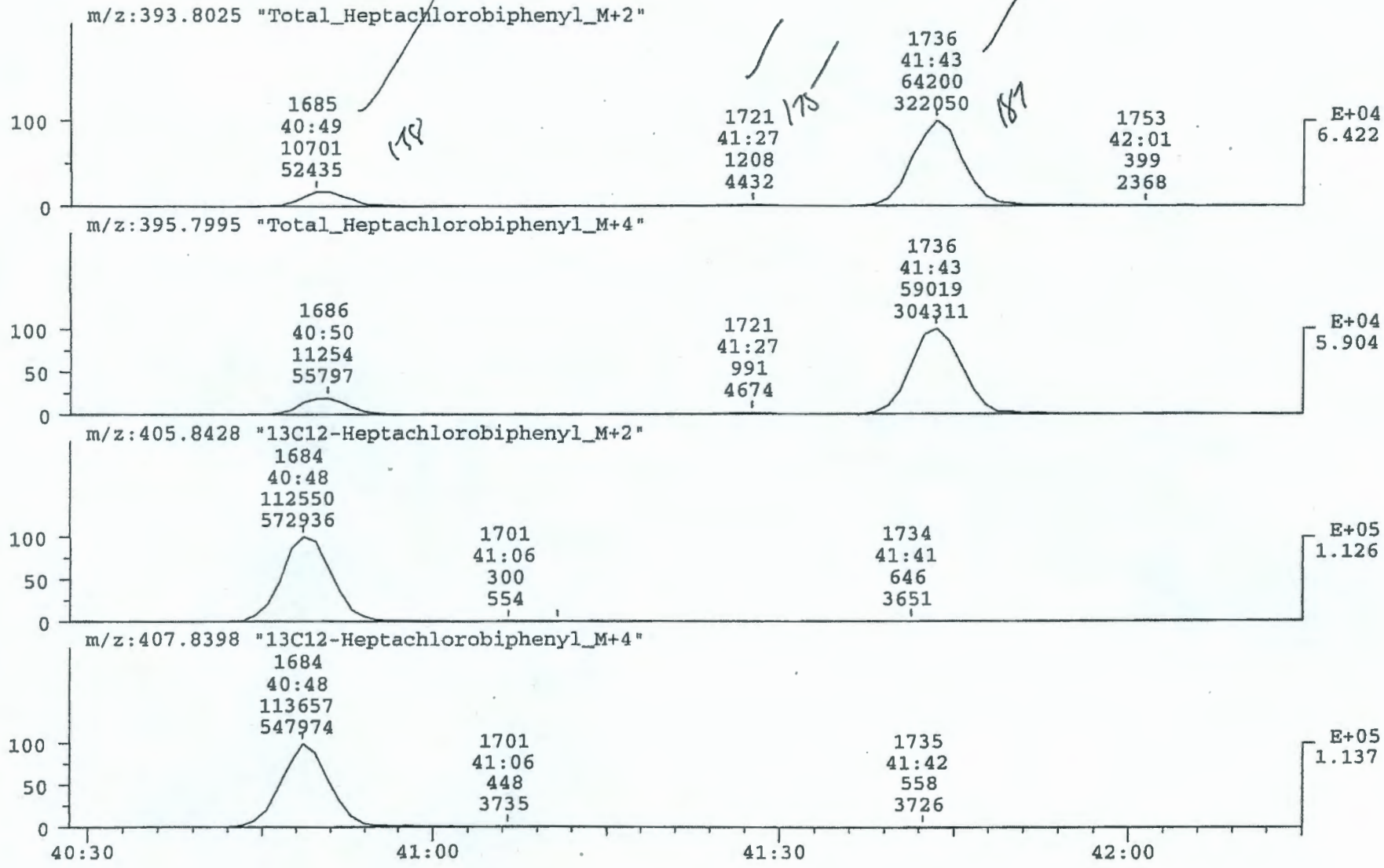
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  47:56      2089
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45   2601
Comm:  Inst=mld/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1520 > 1551          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



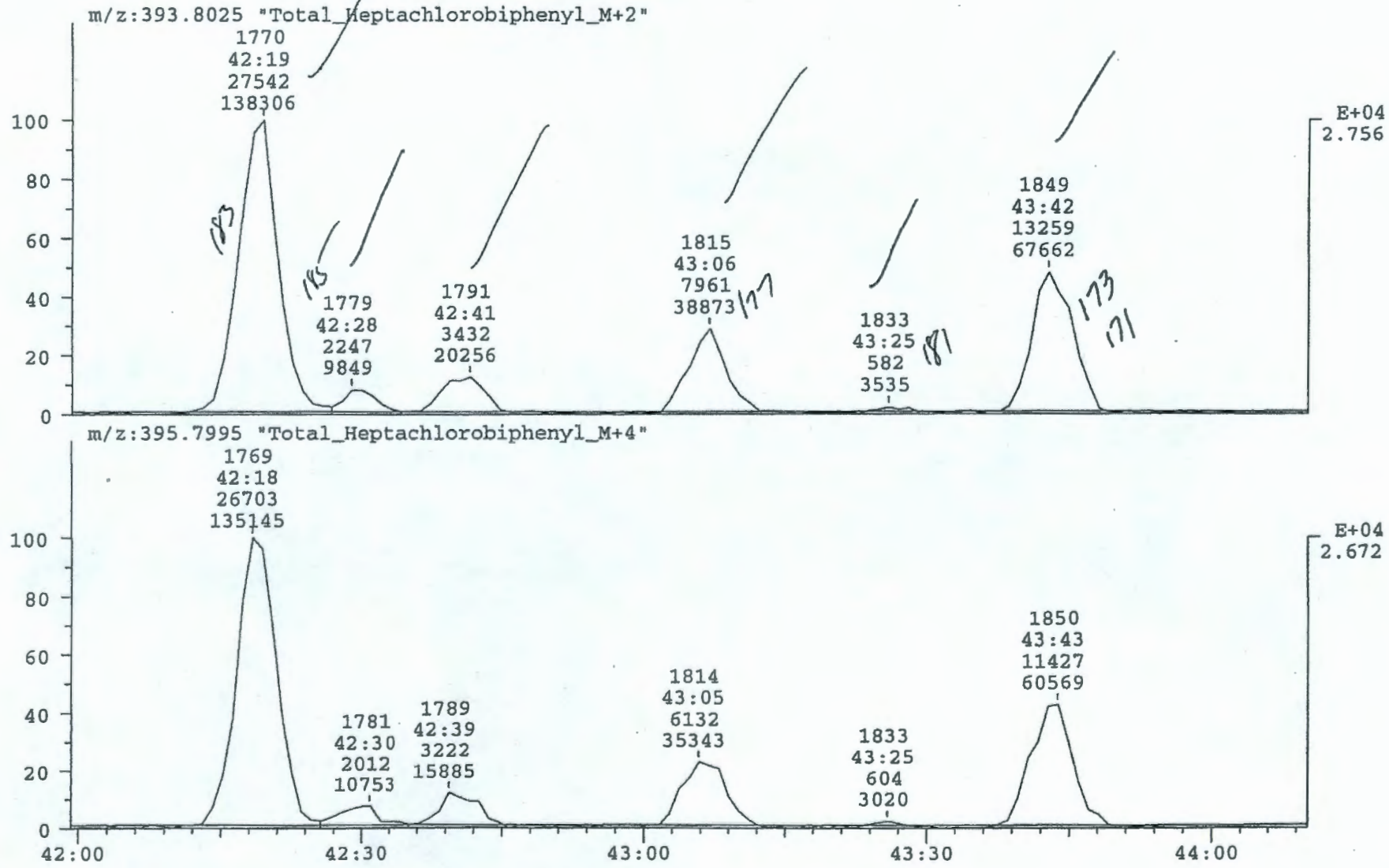
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  47:56      2089
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1568 > 1608         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



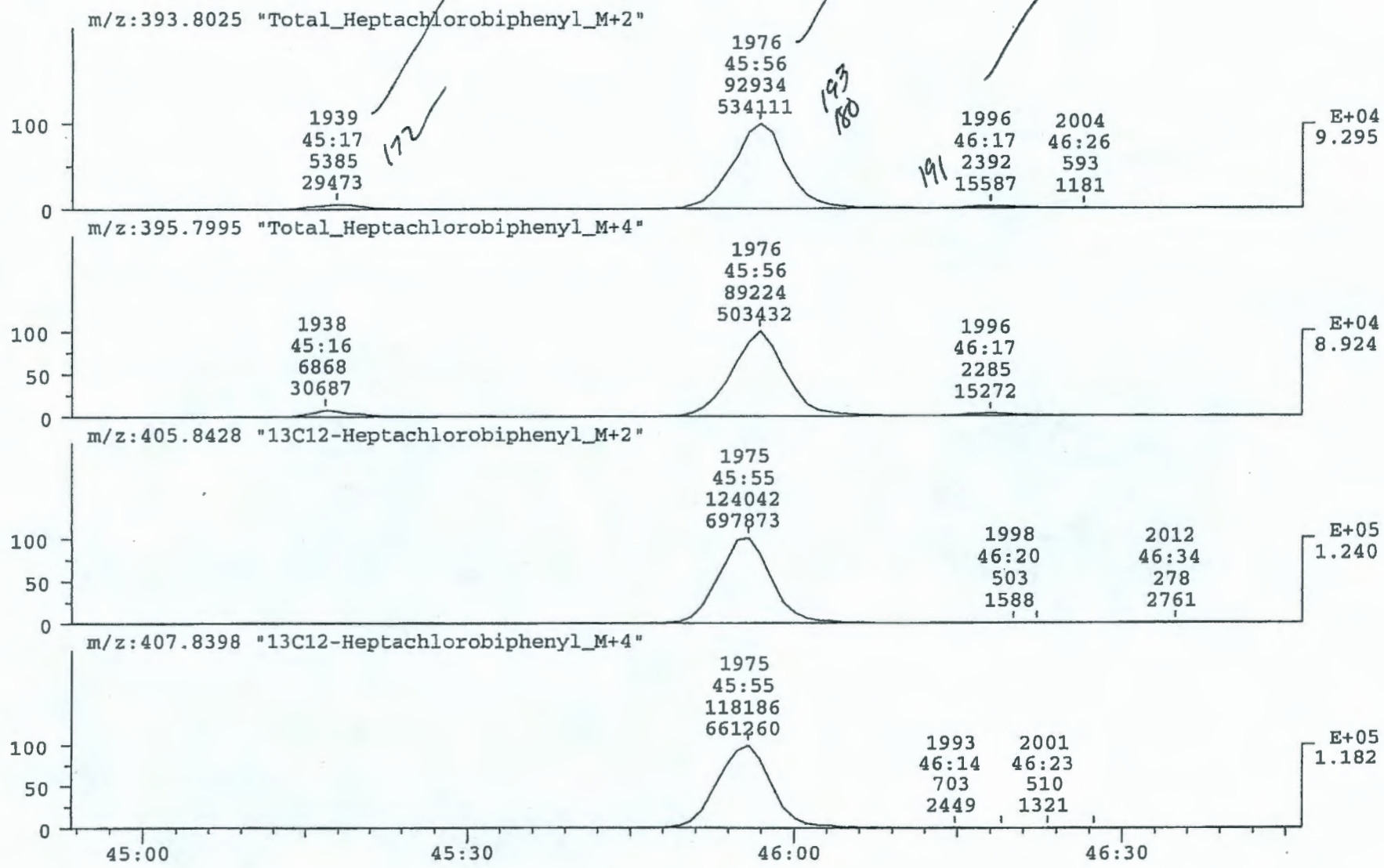
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  47:56      2089
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1665 > 1766         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



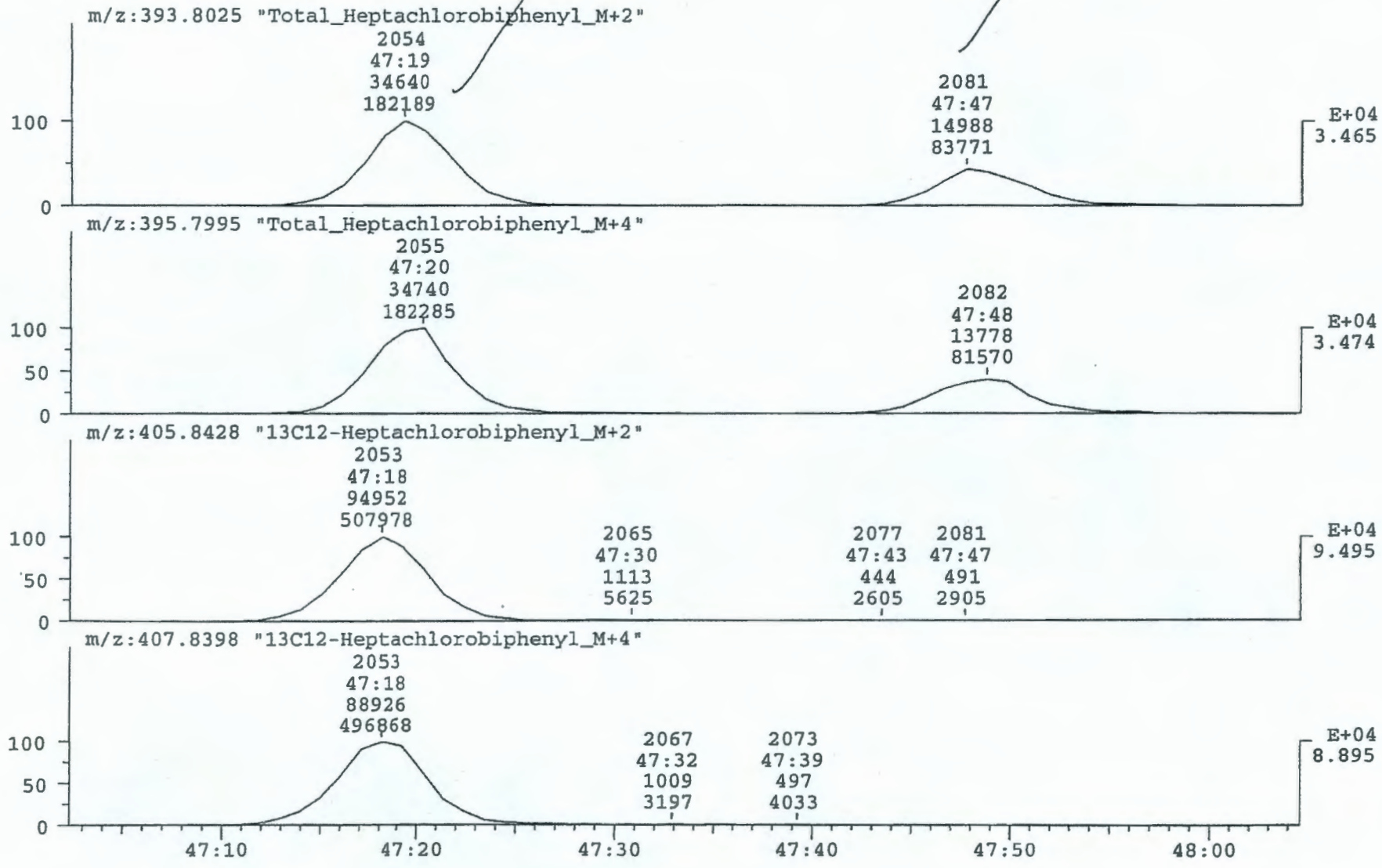
CHRO: apj64jqx 28-Sep-07 Elapse: 47:56 2089
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1751 > 1875 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



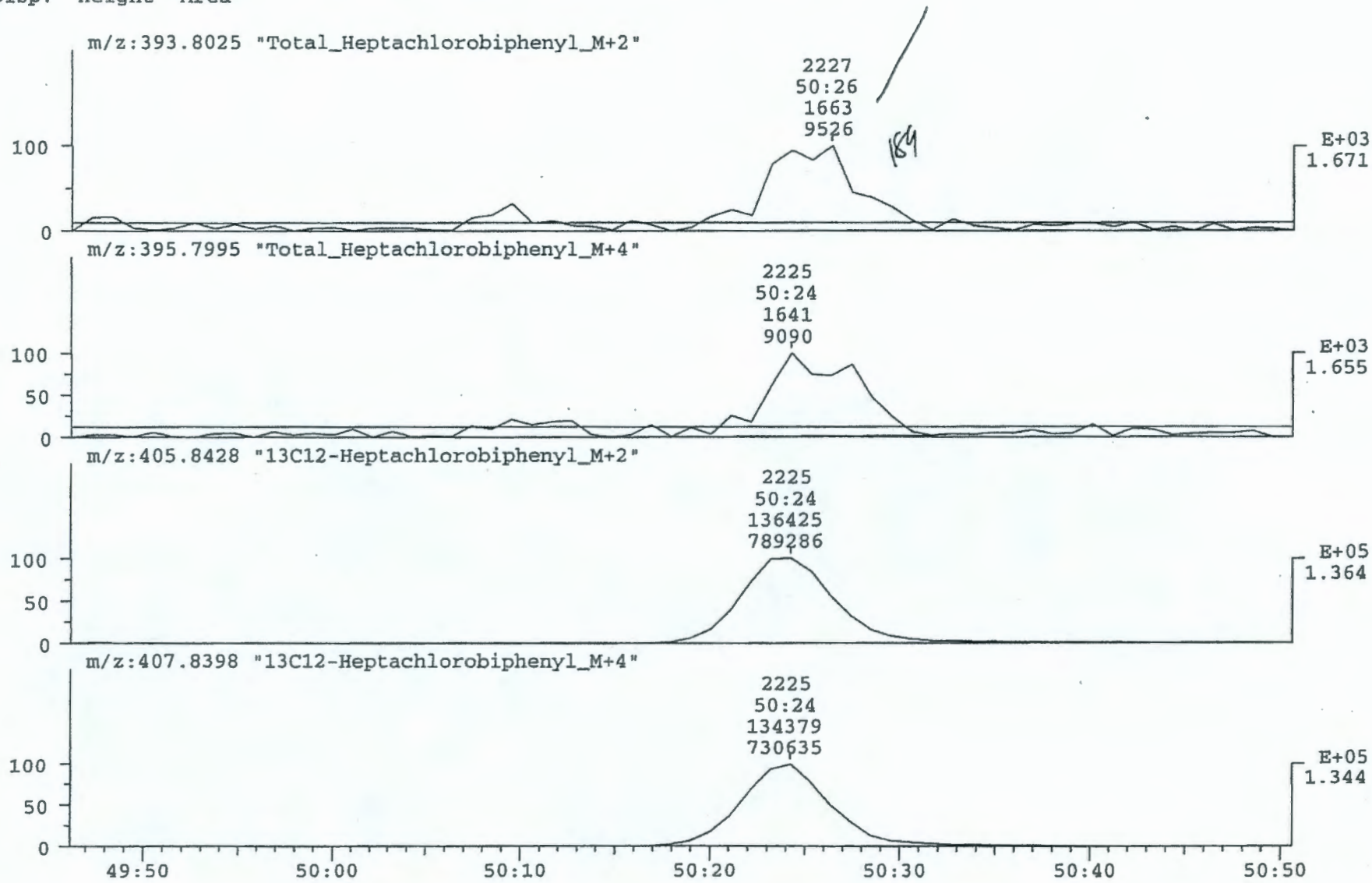
CHRO: apj64jqx 28-Sep-07 Elapse: 47:56 2089
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1916 > 2023 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3 0
Disp: Height Area



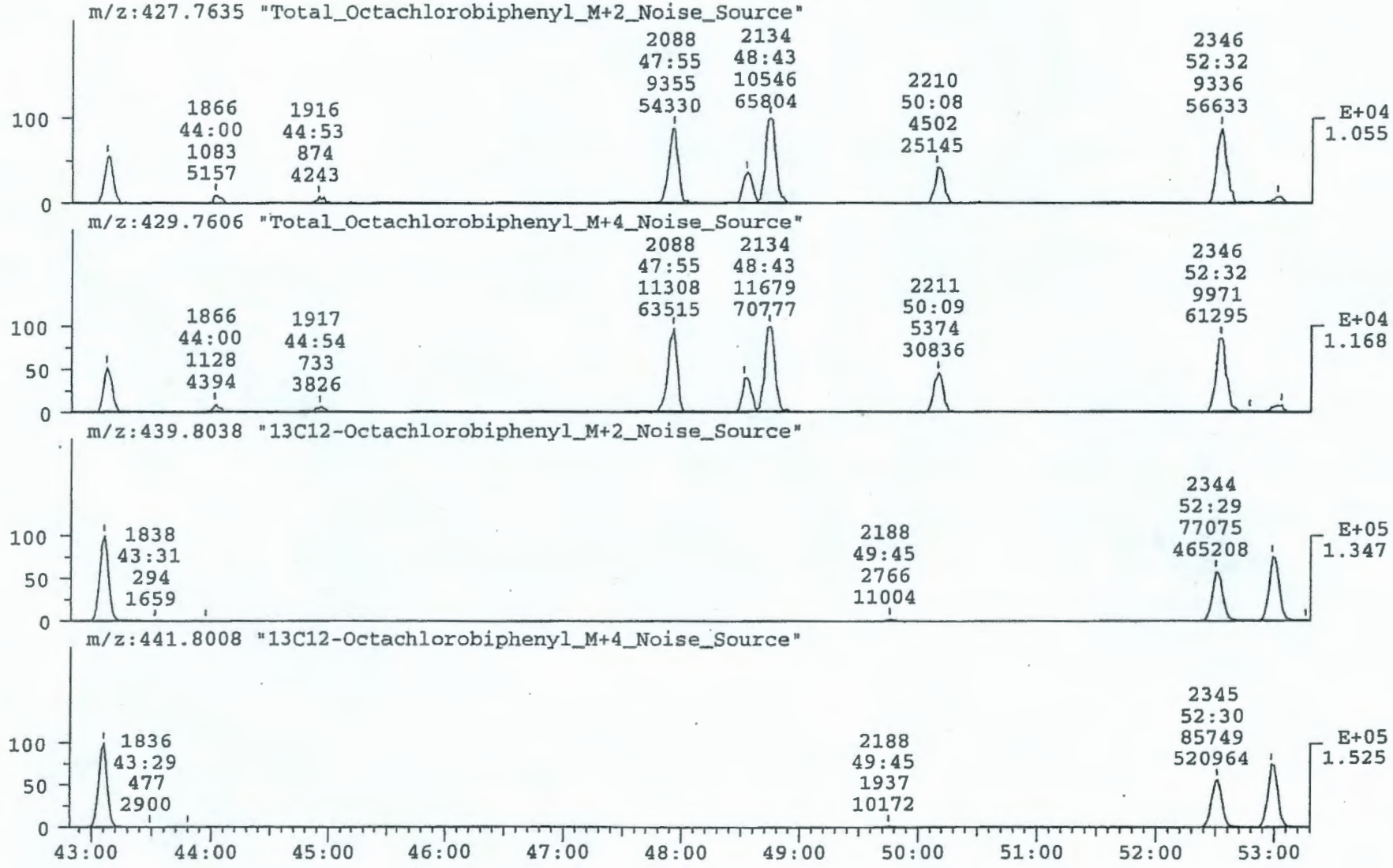
CHRO: apj64jqx 28-Sep-07 Elapse: 47:56 2089
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 2038 > 2097 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



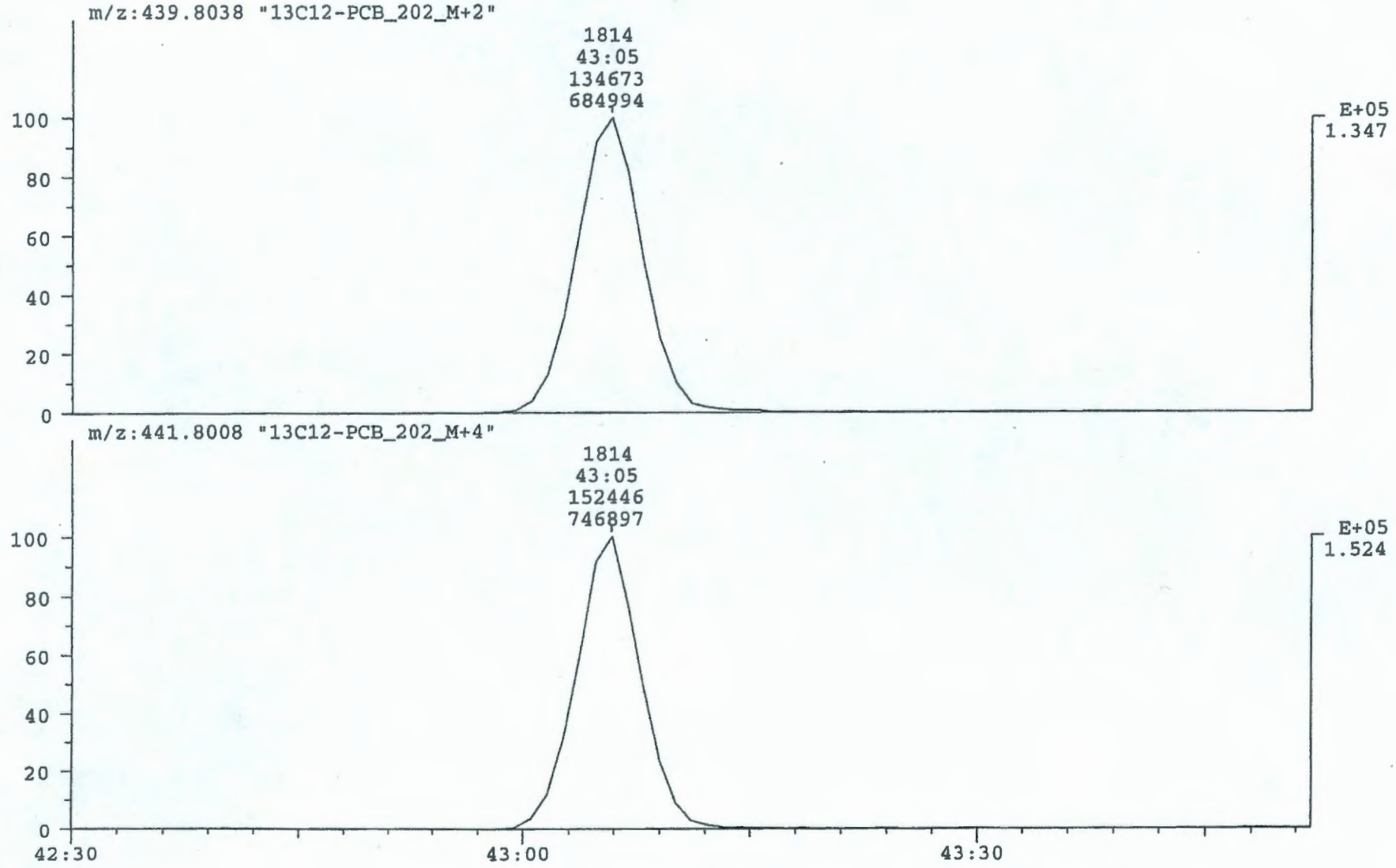
CHRO: apj64jqx 28-Sep-07 Elapse: 50:26 2227
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 2224 > 2230 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



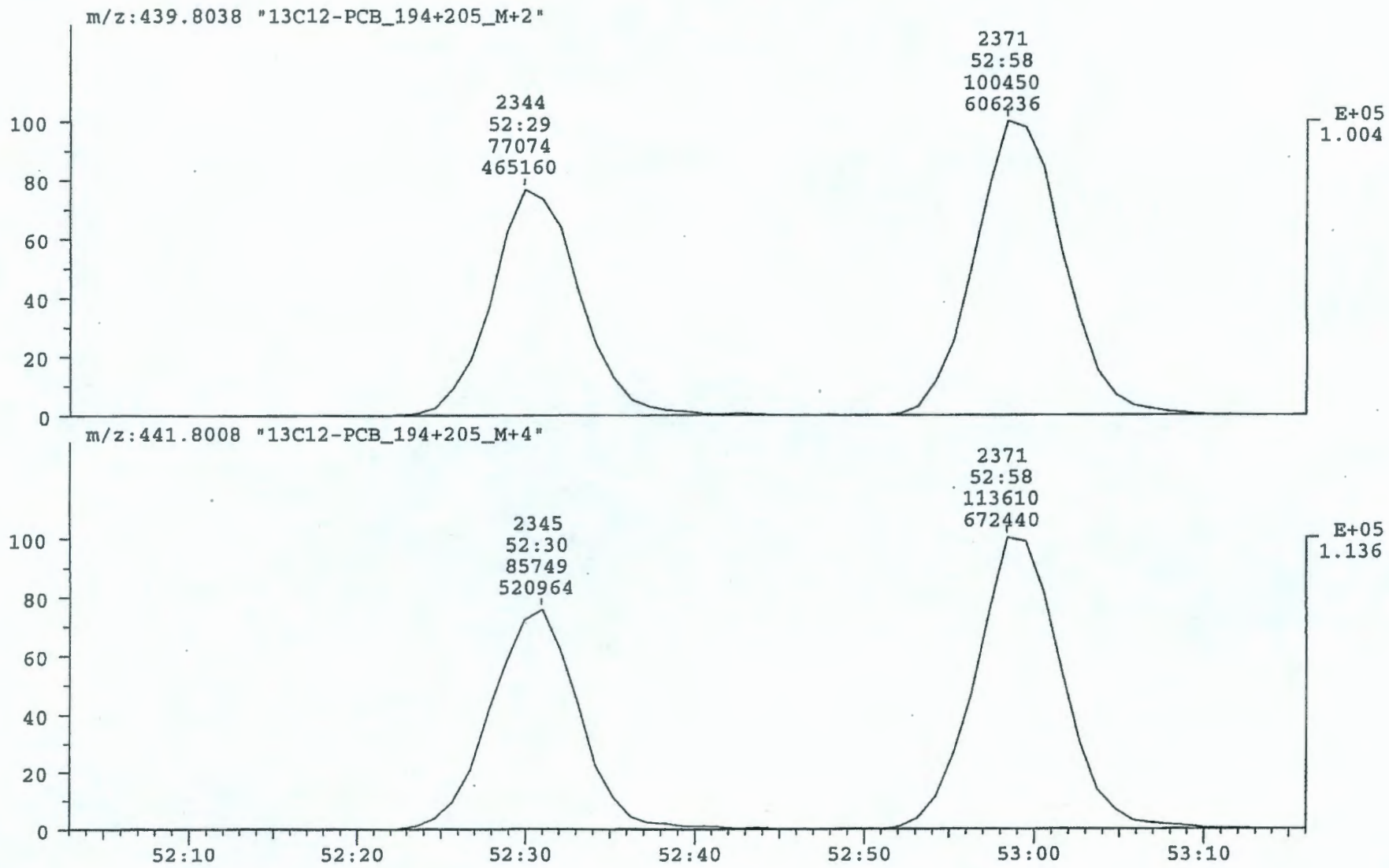
CHRO: apj64jqx 28-Sep-07 Elapse: 48:02 2095
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1798 > 2390 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



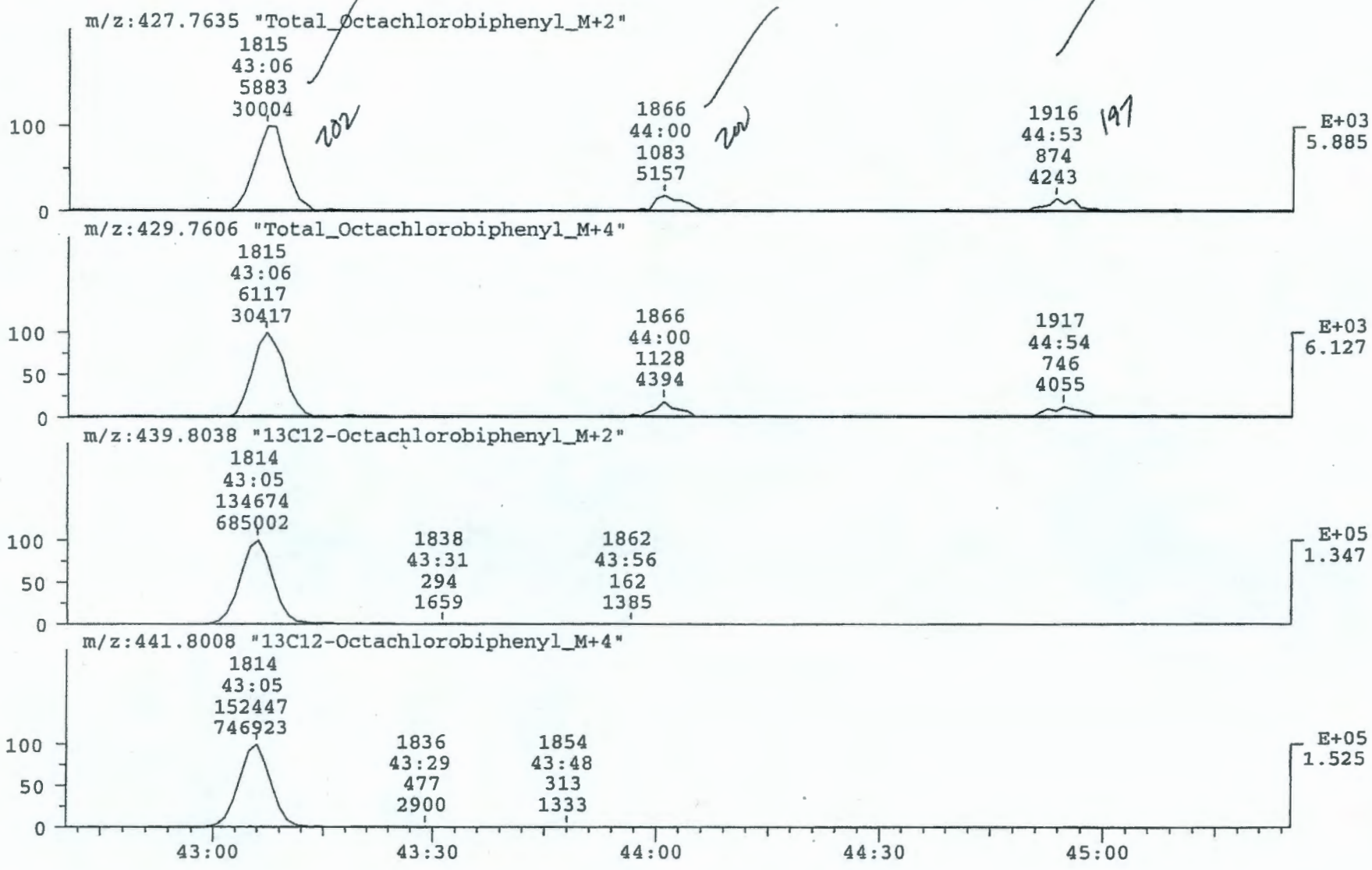
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  43:07      1816
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   1780 > 1858         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



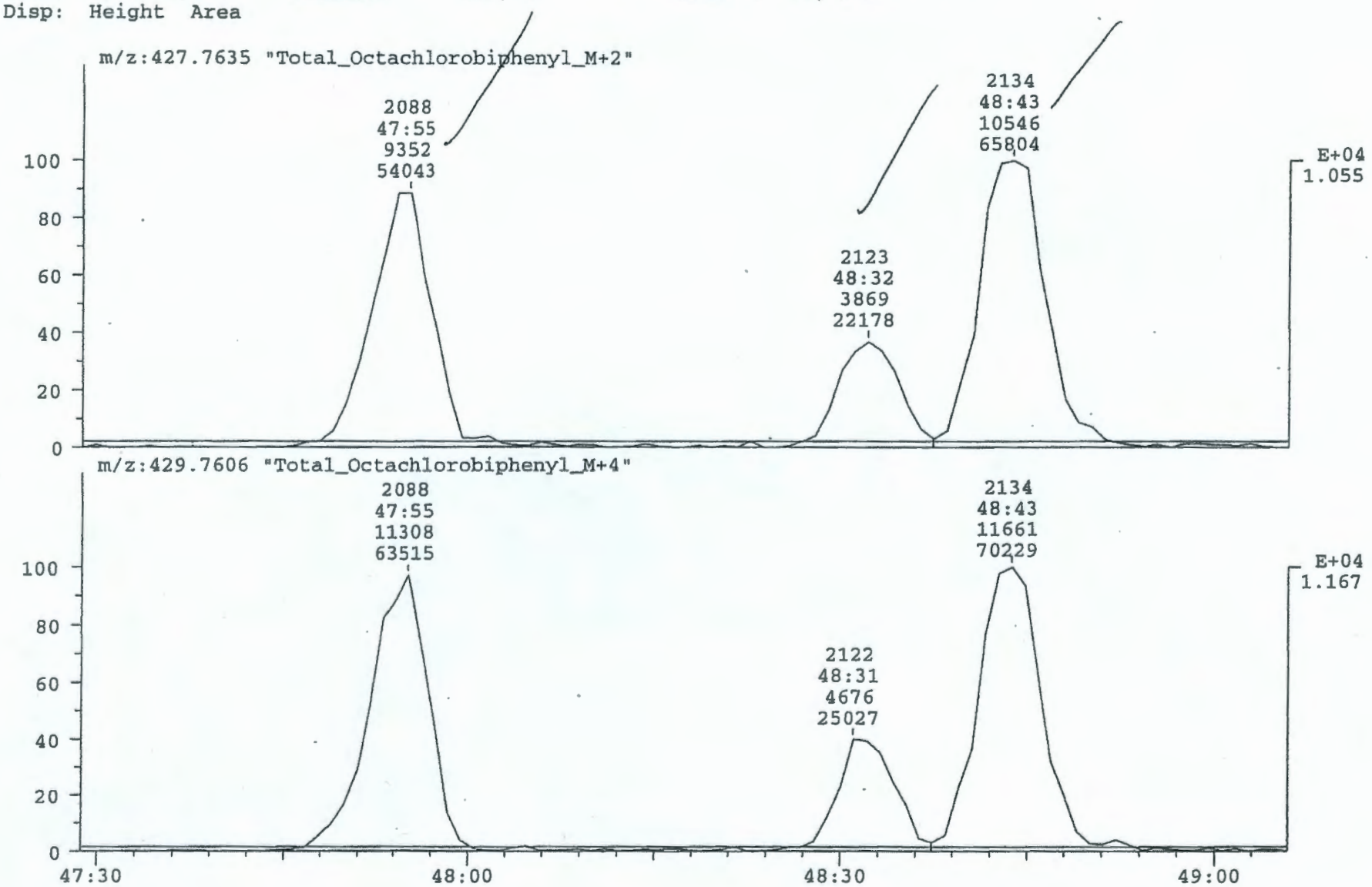
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  52:39      2353
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   2319 > 2388         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



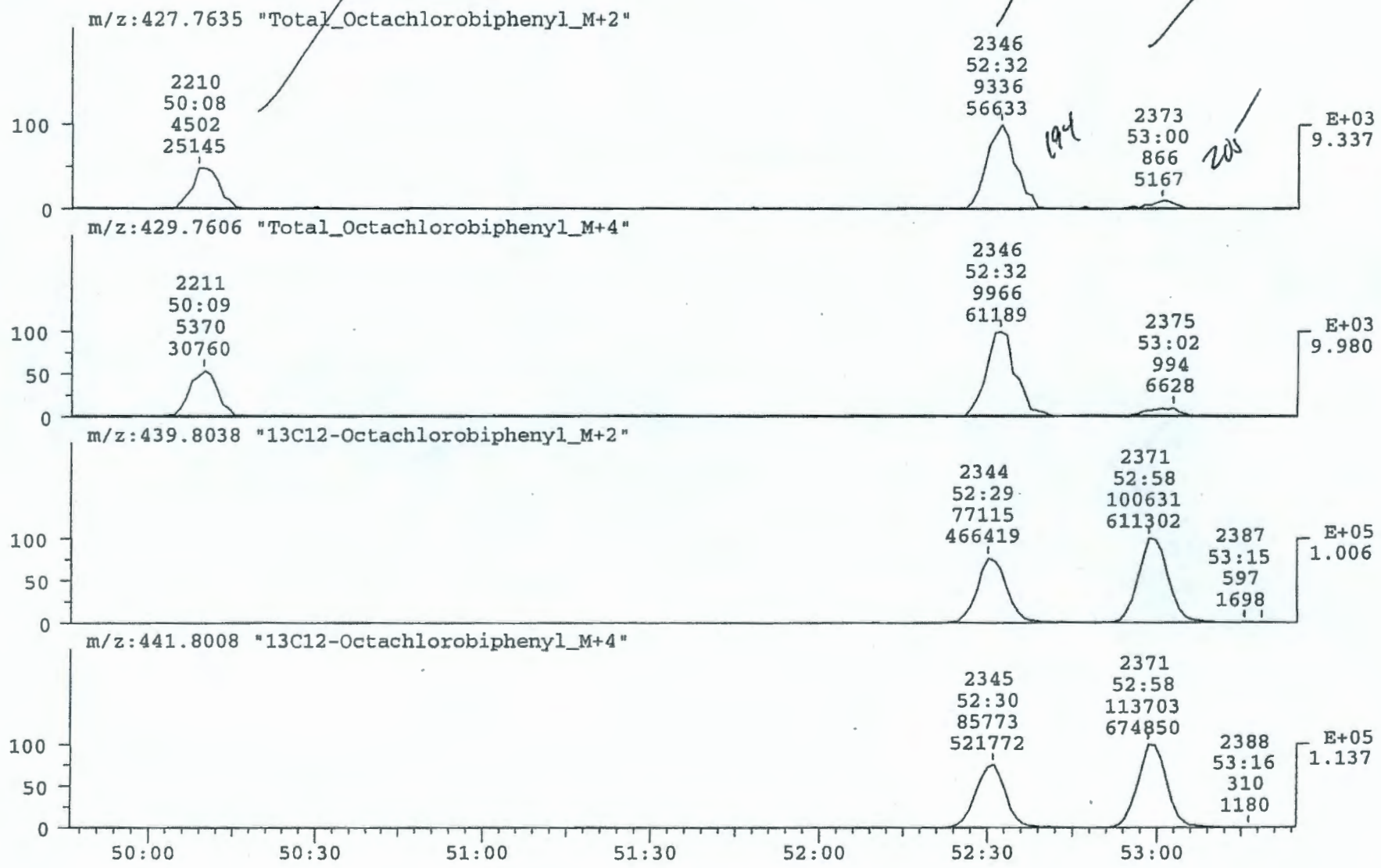
CHRO: apj64jqx 28-Sep-07 Elapse: 50:26 2227
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 1790 > 1946 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



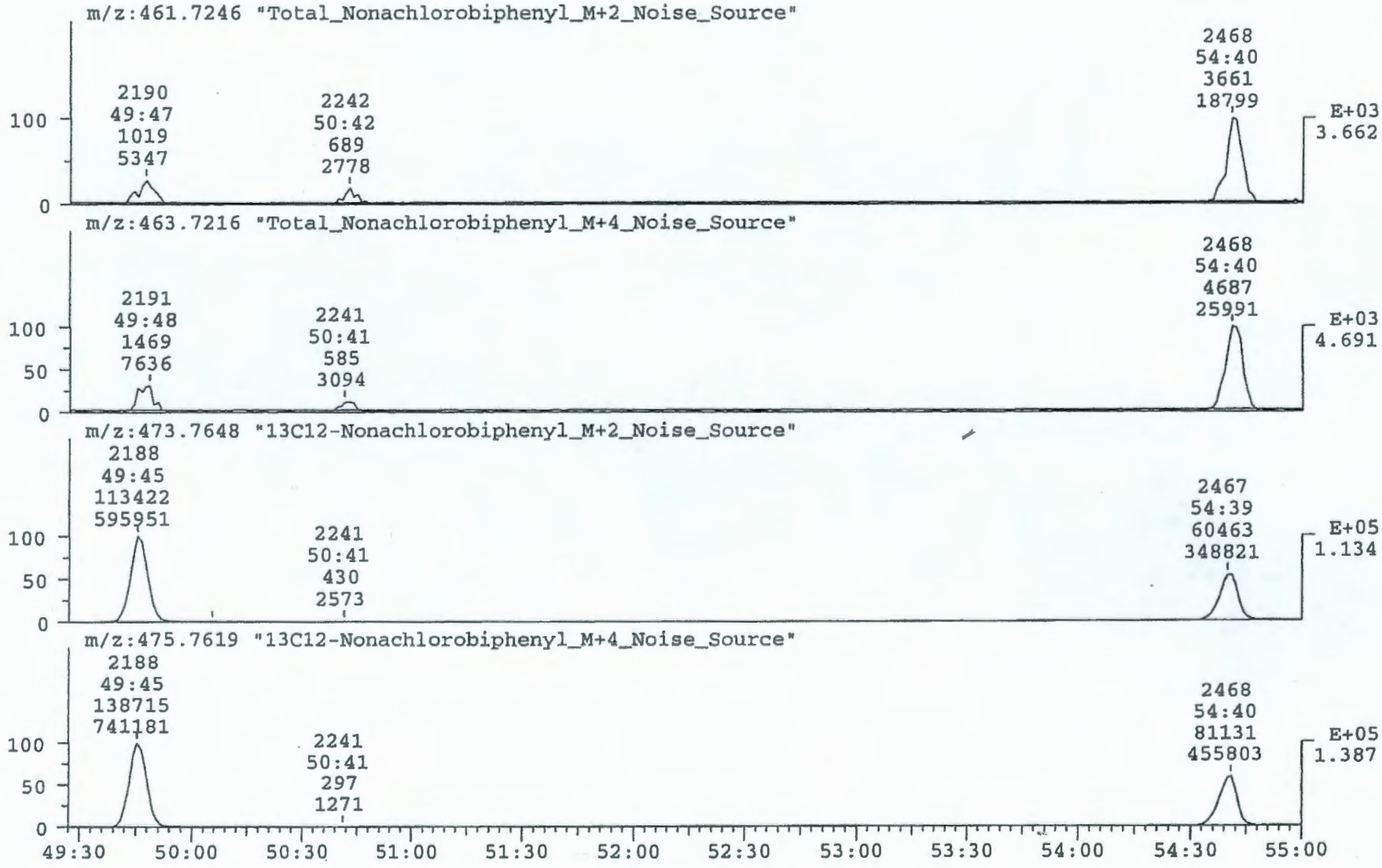
CHRO: apj64jqx 28-Sep-07 Elapse: 50:26 2227
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 2063 > 2155 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



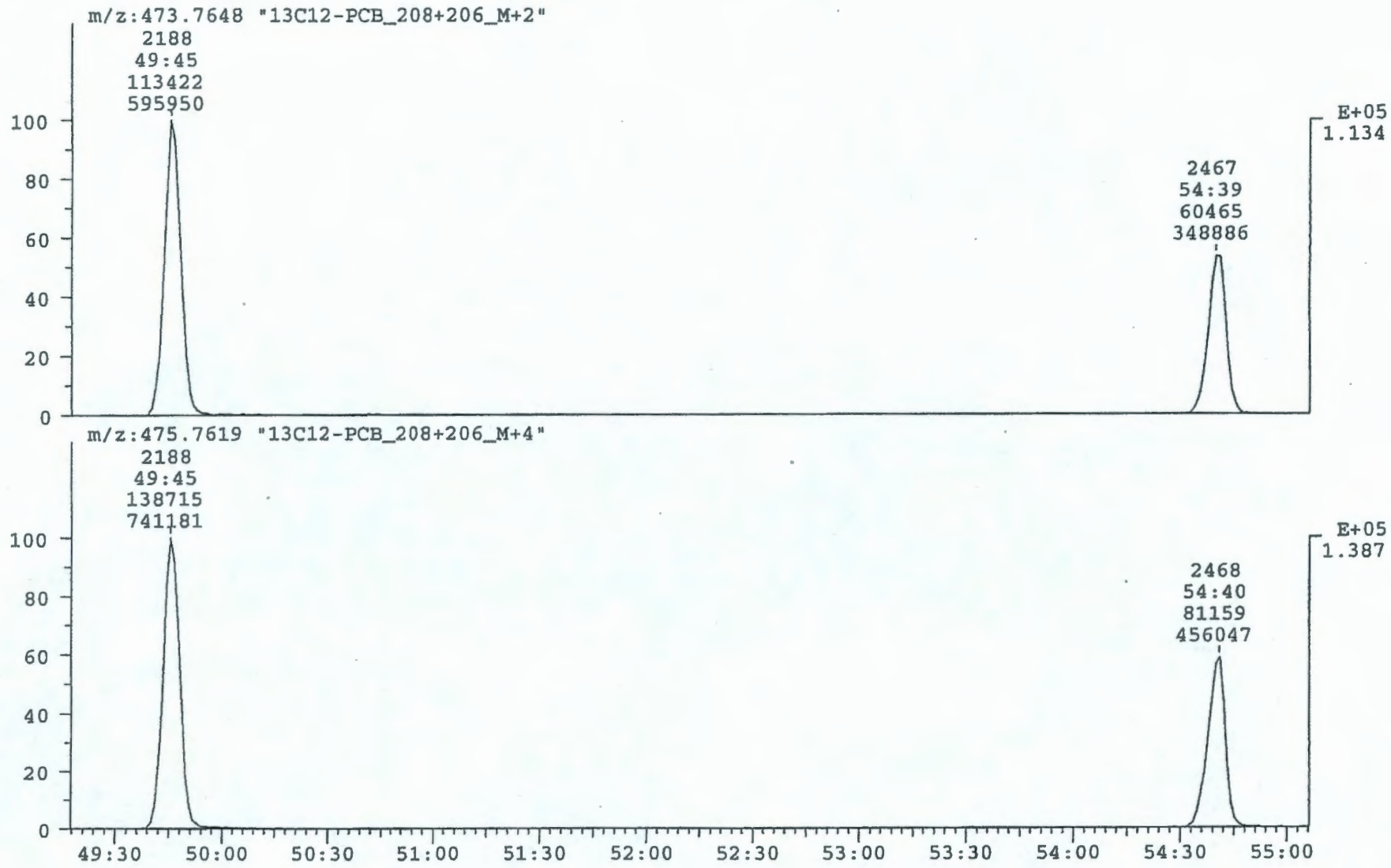
CHRO: apj64jqx 28-Sep-07 Elapse: 50:26 2227
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 2189 > 2396 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



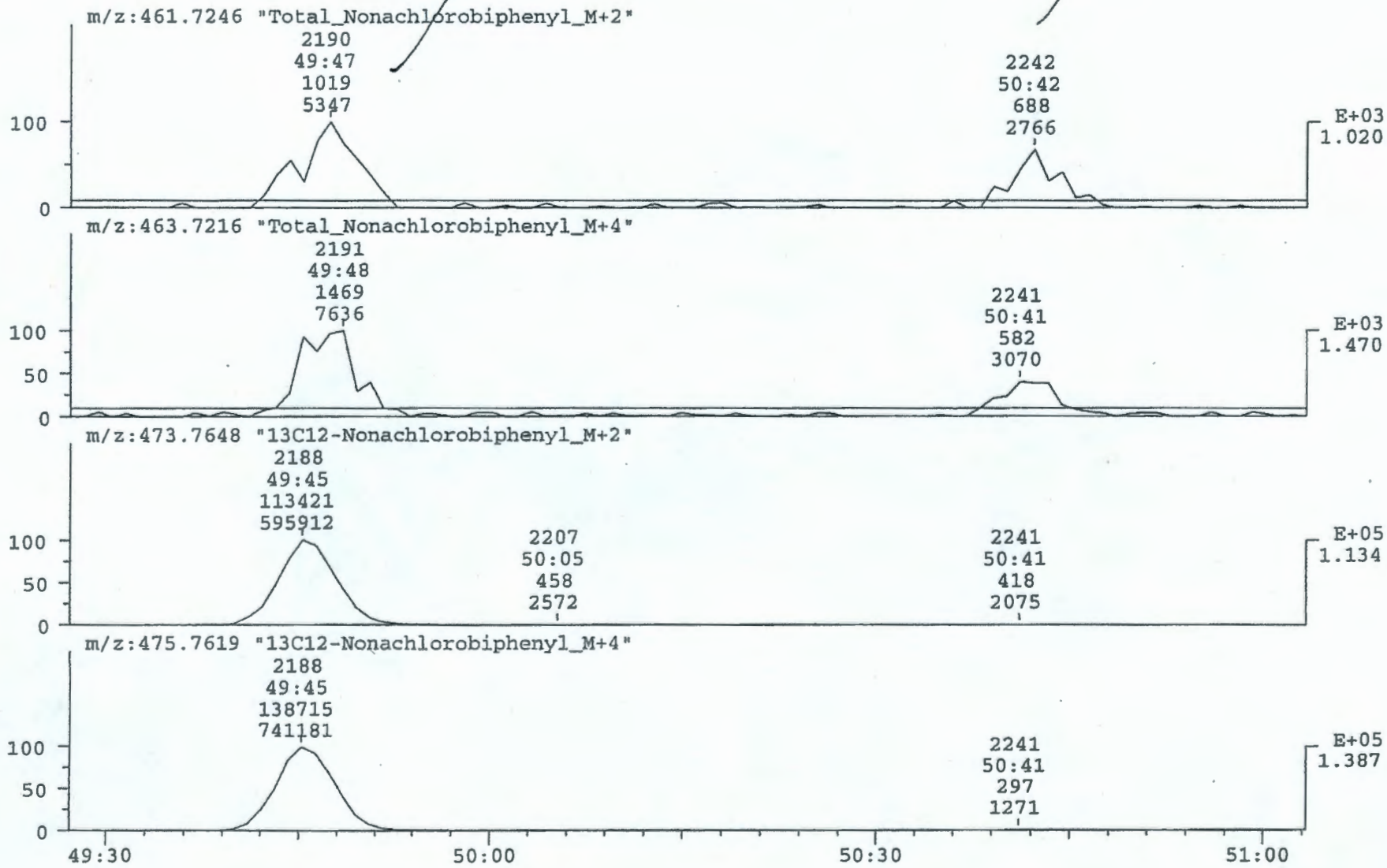
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  52:13      2328
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   2171 > 2486         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



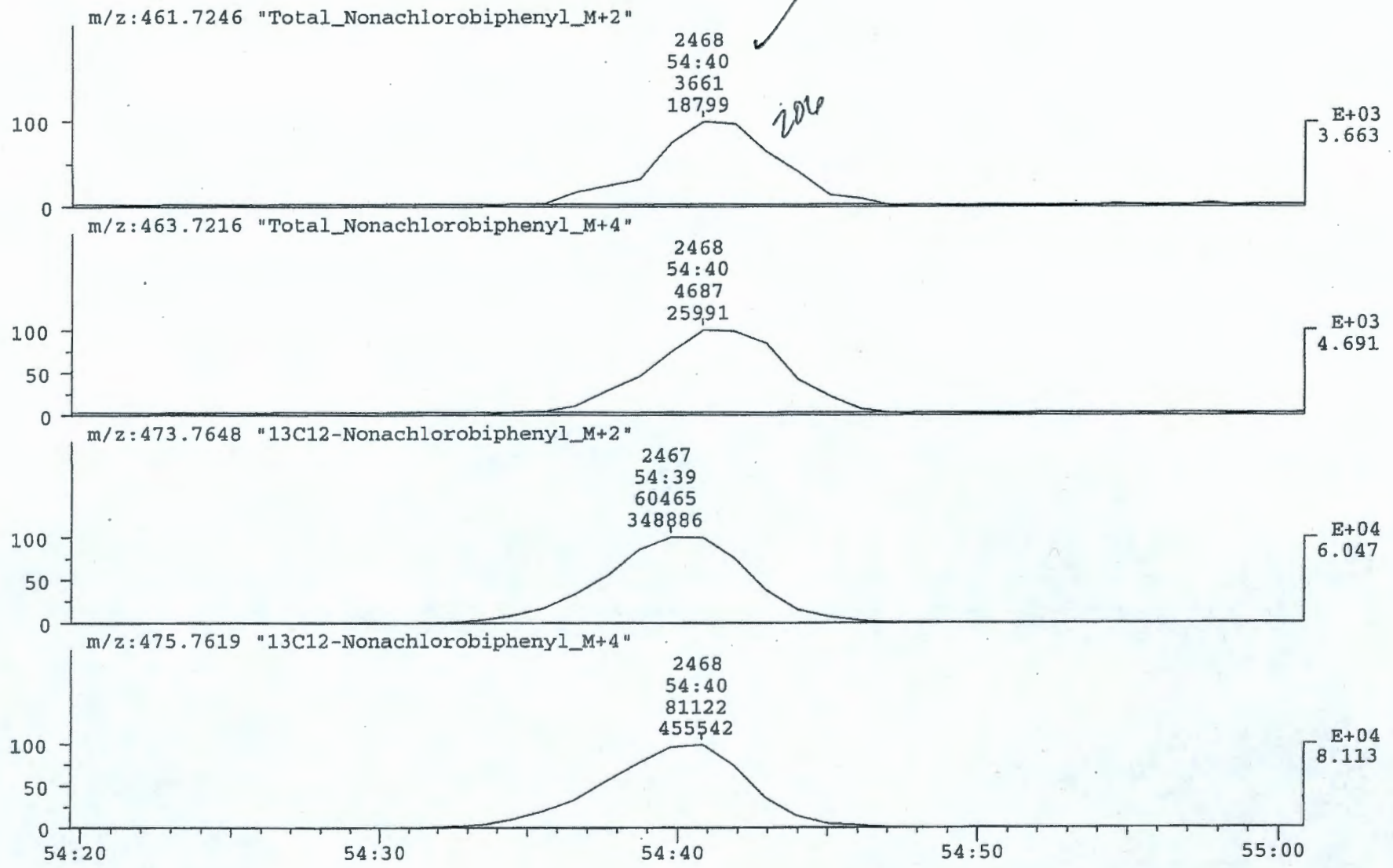
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  52:11      2327
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   2162 > 2492         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



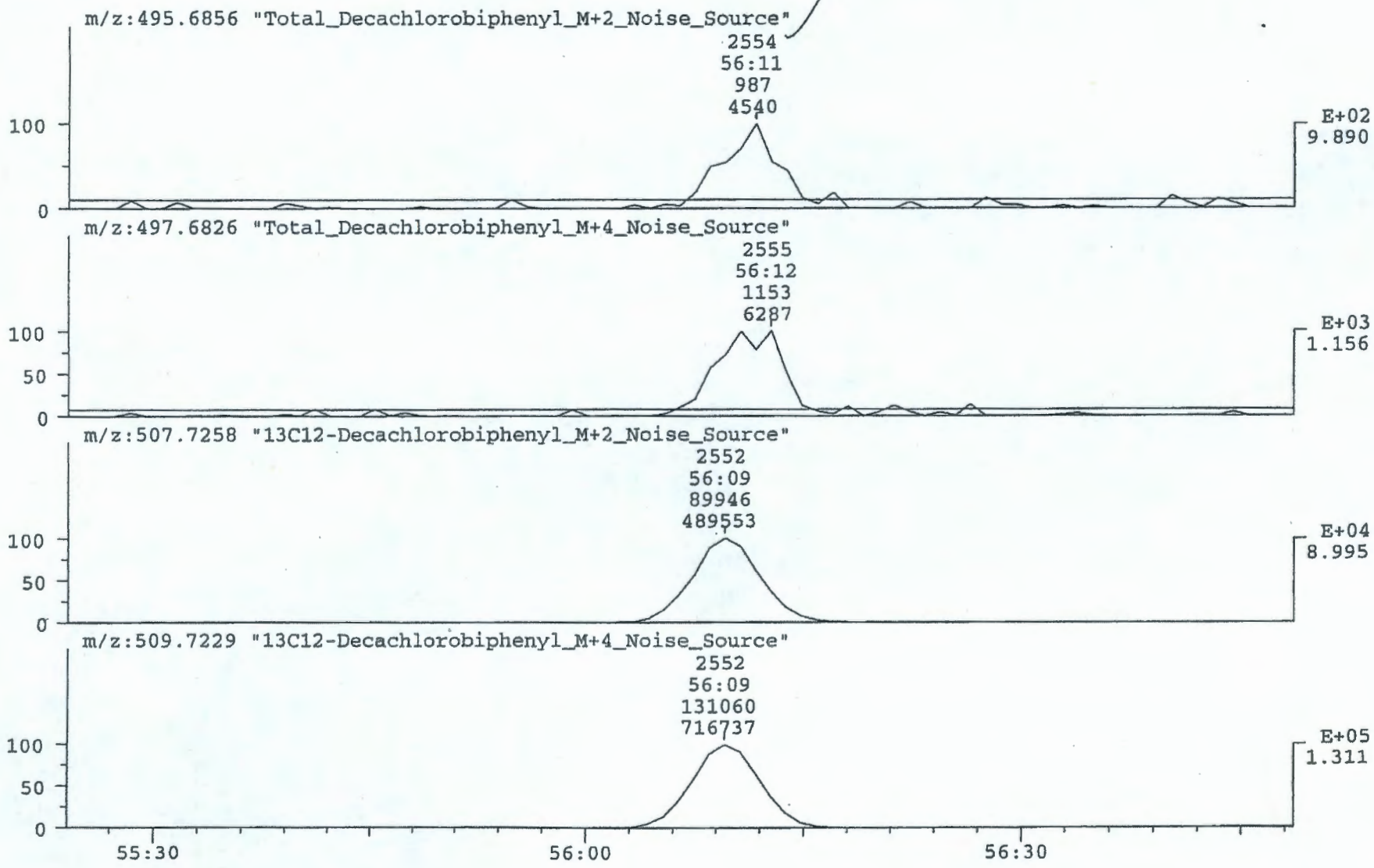
CHRO: apj64jqx 28-Sep-07 Elapse: 50:26 2227
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 2171 > 2262 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



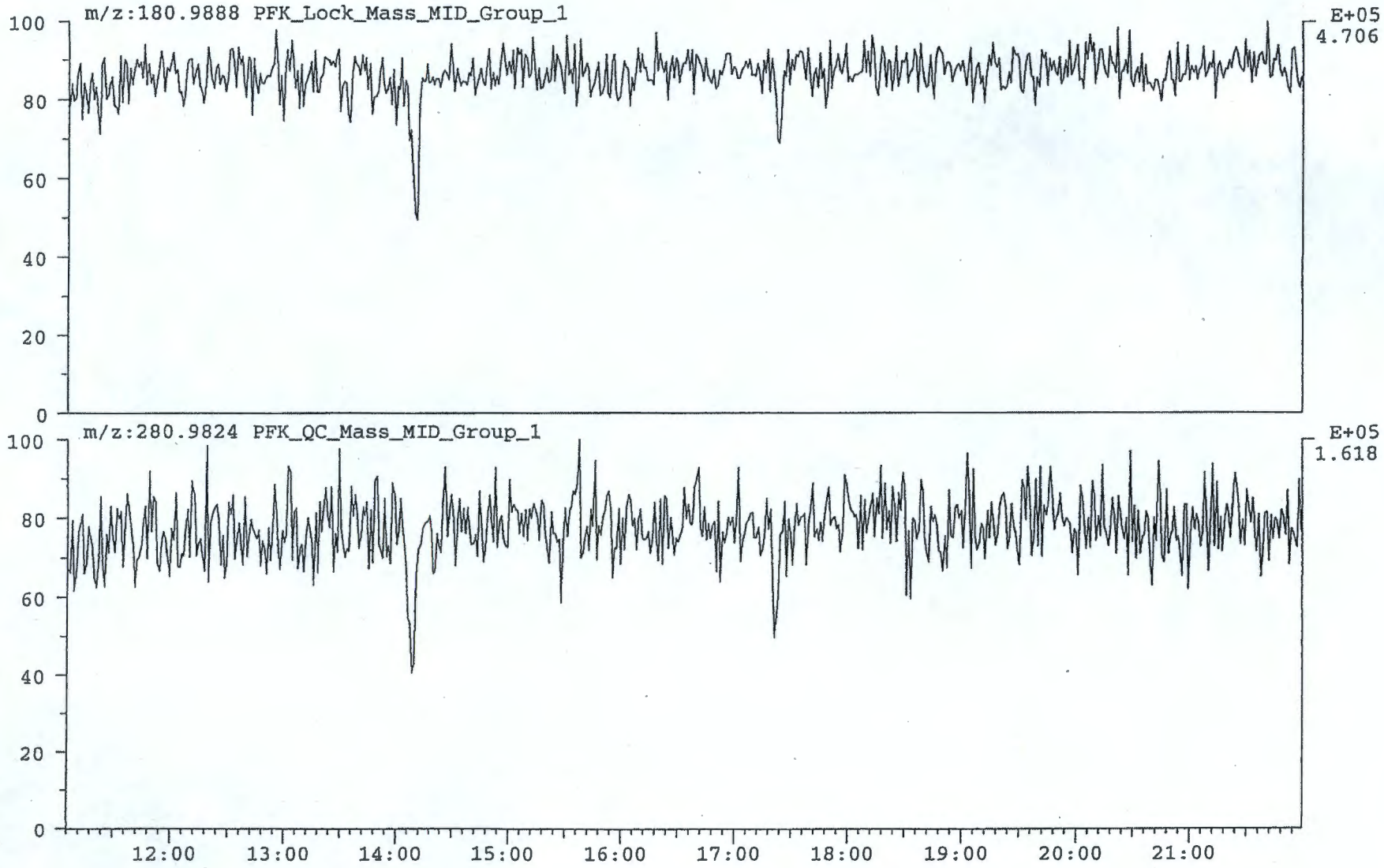
CHRO: apj64jqx 28-Sep-07 Elapse: 50:26 2227
Samp: Vial 34 WO=j64jq1ac Meth=IE5 Dil=1 Start : 18:13:45 2601
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (9.0g)
Oper: DCG Client: H7I180256-001Dup Inlet : GC Vial 34
Peak: 100.00 ppm Label wndw: 2448 > 2487 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



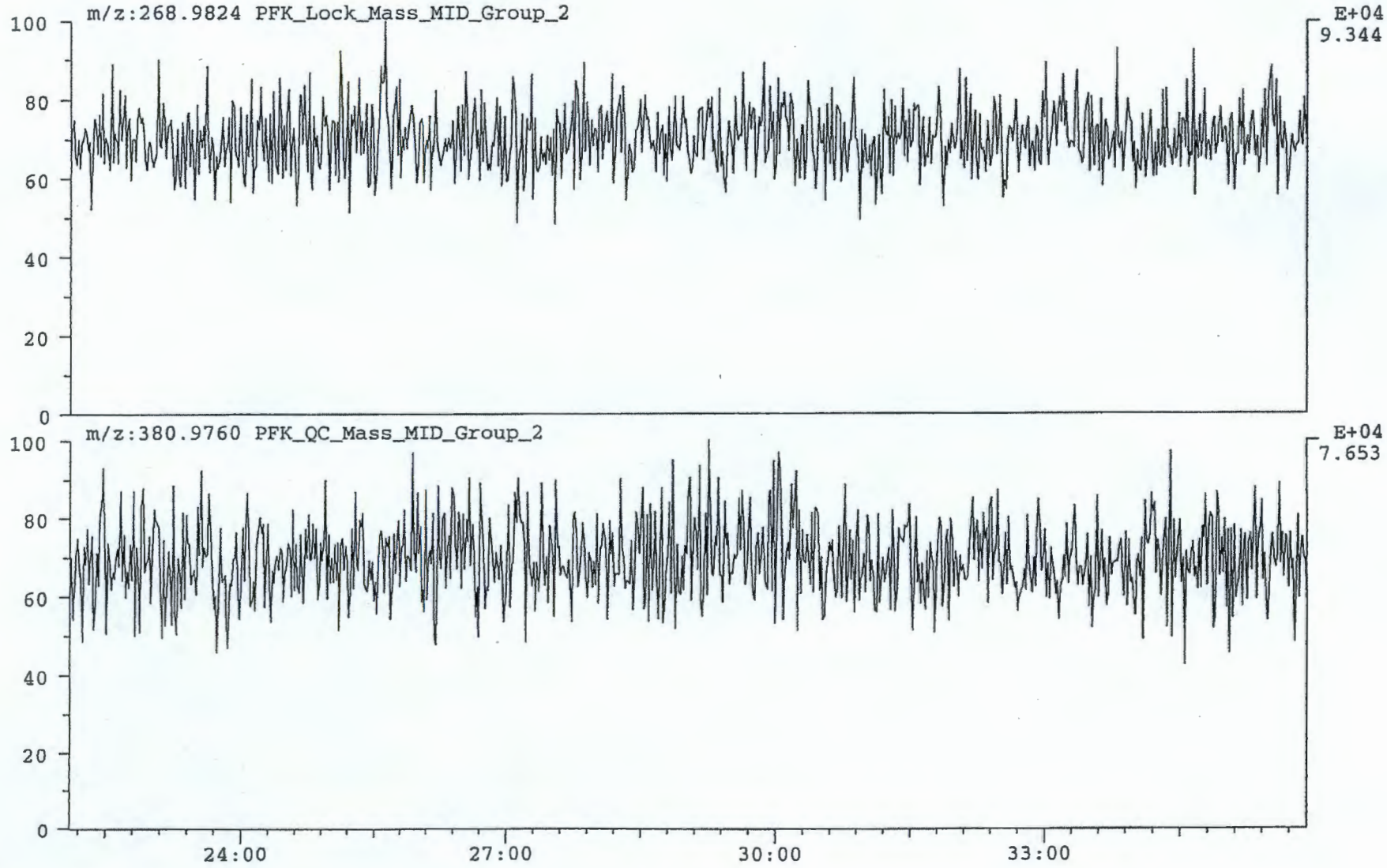
```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  56:11      2554
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm      Label wndw:   2509 > 2589          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



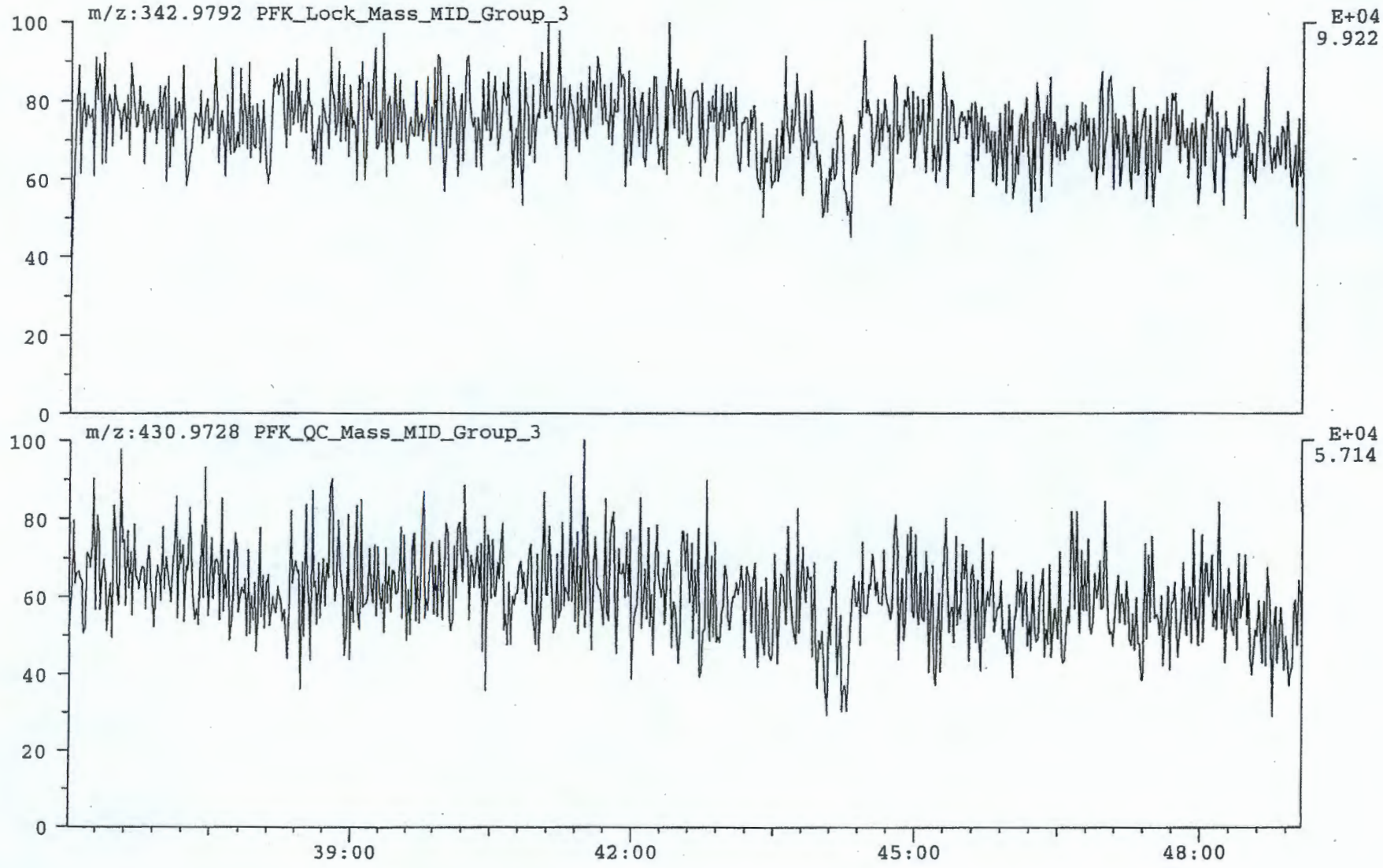
```
CHRO:  apj64jqx                              28-Sep-07   Elapse:  56:11      2554
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001Dup            Inlet :  GC     Vial  34
Peak:  100.00  ppm     Label wndw:   6 > 623             Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  0, 0.0
Disp:  Height  Area
```



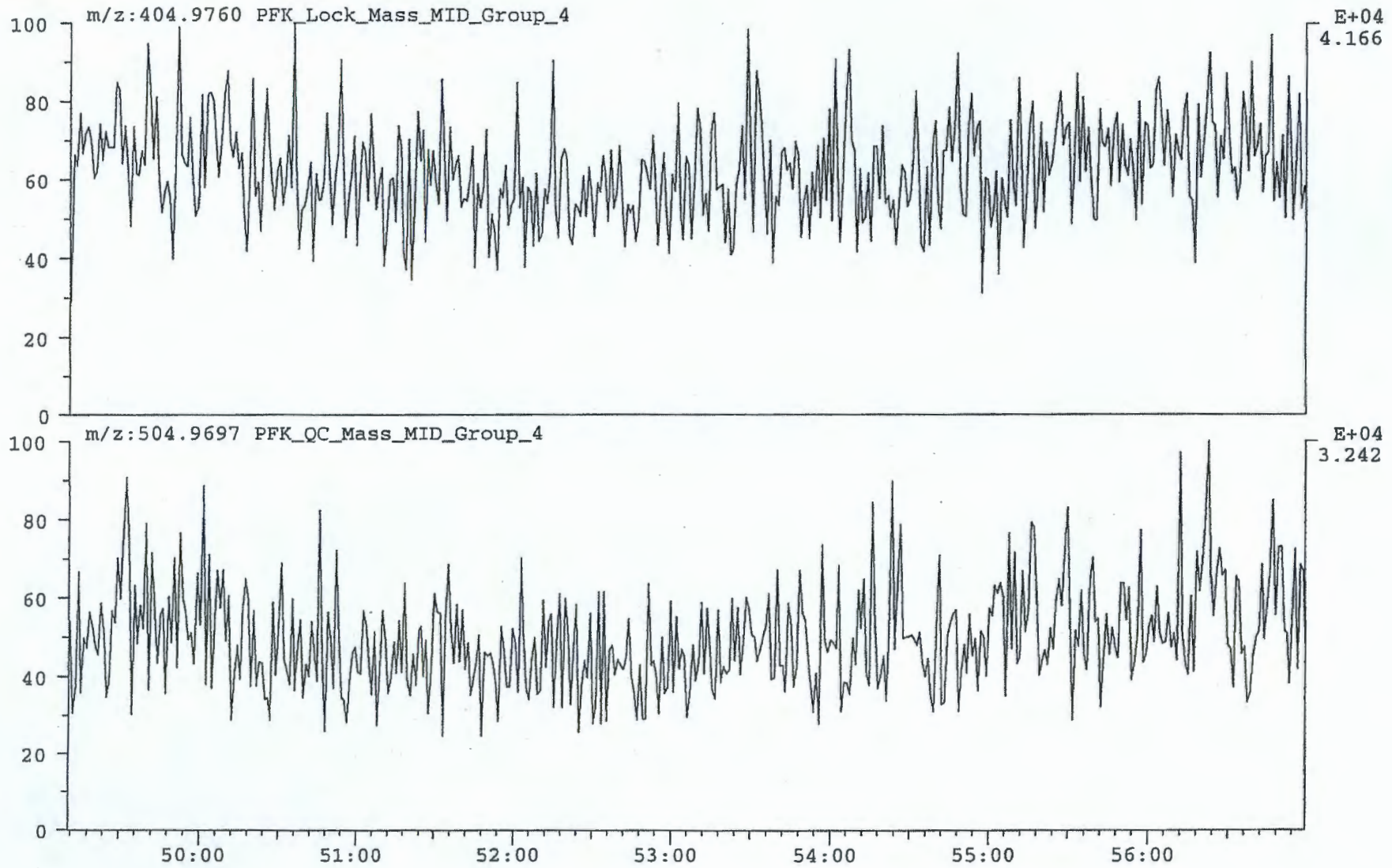
```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  56:11      2554
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup           Inlet :  GC     Vial 34
Peak:  100.00  ppm      Label wndw:   625 > 1409          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  0, 0.0
Disp:  Height  Area
```



```
CHRO:  apj64jqx                                28-Sep-07  Elapse:  56:11      2554
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                 Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (9.0g)
Oper:  DCG          Client:  H7I180256-001Dup             Inlet :  GC     Vial 34
Peak:  100.00  ppm     Label wndw:  1412 > 2153           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :  100, 3                Label :  0, 0.0
Disp:  Height  Area
```



```
CHRO:  apj64jqx                                28-Sep-07   Elapse:  56:11      2554
Samp:  Vial 34 WO=j64jq1ac Meth=IE5 Dil=1                  Start :  18:13:45   2601
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (9.0g)
Oper:  DCG            Client:  H7I180256-001Dup            Inlet :  GC     Vial 34
Peak:  100.00  ppm      Label wndw:   2156 > 2599          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  0, 0.0
Disp:  Height  Area
```



Instrument internet name - mat95
Instrument model - MAT 95
Instrument serial number - 000000
Workstation internet name - icis1ms
ICIS Version 8.2.1

ICL Version: 10.710
File name: apj64jqx
Study: 7264161 (9.0g)
Sample: WO=j64jq1ac Meth=IE5 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: H7I180256-001Dup
Comments: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Injected volume: 2.00
Sample from Vial 34
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 3 of list 070928
ICL procedure: sleep7x
MID procedure: epa1668

MID Remarks: EPA 1668 - 209 PCBs- 2m/z's - 6/29/05

Mid Set Up Parameter:

Measure/lock ratio	1
Damping Relay	FALSE
Width first lock	0.10 amu
Electric jump time	10 ms
Magnetic jump time	60 ms
Offset	75 cts
Electric range	300 %
Sweep peak width	3.00
MID mode	Lock mode
Acq mode	Cent mode

Mid Time Windows:

	Start	Measure	End	Cycletime
# 1	11:00 min	11:00 min	22:00 min	1.00 sec
# 2	22:00 min	13:55 min	35:55 min	1.00 sec
# 3	35:55 min	13:10 min	49:05 min	1.00 sec
# 4	49:05 min	7:55 min	57:00 min	1.00 sec

Mid Masses:
Window # 1

mass	F	int	gr	time (ms)
180.9888	1	10	1	4.10
188.0393		1	1	47.79
190.0363		1	1	47.79
200.0795		1	1	47.79
202.0766		1	1	47.79
222.0003		1	1	47.79
223.9974		1	1	47.79
234.0406		1	1	47.79
236.0376		1	1	47.79
255.9613		1	1	47.79
257.9584		1	1	47.79
268.0016		1	1	47.79
269.9986		1	1	47.79
280.9824	c	10	1	4.10
289.9224		1	1	47.79
291.9194		1	1	47.79
301.9626		1	1	47.79
303.9597		1	1	47.79

Window # 2

mass	F	int	gr	time (ms)
255.9613		1	1	47.79
257.9584		1	1	47.79
268.0016		1	1	47.79
268.9824	1	10	1	4.10
269.9986		1	1	47.79
289.9224		1	1	47.79
291.9194		1	1	47.79
301.9626		1	1	47.79
303.9597		1	1	47.79
325.8804		1	1	47.79
327.8775		1	1	47.79
337.9207		1	1	47.79
339.9178		1	1	47.79
359.8415		1	1	47.79
361.8385		1	1	47.79
371.8817		1	1	47.79
373.8788		1	1	47.79
380.9760	c	10	1	4.10

Window # 3

mass	F	int	gr	time (ms)
325.8804		1	1	47.79
327.8775		1	1	47.79
337.9207		1	1	47.79
339.9178		1	1	47.79
342.9792	1	10	1	4.10
359.8415		1	1	47.79
361.8385		1	1	47.79
371.8817		1	1	47.79
373.8788		1	1	47.79
393.8025		1	1	47.79
395.7995		1	1	47.79
405.8428		1	1	47.79
407.8398		1	1	47.79
427.7635		1	1	47.79
429.7606		1	1	47.79
430.9728	c	10	1	4.10
439.8038		1	1	47.79
441.8008		1	1	47.79

Window # 4

mass	F	int	gr	time (ms)
393.8025		1	1	47.79
395.7995		1	1	47.79
404.9760	1	10	1	4.10
405.8428		1	1	47.79
407.8398		1	1	47.79
427.7635		1	1	47.79
429.7606		1	1	47.79
439.8038		1	1	47.79
441.8008		1	1	47.79
461.7246		1	1	47.79
463.7216		1	1	47.79
473.7648		1	1	47.79
475.7619		1	1	47.79
495.6856		1	1	47.79
497.6826		1	1	47.79
504.9697	c	10	1	4.10
507.7258		1	1	47.79
509.7229		1	1	47.79

Auto Sampler descriptor: 2ul
Normal Injection
Injector A
Slvnt A cln before inj (K): 3 times
Slvnt B cln before inj (L): 0 times

Sample rinse cycles	(R):	0	times
Syringe filling volume	(F):	1.0	ul
Pullup delay time	(D):	4	sec
Sample pullup count	(P):	2	times
Sample pullup speed	(E):	5.0	ul/sec
Slvnt aftr pre inj cln	(U):	0.0	ul
Air after pre inj cln	(G):	2.0	ul
Sample volume	(V):	2.0	ul
Sample air volume	(A):	2.0	ul
Injection speed	(S):	10.0	ul/sec
Pre Inj. wait time	(W):	10	sec
Post Inj. hold time	(H):	3	sec
Solvent A clean cycles	(C):	15	times
Solvent B clean cycles	(B):	0	times
Loop clean w slvnt A	(LC):	0	times
Loop clean w slvnt B	(LB):	0	times
Standard sample volume	(X):	0.0	ul
Standard air volume	(Y):	0.0	ul
2nd Injection volume	(I):	0.0	ul
Air volume of 2nd inj	(J):	0.0	ul
Time btwn 2 injections	(T):	0	sec

GC descriptor : epa1668

Injector:	270 deg		270 deg max
Transfer Line:	280 deg		280 deg max
Column:	75 deg at	0.0 minutes	280 deg max
	75 deg at	2.0 minutes	
	150 deg at	7.0 minutes	
	270 deg at	55.0 minutes	
	270 deg at	57.0 minutes	

Inlet : Splitless mode
Purge time 1.5 min
Purge flow 40.0 ml/min
Gas saver is on
Saver time 3.0 min
Saver flow 15.0 ml/min
Column : Constant Flow 1.0 ml
Stabilize time 0.5 minutes

ICL Parameters

BCORRL	0.0150	BCORRS	0.0110	BCURR	16383.0000
BDEV	16383.0000	BFM	2.0000	BLM	1034.0919
BMASS	180.4888	BQUAD	0.0000	CAPIL	0.0000
CAPTEMP	359.9988	CAPTSET	200.0000	CCURR	3.6471
CORONA	0.0000	CYCLE	0.0000	DELAY	0.0000
DITEMP	0.1954	DITSET	0.0000	DRAW	-16.9500
DRAWC	1.0000	DRAWS	-0.0050	ECORR	0.9991
ECURR	1.0000	EDAC	7969177.0000	EDACG	1.0003
EDACR	23.0000	EDACZ	-2255.0000	ELEN	56.3500
EMULT	2.3000	ENS	163.0000	ERATIO	1.0000
ESA	763.8000	ESICUR	10.0011	ESIPAR	0.0000
EXS	151.0000	FDMA	18000000.0000	FLENS	1.0000
FM	20.0000	FMII	50.0000	FQUAD	0.0000
FREQ	300.4808	FSLOPE	54000000.0000	FVANAL	297.0000
FVINLET	288.0000	FVSRC	947.0000	FWIN	0.7000
GCTC	218.0000	GCTI	270.0000	GCTL	280.0000
HACCU	208.0000	HCURR	1.5294	HVANAL	1334.0000
HVSRC	0.0000	ICAL0	0.0011	ICAL1	0.4030
ICAL2	0.5865	IONEN	4771.6680	IST	269.8026
ISTC	0.0000	ISTCKP	5.0000	ISTCTD	1.0000
ISTCTN	2.0000	ISTCTS	60.0000	ISTCTV	3.0000
ISTS	270.0000	LENS	1401.0000	LENSS	71.8000
LKM	404.9760	LM	800.0000	LMASS	180.4888
LMII	500.0000	MASS	180.4888	MDAC	2343625.4487

MDACR	23.0000	MRANGE	1034.0919	MSFM	2.0000
MSLM	3790.0000	NPEAK	1.0000	NSAM	100.0000
NSCAN	1.0000	NSMAX	8.0000	NSMIN	2.0000
OCT	-2.0000	PSAM	10.0000	PUSHER	-7.5000
RDRAW	0.0000	RDRAWC	0.0000	RECURR	0.0000
RELEN	0.0000	RES	10643.8302	RFAMP	799.9987
RFCUR	100.0110	RPUSHER	0.0000	RWIN	2.0000
SACCU	3.0000	SCIDLE	1.0000	SHIELD	2456.0000
SHIELDS	0.0000	SHIGH	180.0000	SKIM	7.0000
SLOW	60.0000	SPRAY	8.0000	SS	3.0000
SW	0.0500	TANAL	420.7300	TCURR	0.7813
TD	1.0000	THRESH	5.0000	TIS	0.2000
TREF	150.0000	TS	1.6021	TSAM	200.0000
TSET	0.0000	TUBEL	0.0000	UOFS	5.0000
URATIO	1.9800	USERVAR	0.0000	VAPTEMP	599.9997
VAPTSET	400.0000	VMASS	180.4888	XLENS	2613.0000
XLENSS	-16.4000	YLENS	3698.0000	YLENSS	28.2000

Scantype is electric
Sourcemode is EI POS

Analysis started at: 28-Sep-07 18:13:45.5

Autosampler has injected sample from vial 34
MID Time Window 1: Resolution is 9049
MID Time Window 2: Resolution is 9607
MID Time Window 3: Resolution is 10086
MID Time Window 4: Resolution is 9204
Analysis stopped at: 28-Sep-07 19:10:48.9 (run time 57.04 minutes)
Analysis stopped because MID run finished

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 002	Work Order #....:	J64JX1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/12/07	Date Received....:	09/18/07	Dilution Factor:	1
Prep Date....:	09/21/07	Analysis Date....:	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0013	Q B J	0.010	0.00045	ng/g
PCB 2 (BZ)	ND		0.010	0.00050	ng/g
PCB 3 (BZ)	ND		0.010	0.00051	ng/g
PCB 4 (BZ)	0.0043	Q B J	0.020	0.0016	ng/g
PCB 5 (BZ)	ND		0.010	0.0014	ng/g
PCB 6 (BZ)	0.0026	Q B J	0.010	0.0013	ng/g
PCB 7 (BZ)	ND		0.010	0.0013	ng/g
PCB 8 (BZ)	0.0083	Q B J	0.020	0.0013	ng/g
PCB 9 (BZ)	ND		0.010	0.0013	ng/g
PCB 10 (BZ)	0.0011	Q B J	0.010	0.0014	ng/g
PCB 11 (BZ)	0.0053	Q B J	0.020	0.0013	ng/g
PCB 12 (BZ)	0.0017	Q B C J	0.010	0.0013	ng/g
PCB 13 (BZ)	0.0017	Q B C12 J	0.010	0.0013	ng/g
PCB 14 (BZ)	ND		0.010	0.0011	ng/g
PCB 15 (BZ)	0.0033	Q B J	0.010	0.0014	ng/g
PCB 16 (BZ)	0.011	Q	0.010	0.0014	ng/g
PCB 17 (BZ)	0.014	Q B	0.010	0.0013	ng/g
PCB 18 (BZ)	0.039	B	0.020	0.0013	ng/g
PCB 19 (BZ)	ND		0.010	0.0014	ng/g
PCB 20 (BZ)	0.096	B C	0.020	0.00084	ng/g
PCB 21 (BZ)	0.019	B C	0.010	0.00081	ng/g
PCB 22 (BZ)	0.028	B	0.010	0.00085	ng/g
PCB 23 (BZ)	ND		0.010	0.00086	ng/g
PCB 24 (BZ)	0.0011	Q J	0.010	0.00093	ng/g
PCB 25 (BZ)	0.0045	B J	0.010	0.00076	ng/g
PCB 26 (BZ)	0.012	B C	0.010	0.00082	ng/g
PCB 27 (BZ)	0.0025	Q J	0.010	0.00085	ng/g
PCB 28 (BZ)	0.096	B C20	0.020	0.00084	ng/g
PCB 29 (BZ)	0.012	B C26	0.010	0.00082	ng/g
PCB 30 (BZ)	ND		0.020	0.00089	ng/g
PCB 31 (BZ)	0.11	B	0.020	0.00081	ng/g
PCB 32 (BZ)	0.0067	J	0.010	0.00085	ng/g
PCB 33 (BZ)	0.019	B C21	0.010	0.00081	ng/g
PCB 34 (BZ)	ND		0.010	0.00085	ng/g
PCB 35 (BZ)	ND		0.010	0.00087	ng/g
PCB 36 (BZ)	ND		0.010	0.00081	ng/g

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 002	**Work Order #....:**	J64JX1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/12/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0059	J	0.010	0.00085	ng/g
PCB 38 (BZ)	ND		0.010	0.00083	ng/g
PCB 39 (BZ)	ND		0.010	0.00078	ng/g
PCB 40 (BZ)	0.035	Q C	0.010	0.0013	ng/g
PCB 41 (BZ)	0.0049	Q J	0.010	0.0017	ng/g
PCB 42 (BZ)	0.035		0.010	0.0014	ng/g
PCB 43 (BZ)	0.0055	Q C J	0.010	0.0012	ng/g
PCB 44 (BZ)	0.15	B C	0.010	0.0012	ng/g
PCB 45 (BZ)	0.0083	B C J	0.010	0.0014	ng/g
PCB 46 (BZ)	0.0017	Q J	0.010	0.0017	ng/g
PCB 47 (BZ)	0.15	B C44	0.010	0.0012	ng/g
PCB 48 (BZ)	0.029		0.010	0.0013	ng/g
PCB 49 (BZ)	0.22	B	0.010	0.0012	ng/g
PCB 50 (BZ)	0.0051	Q C J	0.010	0.0013	ng/g
PCB 51 (BZ)	0.0083	B C45 J	0.010	0.0014	ng/g
PCB 52 (BZ)	0.50	B	0.010	0.0013	ng/g
PCB 53 (BZ)	0.0051	Q C50 J	0.010	0.0013	ng/g
PCB 54 (BZ)	ND		0.010	0.0012	ng/g
PCB 55 (BZ)	0.018		0.010	0.0010	ng/g
PCB 56 (BZ)	0.091		0.010	0.00097	ng/g
PCB 57 (BZ)	0.0017	J	0.010	0.0010	ng/g
PCB 58 (BZ)	0.0068	J	0.010	0.00095	ng/g
PCB 59 (BZ)	0.016	B C	0.010	0.00092	ng/g
PCB 60 (BZ)	0.26		0.010	0.0010	ng/g
PCB 61 (BZ)	ND		0.020	0.0010	ng/g
PCB 62 (BZ)	0.016	B C59	0.010	0.00092	ng/g
PCB 63 (BZ)	0.058		0.010	0.00089	ng/g
PCB 64 (BZ)	0.27		0.010	0.00091	ng/g
PCB 65 (BZ)	0.15	B C44	0.010	0.0012	ng/g
PCB 66 (BZ)	1.5	B	0.010	0.00093	ng/g
PCB 67 (BZ)	0.0047	Q J	0.010	0.00093	ng/g
PCB 68 (BZ)	0.0037	J	0.010	0.00090	ng/g
PCB 69 (BZ)	ND		0.010	0.0010	ng/g
PCB 70 (BZ)	1.3	B C	0.020	0.00091	ng/g
PCB 71 (BZ)	0.035	Q C40	0.010	0.0013	ng/g
PCB 72 (BZ)	0.0095	J	0.010	0.00095	ng/g

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 002	Work Order #....:	J64JX1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/12/07	Date Received....:	09/18/07	Dilution Factor:	1
Prep Date....:	09/21/07	Analysis Date....:	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0055	Q C43 J	0.010	0.0012	ng/g
PCB 74 (BZ)	1.3	B C70	0.020	0.00091	ng/g
PCB 75 (BZ)	0.016	B C59	0.010	0.00092	ng/g
PCB 76 (BZ)	1.3	B C70	0.020	0.00091	ng/g
PCB 77 (BZ)	0.017	Q	0.010	0.00099	ng/g
PCB 78 (BZ)	ND		0.010	0.0010	ng/g
PCB 79 (BZ)	ND		0.010	0.00087	ng/g
PCB 80 (BZ)	ND		0.010	0.00084	ng/g
PCB 81 (BZ)	ND		0.010	0.00091	ng/g
PCB 82 (BZ)	0.020	Q	0.010	0.0023	ng/g
PCB 83 (BZ)	0.85	C	0.010	0.0018	ng/g
PCB 84 (BZ)	0.032		0.010	0.0020	ng/g
PCB 85 (BZ)	0.42	C	0.010	0.0014	ng/g
PCB 86 (BZ)	0.51	B C	0.010	0.0014	ng/g
PCB 87 (BZ)	0.51	B C86	0.010	0.0014	ng/g
PCB 88 (BZ)	ND		0.010	0.0019	ng/g
PCB 89 (BZ)	ND		0.010	0.0019	ng/g
PCB 90 (BZ)	1.0	B C	0.010	0.0014	ng/g
PCB 91 (BZ)	0.038		0.010	0.0016	ng/g
PCB 92 (BZ)	0.28		0.010	0.0018	ng/g
PCB 93 (BZ)	ND		0.010	0.0020	ng/g
PCB 94 (BZ)	ND		0.010	0.0020	ng/g
PCB 95 (BZ)	0.20	B C	0.010	0.0016	ng/g
PCB 96 (BZ)	ND		0.010	0.0014	ng/g
PCB 97 (BZ)	0.51	B C86	0.010	0.0014	ng/g
PCB 98 (BZ)	0.0038	Q C J	0.010	0.0017	ng/g
PCB 99 (BZ)	0.85	C83	0.010	0.0018	ng/g
PCB 100 (BZ)	0.20	B C95	0.010	0.0016	ng/g
PCB 101 (BZ)	1.0	B C90	0.010	0.0014	ng/g
PCB 102 (BZ)	0.0038	Q C98 J	0.010	0.0017	ng/g
PCB 103 (BZ)	0.0035	J	0.010	0.0016	ng/g
PCB 104 (BZ)	ND		0.010	0.0012	ng/g
PCB 105 (BZ)	1.1		0.010	0.0012	ng/g
PCB 106 (BZ)	ND		0.010	0.0013	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.19		0.010	0.0013	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.049	C	0.010	0.0012	ng/g

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 002	**Work Order #....:**	J64JX1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/12/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.51	B C86	0.010	0.0014	ng/g
PCB 110 (BZ)	1.2	B C	0.010	0.0012	ng/g
PCB 111 (BZ)	0.0020	Q J	0.010	0.0012	ng/g
PCB 112 (BZ)	ND		0.010	0.0013	ng/g
PCB 113 (BZ)	1.0	B C90	0.010	0.0014	ng/g
PCB 114 (BZ)	0.060		0.010	0.0011	ng/g
PCB 115 (BZ)	1.2	B C110	0.010	0.0012	ng/g
PCB 116 (BZ)	0.42	C85	0.010	0.0014	ng/g
PCB 117 (BZ)	0.42	C85	0.010	0.0014	ng/g
PCB 118 (BZ)	2.7	B	0.010	0.0012	ng/g
PCB 119 (BZ)	0.51	B C86	0.010	0.0014	ng/g
PCB 120 (BZ)	0.010		0.010	0.0012	ng/g
PCB 121 (BZ)	ND		0.010	0.0013	ng/g
PCB 122 (BZ)	0.0078	Q J	0.010	0.0013	ng/g
PCB 123 (BZ)	0.043	Q	0.010	0.0012	ng/g
PCB 124 (BZ)	0.049	C108	0.010	0.0012	ng/g
PCB 125 (BZ)	0.51	B C86	0.010	0.0014	ng/g
PCB 126 (BZ)	0.017	Q	0.010	0.0014	ng/g
PCB 127 (BZ)	0.0031	Q J	0.010	0.0012	ng/g
PCB 128 (BZ)	0.53		0.010	0.0026	ng/g
PCB 129 (BZ)	3.0	B C	0.010	0.0021	ng/g
PCB 130 (BZ)	0.079		0.010	0.0028	ng/g
PCB 131 (BZ)	0.0052	J	0.010	0.0028	ng/g
PCB 132 (BZ)	0.070		0.010	0.0028	ng/g
PCB 133 (BZ)	0.045		0.010	0.0026	ng/g
PCB 134 (BZ)	0.013	Q C	0.010	0.0028	ng/g
PCB 135 (BZ)	0.24	C	0.010	0.0017	ng/g
PCB 136 (BZ)	0.035		0.010	0.0014	ng/g
PCB 137 (BZ)	0.099		0.010	0.0024	ng/g
PCB 138 (BZ)	3.0	B C129	0.010	0.0021	ng/g
PCB 139 (BZ)	0.030	C	0.010	0.0023	ng/g
PCB 140 (BZ)	0.030	C139	0.010	0.0023	ng/g
PCB 141 (BZ)	0.22		0.010	0.0026	ng/g
PCB 142 (BZ)	ND		0.010	0.0027	ng/g
PCB 143 (BZ)	0.013	Q C134	0.010	0.0028	ng/g
PCB 144 (BZ)	0.026		0.010	0.0018	ng/g

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 002	Work Order #....:	J64JX1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/12/07	Date Received....:	09/18/07	Dilution Factor:	1
Prep Date....:	09/21/07	Analysis Date....:	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.010	0.0013	ng/g
PCB 146 (BZ)	0.36		0.010	0.0023	ng/g
PCB 147 (BZ)	0.16	B C	0.010	0.0023	ng/g
PCB 148 (BZ)	ND		0.010	0.0018	ng/g
PCB 149 (BZ)	0.16	B C147	0.010	0.0023	ng/g
PCB 150 (BZ)	ND		0.010	0.0013	ng/g
PCB 151 (BZ)	0.24	C135	0.010	0.0017	ng/g
PCB 152 (BZ)	ND		0.010	0.0013	ng/g
PCB 153 (BZ)	2.5	B C	0.010	0.0018	ng/g
PCB 154 (BZ)	0.24	C135	0.010	0.0017	ng/g
PCB 155 (BZ)	ND		0.010	0.0012	ng/g
PCB 156 (BZ)	0.18	C	0.010	0.0023	ng/g
PCB 157 (BZ)	0.18	C156	0.010	0.0023	ng/g
PCB 158 (BZ)	0.21		0.010	0.0017	ng/g
PCB 159 (BZ)	ND		0.010	0.0018	ng/g
PCB 160 (BZ)	3.0	B C129	0.010	0.0021	ng/g
PCB 161 (BZ)	ND		0.010	0.0018	ng/g
PCB 162 (BZ)	0.011	Q	0.010	0.0018	ng/g
PCB 163 (BZ)	3.0	B C129	0.010	0.0021	ng/g
PCB 164 (BZ)	0.085		0.010	0.0019	ng/g
PCB 165 (BZ)	ND		0.010	0.0020	ng/g
PCB 166 (BZ)	0.013	Q	0.010	0.0018	ng/g
PCB 167 (BZ)	0.069		0.010	0.0012	ng/g
PCB 168 (BZ)	2.5	B C153	0.010	0.0018	ng/g
PCB 169 (BZ)	ND		0.010	0.0014	ng/g
PCB 170 (BZ)	0.19		0.010	0.0027	ng/g
PCB 171 (BZ)	0.082	C	0.010	0.0018	ng/g
PCB 172 (BZ)	0.034		0.010	0.0017	ng/g
PCB 173 (BZ)	0.082	C171	0.010	0.0018	ng/g
PCB 174 (BZ)	0.028		0.010	0.0016	ng/g
PCB 175 (BZ)	0.0039	Q J	0.010	0.0016	ng/g
PCB 176 (BZ)	ND		0.010	0.0012	ng/g
PCB 177 (BZ)	0.045	Q	0.010	0.0017	ng/g
PCB 178 (BZ)	0.066		0.010	0.0016	ng/g
PCB 179 (BZ)	0.028		0.010	0.0012	ng/g
PCB 180 (BZ)	0.38	C	0.010	0.0013	ng/g

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 002	Work Order #....:	J64JX1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/12/07	Date Received....:	09/18/07	Dilution Factor:	1
Prep Date....:	09/21/07	Analysis Date....:	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	0.0038	J	0.010	0.0015	ng/g
PCB 182 (BZ)	ND		0.010	0.0015	ng/g
PCB 183 (BZ)	0.15		0.010	0.0015	ng/g
PCB 184 (BZ)	ND		0.010	0.0012	ng/g
PCB 185 (BZ)	0.017		0.010	0.0016	ng/g
PCB 186 (BZ)	ND		0.010	0.0012	ng/g
PCB 187 (BZ)	0.27		0.010	0.0015	ng/g
PCB 188 (BZ)	ND		0.010	0.00092	ng/g
PCB 189 (BZ)	0.0079	Q J	0.010	0.0015	ng/g
PCB 190 (BZ)	0.062		0.010	0.0012	ng/g
PCB 191 (BZ)	0.0098	Q J	0.010	0.0012	ng/g
PCB 192 (BZ)	ND		0.010	0.0013	ng/g
PCB 193 (BZ)	0.38	C180	0.010	0.0013	ng/g
PCB 194 (BZ)	0.061	Q	0.010	0.0016	ng/g
PCB 195 (BZ)	0.035		0.010	0.0017	ng/g
PCB 196 (BZ)	0.020		0.010	0.0011	ng/g
PCB 197 (BZ)	0.0027	J	0.010	0.00081	ng/g
PCB 198 (BZ)	0.048	C	0.010	0.0011	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.048	C198	0.010	0.0011	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00083	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0031	Q J	0.010	0.00079	ng/g
PCB 202 (BZ)	0.022		0.010	0.00087	ng/g
PCB 203 (BZ)	0.049		0.010	0.0010	ng/g
PCB 204 (BZ)	ND		0.010	0.00083	ng/g
PCB 205 (BZ)	0.0046	J	0.010	0.0013	ng/g
PCB 206 (BZ)	0.023		0.010	0.0012	ng/g
PCB 207 (BZ)	ND		0.010	0.00093	ng/g
PCB 208 (BZ)	0.0039	Q J	0.010	0.0010	ng/g
PCB 209 (BZ)	0.0046	J	0.010	0.0014	ng/g

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 002	Work Order #....:	J64JX1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/12/07	Date Received....:	09/18/07	Dilution Factor:	1
Prep Date....:	09/21/07	Analysis Date....:	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	52		30 - 140
13C12-PCB 3	49		30 - 140
13C12-PCB 4	66		30 - 140
13C12-PCB 15	64		30 - 140
13C12-PCB 19	67		30 - 140
13C12-PCB 37	72		30 - 140
13C12-PCB 54	74		30 - 140
13C12-PCB 77	73		30 - 140
13C12-PCB 81	73		30 - 140
13C12-PCB 104	71		30 - 140
13C12-PCB 105	72		30 - 140
13C12-PCB 114	71		30 - 140
13C12-PCB 118	75		30 - 140
13C12-PCB 123	72		30 - 140
13C12-PCB 126	70		30 - 140
13C12-PCB 155	81		30 - 140
13C12-PCB 156	74	C	30 - 140
13C12-PCB 157	74	C	30 - 140
13C12-PCB 167	70		30 - 140
13C12-PCB 169	54		30 - 140
13C12-PCB 170	73		30 - 140
13C12-PCB 188	99		30 - 140
13C12-PCB 189	84		30 - 140
13C12-PCB 202	106		30 - 140
13C12-PCB 205	83		30 - 140
13C12-PCB 206	93		30 - 140
13C12-PCB 208	94		30 - 140
13C12-PCB 209	113		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	72	40 - 125
13C12-PCB 111	80	40 - 125
13C12-PCB 178	95	40 - 125

Washington Closure Hanford

Sample ID: J15J87

Trace Level Organic Compounds

Lot - Sample #....:	H7I180256 - 002	**Work Order #....:**	J64JX1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/12/07	**Date Received....:**	09/18/07	**Dilution Factor:**	1
Prep Date....:	09/21/07	**Analysis Date....:**	09/28/07		
Prep Batch # ....:	7264161				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

STL - Knoxville

IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JX1AA	Prep Batch	7264161	Lot No	H7I180256-002
Data File	/20070928s1/apj64jx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99541	Prep Exp Date	09/11/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/12/07
Analysis Time	19:15	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
Total Monochlorobiphenyl		2518	797			0.012731		0.001273	QBJ	0.00145
13C12-PCB 1	12:15	1578447	627120	1.318	10.00	5.198111	51.98	0.519811		0.000834
13C12-PCB 3	14:31	1501994	513591	1.325	10.00	4.917193	49.17	0.491719		0.000829
PCB 1 (BZ)	12:17	2518	797	1.253		0.012731		0.001273	QBJ	0.000445
PCB 2 (BZ)				1.226				ND		0.000500
PCB 3 (BZ)				1.348				ND		0.000505
Total Dichlorobiphenyl		45704	11141			0.265727		0.026573	QBJ	0.0146
13C12-PCB 4	14:46	928384	299847	0.615	10.00	6.551870	65.52	0.655187		0.000807
13C12-PCB 9	16:45	2304492	705211	1.000	10.00	10.000000	100.00	1.000000		0.000496
13C12-PCB 8				1.332	5.000			ND		0.000830
13C12-PCB 15	20:47	1569438	333249	1.065	10.00	6.395964	63.96	0.639596		0.000466
PCB 4 (BZ)	14:48	4797	1549	1.212		0.042645		0.004265	QBJ	0.00162
PCB 10 (BZ)	14:54	1794	435	1.326		0.010834		0.001083	QBJ	0.00140
PCB 9 (BZ)				1.445				ND		0.00128
PCB 7 (BZ)				1.432				ND		0.00130
PCB 6 (BZ)	17:11	4687	1244	1.450		0.025879		0.002588	QBJ	0.00128
PCB 5 (BZ)				1.356				ND		0.00137
PCB 8 (BZ)	17:39	15363	4754	1.477		0.083295		0.008329	QBJ	0.00126
PCB 14 (BZ)				1.687				ND		0.00110
PCB 11 (BZ)	20:09	9597	2020	1.448		0.053078		0.005308	QBJ	0.00128
PCB 13 (BZ)	20:25	3144	464	1.454		0.017315		0.001732	QBC12J	0.00128
PCB 12 (BZ)		3144		1.454		0.017315		0.001732	QBCJ	0.00128
PCB 15 (BZ)	20:47	6323	1139	1.233		0.032681		0.003268	QBJ	0.00143
Total Trichlorobiphenyl		650133	129781			3.534856		0.353486	BQ	0.0197
13C12-PCB 19	17:59	708159	188049	0.558	10.00	6.668062	66.68	0.666806		0.00262
13C12-PCB 32	21:13	1902081	450757	1.000	10.00	10.000000	100.00	1.000000		0.00146
13C12-PCB 31	23:28	2585222	552680	1.000	10.00	10.000000	100.00	1.000000		0.00119
13C12-PCB 28	23:45	1801595	392790	0.968	10.00	7.200248	72.00	0.720025		0.00123
13C12-PCB 37	27:52	1644694	300614	0.885	10.00	7.186544	71.87	0.718654		0.00135
PCB 19 (BZ)				1.178				ND		0.00141
PCB 30 (BZ)				1.874				ND		0.000887
PCB 18 (BZ)	19:50	35066	7797	1.262		0.392322		0.039232	B	0.00132
PCB 17 (BZ)	20:13	13009	3668	1.326		0.138544		0.013854	QB	0.00125
PCB 27 (BZ)	20:28	3460	673	1.945		0.025118		0.002512	QJ	0.000854
PCB 24 (BZ)	20:36	1434	585	1.782		0.011363		0.001136	QJ	0.000933
PCB 16 (BZ)	20:47	8947	1681	1.157		0.109161		0.010916	Q	0.00144
PCB 32 (BZ)	21:15	9368	2237	1.966		0.067273		0.006727	J	0.000845
PCB 34 (BZ)				1.216				ND		0.000855
PCB 23 (BZ)				1.208				ND		0.000861
PCB 29 (BZ)	22:56	24288	6291	1.265		0.116764		0.011676	BC26	0.000822
PCB 26 (BZ)		24288		1.265		0.116764		0.011676	BC	0.000822
PCB 25 (BZ)	23:10	10169	2412	1.362		0.045411		0.004541	BJ	0.000763
PCB 31 (BZ)	23:29	242764	50898	1.285		1.148282		0.114828	B	0.000809
PCB 28 (BZ)	23:46	194990	37837	1.238		0.957407		0.095741	BC20	0.000839
PCB 20 (BZ)		194990		1.238		0.957407		0.095741	BC	0.000839
PCB 21 (BZ)		38898		1.276		0.185406		0.018541	BC	0.000815
PCB 33 (BZ)	24:03	38898	7491	1.276		0.185406		0.018541	BC21	0.000815
PCB 22 (BZ)	24:30	55813	12081	1.218		0.278573		0.027857	B	0.000853
PCB 36 (BZ)				1.286				ND		0.000808

DRW 10/1/07 QC 10/1/07

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PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JX1AA	Prep Batch	7264161	Lot No	H7I180256-002
Data File	/20070928s1/apj64jx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99541	Prep Exp Date	09/11/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/12/07
Analysis Time	19:15	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 39 (BZ)				1.330				ND		0.000782
PCB 38 (BZ)				1.246				ND		0.000834
PCB 35 (BZ)				1.195				ND		0.000870
PCB 37 (BZ)	27:52	11928	2421	1.224		0.059234		0.005923	J	0.000849
Total Tetrachlorobiphenyl		7603517	1452637			45.458087		4.545809	QB	0.0351
13C12-PCB 54	21:08	843770	204204	0.598	10.00	7.423408	74.23	0.742341		0.000993
13C12-PCB 52	25:35	1461385	324535	1.000	10.00	10.000000	100.00	1.000000		0.000824
13C12-PCB 79				1.089	5.000			ND		0.000978
13C12-PCB 81	34:34	1368846	250054	1.286	10.00	7.281298	72.81	0.728130		0.000641
13C12-PCB 77	35:10	1376342	252255	1.297	10.00	7.260389	72.60	0.726039		0.000635
PCB 54 (BZ)				1.211				ND		0.00121
PCB 50 (BZ)	23:17	6478	1354	0.927		0.050924		0.005092	QCJ	0.00129
PCB 53 (BZ)		6478		0.927		0.050924		0.005092	QC50J	0.00129
PCB 45 (BZ)	23:58	9782	2309	0.857		0.083139		0.008314	BCJ	0.00139
PCB 51 (BZ)		9782		0.857		0.083139		0.008314	BC45J	0.00139
PCB 46 (BZ)	24:18	1689	474	0.706		0.017417		0.001742	QJ	0.00169
PCB 52 (BZ)	25:37	635141	146432	0.926		4.997436		0.499744	B	0.00129
PCB 73 (BZ)		7227		0.957		0.054997		0.005500	QC43J	0.00125
PCB 43 (BZ)	25:50	7227	2565	0.957		0.054997		0.005500	QCJ	0.00125
PCB 69 (BZ)				1.180				ND		0.00101
PCB 49 (BZ)	26:04	298847	63556	1.005		2.165692		0.216569	B	0.00119
PCB 48 (BZ)	26:21	35114	6991	0.886		0.288751		0.028875		0.00135
PCB 65 (BZ)	26:39	207242	30285	1.024		1.474849		0.147485	BC44	0.00117
PCB 47 (BZ)		207242		1.024		1.474849		0.147485	BC44	0.00117
PCB 44 (BZ)		207242		1.024		1.474849		0.147485	BC	0.00117
PCB 62 (BZ)		28954		1.297		0.162699		0.016270	BC59	0.000921
PCB 75 (BZ)	26:57	28954	4289	1.297		0.162699		0.016270	BC59	0.000921
PCB 59 (BZ)		28954		1.297		0.162699		0.016270	BC	0.000921
PCB 42 (BZ)	27:10	41839	8674	0.860		0.354609		0.035461		0.00139
PCB 41 (BZ)	27:35	4866	1660	0.723		0.049006		0.004901	QJ	0.00165
PCB 71 (BZ)	27:39	45843	8689	0.953		0.350367		0.035037	QC40	0.00125
PCB 40 (BZ)		45843		0.953		0.350367		0.035037	QC	0.00125
PCB 64 (BZ)	27:53	488509	102235	1.313		2.710604		0.271060		0.000910
PCB 72 (BZ)	28:37	16317	3120	1.257		0.094565		0.009456	J	0.000950
PCB 68 (BZ)	28:52	6700	1214	1.327		0.036780		0.003678	J	0.000900
PCB 57 (BZ)	29:20	2830	640	1.194		0.017268		0.001727	J	0.00100
PCB 58 (BZ)	29:34	11674	2644	1.260		0.067519		0.006752	J	0.000948
PCB 67 (BZ)	29:45	8351	1467	1.286		0.047295		0.004730	QJ	0.000929
PCB 63 (BZ)	30:01	107089	22684	1.339		0.582808		0.058281		0.000892
PCB 61 (BZ)				1.190				ND		0.00100
PCB 70 (BZ)	30:24	2367715	448186	1.317		13.097125		1.309712	BC	0.000907
PCB 76 (BZ)		2367715		1.317		13.097125		1.309712	BC70	0.000907
PCB 74 (BZ)		2367715		1.317		13.097125		1.309712	BC70	0.000907
PCB 66 (BZ)	30:43	2636999	518927	1.289		14.901549		1.490155	B	0.000926
PCB 55 (BZ)	31:01	29118	3732	1.161		0.182796		0.018280		0.00103
PCB 56 (BZ)	31:29	153969	28813	1.231		0.911343		0.091134		0.000970
PCB 60 (BZ)	31:40	422991	76366	1.191		2.587563		0.258756		0.00100
PCB 80 (BZ)				1.416				ND		0.000844
PCB 79 (BZ)				1.371				ND		0.000871

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PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JX1AA	Prep Batch	7264161	Lot No	H7I180256-002
Data File	/20070928s1/apj64jx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99541	Prep Exp Date	09/11/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/12/07
Analysis Time	19:15	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 78 (BZ)				1.181				ND		0.00101
PCB 81 (BZ)				1.317				ND		0.000911
PCB 77 (BZ)	35:13	28233	5659	1.200		0.170988		0.017099	Q	0.000991
Total Pentachlorobiphenyl		12966248	1983714			88.061712		8.806171	BQ	0.0478
13C12-PCB 104	26:30	1245298	285891	1.260	10.00	7.102823	71.03	0.710282		0.000937
13C12-PCB 95				0.741	5.000			ND		0.00158
13C12-PCB 101	32:21	1391736	283840	1.000	10.00	10.000000	100.00	1.000000		0.00118
13C12-PCB 111	34:59	1362936	269750	1.229	10.00	7.968264	79.68	0.796826		0.000960
13C12-PCB 123	37:01	1499256	301023	0.955	10.00	7.219184	72.19	0.721918		0.000846
13C12-PCB 118	37:21	1620859	304391	0.988	10.00	7.540087	75.40	0.754009		0.000817
13C12-PCB 114	37:53	1501539	290996	0.971	10.00	7.109222	71.09	0.710922		0.000832
13C12-PCB 105	38:37	1474021	278738	0.941	10.00	7.198263	71.98	0.719826		0.000858
13C12-PCB 127	39:58	2175729	414773	1.000	10.00	10.000000	100.00	1.000000		0.000808
13C12-PCB 126	41:42	1489414	253439	0.978	10.00	7.000820	70.01	0.700082		0.000826
PCB 104 (BZ)				1.149				ND		0.00121
PCB 96 (BZ)				1.014				ND		0.00137
PCB 103 (BZ)	28:45	3724	855	0.866		0.034517		0.003452	J	0.00160
PCB 94 (BZ)				0.703				ND		0.00198
PCB 95 (BZ)	29:34	217740	47977	0.859		2.036160		0.203616	BC	0.00162
PCB 100 (BZ)		217740		0.859		2.036160		0.203616	BC95	0.00162
PCB 93 (BZ)				0.701				ND		0.00198
PCB 102 (BZ)	29:53	3845	734	0.822		0.037548		0.003755	QC98J	0.00169
PCB 98 (BZ)		3845		0.822		0.037548		0.003755	QCJ	0.00169
PCB 88 (BZ)				0.723				ND		0.00192
PCB 91 (BZ)	30:23	40476	7550	0.864		0.376290		0.037629		0.00161
PCB 84 (BZ)	30:43	27309	5521	0.679		0.322798		0.032280		0.00205
PCB 89 (BZ)				0.717				ND		0.00194
PCB 121 (BZ)				1.105				ND		0.00126
PCB 92 (BZ)	31:49	267818	56152	0.772		2.784533		0.278453		0.00180
PCB 113 (BZ)	32:22	1240944	244792	0.990		10.069426		1.006943	BC90	0.00140
PCB 90 (BZ)		1240944		0.990		10.069426		1.006943	BC	0.00140
PCB 101 (BZ)		1240944		0.990		10.069426		1.006943	BC90	0.00140
PCB 83 (BZ)	32:56	818555	172471	0.777		8.463457		0.846346	C	0.00179
PCB 99 (BZ)		818555		0.777		8.463457		0.846346	C83	0.00179
PCB 112 (BZ)				1.079				ND		0.00129
PCB 109 (BZ)/108 (IUPAC)	33:26	608451	15597	0.967		5.053852		0.505385	BC86	0.00144
PCB 86 (BZ)		608451		0.967		5.053852		0.505385	BC	0.00144
PCB 119 (BZ)		608451		0.967		5.053852		0.505385	BC86	0.00144
PCB 97 (BZ)	33:32	608451	26218	0.967		5.053852		0.505385	BC86	0.00144
PCB 125 (BZ)	33:40	608451	78458	0.967		5.053852		0.505385	BC86	0.00144
PCB 87 (BZ)		608451		0.967		5.053852		0.505385	BC86	0.00144
PCB 117 (BZ)	34:07	516768	26987	0.979		4.238190		0.423819	C85	0.00142
PCB 116 (BZ)		516768		0.979		4.238190		0.423819	C85	0.00142
PCB 85 (BZ)	34:17	516768	76350	0.979		4.238190		0.423819	C	0.00142
PCB 110 (BZ)	34:27	1727330	345338	1.139		12.180909		1.218091	BC	0.00122
PCB 115 (BZ)		1727330		1.139		12.180909		1.218091	BC110	0.00122
PCB 82 (BZ)	34:50	14920	3216	0.605		0.198155		0.019815	Q	0.00230
PCB 111 (BZ)	35:00	2767	976	1.129		0.019686		0.001969	QJ	0.00123
PCB 120 (BZ)	35:28	15003	2137	1.192		0.101058		0.010106		0.00117

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PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JX1AA	Prep Batch	7264161	Lot No	H7I180256-002
Data File	/20070928s1/apj64jx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99541	Prep Exp Date	09/11/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/12/07
Analysis Time	19:15	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 124 (BZ)		83839		1.123		0.491913		0.049191	C108	0.00124
PCB 108 (BZ)/107 (IUPAC)	36:42	83839	17398	1.123		0.491913		0.049191	C	0.00124
PCB 107 (BZ)/109 (IUPAC)	36:55	315907	62089	1.074		1.938732		0.193873		0.00130
PCB 123 (BZ)	37:01	73458	19602	1.136		0.431298		0.043130	Q	0.00116
PCB 106 (BZ)				1.046				ND		0.00133
PCB 118 (BZ)	37:22	4806181	938694	1.094		27.111513		2.711151	B	0.00119
PCB 122 (BZ)	37:46	12418	3963	1.047		0.078153		0.007815	QJ	0.00133
PCB 114 (BZ)	37:55	107095	17006	1.196		0.596297		0.059630		0.00114
PCB 105 (BZ)	38:39	2027802	389762	1.218		11.293523		1.129352		0.00117
PCB 127 (BZ)	40:00	5399	1109	1.130		0.031481		0.003148	QJ	0.00123
PCB 126 (BZ)	41:50	28499	5419	1.111		0.172222		0.017222	Q	0.00141
Total Hexachlorobiphenyl		10398146	1937588			79.897271		7.989727	BQ	0.0641
13C12-PCB 155	31:59	1332564	277453	1.178	10.00	8.128648	81.29	0.812865		0.00101
13C12-PCB 153				0.833	5.000			ND		0.00214
13C12-PCB 138	40:27	1633552	326989	1.000	10.00	10.000000	100.00	1.000000		0.00103
13C12-PCB 167	43:23	1409913	272624	1.237	10.00	6.979369	69.79	0.697937		0.000835
13C12-PCB 156	44:41	2979252	287319	1.229	20.00	14.841905	74.21	1.484190		0.000840
13C12-PCB 157								ND		0.000000
13C12-PCB 169	47:58	1051415	196779	1.188	10.00	5.419754	54.20	0.541975		0.000869
PCB 155 (BZ)				1.117				ND		0.00120
PCB 152 (BZ)				1.023				ND		0.00131
PCB 150 (BZ)				1.032				ND		0.00130
PCB 136 (BZ)	33:00	45713	8632	0.967		0.354916		0.035492		0.00139
PCB 145 (BZ)				1.021				ND		0.00132
PCB 148 (BZ)				0.749				ND		0.00179
PCB 151 (BZ)	35:17	253868	38805	0.781		2.440868		0.244087	C135	0.00172
PCB 135 (BZ)		253868		0.781		2.440868		0.244087	C	0.00172
PCB 154 (BZ)		253868		0.781		2.440868		0.244087	C135	0.00172
PCB 144 (BZ)	35:51	26758	4846	0.759		0.264680		0.026468		0.00177
PCB 147 (BZ)	36:13	188172	35725	0.862		1.605387		0.160539	BC	0.00228
PCB 149 (BZ)		188172		0.862		1.605387		0.160539	BC147	0.00228
PCB 134 (BZ)	36:29	12506	2652	0.711		0.129239		0.012924	QC	0.00277
PCB 143 (BZ)		12506		0.711		0.129239		0.012924	QC134	0.00277
PCB 139 (BZ)	36:46	34346	5839	0.856		0.295102		0.029510	C	0.00230
PCB 140 (BZ)		34346		0.856		0.295102		0.029510	C139	0.00230
PCB 131 (BZ)	37:04	5026	1023	0.713		0.051790		0.005179	J	0.00276
PCB 142 (BZ)				0.735				ND		0.00268
PCB 132 (BZ)	37:33	67912	13049	0.710		0.703046		0.070305		0.00277
PCB 133 (BZ)	37:52	47254	10513	0.768		0.452150		0.045215		0.00256
PCB 165 (BZ)				0.993				ND		0.00198
PCB 146 (BZ)	38:31	431606	89463	0.874		3.631983		0.363198		0.00225
PCB 161 (BZ)				1.090				ND		0.00181
PCB 153 (BZ)	39:07	3653304	727833	1.068		25.138463		2.513846	BC	0.00184
PCB 168 (BZ)		3653304		1.068		25.138463		2.513846	BC153	0.00184
PCB 141 (BZ)	39:24	221458	40650	0.756		2.154339		0.215434		0.00261
PCB 130 (BZ)	39:50	76583	16828	0.708		0.794769		0.079477		0.00278
PCB 137 (BZ)	40:01	112339	23362	0.835		0.989041		0.098904		0.00236
PCB 164 (BZ)	40:11	120068	23036	1.033		0.854408		0.085441		0.00191
PCB 138 (BZ)	40:28	3751843	729882	0.922		29.916861		2.991686	BC129	0.00214

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IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JX1AA	Prep Batch	7264161	Lot No	H7I180256-002
Data File	/20070928s1/apj64jx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99541	Prep Exp Date	09/11/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/12/07
Analysis Time	19:15	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 163 (BZ)		3751843		0.922		29.916861		2.991686	BC129	0.00214
PCB 129 (BZ)		3751843		0.922		29.916861		2.991686	BC	0.00214
PCB 160 (BZ)		3751843		0.922		29.916861		2.991686	BC129	0.00214
PCB 158 (BZ)	40:50	334590	59852	1.191		2.065141		0.206514		0.00165
PCB 166 (BZ)	41:42	19587	5333	1.102		0.130653		0.013065	Q	0.00179
PCB 128 (BZ)	41:49	553906	104592	0.769		5.296782		0.529678		0.00256
PCB 159 (BZ)				1.079				ND		0.00182
PCB 162 (BZ)	42:57	15994	3313	1.079		0.108996		0.010900	Q	0.00183
PCB 167 (BZ)	43:25	112219	20144	1.150		0.691972		0.069197		0.00119
PCB 156 (BZ)	44:38	313094	46745	1.151		1.826687		0.182669	C	0.00225
PCB 157 (BZ)		313094		1.151		1.826687		0.182669	C156	0.00225
PCB 169 (BZ)				1.337				ND		0.00142
Total Heptachlorobiphenyl		1449884	174481			13.819423		1.381942	Q	0.0325
13C12-PCB 188	37:43	1443503	290187	1.238	10.00	9.925930	99.26	0.992593		0.00136
13C12-PCB 178	40:48	966440	193146	0.863	10.00	9.533227	95.33	0.953323		0.00195
13C12-PCB 180	45:57	1174567	182713	1.000	10.00	10.000000	100.00	1.000000		0.00168
13C12-PCB 170	47:21	693599	98790	0.813	10.00	7.259160	72.59	0.725916		0.00207
13C12-PCB 189	50:30	1119931	170436	1.620	10.00	8.424632	84.25	0.842463		0.00142
PCB 188 (BZ)				1.071				ND		0.000917
PCB 179 (BZ)	38:14	36472	7232	1.200		0.284473		0.028447		0.00122
PCB 184 (BZ)				1.178				ND		0.00124
PCB 176 (BZ)				1.252				ND		0.00117
PCB 186 (BZ)				1.214				ND		0.00121
PCB 178 (BZ)	40:49	62771	13302	0.889		0.660536		0.066054		0.00165
PCB 175 (BZ)	41:25	3821	1125	0.920		0.038862		0.003886	QJ	0.00159
PCB 187 (BZ)	41:43	296187	57419	1.009		2.747613		0.274761		0.00145
PCB 182 (BZ)				0.972				ND		0.00151
PCB 183 (BZ)	42:19	149087	31211	0.946		1.474615		0.147461		0.00155
PCB 185 (BZ)	42:28	17165	3375	0.919		0.174814		0.017481		0.00159
PCB 174 (BZ)	42:40	27278	5376	0.924		0.276264		0.027626		0.00159
PCB 177 (BZ)	43:07	41843	7308	0.880		0.445230		0.044523	Q	0.00167
PCB 181 (BZ)	43:25	3931	693	0.975		0.037741		0.003774	J	0.00150
PCB 171 (BZ)		73160		0.835		0.819925		0.081992	C	0.00175
PCB 173 (BZ)	43:43	73160	14117	0.835		0.819925		0.081992	C171	0.00175
PCB 172 (BZ)	45:18	30894	5790	0.838		0.344929		0.034493		0.00175
PCB 192 (BZ)				1.147				ND		0.00128
PCB 193 (BZ)	45:58	462202	71933	1.134		3.814329		0.381433	C180	0.00129
PCB 180 (BZ)		462202		1.134		3.814329		0.381433	C	0.00129
PCB 191 (BZ)	46:18	12888	1824	1.228		0.098240		0.009824	QJ	0.00119
PCB 170 (BZ)	47:22	139774	22613	1.058		1.905439		0.190544		0.00273
PCB 190 (BZ)	47:51	82727	15304	1.254		0.617604		0.061760		0.00117
PCB 189 (BZ)	50:29	9684	1909	1.097		0.078808		0.007881	QJ	0.00152
Total Octachlorobiphenyl		227012	42011			2.462272		0.246227	Q	0.0119
13C12-PCB 202	43:05	1239402	241509	0.994	10.00	10.617987	106.18	1.061799		0.00142
13C12-PCB 194	52:34	820357	133275	1.000	10.00	10.000000	100.00	1.000000		0.00193
13C12-PCB 205	53:05	963385	168353	1.407	10.00	8.347951	83.48	0.834795		0.00137
PCB 202 (BZ)	43:07	27337	5718	0.993		0.222185		0.022218		0.000865
PCB 200 (BZ)/201 (IUPAC)	44:01	4232	939	1.087		0.031411		0.003141	QJ	0.000790
PCB 204 (BZ)				1.033				ND		0.000831

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PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JX1AA	Prep Batch	7264161	Lot No	H7I180256-002
Data File	/20070928s1/apj64jx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99541	Prep Exp Date	09/11/08	Date Received	09/18/07
Analysis Date	9/28/2007	Matrix	BIOLOGIC	Date Sampled	09/12/07
Analysis Time	19:15	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	09/20/08	Extract Vol	100	Method	IE5
Instrument	M1D	Dil Factor	1.0	Code	IE5
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/g)		DL (ng/g)
PCB 197 (BZ)	44:53	3507	794	1.061		0.026660		0.002666	J	0.000810
PCB 199 (BZ)/200 (IUPAC)				1.031				ND		0.000833
PCB 198 (BZ)	47:57	45700	9609	0.761		0.484651		0.048465	C	0.00113
PCB 201 (BZ)/199 (IUPAC)		45700		0.761		0.484651		0.048465	C198	0.00113
PCB 196 (BZ)	48:34	18889	3646	0.752		0.202636		0.020264		0.00114
PCB 203 (BZ)	48:47	51982	8970	0.856		0.489973		0.048997		0.00100
PCB 195 (BZ)	50:14	24195	4222	0.723		0.347591		0.034759		0.00171
PCB 194 (BZ)	52:38	46778	6955	0.795		0.610855		0.061085	Q	0.00155
PCB 205 (BZ)	53:05	4392	1158	0.984		0.046310		0.004631	J	0.00125
Total Nonachlorobiphenyl		19524	4730			0.269734		0.026973	Q	0.00316
13C12-PCB 208	49:49	897383	160896	1.161	10.00	9.421393	94.21	0.942139		0.00158
13C12-PCB 206	54:44	629608	125272	0.823	10.00	9.329205	93.29	0.932921		0.00223
PCB 208 (BZ)	49:52	3547	835	1.026		0.038513		0.003851	QJ	0.00101
PCB 207 (BZ)				1.264				ND		0.000926
PCB 206 (BZ)	54:45	15977	3895	1.097		0.231221		0.023122		0.00122
13C12-PCB 209	56:14	859230	150887	0.930	10.00	11.261010	112.61	1.126101		0.00163
PCB 209 (BZ)	56:16	3972	1023	1.006		0.045965		0.004596	J	0.00135

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IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JX1AA	Prep Batch	7264161	Lot No	H7I180256-002
Data File	/20070928s1/apj64jx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99541	Prep Exp Date	09/11/08	Date Received	09/18/07
Analysis Date	09/28/07 19:15	Matrix	BIOLOGIC	Date Sampled	09/12/07
Anal Exp Date	09/20/08	Initial Wt/Vol	10.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
188					188.0393	190.0363	188.0393	190.0363	2.66-3.60		
	Noise	00:00	00:00	0	178	173	71	69	1.03 *	/	
	PCB 1 (BZ)	12:17	12:16	1	1908	1334	604	395	1.43 *	MBB/MBV	R
200					200.0795	202.0766	200.0795	202.0766	2.66-3.60		
	Noise	00:00	00:00	0	255	520	102	208	0.49 *	/	
	13C12-PCB 1	12:15	12:15	0	1206452	371995	478262	148858	3.24	AVV/AVV	
	13C12-PCB 3	14:31	14:28	3	1150837	351157	393556	120035	3.28	ABV/AVV	
222					222.0003	223.9974	222.0003	223.9974	1.33-1.79		
	Noise	00:00	00:00	0	150	438	60	175	0.34 *	/	
	PCB 4 (BZ)	14:48	14:46	2	2923	4608	944	1567	0.63 *	MBV/MVB	R
	PCB 10 (BZ)	14:54	14:57	-3	1093	2999	265	880	0.36 *	AVB/MVV	RD
	PCB 6 (BZ)	17:11	17:10	1	2856	5114	758	1313	0.56 *	ABB/AVV	RT
	PCB 8 (BZ)	17:39	17:37	2	9362	16284	2897	3088	0.57 *	MBB/AVV	R
	PCB 11 (BZ)	20:09	20:07	2	5848	12695	1231	2059	0.46 *	MBB/MBV	R
	PCB 13 (BZ)	20:25	20:23	2	1916	5224	283	836	0.37 *	MVV/MVV	R
	PCB 15 (BZ)	20:47	20:44	3	3853	5498	694	1137	0.70 *	ABB/MVV	RT
234					234.0406	236.0376	234.0406	236.0376	1.33-1.79		
	Noise	00:00	00:00	0	190	160	76	64	1.19 *	/	
	13C12-PCB 4	14:46	14:45	1	575206	353178	182910	116937	1.63	AVV/ABV	
	13C12-PCB 9	16:45	16:42	3	1422308	882184	436358	268853	1.61	ABV/ABV	
	13C12-PCB 15	20:47	20:44	3	973147	596291	207340	125909	1.63	ABV/ABV	
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	Noise	00:00	00:00	0	150	163	60	65	0.92	/	
	PCB 18 (BZ)	19:50	19:48	2	18943	16123	4264	3533	1.17	ABB/ABB	
	PCB 17 (BZ)	20:13	20:13	0	8153	6377	1586	1798	1.28 *	MBB/ABB	RD
	PCB 27 (BZ)	20:28	20:28	0	2052	1696	623	330	1.21 *	MBV/MVV	RD
	PCB 24 (BZ)	20:36	20:34	2	731	1354	298	347	0.54 *	MVV/MVV	R
	PCB 16 (BZ)	20:47	20:44	3	4561	14500	857	3103	0.31 *	AVB/ABB	R
	PCB 32 (BZ)	21:15	21:14	1	4631	4737	1257	980	0.98		M
	PCB 29 (BZ)	22:56	22:55	1	11685	12603	3216	3075	0.93	ABV/ABB	
	PCB 25 (BZ)	23:10	23:09	1	5243	4926	1331	1081	1.06	AVB/ABB	
	PCB 31 (BZ)	23:29	23:30	-1	125600	117164	25670	25228	1.07	ABV/ABV	
	PCB 28 (BZ)	23:46	23:46	0	97450	97540	18907	18930	1.00	AVV/AVV	
	PCB 33 (BZ)	24:03	24:04	-1	20282	18616	3951	3540	1.09	AVV/AVV	
	PCB 22 (BZ)	24:30	24:28	2	28563	27250	5653	6428	1.05	ABB/ABB	
	PCB 37 (BZ)	27:52	27:52	0	5969	5959	1132	1289	1.00	MBB/MVB	
268					268.0016	269.9986	268.0016	269.9986	0.88-1.20		
	Noise	00:00	00:00	0	350	310	140	124	1.13	/	
	13C12-PCB 19	17:59	17:56	3	377174	330985	98442	89607	1.14	ABV/AVV	
	13C12-PCB 32	21:13	21:12	1	1009362	892719	240800	209957	1.13	ABV/AVV	
	13C12-PCB 31	23:28	23:28	0	1325785	1259437	283110	269570	1.05	ABV/ABV	
	13C12-PCB 28	23:45	23:45	0	917672	883923	198960	193830	1.04	AVV/AVV	
	13C12-PCB 37	27:52	27:50	2	856105	788589	154780	145834	1.09	ABV/ABV	
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		

Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside comax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

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IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JX1AA	Prep Batch	7264161	Lot No	H7I180256-002
Data File	/20070928s1/apj64jx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99541	Prep Exp Date	09/11/08	Date Received	09/18/07
Analysis Date	09/28/07 19:15	Matrix	BIOLOGIC	Date Sampled	09/12/07
Anal Exp Date	09/20/08	Initial Wt/Vol	10.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	Noise	00:00	00:00	0	138	163	55	65	0.85	/	
	PCB 50 (BZ)	23:17	23:14	3	3505	3660	815	765	0.96 *	ABB/ABB	R
	PCB 45 (BZ)	23:58	23:57	1	4423	5359	1110	1199	0.83	ABB/ABB	
	PCB 46 (BZ)	24:18	24:18	0	996	954	440	268	1.04 *	ABB/ABB	R
	PCB 52 (BZ)	25:37	25:38	-1	278625	356516	64919	81513	0.78	ABV/ABV	D
	PCB 43 (BZ)	25:50	25:51	-1	4791	4083	921	1449	1.17 *	AVV/AVV	RD
	PCB 49 (BZ)	26:04	26:07	-3	131485	167362	27896	35660	0.79	AVV/AVV	D
	PCB 48 (BZ)	26:21	26:23	-2	15562	19552	3333	3658	0.80	AVV/AVB	D
	PCB 65 (BZ)	26:39	26:36	3	94168	113074	13591	16694	0.83	AVV/ABV	
	PCB 75 (BZ)	26:57	26:56	1	12780	16174	2148	2141	0.79	AVB/AVV	
	PCB 42 (BZ)	27:10	27:11	-1	18853	22986	3912	4762	0.82	ABB/AVB	D
	PCB 41 (BZ)	27:35	27:36	-1	4652	2749	1203	938	1.69 *	ABV/ABV	RM
	PCB 71 (BZ)	27:39	27:41	-2	19302	26541	3806	4883	0.73	AVV/AVV	TM
	PCB 64 (BZ)	27:53	27:53	0	212948	275561	44718	57517	0.77	AVB/AVB	D
	PCB 72 (BZ)	28:37	28:41	-4	7108	9209	1555	1565	0.77	ABB/ABB	M
	PCB 68 (BZ)	28:52	28:56	-4	3011	3689	398	816	0.82	ABB/ABB	M
	PCB 57 (BZ)	29:20	29:23	-3	1307	1523	310	330	0.86	ABB/MVV	
	PCB 58 (BZ)	29:34	29:39	-5	4947	6727	1130	1514	0.74	ABV/ABV	M
	PCB 67 (BZ)	29:45	29:46	-1	4439	4718	838	829	0.94 *	AVB/AVB	R
	PCB 63 (BZ)	30:01	30:04	-3	47143	59946	9456	13228	0.79	ABB/ABB	
	PCB 70 (BZ)	30:24	30:25	-1	1050444	1317271	199171	249015	0.80	ABV/ABV	
	PCB 66 (BZ)	30:43	30:45	-2	1156077	1480922	228905	290022	0.78	AVV/AVV	
	PCB 55 (BZ)	31:01	30:57	4	12675	16443	1606	2126	0.77	MVV/MVV	D
	PCB 56 (BZ)	31:29	31:28	1	69322	84647	12447	16366	0.82	AVV/AVV	
	PCB 60 (BZ)	31:40	31:40	0	187623	235368	32461	43905	0.80	AVV/AVB	
	PCB 77 (BZ)	35:13	35:12	1	15414	15951	2076	3197	0.97 *	ABB/ABB	R
302					301.9626	303.9597	301.9626	303.9597	0.65-0.89		
	Noise	00:00	00:00	0	138	130	55	52	1.06 *	/	
	13C12-PCB 54	21:08	21:05	3	379126	464644	91362	112842	0.82	ABV/ABV	
	13C12-PCB 52	25:35	25:37	-2	638183	823202	141032	183503	0.78	ABV/ABV	
	13C12-PCB 81	34:34	34:35	-1	600332	768514	109912	140142	0.78	ABV/ABV	
	13C12-PCB 77	35:10	35:11	-1	605810	770532	110561	141694	0.79	ABV/ABV	
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	Noise	00:00	00:00	0	210	188	84	75	1.12 *	/	
	PCB 103 (BZ)	28:45	28:51	-6	2126	1598	369	486	1.33	ABB/ABB	M
	PCB 95 (BZ)	29:34	29:37	-3	136289	81451	31132	16845	1.67	ABV/ABV	
	PCB 102 (BZ)	29:53	29:54	-1	2337	1916	446	318	1.22 *	MVB/AVB	RT
	PCB 91 (BZ)	30:23	30:26	-3	25505	14971	4773	2777	1.70	ABB/ABB	DM
	PCB 84 (BZ)	30:43	30:43	0	16300	11009	3340	2181	1.48	ABB/ABB	
	PCB 92 (BZ)	31:49	31:53	-4	165266	102552	34831	21321	1.61	ABV/ABB	M
	PCB 113 (BZ)	32:22	32:26	-4	767159	473785	149529	95263	1.62	ABV/ABV	
	PCB 83 (BZ)	32:56	33:00	-4	504656	313899	105812	66659	1.61	AVV/ABB	
	PCB 109 (BZ)/108 (IUPAC	33:26	33:30	-4	40736	27734	9262	6335	1.47	ABV/ABV	M
	PCB 97 (BZ)	33:32	33:35	-3	85215	49950	16487	9731	1.71	AVV/AVV	M

Notes:
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T = peaks outside conax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

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IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JX1AA	Prep Batch	7264161	Lot No	H7I180256-002
Data File	/20070928s1/apj64jx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99541	Prep Exp Date	09/11/08	Date Received	09/18/07
Analysis Date	09/28/07 19:15	Matrix	BIOLOGIC	Date Sampled	09/12/07
Anal Exp Date	09/20/08	Initial Wt/Vol	10.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	PCB 125 (BZ)	33:40	33:41	-1	252363	152453	47892	30566	1.66	AVB/AVB	
	PCB 117 (BZ)	34:07	34:11	-4	80643	50974	16358	10629	1.58	ABV/ABV	
	PCB 85 (BZ)	34:17	34:20	-3	236780	148371	47342	29008	1.60	AVV/AVV	M
	PCB 110 (BZ)	34:27	34:30	-3	1066502	660828	214154	131184	1.61	AVB/AVB	
	PCB 82 (BZ)	34:50	34:52	-2	11329	5851	2410	1261	1.94 *	ABB/MBB	R
	PCB 111 (BZ)	35:00	35:06	-6	1682	1605	593	469	1.05 *	MBB/MVV	RM
	PCB 120 (BZ)	35:28	35:34	-6	9530	5473	1246	891	1.74	AVB/AVB	M
	PCB 108 (BZ)/107 (IUPAC	36:42	36:46	-4	50516	33323	10825	6573	1.52	ABV/ABV	
	PCB 107 (BZ)/109 (IUPAC	36:55	37:00	-5	187289	128618	38406	23683	1.46	AVV/AVV	M
	PCB 123 (BZ)	37:01	37:06	-5	55194	28807	10206	7687	1.92 *	AVB/AVB	RDM
	PCB 118 (BZ)	37:22	37:27	-5	2930406	1875775	575479	363215	1.56	ABV/ABV	M
	PCB 122 (BZ)	37:46	37:51	-5	12324	4870	2259	1554	2.53 *	AVV/AVV	RM
	PCB 114 (BZ)	37:55	37:59	-4	65763	41332	10430	6576	1.59	AVV/AVB	M
	PCB 105 (BZ)	38:39	38:42	-3	1246299	781503	238899	150863	1.59	ABV/ABB	
	PCB 127 (BZ)	40:00	40:05	-5	3346	2053	751	358	1.63	MBV/AVB	TM
	PCB 126 (BZ)	41:50	41:44	6	24277	11176	3730	2125	2.17 *	AVB/AVV	RM
338					337.9207	339.9178	337.9207	339.9178	1.32-1.78		
	Noise	00:00	00:00	0	185	150	74	60	1.23 *	/	
	13C12-PCB 104	26:30	26:32	-2	766221	479077	177891	108000	1.60	ABV/ABV	
	13C12-PCB 101	32:21	32:26	-5	867784	523952	173102	110738	1.66	ABV/ABV	M
	13C12-PCB 111	34:59	35:04	-5	837980	524956	166546	103204	1.60	ABV/ABV	M
	13C12-PCB 123	37:01	37:06	-5	927855	571401	189853	111170	1.62	ABV/ABV	M
	13C12-PCB 118	37:21	37:25	-4	994074	626785	187554	116837	1.59	AVV/AVV	M
	13C12-PCB 114	37:53	37:57	-4	923232	578307	179601	111395	1.60	AVV/AVV	M
	13C12-PCB 105	38:37	38:40	-3	898892	575129	170026	108712	1.56	ABV/ABV	
	13C12-PCB 127	39:58	40:03	-5	1330526	845203	251873	162900	1.57	ABV/ABV	M
	13C12-PCB 126	41:42	41:43	-1	912280	577134	157321	96118	1.58	ABV/ABV	
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	Noise	00:00	00:00	0	195	178	78	71	1.10	/	
	PCB 136 (BZ)	33:00	33:05	-5	26498	19215	5027	3605	1.38	ABB/ABB	M
	PCB 151 (BZ)	35:17	35:22	-5	142368	111500	21128	17677	1.28	AVV/AVV	M
	PCB 144 (BZ)	35:51	35:56	-5	14211	12547	2398	2448	1.13	AVB/AVB	M
	PCB 147 (BZ)	36:13	36:17	-4	108545	79627	20272	15453	1.36	ABV/ABV	
	PCB 134 (BZ)	36:29	36:32	-3	8630	5583	1678	1184	1.55 *	AVV/AVB	R
	PCB 139 (BZ)	36:46	36:51	-5	19647	14699	3264	2575	1.34	AVB/ABB	M
	PCB 131 (BZ)	37:04	37:07	-3	2768	2258	543	480	1.23	MVV/MVV	
	PCB 132 (BZ)	37:33	37:39	-6	35642	32270	6970	6079	1.10	ABB/ABB	M
	PCB 133 (BZ)	37:52	38:01	-9	26094	21160	5559	4954	1.23	ABB/ABB	M
	PCB 146 (BZ)	38:31	38:38	-7	238392	193214	49636	39827	1.23	AVV/ABV	M
	PCB 153 (BZ)	39:07	39:16	-9	2021847	1631457	398679	329154	1.24	ABV/ABV	M
	PCB 141 (BZ)	39:24	39:30	-6	119884	101574	23652	16998	1.18	AVV/AVV	M
	PCB 130 (BZ)	39:50	39:56	-6	41872	34711	9186	7642	1.21	ABV/ABV	M
	PCB 137 (BZ)	40:01	40:07	-6	61604	50735	13634	9728	1.21	AVV/AVV	M
	PCB 164 (BZ)	40:11	40:16	-5	65791	54277	12450	10586	1.21	AVB/AVB	M

Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside comax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JX1AA	Prep Batch	7264161	Lot No	H7I180256-002
Data File	/20070928s1/apj64jx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99541	Prep Exp Date	09/11/08	Date Received	09/18/07
Analysis Date	09/28/07 19:15	Matrix	BIOLOGIC	Date Sampled	09/12/07
Anal Exp Date	09/20/08	Initial Wt/Vol	10.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	PCB 138 (BZ)	40:28	40:34	-6	2077559	1674284	401011	328871	1.24	ABV/ABV	M
	PCB 158 (BZ)	40:50	40:55	-5	188184	146406	33582	26270	1.29	AVB/AVV	M
	PCB 166 (BZ)	41:42	41:46	-4	14130	8744	2759	2381	1.62 *	ABV/ABV	RM
	PCB 128 (BZ)	41:49	41:53	-4	301481	252425	57615	46977	1.19	AVB/AVB	M
	PCB 162 (BZ)	42:57	43:03	-6	8854	8559	1834	1866	1.03 *	MBV/MVV	RM
	PCB 167 (BZ)	43:25	43:33	-8	63136	49083	11573	8571	1.29	ABV/ABV	M
	PCB 156 (BZ)	44:38	44:43	-5	171707	141387	25985	20760	1.21	ABV/ABV	M
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	Noise	00:00	00:00	0	185	153	74	61	1.21	/	
	13C12-PCB 155	31:59	32:06	-7	749246	583318	157230	120223	1.28	ABV/ABV	M
	13C12-PCB 138	40:27	40:32	-5	921679	711873	185071	141918	1.29	ABV/ABV	M
	13C12-PCB 167	43:23	43:30	-7	796426	613487	153902	118722	1.30	AVV/ABV	M
	13C12-PCB 156	44:41	44:40	1	1670829	1308423	156702	130617	1.28	AVV/AVV	
	13C12-PCB 169	47:58	47:56	2	592939	458476	111552	85227	1.29	ABV/ABV	M
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	Noise	00:00	00:00	0	150	135	60	54	1.11	/	
	PCB 179 (BZ)	38:14	38:20	-6	18267	18205	3823	3409	1.00	ABB/ABB	M
	PCB 178 (BZ)	40:49	40:58	-9	32909	29862	6479	6823	1.10	ABB/ABB	M
	PCB 175 (BZ)	41:25	41:35	-10	1957	2612	576	645	0.75 *	ABB/ABB	RM
	PCB 187 (BZ)	41:43	41:51	-8	152975	143212	29507	27912	1.07	ABV/ABV	M
	PCB 183 (BZ)	42:19	42:27	-8	78480	70607	16176	15035	1.11	ABV/ABV	M
	PCB 185 (BZ)	42:28	42:37	-9	9256	7909	1833	1542	1.17	AVV/AVV	DM
	PCB 174 (BZ)	42:40	42:47	-7	14529	12749	2717	2659	1.14	AVB/AVB	DM
	PCB 177 (BZ)	43:07	43:14	-7	24841	20411	4158	3565	1.22 *	ABB/ABB	RM
	PCB 181 (BZ)	43:25	43:34	-9	2075	1856	323	370	1.12	MVV/ABB	M
	PCB 173 (BZ)	43:43	43:50	-7	36436	36724	6882	7235	0.99	ABB/ABB	M
	PCB 172 (BZ)	45:18	45:25	-7	15578	15316	2813	2977	1.02	ABB/ABB	M
	PCB 193 (BZ)	45:58	45:59	-1	240771	221431	38186	33747	1.09	ABV/ABV	D
	PCB 191 (BZ)	46:18	46:25	-7	9259	6287	1331	890	1.47 *	AVV/AVB	RM
	PCB 170 (BZ)	47:22	47:23	-1	72716	67058	11531	11082	1.08	ABB/ABV	D
	PCB 190 (BZ)	47:51	47:52	-1	42576	40151	8445	6859	1.06	ABB/ABB	D
	PCB 189 (BZ)	50:29	50:26	3	4820	4864	881	1028	0.99	ABB/ABB	T
406					405.8428	407.8398	405.8428	407.8398	0.89-1.21		
	Noise	00:00	00:00	0	150	158	60	63	0.95	/	
	13C12-PCB 188	37:43	37:51	-8	729893	713610	146429	143758	1.02	ABV/ABV	
	13C12-PCB 178	40:48	40:56	-8	491999	474441	97570	95576	1.04	ABV/ABV	
	13C12-PCB 180	45:57	46:01	-4	599465	575102	93277	89436	1.04	ABV/ABV	
	13C12-PCB 170	47:21	47:21	0	350257	343342	51168	47622	1.02	ABV/AVV	
	13C12-PCB 189	50:30	50:24	6	576987	542944	88558	81878	1.06	ABV/ABB	
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	Noise	00:00	00:00	0	95	113	38	45	0.84	/	
	PCB 202 (BZ)	43:07	43:15	-8	11797	15540	2266	3452	0.76	ABB/ABB	M
	PCB 200 (BZ)/201 (IUPAC	44:01	44:11	-10	2524	2239	548	497	1.13 *	ABB/ABB	RM

Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside cemax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A (Solid/Air Table 4)

IsoCalc

Workorder	J64JX1AA	Prep Batch	7264161	Lot No	H7I180256-002
Data File	/20070928s1/apj64jx.d	Prep Date	09/21/07	SDG No	J00132
Analysis ID	99541	Prep Exp Date	09/11/08	Date Received	09/18/07
Analysis Date	09/28/07 19:15	Matrix	BIOLOGIC	Date Sampled	09/12/07
Anal Exp Date	09/20/08	Initial Wt/Vol	10.0 g	Lims Test Code	XXT4WIE01
Instrument	M1D	Extract Vol	100 uL	Method	IE5
Analyst	DCG	Diluton Factor	1.00	Code	IE5

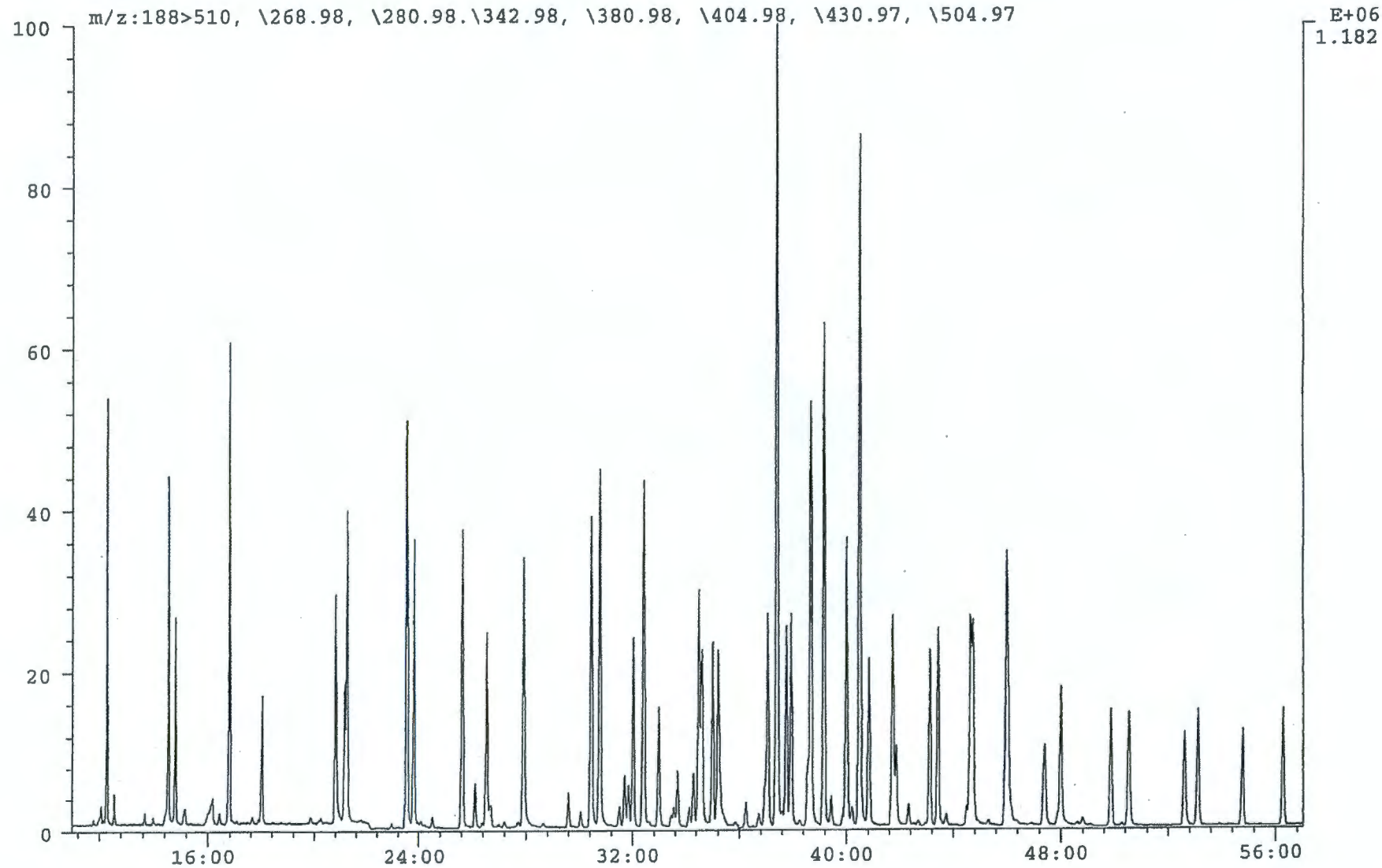
View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	PCB 197 (BZ)	44:53	45:03	-10	1641	1866	289	505	0.88	ABB/ABB	M
	PCB 198 (BZ)	47:57	47:56	1	21115	24585	4669	4940	0.86	ABB/ABB	D
	PCB 196 (BZ)	48:34	48:39	-5	8987	9902	1576	2070	0.91	ABV/ABV	M
	PCB 203 (BZ)	48:47	48:49	-2	23194	28788	4035	4935	0.81	AVB/AVB	D
	PCB 195 (BZ)	50:14	50:10	4	11027	13168	1869	2353	0.84	ABB/ABB	D
	PCB 194 (BZ)	52:38	52:30	8	21103	25675	3158	3797	0.82	ABB/ABB	TM
	PCB 205 (BZ)	53:05	52:59	6	2015	2377	666	492	0.85	ABB/ABB	M
440					439.8038	441.8008	439.8038	441.8008	0.76-1.02		
	Noise	00:00	00:00	0	113	145	45	58	0.78	/	
	13C12-PCB 202	43:05	43:14	-9	592396	647006	113166	128343	0.92	ABV/ABV	D
	13C12-PCB 194	52:34	52:29	5	391739	428618	65772	67503	0.91	ABB/ABB	
	13C12-PCB 205	53:05	52:57	8	453055	510330	80902	87451	0.89	ABB/ABB	
462					461.7246	463.7216	461.7246	463.7216	0.65-0.89		
	Noise	00:00	00:00	0	75	93	30	37	0.81	/	
	PCB 208 (BZ)	49:52	49:53	-1	1523	2024	258	577	0.75	ABB/ABB	T
	PCB 206 (BZ)	54:45	54:41	4	6324	9653	1316	2579	0.66	ABB/ABB	M
474					473.7648	475.7619	473.7648	475.7619	0.65-0.89		
	Noise	00:00	00:00	0	145	100	58	40	1.45 *	/	
	13C12-PCB 208	49:49	49:52	-3	403804	493579	73962	86934	0.82	ABV/ABV	
	13C12-PCB 206	54:44	54:40	4	277059	352549	54662	70610	0.79	ABV/ABB	
496					495.6856	497.6826	495.6856	497.6826	0.59-0.79		
	Noise	00:00	00:00	0	93	113	37	45	0.82 *	/	
	PCB 209 (BZ)	56:16	56:16	0	1560	2412	351	672	0.65	ABB/ABB	
508					507.7258	509.7229	507.7258	509.7229	0.59-0.79		
	Noise	00:00	00:00	0	93	110	37	44	0.84 *	/	
	13C12-PCB 209	56:14	56:15	-1	353402	505828	63359	87528	0.70	ABB/ABV	

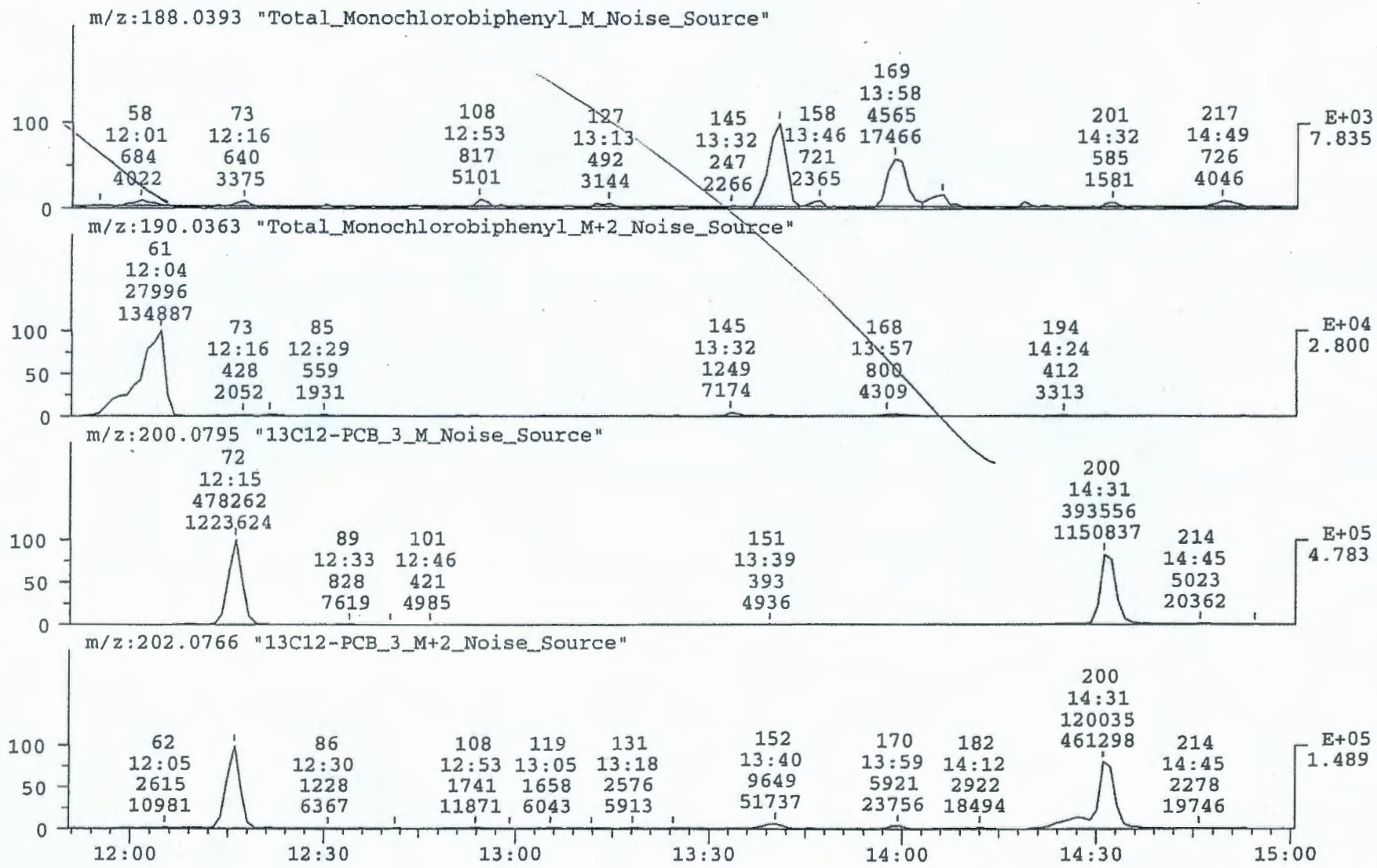
Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside conax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

CHRO: apj64jx 28-Sep-07 Elapse: 56:10 2554
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 2 > 2602 Masses: 181 > 510
Area: 5, 0.50, 0 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area

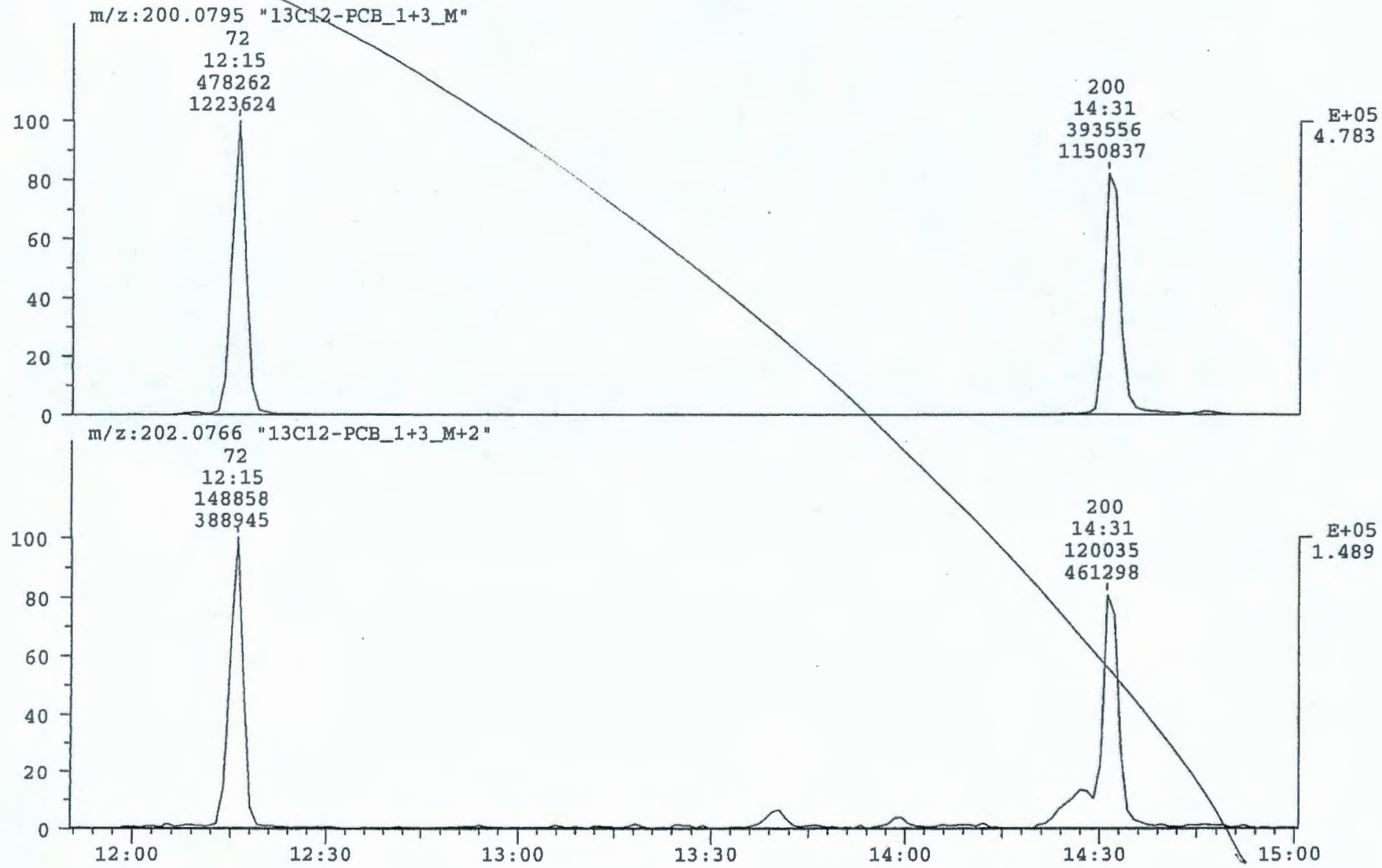
Int PNUP 9-29-07
Calc: 10/1/07
QC 10/1/07
Rev QC 10/11/07



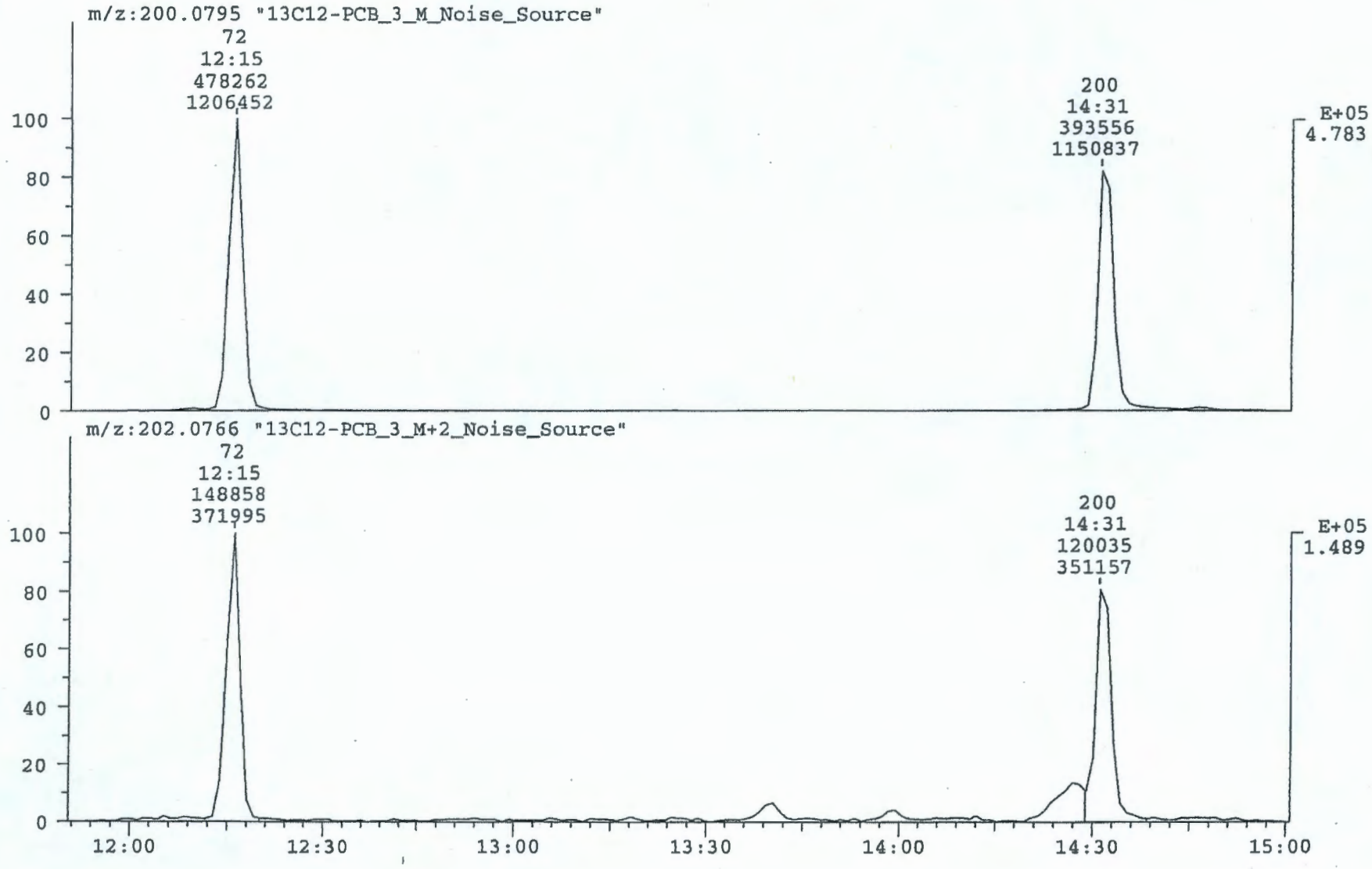
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  13:25.5      138
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC      Vial  35
Peak:  100.00  ppm      Label wndw:   48 > 228           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



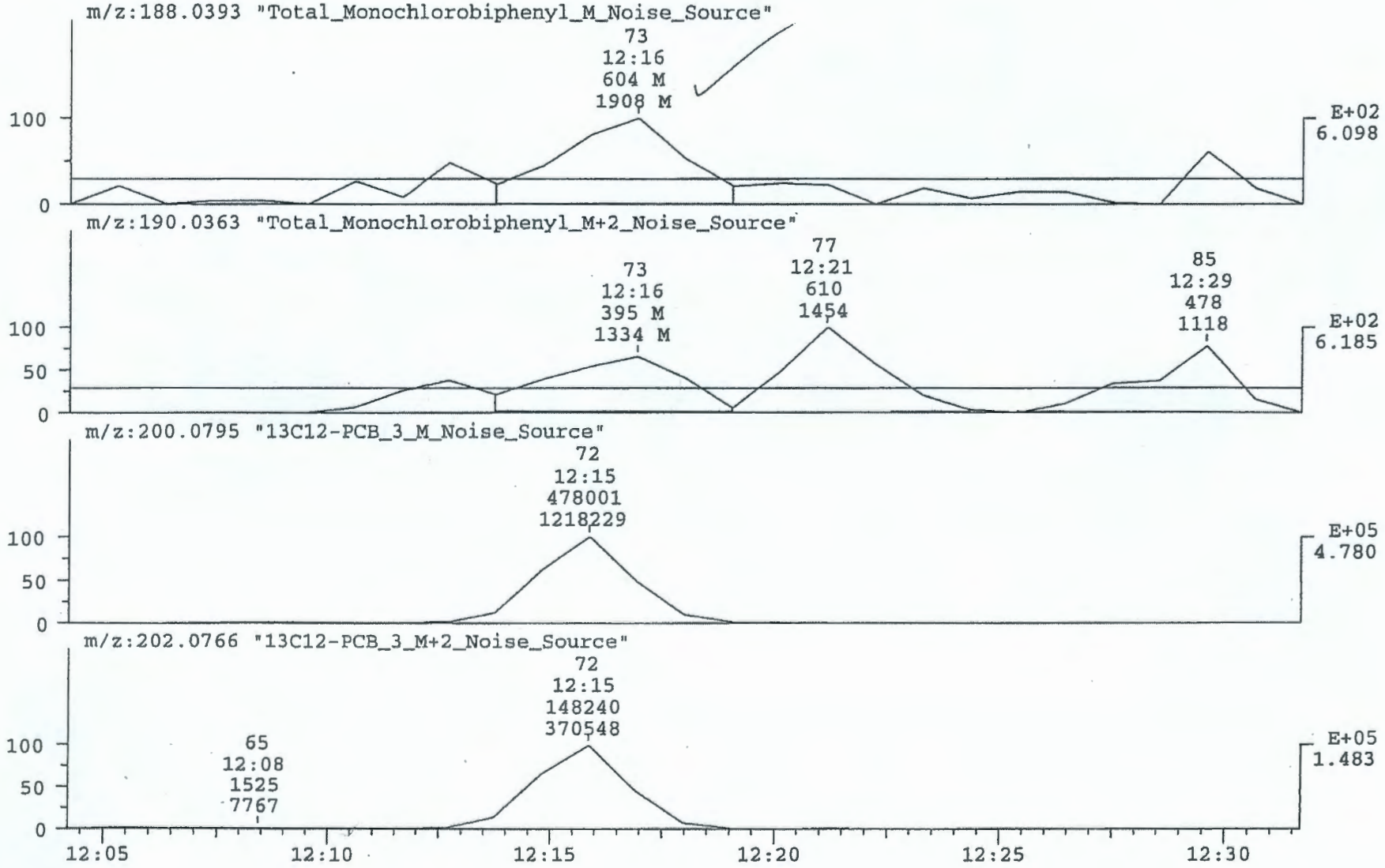
CHRO: apj64jx 28-Sep-07 Elapse: 13:25.5 138
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 48 > 228 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



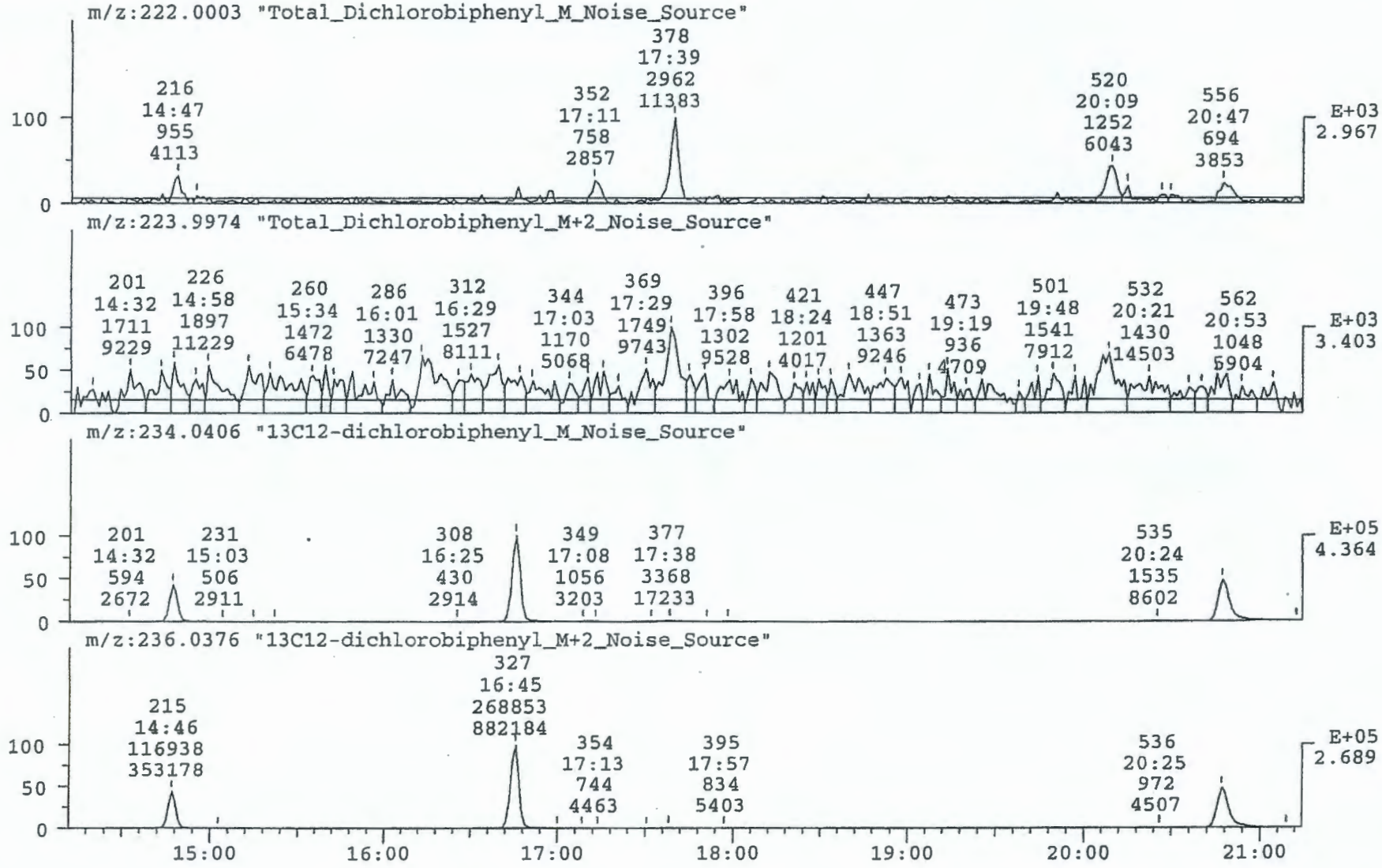
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   48 > 228           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 1             Label :  3, 3.0
Disp:  Height  Area
```



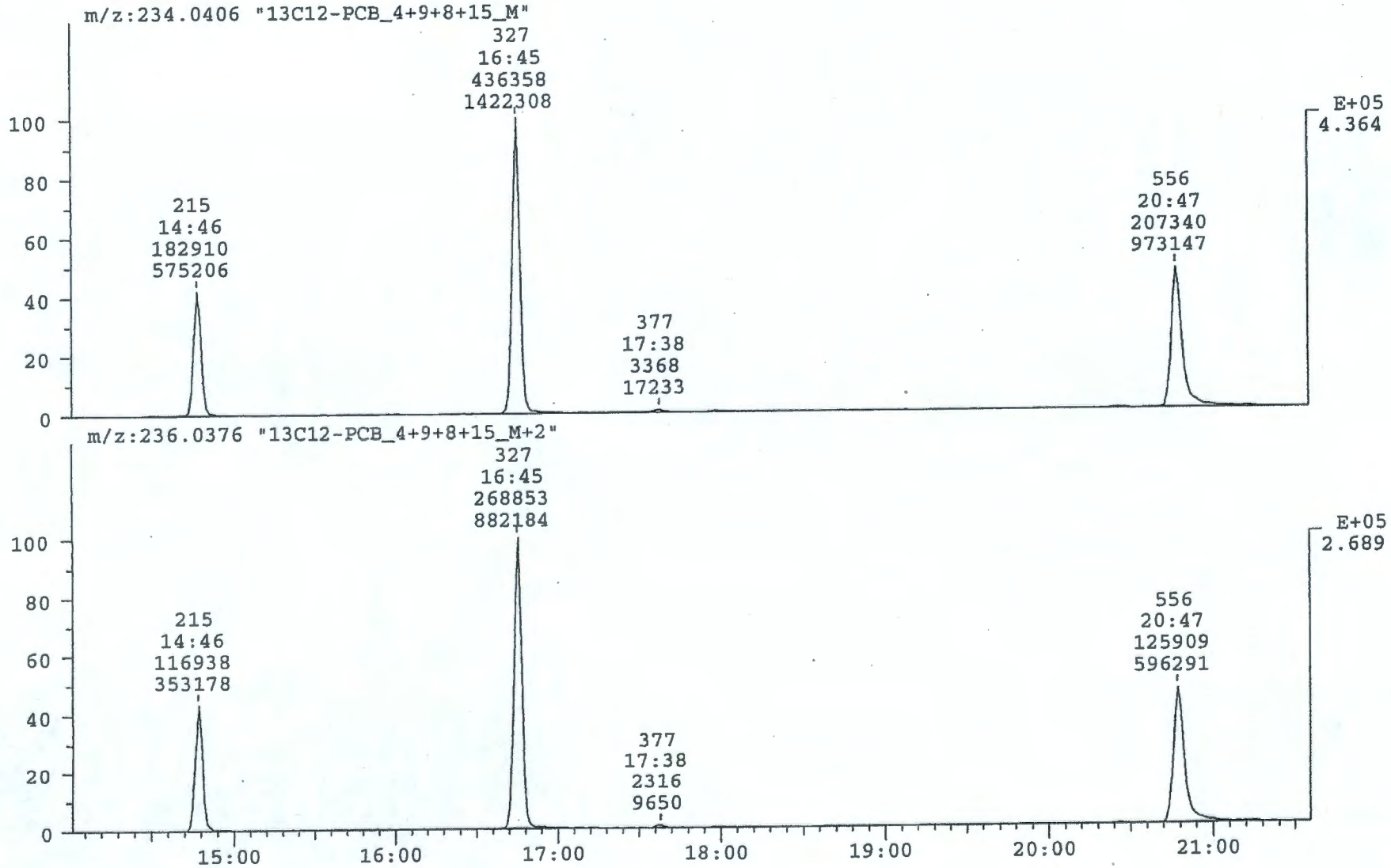
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=mld/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   61 > 87            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



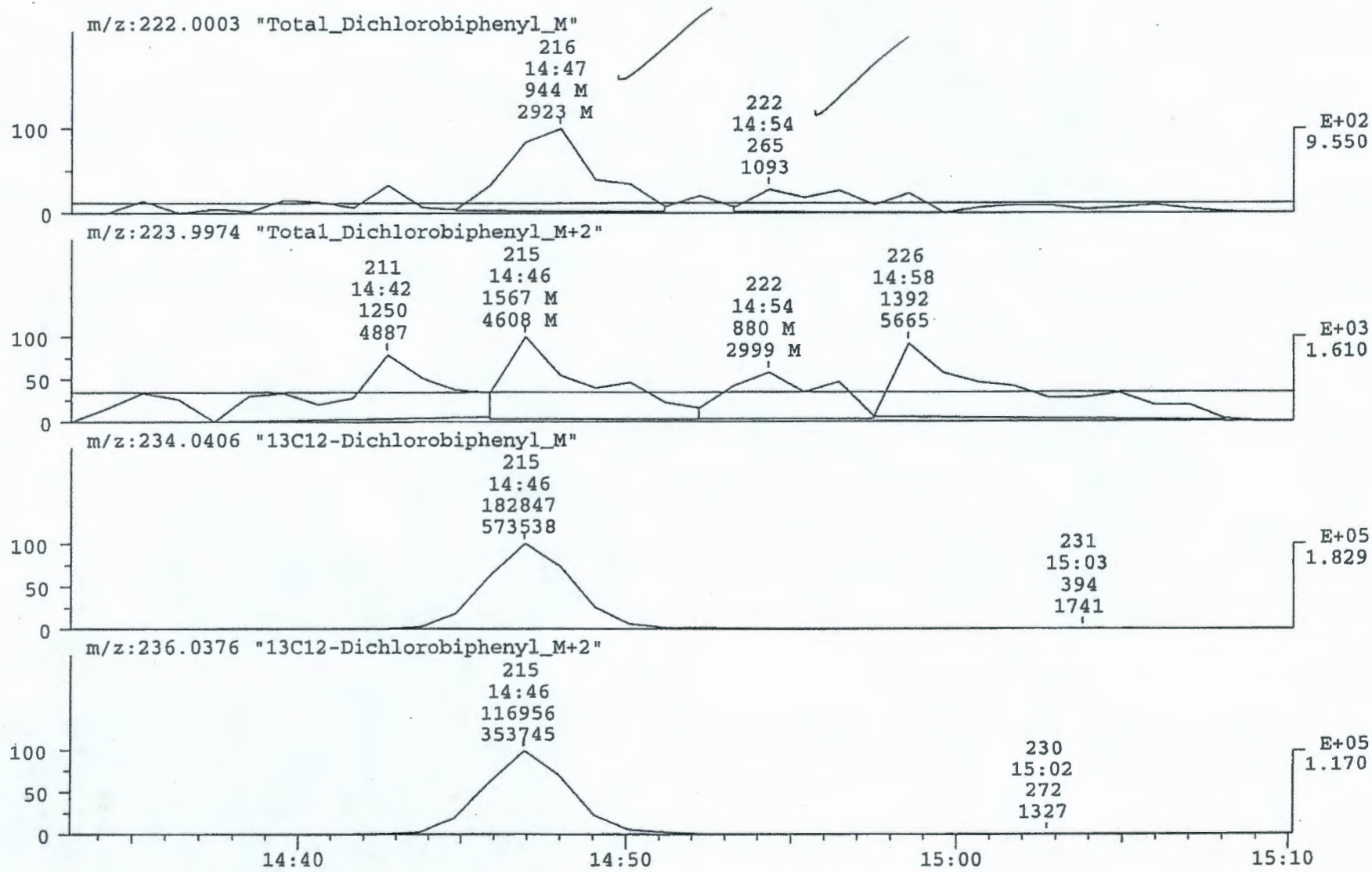
CHRO: apj64jx 28-Sep-07 Elapse: 17:43.2 382
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 182 > 582 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



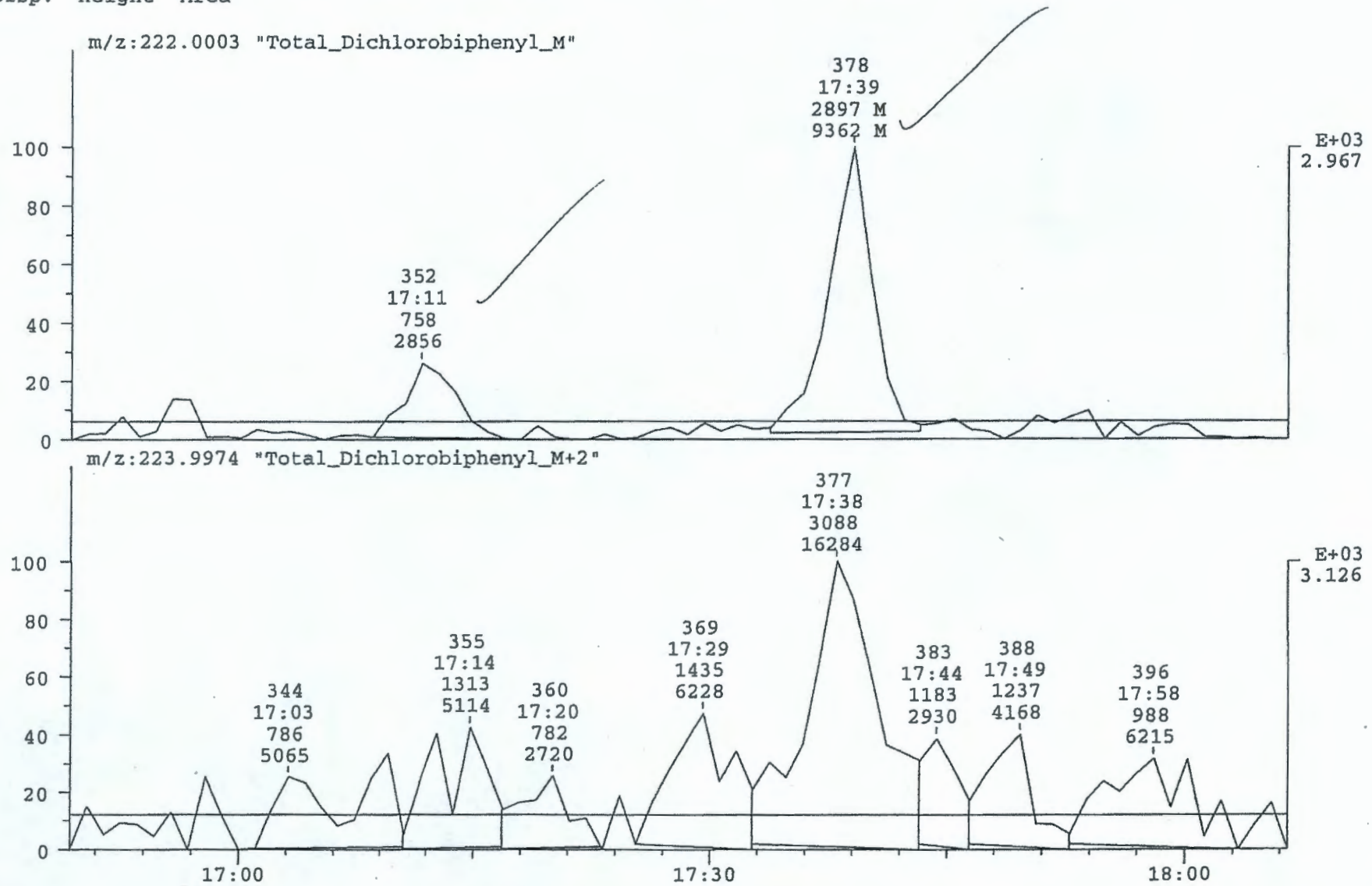
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  17:43.2      382
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   172 > 602           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



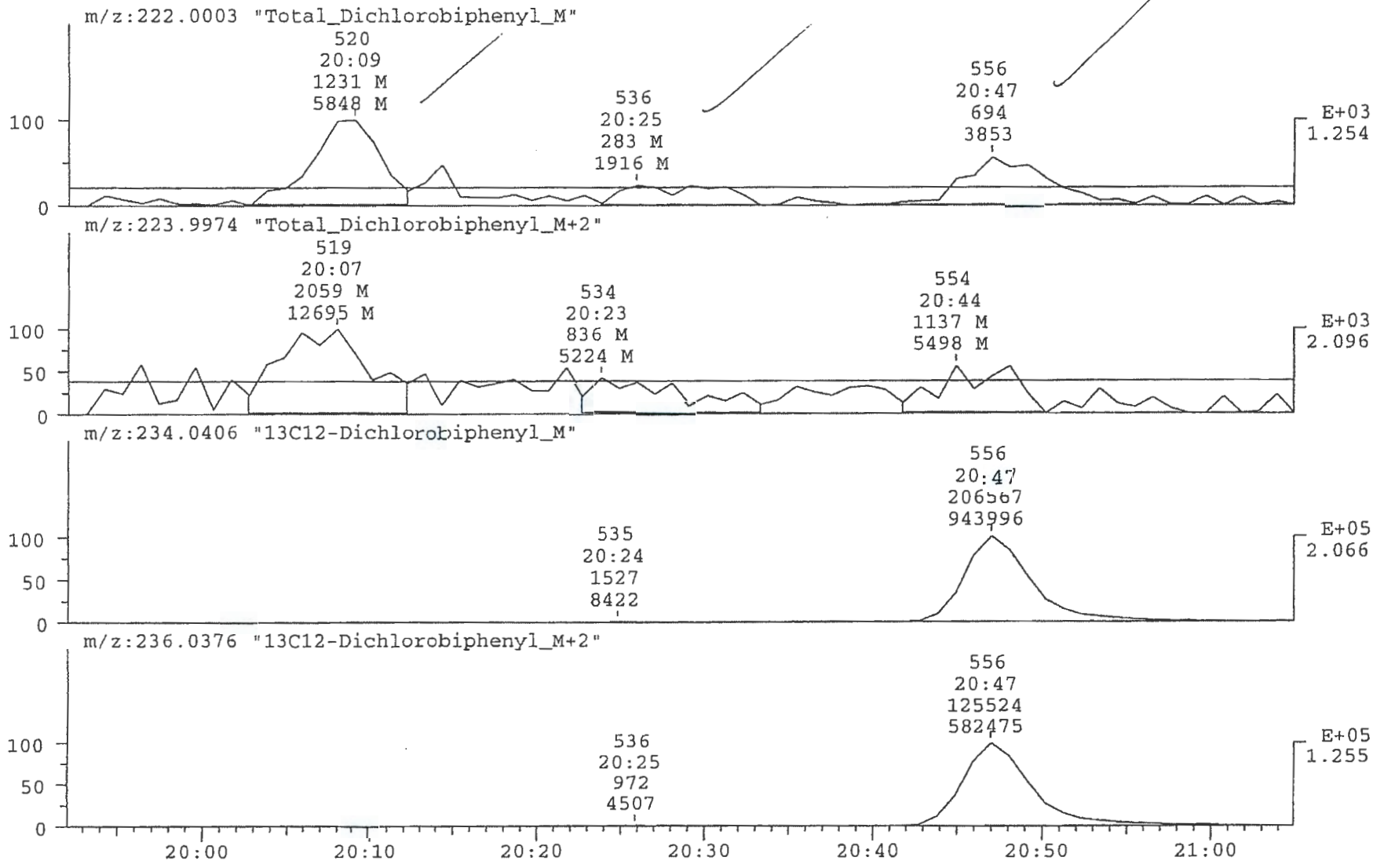
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   202 > 237          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



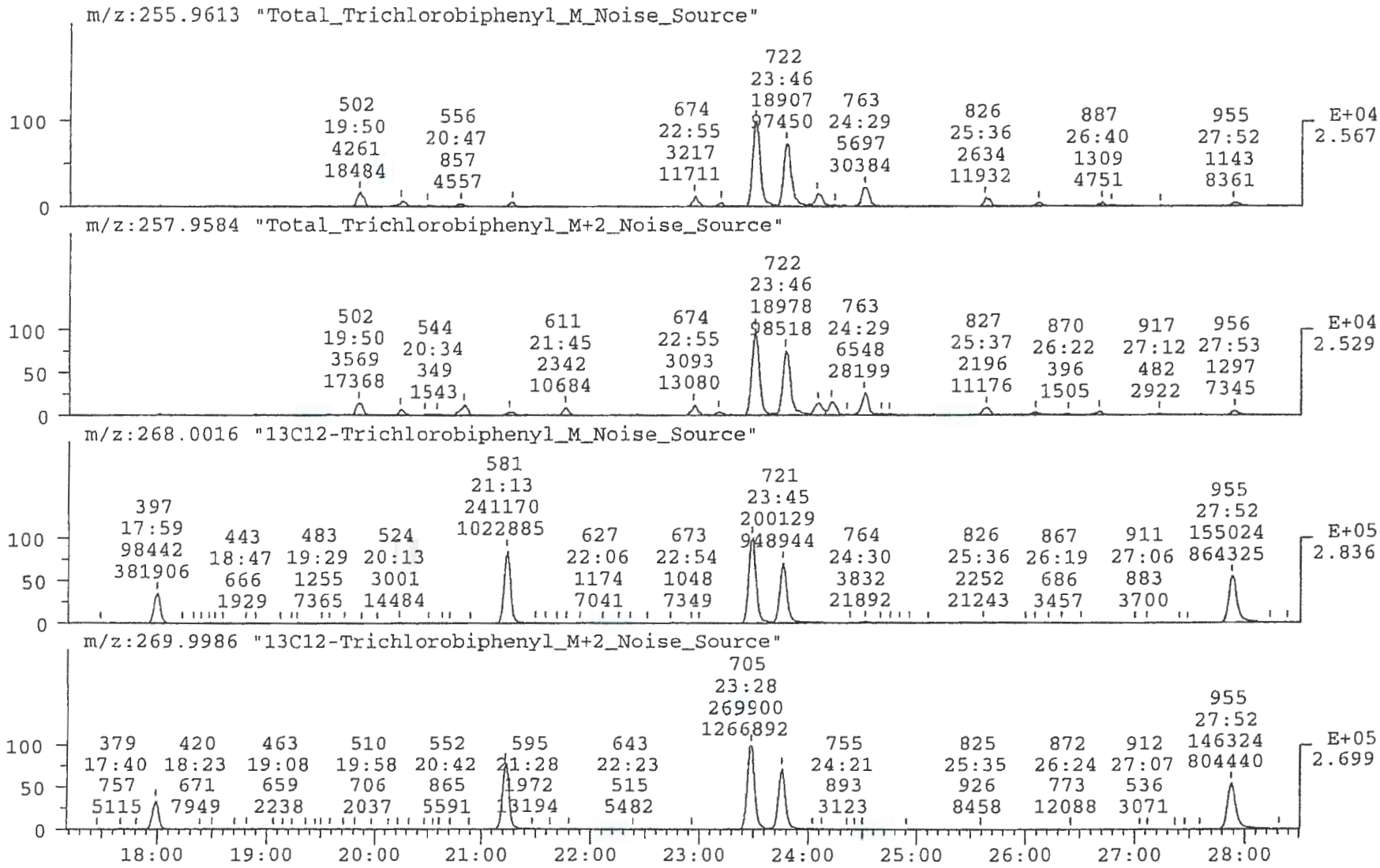
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG          Client:  H7I180256-002               Inlet :  GC     Vial 35
Peak:  100.00  ppm     Label wndw:   331 > 404           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



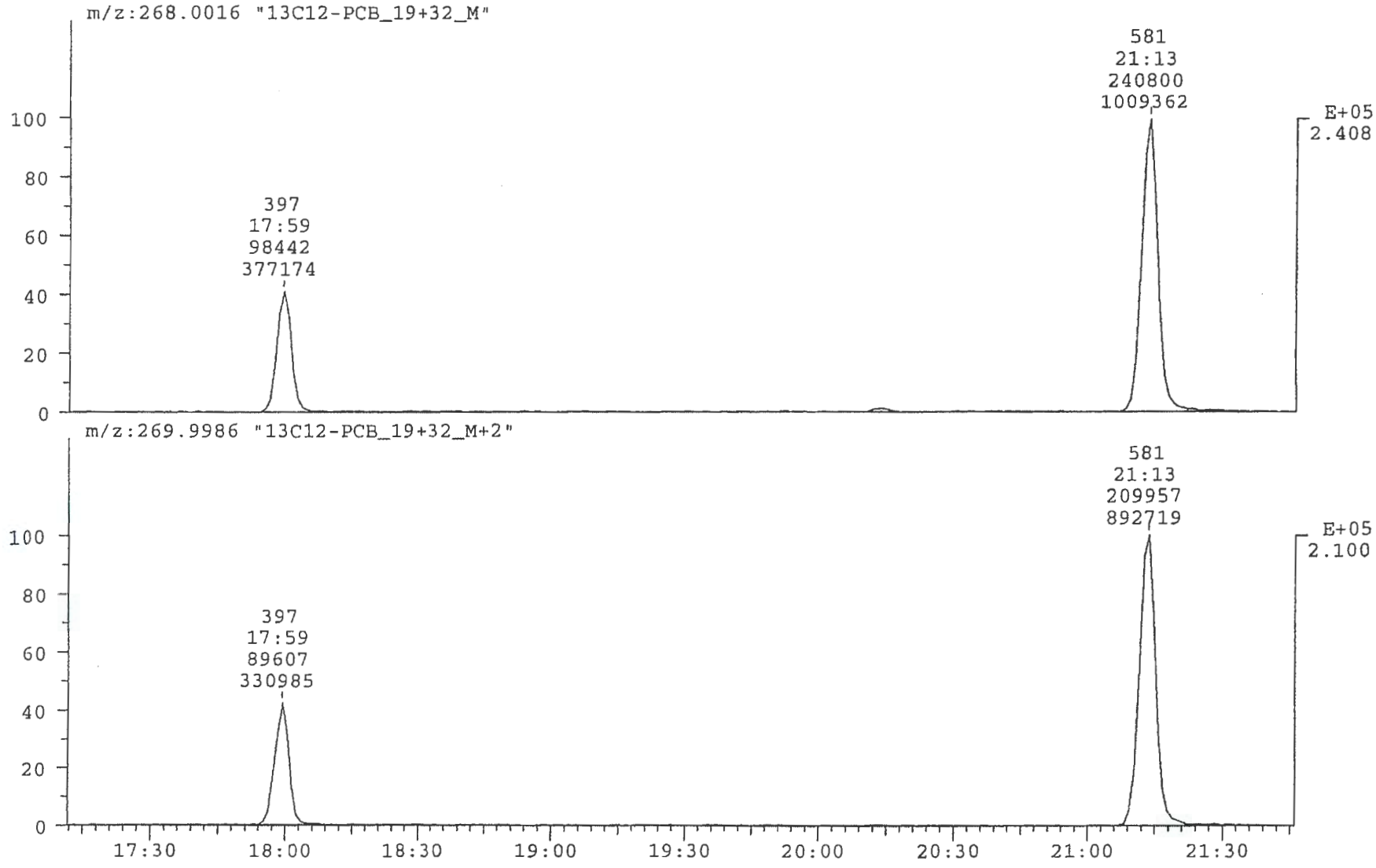
CHRO: apj64jx 28-Sep-07 Elapse: 56:10 2554
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 504 > 573 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -4, 4.0
Disp: Height Area



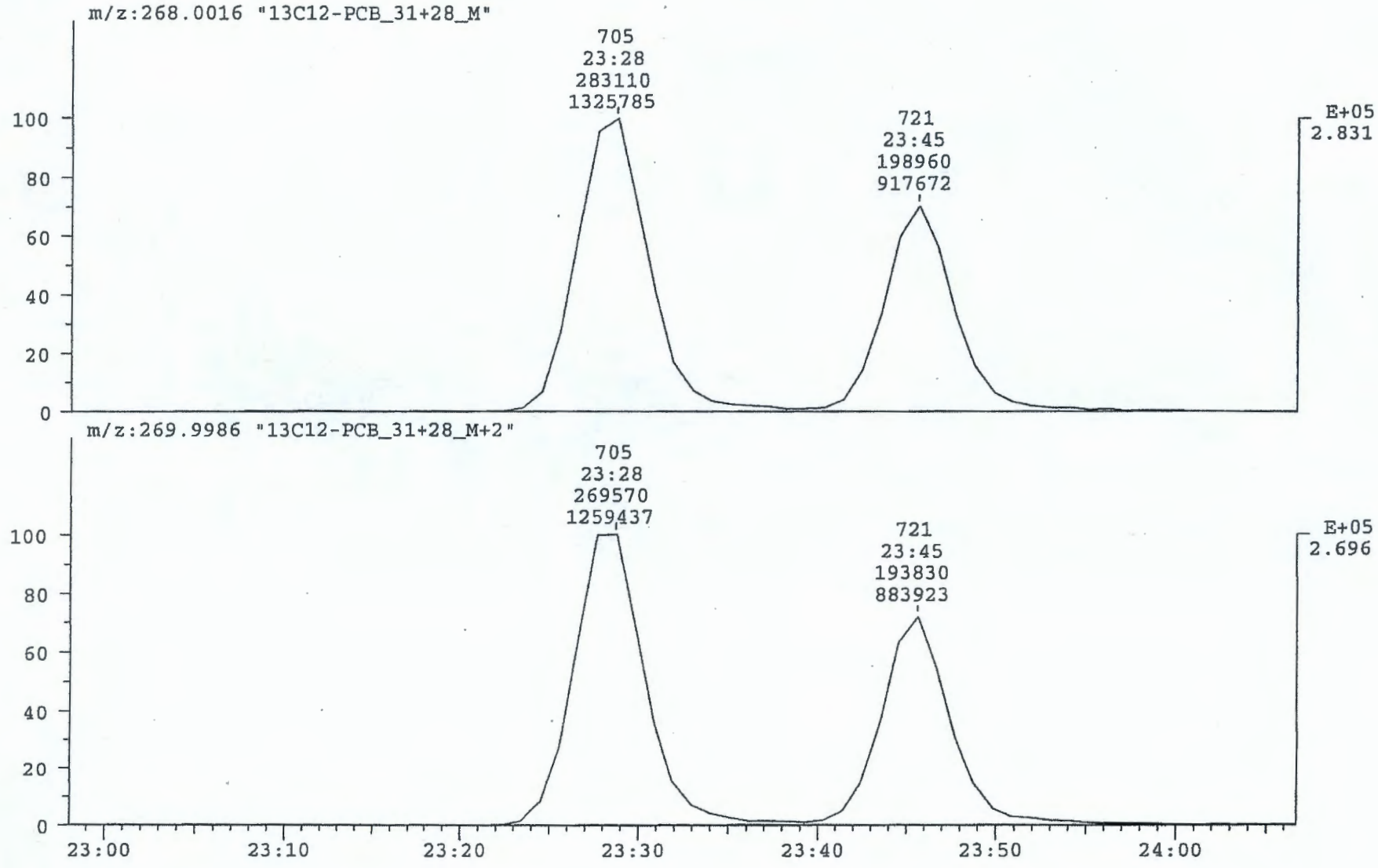
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  22:52.8      671
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25    2602
Comm:  Inst=mid/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC      Vial  35
Peak:  100.00  ppm      Label wndw:   351 > 991           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



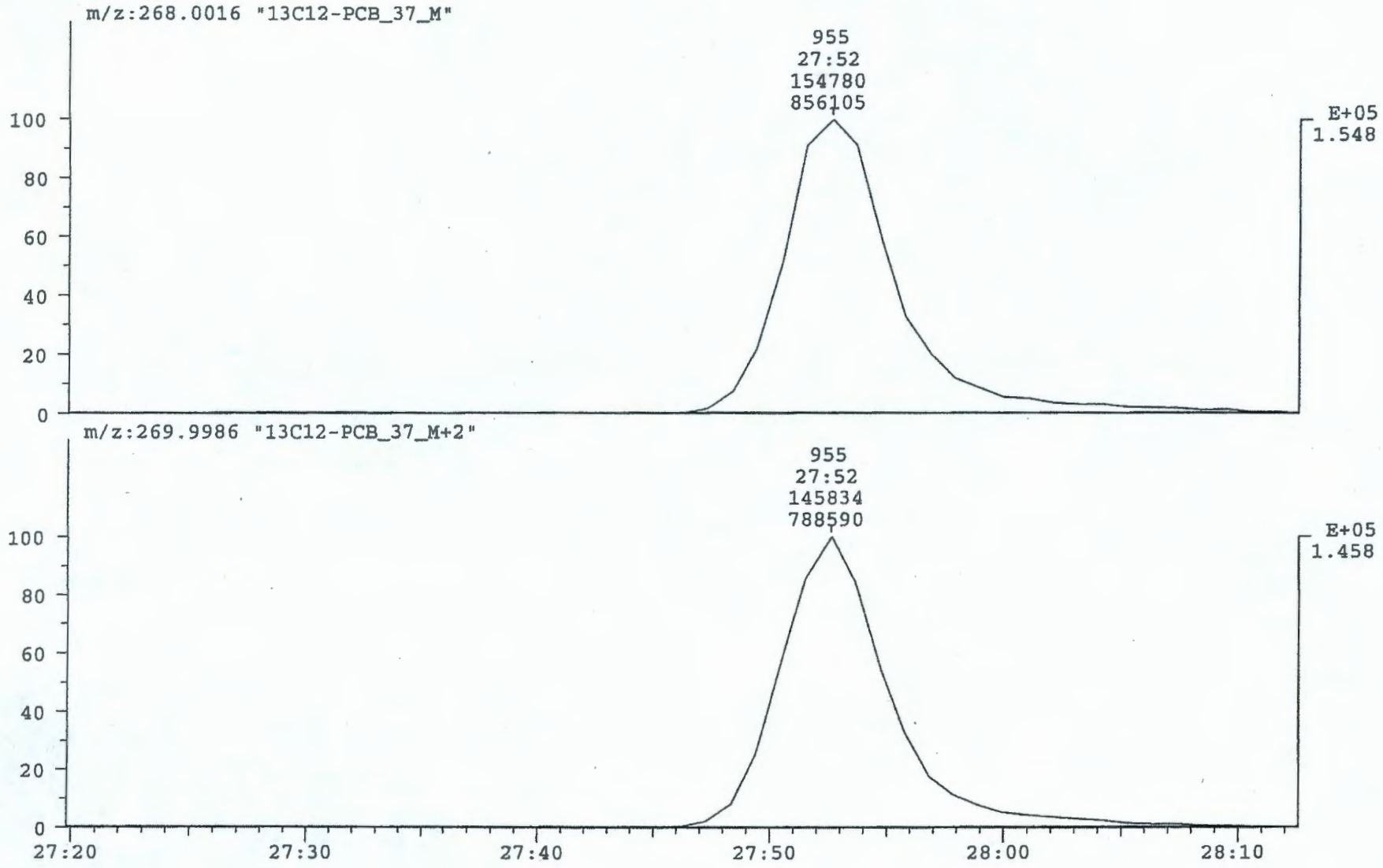
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  19:18.3      472
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25    2602
Comm:  Inst=mld/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   352 > 612           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 1              Label :  -3, 3.0
Disp:  Height  Area
```



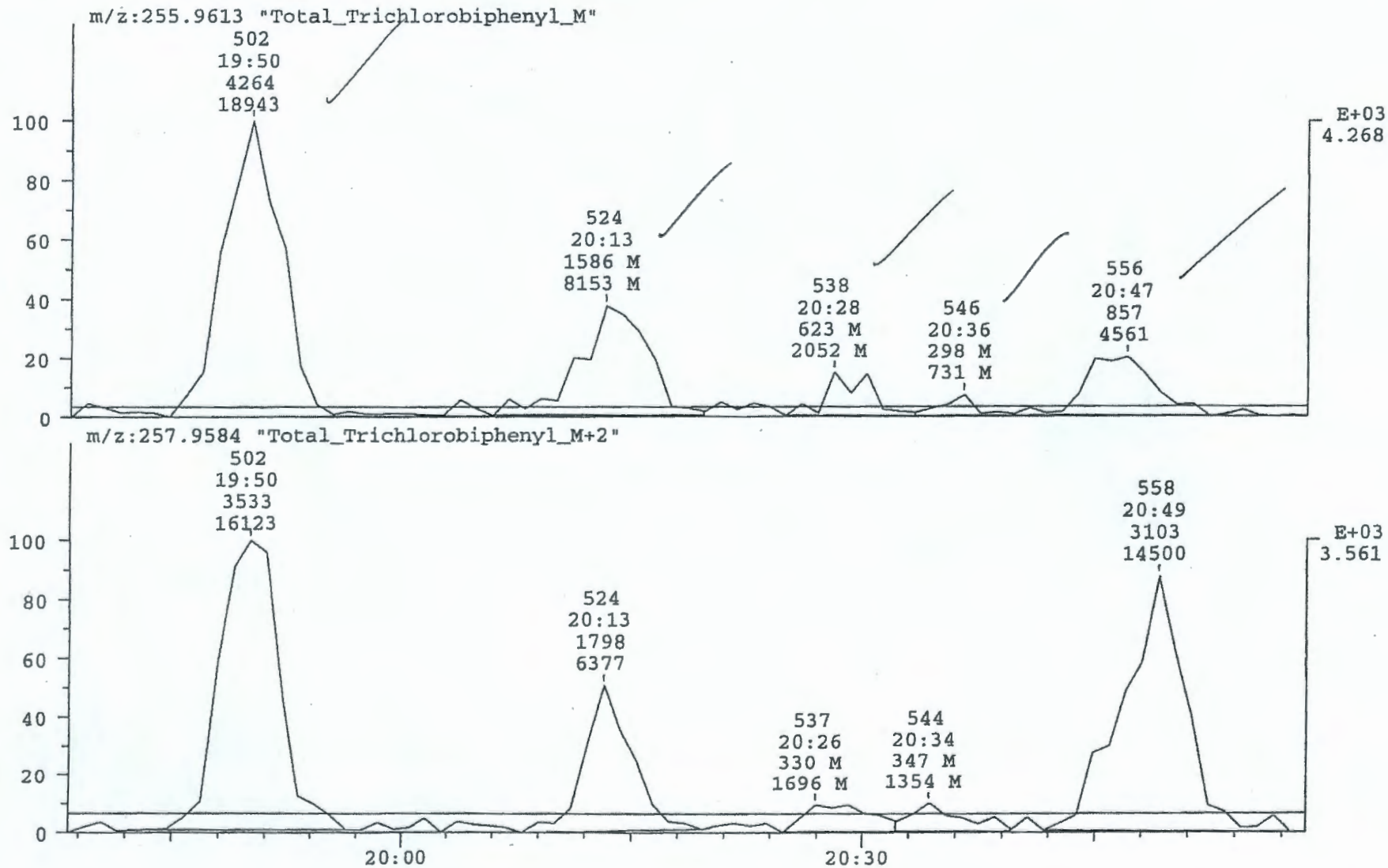
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  23:24.5      701
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   676 > 741           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



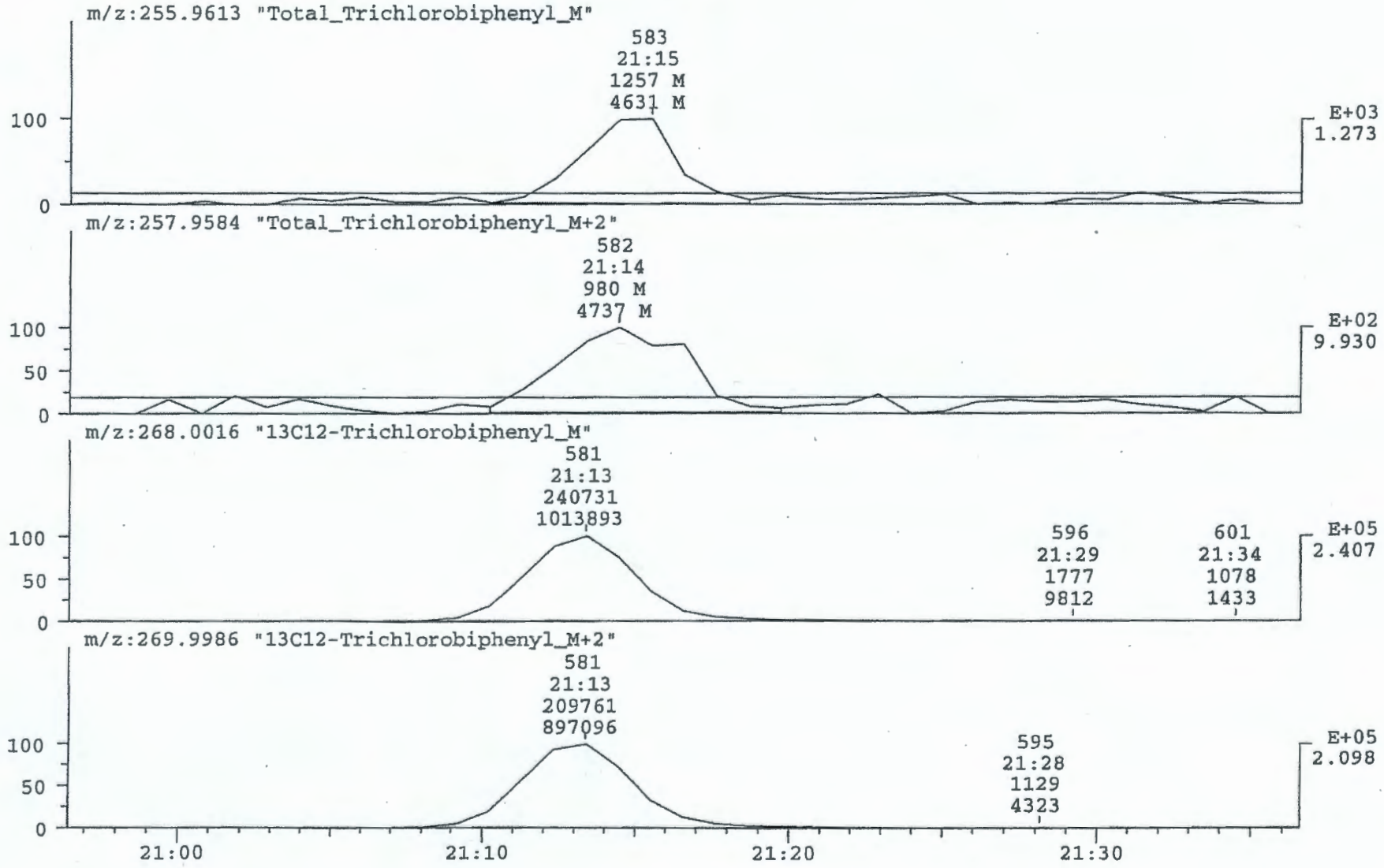
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  27:46.2      949
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC      Vial  35
Peak:  100.00  ppm      Label wndw:   924 > 974          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



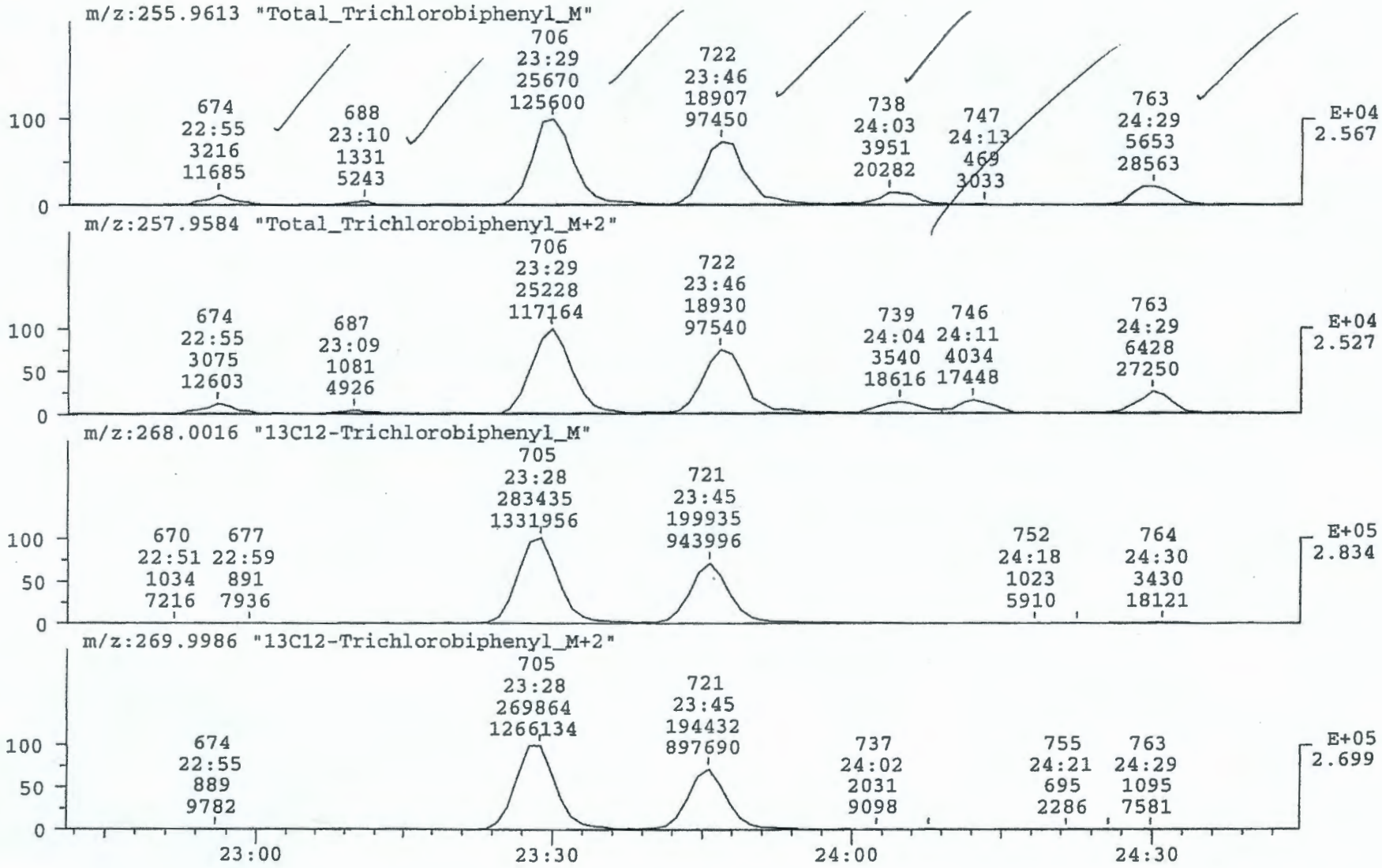
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG          Client:  H7I180256-002               Inlet :  GC     Vial 35
Peak:  100.00  ppm     Label wndw:   491 > 567           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



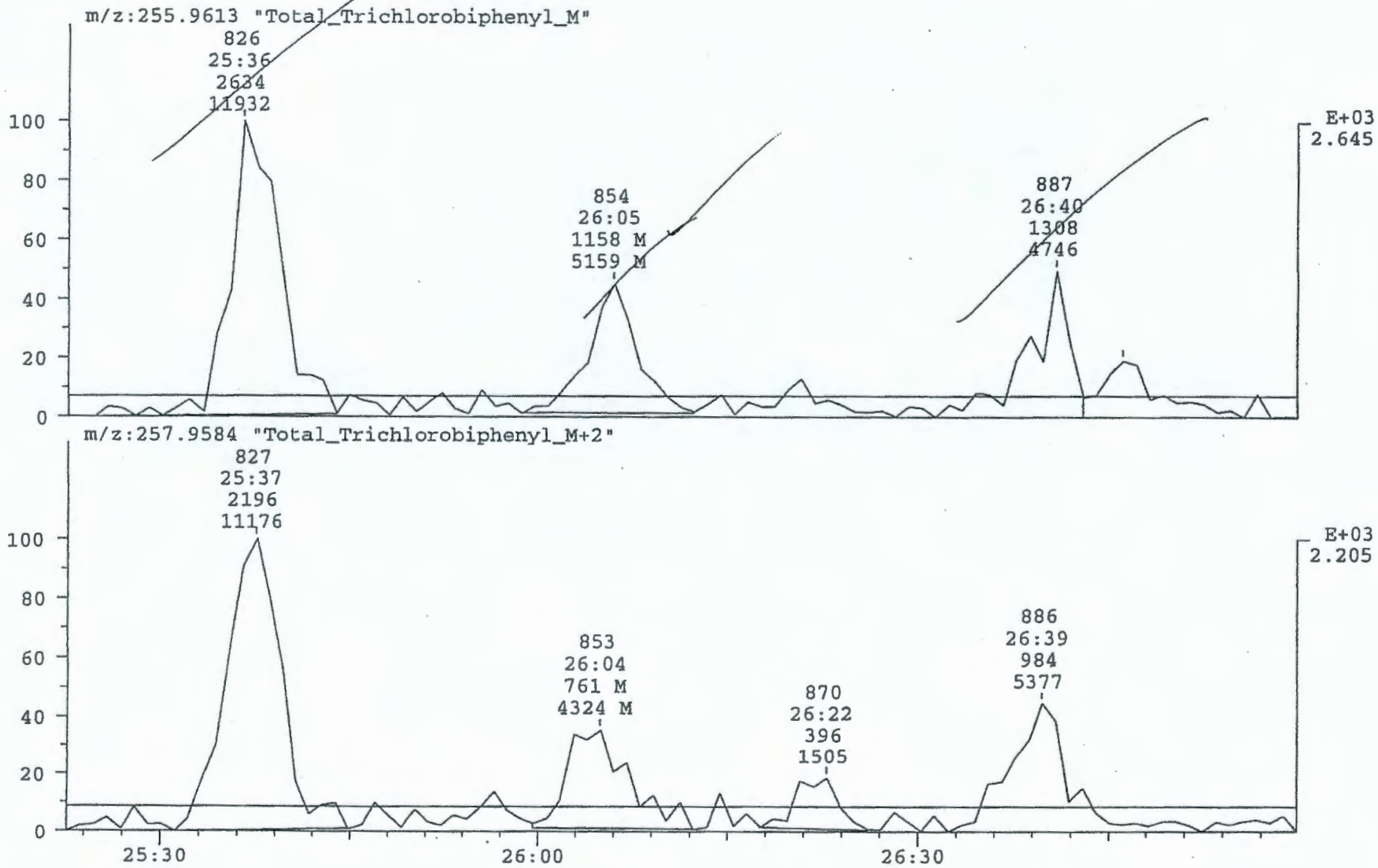
CHRO: apj64jx 28-Sep-07 Elapse: 47:41 2077
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 565 > 603 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



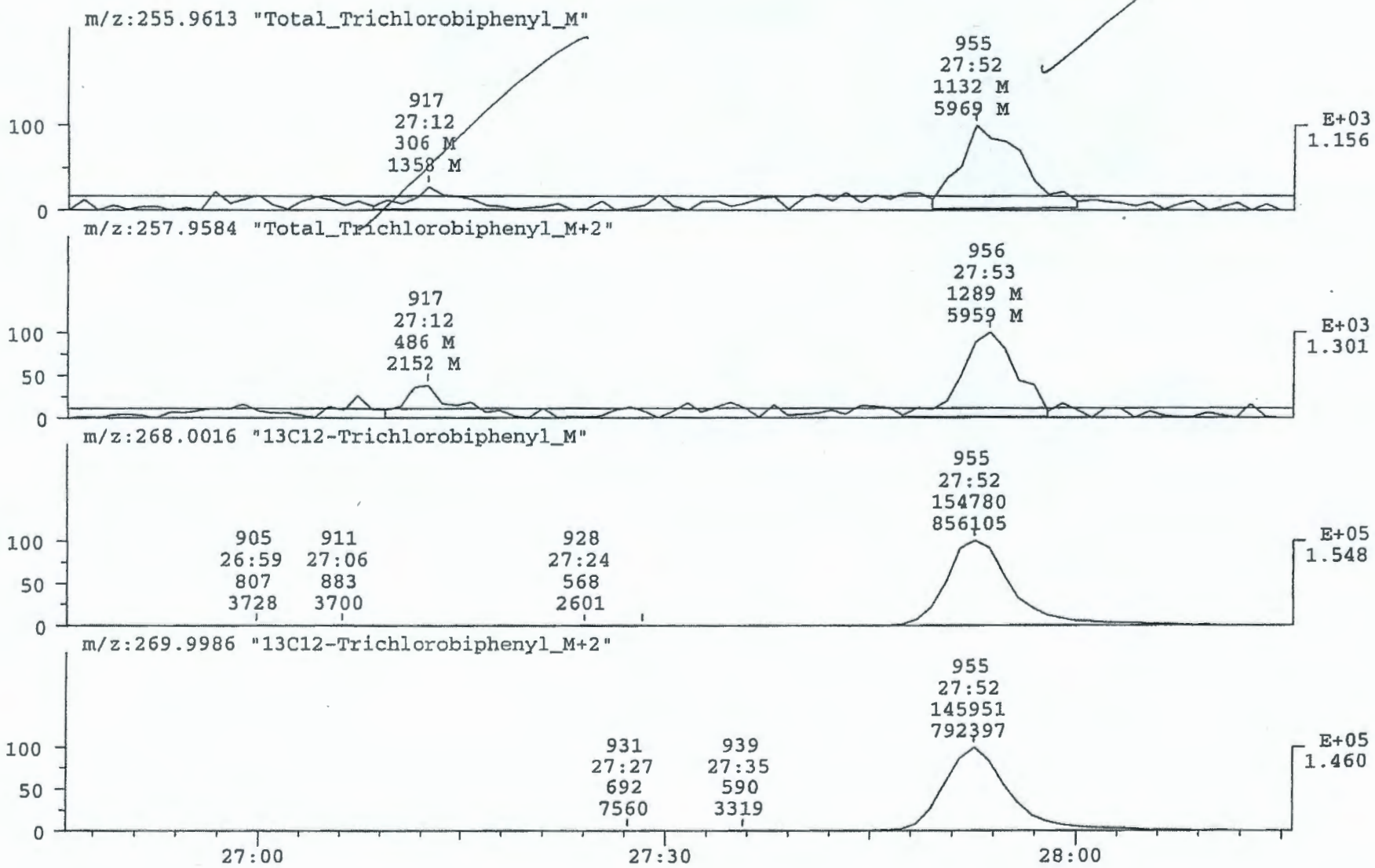
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   660 > 777           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



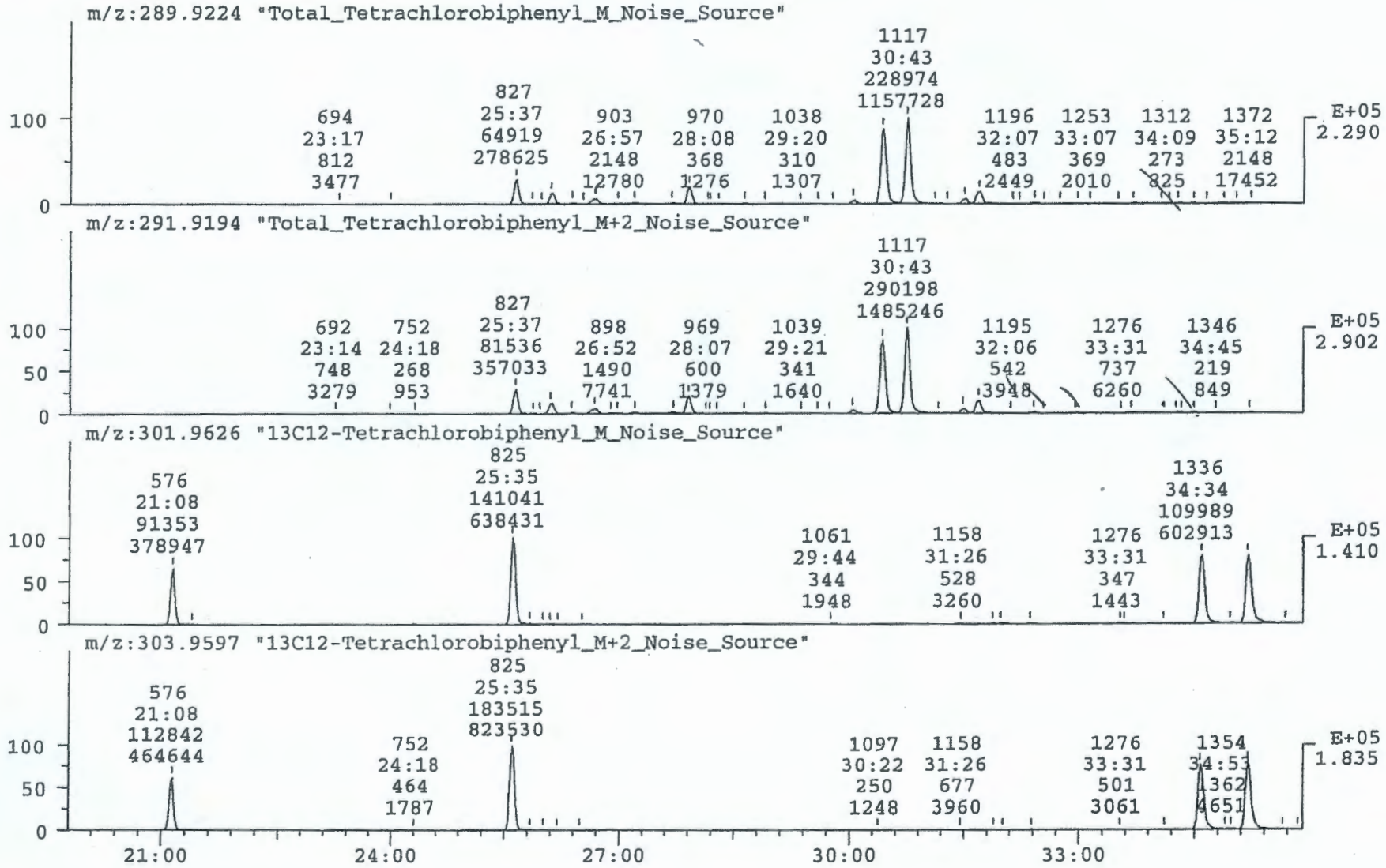
CHRO: apj64jx 28-Sep-07 Elapse: 56:10 2554
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 813 > 905 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



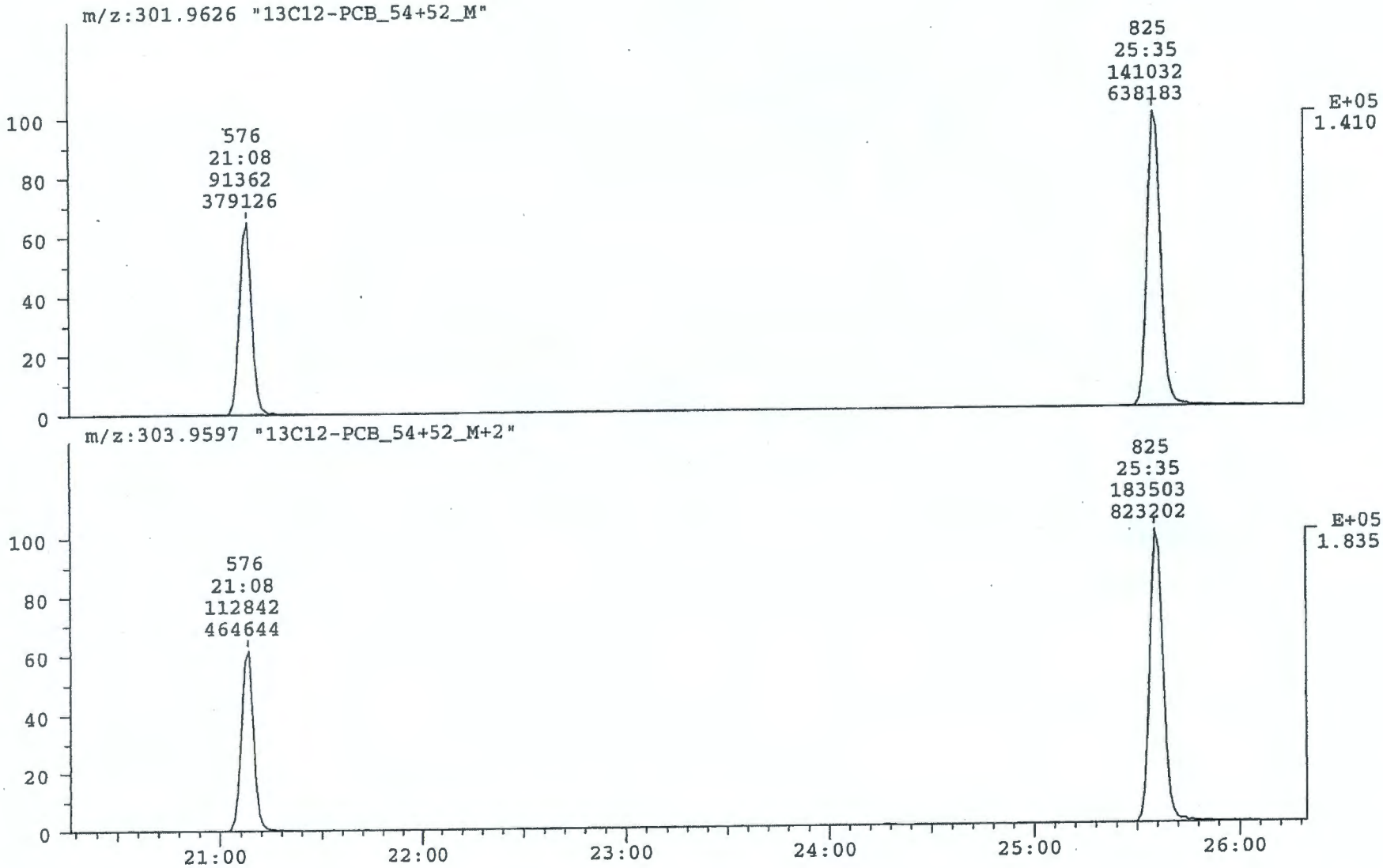
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   892 > 977           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



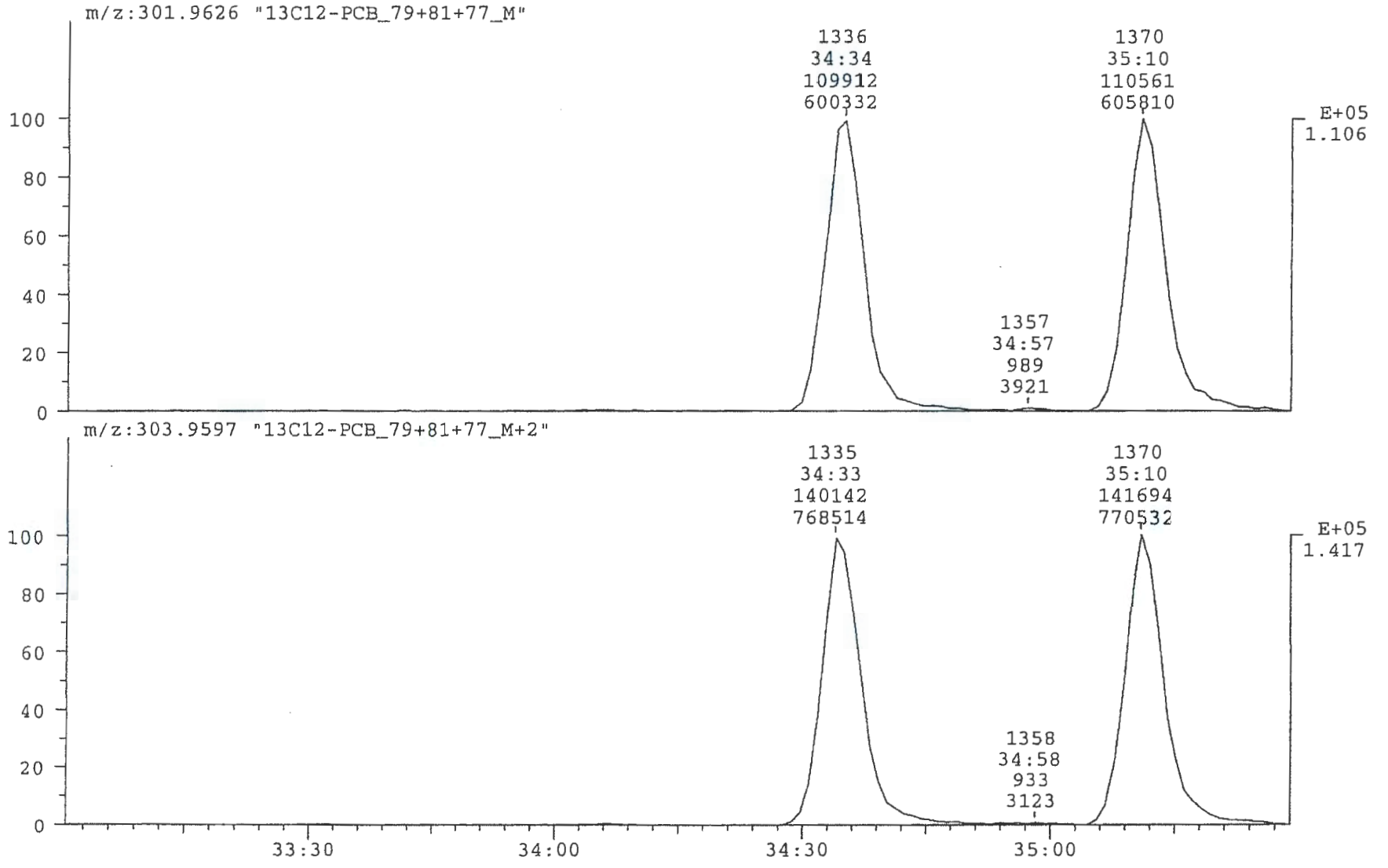
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  27:51.5     954
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   500 > 1411          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



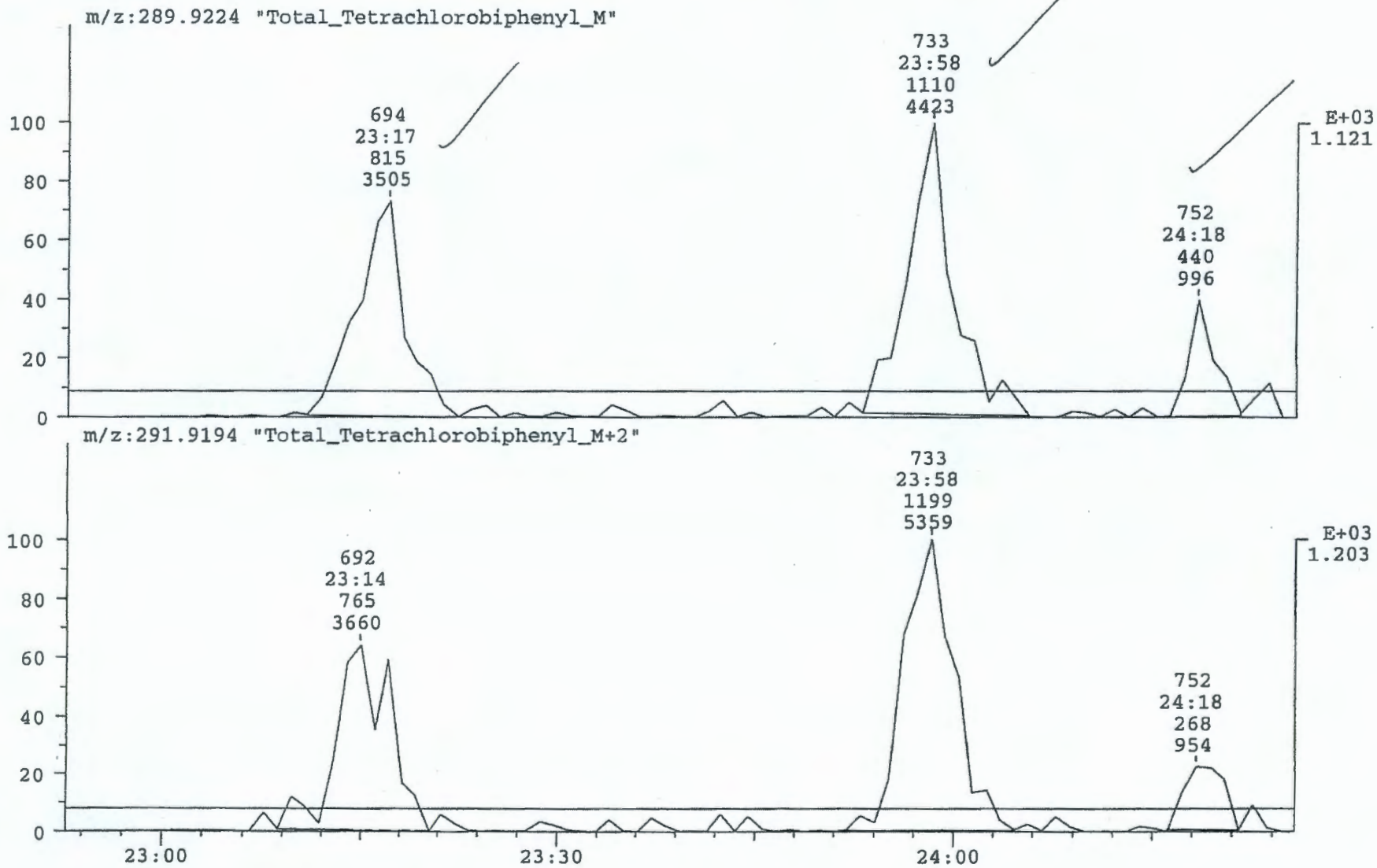
```
CHRO:  apj64jx                                  28-Sep-07  Elapse:  23:20.2      697
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                  Start :  19:15:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002               Inlet :  GC      Vial  35
Peak:  100.00  ppm      Label wndw:   527 > 867            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



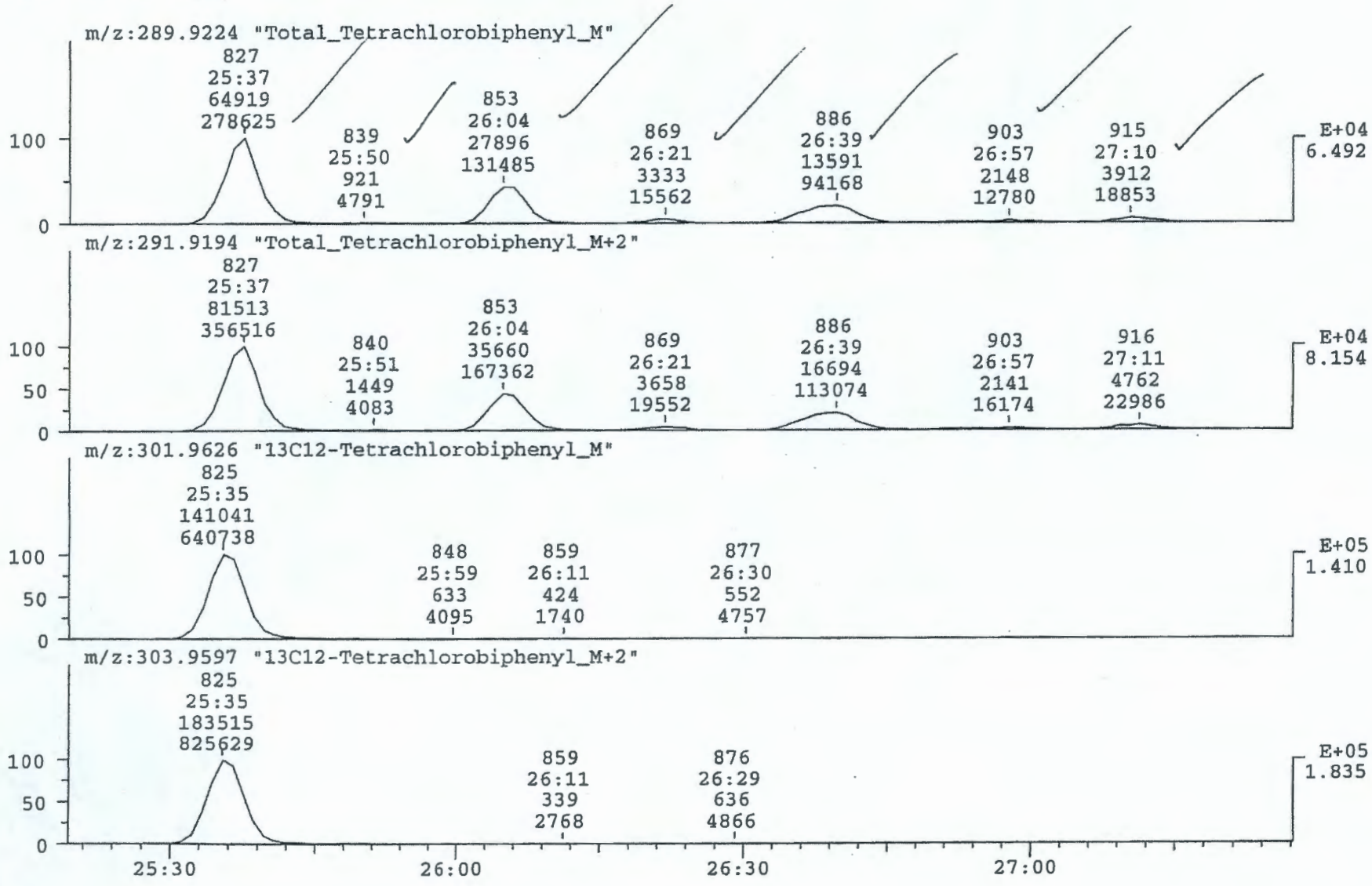
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  34:09      1312
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   1247 > 1387         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



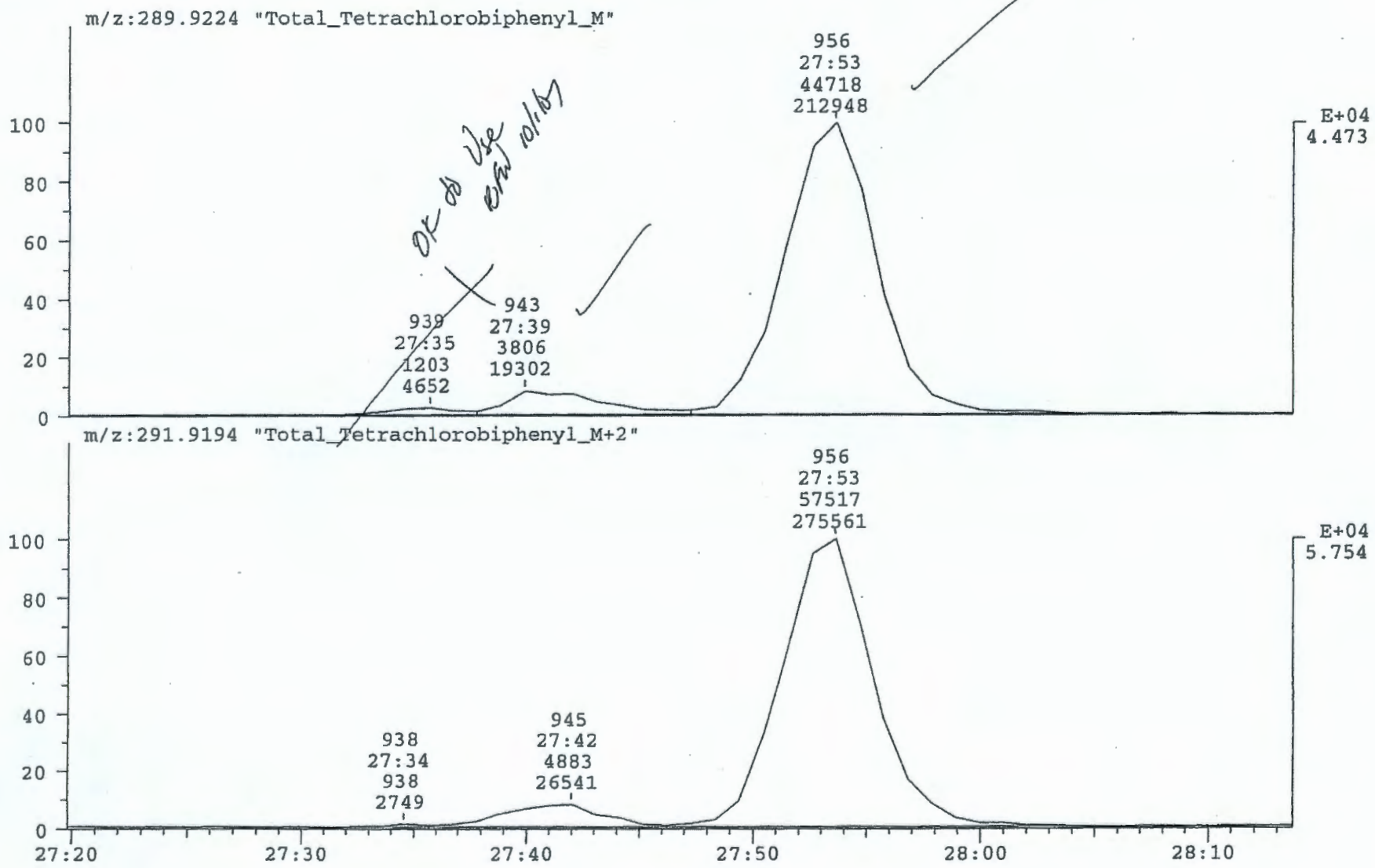
CHRO: apj64jx 28-Sep-07 Elapse: 56:10 2554
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 671 > 759 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



CHRO: apj64jx 28-Sep-07 Elapse: 56:10 2554
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 810 > 931 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 5 Label : -3, 3.0
Disp: Height Area

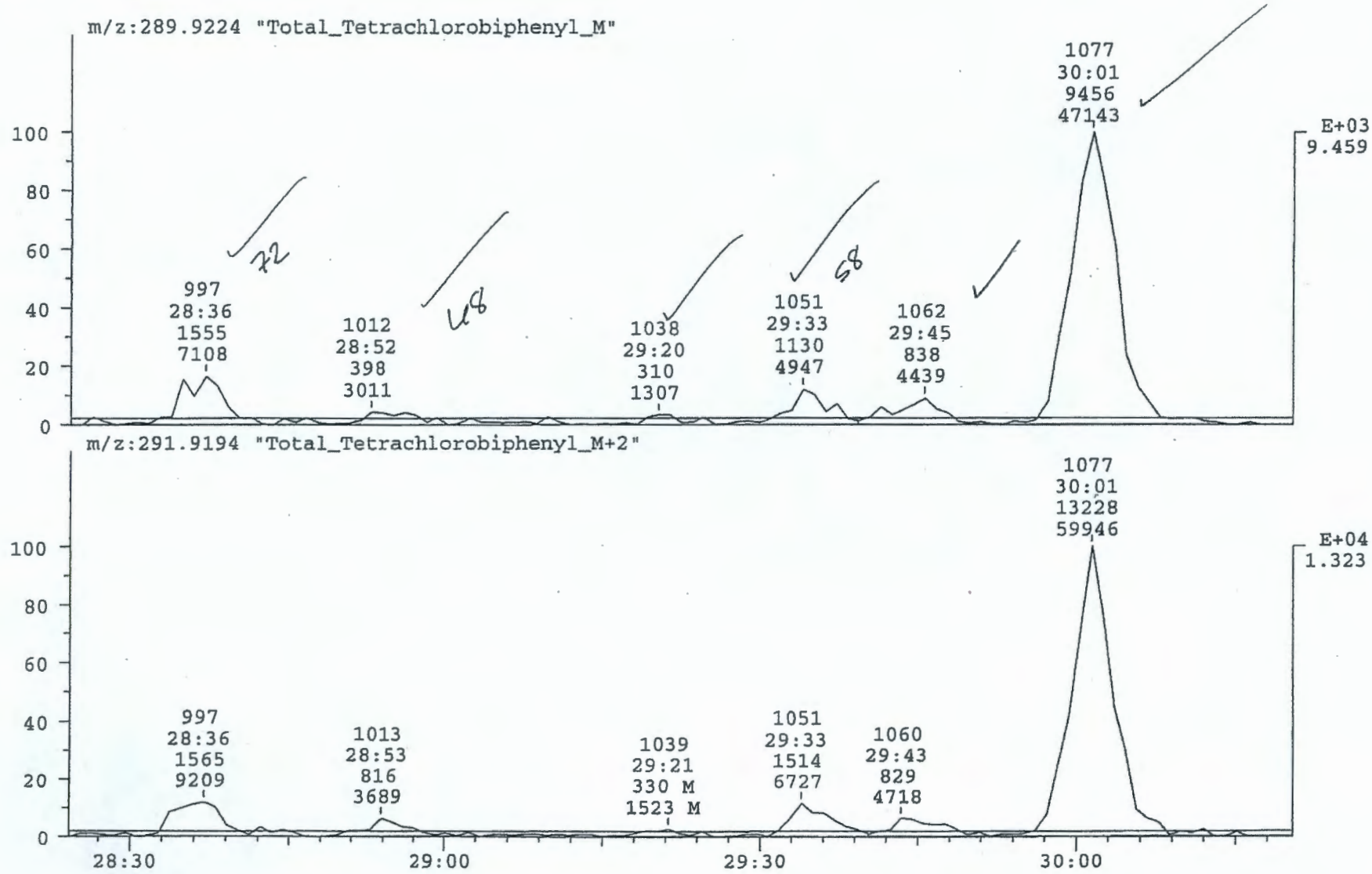


```
CHRO:  apj64jx                                28-Sep-07   Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   924 > 975           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 2               Label :  -3, 3.0
Disp:  Height  Area
```

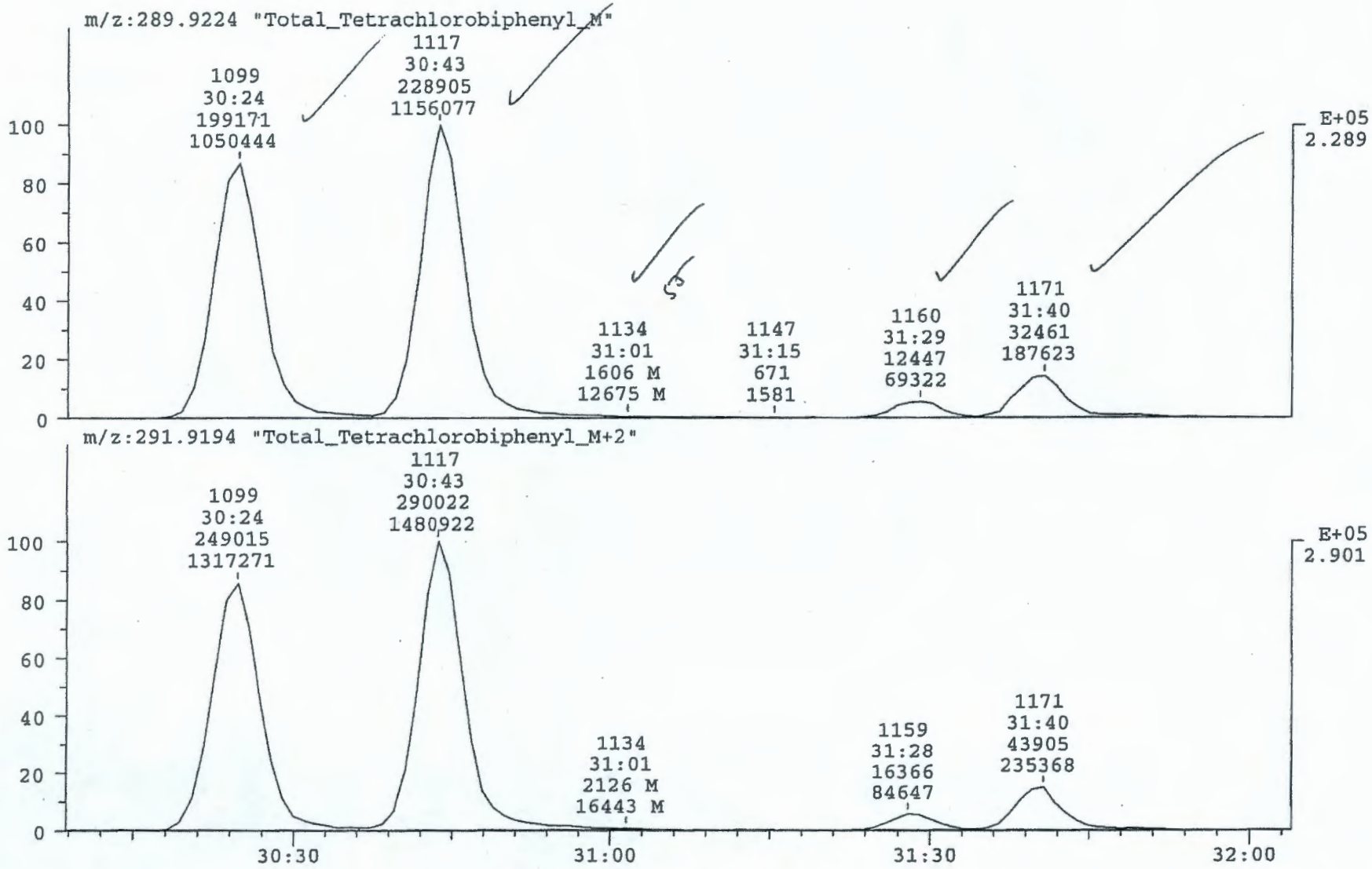


OK to Use
EW 10/1/07

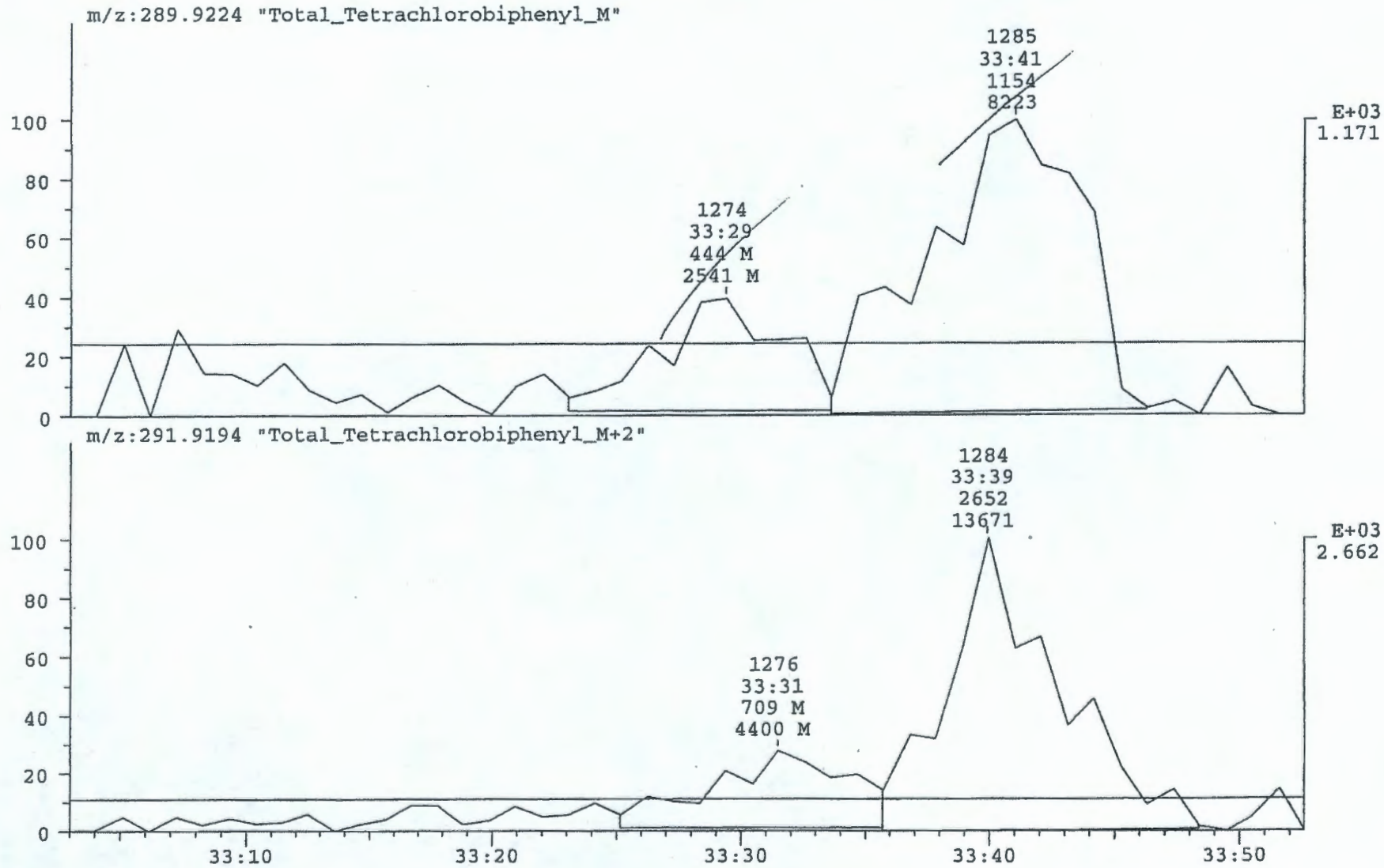
CHRO: apj64jx 28-Sep-07 Elapse: 56:10 2554
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 985 > 1095 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



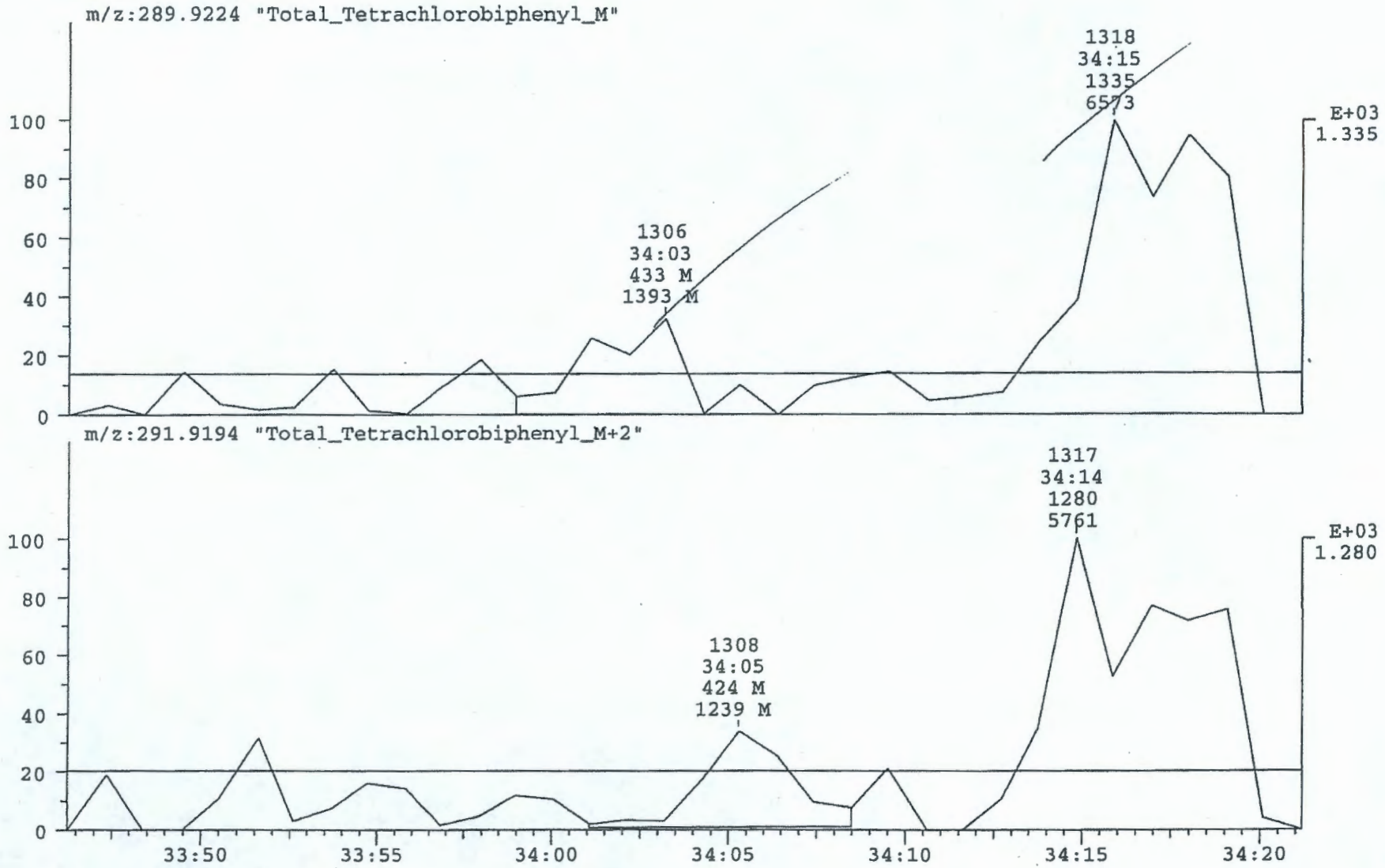
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1084 > 1193        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 4             Label :  -3, 3.0
Disp:  Height  Area
```



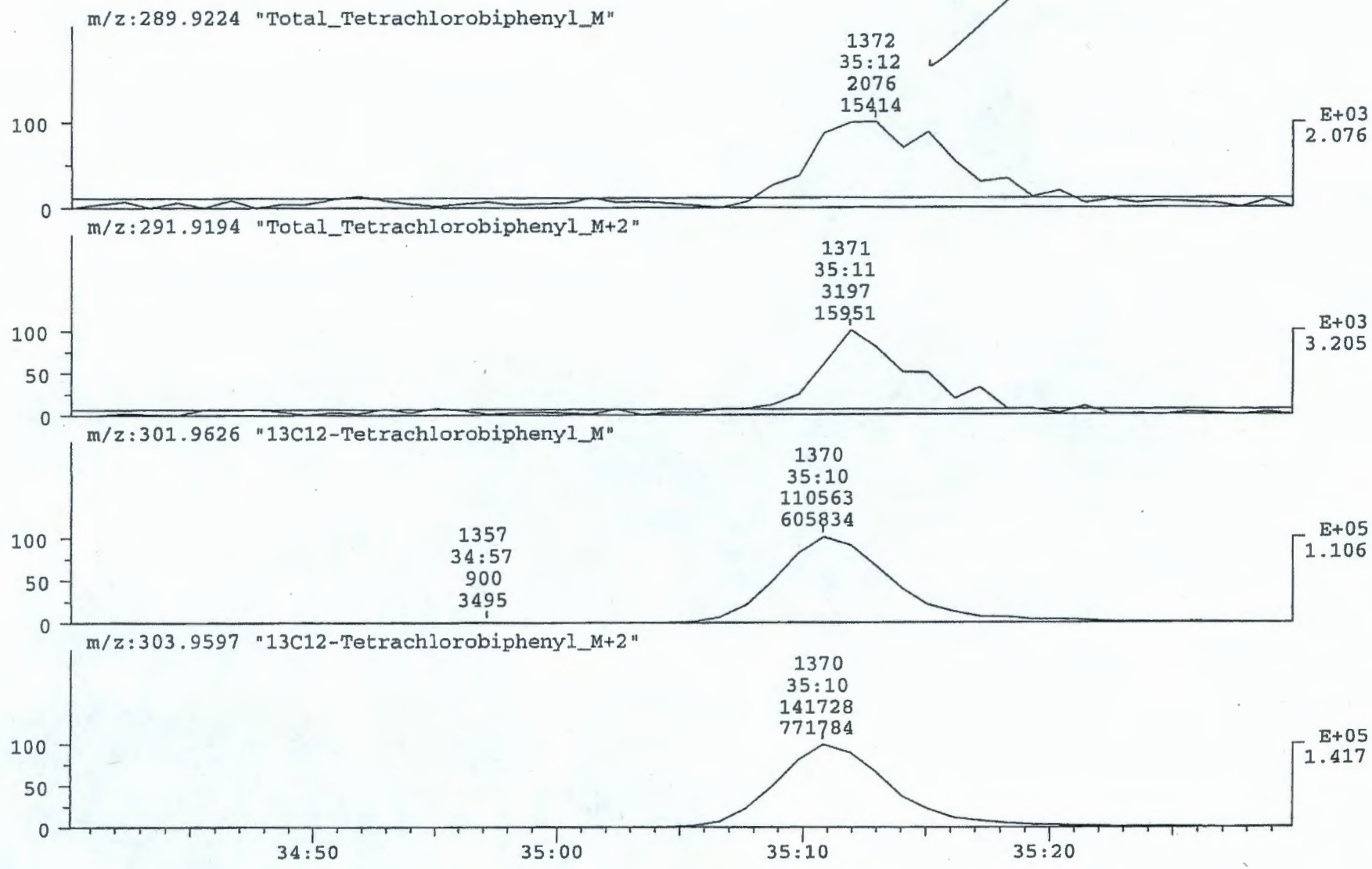
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1249 > 1296        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



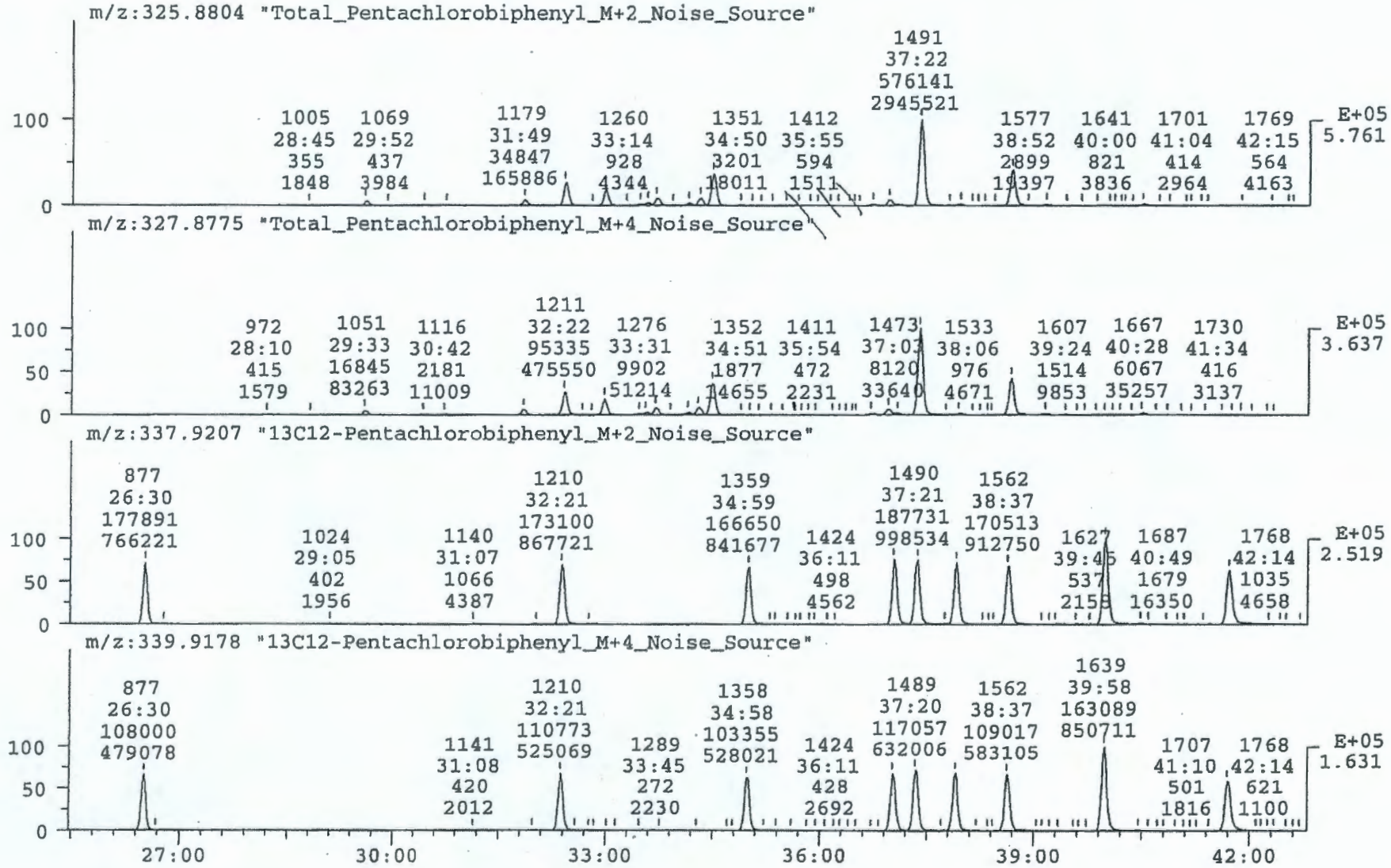
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1290 > 1323        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 4             Label :  -3, 3.0
Disp:  Height  Area
```



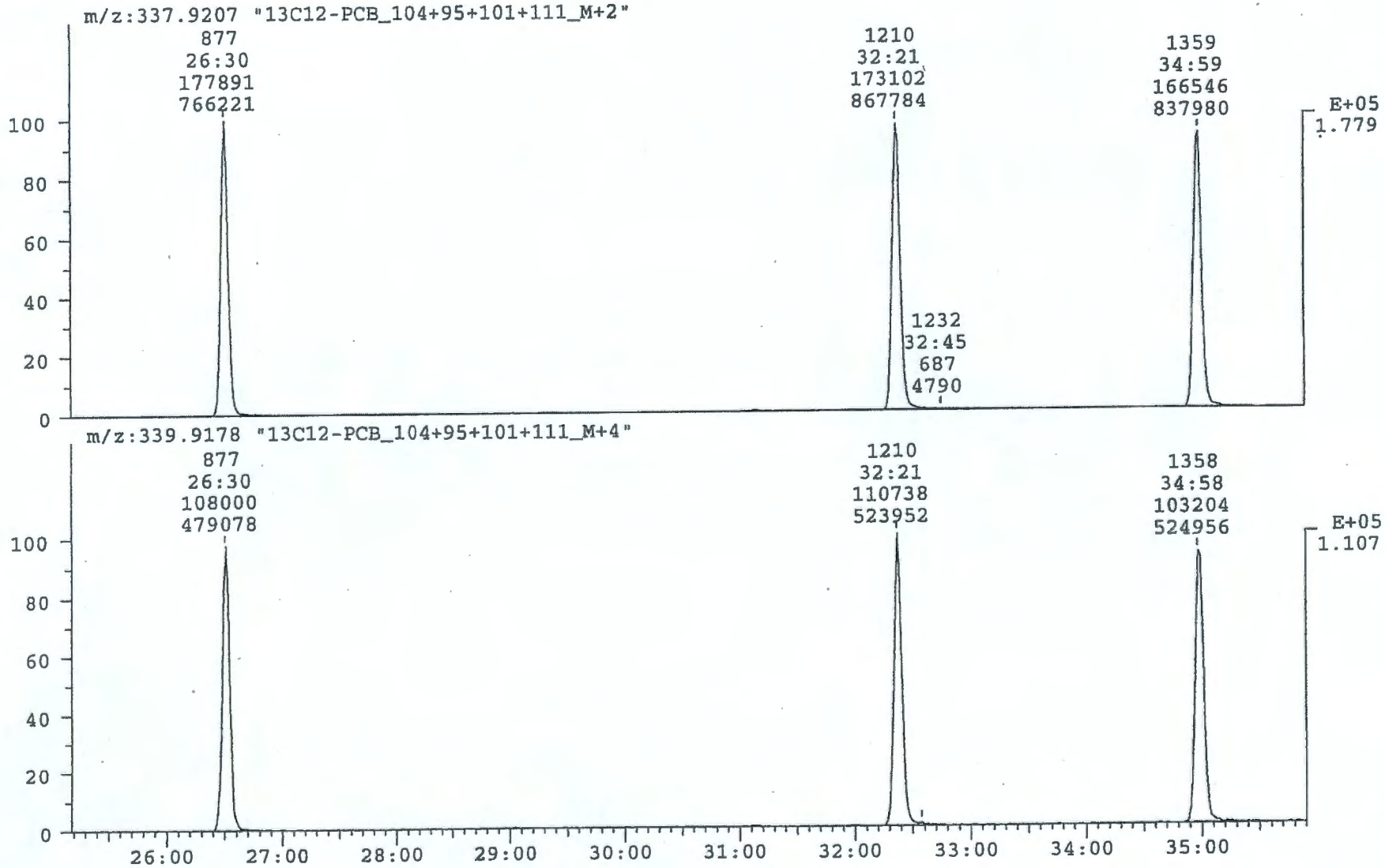
CHRO: apj64jx 28-Sep-07 Elapse: 56:10 2554
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 1341 > 1388 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



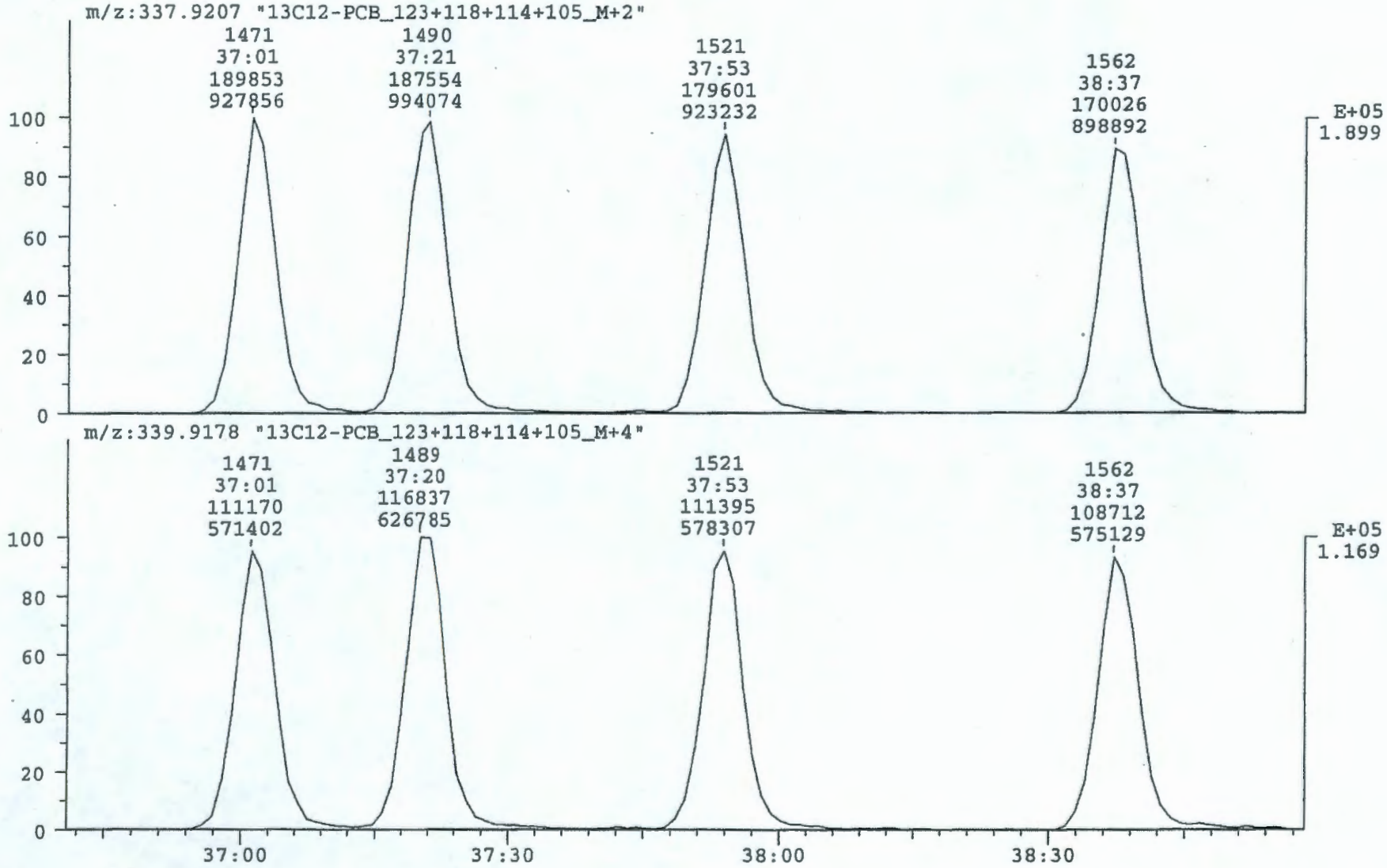
CHRO: apj64jx 28-Sep-07 Elapse: 34:08 1311
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 818 > 1799 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



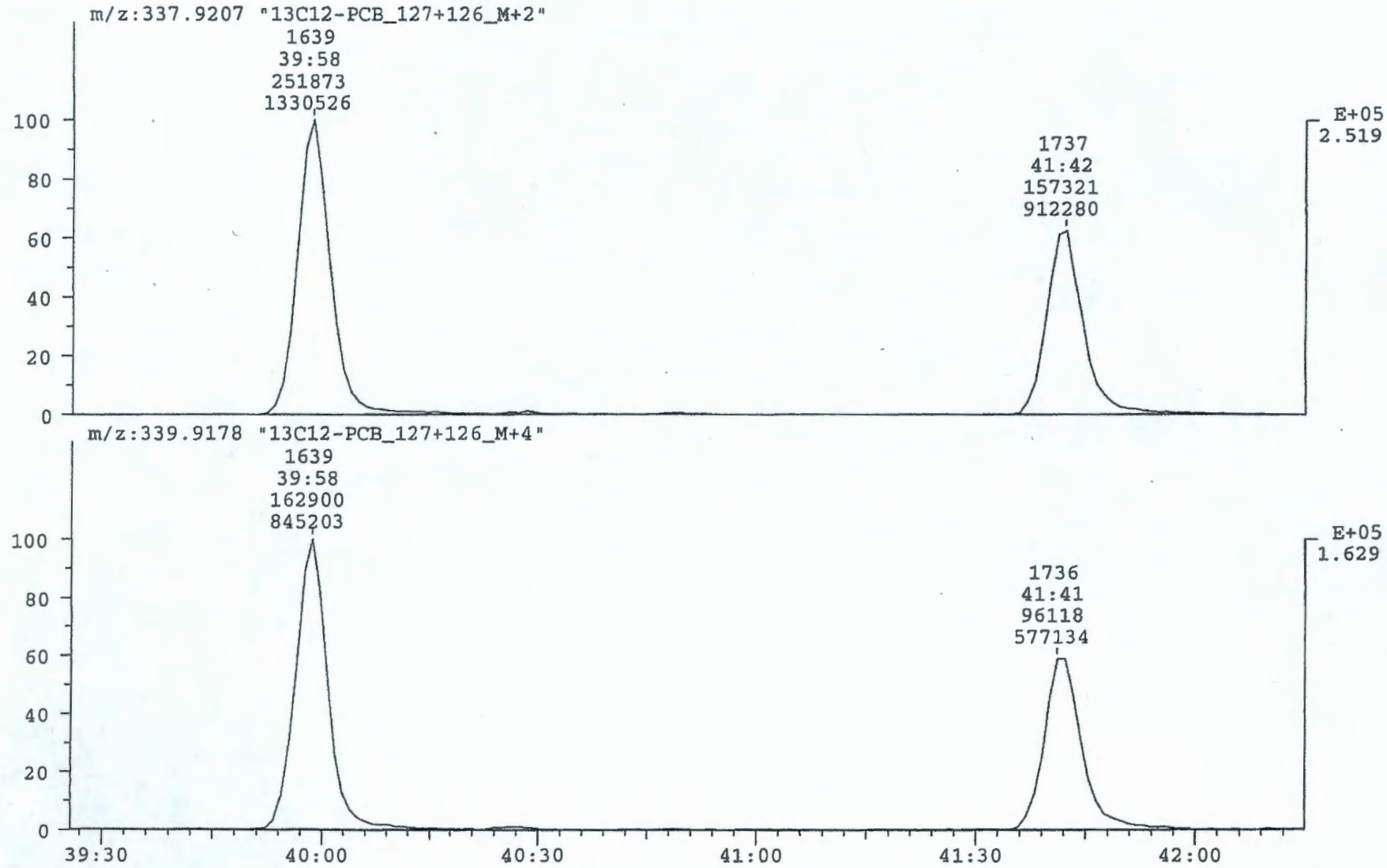
CHRO: apj64jx 28-Sep-07 Elapse: 30:32 1106
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 802 > 1411 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



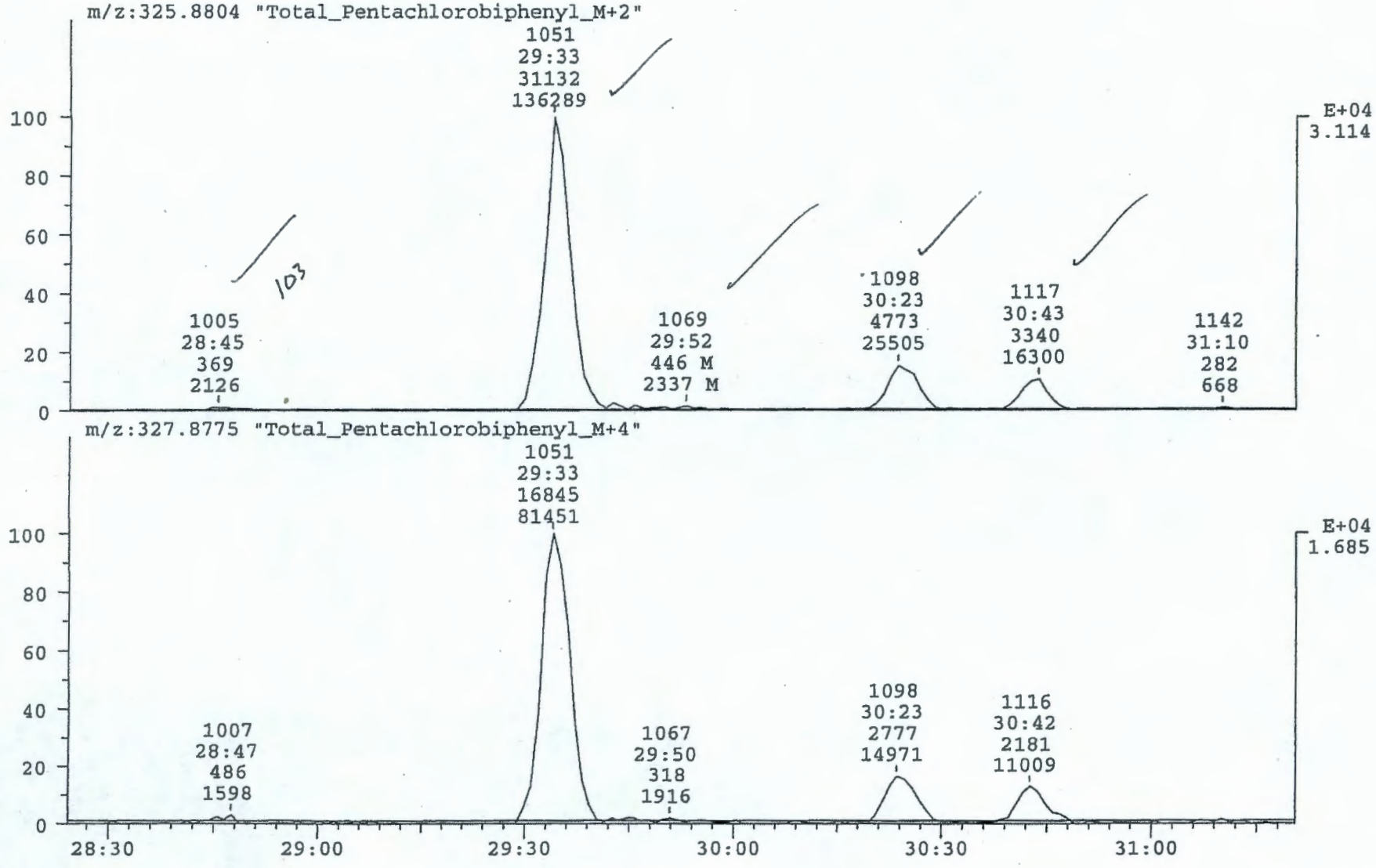
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  37:49      1517
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=mld/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG          Client:  H7I180256-002               Inlet :  GC     Vial 35
Peak:  100.00  ppm     Label wndw:   1452 > 1582         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



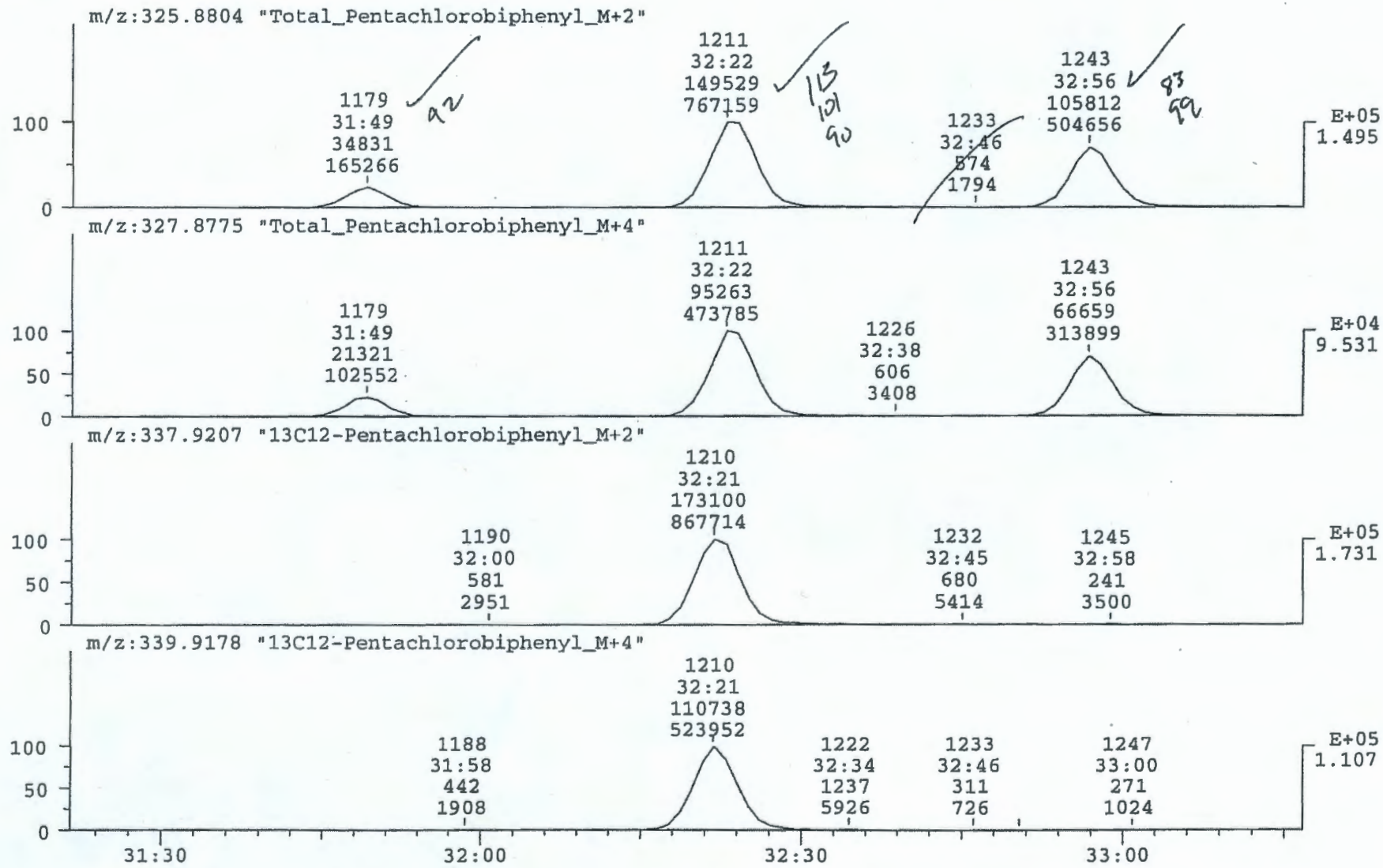
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  40:50      1688
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG          Client:  H7I180256-002               Inlet :  GC     Vial 35
Peak:  100.00  ppm    Label wndw:   1608 > 1768          Masses:  181 > 510
Area:  5, 0.50, 15    Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



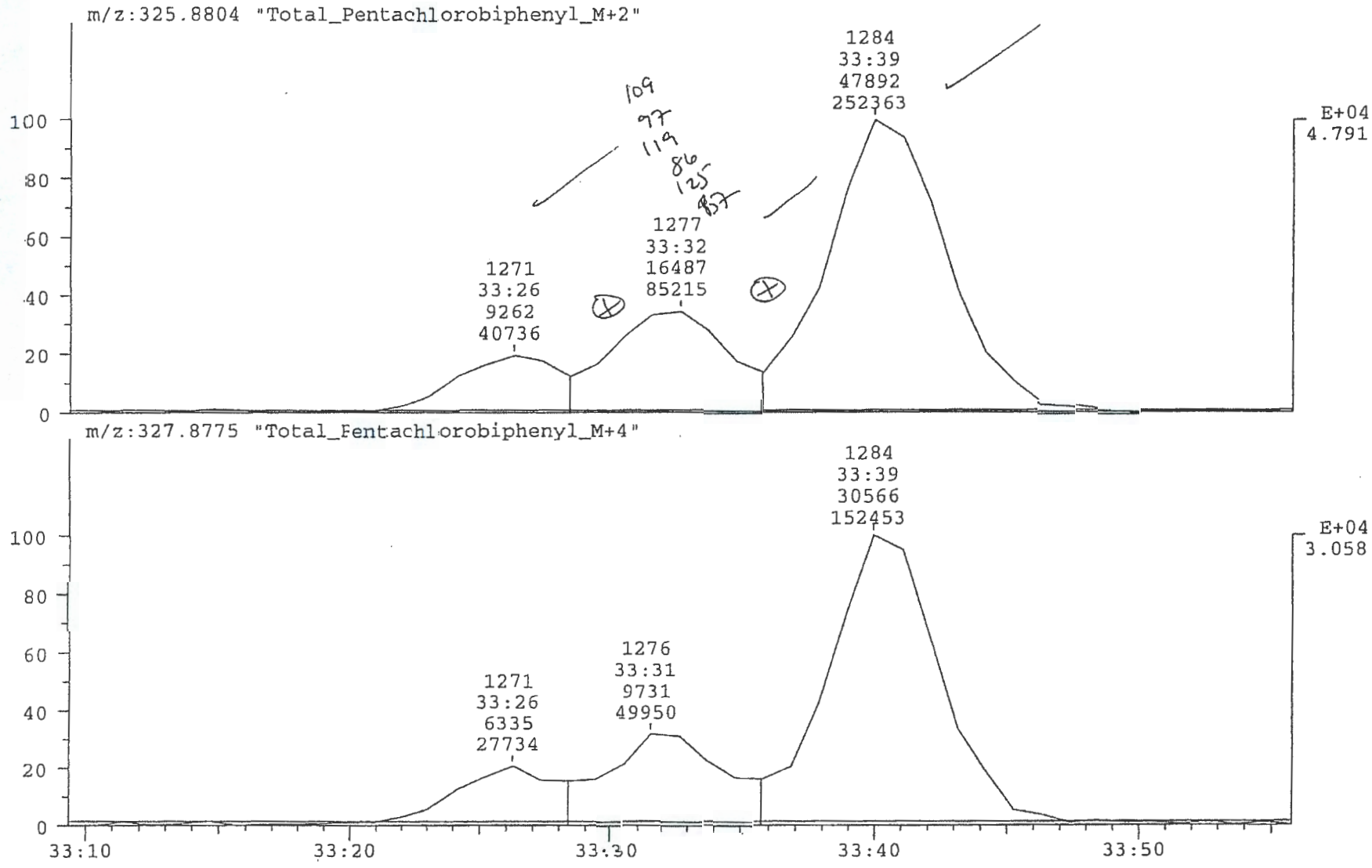
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   985 > 1152         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



CHRO: apj64jx 28-Sep-07 Elapse: 56:10 2554
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 1153 > 1262 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  apj64jx                                28-Sep-07  Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   1255 > 1299        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



```
CHRO:  apj64jx                                28-Sep-07  Elapse:  56:10      2554
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1288 > 1343        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
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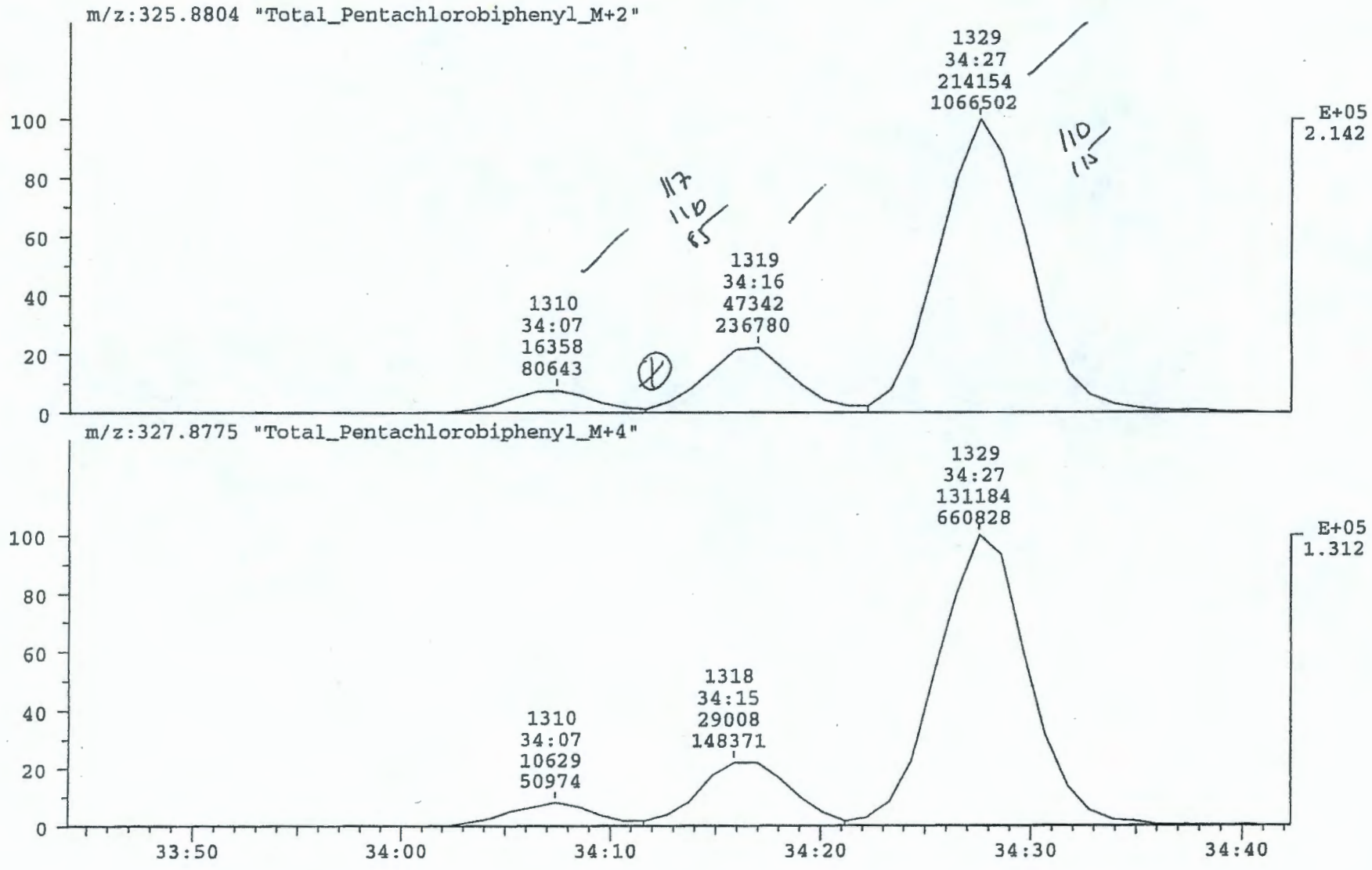
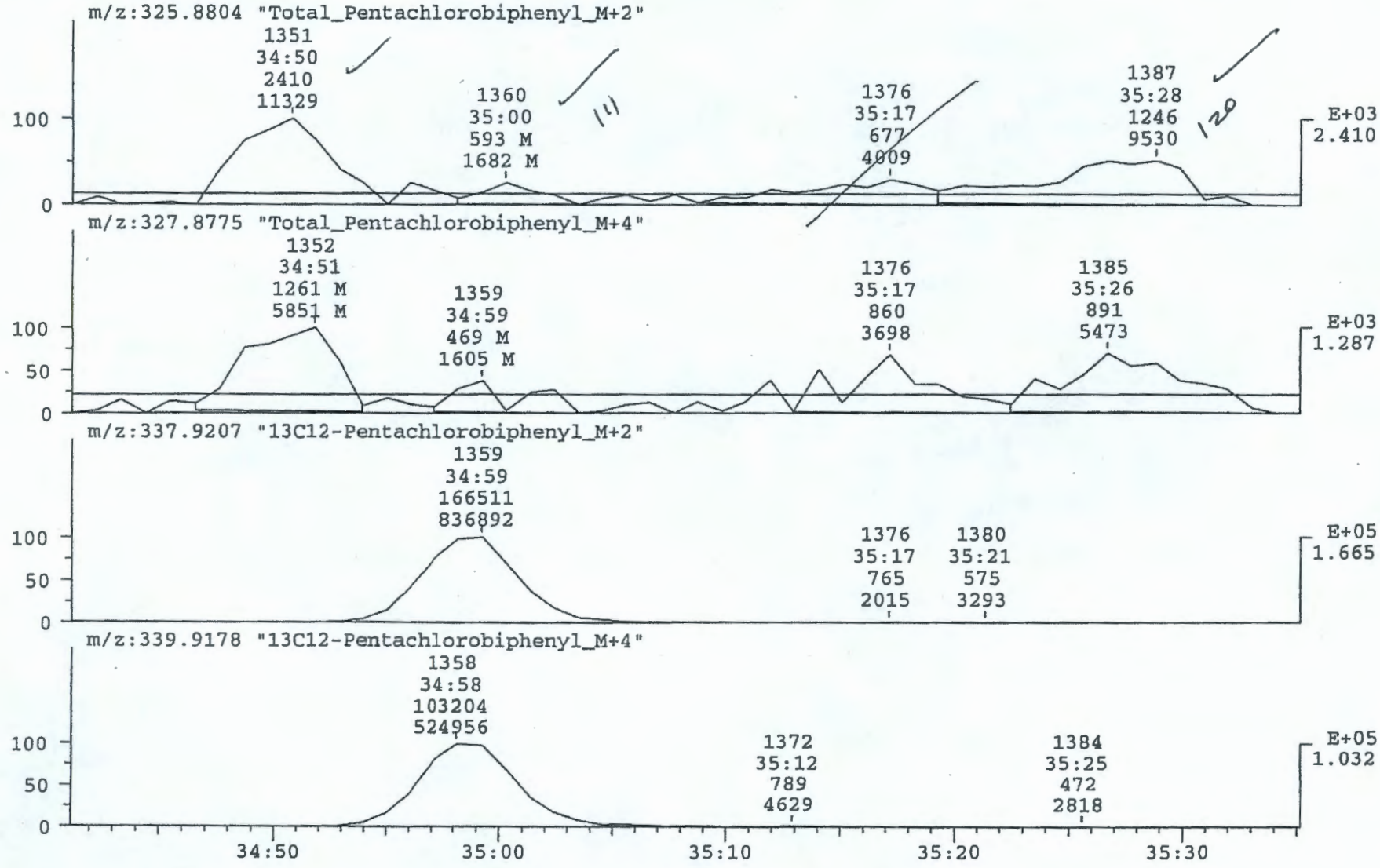
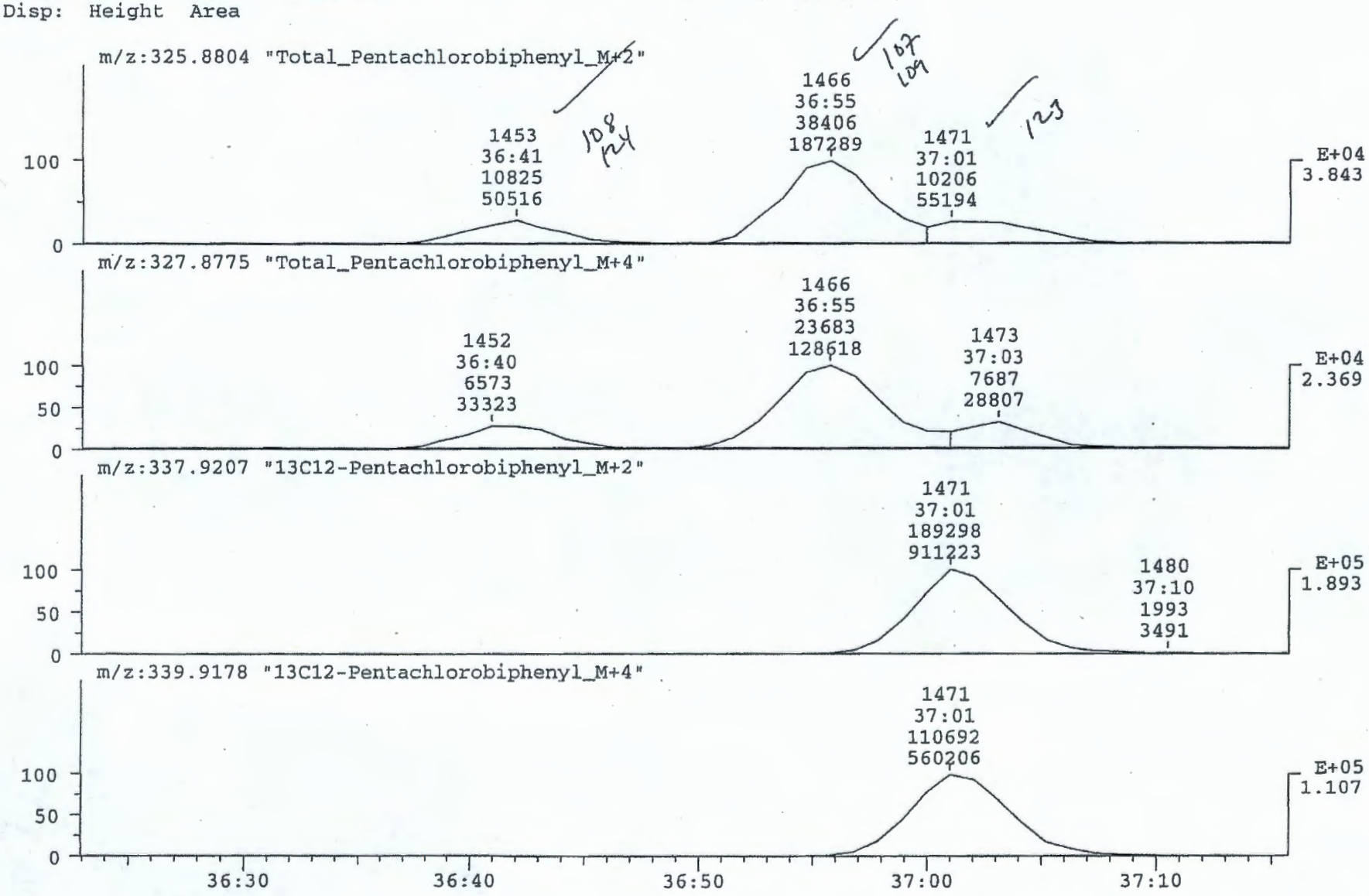


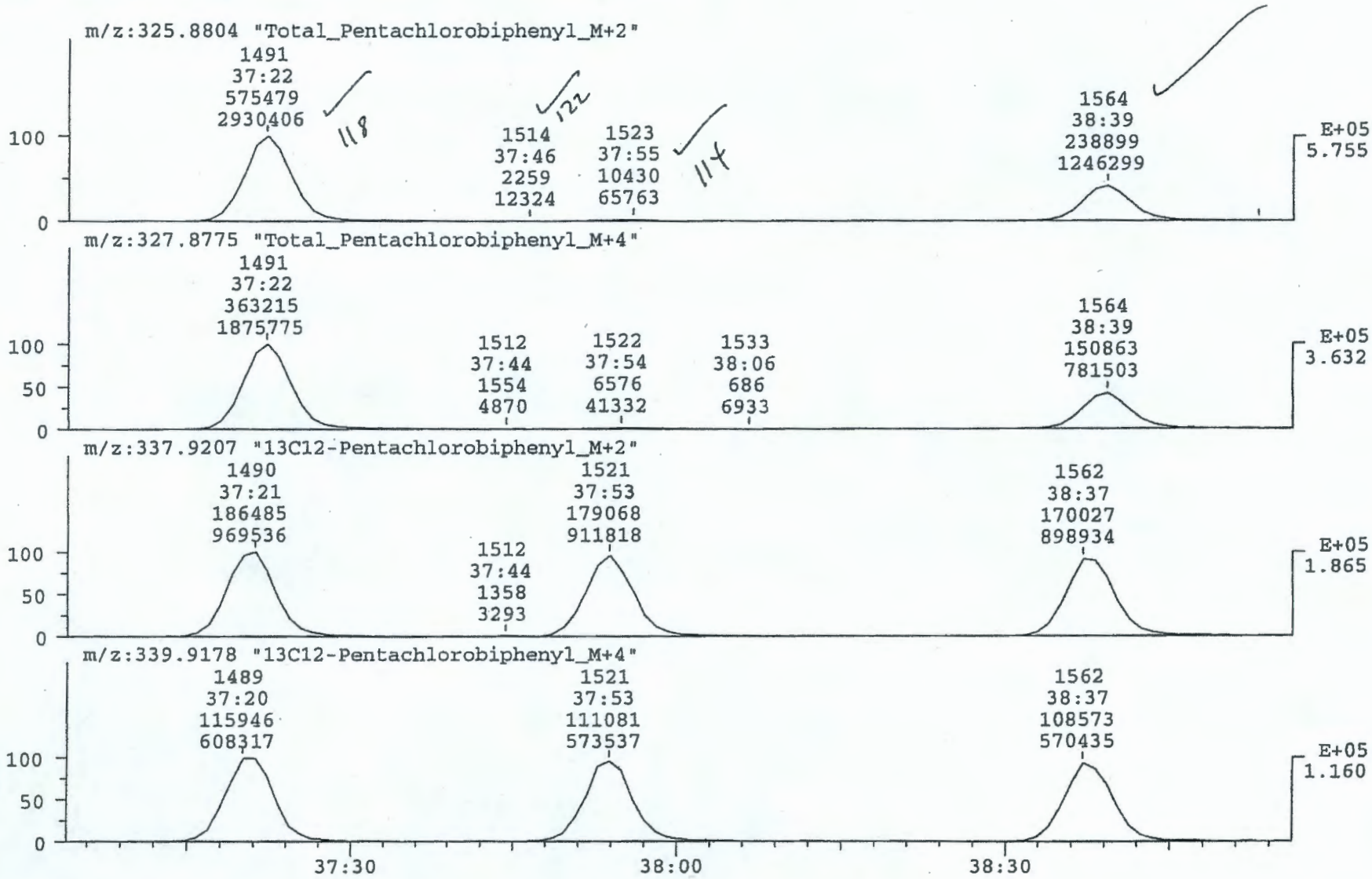
CHRO: apj64jx 28-Sep-07 Elapse: 56:10 2554
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 1342 > 1393 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



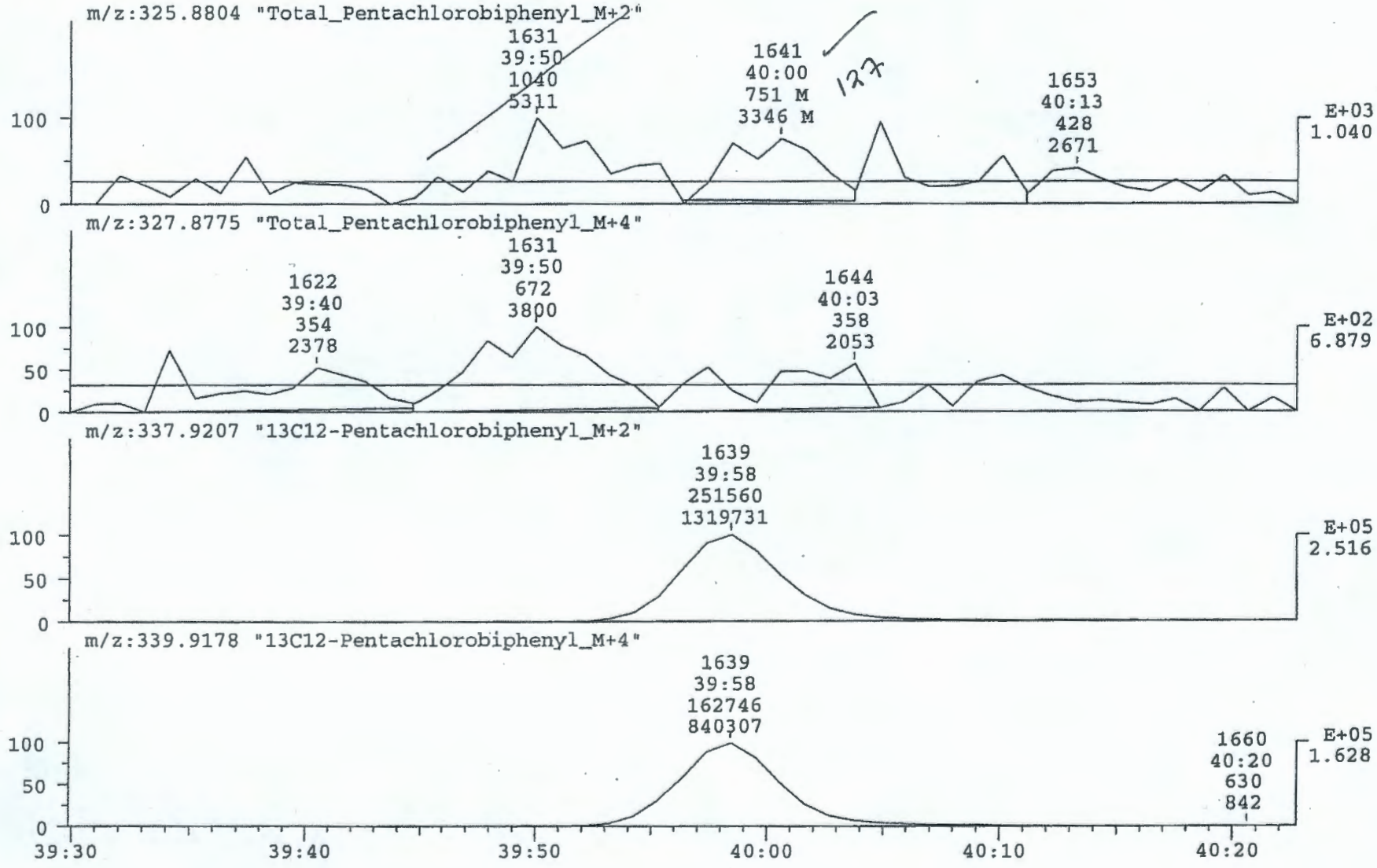
CHRO: apj64jx 28-Sep-07 Elapse: 35:29 1388
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 1435 > 1485 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 1 Label : -3, 3.0
Disp: Height Area



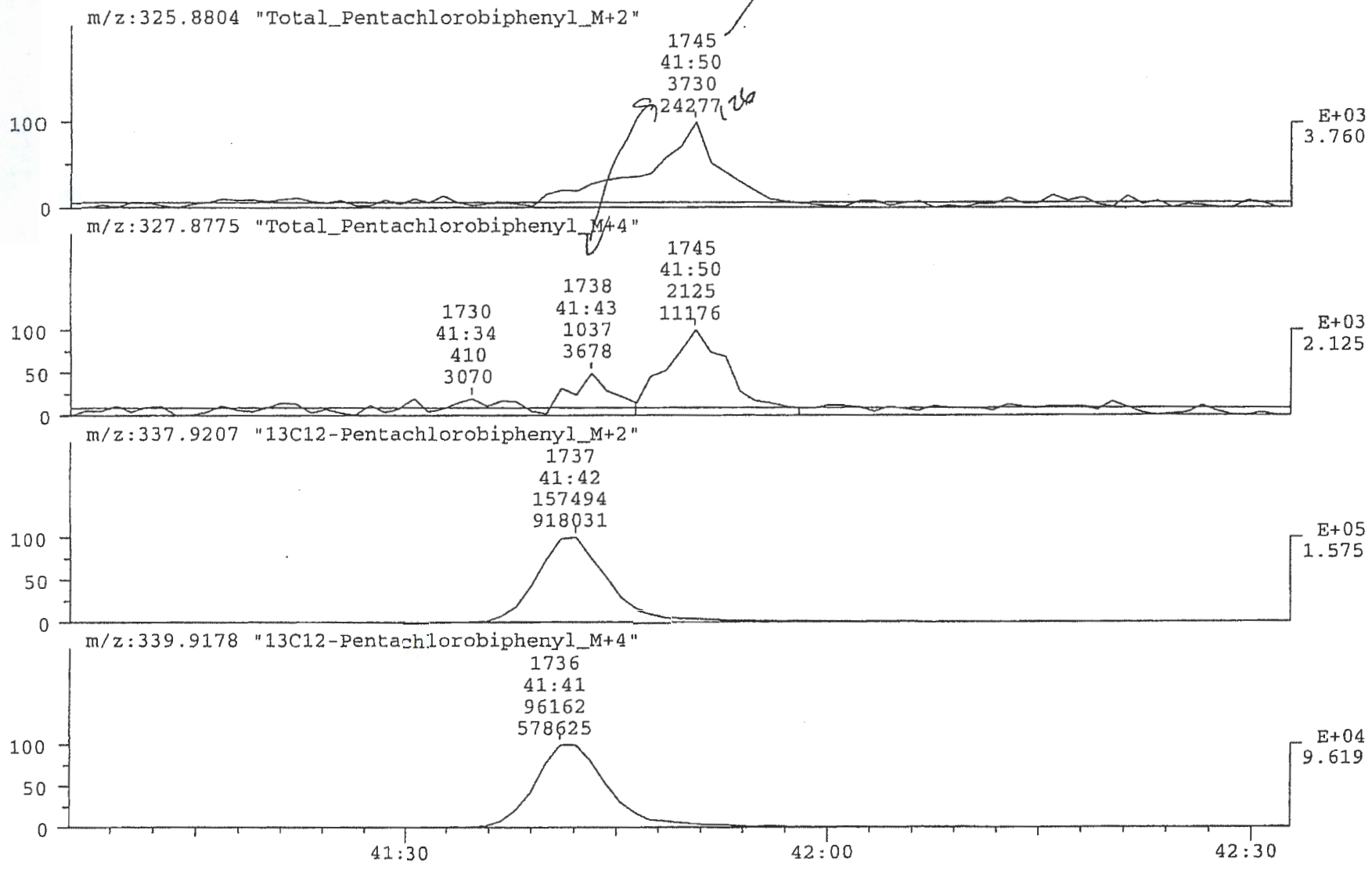
CHRO: apj64jx 28-Sep-07 Elapse: 35:29 1388
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 1474 > 1580 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



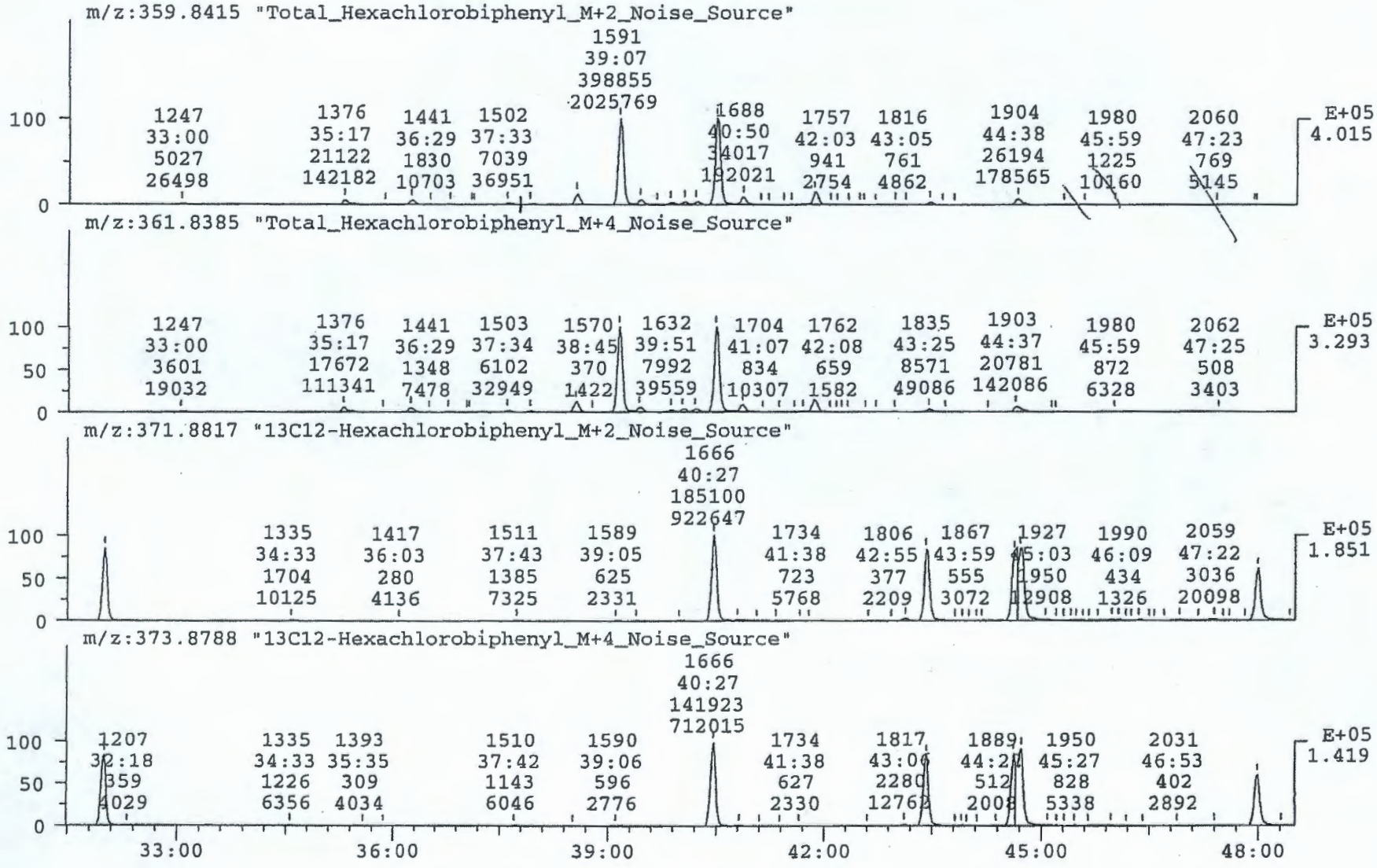
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  35:29      1388
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   1612 > 1662        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



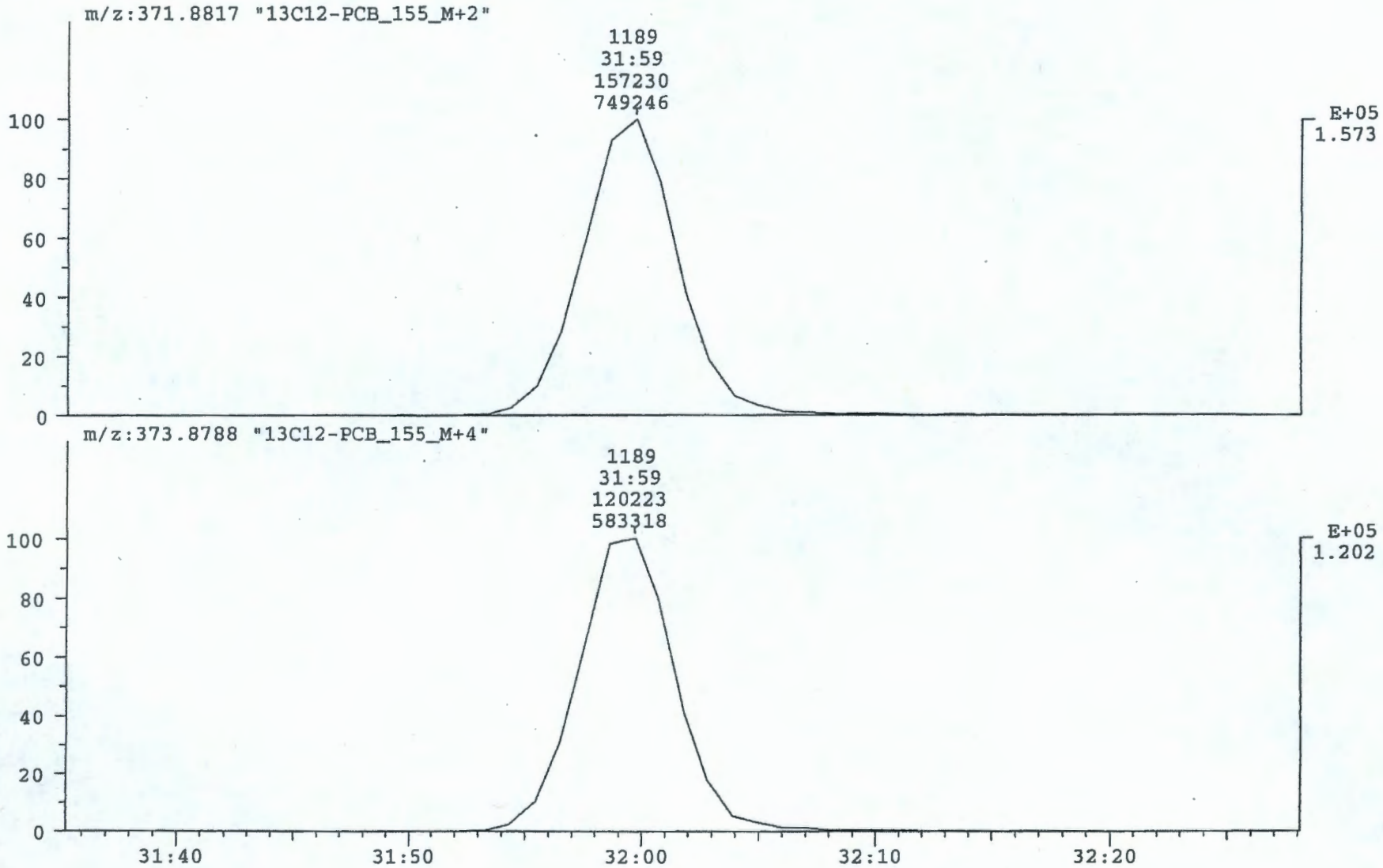
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   1728 > 1748         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



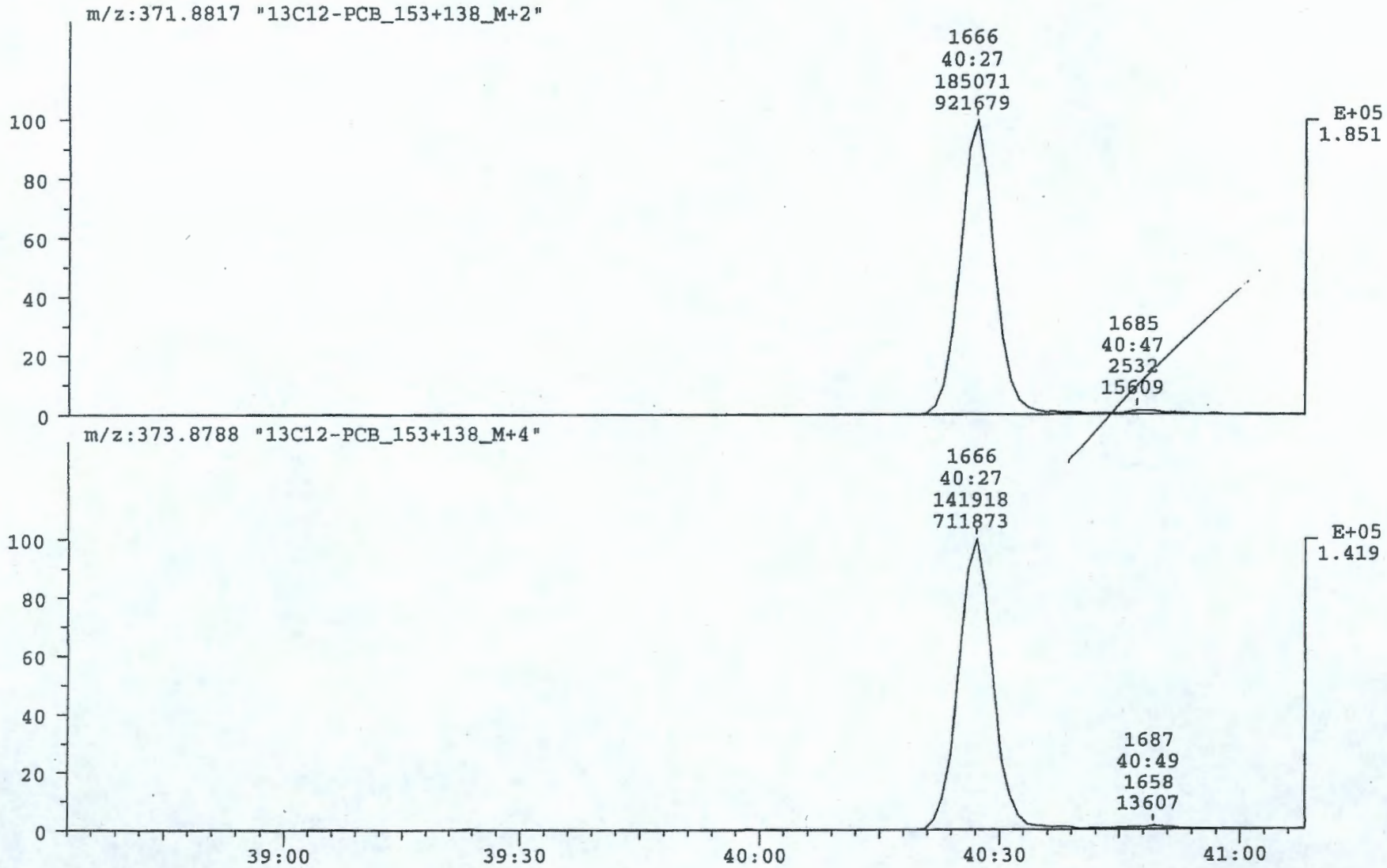
CHRO: apj64jx 28-Sep-07 Elapse: 39:59 1640
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 1160 > 2123 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



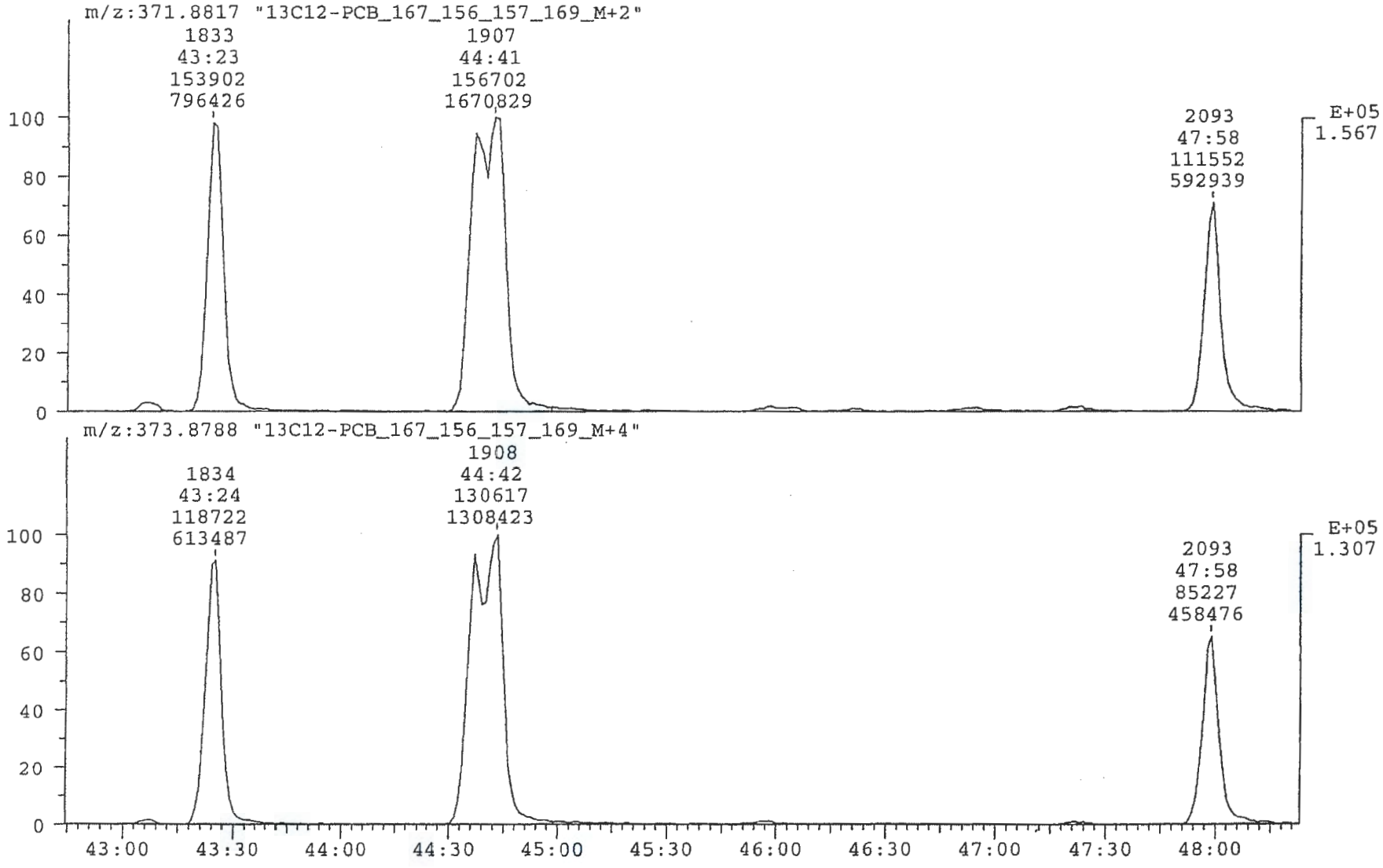
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  32:01      1191
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1166 > 1216        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



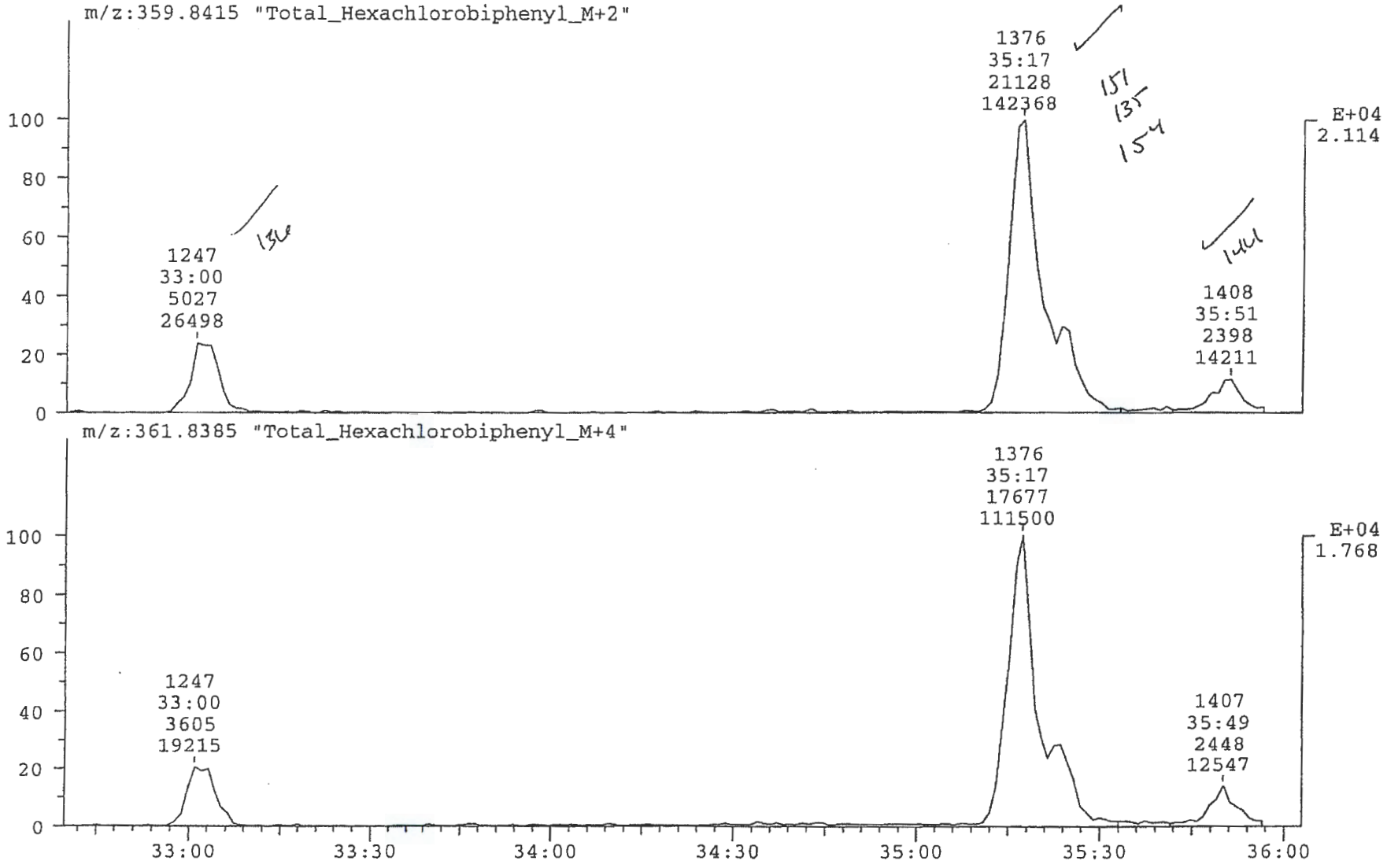
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  39:50      1631
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1558 > 1705        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



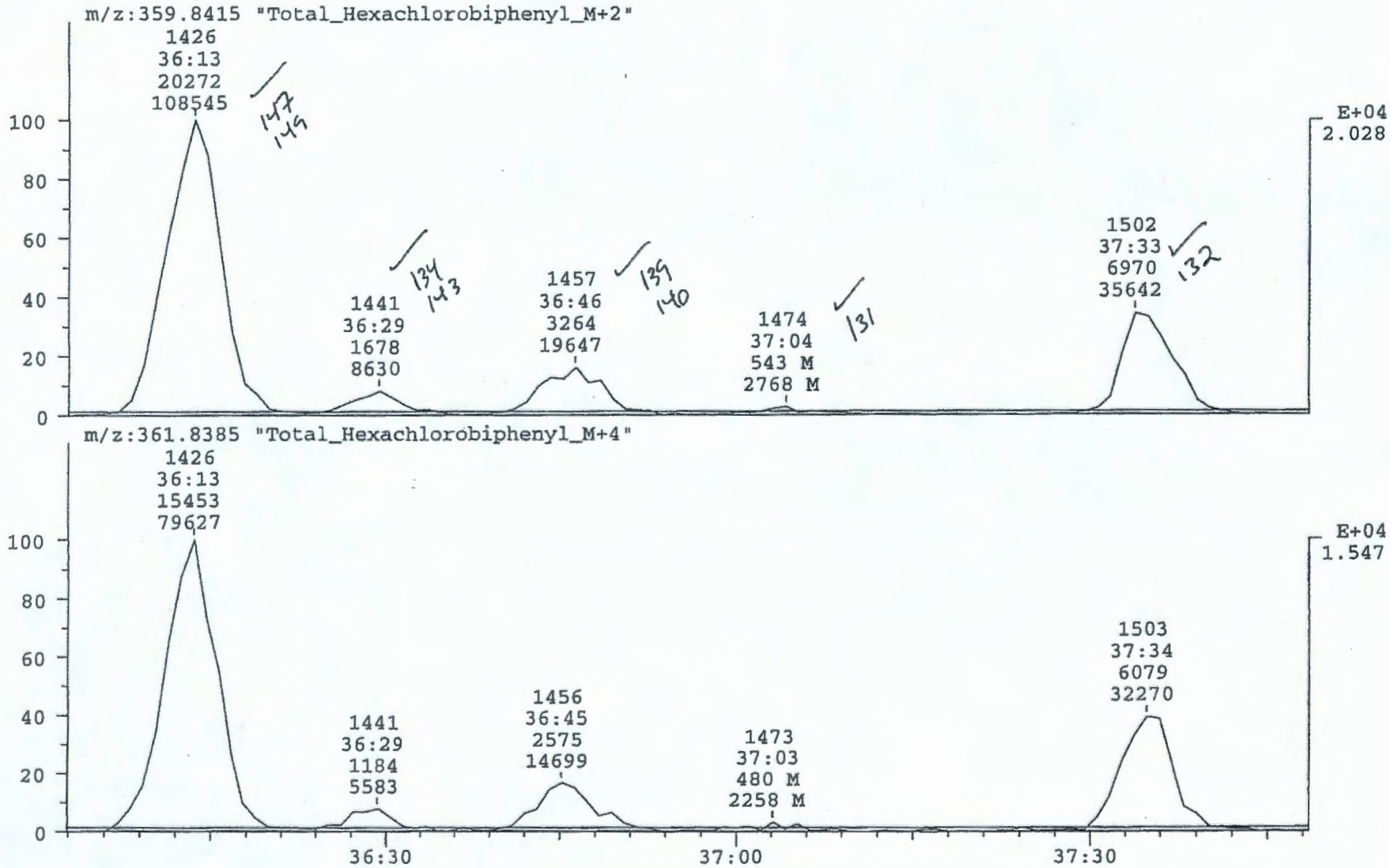
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  45:39      1961
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   1796 > 2116         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 8              Label :  -3, 3.0
Disp:  Height  Area
```



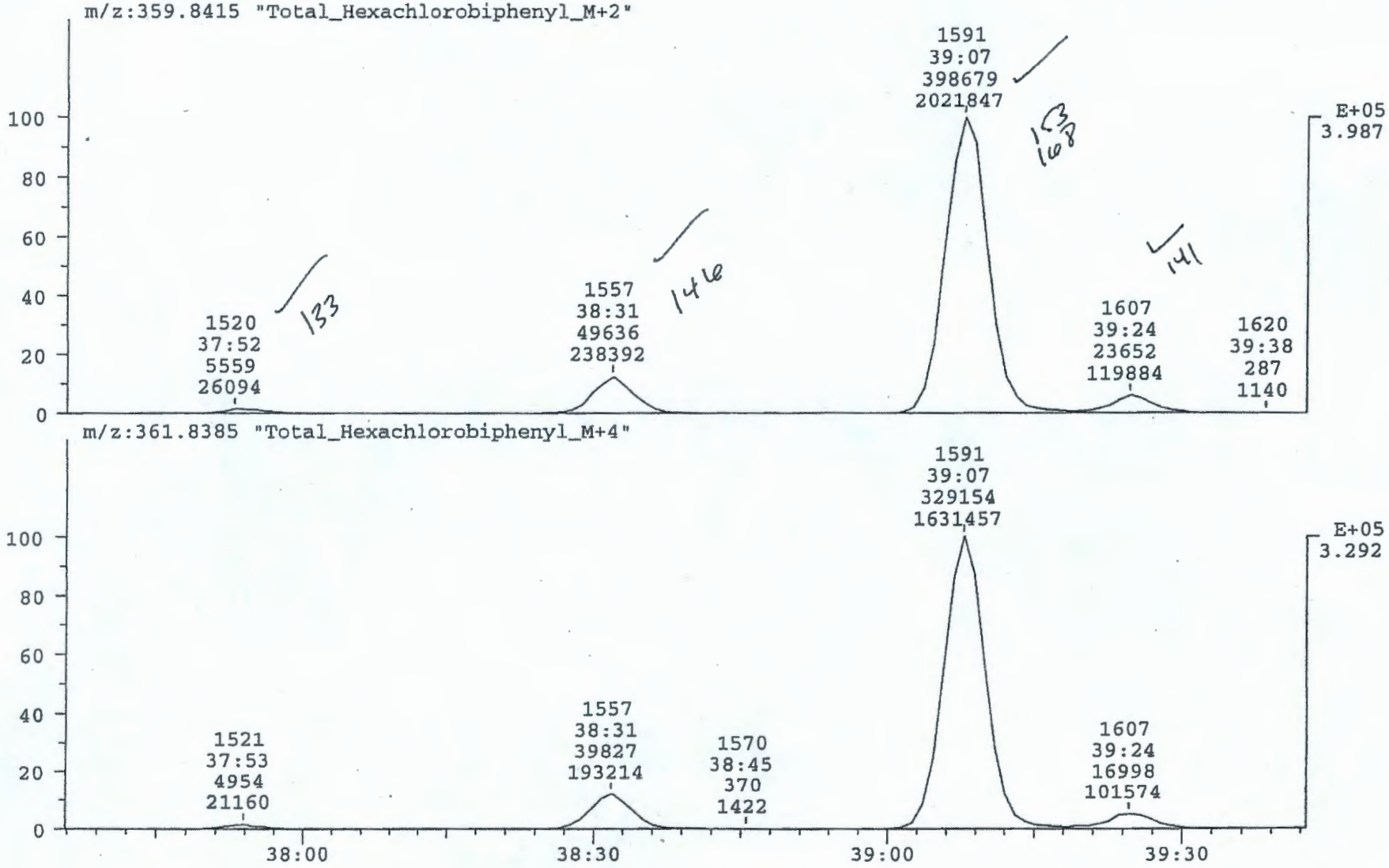
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1227 > 1416         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  3, 3.0
Disp:  Height  Area
```



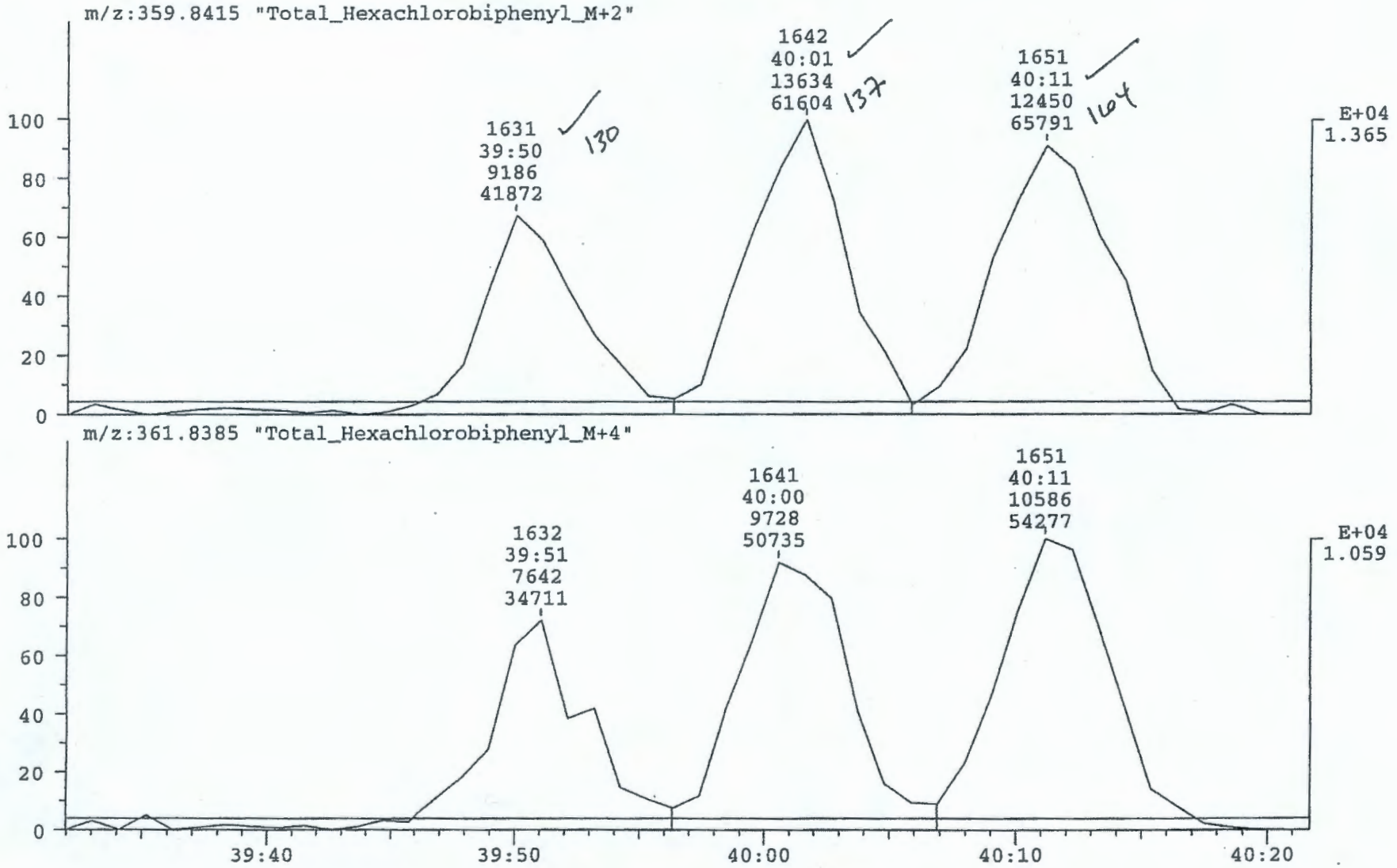
CHRO: apj64jx 28-Sep-07 Elapse: 41:43 1738
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 1416 > 1516 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  apj64jx                                28-Sep-07  Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1504 > 1624        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



CHRO: apj64jx 28-Sep-07 Elapse: 41:43 1738
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 1614 > 1661 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



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CHRO:  apj64jx                                28-Sep-07  Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   1653 > 1710        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```

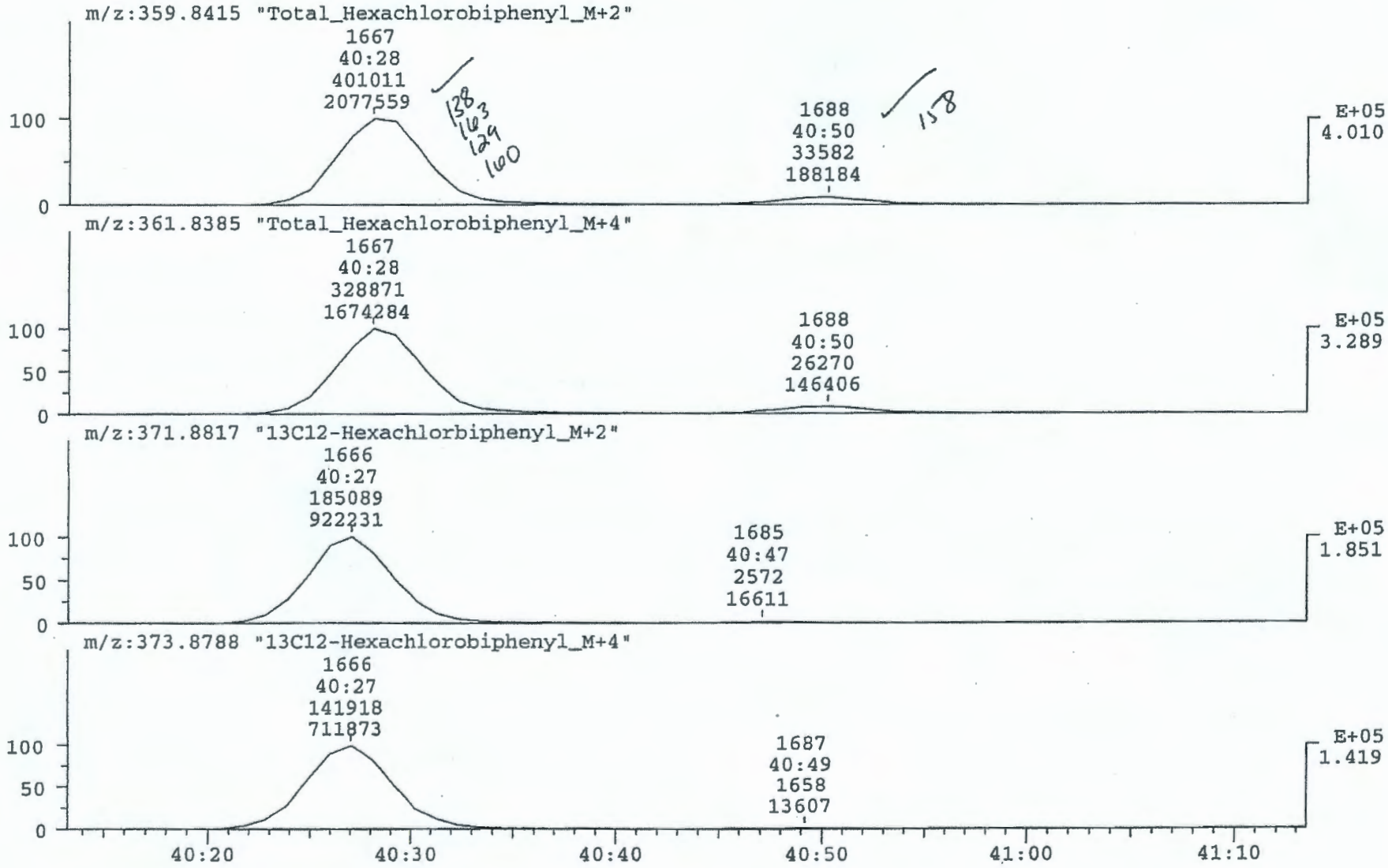

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CHRO:  apj64jx                                28-Sep-07  Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=mld/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG          Client:  H7I180256-002               Inlet :  GC     Vial 35
Peak:  100.00  ppm     Label wndw:   1710 > 1758         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 2              Label :  -3, 3.0
Disp:  Height  Area
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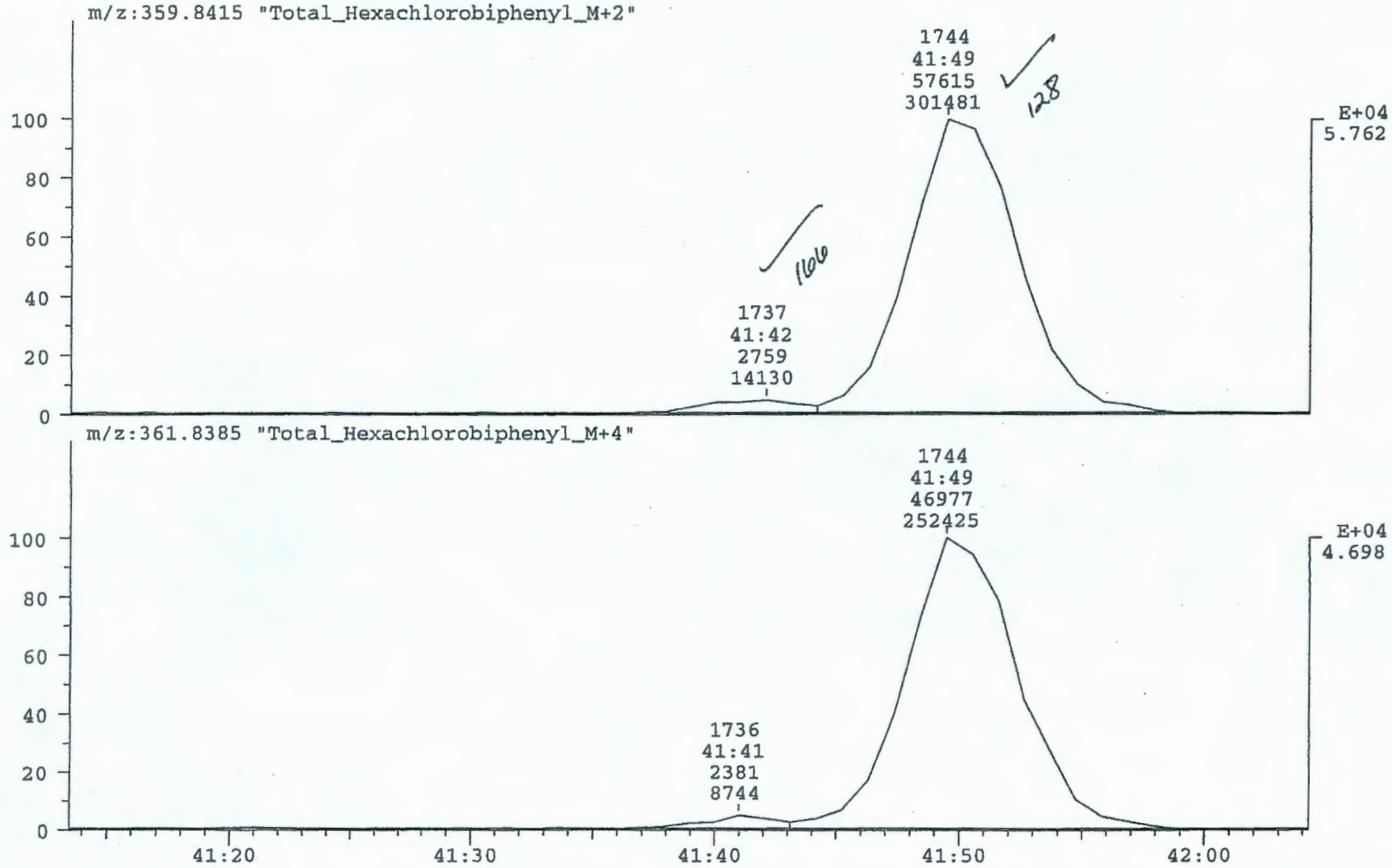
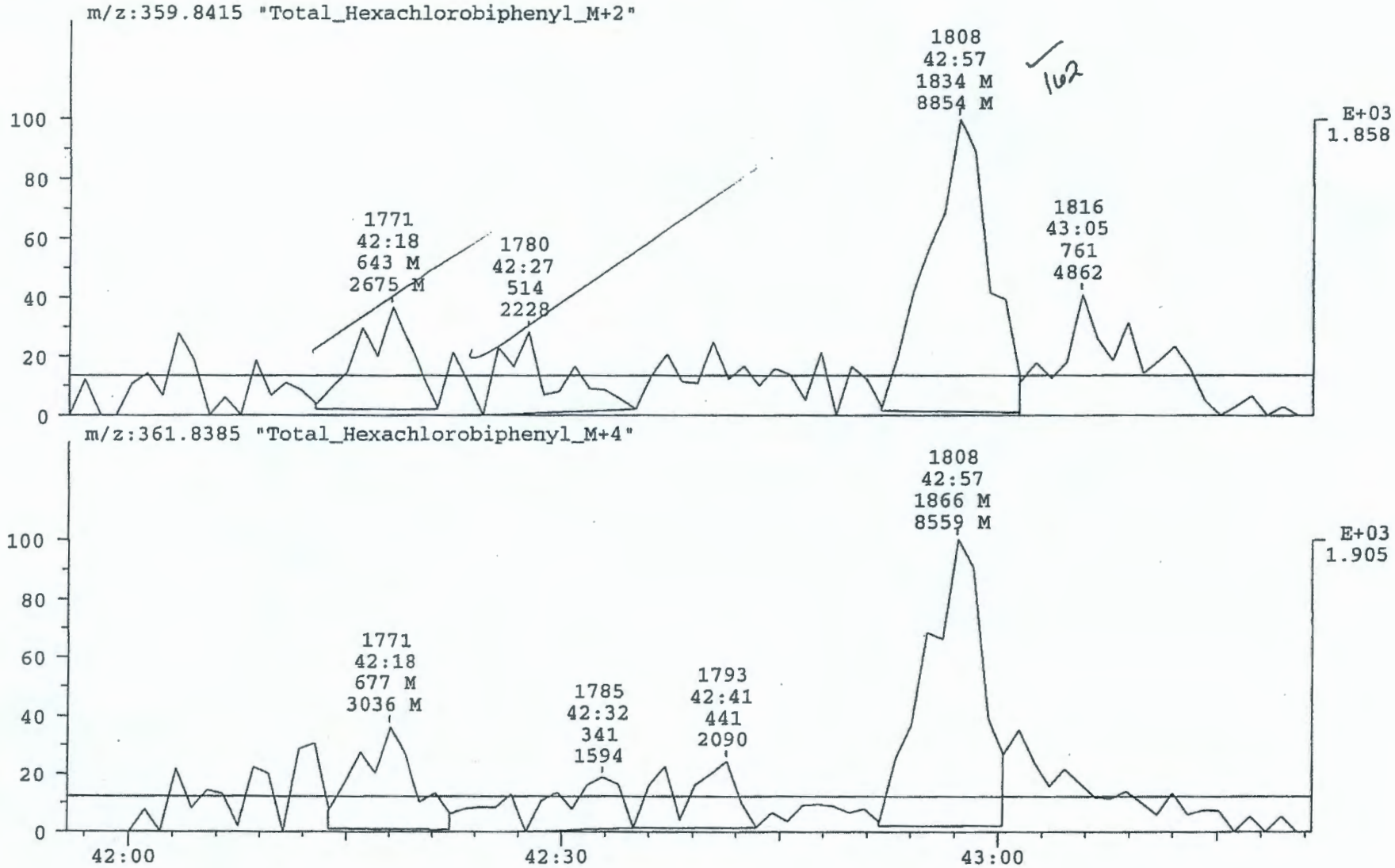
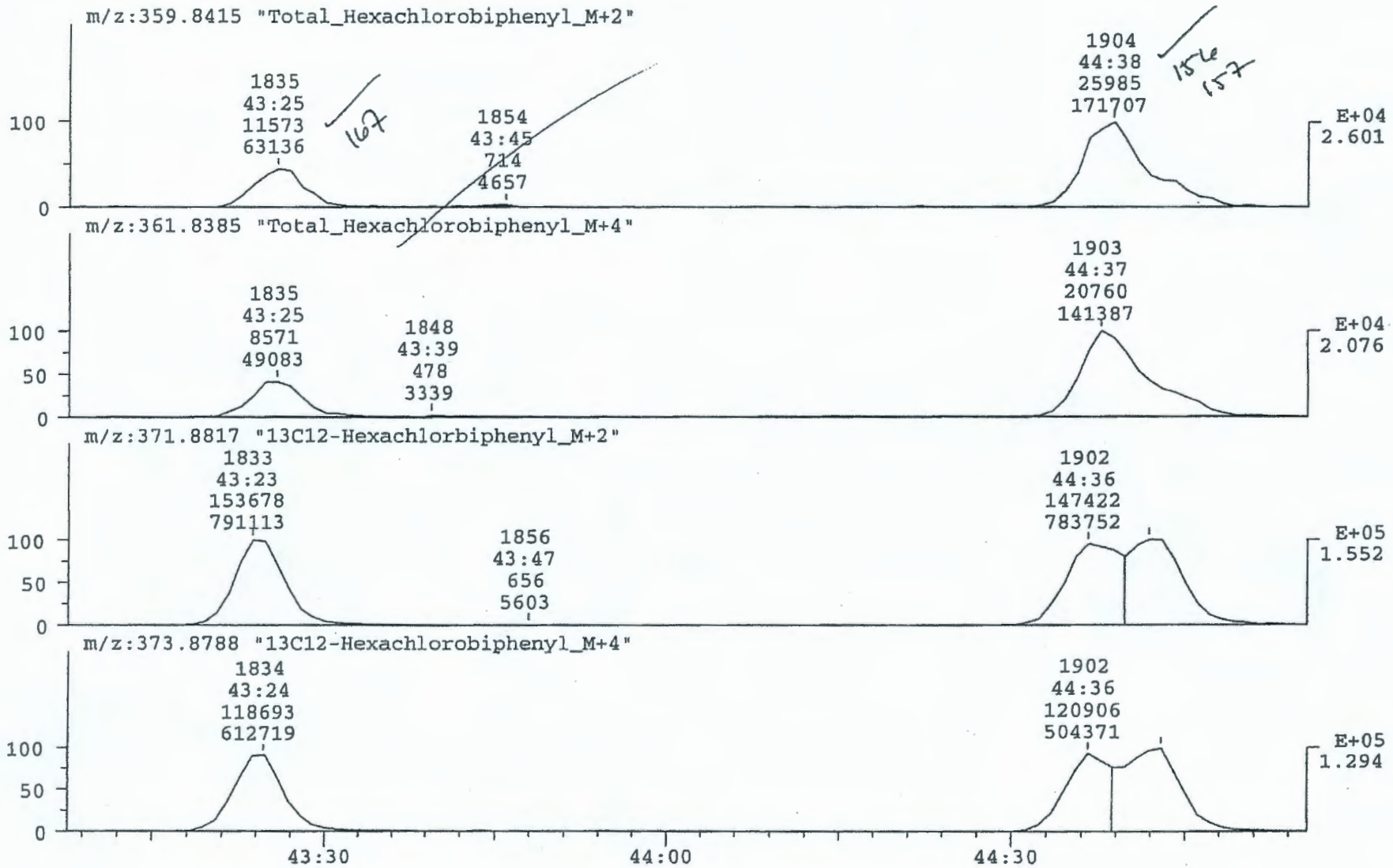


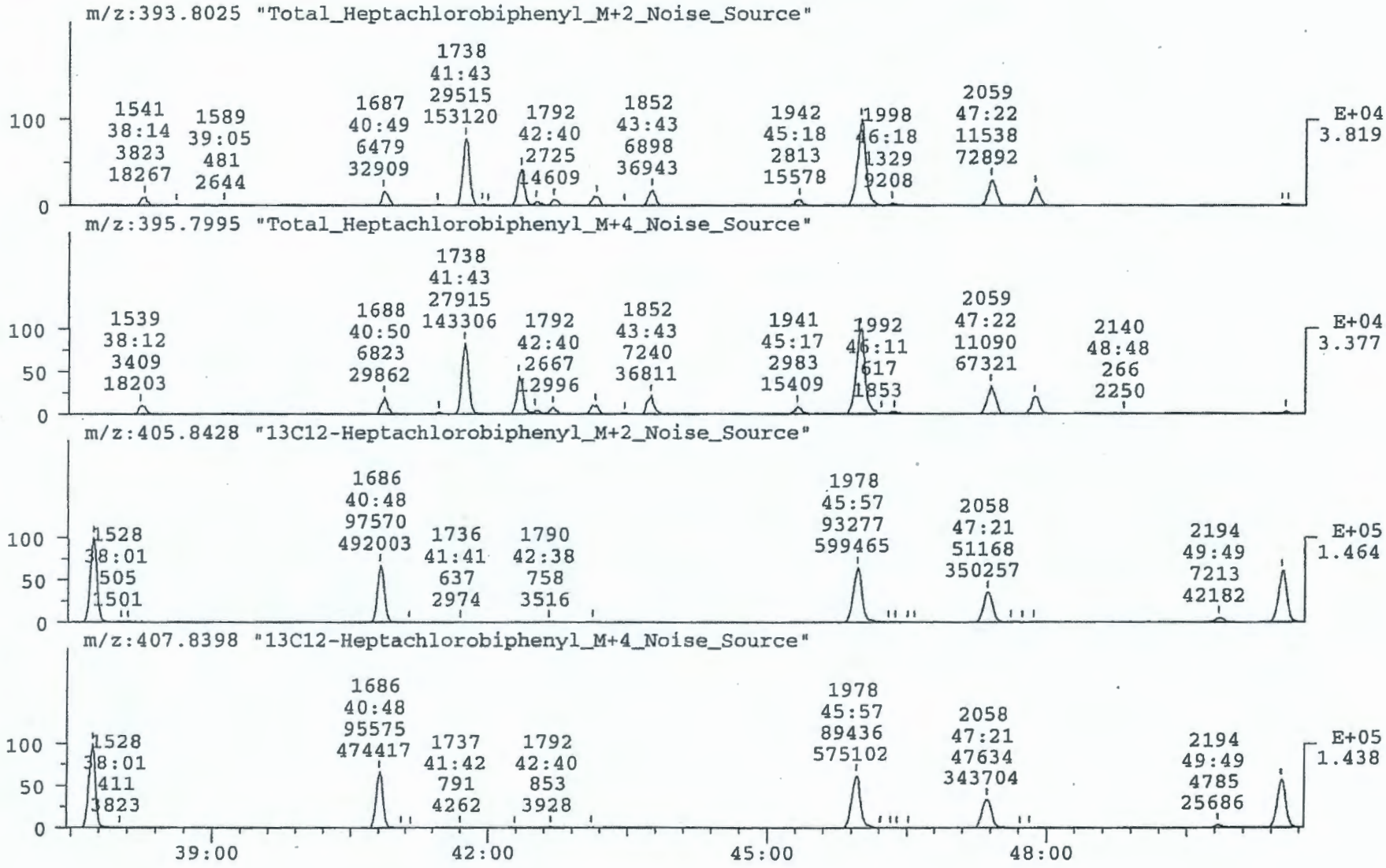
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG          Client:  H7I180256-002               Inlet :  GC     Vial 35
Peak:  100.00  ppm     Label wndw:   1750 > 1831         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



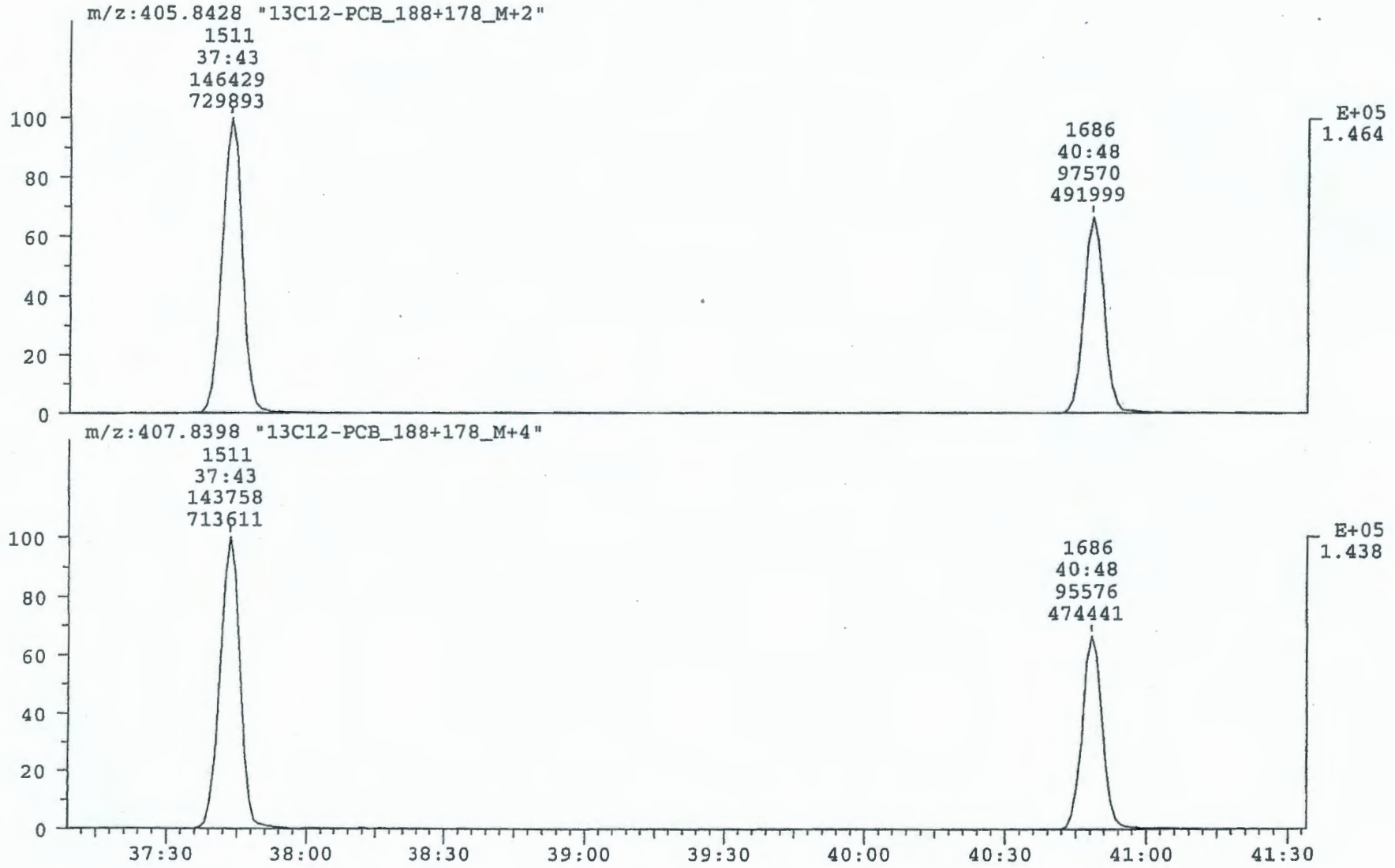
CHRO: apj64jx 28-Sep-07 Elapse: 41:43 1738
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 1818 > 1920 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



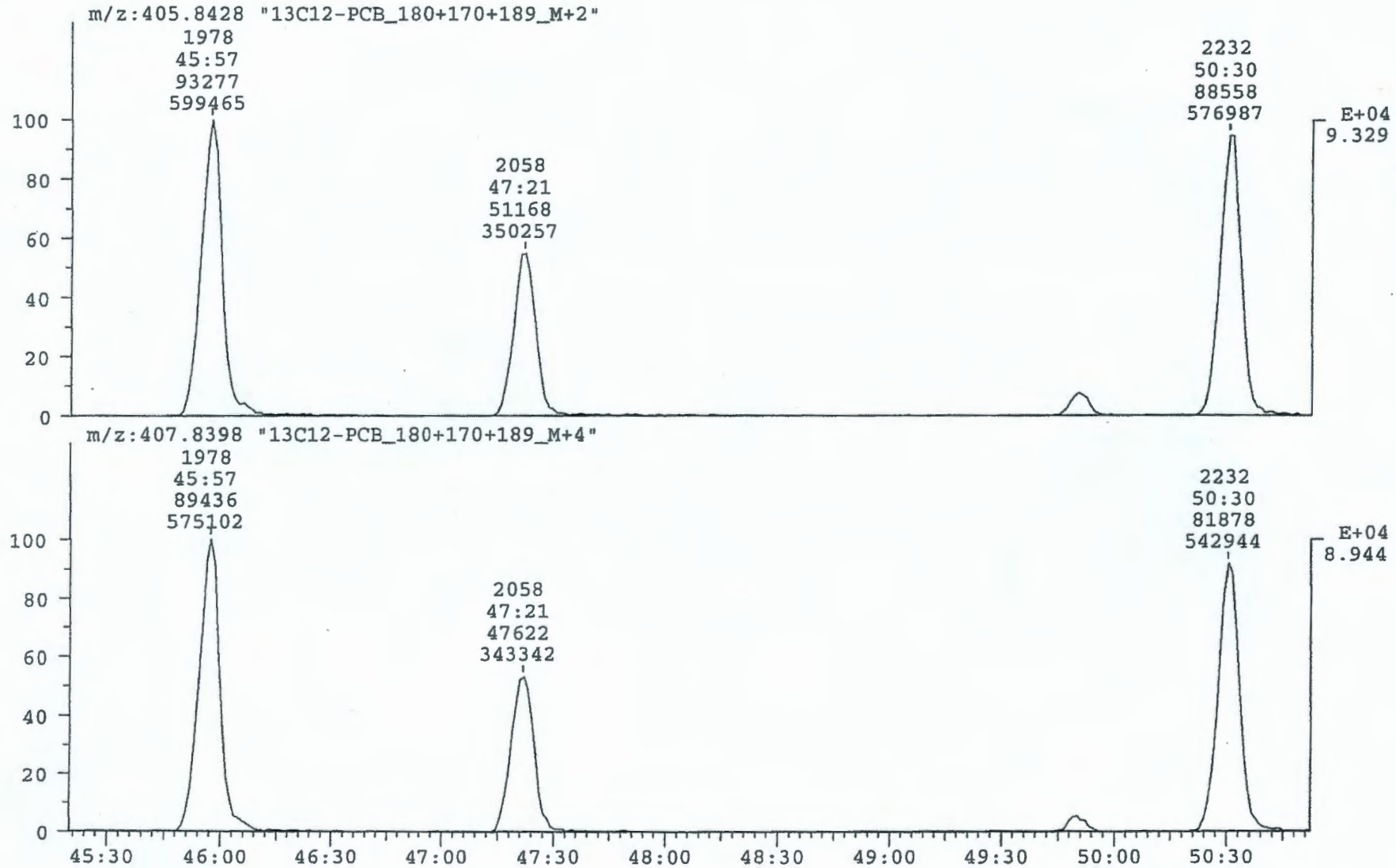
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  44:05      1873
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1496 > 2246         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



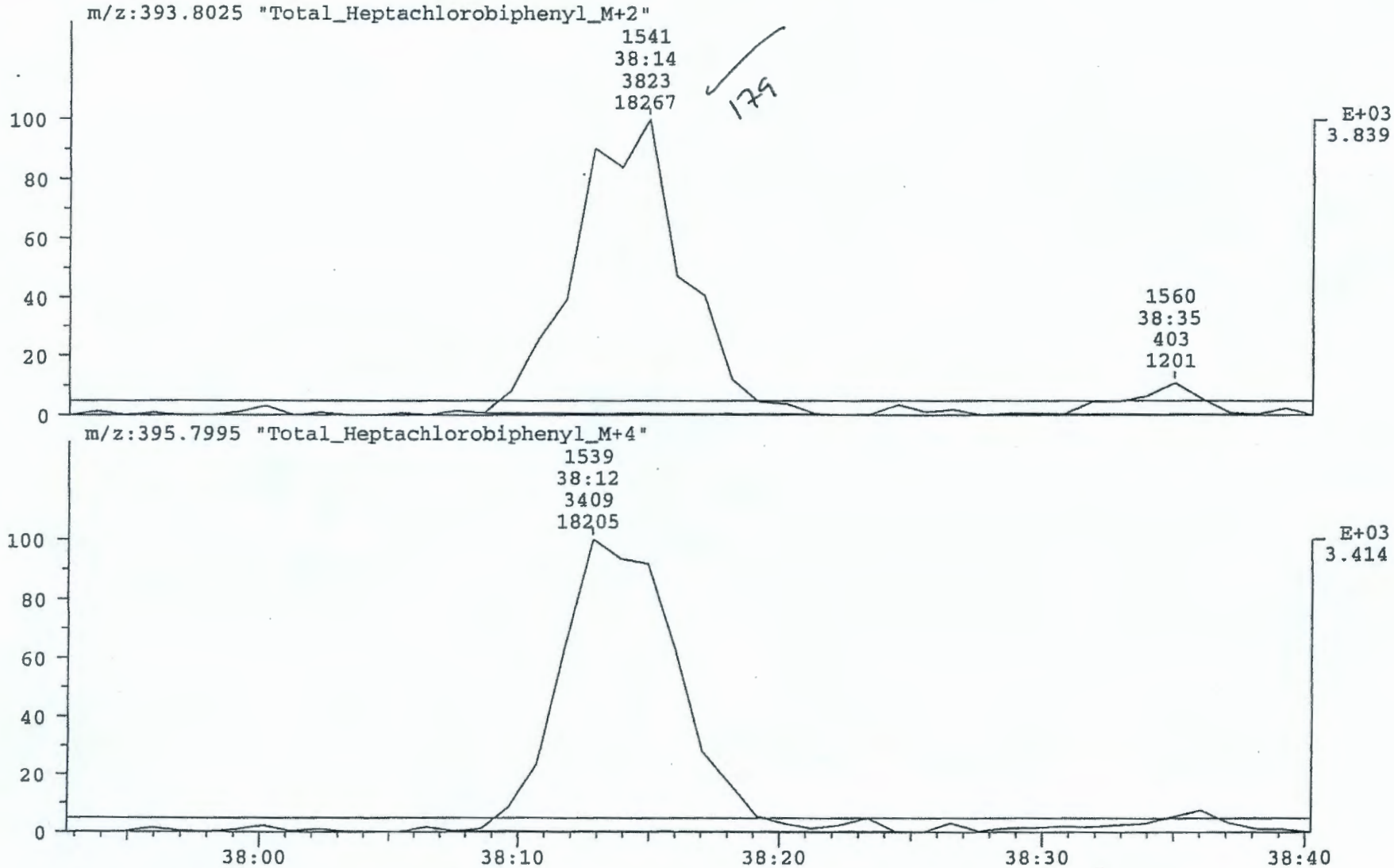
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  39:21      1604
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1479 > 1729         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



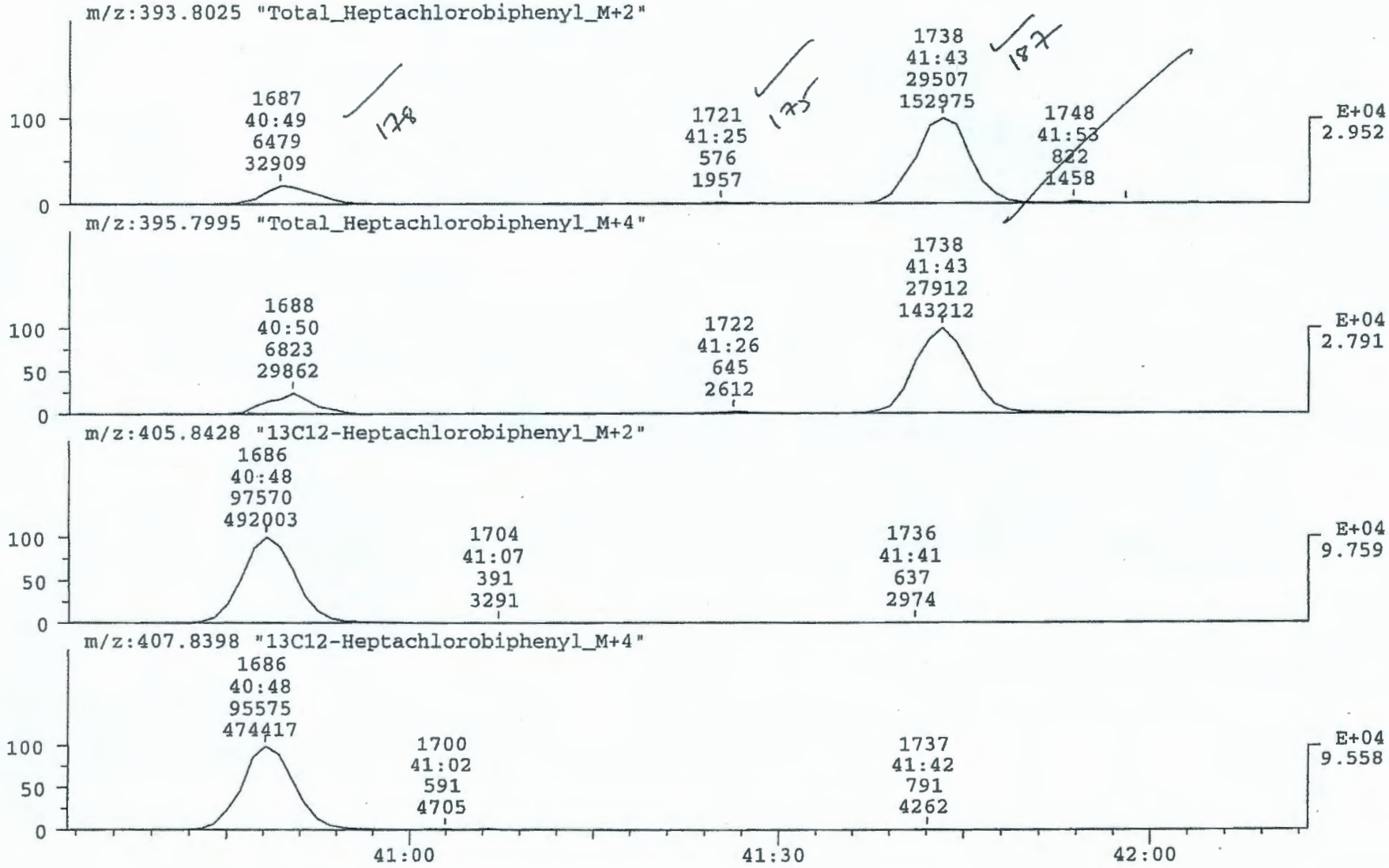
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  48:09      2103
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1943 > 2253        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



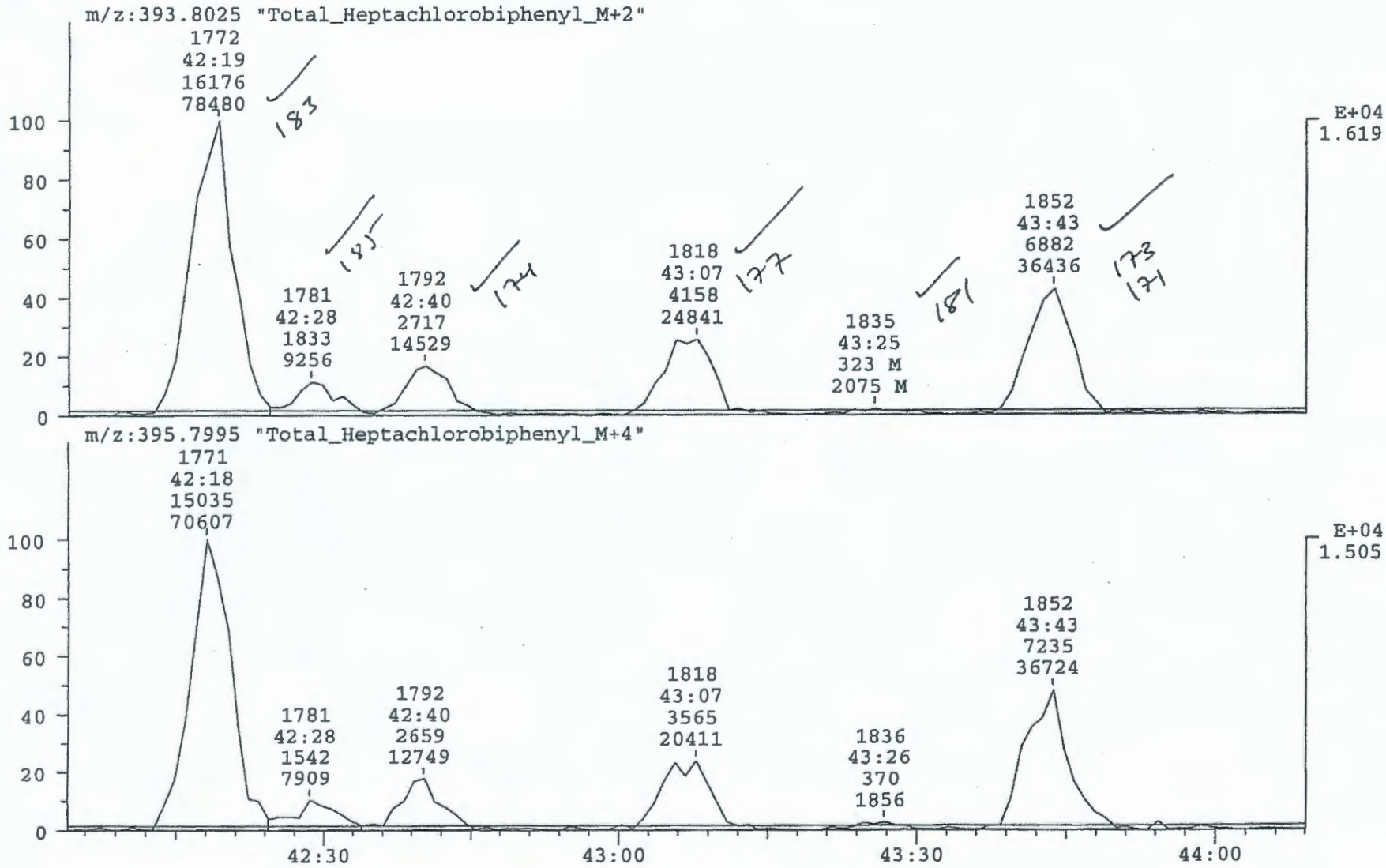
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1520 > 1565        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



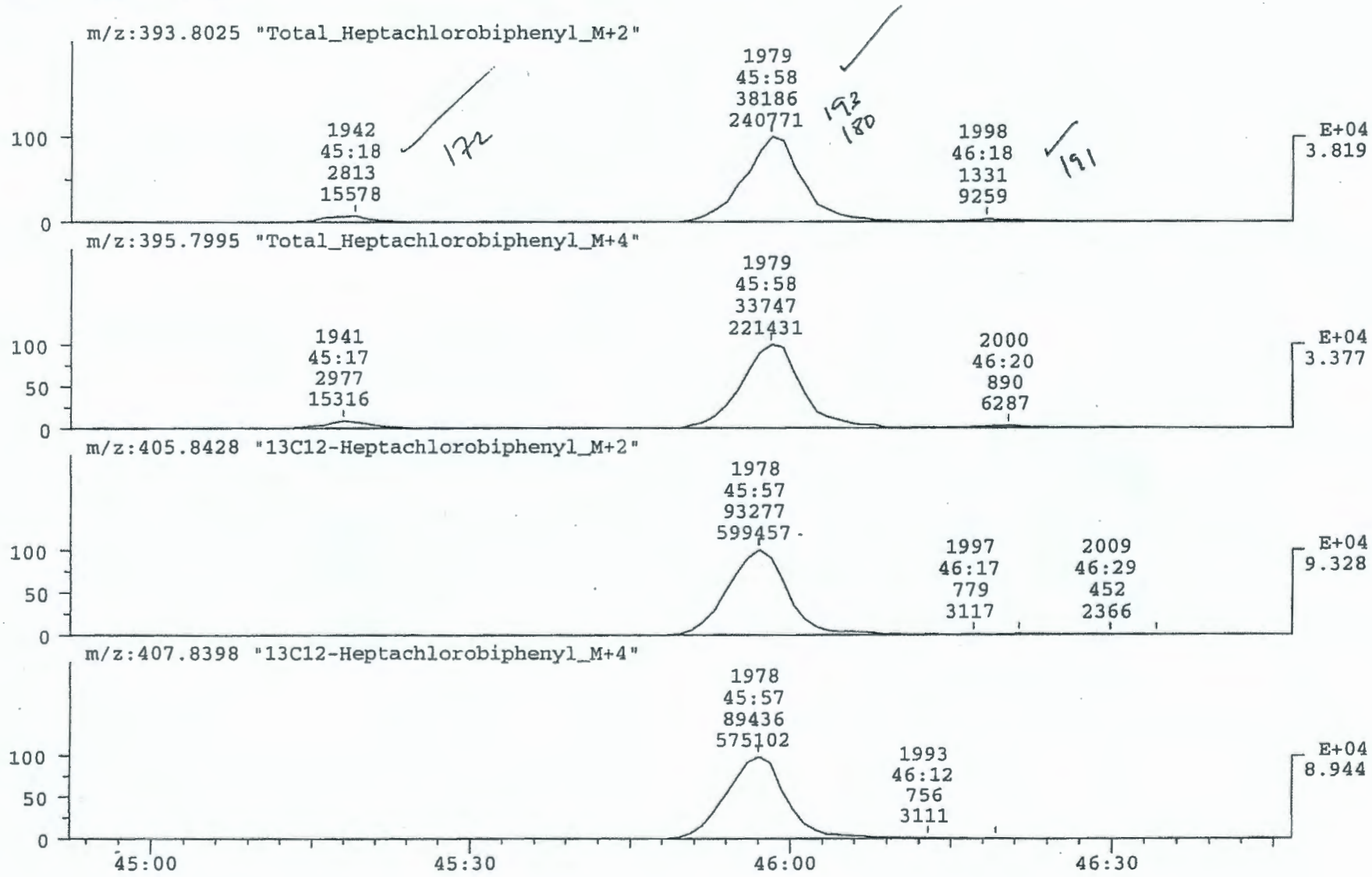
CHRO: apj64jx 28-Sep-07 Elapse: 41:43 1738
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 1671 > 1766 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



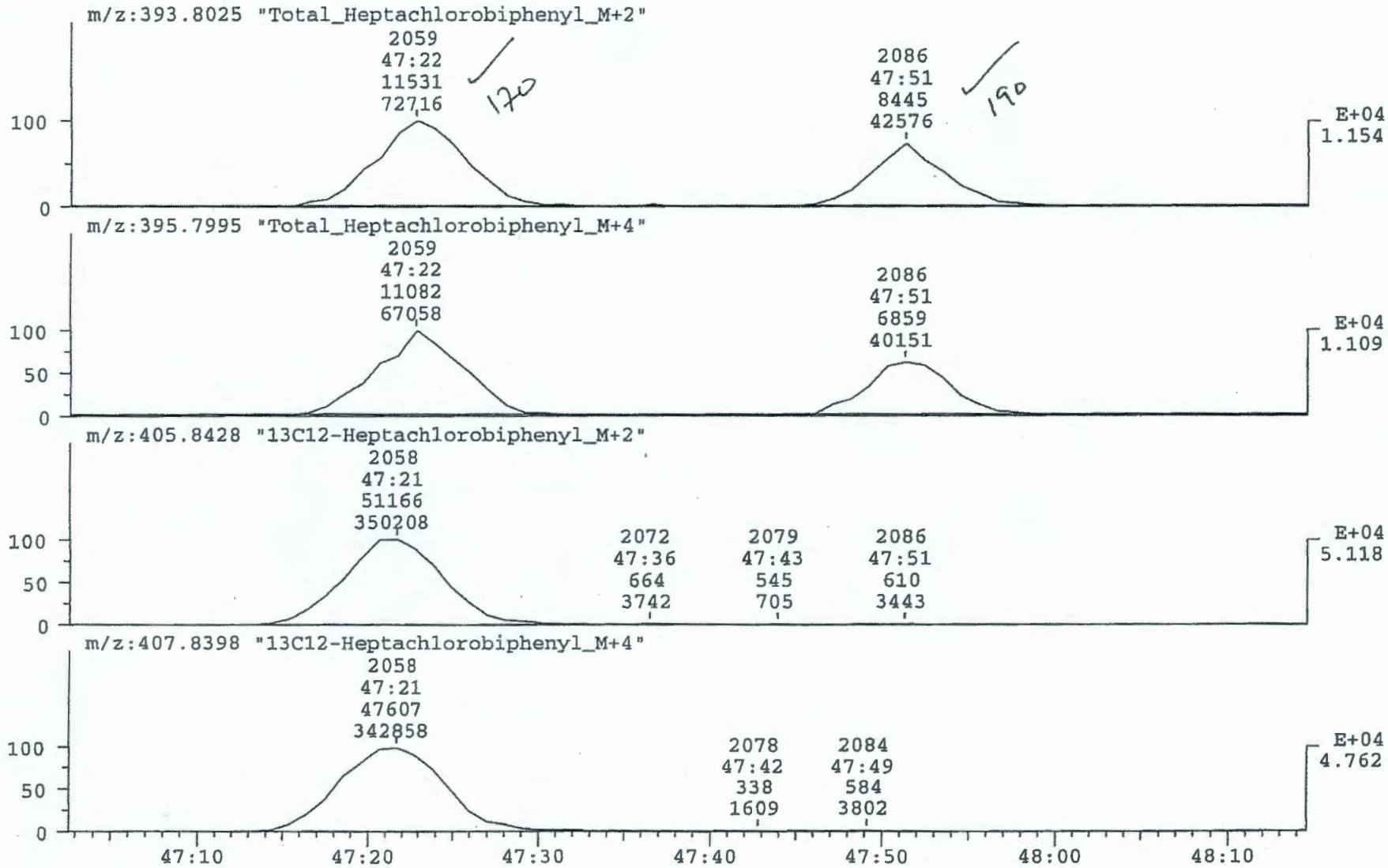
CHRO: apj64jx 28-Sep-07 Elapse: 41:43 1738
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 1758 > 1876 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



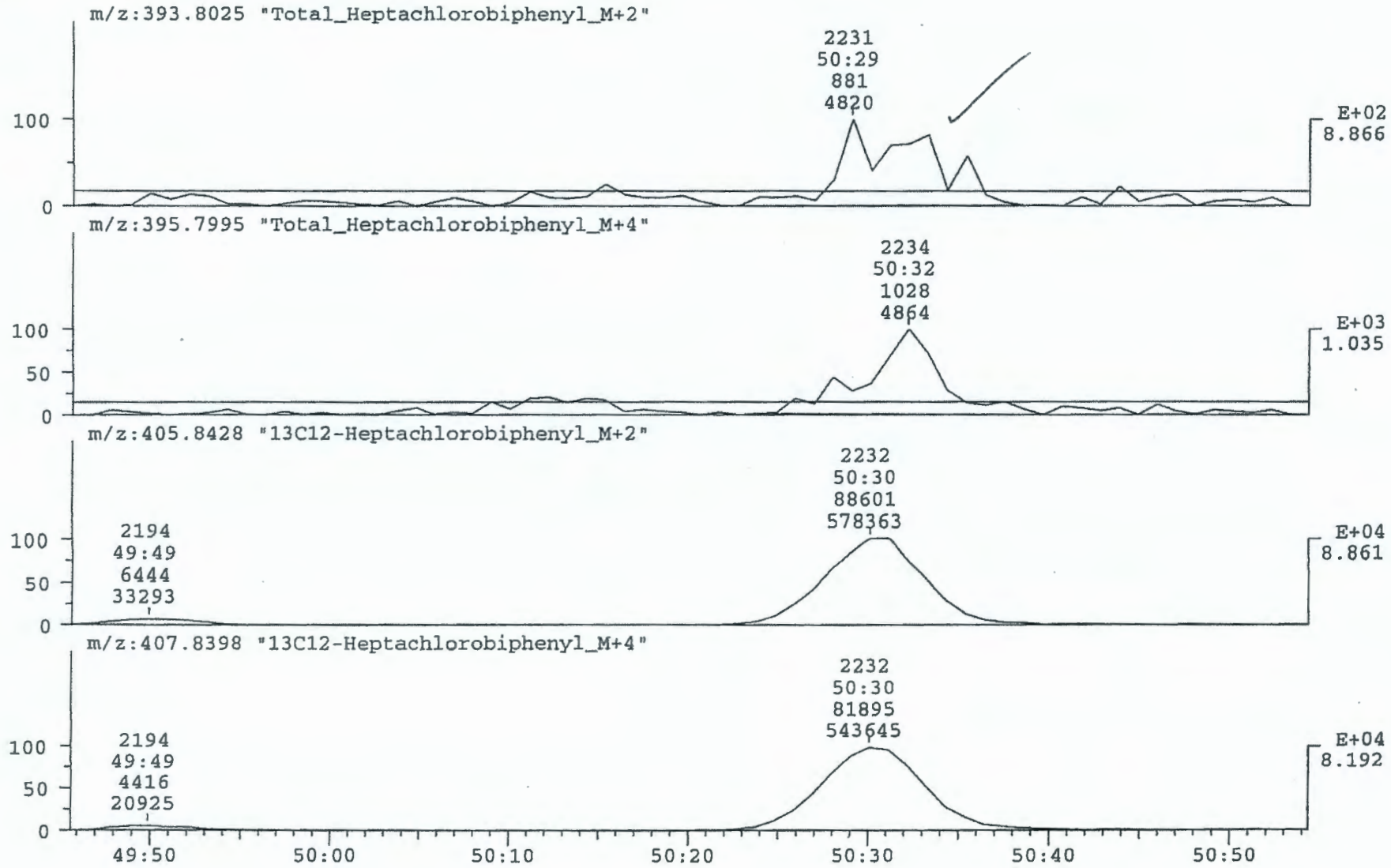
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   1917 > 2025         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



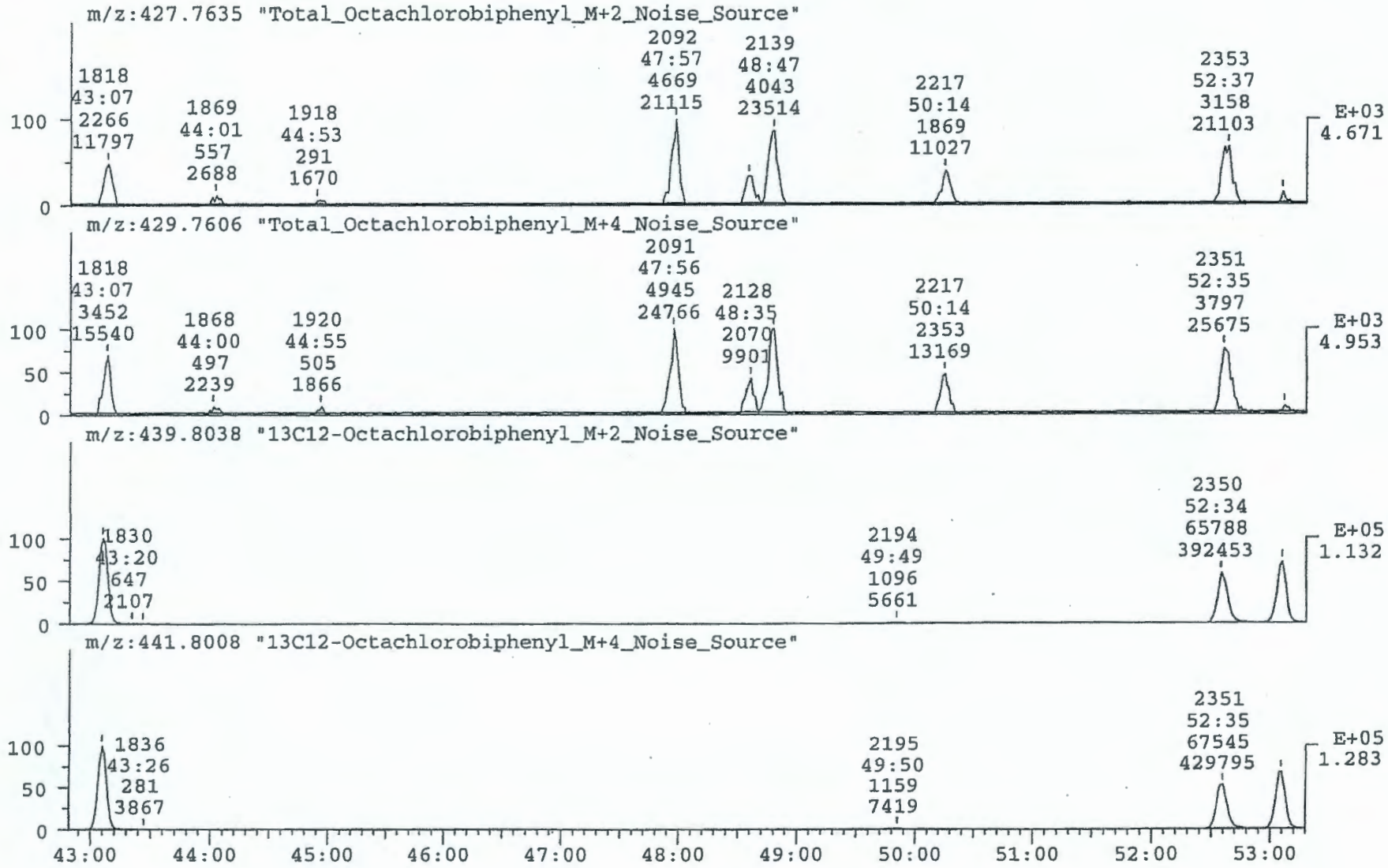
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   2040 > 2108         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



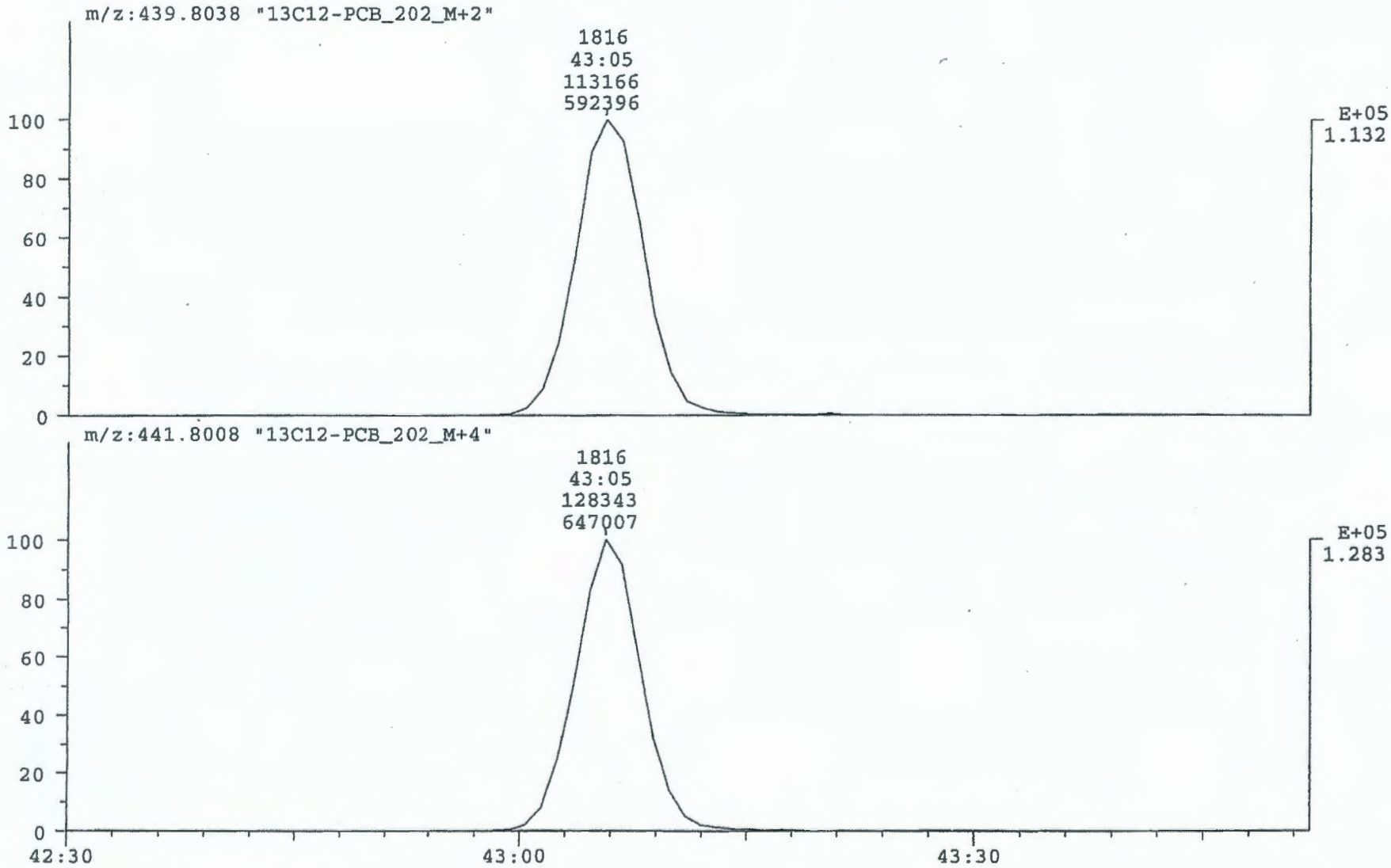
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   2190 > 2255         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 4              Label :  -3, 3.0
Disp:  Height  Area
```



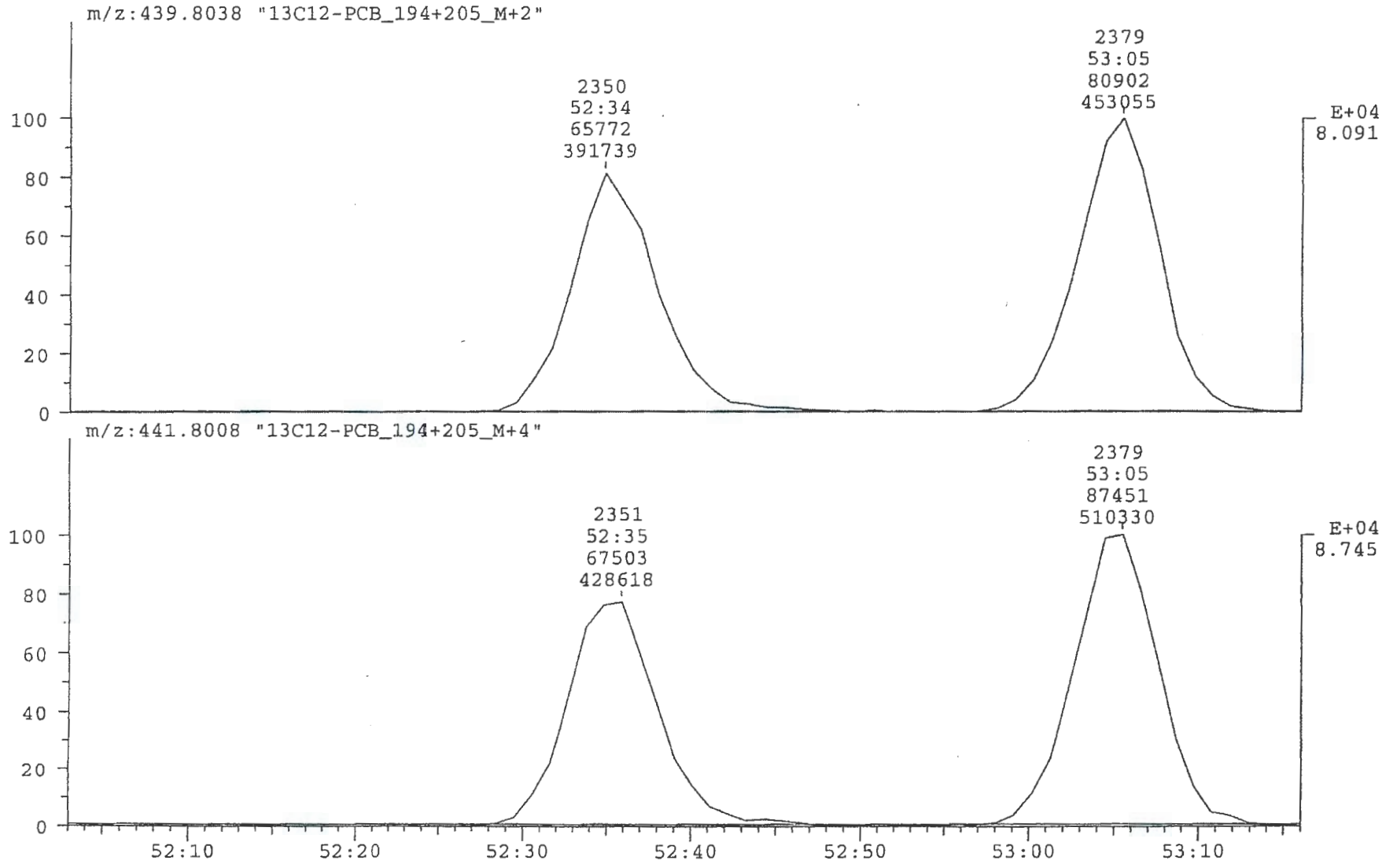
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  48:02      2097
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1800 > 2391        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



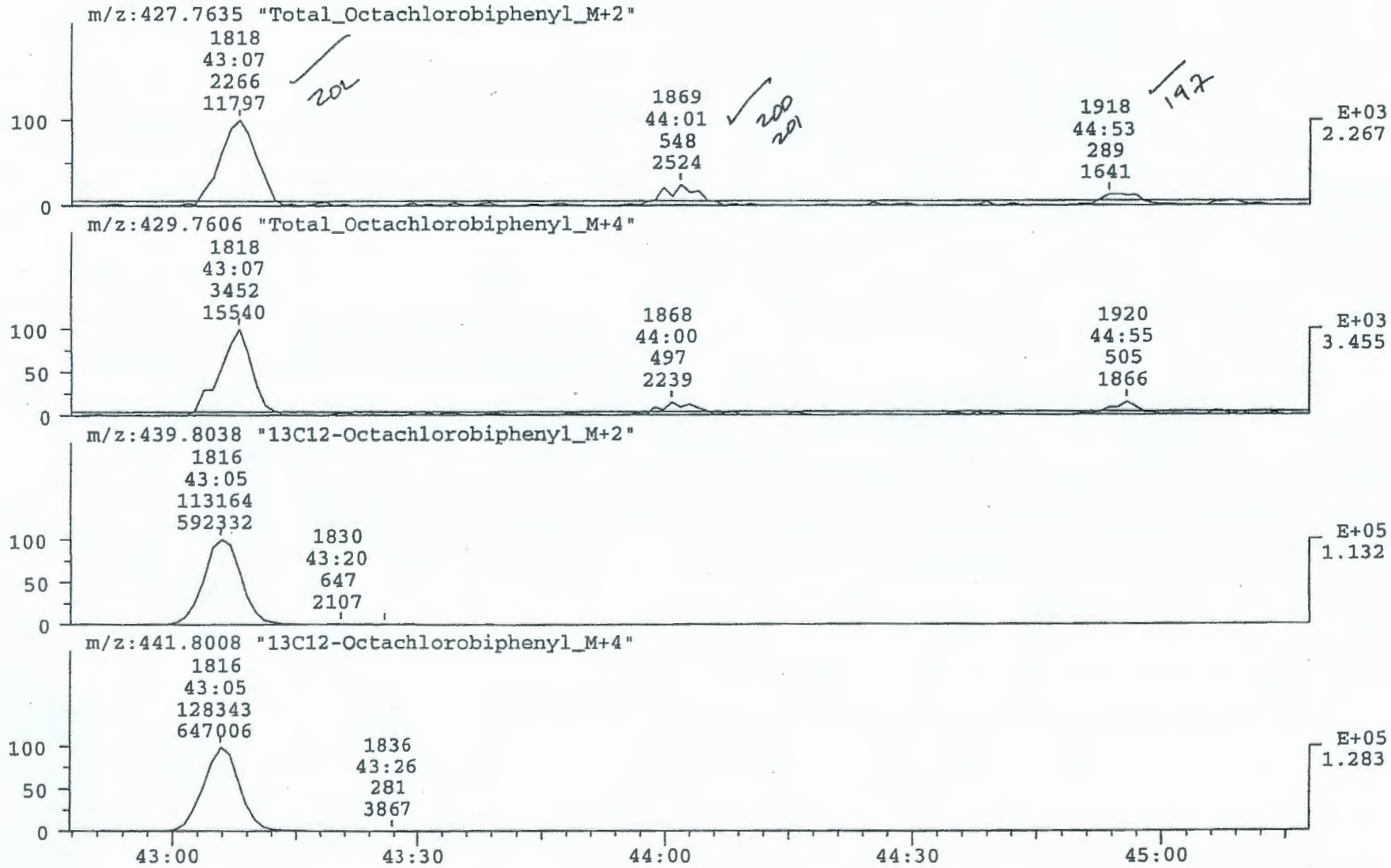
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  43:07      1818
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   1782 > 1860         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



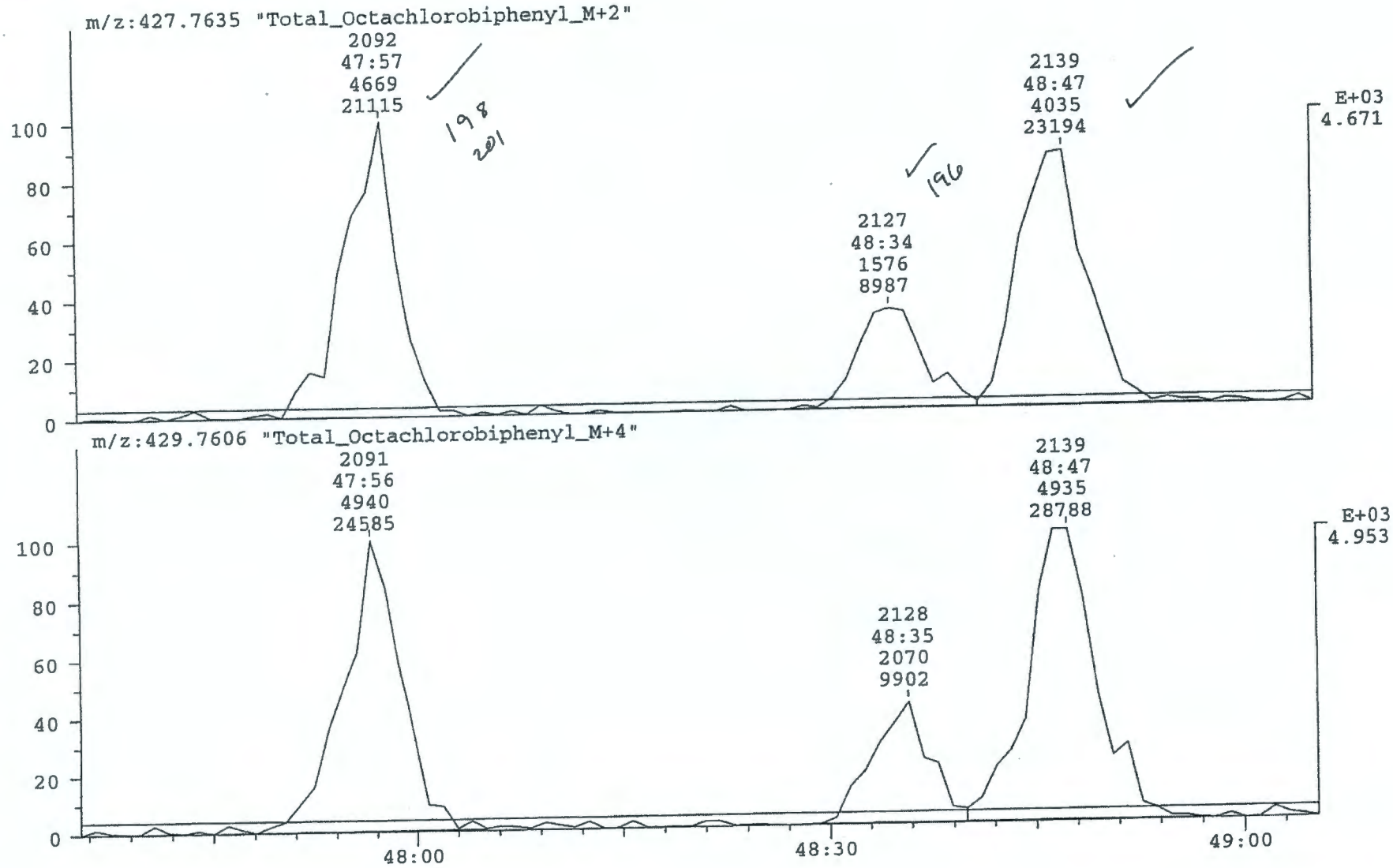
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  52:39      2354
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG          Client:  H7I180256-002               Inlet :  GC     Vial  35
Peak:  100.00  ppm     Label wndw:   2320 > 2389         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



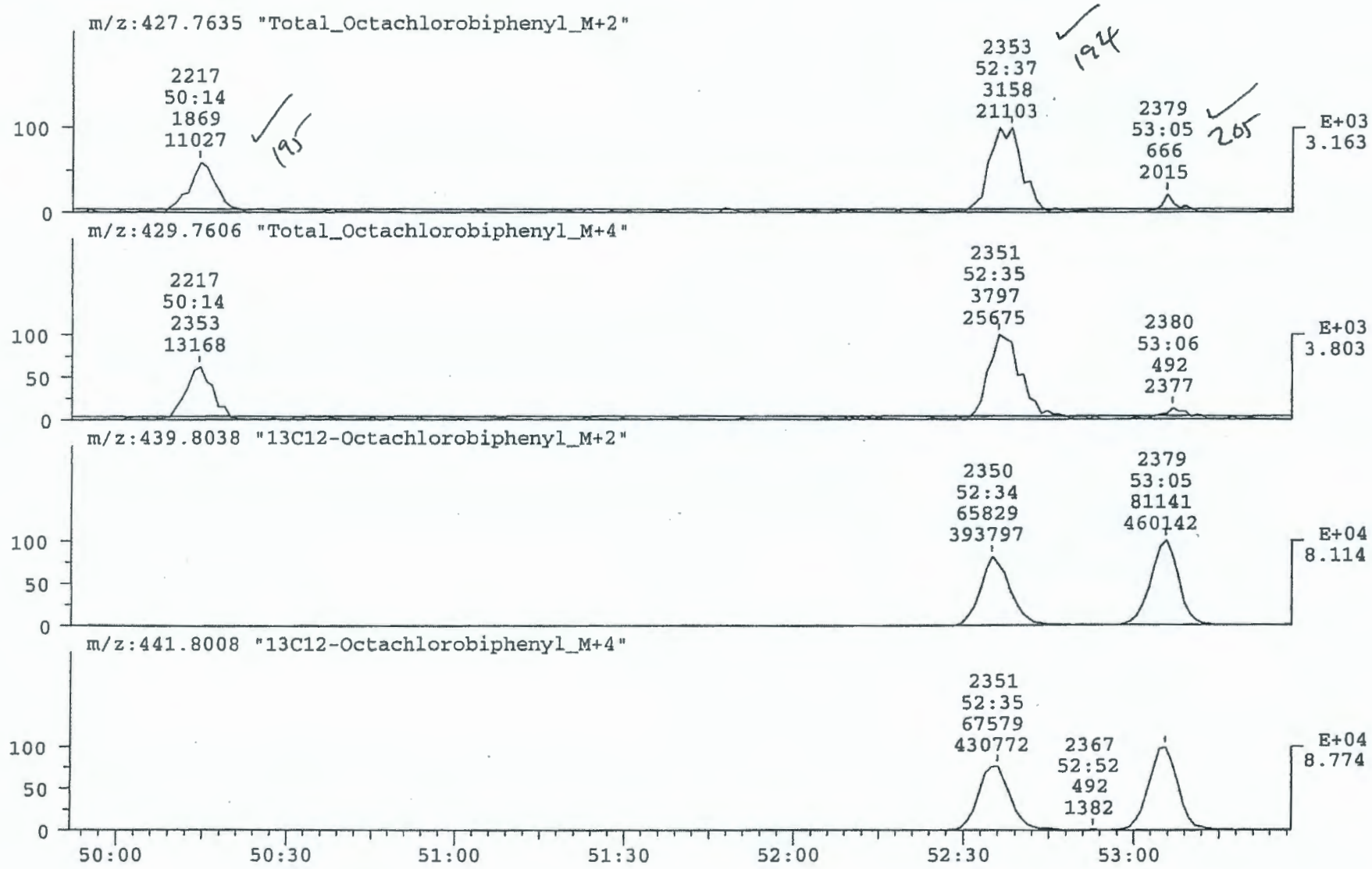
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1799 > 1941        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



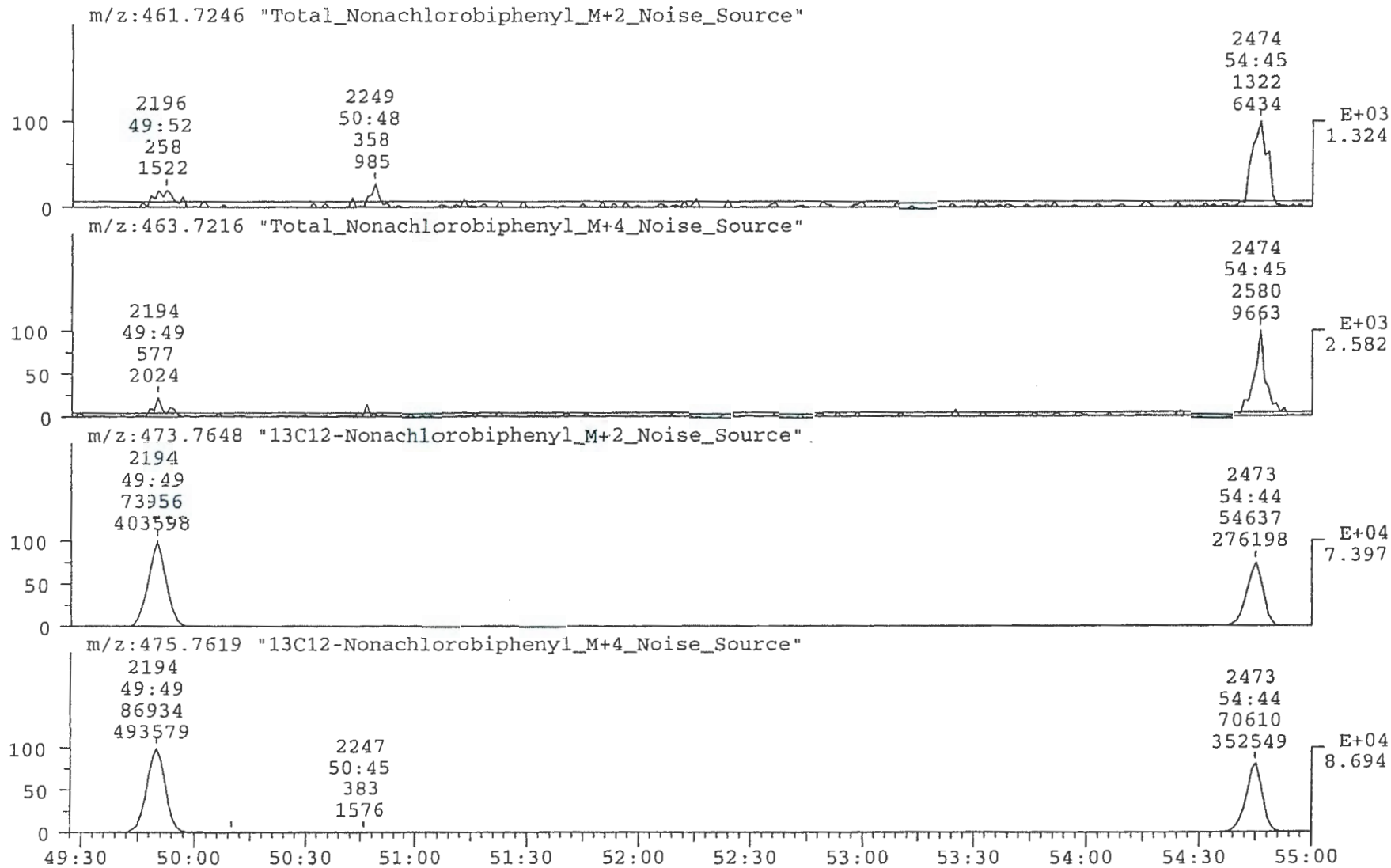
CHRO: apj64jx 28-Sep-07 Elapse: 41:43 1738
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 2071 > 2156 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



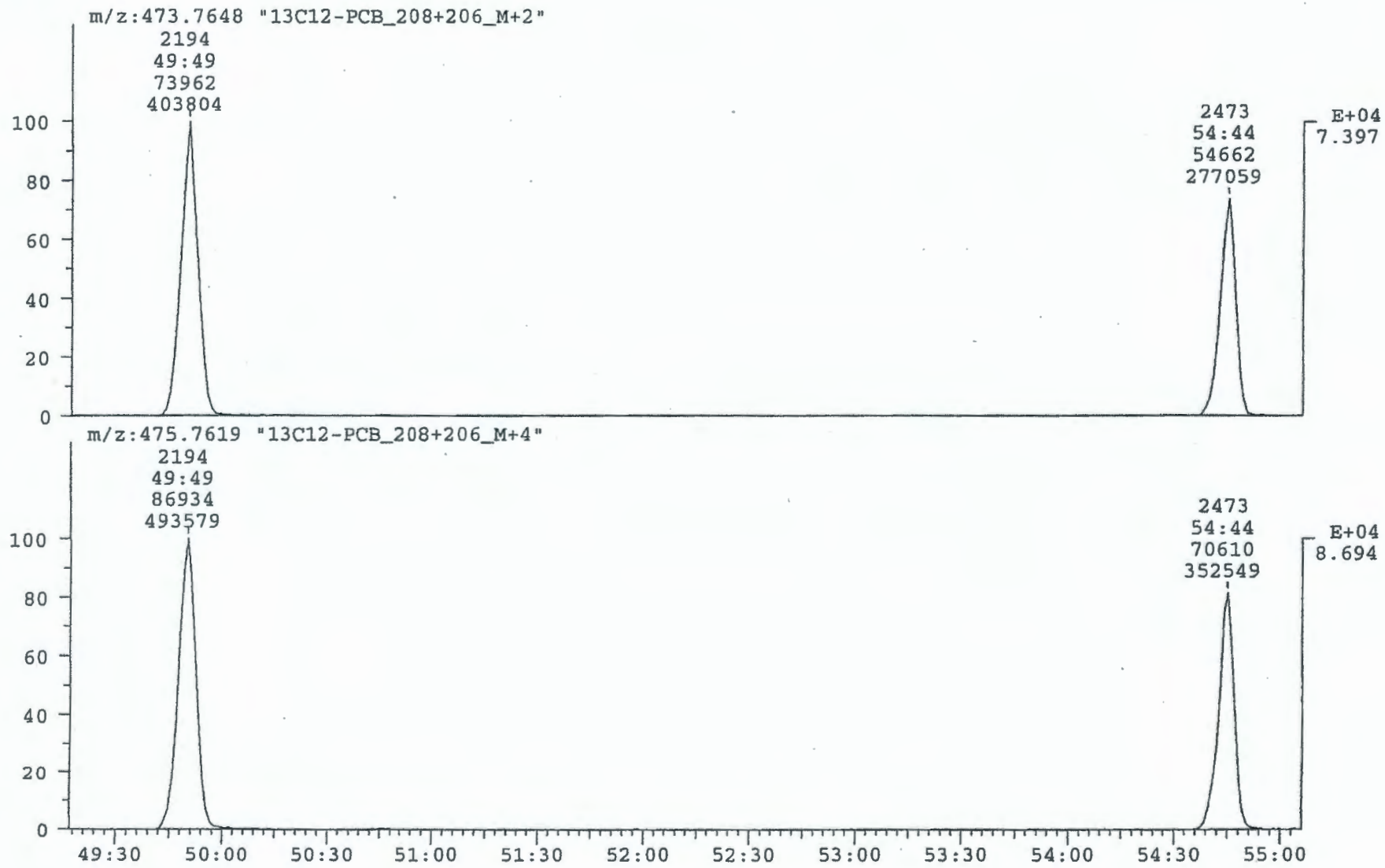
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   2196 > 2400        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



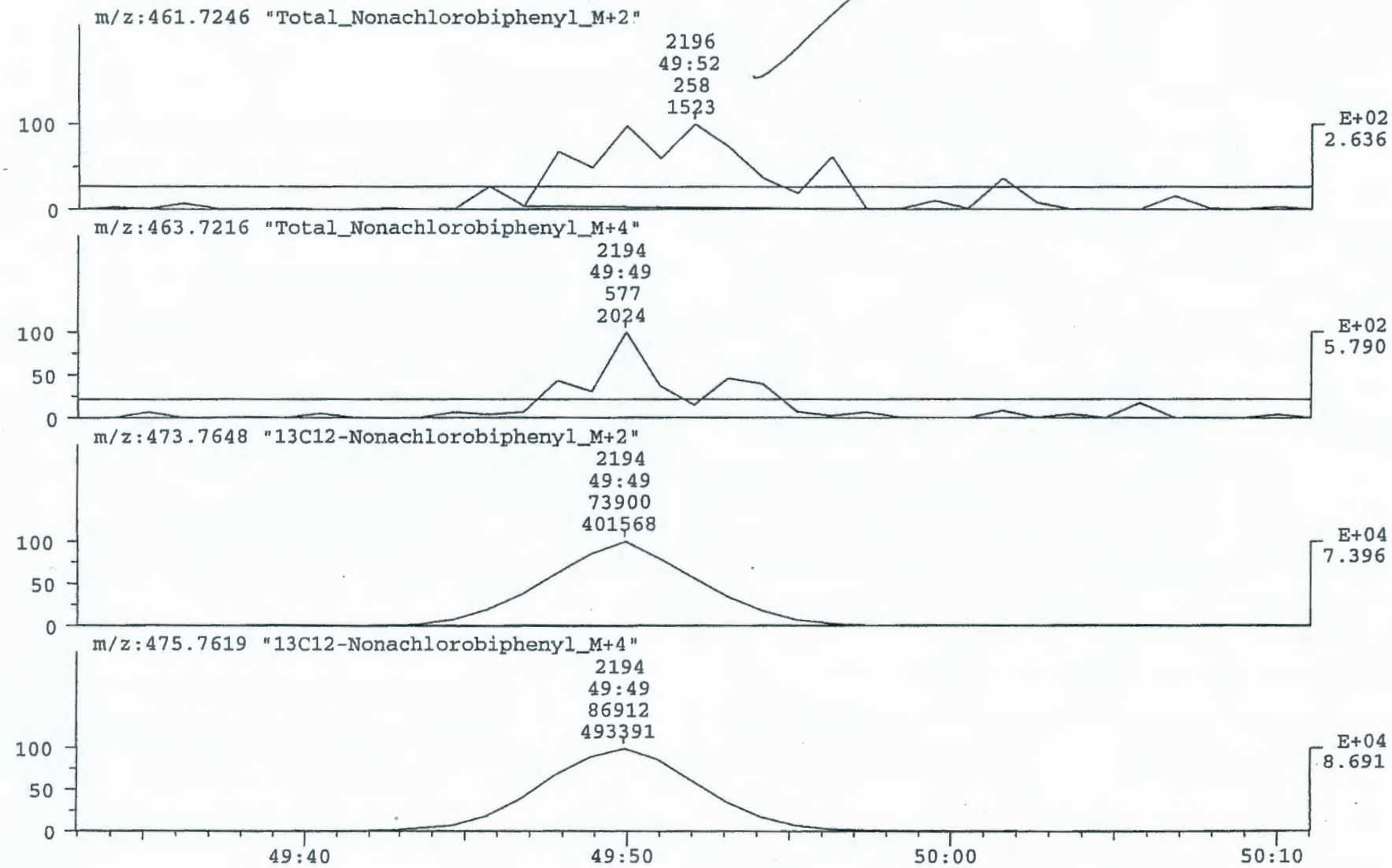
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  52:12      2329
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial  35
Peak:  100.00  ppm     Label wndw:   2172 > 2487         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



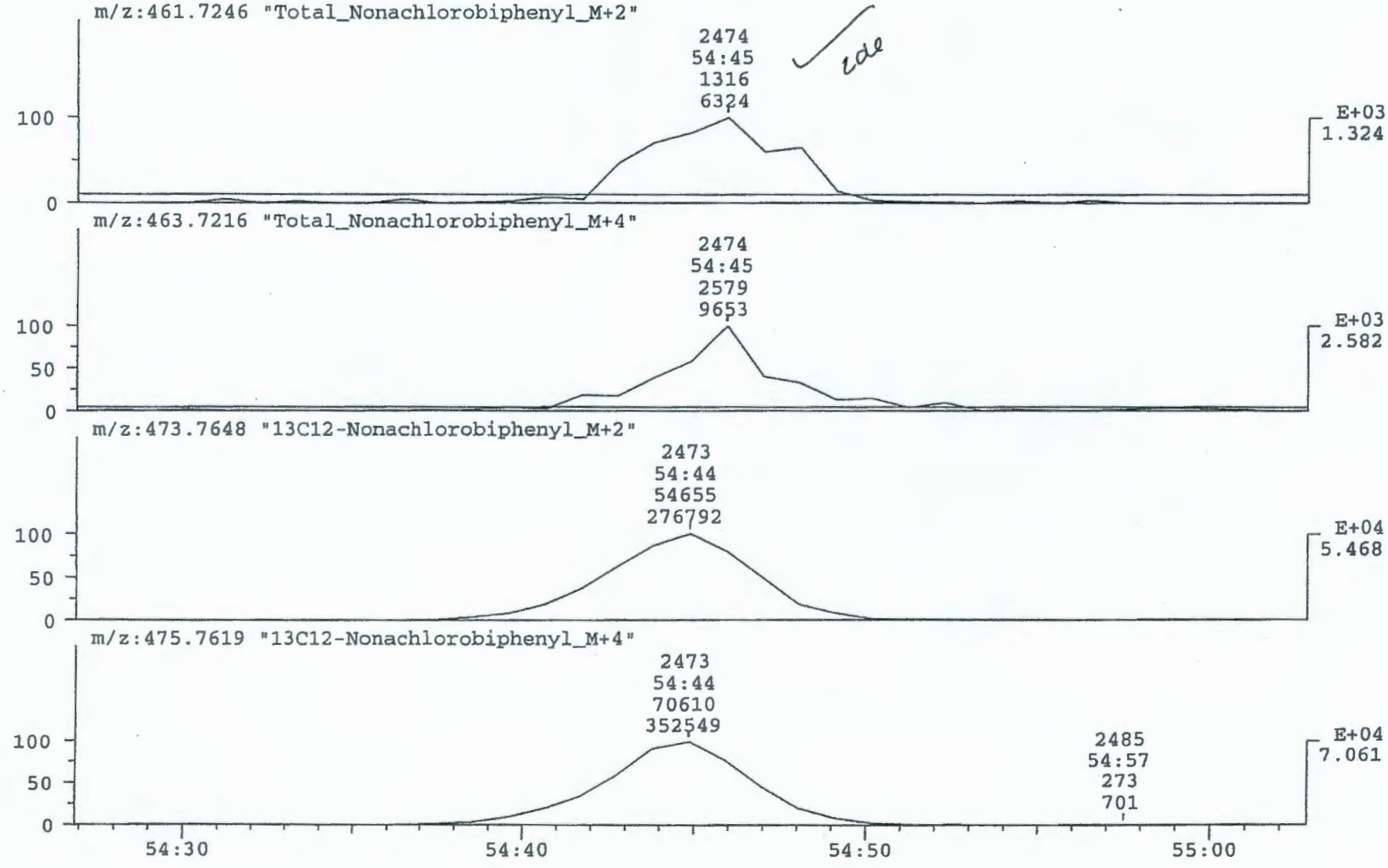
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  52:11      2328
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   2163 > 2493        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



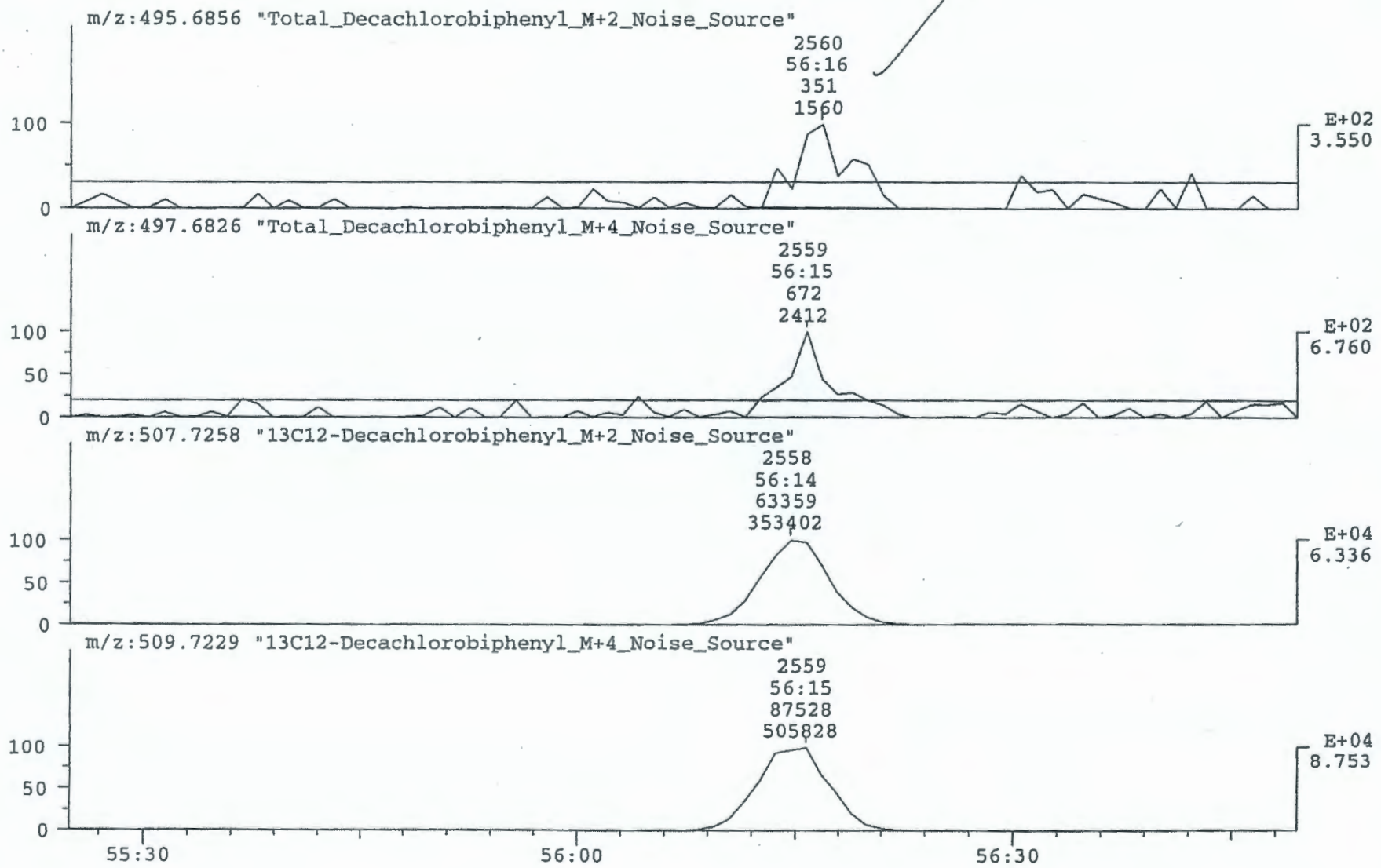
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG          Client:  H7I180256-002               Inlet :  GC     Vial 35
Peak:  100.00  ppm     Label wndw:   2178 > 2214         Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



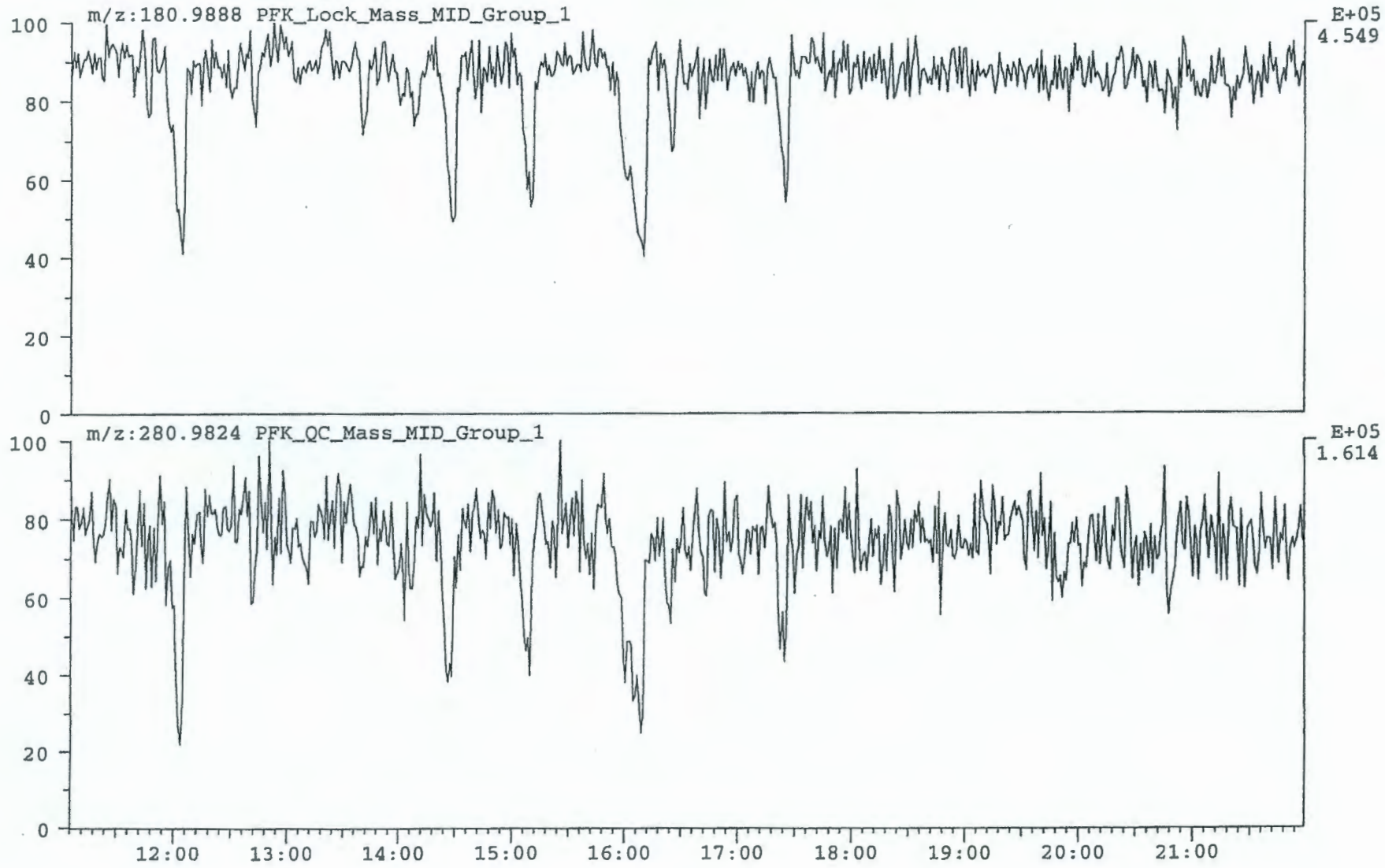
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  41:43      1738
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial  35
Peak:  100.00  ppm      Label wndw:   2456 > 2490        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



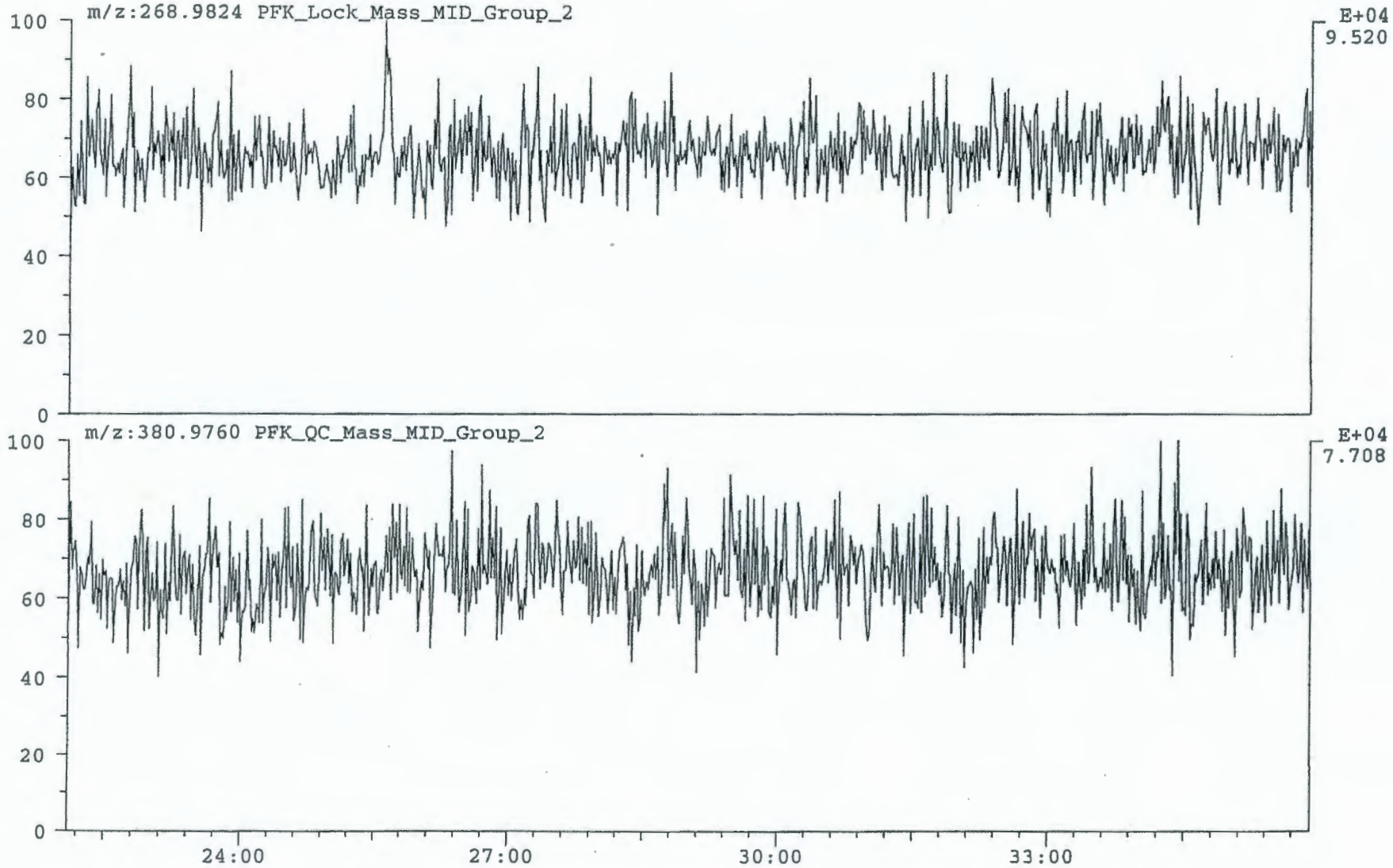
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  56:12      2556
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=mld/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   2511 > 2591        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



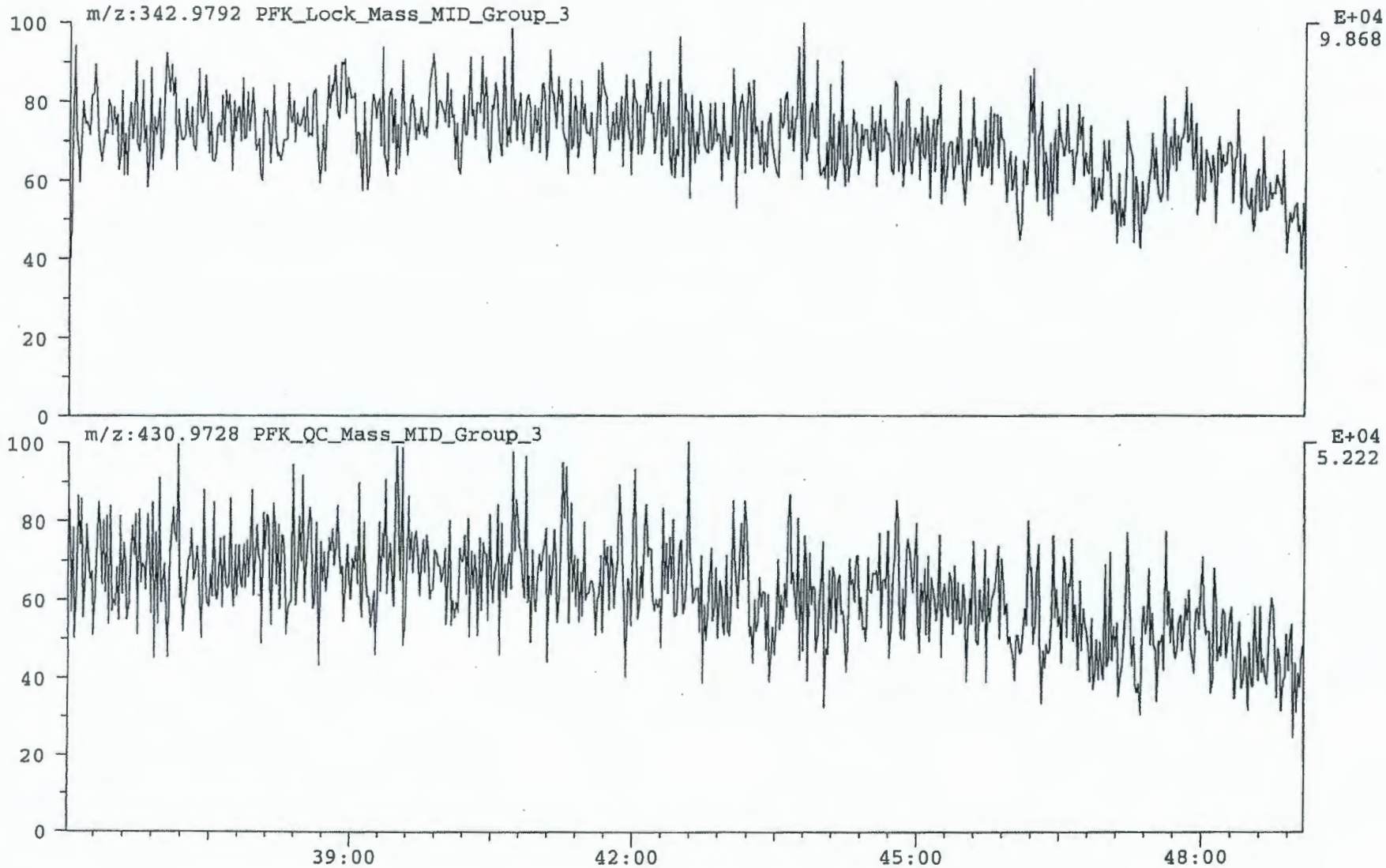
```
CHRO:  apj64jx                                28-Sep-07   Elapse:  56:12      2556
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   6 > 624             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  0, 0.0
Disp:  Height  Area
```



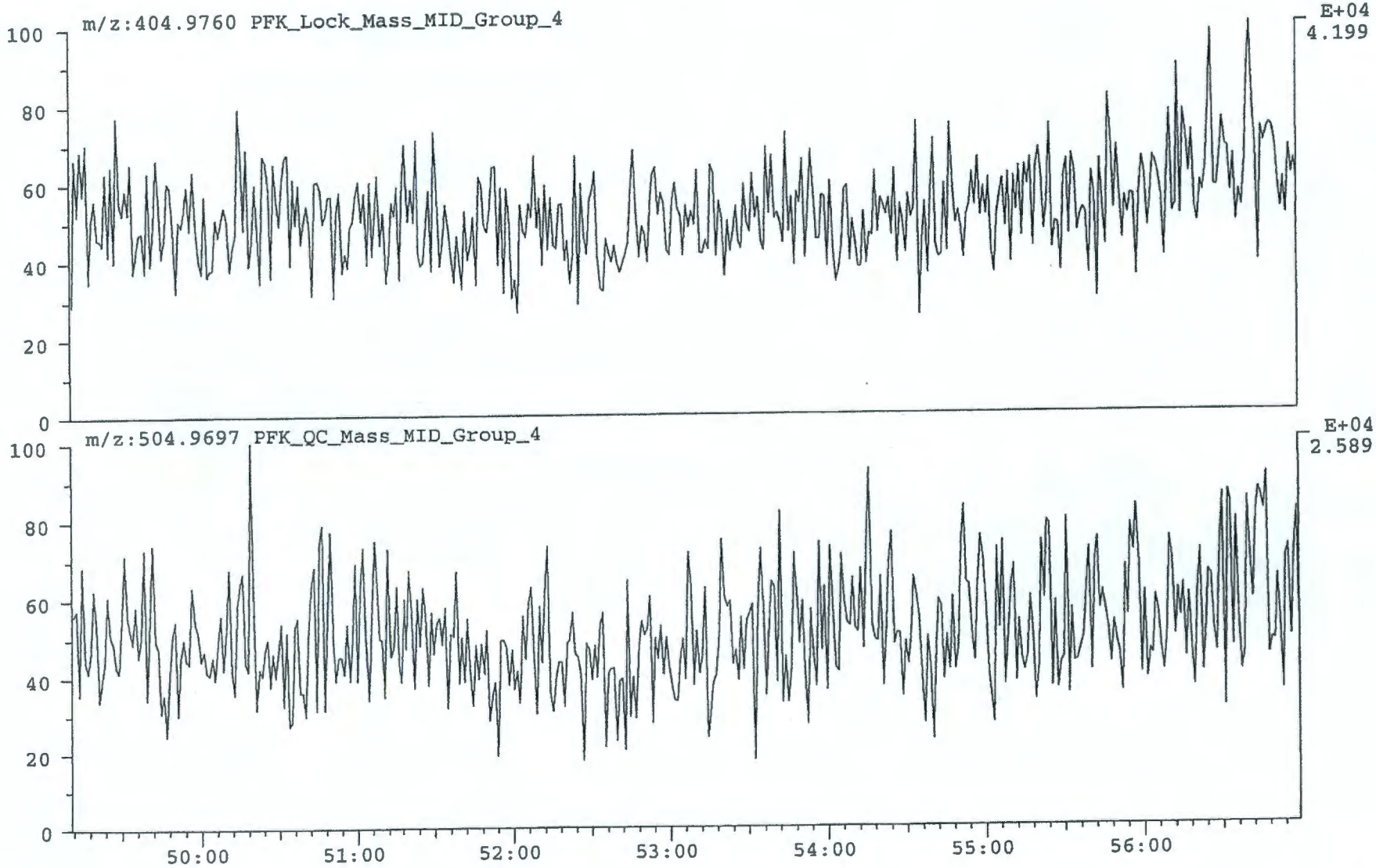
```
CHRO:  apj64jx                                28-Sep-07  Elapse:  56:12      2556
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002             Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   627 > 1411         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  0, 0.0
Disp:  Height  Area
```



```
CHRO:  apj64jx                                28-Sep-07   Elapse:  56:12      2556
Samp:  Vial 35 WO=j64jx1aa Meth=IE5 Dil=1                 Start :  19:15:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7264161 (10.0g)
Oper:  DCG            Client:  H7I180256-002              Inlet :  GC     Vial 35
Peak:  100.00  ppm      Label wndw:   1415 > 2155         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  0, 0.0
Disp:  Height  Area
```



CHRO: apj64jx 28-Sep-07 Elapse: 56:12 2556
Samp: Vial 35 WO=j64jx1aa Meth=IE5 Dil=1 Start : 19:15:25 2602
Comm: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7264161 (10.0g)
Oper: DCG Client: H7I180256-002 Inlet : GC Vial 35
Peak: 100.00 ppm Label wndw: 2158 > 2600 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area



Instrument internet name - mat95
Instrument model - MAT 95
Instrument serial number - 000000
Workstation internet name - icis1ms
ICIS Version 8.2.1

ICL Version: 10.710
File name: apj64jx
Study: 7264161 (10.0g)
Sample: WO=j64jx1aa Meth=IE5 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: H7I180256-002
Comments: Inst=m1d/35055-03a Batch=20070928s1 Ccal=20070313i
Injected volume: 2.00
Sample from Vial 35
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 4 of list 070928
ICL procedure: sleep7x
MID procedure: epa1668

MID Remarks: EPA 1668 - 209 PCBs- 2m/z's - 6/29/05

Mid Set Up Parameter:

Measure/lock ratio	1
Damping Relay	FALSE
Width first lock	0.10 amu
Electric jump time	10 ms
Magnetic jump time	60 ms
Offset	75 cts
Electric range	300 %
Sweep peak width	3.00
MID mode	Lock mode
Acq mode	Cent mode

Mid Time Windows:

	Start	Measure	End	Cycletime
# 1	11:00 min	11:00 min	22:00 min	1.00 sec
# 2	22:00 min	13:55 min	35:55 min	1.00 sec
# 3	35:55 min	13:10 min	49:05 min	1.00 sec
# 4	49:05 min	7:55 min	57:00 min	1.00 sec

Mid Masses:
Window # 1

mass	F	int	gr	time (ms)
180.9888	l	10	1	4.10
188.0393		1	1	47.79
190.0363		1	1	47.79
200.0795		1	1	47.79
202.0766		1	1	47.79
222.0003		1	1	47.79
223.9974		1	1	47.79
234.0406		1	1	47.79
236.0376		1	1	47.79
255.9613		1	1	47.79
257.9584		1	1	47.79
268.0016		1	1	47.79
269.9986		1	1	47.79
280.9824	c	10	1	4.10
289.9224		1	1	47.79
291.9194		1	1	47.79
301.9626		1	1	47.79
303.9597		1	1	47.79

Window # 2

mass	F	int	gr	time (ms)
255.9613		1	1	47.79
257.9584		1	1	47.79
268.0016		1	1	47.79
268.9824	1	10	1	4.10
269.9986		1	1	47.79
289.9224		1	1	47.79
291.9194		1	1	47.79
301.9626		1	1	47.79
303.9597		1	1	47.79
325.8804		1	1	47.79
327.8775		1	1	47.79
337.9207		1	1	47.79
339.9178		1	1	47.79
359.8415		1	1	47.79
361.8385		1	1	47.79
371.8817		1	1	47.79
373.8788		1	1	47.79
380.9760	c	10	1	4.10

Window # 3

mass	F	int	gr	time (ms)
325.8804		1	1	47.79
327.8775		1	1	47.79
337.9207		1	1	47.79
339.9178		1	1	47.79
342.9792	1	10	1	4.10
359.8415		1	1	47.79
361.8385		1	1	47.79
371.8817		1	1	47.79
373.8788		1	1	47.79
393.8025		1	1	47.79
395.7995		1	1	47.79
405.8428		1	1	47.79
407.8398		1	1	47.79
427.7635		1	1	47.79
429.7606		1	1	47.79
430.9728	c	10	1	4.10
439.8038		1	1	47.79
441.8008		1	1	47.79

Window # 4

mass	F	int	gr	time (ms)
393.8025		1	1	47.79
395.7995		1	1	47.79
404.9760	1	10	1	4.10
405.8428		1	1	47.79
407.8398		1	1	47.79
427.7635		1	1	47.79
429.7606		1	1	47.79
439.8038		1	1	47.79
441.8008		1	1	47.79
461.7246		1	1	47.79
463.7216		1	1	47.79
473.7648		1	1	47.79
475.7619		1	1	47.79
495.6856		1	1	47.79
497.6826		1	1	47.79
504.9697	c	10	1	4.10
507.7258		1	1	47.79
509.7229		1	1	47.79

Auto Sampler descriptor: 2ul
Normal Injection
Injector A
Slvnt A cln before inj (K): 3 times
Slvnt B cln before inj (L): 0 times

Sample rinse cycles	(R):	0	times
Syringe filling volume	(F):	1.0	ul
Pullup delay time	(D):	4	sec
Sample pullup count	(P):	2	times
Sample pullup speed	(E):	5.0	ul/sec
Slvnt aftr pre inj cln	(U):	0.0	ul
Air after pre inj cln	(G):	2.0	ul
Sample volume	(V):	2.0	ul
Sample air volume	(A):	2.0	ul
Injection speed	(S):	10.0	ul/sec
Pre Inj. wait time	(W):	10	sec
Post Inj. hold time	(H):	3	sec
Solvent A clean cycles	(C):	15	times
Solvent B clean cycles	(B):	0	times
Loop clean w slvnt A	(LC):	0	times
Loop clean w slvnt B	(LB):	0	times
Standard sample volume	(X):	0.0	ul
Standard air volume	(Y):	0.0	ul
2nd Injection volume	(I):	0.0	ul
Air volume of 2nd inj	(J):	0.0	ul
Time btwn 2 injections	(T):	0	sec

GC descriptor : epa1668

Injector:	270 deg		270 deg max
Transfer Line:	280 deg		280 deg max
Column:	75 deg at	0.0 minutes	280 deg max
	75 deg at	2.0 minutes	
	150 deg at	7.0 minutes	
	270 deg at	55.0 minutes	
	270 deg at	57.0 minutes	

Inlet : Splitless mode
Purge time 1.5 min
Purge flow 40.0 ml/min
Gas saver is on
Saver time 3.0 min
Saver flow 15.0 ml/min
Column : Constant Flow 1.0 ml
Stabilize time 0.5 minutes

ICL Parameters

BCORRL	0.0150	BCORRS	0.0110	BCURR	16383.0000
BDEV	16383.0000	BFM	2.0000	BLM	1034.0919
BMASS	180.4888	BQUAD	0.0000	CAPIL	0.0000
CAPTEMP	359.9988	CAPTSET	200.0000	CCURR	3.6706
CORONA	0.0000	CYCLE	0.0000	DELAY	0.0000
DITEMP	0.1954	DITSET	0.0000	DRAW	-16.9500
DRAWC	1.0000	DRAWS	-0.0050	ECORR	0.9991
ECURR	1.0000	EDAC	7969177.0000	EDACG	1.0003
EDACR	23.0000	EDACZ	-2255.0000	ELEN	56.3500
EMULT	2.3000	ENS	163.0000	ERATIO	1.0000
ESA	763.8000	ESICUR	10.0011	ESIPAR	0.0000
EXS	151.0000	FDMA	18000000.0000	FLENS	1.0000
FM	20.0000	FMII	50.0000	FQUAD	0.0000
FREQ	300.4808	FSLOPE	54000000.0000	FVANAL	305.0000
FVINLET	279.0000	FVSRC	953.0000	FWIN	0.7000
GCTC	200.0000	GCTI	270.0000	GCTL	280.0000
HACCU	208.0000	HCURR	1.4902	HVANAL	1335.0000
HVSRC	0.0000	ICAL0	0.0011	ICAL1	0.4030
ICAL2	0.5865	IONEN	4774.1100	IST	271.3713
ISTC	0.0000	ISTCKP	5.0000	ISTCTD	1.0000
ISTCTN	2.0000	ISTCTS	60.0000	ISTCTV	3.0000
ISTS	270.0000	LENS	1401.0000	LENSS	71.8000
LKM	404.9760	LM	800.0000	LMASS	180.4888
LMII	500.0000	MASS	180.4888	MDAC	2343625.4487

MDACR	23.0000	MRANGE	1034.0919	MSFM	2.0000
MSLM	3790.0000	NPEAK	1.0000	NSAM	100.0000
NSCAN	2606.0000	NSMAX	8.0000	NSMIN	2.0000
OCT	-2.0000	PSAM	10.0000	PUSHER	-7.5000
RDRAW	0.0000	RDRAWC	0.0000	RECURR	0.0000
RELEN	0.0000	RES	10643.8302	RFAMP	799.9987
RFCUR	100.0110	RPUSHER	0.0000	RWIN	2.0000
SACCU	3.0000	SCIDLE	1.0000	SHIELD	2456.0000
SHIELDS	0.0000	SHIGH	180.0000	SKIM	7.0000
SLOW	60.0000	SPRAY	8.0000	SS	3.0000
SW	0.0500	TANAL	420.8400	TCURR	0.8203
TD	1.0000	THRESH	5.0000	TIS	0.2000
TREF	150.0000	TS	1.6021	TSAM	200.0000
TSET	0.0000	TUBEL	0.0000	UOFS	5.0000
URATIO	1.9800	USERVAR	0.0000	VAPTEMP	599.9997
VAPTSET	400.0000	VMASS	180.4888	XLENS	2613.0000
XLENSS	-16.4000	YLENS	3698.0000	YLENSS	28.2000

```
Scantype is  electric
Sourcemode is  EI POS

Analysis started at: 28-Sep-07 19:15:25.5

Autosampler has injected sample from vial 35
MID Time Window 1: Resolution is 9049
MID Time Window 2: Resolution is 8967
MID Time Window 3: Resolution is 9024
MID Time Window 4: Resolution is 8803
 Analysis stopped at: 28-Sep-07 20:12:28.5   (run time 57.03 minutes)
Analysis stopped because MID run finished
```

Standards Data
SPB-Octyl Column

STL Knoxville Specialty Organics Group GC/MS Initial Calibration Data Review Checklist
Method or SOP Number: KNOX-ID-0013 Revision 5

PFK Date/Time:	3-13-07/17:33	Inst:	MAT95	2nd Source Filename:	907031355

CS0.5 Filename	CS1 Filename	CS2 Filename	CS3 Filename	CS4 Filename	CS5 Filename
907031316	907031361	907031362	907031363	907031364	907031365

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd Level
1. Was the mass resolution documented before beginning the initial calibration?		✓			✓
2. Was the instrument resolution ≥8,000 throughout and ≥ 10,000 in the center of each m/z range. PFK m/z 192.9888, *230.9856, and *280.9824? PFK m/z 268.9824, *292.9824, and *380.9760? PFK m/z 342.9792, *380.9760, and *430.9728? PFK m/z 404.9760, *442.9728, and *530.9665?		✓			✓
3. Were the measured exact masses listed above within 5 ppm at reduced accelerating voltage?		✓			✓
4. Have PCB Mixes 1 - 5 been analyzed in triplicate using the installed column to assign congener retention times, method retention times, and MID s`witchpoints?		✓			✓
5. Were the calibration standard solutions, at the number and concentrations specified in the Method/SOP, analyzed?		✓			✓
6. Was date/time of analysis verified between analysis header and logbook as correct?		✓			✓
7. Was the valley height less than 40% of the height of the shorter of the two peaks for the pair PCB 23 and PCB 34, and the pair PCB 182 and PCB 187 in the CS3 standard?		✓			✓
8. Was the absolute retention time of PCB 209 greater than 55 minutes in the CS3 standard?		✓			✓
9. Were the response factors calculated for each labeled standard and unlabeled native analyte using the Method/SOP specified reference compound, quantitation ions, and formula?		✓			✓
10. Is the %RSD acceptable for all native analytes (within ± 20% calculated by isotope dilution, within ± 35% calculated by internal standard)?		✓			✓
11. Is the %RSD acceptable (within ± 35%) for all labeled standards?		✓			✓
12. Are all S/N ratios ≥10 for the GC signals in each EICP (extracted ion chromatographic profile) including internal standards (Exception: Secondary native dichloro biphenyl channel m/z 223.9974)?		✓			✓
13. Are the ion abundance ratios in the CS 0.5 within the control limits specified? (Exception: native dichlorobiphenyls)?		✓			✓
14. Were all toxic congeners uniquely resolved from non-toxic congeners?		✓			✓
15. Was an ICV analyzed, calculated using the CS3 RRFs, and the %D within ± 35%)?		✓		☐ < 5 outliers, none more than ±50% D.	✓
16. If manual integrations were performed, are they clearly identified, initialed and dated?		✓			✓
17. If criteria were not met, was an NCM generated, approved by supervisor, and copy included in folder?	✓				✓
18. Does the ICAL folder contain **complete** data in the following order? Data review checklist, a **complete** runlog, Avg. %RSD summary, Ratio summary, Calculation summary, PFK resolution/peak match documentation (HRMS only), and Total RIC, EICP's and manual integration - for window and all standards, in order from low to high standard.		✓			✓

Analyst: DCG	Date: 3-16-07	2nd Level Reviewer : BMW	Date: 3/26/07
Comments:		Comments:	

*At reduced accelerating voltage

STL KNOXVILLE
SPECIALTY ORGANICS INSTRUMENT MAT 95 RUN LOG

Date	Time	Opr	Sample ID	Filename	Code	Matrix	Type	Tape	Lot#/Comments
~~3-13-07~~	~~09:~~								DCG 3-13-07
3-13-07	17:33	DCG	AFK	–	ok	–	ACS		MASSCHK
3-13-07	17:42	DCG	2990:71C50.5	907031316	OK	–	ICAL		1668 ICAL
3-13-07	18:44	DCG	2990:71 C51	907031311	ok	–	ICAL		
3-13-07	lock up	DCG	2990:71C52	907031312	IF	–	ICAL		
3-13-07	21:18	DCG	2990:71 C52	907031312	OK	–	ICAL		
3-13-07	22:19	DCG	2990:71C53	907031313	OK	–	ICAL		
3-13-07	23:21	DCG	2990:71C54	907031314	ok	–	ICAL		
3-14-07	00:23	DCG	2990:71C55	907031315	OK	–	ICAL		
3-14-07	01:25	DCG	NONAME	SPDT	ok	–	QC		Flush
3-14-07	01:39	DCG			ok	–	QC		
3-14-07	01:52	DCG			OK	–	QC		
3-14-07	02:09	DCG	2990:74	907031333	OK	–	2nd		2nd Source STD

Read and Understood by:

_____ Date: _____

STL - Knoxville
Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

Response Factor

Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	Mean RF	%RSD	Limit	Valid?
13C12-PCB 1		1.364	1.345	1.292	1.322	1.351	1.232	1.318	3.7	35.0	True
13C12-PCB 3		1.315	1.320	1.302	1.345	1.353	1.318	1.325	1.5	35.0	True
PCB 1 (BZ)	L	1.243	1.217	1.149	1.222	1.240	1.447	1.253	8.0	20.0	True
PCB 2 (BZ)		1.245	1.121	1.131	1.179	1.191	1.492	1.226	11.2	35.0	True
PCB 3 (BZ)	L	1.697	1.347	1.169	1.183	1.207	1.486	1.348	15.5	20.0	True
13C12-PCB 4		0.621	0.614	0.614	0.618	0.622	0.600	0.615	1.3	35.0	True
13C12-PCB 9		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.0	35.0	True
13C12-PCB 8				1.501	1.253	1.243		1.332	11.0	35.0	True
13C12-PCB 15		1.036	1.019	1.062	1.059	1.089	1.123	1.065	3.5	35.0	True
PCB 4 (BZ)	L	1.259	1.187	1.143	1.175	1.184	1.321	1.212	5.4	20.0	True
PCB 10 (BZ)		1.331	1.258	1.271	1.294	1.296	1.503	1.326	6.8	35.0	True
PCB 9 (BZ)		1.439	1.461	1.362	1.387	1.378	1.644	1.445	7.2	35.0	True
PCB 7 (BZ)		1.466	1.349	1.343	1.383	1.377	1.673	1.432	8.8	35.0	True
PCB 6 (BZ)		1.436	1.439	1.398	1.389	1.380	1.659	1.450	7.3	35.0	True
PCB 5 (BZ)		1.445	1.288	1.276	1.280	1.301	1.545	1.356	8.3	35.0	True
PCB 8 (BZ)		1.487	1.421	1.359	1.450	1.452	1.692	1.477	7.7	35.0	True
PCB 14 (BZ)		1.667	1.538	1.645	1.616	1.642	2.016	1.687	9.9	35.0	True
PCB 11 (BZ)		1.608	1.406	1.344	1.331	1.372	1.625	1.448	9.2	35.0	True
PCB 13 (BZ)		1.434	1.320	1.327	1.363	1.406	1.872	1.454	14.4	35.0	True
PCB 12 (BZ)		1.434	1.320	1.327	1.363	1.406	1.872	1.454	14.4	35.0	True
PCB 15 (BZ)	L	1.343	1.144	1.148	1.184	1.179	1.398	1.233	8.9	20.0	True
13C12-PCB 19		0.558	0.580	0.561	0.562	0.554	0.535	0.558	2.6	35.0	True
13C12-PCB 32		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.0	35.0	True
13C12-PCB 31		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.0	35.0	True
13C12-PCB 28				1.076	0.900	0.928		0.968	9.8	35.0	True
13C12-PCB 37		0.843	0.864	0.875	0.880	0.908	0.941	0.885	3.9	35.0	True
PCB 19 (BZ)	L	1.186	1.142	1.125	1.176	1.183	1.254	1.178	3.8	20.0	True
PCB 30 (BZ)		1.860	1.828	1.826	1.803	1.831	2.099	1.874	5.9	35.0	True
PCB 18 (BZ)		1.189	1.280	1.191	1.257	1.268	1.389	1.262	5.8	35.0	True
PCB 17 (BZ)		1.287	1.297	1.279	1.292	1.328	1.472	1.326	5.6	35.0	True
PCB 27 (BZ)		1.973	1.800	1.741	1.930	1.902	2.325	1.945	10.5	35.0	True
PCB 24 (BZ)		1.930	1.586	1.650	1.689	1.823	2.014	1.782	9.4	35.0	True
PCB 16 (BZ)		1.188	1.064	1.144	1.115	1.162	1.271	1.157	6.1	35.0	True
PCB 32 (BZ)		1.983	1.709	1.901	1.962	1.974	2.271	1.966	9.2	35.0	True
PCB 34 (BZ)		1.334	1.121	1.169	1.195	1.152	1.323	1.216	7.5	35.0	True
PCB 23 (BZ)		1.187	1.166	1.154	1.207	1.169	1.365	1.208	6.5	35.0	True
PCB 29 (BZ)		1.195	1.162	1.195	1.228	1.224	1.583	1.265	12.5	35.0	True
PCB 26 (BZ)		1.195	1.162	1.195	1.228	1.224	1.583	1.265	12.5	35.0	True
PCB 25 (BZ)		1.278	1.292	1.358	1.364	1.321	1.556	1.362	7.4	35.0	True
PCB 31 (BZ)		1.326	1.235	1.257	1.260	1.218	1.417	1.285	5.8	35.0	True
PCB 28 (BZ)		1.313	1.170	1.184	1.171	1.163	1.430	1.238	8.8	35.0	True
PCB 20 (BZ)		1.313	1.170	1.184	1.171	1.163	1.430	1.238	8.8	35.0	True
PCB 21 (BZ)		1.276	1.223	1.205	1.244	1.187	1.518	1.276	9.6	35.0	True
PCB 33 (BZ)		1.276	1.223	1.205	1.244	1.187	1.518	1.276	9.6	35.0	True
PCB 22 (BZ)		1.197	1.122	1.149	1.197	1.184	1.460	1.218	10.0	35.0	True
PCB 36 (BZ)		1.312	1.148	1.218	1.276	1.263	1.497	1.286	9.2	35.0	True
PCB 39 (BZ)		1.466	1.178	1.249	1.286	1.276	1.525	1.330	10.1	35.0	True
PCB 38 (BZ)		1.299	1.145	1.181	1.212	1.220	1.420	1.246	8.0	35.0	True
PCB 35 (BZ)		1.320	1.027	1.146	1.161	1.153	1.365	1.195	10.5	35.0	True

 BFW 3/29/07 D(7 3-29-07

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Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

		Response Factor									
Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	Mean RF	%RSD	Limit	Valid?
PCB 37 (BZ)	L	1.337	1.106	1.162	1.179	1.177	1.385	1.224	9.0	20.0	True
13C12-PCB 54		0.599	0.615	0.601	0.600	0.589	0.581	0.598	1.9	35.0	True
13C12-PCB 52		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.0	35.0	True
13C12-PCB 79				1.080	1.069	1.117		1.089	2.3	35.0	True
13C12-PCB 81		1.204	1.235	1.239	1.279	1.337	1.425	1.286	6.4	35.0	True
13C12-PCB 77		1.205	1.252	1.249	1.295	1.372	1.409	1.297	6.1	35.0	True
PCB 54 (BZ)	L	1.130	1.251	1.195	1.182	1.207	1.302	1.211	4.9	20.0	True
PCB 50 (BZ)		0.963	0.931	0.888	0.902	0.883	0.994	0.927	4.8	35.0	True
PCB 53 (BZ)		0.963	0.931	0.888	0.902	0.883	0.994	0.927	4.8	35.0	True
PCB 45 (BZ)		0.855	0.883	0.817	0.833	0.804	0.953	0.857	6.4	35.0	True
PCB 51 (BZ)		0.855	0.883	0.817	0.833	0.804	0.953	0.857	6.4	35.0	True
PCB 46 (BZ)		0.712	0.706	0.722	0.708	0.681	0.709	0.706	1.9	35.0	True
PCB 52 (BZ)		0.998	0.972	0.897	0.913	0.876	0.900	0.926	5.2	35.0	True
PCB 73 (BZ)		1.030	0.961	0.937	0.933	0.906	0.978	0.957	4.5	35.0	True
PCB 43 (BZ)		1.030	0.961	0.937	0.933	0.906	0.978	0.957	4.5	35.0	True
PCB 69 (BZ)		1.298	1.181	1.154	1.090	1.084	1.275	1.180	7.7	35.0	True
PCB 49 (BZ)		1.054	1.049	0.940	0.998	0.970	1.022	1.005	4.5	35.0	True
PCB 48 (BZ)		0.990	0.850	0.862	0.850	0.848	0.916	0.886	6.4	35.0	True
PCB 65 (BZ)		1.069	1.010	0.947	0.964	0.959	1.194	1.024	9.2	35.0	True
PCB 47 (BZ)		1.069	1.010	0.947	0.964	0.959	1.194	1.024	9.2	35.0	True
PCB 44 (BZ)		1.069	1.010	0.947	0.964	0.959	1.194	1.024	9.2	35.0	True
PCB 62 (BZ)		1.350	1.267	1.202	1.237	1.234	1.489	1.297	8.3	35.0	True
PCB 75 (BZ)		1.350	1.267	1.202	1.237	1.234	1.489	1.297	8.3	35.0	True
PCB 59 (BZ)		1.350	1.267	1.202	1.237	1.234	1.489	1.297	8.3	35.0	True
PCB 42 (BZ)		0.914	0.881	0.844	0.835	0.821	0.863	0.860	3.9	35.0	True
PCB 41 (BZ)		0.793	0.722	0.677	0.722	0.715	0.711	0.723	5.3	35.0	True
PCB 71 (BZ)		0.970	0.921	0.919	0.928	0.911	1.071	0.953	6.4	35.0	True
PCB 40 (BZ)		0.970	0.921	0.919	0.928	0.911	1.071	0.953	6.4	35.0	True
PCB 64 (BZ)		1.408	1.202	1.282	1.278	1.268	1.440	1.313	7.0	35.0	True
PCB 72 (BZ)		1.427	1.207	1.222	1.196	1.176	1.315	1.257	7.7	35.0	True
PCB 68 (BZ)		1.358	1.369	1.262	1.273	1.273	1.429	1.327	5.1	35.0	True
PCB 57 (BZ)		1.191	1.234	1.176	1.152	1.149	1.262	1.194	3.8	35.0	True
PCB 58 (BZ)		1.307	1.248	1.196	1.226	1.223	1.358	1.260	4.8	35.0	True
PCB 67 (BZ)		1.281	1.268	1.239	1.244	1.246	1.441	1.286	6.0	35.0	True
PCB 63 (BZ)		1.375	1.267	1.288	1.296	1.310	1.496	1.339	6.4	35.0	True
PCB 61 (BZ)		1.205	1.225	1.143	1.141	1.135	1.293	1.190	5.3	35.0	True
PCB 70 (BZ)		1.299	1.230	1.209	1.234	1.278	1.653	1.317	12.8	35.0	True
PCB 76 (BZ)		1.299	1.230	1.209	1.234	1.278	1.653	1.317	12.8	35.0	True
PCB 74 (BZ)		1.299	1.230	1.209	1.234	1.278	1.653	1.317	12.8	35.0	True
PCB 66 (BZ)		1.327	1.279	1.218	1.233	1.222	1.456	1.289	7.1	35.0	True
PCB 55 (BZ)		1.177	1.164	1.120	1.113	1.110	1.280	1.161	5.6	35.0	True
PCB 56 (BZ)		1.332	1.191	1.167	1.175	1.177	1.344	1.231	6.8	35.0	True
PCB 60 (BZ)		1.268	1.209	1.138	1.138	1.128	1.264	1.191	5.5	35.0	True
PCB 80 (BZ)		1.518	1.314	1.363	1.383	1.354	1.565	1.416	7.1	35.0	True
PCB 79 (BZ)		1.350	1.345	1.260	1.350	1.369	1.550	1.371	7.0	35.0	True
PCB 78 (BZ)		1.201	1.199	1.144	1.144	1.133	1.266	1.181	4.3	35.0	True
PCB 81 (BZ)	T	1.390	1.258	1.255	1.283	1.280	1.439	1.317	5.9	20.0	True
PCB 77 (BZ)	T	1.252	1.133	1.193	1.166	1.139	1.315	1.200	5.9	20.0	True
13C12-PCB 104		1.292	1.314	1.277	1.280	1.224	1.172	1.260	4.1	35.0	True

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Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

Response Factor

Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	Mean RF	%RSD	Limit	Valid?
13C12-PCB 95				0.734	0.718	0.770		0.741	3.6	35.0	True
13C12-PCB 101		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.0	35.0	True
13C12-PCB 111				1.248	1.208	1.231		1.229	1.6	35.0	True
13C12-PCB 123		0.951	0.936	0.942	0.960	0.962	0.976	0.955	1.5	35.0	True
13C12-PCB 118		0.986	0.986	0.990	0.993	1.008	0.964	0.988	1.4	35.0	True
13C12-PCB 114		0.964	0.965	0.961	0.971	0.972	0.992	0.971	1.1	35.0	True
13C12-PCB 105		0.932	0.931	0.949	0.940	0.949	0.947	0.941	0.9	35.0	True
13C12-PCB 127		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.0	35.0	True
13C12-PCB 126		0.965	0.975	0.988	0.980	0.974	0.984	0.978	0.8	35.0	True
PCB 104 (BZ)	L	1.182	1.147	1.085	1.107	1.128	1.248	1.149	5.1	20.0	True
PCB 96 (BZ)		0.982	0.989	0.990	0.997	1.015	1.106	1.014	4.6	35.0	True
PCB 103 (BZ)		0.943	0.850	0.830	0.825	0.843	0.909	0.866	5.5	35.0	True
PCB 94 (BZ)		0.671	0.646	0.701	0.704	0.726	0.769	0.703	6.1	35.0	True
PCB 95 (BZ)		0.878	0.822	0.812	0.828	0.862	0.951	0.859	6.0	35.0	True
PCB 100 (BZ)		0.878	0.822	0.812	0.828	0.862	0.951	0.859	6.0	35.0	True
PCB 93 (BZ)		0.676	0.622	0.682	0.683	0.744	0.801	0.701	8.9	35.0	True
PCB 102 (BZ)		0.856	0.776	0.752	0.803	0.817	0.929	0.822	7.7	35.0	True
PCB 98 (BZ)		0.856	0.776	0.752	0.803	0.817	0.929	0.822	7.7	35.0	True
PCB 88 (BZ)		0.757	0.671	0.673	0.700	0.728	0.809	0.723	7.4	35.0	True
PCB 91 (BZ)		0.800	0.828	0.828	0.839	0.887	1.000	0.864	8.4	35.0	True
PCB 84 (BZ)		0.743	0.629	0.653	0.645	0.667	0.740	0.679	7.3	35.0	True
PCB 89 (BZ)		0.756	0.675	0.694	0.709	0.708	0.761	0.717	4.8	35.0	True
PCB 121 (BZ)		1.021	1.011	1.123	1.093	1.114	1.268	1.105	8.4	35.0	True
PCB 92 (BZ)		0.726	0.755	0.743	0.769	0.788	0.852	0.772	5.8	35.0	True
PCB 113 (BZ)		0.988	0.923	0.905	0.932	0.957	1.234	0.990	12.5	35.0	True
PCB 90 (BZ)		0.988	0.923	0.905	0.932	0.957	1.234	0.990	12.5	35.0	True
PCB 101 (BZ)		0.988	0.923	0.905	0.932	0.957	1.234	0.990	12.5	35.0	True
PCB 83 (BZ)		0.709	0.725	0.770	0.769	0.784	0.903	0.777	8.8	35.0	True
PCB 99 (BZ)		0.709	0.725	0.770	0.769	0.784	0.903	0.777	8.8	35.0	True
PCB 112 (BZ)		1.009	1.126	1.013	1.044	1.079	1.203	1.079	6.9	35.0	True
PCB 109 (BZ)/108 (IUPAC)		0.931	0.904	0.885	0.923	0.966	1.192	0.967	11.7	35.0	True
PCB 86 (BZ)		0.931	0.904	0.885	0.923	0.966	1.192	0.967	11.7	35.0	True
PCB 119 (BZ)		0.931	0.904	0.885	0.923	0.966	1.192	0.967	11.7	35.0	True
PCB 97 (BZ)		0.931	0.904	0.885	0.923	0.966	1.192	0.967	11.7	35.0	True
PCB 125 (BZ)		0.931	0.904	0.885	0.923	0.966	1.192	0.967	11.7	35.0	True
PCB 87 (BZ)		0.931	0.904	0.885	0.923	0.966	1.192	0.967	11.7	35.0	True
PCB 117 (BZ)		0.981	0.925	0.918	0.943	0.974	1.135	0.979	8.2	35.0	True
PCB 116 (BZ)		0.981	0.925	0.918	0.943	0.974	1.135	0.979	8.2	35.0	True
PCB 85 (BZ)		0.981	0.925	0.918	0.943	0.974	1.135	0.979	8.2	35.0	True
PCB 110 (BZ)		1.129	1.022	1.043	1.086	1.120	1.432	1.139	13.1	35.0	True
PCB 115 (BZ)		1.129	1.022	1.043	1.086	1.120	1.432	1.139	13.1	35.0	True
PCB 82 (BZ)		0.620	0.550	0.592	0.600	0.613	0.654	0.605	5.7	35.0	True
PCB 111 (BZ)		1.171	1.074	1.072	1.082	1.136	1.237	1.129	5.9	35.0	True
PCB 120 (BZ)		1.091	1.138	1.157	1.163	1.219	1.385	1.192	8.6	35.0	True
PCB 124 (BZ)		1.080	1.036	1.050	1.051	1.081	1.442	1.123	14.0	35.0	True
PCB 108 (BZ)/107 (IUPAC)		1.080	1.036	1.050	1.051	1.081	1.442	1.123	14.0	35.0	True
PCB 107 (BZ)/109 (IUPAC)		1.177	0.984	0.981	1.042	1.045	1.216	1.074	9.2	35.0	True
PCB 123 (BZ)	T	1.178	1.081	1.073	1.067	1.127	1.290	1.136	7.6	20.0	True
PCB 106 (BZ)		0.995	0.966	1.038	1.057	1.022	1.199	1.046	7.8	35.0	True

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Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

		Response Factor									
Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	Mean RF	%RSD	Limit	Valid?
PCB 118 (BZ)	T	1.115	1.011	1.049	1.072	1.060	1.255	1.094	7.9	20.0	True
PCB 122 (BZ)		1.068	1.015	1.035	1.015	0.986	1.166	1.047	6.1	35.0	True
PCB 114 (BZ)	T	1.270	1.178	1.098	1.135	1.164	1.331	1.196	7.3	20.0	True
PCB 105 (BZ)	T	1.204	1.218	1.163	1.192	1.186	1.346	1.218	5.4	20.0	True
PCB 127 (BZ)		1.122	1.061	1.125	1.099	1.114	1.262	1.130	6.0	35.0	True
PCB 126 (BZ)	T	1.111	1.123	1.036	1.077	1.077	1.242	1.111	6.4	20.0	True
13C12-PCB 155		1.213	1.227	1.197	1.182	1.139	1.109	1.178	3.9	35.0	True
13C12-PCB 153				0.846	0.811	0.844		0.833	2.4	35.0	True
13C12-PCB 138		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.0	35.0	True
13C12-PCB 167		1.212	1.239	1.243	1.259	1.251	1.217	1.237	1.5	35.0	True
13C12-PCB 156		1.213	1.224	1.234	1.249	1.236	1.217	1.229	1.1	35.0	True
13C12-PCB 157								0.000	0.0	35.0	True
13C12-PCB 169		1.154	1.185	1.188	1.204	1.204	1.190	1.188	1.5	35.0	True
PCB 155 (BZ)	L	1.139	1.157	1.057	1.088	1.083	1.179	1.117	4.3	20.0	True
PCB 152 (BZ)		0.990	0.953	0.980	1.025	1.036	1.156	1.023	7.0	35.0	True
PCB 150 (BZ)		1.003	1.057	0.983	0.999	1.038	1.114	1.032	4.7	35.0	True
PCB 136 (BZ)		0.896	0.969	0.913	0.961	0.980	1.081	0.967	6.7	35.0	True
PCB 145 (BZ)		1.023	1.106	0.949	0.983	0.990	1.073	1.021	5.8	35.0	True
PCB 148 (BZ)		0.787	0.715	0.716	0.731	0.745	0.799	0.749	4.8	35.0	True
PCB 151 (BZ)		0.830	0.764	0.730	0.749	0.773	0.837	0.781	5.6	35.0	True
PCB 135 (BZ)		0.830	0.764	0.730	0.749	0.773	0.837	0.781	5.6	35.0	True
PCB 154 (BZ)		0.830	0.764	0.730	0.749	0.773	0.837	0.781	5.6	35.0	True
PCB 144 (BZ)		0.728	0.766	0.761	0.741	0.755	0.800	0.759	3.3	35.0	True
PCB 147 (BZ)		0.911	0.839	0.785	0.856	0.840	0.940	0.862	6.5	35.0	True
PCB 149 (BZ)		0.911	0.839	0.785	0.856	0.840	0.940	0.862	6.5	35.0	True
PCB 134 (BZ)		0.744	0.700	0.682	0.690	0.698	0.754	0.711	4.2	35.0	True
PCB 143 (BZ)		0.744	0.700	0.682	0.690	0.698	0.754	0.711	4.2	35.0	True
PCB 139 (BZ)		0.885	0.849	0.802	0.814	0.829	0.956	0.856	6.7	35.0	True
PCB 140 (BZ)		0.885	0.849	0.802	0.814	0.829	0.956	0.856	6.7	35.0	True
PCB 131 (BZ)		0.808	0.720	0.651	0.654	0.692	0.755	0.713	8.5	35.0	True
PCB 142 (BZ)		0.786	0.759	0.687	0.706	0.703	0.769	0.735	5.6	35.0	True
PCB 132 (BZ)		0.732	0.736	0.683	0.683	0.693	0.734	0.710	3.7	35.0	True
PCB 133 (BZ)		0.684	0.788	0.748	0.767	0.768	0.855	0.768	7.2	35.0	True
PCB 165 (BZ)		0.967	0.934	0.998	0.971	0.982	1.104	0.993	5.9	35.0	True
PCB 146 (BZ)		0.901	0.865	0.834	0.856	0.838	0.948	0.874	5.0	35.0	True
PCB 161 (BZ)		1.033	1.088	1.012	1.058	1.107	1.240	1.090	7.5	35.0	True
PCB 153 (BZ)		1.045	1.038	0.995	1.032	1.057	1.243	1.068	8.2	35.0	True
PCB 168 (BZ)		1.045	1.038	0.995	1.032	1.057	1.243	1.068	8.2	35.0	True
PCB 141 (BZ)		0.743	0.727	0.756	0.754	0.747	0.806	0.756	3.5	35.0	True
PCB 130 (BZ)		0.804	0.668	0.667	0.687	0.687	0.737	0.708	7.5	35.0	True
PCB 137 (BZ)		0.888	0.740	0.803	0.825	0.834	0.921	0.835	7.6	35.0	True
PCB 164 (BZ)		1.065	1.053	0.986	0.984	1.006	1.105	1.033	4.7	35.0	True
PCB 138 (BZ)		0.904	0.921	0.855	0.879	0.896	1.076	0.922	8.5	35.0	True
PCB 163 (BZ)		0.904	0.921	0.855	0.879	0.896	1.076	0.922	8.5	35.0	True
PCB 129 (BZ)		0.904	0.921	0.855	0.879	0.896	1.076	0.922	8.5	35.0	True
PCB 160 (BZ)		0.904	0.921	0.855	0.879	0.896	1.076	0.922	8.5	35.0	True
PCB 158 (BZ)		1.231	1.177	1.136	1.146	1.173	1.284	1.191	4.7	35.0	True
PCB 166 (BZ)		1.175	1.111	1.030	1.046	1.056	1.196	1.102	6.4	35.0	True
PCB 128 (BZ)		0.772	0.789	0.733	0.729	0.757	0.833	0.769	5.0	35.0	True

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IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

Response Factor

Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	Mean RF	%RSD	Limit	Valid?
PCB 159 (BZ)		1.052	1.033	1.064	1.062	1.066	1.198	1.079	5.5	35.0	True
PCB 162 (BZ)		1.089	1.063	1.049	1.046	1.059	1.167	1.079	4.3	35.0	True
PCB 167 (BZ)	T	1.191	1.108	1.110	1.109	1.127	1.256	1.150	5.3	20.0	True
PCB 156 (BZ)	T	1.176	1.113	1.098	1.130	1.125	1.261	1.151	5.2	20.0	True
PCB 157 (BZ)	T	1.176	1.113	1.098	1.130	1.125	1.261	1.151	5.2	20.0	True
PCB 169 (BZ)	T	1.468	1.371	1.262	1.279	1.264	1.379	1.337	6.2	20.0	True
13C12-PCB 188		1.216	1.218	1.248	1.248	1.251	1.247	1.238	1.3	35.0	True
13C12-PCB 178				0.970	0.801	0.819		0.863	10.8	35.0	True
13C12-PCB 180		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.0	35.0	True
13C12-PCB 170		0.817	0.825	0.836	0.842	0.801	0.760	0.813	3.7	35.0	True
13C12-PCB 189		1.577	1.605	1.585	1.623	1.683	1.650	1.620	2.5	35.0	True
PCB 188 (BZ)	L	1.116	1.053	1.034	1.044	1.049	1.128	1.071	3.8	20.0	True
PCB 179 (BZ)		1.166	1.202	1.170	1.168	1.193	1.300	1.200	4.3	35.0	True
PCB 184 (BZ)		1.161	1.148	1.130	1.138	1.183	1.311	1.178	5.7	35.0	True
PCB 176 (BZ)		1.210	1.200	1.255	1.226	1.265	1.355	1.252	4.5	35.0	True
PCB 186 (BZ)		1.371	1.143	1.129	1.190	1.180	1.273	1.214	7.5	35.0	True
PCB 178 (BZ)		0.942	0.889	0.834	0.845	0.883	0.942	0.889	5.2	35.0	True
PCB 175 (BZ)		0.923	0.927	0.908	0.903	0.911	0.948	0.920	1.8	35.0	True
PCB 187 (BZ)		1.046	0.995	0.945	0.976	1.000	1.091	1.009	5.2	35.0	True
PCB 182 (BZ)		0.953	0.962	0.943	0.960	0.978	1.035	0.972	3.4	35.0	True
PCB 183 (BZ)		0.894	0.956	0.906	0.957	0.957	1.007	0.946	4.3	35.0	True
PCB 185 (BZ)		0.924	0.956	0.897	0.899	0.898	0.940	0.919	2.7	35.0	True
PCB 174 (BZ)		0.913	0.945	0.883	0.900	0.916	0.987	0.924	4.0	35.0	True
PCB 177 (BZ)		0.881	0.848	0.875	0.884	0.873	0.915	0.880	2.5	35.0	True
PCB 181 (BZ)		1.111	0.857	0.925	0.945	0.964	1.046	0.975	9.3	35.0	True
PCB 171 (BZ)		0.849	0.771	0.792	0.829	0.828	0.941	0.835	7.1	35.0	True
PCB 173 (BZ)		0.849	0.771	0.792	0.829	0.828	0.941	0.835	7.1	35.0	True
PCB 172 (BZ)		0.851	0.813	0.840	0.817	0.825	0.883	0.838	3.1	35.0	True
PCB 192 (BZ)		1.207	1.160	1.109	1.109	1.109	1.190	1.147	3.9	35.0	True
PCB 193 (BZ)		1.219	1.113	1.054	1.100	1.099	1.219	1.134	6.1	35.0	True
PCB 180 (BZ)		1.219	1.113	1.054	1.100	1.099	1.219	1.134	6.1	35.0	True
PCB 191 (BZ)		1.191	1.187	1.229	1.229	1.225	1.306	1.228	3.5	35.0	True
PCB 170 (BZ)		1.021	1.118	1.039	1.002	1.059	1.106	1.058	4.4	20.0	True
PCB 190 (BZ)		1.189	1.226	1.263	1.254	1.263	1.326	1.254	3.6	35.0	True
PCB 189 (BZ)	T	1.028	1.051	1.071	1.106	1.097	1.231	1.097	6.5	20.0	True
13C12-PCB 202		0.987	0.970	1.014	1.015	0.990	0.988	0.994	1.7	35.0	True
13C12-PCB 194		1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.0	35.0	True
13C12-PCB 205		1.364	1.417	1.405	1.409	1.425	1.420	1.407	1.6	35.0	True
PCB 202 (BZ)	L	1.111	0.961	0.927	0.962	0.968	1.028	0.993	6.7	20.0	True
PCB 200 (BZ)/201 (IUPAC)		1.149	1.115	1.031	1.059	1.059	1.109	1.087	4.1	35.0	True
PCB 204 (BZ)		1.088	1.087	0.974	0.987	0.999	1.065	1.033	5.1	35.0	True
PCB 197 (BZ)		1.108	1.086	1.033	1.022	1.038	1.081	1.061	3.3	35.0	True
PCB 199 (BZ)/200 (IUPAC)		0.970	1.100	1.017	1.012	1.022	1.065	1.031	4.4	35.0	True
PCB 198 (BZ)		0.830	0.759	0.711	0.722	0.748	0.796	0.761	5.9	35.0	True
PCB 201 (BZ)/199 (IUPAC)		0.830	0.759	0.711	0.722	0.748	0.796	0.761	5.9	35.0	True
PCB 196 (BZ)		0.777	0.810	0.714	0.745	0.736	0.731	0.752	4.7	35.0	True
PCB 203 (BZ)		0.995	0.882	0.807	0.810	0.819	0.823	0.856	8.6	35.0	True
PCB 195 (BZ)		0.678	0.724	0.687	0.723	0.737	0.786	0.723	5.4	35.0	True
PCB 194 (BZ)		0.792	0.841	0.780	0.774	0.768	0.815	0.795	3.5	35.0	True

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IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

		Response Factor									
Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	Mean RF	%RSD	Limit	Valid?
PCB 205 (BZ)	L	0.988	0.972	0.978	0.959	0.966	1.044	0.984	3.1	20.0	True
13C12-PCB 208		1.138	1.152	1.131	1.171	1.193	1.181	1.161	2.1	35.0	True
13C12-PCB 206		0.804	0.818	0.817	0.828	0.828	0.841	0.823	1.5	35.0	True
PCB 208 (BZ)	L	1.015	1.027	1.026	0.985	1.009	1.096	1.026	3.6	20.0	True
PCB 207 (BZ)		1.311	1.175	1.294	1.214	1.237	1.352	1.264	5.2	35.0	True
PCB 206 (BZ)	L	1.179	1.057	1.101	1.058	1.073	1.117	1.097	4.2	20.0	True
13C12-PCB 209		0.909	0.905	0.907	0.943	0.951	0.964	0.930	2.8	35.0	True
PCB 209 (BZ)	L	0.995	0.989	0.978	1.000	1.004	1.068	1.006	3.2	20.0	True

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Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

Ion Abundance Ratios

Analyte	T/L	M/Z's	CS0.5	CS1	CS2	CS3	CS4	CS5	Limits	Valid?
13C12-PCB 1		M/M+2	3.20	3.18	3.14	3.18	3.19	3.25	2.66-3.60	True
13C12-PCB 3		M/M+2	3.24	3.23	3.26	3.26	3.19	3.25	2.66-3.60	True
PCB 1 (BZ)	L	M/M+2	3.08	3.47	3.24	3.23	3.25	3.14	2.66-3.60	True
PCB 2 (BZ)		M/M+2	2.95	3.13	3.25	3.24	3.26	3.56	2.66-3.60	True
PCB 3 (BZ)	L	M/M+2	3.16	2.79	3.27	3.19	3.29	3.58	2.66-3.60	True
13C12-PCB 4		M/M+2	1.59	1.61	1.58	1.60	1.62	1.60	1.33-1.79	True
13C12-PCB 9		M/M+2	1.61	1.60	1.59	1.62	1.62	1.61	1.33-1.79	True
13C12-PCB 8		M/M+2			1.76	1.61	1.60		1.33-1.79	True
13C12-PCB 15		M/M+2	1.62	1.60	1.57	1.61	1.61	1.61	1.33-1.79	True
PCB 4 (BZ)	L	M/M+2	1.46	1.48	1.60	1.57	1.60	1.64	1.33-1.79	True
PCB 10 (BZ)		M/M+2	1.44	1.59	1.54	1.58	1.59	1.68	1.33-1.79	True
PCB 9 (BZ)		M/M+2	1.66	1.50	1.60	1.59	1.59	1.69	1.33-1.79	True
PCB 7 (BZ)		M/M+2	1.68	1.46	1.52	1.58	1.60	1.69	1.33-1.79	True
PCB 6 (BZ)		M/M+2	1.73	1.68	1.57	1.60	1.58	1.68	1.33-1.79	True
PCB 5 (BZ)		M/M+2	1.67	1.55	1.52	1.62	1.59	1.67	1.33-1.79	True
PCB 8 (BZ)		M/M+2	1.43	1.50	1.54	1.57	1.59	1.68	1.33-1.79	True
PCB 14 (BZ)		M/M+2	1.50	1.49	1.51	1.59	1.59	1.69	1.33-1.79	True
PCB 11 (BZ)		M/M+2	1.59	1.69	1.51	1.58	1.59	1.67	1.33-1.79	True
PCB 13 (BZ)		M/M+2	1.43	1.44	1.58	1.58	1.58	1.74	1.33-1.79	True
PCB 12 (BZ)		M/M+2	1.43	1.44	1.58	1.58	1.58	1.74	1.33-1.79	True
PCB 15 (BZ)	L	M/M+2	1.63	1.67	1.52	1.57	1.59	1.67	1.33-1.79	True
13C12-PCB 19		M/M+2	1.06	1.05	1.07	1.08	1.08	1.09	0.88-1.20	True
13C12-PCB 32		M/M+2	1.06	1.07	1.08	1.08	1.08	1.08	0.88-1.20	True
13C12-PCB 31		M/M+2	1.06	1.08	1.06	1.05	1.07	1.07	0.88-1.20	True
13C12-PCB 28		M/M+2			1.18	1.04	1.05		0.88-1.20	True
13C12-PCB 37		M/M+2	1.05	1.07	1.06	1.05	1.07	1.09	0.88-1.20	True
PCB 19 (BZ)	L	M/M+2	1.17	1.10	1.08	1.05	1.05	1.05	0.88-1.20	True
PCB 30 (BZ)		M/M+2	1.08	1.15	1.03	1.05	1.06	1.05	0.88-1.20	True
PCB 18 (BZ)		M/M+2	0.96	0.88	1.07	1.06	1.07	1.04	0.88-1.20	True
PCB 17 (BZ)		M/M+2	0.92	0.99	1.11	1.07	1.05	1.05	0.88-1.20	True
PCB 27 (BZ)		M/M+2	1.06	1.12	1.10	1.08	1.06	1.06	0.88-1.20	True
PCB 24 (BZ)		M/M+2	0.93	1.04	1.04	1.05	1.07	1.04	0.88-1.20	True
PCB 16 (BZ)		M/M+2	**1.30**	1.06	1.10	1.07	1.07	1.05	0.88-1.20	**Warning**
PCB 32 (BZ)		M/M+2	1.16	1.10	1.04	1.06	1.06	1.05	0.88-1.20	True
PCB 34 (BZ)		M/M+2	1.10	1.14	1.06	1.08	1.08	1.07	0.88-1.20	True
PCB 23 (BZ)		M/M+2	0.95	1.13	1.09	1.06	1.06	1.06	0.88-1.20	True
PCB 29 (BZ)		M/M+2	1.06	1.07	1.05	1.08	1.06	1.04	0.88-1.20	True
PCB 26 (BZ)		M/M+2	1.06	1.07	1.05	1.08	1.06	1.04	0.88-1.20	True
PCB 25 (BZ)		M/M+2	1.02	0.94	1.01	1.07	1.06	1.07	0.88-1.20	True
PCB 31 (BZ)		M/M+2	1.09	1.02	1.04	1.08	1.07	1.07	0.88-1.20	True
PCB 28 (BZ)		M/M+2	1.05	1.06	1.06	1.07	1.08	1.07	0.88-1.20	True
PCB 20 (BZ)		M/M+2	1.05	1.06	1.06	1.07	1.08	1.07	0.88-1.20	True
PCB 21 (BZ)		M/M+2	1.16	1.15	1.00	1.07	1.05	1.08	0.88-1.20	True
PCB 33 (BZ)		M/M+2	1.16	1.15	1.00	1.07	1.05	1.08	0.88-1.20	True
PCB 22 (BZ)		M/M+2	1.13	1.07	1.07	1.06	1.11	1.07	0.88-1.20	True
PCB 36 (BZ)		M/M+2	1.04	1.01	1.05	1.06	1.07	1.08	0.88-1.20	True
PCB 39 (BZ)		M/M+2	1.10	1.07	1.10	1.07	1.06	1.07	0.88-1.20	True
PCB 38 (BZ)		M/M+2	1.07	1.17	1.01	1.08	1.08	1.09	0.88-1.20	True
PCB 35 (BZ)		M/M+2	1.09	0.96	1.04	1.07	1.07	1.08	0.88-1.20	True

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IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time		Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07	17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07	18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07	21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07	22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07	23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07	00:23	2990:71CS5	/20070313i/a070313i5.d

Ion Abundance Ratios

Analyte	T/L	M/Z's	CS0.5	CS1	CS2	CS3	CS4	CS5	Limits	Valid?
PCB 37 (BZ)	L	M/M+2	1.17	1.03	1.07	1.07	1.06	1.08	0.88-1.20	True
13C12-PCB 54		M/M+2	0.80	0.80	0.80	0.81	0.83	0.81	0.65-0.89	True
13C12-PCB 52		M/M+2	0.80	0.80	0.79	0.79	0.79	0.80	0.65-0.89	True
13C12-PCB 79		M/M+2			0.84	0.80	0.79		0.65-0.89	True
13C12-PCB 81		M/M+2	0.81	0.81	0.80	0.79	0.79	0.81	0.65-0.89	True
13C12-PCB 77		M/M+2	0.80	0.79	0.79	0.80	0.81	0.80	0.65-0.89	True
PCB 54 (BZ)	L	M/M+2	0.81	0.78	0.80	0.78	0.80	0.77	0.65-0.89	True
PCB 50 (BZ)		M/M+2	0.76	0.82	0.78	0.80	0.79	0.75	0.65-0.89	True
PCB 53 (BZ)		M/M+2	0.76	0.82	0.78	0.80	0.79	0.75	0.65-0.89	True
PCB 45 (BZ)		M/M+2	0.77	0.82	0.79	0.79	0.79	0.75	0.65-0.89	True
PCB 51 (BZ)		M/M+2	0.77	0.82	0.79	0.79	0.79	0.75	0.65-0.89	True
PCB 46 (BZ)		M/M+2	0.82	0.74	0.74	0.79	0.79	0.77	0.65-0.89	True
PCB 52 (BZ)		M/M+2	0.77	0.83	0.81	0.80	0.79	0.76	0.65-0.89	True
PCB 73 (BZ)		M/M+2	0.75	0.81	0.80	0.78	0.79	0.77	0.65-0.89	True
PCB 43 (BZ)		M/M+2	0.75	0.81	0.80	0.78	0.79	0.77	0.65-0.89	True
PCB 69 (BZ)		M/M+2	0.70	**0.64**	0.79	0.79	0.80	0.74	0.65-0.89	**Warning**
PCB 49 (BZ)		M/M+2	**1.14**	**0.93**	0.77	0.78	0.80	0.76	0.65-0.89	**Warning**
PCB 48 (BZ)		M/M+2	0.81	0.70	0.79	0.77	0.79	0.76	0.65-0.89	True
PCB 65 (BZ)		M/M+2	0.82	0.80	0.78	0.79	0.78	0.72	0.65-0.89	True
PCB 47 (BZ)		M/M+2	0.82	0.80	0.78	0.79	0.78	0.72	0.65-0.89	True
PCB 44 (BZ)		M/M+2	0.82	0.80	0.78	0.79	0.78	0.72	0.65-0.89	True
PCB 62 (BZ)		M/M+2	0.75	0.77	0.79	0.78	0.78	0.72	0.65-0.89	True
PCB 75 (BZ)		M/M+2	0.75	0.77	0.79	0.78	0.78	0.72	0.65-0.89	True
PCB 59 (BZ)		M/M+2	0.75	0.77	0.79	0.78	0.78	0.72	0.65-0.89	True
PCB 42 (BZ)		M/M+2	0.83	0.81	0.75	0.77	0.80	0.76	0.65-0.89	True
PCB 41 (BZ)		M/M+2	0.80	**0.91**	0.78	0.78	0.78	0.76	0.65-0.89	**Warning**
PCB 71 (BZ)		M/M+2	0.86	0.84	0.79	0.79	0.79	0.74	0.65-0.89	True
PCB 40 (BZ)		M/M+2	0.86	0.84	0.79	0.79	0.79	0.74	0.65-0.89	True
PCB 64 (BZ)		M/M+2	0.71	0.79	0.82	0.80	0.78	0.75	0.65-0.89	True
PCB 72 (BZ)		M/M+2	0.68	0.86	0.78	0.80	0.78	0.75	0.65-0.89	True
PCB 68 (BZ)		M/M+2	0.70	0.69	0.81	0.78	0.79	0.75	0.65-0.89	True
PCB 57 (BZ)		M/M+2	0.85	0.72	0.79	0.79	0.77	0.75	0.65-0.89	True
PCB 58 (BZ)		M/M+2	0.77	0.78	0.82	0.79	0.79	0.76	0.65-0.89	True
PCB 67 (BZ)		M/M+2	**0.91**	0.83	0.78	0.77	0.78	0.74	0.65-0.89	**Warning**
PCB 63 (BZ)		M/M+2	0.75	0.78	0.80	0.79	0.79	0.75	0.65-0.89	True
PCB 61 (BZ)		M/M+2	0.70	0.87	0.78	0.78	0.78	0.75	0.65-0.89	True
PCB 70 (BZ)		M/M+2	0.81	0.80	0.79	0.79	0.78	0.83	0.65-0.89	True
PCB 76 (BZ)		M/M+2	0.81	0.80	0.79	0.79	0.78	0.83	0.65-0.89	True
PCB 74 (BZ)		M/M+2	0.81	0.80	0.79	0.79	0.78	0.83	0.65-0.89	True
PCB 66 (BZ)		M/M+2	**0.95**	0.79	0.82	0.78	0.79	0.75	0.65-0.89	**Warning**
PCB 55 (BZ)		M/M+2	0.82	0.77	0.82	0.77	0.79	0.75	0.65-0.89	True
PCB 56 (BZ)		M/M+2	0.83	0.82	0.76	0.79	0.80	0.75	0.65-0.89	True
PCB 60 (BZ)		M/M+2	0.89	0.83	0.80	0.79	0.78	0.75	0.65-0.89	True
PCB 80 (BZ)		M/M+2	0.77	0.87	0.78	0.81	0.79	0.75	0.65-0.89	True
PCB 79 (BZ)		M/M+2	0.76	0.76	0.82	0.79	0.79	0.75	0.65-0.89	True
PCB 78 (BZ)		M/M+2	**0.92**	0.78	0.81	0.81	0.78	0.75	0.65-0.89	**Warning**
PCB 81 (BZ)	T	M/M+2	0.83	0.77	0.79	0.80	0.80	0.77	0.65-0.89	True
PCB 77 (BZ)	T	M/M+2	0.72	0.73	0.79	0.76	0.78	0.74	0.65-0.89	True
13C12-PCB 104		M+2/M+4	1.63	1.60	1.61	1.62	1.59	1.62	1.32-1.78	True

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IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

Ion Abundance Ratios

Analyte	T/L	M/Z's	CS0.5	CS1	CS2	CS3	CS4	CS5	Limits	Valid?
13C12-PCB 95		M+2/M+4			1.60	1.61	1.59		1.32-1.78	True
13C12-PCB 101		M+2/M+4	1.61	1.61	1.60	1.58	1.64	1.61	1.32-1.78	True
13C12-PCB 111		M+2/M+4			1.52	1.61	1.60		1.32-1.78	True
13C12-PCB 123		M+2/M+4	1.60	1.60	1.61	1.61	1.59	1.59	1.32-1.78	True
13C12-PCB 118		M+2/M+4	1.61	1.60	1.62	1.61	1.61	1.60	1.32-1.78	True
13C12-PCB 114		M+2/M+4	1.60	1.63	1.62	1.61	1.62	1.62	1.32-1.78	True
13C12-PCB 105		M+2/M+4	1.63	1.59	1.59	1.63	1.60	1.62	1.32-1.78	True
13C12-PCB 127		M+2/M+4	1.59	1.59	1.61	1.60	1.62	1.62	1.32-1.78	True
13C12-PCB 126		M+2/M+4	1.57	1.61	1.59	1.59	1.60	1.61	1.32-1.78	True
PCB 104 (BZ)	L	M+2/M+4	1.73	1.49	1.61	1.60	1.58	1.61	1.32-1.78	True
PCB 96 (BZ)		M+2/M+4	1.72	1.58	1.46	1.58	1.59	1.63	1.32-1.78	True
PCB 103 (BZ)		M+2/M+4	1.55	1.37	1.65	1.61	1.56	1.61	1.32-1.78	True
PCB 94 (BZ)		M+2/M+4	1.61	1.34	1.62	1.57	1.58	1.61	1.32-1.78	True
PCB 95 (BZ)		M+2/M+4	1.58	1.56	1.71	1.61	1.57	1.62	1.32-1.78	True
PCB 100 (BZ)		M+2/M+4	1.58	1.56	1.71	1.61	1.57	1.62	1.32-1.78	True
PCB 93 (BZ)		M+2/M+4	1.37	1.72	1.44	1.62	1.69	1.62	1.32-1.78	True
PCB 102 (BZ)		M+2/M+4	1.62	1.45	1.59	1.59	1.52	1.62	1.32-1.78	True
PCB 98 (BZ)		M+2/M+4	1.62	1.45	1.59	1.59	1.52	1.62	1.32-1.78	True
PCB 88 (BZ)		M+2/M+4	**1.28**	**1.23**	1.58	1.58	1.58	1.63	1.32-1.78	**Warning**
PCB 91 (BZ)		M+2/M+4	1.60	1.68	1.50	1.58	1.58	1.64	1.32-1.78	True
PCB 84 (BZ)		M+2/M+4	1.35	1.43	1.37	1.56	1.59	1.62	1.32-1.78	True
PCB 89 (BZ)		M+2/M+4	1.64	1.78	1.41	1.58	1.58	1.60	1.32-1.78	True
PCB 121 (BZ)		M+2/M+4	1.71	1.46	1.62	1.57	1.58	1.62	1.32-1.78	True
PCB 92 (BZ)		M+2/M+4	1.55	1.50	1.54	1.57	1.58	1.61	1.32-1.78	True
PCB 113 (BZ)		M+2/M+4	1.44	1.70	1.62	1.60	1.58	1.71	1.32-1.78	True
PCB 90 (BZ)		M+2/M+4	1.44	1.70	1.62	1.60	1.58	1.71	1.32-1.78	True
PCB 101 (BZ)		M+2/M+4	1.44	1.70	1.62	1.60	1.58	1.71	1.32-1.78	True
PCB 83 (BZ)		M+2/M+4	**1.81**	1.54	1.62	1.55	1.58	1.64	1.32-1.78	**Warning**
PCB 99 (BZ)		M+2/M+4	**1.81**	1.54	1.62	1.55	1.58	1.64	1.32-1.78	**Warning**
PCB 112 (BZ)		M+2/M+4	1.32	1.60	1.57	1.59	1.59	1.62	1.32-1.78	True
PCB 109 (BZ)/108 (IUPAC)		M+2/M+4	1.61	1.53	1.61	1.58	1.59	1.67	1.32-1.78	True
PCB 86 (BZ)		M+2/M+4	1.61	1.53	1.61	1.58	1.59	1.67	1.32-1.78	True
PCB 119 (BZ)		M+2/M+4	1.61	1.53	1.61	1.58	1.59	1.67	1.32-1.78	True
PCB 97 (BZ)		M+2/M+4	1.61	1.53	1.61	1.58	1.59	1.67	1.32-1.78	True
PCB 125 (BZ)		M+2/M+4	1.61	1.53	1.61	1.58	1.59	1.67	1.32-1.78	True
PCB 87 (BZ)		M+2/M+4	1.61	1.53	1.61	1.58	1.59	1.67	1.32-1.78	True
PCB 117 (BZ)		M+2/M+4	1.66	1.67	1.52	1.59	1.58	1.62	1.32-1.78	True
PCB 116 (BZ)		M+2/M+4	1.66	1.67	1.52	1.59	1.58	1.62	1.32-1.78	True
PCB 85 (BZ)		M+2/M+4	1.66	1.67	1.52	1.59	1.58	1.62	1.32-1.78	True
PCB 110 (BZ)		M+2/M+4	1.56	1.68	1.54	1.62	1.59	1.68	1.32-1.78	True
PCB 115 (BZ)		M+2/M+4	1.56	1.68	1.54	1.62	1.59	1.68	1.32-1.78	True
PCB 82 (BZ)		M+2/M+4	1.47	1.43	1.51	1.59	1.57	1.57	1.32-1.78	True
PCB 111 (BZ)		M+2/M+4	1.57	1.57	1.54	1.59	1.57	1.61	1.32-1.78	True
PCB 120 (BZ)		M+2/M+4	**1.81**	1.63	1.59	1.58	1.59	1.61	1.32-1.78	**Warning**
PCB 124 (BZ)		M+2/M+4	**1.80**	1.49	1.61	1.60	1.60	1.78	1.32-1.78	**Warning**
PCB 108 (BZ)/107 (IUPAC)		M+2/M+4	**1.80**	1.49	1.61	1.60	1.60	1.78	1.32-1.78	**Warning**
PCB 107 (BZ)/109 (IUPAC)		M+2/M+4	1.57	1.58	1.60	1.74	1.60	1.69	1.32-1.78	True
PCB 123 (BZ)	T	M+2/M+4	1.78	1.38	1.56	1.49	1.60	1.68	1.32-1.78	True
PCB 106 (BZ)		M+2/M+4	1.45	1.74	1.66	1.62	1.61	1.70	1.32-1.78	True

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IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

Ion Abundance Ratios

Analyte	T/L	M/Z's	CS0.5	CS1	CS2	CS3	CS4	CS5	Limits	Valid?
PCB 118 (BZ)	T	M+2/M+4	1.39	1.61	1.63	1.60	1.59	1.68	1.32-1.78	True
PCB 122 (BZ)		M+2/M+4	1.49	1.78	1.65	1.60	1.62	1.69	1.32-1.78	True
PCB 114 (BZ)	T	M+2/M+4	1.35	1.62	1.59	1.59	1.61	1.70	1.32-1.78	True
PCB 105 (BZ)	T	M+2/M+4	1.75	1.65	1.60	1.61	1.62	1.70	1.32-1.78	True
PCB 127 (BZ)		M+2/M+4	1.57	**1.87**	1.67	1.63	1.60	1.68	1.32-1.78	**Warning**
PCB 126 (BZ)	T	M+2/M+4	1.66	1.65	1.52	1.64	1.60	1.70	1.32-1.78	True
13C12-PCB 155		M+2/M+4	1.29	1.28	1.28	1.28	1.29	1.29	1.05-1.43	True
13C12-PCB 153		M+2/M+4			1.27	1.27	1.27		1.05-1.43	True
13C12-PCB 138		M+2/M+4	1.27	1.27	1.29	1.27	1.28	1.28	1.05-1.43	True
13C12-PCB 167		M+2/M+4	1.28	1.27	1.30	1.27	1.28	1.29	1.05-1.43	True
13C12-PCB 156		M+2/M+4	1.25	1.28	1.27	1.27	1.27	1.27	1.05-1.43	True
13C12-PCB 157		M+2/M+4							1.05-1.43	True
13C12-PCB 169		M+2/M+4	1.29	1.28	1.28	1.27	1.28	1.27	1.05-1.43	True
PCB 155 (BZ)	L	M+2/M+4	1.30	1.34	1.28	1.25	1.26	1.28	1.05-1.43	True
PCB 152 (BZ)		M+2/M+4	1.25	1.29	1.27	1.25	1.26	1.28	1.05-1.43	True
PCB 150 (BZ)		M+2/M+4	1.23	1.20	1.26	1.28	1.26	1.28	1.05-1.43	True
PCB 136 (BZ)		M+2/M+4	1.39	1.25	1.23	1.28	1.28	1.29	1.05-1.43	True
PCB 145 (BZ)		M+2/M+4	1.40	1.17	1.26	1.26	1.27	1.27	1.05-1.43	True
PCB 148 (BZ)		M+2/M+4	**1.51**	1.30	1.27	1.28	1.25	1.26	1.05-1.43	**Warning**
PCB 151 (BZ)		M+2/M+4	1.25	1.26	1.29	1.28	1.26	1.27	1.05-1.43	True
PCB 135 (BZ)		M+2/M+4	1.25	1.26	1.29	1.28	1.26	1.27	1.05-1.43	True
PCB 154 (BZ)		M+2/M+4	1.25	1.26	1.29	1.28	1.26	1.27	1.05-1.43	True
PCB 144 (BZ)		M+2/M+4	1.16	**1.44**	1.24	1.28	1.26	1.27	1.05-1.43	**Warning**
PCB 147 (BZ)		M+2/M+4	1.17	1.33	1.27	1.23	1.25	1.28	1.05-1.43	True
PCB 149 (BZ)		M+2/M+4	1.17	1.33	1.27	1.23	1.25	1.28	1.05-1.43	True
PCB 134 (BZ)		M+2/M+4	1.28	1.25	1.27	1.29	1.26	1.26	1.05-1.43	True
PCB 143 (BZ)		M+2/M+4	1.28	1.25	1.27	1.29	1.26	1.26	1.05-1.43	True
PCB 139 (BZ)		M+2/M+4	1.06	1.24	1.22	1.25	1.25	1.27	1.05-1.43	True
PCB 140 (BZ)		M+2/M+4	1.06	1.24	1.22	1.25	1.25	1.27	1.05-1.43	True
PCB 131 (BZ)		M+2/M+4	1.13	1.30	1.28	1.24	1.26	1.25	1.05-1.43	True
PCB 142 (BZ)		M+2/M+4	1.36	1.16	1.37	1.26	1.25	1.25	1.05-1.43	True
PCB 132 (BZ)		M+2/M+4	1.19	1.18	1.25	1.25	1.26	1.25	1.05-1.43	True
PCB 133 (BZ)		M+2/M+4	1.08	1.25	1.29	1.26	1.25	1.26	1.05-1.43	True
PCB 165 (BZ)		M+2/M+4	1.30	1.29	1.22	1.26	1.26	1.26	1.05-1.43	True
PCB 146 (BZ)		M+2/M+4	1.12	**1.52**	1.18	1.26	1.25	1.26	1.05-1.43	**Warning**
PCB 161 (BZ)		M+2/M+4	1.18	1.34	1.41	1.26	1.25	1.27	1.05-1.43	True
PCB 153 (BZ)		M+2/M+4	1.20	1.23	1.22	1.25	1.25	1.27	1.05-1.43	True
PCB 168 (BZ)		M+2/M+4	1.20	1.23	1.22	1.25	1.25	1.27	1.05-1.43	True
PCB 141 (BZ)		M+2/M+4	**1.53**	1.22	1.26	1.23	1.25	1.26	1.05-1.43	**Warning**
PCB 130 (BZ)		M+2/M+4	1.31	1.33	1.25	1.26	1.25	1.25	1.05-1.43	True
PCB 137 (BZ)		M+2/M+4	1.15	1.24	1.27	1.26	1.25	1.26	1.05-1.43	True
PCB 164 (BZ)		M+2/M+4	1.19	1.18	1.27	1.26	1.25	1.25	1.05-1.43	True
PCB 138 (BZ)		M+2/M+4	1.35	1.28	1.25	1.26	1.25	1.27	1.05-1.43	True
PCB 163 (BZ)		M+2/M+4	1.35	1.28	1.25	1.26	1.25	1.27	1.05-1.43	True
PCB 129 (BZ)		M+2/M+4	1.35	1.28	1.25	1.26	1.25	1.27	1.05-1.43	True
PCB 160 (BZ)		M+2/M+4	1.35	1.28	1.25	1.26	1.25	1.27	1.05-1.43	True
PCB 158 (BZ)		M+2/M+4	1.31	1.43	1.23	1.25	1.26	1.26	1.05-1.43	True
PCB 166 (BZ)		M+2/M+4	1.12	1.26	1.27	1.24	1.25	1.26	1.05-1.43	True
PCB 128 (BZ)		M+2/M+4	1.38	**1.00**	1.26	1.27	1.24	1.24	1.05-1.43	**Warning**

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Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

Ion Abundance Ratios

Analyte	T/L	M/Z's	CS0.5	CS1	CS2	CS3	CS4	CS5	Limits	Valid?
PCB 159 (BZ)		M+2/M+4	1.21	1.14	1.26	1.25	1.24	1.25	1.05-1.43	True
PCB 162 (BZ)		M+2/M+4	1.26	1.24	1.21	1.26	1.24	1.25	1.05-1.43	True
PCB 167 (BZ)	T	M+2/M+4	1.25	1.15	1.26	1.26	1.26	1.25	1.05-1.43	True
PCB 156 (BZ)	T	M+2/M+4	1.38	1.28	1.26	1.28	1.26	1.27	1.05-1.43	True
PCB 157 (BZ)	T	M+2/M+4	1.38	1.28	1.26	1.28	1.26	1.27	1.05-1.43	True
PCB 169 (BZ)	T	M+2/M+4	1.07	1.23	1.34	1.32	1.29	1.30	1.05-1.43	True
13C12-PCB 188		M+2/M+4	1.06	1.07	1.03	1.07	1.07	1.06	0.89-1.21	True
13C12-PCB 178		M+2/M+4			1.05	1.05	1.07		0.89-1.21	True
13C12-PCB 180		M+2/M+4	1.09	1.07	1.07	1.09	1.07	1.06	0.89-1.21	True
13C12-PCB 170		M+2/M+4	1.07	1.06	1.06	1.05	1.06	1.08	0.89-1.21	True
13C12-PCB 189		M+2/M+4	1.05	1.06	1.04	1.06	1.05	1.04	0.89-1.21	True
PCB 188 (BZ)	L	M+2/M+4	1.13	1.11	1.02	1.09	1.04	1.04	0.89-1.21	True
PCB 179 (BZ)		M+2/M+4	1.10	0.97	1.05	1.04	1.06	1.04	0.89-1.21	True
PCB 184 (BZ)		M+2/M+4	1.04	1.10	0.99	1.03	1.04	1.05	0.89-1.21	True
PCB 176 (BZ)		M+2/M+4	1.01	1.09	1.11	1.07	1.04	1.04	0.89-1.21	True
PCB 186 (BZ)		M+2/M+4	0.99	1.08	1.09	1.07	1.04	1.04	0.89-1.21	True
PCB 178 (BZ)		M+2/M+4	1.07	1.17	1.03	1.04	1.05	1.04	0.89-1.21	True
PCB 175 (BZ)		M+2/M+4	1.01	0.90	1.09	1.06	1.06	1.04	0.89-1.21	True
PCB 187 (BZ)		M+2/M+4	1.00	0.99	1.02	1.03	1.06	1.05	0.89-1.21	True
PCB 182 (BZ)		M+2/M+4	0.93	1.07	1.08	1.04	1.06	1.04	0.89-1.21	True
PCB 183 (BZ)		M+2/M+4	1.16	1.07	1.11	1.09	1.06	1.04	0.89-1.21	True
PCB 185 (BZ)		M+2/M+4	1.04	1.02	1.07	1.03	1.06	1.04	0.89-1.21	True
PCB 174 (BZ)		M+2/M+4	0.89	1.01	1.08	1.06	1.06	1.05	0.89-1.21	True
PCB 177 (BZ)		M+2/M+4	1.21	0.97	1.04	1.05	1.04	1.04	0.89-1.21	True
PCB 181 (BZ)		M+2/M+4	1.10	0.95	1.08	1.05	1.04	1.05	0.89-1.21	True
PCB 171 (BZ)		M+2/M+4	1.19	0.98	1.08	1.04	1.04	1.03	0.89-1.21	True
PCB 173 (BZ)		M+2/M+4	1.19	0.98	1.08	1.04	1.04	1.03	0.89-1.21	True
PCB 172 (BZ)		M+2/M+4	0.93	0.94	1.09	1.04	1.05	1.04	0.89-1.21	True
PCB 192 (BZ)		M+2/M+4	0.99	1.09	1.04	1.05	1.05	1.04	0.89-1.21	True
PCB 193 (BZ)		M+2/M+4	1.06	1.07	1.03	1.04	1.05	1.03	0.89-1.21	True
PCB 180 (BZ)		M+2/M+4	1.06	1.07	1.03	1.04	1.05	1.03	0.89-1.21	True
PCB 191 (BZ)		M+2/M+4	1.14	0.91	1.07	1.05	1.06	1.04	0.89-1.21	True
PCB 170 (BZ)		M+2/M+4	1.09	1.21	1.12	1.06	1.05	1.04	0.89-1.21	True
PCB 190 (BZ)		M+2/M+4	1.19	1.03	1.01	1.02	1.05	1.04	0.89-1.21	True
PCB 189 (BZ)	T	M+2/M+4	1.04	1.16	1.03	1.06	1.06	1.06	0.89-1.21	True
13C12-PCB 202		M+2/M+4	0.91	0.91	0.90	0.92	0.93	0.92	0.76-1.02	True
13C12-PCB 194		M+2/M+4	0.91	0.91	0.94	0.90	0.91	0.91	0.76-1.02	True
13C12-PCB 205		M+2/M+4	0.91	0.91	0.90	0.89	0.90	0.91	0.76-1.02	True
PCB 202 (BZ)	L	M+2/M+4	0.90	1.01	0.85	0.90	0.90	0.89	0.76-1.02	True
PCB 200 (BZ)/201 (IUPAC)		M+2/M+4	0.86	0.95	0.88	0.89	0.91	0.89	0.76-1.02	True
PCB 204 (BZ)		M+2/M+4	1.02	0.87	0.89	0.90	0.90	0.89	0.76-1.02	True
PCB 197 (BZ)		M+2/M+4	0.88	0.95	0.94	0.90	0.91	0.88	0.76-1.02	True
PCB 199 (BZ)/200 (IUPAC)		M+2/M+4	0.97	0.91	0.89	0.90	0.90	0.88	0.76-1.02	True
PCB 198 (BZ)		M+2/M+4	1.01	0.89	0.87	0.91	0.90	0.89	0.76-1.02	True
PCB 201 (BZ)/199 (IUPAC)		M+2/M+4	1.01	0.89	0.87	0.91	0.90	0.89	0.76-1.02	True
PCB 196 (BZ)		M+2/M+4	**1.12**	0.97	0.84	0.89	0.90	0.89	0.76-1.02	**Warning**
PCB 203 (BZ)		M+2/M+4	0.78	0.99	0.93	0.91	0.90	0.89	0.76-1.02	True
PCB 195 (BZ)		M+2/M+4	0.91	0.85	0.89	0.89	0.90	0.88	0.76-1.02	True
PCB 194 (BZ)		M+2/M+4	0.83	0.99	0.91	0.88	0.89	0.88	0.76-1.02	True

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IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

Ion Abundance Ratios

Analyte	T/L	M/Z's	CS0.5	CS1	CS2	CS3	CS4	CS5	Limits	Valid?
PCB 205 (BZ)	L	M+2/M+4	0.91	1.00	0.86	0.90	0.90	0.88	0.76-1.02	True
13C12-PCB 208		M+2/M+4	0.80	0.80	0.79	0.80	0.81	0.80	0.65-0.89	True
13C12-PCB 206		M+2/M+4	0.80	0.79	0.78	0.79	0.78	0.78	0.65-0.89	True
PCB 208 (BZ)	L	M+2/M+4	0.66	0.70	0.80	0.77	0.79	0.77	0.65-0.89	True
PCB 207 (BZ)		M+2/M+4	0.84	0.70	0.81	0.78	0.78	0.76	0.65-0.89	True
PCB 206 (BZ)	L	M+2/M+4	0.82	0.80	0.78	0.79	0.79	0.77	0.65-0.89	True
13C12-PCB 209		M+2/M+4	0.68	0.70	0.71	0.70	0.70	0.72	0.59-0.79	True
PCB 209 (BZ)	L	M+2/M+4	0.69	0.72	0.69	0.70	0.71	0.69	0.59-0.79	True

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Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

Retention Time

Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	Mean RT
13C12-PCB 1		12:12	12:11	12:13	12:11	12:11	12:10	12:11
13C12-PCB 3		14:25	14:24	14:25	14:24	14:23	14:23	14:24
PCB 1 (BZ)	L	12:13	12:12	12:13	12:12	12:11	12:10	12:12
PCB 2 (BZ)		14:15	14:14	14:15	14:13	14:14	14:13	14:14
PCB 3 (BZ)	L	14:26	14:25	14:26	14:25	14:24	14:24	14:25
13C12-PCB 4		14:42	14:41	14:43	14:41	14:41	14:41	14:42
13C12-PCB 9		16:40	16:38	16:39	16:38	16:38	16:38	16:38
13C12-PCB 8				17:32	17:31	17:31		17:31
13C12-PCB 15		20:40	20:39	20:40	20:39	20:39	20:40	20:40
PCB 4 (BZ)	L	14:43	14:42	14:43	14:42	14:42	14:42	14:42
PCB 10 (BZ)		14:53	14:52	14:53	14:51	14:51	14:51	14:52
PCB 9 (BZ)		16:41	16:39	16:41	16:39	16:39	16:39	16:40
PCB 7 (BZ)		16:50	16:49	16:50	16:49	16:49	16:49	16:49
PCB 6 (BZ)		17:07	17:06	17:07	17:06	17:06	17:05	17:06
PCB 5 (BZ)		17:26	17:25	17:26	17:25	17:25	17:24	17:25
PCB 8 (BZ)		17:33	17:32	17:33	17:32	17:32	17:32	17:32
PCB 14 (BZ)		19:08	19:07	19:08	19:07	19:07	19:07	19:07
PCB 11 (BZ)		20:03	20:02	20:03	20:01	20:01	20:02	20:02
PCB 13 (BZ)		20:22	20:20	20:22	20:20	20:20	20:21	20:21
PCB 12 (BZ)		20:26	20:25	20:27	20:25	20:25	20:26	20:26
PCB 15 (BZ)	L	20:41	20:40	20:41	20:40	20:40	20:41	20:40
13C12-PCB 19		17:53	17:52	17:53	17:52	17:52	17:52	17:52
13C12-PCB 32		21:08	21:07	21:09	21:06	21:06	21:07	21:07
13C12-PCB 31		23:23	23:22	23:24	23:22	23:22	23:24	23:23
13C12-PCB 28				23:41	23:38	23:39		23:39
13C12-PCB 37		27:45	27:44	27:46	27:43	27:44	27:46	27:45
PCB 19 (BZ)	L	17:54	17:52	17:54	17:53	17:53	17:53	17:53
PCB 30 (BZ)		19:37	19:36	19:38	19:36	19:36	19:36	19:36
PCB 18 (BZ)		19:45	19:43	19:45	19:44	19:44	19:44	19:44
PCB 17 (BZ)		20:09	20:09	20:10	20:08	20:07	20:08	20:08
PCB 27 (BZ)		20:24	20:22	20:24	20:22	20:22	20:24	20:23
PCB 24 (BZ)		20:29	20:30	20:31	20:29	20:29	20:30	20:30
PCB 16 (BZ)		20:41	20:40	20:41	20:39	20:39	20:41	20:40
PCB 32 (BZ)		21:10	21:08	21:10	21:09	21:07	21:08	21:09
PCB 34 (BZ)		22:22	22:22	22:23	22:21	22:21	22:22	22:22
PCB 23 (BZ)		22:30	22:29	22:31	22:29	22:29	22:30	22:30
PCB 29 (BZ)		22:56	22:50	22:57	22:55	22:50	22:50	22:53
PCB 26 (BZ)		22:50	22:55	22:51	22:49	22:55	22:56	22:53
PCB 25 (BZ)		23:05	23:04	23:06	23:04	23:04	23:05	23:05
PCB 31 (BZ)		23:24	23:24	23:25	23:24	23:24	23:25	23:24
PCB 28 (BZ)		23:42	23:41	23:42	23:41	23:41	23:41	23:41
PCB 20 (BZ)		23:46	23:46	23:47	23:45	23:45	23:47	23:46
PCB 21 (BZ)		23:54	23:58	23:54	23:57	23:57	23:58	23:56
PCB 33 (BZ)		24:00	24:00	24:01	23:59	24:00	24:01	24:00
PCB 22 (BZ)		24:22	24:22	24:24	24:22	24:22	24:23	24:22
PCB 36 (BZ)		25:52	25:52	25:53	25:51	25:52	25:52	25:52
PCB 39 (BZ)		26:14	26:15	26:16	26:14	26:14	26:16	26:15
PCB 38 (BZ)		26:50	26:50	26:51	26:48	26:49	26:52	26:50
PCB 35 (BZ)		27:21	27:20	27:21	27:20	27:20	27:21	27:20

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Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

		Retention Time						
Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	Mean RT
PCB 37 (BZ)	L	27:46	27:46	27:47	27:46	27:46	27:48	27:46
13C12-PCB 54		21:01	21:00	21:02	21:00	21:00	21:01	21:01
13C12-PCB 52		25:31	25:30	25:32	25:30	25:30	25:31	25:31
13C12-PCB 79				33:27	33:26	33:25		33:26
13C12-PCB 81		34:28	34:28	34:29	34:28	34:28	34:30	34:28
13C12-PCB 77		35:03	35:04	35:04	35:03	35:04	35:06	35:04
PCB 54 (BZ)	L	21:03	21:02	21:03	21:01	21:01	21:02	21:02
PCB 50 (BZ)		23:15	23:14	23:15	23:13	23:14	23:15	23:14
PCB 53 (BZ)		23:09	23:09	23:10	23:08	23:08	23:10	23:09
PCB 45 (BZ)		23:54	23:51	23:54	23:52	23:52	23:54	23:53
PCB 51 (BZ)		23:56	23:55	23:56	23:55	23:55	23:56	23:56
PCB 46 (BZ)		24:13	24:12	24:13	24:11	24:11	24:13	24:12
PCB 52 (BZ)		25:33	25:31	25:34	25:31	25:31	25:33	25:32
PCB 73 (BZ)		25:40	25:39	25:41	25:39	25:39	25:41	25:40
PCB 43 (BZ)		25:49	25:48	25:49	25:47	25:48	25:49	25:48
PCB 69 (BZ)		25:54	25:55	25:56	25:54	25:54	25:56	25:55
PCB 49 (BZ)		26:02	26:01	26:01	26:00	26:00	26:02	26:01
PCB 48 (BZ)		26:18	26:18	26:18	26:17	26:17	26:19	26:18
PCB 65 (BZ)		26:36	26:35	26:36	26:34	26:35	26:36	26:35
PCB 47 (BZ)		26:37	26:36	26:37	26:35	26:36	26:37	26:36
PCB 44 (BZ)		26:33	26:32	26:33	26:32	26:32	26:34	26:33
PCB 62 (BZ)		26:50	26:51	26:51	26:49	26:50	26:52	26:50
PCB 75 (BZ)		26:57	26:56	26:57	26:56	26:56	26:58	26:57
PCB 59 (BZ)		26:53	26:52	26:54	26:52	26:52	26:54	26:53
PCB 42 (BZ)		27:06	27:05	27:07	27:05	27:05	27:06	27:06
PCB 41 (BZ)		27:30	27:29	27:30	27:29	27:29	27:31	27:30
PCB 71 (BZ)		27:35	27:35	27:36	27:34	27:34	27:36	27:35
PCB 40 (BZ)		27:37	27:37	27:37	27:36	27:36	27:38	27:37
PCB 64 (BZ)		27:48	27:48	27:49	27:48	27:48	27:50	27:48
PCB 72 (BZ)		28:34	28:32	28:34	28:32	28:32	28:34	28:33
PCB 68 (BZ)		28:51	28:50	28:51	28:50	28:50	28:51	28:50
PCB 57 (BZ)		29:16	29:16	29:18	29:16	29:16	29:17	29:16
PCB 58 (BZ)		29:33	29:33	29:34	29:32	29:32	29:35	29:33
PCB 67 (BZ)		29:41	29:41	29:41	29:41	29:41	29:43	29:41
PCB 63 (BZ)		29:57	29:56	29:58	29:56	29:56	29:59	29:57
PCB 61 (BZ)		30:11	30:10	30:11	30:10	30:10	30:12	30:11
PCB 70 (BZ)		30:21	30:20	30:21	30:20	30:20	30:22	30:21
PCB 76 (BZ)		30:20	30:19	30:20	30:19	30:19	30:21	30:20
PCB 74 (BZ)		30:23	30:23	30:24	30:22	30:23	30:25	30:23
PCB 66 (BZ)		30:38	30:39	30:40	30:39	30:39	30:41	30:39
PCB 55 (BZ)		30:52	30:50	30:52	30:50	30:50	30:52	30:51
PCB 56 (BZ)		31:23	31:22	31:23	31:22	31:22	31:24	31:23
PCB 60 (BZ)		31:33	31:34	31:35	31:34	31:34	31:36	31:34
PCB 80 (BZ)		31:51	31:50	31:52	31:50	31:50	31:53	31:51
PCB 79 (BZ)		33:26	33:26	33:28	33:27	33:26	33:30	33:27
PCB 78 (BZ)		34:02	34:01	34:03	34:00	34:01	34:04	34:02
PCB 81 (BZ)	T	34:29	34:29	34:30	34:29	34:29	34:31	34:30
PCB 77 (BZ)	T	35:04	35:05	35:06	35:05	35:05	35:07	35:05
13C12-PCB 104		26:27	26:26	26:28	26:26	26:26	26:27	26:27

STL - Knoxville

Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

Retention Time

Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	Mean RT
13C12-PCB 95				29:29	29:27	29:28		29:28
13C12-PCB 101		32:20	32:19	32:20	32:19	32:19	32:21	32:20
13C12-PCB 111				34:58	34:56	34:56		34:57
13C12-PCB 123		36:58	36:58	36:59	36:58	36:58	37:00	36:58
13C12-PCB 118		37:18	37:18	37:18	37:17	37:17	37:19	37:18
13C12-PCB 114		37:49	37:49	37:50	37:50	37:49	37:52	37:50
13C12-PCB 105		38:33	38:33	38:33	38:32	38:32	38:34	38:33
13C12-PCB 127		39:55	39:55	39:55	39:54	39:54	39:57	39:55
13C12-PCB 126		41:36	41:35	41:37	41:36	41:35	41:38	41:36
PCB 104 (BZ)	L	26:29	26:27	26:30	26:27	26:27	26:29	26:28
PCB 96 (BZ)		26:57	26:57	26:57	26:56	26:56	26:58	26:57
PCB 103 (BZ)		28:43	28:44	28:45	28:43	28:44	28:45	28:44
PCB 94 (BZ)		29:00	29:02	29:02	29:00	29:00	29:03	29:01
PCB 95 (BZ)		29:29	00:00	29:36	29:34	29:34	29:36	24:38
PCB 100 (BZ)		29:35	29:29	29:36	29:34	29:34	29:36	29:34
PCB 93 (BZ)		29:42	29:40	29:43	29:41	29:41	29:43	29:42
PCB 102 (BZ)		29:52	29:50	29:50	29:48	29:49	29:51	29:50
PCB 98 (BZ)		29:54	29:53	29:54	29:53	29:53	29:55	29:54
PCB 88 (BZ)		30:13	30:11	30:14	30:12	30:12	30:13	30:12
PCB 91 (BZ)		30:21	30:20	30:21	30:20	30:20	30:22	30:21
PCB 84 (BZ)		30:37	30:38	30:38	30:37	30:37	30:39	30:38
PCB 89 (BZ)		31:05	31:04	31:06	31:04	31:05	31:06	31:05
PCB 121 (BZ)		31:19	31:19	31:19	31:18	31:18	31:20	31:19
PCB 92 (BZ)		31:47	31:46	31:48	31:45	31:45	31:47	31:46
PCB 113 (BZ)		32:20	32:19	32:20	32:19	32:19	32:21	32:20
PCB 90 (BZ)		32:21	32:21	32:22	32:20	32:21	32:23	32:21
PCB 101 (BZ)		32:21	32:21	32:22	32:20	32:21	32:23	32:21
PCB 83 (BZ)		32:50	32:53	32:54	32:53	32:50	32:52	32:52
PCB 99 (BZ)		32:55	32:57	32:58	32:56	32:54	32:56	32:56
PCB 112 (BZ)		33:02	33:02	33:04	33:02	33:02	33:05	33:03
PCB 109 (BZ)/108 (IUPAC)		33:22	33:23	33:24	33:22	33:23	33:26	33:23
PCB 86 (BZ)		33:25	33:25	33:26	33:24	33:25	33:27	33:25
PCB 119 (BZ)		33:26	33:26	33:27	33:25	33:25	33:28	33:26
PCB 97 (BZ)		33:26	33:26	33:27	33:25	33:25	33:28	33:26
PCB 125 (BZ)		33:30	33:30	33:31	33:29	33:29	33:31	33:30
PCB 87 (BZ)		33:33	33:33	33:34	33:32	33:32	33:34	33:33
PCB 117 (BZ)		34:06	34:04	34:05	34:04	34:03	34:06	34:05
PCB 116 (BZ)		34:10	34:09	34:10	34:09	34:09	34:11	34:10
PCB 85 (BZ)		34:10	34:09	34:10	34:09	34:09	34:11	34:10
PCB 110 (BZ)		34:17	34:17	34:18	34:16	34:17	34:19	34:17
PCB 115 (BZ)		34:23	34:23	34:24	34:23	34:22	34:25	34:23
PCB 82 (BZ)		34:45	34:46	34:46	34:45	34:45	34:47	34:46
PCB 111 (BZ)		34:58	34:58	34:59	34:57	34:57	35:00	34:58
PCB 120 (BZ)		35:26	35:26	35:26	35:25	35:25	35:27	35:26
PCB 124 (BZ)		36:39	36:38	36:40	36:38	36:38	36:41	36:39
PCB 108 (BZ)/107 (IUPAC)		36:36	36:36	36:37	36:35	36:36	36:38	36:36
PCB 107 (BZ)/109 (IUPAC)		36:52	36:52	36:53	36:52	36:52	36:55	36:53
PCB 123 (BZ)	T	37:00	37:00	37:01	36:59	36:59	37:02	37:00
PCB 106 (BZ)		37:07	37:07	37:08	37:06	37:06	37:09	37:07

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Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

		Retention Time						
Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	Mean RT
PCB 118 (BZ)	T	37:18	37:19	37:20	37:18	37:19	37:20	37:19
PCB 122 (BZ)		37:43	37:43	37:44	37:42	37:43	37:45	37:43
PCB 114 (BZ)	T	37:52	37:51	37:51	37:51	37:52	37:53	37:52
PCB 105 (BZ)	T	38:34	38:35	38:35	38:33	38:34	38:36	38:34
PCB 127 (BZ)		39:56	39:56	39:57	39:55	39:56	39:58	39:56
PCB 126 (BZ)	T	41:37	41:37	41:38	41:37	41:37	41:40	41:38
13C12-PCB 155		32:00	31:59	32:00	31:59	31:59	32:01	32:00
13C12-PCB 153				39:07	39:05	39:06		39:06
13C12-PCB 138		40:25	40:25	40:25	40:24	40:25	40:27	40:25
13C12-PCB 167		43:21	43:21	43:22	43:21	43:21	43:23	43:22
13C12-PCB 156		44:36	44:36	44:37	44:36	44:36	44:38	44:36
13C12-PCB 157		44:28	44:28	44:29	44:36	44:28	44:30	44:30
13C12-PCB 169		47:46	47:47	47:47	47:46	47:46	47:49	47:47
PCB 155 (BZ)	L	32:00	32:01	32:02	32:00	32:01	32:02	32:01
PCB 152 (BZ)		32:22	32:22	32:22	32:21	32:22	32:24	32:22
PCB 150 (BZ)		32:29	32:28	32:30	32:29	32:28	32:31	32:29
PCB 136 (BZ)		32:57	32:58	32:58	32:56	32:57	32:59	32:58
PCB 145 (BZ)		33:10	33:11	33:12	33:10	33:11	33:12	33:11
PCB 148 (BZ)		34:35	34:35	34:37	34:34	34:34	34:36	34:35
PCB 151 (BZ)		35:13	35:14	35:13	35:12	35:12	35:14	35:13
PCB 135 (BZ)		35:16	35:16	35:17	35:16	35:16	35:18	35:16
PCB 154 (BZ)		35:26	35:28	35:25	35:24	35:25	35:26	35:26
PCB 144 (BZ)		35:48	35:48	35:48	35:47	35:48	35:49	35:48
PCB 147 (BZ)		36:09	36:10	36:11	36:09	36:10	36:13	36:10
PCB 149 (BZ)		36:09	36:09	36:10	36:08	36:08	36:11	36:09
PCB 134 (BZ)		36:20	36:19	36:20	36:19	36:19	36:21	36:20
PCB 143 (BZ)		36:26	36:31	36:31	36:29	36:30	36:32	36:30
PCB 139 (BZ)		36:44	36:45	36:45	36:44	36:44	36:46	36:45
PCB 140 (BZ)		36:44	36:44	36:45	36:43	36:43	36:46	36:44
PCB 131 (BZ)		37:00	37:00	37:02	37:00	37:00	37:02	37:01
PCB 142 (BZ)		37:08	37:07	37:09	37:08	37:08	37:11	37:08
PCB 132 (BZ)		37:32	37:31	37:32	37:31	37:30	37:33	37:32
PCB 133 (BZ)		37:54	37:53	37:54	37:52	37:53	37:54	37:53
PCB 165 (BZ)		38:15	38:16	38:17	38:15	38:16	38:17	38:16
PCB 146 (BZ)		38:31	38:31	38:32	38:30	38:31	38:33	38:31
PCB 161 (BZ)		38:38	38:38	38:38	38:37	38:38	38:40	38:38
PCB 153 (BZ)		39:09	39:09	39:09	39:08	39:09	39:10	39:09
PCB 168 (BZ)		39:10	39:10	39:11	39:09	39:10	39:12	39:10
PCB 141 (BZ)		39:23	39:23	39:24	39:23	39:22	39:24	39:23
PCB 130 (BZ)		39:49	39:48	39:49	39:48	39:48	39:50	39:49
PCB 137 (BZ)		39:59	40:00	40:01	39:58	39:59	40:01	40:00
PCB 164 (BZ)		40:09	40:09	40:09	40:08	40:09	40:11	40:09
PCB 138 (BZ)		40:20	40:20	40:21	40:20	40:20	40:22	40:20
PCB 163 (BZ)		40:21	40:21	40:22	40:21	40:21	40:23	40:22
PCB 129 (BZ)		40:27	40:26	40:27	40:26	40:26	40:29	40:27
PCB 160 (BZ)		00:00	40:32	40:33	40:31	40:32	40:34	33:47
PCB 158 (BZ)		40:48	40:48	40:48	40:48	40:48	40:50	40:48
PCB 166 (BZ)		41:39	41:39	41:39	41:38	41:38	41:41	41:39
PCB 128 (BZ)		41:46	41:46	41:46	41:45	41:46	41:48	41:46

STL - Knoxville

Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

		Retention Time						
Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	Mean RT
PCB 159 (BZ)		42:37	42:37	42:37	42:36	42:36	42:38	42:37
PCB 162 (BZ)		42:54	42:54	42:55	42:54	42:54	42:56	42:54
PCB 167 (BZ)	T	43:22	43:22	43:24	43:22	43:22	43:24	43:23
PCB 156 (BZ)	T	44:33	44:37	44:34	44:37	44:37	44:39	44:36
PCB 157 (BZ)	T	44:30	44:30	00:00	44:29	44:30	44:32	37:05
PCB 169 (BZ)	T	47:47	47:48	47:48	47:47	47:47	47:50	47:48
13C12-PCB 188		37:44	37:43	37:44	37:43	37:43	37:46	37:44
13C12-PCB 178				40:48	40:48	40:48		40:48
13C12-PCB 180		45:52	45:52	45:53	45:52	45:52	45:54	45:52
13C12-PCB 170		47:11	47:12	47:12	47:11	47:11	47:13	47:12
13C12-PCB 189		50:15	50:15	50:15	50:14	50:15	50:16	50:15
PCB 188 (BZ)	L	37:45	37:45	37:46	37:44	37:45	37:47	37:45
PCB 179 (BZ)		38:12	38:12	38:13	38:11	38:12	38:13	38:12
PCB 184 (BZ)		38:36	38:36	38:37	38:35	38:36	38:38	38:36
PCB 176 (BZ)		39:03	39:03	39:04	39:02	39:03	39:05	39:03
PCB 186 (BZ)		39:32	39:31	39:32	39:31	39:31	39:34	39:32
PCB 178 (BZ)		40:49	40:49	40:50	40:49	40:49	40:51	40:50
PCB 175 (BZ)		41:26	41:27	41:27	41:26	41:26	41:28	41:27
PCB 187 (BZ)		41:43	41:43	41:43	41:42	41:43	41:45	41:43
PCB 182 (BZ)		41:55	41:54	41:55	41:54	41:53	41:55	41:54
PCB 183 (BZ)		42:18	42:19	42:19	42:18	42:19	42:20	42:19
PCB 185 (BZ)		42:27	42:28	42:28	42:27	42:27	42:29	42:28
PCB 174 (BZ)		42:38	42:39	42:39	42:38	42:38	42:40	42:39
PCB 177 (BZ)		43:05	43:04	43:05	43:03	43:04	43:06	43:04
PCB 181 (BZ)		43:25	43:25	43:25	43:24	43:24	43:26	43:25
PCB 171 (BZ)		43:41	43:41	43:42	43:40	43:40	43:42	43:41
PCB 173 (BZ)		43:34	43:34	43:35	43:33	43:34	43:36	43:34
PCB 172 (BZ)		45:14	45:15	45:16	45:14	45:15	45:16	45:15
PCB 192 (BZ)		45:31	45:30	45:31	45:30	45:30	45:32	45:31
PCB 193 (BZ)		45:51	45:51	45:52	45:51	45:48	45:53	45:51
PCB 180 (BZ)		45:51	45:51	45:51	45:50	45:52	45:52	45:51
PCB 191 (BZ)		46:14	46:16	46:15	46:14	46:14	46:16	46:15
PCB 170 (BZ)		47:13	47:13	47:13	47:12	47:13	47:15	47:13
PCB 190 (BZ)		47:43	47:42	47:43	47:42	47:42	47:43	47:42
PCB 189 (BZ)	T	50:16	50:16	50:16	50:16	50:17	50:17	50:16
13C12-PCB 202		43:05	43:05	43:06	43:05	43:05	43:07	43:06
13C12-PCB 194		52:19	52:19	52:20	52:19	52:19	52:20	52:19
13C12-PCB 205		52:47	52:47	52:47	52:46	52:47	52:47	52:47
PCB 202 (BZ)	L	43:06	43:08	43:07	43:06	43:06	43:08	43:07
PCB 200 (BZ)/201 (IUPAC)		44:01	44:01	44:02	44:00	44:01	44:02	44:01
PCB 204 (BZ)		44:40	44:38	44:40	44:38	44:39	44:42	44:40
PCB 197 (BZ)		44:54	44:54	44:55	44:53	44:54	44:55	44:54
PCB 199 (BZ)/200 (IUPAC)		45:07	45:06	45:07	45:06	45:06	45:07	45:06
PCB 198 (BZ)		47:47	47:49	47:49	47:49	47:49	47:51	47:49
PCB 201 (BZ)/199 (IUPAC)		47:51	47:49	47:49	47:49	47:49	47:50	47:50
PCB 196 (BZ)		48:29	48:28	48:29	48:28	48:28	48:30	48:29
PCB 203 (BZ)		48:40	48:40	48:41	48:39	48:40	48:41	48:40
PCB 195 (BZ)		50:03	50:03	50:05	50:03	50:03	50:05	50:04
PCB 194 (BZ)		52:22	52:20	52:22	52:20	52:20	52:22	52:21

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Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

		Retention Time						
Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	Mean RT
PCB 205 (BZ)	L	52:48	52:49	52:48	52:48	52:48	52:50	52:48
13C12-PCB 208		49:42	49:43	49:43	49:42	49:43	49:44	49:43
13C12-PCB 206		54:29	54:29	54:30	54:29	54:29	54:31	54:30
PCB 208 (BZ)	L	49:43	49:44	49:45	49:44	49:44	49:45	49:44
PCB 207 (BZ)		50:39	50:39	50:40	50:38	50:39	50:40	50:39
PCB 206 (BZ)	L	54:30	54:32	54:31	54:30	54:31	54:32	54:31
13C12-PCB 209		56:04	56:04	56:05	56:04	56:04	56:05	56:04
PCB 209 (BZ)	L	56:07	56:07	56:07	56:05	56:05	56:07	56:06

STL - Knoxville

Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

		Relative Retention Time						Mean
Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	RRT
13C12-PCB 1		0.7320	0.7325	0.7337	0.7325	0.7325	0.7315	0.7324
13C12-PCB 3		0.8650	0.8657	0.8659	0.8657	0.8647	0.8647	0.8653
PCB 1 (BZ)	L	1.0014	1.0014	1.0000	1.0014	1.0000	1.0000	1.0007
PCB 2 (BZ)		0.9884	0.9884	0.9884	0.9873	0.9896	0.9884	0.9884
PCB 3 (BZ)	L	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012
13C12-PCB 4		0.8820	0.8828	0.8839	0.8828	0.8828	0.8828	0.8828
13C12-PCB 9		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13C12-PCB 8				1.1914	1.1930	1.1930		1.1924
13C12-PCB 15		1.2400	1.2415	1.2412	1.2415	1.2415	1.2425	1.2414
PCB 4 (BZ)	L	1.0011	1.0011	1.0000	1.0011	1.0011	1.0011	1.0009
PCB 10 (BZ)		1.0125	1.0125	1.0113	1.0114	1.0114	1.0114	1.0117
PCB 9 (BZ)		1.1349	1.1339	1.1336	1.1339	1.1339	1.1339	1.1341
PCB 7 (BZ)		1.1451	1.1453	1.1438	1.1453	1.1453	1.1453	1.1450
PCB 6 (BZ)		1.1644	1.1646	1.1631	1.1646	1.1646	1.1635	1.1641
PCB 5 (BZ)		1.1859	1.1862	1.1846	1.1862	1.1862	1.1850	1.1857
PCB 8 (BZ)		1.1939	1.1941	1.1925	1.1941	1.1941	1.1941	1.1938
PCB 14 (BZ)		0.9258	0.9257	0.9258	0.9257	0.9257	0.9250	0.9256
PCB 11 (BZ)		0.9702	0.9701	0.9702	0.9693	0.9693	0.9694	0.9697
PCB 13 (BZ)		0.9855	0.9847	0.9855	0.9847	0.9847	0.9847	0.9849
PCB 12 (BZ)		0.9887	0.9887	0.9895	0.9887	0.9887	0.9887	0.9888
PCB 15 (BZ)	L	1.0008	1.0008	1.0008	1.0008	1.0008	1.0008	1.0008
13C12-PCB 19		0.8462	0.8461	0.8455	0.8468	0.8468	0.8461	0.8462
13C12-PCB 32		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13C12-PCB 31		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13C12-PCB 28				1.0121	1.0114	1.0121		1.0119
13C12-PCB 37		1.1867	1.1869	1.1866	1.1862	1.1869	1.1866	1.1866
PCB 19 (BZ)	L	1.0009	1.0000	1.0009	1.0009	1.0009	1.0009	1.0008
PCB 30 (BZ)		1.0969	1.0970	1.0979	1.0970	1.0970	1.0970	1.0971
PCB 18 (BZ)		1.1044	1.1035	1.1044	1.1045	1.1045	1.1045	1.1043
PCB 17 (BZ)		1.1267	1.1278	1.1277	1.1269	1.1259	1.1269	1.1270
PCB 27 (BZ)		1.1407	1.1399	1.1407	1.1399	1.1399	1.1418	1.1405
PCB 24 (BZ)		1.1454	1.1474	1.1473	1.1465	1.1465	1.1474	1.1467
PCB 16 (BZ)		1.1566	1.1567	1.1566	1.1558	1.1558	1.1576	1.1565
PCB 32 (BZ)		1.1836	1.1828	1.1836	1.1838	1.1819	1.1828	1.1831
PCB 34 (BZ)		1.2507	1.2519	1.2516	1.2509	1.2509	1.2519	1.2513
PCB 23 (BZ)		1.2582	1.2584	1.2591	1.2584	1.2584	1.2593	1.2586
PCB 29 (BZ)		1.2824	1.2780	1.2833	1.2826	1.2780	1.2780	1.2804
PCB 26 (BZ)		1.2768	1.2826	1.2777	1.2771	1.2826	1.2836	1.2801
PCB 25 (BZ)		0.8318	0.8317	0.8319	0.8322	0.8317	0.8313	0.8318
PCB 31 (BZ)		0.8432	0.8438	0.8433	0.8443	0.8438	0.8433	0.8436
PCB 28 (BZ)		0.8541	0.8540	0.8535	0.8545	0.8540	0.8529	0.8538
PCB 20 (BZ)		0.8565	0.8570	0.8565	0.8569	0.8564	0.8565	0.8566
PCB 21 (BZ)		0.8613	0.8642	0.8607	0.8641	0.8636	0.8631	0.8628
PCB 33 (BZ)		0.8649	0.8654	0.8649	0.8653	0.8654	0.8649	0.8651
PCB 22 (BZ)		0.8781	0.8786	0.8788	0.8791	0.8786	0.8782	0.8786
PCB 36 (BZ)		0.9321	0.9327	0.9322	0.9327	0.9327	0.9316	0.9323
PCB 39 (BZ)		0.9453	0.9465	0.9460	0.9465	0.9459	0.9460	0.9460
PCB 38 (BZ)		0.9670	0.9675	0.9670	0.9669	0.9669	0.9676	0.9672
PCB 35 (BZ)		0.9856	0.9856	0.9850	0.9862	0.9856	0.9850	0.9855

STL - Knoxville | **IsoCalc Initial Calibration Report**

Specialty Organics Group | *PCB's by EPA Method 1668A*

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

		Relative Retention Time						Mean
Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	RRT
PCB 37 (BZ)	L	1.0006	1.0012	1.0006	1.0018	1.0012	1.0012	1.0011
13C12-PCB 54		0.8236	0.8235	0.8238	0.8235	0.8235	0.8236	0.8236
13C12-PCB 52		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13C12-PCB 79				0.9700	0.9700	0.9695		0.9699
13C12-PCB 81		1.3508	1.3516	1.3505	1.3516	1.3516	1.3521	1.3514
13C12-PCB 77		1.3736	1.3752	1.3734	1.3745	1.3752	1.3756	1.3746
PCB 54 (BZ)	L	1.0016	1.0016	1.0008	1.0008	1.0008	1.0008	1.0011
PCB 50 (BZ)		1.1063	1.1063	1.1054	1.1056	1.1063	1.1063	1.1060
PCB 53 (BZ)		1.1015	1.1024	1.1014	1.1016	1.1016	1.1023	1.1018
PCB 45 (BZ)		1.1372	1.1357	1.1363	1.1365	1.1365	1.1372	1.1366
PCB 51 (BZ)		1.1388	1.1389	1.1379	1.1389	1.1389	1.1388	1.1387
PCB 46 (BZ)		1.1523	1.1524	1.1513	1.1516	1.1516	1.1523	1.1519
PCB 52 (BZ)		1.2157	1.2151	1.2155	1.2151	1.2151	1.2157	1.2154
PCB 73 (BZ)		1.2213	1.2214	1.2211	1.2214	1.2214	1.2220	1.2214
PCB 43 (BZ)		1.2284	1.2286	1.2274	1.2278	1.2286	1.2284	1.2282
PCB 69 (BZ)		1.2324	1.2341	1.2330	1.2333	1.2333	1.2339	1.2333
PCB 49 (BZ)		1.2387	1.2389	1.2369	1.2381	1.2381	1.2387	1.2382
PCB 48 (BZ)		1.2514	1.2524	1.2504	1.2516	1.2516	1.2522	1.2516
PCB 65 (BZ)		1.2657	1.2659	1.2647	1.2651	1.2659	1.2657	1.2655
PCB 47 (BZ)		1.2665	1.2667	1.2655	1.2659	1.2667	1.2665	1.2663
PCB 44 (BZ)		1.2633	1.2635	1.2623	1.2635	1.2635	1.2641	1.2634
PCB 62 (BZ)		1.2768	1.2786	1.2765	1.2770	1.2778	1.2784	1.2775
PCB 75 (BZ)		1.2823	1.2825	1.2813	1.2825	1.2825	1.2831	1.2824
PCB 59 (BZ)		1.2791	1.2794	1.2789	1.2794	1.2794	1.2799	1.2793
PCB 42 (BZ)		1.2895	1.2897	1.2892	1.2897	1.2897	1.2895	1.2895
PCB 41 (BZ)		1.3085	1.3087	1.3074	1.3087	1.3087	1.3093	1.3086
PCB 71 (BZ)		1.3125	1.3135	1.3122	1.3127	1.3127	1.3132	1.3128
PCB 40 (BZ)		1.3140	1.3151	1.3130	1.3143	1.3143	1.3148	1.3143
PCB 64 (BZ)		1.3228	1.3238	1.3225	1.3238	1.3238	1.3243	1.3235
PCB 72 (BZ)		0.8288	0.8279	0.8284	0.8279	0.8279	0.8280	0.8281
PCB 68 (BZ)		0.8370	0.8366	0.8366	0.8366	0.8366	0.8362	0.8366
PCB 57 (BZ)		0.8491	0.8491	0.8497	0.8491	0.8491	0.8488	0.8492
PCB 58 (BZ)		0.8574	0.8574	0.8574	0.8569	0.8569	0.8575	0.8572
PCB 67 (BZ)		0.8612	0.8612	0.8608	0.8612	0.8612	0.8614	0.8612
PCB 63 (BZ)		0.8690	0.8685	0.8690	0.8685	0.8685	0.8691	0.8687
PCB 61 (BZ)		0.8757	0.8752	0.8753	0.8752	0.8752	0.8754	0.8754
PCB 70 (BZ)		0.8806	0.8801	0.8801	0.8801	0.8801	0.8802	0.8802
PCB 76 (BZ)		0.8801	0.8796	0.8797	0.8796	0.8796	0.8797	0.8797
PCB 74 (BZ)		0.8815	0.8815	0.8816	0.8810	0.8815	0.8816	0.8815
PCB 66 (BZ)		0.8888	0.8893	0.8893	0.8893	0.8893	0.8894	0.8892
PCB 55 (BZ)		0.8956	0.8946	0.8951	0.8946	0.8946	0.8947	0.8949
PCB 56 (BZ)		0.9105	0.9101	0.9101	0.9101	0.9101	0.9101	0.9102
PCB 60 (BZ)		0.9154	0.9159	0.9159	0.9159	0.9159	0.9159	0.9158
PCB 80 (BZ)		0.9241	0.9236	0.9241	0.9236	0.9236	0.9242	0.9239
PCB 79 (BZ)		0.9700	0.9700	0.9705	0.9705	0.9700	0.9710	0.9703
PCB 78 (BZ)		0.9874	0.9869	0.9874	0.9865	0.9869	0.9874	0.9871
PCB 81 (BZ)	T	1.0005	1.0005	1.0005	1.0005	1.0005	1.0005	1.0005
PCB 77 (BZ)	T	1.0005	1.0005	1.0010	1.0010	1.0005	1.0005	1.0006
13C12-PCB 104		0.8180	0.8179	0.8186	0.8179	0.8179	0.8176	0.8180

STL - Knoxville | **IsoCalc Initial Calibration Report**

Specialty Organics Group | *PCB's by EPA Method 1668A*

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

		Relative Retention Time						Mean
Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	RRT
13C12-PCB 95				1.1140	1.1141	1.1148		1.1143
13C12-PCB 101		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13C12-PCB 111				1.0814	1.0810	1.0810		1.0811
13C12-PCB 123		1.1433	1.1439	1.1438	1.1439	1.1439	1.1437	1.1438
13C12-PCB 118		1.1536	1.1542	1.1536	1.1537	1.1537	1.1535	1.1537
13C12-PCB 114		1.1696	1.1702	1.1701	1.1707	1.1702	1.1705	1.1702
13C12-PCB 105		1.1923	1.1929	1.1923	1.1924	1.1924	1.1922	1.1924
13C12-PCB 127		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13C12-PCB 126		1.2866	1.2867	1.2871	1.2873	1.2867	1.2870	1.2869
PCB 104 (BZ)	L	1.0013	1.0006	1.0013	1.0006	1.0006	1.0013	1.0009
PCB 96 (BZ)		1.0189	1.0195	1.0183	1.0189	1.0189	1.0195	1.0190
PCB 103 (BZ)		1.0857	1.0870	1.0863	1.0864	1.0870	1.0870	1.0866
PCB 94 (BZ)		1.0964	1.0984	1.0970	1.0971	1.0971	1.0983	1.0974
PCB 95 (BZ)		1.1147		1.1184	1.1185	1.1185	1.1191	1.1178
PCB 100 (BZ)		1.1185	1.1154	1.1184	1.1185	1.1185	1.1191	1.1181
PCB 93 (BZ)		1.1229	1.1223	1.1228	1.1230	1.1230	1.1235	1.1229
PCB 102 (BZ)		1.1292	1.1286	1.1272	1.1274	1.1280	1.1285	1.1282
PCB 98 (BZ)		1.1304	1.1305	1.1297	1.1305	1.1305	1.1311	1.1305
PCB 88 (BZ)		1.1424	1.1419	1.1423	1.1425	1.1425	1.1424	1.1423
PCB 91 (BZ)		1.1474	1.1475	1.1467	1.1475	1.1475	1.1481	1.1475
PCB 84 (BZ)		1.1575	1.1589	1.1574	1.1583	1.1583	1.1588	1.1582
PCB 89 (BZ)		1.1752	1.1753	1.1751	1.1753	1.1759	1.1758	1.1754
PCB 121 (BZ)		1.1840	1.1847	1.1832	1.1841	1.1841	1.1846	1.1841
PCB 92 (BZ)		0.8598	0.8593	0.8598	0.8589	0.8589	0.8590	0.8593
PCB 113 (BZ)		1.2224	1.2226	1.2217	1.2226	1.2226	1.2231	1.2225
PCB 90 (BZ)		1.2231	1.2238	1.2229	1.2232	1.2238	1.2243	1.2235
PCB 101 (BZ)		1.2231	1.2238	1.2229	1.2232	1.2238	1.2243	1.2235
PCB 83 (BZ)		1.2413	1.2440	1.2431	1.2440	1.2421	1.2426	1.2429
PCB 99 (BZ)		1.2445	1.2465	1.2456	1.2459	1.2446	1.2451	1.2454
PCB 112 (BZ)		1.2489	1.2497	1.2494	1.2497	1.2497	1.2508	1.2497
PCB 109 (BZ)/108 (IUPAC)		1.2615	1.2629	1.2620	1.2623	1.2629	1.2640	1.2626
PCB 86 (BZ)		1.2634	1.2642	1.2632	1.2636	1.2642	1.2647	1.2639
PCB 119 (BZ)		1.2640	1.2648	1.2639	1.2642	1.2642	1.2653	1.2644
PCB 97 (BZ)		1.2640	1.2648	1.2639	1.2642	1.2642	1.2653	1.2644
PCB 125 (BZ)		1.2665	1.2673	1.2664	1.2667	1.2667	1.2672	1.2668
PCB 87 (BZ)		1.2684	1.2692	1.2683	1.2686	1.2686	1.2691	1.2687
PCB 117 (BZ)		1.2892	1.2888	1.2878	1.2888	1.2881	1.2892	1.2887
PCB 116 (BZ)		1.2917	1.2919	1.2909	1.2919	1.2919	1.2924	1.2918
PCB 85 (BZ)		1.2917	1.2919	1.2909	1.2919	1.2919	1.2924	1.2918
PCB 110 (BZ)		1.2962	1.2970	1.2960	1.2963	1.2970	1.2974	1.2966
PCB 115 (BZ)		1.2999	1.3008	1.2997	1.3008	1.3001	1.3012	1.3004
PCB 82 (BZ)		1.3138	1.3153	1.3136	1.3146	1.3146	1.3151	1.3145
PCB 111 (BZ)		1.3220	1.3228	1.3218	1.3222	1.3222	1.3233	1.3224
PCB 120 (BZ)		1.3396	1.3405	1.3388	1.3398	1.3398	1.3403	1.3398
PCB 124 (BZ)		1.3856	1.3859	1.3854	1.3859	1.3859	1.3869	1.3859
PCB 108 (BZ)/107 (IUPAC)		1.3837	1.3846	1.3835	1.3840	1.3846	1.3850	1.3842
PCB 107 (BZ)/109 (IUPAC)		1.3938	1.3947	1.3936	1.3947	1.3947	1.3957	1.3945
PCB 123 (BZ)	T	1.0009	1.0009	1.0009	1.0005	1.0005	1.0009	1.0008
PCB 106 (BZ)		1.0041	1.0041	1.0041	1.0036	1.0036	1.0041	1.0039

STL - Knoxville

Specialty Organics Group

IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

		Relative Retention Time						Mean
Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	RRT
PCB 118 (BZ)	T	1.0000	1.0004	1.0009	1.0004	1.0009	1.0004	1.0005
PCB 122 (BZ)		1.0112	1.0112	1.0116	1.0112	1.0116	1.0116	1.0114
PCB 114 (BZ)	T	1.0013	1.0009	1.0004	1.0004	1.0013	1.0004	1.0008
PCB 105 (BZ)	T	1.0004	1.0009	1.0009	1.0004	1.0009	1.0009	1.0007
PCB 127 (BZ)		1.0359	1.0359	1.0363	1.0359	1.0363	1.0363	1.0361
PCB 126 (BZ)	T	1.0004	1.0008	1.0004	1.0004	1.0008	1.0008	1.0006
13C12-PCB 155		0.7918	0.7913	0.7918	0.7917	0.7913	0.7915	0.7916
13C12-PCB 153				0.9020	0.9016	0.9020		0.9018
13C12-PCB 138		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13C12-PCB 167		1.0726	1.0726	1.0730	1.0730	1.0726	1.0725	1.0727
13C12-PCB 156		1.1035	1.1035	1.1039	1.1040	1.1035	1.1034	1.1036
13C12-PCB 157		1.1002	1.1002	1.1006	1.1040	1.1002	1.1001	1.1009
13C12-PCB 169		1.1819	1.1823	1.1823	1.1823	1.1819	1.1821	1.1821
PCB 155 (BZ)	L	1.0000	1.0010	1.0010	1.0005	1.0010	1.0005	1.0007
PCB 152 (BZ)		1.0115	1.0120	1.0115	1.0115	1.0120	1.0120	1.0117
PCB 150 (BZ)		1.0151	1.0151	1.0156	1.0156	1.0151	1.0156	1.0154
PCB 136 (BZ)		1.0297	1.0307	1.0302	1.0297	1.0302	1.0302	1.0301
PCB 145 (BZ)		1.0365	1.0375	1.0375	1.0370	1.0375	1.0370	1.0372
PCB 148 (BZ)		1.0807	1.0813	1.0818	1.0808	1.0808	1.0807	1.0810
PCB 151 (BZ)		1.1005	1.1016	1.1005	1.1006	1.1006	1.1005	1.1007
PCB 135 (BZ)		1.1021	1.1027	1.1026	1.1027	1.1027	1.1026	1.1025
PCB 154 (BZ)		1.1073	1.1089	1.1068	1.1068	1.1073	1.1067	1.1073
PCB 144 (BZ)		1.1187	1.1193	1.1187	1.1188	1.1193	1.1187	1.1189
PCB 147 (BZ)		1.1297	1.1308	1.1307	1.1303	1.1308	1.1312	1.1306
PCB 149 (BZ)		1.1297	1.1303	1.1302	1.1298	1.1298	1.1301	1.1300
PCB 134 (BZ)		1.1354	1.1355	1.1354	1.1355	1.1355	1.1353	1.1354
PCB 143 (BZ)		1.1385	1.1417	1.1411	1.1407	1.1412	1.1411	1.1407
PCB 139 (BZ)		1.1479	1.1490	1.1484	1.1485	1.1485	1.1484	1.1485
PCB 140 (BZ)		1.1479	1.1485	1.1484	1.1480	1.1480	1.1484	1.1482
PCB 131 (BZ)		1.1563	1.1569	1.1573	1.1569	1.1569	1.1567	1.1568
PCB 142 (BZ)		1.1604	1.1605	1.1609	1.1610	1.1610	1.1614	1.1609
PCB 132 (BZ)		1.1729	1.1730	1.1729	1.1730	1.1725	1.1728	1.1729
PCB 133 (BZ)		1.1844	1.1845	1.1844	1.1839	1.1845	1.1838	1.1842
PCB 165 (BZ)		0.8824	0.8827	0.8828	0.8824	0.8827	0.8824	0.8826
PCB 146 (BZ)		0.8885	0.8885	0.8885	0.8881	0.8885	0.8886	0.8885
PCB 161 (BZ)		0.8912	0.8912	0.8909	0.8908	0.8912	0.8913	0.8911
PCB 153 (BZ)		0.9031	0.9031	0.9028	0.9027	0.9031	0.9028	0.9029
PCB 168 (BZ)		0.9035	0.9035	0.9035	0.9031	0.9035	0.9036	0.9035
PCB 141 (BZ)		0.9085	0.9085	0.9085	0.9085	0.9081	0.9082	0.9084
PCB 130 (BZ)		0.9185	0.9181	0.9181	0.9181	0.9181	0.9182	0.9182
PCB 137 (BZ)		0.9223	0.9227	0.9228	0.9220	0.9223	0.9224	0.9224
PCB 164 (BZ)		0.9262	0.9262	0.9258	0.9258	0.9262	0.9262	0.9261
PCB 138 (BZ)		0.9304	0.9304	0.9304	0.9304	0.9304	0.9305	0.9304
PCB 163 (BZ)		0.9308	0.9308	0.9308	0.9308	0.9308	0.9308	0.9308
PCB 129 (BZ)		0.9331	0.9327	0.9327	0.9327	0.9327	0.9332	0.9329
PCB 160 (BZ)			0.9350	0.9350	0.9346	0.9350	0.9351	0.9350
PCB 158 (BZ)		0.9412	0.9412	0.9408	0.9412	0.9412	0.9412	0.9411
PCB 166 (BZ)		0.9608	0.9608	0.9604	0.9604	0.9604	0.9608	0.9606
PCB 128 (BZ)		0.9635	0.9635	0.9631	0.9631	0.9635	0.9635	0.9634

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IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: MID
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

		Relative Retention Time						Mean
Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	RRT
PCB 159 (BZ)		0.9831	0.9831	0.9827	0.9827	0.9827	0.9827	0.9828
PCB 162 (BZ)		0.9896	0.9896	0.9896	0.9896	0.9896	0.9896	0.9896
PCB 167 (BZ)	T	1.0004	1.0004	1.0008	1.0004	1.0004	1.0004	1.0004
PCB 156 (BZ)	T	0.9989	1.0004	0.9989	1.0004	1.0004	1.0004	0.9999
PCB 157 (BZ)	T	1.0007	1.0007		0.9974	1.0007	1.0007	1.0001
PCB 169 (BZ)	T	1.0003	1.0003	1.0003	1.0003	1.0003	1.0003	1.0003
13C12-PCB 188		0.8227	0.8223	0.8224	0.8223	0.8223	0.8228	0.8225
13C12-PCB 178				0.8892	0.8895	0.8895		0.8894
13C12-PCB 180		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13C12-PCB 170		1.0287	1.0291	1.0287	1.0287	1.0287	1.0287	1.0288
13C12-PCB 189		1.0956	1.0956	1.0952	1.0952	1.0956	1.0951	1.0954
PCB 188 (BZ)	L	1.0004	1.0009	1.0009	1.0004	1.0009	1.0004	1.0007
PCB 179 (BZ)		1.0124	1.0128	1.0128	1.0124	1.0128	1.0119	1.0125
PCB 184 (BZ)		1.0230	1.0234	1.0234	1.0230	1.0234	1.0229	1.0232
PCB 176 (BZ)		1.0349	1.0354	1.0353	1.0349	1.0354	1.0349	1.0351
PCB 186 (BZ)		1.0477	1.0477	1.0477	1.0477	1.0477	1.0477	1.0477
PCB 178 (BZ)		1.0817	1.0822	1.0822	1.0822	1.0822	1.0816	1.0820
PCB 175 (BZ)		1.0981	1.0990	1.0985	1.0985	1.0985	1.0980	1.0984
PCB 187 (BZ)		1.1056	1.1061	1.1056	1.1056	1.1061	1.1055	1.1057
PCB 182 (BZ)		1.1109	1.1109	1.1109	1.1109	1.1105	1.1099	1.1107
PCB 183 (BZ)		1.1210	1.1220	1.1215	1.1215	1.1220	1.1209	1.1215
PCB 185 (BZ)		1.1250	1.1259	1.1254	1.1255	1.1255	1.1249	1.1254
PCB 174 (BZ)		1.1299	1.1308	1.1303	1.1304	1.1304	1.1297	1.1302
PCB 177 (BZ)		1.1418	1.1418	1.1418	1.1414	1.1418	1.1412	1.1416
PCB 181 (BZ)		1.1506	1.1511	1.1506	1.1507	1.1507	1.1500	1.1506
PCB 171 (BZ)		1.1577	1.1582	1.1581	1.1578	1.1578	1.1571	1.1578
PCB 173 (BZ)		1.1546	1.1551	1.1550	1.1547	1.1551	1.1545	1.1548
PCB 172 (BZ)		0.9002	0.9005	0.9008	0.9005	0.9005	0.9005	0.9005
PCB 192 (BZ)		0.9058	0.9055	0.9058	0.9058	0.9055	0.9058	0.9057
PCB 193 (BZ)		0.9124	0.9124	0.9128	0.9127	0.9114	0.9128	0.9124
PCB 180 (BZ)		0.9124	0.9124	0.9124	0.9124	0.9128	0.9125	0.9125
PCB 191 (BZ)		0.9201	0.9207	0.9204	0.9204	0.9201	0.9204	0.9203
PCB 170 (BZ)		0.9396	0.9396	0.9396	0.9396	0.9396	0.9400	0.9397
PCB 190 (BZ)		0.9496	0.9493	0.9496	0.9496	0.9493	0.9493	0.9494
PCB 189 (BZ)	T	1.0003	1.0003	1.0003	1.0007	1.0007	1.0003	1.0004
13C12-PCB 202		0.8235	0.8235	0.8236	0.8235	0.8235	0.8239	0.8236
13C12-PCB 194		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13C12-PCB 205		1.0089	1.0089	1.0086	1.0086	1.0089	1.0086	1.0088
PCB 202 (BZ)	L	1.0004	1.0012	1.0004	1.0004	1.0004	1.0004	1.0005
PCB 200 (BZ)/201 (IUPAC)		1.0217	1.0217	1.0217	1.0213	1.0217	1.0213	1.0215
PCB 204 (BZ)		1.0368	1.0360	1.0363	1.0360	1.0364	1.0367	1.0364
PCB 197 (BZ)		1.0422	1.0422	1.0422	1.0418	1.0422	1.0417	1.0420
PCB 199 (BZ)/200 (IUPAC)		1.0472	1.0468	1.0468	1.0468	1.0468	1.0464	1.0468
PCB 198 (BZ)		1.1091	1.1099	1.1094	1.1099	1.1099	1.1098	1.1097
PCB 201 (BZ)/199 (IUPAC)		1.1106	1.1099	1.1094	1.1099	1.1099	1.1094	1.1098
PCB 196 (BZ)		0.9185	0.9182	0.9185	0.9185	0.9182	0.9189	0.9185
PCB 203 (BZ)		0.9220	0.9220	0.9223	0.9220	0.9220	0.9223	0.9221
PCB 195 (BZ)		0.9482	0.9482	0.9488	0.9485	0.9482	0.9488	0.9485
PCB 194 (BZ)		0.9921	0.9915	0.9921	0.9918	0.9915	0.9921	0.9918

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IsoCalc Initial Calibration Report

PCB's by EPA Method 1668A

ICAL ID: 20889 - 20070313I
Date: 03/13/07 17:42
Method: IE3 - IE3

Instrument: M1D
Column Desc: SPB-Octyl 30m x 0.25mm ID x 0.25um
Column S/N: 35055-03A

Level	Filename	Date/Time	Sample ID	Result Directory
CS0.5:	a070313i6	03/13/07 17:42	2990:71CS0.5	/20070313i/a070313i6.d
CS1:	a070313i1	03/13/07 18:44	2990:71CS1	/20070313i/a070313i1.d
CS2:	a070313i2	03/13/07 21:18	2990:71CS2	/20070313i/a070313i2.d
CS3:	a070313i3	03/13/07 22:19	2990:71CS3	/20070313i/a070313i3.d
CS4:	a070313i4	03/13/07 23:21	2990:71CS4	/20070313i/a070313i4.d
CS5:	a070313i5	03/14/07 00:23	2990:71CS5	/20070313i/a070313i5.d

		Relative Retention Time						Mean
Analyte	T/L	CS0.5	CS1	CS2	CS3	CS4	CS5	RRT
PCB 205 (BZ)	L	1.0003	1.0006	1.0003	1.0006	1.0003	1.0009	1.0005
13C12-PCB 208		0.9500	0.9503	0.9500	0.9500	0.9503	0.9503	0.9501
13C12-PCB 206		1.0414	1.0414	1.0414	1.0414	1.0414	1.0417	1.0415
PCB 208 (BZ)	L	1.0003	1.0003	1.0007	1.0007	1.0003	1.0003	1.0004
PCB 207 (BZ)		1.0191	1.0188	1.0191	1.0188	1.0188	1.0188	1.0189
PCB 206 (BZ)	L	1.0003	1.0009	1.0003	1.0003	1.0006	1.0003	1.0005
13C12-PCB 209		1.0717	1.0717	1.0717	1.0717	1.0717	1.0717	1.0717
PCB 209 (BZ)	L	1.0009	1.0009	1.0006	1.0003	1.0003	1.0006	1.0006

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IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS0.5	Prep Batch		Lot No	
Data File	/20070313i/a070313i6.d	Prep Date		SDG No	
Analysis ID	96226	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	17:42	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
Total Monochlorobiphenyl		188470	69309	1.000		2.091882		2.091882		0.0233
13C12-PCB 1	12:12	9192194	3723608	1.000	100.0	136.394377	136.39	136.394377		0.0322
13C12-PCB 3	14:25	8862733	3087105	1.000	100.0	131.505813	131.51	131.505813		0.0322
PCB 1 (BZ)	12:13	57111	25472	1.000	0.500	0.621299	124.26	0.621299		0.00705
PCB 2 (BZ)	14:15	56179	20304	1.000	0.500	0.622312	124.46	0.622312		0.00771
PCB 3 (BZ)	14:26	75180	23533	1.000	0.500	0.848271	169.65	0.848271		0.00850
Total Dichlorobiphenyl		484917	130923	1.000		8.675375		8.675375		0.350
13C12-PCB 4	14:42	4182530	1407840	1.000	100.0	62.060654	62.06	62.060654		0.0314
13C12-PCB 9	16:40	6739423	1997135	1.000	100.0	100.000000	100.00	100.000000		0.0314
13C12-PCB 8				1.000	0.500			ND		0.0389
13C12-PCB 15	20:40	6983068	1821903	1.000	100.0	103.615220	103.62	103.615220		0.0314
PCB 4 (BZ)	14:43	26323	7908	1.000	0.500	0.629356	125.87	0.629356		0.0334
PCB 10 (BZ)	14:53	37165	12768	1.000	0.500	0.665706	133.14	0.665706		0.0291
PCB 9 (BZ)	16:41	40162	11481	1.000	0.500	0.719388	143.88	0.719388		0.0291
PCB 7 (BZ)	16:50	40929	12034	1.000	0.500	0.733127	146.63	0.733127		0.0291
PCB 6 (BZ)	17:07	40096	12604	1.000	0.500	0.718206	143.64	0.718206		0.0291
PCB 5 (BZ)	17:26	40341	11816	1.000	0.500	0.722595	144.52	0.722595		0.0291
PCB 8 (BZ)	17:33	41515	11418	1.000	0.500	0.743623	148.72	0.743623		0.0291
PCB 14 (BZ)	19:08	46535	11730	1.000	0.500	0.833542	166.71	0.833542		0.0291
PCB 11 (BZ)	20:03	44895	11259	1.000	0.500	0.804167	160.83	0.804167		0.0291
PCB 13 (BZ)	20:22	80074	16051	1.000	0.500	1.434298	286.86	1.434298	C12	0.0291
PCB 12 (BZ)	20:26			1.000	0.500			ND	C12	0.0291
PCB 15 (BZ)	20:41	46882	11854	1.000	0.500	0.671367	134.27	0.671367		0.0258
Total Trichlorobiphenyl		986362	214980	1.000		16.543075		16.543075	Q	0.600
13C12-PCB 19	17:53	2949152	840383	1.000	100.0	55.808032	55.81	55.808032		0.0715
13C12-PCB 32	21:08	5284458	1318636	1.000	100.0	100.000000	100.00	100.000000		0.0715
13C12-PCB 31	23:23	9234444	2257202	1.000	100.0	100.000000	100.00	100.000000		0.0418
13C12-PCB 28				1.000	0.500			ND		0.0418
13C12-PCB 37	27:45	7783201	1703677	1.000	100.0	84.284457	84.28	84.284457		0.0418
PCB 19 (BZ)	17:54	17488	5022	1.000	0.500	0.592984	118.60	0.592984		0.0378
PCB 30 (BZ)	19:37	27424	8330	1.000	0.500	0.929894	185.98	0.929894		0.0378
PCB 18 (BZ)	19:45	17531	5132	1.000	0.500	0.594442	118.89	0.594442		0.0378
PCB 17 (BZ)	20:09	18984	5048	1.000	0.500	0.643710	128.74	0.643710		0.0378
PCB 27 (BZ)	20:24	29089	6618	1.000	0.500	0.986351	197.27	0.986351		0.0378
PCB 24 (BZ)	20:29	28452	6816	1.000	0.500	0.964752	192.95	0.964752		0.0378
PCB 16 (BZ)	20:41	15563	4482	1.000	0.500	0.527716	105.54	0.527716	Q	0.0378
PCB 32 (BZ)	21:10	29236	8167	1.000	0.500	0.991336	198.27	0.991336		0.0378
PCB 34 (BZ)	22:22	51932	13182	1.000	0.500	0.667232	133.45	0.667232		0.0186
PCB 23 (BZ)	22:30	46191	10337	1.000	0.500	0.593470	118.69	0.593470		0.0186
PCB 29 (BZ)	22:56			1.000	0.500			ND	C26	0.0186
PCB 26 (BZ)	22:50	93032	22719	1.000	0.500	1.195292	239.06	1.195292	C26	0.0186
PCB 25 (BZ)	23:05	49750	12730	1.000	0.500	0.639197	127.84	0.639197		0.0186
PCB 31 (BZ)	23:24	51606	12421	1.000	0.500	0.663043	132.61	0.663043		0.0186
PCB 28 (BZ)	23:42	102173	13537	1.000	0.500	1.312738	262.55	1.312738	C20	0.0186
PCB 20 (BZ)	23:46			1.000	0.500			ND	C20	0.0186
PCB 21 (BZ)	23:54	99293	12448	1.000	0.500	1.275735	255.15	1.275735	C21	0.0186
PCB 33 (BZ)	24:00			1.000	0.500			ND	C21	0.0186
PCB 22 (BZ)	24:22	46568	11245	1.000	0.500	0.598314	119.66	0.598314		0.0186
PCB 36 (BZ)	25:52	51039	10681	1.000	0.500	0.655758	131.15	0.655758		0.0186

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IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS0.5	Prep Batch		Lot No	
Data File	/20070313i/a070313i6.d	Prep Date		SDG No	
Analysis ID	96226	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	17:42	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 39 (BZ)	26:14	57056	12887	1.000	0.500	0.733066	146.61	0.733066		0.0186
PCB 38 (BZ)	26:50	50552	11020	1.000	0.500	0.649501	129.90	0.649501		0.0186
PCB 35 (BZ)	27:21	51378	10763	1.000	0.500	0.660114	132.02	0.660114		0.0186
PCB 37 (BZ)	27:46	52025	11395	1.000	0.500	0.668427	133.69	0.668427		0.0186
Total Tetrachlorobiphenyl		1344538	272033	1.000		24.276977		24.276977	Q	1.23
13C12-PCB 54	21:01	3164908	792961	1.000	100.0	59.890872	59.89	59.890872		0.0298
13C12-PCB 52	25:31	4643734	1104644	1.000	100.0	100.000000	100.00	100.000000		0.0355
13C12-PCB 79				1.000	0.500			ND		0.0336
13C12-PCB 81	34:28	5592084	1153392	1.000	100.0	120.422143	120.42	120.422143		0.0355
13C12-PCB 77	35:03	5597681	1180398	1.000	100.0	120.542671	120.54	120.542671		0.0355
PCB 54 (BZ)	21:03	17881	4607	1.000	0.500	0.564977	113.00	0.564977		0.0426
PCB 50 (BZ)	23:15			1.000	0.500			ND	C50	0.0289
PCB 53 (BZ)	23:09	53896	10519	1.000	0.500	0.963309	192.66	0.963309	C50	0.0289
PCB 45 (BZ)	23:54	47826	8947	1.000	0.500	0.854817	170.96	0.854817	C45	0.0289
PCB 51 (BZ)	23:56			1.000	0.500			ND	C45	0.0289
PCB 46 (BZ)	24:13	19929	5044	1.000	0.500	0.356201	71.24	0.356201		0.0289
PCB 52 (BZ)	25:33	27906	7605	1.000	0.500	0.498777	99.76	0.498777		0.0289
PCB 73 (BZ)	25:40	57629	8290	1.000	0.500	1.030031	206.01	1.030031	C43	0.0289
PCB 43 (BZ)	25:49			1.000	0.500			ND	C43	0.0289
PCB 69 (BZ)	25:54	36319	7958	1.000	0.500	0.649147	129.83	0.649147		0.0289
PCB 49 (BZ)	26:02	24394	5783	1.000	0.500	0.436008	87.20	0.436008	Q	0.0289
PCB 48 (BZ)	26:18	27689	6667	1.000	0.500	0.494899	98.98	0.494899		0.0289
PCB 65 (BZ)	26:36			1.000	0.500			ND	C44	0.0289
PCB 47 (BZ)	26:37			1.000	0.500			ND	C44	0.0289
PCB 44 (BZ)	26:33	89722	13523	1.000	0.500	1.603644	320.73	1.603644	C44	0.0289
PCB 62 (BZ)	26:50	113333	13217	1.000	0.500	2.025655	405.13	2.025655	C59	0.0289
PCB 75 (BZ)	26:57			1.000	0.500			ND	C59	0.0289
PCB 59 (BZ)	26:53			1.000	0.500			ND	C59	0.0289
PCB 42 (BZ)	27:06	25556	5322	1.000	0.500	0.456775	91.35	0.456775		0.0289
PCB 41 (BZ)	27:30	22186	5604	1.000	0.500	0.396541	79.31	0.396541		0.0289
PCB 71 (BZ)	27:35			1.000	0.500			ND	C40	0.0289
PCB 40 (BZ)	27:37	54276	10369	1.000	0.500	0.970101	194.02	0.970101	C40	0.0289
PCB 64 (BZ)	27:48	39385	9132	1.000	0.500	0.703947	140.79	0.703947		0.0289
PCB 72 (BZ)	28:34	39925	9210	1.000	0.500	0.713599	142.72	0.713599		0.0289
PCB 68 (BZ)	28:51	37989	8519	1.000	0.500	0.678995	135.80	0.678995		0.0289
PCB 57 (BZ)	29:16	33330	8114	1.000	0.500	0.595723	119.14	0.595723		0.0289
PCB 58 (BZ)	29:33	36563	7346	1.000	0.500	0.653508	130.70	0.653508		0.0289
PCB 67 (BZ)	29:41	33193	7999	1.000	0.500	0.593271	118.65	0.593271	Q	0.0289
PCB 63 (BZ)	29:57	38478	8463	1.000	0.500	0.687736	137.55	0.687736		0.0289
PCB 61 (BZ)	30:11	33702	8550	1.000	0.500	0.602372	120.47	0.602372		0.0289
PCB 70 (BZ)	30:21	108975	22090	1.000	0.500	1.947762	389.55	1.947762	C70	0.0289
PCB 76 (BZ)	30:20			1.000	0.500			ND	C70	0.0289
PCB 74 (BZ)	30:23			1.000	0.500			ND	C70	0.0289
PCB 66 (BZ)	30:38	33680	8043	1.000	0.500	0.601971	120.39	0.601971	Q	0.0289
PCB 55 (BZ)	30:52	32917	7801	1.000	0.500	0.588341	117.67	0.588341		0.0289
PCB 56 (BZ)	31:23	37263	7121	1.000	0.500	0.666019	133.20	0.666019		0.0289
PCB 60 (BZ)	31:33	35467	7539	1.000	0.500	0.633919	126.78	0.633919		0.0289
PCB 80 (BZ)	31:51	42458	9490	1.000	0.500	0.758872	151.77	0.758872		0.0289
PCB 79 (BZ)	33:26	37758	7368	1.000	0.500	0.674867	134.97	0.674867		0.0289

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS0.5	Prep Batch		Lot No	
Data File	/20070313i/a070313i6.d	Prep Date		SDG No	
Analysis ID	96226	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	17:42	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 78 (BZ)	34:02	31005	6827	1.000	0.500	0.554169	110.83	0.554169	Q	0.0289
PCB 81 (BZ)	34:29	38858	7467	1.000	0.500	0.694875	138.98	0.694875		0.0293
PCB 77 (BZ)	35:04	35050	7500	1.000	0.500	0.626152	125.23	0.626152		0.0286
Total Pentachlorobiphenyl		1124194	215766	1.000		21.849400		21.849400	Q	1.37
13C12-PCB 104	26:27	4576960	1069319	1.000	100.0	129.224575	129.22	129.224575		0.0560
13C12-PCB 95				1.000	0.500			ND		0.0397
13C12-PCB 101	32:20	3541865	759554	1.000	100.0	100.000000	100.00	100.000000		0.0560
13C12-PCB 111				1.000	0.500			ND		0.0560
13C12-PCB 123	36:58	6555637	1353945	1.000	100.0	95.121737	95.12	95.121737		0.0299
13C12-PCB 118	37:18	6792042	1406592	1.000	100.0	98.551954	98.55	98.551954		0.0299
13C12-PCB 114	37:49	6640661	1316538	1.000	100.0	96.355429	96.36	96.355429		0.0299
13C12-PCB 105	38:33	6419947	1316840	1.000	100.0	93.152887	93.15	93.152887		0.0299
13C12-PCB 127	39:55	6891839	1420929	1.000	100.0	100.000000	100.00	100.000000		0.0299
13C12-PCB 126	41:36	6653549	1375007	1.000	100.0	96.542432	96.54	96.542432		0.0299
PCB 104 (BZ)	26:29	27045	6124	1.000	0.500	0.590894	118.18	0.590894		0.0313
PCB 96 (BZ)	26:57	22483	5118	1.000	0.500	0.491221	98.24	0.491221		0.0313
PCB 103 (BZ)	28:43	21573	5110	1.000	0.500	0.471339	94.27	0.471339		0.0313
PCB 94 (BZ)	29:00	15356	3410	1.000	0.500	0.335507	67.10	0.335507		0.0313
PCB 95 (BZ)	29:29			1.000	0.500			ND	C95	0.0313
PCB 100 (BZ)	29:35	40180	4939	1.000	0.500	0.877875	175.58	0.877875	C95	0.0313
PCB 93 (BZ)	29:42	15460	3912	1.000	0.500	0.337779	67.56	0.337779		0.0313
PCB 102 (BZ)	29:52	39185	5606	1.000	0.500	0.856136	171.23	0.856136	C98	0.0313
PCB 98 (BZ)	29:54			1.000	0.500			ND	C98	0.0313
PCB 88 (BZ)	30:13	15988	4141	1.000	0.500	0.349308	69.86	0.349308	Q	0.0313
PCB 91 (BZ)	30:21	18305	4313	1.000	0.500	0.399938	79.99	0.399938		0.0313
PCB 84 (BZ)	30:37	16997	3974	1.000	0.500	0.371360	74.27	0.371360		0.0313
PCB 89 (BZ)	31:05	17310	3541	1.000	0.500	0.378199	75.64	0.378199		0.0313
PCB 121 (BZ)	31:19	23365	5556	1.000	0.500	0.510492	102.10	0.510492		0.0313
PCB 92 (BZ)	31:47	16617	4007	1.000	0.500	0.363058	72.61	0.363058		0.0313
PCB 113 (BZ)	32:20	67822	12051	1.000	0.500	1.481813	296.36	1.481813	C90	0.0313
PCB 90 (BZ)	32:21			1.000	0.500			ND	C90	0.0313
PCB 101 (BZ)	32:21			1.000	0.500			ND	C90	0.0313
PCB 83 (BZ)	32:50			1.000	0.500			ND	C83	0.0313
PCB 99 (BZ)	32:55	29409	6046	1.000	0.500	0.642548	128.51	0.642548	C83Q	0.0313
PCB 112 (BZ)	33:02	23097	5651	1.000	0.500	0.504636	100.93	0.504636		0.0313
PCB 109 (BZ)/108 (IUPAC)	33:22	127795	11166	1.000	0.500	2.792137	558.43	2.792137	C86	0.0313
PCB 86 (BZ)	33:25			1.000	0.500			ND	C86	0.0313
PCB 119 (BZ)	33:26			1.000	0.500			ND	C86	0.0313
PCB 97 (BZ)	33:26			1.000	0.500			ND	C86	0.0313
PCB 125 (BZ)	33:30			1.000	0.500			ND	C86	0.0313
PCB 87 (BZ)	33:33			1.000	0.500			ND	C86	0.0313
PCB 117 (BZ)	34:06	67337	6660	1.000	0.500	1.471217	294.24	1.471217	C85	0.0313
PCB 116 (BZ)	34:10			1.000	0.500			ND	C85	0.0313
PCB 85 (BZ)	34:10			1.000	0.500			ND	C85	0.0313
PCB 110 (BZ)	34:17			1.000	0.500			ND	C110	0.0313
PCB 115 (BZ)	34:23	51689	11619	1.000	0.500	1.129330	225.87	1.129330	C110	0.0313
PCB 82 (BZ)	34:45	14189	3174	1.000	0.500	0.310009	62.00	0.310009		0.0313
PCB 111 (BZ)	34:58	26805	5862	1.000	0.500	0.585651	117.13	0.585651		0.0313
PCB 120 (BZ)	35:26	22662	4837	1.000	0.500	0.495129	99.03	0.495129	Q	0.0313

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS0.5	Prep Batch		Lot No	
Data File	/20070313i/a070313i6.d	Prep Date		SDG No	
Analysis ID	96226	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	17:42	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 124 (BZ)	36:39	65056	15435	1.000	0.500	0.983847	196.77	0.983847	C108Q	0.0247
PCB 108 (BZ)/107 (IUPAC)	36:36			1.000	0.500			ND	C108	0.0247
PCB 107 (BZ)/109 (IUPAC)	36:52	38908	7907	1.000	0.500	0.588413	117.68	0.588413		0.0247
PCB 123 (BZ)	37:00	38605	8613	1.000	0.500	0.588883	117.78	0.588883		0.0247
PCB 106 (BZ)	37:07	32886	6807	1.000	0.500	0.497341	99.47	0.497341		0.0247
PCB 118 (BZ)	37:18	37871	8255	1.000	0.500	0.557579	111.52	0.557579		0.0238
PCB 122 (BZ)	37:43	35322	8153	1.000	0.500	0.534181	106.84	0.534181		0.0247
PCB 114 (BZ)	37:52	42178	8430	1.000	0.500	0.635148	127.03	0.635148		0.0254
PCB 105 (BZ)	38:34	38635	9242	1.000	0.500	0.601796	120.36	0.601796		0.0254
PCB 127 (BZ)	39:56	37094	8340	1.000	0.500	0.560979	112.20	0.560979		0.0247
PCB 126 (BZ)	41:37	36971	7767	1.000	0.500	0.555658	111.13	0.555658		0.0244
Total Hexachlorobiphenyl		1053659	190467	1.000		19.706197		19.706197	Q	1.68
13C12-PCB 155	32:00	4296638	949903	1.000	100.0	121.310044	121.31	121.310044		0.0553
13C12-PCB 153				1.000	0.500			ND		0.0478
13C12-PCB 138	40:25	4722479	984973	1.000	100.0	100.000000	100.00	100.000000		0.0426
13C12-PCB 167	43:21	5725028	1166470	1.000	100.0	121.229295	121.23	121.229295		0.0426
13C12-PCB 156	44:36	11457024	1253358	1.000	200.0	242.606140	121.30	242.606140		0.0426
13C12-PCB 157								ND		0.000000
13C12-PCB 169	47:46	5450981	1091454	1.000	100.0	115.426262	115.43	115.426262		0.0426
PCB 155 (BZ)	32:00	24467	4886	1.000	0.500	0.569445	113.89	0.569445		0.0374
PCB 152 (BZ)	32:22	21263	5008	1.000	0.500	0.494875	98.98	0.494875		0.0374
PCB 150 (BZ)	32:29	21549	5020	1.000	0.500	0.501532	100.31	0.501532		0.0374
PCB 136 (BZ)	32:57	19254	4128	1.000	0.500	0.448118	89.62	0.448118		0.0374
PCB 145 (BZ)	33:10	21967	4986	1.000	0.500	0.511260	102.25	0.511260		0.0374
PCB 148 (BZ)	34:35	15068	3279	1.000	0.500	0.350704	70.14	0.350704	Q	0.0374
PCB 151 (BZ)	35:13			1.000	0.500			ND	C135	0.0374
PCB 135 (BZ)	35:16			1.000	0.500			ND	C135	0.0374
PCB 154 (BZ)	35:26	53494	4781	1.000	0.500	1.245020	249.00	1.245020	C135	0.0374
PCB 144 (BZ)	35:48	15649	3685	1.000	0.500	0.364215	72.84	0.364215		0.0374
PCB 147 (BZ)	36:09	51537	8948	1.000	0.500	0.910828	182.17	0.910828	C147	0.0404
PCB 149 (BZ)	36:09			1.000	0.500			ND	C147	0.0404
PCB 134 (BZ)	36:20			1.000	0.500			ND	C134	0.0404
PCB 143 (BZ)	36:26	42103	5254	1.000	0.500	0.744098	148.82	0.744098	C134	0.0404
PCB 139 (BZ)	36:44	50071	7852	1.000	0.500	0.884919	176.98	0.884919	C139	0.0404
PCB 140 (BZ)	36:44			1.000	0.500			ND	C139	0.0404
PCB 131 (BZ)	37:00	22857	4630	1.000	0.500	0.403958	80.79	0.403958		0.0404
PCB 142 (BZ)	37:08	22223	4738	1.000	0.500	0.392753	78.55	0.392753		0.0404
PCB 132 (BZ)	37:32	20712	4169	1.000	0.500	0.366049	73.21	0.366049		0.0404
PCB 133 (BZ)	37:54	19356	4351	1.000	0.500	0.342084	68.42	0.342084		0.0404
PCB 165 (BZ)	38:15	27367	5693	1.000	0.500	0.483665	96.73	0.483665		0.0404
PCB 146 (BZ)	38:31	25483	5888	1.000	0.500	0.450368	90.07	0.450368		0.0404
PCB 161 (BZ)	38:38	29229	5762	1.000	0.500	0.516572	103.31	0.516572		0.0404
PCB 153 (BZ)	39:09	59119	10091	1.000	0.500	1.044827	208.97	1.044827	C153	0.0404
PCB 168 (BZ)	39:10			1.000	0.500			ND	C153	0.0404
PCB 141 (BZ)	39:23	18644	4518	1.000	0.500	0.329492	65.90	0.329492	Q	0.0404
PCB 130 (BZ)	39:49	22743	5015	1.000	0.500	0.401943	80.39	0.401943		0.0404
PCB 137 (BZ)	39:59	25110	5295	1.000	0.500	0.443776	88.76	0.443776		0.0404
PCB 164 (BZ)	40:09	30129	6046	1.000	0.500	0.532478	106.50	0.532478		0.0404
PCB 138 (BZ)	40:20			1.000	0.500			ND	C129	0.0404

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS0.5	Prep Batch		Lot No	
Data File	/20070313i/a070313i6.d	Prep Date		SDG No	
Analysis ID	96226	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	17:42	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 163 (BZ)	40:21			1.000	0.500			ND	C129	0.0404
PCB 129 (BZ)	40:27	102309	12002	1.000	0.500	1.808136	361.63	1.808136	C129	0.0404
PCB 160 (BZ)				1.000	0.500			ND		0.0404
PCB 158 (BZ)	40:48	34826	7224	1.000	0.500	0.615490	123.10	0.615490		0.0404
PCB 166 (BZ)	41:39	33239	6689	1.000	0.500	0.587442	117.49	0.587442		0.0404
PCB 128 (BZ)	41:46	21834	4224	1.000	0.500	0.385878	77.18	0.385878		0.0404
PCB 159 (BZ)	42:37	29755	6896	1.000	0.500	0.525869	105.17	0.525869		0.0404
PCB 162 (BZ)	42:54	30816	6074	1.000	0.500	0.544620	108.92	0.544620		0.0404
PCB 167 (BZ)	43:22	34104	7061	1.000	0.500	0.595700	119.14	0.595700		0.0304
PCB 156 (BZ)	44:28			1.000	1.000			ND	C156	0.0566
PCB 157 (BZ)	44:33	67369	7883	1.000		1.176030		1.176030	C156	0.0566
PCB 169 (BZ)	47:47	40013	8391	1.000	0.500	0.734051	146.81	0.734051		0.0325
Total Heptachlorobiphenyl		529293	111432	1.000		12.616451		12.616451		0.829
13C12-PCB 188	37:44	4900900	1026679	1.000	100.0	121.630673	121.63	121.630673		0.0438
13C12-PCB 178				1.000	0.500			ND		0.0438
13C12-PCB 180	45:52	4029329	839428	1.000	100.0	100.000000	100.00	100.000000		0.0438
13C12-PCB 170	47:11	3291870	675516	1.000	100.0	81.697722	81.70	81.697722		0.0438
13C12-PCB 189	50:15	6448973	1328954	1.000	100.0	157.669547	157.67	157.669547		0.0447
PCB 188 (BZ)	37:45	27337	6502	1.000	0.500	0.557796	111.56	0.557796		0.0290
PCB 179 (BZ)	38:12	23881	5749	1.000	0.500	0.582977	116.60	0.582977		0.0350
PCB 184 (BZ)	38:36	23786	5232	1.000	0.500	0.580658	116.13	0.580658		0.0350
PCB 176 (BZ)	39:03	24786	5065	1.000	0.500	0.605070	121.01	0.605070		0.0350
PCB 186 (BZ)	39:32	28073	6425	1.000	0.500	0.685312	137.06	0.685312		0.0350
PCB 178 (BZ)	40:49	19298	3574	1.000	0.500	0.471098	94.22	0.471098		0.0350
PCB 175 (BZ)	41:26	18900	4873	1.000	0.500	0.461382	92.28	0.461382		0.0350
PCB 187 (BZ)	41:43	21433	4037	1.000	0.500	0.523217	104.64	0.523217		0.0350
PCB 182 (BZ)	41:55	19517	5123	1.000	0.500	0.476444	95.29	0.476444		0.0350
PCB 183 (BZ)	42:18	18305	4015	1.000	0.500	0.446857	89.37	0.446857		0.0350
PCB 185 (BZ)	42:27	18921	4161	1.000	0.500	0.461895	92.38	0.461895		0.0350
PCB 174 (BZ)	42:38	18701	3921	1.000	0.500	0.456524	91.30	0.456524		0.0350
PCB 177 (BZ)	43:05	18049	3448	1.000	0.500	0.440608	88.12	0.440608		0.0350
PCB 181 (BZ)	43:25	22755	4870	1.000	0.500	0.555490	111.10	0.555490		0.0350
PCB 171 (BZ)	43:41	34758	7689	1.000	0.500	0.848504	169.70	0.848504	C171	0.0350
PCB 173 (BZ)	43:34			1.000	0.500			ND	C171	0.0350
PCB 172 (BZ)	45:14	17436	3682	1.000	0.500	0.425644	85.13	0.425644		0.0350
PCB 192 (BZ)	45:31	24716	4826	1.000	0.500	0.603361	120.67	0.603361		0.0350
PCB 193 (BZ)	45:51	49917	7852	1.000	0.500	1.218562	243.71	1.218562	C180	0.0350
PCB 180 (BZ)	45:51			1.000	0.500			ND	C180	0.0350
PCB 191 (BZ)	46:14	24395	4872	1.000	0.500	0.595525	119.11	0.595525		0.0350
PCB 170 (BZ)	47:13	16813	3481	1.000	0.500	0.510743	102.15	0.510743		0.0440
PCB 190 (BZ)	47:43	24358	5313	1.000	0.500	0.594622	118.92	0.594622		0.0350
PCB 189 (BZ)	50:16	33158	6722	1.000	0.500	0.514159	102.83	0.514159		0.0224
Total Octachlorobiphenyl		242947	48280	1.000		5.614939		5.614939	Q	0.349
13C12-PCB 202	43:05	3975319	845493	1.000	100.0	98.659578	98.66	98.659578		0.0387
13C12-PCB 194	52:19	4090183	822700	1.000	100.0	100.000000	100.00	100.000000		0.0395
13C12-PCB 205	52:47	5581023	1130642	1.000	100.0	136.449225	136.45	136.449225		0.0395
PCB 202 (BZ)	43:06	22077	5190	1.000	0.500	0.555352	111.07	0.555352		0.0310
PCB 200 (BZ)/201 (IUPAC)	44:01	22842	4996	1.000	0.500	0.574595	114.92	0.574595		0.0310
PCB 204 (BZ)	44:40	21627	4062	1.000	0.500	0.544032	108.81	0.544032		0.0310

STL - Knoxville

IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS0.5	Prep Batch		Lot No	
Data File	/20070313i/a070313i6.d	Prep Date		SDG No	
Analysis ID	96226	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	17:42	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 197 (BZ)	44:54	22026	4877	1.000	0.500	0.554069	110.81	0.554069		0.0310
PCB 199 (BZ)/200 (IUPAC)	45:07	19285	4019	1.000	0.500	0.485118	97.02	0.485118		0.0310
PCB 198 (BZ)	47:47			1.000	0.500			ND	C198	0.0310
PCB 201 (BZ)/199 (IUPAC)	47:51	32976	4479	1.000	0.500	0.829518	165.90	0.829518	C198	0.0310
PCB 196 (BZ)	48:29	13750	2703	1.000	0.500	0.345878	69.18	0.345878	Q	0.0310
PCB 203 (BZ)	48:40	19770	3944	1.000	0.500	0.497319	99.46	0.497319		0.0310
PCB 195 (BZ)	50:03	18924	3699	1.000	0.500	0.339078	67.82	0.339078		0.0232
PCB 194 (BZ)	52:22	22101	4636	1.000	0.500	0.396003	79.20	0.396003		0.0232
PCB 205 (BZ)	52:48	27569	5675	1.000	0.500	0.493978	98.80	0.493978		0.0232
Total Nonachlorobiphenyl		69042	14331	1.000		1.752363		1.752363		0.110
13C12-PCB 208	49:42	4654107	936128	1.000	100.0	113.787256	113.79	113.787256		0.0526
13C12-PCB 206	54:29	3289559	651820	1.000	100.0	80.425717	80.43	80.425717		0.0526
PCB 208 (BZ)	49:43	23622	5441	1.000	0.500	0.507552	101.51	0.507552		0.0304
PCB 207 (BZ)	50:39	26029	5131	1.000	0.500	0.655340	131.07	0.655340		0.0359
PCB 206 (BZ)	54:30	19391	3759	1.000	0.500	0.589471	117.89	0.589471		0.0437
13C12-PCB 209	56:04	3717313	681733	1.000	100.0	90.883782	90.88	90.883782		0.0435
PCB 209 (BZ)	56:07	18486	4200	1.000	0.500	0.497295	99.46	0.497295		0.0348

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IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS0.5	Prep Batch		Lot No	
Data File	/20070313i/a070313i6.d	Prep Date		SDG No	
Analysis ID	96226	Prep Exp Date		Date Received	
Analysis Date	03/13/07 17:42	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
188					188.0393	190.0363	188.0393	190.0363	2.66-3.60		
	Noise	00:00	00:00	0	133	130	53	52	1.02 *	/	
	PCB 1 (BZ)	12:13	00:00	0	43109	14002	19217	6255	3.08	ABB/ABB	M
	PCB 2 (BZ)	14:15	00:00	0	41947	14232	15343	4961	2.95	AVV/ABB	
	PCB 3 (BZ)	14:26	00:00	0	57094	18086	17716	5817	3.16	AVB/ABB	
200					200.0795	202.0766	200.0795	202.0766	2.66-3.60		
	Noise	00:00	00:00	0	360	283	144	113	1.27 *	/	
	13C12-PCB 1	12:12	00:00	0	7003558	2188636	2827371	896237	3.20	AVV/AVV	
	13C12-PCB 3	14:25	00:00	0	6771696	2091037	2367166	719939	3.24	ABV/ABV	
222					222.0003	223.9974	222.0003	223.9974	1.33-1.79		
	Noise	00:00	00:00	0	178	293	71	117	0.61 *	/	
	PCB 4 (BZ)	14:43	00:00	0	15634	10689	4910	2998	1.46	MVV/MVV	
	PCB 10 (BZ)	14:53	00:00	0	21909	15256	7785	4983	1.44	MVV/MVV	
	PCB 9 (BZ)	16:41	00:00	0	25053	15109	7475	4006	1.66	ABV/ABB	
	PCB 7 (BZ)	16:50	00:00	0	25643	15286	7992	4042	1.68	AVB/ABB	D
	PCB 6 (BZ)	17:07	00:00	0	25421	14675	7889	4715	1.73	ABB/MVV	
	PCB 5 (BZ)	17:26	00:00	0	25209	15132	7298	4518	1.67	ABV/MVV	
	PCB 8 (BZ)	17:33	00:00	0	24437	17078	6311	5107	1.43	AVB/MVB	M
	PCB 14 (BZ)	19:08	00:00	0	27934	18601	7528	4202	1.50	ABB/MVV	M
	PCB 11 (BZ)	20:03	00:00	0	27544	17351	6585	4674	1.59	ABB/MVV	
	PCB 13 (BZ)	20:22	00:00	0	47130	32944	9639	6412	1.43	MBB/MVV	
	PCB 12 (BZ)	20:26	00:00	0	0	0	0	0	0.00 *	/	
	PCB 15 (BZ)	20:41	00:00	0	29047	17835	6864	4990	1.63	ABB/MVV	
234					234.0406	236.0376	234.0406	236.0376	1.33-1.79		
	Noise	00:00	00:00	0	400	228	160	91	1.76	/	
	13C12-PCB 4	14:42	00:00	0	2569678	1612852	865862	541978	1.59	AVV/ABV	
	13C12-PCB 9	16:40	00:00	0	4158546	2580877	1228187	768948	1.61	AVV/AVV	
	13C12-PCB 15	20:40	00:00	0	4319399	2663669	1123574	698329	1.62	AVV/ABV	
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	Noise	00:00	00:00	0	183	135	73	54	1.35 *	/	
	PCB 19 (BZ)	17:54	00:00	0	9432	8056	2801	2221	1.17	ABB/ABB	
	PCB 30 (BZ)	19:37	00:00	0	14267	13157	4290	4040	1.08	ABV/ABV	M
	PCB 18 (BZ)	19:45	00:00	0	8600	8931	2328	2804	0.96	AVB/AVB	M
	PCB 17 (BZ)	20:09	00:00	0	9091	9893	2525	2523	0.92	MBV/MVV	
	PCB 27 (BZ)	20:24	00:00	0	14944	14145	3498	3120	1.06	AVV/AVV	M
	PCB 24 (BZ)	20:29	00:00	0	13704	14748	3104	3712	0.93	AVV/AVV	DM
	PCB 16 (BZ)	20:41	00:00	0	9888	7629	2478	2197	1.30 *	AVB/AVB	RD
	PCB 32 (BZ)	21:10	00:00	0	15676	13560	4346	3821	1.16	MBB/MBB	
	PCB 34 (BZ)	22:22	00:00	0	27191	24741	6434	6748	1.10	ABV/ABV	M
	PCB 23 (BZ)	22:30	00:00	0	22453	23738	5013	5324	0.95	AVB/AVB	DM
	PCB 26 (BZ)	22:50	00:00	0	47903	45129	12541	10178	1.06	ABB/ABB	M
	PCB 29 (BZ)	22:56	00:00	0	0	0	0	0	0.00 *	/	
	PCB 25 (BZ)	23:05	00:00	0	25176	24574	6958	5772	1.02	ABB/ABB	D
	PCB 31 (BZ)	23:24	00:00	0	26898	24708	6712	5709	1.09	ABB/ABB	D

Notes:
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T = peaks outside comax limit D = peak outside RT window H = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS0.5	Prep Batch		Lot No	
Data File	/20070313i/a070313i6.d	Prep Date		SDG No	
Analysis ID	96226	Prep Exp Date		Date Received	
Analysis Date	03/13/07 17:42	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	PCB 28 (BZ)	23:42	00:00	0	52375	49798	6792	6745	1.05	ABV/ABV	D
	PCB 20 (BZ)	23:46	00:00	0	0	0	0	0	0.00 *	/	
	PCB 21 (BZ)	23:54	00:00	0	53421	45872	6136	6312	1.16	AVB/AVB	DT
	PCB 33 (BZ)	24:00	00:00	0	0	0	0	0	0.00 *	/	
	PCB 22 (BZ)	24:22	00:00	0	24685	21883	5677	5568	1.13	ABB/ABB	D
	PCB 36 (BZ)	25:52	00:00	0	26066	24973	5712	4969	1.04	ABB/AVB	M
	PCB 39 (BZ)	26:14	00:00	0	29950	27106	6273	6614	1.10	ABV/ABV	M
	PCB 38 (BZ)	26:50	00:00	0	26126	24426	5453	5567	1.07	ABV/ABB	D
	PCB 35 (BZ)	27:21	00:00	0	26743	24635	5274	5489	1.09	ABV/ABV	
	PCB 37 (BZ)	27:46	00:00	0	28070	23955	5920	5475	1.17	AVV/AVB	
268					268.0016	269.9986	268.0016	269.9986	0.88-1.20		
	Noise	00:00	00:00	0	598	345	239	138	1.73 *	/	
	13C12-PCB 19	17:53	00:00	0	1517246	1431906	427969	412414	1.06	AVV/AVV	
	13C12-PCB 32	21:08	00:00	0	2724888	2559570	681556	637080	1.06	AVV/ABV	
	13C12-PCB 31	23:23	00:00	0	4761497	4472947	1163156	1094046	1.06	AVV/ABV	
	13C12-PCB 37	27:45	00:00	0	3982558	3800643	870442	833235	1.05	ABV/ABV	
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	Noise	00:00	00:00	0	160	178	64	71	0.90 *	/	
	PCB 54 (BZ)	21:03	00:00	0	7982	9899	2317	2290	0.81	MBB/ABB	
	PCB 53 (BZ)	23:09	00:00	0	23306	30590	4539	5980	0.76	ABB/ABB	
	PCB 50 (BZ)	23:15	00:00	0	0	0	0	0	0.00 *	/	
	PCB 45 (BZ)	23:54	00:00	0	20837	26989	4202	4745	0.77	MBB/ABB	
	PCB 51 (BZ)	23:56	00:00	0	0	0	0	0	0.00 *	/	
	PCB 46 (BZ)	24:13	00:00	0	9004	10925	2463	2581	0.82	MBB/ABB	D
	PCB 52 (BZ)	25:33	00:00	0	12110	15796	3228	4377	0.77	ABV/ABV	D
	PCB 73 (BZ)	25:40	00:00	0	24668	32961	3621	4669	0.75	AVV/AVV	
	PCB 43 (BZ)	25:49	00:00	0	0	0	0	0	0.00 *	/	
	PCB 69 (BZ)	25:54	00:00	0	14893	21426	3300	4658	0.70	AVV/MVV	M
	PCB 49 (BZ)	26:02	00:00	0	15701	13782	3626	3267	1.14 *	AVB/MVV	RM
	PCB 48 (BZ)	26:18	00:00	0	12384	15305	2965	3702	0.81	ABV/ABB	
	PCB 44 (BZ)	26:33	00:00	0	40388	49334	5585	7938	0.82	AVV/ABV	
	PCB 65 (BZ)	26:36	00:00	0	0	0	0	0	0.00 *	/	
	PCB 47 (BZ)	26:37	00:00	0	0	0	0	0	0.00 *	/	
	PCB 62 (BZ)	26:50	00:00	0	48412	64921	5993	7224	0.75	AVV/AVV	
	PCB 59 (BZ)	26:53	00:00	0	0	0	0	0	0.00 *	/	
	PCB 75 (BZ)	26:57	00:00	0	0	0	0	0	0.00 *	/	
	PCB 42 (BZ)	27:06	00:00	0	11556	14000	2307	3015	0.83	AVB/AVB	D
	PCB 41 (BZ)	27:30	00:00	0	9880	12306	2509	3095	0.80	ABV/ABV	
	PCB 71 (BZ)	27:35	00:00	0	0	0	0	0	0.00 *	/	
	PCB 40 (BZ)	27:37	00:00	0	25165	29111	5244	5125	0.86	AVV/AVV	D
	PCB 64 (BZ)	27:48	00:00	0	16301	23084	3911	5221	0.71	AVB/AVB	D
	PCB 72 (BZ)	28:34	00:00	0	16115	23810	3983	5227	0.68	ABB/ABB	M
	PCB 68 (BZ)	28:51	00:00	0	15652	22337	3413	5106	0.70	ABB/ABB	D
	PCB 57 (BZ)	29:16	00:00	0	15330	18000	3744	4370	0.85	ABB/ABB	M

Notes:
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STL - Knoxville

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Data File	/20070313i/a070313i6.d	Prep Date		SDG No	
Analysis ID	96226	Prep Exp Date		Date Received	
Analysis Date	03/13/07 17:42	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	PCB 58 (BZ)	29:33	00:00	0	15882	20681	3116	4230	0.77	ABV/ABV	D
	PCB 67 (BZ)	29:41	00:00	0	17072	18753	3895	4519	0.91 *	AVB/AVV	RD
	PCB 63 (BZ)	29:57	00:00	0	16448	22030	3809	4654	0.75	ABB/AVB	D
	PCB 61 (BZ)	30:11	00:00	0	13825	19877	3295	5255	0.70	ABV/ABV	D
	PCB 76 (BZ)	30:20	00:00	0	0	0	0	0	0.00 *	/	
	PCB 70 (BZ)	30:21	00:00	0	48714	60261	9846	12244	0.81	AVB/AVB	
	PCB 74 (BZ)	30:23	00:00	0	0	0	0	0	0.00 *	/	
	PCB 66 (BZ)	30:38	00:00	0	18091	19028	4295	4544	0.95 *	ABB/ABB	RD
	PCB 55 (BZ)	30:52	00:00	0	14784	18133	3447	4354	0.82	ABB/ABB	D
	PCB 56 (BZ)	31:23	00:00	0	16937	20326	3399	3722	0.83	ABV/ABV	M
	PCB 60 (BZ)	31:33	00:00	0	16652	18815	3660	3879	0.89 *	AVB/AVV	D
	PCB 80 (BZ)	31:51	00:00	0	18435	24023	4873	4617	0.77	ABV/AVB	D
	PCB 79 (BZ)	33:26	00:00	0	16335	21423	3413	3955	0.76	ABB/ABB	D
	PCB 78 (BZ)	34:02	00:00	0	16076	17517	3201	3857	0.92 *	ABB/ABB	R
	PCB 81 (BZ)	34:29	00:00	0	17601	21257	3625	3842	0.83	ABB/ABB	
	PCB 77 (BZ)	35:04	00:00	0	14651	20399	3071	4429	0.72	ABB/ABB	M
302					301.9626	303.9597	301.9626	303.9597	0.65-0.89		
	Noise	00:00	00:00	0	203	190	81	76	1.07 *	/	
	13C12-PCB 54	21:01	00:00	0	1406100	1758808	347638	445323	0.80	ABV/ABV	
	13C12-PCB 52	25:31	00:00	0	2058767	2584967	485170	619474	0.80	ABV/ABV	
	13C12-PCB 81	34:28	00:00	0	2501521	3090563	515264	638128	0.81	ABV/ABV	D
	13C12-PCB 77	35:03	00:00	0	2489230	3108451	526914	653484	0.80	ABV/ABV	M
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	Noise	00:00	00:00	0	178	158	71	63	1.13 *	/	
	PCB 104 (BZ)	26:29	00:00	0	17156	9889	3884	2240	1.73	ABB/ABB	
	PCB 96 (BZ)	26:57	00:00	0	14221	8262	3315	1803	1.72	ABB/ABB	D
	PCB 103 (BZ)	28:43	00:00	0	13097	8476	2913	2197	1.55	ABB/ABB	M
	PCB 94 (BZ)	29:00	00:00	0	9482	5874	2154	1256	1.61	MBB/MBB	D
	PCB 95 (BZ)	29:29	00:00	0	0	0	0	0	0.00 *	/	
	PCB 100 (BZ)	29:35	00:00	0	24580	15600	2950	1989	1.58	MBV/ABV	M
	PCB 93 (BZ)	29:42	00:00	0	8936	6524	2196	1716	1.37	MVV/MVV	DM
	PCB 102 (BZ)	29:52	00:00	0	24244	14941	2955	2651	1.62	AVB/MVV	D
	PCB 98 (BZ)	29:54	00:00	0	0	0	0	0	0.00 *	/	
	PCB 88 (BZ)	30:13	00:00	0	9718	7603	2517	1437	1.28 *	ABV/ABV	R
	PCB 91 (BZ)	30:21	00:00	0	11269	7036	2628	1685	1.60	AVB/MVV	D
	PCB 84 (BZ)	30:37	00:00	0	9776	7221	2327	1647	1.35	ABB/ABB	M
	PCB 89 (BZ)	31:05	00:00	0	10756	6554	2293	1248	1.64	ABB/ABV	D
	PCB 121 (BZ)	31:19	00:00	0	14737	8628	3707	1849	1.71	ABB/MVV	M
	PCB 92 (BZ)	31:47	00:00	0	10097	6520	2650	1357	1.55	MBB/ABB	D
	PCB 113 (BZ)	32:20	00:00	0	40003	27819	7250	4801	1.44	ABB/ABB	D
	PCB 101 (BZ)	32:21	00:00	0	0	0	0	0	0.00 *	/	
	PCB 90 (BZ)	32:21	00:00	0	0	0	0	0	0.00 *	/	
	PCB 83 (BZ)	32:50	00:00	0	0	0	0	0	0.00 *	/	
	PCB 99 (BZ)	32:55	00:00	0	20915	11533	4197	2371	1.81 *	ABV/ABB	RD

Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside comax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS0.5	Prep Batch		Lot No	
Data File	/20070313i/a070313i6.d	Prep Date		SDG No	
Analysis ID	96226	Prep Exp Date		Date Received	
Analysis Date	03/13/07 17:42	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	PCB 112 (BZ)	33:02	00:00	0	13129	9968	2964	2687	1.32 *	AVB/ABB	D
	PCB 109 (BZ)/108 (IUPAC	33:22	00:00	0	78922	48873	6169	4997	1.61	ABB/ABB	
	PCB 86 (BZ)	33:25	00:00	0	0	0	0	0	0.00 *	/	
	PCB 119 (BZ)	33:26	00:00	0	0	0	0	0	0.00 *	/	
	PCB 97 (BZ)	33:26	00:00	0	0	0	0	0	0.00 *	/	
	PCB 125 (BZ)	33:30	00:00	0	0	0	0	0	0.00 *	/	
	PCB 87 (BZ)	33:33	00:00	0	0	0	0	0	0.00 *	/	
	PCB 117 (BZ)	34:06	00:00	0	42056	25281	4156	2504	1.66	ABV/ABV	D
	PCB 116 (BZ)	34:10	00:00	0	0	0	0	0	0.00 *	/	
	PCB 85 (BZ)	34:10	00:00	0	0	0	0	0	0.00 *	/	
	PCB 110 (BZ)	34:17	00:00	0	0	0	0	0	0.00 *	/	
	PCB 115 (BZ)	34:23	00:00	0	31491	20198	6721	4898	1.56	AVB/MVB	D
	PCB 82 (BZ)	34:45	00:00	0	8451	5738	1856	1318	1.47	ABB/MVV	M
	PCB 111 (BZ)	34:58	00:00	0	16364	10441	3357	2505	1.57	ABB/ABB	D
	PCB 120 (BZ)	35:26	00:00	0	16084	8887	3620	1897	1.81 *	ABB/ABB	RD
	PCB 108 (BZ)/107 (IUPAC	36:36	00:00	0	0	0	0	0	0.00 *	/	
	PCB 124 (BZ)	36:39	00:00	0	45931	25512	10086	6053	1.80 *	ABV/MVV	RD
	PCB 107 (BZ)/109 (IUPAC	36:52	00:00	0	23777	15131	4676	3231	1.57	AVV/AVV	D
	PCB 123 (BZ)	37:00	00:00	0	24697	13908	5164	3449	1.78 *	AVV/AVV	
	PCB 106 (BZ)	37:07	00:00	0	19447	13439	4192	2615	1.45	AVB/AVB	
	PCB 118 (BZ)	37:18	00:00	0	22051	15820	4636	3619	1.39	MBB/ABB	
	PCB 122 (BZ)	37:43	00:00	0	21112	14210	4654	3499	1.49	ABV/ABV	M
	PCB 114 (BZ)	37:52	00:00	0	24192	17986	4962	3468	1.35	AVV/AVB	
	PCB 105 (BZ)	38:34	00:00	0	24609	14026	6097	3145	1.75	MBB/MVV	M
	PCB 127 (BZ)	39:56	00:00	0	22663	14431	4942	3398	1.57	MBB/MVV	
	PCB 126 (BZ)	41:37	00:00	0	23091	13880	4881	2886	1.66	MBB/MVV	M
338					337.9207	339.9178	337.9207	339.9178	1.32-1.78		
	Noise	00:00	00:00	0	228	198	91	79	1.15 *	/	
	13C12-PCB 104	26:27	00:00	0	2833392	1743568	658316	411003	1.63	ABV/ABV	D
	13C12-PCB 101	32:20	00:00	0	2185411	1356454	468956	290598	1.61	AVV/AVV	
	13C12-PCB 123	36:58	00:00	0	4030571	2525066	836081	517864	1.60	ABV/ABV	D
	13C12-PCB 118	37:18	00:00	0	4186891	2605151	869535	537057	1.61	AVV/AVV	D
	13C12-PCB 114	37:49	00:00	0	4087450	2553211	799267	517271	1.60	AVV/AVV	D
	13C12-PCB 105	38:33	00:00	0	3982960	2436987	820229	496611	1.63	ABV/ABV	M
	13C12-PCB 127	39:55	00:00	0	4230434	2661405	869338	551591	1.59	AVV/ABV	
	13C12-PCB 126	41:36	00:00	0	4069299	2584250	844065	530942	1.57	ABV/ABV	M
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	Noise	00:00	00:00	0	183	173	73	69	1.06	/	
	PCB 155 (BZ)	32:00	00:00	0	13845	10622	2760	2126	1.30	ABB/ABB	M
	PCB 152 (BZ)	32:22	00:00	0	11816	9447	2656	2352	1.25	ABV/ABV	
	PCB 150 (BZ)	32:29	00:00	0	11881	9668	2889	2131	1.23	AVB/AVB	
	PCB 136 (BZ)	32:57	00:00	0	11203	8051	2526	1602	1.39	MBV/MVV	M
	PCB 145 (BZ)	33:10	00:00	0	12818	9149	3159	1827	1.40	AVB/AVB	
	PCB 148 (BZ)	34:35	00:00	0	10186	6727	1968	1464	1.51 *	ABB/ABB	R

Notes:
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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS0.5	Prep Batch		Lot No	
Data File	/20070313i/a07031316.d	Prep Date		SDG No	
Analysis ID	96226	Prep Exp Date		Date Received	
Analysis Date	03/13/07 17:42	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	PCB 151 (BZ)	35:13	00:00	0	0	0	0	0	0.00 *	/	
	PCB 135 (BZ)	35:16	00:00	0	0	0	0	0	0.00 *	/	
	PCB 154 (BZ)	35:26	00:00	0	29748	23746	2574	2207	1.25	ABB/AVB	
	PCB 144 (BZ)	35:48	00:00	0	8404	7245	1933	1752	1.16	ABB/ABB	
	PCB 149 (BZ)	36:09	00:00	0	0	0	0	0	0.00 *	/	
	PCB 147 (BZ)	36:09	00:00	0	27734	23803	4820	4128	1.17	ABV/ABB	
	PCB 134 (BZ)	36:20	00:00	0	0	0	0	0	0.00 *	/	
	PCB 143 (BZ)	36:26	00:00	0	23636	18467	3115	2139	1.28	AVB/ABV	
	PCB 140 (BZ)	36:44	00:00	0	0	0	0	0	0.00 *	/	
	PCB 139 (BZ)	36:44	00:00	0	25807	24264	3933	3919	1.06	ABV/AVV	
	PCB 131 (BZ)	37:00	00:00	0	12118	10739	2731	1899	1.13	AVV/AVV	M
	PCB 142 (BZ)	37:08	00:00	0	12792	9431	2618	2120	1.36	AVB/AVB	
	PCB 132 (BZ)	37:32	00:00	0	11271	9441	2406	1763	1.19	ABB/ABB	M
	PCB 133 (BZ)	37:54	00:00	0	10049	9307	2446	1905	1.08	ABB/ABB	
	PCB 165 (BZ)	38:15	00:00	0	15451	11916	3202	2491	1.30	ABB/ABB	D
	PCB 146 (BZ)	38:31	00:00	0	13461	12022	3042	2846	1.12	ABV/ABV	D
	PCB 161 (BZ)	38:38	00:00	0	15810	13419	3087	2675	1.18	AVB/AVB	D
	PCB 153 (BZ)	39:09	00:00	0	32296	26823	5648	4443	1.20	ABB/ABB	D
	PCB 168 (BZ)	39:10	00:00	0	0	0	0	0	0.00 *	/	
	PCB 141 (BZ)	39:23	00:00	0	12708	8323	2378	2017	1.53 *	ABB/ABV	RM
	PCB 130 (BZ)	39:49	00:00	0	12918	9825	2855	2160	1.31	ABV/ABB	M
	PCB 137 (BZ)	39:59	00:00	0	13414	11696	2436	2859	1.15	AVV/ABV	D
	PCB 164 (BZ)	40:09	00:00	0	16395	13734	3127	2919	1.19	AVB/AVB	M
	PCB 138 (BZ)	40:20	00:00	0	0	0	0	0	0.00 *	/	
	PCB 163 (BZ)	40:21	00:00	0	0	0	0	0	0.00 *	/	
	PCB 129 (BZ)	40:27	00:00	0	58697	43612	6959	5043	1.35	ABB/ABB	
	PCB 158 (BZ)	40:48	00:00	0	19718	15108	4175	3049	1.31	ABB/ABB	M
	PCB 166 (BZ)	41:39	00:00	0	17586	15653	3584	3105	1.12	ABV/ABV	
	PCB 128 (BZ)	41:46	00:00	0	12650	9184	2669	1555	1.38	AVB/AVB	M
	PCB 159 (BZ)	42:37	00:00	0	16284	13471	3391	3505	1.21	ABB/ABB	
	PCB 162 (BZ)	42:54	00:00	0	17151	13665	3600	2474	1.26	ABB/ABB	
	PCB 167 (BZ)	43:22	00:00	0	18924	15180	3870	3191	1.25	ABB/ABB	
	PCB 156 (BZ)	44:28	00:00	0	0	0	0	0	0.00 *	/	
	PCB 157 (BZ)	44:33	00:00	0	39082	28287	4460	3423	1.38	ABB/ABB	
	PCB 169 (BZ)	47:47	00:00	0	20681	19332	4431	3960	1.07	ABB/ABB	M
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	Noise	00:00	00:00	0	213	208	85	83	1.02 *	/	
	13C12-PCB 155	32:00	00:00	0	2418529	1878109	534895	415008	1.29	ABV/ABV	M
	13C12-PCB 138	40:25	00:00	0	2645481	2076998	551337	433636	1.27	ABV/ABV	M
	13C12-PCB 167	43:21	00:00	0	3215860	2509168	649550	516920	1.28	AVV/AVV	
	13C12-PCB 156	44:36	00:00	0	6374937	5082087	696429	556929	1.25	ABV/AVV	M
	13C12-PCB 169	47:46	00:00	0	3068998	2381983	612668	478786	1.29	ABV/ABV	M
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	Noise	00:00	00:00	0	148	150	59	60	0.98	/	

Notes:
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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS0.5	Prep Batch		Lot No	
Data File	/20070313i/a07031316.d	Prep Date		SDG No	
Analysis ID	96226	Prep Exp Date		Date Received	
Analysis Date	03/13/07 17:42	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	PCB 188 (BZ)	37:45	00:00	0	14525	12812	2877	3625	1.13	ABB/ABB	
	PCB 179 (BZ)	38:12	00:00	0	12536	11345	2768	2981	1.10	ABB/ABB	M
	PCB 184 (BZ)	38:36	00:00	0	12145	11641	2795	2437	1.04	ABB/ABB	
	PCB 176 (BZ)	39:03	00:00	0	12460	12326	2467	2598	1.01	ABB/ABB	D
	PCB 186 (BZ)	39:32	00:00	0	13976	14097	3235	3190	0.99	ABB/ABB	M
	PCB 178 (BZ)	40:49	00:00	0	9958	9340	1848	1726	1.07	ABB/ABB	D
	PCB 175 (BZ)	41:26	00:00	0	9519	9381	2420	2453	1.01	ABB/ABB	D
	PCB 187 (BZ)	41:43	00:00	0	10717	10716	1864	2173	1.00	ABV/ABB	D
	PCB 182 (BZ)	41:55	00:00	0	9392	10125	2637	2486	0.93	AVB/ABB	D
	PCB 183 (BZ)	42:18	00:00	0	9837	8468	2203	1812	1.16	ABV/ABV	D
	PCB 185 (BZ)	42:27	00:00	0	9635	9286	2304	1857	1.04	AVV/AVV	D
	PCB 174 (BZ)	42:38	00:00	0	8831	9870	1867	2054	0.89	AVB/AVB	M
	PCB 177 (BZ)	43:05	00:00	0	9883	8166	1738	1710	1.21	ABB/ABB	M
	PCB 181 (BZ)	43:25	00:00	0	11944	10811	2382	2488	1.10	ABB/ABB	D
	PCB 173 (BZ)	43:34	00:00	0	0	0	0	0	0.00 *	/	
	PCB 171 (BZ)	43:41	00:00	0	18860	15898	4189	3500	1.19	ABB/ABB	M
	PCB 172 (BZ)	45:14	00:00	0	8401	9035	1864	1818	0.93	ABB/ABB	D
	PCB 192 (BZ)	45:31	00:00	0	12271	12445	2666	2160	0.99	ABB/ABB	D
	PCB 180 (BZ)	45:51	00:00	0	0	0	0	0	0.00 *	/	
	PCB 193 (BZ)	45:51	00:00	0	25678	24239	3709	4143	1.06	ABB/ABB	D
	PCB 191 (BZ)	46:14	00:00	0	12987	11408	2515	2357	1.14	ABB/ABB	D
	PCB 170 (BZ)	47:13	00:00	0	8763	8050	2068	1413	1.09	ABB/ABB	M
	PCB 190 (BZ)	47:43	00:00	0	13232	11126	3079	2234	1.19	ABB/ABB	M
	PCB 189 (BZ)	50:16	00:00	0	16866	16292	3430	3292	1.04	ABB/ABB	
406					405.8428	407.8398	405.8428	407.8398	0.89-1.21		
	Noise	00:00	00:00	0	190	178	76	71	1.07	/	
	13C12-PCB 188	37:44	00:00	0	2518310	2382590	526197	500482	1.06	ABV/ABV	D
	13C12-PCB 180	45:52	00:00	0	2101164	1928165	442899	396529	1.09	ABV/ABV	
	13C12-PCB 170	47:11	00:00	0	1704701	1587169	353024	322492	1.07	AVV/AVV	
	13C12-PCB 189	50:15	00:00	0	3297912	3151061	674229	654725	1.05	ABV/ABV	D
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	Noise	00:00	00:00	0	130	133	52	53	0.98	/	
	PCB 202 (BZ)	43:06	00:00	0	10453	11624	2311	2879	0.90	ABB/ABB	
	PCB 200 (BZ)/201 (IUPAC	44:01	00:00	0	10569	12273	2211	2785	0.86	ABB/ABB	
	PCB 204 (BZ)	44:40	00:00	0	10923	10704	2078	1984	1.02 *	ABB/ABB	
	PCB 197 (BZ)	44:54	00:00	0	10336	11690	2101	2776	0.88	ABB/ABV	
	PCB 199 (BZ)/200 (IUPAC	45:07	00:00	0	9476	9809	1951	2068	0.97	ABB/AVB	M
	PCB 198 (BZ)	47:47	00:00	0	0	0	0	0	0.00 *	/	
	PCB 201 (BZ)/199 (IUPAC	47:51	00:00	0	16571	16405	2198	2281	1.01	ABB/ABB	DT
	PCB 196 (BZ)	48:29	00:00	0	8162	7275	1574	1430	1.12 *	ABV/ABV	RD
	PCB 203 (BZ)	48:40	00:00	0	8653	11117	1546	2398	0.78	AVB/AVB	D
	PCB 195 (BZ)	50:03	00:00	0	9040	9884	1770	1929	0.91	ABB/ABB	
	PCB 194 (BZ)	52:22	00:00	0	10016	12085	2230	2406	0.83	MBB/ABB	
	PCB 205 (BZ)	52:48	00:00	0	13132	14437	2593	3082	0.91	ABB/ABB	

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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS0.5	Prep Batch		Lot No	
Data File	/20070313i/a070313i6.d	Prep Date		SDG No	
Analysis ID	96226	Prep Exp Date		Date Received	
Analysis Date	03/13/07 17:42	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
440					439.8038	441.8008	439.8038	441.8008	0.76-1.02		
	Noise	00:00	00:00	0	158	168	63	67	0.94	/	
	13C12-PCB 202	43:05	00:00	0	1893611	2081708	403510	441983	0.91	ABV/ABV	D
	13C12-PCB 194	52:19	00:00	0	1953961	2136222	392475	430225	0.91	ABV/ABV	
	13C12-PCB 205	52:47	00:00	0	2655070	2925953	540530	590112	0.91	AVV/AVV	
462					461.7246	463.7216	461.7246	463.7216	0.65-0.89		
	Noise	00:00	00:00	0	115	170	46	68	0.68	/	
	PCB 208 (BZ)	49:43	00:00	0	9403	14219	2068	3373	0.66	ABB/ABB	
	PCB 207 (BZ)	50:39	00:00	0	11850	14179	2186	2945	0.84	ABB/ABB	D
	PCB 206 (BZ)	54:30	00:00	0	8750	10641	1579	2180	0.82	ABB/ABB	
474					473.7648	475.7619	473.7648	475.7619	0.65-0.89		
	Noise	00:00	00:00	0	220	213	88	85	1.04 *	/	
	13C12-PCB 208	49:42	00:00	0	2066619	2587488	419030	517098	0.80	AVV/AVV	
	13C12-PCB 206	54:29	00:00	0	1465569	1823990	291859	359961	0.80	ABV/ABV	
496					495.6856	497.6826	495.6856	497.6826	0.59-0.79		
	Noise	00:00	00:00	0	108	130	43	52	0.83 *	/	
	PCB 209 (BZ)	56:07	00:00	0	7560	10926	1521	2679	0.69	MBB/MBB	
508					507.7258	509.7229	507.7258	509.7229	0.59-0.79		
	Noise	00:00	00:00	0	160	198	64	79	0.81 *	/	
	13C12-PCB 209	56:04	00:00	0	1509824	2207489	278063	403670	0.68	ABV/ABV	

Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside cemax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

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IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS1	Prep Batch		Lot No	
Data File	/20070313i/a070313i1.d	Prep Date		SDG No	
Analysis ID	96225	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	18:44	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
Total Monochlorobiphenyl		288501	108181	1.000		3.684537		3.684537		0.0287
13C12-PCB 1	12:11	7908337	2878042	1.000	100.0	134.537444	134.54	134.537444		0.0456
13C12-PCB 3	14:24	7757127	2713352	1.000	100.0	131.965044	131.97	131.965044		0.0456
PCB 1 (BZ)	12:12	96212	41445	1.000	1.000	1.216590	121.66	1.216590		0.00929
PCB 2 (BZ)	14:14	87766	30437	1.000	1.000	1.120503	112.05	1.120503		0.00957
PCB 3 (BZ)	14:25	104523	36299	1.000	1.000	1.347445	134.74	1.347445		0.00986
Total Dichlorobiphenyl		773719	210950	1.000		16.132204		16.132204		0.389
13C12-PCB 4	14:41	3606310	1222506	1.000	100.0	61.350917	61.35	61.350917		0.0409
13C12-PCB 9	16:38	5878168	1786453	1.000	100.0	100.000000	100.00	100.000000		0.0409
13C12-PCB 8				1.000	1.000			ND		0.0521
13C12-PCB 15	20:39	5992285	1578463	1.000	100.0	101.941370	101.94	101.941370		0.0409
PCB 4 (BZ)	14:42	42820	14093	1.000	1.000	1.187363	118.74	1.187363		0.0370
PCB 10 (BZ)	14:52	60394	19912	1.000	1.000	1.258393	125.84	1.258393		0.0323
PCB 9 (BZ)	16:39	70128	21071	1.000	1.000	1.461214	146.12	1.461214		0.0323
PCB 7 (BZ)	16:49	64728	17386	1.000	1.000	1.348697	134.87	1.348697		0.0323
PCB 6 (BZ)	17:06	69050	21415	1.000	1.000	1.438752	143.88	1.438752		0.0323
PCB 5 (BZ)	17:25	61804	17249	1.000	1.000	1.287772	128.78	1.287772		0.0323
PCB 8 (BZ)	17:32	68199	19987	1.000	1.000	1.421020	142.10	1.421020		0.0323
PCB 14 (BZ)	19:07	73810	19961	1.000	1.000	1.537933	153.79	1.537933		0.0323
PCB 11 (BZ)	20:02	67496	16325	1.000	1.000	1.406372	140.64	1.406372		0.0323
PCB 13 (BZ)	20:20	126719	24455	1.000	1.000	2.640366	264.04	2.640366	C12	0.0323
PCB 12 (BZ)	20:25			1.000	1.000			ND	C12	0.0323
PCB 15 (BZ)	20:40	68571	19096	1.000	1.000	1.144321	114.43	1.144321		0.0287
Total Trichlorobiphenyl		1550834	337698	1.000		30.354673		30.354673		0.799
13C12-PCB 19	17:52	2628225	743457	1.000	100.0	58.042685	58.04	58.042685		0.0895
13C12-PCB 32	21:07	4528090	1145720	1.000	100.0	100.000000	100.00	100.000000		0.0895
13C12-PCB 31	23:22	7714723	1853031	1.000	100.0	100.000000	100.00	100.000000		0.0553
13C12-PCB 28				1.000	1.000			ND		0.0553
13C12-PCB 37	27:44	6666130	1475684	1.000	100.0	86.407898	86.41	86.407898		0.0553
PCB 19 (BZ)	17:52	30014	8270	1.000	1.000	1.141987	114.20	1.141987		0.0498
PCB 30 (BZ)	19:36	48036	12129	1.000	1.000	1.827697	182.77	1.827697		0.0498
PCB 18 (BZ)	19:43	33634	8677	1.000	1.000	1.279723	127.97	1.279723		0.0498
PCB 17 (BZ)	20:09	34091	8543	1.000	1.000	1.297111	129.71	1.297111		0.0498
PCB 27 (BZ)	20:22	47296	11333	1.000	1.000	1.799542	179.95	1.799542		0.0498
PCB 24 (BZ)	20:30	41696	11429	1.000	1.000	1.586470	158.65	1.586470		0.0498
PCB 16 (BZ)	20:40	27968	7272	1.000	1.000	1.064140	106.41	1.064140		0.0498
PCB 32 (BZ)	21:08	44906	11949	1.000	1.000	1.708606	170.86	1.708606		0.0498
PCB 34 (BZ)	22:22	74744	19346	1.000	1.000	1.121250	112.13	1.121250		0.0251
PCB 23 (BZ)	22:29	77713	19511	1.000	1.000	1.165789	116.58	1.165789		0.0251
PCB 29 (BZ)	22:50	154914	37559	1.000	1.000	2.323897	232.39	2.323897	C26	0.0251
PCB 26 (BZ)	22:55			1.000	1.000			ND	C26	0.0251
PCB 25 (BZ)	23:04	86113	19479	1.000	1.000	1.291799	129.18	1.291799		0.0251
PCB 31 (BZ)	23:24	82309	20852	1.000	1.000	1.234734	123.47	1.234734		0.0251
PCB 28 (BZ)	23:41	155938	20047	1.000	1.000	2.339258	233.93	2.339258	C20	0.0251
PCB 20 (BZ)	23:46			1.000	1.000			ND	C20	0.0251
PCB 21 (BZ)	23:58	163106	21000	1.000	1.000	2.446787	244.68	2.446787	C21	0.0251
PCB 33 (BZ)	24:00			1.000	1.000			ND	C21	0.0251
PCB 22 (BZ)	24:22	74791	17435	1.000	1.000	1.121955	112.20	1.121955		0.0251
PCB 36 (BZ)	25:52	76542	16123	1.000	1.000	1.148222	114.82	1.148222		0.0251

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS1	Prep Batch		Lot No	
Data File	/20070313i/a07031311.d	Prep Date		SDG No	
Analysis ID	96225	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	18:44	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 39 (BZ)	26:15	78526	18049	1.000	1.000	1.177985	117.80	1.177985		0.0251
PCB 38 (BZ)	26:50	76308	16588	1.000	1.000	1.144712	114.47	1.144712		0.0251
PCB 35 (BZ)	27:20	68431	15629	1.000	1.000	1.026548	102.65	1.026548		0.0251
PCB 37 (BZ)	27:46	73758	16478	1.000	1.000	1.106459	110.65	1.106459		0.0251
Total Tetrachlorobiphenyl		2199262	430963	1.000		46.375744		46.375744	Q	1.71
13C12-PCB 54	21:00	2786142	712573	1.000	100.0	61.530182	61.53	61.530182		0.0338
13C12-PCB 52	25:30	3857652	924138	1.000	100.0	100.000000	100.00	100.000000		0.0419
13C12-PCB 79				1.000	1.000			ND		0.0383
13C12-PCB 81	34:28	4763556	1005398	1.000	100.0	123.483300	123.48	123.483300		0.0419
13C12-PCB 77	35:04	4829631	1015494	1.000	100.0	125.196130	125.20	125.196130		0.0419
PCB 54 (BZ)	21:02	34858	8577	1.000	1.000	1.251121	125.11	1.251121		0.0572
PCB 50 (BZ)	23:14			1.000	1.000			ND	C50	0.0403
PCB 53 (BZ)	23:09	89290	15645	1.000	1.000	1.861529	186.15	1.861529	C50	0.0403
PCB 45 (BZ)	23:51	84689	15126	1.000	1.000	1.765607	176.56	1.765607	C45	0.0403
PCB 51 (BZ)	23:55			1.000	1.000			ND	C45	0.0403
PCB 46 (BZ)	24:12	33848	7684	1.000	1.000	0.705667	70.57	0.705667		0.0403
PCB 52 (BZ)	25:31	46615	10773	1.000	1.000	0.971836	97.18	0.971836		0.0403
PCB 73 (BZ)	25:39	92183	13236	1.000	1.000	1.921843	192.18	1.921843	C43	0.0403
PCB 43 (BZ)	25:48			1.000	1.000			ND	C43	0.0403
PCB 69 (BZ)	25:55	50799	13645	1.000	1.000	1.059064	105.91	1.059064	Q	0.0403
PCB 49 (BZ)	26:01	46158	10799	1.000	1.000	0.962309	96.23	0.962309	Q	0.0403
PCB 48 (BZ)	26:18	40764	8852	1.000	1.000	0.849853	84.99	0.849853		0.0403
PCB 65 (BZ)	26:35			1.000	1.000			ND	C44	0.0403
PCB 47 (BZ)	26:36			1.000	1.000			ND	C44	0.0403
PCB 44 (BZ)	26:32	145309	22599	1.000	1.000	3.029421	302.94	3.029421	C44	0.0403
PCB 62 (BZ)	26:51	182370	20332	1.000	1.000	3.802073	380.21	3.802073	C59	0.0403
PCB 75 (BZ)	26:56			1.000	1.000			ND	C59	0.0403
PCB 59 (BZ)	26:52			1.000	1.000			ND	C59	0.0403
PCB 42 (BZ)	27:05	42237	10534	1.000	1.000	0.880562	88.06	0.880562		0.0403
PCB 41 (BZ)	27:29	32172	7289	1.000	1.000	0.670716	67.07	0.670716	Q	0.0403
PCB 71 (BZ)	27:35			1.000	1.000			ND	C40	0.0403
PCB 40 (BZ)	27:37	88364	15530	1.000	1.000	1.842224	184.22	1.842224	C40	0.0403
PCB 64 (BZ)	27:48	57676	12121	1.000	1.000	1.202437	120.24	1.202437		0.0403
PCB 72 (BZ)	28:32	57887	12750	1.000	1.000	1.206836	120.68	1.206836		0.0403
PCB 68 (BZ)	28:50	65663	13429	1.000	1.000	1.368951	136.90	1.368951		0.0403
PCB 57 (BZ)	29:16	59201	13247	1.000	1.000	1.234230	123.42	1.234230		0.0403
PCB 58 (BZ)	29:33	59850	13042	1.000	1.000	1.247761	124.78	1.247761		0.0403
PCB 67 (BZ)	29:41	60806	12981	1.000	1.000	1.267691	126.77	1.267691		0.0403
PCB 63 (BZ)	29:56	60774	13273	1.000	1.000	1.267024	126.70	1.267024		0.0403
PCB 61 (BZ)	30:10	58767	12017	1.000	1.000	1.225182	122.52	1.225182		0.0403
PCB 70 (BZ)	30:20	177010	34567	1.000	1.000	3.690327	369.03	3.690327	C70	0.0403
PCB 76 (BZ)	30:19			1.000	1.000			ND	C70	0.0403
PCB 74 (BZ)	30:23			1.000	1.000			ND	C70	0.0403
PCB 66 (BZ)	30:39	61336	13113	1.000	1.000	1.278741	127.87	1.278741		0.0403
PCB 55 (BZ)	30:50	55843	10837	1.000	1.000	1.164222	116.42	1.164222		0.0403
PCB 56 (BZ)	31:22	57111	12700	1.000	1.000	1.190657	119.07	1.190657		0.0403
PCB 60 (BZ)	31:34	58007	12338	1.000	1.000	1.209337	120.93	1.209337		0.0403
PCB 80 (BZ)	31:50	63034	13225	1.000	1.000	1.314141	131.41	1.314141		0.0403
PCB 79 (BZ)	33:26	64517	13242	1.000	1.000	1.345059	134.51	1.345059		0.0403

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS1	Prep Batch		Lot No	
Data File	/20070313i/a070313i1.d	Prep Date		SDG No	
Analysis ID	96225	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	18:44	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 78 (BZ)	34:01	57504	12192	1.000	1.000	1.198851	119.89	1.198851		0.0403
PCB 81 (BZ)	34:29	59904	13261	1.000	1.000	1.257548	125.75	1.257548		0.0405
PCB 77 (BZ)	35:05	54716	12007	1.000	1.000	1.132923	113.29	1.132923		0.0401
Total Pentachlorobiphenyl		1820356	339603	1.000		41.901430		41.901430	Q	1.81
13C12-PCB 104	26:26	3859503	912911	1.000	100.0	131.361802	131.36	131.361802		0.0719
13C12-PCB 95				1.000	1.000			ND		0.0501
13C12-PCB 101	32:19	2938071	636630	1.000	100.0	100.000000	100.00	100.000000		0.0719
13C12-PCB 111				1.000	1.000			ND		0.0719
13C12-PCB 123	36:58	5480937	1140822	1.000	100.0	93.592135	93.59	93.592135		0.0378
13C12-PCB 118	37:18	5776198	1167614	1.000	100.0	98.633993	98.63	98.633993		0.0378
13C12-PCB 114	37:49	5652065	1127969	1.000	100.0	96.514306	96.51	96.514306		0.0378
13C12-PCB 105	38:33	5451045	1118870	1.000	100.0	93.081701	93.08	93.081701		0.0378
13C12-PCB 127	39:55	5856194	1210557	1.000	100.0	100.000000	100.00	100.000000		0.0378
13C12-PCB 126	41:35	5711806	1153902	1.000	100.0	97.534440	97.53	97.534440		0.0378
PCB 104 (BZ)	26:27	44260	11184	1.000	1.000	1.146780	114.68	1.146780		0.0414
PCB 96 (BZ)	26:57	38175	9002	1.000	1.000	0.989117	98.91	0.989117		0.0414
PCB 103 (BZ)	28:44	32791	6944	1.000	1.000	0.849617	84.96	0.849617		0.0414
PCB 94 (BZ)	29:02	24929	5905	1.000	1.000	0.645912	64.59	0.645912		0.0414
PCB 95 (BZ)				1.000	1.000			ND		0.0414
PCB 100 (BZ)	29:29	63428	7753	1.000	1.000	1.643424	164.34	1.643424	C95	0.0414
PCB 93 (BZ)	29:40	24008	6208	1.000	1.000	0.622049	62.20	0.622049		0.0414
PCB 102 (BZ)	29:50	59922	8116	1.000	1.000	1.552583	155.26	1.552583	C98	0.0414
PCB 98 (BZ)	29:53			1.000	1.000			ND	C98	0.0414
PCB 88 (BZ)	30:11	23544	5322	1.000	1.000	0.610024	61.00	0.610024	Q	0.0414
PCB 91 (BZ)	30:20	31952	6921	1.000	1.000	0.827879	82.79	0.827879		0.0414
PCB 84 (BZ)	30:38	24267	5966	1.000	1.000	0.628760	62.88	0.628760		0.0414
PCB 89 (BZ)	31:04	26049	6147	1.000	1.000	0.674931	67.49	0.674931		0.0414
PCB 121 (BZ)	31:19	39037	8986	1.000	1.000	1.011451	101.15	1.011451		0.0414
PCB 92 (BZ)	31:46	29144	6673	1.000	1.000	0.755123	75.51	0.755123		0.0414
PCB 113 (BZ)	32:19	106856	19134	1.000	1.000	2.768647	276.86	2.768647	C90	0.0414
PCB 90 (BZ)	32:21			1.000	1.000			ND	C90	0.0414
PCB 101 (BZ)	32:21			1.000	1.000			ND	C90	0.0414
PCB 83 (BZ)	32:53	55939	10994	1.000	1.000	1.449384	144.94	1.449384	C83	0.0414
PCB 99 (BZ)	32:57			1.000	1.000			ND	C83	0.0414
PCB 112 (BZ)	33:02	43446	9004	1.000	1.000	1.125689	112.57	1.125689		0.0414
PCB 109 (BZ)/108 (IUPAC)	33:23	209453	18234	1.000	1.000	5.426942	542.69	5.426942	C86	0.0414
PCB 86 (BZ)	33:25			1.000	1.000			ND	C86	0.0414
PCB 119 (BZ)	33:26			1.000	1.000			ND	C86	0.0414
PCB 97 (BZ)	33:26			1.000	1.000			ND	C86	0.0414
PCB 125 (BZ)	33:30			1.000	1.000			ND	C86	0.0414
PCB 87 (BZ)	33:33			1.000	1.000			ND	C86	0.0414
PCB 117 (BZ)	34:04	107119	9955	1.000	1.000	2.775461	277.55	2.775461	C85	0.0414
PCB 116 (BZ)	34:09			1.000	1.000			ND	C85	0.0414
PCB 85 (BZ)	34:09			1.000	1.000			ND	C85	0.0414
PCB 110 (BZ)	34:17			1.000	1.000			ND	C110	0.0414
PCB 115 (BZ)	34:23	78869	17158	1.000	1.000	2.043501	204.35	2.043501	C110	0.0414
PCB 82 (BZ)	34:46	21219	5159	1.000	1.000	0.549786	54.98	0.549786		0.0414
PCB 111 (BZ)	34:58	41456	9956	1.000	1.000	1.074128	107.41	1.074128		0.0414
PCB 120 (BZ)	35:26	43929	9508	1.000	1.000	1.138204	113.82	1.138204		0.0414

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS1	Prep Batch		Lot No	
Data File	/20070313i/a070313i1.d	Prep Date		SDG No	
Analysis ID	96225	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	18:44	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 124 (BZ)	36:38	116306	23241	1.000	1.000	2.071562	207.16	2.071562	C108	0.0331
PCB 108 (BZ)/107 (IUPAC)	36:36			1.000	1.000			ND	C108	0.0331
PCB 107 (BZ)/109 (IUPAC)	36:52	55260	12141	1.000	1.000	0.984253	98.43	0.984253		0.0331
PCB 123 (BZ)	37:00	59255	14186	1.000	1.000	1.081111	108.11	1.081111		0.0331
PCB 106 (BZ)	37:07	54252	11796	1.000	1.000	0.966299	96.63	0.966299		0.0331
PCB 118 (BZ)	37:19	58377	12412	1.000	1.000	1.010647	101.06	1.010647		0.0323
PCB 122 (BZ)	37:43	56993	12499	1.000	1.000	1.015120	101.51	1.015120		0.0331
PCB 114 (BZ)	37:51	66605	13377	1.000	1.000	1.178419	117.84	1.178419		0.0335
PCB 105 (BZ)	38:35	66400	12752	1.000	1.000	1.218115	121.81	1.218115		0.0337
PCB 127 (BZ)	39:56	52958	10771	1.000	1.000	0.943258	94.33	0.943258	Q	0.0331
PCB 126 (BZ)	41:37	64158	12199	1.000	1.000	1.123252	112.33	1.123252		0.0327
Total Hexachlorobiphenyl		1733050	310157	1.000		38.274733		38.274733	Q	2.16
13C12-PCB 155	31:59	3605790	765236	1.000	100.0	122.726442	122.73	122.726442		0.0683
13C12-PCB 153				1.000	1.000			ND		0.0582
13C12-PCB 138	40:25	3949093	832124	1.000	100.0	100.000000	100.00	100.000000		0.0523
13C12-PCB 167	43:21	4891266	1008698	1.000	100.0	123.857959	123.86	123.857959		0.0523
13C12-PCB 156	44:36	9670947	1061162	1.000	200.0	244.890333	122.45	244.890333		0.0523
13C12-PCB 157	44:28			1.000				ND		0.0523
13C12-PCB 169	47:47	4680332	921412	1.000	100.0	118.516632	118.52	118.516632		0.0523
PCB 155 (BZ)	32:01	41709	8647	1.000	1.000	1.156723	115.67	1.156723		0.0500
PCB 152 (BZ)	32:22	34351	8011	1.000	1.000	0.952662	95.27	0.952662		0.0500
PCB 150 (BZ)	32:28	38122	8212	1.000	1.000	1.057244	105.72	1.057244		0.0500
PCB 136 (BZ)	32:58	34933	8078	1.000	1.000	0.968803	96.88	0.968803		0.0500
PCB 145 (BZ)	33:11	39864	9021	1.000	1.000	1.105555	110.56	1.105555		0.0500
PCB 148 (BZ)	34:35	25775	5853	1.000	1.000	0.714823	71.48	0.714823		0.0500
PCB 151 (BZ)	35:14	82682	7471	1.000	1.000	2.293034	229.30	2.293034	C135	0.0500
PCB 135 (BZ)	35:16			1.000	1.000			ND	C135	0.0500
PCB 154 (BZ)	35:28			1.000	1.000			ND	C135	0.0500
PCB 144 (BZ)	35:48	25388	5228	1.000	1.000	0.704094	70.41	0.704094	Q	0.0500
PCB 147 (BZ)	36:10	80695	14205	1.000	1.000	1.677429	167.74	1.677429	C147	0.0511
PCB 149 (BZ)	36:09			1.000	1.000			ND	C147	0.0511
PCB 134 (BZ)	36:19			1.000	1.000			ND	C134	0.0511
PCB 143 (BZ)	36:31	67381	7787	1.000	1.000	1.400667	140.07	1.400667	C134	0.0511
PCB 139 (BZ)	36:45	81644	12289	1.000	1.000	1.697156	169.72	1.697156	C139	0.0511
PCB 140 (BZ)	36:44			1.000	1.000			ND	C139	0.0511
PCB 131 (BZ)	37:00	34652	7231	1.000	1.000	0.720321	72.03	0.720321		0.0511
PCB 142 (BZ)	37:07	36529	6420	1.000	1.000	0.759338	75.93	0.759338		0.0511
PCB 132 (BZ)	37:31	35390	7252	1.000	1.000	0.735662	73.57	0.735662		0.0511
PCB 133 (BZ)	37:53	37920	7663	1.000	1.000	0.788253	78.83	0.788253		0.0511
PCB 165 (BZ)	38:16	44955	8826	1.000	1.000	0.934492	93.45	0.934492		0.0511
PCB 146 (BZ)	38:31	37029	10138	1.000	1.000	0.769741	76.97	0.769741	Q	0.0511
PCB 161 (BZ)	38:38	52358	11176	1.000	1.000	1.088380	108.84	1.088380		0.0511
PCB 153 (BZ)	39:09	99907	16384	1.000	1.000	2.076794	207.68	2.076794	C153	0.0511
PCB 168 (BZ)	39:10			1.000	1.000			ND	C153	0.0511
PCB 141 (BZ)	39:23	34991	7789	1.000	1.000	0.727367	72.74	0.727367		0.0511
PCB 130 (BZ)	39:48	32134	6823	1.000	1.000	0.667978	66.80	0.667978		0.0511
PCB 137 (BZ)	40:00	35608	7559	1.000	1.000	0.740193	74.02	0.740193		0.0511
PCB 164 (BZ)	40:09	50666	11471	1.000	1.000	1.053208	105.32	1.053208		0.0511
PCB 138 (BZ)	40:20			1.000	1.000			ND	C129	0.0511

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS1	Prep Batch		Lot No	
Data File	/20070313i/a070313i1.d	Prep Date		SDG No	
Analysis ID	96225	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	18:44	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 163 (BZ)	40:21			1.000	1.000			ND	C129	0.0511
PCB 129 (BZ)	40:26	177218	19874	1.000	1.000	3.683879	368.39	3.683879	C129	0.0511
PCB 160 (BZ)	40:32			1.000	1.000			ND	C129	0.0511
PCB 158 (BZ)	40:48	56638	11717	1.000	1.000	1.177349	117.73	1.177349		0.0511
PCB 166 (BZ)	41:39	53424	11735	1.000	1.000	1.110539	111.05	1.110539		0.0511
PCB 128 (BZ)	41:46	34241	7251	1.000	1.000	0.711783	71.18	0.711783	Q	0.0511
PCB 159 (BZ)	42:37	49704	10483	1.000	1.000	1.033211	103.32	1.033211		0.0511
PCB 162 (BZ)	42:54	51119	10260	1.000	1.000	1.062625	106.26	1.062625		0.0511
PCB 167 (BZ)	43:22	54211	10284	1.000	1.000	1.108322	110.83	1.108322		0.0379
PCB 156 (BZ)	44:37	107667	11978	1.000	2.000	2.226607	111.33	2.226607	C156	0.0721
PCB 157 (BZ)	44:30			1.000				ND	C156	0.0721
PCB 169 (BZ)	47:48	64144	13041	1.000	1.000	1.370501	137.05	1.370501		0.0415
Total Heptachlorobiphenyl		871530	184180	1.000		24.403497		24.403497		1.08
13C12-PCB 188	37:43	4163276	852910	1.000	100.0	121.791014	121.79	121.791014		0.0500
13C12-PCB 178				1.000	1.000			ND		0.0500
13C12-PCB 180	45:52	3418377	699695	1.000	100.0	100.000000	100.00	100.000000		0.0500
13C12-PCB 170	47:12	2818710	567166	1.000	100.0	82.457552	82.46	82.457552		0.0500
13C12-PCB 189	50:15	5398441	1077482	1.000	100.0	160.484667	160.48	160.484667		0.0514
PCB 188 (BZ)	37:45	43850	9605	1.000	1.000	1.053257	105.33	1.053257		0.0378
PCB 179 (BZ)	38:12	41947	9497	1.000	1.000	1.201578	120.16	1.201578		0.0454
PCB 184 (BZ)	38:36	40064	8447	1.000	1.000	1.147639	114.76	1.147639		0.0454
PCB 176 (BZ)	39:03	41906	9328	1.000	1.000	1.200403	120.04	1.200403		0.0454
PCB 186 (BZ)	39:31	39898	8373	1.000	1.000	1.142884	114.29	1.142884		0.0454
PCB 178 (BZ)	40:49	31048	6605	1.000	1.000	0.889374	88.94	0.889374		0.0454
PCB 175 (BZ)	41:27	32369	6702	1.000	1.000	0.927215	92.72	0.927215		0.0454
PCB 187 (BZ)	41:43	34729	8370	1.000	1.000	0.994817	99.48	0.994817		0.0454
PCB 182 (BZ)	41:54	33582	7083	1.000	1.000	0.961961	96.20	0.961961		0.0454
PCB 183 (BZ)	42:19	33362	8719	1.000	1.000	0.955659	95.57	0.955659		0.0454
PCB 185 (BZ)	42:28	33376	6765	1.000	1.000	0.956060	95.61	0.956060		0.0454
PCB 174 (BZ)	42:39	32995	6764	1.000	1.000	0.945147	94.51	0.945147		0.0454
PCB 177 (BZ)	43:04	29601	6460	1.000	1.000	0.847925	84.79	0.847925		0.0454
PCB 181 (BZ)	43:25	29927	6725	1.000	1.000	0.857263	85.73	0.857263		0.0454
PCB 171 (BZ)	43:41	53828	11508	1.000	1.000	1.541911	154.19	1.541911	C171	0.0454
PCB 173 (BZ)	43:34			1.000	1.000			ND	C171	0.0454
PCB 172 (BZ)	45:15	28388	7079	1.000	1.000	0.813178	81.32	0.813178		0.0454
PCB 192 (BZ)	45:30	40484	8044	1.000	1.000	1.159670	115.97	1.159670		0.0454
PCB 193 (BZ)	45:51	77714	12835	1.000	1.000	2.226129	222.61	2.226129	C180	0.0454
PCB 180 (BZ)	45:51			1.000	1.000			ND	C180	0.0454
PCB 191 (BZ)	46:16	41425	8723	1.000	1.000	1.186625	118.66	1.186625		0.0454
PCB 170 (BZ)	47:13	31511	6009	1.000	1.000	1.117923	111.79	1.117923		0.0569
PCB 190 (BZ)	47:42	42808	8116	1.000	1.000	1.226241	122.62	1.226241		0.0454
PCB 189 (BZ)	50:16	56718	12423	1.000	1.000	1.050637	105.06	1.050637		0.0299
Total Octachlorobiphenyl		404605	76339	1.000		11.095071		11.095071		0.449
13C12-PCB 202	43:05	3315065	688880	1.000	100.0	96.977747	96.98	96.977747		0.0529
13C12-PCB 194	52:19	3363836	681049	1.000	100.0	100.000000	100.00	100.000000		0.0543
13C12-PCB 205	52:47	4765574	959678	1.000	100.0	141.670819	141.67	141.670819		0.0543
PCB 202 (BZ)	43:08	31856	5959	1.000	1.000	0.960946	96.09	0.960946		0.0403
PCB 200 (BZ)/201 (IUPAC)	44:01	36953	6945	1.000	1.000	1.114699	111.47	1.114699		0.0403
PCB 204 (BZ)	44:38	36049	7430	1.000	1.000	1.087430	108.74	1.087430		0.0403

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS1	Prep Batch		Lot No	
Data File	/20070313i/a070313i1.d	Prep Date		SDG No	
Analysis ID	96225	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	18:44	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 197 (BZ)	44:54	35990	7896	1.000	1.000	1.085650	108.56	1.085650		0.0403
PCB 199 (BZ)/200 (IUPAC)	45:06	36472	7399	1.000	1.000	1.100190	110.02	1.100190		0.0403
PCB 198 (BZ)	47:49	50297	5968	1.000	1.000	1.517225	151.72	1.517225	C198	0.0403
PCB 201 (BZ)/199 (IUPAC)	47:49			1.000	1.000			ND	C198	0.0403
PCB 196 (BZ)	48:28	26848	5417	1.000	1.000	0.809879	80.99	0.809879		0.0403
PCB 203 (BZ)	48:40	29248	6155	1.000	1.000	0.882275	88.23	0.882275		0.0403
PCB 195 (BZ)	50:03	34495	6867	1.000	1.000	0.723837	72.38	0.723837		0.0289
PCB 194 (BZ)	52:20	40072	7551	1.000	1.000	0.840864	84.09	0.840864		0.0289
PCB 205 (BZ)	52:49	46325	8752	1.000	1.000	0.972076	97.21	0.972076		0.0289
Total Nonachlorobiphenyl		107827	22430	1.000		3.259451		3.259451		0.132
13C12-PCB 208	49:43	3875404	782036	1.000	100.0	115.207876	115.21	115.207876		0.0580
13C12-PCB 206	54:29	2751506	552118	1.000	100.0	81.796675	81.80	81.796675		0.0580
PCB 208 (BZ)	49:44	39786	8481	1.000	1.000	1.026628	102.66	1.026628		0.0368
PCB 207 (BZ)	50:39	38944	8266	1.000	1.000	1.175329	117.53	1.175329		0.0431
PCB 206 (BZ)	54:32	29097	5683	1.000	1.000	1.057494	105.75	1.057494		0.0521
13C12-PCB 209	56:04	3045534	564445	1.000	100.0	90.537529	90.54	90.537529		0.0455
PCB 209 (BZ)	56:07	30119	5512	1.000	1.000	0.988956	98.90	0.988956		0.0337

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS1	Prep Batch		Lot No	
Data File	/20070313i/a070313i1.d	Prep Date		SDG No	
Analysis ID	96225	Prep Exp Date		Date Received	
Analysis Date	03/13/07 18:44	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
188					188.0393	190.0363	188.0393	190.0363	2.66-3.60		
	Noise	00:00	00:00	0	125	143	50	57	0.88 *	/	
	PCB 1 (BZ)	12:12	00:00	0	74696	21516	32352	9093	3.47	AVB/ABB	M
	PCB 2 (BZ)	14:14	00:00	0	66534	21232	23005	7432	3.13	ABV/ABV	
	PCB 3 (BZ)	14:25	00:00	0	76949	27574	26722	9577	2.79	AVB/AVB	
200					200.0795	202.0766	200.0795	202.0766	2.66-3.60		
	Noise	00:00	00:00	0	385	430	154	172	0.90 *	/	
	13C12-PCB 1	12:11	00:00	0	6015859	1892478	2166158	711884	3.18	AVV/AVV	
	13C12-PCB 3	14:24	00:00	0	5925314	1831813	2062109	651243	3.23	ABV/AVV	
222					222.0003	223.9974	222.0003	223.9974	1.33-1.79		
	Noise	00:00	00:00	0	180	273	72	109	0.66 *	/	
	PCB 4 (BZ)	14:42	00:00	0	25555	17265	8787	5306	1.48	ABB/MVV	
	PCB 10 (BZ)	14:52	00:00	0	37060	23334	11817	8095	1.59	ABB/ABB	
	PCB 9 (BZ)	16:39	00:00	0	42083	28045	12868	8203	1.50	ABB/ABV	M
	PCB 7 (BZ)	16:49	00:00	0	38402	26326	10653	6733	1.46	ABB/MVV	D
	PCB 6 (BZ)	17:06	00:00	0	43305	25745	13667	7748	1.68	ABB/MVV	
	PCB 5 (BZ)	17:25	00:00	0	37596	24208	10250	6999	1.55	ABV/MVV	
	PCB 8 (BZ)	17:32	00:00	0	40972	27227	12981	7006	1.50	AVB/MVV	
	PCB 14 (BZ)	19:07	00:00	0	44224	29586	11809	8152	1.49	ABB/ABB	M
	PCB 11 (BZ)	20:02	00:00	0	42421	25075	10304	6021	1.69	ABB/MVV	
	PCB 13 (BZ)	20:20	00:00	0	74831	51888	13642	10813	1.44	MBB/MVV	
	PCB 12 (BZ)	20:25	00:00	0	0	0	0	0	0.00 *	/	
	PCB 15 (BZ)	20:40	00:00	0	42895	25676	12304	6792	1.67	ABB/ABB	
234					234.0406	236.0376	234.0406	236.0376	1.33-1.79		
	Noise	00:00	00:00	0	518	213	207	85	2.44 *	/	
	13C12-PCB 4	14:41	00:00	0	2224030	1382280	749932	472574	1.61	AVV/AVV	
	13C12-PCB 9	16:38	00:00	0	3617481	2260687	1094924	691529	1.60	AVV/AVV	
	13C12-PCB 15	20:39	00:00	0	3683221	2309064	965409	613054	1.60	AVV/ABV	
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	Noise	00:00	00:00	0	205	165	82	66	1.24 *	/	
	PCB 19 (BZ)	17:52	00:00	0	15747	14267	4257	4013	1.10	MBB/ABB	
	PCB 30 (BZ)	19:36	00:00	0	25719	22317	6616	5513	1.15	ABV/ABV	M
	PCB 18 (BZ)	19:43	00:00	0	15699	17935	4202	4475	0.88	AVB/AVB	M
	PCB 17 (BZ)	20:09	00:00	0	16966	17125	3984	4559	0.99	ABB/ABB	
	PCB 27 (BZ)	20:22	00:00	0	25029	22267	5995	5338	1.12	MBV/ABV	
	PCB 24 (BZ)	20:30	00:00	0	21255	20441	6231	5198	1.04	AVV/AVB	
	PCB 16 (BZ)	20:40	00:00	0	14401	13567	3225	4047	1.06	AVB/ABB	D
	PCB 32 (BZ)	21:08	00:00	0	23522	21384	6234	5715	1.10	ABB/ABB	
	PCB 34 (BZ)	22:22	00:00	0	39873	34871	10097	9249	1.14	ABV/ABV	M
	PCB 23 (BZ)	22:29	00:00	0	41195	36518	10574	8937	1.13	MVB/AVB	DM
	PCB 29 (BZ)	22:50	00:00	0	80019	74895	19423	18136	1.07	ABB/ABB	M
	PCB 26 (BZ)	22:55	00:00	0	0	0	0	0	0.00 *	/	
	PCB 25 (BZ)	23:04	00:00	0	41738	44375	8810	10669	0.94	ABB/ABV	D
	PCB 31 (BZ)	23:24	00:00	0	41541	40768	10985	9867	1.02	MBB/MVV	D

Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside cemax limit O = peak outside RT window W = peak outside first/last X = peak has dup match

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IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS1	Prep Batch		Lot No	
Data File	/20070313i/a070313i1.d	Prep Date		SDG No	
Analysis ID	96225	Prep Exp Date		Date Received	
Analysis Date	03/13/07 18:44	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	PCB 28 (BZ)	23:41	00:00	0	80410	75528	10547	9500	1.06	ABV/ABV	D
	PCB 20 (BZ)	23:46	00:00	0	0	0	0	0	0.00 *	/	
	PCB 21 (BZ)	23:58	00:00	0	87244	75862	11010	9990	1.15	AVB/AVB	
	PCB 33 (BZ)	24:00	00:00	0	0	0	0	0	0.00 *	/	
	PCB 22 (BZ)	24:22	00:00	0	38726	36065	9493	7942	1.07	ABB/ABB	D
	PCB 36 (BZ)	25:52	00:00	0	38489	38053	8089	8034	1.01	ABB/ABB	M
	PCB 39 (BZ)	26:15	00:00	0	40500	38026	9569	8480	1.07	ABB/ABB	D
	PCB 38 (BZ)	26:50	00:00	0	41121	35187	9352	7236	1.17	ABB/ABB	D
	PCB 35 (BZ)	27:20	00:00	0	33572	34859	7968	7661	0.96	ABB/ABB	
	PCB 37 (BZ)	27:46	00:00	0	37494	36264	8449	8029	1.03	ABB/ABB	
268					268.0016	269.9986	268.0016	269.9986	0.88-1.20		
	Noise	00:00	00:00	0	658	368	263	147	1.79 *	/	
	13C12-PCB 19	17:52	00:00	0	1345163	1283062	387780	355677	1.05	AVV/AVV	
	13C12-PCB 32	21:07	00:00	0	2343706	2184384	589782	555938	1.07	AVV/AVV	
	13C12-PCB 31	23:22	00:00	0	4009936	3704787	961431	891600	1.08	ABV/ABV	
	13C12-PCB 37	27:44	00:00	0	3442422	3223708	772477	703207	1.07	ABV/ABV	
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	Noise	00:00	00:00	0	193	215	77	86	0.90 *	/	
	PCB 54 (BZ)	21:02	00:00	0	15303	19555	3958	4619	0.78	ABB/ABB	
	PCB 53 (BZ)	23:09	00:00	0	40126	49164	7178	8467	0.82	ABB/ABB	
	PCB 50 (BZ)	23:14	00:00	0	0	0	0	0	0.00 *	/	
	PCB 45 (BZ)	23:51	00:00	0	38136	46553	6706	8420	0.82	ABB/ABB	
	PCB 51 (BZ)	23:55	00:00	0	0	0	0	0	0.00 *	/	
	PCB 46 (BZ)	24:12	00:00	0	14406	19442	3546	4138	0.74	ABB/ABB	D
	PCB 52 (BZ)	25:31	00:00	0	21082	25533	4232	6541	0.83	ABV/ABV	D
	PCB 73 (BZ)	25:39	00:00	0	41242	50941	6049	7187	0.81	AVV/AVV	M
	PCB 43 (BZ)	25:48	00:00	0	0	0	0	0	0.00 *	/	
	PCB 69 (BZ)	25:55	00:00	0	22099	34555	5936	7492	0.64 *	AVV/AVV	RM
	PCB 49 (BZ)	26:01	00:00	0	24251	26078	5332	6101	0.93 *	AVB/AVB	RM
	PCB 48 (BZ)	26:18	00:00	0	16801	23963	3692	5160	0.70	ABV/ABB	D
	PCB 44 (BZ)	26:32	00:00	0	64600	80709	10365	12234	0.80	AVV/ABV	
	PCB 65 (BZ)	26:35	00:00	0	0	0	0	0	0.00 *	/	
	PCB 47 (BZ)	26:36	00:00	0	0	0	0	0	0.00 *	/	
	PCB 62 (BZ)	26:51	00:00	0	79126	103244	9077	11255	0.77	AVB/AVV	
	PCB 59 (BZ)	26:52	00:00	0	0	0	0	0	0.00 *	/	
	PCB 75 (BZ)	26:56	00:00	0	0	0	0	0	0.00 *	/	
	PCB 42 (BZ)	27:05	00:00	0	18845	23392	4952	5582	0.81	ABB/AVB	D
	PCB 41 (BZ)	27:29	00:00	0	16460	18176	4167	4118	0.91 *	ABV/ABV	R
	PCB 71 (BZ)	27:35	00:00	0	0	0	0	0	0.00 *	/	
	PCB 40 (BZ)	27:37	00:00	0	40362	48002	7461	8069	0.84	AVV/AVV	D
	PCB 64 (BZ)	27:48	00:00	0	25496	32180	5348	6773	0.79	AVB/AVB	D
	PCB 72 (BZ)	28:32	00:00	0	26842	31045	5835	6915	0.86	ABV/ABV	M
	PCB 68 (BZ)	28:50	00:00	0	26823	38840	5145	8284	0.69	AVB/AVV	M
	PCB 57 (BZ)	29:16	00:00	0	24692	34509	5619	7628	0.72	ABB/ABB	M

Notes:
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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS1	Prep Batch		Lot No	
Data File	/20070313i/a070313i1.d	Prep Date		SDG No	
Analysis ID	96225	Prep Exp Date		Date Received	
Analysis Date	03/13/07 18:44	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	PCB 58 (BZ)	29:33	00:00	0	26242	33608	5932	7110	0.78	ABV/ABV	
	PCB 67 (BZ)	29:41	00:00	0	27497	33309	6248	6733	0.83	MVV/AVB	
	PCB 63 (BZ)	29:56	00:00	0	26607	34167	5655	7618	0.78	AVB/MVV	
	PCB 61 (BZ)	30:10	00:00	0	27398	31369	5860	6157	0.87	ABV/ABV	M
	PCB 76 (BZ)	30:19	00:00	0	0	0	0	0	0.00 *	/	
	PCB 70 (BZ)	30:20	00:00	0	78850	98160	14709	19858	0.80	AVB/AVB	
	PCB 74 (BZ)	30:23	00:00	0	0	0	0	0	0.00 *	/	
	PCB 66 (BZ)	30:39	00:00	0	27150	34186	5686	7427	0.79	ABB/ABV	
	PCB 55 (BZ)	30:50	00:00	0	24294	31549	4894	5943	0.77	ABB/AVB	
	PCB 56 (BZ)	31:22	00:00	0	25773	31338	5538	7162	0.82	ABB/ABB	
	PCB 60 (BZ)	31:34	00:00	0	26391	31616	6010	6328	0.83	ABB/ABB	
	PCB 80 (BZ)	31:50	00:00	0	29356	33678	6117	7108	0.87	ABV/ABB	
	PCB 79 (BZ)	33:26	00:00	0	27874	36643	6052	7190	0.76	ABV/ABV	
	PCB 78 (BZ)	34:01	00:00	0	25140	32364	6060	6132	0.78	MBB/MVV	
	PCB 81 (BZ)	34:29	00:00	0	26140	33764	5668	7593	0.77	MVB/AVB	
	PCB 77 (BZ)	35:05	00:00	0	23104	31612	5120	6887	0.73	ABB/ABB	M
302					301.9626	303.9597	301.9626	303.9597	0.65-0.89		
	Noise	00:00	00:00	0	195	193	78	77	1.01 *	/	
	13C12-PCB 54	21:00	00:00	0	1238535	1547607	311971	400602	0.80	ABV/ABV	
	13C12-PCB 52	25:30	00:00	0	1718300	2139352	408844	515294	0.80	ABV/ABV	
	13C12-PCB 81	34:28	00:00	0	2129596	2633960	448599	556799	0.81	ABV/ABV	M
	13C12-PCB 77	35:04	00:00	0	2137766	2691865	446705	568789	0.79	ABV/ABV	M
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	Noise	00:00	00:00	0	198	180	79	72	1.10 *	/	
	PCB 104 (BZ)	26:27	00:00	0	26501	17759	6409	4775	1.49	ABB/ABB	
	PCB 96 (BZ)	26:57	00:00	0	23385	14790	5481	3521	1.58	ABB/ABB	D
	PCB 103 (BZ)	28:44	00:00	0	18976	13815	3904	3040	1.37	ABB/ABB	M
	PCB 94 (BZ)	29:02	00:00	0	14287	10642	3449	2456	1.34	ABB/ABB	D
	PCB 100 (BZ)	29:29	00:00	0	38635	24793	4703	3050	1.56	MBV/MVV	DM
	PCB 93 (BZ)	29:40	00:00	0	15186	8822	3859	2349	1.72	MVV/MVV	DXM
	PCB 102 (BZ)	29:50	00:00	0	35424	24498	4484	3632	1.45	AVB/AVB	D
	PCB 98 (BZ)	29:53	00:00	0	0	0	0	0	0.00 *	/	
	PCB 88 (BZ)	30:11	00:00	0	14311	11593	3235	2327	1.23 *	MBV/ABV	R
	PCB 91 (BZ)	30:20	00:00	0	20010	11942	4241	2680	1.68	AVB/AVB	D
	PCB 84 (BZ)	30:38	00:00	0	14262	10005	3607	2359	1.43	ABB/ABB	M
	PCB 89 (BZ)	31:04	00:00	0	16669	9380	3836	2311	1.78 *	ABB/ABB	D
	PCB 121 (BZ)	31:19	00:00	0	23169	15868	5475	3511	1.46	MBB/ABB	M
	PCB 92 (BZ)	31:46	00:00	0	17490	11654	4157	2516	1.50	ABB/ABB	D
	PCB 113 (BZ)	32:19	00:00	0	67224	39632	12050	7084	1.70	ABB/ABB	D
	PCB 101 (BZ)	32:21	00:00	0	0	0	0	0	0.00 *	/	
	PCB 90 (BZ)	32:21	00:00	0	0	0	0	0	0.00 *	/	
	PCB 83 (BZ)	32:53	00:00	0	33908	22031	6497	4497	1.54	ABV/ABV	D
	PCB 99 (BZ)	32:57	00:00	0	0	0	0	0	0.00 *	/	
	PCB 112 (BZ)	33:02	00:00	0	26724	16722	5515	3489	1.60	AVB/AVB	D

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STL - Knoxville

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PCB's by EPA Method 1668A

IsoCalc

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Analysis ID	96225	Prep Exp Date		Date Received	
Analysis Date	03/13/07 18:44	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	PCB 109 (BZ)/108 (IUPAC	33:23	00:00	0	126745	82708	11181	7053	1.53	ABB/ABB	D
	PCB 86 (BZ)	33:25	00:00	0	0	0	0	0	0.00 *	/	
	PCB 119 (BZ)	33:26	00:00	0	0	0	0	0	0.00 *	/	
	PCB 97 (BZ)	33:26	00:00	0	0	0	0	0	0.00 *	/	
	PCB 125 (BZ)	33:30	00:00	0	0	0	0	0	0.00 *	/	
	PCB 87 (BZ)	33:33	00:00	0	0	0	0	0	0.00 *	/	
	PCB 117 (BZ)	34:04	00:00	0	66994	40125	6179	3776	1.67	ABB/ABB	D
	PCB 116 (BZ)	34:09	00:00	0	0	0	0	0	0.00 *	/	
	PCB 85 (BZ)	34:09	00:00	0	0	0	0	0	0.00 *	/	
	PCB 110 (BZ)	34:17	00:00	0	0	0	0	0	0.00 *	/	
	PCB 115 (BZ)	34:23	00:00	0	49475	29394	10521	6637	1.68	ABB/ABB	D
	PCB 82 (BZ)	34:46	00:00	0	12470	8749	2680	2479	1.43	MBB/ABB	M
	PCB 111 (BZ)	34:58	00:00	0	25325	16131	6634	3322	1.57	ABB/ABB	D
	PCB 120 (BZ)	35:26	00:00	0	27229	16700	5667	3841	1.63	MBB/MBB	D
	PCB 108 (BZ)/107 (IUPAC	36:36	00:00	0	0	0	0	0	0.00 *	/	
	PCB 124 (BZ)	36:38	00:00	0	69505	46801	14285	8956	1.49	ABB/ABB	D
	PCB 107 (BZ)/109 (IUPAC	36:52	00:00	0	33868	21392	7910	4231	1.58	MBV/ABV	D
	PCB 123 (BZ)	37:00	00:00	0	34352	24903	7778	6408	1.38	MVV/AVV	
	PCB 106 (BZ)	37:07	00:00	0	34463	19789	7712	4084	1.74	AVV/AVB	
	PCB 118 (BZ)	37:19	00:00	0	36011	22366	7859	4553	1.61	AVB/ABB	
	PCB 122 (BZ)	37:43	00:00	0	36528	20465	7901	4598	1.78 *	ABV/ABV	M
	PCB 114 (BZ)	37:51	00:00	0	41191	25414	8778	4599	1.62	AVV/AVV	
	PCB 105 (BZ)	38:35	00:00	0	41386	25014	7325	5427	1.65	ABB/ABB	M
	PCB 127 (BZ)	39:56	00:00	0	38816	20768	7971	4224	1.87 *	AVV/AVV	R
	PCB 126 (BZ)	41:37	00:00	0	39979	24179	7590	4609	1.65	AVV/AVV	M
338					337.9207	339.9178	337.9207	339.9178	1.32-1.78		
	Noise	00:00	00:00	0	270	188	108	75	1.44	/	
	13C12-PCB 104	26:26	00:00	0	2374571	1484932	562459	350452	1.60	ABV/ABV	D
	13C12-PCB 101	32:19	00:00	0	1812042	1126029	392670	243960	1.61	AVV/AVV	
	13C12-PCB 123	36:58	00:00	0	3374741	2106196	700573	440249	1.60	ABV/ABV	D
	13C12-PCB 118	37:18	00:00	0	3558474	2217724	722980	444634	1.60	AVV/AVV	D
	13C12-PCB 114	37:49	00:00	0	3501539	2150526	695378	432591	1.63	AVV/AVV	D
	13C12-PCB 105	38:33	00:00	0	3346794	2104251	692079	426791	1.59	ABV/ABV	M
	13C12-PCB 127	39:55	00:00	0	3596713	2259481	741354	469203	1.59	ABV/ABV	
	13C12-PCB 126	41:35	00:00	0	3526857	2184949	711382	442520	1.61	ABV/AVV	M
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	Noise	00:00	00:00	0	213	170	85	68	1.25	/	
	PCB 155 (BZ)	32:01	00:00	0	23863	17846	5112	3535	1.34	ABB/ABB	M
	PCB 152 (BZ)	32:22	00:00	0	19348	15003	4824	3187	1.29	ABV/ABV	
	PCB 150 (BZ)	32:28	00:00	0	20825	17297	4656	3556	1.20	AVB/AVB	
	PCB 136 (BZ)	32:58	00:00	0	19419	15514	4830	3248	1.25	ABB/ABB	M
	PCB 145 (BZ)	33:11	00:00	0	21454	18410	5006	4015	1.17	ABB/ABB	
	PCB 148 (BZ)	34:35	00:00	0	14560	11215	3246	2607	1.30	ABB/ABB	
	PCB 151 (BZ)	35:14	00:00	0	46033	36649	4080	3391	1.26	ABV/ABB	T

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STL - Knoxville

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IsoCalc

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Data File	/20070313i/a070313il.d	Prep Date		SDG No	
Analysis ID	96225	Prep Exp Date		Date Received	
Analysis Date	03/13/07 18:44	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	PCB 135 (BZ)	35:16	00:00	0	0	0	0	0	0.00 *	/	
	PCB 154 (BZ)	35:28	00:00	0	0	0	0	0	0.00 *	/	
	PCB 144 (BZ)	35:48	00:00	0	16290	11334	3818	2334	1.44 *	ABB/ABB	R
	PCB 149 (BZ)	36:09	00:00	0	0	0	0	0	0.00 *	/	
	PCB 147 (BZ)	36:10	00:00	0	46048	34647	8033	6172	1.33	ABV/ABB	
	PCB 134 (BZ)	36:19	00:00	0	0	0	0	0	0.00 *	/	
	PCB 143 (BZ)	36:31	00:00	0	37464	29917	4570	3217	1.25	AVV/ABV	N
	PCB 140 (BZ)	36:44	00:00	0	0	0	0	0	0.00 *	/	
	PCB 139 (BZ)	36:45	00:00	0	45207	36437	6710	5579	1.24	AVB/AVB	
	PCB 131 (BZ)	37:00	00:00	0	19605	15047	4073	3158	1.30	ABV/ABV	M
	PCB 142 (BZ)	37:07	00:00	0	19638	16891	3638	2782	1.16	AVB/AVB	
	PCB 132 (BZ)	37:31	00:00	0	19135	16255	3904	3348	1.18	ABB/ABB	N
	PCB 133 (BZ)	37:53	00:00	0	21032	16888	4416	3247	1.25	AVB/ABB	
	PCB 165 (BZ)	38:16	00:00	0	25343	19612	5012	3814	1.29	MBB/ABB	D
	PCB 146 (BZ)	38:31	00:00	0	25080	16531	5772	4526	1.52 *	ABV/ABV	RD
	PCB 161 (BZ)	38:38	00:00	0	29997	22361	6230	4946	1.34	AVB/AVB	D
	PCB 153 (BZ)	39:09	00:00	0	55038	44869	8365	8019	1.23	ABV/ABB	D
	PCB 168 (BZ)	39:10	00:00	0	0	0	0	0	0.00 *	/	
	PCB 141 (BZ)	39:23	00:00	0	19222	15769	4664	3125	1.22	AVB/ABB	M
	PCB 130 (BZ)	39:48	00:00	0	18344	13790	3725	3098	1.33	ABV/ABV	M
	PCB 137 (BZ)	40:00	00:00	0	19716	15892	4365	3194	1.24	MVV/AVV	D
	PCB 164 (BZ)	40:09	00:00	0	27413	23253	5976	5495	1.18	MVB/AVB	M
	PCB 138 (BZ)	40:20	00:00	0	0	0	0	0	0.00 *	/	
	PCB 163 (BZ)	40:21	00:00	0	0	0	0	0	0.00 *	/	
	PCB 129 (BZ)	40:26	00:00	0	99539	77679	11334	8540	1.28	ABV/ABB	
	PCB 160 (BZ)	40:32	00:00	0	0	0	0	0	0.00 *	/	
	PCB 158 (BZ)	40:48	00:00	0	33364	23274	6998	4719	1.43 *	ABB/ABB	M
	PCB 166 (BZ)	41:39	00:00	0	29746	23678	6147	5588	1.26	ABV/AVV	M
	PCB 128 (BZ)	41:46	00:00	0	18955	19004	4014	3455	1.00 *	AVV/AVV	RM
	PCB 159 (BZ)	42:37	00:00	0	26439	23265	5446	5037	1.14	ABB/ABB	
	PCB 162 (BZ)	42:54	00:00	0	28313	22806	5231	5029	1.24	ABB/ABB	
	PCB 167 (BZ)	43:22	00:00	0	28974	25237	5638	4646	1.15	ABB/ABB	
	PCB 157 (BZ)	44:30	00:00	0	0	0	0	0	0.00 *	/	
	PCB 156 (BZ)	44:37	00:00	0	60411	47256	7005	4973	1.28	ABB/ABB	TM
	PCB 169 (BZ)	47:48	00:00	0	35352	28792	7324	5717	1.23	ABB/ABB	M
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	Noise	00:00	00:00	0	235	200	94	80	1.18	/	
	13C12-PCB 155	31:59	00:00	0	2021621	1584169	428429	336807	1.28	ABV/ABV	M
	13C12-PCB 138	40:25	00:00	0	2208481	1740612	461787	370337	1.27	ABV/ABV	M
	13C12-PCB 167	43:21	00:00	0	2738802	2152464	564714	443984	1.27	AVV/AVV	
	13C12-PCB 157	44:28	00:00	0	0	0	0	0	0.00 *	/	
	13C12-PCB 156	44:36	00:00	0	5429723	4241224	601873	459289	1.28	AVV/AVV	N
	13C12-PCB 169	47:47	00:00	0	2623690	2056642	511648	409764	1.28	AVV/ABV	M
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		

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Analysis ID	96225	Prep Exp Date		Date Received	
Analysis Date	03/13/07 18:44	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	Noise	00:00	00:00	0	153	170	61	68	0.90	/	
	PCB 188 (BZ)	37:45	00:00	0	23031	20819	5078	4527	1.11	ABB/ABB	
	PCB 179 (BZ)	38:12	00:00	0	20694	21253	4757	4740	0.97	ABB/ABB	M
	PCB 184 (BZ)	38:36	00:00	0	20972	19092	4636	3811	1.10	ABB/ABB	
	PCB 176 (BZ)	39:03	00:00	0	21868	20038	5168	4160	1.09	ABB/ABB	D
	PCB 186 (BZ)	39:31	00:00	0	20693	19205	4063	4310	1.08	ABB/ABB	D
	PCB 178 (BZ)	40:49	00:00	0	16725	14323	3567	3038	1.17	ABB/ABB	D
	PCB 175 (BZ)	41:27	00:00	0	15364	17005	3060	3642	0.90	ABB/ABB	D
	PCB 187 (BZ)	41:43	00:00	0	17259	17470	4438	3932	0.99	ABV/ABV	D
	PCB 182 (BZ)	41:54	00:00	0	17353	16229	3656	3427	1.07	AVB/AVB	D
	PCB 183 (BZ)	42:19	00:00	0	17267	16095	4443	4276	1.07	ABV/ABV	D
	PCB 185 (BZ)	42:28	00:00	0	16888	16488	3233	3532	1.02	AVV/AVV	D
	PCB 174 (BZ)	42:39	00:00	0	16545	16450	3647	3117	1.01	AVB/AVB	M
	PCB 177 (BZ)	43:04	00:00	0	14589	15012	3596	2864	0.97	ABB/ABB	M
	PCB 181 (BZ)	43:25	00:00	0	14611	15316	3773	2952	0.95	ABB/ABB	D
	PCB 173 (BZ)	43:34	00:00	0	0	0	0	0	0.00 *	/	
	PCB 171 (BZ)	43:41	00:00	0	26597	27231	5724	5784	0.98	ABB/ABB	M
	PCB 172 (BZ)	45:15	00:00	0	13745	14643	3447	3632	0.94	ABB/ABB	D
	PCB 192 (BZ)	45:30	00:00	0	21140	19344	4378	3666	1.09	ABB/ABB	D
	PCB 180 (BZ)	45:51	00:00	0	0	0	0	0	0.00 *	/	
	PCB 193 (BZ)	45:51	00:00	0	40114	37600	7125	5710	1.07	ABB/ABB	D
	PCB 191 (BZ)	46:16	00:00	0	19692	21733	4516	4207	0.91	ABB/ABB	D
	PCB 170 (BZ)	47:13	00:00	0	17237	14274	3392	2617	1.21	ABB/ABB	M
	PCB 190 (BZ)	47:42	00:00	0	21744	21064	4430	3686	1.03	ABV/MVV	D
	PCB 189 (BZ)	50:16	00:00	0	30455	26263	6757	5666	1.16	ABB/ABB	
406					405.8428	407.8398	405.8428	407.8398	0.89-1.21		
	Noise	00:00	00:00	0	178	173	71	69	1.03	/	
	13C12-PCB 188	37:43	00:00	0	2154274	2009002	440120	412790	1.07	ABV/AVV	D
	13C12-PCB 180	45:52	00:00	0	1766894	1651483	361879	337816	1.07	ABV/ABV	
	13C12-PCB 170	47:12	00:00	0	1451339	1367371	293499	273667	1.06	AVV/AVV	
	13C12-PCB 189	50:15	00:00	0	2776861	2621580	555807	521675	1.06	ABV/ABV	D
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	Noise	00:00	00:00	0	135	143	54	57	0.95	/	
	PCB 202 (BZ)	43:08	00:00	0	16025	15831	3052	2907	1.01	MBB/MVV	
	PCB 200 (BZ)/201 (IUPAC	44:01	00:00	0	18040	18913	3610	3335	0.95	ABB/MBB	
	PCB 204 (BZ)	44:38	00:00	0	16778	19271	3184	4246	0.87	ABB/ABV	
	PCB 197 (BZ)	44:54	00:00	0	17553	18437	3325	4571	0.95	ABV/AVV	
	PCB 199 (BZ)/200 (IUPAC	45:06	00:00	0	17389	19083	4003	3396	0.91	AVB/AVB	D
	PCB 201 (BZ)/199 (IUPAC	47:49	00:00	0	0	0	0	0	0.00 *	/	
	PCB 198 (BZ)	47:49	00:00	0	23617	26680	2593	3375	0.89	ABB/ABB	D
	PCB 196 (BZ)	48:28	00:00	0	13204	13644	2694	2723	0.97	ABV/ABV	D
	PCB 203 (BZ)	48:40	00:00	0	14580	14668	3294	2861	0.99	AVB/AVB	D
	PCB 195 (BZ)	50:03	00:00	0	15883	18612	3151	3716	0.85	ABB/ABB	
	PCB 194 (BZ)	52:20	00:00	0	19920	20152	3843	3708	0.99	ABB/ABB	

Notes:
R = ratio is outside limits M = data changed manually H = Peak not reported S = peak less than 2.5x S/N
T = peaks outside comax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS1	Prep Batch		Lot No	
Data File	/20070313i/a070313i1.d	Prep Date		SDG No	
Analysis ID	96225	Prep Exp Date		Date Received	
Analysis Date	03/13/07 18:44	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	PCB 205 (BZ)	52:49	00:00	0	23178	23147	4650	4102	1.00	ABB/ABB	
440					439.8038	441.8008	439.8038	441.8008	0.76-1.02		
	Noise	00:00	00:00	0	208	163	83	65	1.28 *	/	
	13C12-PCB 202	43:05	00:00	0	1583315	1731750	325926	362954	0.91	ABV/ABV	D
	13C12-PCB 194	52:19	00:00	0	1598977	1764859	322408	358641	0.91	ABV/ABV	
	13C12-PCB 205	52:47	00:00	0	2264180	2501394	456213	503465	0.91	AVV/AVV	
462					461.7246	463.7216	461.7246	463.7216	0.65-0.89		
	Noise	00:00	00:00	0	123	165	49	66	0.74	/	
	PCB 208 (BZ)	49:44	00:00	0	16419	23367	3493	4988	0.70	ABB/ABB	
	PCB 207 (BZ)	50:39	00:00	0	16073	22871	3723	4543	0.70	ABB/ABB	
	PCB 206 (BZ)	54:32	00:00	0	12889	16208	2413	3270	0.80	ABB/ABB	
474					473.7648	475.7619	473.7648	475.7619	0.65-0.89		
	Noise	00:00	00:00	0	198	198	79	79	1.00 *	/	
	13C12-PCB 208	49:43	00:00	0	1728002	2147402	346615	435421	0.80	AVV/AVV	
	13C12-PCB 206	54:29	00:00	0	1213217	1538289	244449	307669	0.79	AVV/ABV	
496					495.6856	497.6826	495.6856	497.6826	0.59-0.79		
	Noise	00:00	00:00	0	103	88	41	35	1.17 *	/	
	PCB 209 (BZ)	56:07	00:00	0	12614	17505	2490	3022	0.72	ABB/ABB	
508					507.7258	509.7229	507.7258	509.7229	0.59-0.79		
	Noise	00:00	00:00	0	160	150	64	60	1.07 *	/	
	13C12-PCB 209	56:04	00:00	0	1256794	1788740	233676	330769	0.70	ABV/ABV	

Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside comax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS2	Prep Batch		Lot No	
Data File	/20070313i/a070313i2.d	Prep Date		SDG No	
Analysis ID	96220	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	21:18	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
Total Monochlorobiphenyl		1295469	478009	1.000		17.245120		17.245120		0.0348
13C12-PCB 1	12:13	7482179	2754161	1.000	100.0	129.186040	129.19	129.186040		0.0358
13C12-PCB 3	14:25	7541659	2589365	1.000	100.0	130.213012	130.21	130.213012		0.0358
PCB 1 (BZ)	12:13	429892	177421	1.000	5.000	5.745546	114.91	5.745546		0.0113
PCB 2 (BZ)	14:15	424770	144167	1.000	5.000	5.654614	113.09	5.654614		0.0116
PCB 3 (BZ)	14:26	440807	156421	1.000	5.000	5.844961	116.90	5.844961		0.0120
Total Dichlorobiphenyl		3870590	1028774	1.000		79.720476		79.720476		0.506
13C12-PCB 4	14:43	3558583	1121410	1.000	100.0	61.441894	61.44	61.441894		0.0425
13C12-PCB 9	16:39	5791786	1716903	1.000	100.0	100.000000	100.00	100.000000		0.0425
13C12-PCB 8	17:32	364404	100172	1.000	5.000	7.506047	150.12	7.506047		0.0542
13C12-PCB 15	20:40	6151029	1571586	1.000	100.0	106.202629	106.20	106.202629		0.0425
PCB 4 (BZ)	14:43	203420	63355	1.000	5.000	5.716320	114.33	5.716320		0.0504
PCB 10 (BZ)	14:53	308643	101946	1.000	5.000	6.357473	127.15	6.357473		0.0420
PCB 9 (BZ)	16:41	330705	101046	1.000	5.000	6.811910	136.24	6.811910		0.0420
PCB 7 (BZ)	16:50	325921	95237	1.000	5.000	6.713368	134.27	6.713368		0.0420
PCB 6 (BZ)	17:07	339232	93873	1.000	5.000	6.987550	139.75	6.987550		0.0420
PCB 5 (BZ)	17:26	309690	84663	1.000	5.000	6.379040	127.58	6.379040		0.0420
PCB 8 (BZ)	17:33	329891	96324	1.000	5.000	6.795143	135.90	6.795143		0.0420
PCB 14 (BZ)	19:08	399418	105384	1.000	5.000	8.227270	164.55	8.227270		0.0420
PCB 11 (BZ)	20:03	326138	80857	1.000	5.000	6.717838	134.36	6.717838		0.0420
PCB 13 (BZ)	20:22	644422	121814	1.000	5.000	13.273898	265.48	13.273898	C12	0.0420
PCB 12 (BZ)	20:27			1.000	5.000			ND	C12	0.0420
PCB 15 (BZ)	20:41	353110	84275	1.000	5.000	5.740666	114.81	5.740666		0.0360
Total Trichlorobiphenyl		7913656	1716424	1.000		155.341394		155.341394		0.920
13C12-PCB 19	17:53	2597638	737664	1.000	100.0	56.051613	56.05	56.051613		0.0806
13C12-PCB 32	21:09	4634368	1178159	1.000	100.0	100.000000	100.00	100.000000		0.0806
13C12-PCB 31	23:24	7583092	1853762	1.000	100.0	100.000000	100.00	100.000000		0.0512
13C12-PCB 28	23:41	408055	85726	1.000	5.000	5.381116	107.62	5.381116		0.0512
13C12-PCB 37	27:46	6635337	1465044	1.000	100.0	87.501734	87.50	87.501734		0.0512
PCB 19 (BZ)	17:54	146056	43034	1.000	5.000	5.622646	112.45	5.622646		0.0573
PCB 30 (BZ)	19:38	237225	61527	1.000	5.000	9.132335	182.65	9.132335		0.0573
PCB 18 (BZ)	19:45	154627	41253	1.000	5.000	5.952600	119.05	5.952600		0.0573
PCB 17 (BZ)	20:10	166171	43872	1.000	5.000	6.397004	127.94	6.397004		0.0573
PCB 27 (BZ)	20:24	226179	59700	1.000	5.000	8.707102	174.14	8.707102		0.0573
PCB 24 (BZ)	20:31	214297	55895	1.000	5.000	8.249687	164.99	8.249687		0.0573
PCB 16 (BZ)	20:41	148550	36813	1.000	5.000	5.718657	114.37	5.718657		0.0573
PCB 32 (BZ)	21:10	246917	63612	1.000	5.000	9.505443	190.11	9.505443		0.0573
PCB 34 (BZ)	22:23	387931	95061	1.000	5.000	5.846440	116.93	5.846440		0.0288
PCB 23 (BZ)	22:31	382828	94188	1.000	5.000	5.769534	115.39	5.769534		0.0288
PCB 29 (BZ)	22:51	792879	189763	1.000	5.000	11.949340	238.99	11.949340	C26	0.0288
PCB 26 (BZ)	22:56			1.000	5.000			ND	C26	0.0288
PCB 25 (BZ)	23:06	450545	99670	1.000	5.000	6.790085	135.80	6.790085		0.0288
PCB 31 (BZ)	23:25	417051	103581	1.000	5.000	6.285302	125.71	6.285302		0.0288
PCB 28 (BZ)	23:42	785746	98418	1.000	5.000	11.841840	236.84	11.841840	C20	0.0288
PCB 20 (BZ)	23:47			1.000	5.000			ND	C20	0.0288
PCB 21 (BZ)	23:54	799782	99233	1.000	5.000	12.053374	241.07	12.053374	C21	0.0288
PCB 33 (BZ)	24:01			1.000	5.000			ND	C21	0.0288
PCB 22 (BZ)	24:24	381071	88203	1.000	5.000	5.743054	114.86	5.743054		0.0288
PCB 36 (BZ)	25:53	404052	92836	1.000	5.000	6.089397	121.79	6.089397		0.0288

STL - Knoxville

IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS2	Prep Batch		Lot No	
Data File	/20070313i/a070313i2.d	Prep Date		SDG No	
Analysis ID	96220	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	21:18	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 39 (BZ)	26:16	414435	92825	1.000	5.000	6.245877	124.92	6.245877		0.0288
PCB 38 (BZ)	26:51	391706	85426	1.000	5.000	5.903332	118.07	5.903332		0.0288
PCB 35 (BZ)	27:21	380140	86860	1.000	5.000	5.729023	114.58	5.729023		0.0288
PCB 37 (BZ)	27:47	385468	84654	1.000	5.000	5.809321	116.19	5.809321		0.0288
Total Tetrachlorobiphenyl		10687314	2101347	1.000		225.731525		225.731525		1.92
13C12-PCB 54	21:02	2786116	696173	1.000	100.0	60.118575	60.12	60.118575		0.0318
13C12-PCB 52	25:32	3849016	908327	1.000	100.0	100.000000	100.00	100.000000		0.0413
13C12-PCB 79	33:27	258475	53085	1.000	5.000	5.398930	107.98	5.398930		0.0374
13C12-PCB 81	34:29	4768475	988954	1.000	100.0	123.888157	123.89	123.888157		0.0413
13C12-PCB 77	35:04	4806570	1015591	1.000	100.0	124.877891	124.88	124.877891		0.0413
PCB 54 (BZ)	21:03	166457	45233	1.000	5.000	5.974518	119.49	5.974518		0.0650
PCB 50 (BZ)	23:15			1.000	5.000			ND	C50	0.0451
PCB 53 (BZ)	23:10	425214	74864	1.000	5.000	8.881713	177.63	8.881713	C50	0.0451
PCB 45 (BZ)	23:54	390927	69132	1.000	5.000	8.165539	163.31	8.165539	C45	0.0451
PCB 51 (BZ)	23:56			1.000	5.000			ND	C45	0.0451
PCB 46 (BZ)	24:13	172753	40105	1.000	5.000	3.608401	72.17	3.608401		0.0451
PCB 52 (BZ)	25:34	214745	50958	1.000	5.000	4.485514	89.71	4.485514		0.0451
PCB 73 (BZ)	25:41	448432	65482	1.000	5.000	9.366682	187.33	9.366682	C43	0.0451
PCB 43 (BZ)	25:41			1.000	5.000			ND	C43	0.0451
PCB 69 (BZ)	25:56	276192	60841	1.000	5.000	5.768996	115.38	5.768996		0.0451
PCB 49 (BZ)	26:01	224911	51761	1.000	5.000	4.697858	93.96	4.697858		0.0451
PCB 48 (BZ)	26:18	206250	46278	1.000	5.000	4.308074	86.16	4.308074		0.0451
PCB 65 (BZ)	26:36			1.000	5.000			ND	C44	0.0451
PCB 47 (BZ)	26:37			1.000	5.000			ND	C44	0.0451
PCB 44 (BZ)	26:33	680102	104114	1.000	5.000	14.205719	284.11	14.205719	C44	0.0451
PCB 62 (BZ)	26:51	863033	93762	1.000	5.000	18.026714	360.53	18.026714	C59	0.0451
PCB 75 (BZ)	26:57			1.000	5.000			ND	C59	0.0451
PCB 59 (BZ)	26:54			1.000	5.000			ND	C59	0.0451
PCB 42 (BZ)	27:07	202044	46199	1.000	5.000	4.220220	84.40	4.220220		0.0451
PCB 41 (BZ)	27:30	161965	39166	1.000	5.000	3.383065	67.66	3.383065		0.0451
PCB 71 (BZ)	27:36			1.000	5.000			ND	C40	0.0451
PCB 40 (BZ)	27:37	439781	75873	1.000	5.000	9.185983	183.72	9.185983	C40	0.0451
PCB 64 (BZ)	27:49	306775	69959	1.000	5.000	6.407803	128.16	6.407803		0.0451
PCB 72 (BZ)	28:34	292436	66863	1.000	5.000	6.108295	122.17	6.108295		0.0451
PCB 68 (BZ)	28:51	302052	67058	1.000	5.000	6.309151	126.18	6.309151		0.0451
PCB 57 (BZ)	29:18	281428	63454	1.000	5.000	5.878364	117.57	5.878364		0.0451
PCB 58 (BZ)	29:34	286362	61611	1.000	5.000	5.981424	119.63	5.981424		0.0451
PCB 67 (BZ)	29:41	296654	62831	1.000	5.000	6.196399	123.93	6.196399		0.0451
PCB 63 (BZ)	29:58	308416	63128	1.000	5.000	6.442079	128.84	6.442079		0.0451
PCB 61 (BZ)	30:11	273572	61609	1.000	5.000	5.714271	114.29	5.714271		0.0451
PCB 70 (BZ)	30:21	867988	168574	1.000	5.000	18.130212	362.60	18.130212	C70	0.0451
PCB 76 (BZ)	30:20			1.000	5.000			ND	C70	0.0451
PCB 74 (BZ)	30:24			1.000	5.000			ND	C70	0.0451
PCB 66 (BZ)	30:40	291624	63926	1.000	5.000	6.091334	121.83	6.091334		0.0451
PCB 55 (BZ)	30:52	267991	57937	1.000	5.000	5.597697	111.95	5.597697		0.0451
PCB 56 (BZ)	31:23	279296	63792	1.000	5.000	5.833832	116.68	5.833832		0.0451
PCB 60 (BZ)	31:35	272326	58328	1.000	5.000	5.688245	113.76	5.688245		0.0451
PCB 80 (BZ)	31:52	326176	68259	1.000	5.000	6.813044	136.26	6.813044		0.0451
PCB 79 (BZ)	33:28	301674	61767	1.000	5.000	6.301255	126.03	6.301255		0.0451

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS2	Prep Batch		Lot No	
Data File	/20070313i/a070313i2.d	Prep Date		SDG No	
Analysis ID	96220	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	21:18	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 78 (BZ)	34:03	273748	55425	1.000	5.000	5.717947	114.36	5.717947		0.0451
PCB 81 (BZ)	34:30	299265	61690	1.000	5.000	6.275906	125.52	6.275906		0.0458
PCB 77 (BZ)	35:06	286725	61368	1.000	5.000	5.965273	119.31	5.965273		0.0446
Total Pentachlorobiphenyl		9054732	1646056	1.000		210.317641		210.317641		2.58
13C12-PCB 104	26:28	3804688	880755	1.000	100.0	127.674951	127.67	127.674951		0.0738
13C12-PCB 95	29:29	139634	30056	1.000	5.000	3.670051	73.40	3.670051		0.0539
13C12-PCB 101	32:20	2979980	643400	1.000	100.0	100.000000	100.00	100.000000		0.0738
13C12-PCB 111	34:58	185988	39687	1.000	5.000	6.241250	124.82	6.241250		0.0738
13C12-PCB 123	36:59	5465730	1137329	1.000	100.0	94.176824	94.18	94.176824		0.0392
13C12-PCB 118	37:18	5746085	1185578	1.000	100.0	99.007459	99.01	99.007459		0.0392
13C12-PCB 114	37:50	5578570	1128937	1.000	100.0	96.121105	96.12	96.121105		0.0392
13C12-PCB 105	38:33	5505346	1124017	1.000	100.0	94.859425	94.86	94.859425		0.0392
13C12-PCB 127	39:55	5803689	1210927	1.000	100.0	100.000000	100.00	100.000000		0.0392
13C12-PCB 126	41:37	5735950	1158374	1.000	100.0	98.832829	98.83	98.832829		0.0392
PCB 104 (BZ)	26:30	206460	48531	1.000	5.000	5.426463	108.53	5.426463		0.0593
PCB 96 (BZ)	26:57	188421	43091	1.000	5.000	4.952338	99.05	4.952338		0.0593
PCB 103 (BZ)	28:45	157885	36022	1.000	5.000	4.149749	82.99	4.149749		0.0593
PCB 94 (BZ)	29:02	133369	28976	1.000	5.000	3.505386	70.11	3.505386		0.0593
PCB 95 (BZ)	29:36	308866	38359	1.000	5.000	8.118038	162.36	8.118038	C95	0.0593
PCB 100 (BZ)	29:36			1.000	5.000			ND	C95	0.0593
PCB 93 (BZ)	29:43	129748	30425	1.000	5.000	3.410214	68.20	3.410214		0.0593
PCB 102 (BZ)	29:50	285996	38838	1.000	5.000	7.516937	150.34	7.516937	C98	0.0593
PCB 98 (BZ)	29:54			1.000	5.000			ND	C98	0.0593
PCB 88 (BZ)	30:14	128001	29730	1.000	5.000	3.364297	67.29	3.364297		0.0593
PCB 91 (BZ)	30:21	157455	35894	1.000	5.000	4.138447	82.77	4.138447		0.0593
PCB 84 (BZ)	30:38	124175	27253	1.000	5.000	3.263737	65.27	3.263737		0.0593
PCB 89 (BZ)	31:06	132058	30233	1.000	5.000	3.470928	69.42	3.470928		0.0593
PCB 121 (BZ)	31:19	213700	47271	1.000	5.000	5.616755	112.34	5.616755		0.0593
PCB 92 (BZ)	31:48	141361	29036	1.000	5.000	3.715443	74.31	3.715443		0.0593
PCB 113 (BZ)	32:20	516235	92135	1.000	5.000	13.568392	271.37	13.568392	C90	0.0593
PCB 90 (BZ)	32:22			1.000	5.000			ND	C90	0.0593
PCB 101 (BZ)	32:22			1.000	5.000			ND	C90	0.0593
PCB 83 (BZ)	32:54	293098	54488	1.000	5.000	7.703601	154.07	7.703601	C83	0.0593
PCB 99 (BZ)	32:58			1.000	5.000			ND	C83	0.0593
PCB 112 (BZ)	33:04	192645	40631	1.000	5.000	5.063359	101.27	5.063359		0.0593
PCB 109 (BZ)/108 (IUPAC)	33:24	1010140	81677	1.000	5.000	26.549877	531.00	26.549877	C86	0.0593
PCB 86 (BZ)	33:26			1.000	5.000			ND	C86	0.0593
PCB 119 (BZ)	33:27			1.000	5.000			ND	C86	0.0593
PCB 97 (BZ)	33:27			1.000	5.000			ND	C86	0.0593
PCB 125 (BZ)	33:31			1.000	5.000			ND	C86	0.0593
PCB 87 (BZ)	33:34			1.000	5.000			ND	C86	0.0593
PCB 117 (BZ)	34:05	523697	45911	1.000	5.000	13.764519	275.29	13.764519	C85	0.0593
PCB 116 (BZ)	34:10			1.000	5.000			ND	C85	0.0593
PCB 85 (BZ)	34:10			1.000	5.000			ND	C85	0.0593
PCB 110 (BZ)	34:18			1.000	5.000			ND	C110	0.0593
PCB 115 (BZ)	34:24	396920	84234	1.000	5.000	10.432393	208.65	10.432393	C110	0.0593
PCB 82 (BZ)	34:46	112564	23160	1.000	5.000	2.958561	59.17	2.958561		0.0593
PCB 111 (BZ)	34:59	203915	43902	1.000	5.000	5.359572	107.19	5.359572		0.0593
PCB 120 (BZ)	35:26	220030	44496	1.000	5.000	5.783129	115.66	5.783129		0.0593

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PCB's by EPA Method 1668A

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Workorder	2990:71CS2	Prep Batch		Lot No	
Data File	/20070313i/a070313i2.d	Prep Date		SDG No	
Analysis ID	96220	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	21:18	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 124 (BZ)	36:40	588664	118885	1.000	5.000	10.499977	210.00	10.499977	C108	0.0456
PCB 108 (BZ)/107 (IUPAC)	36:37			1.000	5.000			ND	C108	0.0456
PCB 107 (BZ)/109 (IUPAC)	36:53	274861	60287	1.000	5.000	4.902685	98.05	4.902685		0.0456
PCB 123 (BZ)	37:01	293337	59035	1.000	5.000	5.366840	107.34	5.366840		0.0459
PCB 106 (BZ)	37:08	290946	60952	1.000	5.000	5.189592	103.79	5.189592		0.0456
PCB 118 (BZ)	37:20	301291	61194	1.000	5.000	5.243414	104.87	5.243414		0.0441
PCB 122 (BZ)	37:44	290053	59413	1.000	5.000	5.173664	103.47	5.173664		0.0456
PCB 114 (BZ)	37:51	306377	62191	1.000	5.000	5.492035	109.84	5.492035		0.0463
PCB 105 (BZ)	38:35	320048	65974	1.000	5.000	5.813404	116.27	5.813404		0.0465
PCB 127 (BZ)	39:57	315325	62931	1.000	5.000	5.624440	112.49	5.624440		0.0456
PCB 126 (BZ)	41:38	297091	60901	1.000	5.000	5.179456	103.59	5.179456		0.0451
Total Hexachlorobiphenyl		8306796	1452048	1.000		184.514678		184.514678		2.72
13C12-PCB 155	32:00	3568053	780985	1.000	100.0	119.734126	119.73	119.734126		0.0715
13C12-PCB 153	39:07	202316	44715	1.000	5.000	4.228713	84.57	4.228713		0.0607
13C12-PCB 138	40:25	3907079	808788	1.000	100.0	100.000000	100.00	100.000000		0.0569
13C12-PCB 167	43:22	4856000	1005097	1.000	100.0	124.287223	124.29	124.287223		0.0569
13C12-PCB 156	44:37	9640565	1083534	1.000	200.0	246.746099	123.37	246.746099		0.0569
13C12-PCB 157	44:29			1.000				ND		0.0569
13C12-PCB 169	47:47	4640796	941040	1.000	100.0	118.779170	118.78	118.779170		0.0569
PCB 155 (BZ)	32:02	188538	39185	1.000	5.000	5.284058	105.68	5.284058		0.0627
PCB 152 (BZ)	32:22	174882	36727	1.000	5.000	4.901329	98.03	4.901329		0.0627
PCB 150 (BZ)	32:30	175325	37538	1.000	5.000	4.913744	98.27	4.913744		0.0627
PCB 136 (BZ)	32:58	162805	33863	1.000	5.000	4.562853	91.26	4.562853		0.0627
PCB 145 (BZ)	33:12	169380	36905	1.000	5.000	4.747127	94.94	4.747127		0.0627
PCB 148 (BZ)	34:37	127809	26247	1.000	5.000	3.582038	71.64	3.582038		0.0627
PCB 151 (BZ)	35:13			1.000	5.000			ND	C135	0.0627
PCB 135 (BZ)	35:17			1.000	5.000			ND	C135	0.0627
PCB 154 (BZ)	35:25	390518	32356	1.000	5.000	10.944849	218.90	10.944849	C135	0.0627
PCB 144 (BZ)	35:48	135852	28406	1.000	5.000	3.807455	76.15	3.807455		0.0627
PCB 147 (BZ)	36:11	375562	67838	1.000	5.000	7.849818	157.00	7.849818	C147	0.0647
PCB 149 (BZ)	36:10			1.000	5.000			ND	C147	0.0647
PCB 134 (BZ)	36:20			1.000	5.000			ND	C134	0.0647
PCB 143 (BZ)	36:31	326197	37356	1.000	5.000	6.818014	136.36	6.818014	C134	0.0647
PCB 139 (BZ)	36:45	383515	60689	1.000	5.000	8.016048	160.32	8.016048	C139	0.0647
PCB 140 (BZ)	36:45			1.000	5.000			ND	C139	0.0647
PCB 131 (BZ)	37:02	155707	33591	1.000	5.000	3.254514	65.09	3.254514		0.0647
PCB 142 (BZ)	37:09	164280	33514	1.000	5.000	3.433702	68.67	3.433702		0.0647
PCB 132 (BZ)	37:32	163352	33092	1.000	5.000	3.414306	68.29	3.414306		0.0647
PCB 133 (BZ)	37:54	178980	37641	1.000	5.000	3.740955	74.82	3.740955		0.0647
PCB 165 (BZ)	38:17	238790	48111	1.000	5.000	4.991075	99.82	4.991075		0.0647
PCB 146 (BZ)	38:32	199460	40172	1.000	5.000	4.169018	83.38	4.169018		0.0647
PCB 161 (BZ)	38:38	242137	48144	1.000	5.000	5.061032	101.22	5.061032		0.0647
PCB 153 (BZ)	39:09	476219	76959	1.000	5.000	9.953703	199.07	9.953703	C153	0.0647
PCB 168 (BZ)	39:11			1.000	5.000			ND	C153	0.0647
PCB 141 (BZ)	39:24	180904	37475	1.000	5.000	3.781169	75.62	3.781169		0.0647
PCB 130 (BZ)	39:49	159663	32712	1.000	5.000	3.337200	66.74	3.337200		0.0647
PCB 137 (BZ)	40:01	192066	38428	1.000	5.000	4.014472	80.29	4.014472		0.0647
PCB 164 (BZ)	40:09	235972	47607	1.000	5.000	4.932174	98.64	4.932174		0.0647
PCB 138 (BZ)	40:21			1.000	5.000			ND	C129	0.0647

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Workorder	2990:71CS2	Prep Batch		Lot No	
Data File	/20070313i/a070313i2.d	Prep Date		SDG No	
Analysis ID	96220	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	21:18	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 163 (BZ)	40:22			1.000	5.000			ND	C129	0.0647
PCB 129 (BZ)	40:27	818502	91487	1.000	5.000	17.107939	342.16	17.107939	C129	0.0647
PCB 160 (BZ)	40:33			1.000	5.000			ND	C129	0.0647
PCB 158 (BZ)	40:48	271668	56185	1.000	5.000	5.678275	113.57	5.678275		0.0647
PCB 166 (BZ)	41:39	246407	50900	1.000	5.000	5.150282	103.01	5.150282		0.0647
PCB 128 (BZ)	41:46	175328	38917	1.000	5.000	3.664622	73.29	3.664622		0.0647
PCB 159 (BZ)	42:37	254434	50087	1.000	5.000	5.318058	106.36	5.318058		0.0647
PCB 162 (BZ)	42:55	250944	49556	1.000	5.000	5.245112	104.90	5.245112		0.0647
PCB 167 (BZ)	43:24	269504	54741	1.000	5.000	5.549918	111.00	5.549918		0.0488
PCB 156 (BZ)	44:29			1.000	10.00			ND	C156	0.0904
PCB 157 (BZ)	44:34	529348	58885	1.000		10.981680		10.981680	C156	0.0904
PCB 169 (BZ)	47:48	292748	56734	1.000	5.000	6.308142	126.16	6.308142		0.0521
Total Heptachlorobiphenyl		4222701	846016	1.000		120.395616		120.395616		1.36
13C12-PCB 188	37:44	4106727	846691	1.000	100.0	124.844223	124.84	124.844223		0.0564
13C12-PCB 178	40:48	159532	34180	1.000	5.000	4.849762	97.00	4.849762		0.0564
13C12-PCB 180	45:53	3289481	677673	1.000	100.0	100.000000	100.00	100.000000		0.0564
13C12-PCB 170	47:12	2751382	552826	1.000	100.0	83.641827	83.64	83.641827		0.0564
13C12-PCB 189	50:15	5193495	1029222	1.000	100.0	158.539869	158.54	158.539869		0.0580
PCB 188 (BZ)	37:46	212229	43532	1.000	5.000	5.167838	103.36	5.167838		0.0472
PCB 179 (BZ)	38:13	200560	41139	1.000	5.000	5.848843	116.98	5.848843		0.0572
PCB 184 (BZ)	38:37	193716	41132	1.000	5.000	5.649254	112.99	5.649254		0.0572
PCB 176 (BZ)	39:04	215174	45241	1.000	5.000	6.275024	125.50	6.275024		0.0572
PCB 186 (BZ)	39:32	193637	38736	1.000	5.000	5.646950	112.94	5.646950		0.0572
PCB 178 (BZ)	40:50	142990	30011	1.000	5.000	4.169954	83.40	4.169954		0.0572
PCB 175 (BZ)	41:27	155731	34474	1.000	5.000	4.541514	90.83	4.541514		0.0572
PCB 187 (BZ)	41:43	162028	34286	1.000	5.000	4.725151	94.50	4.725151		0.0572
PCB 182 (BZ)	41:55	161685	31633	1.000	5.000	4.715148	94.30	4.715148		0.0572
PCB 183 (BZ)	42:19	155346	32406	1.000	5.000	4.530287	90.61	4.530287		0.0572
PCB 185 (BZ)	42:28	153765	32232	1.000	5.000	4.484181	89.68	4.484181		0.0572
PCB 174 (BZ)	42:39	151445	29289	1.000	5.000	4.416524	88.33	4.416524		0.0572
PCB 177 (BZ)	43:05	150058	30100	1.000	5.000	4.376075	87.52	4.376075		0.0572
PCB 181 (BZ)	43:25	158634	32566	1.000	5.000	4.626173	92.52	4.626173		0.0572
PCB 171 (BZ)	43:42	271555	56761	1.000	5.000	7.919238	158.38	7.919238	C171	0.0572
PCB 173 (BZ)	43:35			1.000	5.000			ND	C171	0.0572
PCB 172 (BZ)	45:16	144090	29178	1.000	5.000	4.202033	84.04	4.202033		0.0572
PCB 192 (BZ)	45:31	190222	38028	1.000	5.000	5.547360	110.95	5.547360		0.0572
PCB 193 (BZ)	45:52	361480	54198	1.000	5.000	10.541681	210.83	10.541681	C180	0.0572
PCB 180 (BZ)	45:51			1.000	5.000			ND	C180	0.0572
PCB 191 (BZ)	46:15	210801	43031	1.000	5.000	6.147496	122.95	6.147496		0.0572
PCB 170 (BZ)	47:13	142975	30892	1.000	5.000	5.196479	103.93	5.196479		0.0724
PCB 190 (BZ)	47:43	216533	42523	1.000	5.000	6.314656	126.29	6.314656		0.0572
PCB 189 (BZ)	50:16	278047	54628	1.000	5.000	5.353755	107.08	5.353755		0.0389
Total Octachlorobiphenyl		1883691	364366	1.000		51.839575		51.839575		0.509
13C12-PCB 202	43:06	3334450	676428	1.000	100.0	101.367055	101.37	101.367055		0.0539
13C12-PCB 194	52:20	3275829	658959	1.000	100.0	100.000000	100.00	100.000000		0.0554
13C12-PCB 205	52:47	4603893	925271	1.000	100.0	140.541310	140.54	140.541310		0.0554
PCB 202 (BZ)	43:07	154578	32204	1.000	5.000	4.635787	92.72	4.635787		0.0455
PCB 200 (BZ)/201 (IUPAC)	44:02	171841	35989	1.000	5.000	5.153504	103.07	5.153504		0.0455
PCB 204 (BZ)	44:40	162320	34996	1.000	5.000	4.867969	97.36	4.867969		0.0455

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Data File	/20070313i/a070313i2.d	Prep Date		SDG No	
Analysis ID	96220	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	21:18	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 197 (BZ)	44:55	172219	35523	1.000	5.000	5.164840	103.30	5.164840		0.0455
PCB 199 (BZ)/200 (IUPAC)	45:07	169486	35267	1.000	5.000	5.082877	101.66	5.082877		0.0455
PCB 198 (BZ)	47:49	237062	29190	1.000	5.000	7.109478	142.19	7.109478	C198	0.0455
PCB 201 (BZ)/199 (IUPAC)	47:49			1.000	5.000			ND	C198	0.0455
PCB 196 (BZ)	48:29	119058	23630	1.000	5.000	3.570544	71.41	3.570544		0.0455
PCB 203 (BZ)	48:41	134530	26419	1.000	5.000	4.034548	80.69	4.034548		0.0455
PCB 195 (BZ)	50:05	158035	31348	1.000	5.000	3.432638	68.65	3.432638		0.0332
PCB 194 (BZ)	52:22	179534	35056	1.000	5.000	3.899613	77.99	3.899613		0.0332
PCB 205 (BZ)	52:48	225028	44744	1.000	5.000	4.887776	97.76	4.887776		0.0332
Total Nonachlorobiphenyl		543798	103896	1.000		17.104576		17.104576		0.148
13C12-PCB 208	49:43	3704670	731378	1.000	100.0	113.091068	113.09	113.091068		0.0554
13C12-PCB 206	54:30	2676190	543519	1.000	100.0	81.695046	81.70	81.695046		0.0554
PCB 208 (BZ)	49:45	190085	34910	1.000	5.000	5.130956	102.62	5.130956		0.0424
PCB 207 (BZ)	50:40	206451	40068	1.000	5.000	6.470946	129.42	6.470946		0.0486
PCB 206 (BZ)	54:31	147262	28918	1.000	5.000	5.502674	110.05	5.502674		0.0570
13C12-PCB 209	56:05	2972127	549981	1.000	100.0	90.729003	90.73	90.729003		0.0709
PCB 209 (BZ)	56:07	145367	25670	1.000	5.000	4.891009	97.82	4.891009		0.0500

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS2	Prep Batch		Lot No	
Data File	/20070313i/a070313i2.d	Prep Date		SDG No	
Analysis ID	96220	Prep Exp Date		Date Received	
Analysis Date	03/13/07 21:18	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
188					188.0393	190.0363	188.0393	190.0363	2.66-3.60		
	Noise	00:00	00:00	0	163	148	65	59	1.10 *	/	
	PCB 1 (BZ)	12:13	00:00	0	328555	101337	135315	42106	3.24	AVB/ABB	
	PCB 2 (BZ)	14:15	00:00	0	324839	99931	109134	35033	3.25	AVV/AVV	
	PCB 3 (BZ)	14:26	00:00	0	337599	103208	121724	34697	3.27	AVB/AVB	
200					200.0795	202.0766	200.0795	202.0766	2.66-3.60		
	Noise	00:00	00:00	0	275	340	110	136	0.81 *	/	
	13C12-PCB 1	12:13	00:00	0	5672758	1809421	2083463	670698	3.14	AVV/AVV	
	13C12-PCB 3	14:25	00:00	0	5772389	1769270	1961367	627998	3.26	ABV/AVV	
222					222.0003	223.9974	222.0003	223.9974	1.33-1.79		
	Noise	00:00	00:00	0	208	358	83	143	0.58 *	/	
	PCB 4 (BZ)	14:43	00:00	0	125076	78344	38842	24513	1.60	AVV/ABV	
	PCB 10 (BZ)	14:53	00:00	0	187176	121467	61897	40049	1.54	AVV/AVB	
	PCB 9 (BZ)	16:41	00:00	0	203519	127186	63262	37784	1.60	ABV/AVV	D
	PCB 7 (BZ)	16:50	00:00	0	196415	129506	58986	36251	1.52	AVV/AVB	M
	PCB 6 (BZ)	17:07	00:00	0	207279	131953	57467	36406	1.57	AVB/ABV	
	PCB 5 (BZ)	17:26	00:00	0	187035	122655	50920	33743	1.52	ABV/AVV	
	PCB 8 (BZ)	17:33	00:00	0	200069	129822	57572	38752	1.54	AVV/AVB	
	PCB 14 (BZ)	19:08	00:00	0	240126	159292	64754	40630	1.51	AVV/AVV	M
	PCB 11 (BZ)	20:03	00:00	0	196450	129688	48106	32751	1.51	ABV/ABV	
	PCB 13 (BZ)	20:22	00:00	0	394786	249636	75395	46419	1.58	AVV/AVV	
	PCB 12 (BZ)	20:27	00:00	0	0	0	0	0	0.00 *	/	
	PCB 15 (BZ)	20:41	00:00	0	213006	140104	52573	31702	1.52	AVV/AVB	
234					234.0406	236.0376	234.0406	236.0376	1.33-1.79		
	Noise	00:00	00:00	0	470	260	188	104	1.81 *	/	
	13C12-PCB 4	14:43	00:00	0	2176824	1381759	683448	437962	1.58	AVV/ABV	
	13C12-PCB 9	16:39	00:00	0	3553619	2238167	1046814	670089	1.59	AVV/AVV	
	13C12-PCB 8	17:32	00:00	0	232195	132209	62929	37243	1.76	AVV/AVV	
	13C12-PCB 15	20:40	00:00	0	3757578	2393451	961683	609903	1.57	ABV/ABV	
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	Noise	00:00	00:00	0	223	200	89	80	1.11	/	
	PCB 19 (BZ)	17:54	00:00	0	75946	70110	22973	20061	1.08	ABV/ABB	
	PCB 30 (BZ)	19:38	00:00	0	120525	116700	31434	30093	1.03	ABV/ABV	M
	PCB 18 (BZ)	19:45	00:00	0	79820	74807	20500	20753	1.07	AVV/AVB	M
	PCB 17 (BZ)	20:10	00:00	0	87481	78690	22410	21462	1.11	ABB/ABV	
	PCB 27 (BZ)	20:24	00:00	0	118332	107847	30986	28714	1.10	ABV/AVV	
	PCB 24 (BZ)	20:31	00:00	0	109070	105227	29559	26336	1.04	AVV/AVV	
	PCB 16 (BZ)	20:41	00:00	0	77881	70669	19001	17812	1.10	AVB/AVV	D
	PCB 32 (BZ)	21:10	00:00	0	126002	120915	33539	30073	1.04	AVV/MVV	
	PCB 34 (BZ)	22:23	00:00	0	199845	188086	48710	46351	1.06	ABV/ABV	M
	PCB 23 (BZ)	22:31	00:00	0	199935	182893	50188	44000	1.09	AVB/AVB	DM
	PCB 29 (BZ)	22:51	00:00	0	406659	386220	99031	90732	1.05	ABV/ABV	M
	PCB 26 (BZ)	22:56	00:00	0	0	0	0	0	0.00 *	/	
	PCB 25 (BZ)	23:06	00:00	0	226798	223747	50766	48904	1.01	AVV/AVV	D

Notes:
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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

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Analysis ID	96220	Prep Exp Date		Date Received	
Analysis Date	03/13/07 21:18	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	PCB 31 (BZ)	23:25	00:00	0	212177	204874	52442	51139	1.04	AVV/AVB	D
	PCB 28 (BZ)	23:42	00:00	0	404833	380913	49204	49214	1.06	AVV/ABV	D
	PCB 20 (BZ)	23:47	00:00	0	0	0	0	0	0.00 *	/	
	PCB 21 (BZ)	23:54	00:00	0	399834	399948	48125	51108	1.00	AVV/AVV	D
	PCB 33 (BZ)	24:01	00:00	0	0	0	0	0	0.00 *	/	
	PCB 22 (BZ)	24:24	00:00	0	197284	183787	47270	40933	1.07	AVB/AVV	D
	PCB 36 (BZ)	25:53	00:00	0	207196	196856	49147	43689	1.05	AVV/AVV	M
	PCB 39 (BZ)	26:16	00:00	0	216913	197522	48706	44119	1.10	ABV/AVV	D
	PCB 38 (BZ)	26:51	00:00	0	197244	194462	43032	42394	1.01	AVV/AVV	D
	PCB 35 (BZ)	27:21	00:00	0	193594	186546	44929	41931	1.04	AVV/AVV	
	PCB 37 (BZ)	27:47	00:00	0	199303	186165	43903	40751	1.07	AVV/AVV	
268					268.0016	269.9986	268.0016	269.9986	0.88-1.20		
	Noise	00:00	00:00	0	620	330	248	132	1.88 *	/	
	13C12-PCB 19	17:53	00:00	0	1340088	1257550	379865	357799	1.07	AVV/AVV	
	13C12-PCB 32	21:09	00:00	0	2402369	2231999	615342	562817	1.08	AVV/AVV	
	13C12-PCB 31	23:24	00:00	0	3898522	3684570	954583	899179	1.06	ABV/ABV	
	13C12-PCB 28	23:41	00:00	0	220965	187090	43955	41771	1.18	AVB/AVV	M
	13C12-PCB 37	27:46	00:00	0	3410375	3224962	753396	711648	1.06	ABV/ABV	
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	Noise	00:00	00:00	0	235	218	94	87	1.08 *	/	
	PCB 54 (BZ)	21:03	00:00	0	74061	92396	19730	25503	0.80	ABV/ABV	
	PCB 53 (BZ)	23:10	00:00	0	186873	238341	32965	41899	0.78	ABV/ABV	
	PCB 50 (BZ)	23:15	00:00	0	0	0	0	0	0.00 *	/	
	PCB 45 (BZ)	23:54	00:00	0	172102	218825	30421	38711	0.79	ABB/ABV	
	PCB 51 (BZ)	23:56	00:00	0	0	0	0	0	0.00 *	/	
	PCB 46 (BZ)	24:13	00:00	0	73651	99102	17829	22276	0.74	ABV/AVV	D
	PCB 52 (BZ)	25:34	00:00	0	95930	118815	22783	28175	0.81	ABV/ABV	D
	PCB 43 (BZ)	25:41	00:00	0	0	0	0	0	0.00 *	/	M
	PCB 73 (BZ)	25:41	00:00	0	199562	248870	28658	36824	0.80	AVV/AVV	M
	PCB 69 (BZ)	25:56	00:00	0	122076	154116	26808	34033	0.79	MVB/AVV	M
	PCB 49 (BZ)	26:01	00:00	0	98118	126793	22186	29575	0.77	MVV/AVB	M
	PCB 48 (BZ)	26:18	00:00	0	91043	115207	20824	25454	0.79	ABV/ABV	
	PCB 44 (BZ)	26:33	00:00	0	297664	382438	45278	58836	0.78	AVV/AVV	
	PCB 65 (BZ)	26:36	00:00	0	0	0	0	0	0.00 *	/	
	PCB 47 (BZ)	26:37	00:00	0	0	0	0	0	0.00 *	/	
	PCB 62 (BZ)	26:51	00:00	0	380983	482050	41384	52378	0.79	AVV/AVV	
	PCB 59 (BZ)	26:54	00:00	0	0	0	0	0	0.00 *	/	
	PCB 75 (BZ)	26:57	00:00	0	0	0	0	0	0.00 *	/	
	PCB 42 (BZ)	27:07	00:00	0	86844	115200	19594	26605	0.75	AVB/AVB	D
	PCB 41 (BZ)	27:30	00:00	0	70979	90986	17321	21845	0.78	ABV/ABV	
	PCB 71 (BZ)	27:36	00:00	0	0	0	0	0	0.00 *	/	
	PCB 40 (BZ)	27:37	00:00	0	193551	246230	33998	41875	0.79	AVV/AVV	D
	PCB 64 (BZ)	27:49	00:00	0	137908	168867	31317	38642	0.82	AVV/AVB	D
	PCB 72 (BZ)	28:34	00:00	0	127803	164633	29694	37169	0.78	ABV/ABV	M

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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS2	Prep Batch		Lot No	
Data File	/20070313i/a070313i2.d	Prep Date		SDG No	
Analysis ID	96220	Prep Exp Date		Date Received	
Analysis Date	03/13/07 21:18	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	PCB 68 (BZ)	28:51	00:00	0	135620	166432	29153	37905	0.81	AVV/AVV	M
	PCB 57 (BZ)	29:18	00:00	0	124064	157364	29182	34272	0.79	ABV/ABV	
	PCB 58 (BZ)	29:34	00:00	0	128678	157684	27467	34144	0.82	AVV/AVV	
	PCB 67 (BZ)	29:41	00:00	0	129889	166765	27122	35709	0.78	AVV/AVV	
	PCB 63 (BZ)	29:58	00:00	0	137452	170964	28089	35039	0.80	AVV/AVB	
	PCB 61 (BZ)	30:11	00:00	0	119744	153828	27546	34063	0.78	AVV/ABV	M
	PCB 76 (BZ)	30:20	00:00	0	0	0	0	0	0.00 *	/	
	PCB 70 (BZ)	30:21	00:00	0	383661	484327	73207	95367	0.79	AVB/AVB	
	PCB 74 (BZ)	30:24	00:00	0	0	0	0	0	0.00 *	/	
	PCB 66 (BZ)	30:40	00:00	0	131695	159929	30120	33806	0.82	ABV/ABV	
	PCB 55 (BZ)	30:52	00:00	0	120995	146996	27332	30605	0.82	AVB/AVB	
	PCB 56 (BZ)	31:23	00:00	0	120299	158997	28121	35671	0.76	ABV/ABV	
	PCB 60 (BZ)	31:35	00:00	0	120657	151669	26633	31695	0.80	AVV/AVV	
	PCB 80 (BZ)	31:52	00:00	0	142948	183228	28046	40213	0.78	AVV/AVV	
	PCB 79 (BZ)	33:28	00:00	0	136195	165479	26889	34878	0.82	ABV/ABV	
	PCB 78 (BZ)	34:03	00:00	0	122662	151086	25410	30015	0.81	ABV/ABV	
	PCB 81 (BZ)	34:30	00:00	0	131862	167403	26084	35606	0.79	ABV/AVV	
	PCB 77 (BZ)	35:06	00:00	0	126916	159809	26452	34916	0.79	ABB/ABB	M
302					301.9626	303.9597	301.9626	303.9597	0.65-0.89		
	Noise	00:00	00:00	0	190	185	76	74	1.03 *	/	
	13C12-PCB 54	21:02	00:00	0	1242091	1544025	311018	385155	0.80	ABV/ABV	
	13C12-PCB 52	25:32	00:00	0	1701638	2147378	399464	508863	0.79	ABV/ABV	
	13C12-PCB 79	33:27	00:00	0	118097	140378	23424	29661	0.84	ABV/ABV	
	13C12-PCB 81	34:29	00:00	0	2114579	2653896	438272	550682	0.80	ABV/ABV	M
	13C12-PCB 77	35:04	00:00	0	2125945	2680625	437560	578031	0.79	ABB/ABB	M
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	Noise	00:00	00:00	0	300	223	120	89	1.35	/	
	PCB 104 (BZ)	26:30	00:00	0	127468	78992	29718	18813	1.61	ABV/ABB	
	PCB 96 (BZ)	26:57	00:00	0	111927	76494	25689	17402	1.46	ABB/AVB	D
	PCB 103 (BZ)	28:45	00:00	0	98342	59543	22915	13107	1.65	ABV/ABV	M
	PCB 94 (BZ)	29:02	00:00	0	82428	50941	17402	11574	1.62	AVB/AVB	D
	PCB 100 (BZ)	29:36	00:00	0	0	0	0	0	0.00 *	/	M
	PCB 95 (BZ)	29:36	00:00	0	195018	113848	23508	14851	1.71	ABV/MVV	M
	PCB 93 (BZ)	29:43	00:00	0	76469	53279	18372	12053	1.44	AVV/MVV	DM
	PCB 102 (BZ)	29:50	00:00	0	175401	110595	23842	14996	1.59	AVB/AVB	
	PCB 98 (BZ)	29:54	00:00	0	0	0	0	0	0.00 *	/	
	PCB 88 (BZ)	30:14	00:00	0	78342	49659	17975	11755	1.58	ABV/ABV	
	PCB 91 (BZ)	30:21	00:00	0	94368	63087	22481	13413	1.50	AVB/AVV	D
	PCB 84 (BZ)	30:38	00:00	0	71808	52367	15802	11451	1.37	ABB/AVB	M
	PCB 89 (BZ)	31:06	00:00	0	77168	54890	18500	11733	1.41	ABV/ABV	M
	PCB 121 (BZ)	31:19	00:00	0	132108	81592	29516	17755	1.62	AVV/AVV	M
	PCB 92 (BZ)	31:48	00:00	0	85730	55631	17213	11823	1.54	ABB/ABB	D
	PCB 113 (BZ)	32:20	00:00	0	319402	196833	55050	37085	1.62	ABV/ABV	D
	PCB 90 (BZ)	32:22	00:00	0	0	0	0	0	0.00 *	/	

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Analysis ID	96220	Prep Exp Date		Date Received	
Analysis Date	03/13/07 21:18	Matrix	UNKNOWN	Date Sampled	
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Analyst	DCG	Diluton Factor	1.00	Code	IE3

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Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	PCB 101 (BZ)	32:22	00:00	0	0	0	0	0	0.00 *	/	
	PCB 83 (BZ)	32:54	00:00	0	181140	111958	32128	22360	1.62	ABV/ABV	D
	PCB 99 (BZ)	32:58	00:00	0	0	0	0	0	0.00 *	/	
	PCB 112 (BZ)	33:04	00:00	0	117591	75054	24484	16147	1.57	AVB/AVB	D
	PCB 109 (BZ)/108 (IUPAC	33:24	00:00	0	622813	387327	51490	30187	1.61	ABB/ABB	
	PCB 86 (BZ)	33:26	00:00	0	0	0	0	0	0.00 *	/	
	PCB 97 (BZ)	33:27	00:00	0	0	0	0	0	0.00 *	/	
	PCB 119 (BZ)	33:27	00:00	0	0	0	0	0	0.00 *	/	
	PCB 125 (BZ)	33:31	00:00	0	0	0	0	0	0.00 *	/	
	PCB 87 (BZ)	33:34	00:00	0	0	0	0	0	0.00 *	/	
	PCB 117 (BZ)	34:05	00:00	0	315696	208001	27463	18448	1.52	ABV/ABV	D
	PCB 116 (BZ)	34:10	00:00	0	0	0	0	0	0.00 *	/	
	PCB 85 (BZ)	34:10	00:00	0	0	0	0	0	0.00 *	/	
	PCB 110 (BZ)	34:18	00:00	0	0	0	0	0	0.00 *	/	
	PCB 115 (BZ)	34:24	00:00	0	240541	156379	50845	33389	1.54	AVV/AVV	D
	PCB 82 (BZ)	34:46	00:00	0	67716	44848	14135	9025	1.51	ABB/ABV	M
	PCB 111 (BZ)	34:59	00:00	0	123640	80275	26736	17166	1.54	ABB/AVB	D
	PCB 120 (BZ)	35:26	00:00	0	135097	84933	28310	16186	1.59	AVB/AVB	D
	PCB 108 (BZ)/107 (IUPAC	36:37	00:00	0	0	0	0	0	0.00 *	/	
	PCB 124 (BZ)	36:40	00:00	0	362901	225763	74306	44579	1.61	AVV/AVV	D
	PCB 107 (BZ)/109 (IUPAC	36:53	00:00	0	169256	105605	37105	23182	1.60	AVV/AVV	D
	PCB 123 (BZ)	37:01	00:00	0	178951	114386	35369	23666	1.56	AVV/AVV	
	PCB 106 (BZ)	37:08	00:00	0	181420	109526	38218	22734	1.66	AVV/AVV	
	PCB 118 (BZ)	37:20	00:00	0	186628	114663	37313	23881	1.63	AVB/AVV	
	PCB 122 (BZ)	37:44	00:00	0	180526	109527	36803	22610	1.65	AVV/ABV	M
	PCB 114 (BZ)	37:51	00:00	0	188033	118344	38648	23543	1.59	AVV/AVB	
	PCB 105 (BZ)	38:35	00:00	0	196803	123245	42140	23834	1.60	ABB/ABB	M
	PCB 127 (BZ)	39:57	00:00	0	197433	117892	38417	24514	1.67	AVV/AVV	
	PCB 126 (BZ)	41:38	00:00	0	179190	117901	35688	25213	1.52	AVV/AVV	M
338					337.9207	339.9178	337.9207	339.9178	1.32-1.78		
	Noise	00:00	00:00	0	268	208	107	83	1.29 *	/	
	13C12-PCB 104	26:28	00:00	0	2346310	1458378	548769	331986	1.61	ABV/ABV	D
	13C12-PCB 95	29:29	00:00	0	85994	53640	18066	11990	1.60	ABV/ABV	D
	13C12-PCB 101	32:20	00:00	0	1833281	1146699	395493	247907	1.60	AVV/AVV	
	13C12-PCB 111	34:58	00:00	0	112266	73722	24669	15018	1.52	ABV/AVV	
	13C12-PCB 123	36:59	00:00	0	3369731	2095999	688766	448563	1.61	ABV/ABV	D
	13C12-PCB 118	37:18	00:00	0	3556977	2189108	731141	454437	1.62	AVV/AVV	D
	13C12-PCB 114	37:50	00:00	0	3447007	2131563	693696	435241	1.62	AVV/AVV	D
	13C12-PCB 105	38:33	00:00	0	3378518	2126828	696796	427221	1.59	ABV/AVV	M
	13C12-PCB 127	39:55	00:00	0	3576456	2227233	749189	461738	1.61	ABV/ABV	
	13C12-PCB 126	41:37	00:00	0	3521544	2214406	713772	444602	1.59	ABV/AVV	M
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	Noise	00:00	00:00	0	250	240	100	96	1.04 *	/	
	PCB 155 (BZ)	32:02	00:00	0	105694	82844	21676	17509	1.28	ABV/ABB	M

Notes:
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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS2	Prep Batch		Lot No	
Data File	/20070313i/a070313i2.d	Prep Date		SDG No	
Analysis ID	96220	Prep Exp Date		Date Received	
Analysis Date	03/13/07 21:18	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	PCB 152 (BZ)	32:22	00:00	0	97775	77107	20540	16187	1.27	AVV/ABV	
	PCB 150 (BZ)	32:30	00:00	0	97670	77655	21095	16443	1.26	AVB/AVB	
	PCB 136 (BZ)	32:58	00:00	0	89943	72862	19440	14423	1.23	ABV/ABV	M
	PCB 145 (BZ)	33:12	00:00	0	94426	74954	21270	15635	1.26	AVB/AVB	
	PCB 148 (BZ)	34:37	00:00	0	71549	56260	14218	12029	1.27	ABB/ABB	
	PCB 151 (BZ)	35:13	00:00	0	0	0	0	0	0.00 *	/	
	PCB 135 (BZ)	35:17	00:00	0	0	0	0	0	0.00 *	/	
	PCB 154 (BZ)	35:25	00:00	0	219858	170660	17864	14492	1.29	AVB/AVB	
	PCB 144 (BZ)	35:48	00:00	0	75105	60747	15351	13055	1.24	ABB/ABB	
	PCB 149 (BZ)	36:10	00:00	0	0	0	0	0	0.00 *	/	
	PCB 147 (BZ)	36:11	00:00	0	210143	165419	38725	29113	1.27	ABV/ABV	
	PCB 134 (BZ)	36:20	00:00	0	0	0	0	0	0.00 *	/	
	PCB 143 (BZ)	36:31	00:00	0	182302	143895	20800	16556	1.27	AVV/AVB	
	PCB 140 (BZ)	36:45	00:00	0	0	0	0	0	0.00 *	/	
	PCB 139 (BZ)	36:45	00:00	0	210896	172619	33877	26812	1.22	AVV/ABV	
	PCB 131 (BZ)	37:02	00:00	0	87359	68348	19295	14296	1.28	AVV/AVV	M
	PCB 142 (BZ)	37:09	00:00	0	94978	69302	18687	14827	1.37	AVB/AVB	
	PCB 132 (BZ)	37:32	00:00	0	90732	72620	18790	14302	1.25	ABB/ABB	M
	PCB 133 (BZ)	37:54	00:00	0	100688	78292	20992	16649	1.29	ABB/AVV	
	PCB 165 (BZ)	38:17	00:00	0	131314	107476	27263	20848	1.22	ABV/AVV	D
	PCB 146 (BZ)	38:32	00:00	0	107836	91624	23215	16957	1.18	AVV/AVV	D
	PCB 161 (BZ)	38:38	00:00	0	141846	100291	26647	21497	1.41	AVB/AVB	D
	PCB 153 (BZ)	39:09	00:00	0	261267	214952	40953	36006	1.22	ABV/ABV	D
	PCB 168 (BZ)	39:11	00:00	0	0	0	0	0	0.00 *	/	
	PCB 141 (BZ)	39:24	00:00	0	100719	80185	20047	17428	1.26	AVV/AVB	M
	PCB 130 (BZ)	39:49	00:00	0	88582	71081	17678	15034	1.25	ABV/ABV	M
	PCB 137 (BZ)	40:01	00:00	0	107596	84470	21019	17409	1.27	AVV/AVV	D
	PCB 164 (BZ)	40:09	00:00	0	131815	104157	27066	20541	1.27	AVB/AVB	M
	PCB 138 (BZ)	40:21	00:00	0	0	0	0	0	0.00 *	/	
	PCB 163 (BZ)	40:22	00:00	0	0	0	0	0	0.00 *	/	
	PCB 129 (BZ)	40:27	00:00	0	454497	364005	51176	40311	1.25	ABV/ABV	
	PCB 160 (BZ)	40:33	00:00	0	0	0	0	0	0.00 *	/	
	PCB 158 (BZ)	40:48	00:00	0	149993	121675	30751	25434	1.23	AVB/AVB	D
	PCB 166 (BZ)	41:39	00:00	0	138072	108335	29287	21613	1.27	ABV/ABV	
	PCB 128 (BZ)	41:46	00:00	0	97884	77444	21510	17407	1.26	AVV/AVV	M
	PCB 159 (BZ)	42:37	00:00	0	141740	112694	27722	22365	1.26	AVB/AVV	D
	PCB 162 (BZ)	42:55	00:00	0	137442	113502	27729	21827	1.21	ABV/AVV	
	PCB 167 (BZ)	43:24	00:00	0	150364	119140	29992	24749	1.26	AVB/AVB	
	PCB 156 (BZ)	44:29	00:00	0	0	0	0	0	0.00 *	/	
	PCB 157 (BZ)	44:34	00:00	0	295005	234343	32650	26235	1.26	ABV/ABV	
	PCB 169 (BZ)	47:48	00:00	0	167649	125099	31241	25493	1.34	AVV/ABB	M
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	Noise	00:00	00:00	0	238	223	95	89	1.07	/	
	13C12-PCB 155	32:00	00:00	0	2003899	1564154	438191	342794	1.28	ABV/ABV	M

Notes:
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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS2	Prep Batch		Lot No	
Data File	/20070313i/a070313i2.d	Prep Date		SDG No	
Analysis ID	96220	Prep Exp Date		Date Received	
Analysis Date	03/13/07 21:18	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	13C12-PCB 153	39:07	00:00	0	113091	89225	24816	19899	1.27	ABV/AVV	D
	13C12-PCB 138	40:25	00:00	0	2197233	1709846	456894	351894	1.29	ABV/ABV	M
	13C12-PCB 167	43:22	00:00	0	2741135	2114865	563255	441842	1.30	AVV/AVV	
	13C12-PCB 157	44:29	00:00	0	0	0	0	0	0.00 *	/	
	13C12-PCB 156	44:37	00:00	0	5389065	4251500	608112	475422	1.27	AVV/ABV	M
	13C12-PCB 169	47:47	00:00	0	2609192	2031604	531039	410001	1.28	ABV/AVV	M
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	Noise	00:00	00:00	0	190	210	76	84	0.90	/	
	PCB 188 (BZ)	37:46	00:00	0	107362	104867	22204	21328	1.02	ABB/ABB	
	PCB 179 (BZ)	38:13	00:00	0	102589	97971	20681	20458	1.05	ABB/ABB	M
	PCB 184 (BZ)	38:37	00:00	0	96365	97351	20146	20986	0.99	ABB/ABB	
	PCB 176 (BZ)	39:04	00:00	0	113005	102169	24119	21122	1.11	ABV/ABB	D
	PCB 186 (BZ)	39:32	00:00	0	101094	92543	19922	18814	1.09	ABB/ABB	D
	PCB 178 (BZ)	40:50	00:00	0	72650	70340	15418	14593	1.03	ABB/ABB	D
	PCB 175 (BZ)	41:27	00:00	0	81340	74391	17877	16597	1.09	ABV/ABV	D
	PCB 187 (BZ)	41:43	00:00	0	81937	80091	16819	17467	1.02	AVV/AVV	D
	PCB 182 (BZ)	41:55	00:00	0	83806	77879	16372	15261	1.08	AVB/AVB	D
	PCB 183 (BZ)	42:19	00:00	0	81839	73507	17103	15303	1.11	ABV/ABV	D
	PCB 185 (BZ)	42:28	00:00	0	79470	74295	17163	15069	1.07	AVV/AVV	D
	PCB 174 (BZ)	42:39	00:00	0	78462	72983	15715	13574	1.08	AVB/AVB	M
	PCB 177 (BZ)	43:05	00:00	0	76359	73699	14606	15494	1.04	ABB/ABB	M
	PCB 181 (BZ)	43:25	00:00	0	82473	76161	16919	15647	1.08	ABB/ABB	D
	PCB 173 (BZ)	43:35	00:00	0	0	0	0	0	0.00 *	/	
	PCB 171 (BZ)	43:42	00:00	0	140881	130674	28675	28086	1.08	ABB/ABB	M
	PCB 172 (BZ)	45:16	00:00	0	75112	68978	15205	13973	1.09	ABB/AVB	D
	PCB 192 (BZ)	45:31	00:00	0	97162	93060	18832	19196	1.04	ABB/ABV	D
	PCB 180 (BZ)	45:51	00:00	0	0	0	0	0	0.00 *	/	
	PCB 193 (BZ)	45:52	00:00	0	183590	177890	27565	26633	1.03	ABV/AVB	D
	PCB 191 (BZ)	46:15	00:00	0	108959	101842	22587	20444	1.07	AVB/ABB	D
	PCB 170 (BZ)	47:13	00:00	0	75522	67453	16322	14570	1.12	ABB/ABV	M
	PCB 190 (BZ)	47:43	00:00	0	108909	107624	22502	20021	1.01	ABV/ABV	D
	PCB 189 (BZ)	50:16	00:00	0	141198	136849	27515	27113	1.03	AVV/AVB	
406					405.8428	407.8398	405.8428	407.8398	0.89-1.21		
	Noise	00:00	00:00	0	190	193	76	77	0.99	/	
	13C12-PCB 188	37:44	00:00	0	2087999	2018728	425288	421403	1.03	ABV/ABV	D
	13C12-PCB 178	40:48	00:00	0	81550	77982	17620	16560	1.05	ABV/ABB	
	13C12-PCB 180	45:53	00:00	0	1701838	1587643	348298	329375	1.07	ABV/ABV	
	13C12-PCB 170	47:12	00:00	0	1417272	1334110	282245	270581	1.06	AVV/AVV	
	13C12-PCB 189	50:15	00:00	0	2650958	2542537	519666	509556	1.04	ABV/ABV	D
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	Noise	00:00	00:00	0	153	155	61	62	0.98	/	
	PCB 202 (BZ)	43:07	00:00	0	70972	83606	14781	17423	0.85	ABB/ABB	
	PCB 200 (BZ)/201 (IUPAC	44:02	00:00	0	80209	91632	16927	19062	0.88	ABB/ABB	
	PCB 204 (BZ)	44:40	00:00	0	76212	86108	16649	18347	0.89	ABV/ABV	

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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS2	Prep Batch		Lot No	
Data File	/20070313i/a070313i2.d	Prep Date		SDG No	
Analysis ID	96220	Prep Exp Date		Date Received	
Analysis Date	03/13/07 21:18	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	PCB 197 (BZ)	44:55	00:00	0	83463	88756	17494	18029	0.94	AVV/AVV	
	PCB 199 (BZ)/200 (IUPAC	45:07	00:00	0	79791	89695	17518	17749	0.89	AVB/AVB	D
	PCB 201 (BZ)/199 (IUPAC	47:49	00:00	0	0	0	0	0	0.00 *	/	
	PCB 198 (BZ)	47:49	00:00	0	110498	126564	13562	15628	0.87	ABB/ABB	D
	PCB 196 (BZ)	48:29	00:00	0	54452	64606	10730	12900	0.84	ABV/ABV	D
	PCB 203 (BZ)	48:41	00:00	0	64981	69549	13089	13330	0.93	AVB/AVV	D
	PCB 195 (BZ)	50:05	00:00	0	74521	83514	14687	16661	0.89	ABB/ABB	M
	PCB 194 (BZ)	52:22	00:00	0	85687	93847	16416	18640	0.91	ABV/ABV	
	PCB 205 (BZ)	52:48	00:00	0	103989	121039	20538	24206	0.86	AVV/ABB	
440					439.8038	441.8008	439.8038	441.8008	0.76-1.02		
	Noise	00:00	00:00	0	180	185	72	74	0.97	/	
	13C12-PCB 202	43:06	00:00	0	1582214	1752236	323042	353386	0.90	ABV/ABV	D
	13C12-PCB 194	52:20	00:00	0	1586388	1689441	320209	338750	0.94	ABV/ABV	
	13C12-PCB 205	52:47	00:00	0	2179267	2424626	437417	487854	0.90	AVV/AVV	
462					461.7246	463.7216	461.7246	463.7216	0.65-0.89		
	Noise	00:00	00:00	0	133	178	53	71	0.75	/	
	PCB 208 (BZ)	49:45	00:00	0	84270	105815	15390	19520	0.80	AVV/AVV	
	PCB 207 (BZ)	50:40	00:00	0	92413	114038	18244	21824	0.81	AVV/AVV	D
	PCB 206 (BZ)	54:31	00:00	0	64496	82766	12785	16133	0.78	ABB/ABB	
474					473.7648	475.7619	473.7648	475.7619	0.65-0.89		
	Noise	00:00	00:00	0	165	200	66	80	0.83	/	
	13C12-PCB 208	49:43	00:00	0	1636064	2068606	321790	409588	0.79	AVV/AVV	
	13C12-PCB 206	54:30	00:00	0	1176169	1500021	239712	303807	0.78	ABV/AVV	
496					495.6856	497.6826	495.6856	497.6826	0.59-0.79		
	Noise	00:00	00:00	0	150	125	60	50	1.20 *	/	
	PCB 209 (BZ)	56:07	00:00	0	59560	85807	10829	14841	0.69	ABB/ABB	
508					507.7258	509.7229	507.7258	509.7229	0.59-0.79		
	Noise	00:00	00:00	0	170	298	68	119	0.57 *	/	
	13C12-PCB 209	56:05	00:00	0	1234508	1737619	232982	316999	0.71	ABV/ABV	

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STL - Knoxville

IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS3	Prep Batch		Lot No	
Data File	/20070313i/a070313i3.d	Prep Date		SDG No	
Analysis ID	96221	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	22:19	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
Total Monochlorobiphenyl		12293535	4585651	1.000		179.236928		179.236928		0.0487
13C12-PCB 1	12:11	6801729	2527099	1.000	100.0	132.234298	132.23	132.234298		0.0449
13C12-PCB 3	14:24	6917149	2431182	1.000	100.0	134.478211	134.48	134.478211		0.0449
PCB 1 (BZ)	12:12	4156028	1749938	1.000	50.00	61.102523	122.21	61.102523		0.0159
PCB 2 (BZ)	14:13	4044327	1430347	1.000	50.00	58.960026	117.92	58.960026		0.0162
PCB 3 (BZ)	14:25	4093180	1405366	1.000	50.00	59.174380	118.35	59.174380		0.0166
Total Dichlorobiphenyl		34972272	9785037	1.000		810.780618		810.780618		0.791
13C12-PCB 4	14:41	3179252	1038191	1.000	100.0	61.808719	61.81	61.808719		0.0428
13C12-PCB 9	16:38	5143695	1581137	1.000	100.0	100.000000	100.00	100.000000		0.0428
13C12-PCB 8	17:31	2702301	784825	1.000	50.00	62.657359	125.31	62.657359		0.0547
13C12-PCB 15	20:39	5446394	1438274	1.000	100.0	105.884855	105.88	105.884855		0.0428
PCB 4 (BZ)	14:42	1868294	624532	1.000	50.00	58.765206	117.53	58.765206		0.0783
PCB 10 (BZ)	14:51	2789604	959086	1.000	50.00	64.681625	129.36	64.681625		0.0656
PCB 9 (BZ)	16:39	2991180	943885	1.000	50.00	69.355501	138.71	69.355501		0.0656
PCB 7 (BZ)	16:49	2981373	908651	1.000	50.00	69.128109	138.26	69.128109		0.0656
PCB 6 (BZ)	17:06	2995450	895078	1.000	50.00	69.454508	138.91	69.454508		0.0656
PCB 5 (BZ)	17:25	2761199	832697	1.000	50.00	64.023008	128.05	64.023008		0.0656
PCB 8 (BZ)	17:32	3126719	907564	1.000	50.00	72.498199	145.00	72.498199		0.0656
PCB 14 (BZ)	19:07	3485637	959583	1.000	50.00	80.820312	161.64	80.820312		0.0656
PCB 11 (BZ)	20:01	2870235	775611	1.000	50.00	66.551189	133.10	66.551189		0.0656
PCB 13 (BZ)	20:20	5879227	1122128	1.000	50.00	136.319691	272.64	136.319691	C12	0.0656
PCB 12 (BZ)	20:25			1.000	50.00			ND	C12	0.0656
PCB 15 (BZ)	20:40	3223354	856222	1.000	50.00	59.183269	118.37	59.183269		0.0565
Total Trichlorobiphenyl		75327437	16219759	1.000		1592.41654		1592.41654		1.84
13C12-PCB 19	17:52	2257323	658307	1.000	100.0	56.186920	56.19	56.186920		0.0868
13C12-PCB 32	21:06	4017524	1030565	1.000	100.0	100.000000	100.00	100.000000		0.0868
13C12-PCB 31	23:22	7123489	1736318	1.000	100.0	100.000000	100.00	100.000000		0.0515
13C12-PCB 28	23:38	3204512	735241	1.000	50.00	44.985147	89.97	44.985147		0.0515
13C12-PCB 37	27:43	6270793	1362508	1.000	100.0	88.029798	88.03	88.029798		0.0515
PCB 19 (BZ)	17:53	1327373	379774	1.000	50.00	58.802971	117.61	58.802971		0.117
PCB 30 (BZ)	19:36	2034606	532615	1.000	50.00	90.133579	180.27	90.133579		0.117
PCB 18 (BZ)	19:44	1418210	373088	1.000	50.00	62.827074	125.65	62.827074		0.117
PCB 17 (BZ)	20:08	1458025	373749	1.000	50.00	64.590889	129.18	64.590889		0.117
PCB 27 (BZ)	20:22	2178272	564281	1.000	50.00	96.498020	193.00	96.498020		0.117
PCB 24 (BZ)	20:29	1906789	511458	1.000	50.00	84.471252	168.94	84.471252		0.117
PCB 16 (BZ)	20:39	1258967	329861	1.000	50.00	55.772568	111.55	55.772568		0.117
PCB 32 (BZ)	21:09	2214167	536769	1.000	50.00	98.088178	196.18	98.088178		0.117
PCB 34 (BZ)	22:21	3747912	948669	1.000	50.00	59.767752	119.54	59.767752		0.0565
PCB 23 (BZ)	22:29	3784139	944074	1.000	50.00	60.345462	120.69	60.345462		0.0565
PCB 29 (BZ)	22:55			1.000	50.00			ND	C26	0.0565
PCB 26 (BZ)	22:49	7702240	1768085	1.000	50.00	122.827209	245.65	122.827209	C26	0.0565
PCB 25 (BZ)	23:04	4277954	987344	1.000	50.00	68.220303	136.44	68.220303		0.0565
PCB 31 (BZ)	23:24	3949495	942999	1.000	50.00	62.982385	125.96	62.982385		0.0565
PCB 28 (BZ)	23:41	7344655	933717	1.000	50.00	117.124820	234.25	117.124820	C20	0.0565
PCB 20 (BZ)	23:45			1.000	50.00			ND	C20	0.0565
PCB 21 (BZ)	23:57	7800898	934023	1.000	50.00	124.400502	248.80	124.400502	C21	0.0565
PCB 33 (BZ)	23:59			1.000	50.00			ND	C21	0.0565
PCB 22 (BZ)	24:22	3754557	894388	1.000	50.00	59.873719	119.75	59.873719		0.0565
PCB 36 (BZ)	25:51	4001317	883237	1.000	50.00	63.808788	127.62	63.808788		0.0565

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IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS3	Prep Batch		Lot No	
Data File	/20070313i/a070313i3.d	Prep Date		SDG No	
Analysis ID	96221	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	22:19	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 39 (BZ)	26:14	4030608	917657	1.000	50.00	64.275890	128.55	64.275890		0.0565
PCB 38 (BZ)	26:48	3800843	829085	1.000	50.00	60.611840	121.22	60.611840		0.0565
PCB 35 (BZ)	27:20	3639588	819699	1.000	50.00	58.040315	116.08	58.040315		0.0565
PCB 37 (BZ)	27:46	3696822	815187	1.000	50.00	58.953022	117.91	58.953022		0.0565
Total Tetrachlorobiphenyl		104027070	20558496	1.000		2279.15229		2279.15229		4.20
13C12-PCB 54	21:00	2409510	611034	1.000	100.0	59.975000	59.97	59.975000		0.0359
13C12-PCB 52	25:30	3590763	855248	1.000	100.0	100.000000	100.00	100.000000		0.0433
13C12-PCB 79	33:26	2469652	516437	1.000	50.00	53.435633	106.87	53.435633		0.0386
13C12-PCB 81	34:28	4592417	951374	1.000	100.0	127.895297	127.90	127.895297		0.0433
13C12-PCB 77	35:03	4651048	964401	1.000	100.0	129.528125	129.53	129.528125		0.0433
PCB 54 (BZ)	21:01	1424134	352715	1.000	50.00	59.104714	118.21	59.104714		0.155
PCB 50 (BZ)	23:13			1.000	50.00			ND	C50	0.0987
PCB 53 (BZ)	23:08	4166710	711674	1.000	50.00	90.154720	180.31	90.154720	C50	0.0987
PCB 45 (BZ)	23:52	3847900	676825	1.000	50.00	83.256658	166.51	83.256658	C45	0.0987
PCB 51 (BZ)	23:55			1.000	50.00			ND	C45	0.0987
PCB 46 (BZ)	24:11	1635739	377901	1.000	50.00	35.392334	70.78	35.392334		0.0987
PCB 52 (BZ)	25:31	2110691	504182	1.000	50.00	45.668827	91.34	45.668827		0.0987
PCB 73 (BZ)	25:39	4312159	630678	1.000	50.00	93.301787	186.60	93.301787	C43	0.0987
PCB 43 (BZ)	25:47			1.000	50.00			ND	C43	0.0987
PCB 69 (BZ)	25:54	2519225	622253	1.000	50.00	54.508239	109.02	54.508239		0.0987
PCB 49 (BZ)	26:00	2305311	541863	1.000	50.00	49.879802	99.76	49.879802		0.0987
PCB 48 (BZ)	26:17	1964641	467495	1.000	50.00	42.508756	85.02	42.508756		0.0987
PCB 65 (BZ)	26:34			1.000	50.00			ND	C44	0.0987
PCB 47 (BZ)	26:35			1.000	50.00			ND	C44	0.0987
PCB 44 (BZ)	26:32	6684618	1062401	1.000	50.00	144.634463	289.27	144.634463	C44	0.0987
PCB 62 (BZ)	26:49	8573750	925328	1.000	50.00	185.509438	371.02	185.509438	C59	0.0987
PCB 75 (BZ)	26:56			1.000	50.00			ND	C59	0.0987
PCB 59 (BZ)	26:52			1.000	50.00			ND	C59	0.0987
PCB 42 (BZ)	27:05	1929243	437275	1.000	50.00	41.742853	83.49	41.742853		0.0987
PCB 41 (BZ)	27:29	1669073	387016	1.000	50.00	36.113579	72.23	36.113579		0.0987
PCB 71 (BZ)	27:34			1.000	50.00			ND	C40	0.0987
PCB 40 (BZ)	27:36	4287955	780223	1.000	50.00	92.778087	185.56	92.778087	C40	0.0987
PCB 64 (BZ)	27:48	2952268	662850	1.000	50.00	63.877951	127.76	63.877951		0.0987
PCB 72 (BZ)	28:32	2763740	626407	1.000	50.00	59.798788	119.60	59.798788		0.0987
PCB 68 (BZ)	28:50	2941238	641080	1.000	50.00	63.639295	127.28	63.639295		0.0987
PCB 57 (BZ)	29:16	2662886	586076	1.000	50.00	57.616619	115.23	57.616619		0.0987
PCB 58 (BZ)	29:32	2832237	605077	1.000	50.00	61.280851	122.56	61.280851		0.0987
PCB 67 (BZ)	29:41	2874251	634226	1.000	50.00	62.189904	124.38	62.189904		0.0987
PCB 63 (BZ)	29:56	2994331	639796	1.000	50.00	64.788064	129.58	64.788064		0.0987
PCB 61 (BZ)	30:10	2635929	583229	1.000	50.00	57.033353	114.07	57.033353		0.0987
PCB 70 (BZ)	30:20	8554343	1686173	1.000	50.00	185.089531	370.18	185.089531	C70	0.0987
PCB 76 (BZ)	30:19			1.000	50.00			ND	C70	0.0987
PCB 74 (BZ)	30:22			1.000	50.00			ND	C70	0.0987
PCB 66 (BZ)	30:39	2849131	618817	1.000	50.00	61.646385	123.29	61.646385		0.0987
PCB 55 (BZ)	30:50	2571584	572863	1.000	50.00	55.641126	111.28	55.641126		0.0987
PCB 56 (BZ)	31:22	2714975	588649	1.000	50.00	58.743664	117.49	58.743664		0.0987
PCB 60 (BZ)	31:34	2630390	584264	1.000	50.00	56.913506	113.83	56.913506		0.0987
PCB 80 (BZ)	31:50	3195248	697812	1.000	50.00	69.135286	138.27	69.135286		0.0987
PCB 79 (BZ)	33:27	3120685	656382	1.000	50.00	67.521974	135.04	67.521974		0.0987

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IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS3	Prep Batch		Lot No	
Data File	/20070313i/a070313i3.d	Prep Date		SDG No	
Analysis ID	96221	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	22:19	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 78 (BZ)	34:00	2644541	540706	1.000	50.00	57.219690	114.44	57.219690		0.0987
PCB 81 (BZ)	34:29	2947053	586659	1.000	50.00	64.172156	128.34	64.172156		0.0993
PCB 77 (BZ)	35:05	2711091	569601	1.000	50.00	58.289895	116.58	58.289895		0.0980
Total Pentachlorobiphenyl		87331656	16028897	1.000		2147.65472		2147.65472		4.95
13C12-PCB 104	26:26	3596577	811334	1.000	100.0	127.958868	127.96	127.958868		0.0761
13C12-PCB 95	29:27	1291019	283598	1.000	50.00	35.895770	71.79	35.895770		0.0573
13C12-PCB 101	32:19	2810729	611370	1.000	100.0	100.000000	100.00	100.000000		0.0761
13C12-PCB 111	34:56	1697654	361856	1.000	50.00	60.399064	120.80	60.399064		0.0761
13C12-PCB 123	36:58	5252518	1098918	1.000	100.0	96.023709	96.02	96.023709		0.0405
13C12-PCB 118	37:17	5434056	1146549	1.000	100.0	99.342489	99.34	99.342489		0.0405
13C12-PCB 114	37:50	5311369	1078831	1.000	100.0	97.099591	97.10	97.099591		0.0405
13C12-PCB 105	38:32	5141187	1060630	1.000	100.0	93.988415	93.99	93.988415		0.0405
13C12-PCB 127	39:54	5470022	1148263	1.000	100.0	100.000000	100.00	100.000000		0.0405
13C12-PCB 126	41:36	5359493	1074448	1.000	100.0	97.979368	97.98	97.979368		0.0405
PCB 104 (BZ)	26:27	1990697	469261	1.000	50.00	55.349767	110.70	55.349767		0.115
PCB 96 (BZ)	26:56	1793646	408932	1.000	50.00	49.870919	99.74	49.870919		0.115
PCB 103 (BZ)	28:43	1483188	328876	1.000	50.00	41.238878	82.48	41.238878		0.115
PCB 94 (BZ)	29:00	1266188	291069	1.000	50.00	35.205363	70.41	35.205363		0.115
PCB 95 (BZ)	29:34	2978132	364427	1.000	50.00	82.804622	165.61	82.804622	C95	0.115
PCB 100 (BZ)	29:34			1.000	50.00			ND	C95	0.115
PCB 93 (BZ)	29:41	1228772	291326	1.000	50.00	34.165041	68.33	34.165041		0.115
PCB 102 (BZ)	29:48	2889516	377782	1.000	50.00	80.340724	160.68	80.340724	C98	0.115
PCB 98 (BZ)	29:53			1.000	50.00			ND	C98	0.115
PCB 88 (BZ)	30:12	1259355	274754	1.000	50.00	35.015377	70.03	35.015377		0.115
PCB 91 (BZ)	30:20	1509265	325201	1.000	50.00	41.963928	83.93	41.963928		0.115
PCB 84 (BZ)	30:37	1159849	252987	1.000	50.00	32.248691	64.50	32.248691		0.115
PCB 89 (BZ)	31:04	1275066	278695	1.000	50.00	35.452209	70.90	35.452209		0.115
PCB 121 (BZ)	31:18	1964878	435789	1.000	50.00	54.631890	109.26	54.631890		0.115
PCB 92 (BZ)	31:45	1383732	307592	1.000	50.00	38.473582	76.95	38.473582		0.115
PCB 113 (BZ)	32:19	5026426	900320	1.000	50.00	139.755829	279.51	139.755829	C90	0.115
PCB 90 (BZ)	32:20			1.000	50.00			ND	C90	0.115
PCB 101 (BZ)	32:20			1.000	50.00			ND	C90	0.115
PCB 83 (BZ)	32:53	2767486	510668	1.000	50.00	76.947776	153.90	76.947776	C83	0.115
PCB 99 (BZ)	32:56			1.000	50.00			ND	C83	0.115
PCB 112 (BZ)	33:02	1876839	392973	1.000	50.00	52.184035	104.37	52.184035		0.115
PCB 109 (BZ)/108 (IUPAC)	33:22	9956377	821285	1.000	50.00	276.829246	553.66	276.829246	C86	0.115
PCB 86 (BZ)	33:24			1.000	50.00			ND	C86	0.115
PCB 119 (BZ)	33:25			1.000	50.00			ND	C86	0.115
PCB 97 (BZ)	33:25			1.000	50.00			ND	C86	0.115
PCB 125 (BZ)	33:29			1.000	50.00			ND	C86	0.115
PCB 87 (BZ)	33:32			1.000	50.00			ND	C86	0.115
PCB 117 (BZ)	34:04	5085423	452094	1.000	50.00	141.396194	282.79	141.396194	C85	0.115
PCB 116 (BZ)	34:09			1.000	50.00			ND	C85	0.115
PCB 85 (BZ)	34:09			1.000	50.00			ND	C85	0.115
PCB 110 (BZ)	34:16			1.000	50.00			ND	C110	0.115
PCB 115 (BZ)	34:23	3906550	849616	1.000	50.00	108.618556	217.24	108.618556	C110	0.115
PCB 82 (BZ)	34:45	1078496	240102	1.000	50.00	29.986735	59.97	29.986735		0.115
PCB 111 (BZ)	34:57	1945642	426594	1.000	50.00	54.097048	108.19	54.097048		0.115
PCB 120 (BZ)	35:25	2091310	436809	1.000	50.00	58.147233	116.29	58.147233		0.115

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PCB's by EPA Method 1668A

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Workorder	2990:71CS3	Prep Batch		Lot No	
Data File	/20070313i/a070313i3.d	Prep Date		SDG No	
Analysis ID	96221	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	22:19	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 124 (BZ)	36:38	5570994	1174625	1.000	50.00	105.118557	210.24	105.118557	C108	0.0852
PCB 108 (BZ)/107 (IUPAC)	36:35			1.000	50.00			ND	C108	0.0852
PCB 107 (BZ)/109 (IUPAC)	36:52	2761136	577512	1.000	50.00	52.099613	104.20	52.099613		0.0852
PCB 123 (BZ)	36:59	2801961	633496	1.000	50.00	53.345100	106.69	53.345100		0.0846
PCB 106 (BZ)	37:06	2799678	565854	1.000	50.00	52.826858	105.65	52.826858		0.0852
PCB 118 (BZ)	37:18	2912807	639175	1.000	50.00	53.602815	107.21	53.602815		0.0811
PCB 122 (BZ)	37:42	2688398	566540	1.000	50.00	50.727126	101.45	50.727126		0.0852
PCB 114 (BZ)	37:51	3015041	628608	1.000	50.00	56.765798	113.53	56.765798		0.0862
PCB 105 (BZ)	38:33	3065311	618832	1.000	50.00	59.622632	119.25	59.622632		0.0877
PCB 127 (BZ)	39:55	2912094	594112	1.000	50.00	54.948025	109.90	54.948025		0.0852
PCB 126 (BZ)	41:37	2887403	592991	1.000	50.00	53.874555	107.75	53.874555		0.0866
Total Hexachlorobiphenyl		79753753	14034255	1.000		1885.04295		1885.04295		5.74
13C12-PCB 155	31:59	3321153	731802	1.000	100.0	118.159844	118.16	118.159844		0.0699
13C12-PCB 153	39:05	1827310	382420	1.000	50.00	40.538860	81.08	40.538860		0.0607
13C12-PCB 138	40:24	3634661	758789	1.000	100.0	100.000000	100.00	100.000000		0.0563
13C12-PCB 167	43:21	4576035	916740	1.000	100.0	125.899912	125.90	125.899912		0.0563
13C12-PCB 156	44:36	9077386	1008578	1.000	200.0	249.745052	124.87	249.745052		0.0563
13C12-PCB 157								ND		0.000000
13C12-PCB 169	47:46	4376785	889572	1.000	100.0	120.417970	120.42	120.417970		0.0563
PCB 155 (BZ)	32:00	1807047	392995	1.000	50.00	54.410230	108.82	54.410230		0.132
PCB 152 (BZ)	32:21	1701799	358960	1.000	50.00	51.241211	102.48	51.241211		0.132
PCB 150 (BZ)	32:29	1658339	363712	1.000	50.00	49.932629	99.87	49.932629		0.132
PCB 136 (BZ)	32:56	1595280	340915	1.000	50.00	48.033921	96.07	48.033921		0.132
PCB 145 (BZ)	33:10	1632088	352448	1.000	50.00	49.142211	98.28	49.142211		0.132
PCB 148 (BZ)	34:34	1214645	273154	1.000	50.00	36.572991	73.15	36.572991		0.132
PCB 151 (BZ)	35:12			1.000	50.00			ND	C135	0.132
PCB 135 (BZ)	35:16			1.000	50.00			ND	C135	0.132
PCB 154 (BZ)	35:24	3731584	310312	1.000	50.00	112.358088	224.72	112.358088	C135	0.132
PCB 144 (BZ)	35:47	1230106	267868	1.000	50.00	37.038522	74.08	37.038522		0.132
PCB 147 (BZ)	36:09	3859584	680982	1.000	50.00	85.624845	171.25	85.624845	C147	0.137
PCB 149 (BZ)	36:08			1.000	50.00			ND	C147	0.137
PCB 134 (BZ)	36:19			1.000	50.00			ND	C134	0.137
PCB 143 (BZ)	36:29	3112099	355883	1.000	50.00	69.041896	138.08	69.041896	C134	0.137
PCB 139 (BZ)	36:44	3668673	585200	1.000	50.00	81.389486	162.78	81.389486	C139	0.137
PCB 140 (BZ)	36:43			1.000	50.00			ND	C139	0.137
PCB 131 (BZ)	37:00	1474947	317385	1.000	50.00	32.721689	65.44	32.721689		0.137
PCB 142 (BZ)	37:08	1592221	311243	1.000	50.00	35.323412	70.65	35.323412		0.137
PCB 132 (BZ)	37:31	1540085	320080	1.000	50.00	34.166775	68.33	34.166775		0.137
PCB 133 (BZ)	37:52	1728226	358861	1.000	50.00	38.340682	76.68	38.340682		0.137
PCB 165 (BZ)	38:15	2189341	455514	1.000	50.00	48.570516	97.14	48.570516		0.137
PCB 146 (BZ)	38:30	1928956	402240	1.000	50.00	42.793876	85.59	42.793876		0.137
PCB 161 (BZ)	38:37	2383471	505228	1.000	50.00	52.877288	105.75	52.877288		0.137
PCB 153 (BZ)	39:08	4650953	763593	1.000	50.00	103.181361	206.36	103.181361	C153	0.137
PCB 168 (BZ)	39:09			1.000	50.00			ND	C153	0.137
PCB 141 (BZ)	39:23	1700395	351989	1.000	50.00	37.723252	75.45	37.723252		0.137
PCB 130 (BZ)	39:48	1547838	316194	1.000	50.00	34.338776	68.68	34.338776		0.137
PCB 137 (BZ)	39:58	1858523	397012	1.000	50.00	41.231320	82.46	41.231320		0.137
PCB 164 (BZ)	40:08	2218285	466928	1.000	50.00	49.212638	98.43	49.212638		0.137
PCB 138 (BZ)	40:20			1.000	50.00			ND	C129	0.137

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS3	Prep Batch		Lot No	
Data File	/20070313i/a070313i3.d	Prep Date		SDG No	
Analysis ID	96221	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	22:19	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 163 (BZ)	40:21			1.000	50.00			ND	C129	0.137
PCB 129 (BZ)	40:26	7926276	871530	1.000	50.00	175.844380	351.69	175.844380	C129	0.137
PCB 160 (BZ)	40:31			1.000	50.00			ND	C129	0.137
PCB 158 (BZ)	40:48	2583072	518354	1.000	50.00	57.305435	114.61	57.305435		0.137
PCB 166 (BZ)	41:38	2357041	476783	1.000	50.00	52.290939	104.58	52.290939		0.137
PCB 128 (BZ)	41:45	1643776	341759	1.000	50.00	36.467160	72.93	36.467160		0.137
PCB 159 (BZ)	42:36	2394026	487884	1.000	50.00	53.111451	106.22	53.111451		0.137
PCB 162 (BZ)	42:54	2357637	489719	1.000	50.00	52.304161	104.61	52.304161		0.137
PCB 167 (BZ)	43:22	2538462	513617	1.000	50.00	55.472959	110.95	55.472959		0.105
PCB 156 (BZ)	44:37	5129790	551283	1.000	100.0	113.023507	113.02	113.023507	C156	0.191
PCB 157 (BZ)	44:29			1.000				ND	C156	0.191
PCB 169 (BZ)	47:47	2799188	534630	1.000	50.00	63.955346	127.91	63.955346		0.108
Total Heptachlorobiphenyl		40168871	8080380	1.000		1220.53192		1220.53192		2.62
13C12-PCB 188	37:43	3836741	816375	1.000	100.0	124.845145	124.85	124.845145		0.0630
13C12-PCB 178	40:48	1230335	249178	1.000	50.00	40.034329	80.07	40.034329		0.0630
13C12-PCB 180	45:52	3073200	614739	1.000	100.0	100.000000	100.00	100.000000		0.0630
13C12-PCB 170	47:11	2586694	528236	1.000	100.0	84.169400	84.17	84.169400		0.0630
13C12-PCB 189	50:14	4940301	1004779	1.000	100.0	162.263144	162.26	162.263144		0.0632
PCB 188 (BZ)	37:44	2002041	430425	1.000	50.00	52.180770	104.36	52.180770		0.0910
PCB 179 (BZ)	38:11	1876175	390279	1.000	50.00	58.416564	116.83	58.416564		0.110
PCB 184 (BZ)	38:35	1826690	378432	1.000	50.00	56.875799	113.75	56.875799		0.110
PCB 176 (BZ)	39:02	1968394	397625	1.000	50.00	61.287893	122.58	61.287893		0.110
PCB 186 (BZ)	39:31	1910597	398555	1.000	50.00	59.488327	118.98	59.488327		0.110
PCB 178 (BZ)	40:49	1357739	279272	1.000	50.00	42.274546	84.55	42.274546		0.110
PCB 175 (BZ)	41:26	1450260	297658	1.000	50.00	45.155279	90.31	45.155279		0.110
PCB 187 (BZ)	41:42	1566654	325974	1.000	50.00	48.779321	97.56	48.779321		0.110
PCB 182 (BZ)	41:54	1542134	324141	1.000	50.00	48.015867	96.03	48.015867		0.110
PCB 183 (BZ)	42:18	1537115	323377	1.000	50.00	47.859595	95.72	47.859595		0.110
PCB 185 (BZ)	42:27	1443686	297865	1.000	50.00	44.950591	89.90	44.950591		0.110
PCB 174 (BZ)	42:38	1445996	301382	1.000	50.00	45.022515	90.05	45.022515		0.110
PCB 177 (BZ)	43:03	1420101	282125	1.000	50.00	44.216249	88.43	44.216249		0.110
PCB 181 (BZ)	43:24	1517022	310029	1.000	50.00	47.233980	94.47	47.233980		0.110
PCB 171 (BZ)	43:40	2663043	556003	1.000	50.00	82.916477	165.83	82.916477	C171	0.110
PCB 173 (BZ)	43:33			1.000	50.00			ND	C171	0.110
PCB 172 (BZ)	45:14	1312051	274599	1.000	50.00	40.852005	81.70	40.852005		0.110
PCB 192 (BZ)	45:30	1780108	369151	1.000	50.00	55.425423	110.85	55.425423		0.110
PCB 193 (BZ)	45:51	3534034	533647	1.000	50.00	110.035643	220.07	110.035643	C180	0.110
PCB 180 (BZ)	45:50			1.000	50.00			ND	C180	0.110
PCB 191 (BZ)	46:14	1973553	398448	1.000	50.00	61.448524	122.90	61.448524		0.110
PCB 170 (BZ)	47:12	1296086	259678	1.000	50.00	50.105888	100.21	50.105888		0.141
PCB 190 (BZ)	47:42	2013524	392784	1.000	50.00	62.693061	125.39	62.693061		0.110
PCB 189 (BZ)	50:16	2731868	558931	1.000	50.00	55.297602	110.60	55.297602		0.0739
Total Octachlorobiphenyl		17807261	3378981	1.000		524.897780		524.897780		0.900
13C12-PCB 202	43:05	3118399	620488	1.000	100.0	101.470747	101.47	101.470747		0.0512
13C12-PCB 194	52:19	3044623	612675	1.000	100.0	100.000000	100.00	100.000000		0.0514
13C12-PCB 205	52:46	4290034	857562	1.000	100.0	140.905262	140.91	140.905262		0.0514
PCB 202 (BZ)	43:06	1499575	312030	1.000	50.00	48.087977	96.18	48.087977		0.0806
PCB 200 (BZ)/201 (IUPAC)	44:00	1651372	324360	1.000	50.00	52.955764	105.91	52.955764		0.0806
PCB 204 (BZ)	44:38	1539149	305990	1.000	50.00	49.357026	98.71	49.357026		0.0806

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS3	Prep Batch		Lot No	
Data File	/20070313i/a070313i3.d	Prep Date		SDG No	
Analysis ID	96221	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	22:19	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 197 (BZ)	44:53	1593280	322545	1.000	50.00	51.092885	102.19	51.092885		0.0806
PCB 199 (BZ)/200 (IUPAC)	45:06	1577591	315866	1.000	50.00	50.589774	101.18	50.589774		0.0806
PCB 198 (BZ)	47:49			1.000	50.00			ND	C198	0.0806
PCB 201 (BZ)/199 (IUPAC)	47:49	2252808	261694	1.000	50.00	72.242455	144.48	72.242455	C198	0.0806
PCB 196 (BZ)	48:28	1162009	233621	1.000	50.00	37.262999	74.53	37.262999		0.0806
PCB 203 (BZ)	48:39	1263000	253477	1.000	50.00	40.501552	81.00	40.501552		0.0806
PCB 195 (BZ)	50:03	1550952	310597	1.000	50.00	36.152441	72.30	36.152441		0.0583
PCB 194 (BZ)	52:20	1659448	335260	1.000	50.00	38.681465	77.36	38.681465		0.0583
PCB 205 (BZ)	52:48	2058077	403541	1.000	50.00	47.973443	95.95	47.973443		0.0583
Total Nonachlorobiphenyl		4938167	969415	1.000		162.892440		162.892440		0.188
13C12-PCB 208	49:42	3565251	705783	1.000	100.0	117.099917	117.10	117.099917		0.0604
13C12-PCB 206	54:29	2521286	492671	1.000	100.0	82.811107	82.81	82.811107		0.0604
PCB 208 (BZ)	49:44	1756248	348463	1.000	50.00	49.260150	98.52	49.260150		0.0521
PCB 207 (BZ)	50:38	1847734	359170	1.000	50.00	60.715445	121.43	60.715445		0.0613
PCB 206 (BZ)	54:30	1334185	261782	1.000	50.00	52.916845	105.83	52.916845		0.0746
13C12-PCB 209	56:04	2872594	530716	1.000	100.0	94.349744	94.35	94.349744		0.0567
PCB 209 (BZ)	56:05	1435677	264980	1.000	50.00	49.978417	99.96	49.978417		0.0485

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS3	Prep Batch		Lot No	
Data File	/20070313i/a070313i3.d	Prep Date		SDG No	
Analysis ID	96221	Prep Exp Date		Date Received	
Analysis Date	03/13/07 22:19	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
188					188.0393	190.0363	188.0393	190.0363	2.66-3.60		
	Noise	00:00	00:00	0	238	165	95	66	1.44 *	/	
	PCB 1 (BZ)	12:12	00:00	0	3172478	983550	1328646	421292	3.23	AVV/AVV	M
	PCB 2 (BZ)	14:13	00:00	0	3091086	953241	1093316	337031	3.24	ABV/ABV	
	PCB 3 (BZ)	14:25	00:00	0	3115413	977767	1071238	334128	3.19	AVB/AVB	
200					200.0795	202.0766	200.0795	202.0766	2.66-3.60		
	Noise	00:00	00:00	0	340	370	136	148	0.92 *	/	
	13C12-PCB 1	12:11	00:00	0	5173637	1628092	1898513	628586	3.18	AVV/AVV	
	13C12-PCB 3	14:24	00:00	0	5292526	1624623	1857724	573458	3.26	ABV/AVV	
222					222.0003	223.9974	222.0003	223.9974	1.33-1.79		
	Noise	00:00	00:00	0	385	428	154	171	0.90 *	/	
	PCB 4 (BZ)	14:42	00:00	0	1141144	727150	379380	245152	1.57	ABV/ABV	
	PCB 10 (BZ)	14:51	00:00	0	1709857	1079747	585590	373496	1.58	AVV/AVV	
	PCB 9 (BZ)	16:39	00:00	0	1835367	1155813	574568	369317	1.59	ABV/ABV	
	PCB 7 (BZ)	16:49	00:00	0	1827519	1153854	553597	355054	1.58	AVV/AVV	D
	PCB 6 (BZ)	17:06	00:00	0	1845090	1150360	554917	340161	1.60	AVV/AVV	
	PCB 5 (BZ)	17:25	00:00	0	1706064	1055135	517024	315673	1.62	AVV/AVV	
	PCB 8 (BZ)	17:32	00:00	0	1911416	1215303	555835	351729	1.57	AVB/AVB	
	PCB 14 (BZ)	19:07	00:00	0	2141035	1344602	593207	366376	1.59	ABV/ABV	M
	PCB 11 (BZ)	20:01	00:00	0	1759681	1110554	477463	298148	1.58	MBV/MVV	
	PCB 13 (BZ)	20:20	00:00	0	3600549	2278678	689202	432926	1.58	AVV/AVV	
	PCB 12 (BZ)	20:25	00:00	0	0	0	0	0	0.00 *	/	
	PCB 15 (BZ)	20:40	00:00	0	1967388	1255966	522695	333527	1.57	AVV/AVV	
234					234.0406	236.0376	234.0406	236.0376	1.33-1.79		
	Noise	00:00	00:00	0	418	260	167	104	1.61	/	
	13C12-PCB 4	14:41	00:00	0	1957033	1222219	634894	403297	1.60	ABV/ABV	
	13C12-PCB 9	16:38	00:00	0	3181709	1961986	975740	605397	1.62	AVV/ABV	
	13C12-PCB 8	17:31	00:00	0	1666033	1036268	484835	299990	1.61	AVV/AVV	
	13C12-PCB 15	20:39	00:00	0	3359389	2087005	890936	547338	1.61	AVV/ABV	
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	Noise	00:00	00:00	0	350	420	140	168	0.83 *	/	
	PCB 19 (BZ)	17:53	00:00	0	680765	646608	194185	185589	1.05	ABV/ABV	
	PCB 30 (BZ)	19:36	00:00	0	1043761	990845	275487	257128	1.05	ABV/ABV	M
	PCB 18 (BZ)	19:44	00:00	0	729470	688740	191496	181592	1.06	AVB/AVB	M
	PCB 17 (BZ)	20:08	00:00	0	755244	702781	193859	179890	1.07	ABV/ABV	
	PCB 27 (BZ)	20:22	00:00	0	1132218	1046054	291727	272554	1.08	AVV/AVV	
	PCB 24 (BZ)	20:29	00:00	0	976621	930168	262898	248560	1.05	AVV/AVV	
	PCB 16 (BZ)	20:39	00:00	0	651680	607287	165682	164179	1.07	AVB/AVB	
	PCB 32 (BZ)	21:09	00:00	0	1137804	1076363	271646	265123	1.06	ABV/ABV	
	PCB 34 (BZ)	22:21	00:00	0	1942265	1805647	494610	454059	1.08	ABV/ABV	M
	PCB 23 (BZ)	22:29	00:00	0	1947588	1836551	486863	457211	1.06	AVB/AVB	DM
	PCB 26 (BZ)	22:49	00:00	0	3991284	3710956	914378	853707	1.08	ABV/ABV	M
	PCB 29 (BZ)	22:55	00:00	0	0	0	0	0	0.00 *	/	
	PCB 25 (BZ)	23:04	00:00	0	2210532	2067422	511781	475563	1.07	AVV/AVV	D

Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside cemax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

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IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS3	Prep Batch		Lot No	
Data File	/20070313i/a070313i3.d	Prep Date		SDG No	
Analysis ID	96221	Prep Exp Date		Date Received	
Analysis Date	03/13/07 22:19	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	PCB 31 (BZ)	23:24	00:00	0	2052467	1897028	488935	454064	1.08	AVV/AVV	D
	PCB 28 (BZ)	23:41	00:00	0	3800228	3544427	479938	453779	1.07	AVV/AVV	D
	PCB 20 (BZ)	23:45	00:00	0	0	0	0	0	0.00 *	/	
	PCB 21 (BZ)	23:57	00:00	0	4029331	3771567	488332	445691	1.07	AVV/AVV	
	PCB 33 (BZ)	23:59	00:00	0	0	0	0	0	0.00 *	/	
	PCB 22 (BZ)	24:22	00:00	0	1931311	1823246	463173	431215	1.06	AVV/AVV	D
	PCB 36 (BZ)	25:51	00:00	0	2056591	1944726	458925	424312	1.06	AVV/AVV	M
	PCB 39 (BZ)	26:14	00:00	0	2085548	1945060	480062	437595	1.07	AVV/AVV	D
	PCB 38 (BZ)	26:48	00:00	0	1971860	1828983	429789	399296	1.08	AVV/AVV	M
	PCB 35 (BZ)	27:20	00:00	0	1880362	1759226	428972	390727	1.07	AVV/AVV	
	PCB 37 (BZ)	27:46	00:00	0	1911614	1785208	420747	394440	1.07	AVV/AVV	
268					268.0016	269.9986	268.0016	269.9986	0.88-1.20		
	Noise	00:00	00:00	0	553	343	221	137	1.61 *	/	
	13C12-PCB 19	17:52	00:00	0	1170485	1086838	343533	314774	1.08	AVV/AVV	
	13C12-PCB 32	21:06	00:00	0	2084402	1933122	531553	499012	1.08	ABV/ABV	
	13C12-PCB 31	23:22	00:00	0	3642626	3480863	881620	854698	1.05	ABV/ABV	
	13C12-PCB 28	23:38	00:00	0	1636060	1568452	373935	361306	1.04	AVV/AVV	
	13C12-PCB 37	27:43	00:00	0	3217645	3053148	695816	666692	1.05	AVV/ABV	
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	Noise	00:00	00:00	0	480	465	192	186	1.03 *	/	
	PCB 54 (BZ)	21:01	00:00	0	624748	799386	154784	197931	0.78	ABV/ABV	
	PCB 53 (BZ)	23:08	00:00	0	1846664	2320046	315967	395707	0.80	ABV/ABV	
	PCB 50 (BZ)	23:13	00:00	0	0	0	0	0	0.00 *	/	
	PCB 45 (BZ)	23:52	00:00	0	1692678	2155222	293758	383067	0.79	AVV/AVV	
	PCB 51 (BZ)	23:55	00:00	0	0	0	0	0	0.00 *	/	
	PCB 46 (BZ)	24:11	00:00	0	722781	912958	167854	210047	0.79	AVV/AVV	D
	PCB 52 (BZ)	25:31	00:00	0	935959	1174732	227714	276468	0.80	ABV/ABV	D
	PCB 73 (BZ)	25:39	00:00	0	1885096	2427063	272829	357849	0.78	AVV/AVV	
	PCB 43 (BZ)	25:47	00:00	0	0	0	0	0	0.00 *	/	
	PCB 69 (BZ)	25:54	00:00	0	1110934	1408291	271069	351184	0.79	MVB/AVV	M
	PCB 49 (BZ)	26:00	00:00	0	1008023	1297288	236337	305526	0.78	MVV/AVB	M
	PCB 48 (BZ)	26:17	00:00	0	855478	1109163	203546	263949	0.77	ABV/ABB	
	PCB 44 (BZ)	26:32	00:00	0	2941818	3742800	468189	594212	0.79	AVV/ABV	
	PCB 65 (BZ)	26:34	00:00	0	0	0	0	0	0.00 *	/	
	PCB 47 (BZ)	26:35	00:00	0	0	0	0	0	0.00 *	/	
	PCB 62 (BZ)	26:49	00:00	0	3764090	4809660	404275	521053	0.78	AVV/AVV	
	PCB 59 (BZ)	26:52	00:00	0	0	0	0	0	0.00 *	/	
	PCB 75 (BZ)	26:56	00:00	0	0	0	0	0	0.00 *	/	
	PCB 42 (BZ)	27:05	00:00	0	837464	1091779	192405	244870	0.77	AVB/AVV	D
	PCB 41 (BZ)	27:29	00:00	0	730130	938943	169722	217294	0.78	ABV/ABV	
	PCB 71 (BZ)	27:34	00:00	0	0	0	0	0	0.00 *	/	
	PCB 40 (BZ)	27:36	00:00	0	1894618	2393337	344590	435633	0.79	AVV/AVV	D
	PCB 64 (BZ)	27:48	00:00	0	1311423	1640845	294269	368581	0.80	AVV/AVV	D
	PCB 72 (BZ)	28:32	00:00	0	1230413	1533327	276983	349424	0.80	ABV/ABV	M

Notes:
R = ratio is outside limits M = data changed manually H = Peak not reported S = peak less than 2.5x S/N
T = peaks outside cemax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS3	Prep Batch		Lot No	
Data File	/20070313i/a070313i3.d	Prep Date		SDG No	
Analysis ID	96221	Prep Exp Date		Date Received	
Analysis Date	03/13/07 22:19	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	PCB 68 (BZ)	28:50	00:00	0	1285786	1655452	284707	356373	0.78	AVV/AVV	
	PCB 57 (BZ)	29:16	00:00	0	1173348	1489538	255402	330674	0.79	ABV/ABB	
	PCB 58 (BZ)	29:32	00:00	0	1253764	1578473	267587	337490	0.79	AVV/ABV	
	PCB 67 (BZ)	29:41	00:00	0	1248629	1625622	275386	358840	0.77	AVV/AVV	
	PCB 63 (BZ)	29:56	00:00	0	1321770	1672561	280783	359013	0.79	AVB/AVB	
	PCB 61 (BZ)	30:10	00:00	0	1154257	1481672	251711	331518	0.78	ABV/ABV	
	PCB 76 (BZ)	30:19	00:00	0	0	0	0	0	0.00 *	/	
	PCB 70 (BZ)	30:20	00:00	0	3772333	4782010	741166	945007	0.79	AVB/AVB	
	PCB 74 (BZ)	30:22	00:00	0	0	0	0	0	0.00 *	/	
	PCB 66 (BZ)	30:39	00:00	0	1246347	1602784	272666	346151	0.78	ABV/ABV	
	PCB 55 (BZ)	30:50	00:00	0	1119846	1451738	244641	328222	0.77	AVB/AVB	
	PCB 56 (BZ)	31:22	00:00	0	1196037	1518938	258849	329800	0.79	ABV/ABV	M
	PCB 60 (BZ)	31:34	00:00	0	1160385	1470005	255253	329011	0.79	AVV/AVV	
	PCB 80 (BZ)	31:50	00:00	0	1426052	1769196	313887	383925	0.81	AVV/AVV	
	PCB 79 (BZ)	33:27	00:00	0	1376758	1743927	289659	366723	0.79	ABV/ABV	
	PCB 78 (BZ)	34:00	00:00	0	1180168	1464373	241660	299046	0.81	ABV/ABV	
	PCB 81 (BZ)	34:29	00:00	0	1305510	1641543	263823	322836	0.80	AVV/AVV	
	PCB 77 (BZ)	35:05	00:00	0	1171602	1539489	251626	317975	0.76	AVV/AVV	M
302					301.9626	303.9597	301.9626	303.9597	0.65-0.89		
	Noise	00:00	00:00	0	208	163	83	65	1.28 *	/	
	13C12-PCB 54	21:00	00:00	0	1079526	1329984	271658	339376	0.81	ABV/ABV	
	13C12-PCB 52	25:30	00:00	0	1588251	2002512	381373	473875	0.79	ABV/ABV	
	13C12-PCB 79	33:26	00:00	0	1096915	1372737	228125	288312	0.80	ABV/ABV	
	13C12-PCB 81	34:28	00:00	0	2027225	2565192	415745	535629	0.79	ABV/ABV	M
	13C12-PCB 77	35:03	00:00	0	2062922	2588126	420938	543463	0.80	AVV/ABV	M
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	Noise	00:00	00:00	0	510	420	204	168	1.21 *	/	
	PCB 104 (BZ)	26:27	00:00	0	1225703	764994	292063	177198	1.60	ABV/ABV	
	PCB 96 (BZ)	26:56	00:00	0	1097138	696508	253055	155877	1.58	AVV/AVV	D
	PCB 103 (BZ)	28:43	00:00	0	914630	568558	202896	125980	1.61	ABV/ABV	M
	PCB 94 (BZ)	29:00	00:00	0	772590	493598	176904	114165	1.57	AVB/AVV	D
	PCB 100 (BZ)	29:34	00:00	0	0	0	0	0	0.00 *	/	M
	PCB 95 (BZ)	29:34	00:00	0	1835178	1142954	226372	138055	1.61	ABV/ABV	M
	PCB 93 (BZ)	29:41	00:00	0	760038	468734	180993	110333	1.62	AVV/AVV	DM
	PCB 102 (BZ)	29:48	00:00	0	1774238	1115278	233599	144183	1.59	AVB/AVB	
	PCB 98 (BZ)	29:53	00:00	0	0	0	0	0	0.00 *	/	
	PCB 88 (BZ)	30:12	00:00	0	770629	488726	167645	107109	1.58	ABV/ABV	
	PCB 91 (BZ)	30:20	00:00	0	925292	583973	197367	127834	1.58	AVB/AVV	D
	PCB 84 (BZ)	30:37	00:00	0	706362	453487	155176	97811	1.56	ABB/AVB	M
	PCB 89 (BZ)	31:04	00:00	0	781659	493407	171554	107141	1.58	ABV/ABV	D
	PCB 121 (BZ)	31:18	00:00	0	1201267	763611	264428	171361	1.57	AVB/AVV	M
	PCB 92 (BZ)	31:45	00:00	0	845123	538609	185880	121712	1.57	ABB/ABB	D
	PCB 113 (BZ)	32:19	00:00	0	3092046	1934380	552585	347735	1.60	ABV/ABB	D
	PCB 90 (BZ)	32:20	00:00	0	0	0	0	0	0.00 *	/	

Notes:
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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS3	Prep Batch		Lot No	
Data File	/20070313i/a070313i3.d	Prep Date		SDG No	
Analysis ID	96221	Prep Exp Date		Date Received	
Analysis Date	03/13/07 22:19	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	PCB 101 (BZ)	32:20	00:00	0	0	0	0	0	0.00 *	/	
	PCB 83 (BZ)	32:53	00:00	0	1681664	1085822	310353	200315	1.55	ABV/ABV	D
	PCB 99 (BZ)	32:56	00:00	0	0	0	0	0	0.00 *	/	
	PCB 112 (BZ)	33:02	00:00	0	1152976	723863	241114	151859	1.59	AVB/AVB	D
	PCB 109 (BZ)/108 (IUPAC	33:22	00:00	0	6103940	3852437	506483	314802	1.58	ABB/ABB	D
	PCB 86 (BZ)	33:24	00:00	0	0	0	0	0	0.00 *	/	
	PCB 97 (BZ)	33:25	00:00	0	0	0	0	0	0.00 *	/	
	PCB 119 (BZ)	33:25	00:00	0	0	0	0	0	0.00 *	/	
	PCB 125 (BZ)	33:29	00:00	0	0	0	0	0	0.00 *	/	
	PCB 87 (BZ)	33:32	00:00	0	0	0	0	0	0.00 *	/	
	PCB 117 (BZ)	34:04	00:00	0	3122681	1962742	276316	175778	1.59	ABV/ABV	D
	PCB 116 (BZ)	34:09	00:00	0	0	0	0	0	0.00 *	/	
	PCB 85 (BZ)	34:09	00:00	0	0	0	0	0	0.00 *	/	
	PCB 110 (BZ)	34:16	00:00	0	0	0	0	0	0.00 *	/	
	PCB 115 (BZ)	34:23	00:00	0	2414823	1491727	524457	325159	1.62	AVB/AVV	D
	PCB 82 (BZ)	34:45	00:00	0	662191	416305	147943	92159	1.59	ABV/ABB	M
	PCB 111 (BZ)	34:57	00:00	0	1193217	752425	261802	164792	1.59	AVB/ABB	D
	PCB 120 (BZ)	35:25	00:00	0	1279319	811991	266570	170239	1.58	AVB/AVV	D
	PCB 108 (BZ)/107 (IUPAC	36:35	00:00	0	0	0	0	0	0.00 *	/	
	PCB 124 (BZ)	36:38	00:00	0	3425223	2145771	726023	448602	1.60	AVV/AVV	D
	PCB 107 (BZ)/109 (IUPAC	36:52	00:00	0	1754342	1006794	356610	220902	1.74	AVV/AVV	D
	PCB 123 (BZ)	36:59	00:00	0	1676114	1125847	389298	244198	1.49	AVV/AVV	
	PCB 106 (BZ)	37:06	00:00	0	1732061	1067617	349720	216134	1.62	AVV/AVV	
	PCB 118 (BZ)	37:18	00:00	0	1794078	1118729	391933	247242	1.60	AVV/AVV	
	PCB 122 (BZ)	37:42	00:00	0	1656207	1032191	343204	223336	1.60	ABV/ABV	M
	PCB 114 (BZ)	37:51	00:00	0	1849161	1165880	388174	240434	1.59	AVB/AVV	
	PCB 105 (BZ)	38:33	00:00	0	1892614	1172697	382971	235861	1.61	ABB/ABB	M
	PCB 127 (BZ)	39:55	00:00	0	1804777	1107317	368483	225629	1.63	AVV/AVV	
	PCB 126 (BZ)	41:37	00:00	0	1793132	1094271	366635	226356	1.64	AVV/AVV	M
338					337.9207	339.9178	337.9207	339.9178	1.32-1.78		
	Noise	00:00	00:00	0	253	213	101	85	1.19 *	/	
	13C12-PCB 104	26:26	00:00	0	2224639	1371938	503867	307467	1.62	ABV/ABV	D
	13C12-PCB 95	29:27	00:00	0	796098	494921	172403	111195	1.61	ABV/ABV	D
	13C12-PCB 101	32:19	00:00	0	1722689	1088040	372664	238706	1.58	AVV/ABV	
	13C12-PCB 111	34:56	00:00	0	1047114	650540	222326	139530	1.61	ABV/ABV	
	13C12-PCB 123	36:58	00:00	0	3238961	2013557	674851	424067	1.61	ABV/ABV	D
	13C12-PCB 118	37:17	00:00	0	3350174	2083882	714042	432507	1.61	AVV/AVV	D
	13C12-PCB 114	37:50	00:00	0	3277941	2033428	666106	412725	1.61	AVV/AVV	D
	13C12-PCB 105	38:32	00:00	0	3185314	1955873	656108	404522	1.63	ABV/ABV	M
	13C12-PCB 127	39:54	00:00	0	3363000	2107022	710641	437622	1.60	AVV/AVV	
	13C12-PCB 126	41:36	00:00	0	3289410	2070083	661590	412858	1.59	ABV/ABV	M
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	Noise	00:00	00:00	0	520	443	208	177	1.18	/	
	PCB 155 (BZ)	32:00	00:00	0	1003592	803455	217156	175839	1.25	ABV/ABV	M

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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS3	Prep Batch		Lot No	
Data File	/20070313i/a070313i3.d	Prep Date		SDG No	
Analysis ID	96221	Prep Exp Date		Date Received	
Analysis Date	03/13/07 22:19	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	PCB 152 (BZ)	32:21	00:00	0	946833	754966	199405	159555	1.25	AVV/AVV	
	PCB 150 (BZ)	32:29	00:00	0	932586	725753	206487	157225	1.28	AVB/AVB	
	PCB 136 (BZ)	32:56	00:00	0	895635	699645	187887	153028	1.28	ABV/ABV	M
	PCB 145 (BZ)	33:10	00:00	0	908929	723159	195934	156514	1.26	AVV/AVB	
	PCB 148 (BZ)	34:34	00:00	0	682075	532570	151697	121457	1.28	ABV/ABV	
	PCB 151 (BZ)	35:12	00:00	0	0	0	0	0	0.00 *	/	
	PCB 135 (BZ)	35:16	00:00	0	0	0	0	0	0.00 *	/	
	PCB 154 (BZ)	35:24	00:00	0	2094235	1637349	172324	137988	1.28	AVB/AVV	
	PCB 144 (BZ)	35:47	00:00	0	691050	539056	152751	115117	1.28	ABB/AVB	
	PCB 149 (BZ)	36:08	00:00	0	0	0	0	0	0.00 *	/	
	PCB 147 (BZ)	36:09	00:00	0	2129078	1730506	372381	308601	1.23	ABV/ABV	
	PCB 134 (BZ)	36:19	00:00	0	0	0	0	0	0.00 *	/	
	PCB 143 (BZ)	36:29	00:00	0	1750868	1361231	199201	156682	1.29	AVV/AVV	
	PCB 140 (BZ)	36:43	00:00	0	0	0	0	0	0.00 *	/	
	PCB 139 (BZ)	36:44	00:00	0	2035171	1633502	331941	253259	1.25	AVV/AVV	
	PCB 131 (BZ)	37:00	00:00	0	817779	657168	177495	139890	1.24	AVV/AVV	M
	PCB 142 (BZ)	37:08	00:00	0	887162	705059	174112	137131	1.26	AVB/AVV	
	PCB 132 (BZ)	37:31	00:00	0	855652	684433	182766	137314	1.25	ABB/AVB	M
	PCB 133 (BZ)	37:52	00:00	0	962009	766217	199907	158954	1.26	ABB/ABB	
	PCB 165 (BZ)	38:15	00:00	0	1218909	970432	257442	198072	1.26	ABV/ABV	D
	PCB 146 (BZ)	38:30	00:00	0	1077136	851820	224916	177324	1.26	AVV/AVV	D
	PCB 161 (BZ)	38:37	00:00	0	1327308	1056163	277109	228119	1.26	AVB/AVB	D
	PCB 153 (BZ)	39:08	00:00	0	2585766	2065187	425346	338247	1.25	ABV/ABV	D
	PCB 168 (BZ)	39:09	00:00	0	0	0	0	0	0.00 *	/	
	PCB 141 (BZ)	39:23	00:00	0	939332	761063	195478	156511	1.23	AVV/AVV	M
	PCB 130 (BZ)	39:48	00:00	0	863575	684263	173711	142483	1.26	ABV/ABV	M
	PCB 137 (BZ)	39:58	00:00	0	1037113	821410	221748	175264	1.26	AVV/AVV	DM
	PCB 164 (BZ)	40:08	00:00	0	1238791	979494	260244	206684	1.26	AVV/AVB	M
	PCB 138 (BZ)	40:20	00:00	0	0	0	0	0	0.00 *	/	
	PCB 163 (BZ)	40:21	00:00	0	0	0	0	0	0.00 *	/	
	PCB 129 (BZ)	40:26	00:00	0	4415944	3510332	492656	378874	1.26	AVV/ABV	
	PCB 160 (BZ)	40:31	00:00	0	0	0	0	0	0.00 *	/	
	PCB 158 (BZ)	40:48	00:00	0	1437470	1145602	289360	228994	1.25	AVB/AVB	M
	PCB 166 (BZ)	41:38	00:00	0	1304378	1052663	262618	214165	1.24	ABV/ABV	M
	PCB 128 (BZ)	41:45	00:00	0	919913	723863	192789	148970	1.27	AVV/AVV	M
	PCB 159 (BZ)	42:36	00:00	0	1328928	1065098	272755	215129	1.25	AVB/AVB	D
	PCB 162 (BZ)	42:54	00:00	0	1313925	1043712	276147	213572	1.26	ABV/ABV	
	PCB 167 (BZ)	43:22	00:00	0	1414328	1124134	286965	226652	1.26	ABB/ABB	
	PCB 157 (BZ)	44:29	00:00	0	0	0	0	0	0.00 *	/	
	PCB 156 (BZ)	44:37	00:00	0	2877197	2252593	309362	241921	1.28	AVV/ABV	M
	PCB 169 (BZ)	47:47	00:00	0	1590669	1208519	300317	234313	1.32	ABV/ABV	M
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	Noise	00:00	00:00	0	220	208	88	83	1.06	/	
	13C12-PCB 155	31:59	00:00	0	1865320	1455833	411428	320374	1.28	ABV/ABV	M

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STL - Knoxville

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS3	Prep Batch		Lot No	
Data File	/20070313i/a070313i3.d	Prep Date		SDG No	
Analysis ID	96221	Prep Exp Date		Date Received	
Analysis Date	03/13/07 22:19	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	13C12-PCB 153	39:05	00:00	0	1021009	806301	210049	172371	1.27	ABV/ABV	D
	13C12-PCB 138	40:24	00:00	0	2035957	1598704	423124	335665	1.27	ABV/ABV	M
	13C12-PCB 167	43:21	00:00	0	2562983	2013052	512024	404716	1.27	AVV/AVV	
	13C12-PCB 156	44:36	00:00	0	5082921	3994465	563192	445386	1.27	AVV/AVV	M
	13C12-PCB 169	47:46	00:00	0	2451745	1925040	495495	394077	1.27	ABV/ABV	M
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	Noise	00:00	00:00	0	395	348	158	139	1.14	/	
	PCB 188 (BZ)	37:44	00:00	0	1042441	959600	222360	208065	1.09	ABV/ABV	
	PCB 179 (BZ)	38:11	00:00	0	957292	918883	198021	192258	1.04	AVV/AVV	M
	PCB 184 (BZ)	38:35	00:00	0	927948	898742	192574	185858	1.03	ABV/AVV	
	PCB 176 (BZ)	39:02	00:00	0	1015761	952633	206616	191009	1.07	AVV/AVB	D
	PCB 186 (BZ)	39:31	00:00	0	985843	924754	204968	193587	1.07	AVV/ABV	M
	PCB 178 (BZ)	40:49	00:00	0	693750	663989	141234	138038	1.04	ABV/ABV	D
	PCB 175 (BZ)	41:26	00:00	0	747729	702531	152784	144874	1.06	ABV/ABV	D
	PCB 187 (BZ)	41:42	00:00	0	796698	769956	162444	163530	1.03	AVV/AVV	D
	PCB 182 (BZ)	41:54	00:00	0	786708	755426	164047	160094	1.04	AVB/AVB	D
	PCB 183 (BZ)	42:18	00:00	0	800757	736358	164980	158397	1.09	ABV/ABV	D
	PCB 185 (BZ)	42:27	00:00	0	731889	711797	155124	142741	1.03	AVV/AVV	D
	PCB 174 (BZ)	42:38	00:00	0	745039	700957	153844	147538	1.06	AVB/AVB	M
	PCB 177 (BZ)	43:03	00:00	0	728644	691457	144538	137587	1.05	ABB/ABV	D
	PCB 181 (BZ)	43:24	00:00	0	778488	738534	160892	149137	1.05	ABV/AVV	D
	PCB 173 (BZ)	43:33	00:00	0	0	0	0	0	0.00 *	/	
	PCB 171 (BZ)	43:40	00:00	0	1359002	1304041	283652	272351	1.04	AVB/AVB	D
	PCB 172 (BZ)	45:14	00:00	0	668128	643923	139396	135203	1.04	AVB/AVB	D
	PCB 192 (BZ)	45:30	00:00	0	909747	870361	187214	181937	1.05	ABV/ABV	D
	PCB 180 (BZ)	45:50	00:00	0	0	0	0	0	0.00 *	/	
	PCB 193 (BZ)	45:51	00:00	0	1802411	1731623	270065	263582	1.04	AVV/AVV	D
	PCB 191 (BZ)	46:14	00:00	0	1011658	961895	203429	195019	1.05	AVV/AVB	D
	PCB 170 (BZ)	47:12	00:00	0	667633	628453	134822	124856	1.06	AVV/AVV	M
	PCB 190 (BZ)	47:42	00:00	0	1014752	998772	203806	188978	1.02	MBV/ABV	D
	PCB 189 (BZ)	50:16	00:00	0	1405997	1325871	286232	272699	1.06	AVV/AVV	
406					405.8428	407.8398	405.8428	407.8398	0.89-1.21		
	Noise	00:00	00:00	0	193	195	77	78	0.99	/	
	13C12-PCB 188	37:43	00:00	0	1978855	1857886	423940	392435	1.07	ABV/ABV	D
	13C12-PCB 178	40:48	00:00	0	630747	599588	129001	120177	1.05	ABV/AVV	
	13C12-PCB 180	45:52	00:00	0	1604705	1468495	321388	293351	1.09	ABV/ABV	
	13C12-PCB 170	47:11	00:00	0	1325261	1261433	269746	258490	1.05	AVV/ABV	
	13C12-PCB 189	50:14	00:00	0	2547782	2392519	515463	489316	1.06	ABV/AVV	D
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	Noise	00:00	00:00	0	290	210	116	84	1.38 *	/	
	PCB 202 (BZ)	43:06	00:00	0	710841	788734	146440	165590	0.90	ABV/ABV	
	PCB 200 (BZ)/201 (IUPAC	44:00	00:00	0	779878	871494	155940	168420	0.89	ABV/ABV	
	PCB 204 (BZ)	44:38	00:00	0	728153	810996	145454	160536	0.90	ABV/ABV	
	PCB 197 (BZ)	44:53	00:00	0	753406	839874	151369	171176	0.90	AVV/AVV	

Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside ccmax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS3	Prep Batch		Lot No	
Data File	/20070313i/a070313i3.d	Prep Date		SDG No	
Analysis ID	96221	Prep Exp Date		Date Received	
Analysis Date	03/13/07 22:19	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	PCB 199 (BZ)/200 (IUPAC	45:06	00:00	0	748353	829238	154649	161217	0.90	AVB/AVB	M
	PCB 198 (BZ)	47:49	00:00	0	0	0	0	0	0.00 *	/	M
	PCB 201 (BZ)/199 (IUPAC	47:49	00:00	0	1075834	1176974	125276	136418	0.91	ABV/ABV	DM
	PCB 196 (BZ)	48:28	00:00	0	547799	614210	111154	122467	0.89	ABV/AVV	D
	PCB 203 (BZ)	48:39	00:00	0	601993	661007	122183	131294	0.91	AVV/AVV	D
	PCB 195 (BZ)	50:03	00:00	0	730195	820757	145084	165513	0.89	ABV/ABV	
	PCB 194 (BZ)	52:20	00:00	0	775930	883518	155384	179876	0.88	ABV/ABV	
	PCB 205 (BZ)	52:48	00:00	0	975048	1083029	192039	211502	0.90	AVB/AVV	
440					439.8038	441.8008	439.8038	441.8008	0.76-1.02		
	Noise	00:00	00:00	0	155	160	62	64	0.97	/	
	13C12-PCB 202	43:05	00:00	0	1490983	1627416	293564	326924	0.92	ABV/ABV	D
	13C12-PCB 194	52:19	00:00	0	1441808	1602815	284985	327690	0.90	ABV/ABV	
	13C12-PCB 205	52:46	00:00	0	2021667	2268367	403607	453955	0.89	AVV/AVV	
462					461.7246	463.7216	461.7246	463.7216	0.65-0.89		
	Noise	00:00	00:00	0	175	193	70	77	0.91 *	/	
	PCB 208 (BZ)	49:44	00:00	0	764173	992075	152862	195601	0.77	AVV/AVV	
	PCB 207 (BZ)	50:38	00:00	0	809272	1038462	154494	204676	0.78	AVV/AVV	
	PCB 206 (BZ)	54:30	00:00	0	586961	747224	114101	147681	0.79	AVV/ABV	
474					473.7648	475.7619	473.7648	475.7619	0.65-0.89		
	Noise	00:00	00:00	0	165	205	66	82	0.80	/	
	13C12-PCB 208	49:42	00:00	0	1589212	1976039	314752	391031	0.80	AVV/AVV	
	13C12-PCB 206	54:29	00:00	0	1113446	1407840	217663	275008	0.79	ABV/AVV	
496					495.6856	497.6826	495.6856	497.6826	0.59-0.79		
	Noise	00:00	00:00	0	113	145	45	58	0.78	/	
	PCB 209 (BZ)	56:05	00:00	0	591472	844205	107084	157896	0.70	ABV/ABV	
508					507.7258	509.7229	507.7258	509.7229	0.59-0.79		
	Noise	00:00	00:00	0	185	163	74	65	1.14 *	/	
	13C12-PCB 209	56:04	00:00	0	1184942	1687652	219637	311079	0.70	ABV/ABV	

Notes:
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T = peaks outside cemax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS4	Prep Batch		Lot No	
Data File	/20070313i/a070313i4.d	Prep Date		SDG No	
Analysis ID	96222	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	23:21	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
Total Monochlorobiphenyl		105089468	37964127	1.000		1455.44080		1455.44080		0.135
13C12-PCB 1	12:11	7214959	2906747	1.000	100.0	135.077443	135.08	135.077443		0.0420
13C12-PCB 3	14:23	7226055	2327320	1.000	100.0	135.285181	135.29	135.285181		0.0420
PCB 1 (BZ)	12:11	35795270	14144616	1.000	400.0	496.125758	124.03	496.125758		0.0403
PCB 2 (BZ)	14:14	34404021	11506624	1.000	400.0	476.476527	119.12	476.476527		0.0447
PCB 3 (BZ)	14:24	34890177	12312887	1.000	400.0	482.838520	120.71	482.838520		0.0503
Total Dichlorobiphenyl		299360026	81535791	1.000		6549.10748		6549.10748		1.66
13C12-PCB 4	14:41	3323795	1102516	1.000	100.0	62.227620	62.23	62.227620		0.0533
13C12-PCB 9	16:38	5341350	1549197	1.000	100.0	100.000000	100.00	100.000000		0.0533
13C12-PCB 8	17:31	22722559	6270840	1.000	400.0	497.065065	124.27	497.065065		0.0630
13C12-PCB 15	20:39	5818895	1517627	1.000	100.0	108.940530	108.94	108.940530		0.0533
PCB 4 (BZ)	14:42	15737818	5090363	1.000	400.0	473.489430	118.37	473.489430		0.164
PCB 10 (BZ)	14:51	23689035	7446438	1.000	400.0	518.207114	129.55	518.207114		0.138
PCB 9 (BZ)	16:39	25202089	7399725	1.000	400.0	551.305775	137.83	551.305775		0.138
PCB 7 (BZ)	16:49	25186008	7329863	1.000	400.0	550.953997	137.74	550.953997		0.138
PCB 6 (BZ)	17:06	25228159	7416050	1.000	400.0	551.876067	137.97	551.876067		0.138
PCB 5 (BZ)	17:25	23788921	6988766	1.000	400.0	520.392160	130.10	520.392160		0.138
PCB 8 (BZ)	17:32	26544641	7486735	1.000	400.0	580.674637	145.17	580.674637		0.138
PCB 14 (BZ)	19:07	30017198	8126327	1.000	400.0	656.638210	164.16	656.638210		0.138
PCB 11 (BZ)	20:01	25088544	6928701	1.000	400.0	548.821933	137.21	548.821933		0.138
PCB 13 (BZ)	20:20	51429640	10018827	1.000	400.0	1125.04394	281.26	1125.04394	C12	0.138
PCB 12 (BZ)	20:25			1.000	400.0			ND	C12	0.138
PCB 15 (BZ)	20:40	27447973	7303996	1.000	400.0	471.704215	117.93	471.704215		0.119
Total Trichlorobiphenyl		649104241	141210973	1.000		12701.2139		12701.2139		4.05
13C12-PCB 19	17:52	2366738	638721	1.000	100.0	55.415971	55.42	55.415971		0.0981
13C12-PCB 32	21:06	4270859	1085792	1.000	100.0	100.000000	100.00	100.000000		0.0981
13C12-PCB 31	23:22	7583221	1845158	1.000	100.0	100.000000	100.00	100.000000		0.0577
13C12-PCB 28	23:39	28138281	6597932	1.000	400.0	371.059752	92.76	371.059752		0.0577
13C12-PCB 37	27:44	6884917	1526059	1.000	100.0	90.791459	90.79	90.791459		0.0577
PCB 19 (BZ)	17:53	11201580	3108426	1.000	400.0	473.291932	118.32	473.291932		0.276
PCB 30 (BZ)	19:36	17331675	4753034	1.000	400.0	732.302224	183.08	732.302224		0.276
PCB 18 (BZ)	19:44	12005076	3103837	1.000	400.0	507.241444	126.81	507.241444		0.276
PCB 17 (BZ)	20:07	12567693	3286863	1.000	400.0	531.013277	132.75	531.013277		0.276
PCB 27 (BZ)	20:22	18009078	4916068	1.000	400.0	760.924023	190.23	760.924023		0.276
PCB 24 (BZ)	20:29	17253906	4352908	1.000	400.0	729.016309	182.25	729.016309		0.276
PCB 16 (BZ)	20:39	10996836	2889329	1.000	400.0	464.641038	116.16	464.641038		0.276
PCB 32 (BZ)	21:07	18685489	4625935	1.000	400.0	789.503908	197.38	789.503908		0.276
PCB 34 (BZ)	22:21	31734160	7803258	1.000	400.0	460.922913	115.23	460.922913		0.115
PCB 23 (BZ)	22:29	32181021	8147668	1.000	400.0	467.413347	116.85	467.413347		0.115
PCB 29 (BZ)	22:50	67442714	15898184	1.000	400.0	979.571925	244.89	979.571925	C26	0.115
PCB 26 (BZ)	22:55			1.000	400.0			ND	C26	0.115
PCB 25 (BZ)	23:04	36380748	8543817	1.000	400.0	528.412296	132.10	528.412296		0.115
PCB 31 (BZ)	23:24	33552911	7958953	1.000	400.0	487.339368	121.83	487.339368		0.115
PCB 28 (BZ)	23:41	64032880	8202898	1.000	400.0	930.045780	232.51	930.045780	C20	0.115
PCB 20 (BZ)	23:45			1.000	400.0			ND	C20	0.115
PCB 21 (BZ)	23:57	65402208	8084700	1.000	400.0	949.934589	237.48	949.934589	C21	0.115
PCB 33 (BZ)	24:00			1.000	400.0			ND	C21	0.115
PCB 22 (BZ)	24:22	32606587	7859771	1.000	400.0	473.594482	118.40	473.594482		0.115
PCB 36 (BZ)	25:52	34795344	7720051	1.000	400.0	505.385090	126.35	505.385090		0.115

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IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS4	Prep Batch		Lot No	
Data File	/20070313i/a070313i4.d	Prep Date		SDG No	
Analysis ID	96222	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	23:21	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 39 (BZ)	26:14	35153056	8085830	1.000	400.0	510.580679	127.65	510.580679		0.115
PCB 38 (BZ)	26:49	33589450	7390265	1.000	400.0	487.870079	121.97	487.870079		0.115
PCB 35 (BZ)	27:20	31759236	7078353	1.000	400.0	461.287130	115.32	461.287130		0.115
PCB 37 (BZ)	27:46	32422593	7400825	1.000	400.0	470.922060	117.73	470.922060		0.115
Total Tetrachlorobiphenyl		911021277	182370343	1.000		18123.7227		18123.7227		5.82
13C12-PCB 54	21:00	2515377	660926	1.000	100.0	58.896278	58.90	58.896278		0.0368
13C12-PCB 52	25:30	3761763	909352	1.000	100.0	100.000000	100.00	100.000000		0.0440
13C12-PCB 79	33:25	22772201	4955028	1.000	400.0	446.899656	111.72	446.899656		0.0371
13C12-PCB 81	34:28	5028610	1088301	1.000	100.0	133.676949	133.68	133.676949		0.0440
13C12-PCB 77	35:04	5162582	1065484	1.000	100.0	137.238364	137.24	137.238364		0.0440
PCB 54 (BZ)	21:01	12139762	3070166	1.000	400.0	482.621969	120.66	482.621969		0.222
PCB 50 (BZ)	23:14			1.000	400.0			ND	C50	0.137
PCB 53 (BZ)	23:08	35989528	6254941	1.000	400.0	706.286919	176.57	706.286919	C50	0.137
PCB 45 (BZ)	23:52	32754988	5940996	1.000	400.0	642.809752	160.70	642.809752	C45	0.137
PCB 51 (BZ)	23:55			1.000	400.0			ND	C45	0.137
PCB 46 (BZ)	24:11	13883423	3254706	1.000	400.0	272.459257	68.11	272.459257		0.137
PCB 52 (BZ)	25:31	17845182	4196232	1.000	400.0	350.207944	87.55	350.207944		0.137
PCB 73 (BZ)	25:39	36919753	5376948	1.000	400.0	724.542389	181.14	724.542389	C43	0.137
PCB 43 (BZ)	25:48			1.000	400.0			ND	C43	0.137
PCB 69 (BZ)	25:54	22095621	5440815	1.000	400.0	433.621916	108.41	433.621916		0.137
PCB 49 (BZ)	26:00	19773740	4648321	1.000	400.0	388.055489	97.01	388.055489		0.137
PCB 48 (BZ)	26:17	17284814	4181748	1.000	400.0	339.210840	84.80	339.210840		0.137
PCB 65 (BZ)	26:35			1.000	400.0			ND	C44	0.137
PCB 47 (BZ)	26:36			1.000	400.0			ND	C44	0.137
PCB 44 (BZ)	26:32	58610200	9380699	1.000	400.0	1150.21285	287.55	1150.21285	C44	0.137
PCB 62 (BZ)	26:50	75437948	8354118	1.000	400.0	1480.45387	370.11	1480.45387	C59	0.137
PCB 75 (BZ)	26:56			1.000	400.0			ND	C59	0.137
PCB 59 (BZ)	26:52			1.000	400.0			ND	C59	0.137
PCB 42 (BZ)	27:05	16740652	3730600	1.000	400.0	328.531775	82.13	328.531775		0.137
PCB 41 (BZ)	27:29	14577994	3330091	1.000	400.0	286.090067	71.52	286.090067		0.137
PCB 71 (BZ)	27:34			1.000	400.0			ND	C40	0.137
PCB 40 (BZ)	27:36	37126160	6620202	1.000	400.0	728.593083	182.15	728.593083	C40	0.137
PCB 64 (BZ)	27:48	25849949	5818957	1.000	400.0	507.299813	126.82	507.299813		0.137
PCB 72 (BZ)	28:32	23967254	5452970	1.000	400.0	470.352320	117.59	470.352320		0.137
PCB 68 (BZ)	28:50	25939078	5700082	1.000	400.0	509.048951	127.26	509.048951		0.137
PCB 57 (BZ)	29:16	23417762	5287016	1.000	400.0	459.568655	114.89	459.568655		0.137
PCB 58 (BZ)	29:32	24931582	5405871	1.000	400.0	489.277054	122.32	489.277054		0.137
PCB 67 (BZ)	29:41	25393146	5700283	1.000	400.0	498.335151	124.58	498.335151		0.137
PCB 63 (BZ)	29:56	26697780	5598566	1.000	400.0	523.938319	130.98	523.938319		0.137
PCB 61 (BZ)	30:10	23125598	5045769	1.000	400.0	453.834998	113.46	453.834998		0.137
PCB 70 (BZ)	30:20	78143540	16047878	1.000	400.0	1533.55054	383.39	1533.55054	C70	0.137
PCB 76 (BZ)	30:19			1.000	400.0			ND	C70	0.137
PCB 74 (BZ)	30:23			1.000	400.0			ND	C70	0.137
PCB 66 (BZ)	30:39	24915943	5504750	1.000	400.0	488.970142	122.24	488.970142		0.137
PCB 55 (BZ)	30:50	22614872	5115942	1.000	400.0	443.812108	110.95	443.812108		0.137
PCB 56 (BZ)	31:22	23993423	5331347	1.000	400.0	470.865881	117.72	470.865881		0.137
PCB 60 (BZ)	31:34	22995450	5195296	1.000	400.0	451.280871	112.82	451.280871		0.137
PCB 80 (BZ)	31:50	27601177	5938530	1.000	400.0	541.667295	135.42	541.667295		0.137
PCB 79 (BZ)	33:26	27897448	5913262	1.000	400.0	547.481551	136.87	547.481551		0.137

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS4	Prep Batch		Lot No	
Data File	/20070313i/a070313i4.d	Prep Date		SDG No	
Analysis ID	96222	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	23:21	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 78 (BZ)	34:01	23102405	4944270	1.000	400.0	453.379840	113.34	453.379840		0.137
PCB 81 (BZ)	34:29	25737714	5415234	1.000	400.0	511.825614	127.96	511.825614		0.135
PCB 77 (BZ)	35:05	23517391	5173737	1.000	400.0	455.535447	113.88	455.535447		0.138
Total Pentachlorobiphenyl		766329484	139307408	1.000		17637.2648		17637.2648		9.13
13C12-PCB 104	26:26	3831037	863630	1.000	100.0	122.384719	122.38	122.384719		0.0753
13C12-PCB 95	29:28	11802564	2584717	1.000	400.0	308.077526	77.02	308.077526		0.0608
13C12-PCB 101	32:19	3130323	697083	1.000	100.0	100.000000	100.00	100.000000		0.0753
13C12-PCB 111	34:56	15411137	3351429	1.000	400.0	492.317790	123.08	492.317790		0.0753
13C12-PCB 123	36:58	5662899	1188422	1.000	100.0	96.150107	96.15	96.150107		0.0433
13C12-PCB 118	37:17	5938840	1247238	1.000	100.0	100.835297	100.84	100.835297		0.0433
13C12-PCB 114	37:49	5725358	1220845	1.000	100.0	97.210595	97.21	97.210595		0.0433
13C12-PCB 105	38:32	5588330	1134083	1.000	100.0	94.884003	94.88	94.884003		0.0433
13C12-PCB 127	39:54	5889644	1213245	1.000	100.0	100.000000	100.00	100.000000		0.0433
13C12-PCB 126	41:35	5734811	1170870	1.000	100.0	97.371097	97.37	97.371097		0.0433
PCB 104 (BZ)	26:27	17292927	3996899	1.000	400.0	451.390237	112.85	451.390237		0.212
PCB 96 (BZ)	26:56	15557296	3614015	1.000	400.0	406.085767	101.52	406.085767		0.212
PCB 103 (BZ)	28:44	12910875	2853086	1.000	400.0	337.007317	84.25	337.007317		0.212
PCB 94 (BZ)	29:00	11127290	2499645	1.000	400.0	290.451123	72.61	290.451123		0.212
PCB 95 (BZ)	29:34	26407983	3335176	1.000	400.0	689.316835	172.33	689.316835	C95	0.212
PCB 100 (BZ)	29:34			1.000	400.0			ND	C95	0.212
PCB 93 (BZ)	29:41	11403113	2562772	1.000	400.0	297.650819	74.41	297.650819		0.212
PCB 102 (BZ)	29:49	25044402	3336940	1.000	400.0	653.723835	163.43	653.723835	C98	0.212
PCB 98 (BZ)	29:53			1.000	400.0			ND	C98	0.212
PCB 88 (BZ)	30:12	11151551	2550024	1.000	400.0	291.084398	72.77	291.084398		0.212
PCB 91 (BZ)	30:20	13600181	3050530	1.000	400.0	354.999991	88.75	354.999991		0.212
PCB 84 (BZ)	30:37	10227192	2228052	1.000	400.0	266.956231	66.74	266.956231		0.212
PCB 89 (BZ)	31:05	10852680	2338665	1.000	400.0	283.283090	70.82	283.283090		0.212
PCB 121 (BZ)	31:18	17064528	3781318	1.000	400.0	445.428431	111.36	445.428431		0.212
PCB 92 (BZ)	31:45	12073388	2647984	1.000	400.0	315.146734	78.79	315.146734		0.212
PCB 113 (BZ)	32:19	43973608	7973949	1.000	400.0	1147.82520	286.96	1147.82520	C90	0.212
PCB 90 (BZ)	32:21			1.000	400.0			ND	C90	0.212
PCB 101 (BZ)	32:21			1.000	400.0			ND	C90	0.212
PCB 83 (BZ)	32:50			1.000	400.0			ND	C83	0.212
PCB 99 (BZ)	32:54	24023681	4366946	1.000	400.0	627.080370	156.77	627.080370	C83	0.212
PCB 112 (BZ)	33:02	16538466	3484315	1.000	400.0	431.696849	107.92	431.696849		0.212
PCB 109 (BZ)/108 (IUPAC)	33:23	88799920	7231415	1.000	400.0	2317.90818	579.48	2317.90818	C86	0.212
PCB 86 (BZ)	33:25			1.000	400.0			ND	C86	0.212
PCB 119 (BZ)	33:25			1.000	400.0			ND	C86	0.212
PCB 97 (BZ)	33:25			1.000	400.0			ND	C86	0.212
PCB 125 (BZ)	33:29			1.000	400.0			ND	C86	0.212
PCB 87 (BZ)	33:32			1.000	400.0			ND	C86	0.212
PCB 117 (BZ)	34:03	44779640	4028930	1.000	400.0	1168.86472	292.22	1168.86472	C85	0.212
PCB 116 (BZ)	34:09			1.000	400.0			ND	C85	0.212
PCB 85 (BZ)	34:09			1.000	400.0			ND	C85	0.212
PCB 110 (BZ)	34:17			1.000	400.0			ND	C110	0.212
PCB 115 (BZ)	34:22	34332578	7359697	1.000	400.0	896.169314	224.04	896.169314	C110	0.212
PCB 82 (BZ)	34:45	9392909	2076623	1.000	400.0	245.179282	61.29	245.179282		0.212
PCB 111 (BZ)	34:57	17414339	3698798	1.000	400.0	454.559405	113.64	454.559405		0.212
PCB 120 (BZ)	35:25	18684408	3784124	1.000	400.0	487.711500	121.93	487.711500		0.212

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Analysis ID	96222	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	23:21	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 124 (BZ)	36:38	49573838	10378969	1.000	400.0	865.155780	216.29	865.155780	C108	0.154
PCB 108 (BZ)/107 (IUPAC)	36:36			1.000	400.0			ND	C108	0.154
PCB 107 (BZ)/109 (IUPAC)	36:52	23961491	5046271	1.000	400.0	418.172634	104.54	418.172634		0.154
PCB 123 (BZ)	36:59	25525777	5279982	1.000	400.0	450.754587	112.69	450.754587		0.154
PCB 106 (BZ)	37:06	23424454	4942343	1.000	400.0	408.800339	102.20	408.800339		0.154
PCB 118 (BZ)	37:19	25192110	5312235	1.000	400.0	424.192435	106.05	424.192435		0.147
PCB 122 (BZ)	37:43	22607272	4695761	1.000	400.0	394.538991	98.63	394.538991		0.154
PCB 114 (BZ)	37:52	26647381	5374212	1.000	400.0	465.427332	116.36	465.427332		0.150
PCB 105 (BZ)	38:34	26508110	5234451	1.000	400.0	474.347614	118.59	474.347614		0.162
PCB 127 (BZ)	39:56	25539366	5190509	1.000	400.0	445.709491	111.43	445.709491		0.154
PCB 126 (BZ)	41:37	24696730	5052772	1.000	400.0	430.645927	107.66	430.645927		0.157
Total Hexachlorobiphenyl		694750246	123207062	1.000		15275.3644		15275.3644		8.93
13C12-PCB 155	31:59	3566519	797743	1.000	100.0	113.934536	113.93	113.934536		0.0667
13C12-PCB 153	39:06	16365800	3416733	1.000	400.0	337.503370	84.38	337.503370		0.0598
13C12-PCB 138	40:25	3937880	812204	1.000	100.0	100.000000	100.00	100.000000		0.0573
13C12-PCB 167	43:21	4924406	1054868	1.000	100.0	125.052211	125.05	125.052211		0.0573
13C12-PCB 156	44:36	9732091	1082542	1.000	200.0	247.140365	123.57	247.140365		0.0573
13C12-PCB 157	44:28			1.000				ND		0.0573
13C12-PCB 169	47:46	4739813	972395	1.000	100.0	120.364587	120.36	120.364587		0.0573
PCB 155 (BZ)	32:01	15447648	3349325	1.000	400.0	433.129559	108.28	433.129559		0.207
PCB 152 (BZ)	32:22	14781692	3179216	1.000	400.0	414.457122	103.61	414.457122		0.207
PCB 150 (BZ)	32:28	14815038	3239072	1.000	400.0	415.392095	103.85	415.392095		0.207
PCB 136 (BZ)	32:57	13985996	3049247	1.000	400.0	392.146965	98.04	392.146965		0.207
PCB 145 (BZ)	33:11	14116523	2997549	1.000	400.0	395.806752	98.95	395.806752		0.207
PCB 148 (BZ)	34:34	10633094	2272028	1.000	400.0	298.136474	74.53	298.136474		0.207
PCB 151 (BZ)	35:12			1.000	400.0			ND	C135	0.207
PCB 135 (BZ)	35:16			1.000	400.0			ND	C135	0.207
PCB 154 (BZ)	35:25	33099116	2722994	1.000	400.0	928.051021	232.01	928.051021	C135	0.207
PCB 144 (BZ)	35:48	10769303	2265866	1.000	400.0	301.955576	75.49	301.955576		0.207
PCB 147 (BZ)	36:10	32567421	5992028	1.000	400.0	671.620963	167.91	671.620963	C147	0.212
PCB 149 (BZ)	36:08			1.000	400.0			ND	C147	0.212
PCB 134 (BZ)	36:19			1.000	400.0			ND	C134	0.212
PCB 143 (BZ)	36:30	27063081	3143043	1.000	400.0	558.107826	139.53	558.107826	C134	0.212
PCB 139 (BZ)	36:44	32166129	5107425	1.000	400.0	663.345327	165.84	663.345327	C139	0.212
PCB 140 (BZ)	36:43			1.000	400.0			ND	C139	0.212
PCB 131 (BZ)	37:00	13423002	2855677	1.000	400.0	276.815580	69.20	276.815580		0.212
PCB 142 (BZ)	37:08	13633121	2910971	1.000	400.0	281.148755	70.29	281.148755		0.212
PCB 132 (BZ)	37:30	13436822	2874823	1.000	400.0	277.100583	69.28	277.100583		0.212
PCB 133 (BZ)	37:53	14893089	3123062	1.000	400.0	307.132418	76.78	307.132418		0.212
PCB 165 (BZ)	38:16	19042344	3932893	1.000	400.0	392.700344	98.18	392.700344		0.212
PCB 146 (BZ)	38:31	16262131	3555696	1.000	400.0	335.365459	83.84	335.365459		0.212
PCB 161 (BZ)	38:38	21474170	4544149	1.000	400.0	442.850625	110.71	442.850625		0.212
PCB 153 (BZ)	39:09	41013834	6760655	1.000	400.0	845.806940	211.45	845.806940	C153	0.212
PCB 168 (BZ)	39:10			1.000	400.0			ND	C153	0.212
PCB 141 (BZ)	39:22	14498387	3068292	1.000	400.0	298.992685	74.75	298.992685		0.212
PCB 130 (BZ)	39:48	13328749	2809763	1.000	400.0	274.871849	68.72	274.871849		0.212
PCB 137 (BZ)	39:59	16173355	3408355	1.000	400.0	333.534677	83.38	333.534677		0.212
PCB 164 (BZ)	40:09	19505655	4030056	1.000	400.0	402.254965	100.56	402.254965		0.212
PCB 138 (BZ)	40:20			1.000	400.0			ND	C129	0.212

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PCB's by EPA Method 1668A

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Workorder	2990:71CS4	Prep Batch		Lot No	
Data File	/20070313i/a070313i4.d	Prep Date		SDG No	
Analysis ID	96222	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	23:21	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 163 (BZ)	40:21			1.000	400.0			ND	C129	0.212
PCB 129 (BZ)	40:26	69551136	7890335	1.000	400.0	1434.31686	358.58	1434.31686	C129	0.212
PCB 160 (BZ)	40:32			1.000	400.0			ND	C129	0.212
PCB 158 (BZ)	40:48	22752596	4706395	1.000	400.0	469.214938	117.30	469.214938		0.212
PCB 166 (BZ)	41:38	20477406	4260748	1.000	400.0	422.294880	105.57	422.294880		0.212
PCB 128 (BZ)	41:46	14686682	2970645	1.000	400.0	302.875794	75.72	302.875794		0.212
PCB 159 (BZ)	42:36	20682278	4109929	1.000	400.0	426.519848	106.63	426.519848		0.212
PCB 162 (BZ)	42:54	20538125	4310368	1.000	400.0	423.547056	105.89	423.547056		0.212
PCB 167 (BZ)	43:22	22189476	4506645	1.000	400.0	450.602083	112.65	450.602083		0.156
PCB 156 (BZ)	44:37	43781368	4633841	1.000	800.0	899.731990	112.47	899.731990	C156	0.304
PCB 157 (BZ)	44:30			1.000				ND	C156	0.304
PCB 169 (BZ)	47:47	23961479	4625971	1.000	400.0	505.536379	126.38	505.536379		0.169
Total Heptachlorobiphenyl		347300004	69593342	1.000		9873.61161		9873.61161		4.97
13C12-PCB 188	37:43	4191210	884449	1.000	100.0	125.113099	125.11	125.113099		0.0658
13C12-PCB 178	40:48	10969536	2343269	1.000	400.0	327.454994	81.86	327.454994		0.0658
13C12-PCB 180	45:52	3349937	702668	1.000	100.0	100.000000	100.00	100.000000		0.0658
13C12-PCB 170	47:11	2684338	550638	1.000	100.0	80.130999	80.13	80.130999		0.0658
13C12-PCB 189	50:15	5237856	1056902	1.000	100.0	168.275231	168.28	168.275231		0.0721
PCB 188 (BZ)	37:45	17593862	3667393	1.000	400.0	419.780016	104.95	419.780016		0.170
PCB 179 (BZ)	38:12	16410337	3380126	1.000	400.0	477.353572	119.34	477.353572		0.209
PCB 184 (BZ)	38:36	16266684	3424051	1.000	400.0	473.174909	118.29	473.174909		0.209
PCB 176 (BZ)	39:03	17399488	3571325	1.000	400.0	506.126581	126.53	506.126581		0.209
PCB 186 (BZ)	39:31	16225526	3378644	1.000	400.0	471.977681	117.99	471.977681		0.209
PCB 178 (BZ)	40:49	12144042	2629830	1.000	400.0	353.253064	88.31	353.253064		0.209
PCB 175 (BZ)	41:26	12529633	2594287	1.000	400.0	364.469363	91.12	364.469363		0.209
PCB 187 (BZ)	41:43	13757479	2882905	1.000	400.0	400.185672	100.05	400.185672		0.209
PCB 182 (BZ)	41:53	13452983	2792812	1.000	400.0	391.328313	97.83	391.328313		0.209
PCB 183 (BZ)	42:19	13165740	2687087	1.000	400.0	382.972819	95.74	382.972819		0.209
PCB 185 (BZ)	42:27	12348448	2583838	1.000	400.0	359.198947	89.80	359.198947		0.209
PCB 174 (BZ)	42:38	12591667	2583688	1.000	400.0	366.273845	91.57	366.273845		0.209
PCB 177 (BZ)	43:04	12006219	2434606	1.000	400.0	349.243988	87.31	349.243988		0.209
PCB 181 (BZ)	43:24	13258491	2794128	1.000	400.0	385.670815	96.42	385.670815		0.209
PCB 171 (BZ)	43:40	22779049	4630507	1.000	400.0	662.610428	165.65	662.610428	C171	0.209
PCB 173 (BZ)	43:34			1.000	400.0			ND	C171	0.209
PCB 172 (BZ)	45:15	11341987	2336751	1.000	400.0	329.922415	82.48	329.922415		0.209
PCB 192 (BZ)	45:30	15252060	3151673	1.000	400.0	443.660927	110.92	443.660927		0.209
PCB 193 (BZ)	45:48			1.000	400.0			ND	C180	0.209
PCB 180 (BZ)	45:52	30215632	4520896	1.000	400.0	878.930145	219.73	878.930145	C180	0.209
PCB 191 (BZ)	46:14	16839836	3453283	1.000	400.0	489.847093	122.46	489.847093		0.209
PCB 170 (BZ)	47:13	11372856	2261414	1.000	400.0	423.674515	105.92	423.674515		0.272
PCB 190 (BZ)	47:42	17369703	3300874	1.000	400.0	505.260177	126.32	505.260177		0.209
PCB 189 (BZ)	50:17	22978282	4533224	1.000	400.0	438.696329	109.67	438.696329		0.142
Total Octachlorobiphenyl		151738345	29157488	1.000		4242.79698		4242.79698		1.81
13C12-PCB 202	43:05	3315253	700494	1.000	100.0	98.964637	98.96	98.964637		0.0463
13C12-PCB 194	52:19	3112672	641442	1.000	100.0	100.000000	100.00	100.000000		0.0507
13C12-PCB 205	52:47	4436273	889421	1.000	100.0	142.522983	142.52	142.522983		0.0507
PCB 202 (BZ)	43:06	12836000	2617547	1.000	400.0	387.180104	96.80	387.180104		0.160
PCB 200 (BZ)/201 (IUPAC)	44:01	14049191	2897457	1.000	400.0	423.774324	105.94	423.774324		0.160
PCB 204 (BZ)	44:39	13245443	2778635	1.000	400.0	399.530383	99.88	399.530383		0.160

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Analysis ID	96222	Prep Exp Date		Date Received	
Analysis Date	3/13/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	23:21	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 197 (BZ)	44:54	13768596	2861149	1.000	400.0	415.310566	103.83	415.310566		0.160
PCB 199 (BZ)/200 (IUPAC)	45:06	13551825	2771171	1.000	400.0	408.771970	102.19	408.771970		0.160
PCB 198 (BZ)	47:49	19825626	2304497	1.000	400.0	598.012459	149.50	598.012459	C198	0.160
PCB 201 (BZ)/199 (IUPAC)	47:49			1.000	400.0			ND	C198	0.160
PCB 196 (BZ)	48:28	9756079	2015414	1.000	400.0	294.278566	73.57	294.278566		0.160
PCB 203 (BZ)	48:40	10862492	2181577	1.000	400.0	327.651977	81.91	327.651977		0.160
PCB 195 (BZ)	50:03	13080723	2612528	1.000	400.0	294.858387	73.71	294.858387		0.126
PCB 194 (BZ)	52:20	13621998	2705955	1.000	400.0	307.059507	76.76	307.059507		0.126
PCB 205 (BZ)	52:48	17140372	3411558	1.000	400.0	386.368738	96.59	386.368738		0.126
Total Nonachlorobiphenyl		41618650	8386486	1.000		1327.52098		1327.52098		0.373
13C12-PCB 208	49:43	3714413	735022	1.000	100.0	119.331976	119.33	119.331976		0.0569
13C12-PCB 206	54:29	2577691	503798	1.000	100.0	82.812805	82.81	82.812805		0.0569
PCB 208 (BZ)	49:44	14985316	3082218	1.000	400.0	403.436990	100.86	403.436990		0.102
PCB 207 (BZ)	50:39	15572499	3128595	1.000	400.0	494.985429	123.75	494.985429		0.121
PCB 206 (BZ)	54:31	11060835	2175673	1.000	400.0	429.098561	107.27	429.098561		0.149
13C12-PCB 209	56:04	2960829	552852	1.000	100.0	95.121780	95.12	95.121780		0.0631
PCB 209 (BZ)	56:05	11896406	2163057	1.000	400.0	401.793079	100.45	401.793079		0.0719

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IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS4	Prep Batch		Lot No	
Data File	/20070313i/a070313i4.d	Prep Date		SDG No	
Analysis ID	96222	Prep Exp Date		Date Received	
Analysis Date	03/13/07 23:21	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
188					188.0393	190.0363	188.0393	190.0363	2.66-3.60		
	Noise	00:00	00:00	0	750	420	300	168	1.79 *	/	
	PCB 1 (BZ)	12:11	00:00	0	27382506	8412764	10788686	3355930	3.25	AVV/AVV	
	PCB 2 (BZ)	14:14	00:00	0	26325492	8078529	8844165	2662459	3.26	ABV/AVV	
	PCB 3 (BZ)	14:24	00:00	0	26758512	8131665	9454054	2858833	3.29	AVB/AVB	
200					200.0795	202.0766	200.0795	202.0766	2.66-3.60		
	Noise	00:00	00:00	0	273	378	109	151	0.72 *	/	
	13C12-PCB 1	12:11	00:00	0	5493207	1721752	2220115	686632	3.19	AVV/AVV	
	13C12-PCB 3	14:23	00:00	0	5502547	1723508	1772096	555224	3.19	AVV/AVV	
222					222.0003	223.9974	222.0003	223.9974	1.33-1.79		
	Noise	00:00	00:00	0	1020	788	408	315	1.30 *	/	
	PCB 4 (BZ)	14:42	00:00	0	9679414	6058404	3163989	1926374	1.60	ABV/ABV	
	PCB 10 (BZ)	14:51	00:00	0	14534037	9154998	4539067	2907371	1.59	AVV/AVV	
	PCB 9 (BZ)	16:39	00:00	0	15475122	9726967	4560927	2838798	1.59	ABV/ABV	
	PCB 7 (BZ)	16:49	00:00	0	15489018	9696990	4539010	2790853	1.60	AVV/AVV	D
	PCB 6 (BZ)	17:06	00:00	0	15445040	9783119	4571459	2844591	1.58	AVV/AVV	
	PCB 5 (BZ)	17:25	00:00	0	14593680	9195241	4305288	2683478	1.59	AVV/AVV	
	PCB 8 (BZ)	17:32	00:00	0	16296242	10248399	4623278	2863457	1.59	AVB/AVB	
	PCB 14 (BZ)	19:07	00:00	0	18425098	11592100	5015870	3110457	1.59	ABV/ABV	M
	PCB 11 (BZ)	20:01	00:00	0	15415627	9672917	4274519	2654182	1.59	MBV/MVV	
	PCB 13 (BZ)	20:20	00:00	0	31488296	19941344	6160916	3857911	1.58	AVV/AVV	
	PCB 12 (BZ)	20:25	00:00	0	0	0	0	0	0.00 *	/	
	PCB 15 (BZ)	20:40	00:00	0	16845940	10602033	4503672	2800324	1.59	AVV/AVV	
234					234.0406	236.0376	234.0406	236.0376	1.33-1.79		
	Noise	00:00	00:00	0	520	305	208	122	1.70	/	
	13C12-PCB 4	14:41	00:00	0	2053364	1270431	682858	419658	1.62	AVV/AVV	
	13C12-PCB 9	16:38	00:00	0	3299902	2041448	953827	595370	1.62	AVV/ABV	
	13C12-PCB 8	17:31	00:00	0	13991151	8731408	3873727	2397113	1.60	AVV/AVV	
	13C12-PCB 15	20:39	00:00	0	3592001	2226894	935868	581759	1.61	ABV/ABV	
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	Noise	00:00	00:00	0	1008	753	403	301	1.34 *	/	
	PCB 19 (BZ)	17:53	00:00	0	5730856	5470724	1592534	1515892	1.05	ABV/ABV	
	PCB 30 (BZ)	19:36	00:00	0	8904539	8427136	2448916	2304118	1.06	ABV/ABV	M
	PCB 18 (BZ)	19:44	00:00	0	6191986	5813090	1614449	1489388	1.07	AVB/AVB	M
	PCB 17 (BZ)	20:07	00:00	0	6443861	6123832	1679800	1607063	1.05	ABV/ABV	
	PCB 27 (BZ)	20:22	00:00	0	9249884	8759194	2507202	2408866	1.06	AVV/AVV	
	PCB 24 (BZ)	20:29	00:00	0	8901636	8352270	2240757	2112151	1.07	AVV/AVV	
	PCB 16 (BZ)	20:39	00:00	0	5684401	5312435	1493478	1395851	1.07	AVB/AVB	
	PCB 32 (BZ)	21:07	00:00	0	9617495	9067994	2359490	2266445	1.06	ABV/ABV	M
	PCB 34 (BZ)	22:21	00:00	0	16444956	15289204	4053109	3750149	1.08	ABV/ABV	M
	PCB 23 (BZ)	22:29	00:00	0	16557539	15623482	4216620	3931048	1.06	AVB/AVB	DM
	PCB 29 (BZ)	22:50	00:00	0	34655800	32786914	8142183	7756001	1.06	ABV/ABV	M
	PCB 26 (BZ)	22:55	00:00	0	0	0	0	0	0.00 *	/	
	PCB 25 (BZ)	23:04	00:00	0	18719320	17661428	4391353	4152464	1.06	AVV/AVV	D

Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported 3 = peak less than 2.5x S/N
T = peaks outside comax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS4	Prep Batch		Lot No	
Data File	/20070313i/a070313i4.d	Prep Date		SDG No	
Analysis ID	96222	Prep Exp Date		Date Received	
Analysis Date	03/13/07 23:21	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	PCB 31 (BZ)	23:24	00:00	0	17328868	16224043	4109648	3849305	1.07	AVV/AVV	D
	PCB 28 (BZ)	23:41	00:00	0	33208164	30824716	4237510	3965388	1.08	AVV/AVV	D
	PCB 20 (BZ)	23:45	00:00	0	0	0	0	0	0.00 *	/	
	PCB 21 (BZ)	23:57	00:00	0	33537974	31864234	4177793	3906907	1.05	AVV/AVV	
	PCB 33 (BZ)	24:00	00:00	0	0	0	0	0	0.00 *	/	
	PCB 22 (BZ)	24:22	00:00	0	17178602	15427985	4025015	3834756	1.11	AVV/AVV	D
	PCB 36 (BZ)	25:52	00:00	0	18008554	16786790	3989888	3730163	1.07	AVV/AVV	M
	PCB 39 (BZ)	26:14	00:00	0	18124528	17028528	4170338	3915492	1.06	AVV/AVV	D
	PCB 38 (BZ)	26:49	00:00	0	17406920	16182530	3818522	3571743	1.08	AVV/AVV	D
	PCB 35 (BZ)	27:20	00:00	0	16382589	15376647	3672170	3406183	1.07	AVV/AVV	
	PCB 37 (BZ)	27:46	00:00	0	16711267	15711326	3837542	3563283	1.06	AVV/AVV	
268					268.0016	269.9986	268.0016	269.9986	0.88-1.20		
	Noise	00:00	00:00	0	638	428	255	171	1.49 *	/	
	13C12-PCB 19	17:52	00:00	0	1230311	1136427	329592	309129	1.08	AVV/AVV	
	13C12-PCB 32	21:06	00:00	0	2212856	2058003	558528	527264	1.08	AVV/AVV	
	13C12-PCB 31	23:22	00:00	0	3915284	3667937	949920	895238	1.07	ABV/ABV	
	13C12-PCB 28	23:39	00:00	0	14403470	13734811	3361701	3236231	1.05	AVV/AVV	
	13C12-PCB 37	27:44	00:00	0	3559083	3325834	793633	732426	1.07	AVV/ABV	
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	Noise	00:00	00:00	0	800	670	320	268	1.19 *	/	
	PCB 54 (BZ)	21:01	00:00	0	5394541	6745221	1350975	1719191	0.80	ABV/ABV	
	PCB 53 (BZ)	23:08	00:00	0	15833424	20156104	2728430	3526511	0.79	ABV/ABV	
	PCB 50 (BZ)	23:14	00:00	0	0	0	0	0	0.00 *	/	
	PCB 45 (BZ)	23:52	00:00	0	14461566	18293422	2632460	3308536	0.79	AVV/AVV	
	PCB 51 (BZ)	23:55	00:00	0	0	0	0	0	0.00 *	/	
	PCB 46 (BZ)	24:11	00:00	0	6122393	7761030	1427879	1826827	0.79	AVV/AVV	D
	PCB 52 (BZ)	25:31	00:00	0	7868023	9977159	1849164	2347068	0.79	ABV/ABV	D
	PCB 73 (BZ)	25:39	00:00	0	16298569	20621184	2389187	2987761	0.79	AVV/AVV	
	PCB 43 (BZ)	25:48	00:00	0	0	0	0	0	0.00 *	/	
	PCB 69 (BZ)	25:54	00:00	0	9793907	12301714	2411235	3029580	0.80	MVB/MVV	M
	PCB 49 (BZ)	26:00	00:00	0	8787994	10985746	2047480	2600841	0.80	MVV/MVV	M
	PCB 48 (BZ)	26:17	00:00	0	7620656	9664158	1830580	2351168	0.79	ABV/ABV	
	PCB 44 (BZ)	26:32	00:00	0	25670894	32939306	4085025	5295674	0.78	AVV/AVV	
	PCB 65 (BZ)	26:35	00:00	0	0	0	0	0	0.00 *	/	
	PCB 47 (BZ)	26:36	00:00	0	0	0	0	0	0.00 *	/	
	PCB 62 (BZ)	26:50	00:00	0	33137300	42300648	3666480	4687638	0.78	AVV/AVV	
	PCB 59 (BZ)	26:52	00:00	0	0	0	0	0	0.00 *	/	
	PCB 75 (BZ)	26:56	00:00	0	0	0	0	0	0.00 *	/	
	PCB 42 (BZ)	27:05	00:00	0	7416333	9324319	1667862	2062738	0.80	AVB/AVB	D
	PCB 41 (BZ)	27:29	00:00	0	6398254	8179740	1468019	1862072	0.78	ABV/ABV	
	PCB 71 (BZ)	27:34	00:00	0	0	0	0	0	0.00 *	/	
	PCB 40 (BZ)	27:36	00:00	0	16355992	20770168	2911734	3708468	0.79	AVV/AVV	D
	PCB 64 (BZ)	27:48	00:00	0	11323418	14526531	2561705	3257252	0.78	AVV/AVV	D
	PCB 72 (BZ)	28:32	00:00	0	10524974	13442280	2405653	3047317	0.78	ABV/ABV	M

Notes:
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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS4	Prep Batch		Lot No	
Data File	/20070313i/a070313i4.d	Prep Date		SDG No	
Analysis ID	96222	Prep Exp Date		Date Received	
Analysis Date	03/13/07 23:21	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	PCB 68 (BZ)	28:50	00:00	0	11424627	14514451	2507854	3192228	0.79	AVV/AVV	M
	PCB 57 (BZ)	29:16	00:00	0	10214083	13203679	2298726	2988290	0.77	ABV/ABV	M
	PCB 58 (BZ)	29:32	00:00	0	11001928	13929654	2385110	3020761	0.79	AVV/AVV	
	PCB 67 (BZ)	29:41	00:00	0	11155648	14237498	2497523	3202760	0.78	AVV/AVV	
	PCB 63 (BZ)	29:56	00:00	0	11743079	14954701	2454777	3143789	0.79	AVV/AVB	
	PCB 61 (BZ)	30:10	00:00	0	10149048	12976550	2202404	2843365	0.78	AVV/ABV	M
	PCB 76 (BZ)	30:19	00:00	0	0	0	0	0	0.00 *	/	
	PCB 70 (BZ)	30:20	00:00	0	34239964	43903576	7059086	8988792	0.78	AVB/AVB	
	PCB 74 (BZ)	30:23	00:00	0	0	0	0	0	0.00 *	/	
	PCB 66 (BZ)	30:39	00:00	0	10968496	13947447	2436469	3068281	0.79	ABV/ABV	
	PCB 55 (BZ)	30:50	00:00	0	9950005	12664867	2230832	2885110	0.79	AVB/AVB	
	PCB 56 (BZ)	31:22	00:00	0	10656284	13337139	2365704	2965643	0.80	ABV/ABV	M
	PCB 60 (BZ)	31:34	00:00	0	10072856	12922594	2260821	2934475	0.78	AVV/AVV	
	PCB 80 (BZ)	31:50	00:00	0	12162598	15438579	2613842	3324688	0.79	AVV/AVV	
	PCB 79 (BZ)	33:26	00:00	0	12281396	15616052	2577375	3335887	0.79	ABV/ABV	
	PCB 78 (BZ)	34:01	00:00	0	10145968	12956437	2170176	2774094	0.78	ABV/ABV	
	PCB 81 (BZ)	34:29	00:00	0	11442900	14294814	2369607	3045627	0.80	AVV/AVV	
	PCB 77 (BZ)	35:05	00:00	0	10285198	13232193	2283884	2889853	0.78	ABV/ABV	M
302					301.9626	303.9597	301.9626	303.9597	0.65-0.89		
	Noise	00:00	00:00	0	215	185	86	74	1.16 *	/	
	13C12-PCB 54	21:00	00:00	0	1139918	1375459	298521	362405	0.83	ABV/ABV	
	13C12-PCB 52	25:30	00:00	0	1663806	2097957	401001	508351	0.79	ABV/ABV	
	13C12-PCB 79	33:25	00:00	0	10064381	12707820	2204416	2750612	0.79	ABV/ABV	
	13C12-PCB 81	34:28	00:00	0	2221100	2807510	481159	607142	0.79	AVB/ABV	M
	13C12-PCB 77	35:04	00:00	0	2305802	2856780	476754	588730	0.81	AVV/ABV	M
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	Noise	00:00	00:00	0	1088	748	435	299	1.45	/	
	PCB 104 (BZ)	26:27	00:00	0	10577318	6715609	2440915	1555984	1.58	ABV/ABV	
	PCB 96 (BZ)	26:56	00:00	0	9539236	6018060	2215037	1398978	1.59	AVV/AVV	D
	PCB 103 (BZ)	28:44	00:00	0	7875900	5034975	1731133	1121953	1.56	ABV/ABV	M
	PCB 94 (BZ)	29:00	00:00	0	6818727	4308563	1523882	975763	1.58	AVV/AVV	D
	PCB 100 (BZ)	29:34	00:00	0	0	0	0	0	0.00 *	/	M
	PCB 95 (BZ)	29:34	00:00	0	16136318	10271665	2045876	1289300	1.57	ABV/ABV	M
	PCB 93 (BZ)	29:41	00:00	0	7168988	4234125	1572398	990374	1.69	AVV/AVV	DM
	PCB 102 (BZ)	29:49	00:00	0	15106598	9937804	2031481	1305459	1.52	AVB/AVB	
	PCB 98 (BZ)	29:53	00:00	0	0	0	0	0	0.00 *	/	
	PCB 88 (BZ)	30:12	00:00	0	6821449	4330102	1567598	982426	1.58	ABV/ABV	
	PCB 91 (BZ)	30:20	00:00	0	8331587	5268594	1861684	1188846	1.58	AVV/AVV	D
	PCB 84 (BZ)	30:37	00:00	0	6274242	3952950	1362075	865977	1.59	AVB/AVB	M
	PCB 89 (BZ)	31:05	00:00	0	6642534	4210146	1428075	910590	1.58	ABV/ABV	M
	PCB 121 (BZ)	31:18	00:00	0	10443250	6621278	2309437	1471881	1.58	AVV/AVV	M
	PCB 92 (BZ)	31:45	00:00	0	7395894	4677494	1611533	1036451	1.58	ABB/ABB	D
	PCB 113 (BZ)	32:19	00:00	0	26912476	17061132	4861496	3112453	1.58	ABV/ABV	D
	PCB 90 (BZ)	32:21	00:00	0	0	0	0	0	0.00 *	/	

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Workorder	2990:71CS4	Prep Batch		Lot No	
Data File	/20070313i/a07031314.d	Prep Date		SDG No	
Analysis ID	96222	Prep Exp Date		Date Received	
Analysis Date	03/13/07 23:21	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	PCB 101 (BZ)	32:21	00:00	0	0	0	0	0	0.00 *	/	
	PCB 83 (BZ)	32:50	00:00	0	0	0	0	0	0.00 *	/	
	PCB 99 (BZ)	32:54	00:00	0	14729952	9293729	2680192	1686754	1.58	ABV/ABV	D
	PCB 112 (BZ)	33:02	00:00	0	10142145	6396321	2140468	1343847	1.59	AVB/AVB	D
	PCB 109 (BZ)/108 (IUPAC	33:23	00:00	0	54506208	34293712	4443725	2787690	1.59	ABB/ABB	D
	PCB 97 (BZ)	33:25	00:00	0	0	0	0	0	0.00 *	/	
	PCB 86 (BZ)	33:25	00:00	0	0	0	0	0	0.00 *	/	
	PCB 119 (BZ)	33:25	00:00	0	0	0	0	0	0.00 *	/	
	PCB 125 (BZ)	33:29	00:00	0	0	0	0	0	0.00 *	/	
	PCB 87 (BZ)	33:32	00:00	0	0	0	0	0	0.00 *	/	
	PCB 117 (BZ)	34:03	00:00	0	27432844	17346796	2479090	1549840	1.58	ABV/ABV	D
	PCB 116 (BZ)	34:09	00:00	0	0	0	0	0	0.00 *	/	
	PCB 85 (BZ)	34:09	00:00	0	0	0	0	0	0.00 *	/	
	PCB 110 (BZ)	34:17	00:00	0	0	0	0	0	0.00 *	/	
	PCB 115 (BZ)	34:22	00:00	0	21066690	13265888	4513693	2846004	1.59	AVB/AVB	D
	PCB 82 (BZ)	34:45	00:00	0	5743972	3648937	1267492	809131	1.57	ABB/ABV	M
	PCB 111 (BZ)	34:57	00:00	0	10625879	6788460	2253031	1445767	1.57	ABB/AVB	D
	PCB 120 (BZ)	35:25	00:00	0	11467844	7216564	2327488	1456636	1.59	AVB/AVB	D
	PCB 108 (BZ)/107 (IUPAC	36:36	00:00	0	0	0	0	0	0.00 *	/	
	PCB 124 (BZ)	36:38	00:00	0	30534600	19039238	6409355	3969614	1.60	AVV/AVV	D
	PCB 107 (BZ)/109 (IUPAC	36:52	00:00	0	14736473	9225018	3116821	1929450	1.60	AVV/AVV	D
	PCB 123 (BZ)	36:59	00:00	0	15708046	9817731	3240499	2039483	1.60	AVV/AVV	
	PCB 106 (BZ)	37:06	00:00	0	14452031	8972423	3056162	1886181	1.61	AVV/AVV	
	PCB 118 (BZ)	37:19	00:00	0	15474238	9717872	3273099	2039136	1.59	AVB/AVV	
	PCB 122 (BZ)	37:43	00:00	0	13988046	8619226	2913962	1781799	1.62	ABV/ABV	M
	PCB 114 (BZ)	37:52	00:00	0	16453113	10194268	3312732	2061480	1.61	AVB/AVV	
	PCB 105 (BZ)	38:34	00:00	0	16405728	10102382	3243035	1991416	1.62	ABB/ABB	M
	PCB 127 (BZ)	39:56	00:00	0	15711395	9827971	3205291	1985218	1.60	AVV/AVV	
	PCB 126 (BZ)	41:37	00:00	0	15208674	9488056	3104293	1948479	1.60	AVV/AVV	M
338					337.9207	339.9178	337.9207	339.9178	1.32-1.78		
	Noise	00:00	00:00	0	298	228	119	91	1.31 *	/	
	13C12-PCB 104	26:26	00:00	0	2352987	1478050	529947	333683	1.59	ABV/ABV	D
	13C12-PCB 95	29:28	00:00	0	7250832	4551732	1583809	1000908	1.59	ABV/ABV	D
	13C12-PCB 101	32:19	00:00	0	1943375	1186948	429768	267315	1.64	AVV/ABV	
	13C12-PCB 111	34:56	00:00	0	9477399	5933738	2054861	1296568	1.60	ABV/ABV	
	13C12-PCB 123	36:58	00:00	0	3475171	2187728	727701	460721	1.59	ABV/ABV	D
	13C12-PCB 118	37:17	00:00	0	3663931	2274909	774372	472866	1.61	AVV/AVV	D
	13C12-PCB 114	37:49	00:00	0	3538429	2186929	749557	471288	1.62	AVV/AVV	D
	13C12-PCB 105	38:32	00:00	0	3439893	2148437	705361	428722	1.60	ABV/AVV	M
	13C12-PCB 127	39:54	00:00	0	3644568	2245076	745101	468144	1.62	AVV/AVV	
	13C12-PCB 126	41:35	00:00	0	3530838	2203973	720788	450082	1.60	ABV/ABV	M
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	Noise	00:00	00:00	0	918	730	367	292	1.26	/	
	PCB 155 (BZ)	32:01	00:00	0	8611965	6835683	1878713	1470612	1.26	ABV/ABV	M

Notes:
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T = peaks outside ccmax limit O = peak outside RT window W = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS4	Prep Batch		Lot No	
Data File	/20070313i/a070313i4.d	Prep Date		SDG No	
Analysis ID	96222	Prep Exp Date		Date Received	
Analysis Date	03/13/07 23:21	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	PCB 152 (BZ)	32:22	00:00	0	8230936	6550756	1764262	1414954	1.26	AVV/AVV	
	PCB 150 (BZ)	32:28	00:00	0	8265556	6549482	1806046	1433026	1.26	AVB/AVB	
	PCB 136 (BZ)	32:57	00:00	0	7842538	6143458	1725952	1323295	1.28	ABV/ABV	M
	PCB 145 (BZ)	33:11	00:00	0	7897345	6219178	1680241	1317308	1.27	AVV/AVB	
	PCB 148 (BZ)	34:34	00:00	0	5917532	4715562	1260504	1011524	1.25	ABV/ABV	M
	PCB 151 (BZ)	35:12	00:00	0	0	0	0	0	0.00 *	/	
	PCB 135 (BZ)	35:16	00:00	0	0	0	0	0	0.00 *	/	
	PCB 154 (BZ)	35:25	00:00	0	18484460	14614656	1517417	1205577	1.26	AVV/AVV	
	PCB 144 (BZ)	35:48	00:00	0	6002725	4766578	1262438	1003428	1.26	AVB/AVB	
	PCB 149 (BZ)	36:08	00:00	0	0	0	0	0	0.00 *	/	
	PCB 147 (BZ)	36:10	00:00	0	18097080	14470341	3342018	2650010	1.25	ABV/ABV	
	PCB 134 (BZ)	36:19	00:00	0	0	0	0	0	0.00 *	/	
	PCB 143 (BZ)	36:30	00:00	0	15089777	11973304	1753951	1389092	1.26	AVV/AVV	M
	PCB 140 (BZ)	36:43	00:00	0	0	0	0	0	0.00 *	/	
	PCB 139 (BZ)	36:44	00:00	0	17900918	14265211	2830043	2277382	1.25	AVV/AVV	
	PCB 131 (BZ)	37:00	00:00	0	7488445	5934557	1598190	1257487	1.26	AVV/AVV	M
	PCB 142 (BZ)	37:08	00:00	0	7571336	6061785	1615664	1295307	1.25	AVV/AVB	
	PCB 132 (BZ)	37:30	00:00	0	7479535	5957287	1594200	1280623	1.26	AVB/ABB	M
	PCB 133 (BZ)	37:53	00:00	0	8280518	6612571	1720184	1402878	1.25	ABB/ABB	
	PCB 165 (BZ)	38:16	00:00	0	10622693	8419651	2188532	1744361	1.26	ABV/ABV	D
	PCB 146 (BZ)	38:31	00:00	0	9026104	7236027	1995266	1560430	1.25	AVV/AVV	D
	PCB 161 (BZ)	38:38	00:00	0	11950581	9523589	2534209	2009940	1.25	AVB/AVB	D
	PCB 153 (BZ)	39:09	00:00	0	22810110	18203724	3748509	3012146	1.25	ABV/ABV	D
	PCB 168 (BZ)	39:10	00:00	0	0	0	0	0	0.00 *	/	
	PCB 141 (BZ)	39:22	00:00	0	8041493	6456894	1689687	1378605	1.25	AVV/AVV	D
	PCB 130 (BZ)	39:48	00:00	0	7399893	5928856	1563130	1246633	1.25	ABV/ABV	M
	PCB 137 (BZ)	39:59	00:00	0	8984160	7189195	1903517	1504838	1.25	AVV/AVV	DM
	PCB 164 (BZ)	40:09	00:00	0	10837156	8668499	2236002	1794054	1.25	AVV/AVV	M
	PCB 138 (BZ)	40:20	00:00	0	0	0	0	0	0.00 *	/	
	PCB 163 (BZ)	40:21	00:00	0	0	0	0	0	0.00 *	/	
	PCB 129 (BZ)	40:26	00:00	0	38658196	30892940	4380804	3509531	1.25	AVV/AVV	
	PCB 160 (BZ)	40:32	00:00	0	0	0	0	0	0.00 *	/	
	PCB 158 (BZ)	40:48	00:00	0	12676921	10075675	2621441	2084954	1.26	AVB/AVB	M
	PCB 166 (BZ)	41:38	00:00	0	11361276	9116130	2340899	1919849	1.25	ABV/ABV	
	PCB 128 (BZ)	41:46	00:00	0	8144625	6542057	1655636	1315009	1.24	AVV/AVV	M
	PCB 159 (BZ)	42:36	00:00	0	11451675	9230603	2272439	1837490	1.24	AVB/AVB	D
	PCB 162 (BZ)	42:54	00:00	0	11383131	9154994	2374629	1935739	1.24	ABV/ABV	
	PCB 167 (BZ)	43:22	00:00	0	12370507	9818969	2506174	2000471	1.26	ABB/ABB	
	PCB 157 (BZ)	44:30	00:00	0	0	0	0	0	0.00 *	/	
	PCB 156 (BZ)	44:37	00:00	0	24416552	19364816	2591389	2042452	1.26	ABV/AVV	M
	PCB 169 (BZ)	47:47	00:00	0	13493779	10467700	2585576	2040395	1.29	ABV/ABV	M
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	Noise	00:00	00:00	0	248	218	99	87	1.14	/	
	13C12-PCB 155	31:59	00:00	0	2010317	1556202	450334	347409	1.29	ABV/ABV	M

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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS4	Prep Batch		Lot No	
Data File	/20070313i/a070313i4.d	Prep Date		SDG No	
Analysis ID	96222	Prep Exp Date		Date Received	
Analysis Date	03/13/07 23:21	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	13C12-PCB 153	39:06	00:00	0	9169867	7195933	1906079	1510654	1.27	ABV/ABV	D
	13C12-PCB 138	40:25	00:00	0	2212822	1725058	458711	353493	1.28	AVV/AVV	M
	13C12-PCB 167	43:21	00:00	0	2764780	2159626	593897	460971	1.28	AVV/AVV	
	13C12-PCB 157	44:28	00:00	0	0	0	0	0	0.00 *	/	
	13C12-PCB 156	44:36	00:00	0	5447211	4284880	602336	480206	1.27	ABV/AVV	M
	13C12-PCB 169	47:46	00:00	0	2662439	2077374	543605	428790	1.28	ABV/ABV	M
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	Noise	00:00	00:00	0	750	750	300	300	1.00	/	
	PCB 188 (BZ)	37:45	00:00	0	8954544	8639318	1871230	1796163	1.04	ABV/ABV	
	PCB 179 (BZ)	38:12	00:00	0	8439368	7970969	1741535	1638591	1.06	AVV/AVV	M
	PCB 184 (BZ)	38:36	00:00	0	8304228	7962456	1751539	1672512	1.04	AVV/AVV	
	PCB 176 (BZ)	39:03	00:00	0	8883674	8515814	1817519	1753806	1.04	AVV/AVV	D
	PCB 186 (BZ)	39:31	00:00	0	8283452	7942074	1714651	1663993	1.04	AVV/AVV	D
	PCB 178 (BZ)	40:49	00:00	0	6206232	5937810	1342019	1287811	1.05	ABV/ABV	D
	PCB 175 (BZ)	41:26	00:00	0	6434666	6094967	1319524	1274763	1.06	ABV/ABV	D
	PCB 187 (BZ)	41:43	00:00	0	7075699	6681780	1489711	1393194	1.06	AVV/AVV	D
	PCB 182 (BZ)	41:53	00:00	0	6922639	6530344	1432626	1360186	1.06	AVB/AVB	D
	PCB 183 (BZ)	42:19	00:00	0	6765816	6399924	1377076	1310011	1.06	ABV/ABV	D
	PCB 185 (BZ)	42:27	00:00	0	6347888	6000560	1316585	1267253	1.06	AVV/AVV	D
	PCB 174 (BZ)	42:38	00:00	0	6480106	6111561	1330902	1252786	1.06	AVV/AVV	M
	PCB 177 (BZ)	43:04	00:00	0	6126694	5879525	1235015	1199591	1.04	ABB/ABV	M
	PCB 181 (BZ)	43:24	00:00	0	6774245	6484246	1429011	1365117	1.04	ABV/AVV	D
	PCB 173 (BZ)	43:34	00:00	0	0	0	0	0	0.00 *	/	
	PCB 171 (BZ)	43:40	00:00	0	11633161	11145888	2383247	2247260	1.04	AVB/AVB	D
	PCB 172 (BZ)	45:15	00:00	0	5797354	5544633	1201007	1135744	1.05	AVB/AVB	D
	PCB 192 (BZ)	45:30	00:00	0	7819309	7432751	1612589	1539084	1.05	ABB/ABB	D
	PCB 193 (BZ)	45:48	00:00	0	0	0	0	0	0.00 *	/	
	PCB 180 (BZ)	45:52	00:00	0	15496899	14718733	2326360	2194536	1.05	ABV/ABV	D
	PCB 191 (BZ)	46:14	00:00	0	8651925	8187911	1784471	1668812	1.06	AVV/AVB	D
	PCB 170 (BZ)	47:13	00:00	0	5824743	5548113	1157039	1104375	1.05	ABV/ABV	M
	PCB 190 (BZ)	47:42	00:00	0	8910232	8459471	1668836	1632038	1.05	MBV/MBV	D
	PCB 189 (BZ)	50:17	00:00	0	11823501	11154781	2320512	2212712	1.06	AVV/AVV	
406					405.8428	407.8398	405.8428	407.8398	0.89-1.21		
	Noise	00:00	00:00	0	253	210	101	84	1.20	/	
	13C12-PCB 188	37:43	00:00	0	2163117	2028093	454662	429787	1.07	ABV/ABV	D
	13C12-PCB 178	40:48	00:00	0	5664920	5304616	1212146	1131123	1.07	ABV/ABV	
	13C12-PCB 180	45:52	00:00	0	1731782	1618155	360299	342369	1.07	ABV/AVV	
	13C12-PCB 170	47:11	00:00	0	1379841	1304497	281006	269632	1.06	AVV/AVV	
	13C12-PCB 189	50:15	00:00	0	2684563	2553293	543951	512951	1.05	ABV/ABV	D
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	Noise	00:00	00:00	0	515	603	206	241	0.85	/	
	PCB 202 (BZ)	43:06	00:00	0	6083739	6752261	1237380	1380167	0.90	ABV/ABV	
	PCB 200 (BZ)/201 (IUPAC	44:01	00:00	0	6686146	7363045	1380162	1517295	0.91	ABV/ABV	
	PCB 204 (BZ)	44:39	00:00	0	6276799	6968644	1306779	1471856	0.90	ABV/ABV	

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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS4	Prep Batch		Lot No	
Data File	/20070313i/a07031314.d	Prep Date		SDG No	
Analysis ID	96222	Prep Exp Date		Date Received	
Analysis Date	03/13/07 23:21	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	PCB 197 (BZ)	44:54	00:00	0	6543211	7225385	1343735	1517414	0.91	AVV/AVV	
	PCB 199 (BZ)/200 (IUPAC	45:06	00:00	0	6433201	7118624	1303146	1468025	0.90	AVB/AVB	D
	PCB 201 (BZ)/199 (IUPAC	47:49	00:00	0	0	0	0	0	0.00 *	/	
	PCB 198 (BZ)	47:49	00:00	0	9410587	10415039	1094158	1210339	0.90	ABV/ABV	D
	PCB 196 (BZ)	48:28	00:00	0	4614130	5141949	942378	1073036	0.90	ABV/AVV	D
	PCB 203 (BZ)	48:40	00:00	0	5150163	5712329	1038729	1142848	0.90	AVV/AVV	D
	PCB 195 (BZ)	50:03	00:00	0	6196740	6883983	1244636	1367892	0.90	ABV/ABV	
	PCB 194 (BZ)	52:20	00:00	0	6403107	7218891	1262556	1443399	0.89	ABV/ABV	
	PCB 205 (BZ)	52:48	00:00	0	8118189	9022183	1614246	1797312	0.90	AVV/AVV	
440					439.8038	441.8008	439.8038	441.8008	0.76-1.02		
	Noise	00:00	00:00	0	163	163	65	65	1.00	/	
	13C12-PCB 202	43:05	00:00	0	1601864	1713389	334530	365964	0.93	ABV/ABV	D
	13C12-PCB 194	52:19	00:00	0	1485494	1627178	305323	336119	0.91	ABV/ABV	
	13C12-PCB 205	52:47	00:00	0	2106401	2329872	424586	464835	0.90	AVV/AVV	
462					461.7246	463.7216	461.7246	463.7216	0.65-0.89		
	Noise	00:00	00:00	0	318	435	127	174	0.73	/	
	PCB 208 (BZ)	49:44	00:00	0	6609042	8376274	1349083	1733135	0.79	AVV/ABV	
	PCB 207 (BZ)	50:39	00:00	0	6833242	8739257	1361040	1767555	0.78	AVV/AVV	
	PCB 206 (BZ)	54:31	00:00	0	4865793	6195042	957552	1218121	0.79	ABV/ABV	
474					473.7648	475.7619	473.7648	475.7619	0.65-0.89		
	Noise	00:00	00:00	0	188	178	75	71	1.06 *	/	
	13C12-PCB 208	49:43	00:00	0	1658765	2055648	332926	402096	0.81	AVV/AVV	
	13C12-PCB 206	54:29	00:00	0	1126442	1451249	220416	283382	0.78	ABV/ABV	
496					495.6856	497.6826	495.6856	497.6826	0.59-0.79		
	Noise	00:00	00:00	0	180	218	72	87	0.83 *	/	
	PCB 209 (BZ)	56:05	00:00	0	4934937	6961469	895774	1267283	0.71	ABV/ABV	
508					507.7258	509.7229	507.7258	509.7229	0.59-0.79		
	Noise	00:00	00:00	0	120	285	48	114	0.42 *	/	
	13C12-PCB 209	56:04	00:00	0	1219123	1741706	223473	329379	0.70	ABV/ABV	

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STL - Knoxville

IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS5	Prep Batch		Lot No	
Data File	/20070313i/a070313i5.d	Prep Date		SDG No	
Analysis ID	96223	Prep Exp Date		Date Received	
Analysis Date	3/14/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	00:23	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
Total Monochlorobiphenyl		878993288	305885962	1.000		8848.01930		8848.01930		0.171
13C12-PCB 1	12:10	9593784	3990450	1.000	100.0	123.177164	123.18	123.177164		0.0306
13C12-PCB 3	14:23	10268927	3310146	1.000	100.0	131.845506	131.85	131.845506		0.0306
PCB 1 (BZ)	12:10	277554760	103003772	1.000	2000	2893.06868	144.65	2893.06868		0.0518
PCB 2 (BZ)	14:13	296289012	100700478	1.000	2000	2983.36931	149.17	2983.36931		0.0566
PCB 3 (BZ)	14:24	305149516	102181712	1.000	2000	2971.58132	148.58	2971.58132		0.0625
Total Dichlorobiphenyl		2663409532	780583086	1.000		39641.5367		39641.5367		2.25
13C12-PCB 4	14:41	4675927	1547049	1.000	100.0	60.035480	60.04	60.035480		0.0290
13C12-PCB 9	16:38	7788606	2356072	1.000	100.0	100.000000	100.00	100.000000		0.0290
13C12-PCB 8				1.000				ND		0.0362
13C12-PCB 15	20:40	8745660	2218593	1.000	100.0	112.287873	112.29	112.287873		0.0290
PCB 4 (BZ)	14:42	123537772	42012982	1.000	2000	2641.99531	132.10	2641.99531		0.227
PCB 10 (BZ)	14:51	201743968	66293540	1.000	2000	3006.26100	150.31	3006.26100		0.187
PCB 9 (BZ)	16:39	220629400	74163416	1.000	2000	3287.67977	164.38	3287.67977		0.187
PCB 7 (BZ)	16:49	224488416	75240650	1.000	2000	3345.18438	167.26	3345.18438		0.187
PCB 6 (BZ)	17:05	222695928	72322418	1.000	2000	3318.47386	165.92	3318.47386		0.187
PCB 5 (BZ)	17:24	207363768	63289444	1.000	2000	3090.00371	154.50	3090.00371		0.187
PCB 8 (BZ)	17:32	227109720	74274806	1.000	2000	3384.24540	169.21	3384.24540		0.187
PCB 14 (BZ)	19:07	270606592	77303182	1.000	2000	4032.40827	201.62	4032.40827		0.187
PCB 11 (BZ)	20:02	218076720	63245038	1.000	2000	3249.64134	162.48	3249.64134		0.187
PCB 13 (BZ)	20:21	502568096	102382832	1.000	2000	7488.95188	374.45	7488.95188	C12	0.187
PCB 12 (BZ)	20:26			1.000	2000			ND	C12	0.187
PCB 15 (BZ)	20:41	244589152	70054778	1.000	2000	2796.69175	139.83	2796.69175		0.158
Total Trichlorobiphenyl		6032106464	374992401	1.000		74940.5030		74940.5030		4.99
13C12-PCB 19	17:52	3516714	1008600	1.000	100.0	53.501393	53.50	53.501393		0.0555
13C12-PCB 32	21:07	6573126	1698038	1.000	100.0	100.000000	100.00	100.000000		0.0555
13C12-PCB 31	23:24	11454058	2699113	1.000	100.0	100.000000	100.00	100.000000		0.0349
13C12-PCB 28				1.000				ND		0.0349
13C12-PCB 37	27:46	10782409	2362380	1.000	100.0	94.136148	94.14	94.136148		0.0349
PCB 19 (BZ)	17:53	88222152	26206503	1.000	2000	2508.65302	125.43	2508.65302		0.337
PCB 30 (BZ)	19:36	147627976	42365208	1.000	2000	4197.89542	209.89	4197.89542		0.337
PCB 18 (BZ)	19:44	97705768	26048715	1.000	2000	2778.32568	138.92	2778.32568		0.337
PCB 17 (BZ)	20:08	103563520	27989993	1.000	2000	2944.89458	147.24	2944.89458		0.337
PCB 27 (BZ)	20:24	163514024	44039014	1.000	2000	4649.62530	232.48	4649.62530		0.337
PCB 24 (BZ)	20:30	141656688	40511728	1.000	2000	4028.09805	201.40	4028.09805		0.337
PCB 16 (BZ)	20:41	89405640	22500714	1.000	2000	2542.30626	127.12	2542.30626		0.337
PCB 32 (BZ)	21:08	159707368	42227926	1.000	2000	4541.38062	227.07	4541.38062		0.337
PCB 34 (BZ)	22:22	285323200	77140872	1.000	2000	2646.19159	132.31	2646.19159		0.144
PCB 23 (BZ)	22:30	294305680	81525664	1.000	2000	2729.49839	136.47	2729.49839		0.144
PCB 29 (BZ)	22:50	682951520	156832624	1.000	2000	6333.94189	316.70	6333.94189	C26	0.144
PCB 26 (BZ)	22:56			1.000	2000			ND	C26	0.144
PCB 25 (BZ)	23:05	335467504	80065948	1.000	2000	3111.24818	155.56	3111.24818		0.144
PCB 31 (BZ)	23:25	305517456	82878060	1.000	2000	2833.48050	141.67	2833.48050		0.144
PCB 28 (BZ)	23:41	616550464	79497228	1.000	2000	5718.11424	285.91	5718.11424	C20	0.144
PCB 20 (BZ)	23:47			1.000	2000			ND	C20	0.144
PCB 21 (BZ)	23:58	654608480	93992104	1.000	2000	6071.07818	303.55	6071.07818	C21	0.144
PCB 33 (BZ)	24:01			1.000	2000			ND	C21	0.144
PCB 22 (BZ)	24:23	314934832	78939740	1.000	2000	2920.82068	146.04	2920.82068		0.144
PCB 36 (BZ)	25:52	322912800	75989076	1.000	2000	2994.81127	149.74	2994.81127		0.144

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IsoCalc

Workorder	2990:71CS5	Prep Batch		Lot No	
Data File	/20070313i/a070313i5.d	Prep Date		SDG No	
Analysis ID	96223	Prep Exp Date		Date Received	
Analysis Date	3/14/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	00:23	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 39 (BZ)	26:16	328881392	80529128	1.000	2000	3050.16617	152.51	3050.16617		0.144
PCB 38 (BZ)	26:52	306188576	71245104	1.000	2000	2839.70471	141.99	2839.70471		0.144
PCB 35 (BZ)	27:21	294455536	71658016	1.000	2000	2730.88821	136.54	2730.88821		0.144
PCB 37 (BZ)	27:48	298605888	72809036	1.000	2000	2769.38009	138.47	2769.38009		0.144
Total Tetrachlorobiphenyl		8467129324	759051721	1.000		104426.679		104426.679		6.49
13C12-PCB 54	21:01	3821191	962310	1.000	100.0	58.133543	58.13	58.133543		0.0215
13C12-PCB 52	25:31	5799151	1327367	1.000	100.0	100.000000	100.00	100.000000		0.0275
13C12-PCB 79				1.000				ND		0.0207
13C12-PCB 81	34:30	8262818	1833775	1.000	100.0	142.483236	142.48	142.483236		0.0275
13C12-PCB 77	35:06	8172610	1689379	1.000	100.0	140.927698	140.93	140.927698		0.0275
PCB 54 (BZ)	21:02	99489008	25633354	1.000	2000	2603.61254	130.18	2603.61254		0.277
PCB 50 (BZ)	23:15			1.000	2000			ND	C50	0.151
PCB 53 (BZ)	23:10	326818912	59757258	1.000	2000	3977.00519	198.85	3977.00519	C50	0.151
PCB 45 (BZ)	23:54	313245704	62745808	1.000	2000	3811.83507	190.59	3811.83507	C45	0.151
PCB 51 (BZ)	23:56			1.000	2000			ND	C45	0.151
PCB 46 (BZ)	24:13	116565776	27911537	1.000	2000	1418.46961	70.92	1418.46961		0.151
PCB 52 (BZ)	25:33	147955800	35621758	1.000	2000	1800.44961	90.02	1800.44961		0.151
PCB 73 (BZ)	25:41	321415232	47720640	1.000	2000	3911.24870	195.56	3911.24870	C43	0.151
PCB 43 (BZ)	25:49			1.000	2000			ND	C43	0.151
PCB 69 (BZ)	25:56	209609808	52379474	1.000	2000	2550.70702	127.54	2550.70702		0.151
PCB 49 (BZ)	26:02	167888096	42550060	1.000	2000	2043.00242	102.15	2043.00242		0.151
PCB 48 (BZ)	26:19	150598596	36073989	1.000	2000	1832.60936	91.63	1832.60936		0.151
PCB 65 (BZ)	26:36			1.000	2000			ND	C44	0.151
PCB 47 (BZ)	26:37			1.000	2000			ND	C44	0.151
PCB 44 (BZ)	26:34	588582304	100134756	1.000	2000	7162.36053	358.12	7162.36053	C44	0.151
PCB 62 (BZ)	26:52	734248032	85494580	1.000	2000	8934.94264	446.75	8934.94264	C59	0.151
PCB 75 (BZ)	26:58			1.000	2000			ND	C59	0.151
PCB 59 (BZ)	26:54			1.000	2000			ND	C59	0.151
PCB 42 (BZ)	27:06	141865528	34294766	1.000	2000	1726.33810	86.32	1726.33810		0.151
PCB 41 (BZ)	27:31	116837272	28229145	1.000	2000	1421.77340	71.09	1421.77340		0.151
PCB 71 (BZ)	27:36			1.000	2000			ND	C40	0.151
PCB 40 (BZ)	27:38	352105648	63306844	1.000	2000	4284.71529	214.24	4284.71529	C40	0.151
PCB 64 (BZ)	27:50	236718760	58325290	1.000	2000	2880.59137	144.03	2880.59137		0.151
PCB 72 (BZ)	28:34	216134440	52085454	1.000	2000	2630.10419	131.51	2630.10419		0.151
PCB 68 (BZ)	28:51	234811144	54952300	1.000	2000	2857.37790	142.87	2857.37790		0.151
PCB 57 (BZ)	29:17	207339016	48551412	1.000	2000	2523.07413	126.15	2523.07413		0.151
PCB 58 (BZ)	29:35	223202112	47790846	1.000	2000	2716.10952	135.81	2716.10952		0.151
PCB 67 (BZ)	29:43	236848448	58273408	1.000	2000	2882.16952	144.11	2882.16952		0.151
PCB 63 (BZ)	29:59	245802752	56574808	1.000	2000	2991.13296	149.56	2991.13296		0.151
PCB 61 (BZ)	30:12	212477976	48041184	1.000	2000	2585.60928	129.28	2585.60928		0.151
PCB 70 (BZ)	30:22	815170240	155327472	1.000	2000	9919.67158	495.98	9919.67158	C70	0.151
PCB 76 (BZ)	30:21			1.000	2000			ND	C70	0.151
PCB 74 (BZ)	30:25			1.000	2000			ND	C70	0.151
PCB 66 (BZ)	30:41	239338560	57838032	1.000	2000	2912.47128	145.62	2912.47128		0.151
PCB 55 (BZ)	30:52	210429424	50951544	1.000	2000	2560.68079	128.03	2560.68079		0.151
PCB 56 (BZ)	31:24	220838080	51448476	1.000	2000	2687.34200	134.37	2687.34200		0.151
PCB 60 (BZ)	31:36	207822720	49520254	1.000	2000	2528.96024	126.45	2528.96024		0.151
PCB 80 (BZ)	31:53	257213704	58874568	1.000	2000	3129.99094	156.50	3129.99094		0.151
PCB 79 (BZ)	33:30	254780400	58719028	1.000	2000	3100.38047	155.02	3100.38047		0.151

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS5	Prep Batch		Lot No	
Data File	/20070313i/a070313i5.d	Prep Date		SDG No	
Analysis ID	96223	Prep Exp Date		Date Received	
Analysis Date	3/14/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	00:23	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 78 (BZ)	34:04	208149720	45552404	1.000	2000	2532.93945	126.65	2532.93945		0.151
PCB 81 (BZ)	34:31	237851760	54917404	1.000	2000	2878.57920	143.93	2878.57920		0.145
PCB 77 (BZ)	35:07	214974352	49453868	1.000	2000	2630.42470	131.52	2630.42470		0.158
Total Pentachlorobiphenyl		7166042524	361222085	1.000		103234.885		103234.885		11.8
13C12-PCB 104	26:27	6131699	1343262	1.000	100.0	117.246929	117.25	117.246929		0.0401
13C12-PCB 95				1.000				ND		0.0346
13C12-PCB 101	32:21	5229731	1158934	1.000	100.0	100.000000	100.00	100.000000		0.0401
13C12-PCB 111				1.000				ND		0.0401
13C12-PCB 123	37:00	9111963	1876420	1.000	100.0	97.644656	97.64	97.644656		0.0246
13C12-PCB 118	37:19	8999409	1912624	1.000	100.0	96.438517	96.44	96.438517		0.0246
13C12-PCB 114	37:52	9252634	1950035	1.000	100.0	99.152100	99.15	99.152100		0.0246
13C12-PCB 105	38:34	8840870	1767507	1.000	100.0	94.739598	94.74	94.739598		0.0246
13C12-PCB 127	39:57	9331758	1890896	1.000	100.0	100.000000	100.00	100.000000		0.0246
13C12-PCB 126	41:38	9185771	1866926	1.000	100.0	98.435590	98.44	98.435590		0.0246
PCB 104 (BZ)	26:29	152995772	35179639	1.000	2000	2495.16116	124.76	2495.16116		0.276
PCB 96 (BZ)	26:58	135693528	33781322	1.000	2000	2212.98417	110.65	2212.98417		0.276
PCB 103 (BZ)	28:45	111437160	26199212	1.000	2000	1817.39449	90.87	1817.39449		0.276
PCB 94 (BZ)	29:03	94250836	21261813	1.000	2000	1537.10800	76.86	1537.10800		0.276
PCB 95 (BZ)	29:36	233311840	30545228	1.000	2000	3805.01130	190.25	3805.01130	C95	0.276
PCB 100 (BZ)	29:36			1.000	2000			ND	C95	0.276
PCB 93 (BZ)	29:43	98290676	23442083	1.000	2000	1602.99251	80.15	1602.99251		0.276
PCB 102 (BZ)	29:51	227809192	30362280	1.000	2000	3715.27030	185.76	3715.27030	C98	0.276
PCB 98 (BZ)	29:55			1.000	2000			ND	C98	0.276
PCB 88 (BZ)	30:13	99162652	22497229	1.000	2000	1617.21330	80.86	1617.21330		0.276
PCB 91 (BZ)	30:22	122687544	27376139	1.000	2000	2000.87356	100.04	2000.87356		0.276
PCB 84 (BZ)	30:39	90698572	19992078	1.000	2000	1479.17522	73.96	1479.17522		0.276
PCB 89 (BZ)	31:06	93305512	21353150	1.000	2000	1521.69100	76.08	1521.69100		0.276
PCB 121 (BZ)	31:20	155533984	35448950	1.000	2000	2536.55608	126.83	2536.55608		0.276
PCB 92 (BZ)	31:47	104537336	23159111	1.000	2000	1704.86738	85.24	1704.86738		0.276
PCB 113 (BZ)	32:21	454084528	87731338	1.000	2000	7405.52542	370.28	7405.52542	C90	0.276
PCB 90 (BZ)	32:23			1.000	2000			ND	C90	0.276
PCB 101 (BZ)	32:23			1.000	2000			ND	C90	0.276
PCB 83 (BZ)	32:52			1.000	2000			ND	C83	0.276
PCB 99 (BZ)	32:56	221377208	41879527	1.000	2000	3610.37305	180.52	3610.37305	C83	0.276
PCB 112 (BZ)	33:05	147551792	33524717	1.000	2000	2406.37696	120.32	2406.37696		0.276
PCB 109 (BZ)/108 (IUPAC)	33:26	877041888	72019802	1.000	2000	14303.4074	715.17	14303.4074	C86	0.276
PCB 86 (BZ)	33:27			1.000	2000			ND	C86	0.276
PCB 119 (BZ)	33:28			1.000	2000			ND	C86	0.276
PCB 97 (BZ)	33:28			1.000	2000			ND	C86	0.276
PCB 125 (BZ)	33:31			1.000	2000			ND	C86	0.276
PCB 87 (BZ)	33:34			1.000	2000			ND	C86	0.276
PCB 117 (BZ)	34:06	417387024	40668282	1.000	2000	6807.03707	340.35	6807.03707	C85	0.276
PCB 116 (BZ)	34:11			1.000	2000			ND	C85	0.276
PCB 85 (BZ)	34:11			1.000	2000			ND	C85	0.276
PCB 110 (BZ)	34:19			1.000	2000			ND	C110	0.276
PCB 115 (BZ)	34:25	351146944	81607278	1.000	2000	5726.74790	286.34	5726.74790	C110	0.276
PCB 82 (BZ)	34:47	80153684	18448391	1.000	2000	1307.20187	65.36	1307.20187		0.276
PCB 111 (BZ)	35:00	151673388	33508566	1.000	2000	2473.59481	123.68	2473.59481		0.276
PCB 120 (BZ)	35:27	169814296	39215018	1.000	2000	2769.44932	138.47	2769.44932		0.276

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IsoCalc

Workorder	2990:71CS5	Prep Batch		Lot No	
Data File	/20070313i/a070313i5.d	Prep Date		SDG No	
Analysis ID	96223	Prep Exp Date		Date Received	
Analysis Date	3/14/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	00:23	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 124 (BZ)	36:41	523647712	113961464	1.000	2000	5768.23362	288.41	5768.23362	C108	0.198
PCB 108 (BZ)/107 (IUPAC)	36:38			1.000	2000			ND	C108	0.198
PCB 107 (BZ)/109 (IUPAC)	36:55	220716928	48868754	1.000	2000	2431.30405	121.57	2431.30405		0.198
PCB 123 (BZ)	37:02	235101584	52881736	1.000	2000	2580.14200	129.01	2580.14200		0.197
PCB 106 (BZ)	37:09	217676232	50210610	1.000	2000	2397.80931	119.89	2397.80931		0.198
PCB 118 (BZ)	37:20	225924480	50163244	1.000	2000	2510.43685	125.52	2510.43685		0.194
PCB 122 (BZ)	37:45	211630408	45623482	1.000	2000	2331.21163	116.56	2331.21163		0.198
PCB 114 (BZ)	37:53	246238536	54742322	1.000	2000	2661.28041	133.06	2661.28041		0.190
PCB 105 (BZ)	38:36	238005016	47162394	1.000	2000	2692.09949	134.60	2692.09949		0.210
PCB 127 (BZ)	39:58	229064440	46931424	1.000	2000	2523.25595	126.16	2523.25595		0.198
PCB 126 (BZ)	41:40	228091832	51475502	1.000	2000	2483.09948	124.15	2483.09948		0.198
Total Hexachlorobiphenyl		6193969460	149497005	1.000		85226.1015		85226.1015		11.6
13C12-PCB 155	32:01	5798844	1280438	1.000	100.0	110.882261	110.88	110.882261		0.0408
13C12-PCB 153				1.000				ND		0.0395
13C12-PCB 138	40:27	6363166	1275675	1.000	100.0	100.000000	100.00	100.000000		0.0370
13C12-PCB 167	43:23	7741251	1582801	1.000	100.0	121.657222	121.66	121.657222		0.0370
13C12-PCB 156	44:38	15490724	1708141	1.000	200.0	243.443657	121.72	243.443657		0.0370
13C12-PCB 157	44:30			1.000				ND		0.0370
13C12-PCB 169	47:49	7574798	1495027	1.000	100.0	119.041339	119.04	119.041339		0.0370
PCB 155 (BZ)	32:02	136728680	31696538	1.000	2000	2357.86098	117.89	2357.86098		0.259
PCB 152 (BZ)	32:24	134084252	28862926	1.000	2000	2312.25831	115.61	2312.25831		0.259
PCB 150 (BZ)	32:31	129154620	31351969	1.000	2000	2227.24771	111.36	2227.24771		0.259
PCB 136 (BZ)	32:59	125333392	27859022	1.000	2000	2161.35133	108.07	2161.35133		0.259
PCB 145 (BZ)	33:12	124473896	28398970	1.000	2000	2146.52948	107.33	2146.52948		0.259
PCB 148 (BZ)	34:36	92621760	20428883	1.000	2000	1597.24524	79.86	1597.24524		0.259
PCB 151 (BZ)	35:14			1.000	2000			ND	C135	0.259
PCB 135 (BZ)	35:18			1.000	2000			ND	C135	0.259
PCB 154 (BZ)	35:26	291073672	25242541	1.000	2000	5019.51203	250.98	5019.51203	C135	0.259
PCB 144 (BZ)	35:49	92810588	20861977	1.000	2000	1600.50155	80.03	1600.50155		0.259
PCB 147 (BZ)	36:13	289677464	55799564	1.000	2000	3761.21789	188.06	3761.21789	C147	0.278
PCB 149 (BZ)	36:11			1.000	2000			ND	C147	0.278
PCB 134 (BZ)	36:21			1.000	2000			ND	C134	0.278
PCB 143 (BZ)	36:32	232391864	26937372	1.000	2000	3017.41262	150.87	3017.41262	C134	0.278
PCB 139 (BZ)	36:46	294511264	50638636	1.000	2000	3823.98071	191.20	3823.98071	C139	0.278
PCB 140 (BZ)	36:46			1.000	2000			ND	C139	0.278
PCB 131 (BZ)	37:02	116350012	24864085	1.000	2000	1510.70691	75.54	1510.70691		0.278
PCB 142 (BZ)	37:11	118434360	27066201	1.000	2000	1537.77041	76.89	1537.77041		0.278
PCB 132 (BZ)	37:33	113131856	24462902	1.000	2000	1468.92186	73.45	1468.92186		0.278
PCB 133 (BZ)	37:54	131694304	30140866	1.000	2000	1709.93962	85.50	1709.93962		0.278
PCB 165 (BZ)	38:17	170007552	37399327	1.000	2000	2207.40487	110.37	2207.40487		0.278
PCB 146 (BZ)	38:33	146076812	31290241	1.000	2000	1896.68437	94.83	1896.68437		0.278
PCB 161 (BZ)	38:40	190925504	45060778	1.000	2000	2479.00686	123.95	2479.00686		0.278
PCB 153 (BZ)	39:10	382973504	67721988	1.000	2000	4972.58839	248.63	4972.58839	C153	0.278
PCB 168 (BZ)	39:12			1.000	2000			ND	C153	0.278
PCB 141 (BZ)	39:24	124108892	26940961	1.000	2000	1611.44943	80.57	1611.44943		0.278
PCB 130 (BZ)	39:50	113586356	24204217	1.000	2000	1474.82316	73.74	1474.82316		0.278
PCB 137 (BZ)	40:01	141928176	32138897	1.000	2000	1842.81782	92.14	1842.81782		0.278
PCB 164 (BZ)	40:11	170146152	38096020	1.000	2000	2209.20448	110.46	2209.20448		0.278
PCB 138 (BZ)	40:22			1.000	2000			ND	C129	0.278

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IsoCalc Preliminary Sample Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS5	Prep Batch		Lot No	
Data File	/20070313i/a070313i5.d	Prep Date		SDG No	
Analysis ID	96223	Prep Exp Date		Date Received	
Analysis Date	3/14/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	00:23	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 163 (BZ)	40:23			1.000	2000			ND	C129	0.278
PCB 129 (BZ)	40:29	662995552	78344108	1.000	2000	8608.43883	430.42	8608.43883	C129	0.278
PCB 160 (BZ)	40:34			1.000	2000			ND	C129	0.278
PCB 158 (BZ)	40:50	197773632	42350976	1.000	2000	2567.92403	128.40	2567.92403		0.278
PCB 166 (BZ)	41:41	184234552	38972000	1.000	2000	2392.13048	119.61	2392.13048		0.278
PCB 128 (BZ)	41:48	128278048	27241050	1.000	2000	1665.58241	83.28	1665.58241		0.278
PCB 159 (BZ)	42:38	184565984	38391274	1.000	2000	2396.43385	119.82	2396.43385		0.278
PCB 162 (BZ)	42:56	179821032	39110352	1.000	2000	2334.82464	116.74	2334.82464		0.278
PCB 167 (BZ)	43:24	194418096	42108486	1.000	2000	2511.45578	125.57	2511.45578		0.210
PCB 156 (BZ)	44:39	390781696	42842646	1.000	4000	5045.36387	126.13	5045.36387	C156	0.389
PCB 157 (BZ)	44:32			1.000				ND	C156	0.389
PCB 169 (BZ)	47:50	208875936	42671232	1.000	2000	2757.51163	137.88	2757.51163		0.222
Total Heptachlorobiphenyl		3017850868	632528430	1.000		53279.1939		53279.1939		6.16
13C12-PCB 188	37:46	6906447	1466370	1.000	100.0	124.658020	124.66	124.658020		0.0347
13C12-PCB 178				1.000				ND		0.0347
13C12-PCB 180	45:54	5540315	1138718	1.000	100.0	100.000000	100.00	100.000000		0.0347
13C12-PCB 170	47:13	4209952	837801	1.000	100.0	75.987593	75.99	75.987593		0.0347
13C12-PCB 189	50:16	7827793	1575063	1.000	100.0	165.041606	165.04	165.041606		0.0428
PCB 188 (BZ)	37:47	155851328	34235346	1.000	2000	2256.60644	112.83	2256.60644		0.203
PCB 179 (BZ)	38:13	144515888	31056489	1.000	2000	2600.04859	130.00	2600.04859		0.258
PCB 184 (BZ)	38:38	145680640	31616200	1.000	2000	2621.00416	131.05	2621.00416		0.258
PCB 176 (BZ)	39:05	150637216	31844864	1.000	2000	2710.18009	135.51	2710.18009		0.258
PCB 186 (BZ)	39:34	141551200	31877530	1.000	2000	2546.70960	127.34	2546.70960		0.258
PCB 178 (BZ)	40:51	104699200	23835609	1.000	2000	1883.68913	94.18	1883.68913		0.258
PCB 175 (BZ)	41:28	105391328	21659526	1.000	2000	1896.14151	94.81	1896.14151		0.258
PCB 187 (BZ)	41:45	121236372	26527859	1.000	2000	2181.21663	109.06	2181.21663		0.258
PCB 182 (BZ)	41:55	115044404	25299205	1.000	2000	2069.81423	103.49	2069.81423		0.258
PCB 183 (BZ)	42:20	111933580	23776531	1.000	2000	2013.84603	100.69	2013.84603		0.258
PCB 185 (BZ)	42:29	104466200	22960880	1.000	2000	1879.49713	93.97	1879.49713		0.258
PCB 174 (BZ)	42:40	109678160	23997922	1.000	2000	1973.26778	98.66	1973.26778		0.258
PCB 177 (BZ)	43:06	101741212	20768407	1.000	2000	1830.47068	91.52	1830.47068		0.258
PCB 181 (BZ)	43:26	116290284	25268920	1.000	2000	2092.22940	104.61	2092.22940		0.258
PCB 171 (BZ)	43:42	209298640	46611304	1.000	2000	3765.58344	188.28	3765.58344	C171	0.258
PCB 173 (BZ)	43:36			1.000	2000			ND	C171	0.258
PCB 172 (BZ)	45:16	98102448	20832934	1.000	2000	1765.00408	88.25	1765.00408		0.258
PCB 192 (BZ)	45:32	132307356	28057546	1.000	2000	2380.39955	119.02	2380.39955		0.258
PCB 193 (BZ)	45:53	271077760	42582672	1.000	2000	4877.07863	243.85	4877.07863	C180	0.258
PCB 180 (BZ)	45:52			1.000	2000			ND	C180	0.258
PCB 191 (BZ)	46:16	145154336	30548782	1.000	2000	2611.53519	130.58	2611.53519		0.258
PCB 170 (BZ)	47:15	93091540	19757566	1.000	2000	2211.22569	110.56	2211.22569		0.355
PCB 190 (BZ)	47:43	147389296	28194378	1.000	2000	2651.74534	132.59	2651.74534		0.258
PCB 189 (BZ)	50:17	192712480	41217960	1.000	2000	2461.90056	123.10	2461.90056		0.189
Total Octachlorobiphenyl		1286266252	260255414	1.000		22276.0477		22276.0477		2.16
13C12-PCB 202	43:07	5475544	1166601	1.000	100.0	98.830915	98.83	98.830915		0.0318
13C12-PCB 194	52:20	4742921	922818	1.000	100.0	100.000000	100.00	100.000000		0.0393
13C12-PCB 205	52:47	6733085	1336362	1.000	100.0	141.960724	141.96	141.960724		0.0393
PCB 202 (BZ)	43:08	112551560	25156231	1.000	2000	2055.53202	102.78	2055.53202		0.186
PCB 200 (BZ)/201 (IUPAC)	44:02	121418384	26368993	1.000	2000	2217.46705	110.87	2217.46705		0.186
PCB 204 (BZ)	44:42	116595632	25877369	1.000	2000	2129.38901	106.47	2129.38901		0.186

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS5	Prep Batch		Lot No	
Data File	/20070313i/a070313i5.d	Prep Date		SDG No	
Analysis ID	96223	Prep Exp Date		Date Received	
Analysis Date	3/14/2007	Matrix	UNKNOWN	Date Sampled	
Analysis Time	00:23	Initial Wt/Vol		Lims Test Code	
Anal Exp Date		Extract Vol		Method	IE3
Instrument	M1D	Dil Factor	1.0	Code	IE3
Analyst	DCG				

Analyte	RT	Area	Height	RF	Std Amt	Amount	Rec	Conc (ng/mL)		DL (ng/mL)
PCB 197 (BZ)	44:55	118409592	25458112	1.000	2000	2162.51740	108.13	2162.51740		0.186
PCB 199 (BZ)/200 (IUPAC)	45:07	116585748	24756242	1.000	2000	2129.20850	106.46	2129.20850		0.186
PCB 198 (BZ)	47:51	174302624	22114729	1.000	2000	3183.29328	159.16	3183.29328	C198	0.186
PCB 201 (BZ)/199 (IUPAC)	47:50			1.000	2000			ND	C198	0.186
PCB 196 (BZ)	48:30	80059300	16903993	1.000	2000	1462.12504	73.11	1462.12504		0.186
PCB 203 (BZ)	48:41	90122840	18864758	1.000	2000	1645.91573	82.30	1645.91573		0.186
PCB 195 (BZ)	50:05	105908832	22214884	1.000	2000	1572.96146	78.65	1572.96146		0.163
PCB 194 (BZ)	52:22	109780828	22971994	1.000	2000	1630.46847	81.52	1630.46847		0.163
PCB 205 (BZ)	52:50	140530912	29568109	1.000	2000	2087.16973	104.36	2087.16973		0.163
Total Nonachlorobiphenyl		341535684	72117261	1.000		7130.20429		7130.20429		0.409
13C12-PCB 208	49:44	5602633	1144140	1.000	100.0	118.126214	118.13	118.126214		0.0368
13C12-PCB 206	54:31	3986771	782325	1.000	100.0	84.057293	84.06	84.057293		0.0368
PCB 208 (BZ)	49:45	122813444	25411819	1.000	2000	2192.06655	109.60	2192.06655		0.112
PCB 207 (BZ)	50:40	129669764	27661809	1.000	2000	2704.43844	135.22	2704.43844		0.133
PCB 206 (BZ)	54:32	89052476	19043633	1.000	2000	2233.69930	111.68	2233.69930		0.164
13C12-PCB 209	56:05	4573959	840156	1.000	100.0	96.437596	96.44	96.437596		0.0328
PCB 209 (BZ)	56:07	97743148	18550912	1.000	2000	2136.94849	106.85	2136.94849		0.101

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PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS5	Prep Batch		Lot No	
Data File	/20070313i/a070313i5.d	Prep Date		SDG No	
Analysis ID	96223	Prep Exp Date		Date Received	
Analysis Date	03/14/07 00:23	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
188					188.0393	190.0363	188.0393	190.0363	2.66-3.60		
	Noise	00:00	00:00	0	1200	868	480	347	1.38 *	/	
	PCB 1 (BZ)	12:10	00:00	0	210471872	67082888	77641040	25362732	3.14	ABV/ABV	
	PCB 2 (BZ)	14:13	00:00	0	231296912	64992100	77957240	22743238	3.56	ABV/ABV	
	PCB 3 (BZ)	14:24	00:00	0	238555008	66594508	77259672	24922040	3.58	AVV/AVV	
200					200.0795	202.0766	200.0795	202.0766	2.66-3.60		
	Noise	00:00	00:00	0	360	360	144	144	1.00 *	/	
	13C12-PCB 1	12:10	00:00	0	7334944	2258840	3058298	932152	3.25	AVV/AVV	
	13C12-PCB 3	14:23	00:00	0	7851382	2417545	2524679	785467	3.25	ABV/AVV	
222					222.0003	223.9974	222.0003	223.9974	1.33-1.79		
	Noise	00:00	00:00	0	1443	2070	577	828	0.70 *	/	
	PCB 4 (BZ)	14:42	00:00	0	76697192	46840580	26408386	15604596	1.64	ABV/ABV	
	PCB 10 (BZ)	14:51	00:00	0	126522640	75221328	41703784	24589756	1.68	AVV/AVV	
	PCB 9 (BZ)	16:39	00:00	0	138651632	81977768	47217172	26946244	1.69	ABV/ABV	
	PCB 7 (BZ)	16:49	00:00	0	141111376	83377040	47890448	27350202	1.69	AVV/AVV	D
	PCB 6 (BZ)	17:05	00:00	0	139494224	83201704	45642192	26680226	1.68	AVV/AVV	
	PCB 5 (BZ)	17:24	00:00	0	129654296	77709472	39838416	23451028	1.67	AVV/AVV	
	PCB 8 (BZ)	17:32	00:00	0	142398576	84711144	47105408	27169398	1.68	AVB/AVB	
	PCB 14 (BZ)	19:07	00:00	0	169875488	100731104	48828120	28475062	1.69	ABV/ABV	M
	PCB 11 (BZ)	20:02	00:00	0	136455440	81621280	39838156	23406882	1.67	MBV/MVV	
	PCB 13 (BZ)	20:21	00:00	0	319345152	183222944	65744260	36638572	1.74	AVV/AVV	
	PCB 12 (BZ)	20:26	00:00	0	0	0	0	0	0.00 *	/	
	PCB 15 (BZ)	20:41	00:00	0	153150752	91438400	44330740	25724038	1.67	AVV/AVV	
234					234.0406	236.0376	234.0406	236.0376	1.33-1.79		
	Noise	00:00	00:00	0	428	255	171	102	1.68	/	
	13C12-PCB 4	14:41	00:00	0	2877878	1798049	945225	601824	1.60	AVV/ABV	
	13C12-PCB 9	16:38	00:00	0	4808112	2980494	1446322	909750	1.61	ABV/ABV	
	13C12-PCB 15	20:40	00:00	0	5390541	3355119	1361973	856620	1.61	AVV/ABV	
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	Noise	00:00	00:00	0	1795	1600	718	640	1.12	/	
	PCB 19 (BZ)	17:53	00:00	0	45118912	43103240	13339009	12867494	1.05	ABV/ABV	
	PCB 30 (BZ)	19:36	00:00	0	75554112	72073864	21672138	20693070	1.05	ABV/ABV	M
	PCB 18 (BZ)	19:44	00:00	0	49775256	47930512	13179415	12869300	1.04	AVV/AVV	M
	PCB 17 (BZ)	20:08	00:00	0	53020612	50542908	14241924	13748069	1.05	ABV/ABV	
	PCB 27 (BZ)	20:24	00:00	0	84184544	79329480	22825506	21213508	1.06	AVV/AVV	
	PCB 24 (BZ)	20:30	00:00	0	72363200	69293488	20751112	19760616	1.04	AVV/AVV	
	PCB 16 (BZ)	20:41	00:00	0	45862088	43543552	11523598	10977116	1.05	AVB/AVB	D
	PCB 32 (BZ)	21:08	00:00	0	81715312	77992056	21527156	20700770	1.05	ABV/ABV	M
	PCB 34 (BZ)	22:22	00:00	0	147408224	137914976	39966308	37174564	1.07	ABV/ABV	M
	PCB 23 (BZ)	22:30	00:00	0	151699456	142606224	41889928	39635736	1.06	AVB/AVB	DM
	PCB 29 (BZ)	22:50	00:00	0	347366688	335584832	78351352	78481272	1.04	ABV/ABV	M
	PCB 26 (BZ)	22:56	00:00	0	0	0	0	0	0.00 *	/	
	PCB 25 (BZ)	23:05	00:00	0	173356096	162111408	41138940	38927008	1.07	AVV/AVV	D
	PCB 31 (BZ)	23:25	00:00	0	158198208	147319248	43137436	39740624	1.07	AVV/AVV	D

Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside tmax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS5	Prep Batch		Lot No	
Data File	/20070313i/a070313i5.d	Prep Date		SDG No	
Analysis ID	96223	Prep Exp Date		Date Received	
Analysis Date	03/14/07 00:23	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	PCB 28 (BZ)	23:41	00:00	0	318988576	297561888	41050896	38446332	1.07	AVV/AVV	M
	PCB 20 (BZ)	23:47	00:00	0	0	0	0	0	0.00 *	/	
	PCB 21 (BZ)	23:58	00:00	0	339438016	315170464	48776324	45215780	1.08	AVV/AVV	
	PCB 33 (BZ)	24:01	00:00	0	0	0	0	0	0.00 *	/	
	PCB 22 (BZ)	24:23	00:00	0	163078464	151856368	40516856	38422884	1.07	AVV/AVV	D
	PCB 36 (BZ)	25:52	00:00	0	167614272	155298528	39397744	36591332	1.08	AVV/AVV	M
	PCB 39 (BZ)	26:16	00:00	0	169936336	158945056	41337088	39192040	1.07	AVV/AVV	D
	PCB 38 (BZ)	26:52	00:00	0	159416432	146772144	37013964	34231140	1.09	AVV/AVV	D
	PCB 35 (BZ)	27:21	00:00	0	152703744	141751792	36985852	34672164	1.08	AVV/AVV	
	PCB 37 (BZ)	27:48	00:00	0	154800752	143805136	37683920	35125116	1.08	AVV/AVV	
268					268.0016	269.9986	268.0016	269.9986	0.88-1.20		
	Noise	00:00	00:00	0	613	330	245	132	1.86 *	/	
	13C12-PCB 19	17:52	00:00	0	1833619	1683095	530337	478263	1.09	AVV/ABV	
	13C12-PCB 32	21:07	00:00	0	3407109	3166017	872501	825537	1.08	AVV/ABV	
	13C12-PCB 31	23:24	00:00	0	5909714	5544344	1399428	1299685	1.07	ABV/AVV	
	13C12-PCB 37	27:46	00:00	0	5615060	5167349	1229573	1132807	1.09	ABV/ABV	
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	Noise	00:00	00:00	0	1030	1638	412	655	0.63 *	/	
	PCB 54 (BZ)	21:02	00:00	0	43314232	56174776	11058869	14574485	0.77	ABV/ABV	
	PCB 53 (BZ)	23:10	00:00	0	139620240	187198672	25142554	34614704	0.75	ABV/ABV	
	PCB 50 (BZ)	23:15	00:00	0	0	0	0	0	0.00 *	/	
	PCB 45 (BZ)	23:54	00:00	0	133763928	179481776	26473472	36272336	0.75	AVV/AVV	
	PCB 51 (BZ)	23:56	00:00	0	0	0	0	0	0.00 *	/	
	PCB 46 (BZ)	24:13	00:00	0	50604100	65961676	12118807	15792730	0.77	AVV/AVV	D
	PCB 52 (BZ)	25:33	00:00	0	63770552	84185248	15412816	20208942	0.76	ABV/ABV	D
	PCB 73 (BZ)	25:41	00:00	0	139547504	181867728	20460384	27260256	0.77	AVV/AVV	
	PCB 43 (BZ)	25:49	00:00	0	0	0	0	0	0.00 *	/	
	PCB 69 (BZ)	25:56	00:00	0	88798048	120811760	22295988	30083486	0.74	AVV/AVV	M
	PCB 49 (BZ)	26:02	00:00	0	72479000	95409096	18262312	24287748	0.76	AVB/AVB	M
	PCB 48 (BZ)	26:19	00:00	0	65153596	85445000	15508839	20565150	0.76	ABV/ABV	D
	PCB 44 (BZ)	26:34	00:00	0	245588704	342993600	40709296	59425460	0.72	AVV/AVV	
	PCB 65 (BZ)	26:36	00:00	0	0	0	0	0	0.00 *	/	
	PCB 47 (BZ)	26:37	00:00	0	0	0	0	0	0.00 *	/	
	PCB 62 (BZ)	26:52	00:00	0	308318848	425929184	35466780	50027800	0.72	AVV/AVV	
	PCB 59 (BZ)	26:54	00:00	0	0	0	0	0	0.00 *	/	
	PCB 75 (BZ)	26:58	00:00	0	0	0	0	0	0.00 *	/	
	PCB 42 (BZ)	27:06	00:00	0	61114912	80750616	14578870	19715896	0.76	AVB/AVV	D
	PCB 41 (BZ)	27:31	00:00	0	50396216	66441056	12246700	15982445	0.76	ABV/ABV	
	PCB 71 (BZ)	27:36	00:00	0	0	0	0	0	0.00 *	/	
	PCB 40 (BZ)	27:38	00:00	0	149734768	202370880	26662620	36644224	0.74	AVV/AVV	D
	PCB 64 (BZ)	27:50	00:00	0	101169096	135549664	24676406	33648884	0.75	AVV/AVV	D
	PCB 72 (BZ)	28:34	00:00	0	92364800	123769640	21946780	30138674	0.75	ABV/ABV	M
	PCB 68 (BZ)	28:51	00:00	0	100376840	134434304	23200886	31751414	0.75	AVV/AVV	M
	PCB 57 (BZ)	29:17	00:00	0	89114840	118224176	20573264	27978148	0.75	ABV/ABV	M

Notes:
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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS5	Prep Batch		Lot No	
Data File	/20070313i/a070313i5.d	Prep Date		SDG No	
Analysis ID	96223	Prep Exp Date		Date Received	
Analysis Date	03/14/07 00:23	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	PCB 58 (BZ)	29:35	00:00	0	96048176	127153936	20524634	27266212	0.76	AVV/AVV	
	PCB 67 (BZ)	29:43	00:00	0	100929408	135919040	24487232	33786176	0.74	AVV/AVV	
	PCB 63 (BZ)	29:59	00:00	0	105092016	140710736	23836780	32738028	0.75	AVV/AVV	
	PCB 61 (BZ)	30:12	00:00	0	90771808	121706168	20280604	27760580	0.75	AVV/AVV	M
	PCB 76 (BZ)	30:21	00:00	0	0	0	0	0	0.00 *	/	
	PCB 70 (BZ)	30:22	00:00	0	369823104	445347136	77312904	78014568	0.83	AVB/AVB	
	PCB 74 (BZ)	30:25	00:00	0	0	0	0	0	0.00 *	/	
	PCB 66 (BZ)	30:41	00:00	0	102220864	137117696	24492846	33345186	0.75	ABV/ABV	
	PCB 55 (BZ)	30:52	00:00	0	90033688	120395736	21622380	29329164	0.75	AVB/AVB	
	PCB 56 (BZ)	31:24	00:00	0	94400928	126437152	21684524	29763952	0.75	ABV/ABV	M
	PCB 60 (BZ)	31:36	00:00	0	88907360	118915360	20933912	28586342	0.75	AVV/AVV	
	PCB 80 (BZ)	31:53	00:00	0	110046040	147167664	24942716	33931852	0.75	AVV/AVV	
	PCB 79 (BZ)	33:30	00:00	0	109027328	145753072	24779444	33939584	0.75	ABV/ABV	
	PCB 78 (BZ)	34:04	00:00	0	89318632	118831088	19326966	26225438	0.75	ABV/ABV	
	PCB 81 (BZ)	34:31	00:00	0	103177264	134674496	23319114	31598290	0.77	AVV/AVV	
	PCB 77 (BZ)	35:07	00:00	0	91695448	123278904	21038706	28415162	0.74	ABB/ABB	M
302					301.9626	303.9597	301.9626	303.9597	0.65-0.89		
	Noise	00:00	00:00	0	190	175	76	70	1.09 *	/	
	13C12-PCB 54	21:01	00:00	0	1705118	2116073	426769	535541	0.81	ABV/ABV	
	13C12-PCB 52	25:31	00:00	0	2576148	3223003	594621	732746	0.80	AVV/ABV	
	13C12-PCB 81	34:30	00:00	0	3706924	4555894	824176	1009599	0.81	ABV/ABV	M
	13C12-PCB 77	35:06	00:00	0	3644319	4528291	740826	948553	0.80	ABB/ABB	M
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	Noise	00:00	00:00	0	1925	1780	770	712	1.08 *	/	
	PCB 104 (BZ)	26:29	00:00	0	94398728	58597044	21847800	13331839	1.61	ABV/ABV	
	PCB 96 (BZ)	26:58	00:00	0	84030240	51663288	21020722	12760600	1.63	AVV/AVV	D
	PCB 103 (BZ)	28:45	00:00	0	68683656	42753504	16249490	9949722	1.61	ABV/ABV	M
	PCB 94 (BZ)	29:03	00:00	0	58173676	36077160	13156662	8105151	1.61	AVV/AVV	D
	PCB 100 (BZ)	29:36	00:00	0	0	0	0	0	0.00 *	/	M
	PCB 95 (BZ)	29:36	00:00	0	144107648	89204192	18933594	11611634	1.62	ABV/ABV	M
	PCB 93 (BZ)	29:43	00:00	0	60830096	37460580	14498516	8943567	1.62	AVV/AVV	DM
	PCB 102 (BZ)	29:51	00:00	0	140717840	87091352	18735236	11627044	1.62	AVB/AVB	D
	PCB 98 (BZ)	29:55	00:00	0	0	0	0	0	0.00 *	/	
	PCB 88 (BZ)	30:13	00:00	0	61398004	37764648	13967318	8529911	1.63	ABV/ABV	
	PCB 91 (BZ)	30:22	00:00	0	76154296	46533248	17060066	10316073	1.64	AVV/AVV	D
	PCB 84 (BZ)	30:39	00:00	0	56117336	34581236	12436765	7555313	1.62	AVB/AVB	M
	PCB 89 (BZ)	31:06	00:00	0	57419452	35886060	13150069	8203081	1.60	ABV/ABV	D
	PCB 121 (BZ)	31:20	00:00	0	96245904	59288080	22069756	13379194	1.62	AVV/AVV	M
	PCB 92 (BZ)	31:47	00:00	0	64420460	40116876	14299207	8859904	1.61	ABB/ABB	D
	PCB 113 (BZ)	32:21	00:00	0	286746336	167338192	56080428	31650910	1.71	ABV/ABV	D
	PCB 90 (BZ)	32:23	00:00	0	0	0	0	0	0.00 *	/	
	PCB 101 (BZ)	32:23	00:00	0	0	0	0	0	0.00 *	/	
	PCB 83 (BZ)	32:52	00:00	0	0	0	0	0	0.00 *	/	
	PCB 99 (BZ)	32:56	00:00	0	137454224	83922984	26231558	15647969	1.64	ABV/ABV	D

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STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

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Data File	/20070313i/a070313i5.d	Prep Date		SDG No	
Analysis ID	96223	Prep Exp Date		Date Received	
Analysis Date	03/14/07 00:23	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	PCB 112 (BZ)	33:05	00:00	0	91230936	56320856	20755620	12769097	1.62	AVB/AVB	D
	PCB 109 (BZ)/108 (IUPAC	33:26	00:00	0	549054656	327987232	45655344	26364458	1.67	ABB/ABB	D
	PCB 86 (BZ)	33:27	00:00	0	0	0	0	0	0.00 *	/	
	PCB 97 (BZ)	33:28	00:00	0	0	0	0	0	0.00 *	/	
	PCB 119 (BZ)	33:28	00:00	0	0	0	0	0	0.00 *	/	
	PCB 125 (BZ)	33:31	00:00	0	0	0	0	0	0.00 *	/	
	PCB 87 (BZ)	33:34	00:00	0	0	0	0	0	0.00 *	/	
	PCB 117 (BZ)	34:06	00:00	0	257786848	159600176	25165980	15502302	1.62	ABV/ABV	D
	PCB 116 (BZ)	34:11	00:00	0	0	0	0	0	0.00 *	/	
	PCB 85 (BZ)	34:11	00:00	0	0	0	0	0	0.00 *	/	
	PCB 110 (BZ)	34:19	00:00	0	0	0	0	0	0.00 *	/	
	PCB 115 (BZ)	34:25	00:00	0	220204752	130942192	51826460	29780818	1.68	AVB/AVB	D
	PCB 82 (BZ)	34:47	00:00	0	49010200	31143484	11273930	7174461	1.57	ABV/ABV	M
	PCB 111 (BZ)	35:00	00:00	0	93650136	58023252	20781904	12726662	1.61	AVB/AVB	D
	PCB 120 (BZ)	35:27	00:00	0	104751848	65062448	24266430	14948588	1.61	AVB/AVB	D
	PCB 108 (BZ)/107 (IUPAC	36:38	00:00	0	0	0	0	0	0.00 *	/	
	PCB 124 (BZ)	36:41	00:00	0	334985696	188662016	73664936	40296528	1.78 *	AVV/AVV	D
	PCB 107 (BZ)/109 (IUPAC	36:55	00:00	0	138545888	82171040	31064494	17804260	1.69	AVV/AVV	D
	PCB 123 (BZ)	37:02	00:00	0	147520672	87580912	33297840	19583896	1.68	AVV/AVV	
	PCB 106 (BZ)	37:09	00:00	0	137160608	80515624	31844790	18365820	1.70	AVV/AVV	
	PCB 118 (BZ)	37:20	00:00	0	141727648	84196832	31682490	18480754	1.68	AVV/AVV	
	PCB 122 (BZ)	37:45	00:00	0	132846800	78783608	28676986	16946496	1.69	ABV/ABV	M
	PCB 114 (BZ)	37:53	00:00	0	155126960	91111576	34709796	20032526	1.70	AVB/AVB	
	PCB 105 (BZ)	38:36	00:00	0	149819264	88185752	29837270	17325124	1.70	ABB/ABB	M
	PCB 127 (BZ)	39:58	00:00	0	143620624	85443816	29611570	17319854	1.68	AVV/AVV	
	PCB 126 (BZ)	41:40	00:00	0	143472944	84618888	32809846	18665656	1.70	AVV/AVV	M
338					337.9207	339.9178	337.9207	339.9178	1.32-1.78		
	Noise	00:00	00:00	0	260	205	104	82	1.27 *	/	
	13C12-PCB 104	26:27	00:00	0	3789773	2341926	823510	519752	1.62	ABV/ABV	D
	13C12-PCB 101	32:21	00:00	0	3229177	2000554	716383	442551	1.61	AVV/ABV	
	13C12-PCB 123	37:00	00:00	0	5592385	3519578	1154301	722119	1.59	ABV/ABV	D
	13C12-PCB 118	37:19	00:00	0	5543662	3455747	1183692	728932	1.60	AVV/AVV	D
	13C12-PCB 114	37:52	00:00	0	5726251	3526383	1202264	747771	1.62	AVV/AVV	D
	13C12-PCB 105	38:34	00:00	0	5465549	3375321	1091683	675824	1.62	ABV/ABV	M
	13C12-PCB 127	39:57	00:00	0	5765924	3565834	1168307	722589	1.62	AVV/ABV	
	13C12-PCB 126	41:38	00:00	0	5663393	3522378	1146731	720195	1.61	ABV/ABV	M
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	Noise	00:00	00:00	0	1715	1608	686	643	1.07	/	
	PCB 155 (BZ)	32:02	00:00	0	76788728	59939952	17797896	13898642	1.28	ABV/ABV	M
	PCB 152 (BZ)	32:24	00:00	0	75310800	58773452	16299396	12563530	1.28	AVV/AVV	
	PCB 150 (BZ)	32:31	00:00	0	72484984	56669636	17610462	13741507	1.28	AVB/AVB	
	PCB 136 (BZ)	32:59	00:00	0	70585688	54747704	15791201	12067821	1.29	ABV/ABV	M
	PCB 145 (BZ)	33:12	00:00	0	69606984	54866912	15866168	12532802	1.27	AVB/AVB	
	PCB 148 (BZ)	34:36	00:00	0	51701084	40920676	11412097	9016786	1.26	ABV/ABV	M

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STL - Knoxville

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PCB's by EPA Method 1668A

IsoCalc

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Data File	/20070313i/a070313i5.d	Prep Date		SDG No	
Analysis ID	96223	Prep Exp Date		Date Received	
Analysis Date	03/14/07 00:23	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	PCB 151 (BZ)	35:14	00:00	0	0	0	0	0	0.00 *	/	
	PCB 135 (BZ)	35:18	00:00	0	0	0	0	0	0.00 *	/	
	PCB 154 (BZ)	35:26	00:00	0	162651600	128422072	14156677	11085864	1.27	AVV/AVV	
	PCB 144 (BZ)	35:49	00:00	0	51835692	40974896	11657345	9204632	1.27	AVB/AVB	
	PCB 149 (BZ)	36:11	00:00	0	0	0	0	0	0.00 *	/	
	PCB 147 (BZ)	36:13	00:00	0	162394928	127282536	31377012	24422552	1.28	ABV/ABV	
	PCB 134 (BZ)	36:21	00:00	0	0	0	0	0	0.00 *	/	
	PCB 143 (BZ)	36:32	00:00	0	129504144	102887720	14995313	11942059	1.26	AVV/AVV	
	PCB 140 (BZ)	36:46	00:00	0	0	0	0	0	0.00 *	/	
	PCB 139 (BZ)	36:46	00:00	0	164686496	129824768	28316500	22322136	1.27	AVV/AVV	
	PCB 131 (BZ)	37:02	00:00	0	64624132	51725880	13823411	11040674	1.25	AVV/AVV	M
	PCB 142 (BZ)	37:11	00:00	0	65906512	52527848	15129612	11936589	1.25	AVB/AVB	
	PCB 132 (BZ)	37:33	00:00	0	62879636	50252220	13644389	10818513	1.25	ABB/ABB	M
	PCB 133 (BZ)	37:54	00:00	0	73370120	58324184	16762314	13378552	1.26	ABB/ABB	
	PCB 165 (BZ)	38:17	00:00	0	94742008	75265544	20830548	16568779	1.26	ABV/ABV	D
	PCB 146 (BZ)	38:33	00:00	0	81313192	64763620	17451004	13839237	1.26	AVV/AVV	D
	PCB 161 (BZ)	38:40	00:00	0	106959576	83965928	25216312	19844466	1.27	AVB/AVB	D
	PCB 153 (BZ)	39:10	00:00	0	213908128	169065376	37952256	29769732	1.27	ABV/ABV	D
	PCB 168 (BZ)	39:12	00:00	0	0	0	0	0	0.00 *	/	
	PCB 141 (BZ)	39:24	00:00	0	69111200	54997692	14976171	11964790	1.26	AVV/AVV	D
	PCB 130 (BZ)	39:50	00:00	0	63138844	50447512	13420204	10784013	1.25	ABV/ABV	M
	PCB 137 (BZ)	40:01	00:00	0	79124632	62803544	17908000	14230897	1.26	AVV/AVV	D
	PCB 164 (BZ)	40:11	00:00	0	94528904	75617248	21179038	16916982	1.25	AVV/AVV	M
	PCB 138 (BZ)	40:22	00:00	0	0	0	0	0	0.00 *	/	
	PCB 163 (BZ)	40:23	00:00	0	0	0	0	0	0.00 *	/	
	PCB 129 (BZ)	40:29	00:00	0	370460256	292535296	44198388	34145720	1.27	AVV/AVV	
	PCB 160 (BZ)	40:34	00:00	0	0	0	0	0	0.00 *	/	
	PCB 158 (BZ)	40:50	00:00	0	110344552	87429080	23689842	18661134	1.26	AVB/AVB	M
	PCB 166 (BZ)	41:41	00:00	0	102621176	81613376	21796744	17175256	1.26	ABV/ABV	
	PCB 128 (BZ)	41:48	00:00	0	71065488	57212560	15132883	12108167	1.24	AVV/AVV	M
	PCB 159 (BZ)	42:38	00:00	0	102525488	82040496	21317988	17073286	1.25	AVB/AVB	D
	PCB 162 (BZ)	42:56	00:00	0	99774360	80046672	21722064	17388288	1.25	ABV/ABV	
	PCB 167 (BZ)	43:24	00:00	0	108166528	86251568	23446170	18662316	1.25	ABB/ABB	
	PCB 157 (BZ)	44:32	00:00	0	0	0	0	0	0.00 *	/	
	PCB 156 (BZ)	44:39	00:00	0	218930096	171851600	23929354	18913292	1.27	ABV/AVV	M
	PCB 169 (BZ)	47:50	00:00	0	117904272	90971664	23969500	18701732	1.30	ABV/AVV	M
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	Noise	00:00	00:00	0	240	233	96	93	1.03 *	/	
	13C12-PCB 155	32:01	00:00	0	3262042	2536802	711296	569142	1.29	ABV/ABV	M
	13C12-PCB 138	40:27	00:00	0	3577775	2785391	718108	557567	1.28	ABV/AVV	M
	13C12-PCB 167	43:23	00:00	0	4364936	3376315	887624	695177	1.29	AVV/AVV	
	13C12-PCB 157	44:30	00:00	0	0	0	0	0	0.00 *	/	
	13C12-PCB 156	44:38	00:00	0	8681503	6809221	959134	749007	1.27	AVV/ABV	M
	13C12-PCB 169	47:49	00:00	0	4242504	3332294	835097	659930	1.27	ABV/ABV	M

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Analysis Date	03/14/07 00:23	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	Noise	00:00	00:00	0	1480	1493	592	597	0.99	/	
	PCB 188 (BZ)	37:47	00:00	0	79627408	76223920	17456088	16779258	1.04	ABV/ABV	
	PCB 179 (BZ)	38:13	00:00	0	73629064	70886824	15836503	15219986	1.04	AVV/AVV	D
	PCB 184 (BZ)	38:38	00:00	0	74468056	71212584	16052958	15563242	1.05	AVV/AVV	
	PCB 176 (BZ)	39:05	00:00	0	76933792	73703424	16213942	15630922	1.04	AVV/AVV	D
	PCB 186 (BZ)	39:34	00:00	0	72200048	69351152	16274898	15602632	1.04	AVV/AVV	M
	PCB 178 (BZ)	40:51	00:00	0	53463472	51235728	12139313	11696296	1.04	ABV/ABV	D
	PCB 175 (BZ)	41:28	00:00	0	53630292	51761036	10935673	10723853	1.04	ABV/ABV	D
	PCB 187 (BZ)	41:45	00:00	0	61977792	59258580	13493585	13034274	1.05	AVV/AVV	D
	PCB 182 (BZ)	41:55	00:00	0	58702912	56341492	12895321	12403884	1.04	AVB/AVB	D
	PCB 183 (BZ)	42:20	00:00	0	56979920	54953660	12007304	11769227	1.04	ABV/ABV	D
	PCB 185 (BZ)	42:29	00:00	0	53302060	51164140	11679425	11281455	1.04	AVV/AVV	D
	PCB 174 (BZ)	42:40	00:00	0	56192604	53485556	12251224	11746698	1.05	AVV/AVV	M
	PCB 177 (BZ)	43:06	00:00	0	51848732	49892480	10546144	10222263	1.04	ABB/ABB	M
	PCB 181 (BZ)	43:26	00:00	0	59517100	56773184	12927016	12341904	1.05	ABV/ABV	D
	PCB 173 (BZ)	43:36	00:00	0	0	0	0	0	0.00 *	/	
	PCB 171 (BZ)	43:42	00:00	0	106307368	102991272	23547720	23063584	1.03	AVB/AVB	D
	PCB 172 (BZ)	45:16	00:00	0	50073716	48028732	10608530	10224404	1.04	ABV/ABV	D
	PCB 192 (BZ)	45:32	00:00	0	67579000	64728356	14344818	13712728	1.04	AVV/AVV	D
	PCB 180 (BZ)	45:52	00:00	0	0	0	0	0	0.00 *	/	
	PCB 193 (BZ)	45:53	00:00	0	137781680	133296080	21596054	20986618	1.03	AVV/AVV	D
	PCB 191 (BZ)	46:16	00:00	0	74125040	71029296	15583788	14964994	1.04	AVB/AVV	D
	PCB 170 (BZ)	47:15	00:00	0	47415076	45676464	10065827	9691739	1.04	ABV/ABV	M
	PCB 190 (BZ)	47:43	00:00	0	75211688	72177608	14351277	13843101	1.04	MBV/MBV	D
	PCB 189 (BZ)	50:17	00:00	0	99300904	93411576	21131674	20086286	1.06	AVV/AVV	
406					405.8428	407.8398	405.8428	407.8398	0.89-1.21		
	Noise	00:00	00:00	0	198	198	79	79	1.00	/	
	13C12-PCB 188	37:46	00:00	0	3560677	3345770	753290	713080	1.06	ABV/ABV	D
	13C12-PCB 180	45:54	00:00	0	2854455	2685860	585536	553182	1.06	ABV/ABV	
	13C12-PCB 170	47:13	00:00	0	2184725	2025227	427854	409947	1.08	AVV/ABV	
	13C12-PCB 189	50:16	00:00	0	3993354	3834439	799957	775106	1.04	ABV/AVV	D
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	Noise	00:00	00:00	0	1180	993	472	397	1.19 *	/	
	PCB 202 (BZ)	43:08	00:00	0	53157044	59394516	11807575	13348656	0.89	ABV/ABV	
	PCB 200 (BZ)/201 (IUPAC	44:02	00:00	0	57028052	64390332	12307730	14061263	0.89	ABV/ABV	
	PCB 204 (BZ)	44:42	00:00	0	54909864	61685768	12229425	13647944	0.89	ABV/ABV	
	PCB 197 (BZ)	44:55	00:00	0	55482436	62927156	11882506	13575606	0.88	AVV/AVV	
	PCB 199 (BZ)/200 (IUPAC	45:07	00:00	0	54576792	62008956	11520332	13235910	0.88	AVB/AVB	O
	PCB 201 (BZ)/199 (IUPAC	47:50	00:00	0	0	0	0	0	0.00 *	/	
	PCB 198 (BZ)	47:51	00:00	0	82090440	92212184	10352450	11762279	0.89	ABV/ABV	D
	PCB 196 (BZ)	48:30	00:00	0	37715116	42344184	7939904	8964089	0.89	AVV/AVV	D
	PCB 203 (BZ)	48:41	00:00	0	42458708	47664132	8912870	9951888	0.89	AVV/AVV	D
	PCB 195 (BZ)	50:05	00:00	0	49556564	56352268	10393064	11821820	0.88	ABV/ABV	
	PCB 194 (BZ)	52:22	00:00	0	51393328	58387500	10697721	12274273	0.88	ABV/ABV	

Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside cemax limit O = peak outside RT window W = peak outside first/last X = peak has dup match

STL - Knoxville

IsoCalc Preliminary Peak Report

PCB's by EPA Method 1668A

IsoCalc

Workorder	2990:71CS5	Prep Batch		Lot No	
Data File	/20070313i/a070313i5.d	Prep Date		SDG No	
Analysis ID	96223	Prep Exp Date		Date Received	
Analysis Date	03/14/07 00:23	Matrix	UNKNOWN	Date Sampled	
Anal Exp Date		Initial Wt/Vol		Lims Test Code	
Instrument	M1D	Extract Vol		Method	IE3
Analyst	DCG	Diluton Factor	1.00	Code	IE3

View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	PCB 205 (BZ)	52:50	00:00	0	65662224	74868688	13836496	15731613	0.88	AVV/AVV	
440					439.8038	441.8008	439.8038	441.8008	0.76-1.02		
	Noise	00:00	00:00	0	155	208	62	83	0.75 *	/	
	13C12-PCB 202	43:07	00:00	0	2621595	2853949	562150	604451	0.92	ABV/ABV	D
	13C12-PCB 194	52:20	00:00	0	2257332	2485589	438104	484714	0.91	ABV/ABV	
	13C12-PCB 205	52:47	00:00	0	3200704	3532381	637059	699303	0.91	AVV/AVV	
462					461.7246	463.7216	461.7246	463.7216	0.65-0.89		
	Noise	00:00	00:00	0	553	730	221	292	0.76	/	
	PCB 208 (BZ)	49:45	00:00	0	53298564	69514880	10935371	14476448	0.77	ABV/ABV	
	PCB 207 (BZ)	50:40	00:00	0	56155156	73514608	11895975	15765834	0.76	AVV/AVV	
	PCB 206 (BZ)	54:32	00:00	0	38663684	50388792	8234668	10808965	0.77	ABV/ABV	
474					473.7648	475.7619	473.7648	475.7619	0.65-0.89		
	Noise	00:00	00:00	0	175	165	70	66	1.06 *	/	
	13C12-PCB 208	49:44	00:00	0	2491827	3110806	512264	631876	0.80	AVV/AVV	
	13C12-PCB 206	54:31	00:00	0	1746583	2240188	338122	444203	0.78	AVV/AVV	
496					495.6856	497.6826	495.6856	497.6826	0.59-0.79		
	Noise	00:00	00:00	0	355	490	142	196	0.72	/	
	PCB 209 (BZ)	56:07	00:00	0	39844312	57898836	7560655	10990257	0.69	ABV/ABV	
508					507.7258	509.7229	507.7258	509.7229	0.59-0.79		
	Noise	00:00	00:00	0	150	153	60	61	0.98 *	/	
	13C12-PCB 209	56:05	00:00	0	1911566	2662393	351211	488945	0.72	ABV/ABV	

Notes:
R = ratio is outside limits H = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside comax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

-6.0 V SCAN AUTOTUNE TUNE R = 10 209 194 968 uV

p 3.91 A -21.8 V

1.00 mA 2592 1207 2029 2689

75.3 V d s l x y

270 C s s s s s

271 C 2592 1375 1971 2621

0.70 mA -21.8 V

EI POS electric

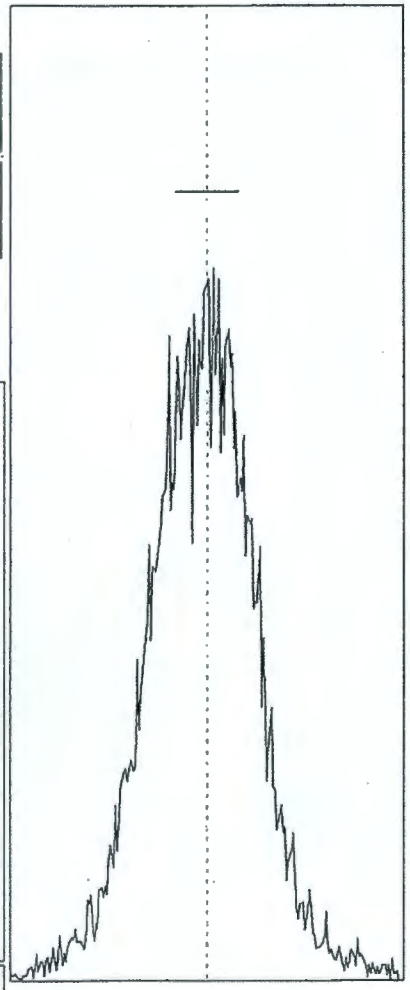
U(a) 3990 V u U(esa) 638.2 V

Entr. Slit	(ENS)	178.0	
Exit Slit	(EXS)	145.0	
Sweep Mass	(MASS)	192.989	amu
Virt. Mass	(VMASS)	230.986	amu
Link Mass	(LMASS)	192.989	amu
Sweep Width	(SW)	0.020	%
Sweep Speed	(SS)	3.0	/s
U(a) Offset	(UOFS)	5.0	V
U(a)/U(esa)	(URATIO)	2.200	%
Multiplier	(EMULT)	1.60	kV
Dyn. Volt.	(DYNODE)	pos	
Ref. Inlet	(TREF)	150	C
Beam Rot.	(BQUAD)	0.0	V
Focus Quad	(FQUAD)	0.0	V

VG off VS1 off VS2 off VS3 off VV off

TUNE DESCRIPTOR tune2 RESTORE

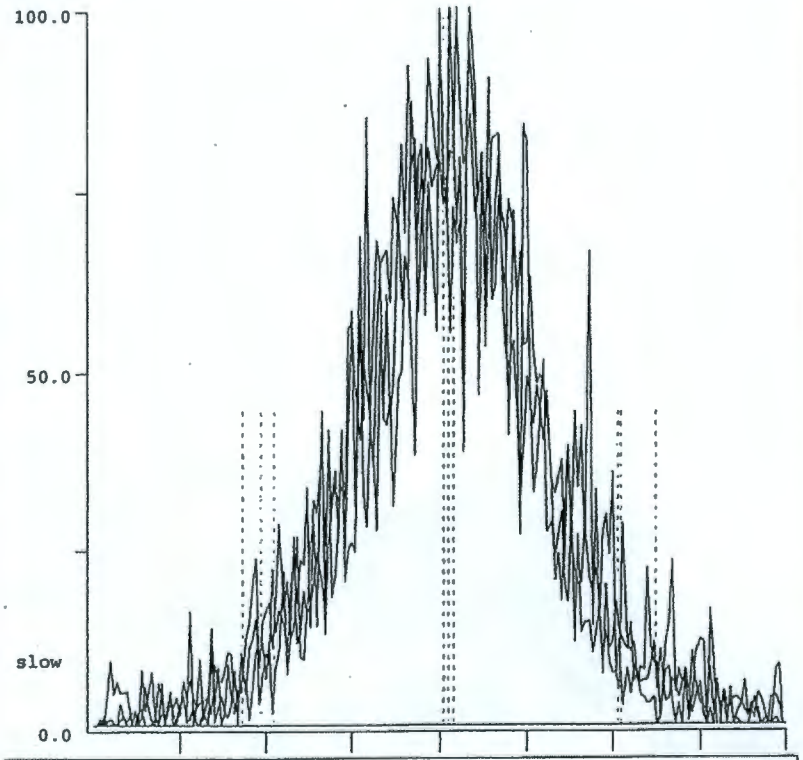
TUNE:



230.963 230.986 231.00

<> >< << >> ^ v C V LOCK UNLK

Peak Register Display Copy result to ULIST



REG 1/2: 230.985939 REG 1/3: 280.983230 REG 2/3: 280.982850

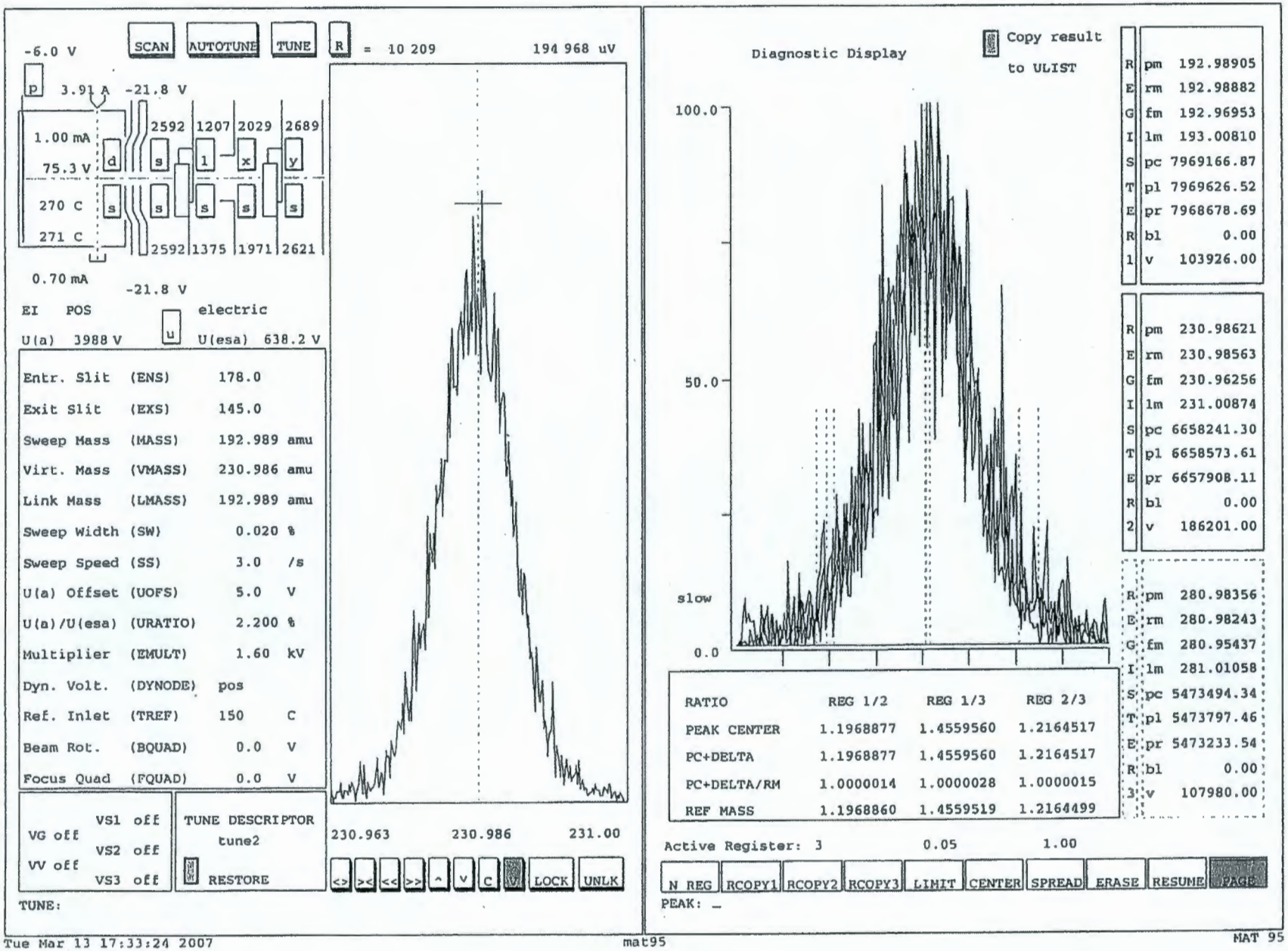
MASS :	192.98905	230.98621	280.98356
REF MASS :	192.98882	230.98563	280.98243
PEAK WIDTH [ppm]:	118.93778	99.95132	103.02833

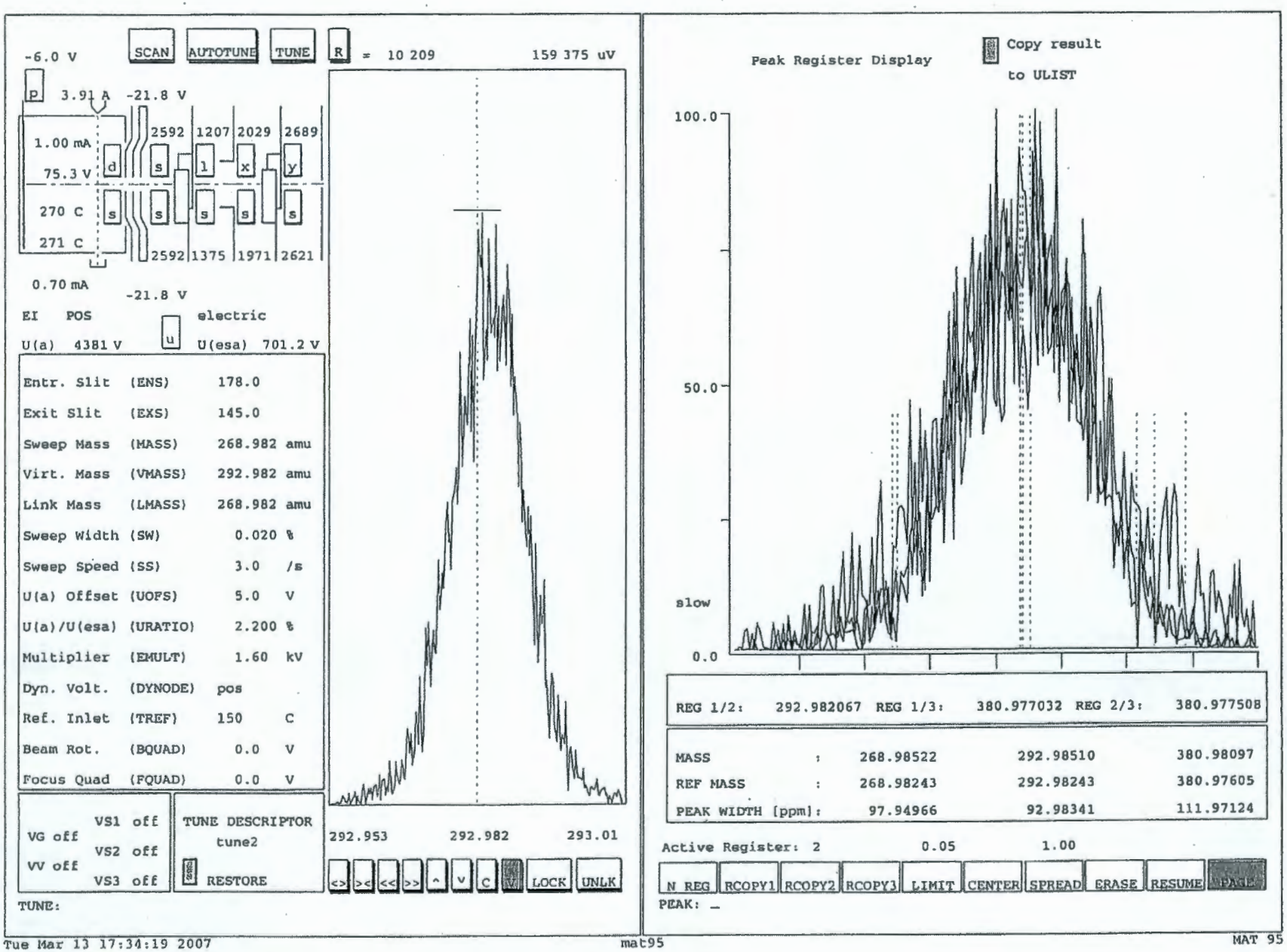
Active Register: 3 0.05 1.00

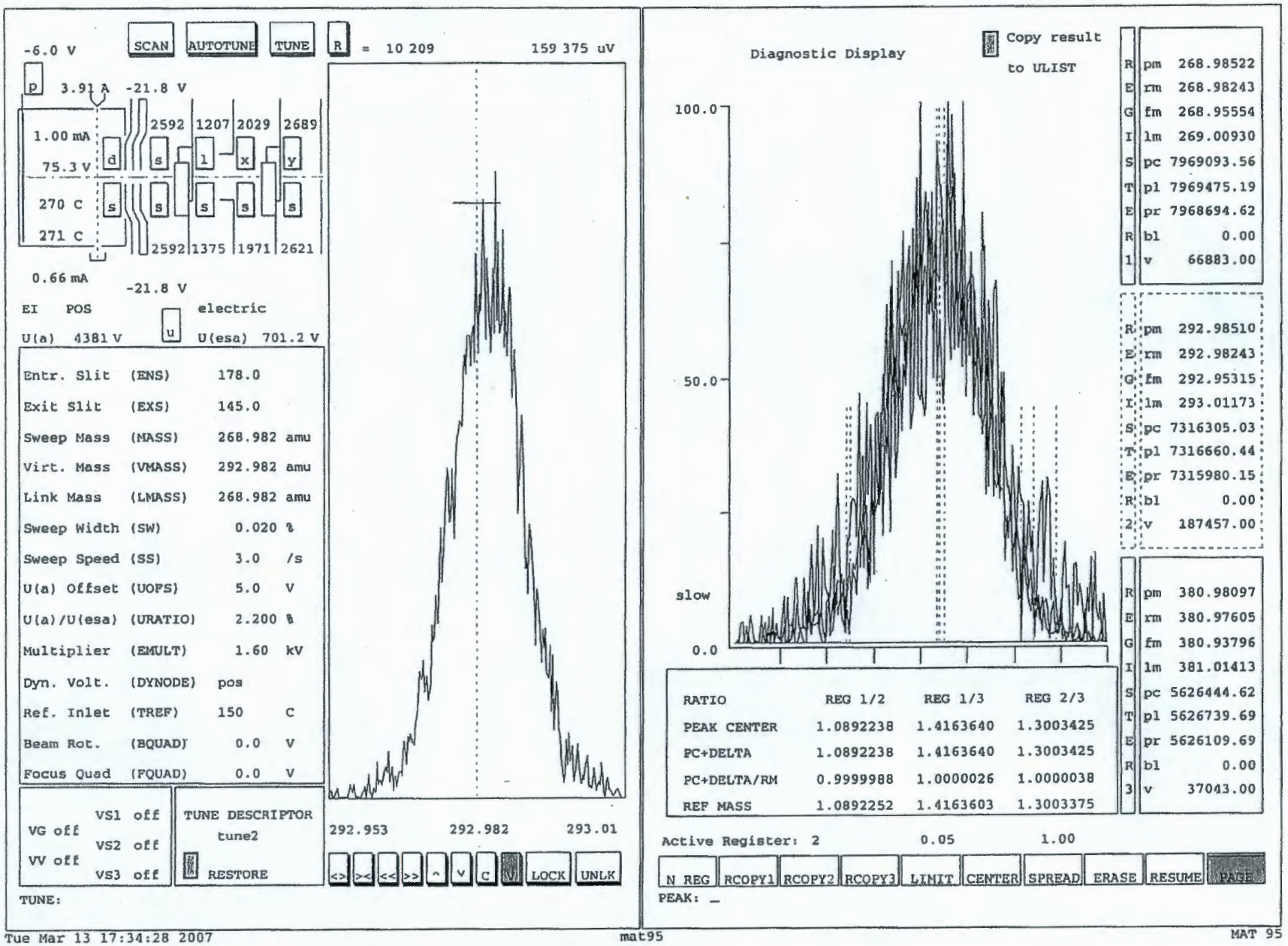
N REG RCOPY1 RCOPY2 RCOPY3 LIMIT CENTER SPREAD ERASE RESUME PAGE

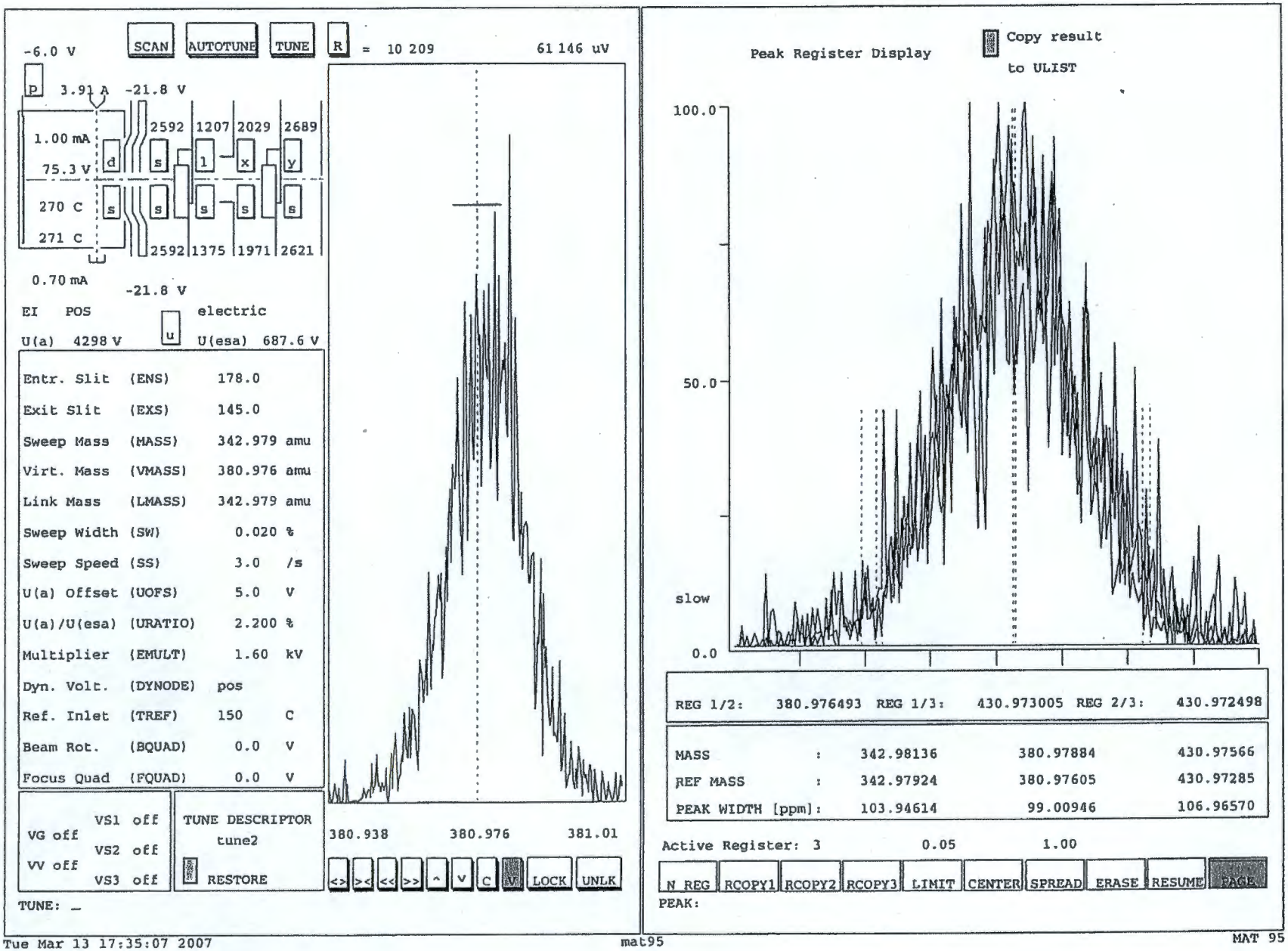
PEAK: _

Tue Mar 13 17:33:14 2007 mat95 MAT 95


-6.0 V
SCAN
AUTOTUNE
TUNE
R
= 10 209
194 968 uV
p
3.91 A
-21.8 V
1.00 mA
75.3 V
270 C
271 C
2592 1207 2029 2689
2592 1375 1971 2621
0.70 mA
-21.8 V
EI POS
electric
U(a) 3988 V
U(esa) 638.2 V
Entr. Slit (ENS) 178.0
Exit Slit (EXS) 145.0
Sweep Mass (MASS) 192.989 amu
Virt. Mass (VMASS) 230.986 amu
Link Mass (LMASS) 192.989 amu
Sweep Width (SW) 0.020 %
Sweep Speed (SS) 3.0 /s
U(a) Offset (UOFS) 5.0 V
U(a)/U(esa) (URATIO) 2.200 %
Multiplier (EMULT) 1.60 kV
Dyn. Volt. (DYNODE) pos
Ref. Inlet (TREF) 150 C
Beam Rot. (BQUAD) 0.0 V
Focus Quad (FQUAD) 0.0 V
VG off
VV off
VS1 off
VS2 off
VS3 off
TUNE DESCRIPTOR
tune2
RESTORE
230.963 230.986 231.00
LOCK
UNLK
TUNE:
Diagnostic Display
Copy result to ULIST
100.0
50.0
slow
0.0
R pm 192.98905
E rm 192.98882
G fm 192.96953
I lm 193.00810
S pc 7969166.87
T pl 7969626.52
E pr 7968678.69
R bl 0.00
1 v 103926.00
R pm 230.98621
E rm 230.98563
G fm 230.96256
I lm 231.00874
S pc 6658241.30
T pl 6658573.61
E pr 6657908.11
R bl 0.00
2 v 186201.00
R pm 280.98356
E rm 280.98243
G fm 280.95437
I lm 281.01058
S pc 5473494.34
T pl 5473797.46
E pr 5473233.54
R bl 0.00
3 v 107980.00
RATIO REG 1/2 REG 1/3 REG 2/3
PEAK CENTER 1.1968877 1.4559560 1.2164517
PC+DELTA 1.1968877 1.4559560 1.2164517
PC+DELTA/RM 1.0000014 1.0000028 1.0000015
REF MASS 1.1968860 1.4559519 1.2164499
Active Register: 3 0.05 1.00
N REG
RCOPY1
RCOPY2
RCOPY3
LIMIT
CENTER
SPREAD
ERASE
RESUME
PAGE
PEAK: _
Tue Mar 13 17:33:24 2007
mat95
MAT 95


-6.0 V
SCAN
AUTOTUNE
TUNE
R
= 10 209
159 375 uV
P
3.91 A
-21.8 V
1.00 mA
75.3 V
2592
1207
2029
2689
d
s
l
x
y
270 C
271 C
s
2592
1375
1971
2621
0.70 mA
-21.8 V
EI POS
electric
U(a) 4381 V
u
U(esa) 701.2 V
Entr. Slit (ENS) 178.0
Exit Slit (EXS) 145.0
Sweep Mass (MASS) 268.982 amu
Virt. Mass (VMASS) 292.982 amu
Link Mass (LMASS) 268.982 amu
Sweep Width (SW) 0.020 %
Sweep Speed (SS) 3.0 /s
U(a) Offset (UOFS) 5.0 V
U(a)/U(esa) (URATIO) 2.200 %
Multiplier (EMULT) 1.60 kV
Dyn. Volt. (DYNODE) pos
Ref. Inlet (TREF) 150 C
Beam Rot. (BQUAD) 0.0 V
Focus Quad (FQUAD) 0.0 V
VG off
VV off
VS1 off
VS2 off
VS3 off
TUNE DESCRIPTOR
tune2
RESTORE
292.953
292.982
293.01
<>
><
<<
>>
^
v
C
LOCK
UNLK
TUNE:
Peak Register Display
Copy result
to ULIST
100.0
50.0
slow
0.0
REG 1/2: 292.982067 REG 1/3: 380.977032 REG 2/3: 380.977508
MASS : 268.98522 292.98510 380.98097
REF MASS : 268.98243 292.98243 380.97605
PEAK WIDTH [ppm]: 97.94966 92.98341 111.97124
Active Register: 2 0.05 1.00
N REG
RCOPY1
RCOPY2
RCOPY3
LIMIT
CENTER
SPREAD
ERASE
RESUME
PAGE
PEAK: _
Tue Mar 13 17:34:19 2007
mat95
MAT 95


-6.0 V
SCAN
AUTOTUNE
TUNE
R
= 10 209
159 375 uV
p
3.91 A
-21.8 V
1.00 mA
75.3 V
2592
1207
2029
2689
d
s
l
x
y
270 C
271 C
2592
1375
1971
2621
0.66 mA
-21.8 V
EI POS
electric
U(a) 4381 V
u
U(esa) 701.2 V
Entr. Slit (ENS) 178.0
Exit Slit (EXS) 145.0
Sweep Mass (MASS) 268.982 amu
Virt. Mass (VMASS) 292.982 amu
Link Mass (LMASS) 268.982 amu
Sweep Width (SW) 0.020 %
Sweep Speed (SS) 3.0 /s
U(a) Offset (UOFS) 5.0 V
U(a)/U(esa) (URATIO) 2.200 %
Multiplier (EMULT) 1.60 kV
Dyn. Volt. (DYNODE) pos
Ref. Inlet (TREF) 150 C
Beam Rot. (BQUAD) 0.0 V
Focus Quad (FQUAD) 0.0 V
VG off
VV off
VS1 off
VS2 off
VS3 off
TUNE DESCRIPTOR
tune2
RESTORE
TUNE:
292.953
292.982
293.01
<>
><
<<
>>
^
v
C
LOCK
UNLK
Diagnostic Display
Copy result
to ULIST
100.0
50.0
slow
0.0
RATIO REG 1/2 REG 1/3 REG 2/3
PEAK CENTER 1.0892238 1.4163640 1.3003425
PC+DELTA 1.0892238 1.4163640 1.3003425
PC+DELTA/RM 0.9999988 1.0000026 1.0000038
REF MASS 1.0892252 1.4163603 1.3003375
REGISTER 1
pm 268.98522
rm 268.98243
fm 268.95554
lm 269.00930
pc 7969093.56
pl 7969475.19
pr 7968694.62
bl 0.00
v 66883.00
REGISTER 2
pm 292.98510
rm 292.98243
fm 292.95315
lm 293.01173
pc 7316305.03
pl 7316660.44
pr 7315980.15
bl 0.00
v 187457.00
REGISTER 3
pm 380.98097
rm 380.97605
fm 380.93796
lm 381.01413
pc 5626444.62
pl 5626739.69
pr 5626109.69
bl 0.00
v 37043.00
Active Register: 2
0.05
1.00
N REG
RCOPY1
RCOPY2
RCOPY3
LIMIT
CENTER
SPREAD
ERASE
RESUME
PAGE
PEAK: _
Tue Mar 13 17:34:28 2007
mat95
MAT 95



Tue Mar 13 17:35:07 2007 mat95 MAT 95

-6.0 V | SCAN | AUTOTUNE | TUNE | R = 10 209 | 61 146 uV

p 3.91 A -21.8 V

1.00 mA 75.3 V | d | s 2592 | l 1207 | x 2029 | y 2689

270 C | s | s 2592 | s 1375 | s 1971 | s 2621

271 C

0.74 mA -21.8 V

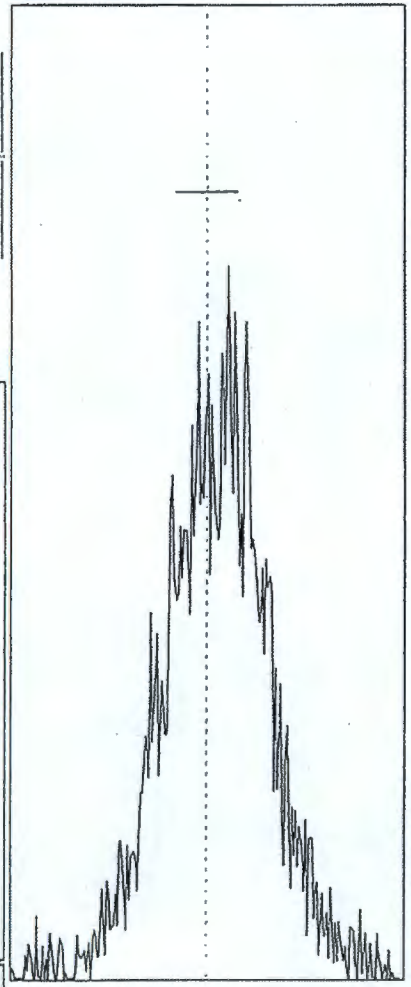
EI POS | u | electric

U(a) 4298 V | U(esa) 687.6 V

Entr. Slit	(ENS)	178.0	
Exit Slit	(EXS)	145.0	
Sweep Mass	(MASS)	342.979	amu
Virt. Mass	(VMASS)	380.976	amu
Link Mass	(LMASS)	342.979	amu
Sweep Width	(SW)	0.020	%
Sweep Speed	(SS)	3.0	/s
U(a) Offset	(UOFS)	5.0	V
U(a)/U(esa)	(URATIO)	2.200	%
Multiplier	(EMULT)	1.60	kV
Dyn. Volt.	(DYNODE)	pos	
Ref. Inlet	(TREF)	150	C
Beam Rot.	(BQUAD)	0.0	V
Focus Quad	(FQUAD)	0.0	V

VG off | VS1 off | VS2 off | VS3 off | VV off

TUNE DESCRIPTOR tune2 | RESTORE

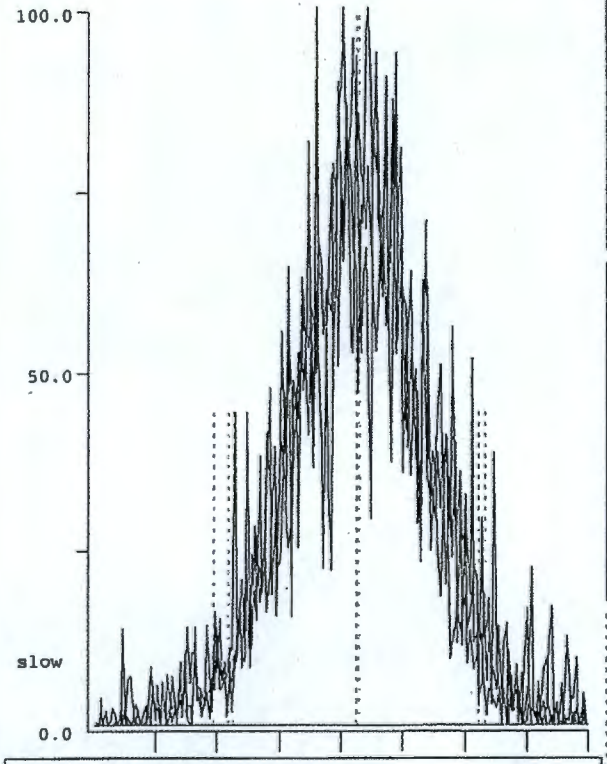


380.938 380.976 381.01

<> >< << >> ^ v C V LOCK UNLK

TUNE:

Diagnostic Display | Copy result to ULIST



REGISTER 1	
pm	342.98136
rm	342.97924
fm	342.94494
lm	343.01350
pc	7969126.92
pl	7969538.91
pr	7968710.55
bl	0.00
v	85592.00

REGISTER 2	
pm	380.97884
rm	380.97605
fm	380.93792
lm	381.01412
pc	7174314.26
pl	7174679.61
pr	7173969.29
bl	0.00
v	60833.00

REGISTER 3	
pm	430.97566
rm	430.97285
fm	430.92974
lm	431.01591
pc	6342033.15
pl	6342401.51
pr	6341723.13
bl	0.00
v	30056.00

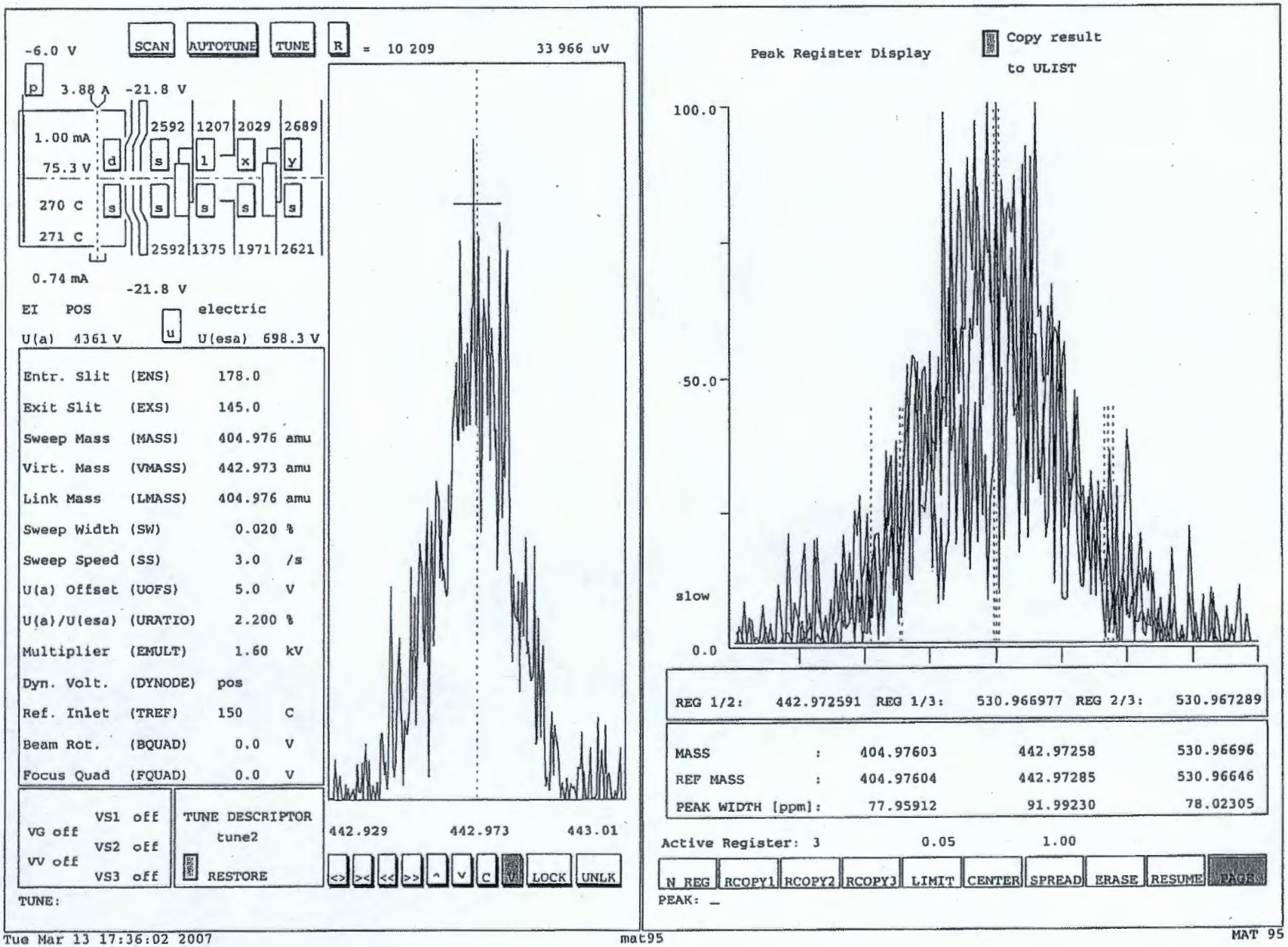
RATIO	REG 1/2	REG 1/3	REG 2/3
PEAK CENTER	1.1107859	1.2565571	1.1312325
PC+DELTA	1.1107859	1.2565571	1.1312325
PC+DELTA/RM	1.0000012	1.0000004	0.9999992
REF MASS	1.1107846	1.2565567	1.1312335

Active Register: 3 0.05 1.00

N REG | RCOPY1 | RCOPY2 | RCOPY3 | LIMIT | CENTER | SPREAD | ERASE | RESUME | PAGE

PEAK: _

Tue Mar 13 17:35:17 2007 mat95 MAT 95


-6.0 V
SCAN
AUTOTUNE
TUNE
R
= 10 209
33 966 uV
p
3.88 A
-21.8 V
1.00 mA
75.3 V
270 C
271 C
2592 1207 2029 2689
2592 1375 1971 2621
0.74 mA
-21.8 V
EI POS
electric
U(a) 4361 V
u
U(esa) 698.3 V
Entr. Slit (ENS) 178.0
Exit Slit (EXS) 145.0
Sweep Mass (MASS) 404.976 amu
Virt. Mass (VMASS) 442.973 amu
Link Mass (LMASS) 404.976 amu
Sweep Width (SW) 0.020 %
Sweep Speed (SS) 3.0 /s
U(a) Offset (UOFS) 5.0 V
U(a)/U(esa) (URATIO) 2.200 %
Multiplier (EMULT) 1.60 kV
Dyn. Volt. (DYNODE) pos
Ref. Inlet (TREF) 150 C
Beam Rot. (BQUAD) 0.0 V
Focus Quad (FQUAD) 0.0 V
VG off
VV off
VS1 off
VS2 off
VS3 off
TUNE DESCRIPTOR
tune2
RESTORE
442.929
442.973
443.01
LOCK
UNLK
TUNE:
Peak Register Display
Copy result
to ULIST
100.0
50.0
slow
0.0
REG 1/2: 442.972591 REG 1/3: 530.966977 REG 2/3: 530.967289
MASS : 404.97603 442.97258 530.96696
REF MASS : 404.97604 442.97285 530.96646
PEAK WIDTH [ppm]: 77.95912 91.99230 78.02305
Active Register: 3 0.05 1.00
N REG
RCOPY1
RCOPY2
RCOPY3
LIMIT
CENTER
SPREAD
ERASE
RESUME
PAGE
PEAK: _
Tue Mar 13 17:36:02 2007
mat95
MAT 95

-6.0 V SCAN AUTOTUNE TUNE R = 10 209 33 966 uV

p 3.88 A -21.8 V

1.00 mA 2592 1207 2029 2689

75.3 V d s l x y

270 C s s s s s

271 C 2592 1375 1971 2621

0.74 mA -21.8 V

EI POS electric

U(a) 4364 V u U(esa) 698.3 V

Entr. Slit	(ENS)	178.0	
Exit Slit	(EXS)	145.0	
Sweep Mass	(MASS)	404.976	amu
Virt. Mass	(VMASS)	442.973	amu
Link Mass	(LMASS)	404.976	amu
Sweep Width	(SW)	0.020	%
Sweep Speed	(SS)	3.0	/s
U(a) Offset	(UOFS)	5.0	V
U(a)/U(esa)	(URATIO)	2.200	%
Multiplier	(EMULT)	1.60	kV
Dyn. Volt.	(DYNODE)	pos	
Ref. Inlet	(TREF)	150	C
Beam Rot.	(BQUAD)	0.0	V
Focus Quad	(FQUAD)	0.0	V

VG off VS1 off VS2 off VV off VS3 off

TUNE DESCRIPTOR tune2 RESTORE

442.929 442.973 443.01

<> >< << >> ^ v C V LOCK UNLK

TUNE:

Diagnostic Display Copy result to ULIST

100.0

50.0

slow

0.0

RATIO	REG 1/2	REG 1/3	REG 2/3
PEAK CENTER	1.0938242	1.3111071	1.1986452
PC+DELTA	1.0938242	1.3111071	1.1986452
PC+DELTA/RM	0.9999994	1.0000010	1.0000016
REF MASS	1.0938248	1.3111059	1.1986434

REGISTER 1	
pm	404.97603
rm	404.97604
fm	404.93555
lm	405.01651
pc	7969176.32
pl	7969459.26
pr	7968837.99
bl	0.00
v	37131.00

REGISTER 2	
pm	442.97258
rm	442.97285
fm	442.92856
lm	443.01715
pc	7285609.94
pl	7285951.54
pr	7285281.32
bl	0.00
v	36850.00

REGISTER 3	
pm	530.96696
rm	530.96646
fm	530.91332
lm	531.01954
pc	6078203.82
pl	6078431.92
pr	6077957.68
bl	0.00
v	14439.00

Active Register: 3 0.05 1.00

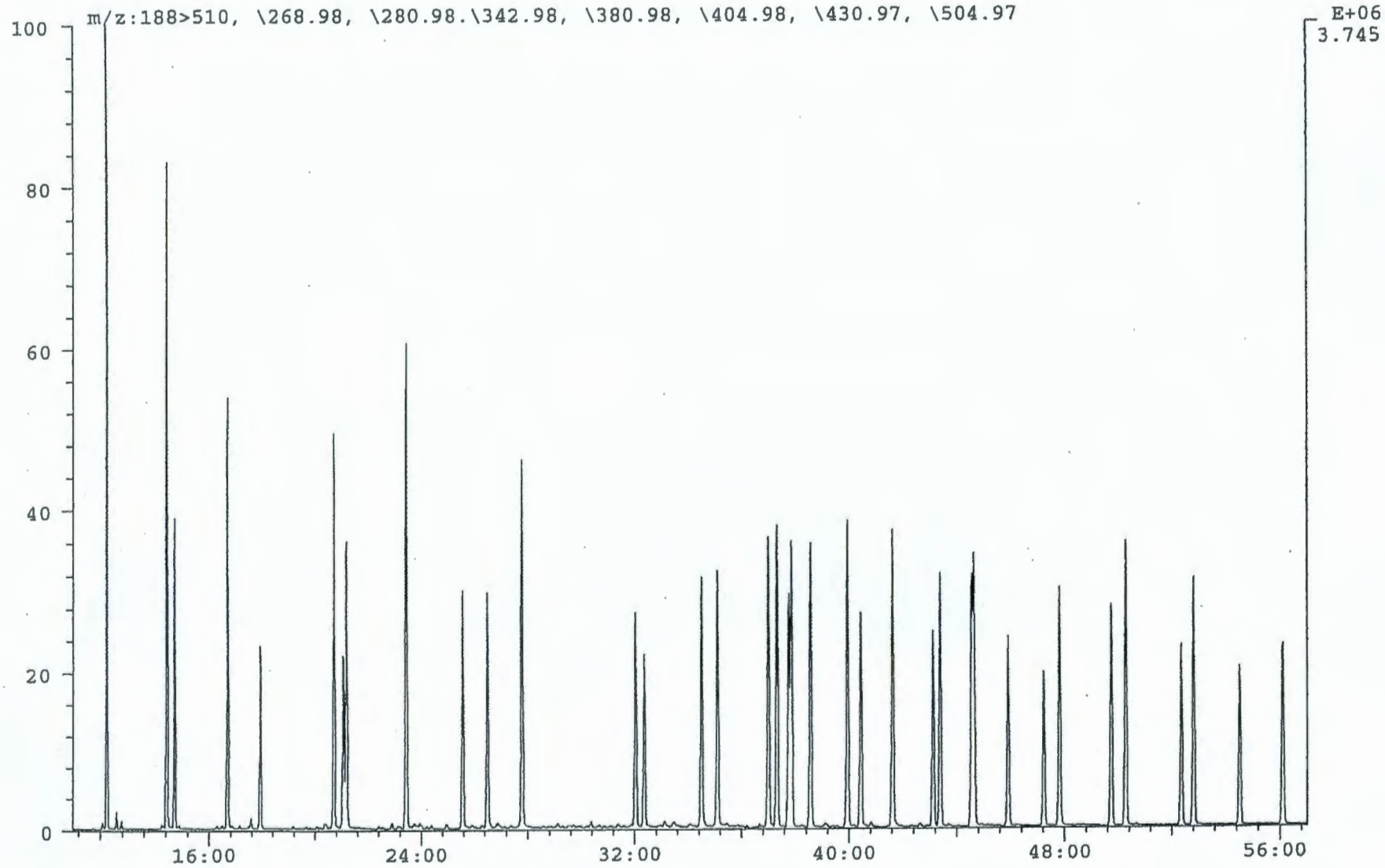
N REG RCOPY1 RCOPY2 RCOPY3 LIMIT CENTER SPREAD ERASE RESUME PAGE

PEAK: _

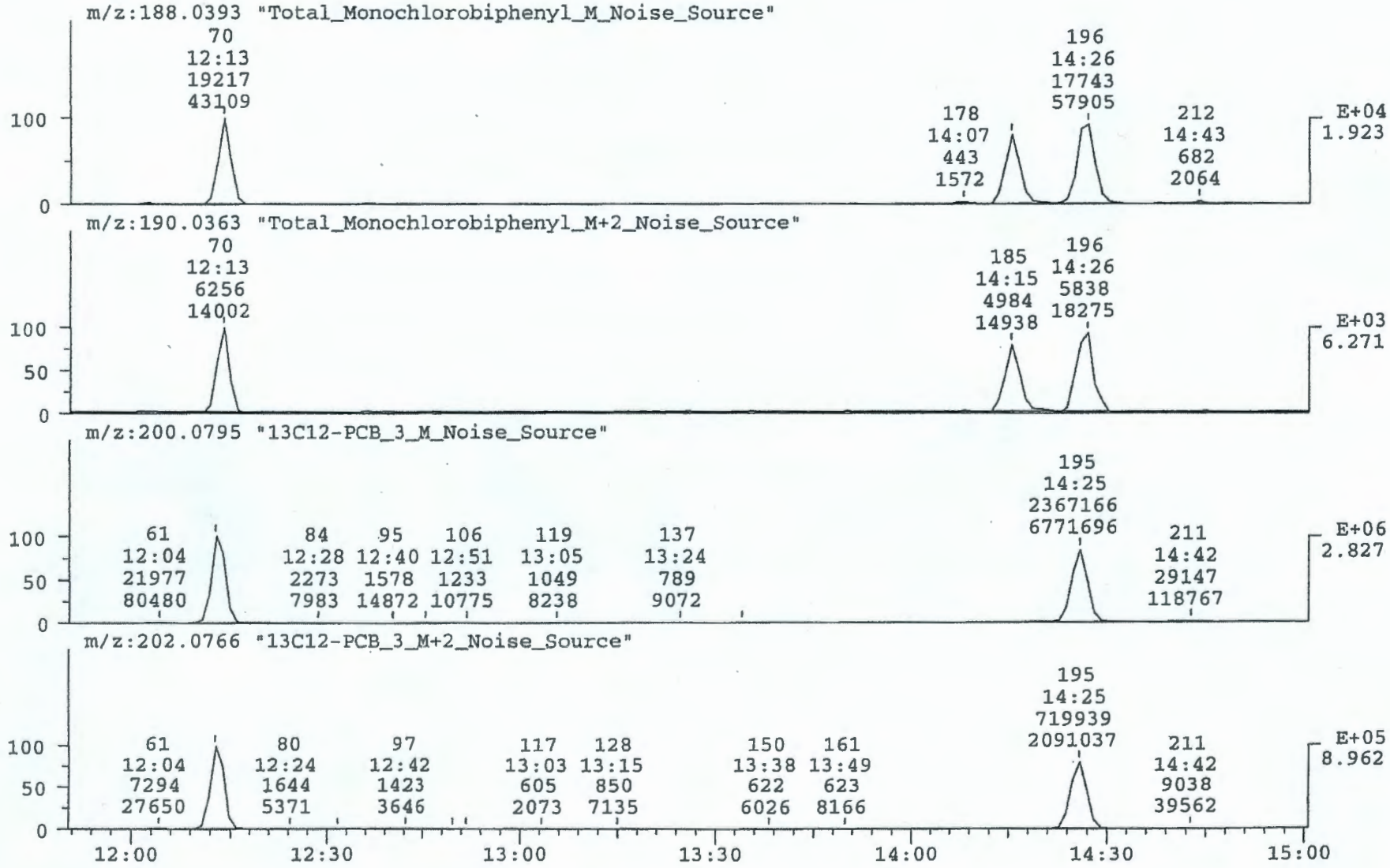
Tue Mar 13 17:36:11 2007 mat95 MAT 95

CHRO: a07031316 13-Mar-07 Elapse: 56:13 2555
Samp: Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1 Start : 17:42:37 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL CS0.5
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 2 > 2600 Masses: 181 > 510
Area: 5, 0.50, 0 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area

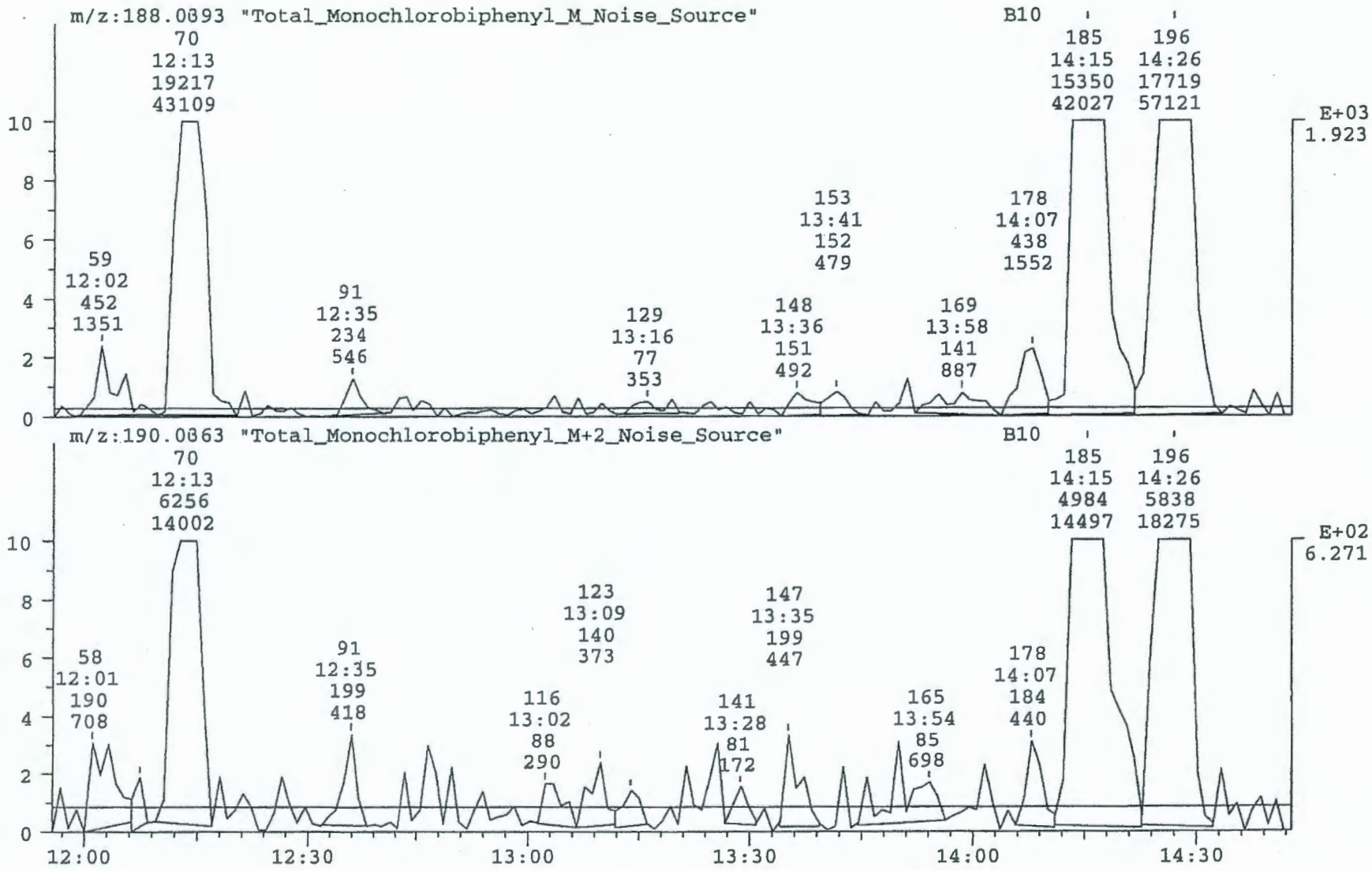
Int DCG 3-14-07
Calc BPW 3/15/07
QC DCS 3/15/07



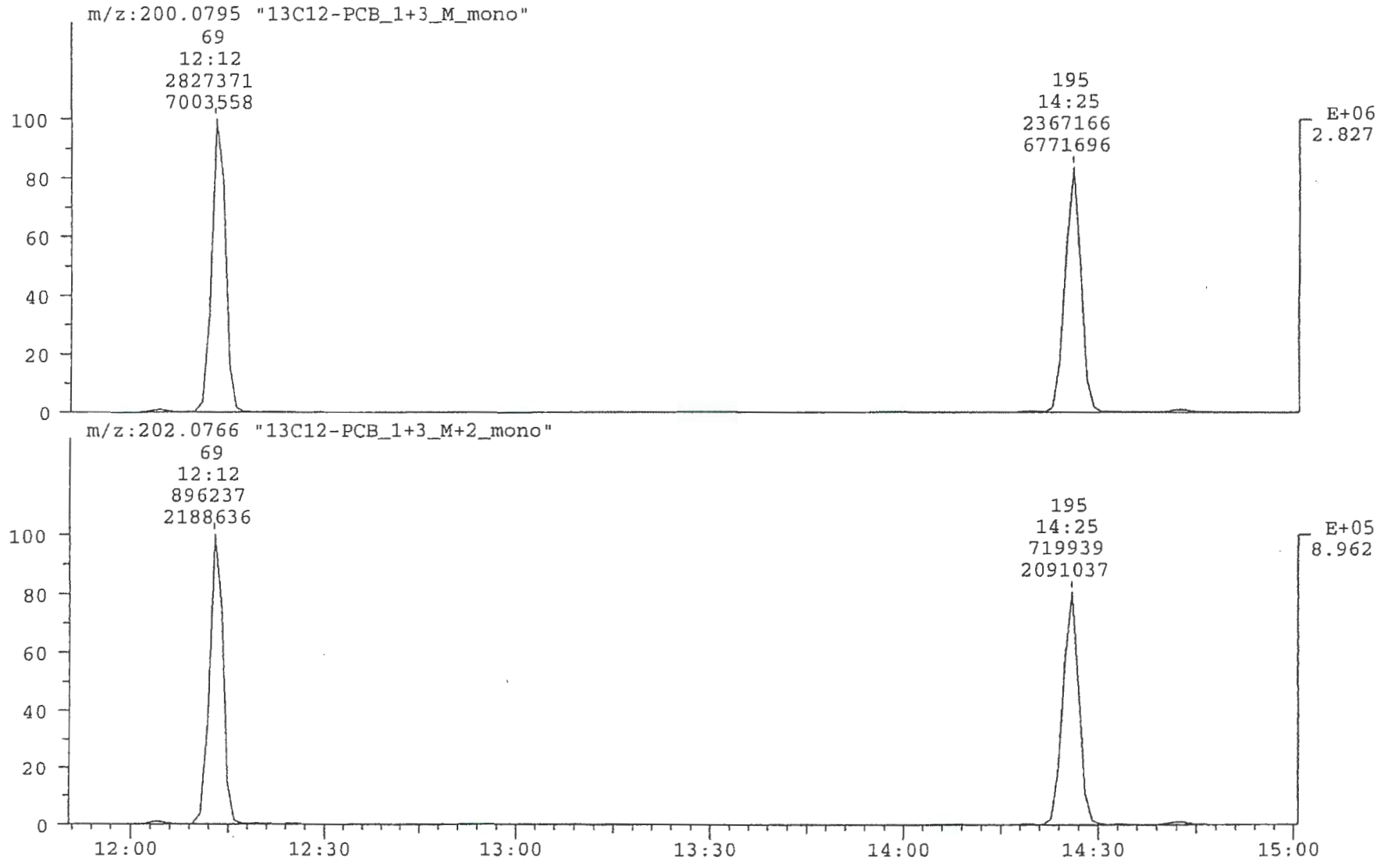
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  13:25.5     138
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   48 > 228              Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



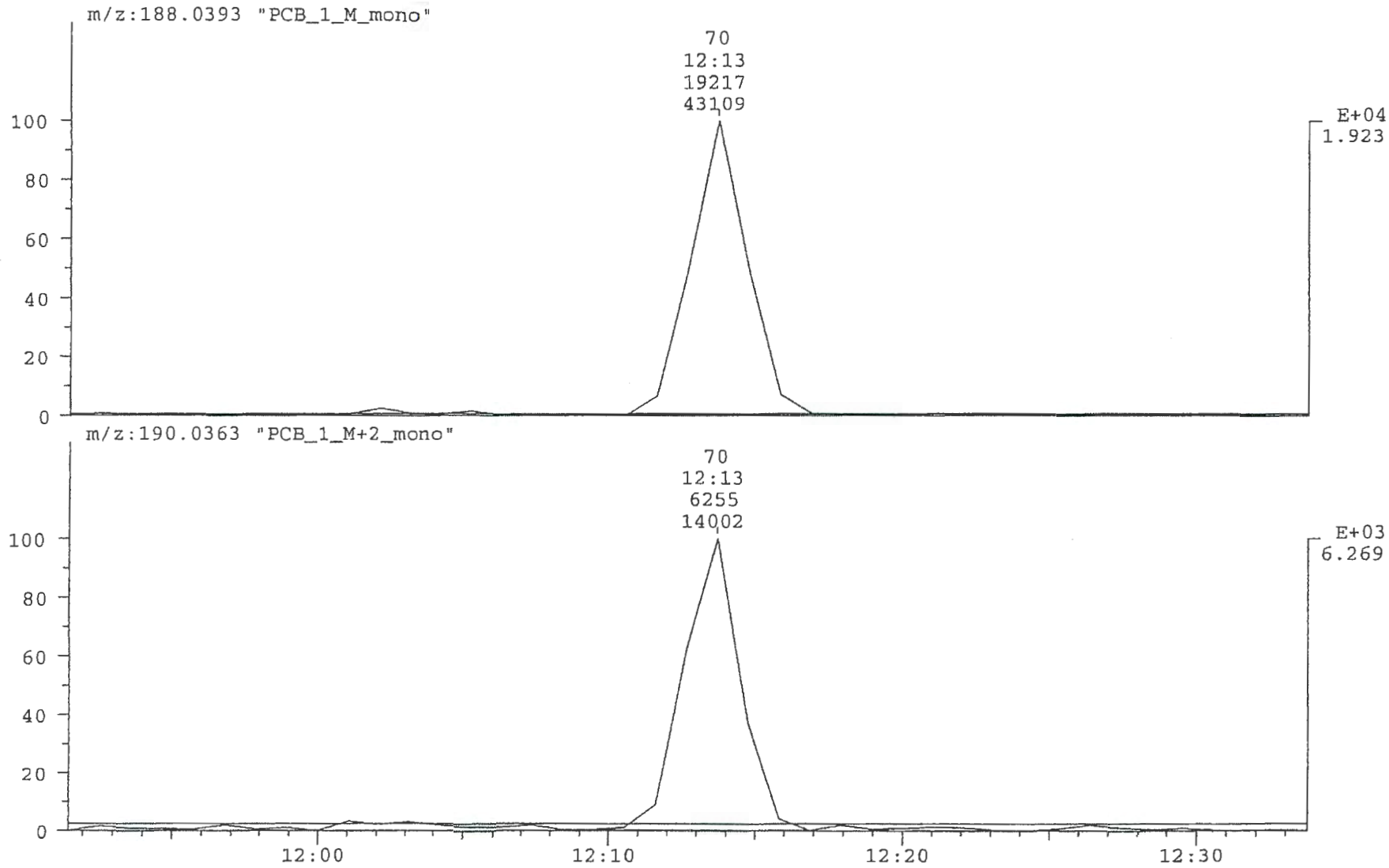
```
CHRO:  a07031316                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   53 > 211             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 1.0
Disp:  Height  Area
```



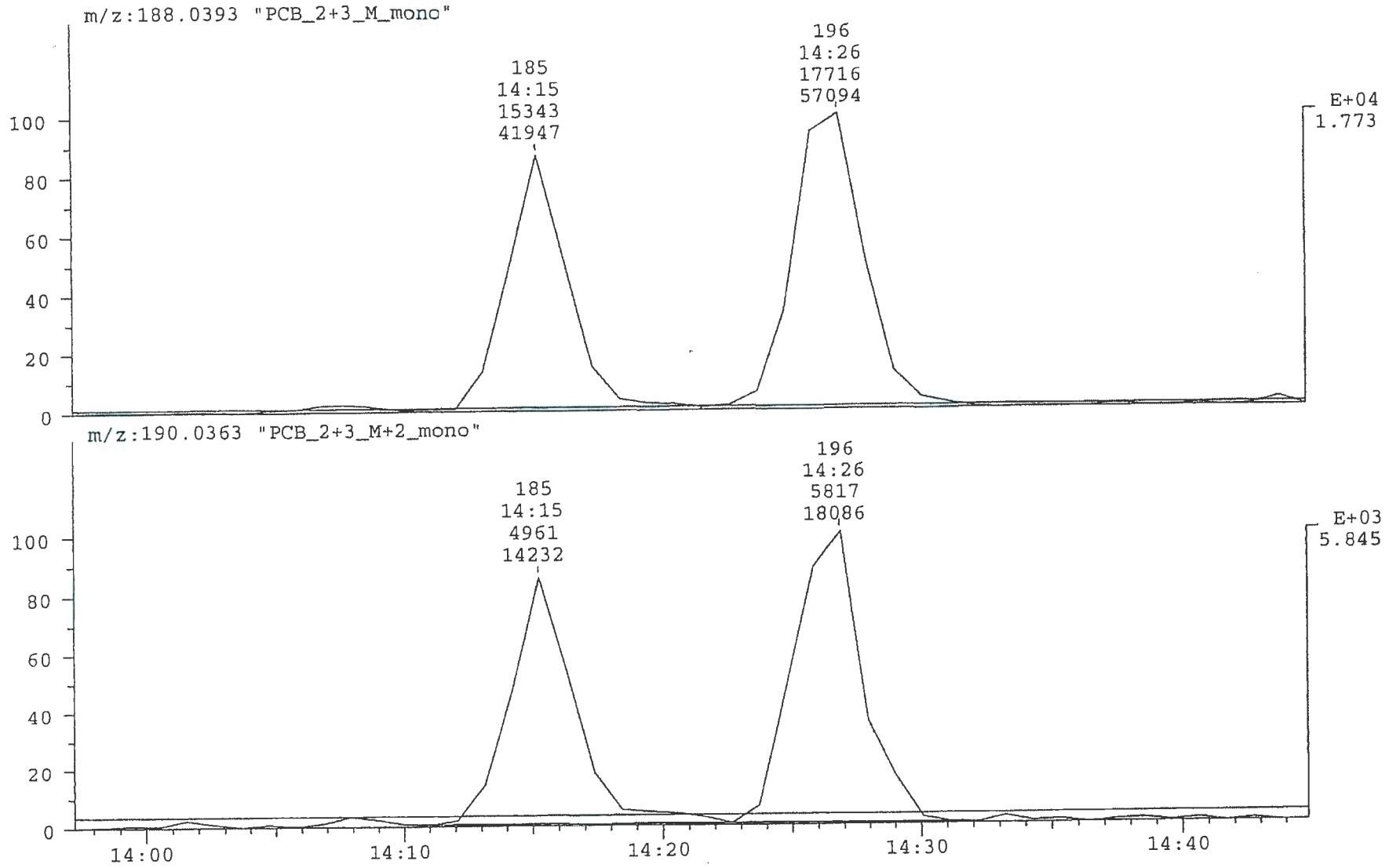
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  13:25.5      138
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   48 > 228             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



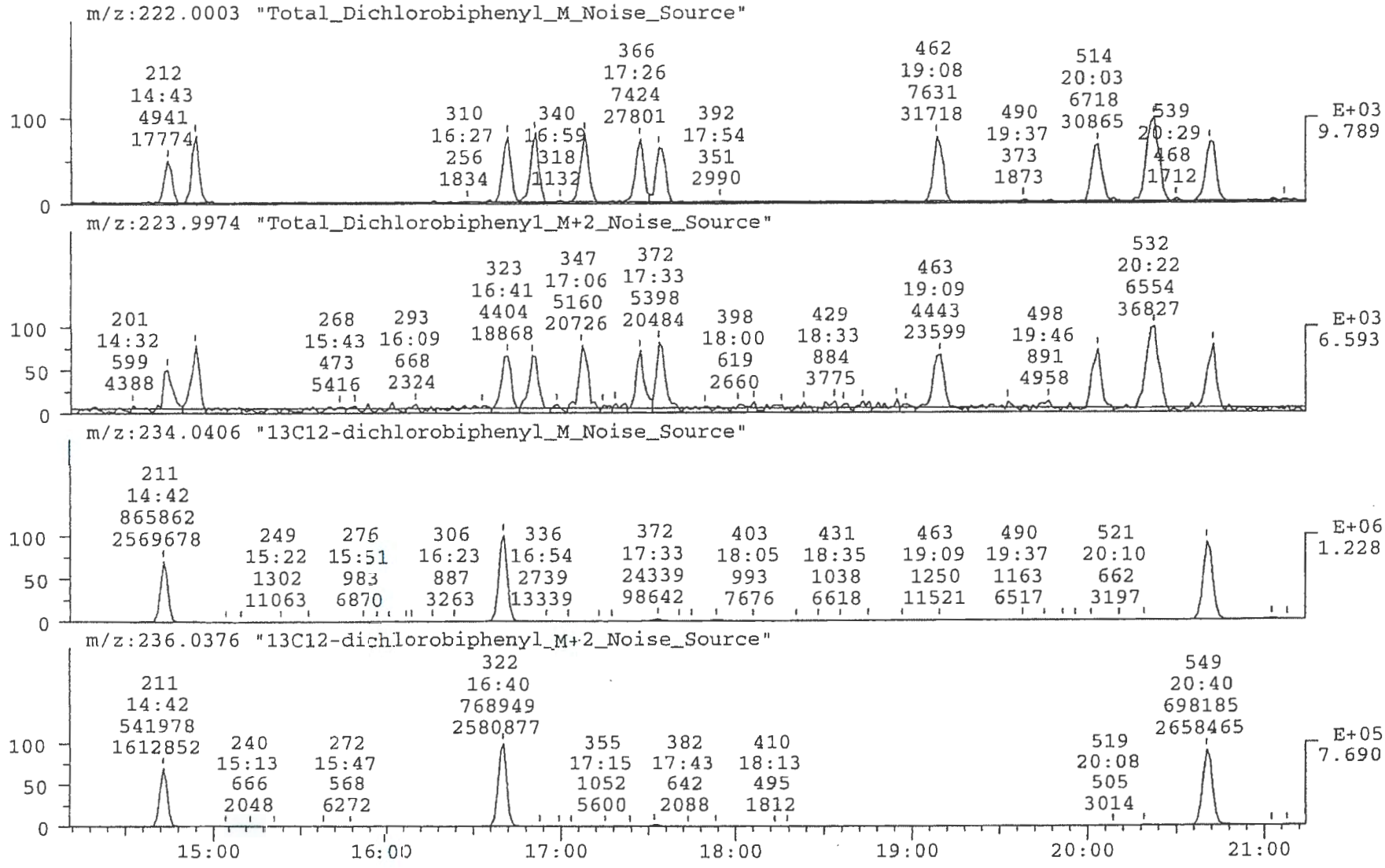
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  12:12.6      69
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   49 > 89              Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



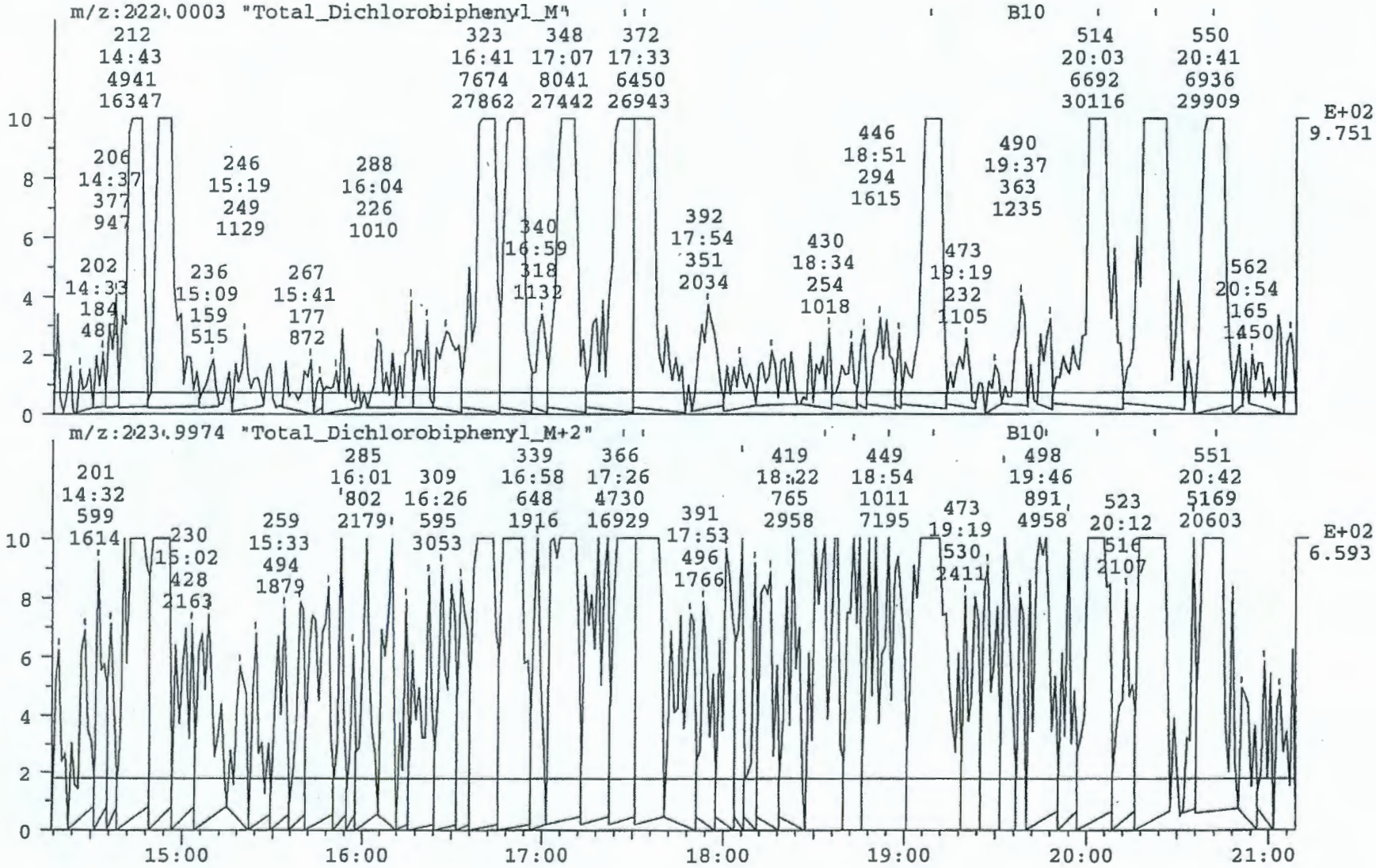
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  14:23.7      193
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   168 > 213             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



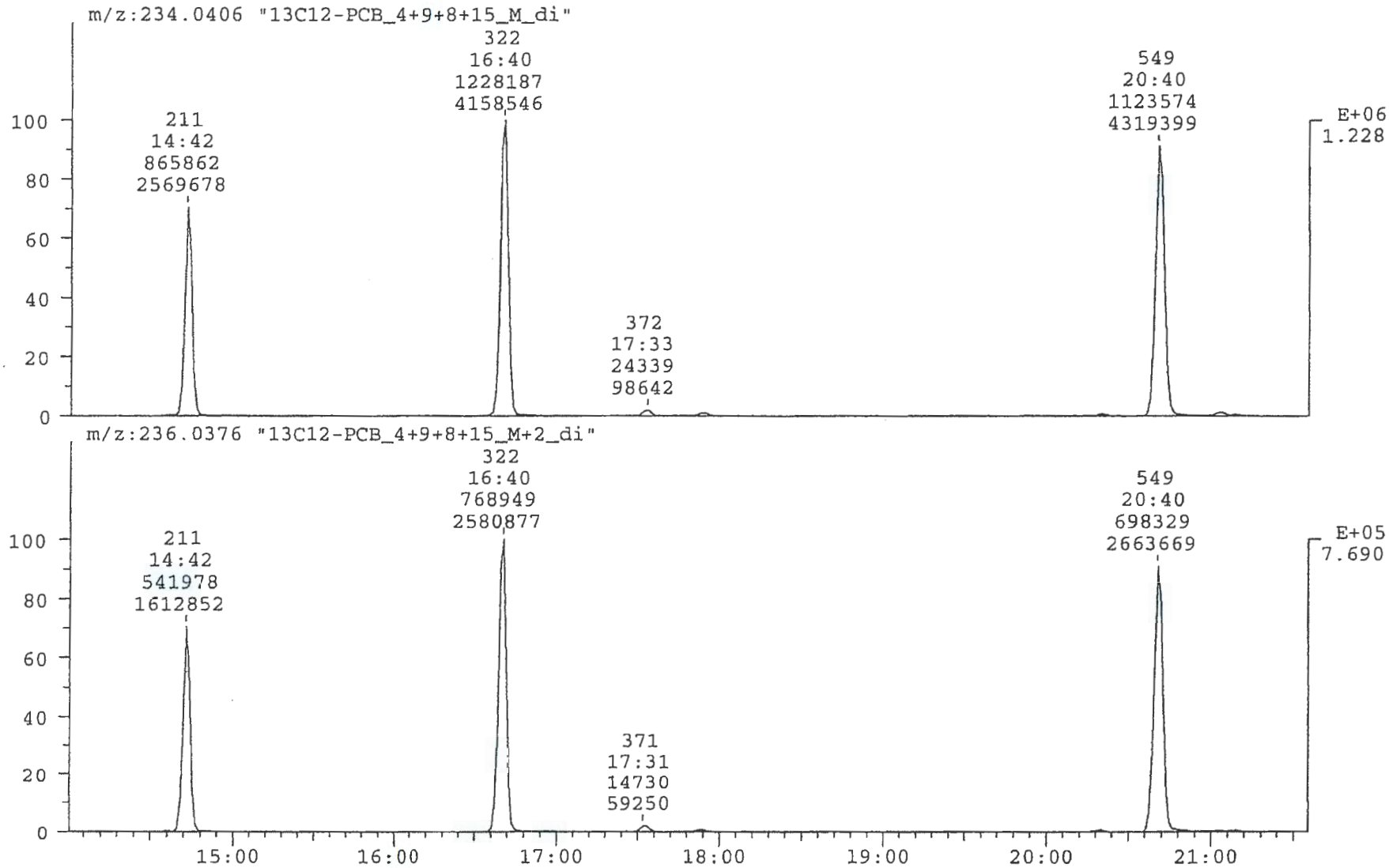
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  17:42.5      381
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   181 > 581             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



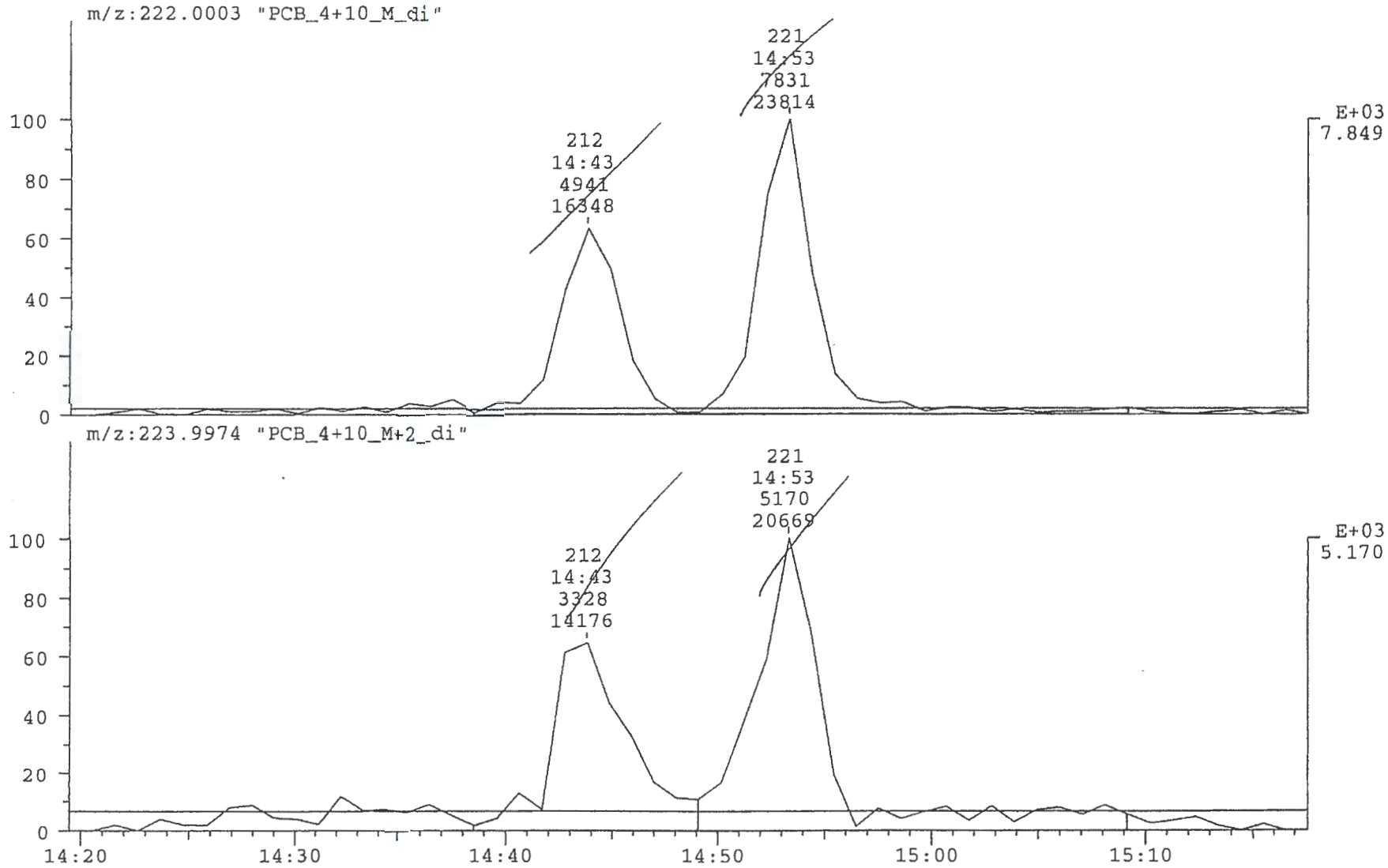
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   187 > 576             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 1.0
Disp:  Height  Area
```



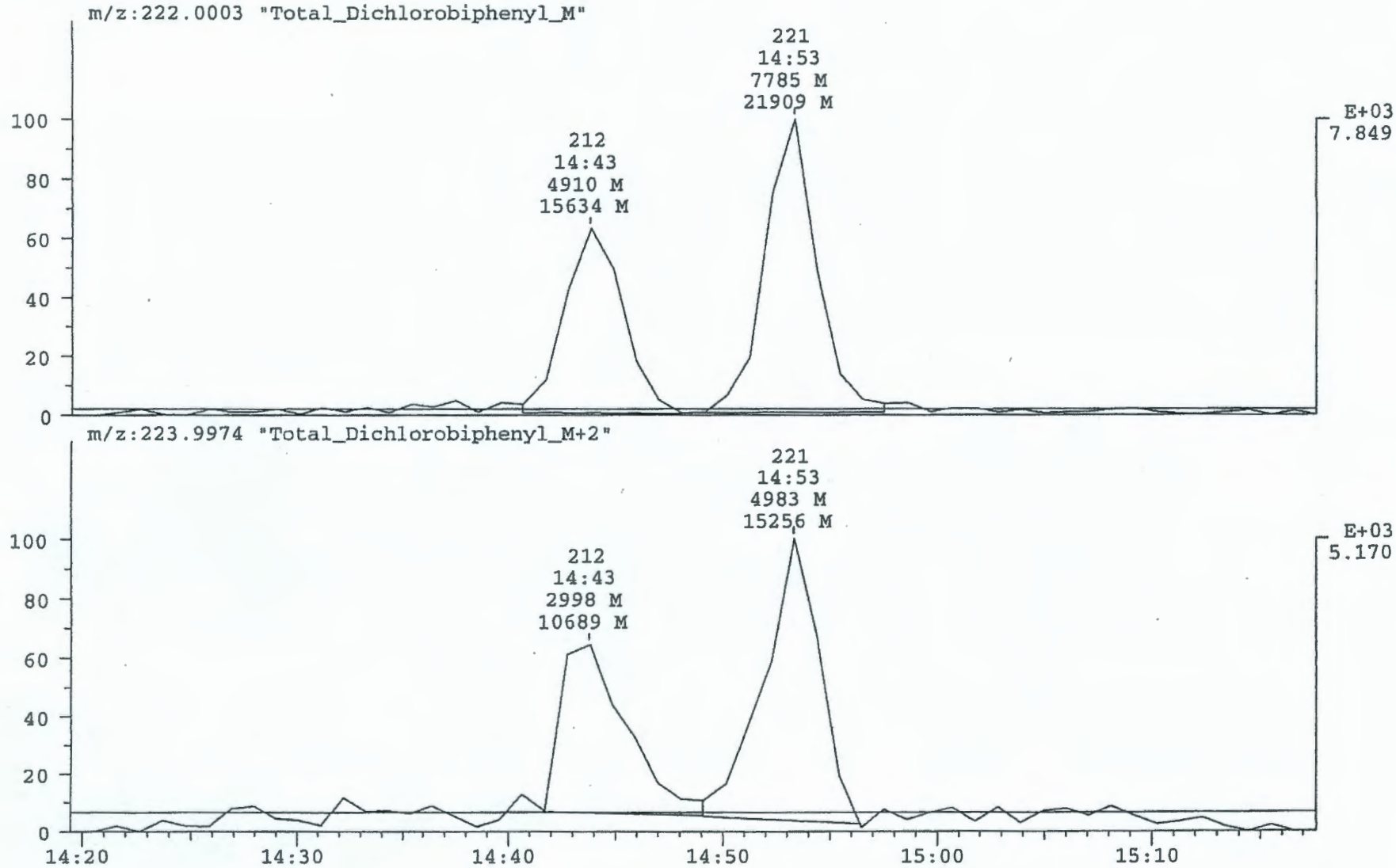
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  17:42.5      381
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   171 > 601            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



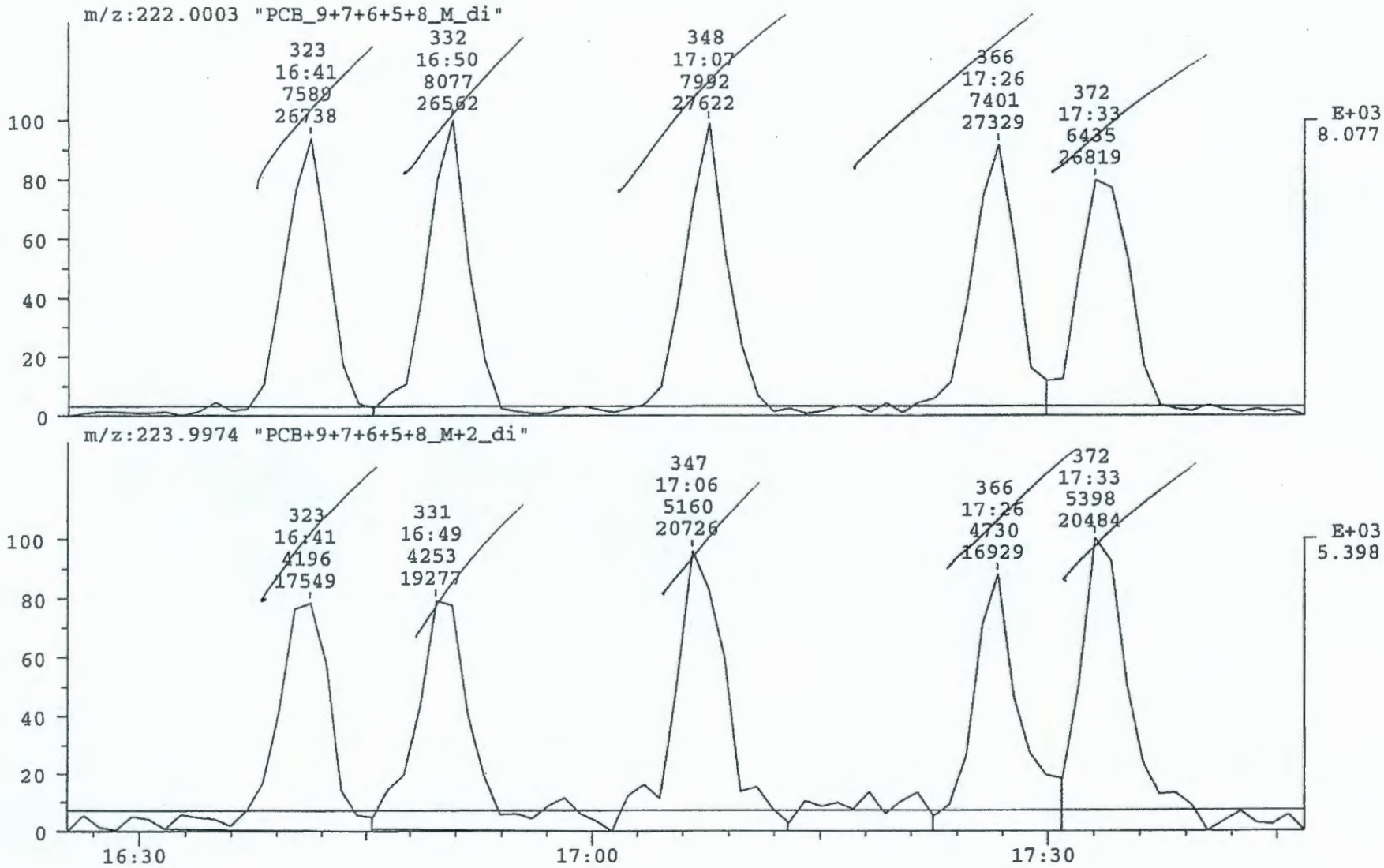
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  14:51.2      219
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   189 > 244            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



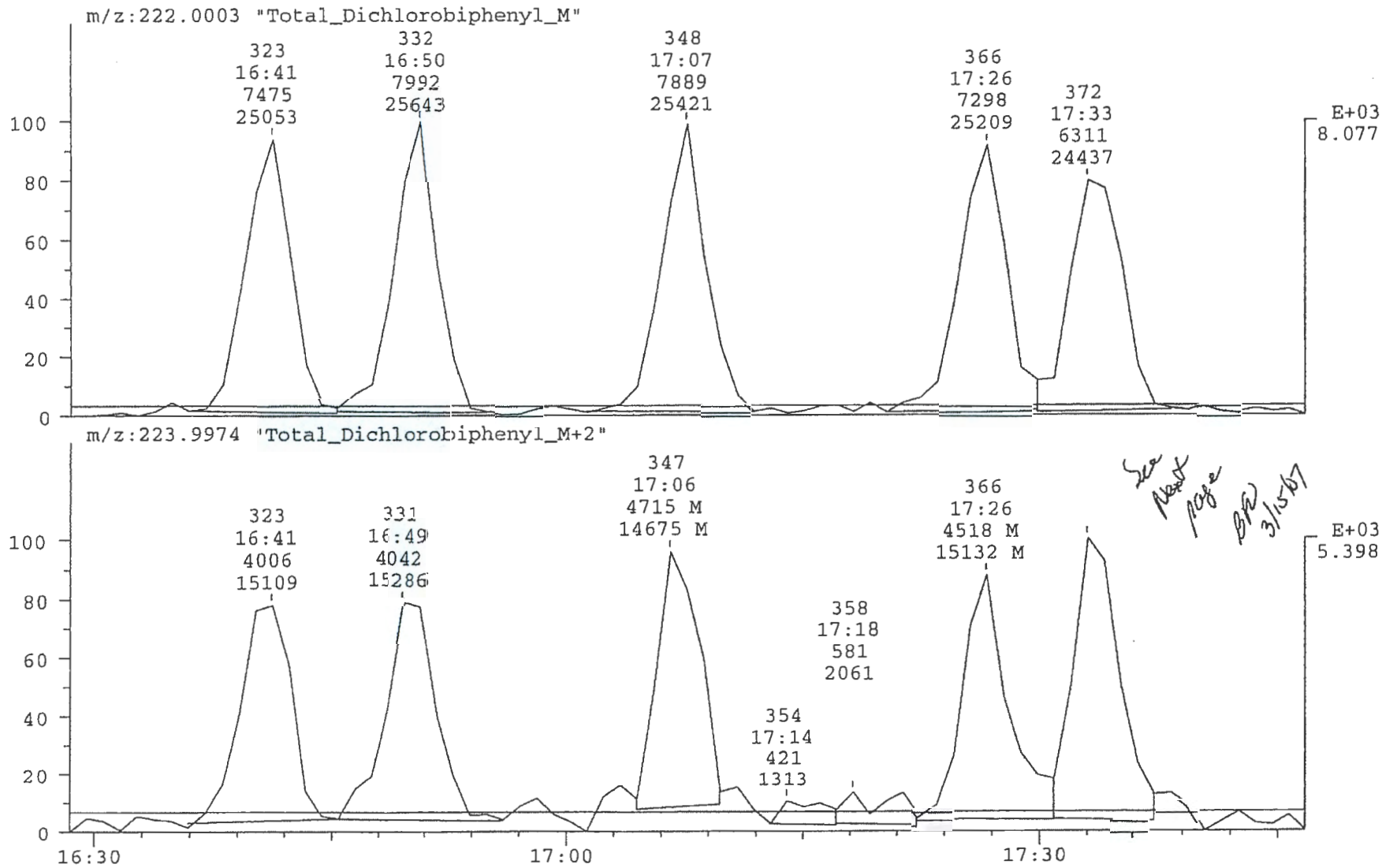
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   189 > 244             Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



```
CHRO:  a070313i6                                13-Mar-07  Elapse:  17:09.7      350
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37    2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   308 > 385            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```

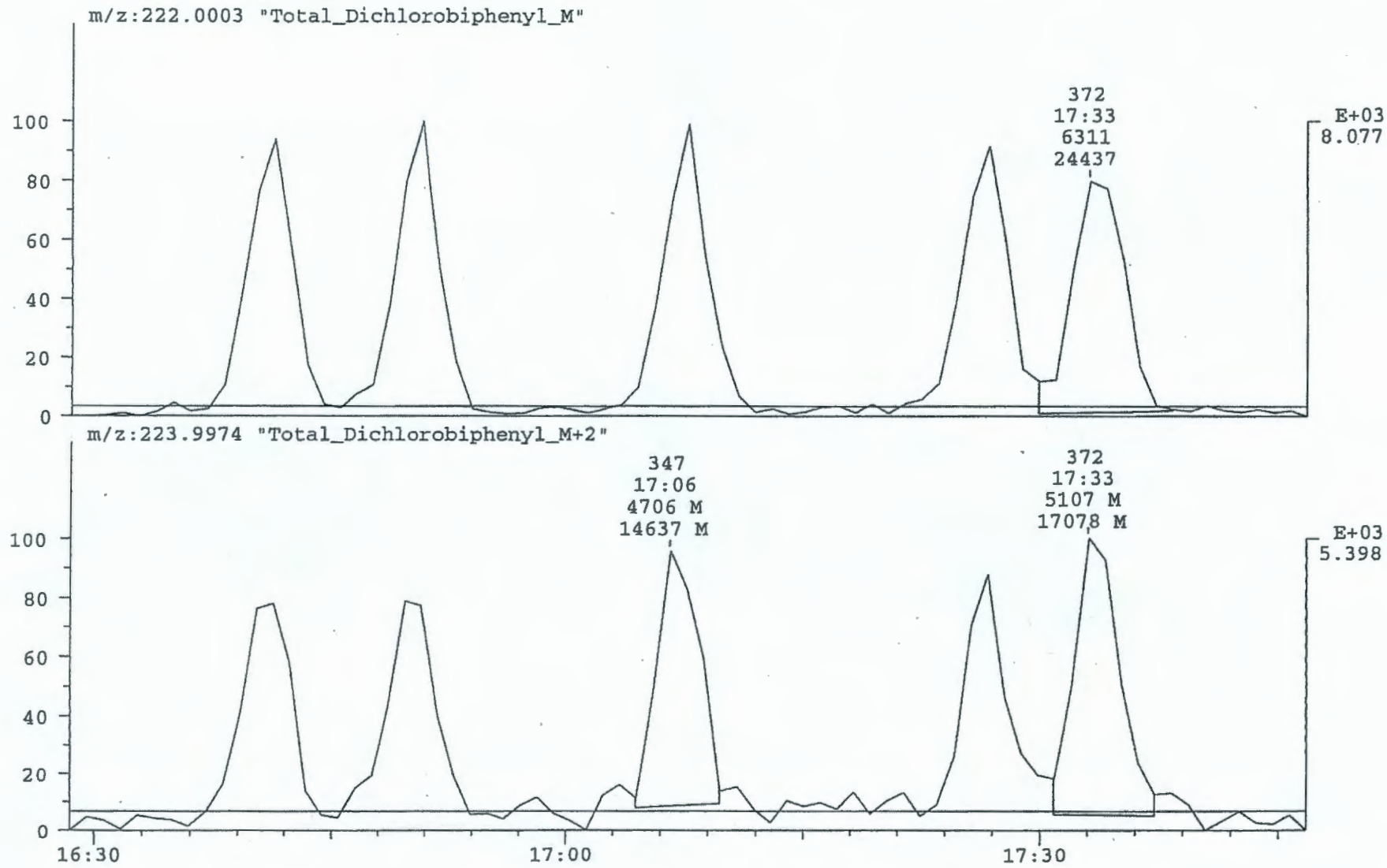


CHRO: a070313i6 13-Mar-07 Elapse: 56:12 2554
Samp: Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1 Start : 17:42:37 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL CS0.5
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 311 > 385 Masses: 181 > 510
Area: 5, 2.00, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area

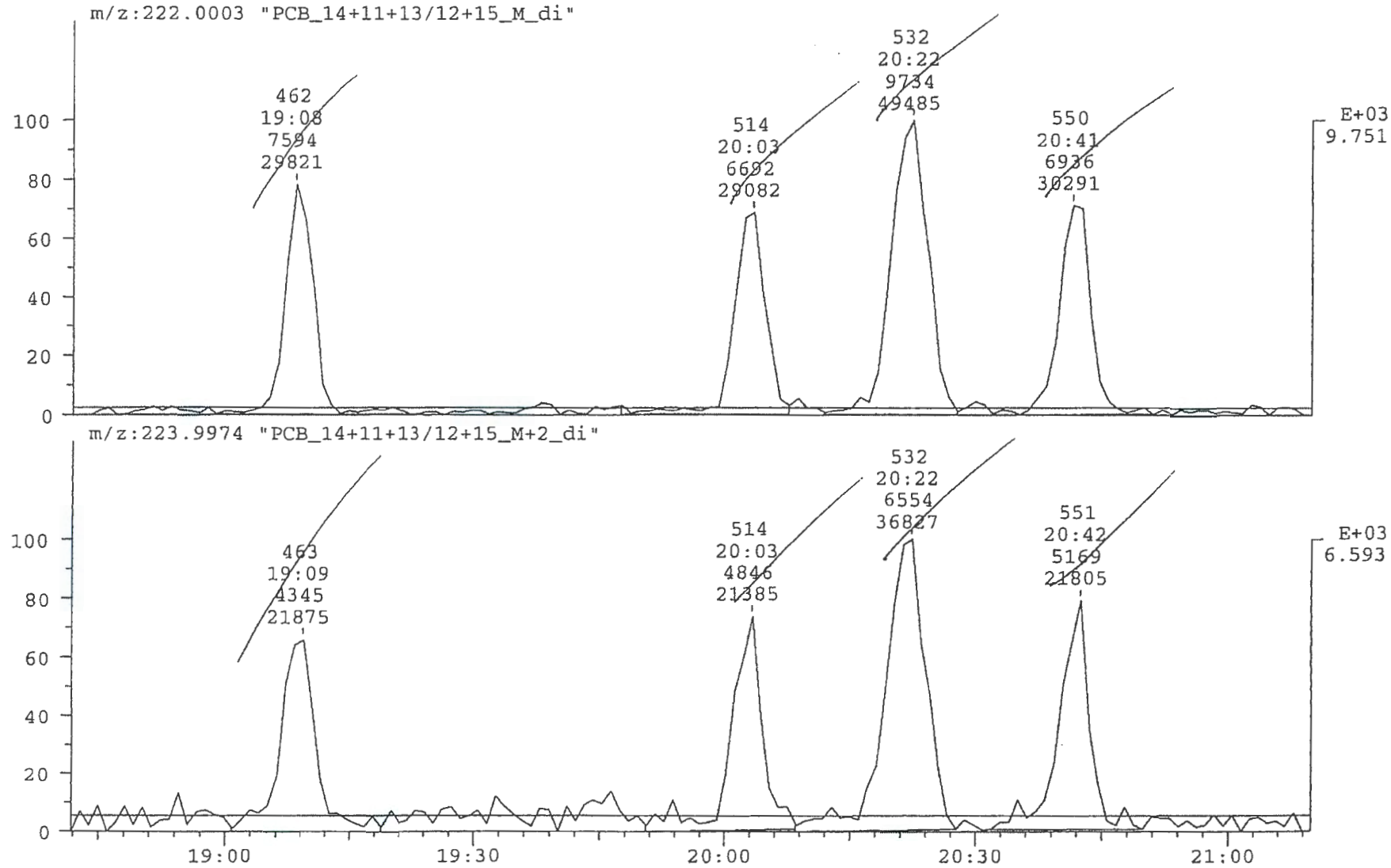


See next page BPD 3/15/07

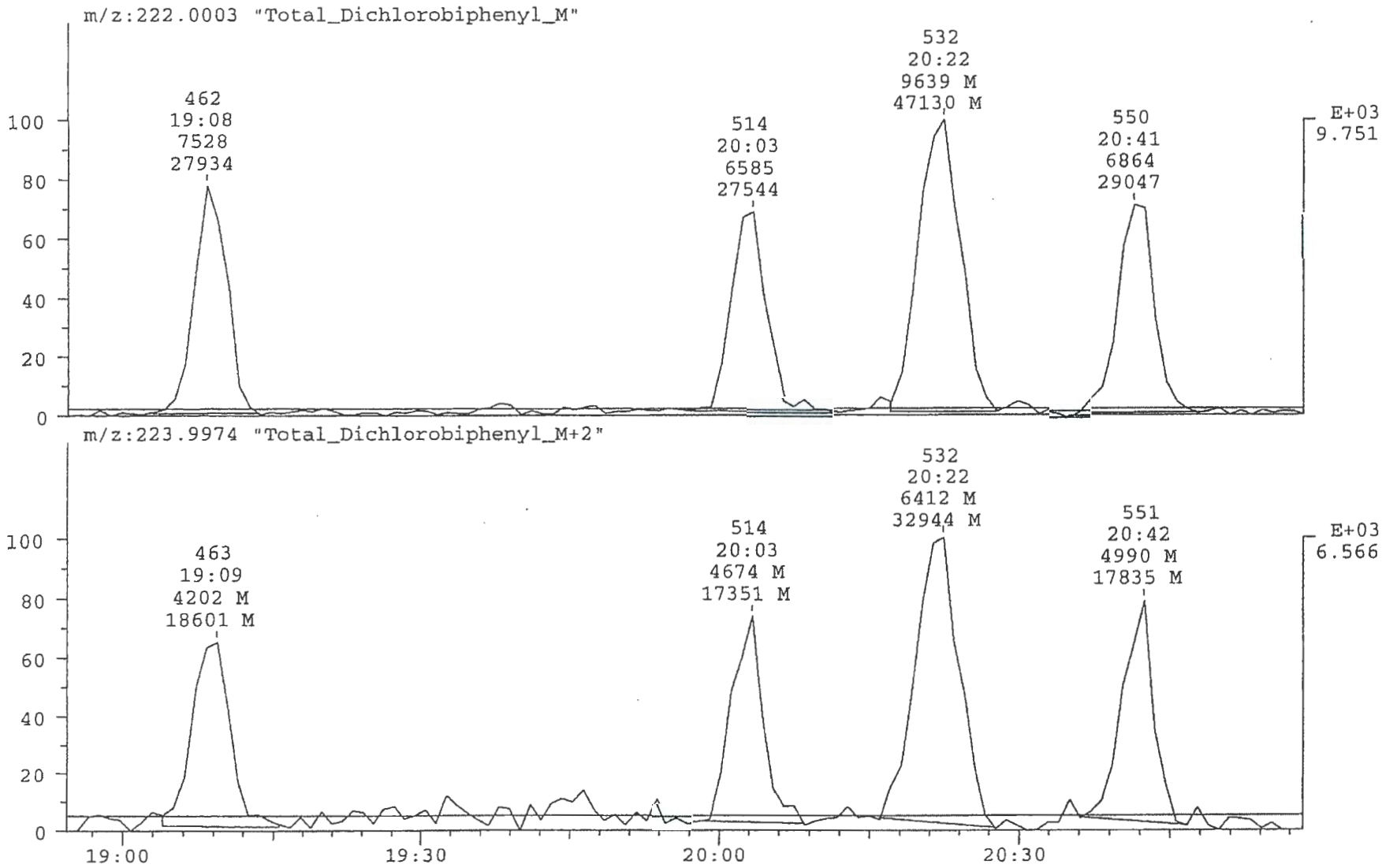
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  17:33.0      372
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   369 > 375            Masses:  181 > 510
Area:  5, 2.00, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



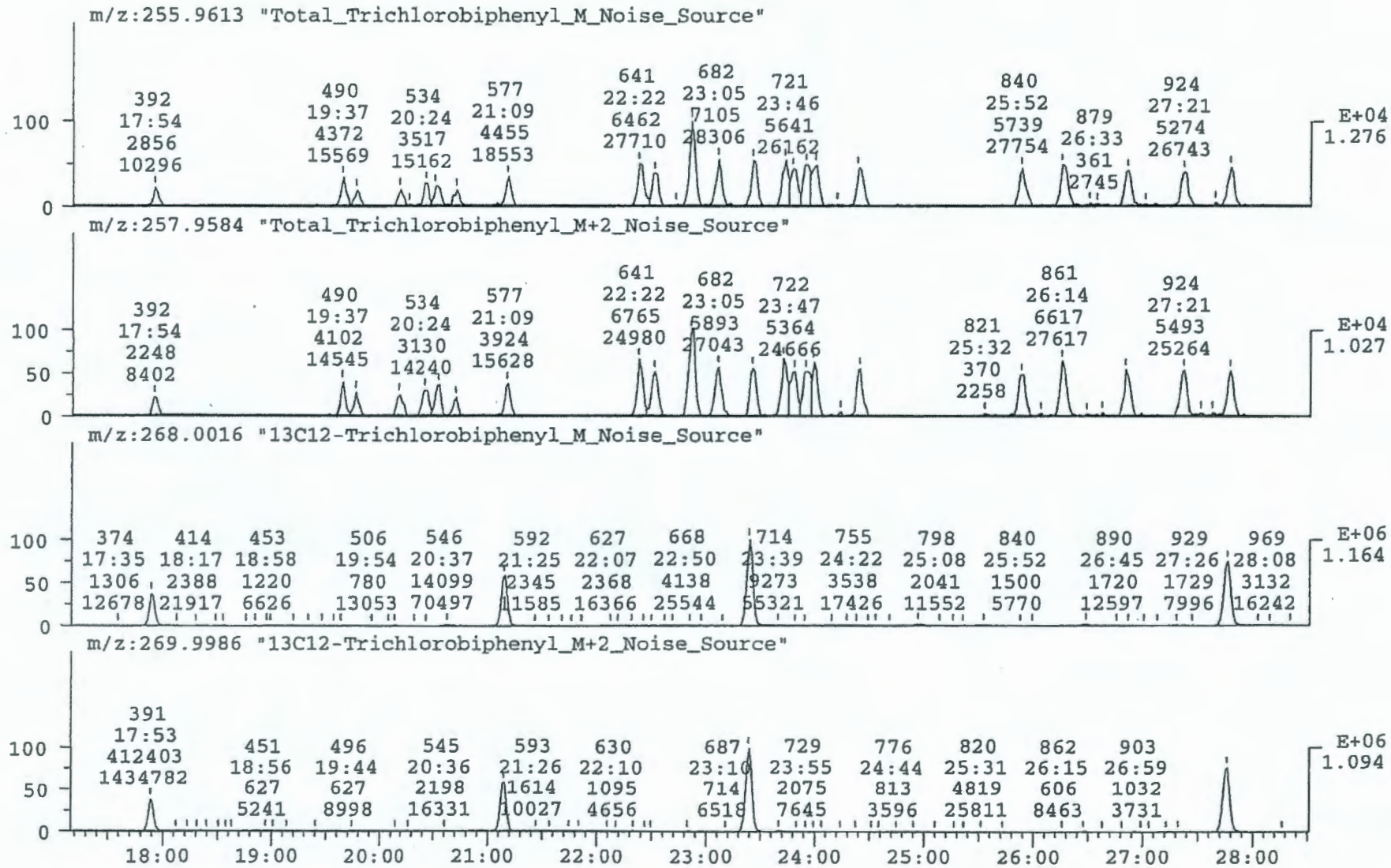
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  19:55.8      507
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   437 > 577            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 2               Label :  -3, 3.0
Disp:  Height  Area
```



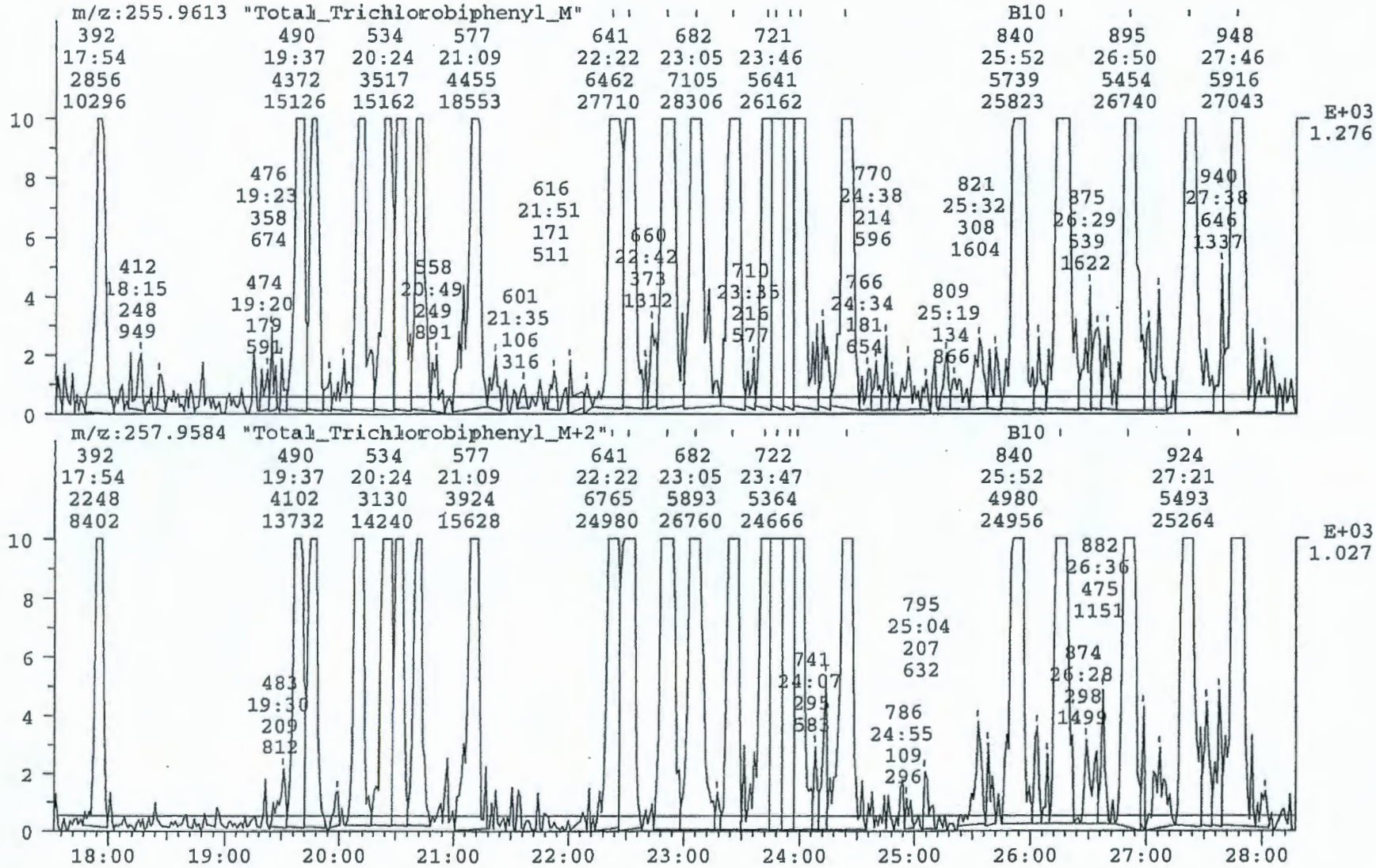
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   449 > 566            Masses:  181 > 510
Area:  5, 2.00, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



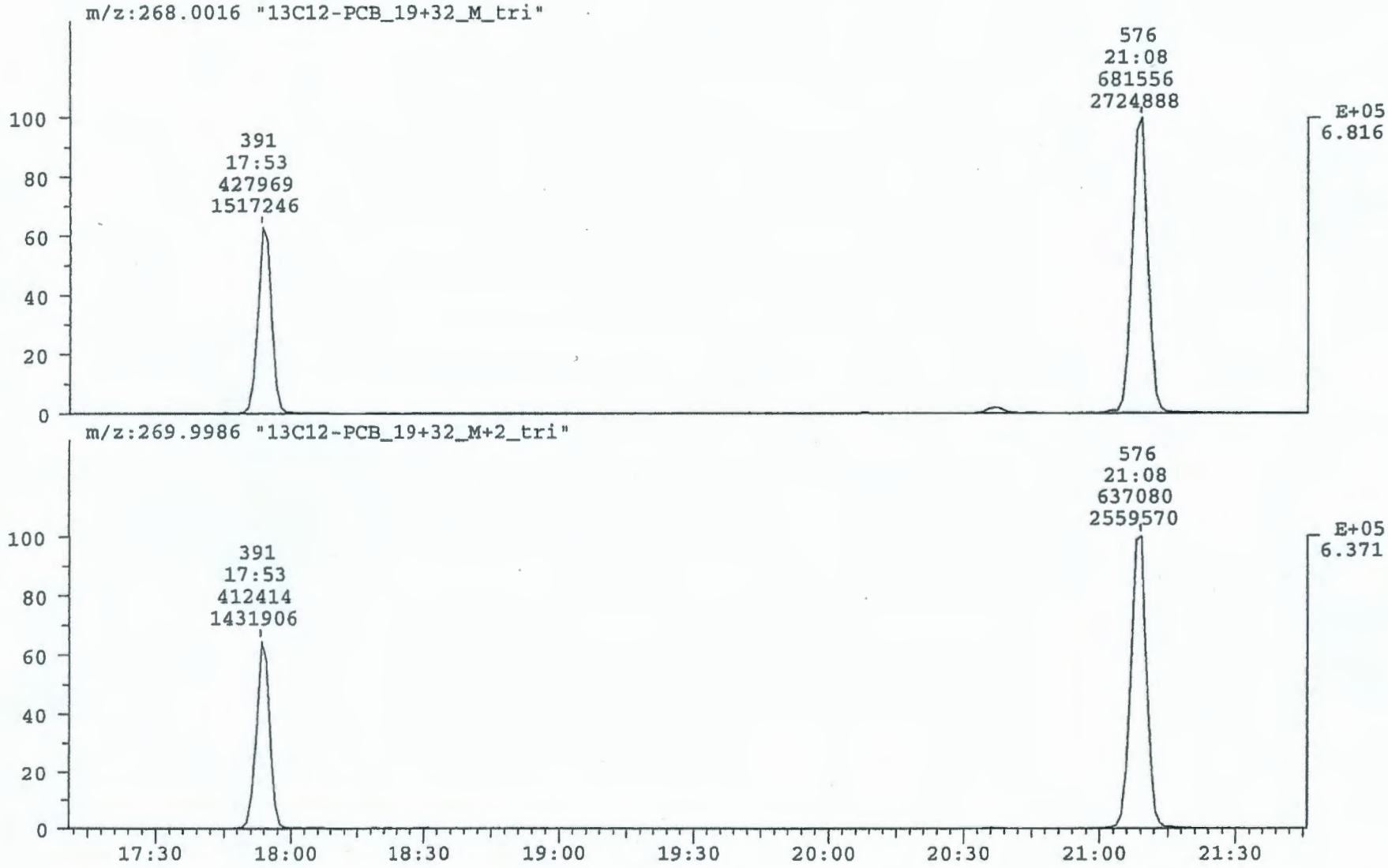
CHRO: a070313i6 13-Mar-07 Elapse: 22:52.8 670
Samp: Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1 Start : 17:42:37 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL CS0.5
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 350 > 990 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



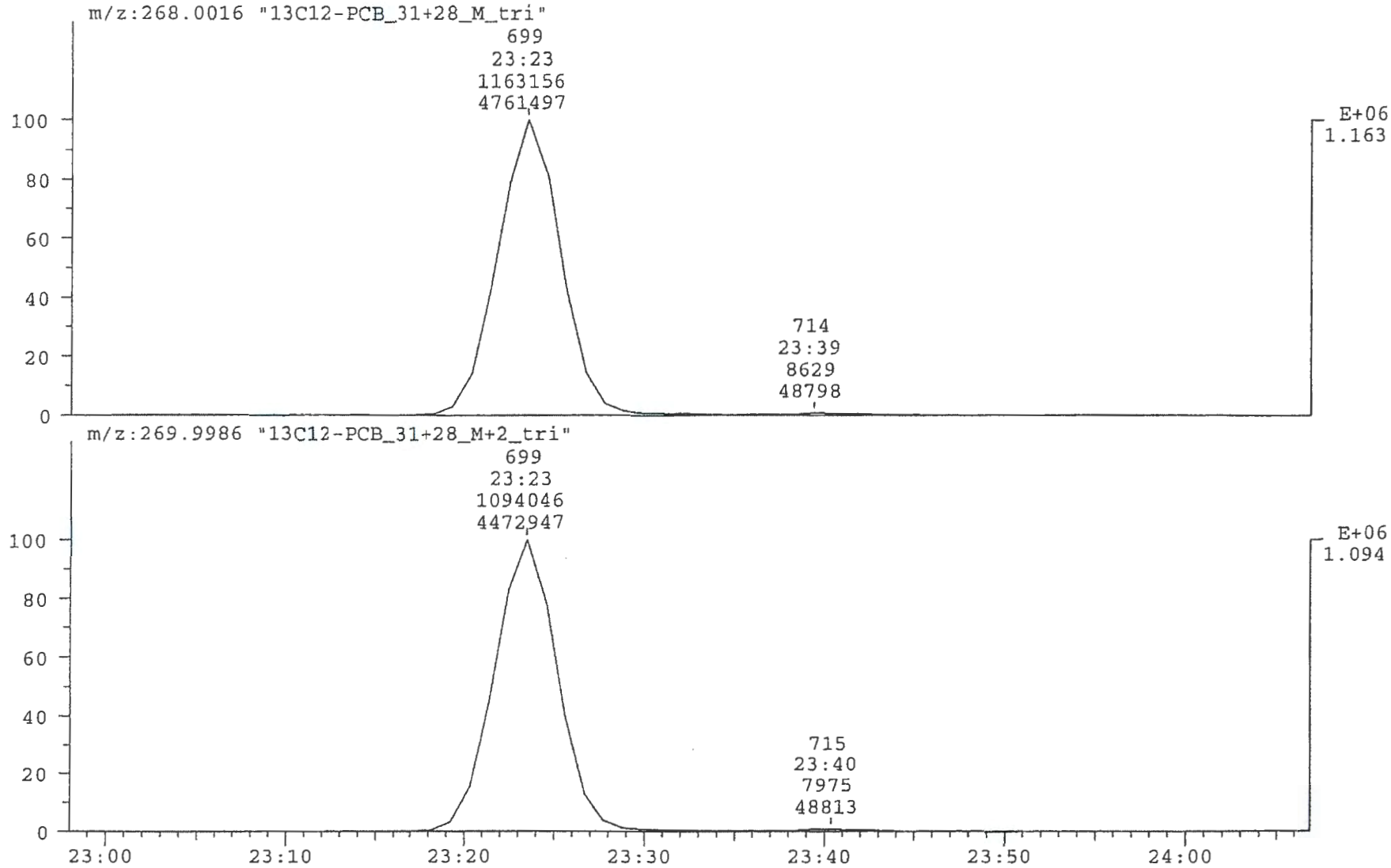
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   371 > 977             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 1.0
Disp:  Height  Area
```



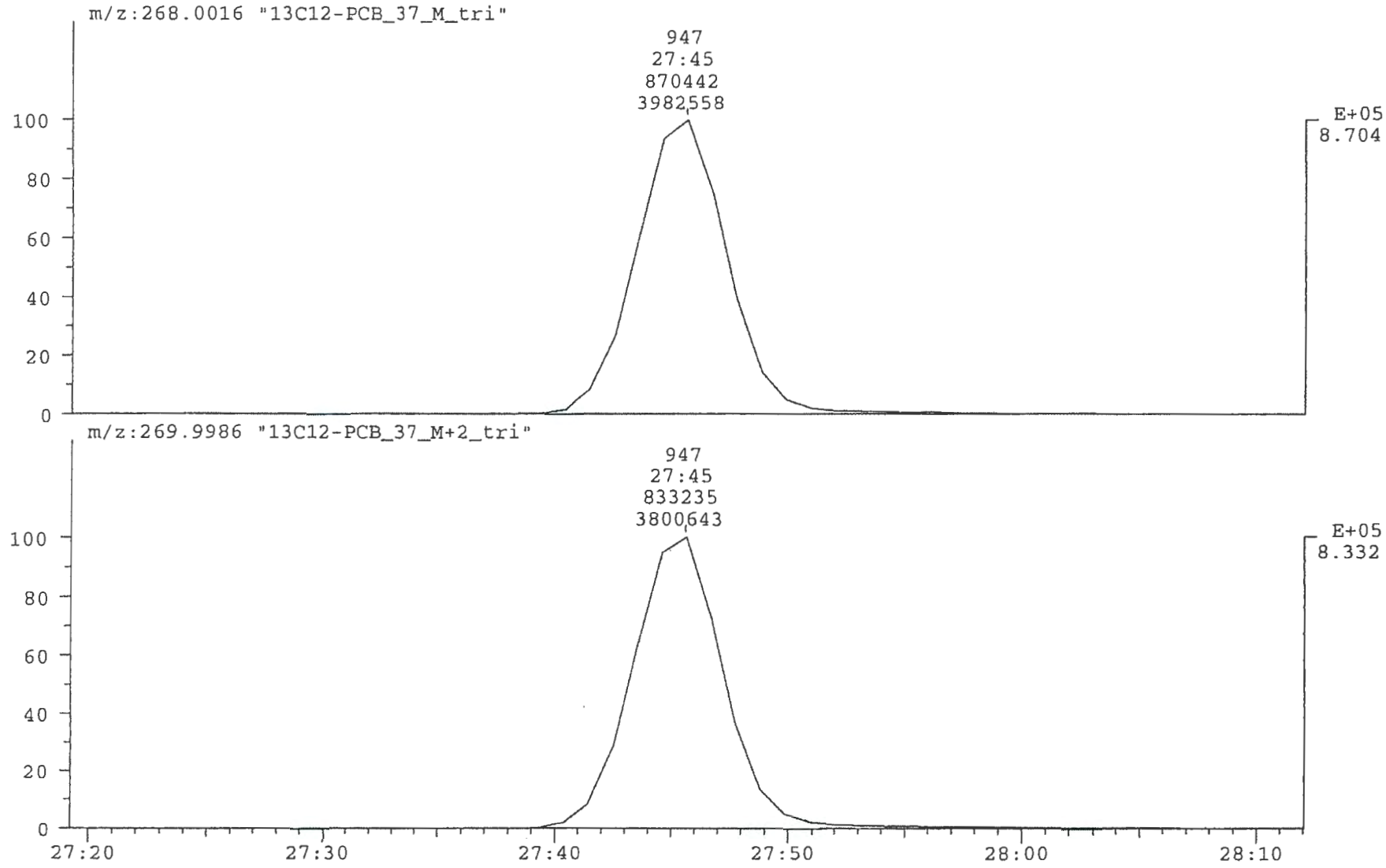
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  19:17.7      471
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   351 > 611            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 1                Label :  -3, 3.0
Disp:  Height  Area
```



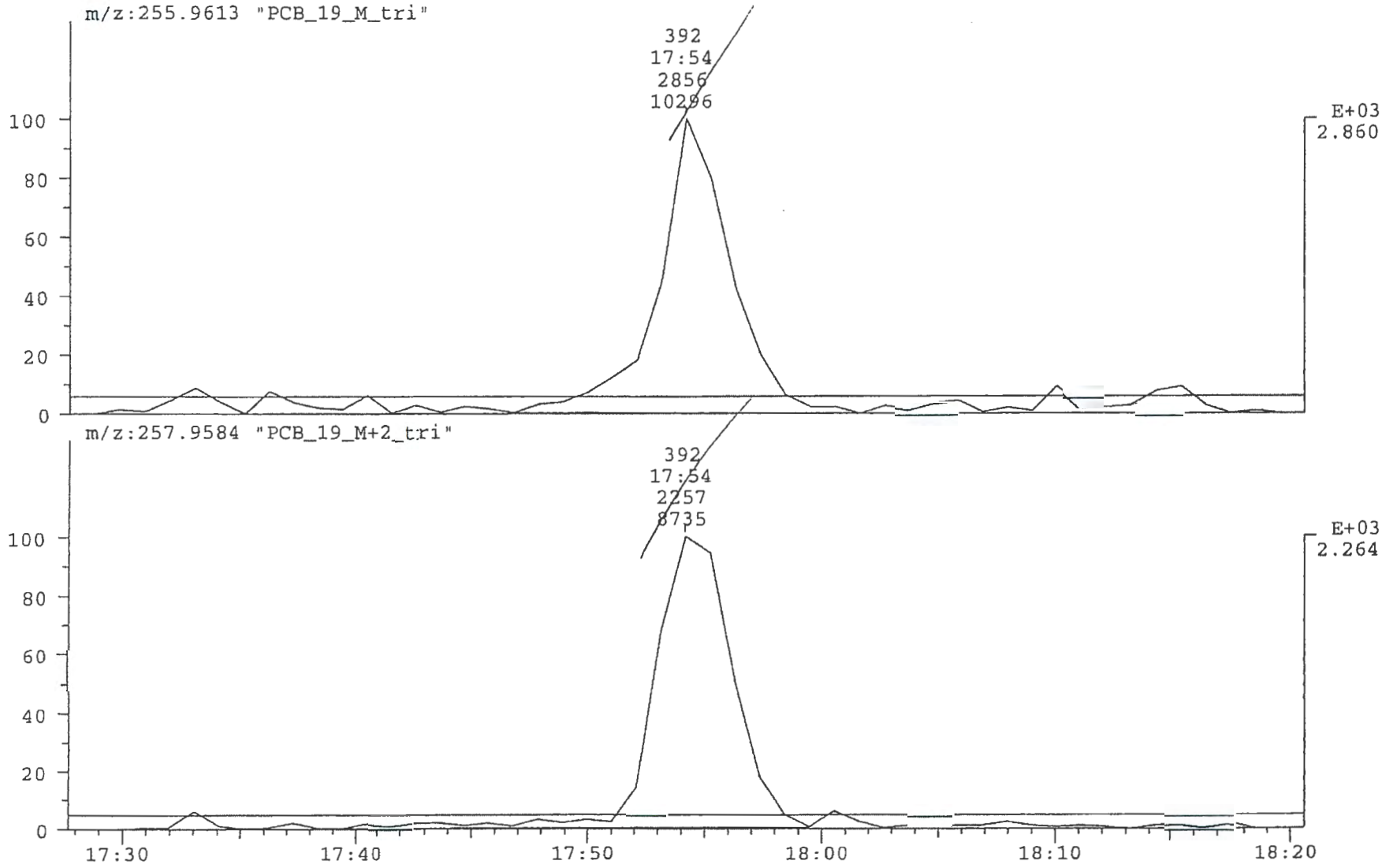
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  23:24.5      700
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   675 > 740            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



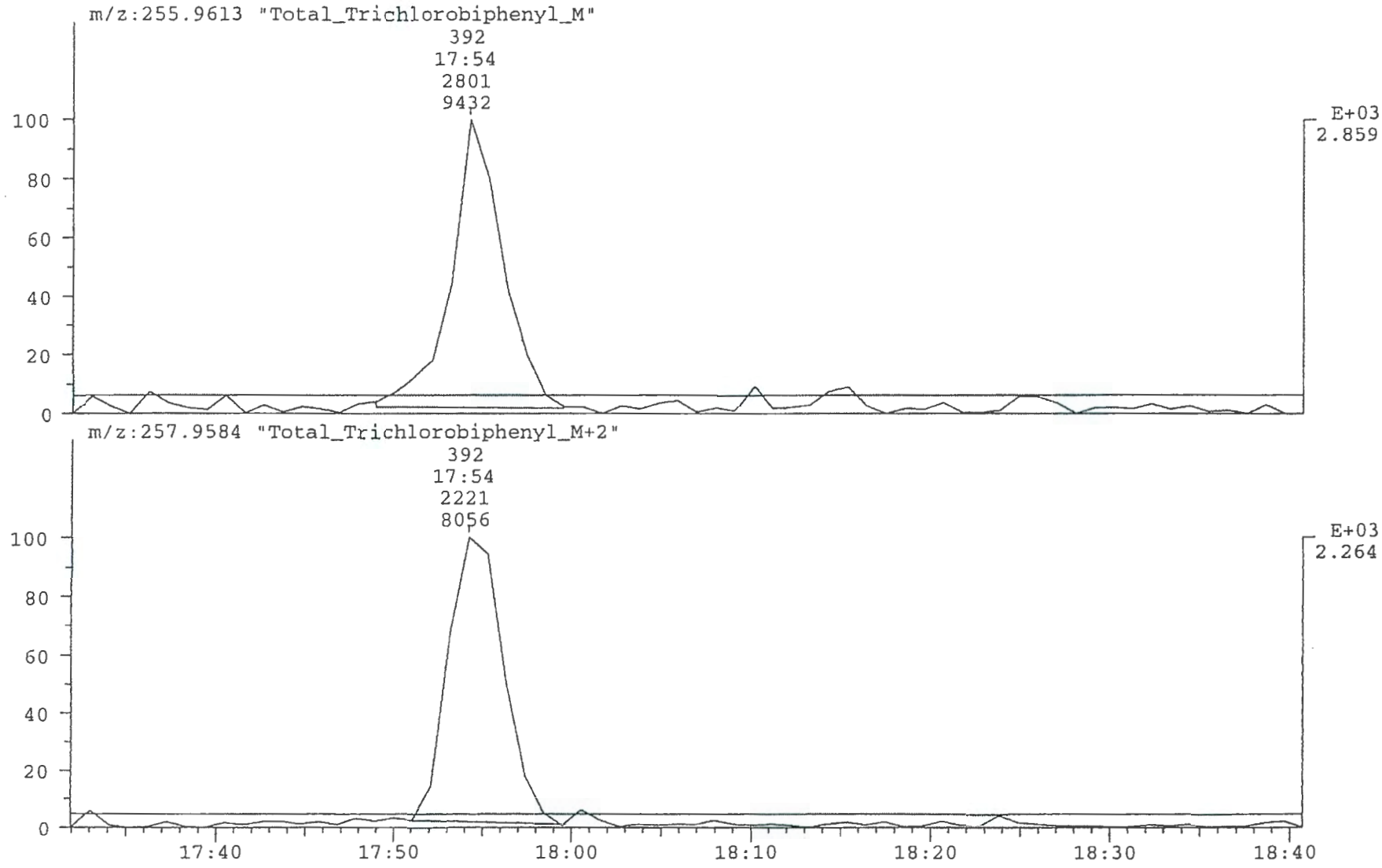
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  27:45.6      947
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   922 > 972             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



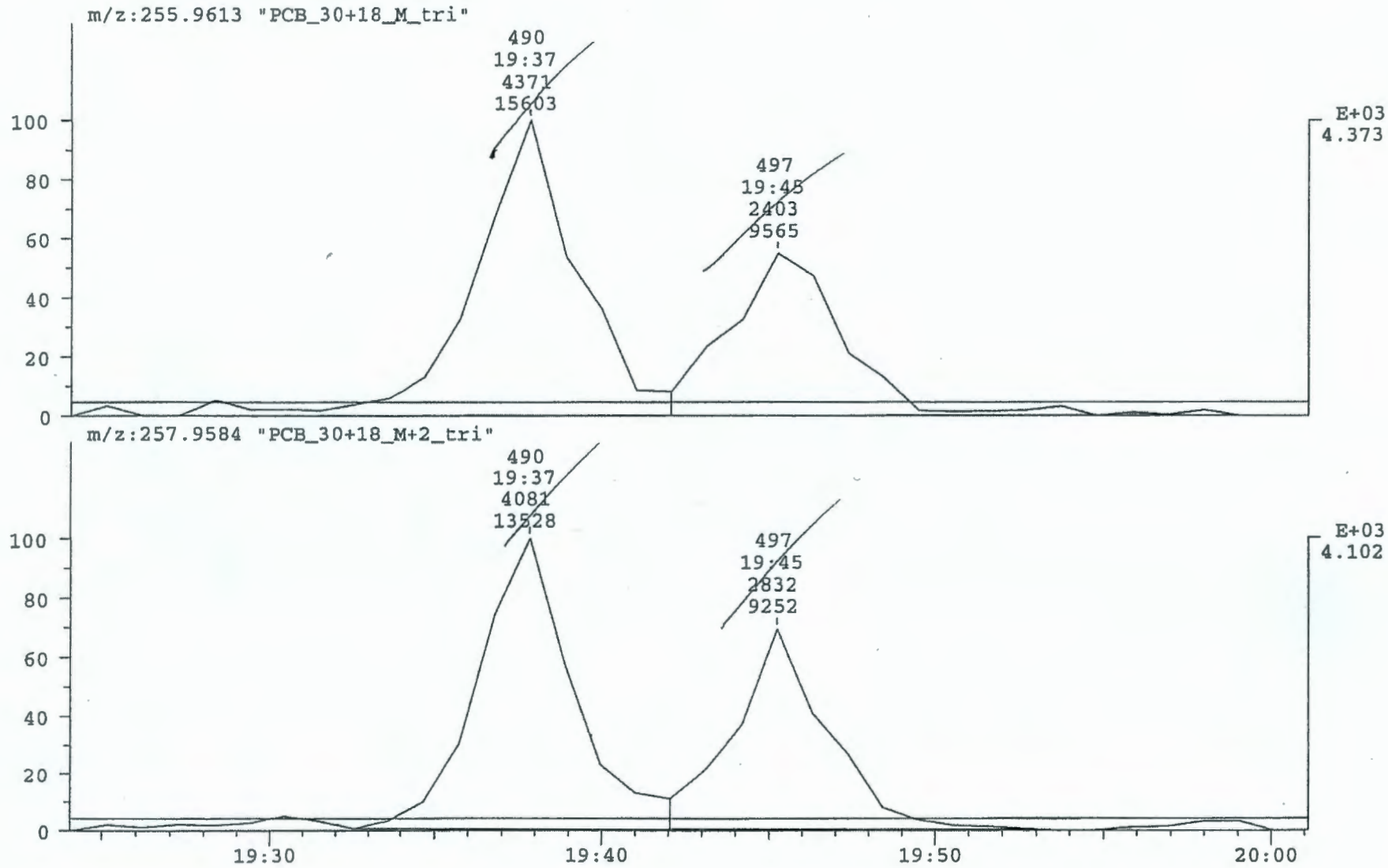
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  17:54.2      392
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   367 > 417             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



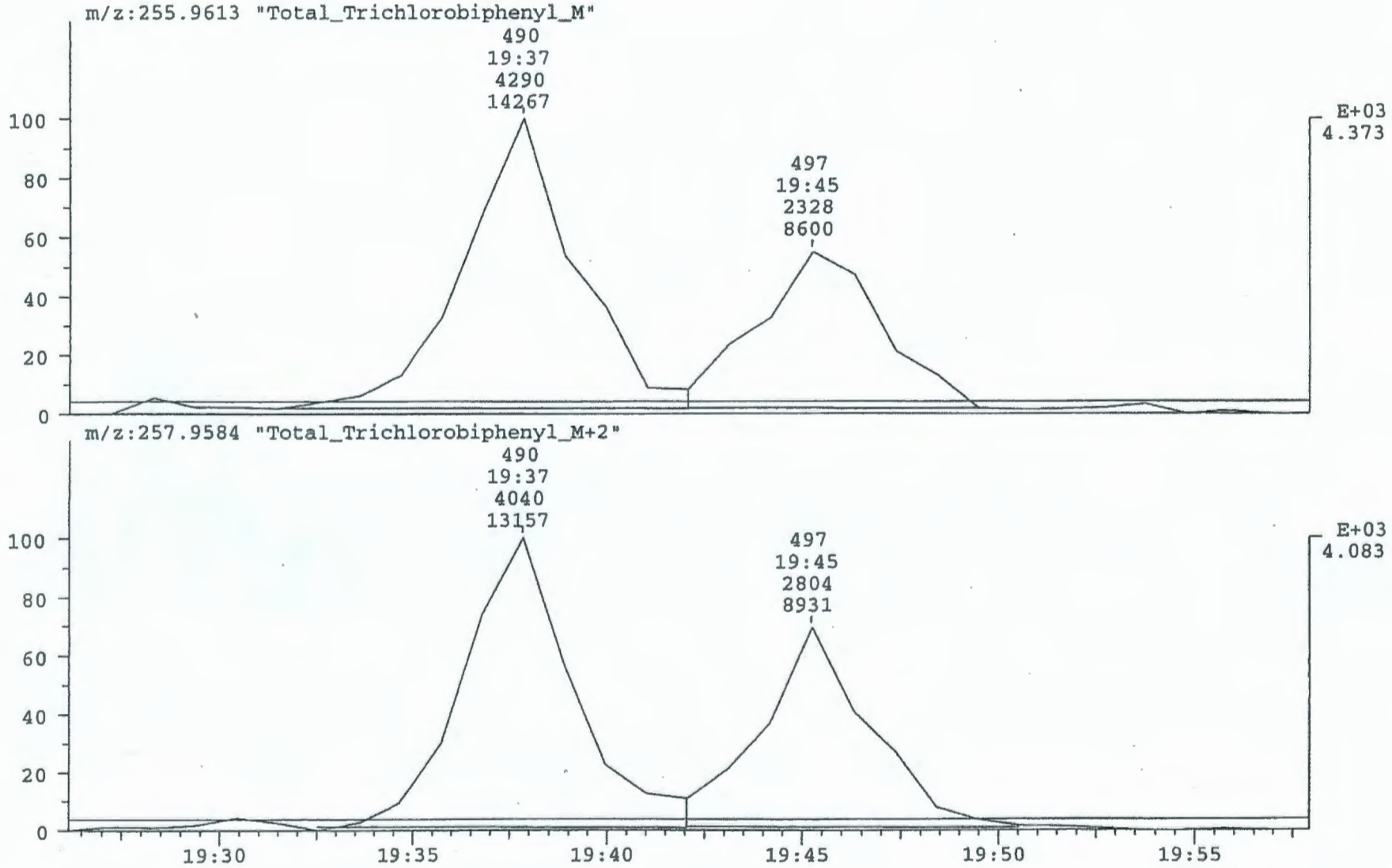
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   371 > 436            Masses:  181 > 510
Area:  5, 2.00, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



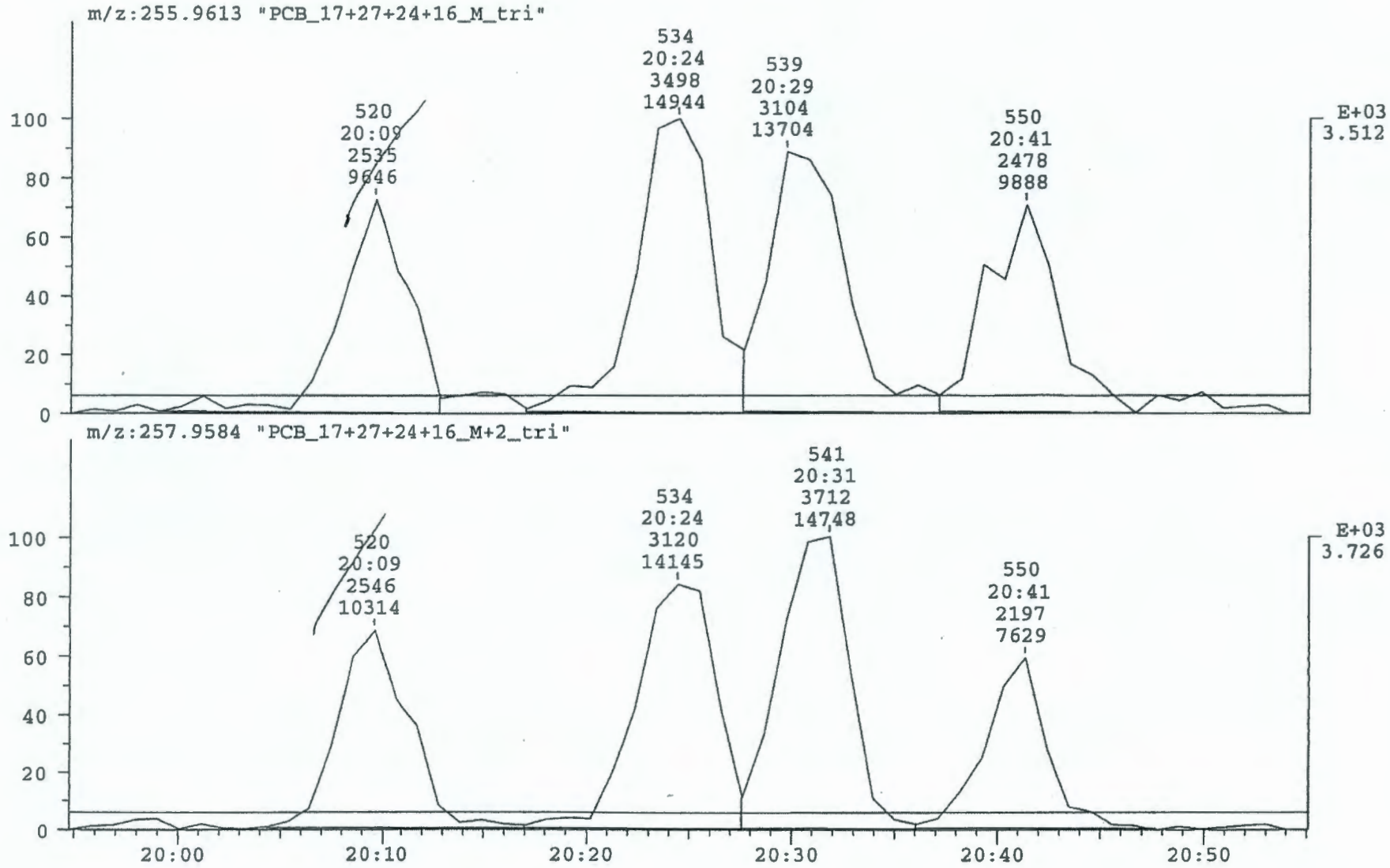
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  19:45.2     497
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   477 > 512            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



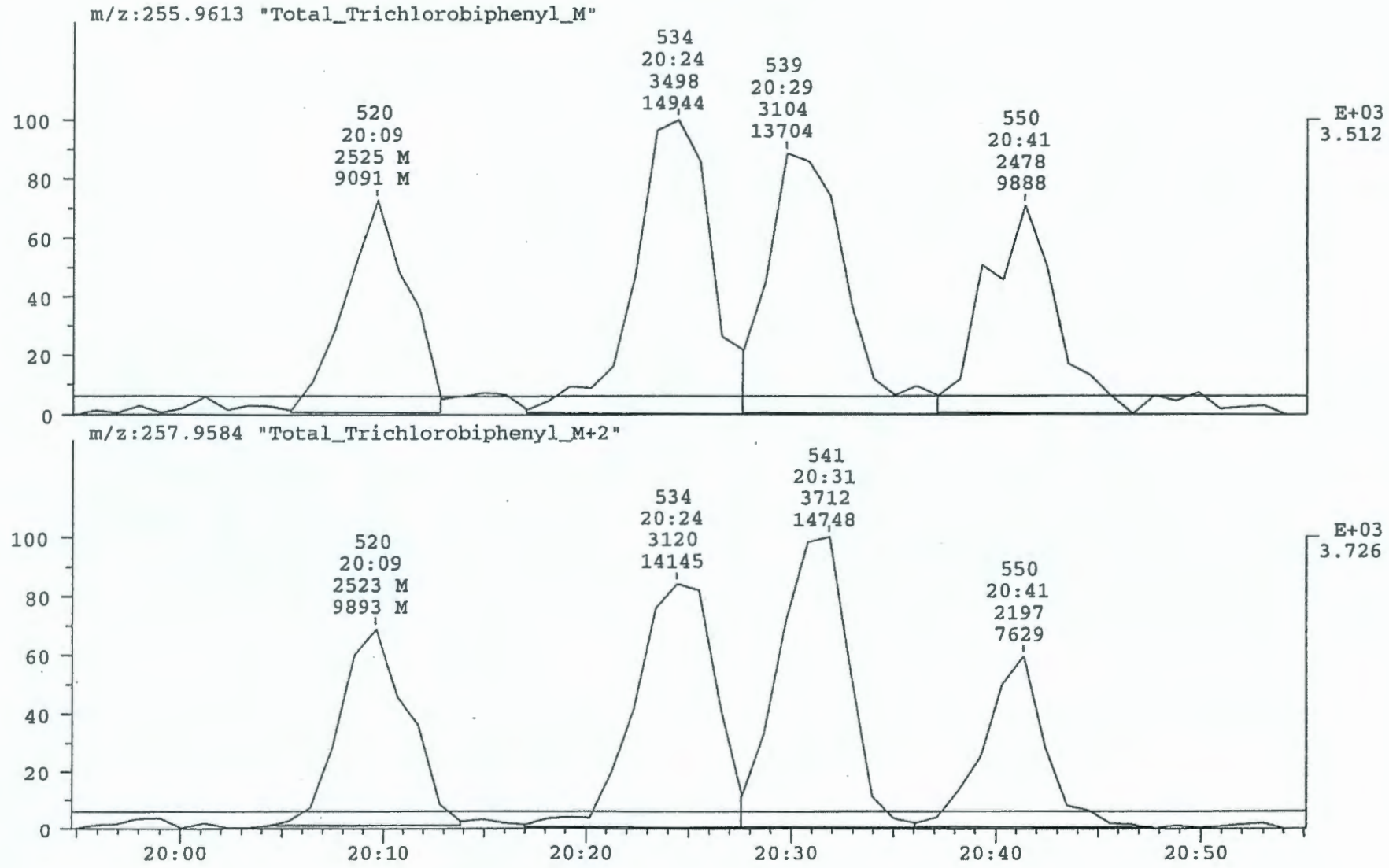
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   479 > 509            Masses:  181 > 510
Area:  5, 2.00, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



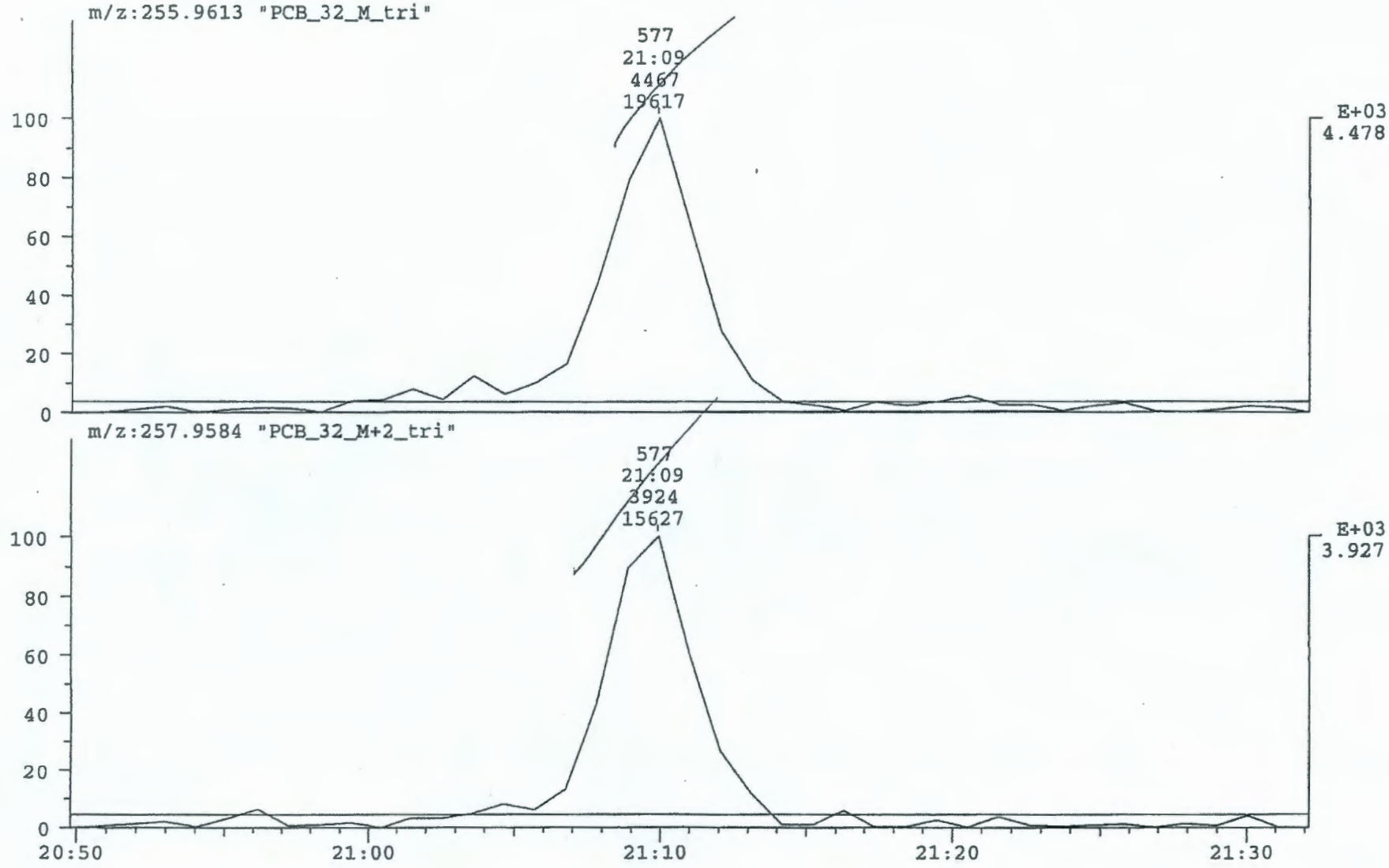
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  20:26.5      536
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   506 > 563             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



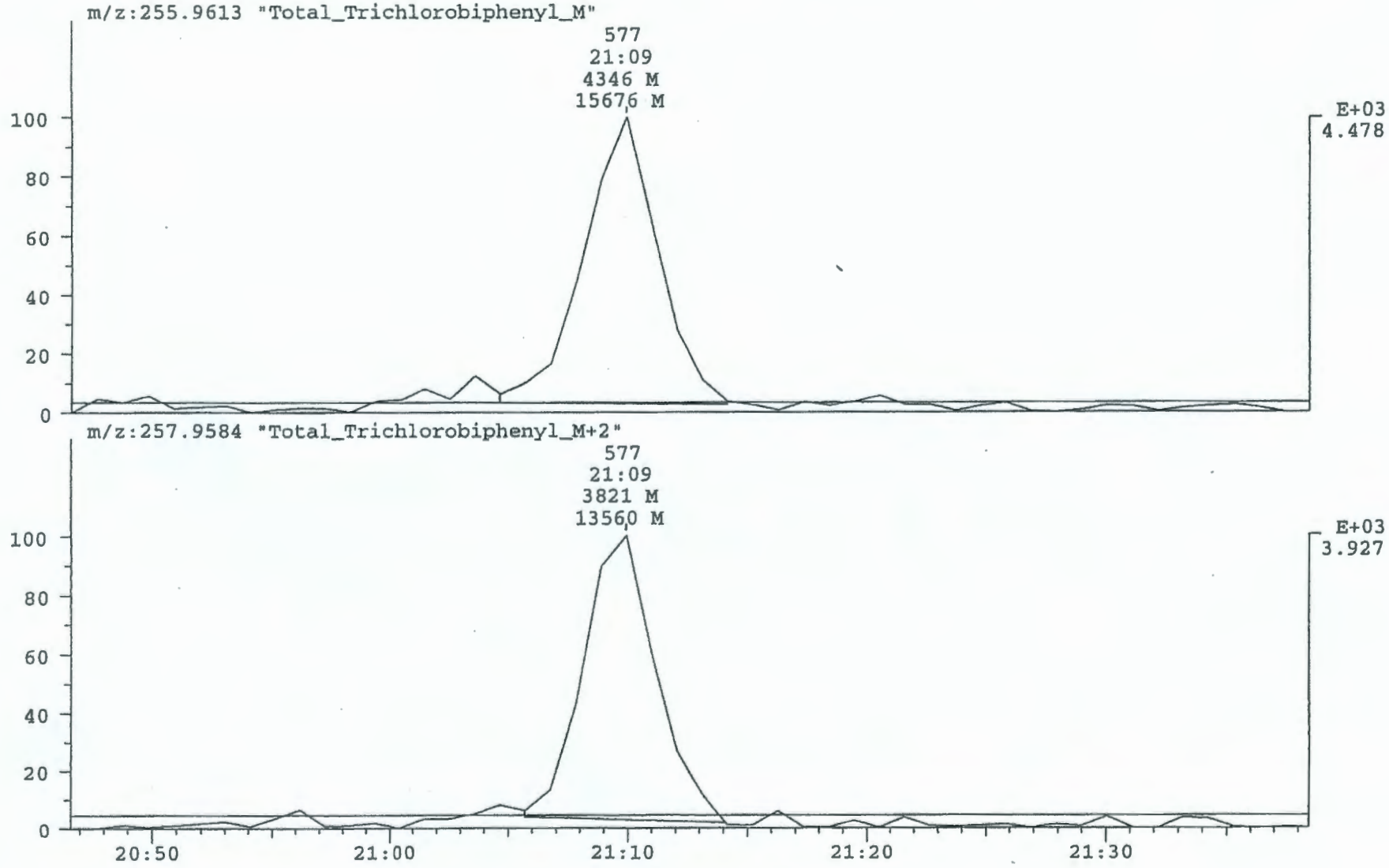
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   506 > 563             Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



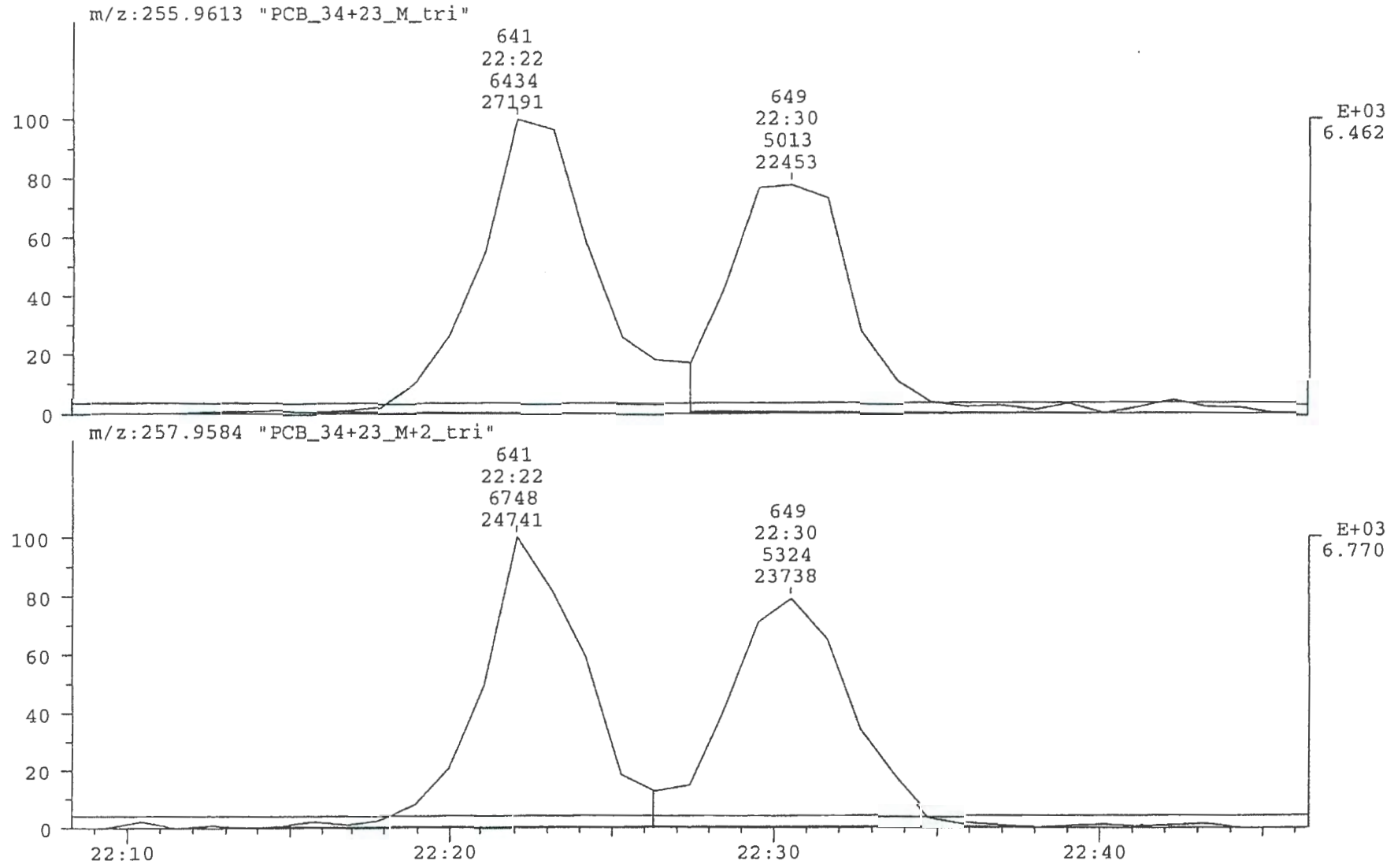
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  21:11.9      578
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37    2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   558 > 598            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



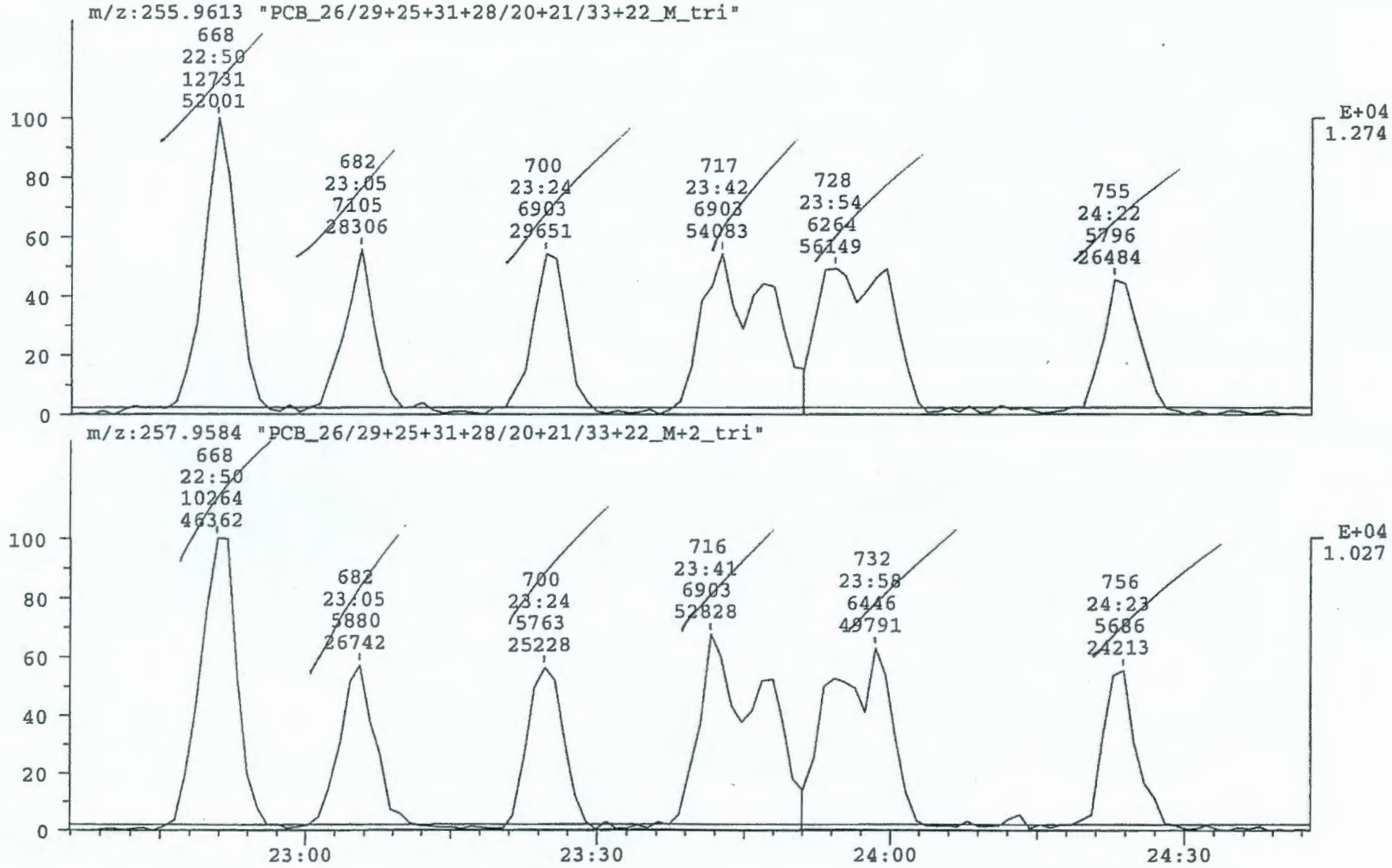
```
CHRO:  a070313i6                              13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1             Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville             Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   555 > 604          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



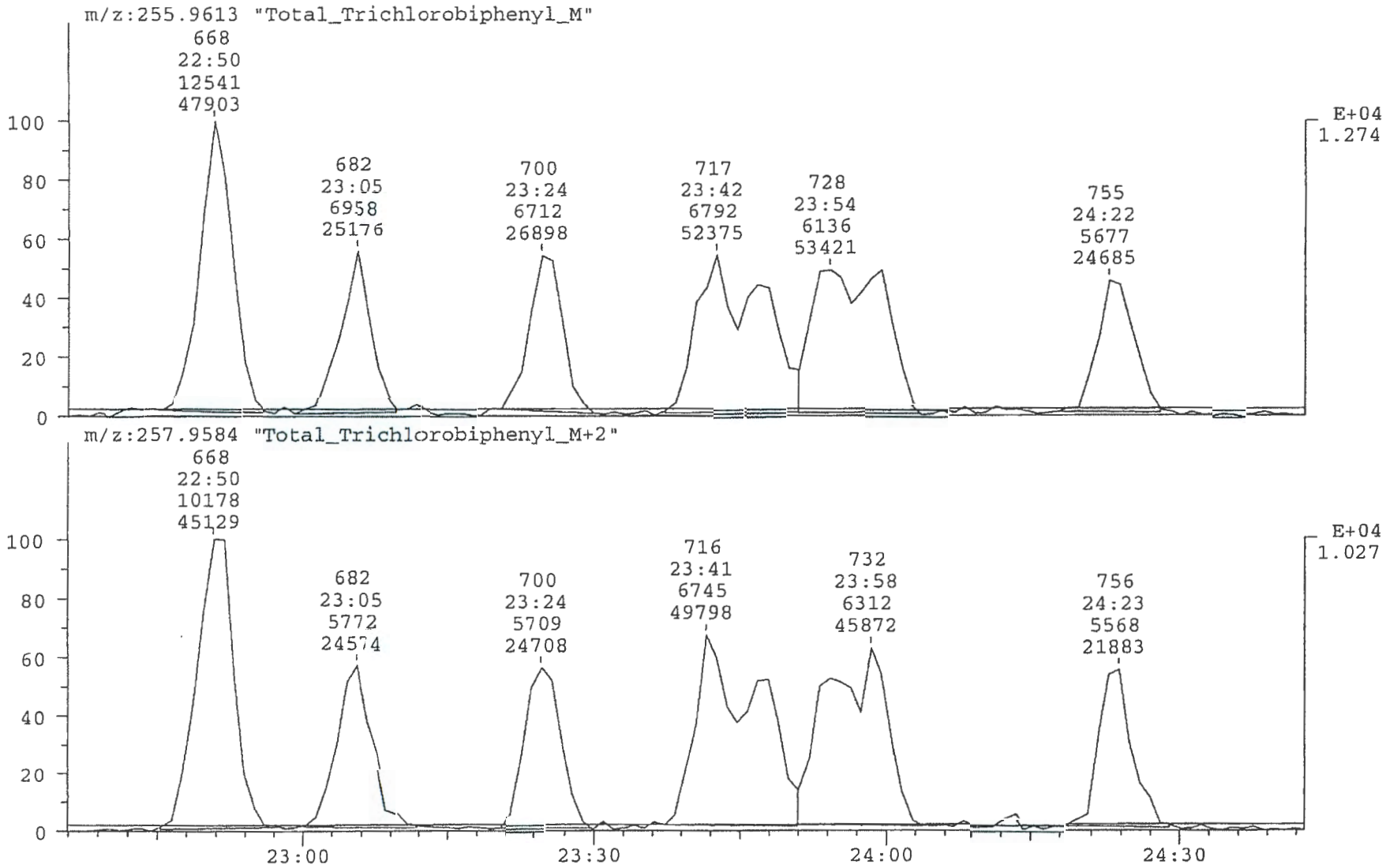
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  22:24.2      643
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   628 > 664             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



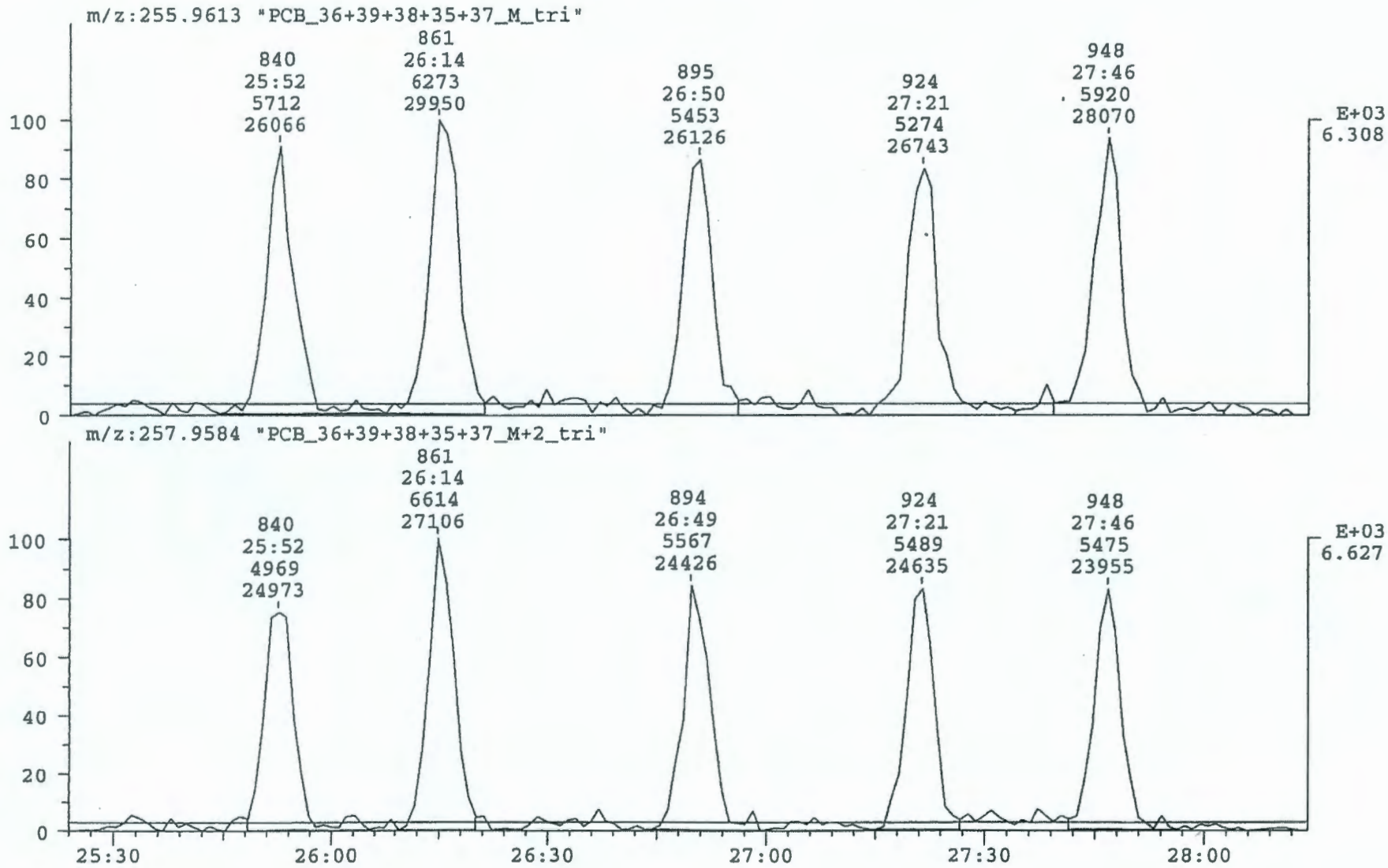
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  23:55.2      729
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   654 > 774             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 8                Label :  -3, 3.0
Disp:  Height  Area
```



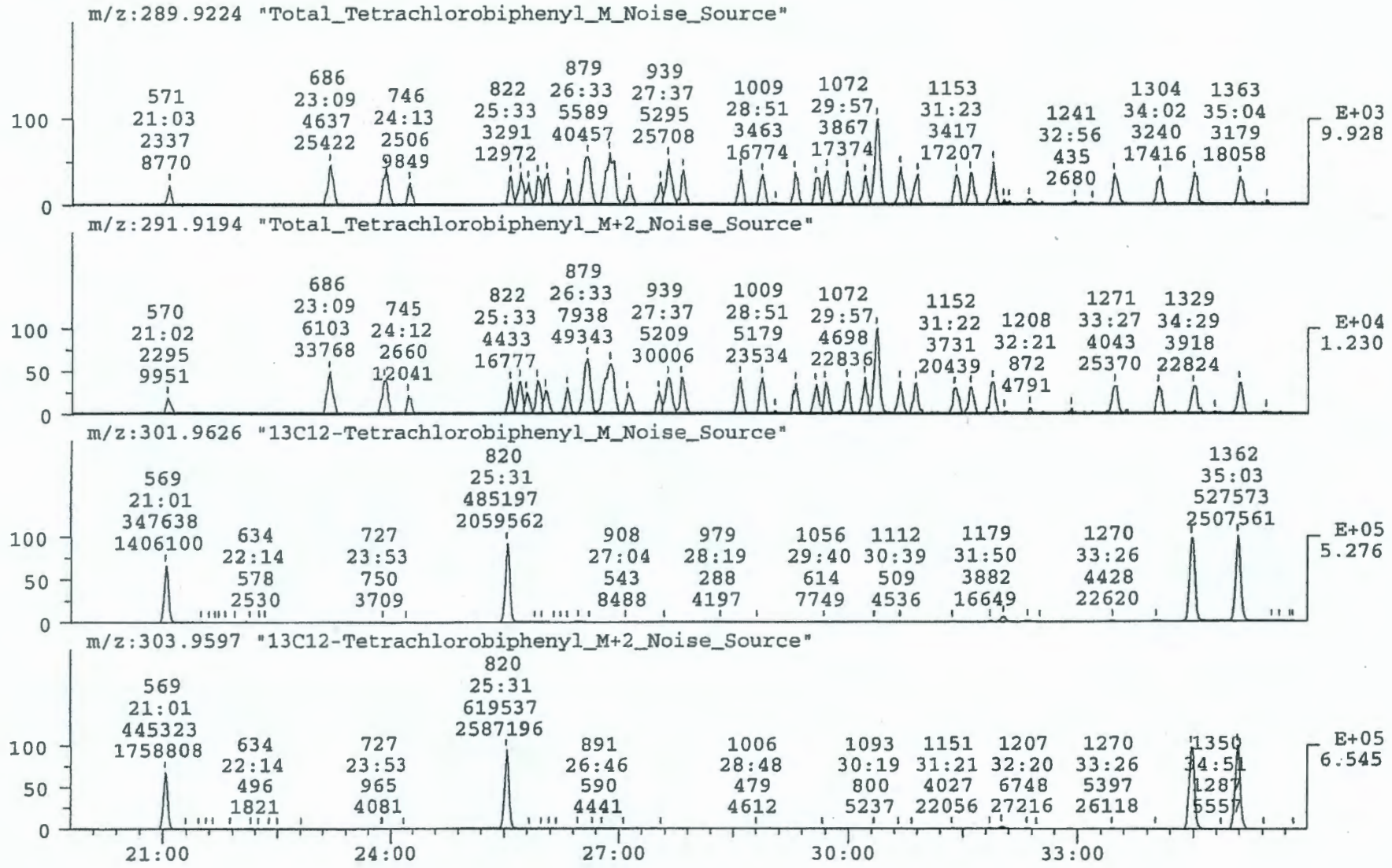
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   654 > 774            Masses:  181 > 510
Area:  5, 3.00, 15      Baseline  :   100, 8                Label :  -3, 3.0
Disp:  Height  Area
```



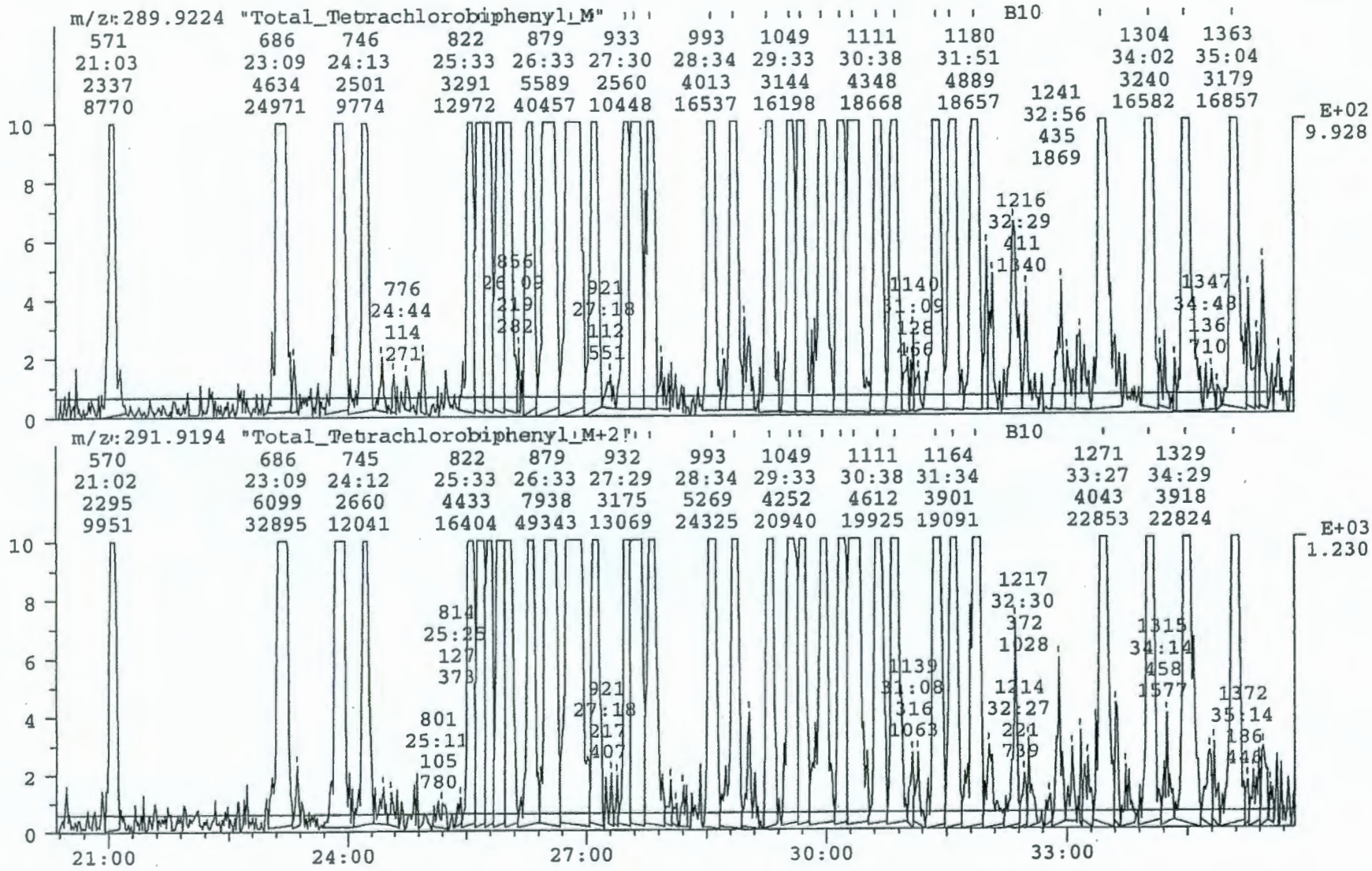
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  26:53.9      898
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   813 > 974            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 1               Label :  -3, 3.0
Disp:  Height  Area
```



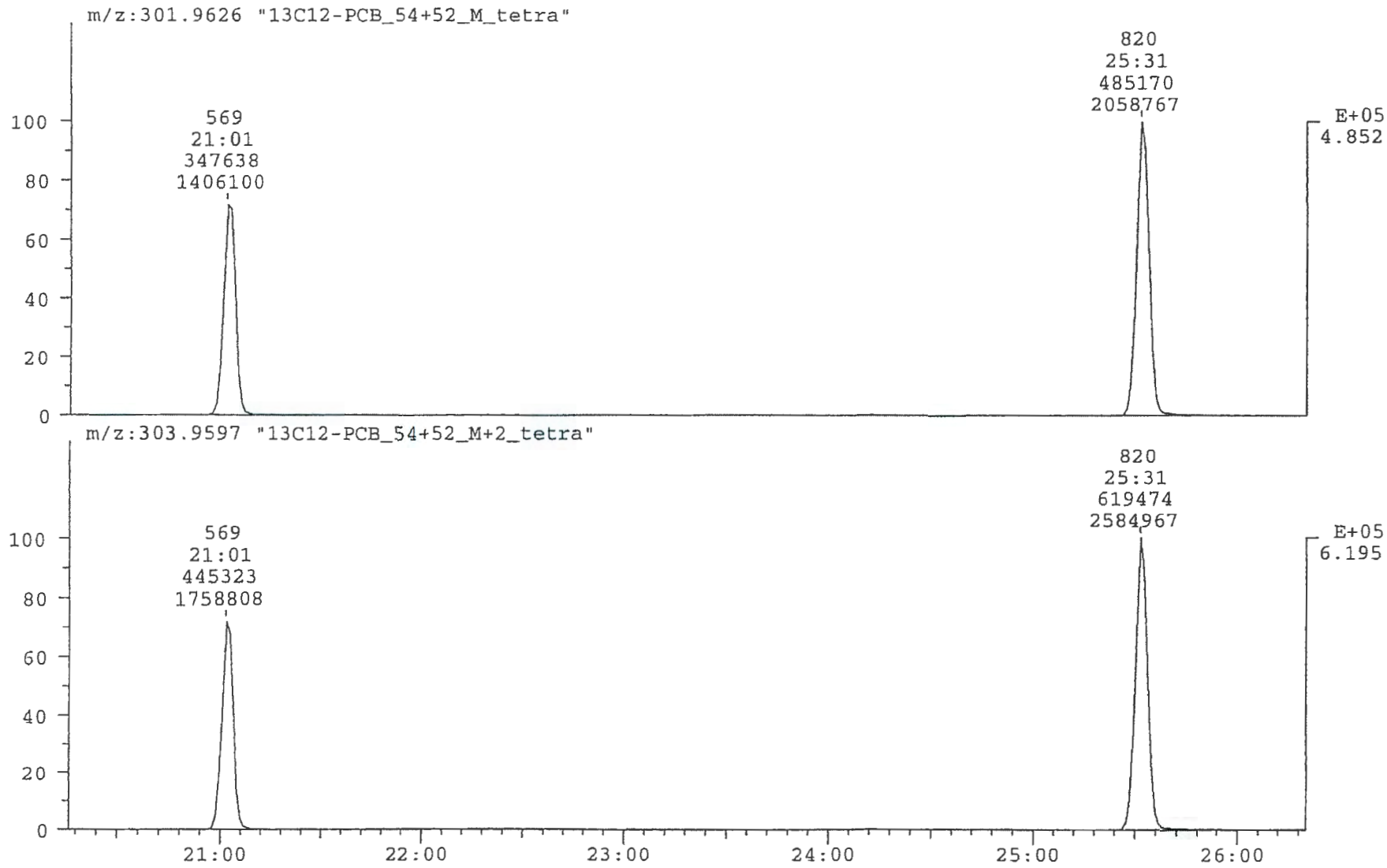
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  27:53.0      954
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   500 > 1414            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



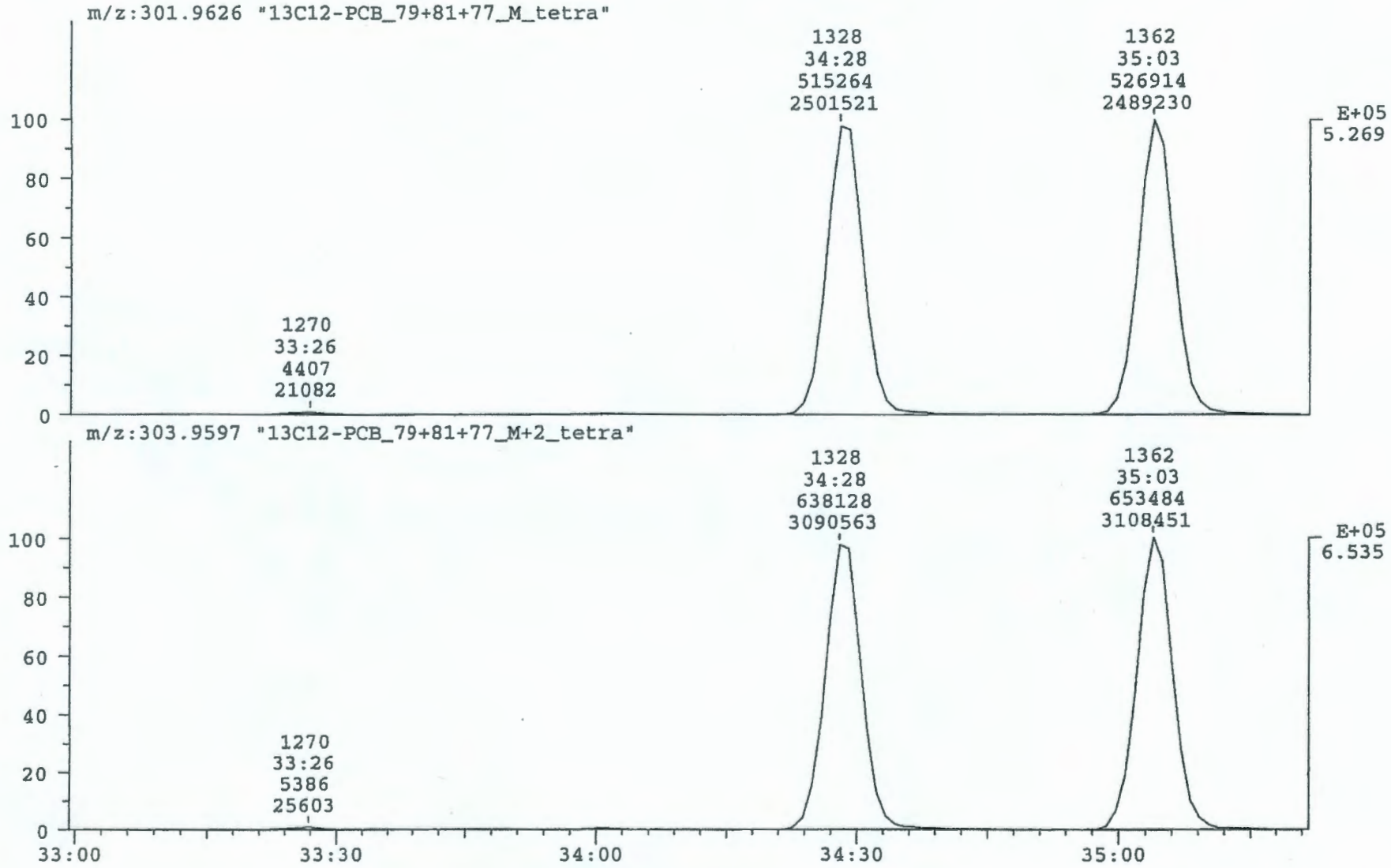
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   531 > 1406            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 1.0
Disp:  Height  Area
```



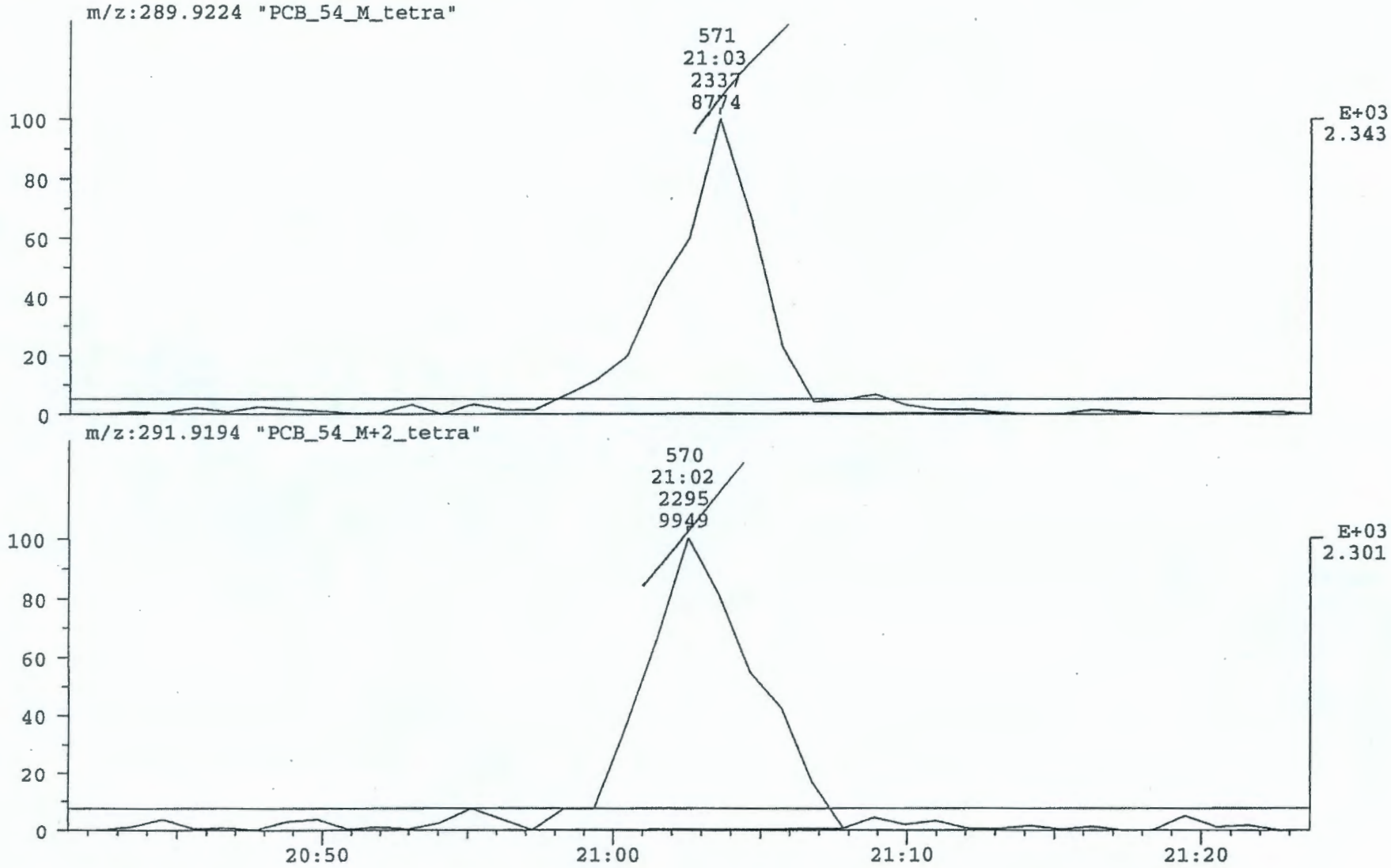
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  23:20.3      696
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   526 > 866            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



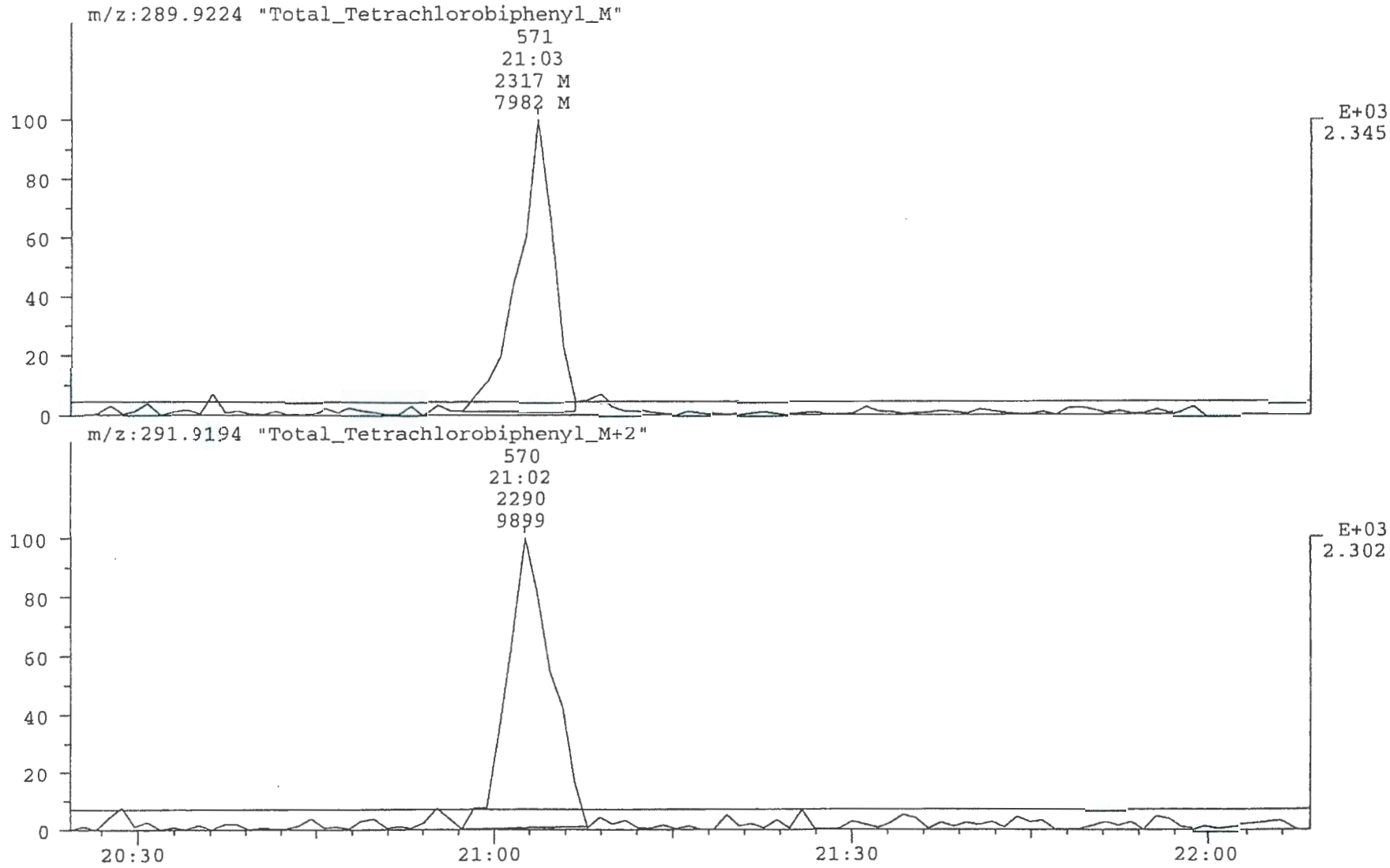
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  34:13      1314
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1244 > 1379           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



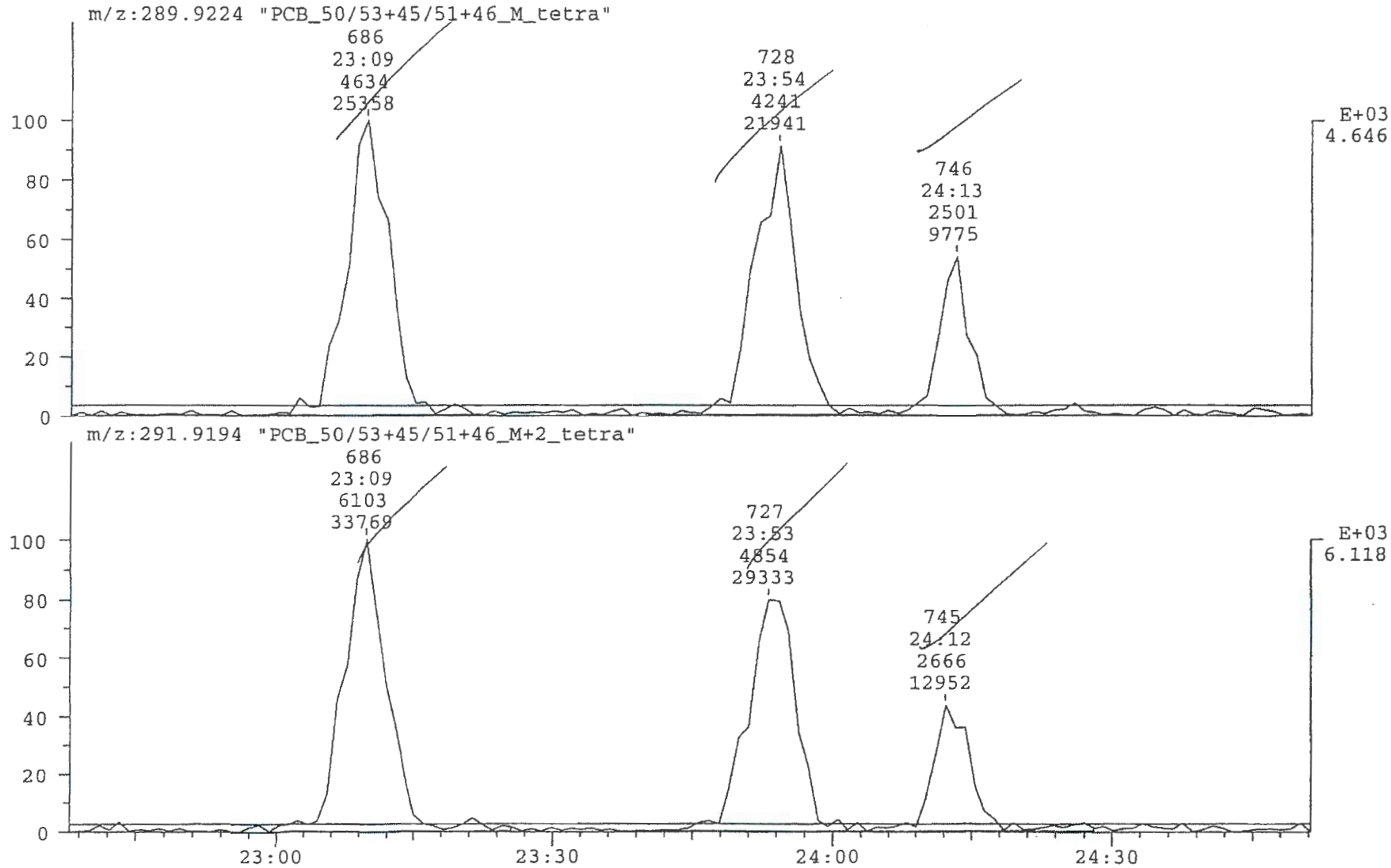
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  21:02.5      570
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37    2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   550 > 590             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



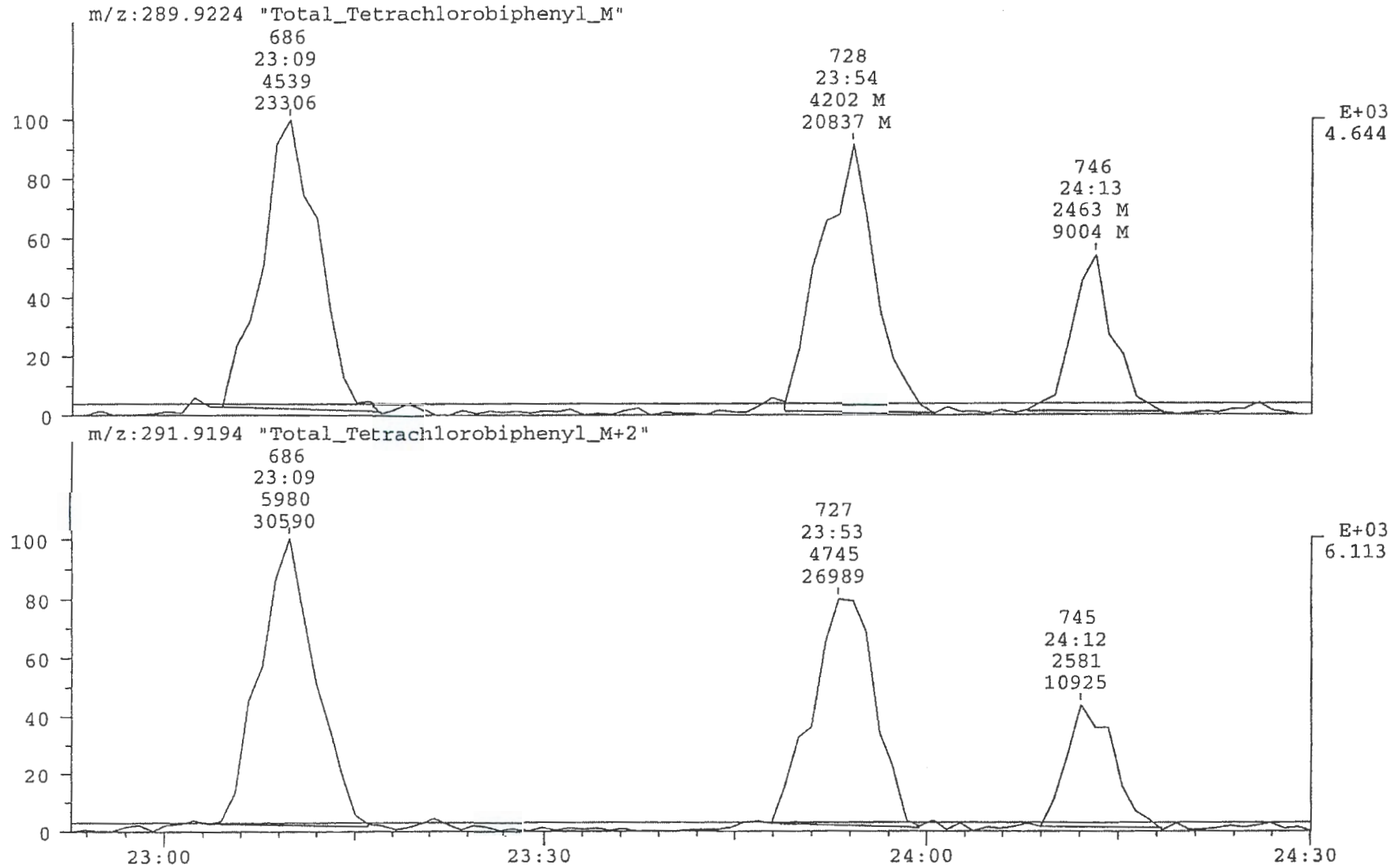
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   534 > 628             Masses:  181 > 510
Area:  5, 1.00, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



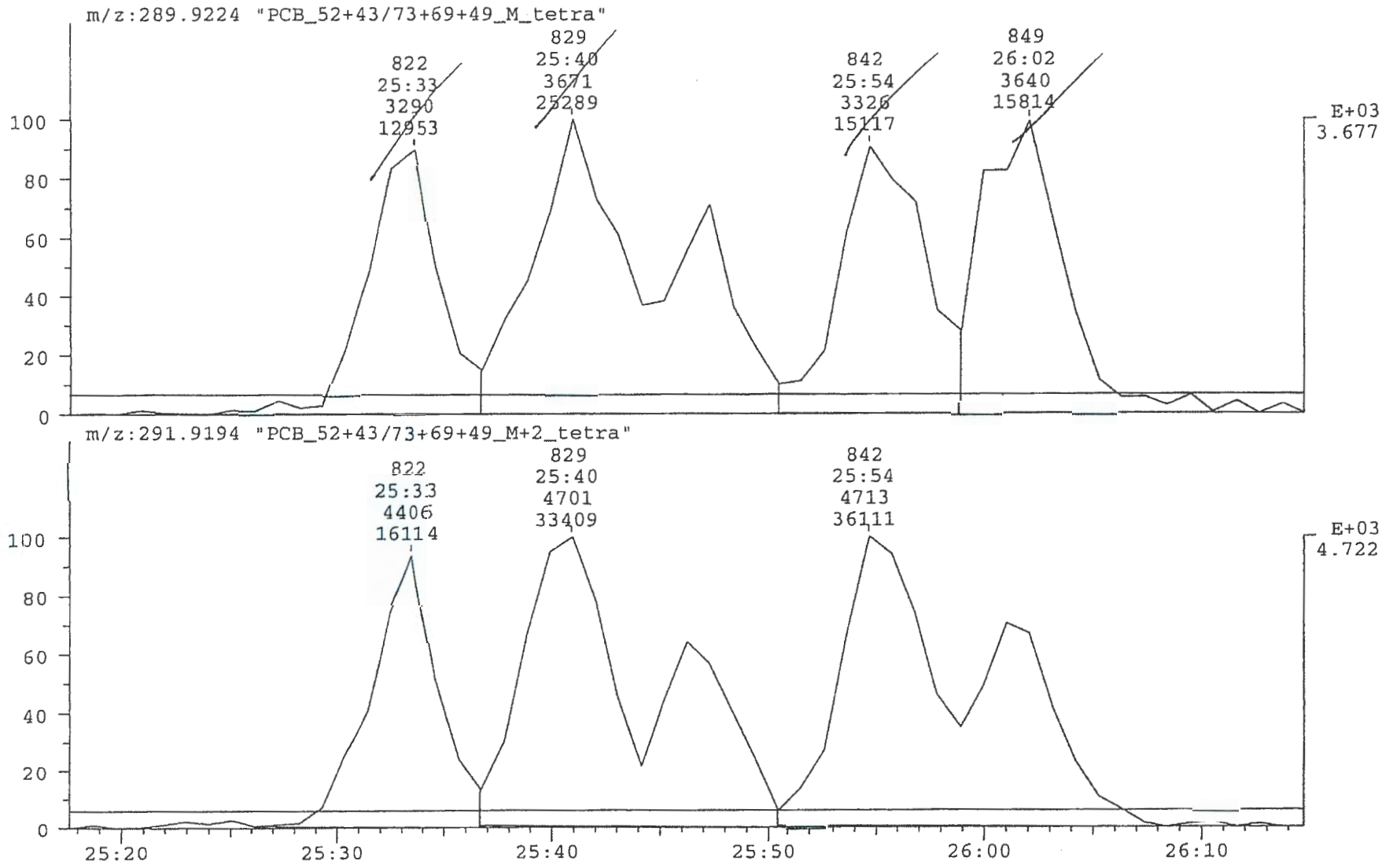
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  23:49.9      724
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37    2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC      Vial   3
Peak:  100.00  ppm      Label wndw:   656 > 782             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 9                Label :  -3, 3.0
Disp:  Height  Area
```



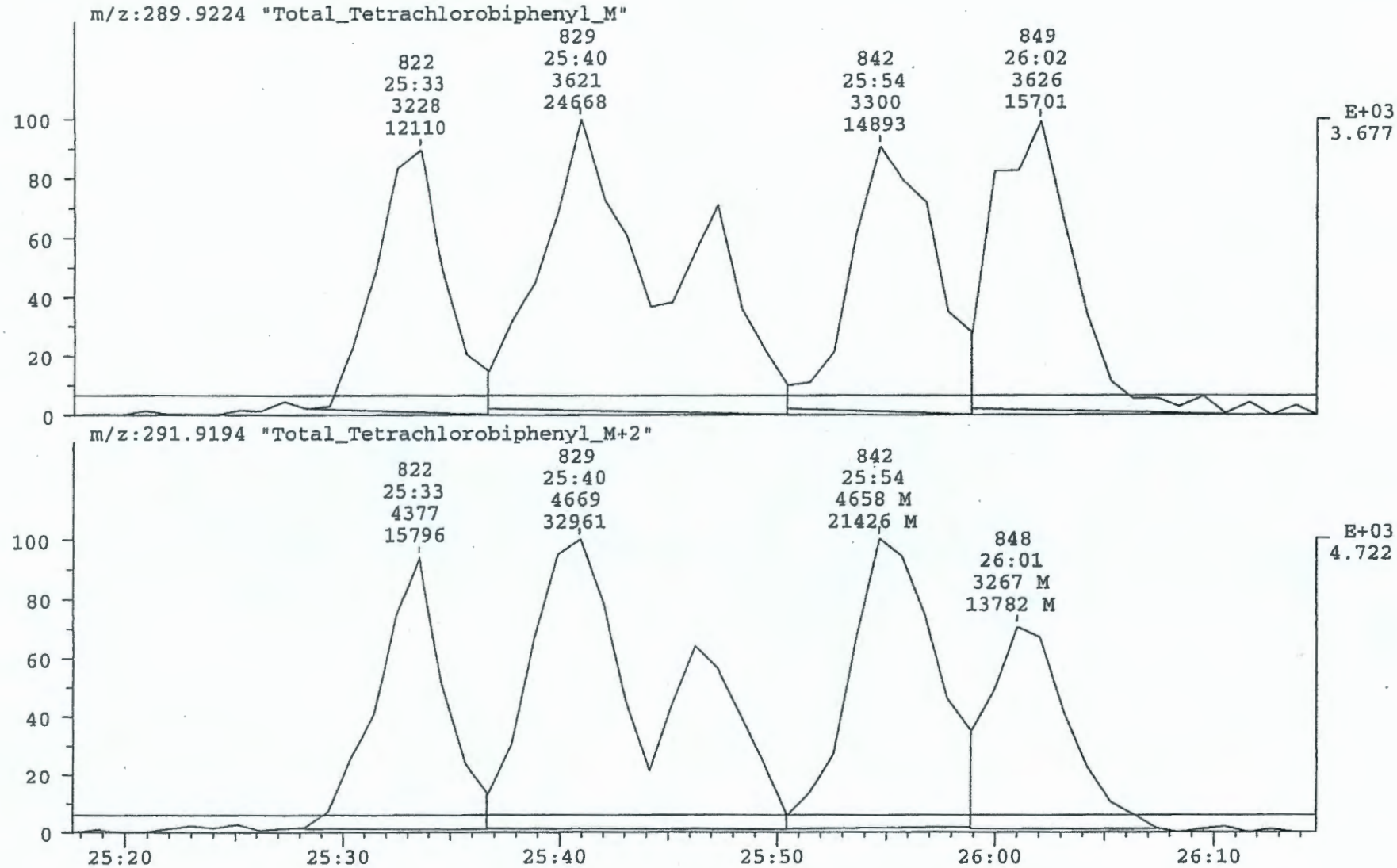
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   670 > 762             Masses:  181 > 510
Area:  5, 3.00, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



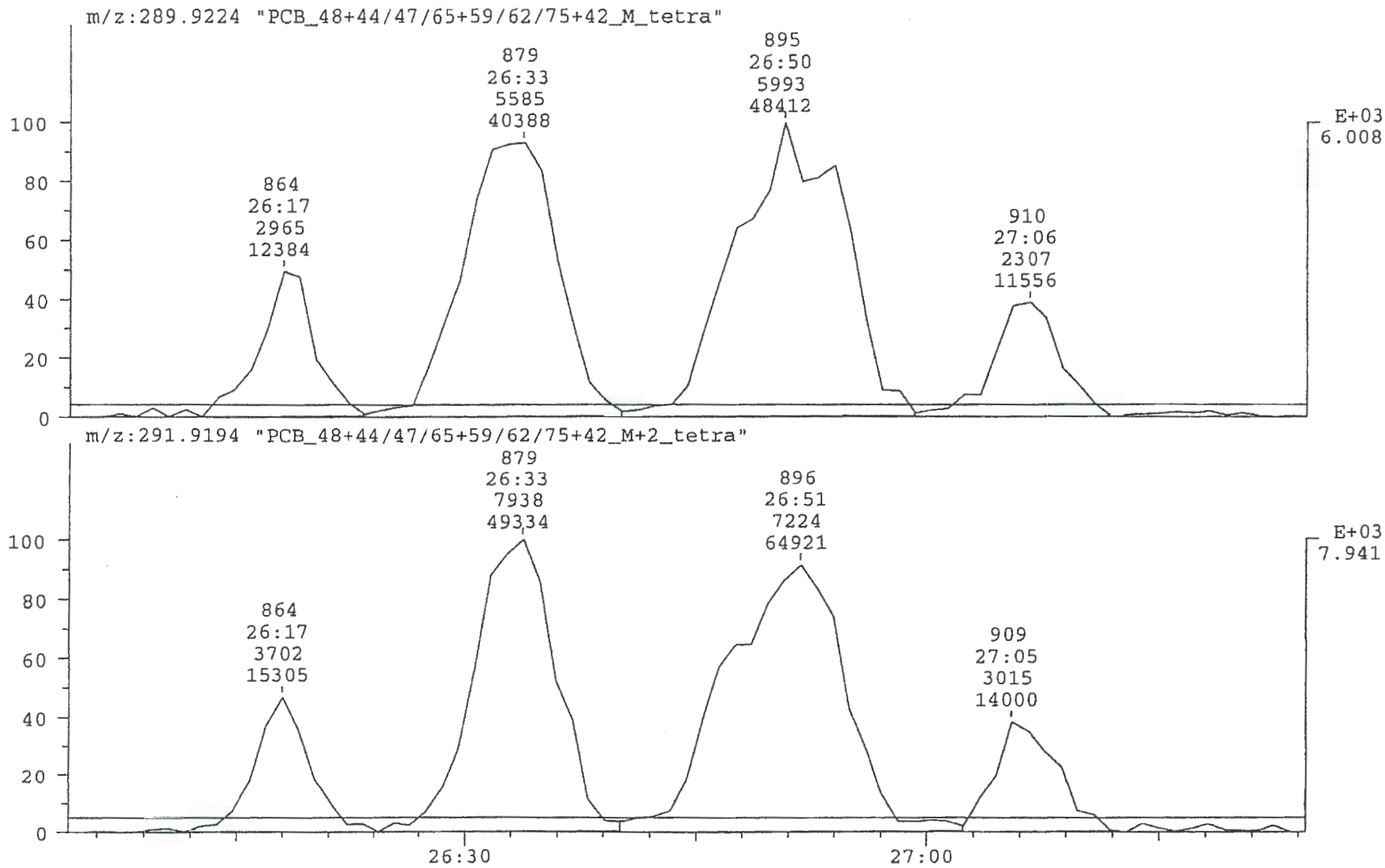
```
CHRO:  a07031316                                13-Mar-07   Elapse:  25:52.5      840
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   807 > 861            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 5                Label :  -3, 3.0
Disp:  Height  Area
```



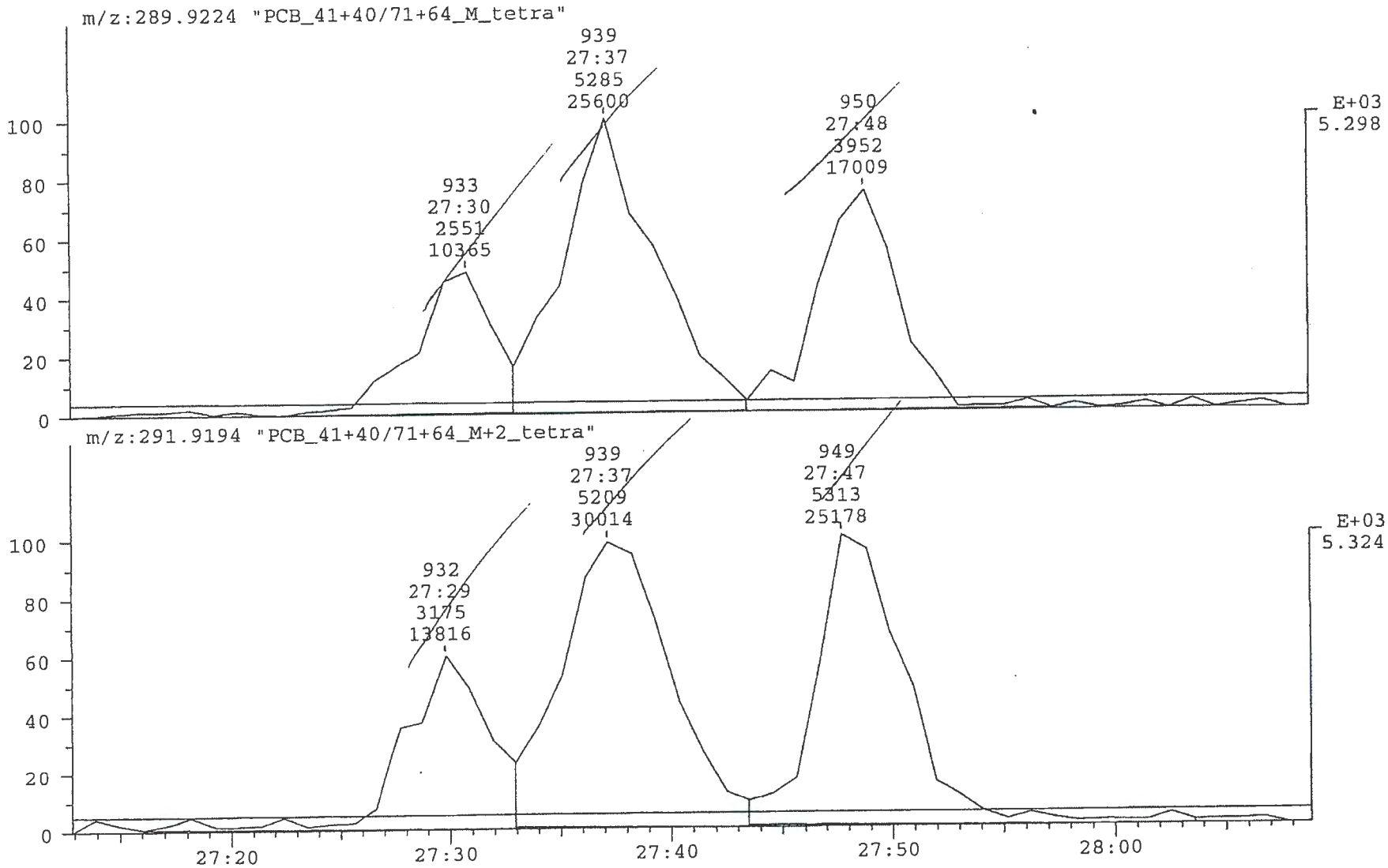
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   807 > 861             Masses:  181 > 510
Area:  5, 1.00, 15      Baseline  :   100, 5                Label :  -3, 3.0
Disp:  Height  Area
```



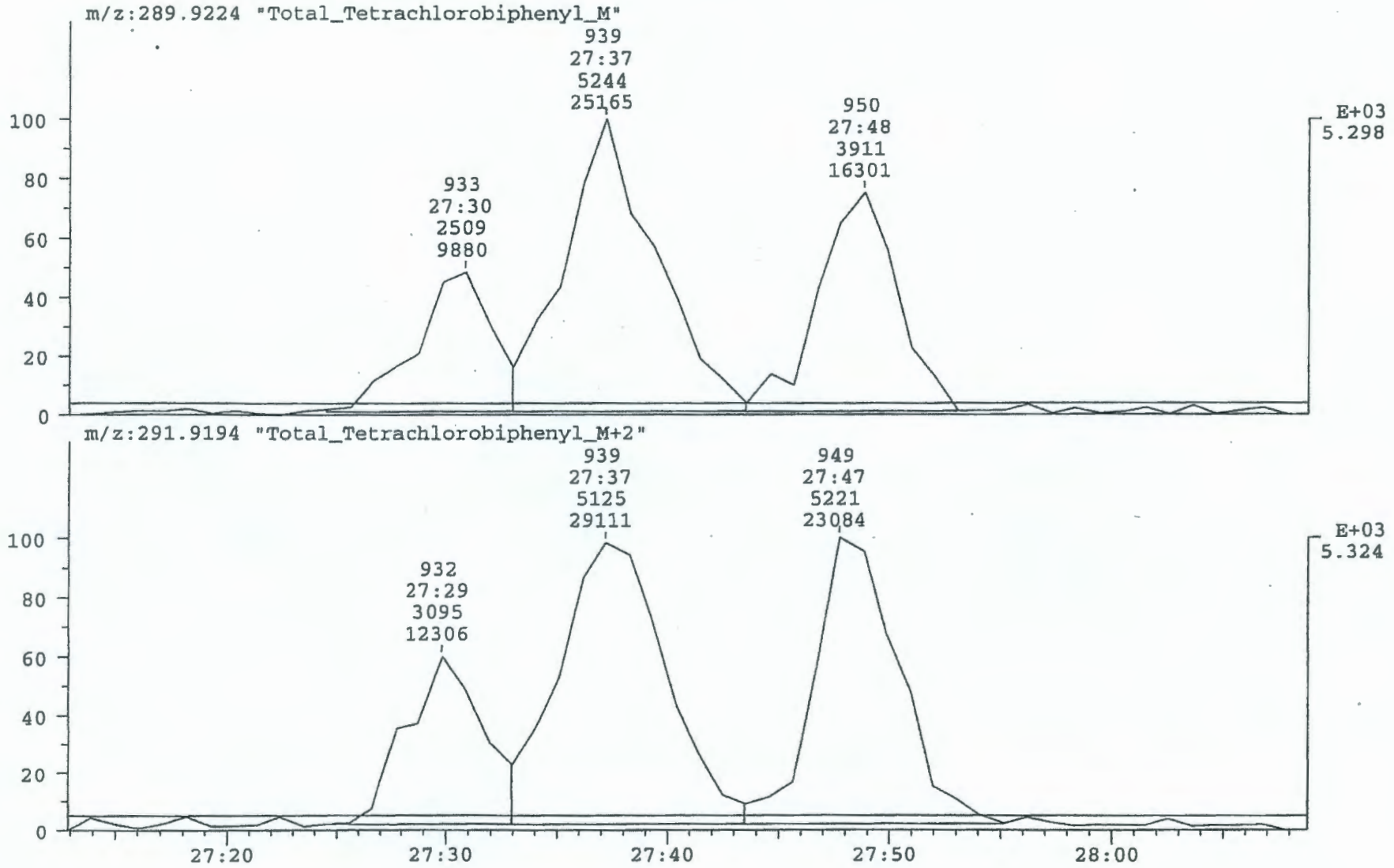
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  26:46.4      891
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   851 > 927            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



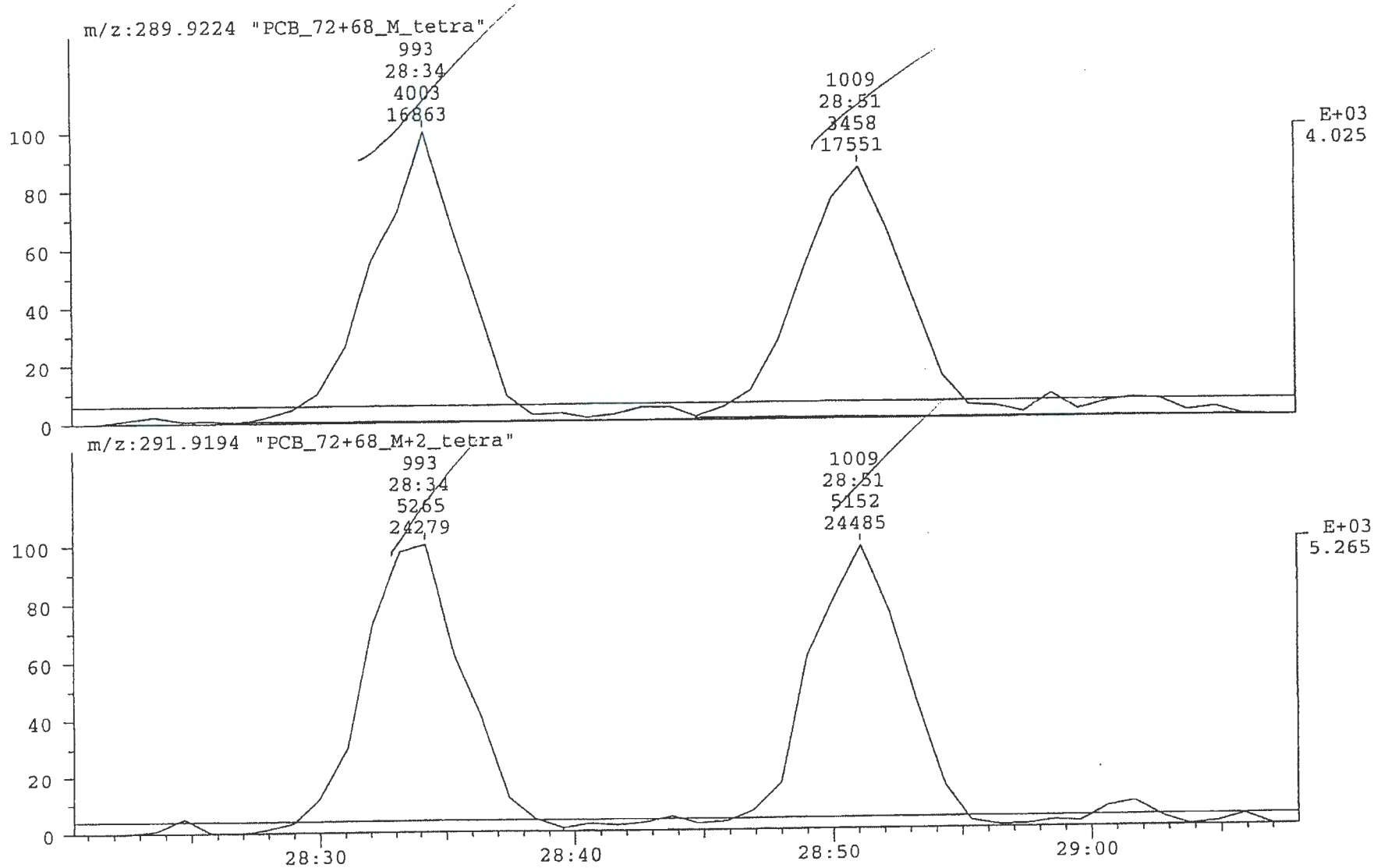
CHRO: a070313i6 13-Mar-07 Elapse: 27:46.7 948
Samp: Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1 Start : 17:42:37 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL CS0.5
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 916 > 969 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 2 Label : -3, 3.0
Disp: Height Area



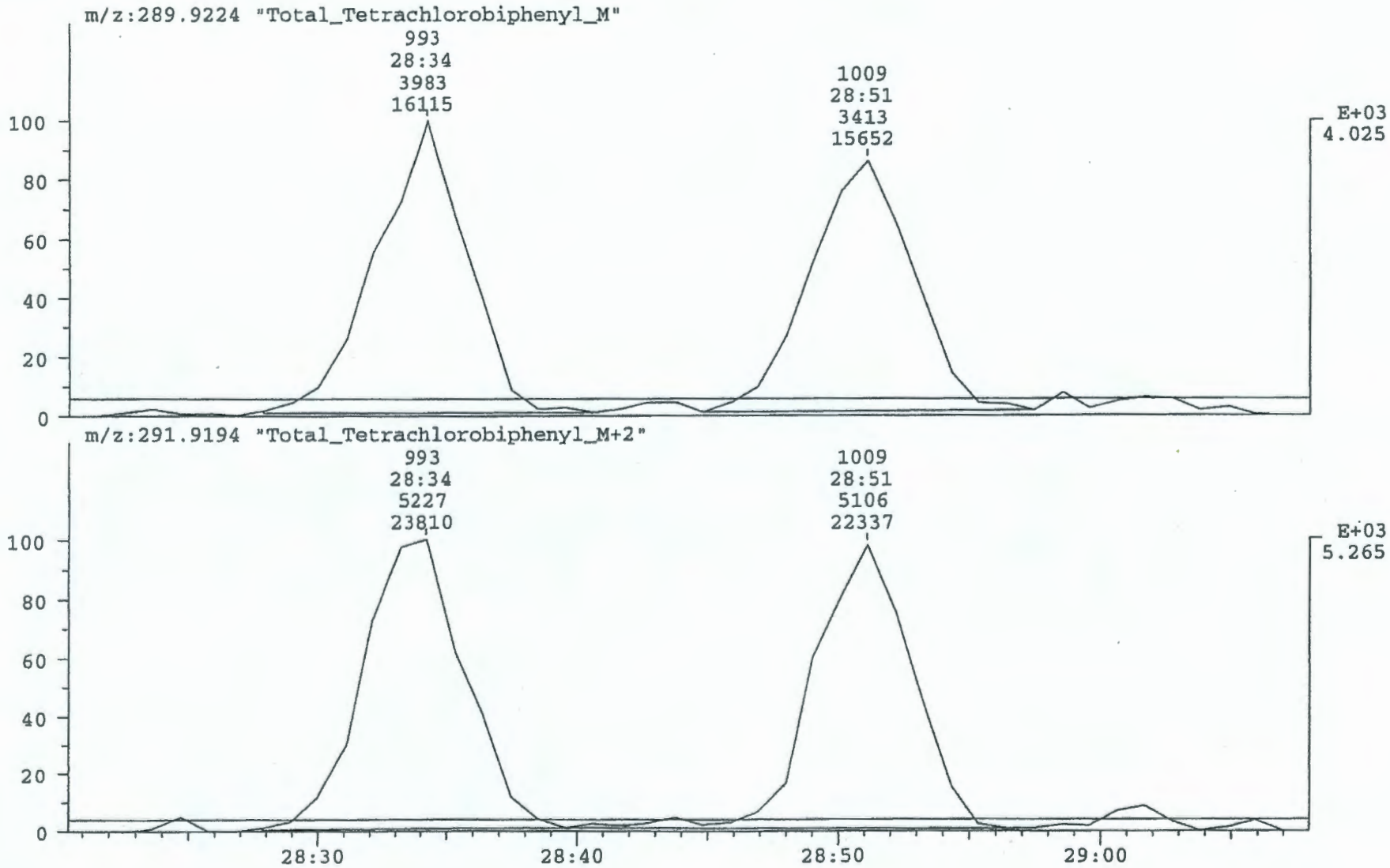
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   916 > 969             Masses:  181 > 510
Area:  5, 1.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



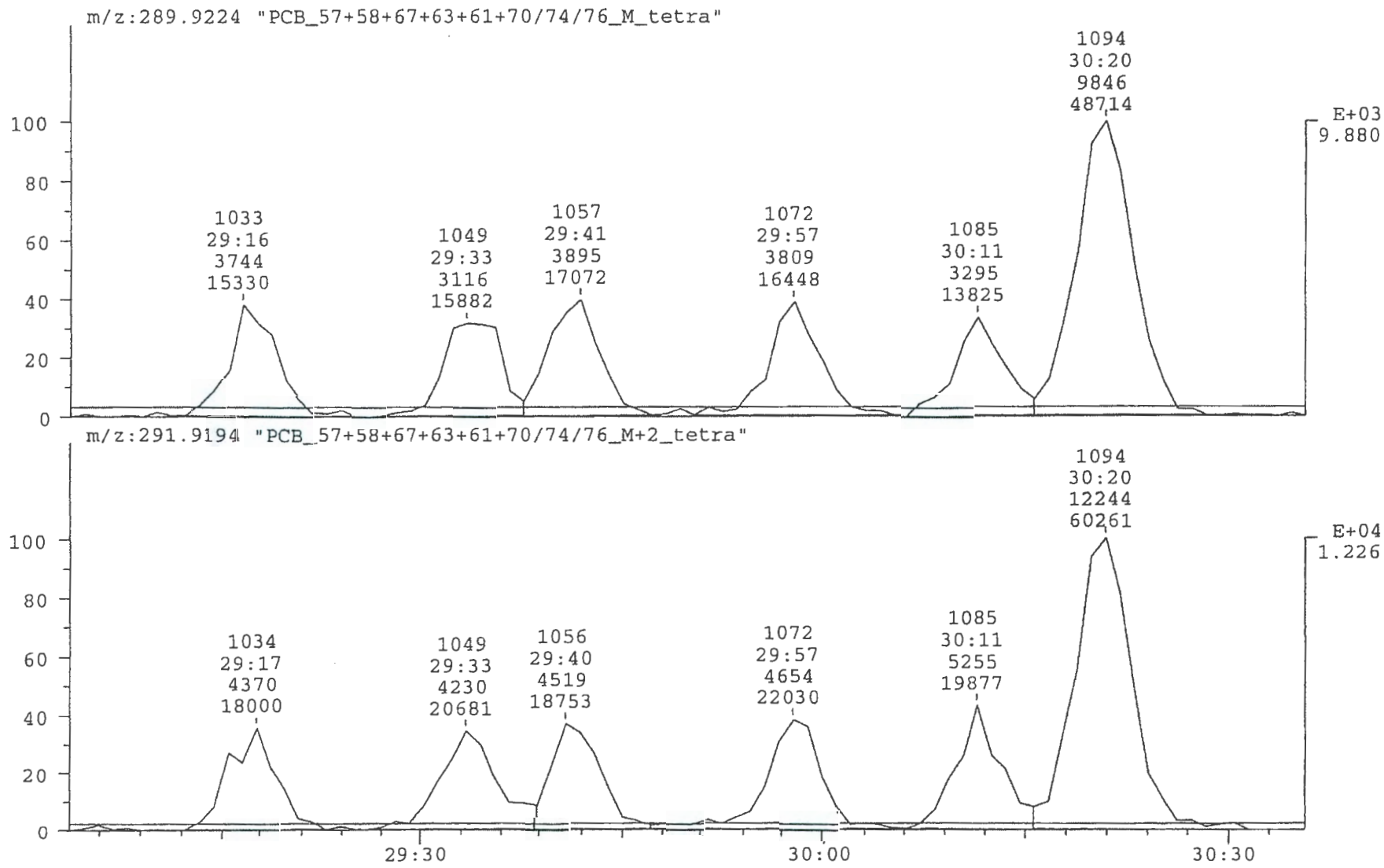
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  28:46      1005
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   980 > 1025            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 1                Label :  -3, 3.0
Disp:  Height  Area
```



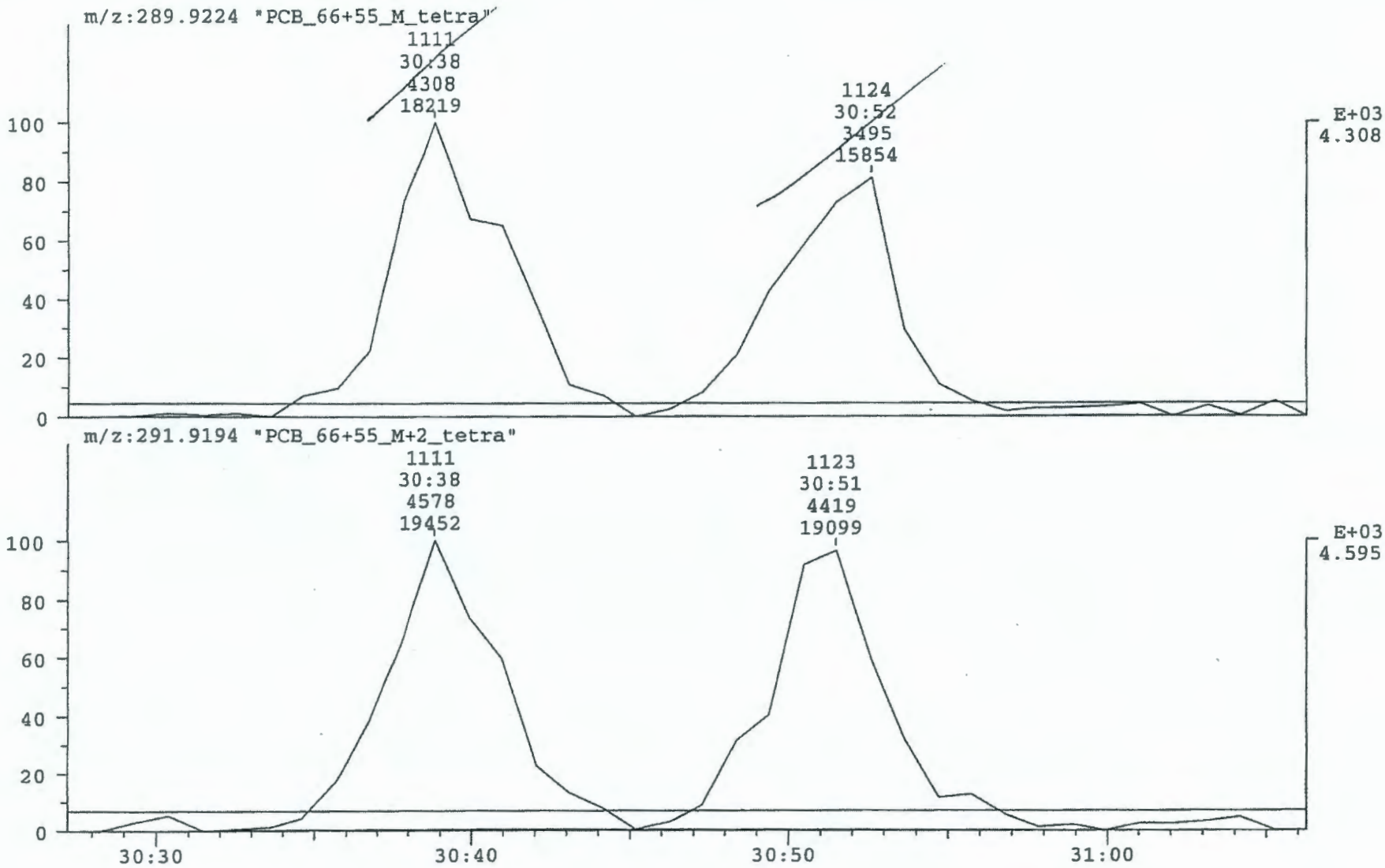
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   980 > 1025            Masses:  181 > 510
Area:  5, 1.00, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



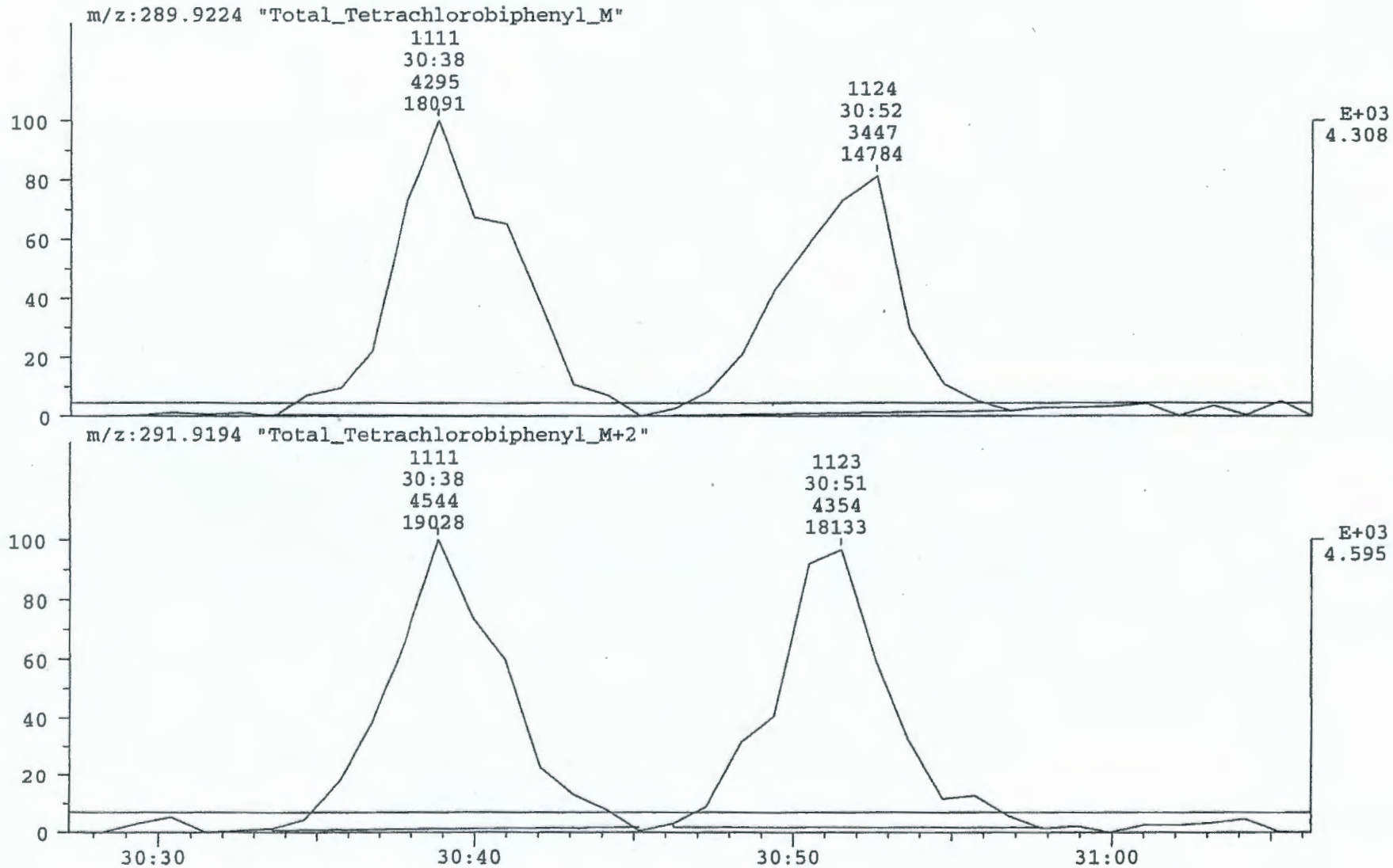
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  29:53      1068
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1021 > 1108          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



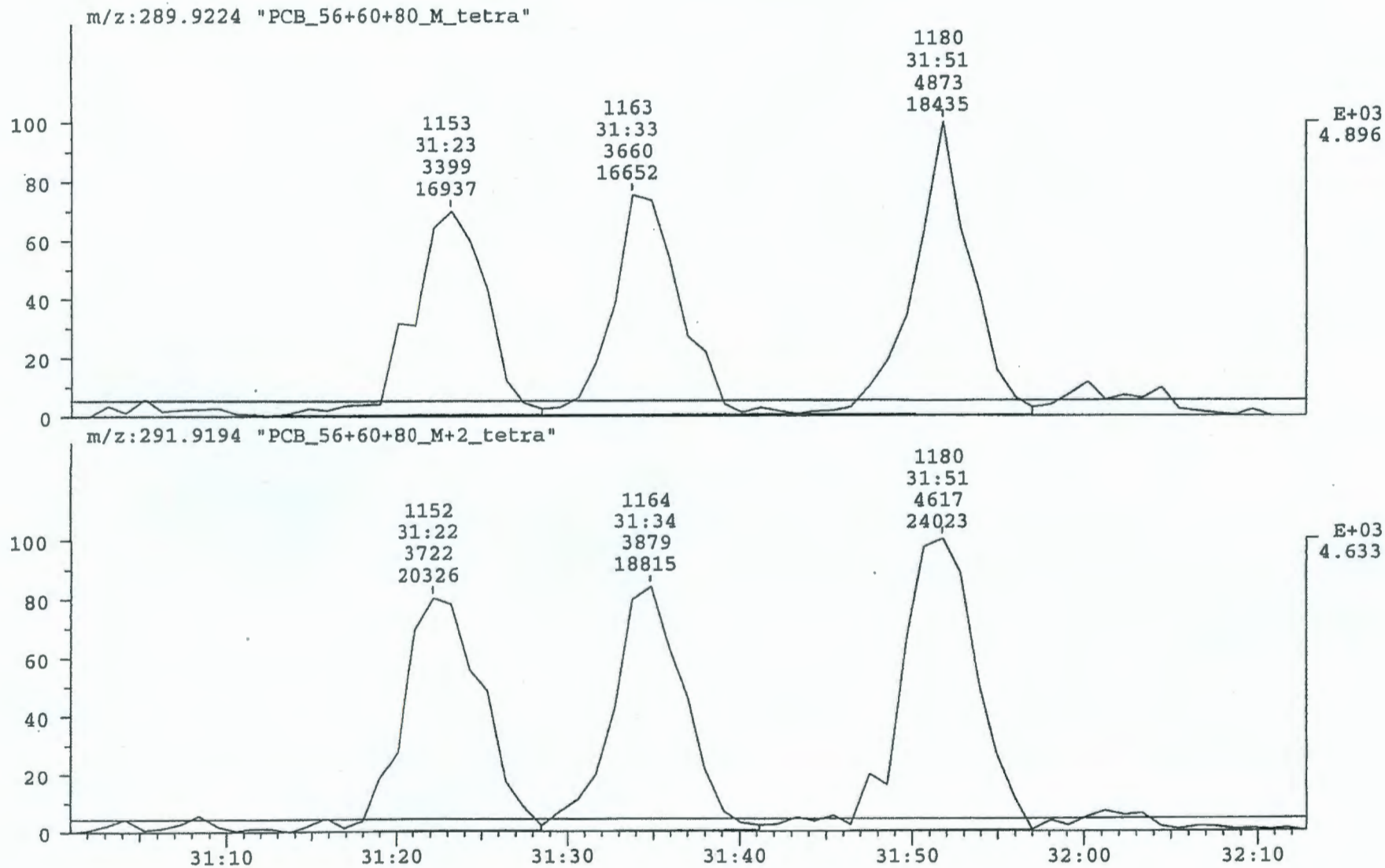
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  30:50      1122
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC'    Vial   3
Peak:  100.00  ppm      Label wndw:   1100 > 1137          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



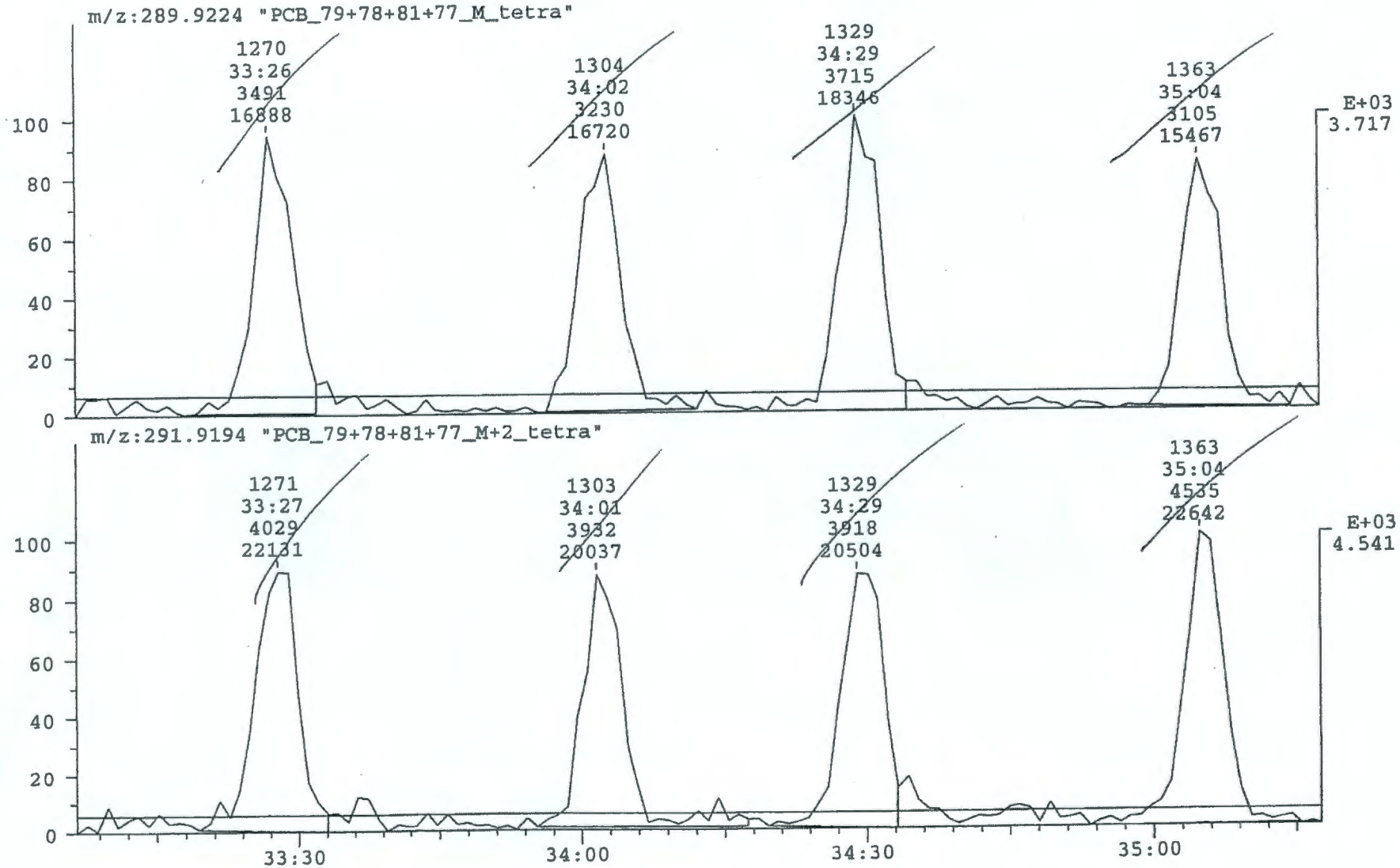
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1100 > 1137           Masses:  181 > 510
Area:  5, 1.40, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



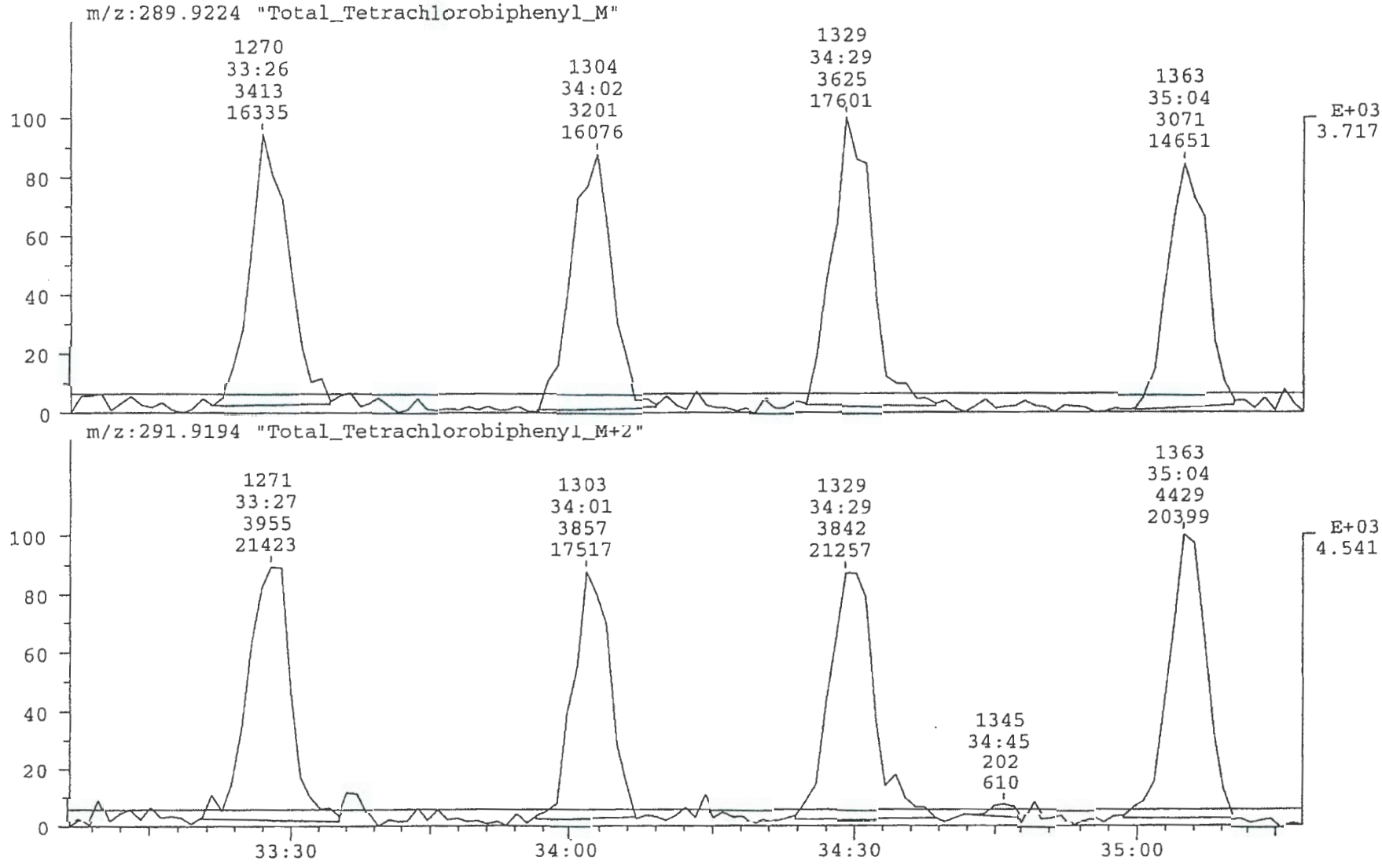
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  31:41      1170
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1132 > 1200          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



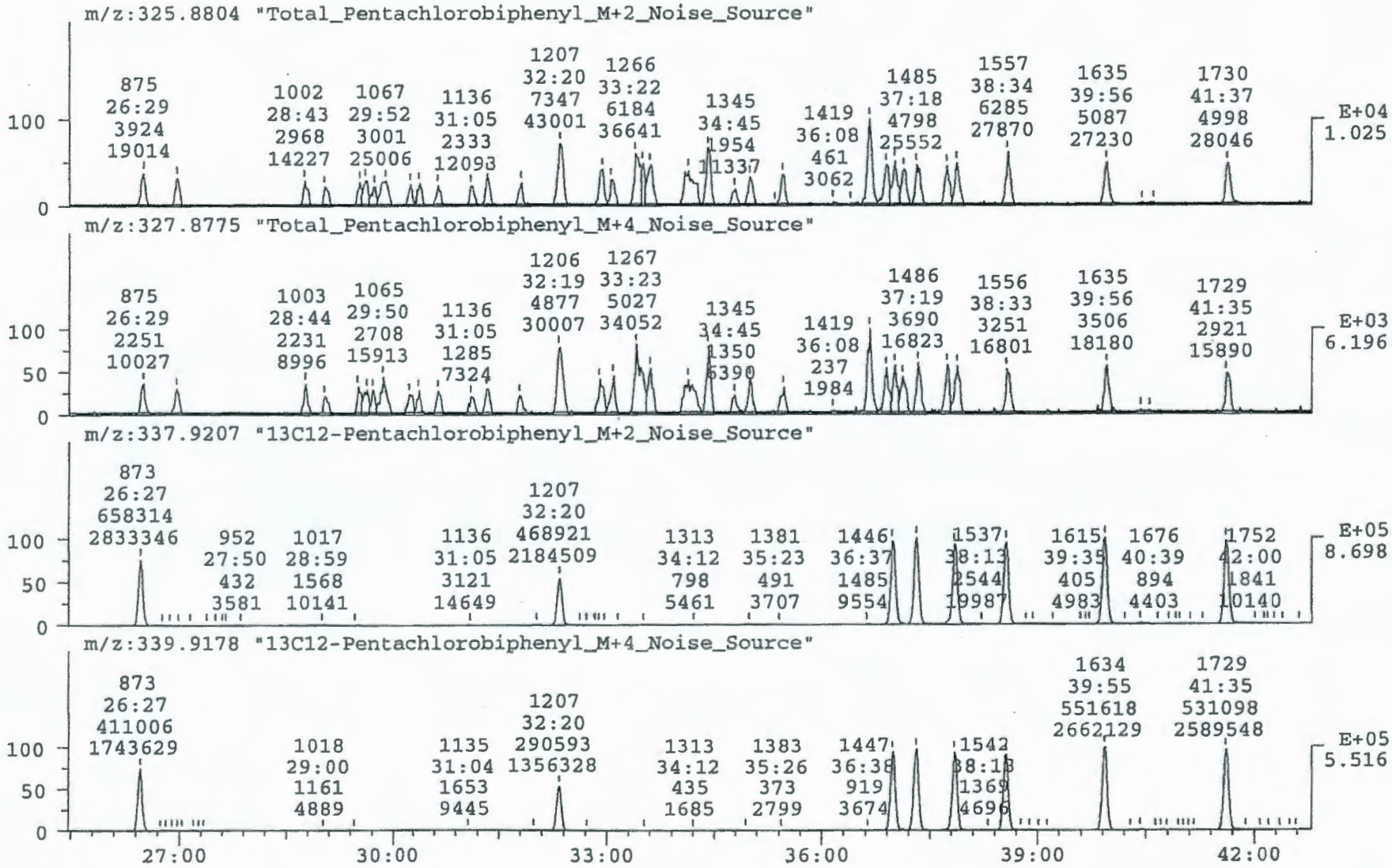
CHRO: a070313i6 13-Mar-07 Elapse: 34:14 1315
Samp: Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1 Start : 17:42:37 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL CS0.5
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1251 > 1375 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 1 Label : -3, 3.0
Disp: Height Area



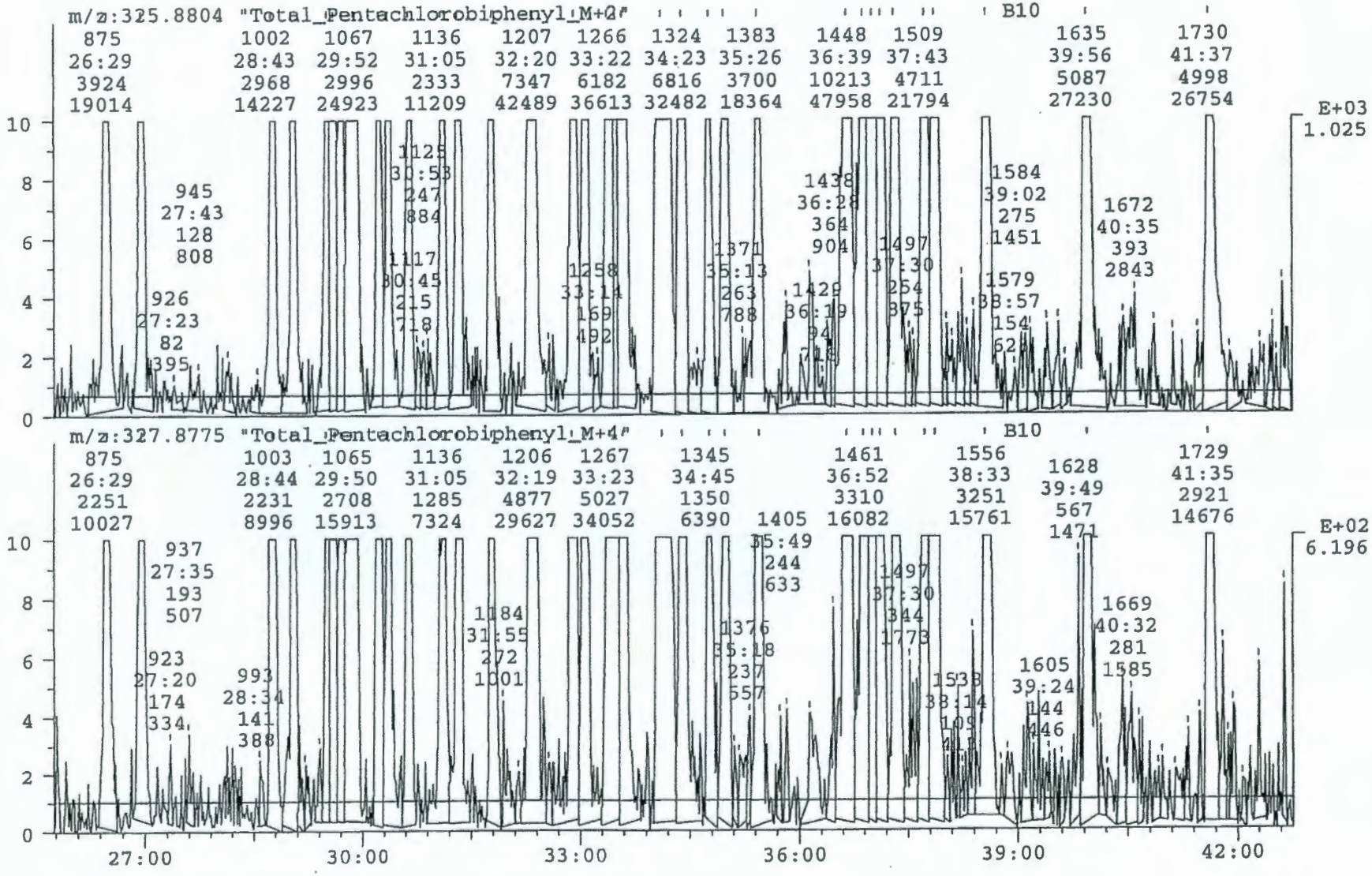
```
CHRO:  a070313i6                              13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1              Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1251 > 1375         Masses:  181 > 510
Area:  5, 2.00, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



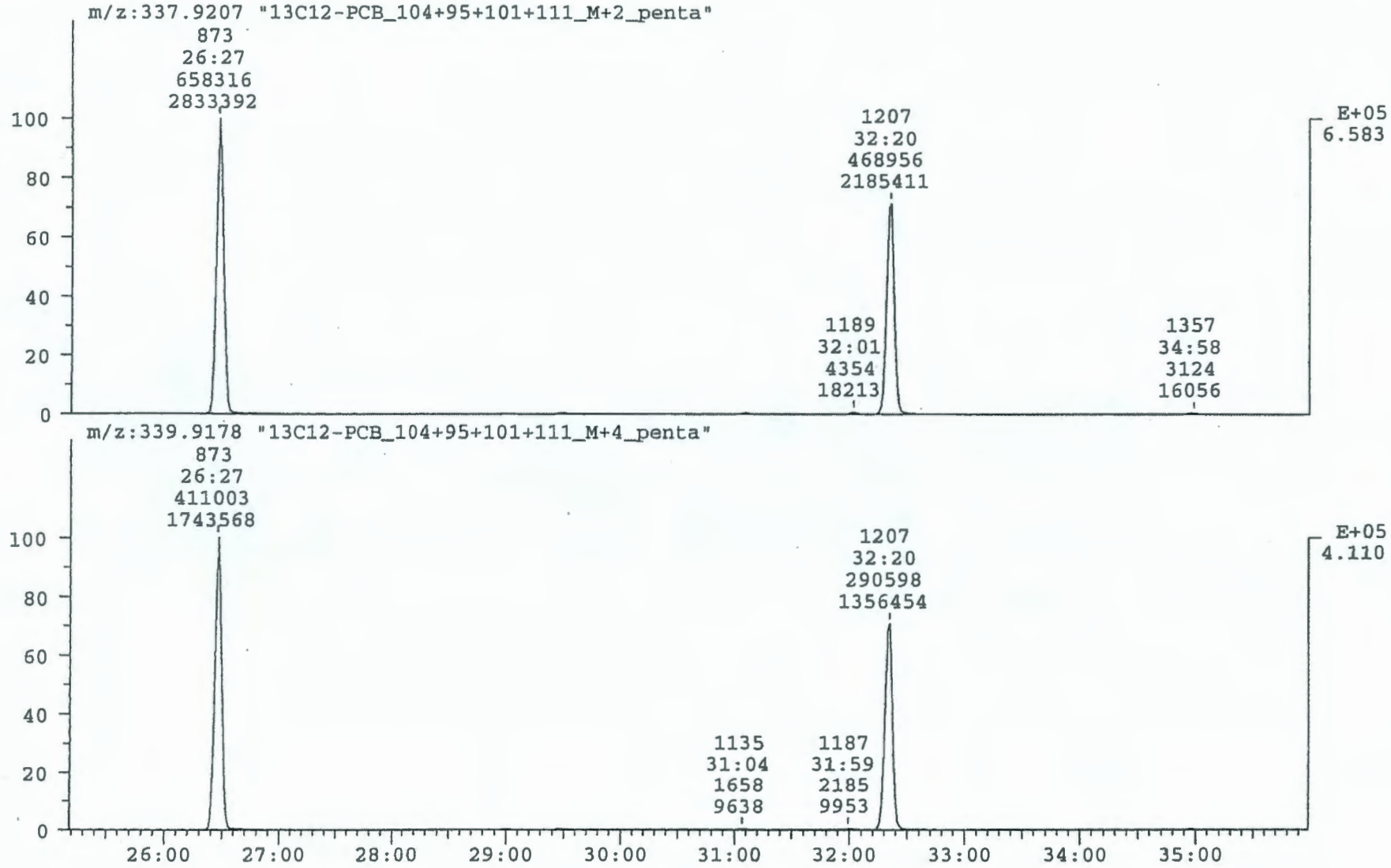
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  34:07      1309
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   817 > 1797            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



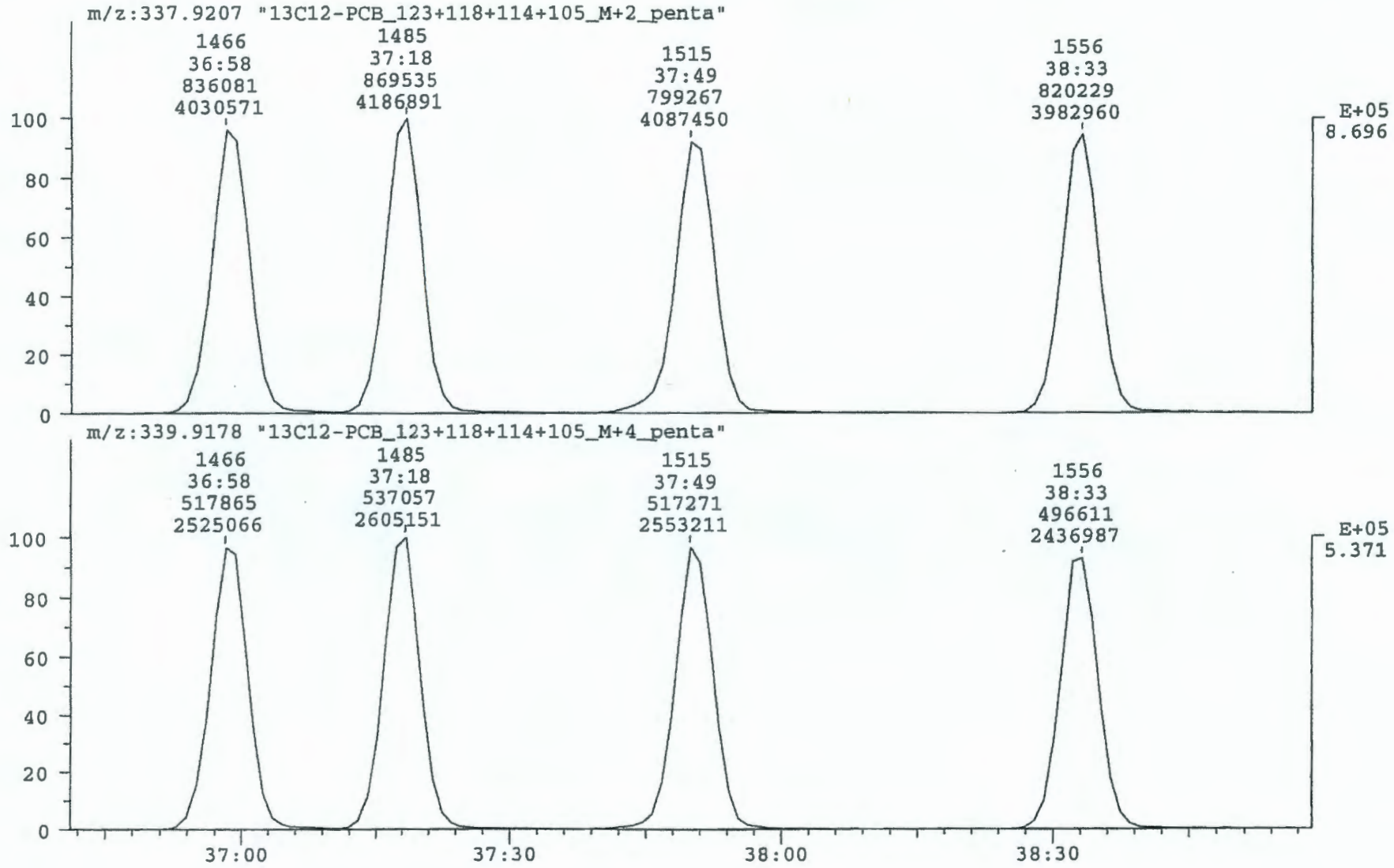
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   834 > 1795            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 1.0
Disp:  Height  Area
```



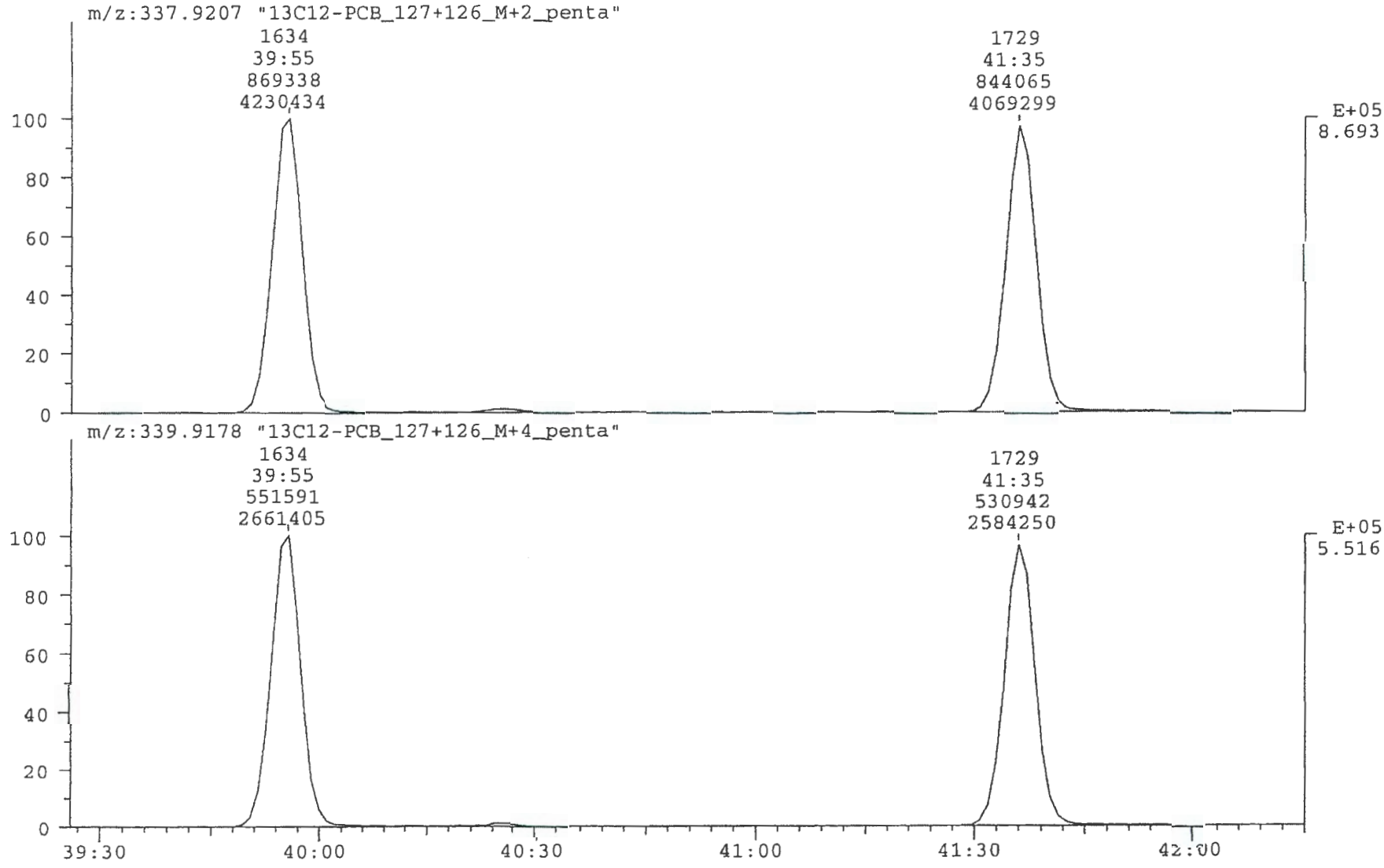
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  30:34      1107
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   801 > 1414           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



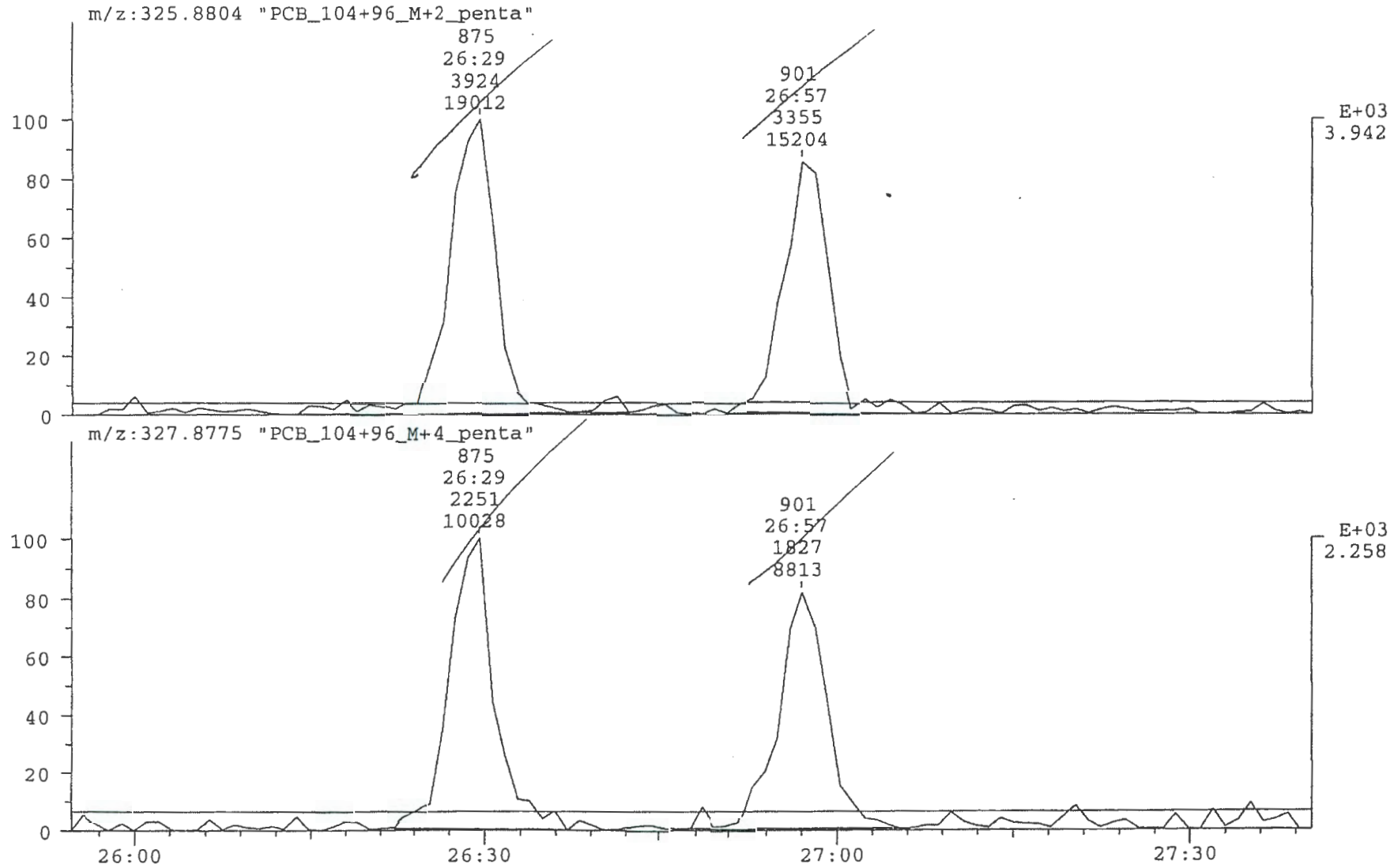
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  37:49      1515
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1450 > 1580          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



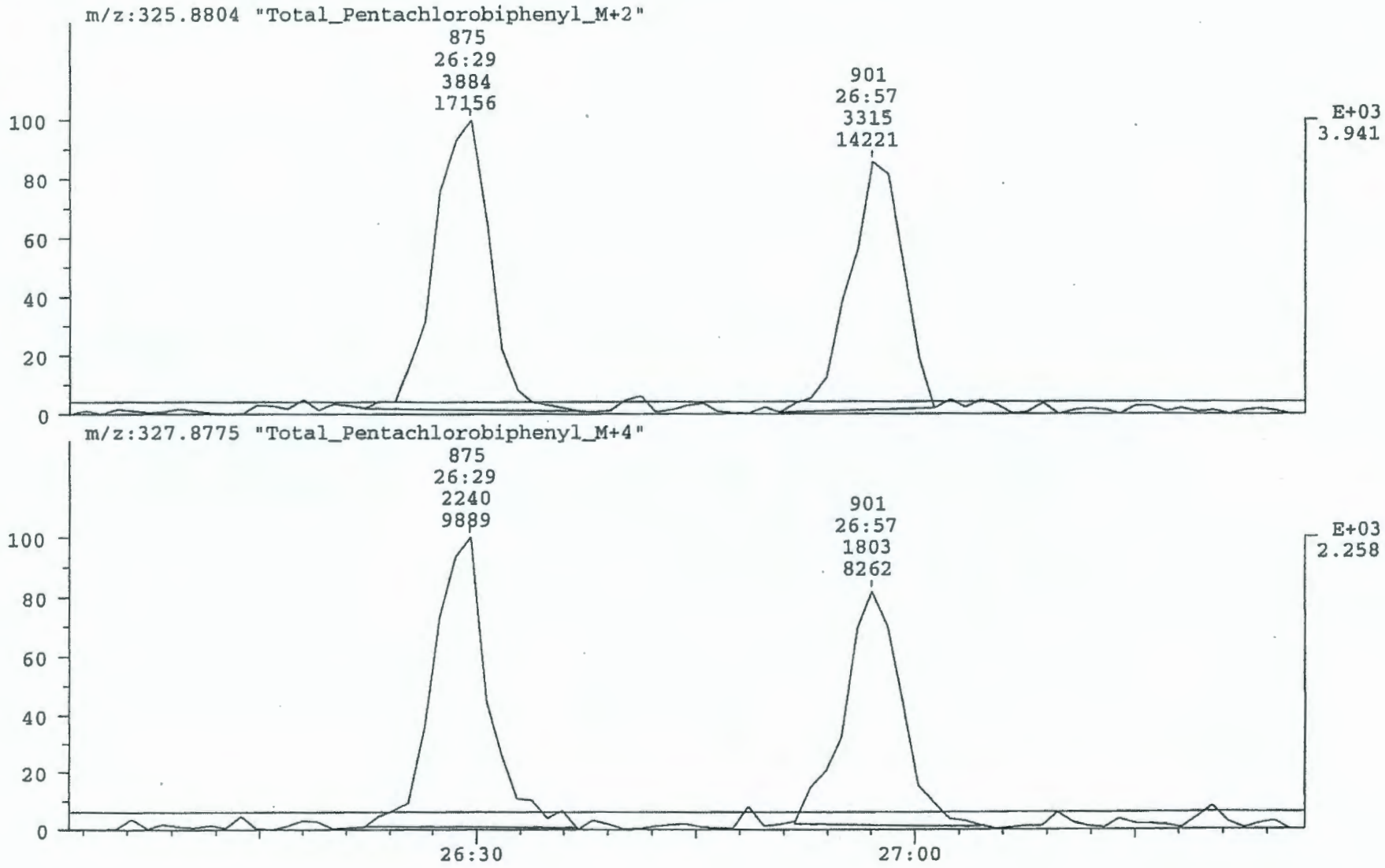
```
CHRO:  a070313i6                              13-Mar-07   Elapse:  40:50      1686
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1              Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   1606 > 1766          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



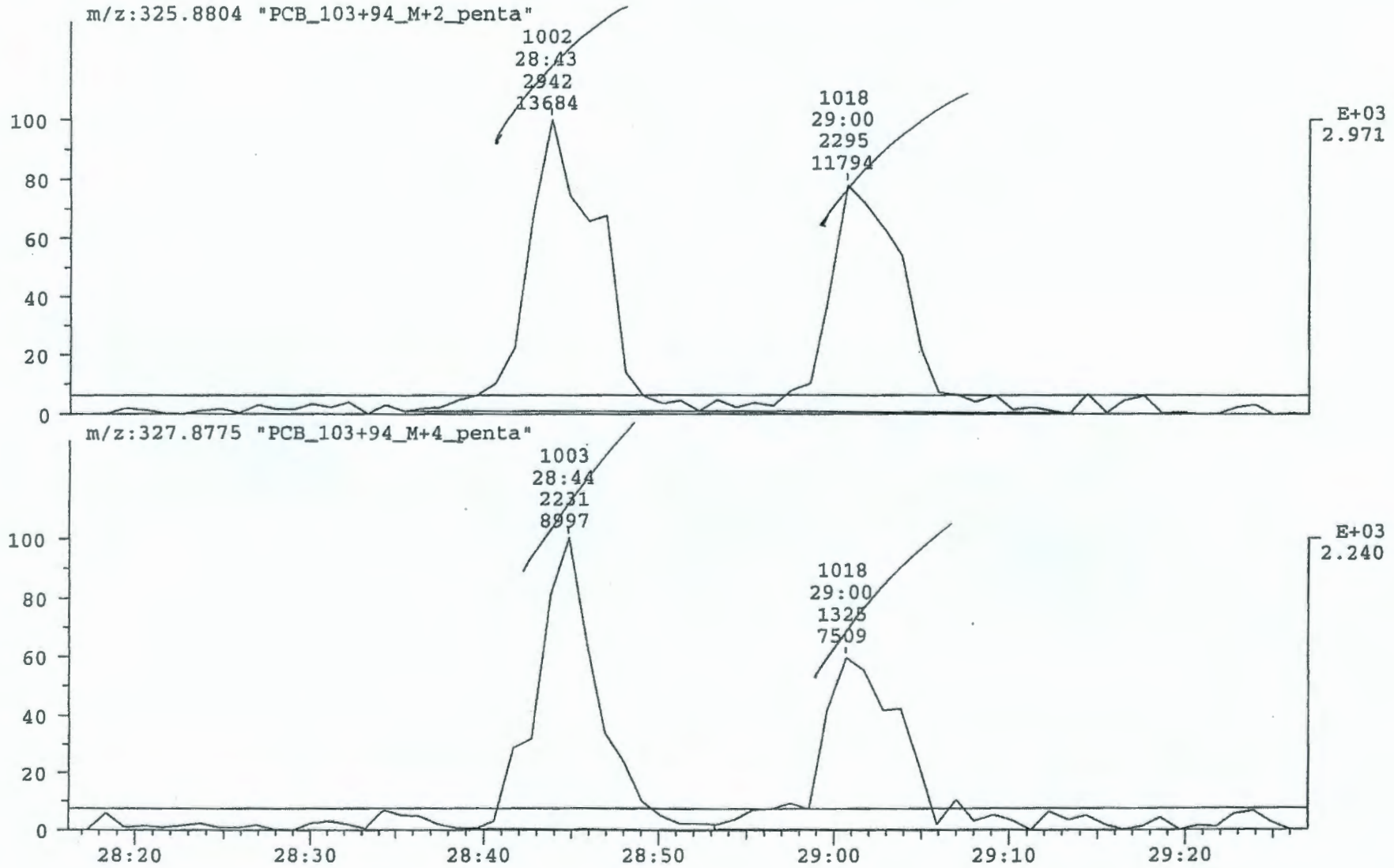
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  26:47.5      892
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   842 > 942             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



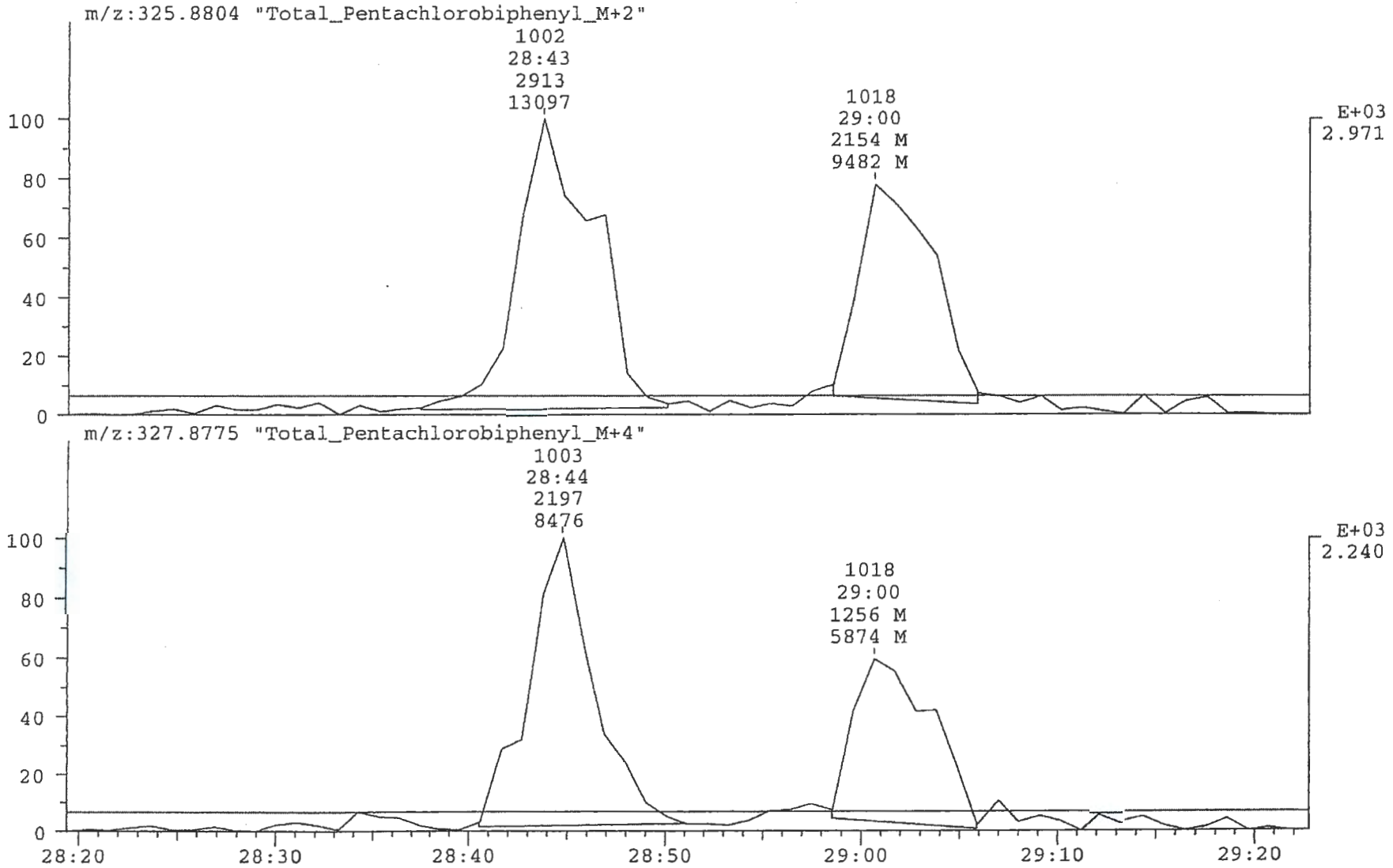
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   849 > 929             Masses:  181 > 510
Area:  5, 1.40, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



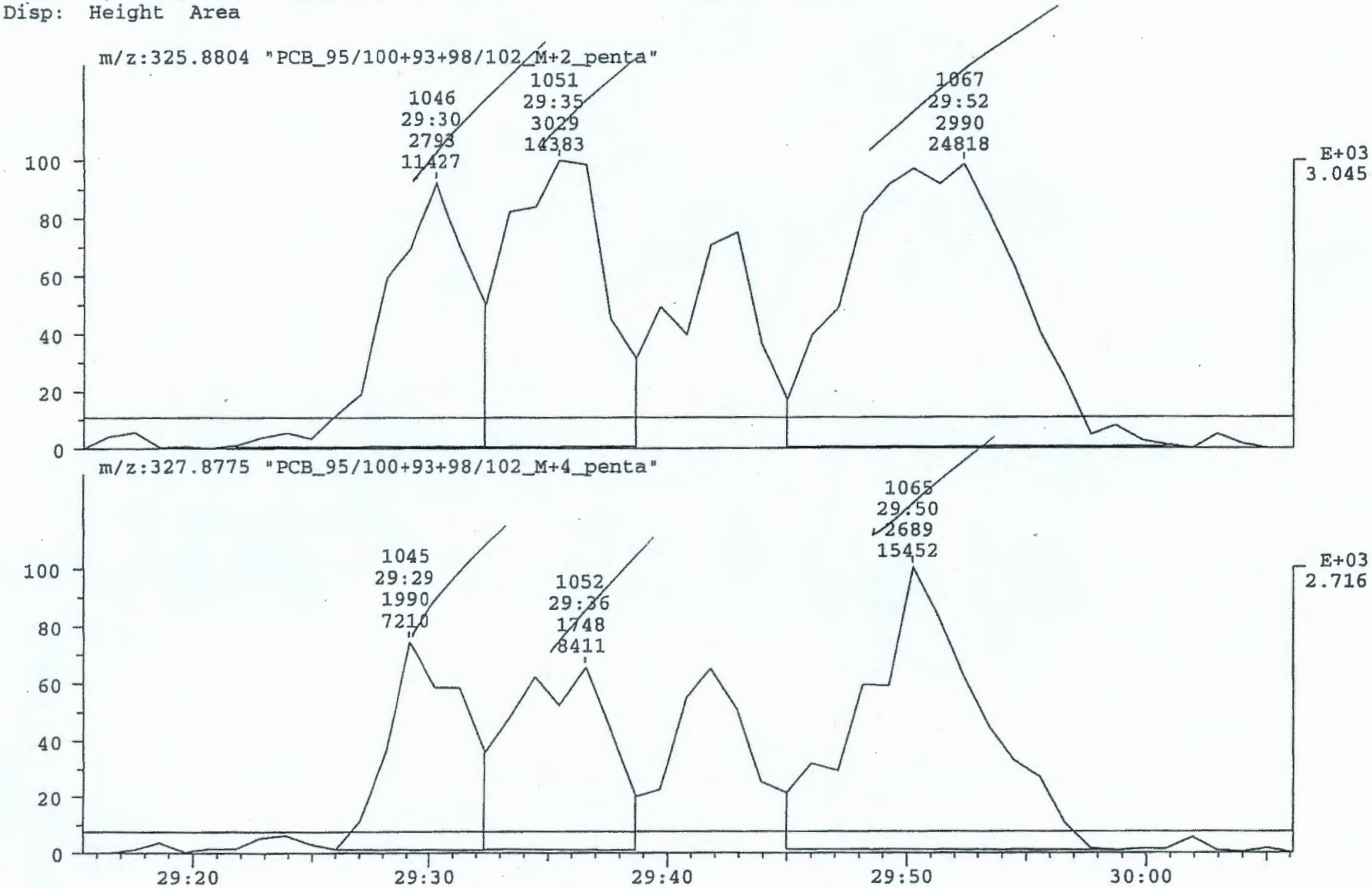
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  28:58      1016
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   976 > 1043           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



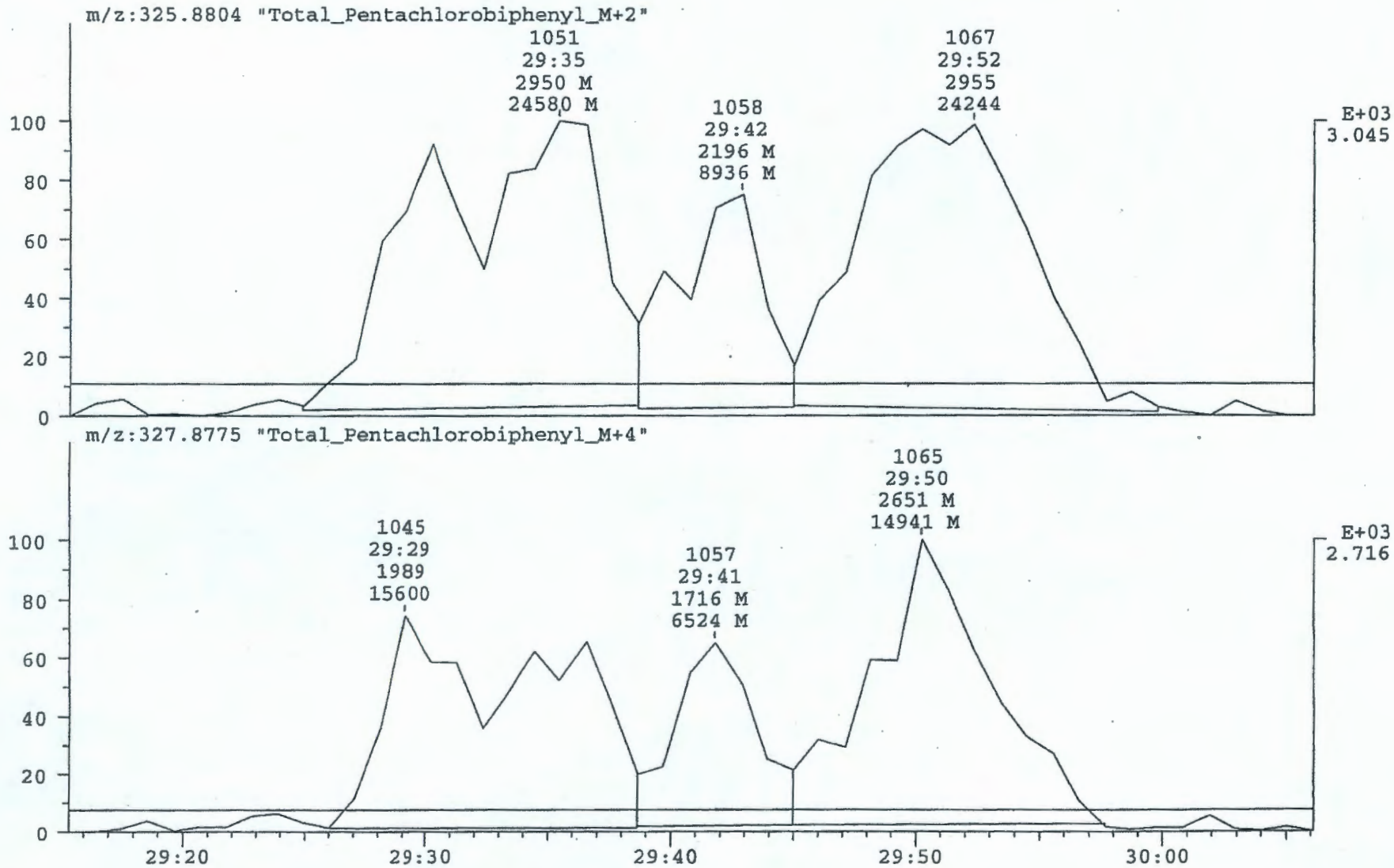
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   979 > 1039            Masses:  181 > 510
Area:  5, 2.00, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



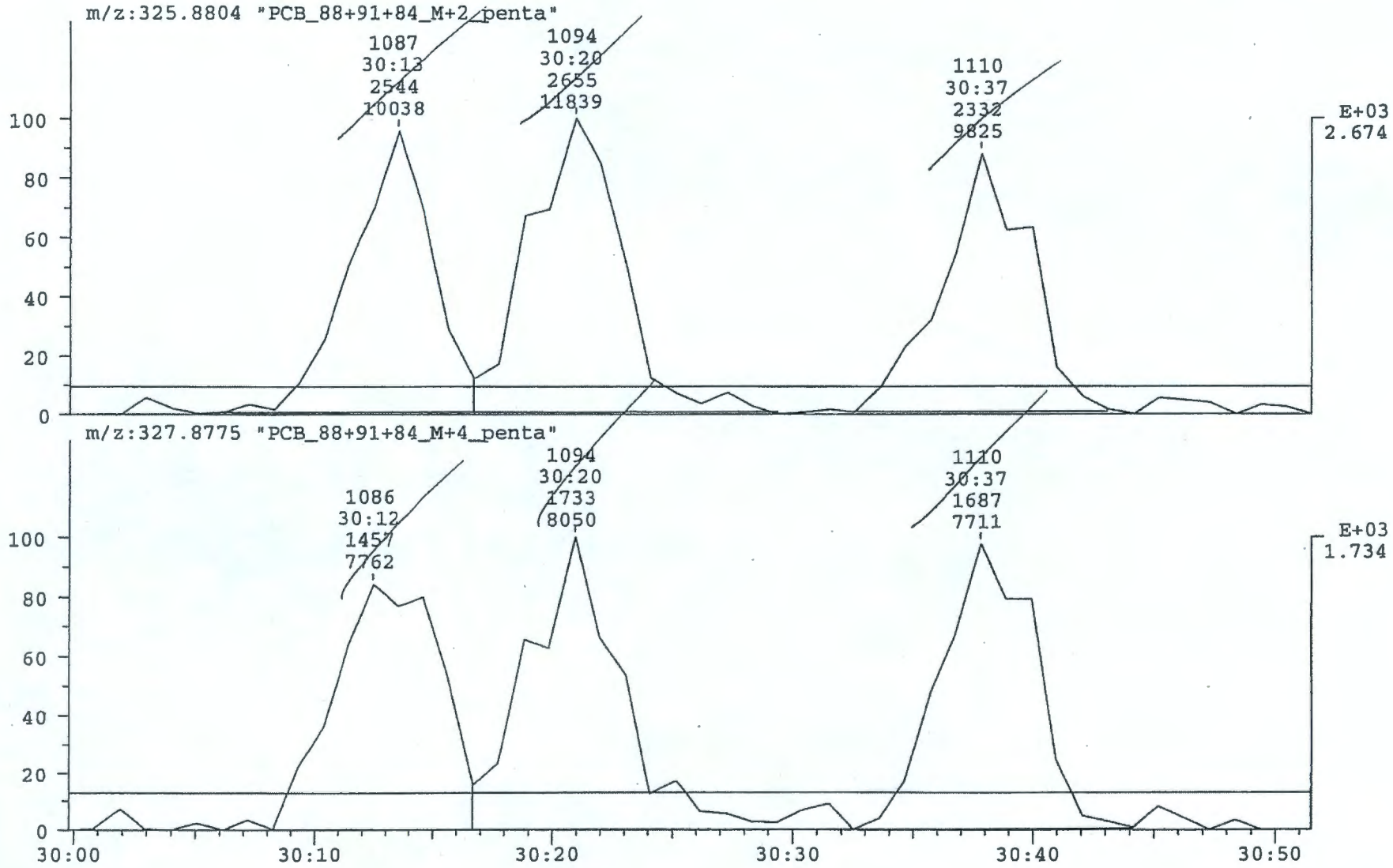
CHRO: a070313i6 13-Mar-07 Elapse: 29:43 1059
Samp: Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1 Start : 17:42:37 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL CS0.5
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1032 > 1080 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 4 Label : -3, 3.0
Disp: Height Area



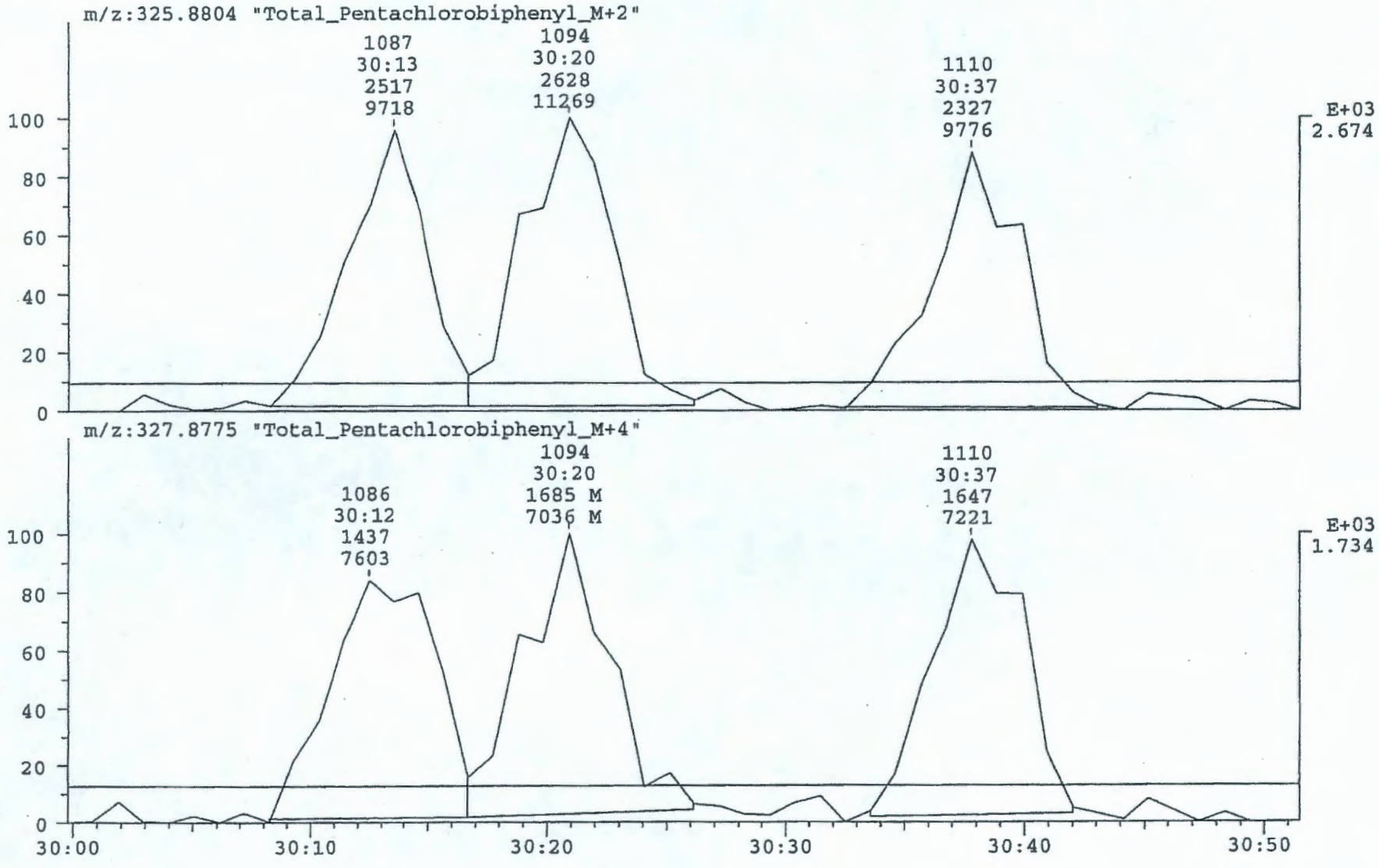
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1032 > 1080          Masses:  181 > 510
Area:  5, 1.00, 15      Baseline  :   100, 7               Label :  -3, 3.0
Disp:  Height  Area
```



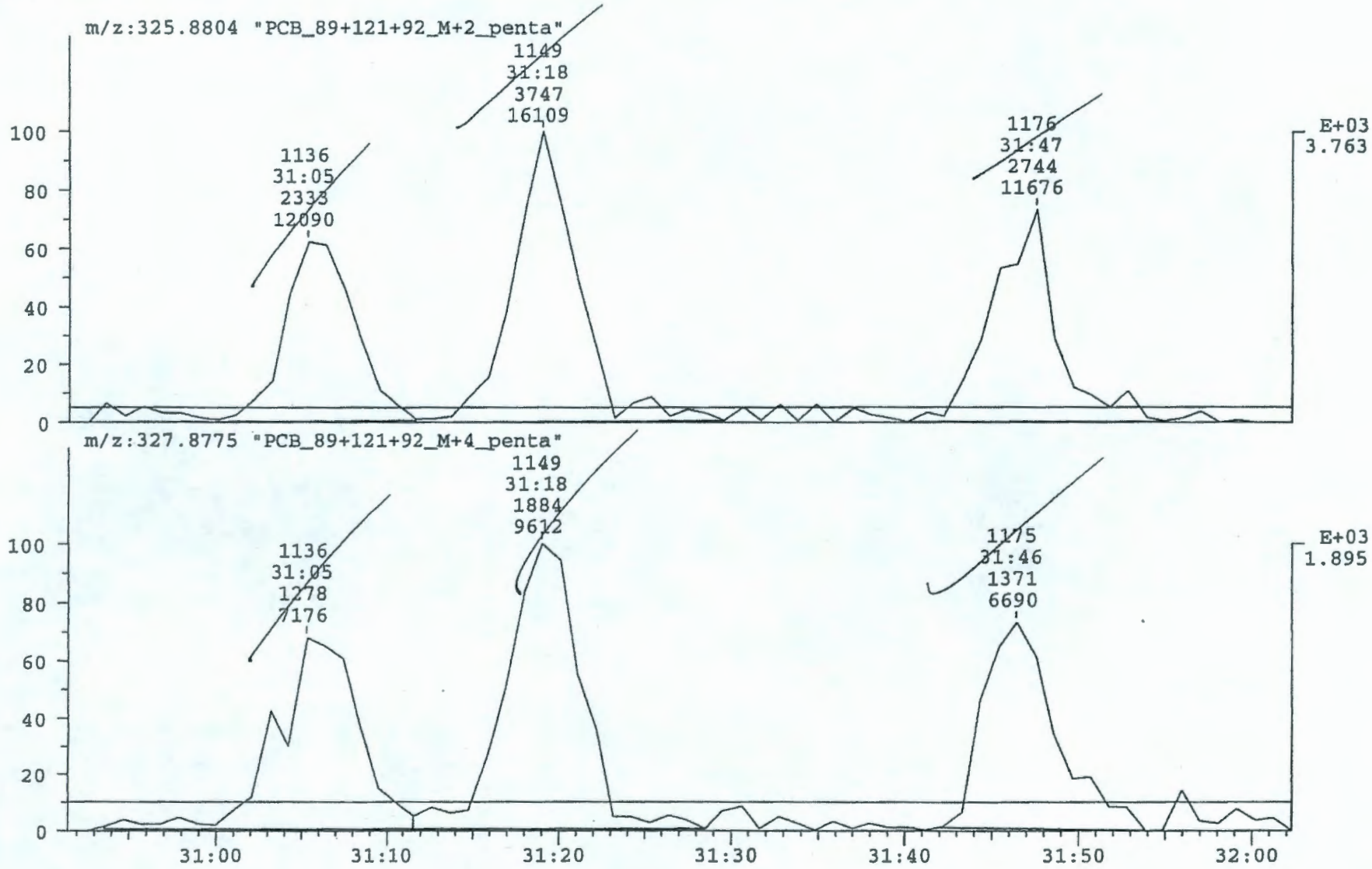
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  30:30      1103
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1074 > 1123          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 2                Label :  -3, 3.0
Disp:  Height  Area
```



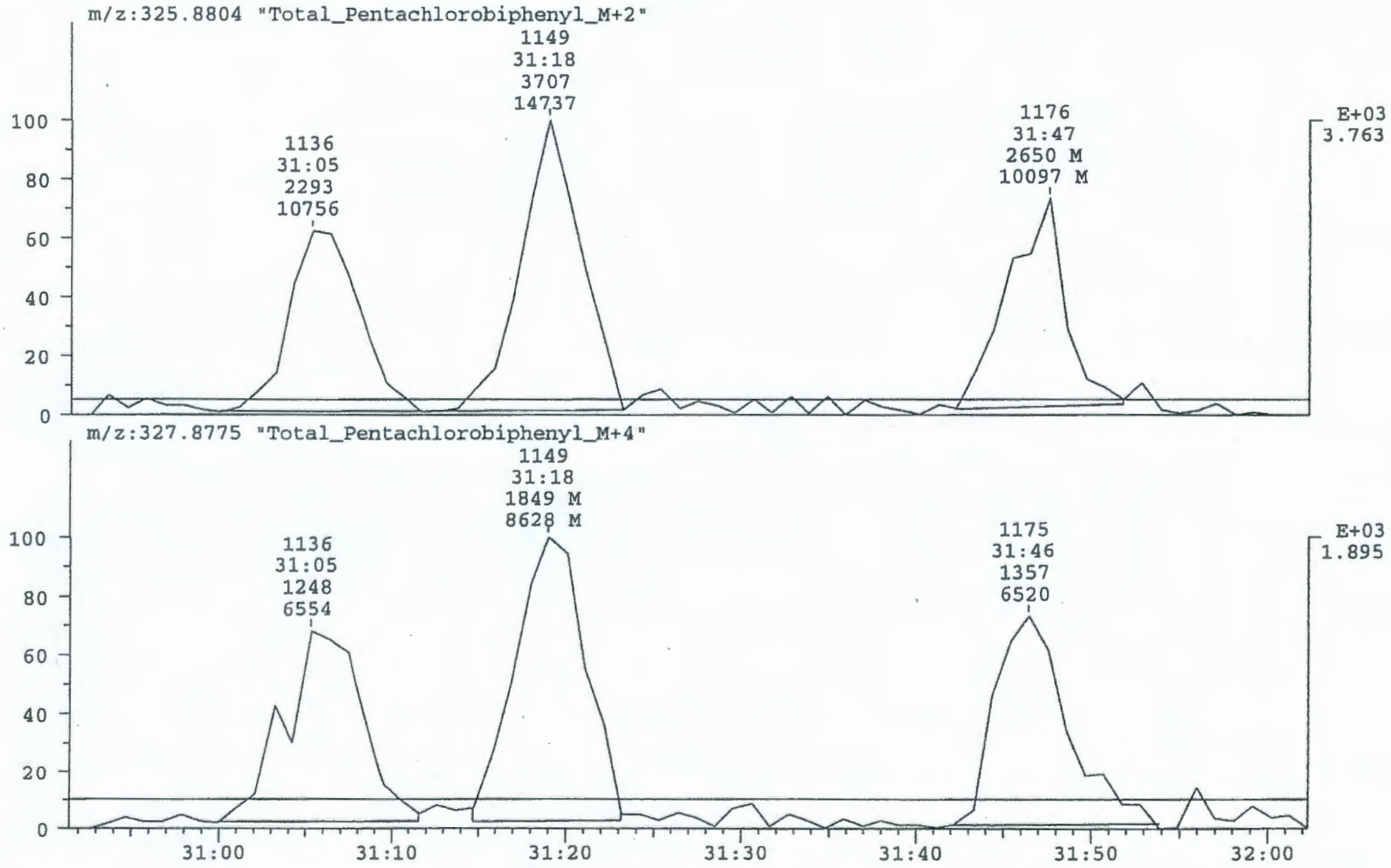
```
CHRO:  a07031316                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1074 > 1123           Masses:  181 > 510
Area:  5, 1.20, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



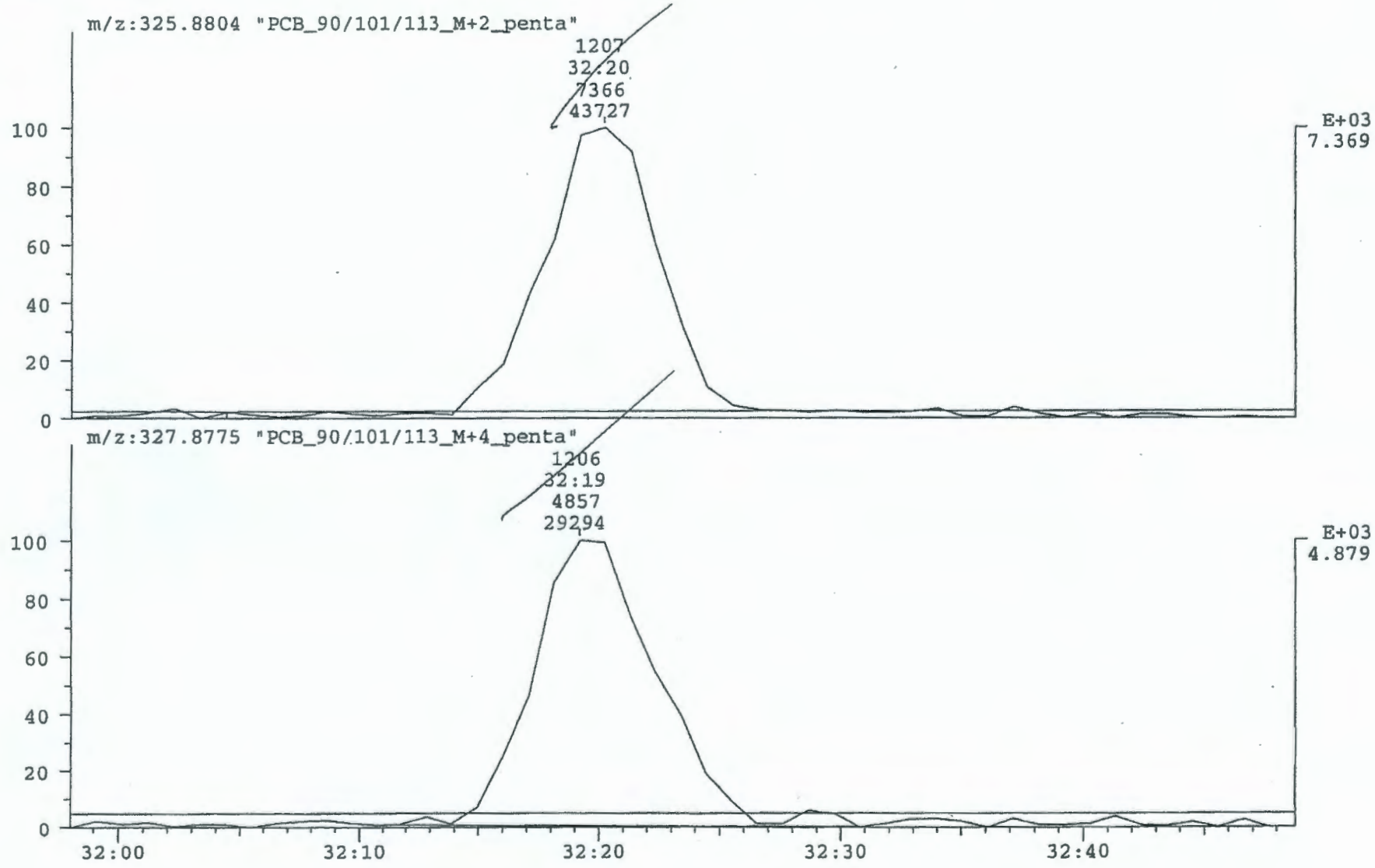
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  31:30      1160
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1123 > 1190          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



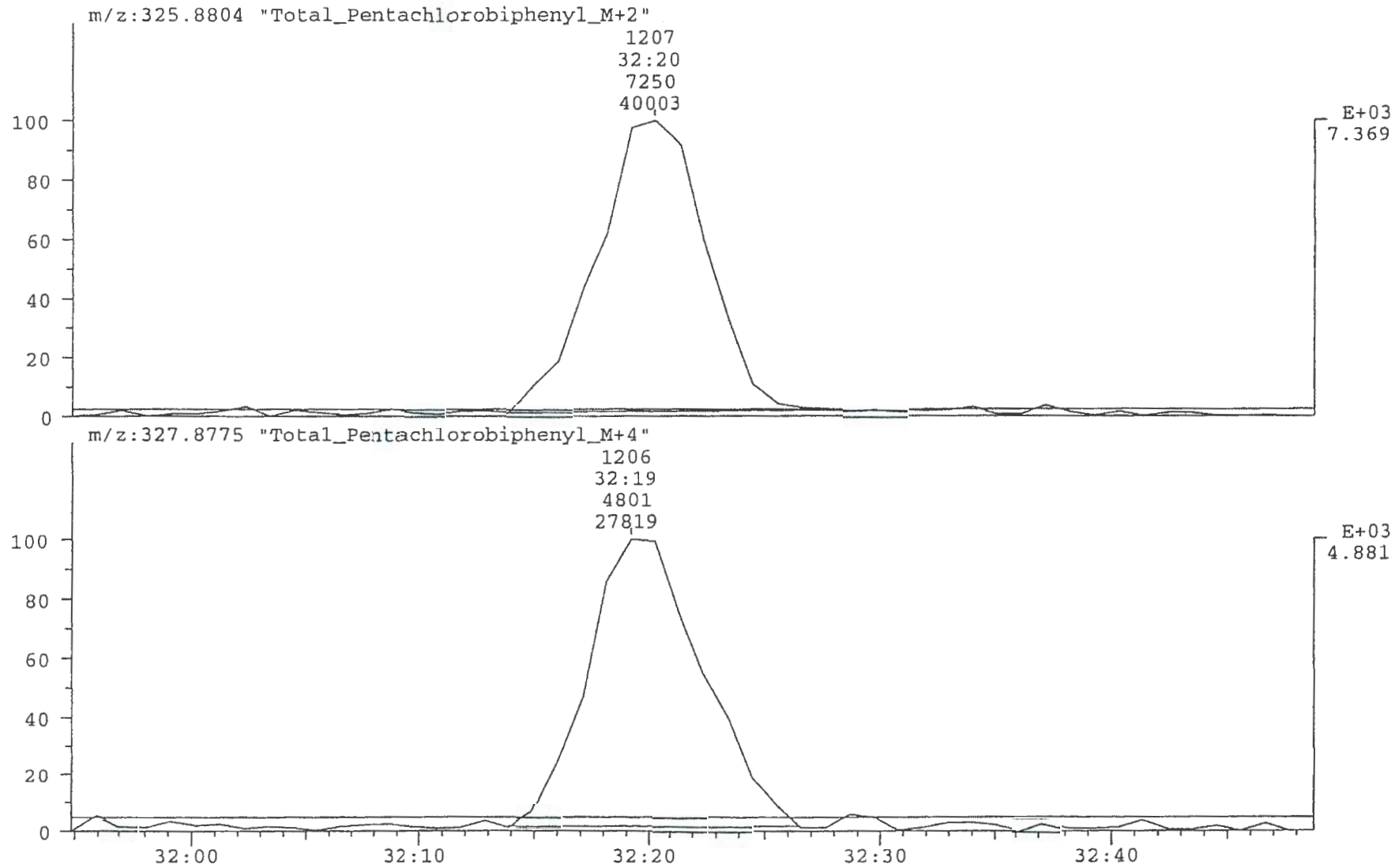
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   1123 > 1190           Masses:  181 > 510
Area:  5, 1.20, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



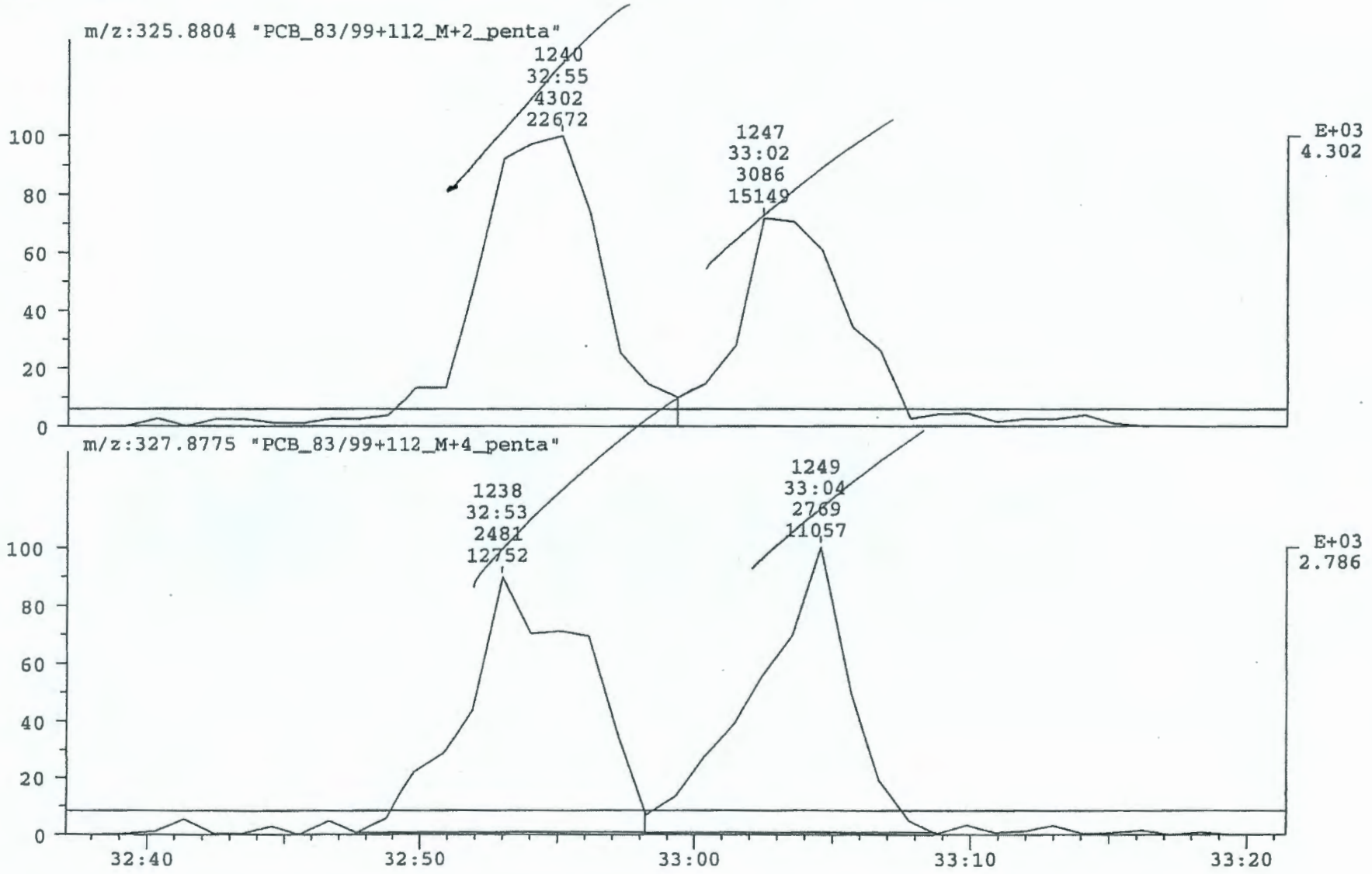
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  32:22      1209
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1186 > 1234            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



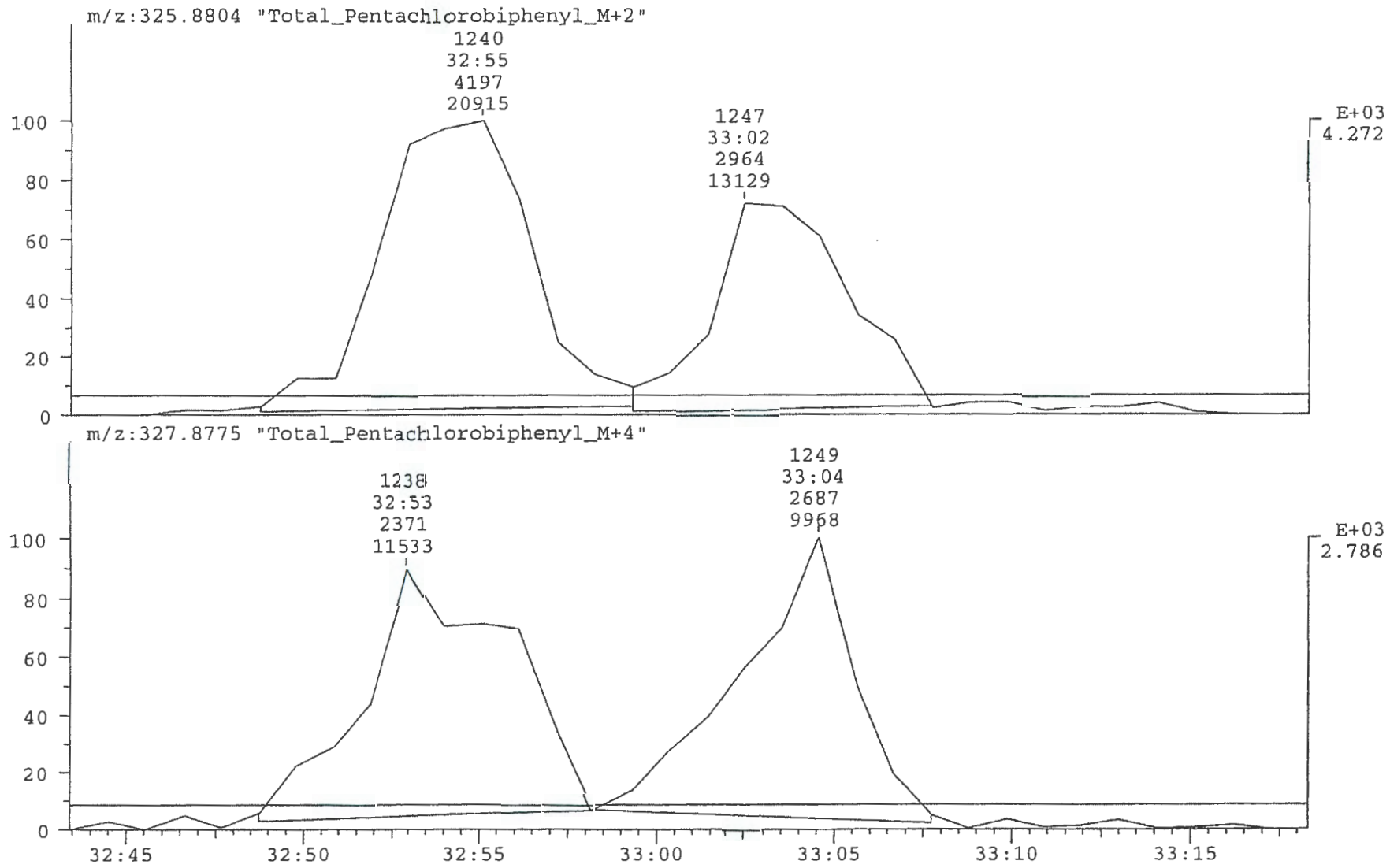
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1183 > 1234           Masses:  181 > 510
Area:  5, 3.00, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



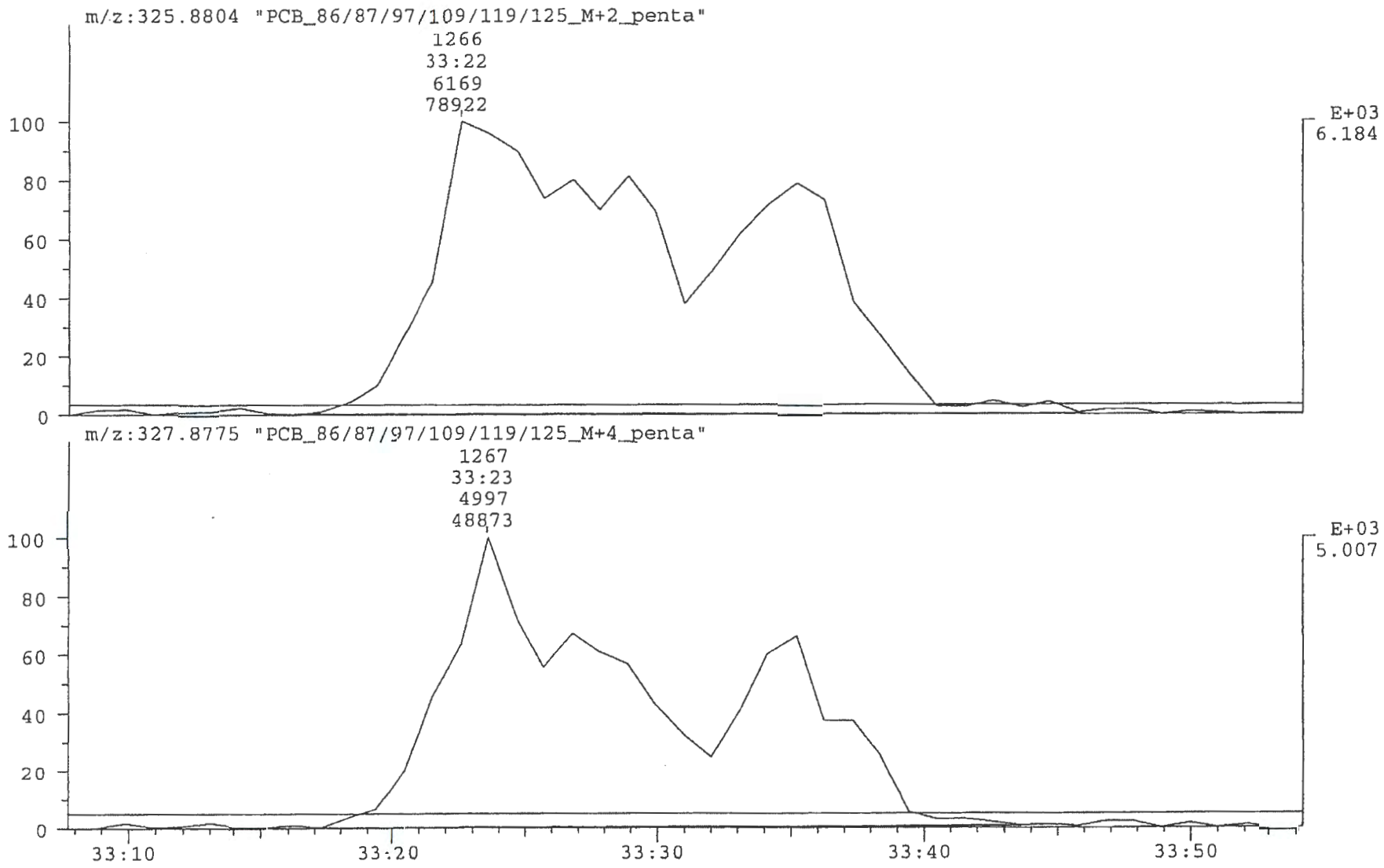
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  33:03      1248
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1223 > 1265          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



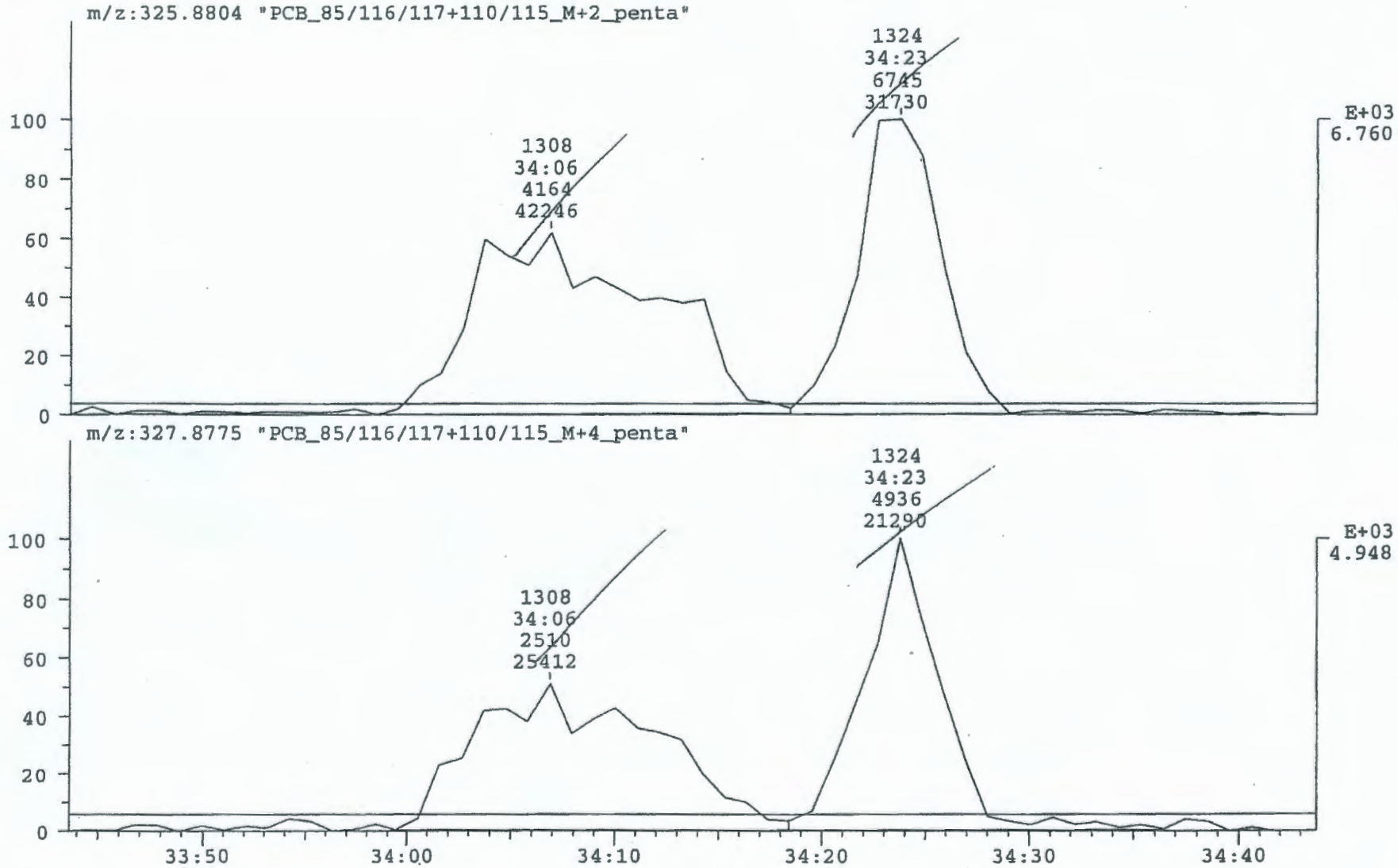
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1229 > 1262           Masses:  181 > 510
Area:  5, 3.00, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



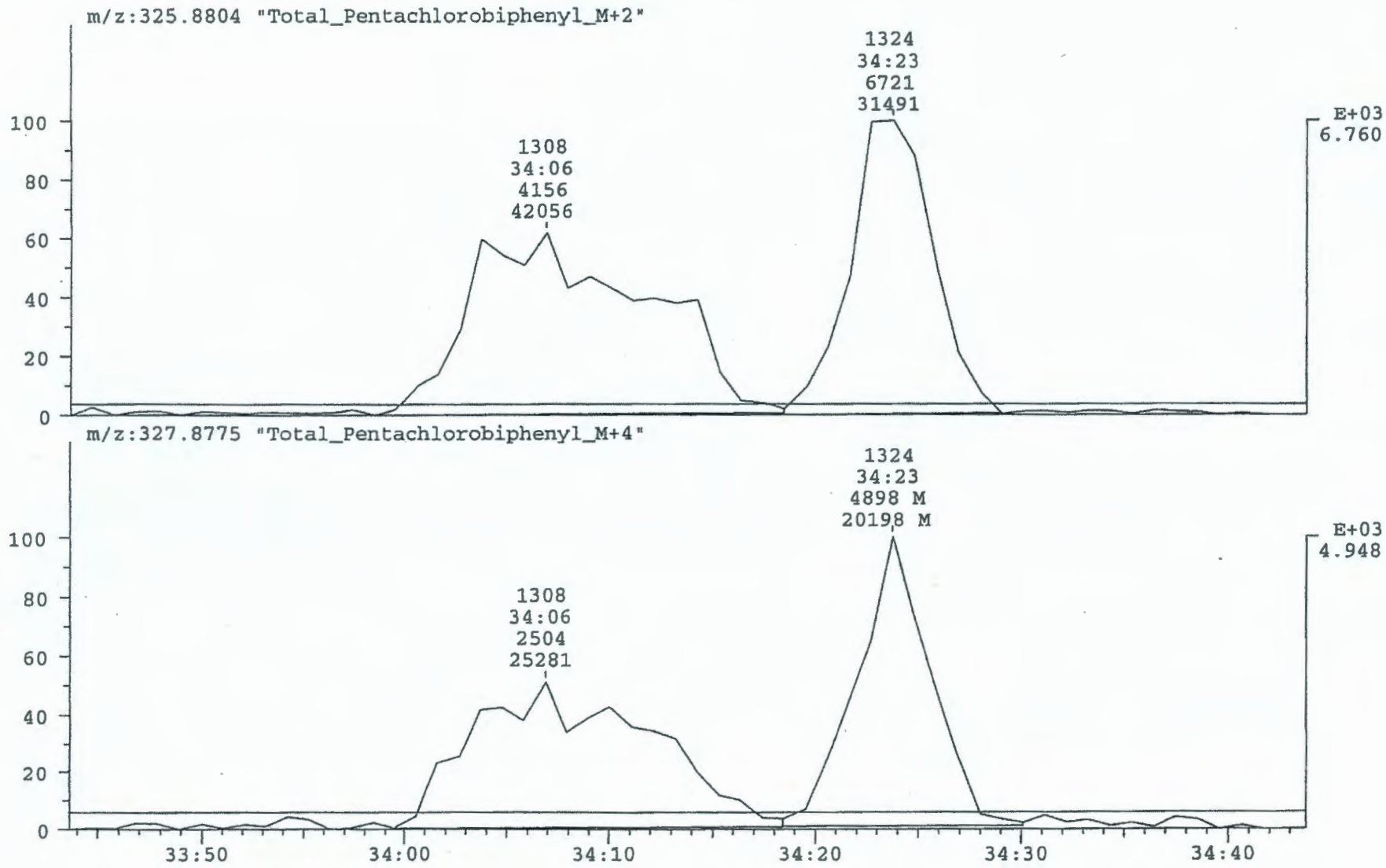
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  33:36      1279
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1252 > 1296           Masses:  181 > 510
Area:  5, 0.50, 0       Baseline  :   100, 9                Label :  -3, 3.0
Disp:  Height  Area
```



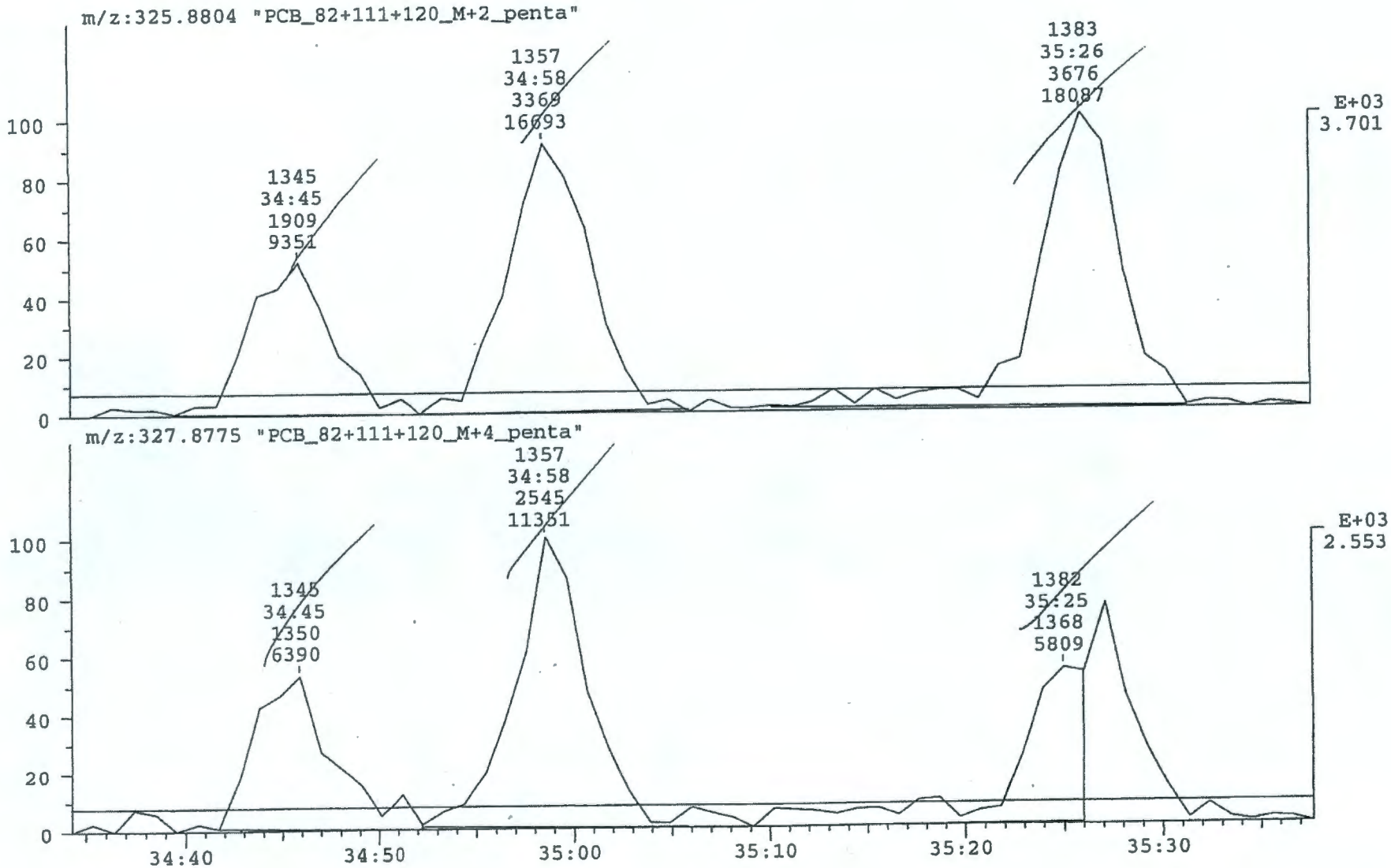
```
CHRO:  a070313i6                              13-Mar-07   Elapse:  34:22      1323
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1              Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1286 > 1343         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 6              Label :  -3, 3.0
Disp:  Height  Area
```



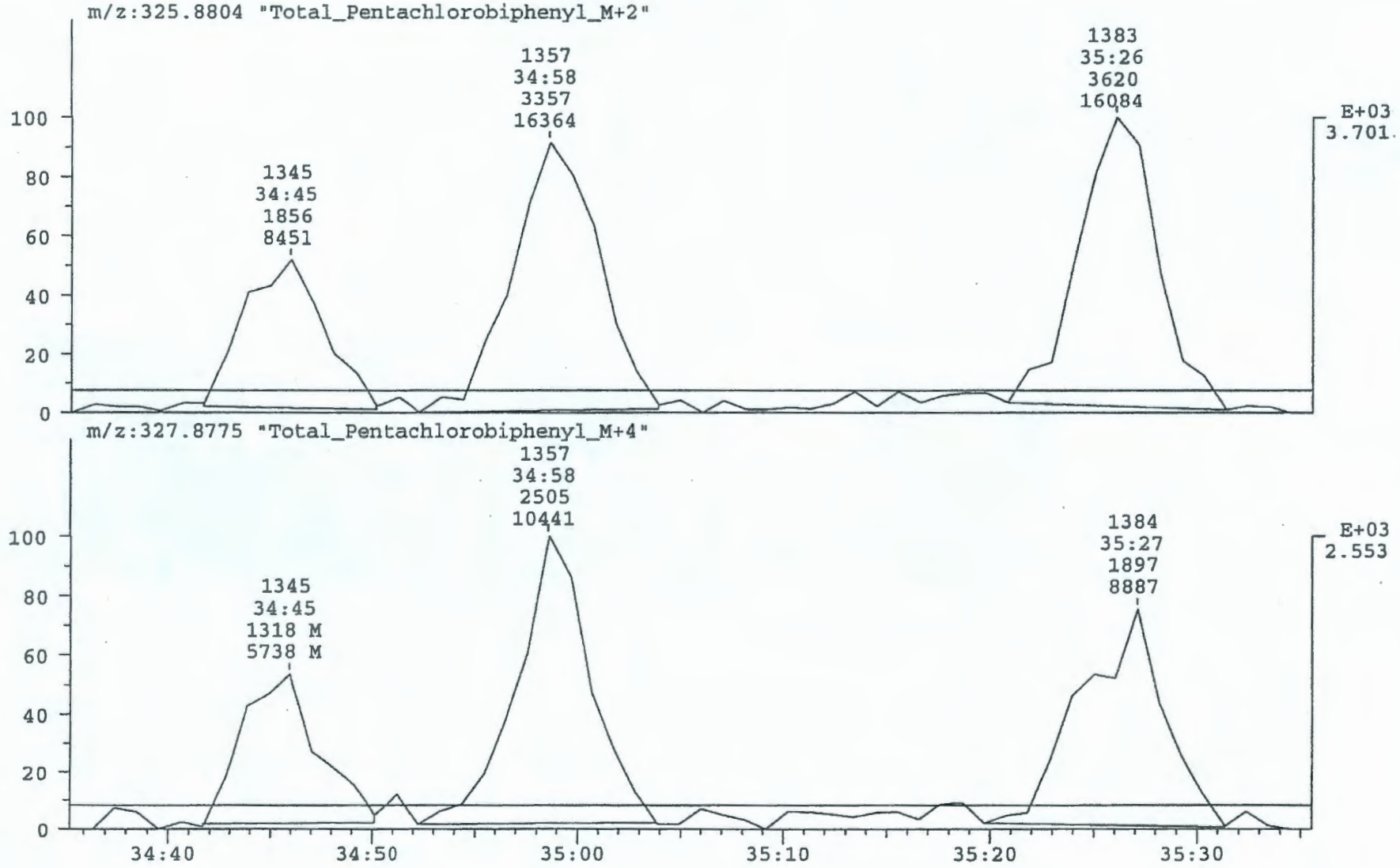
```
CHRO:  a07031316                          13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1          Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                      Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville            Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   1286 > 1343      Masses:  181 > 510
Area:  5, 1.00, 15     Baseline  :   100, 6           Label :  -3, 3.0
Disp:  Height  Area
```



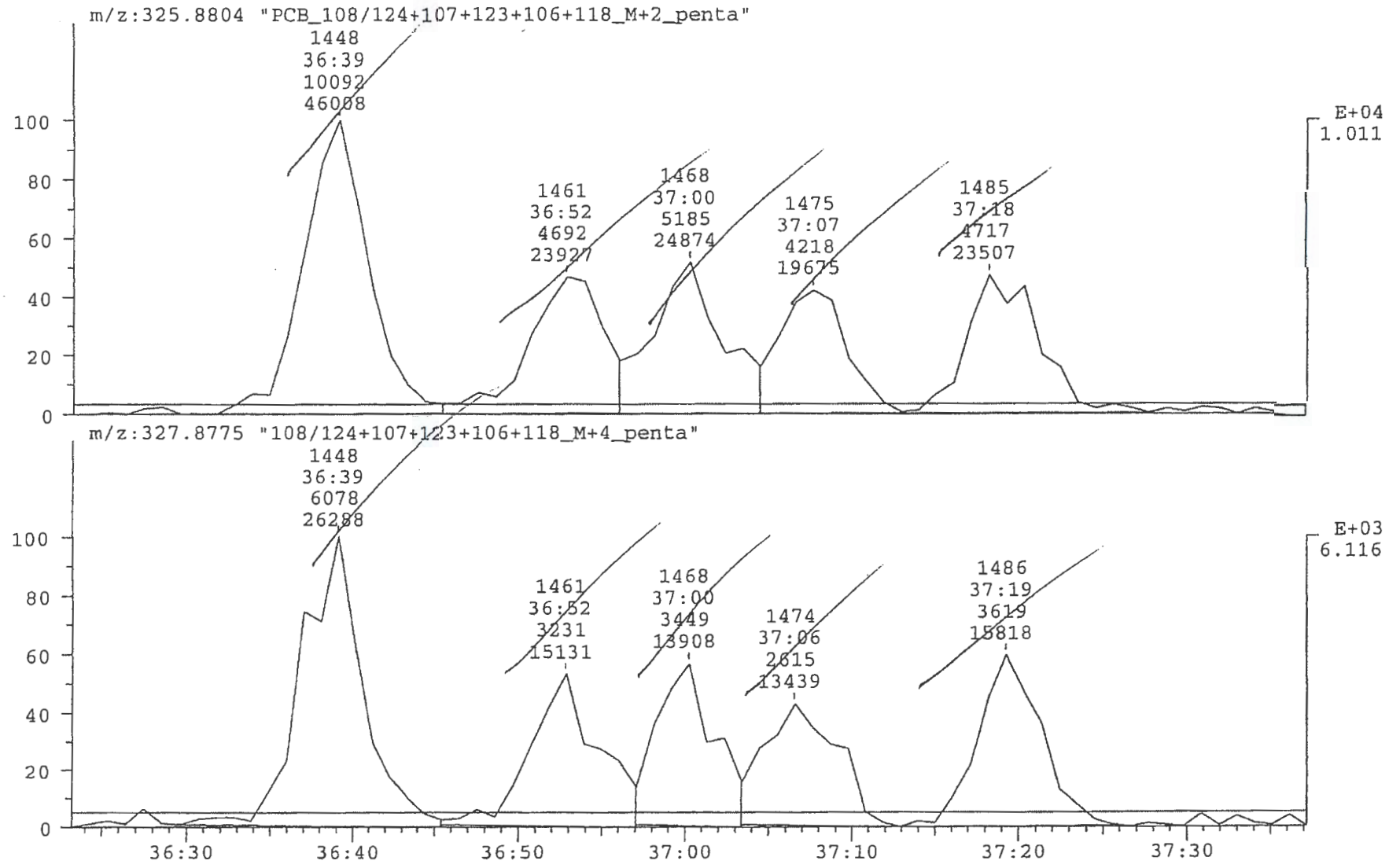
CHRO: a070313i6 13-Mar-07 Elapse: 34:55 1354
Samp: Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1 Start : 17:42:37 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL CS0.5
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1334 > 1394 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 1 Label : -3, 3.0
Disp: Height Area



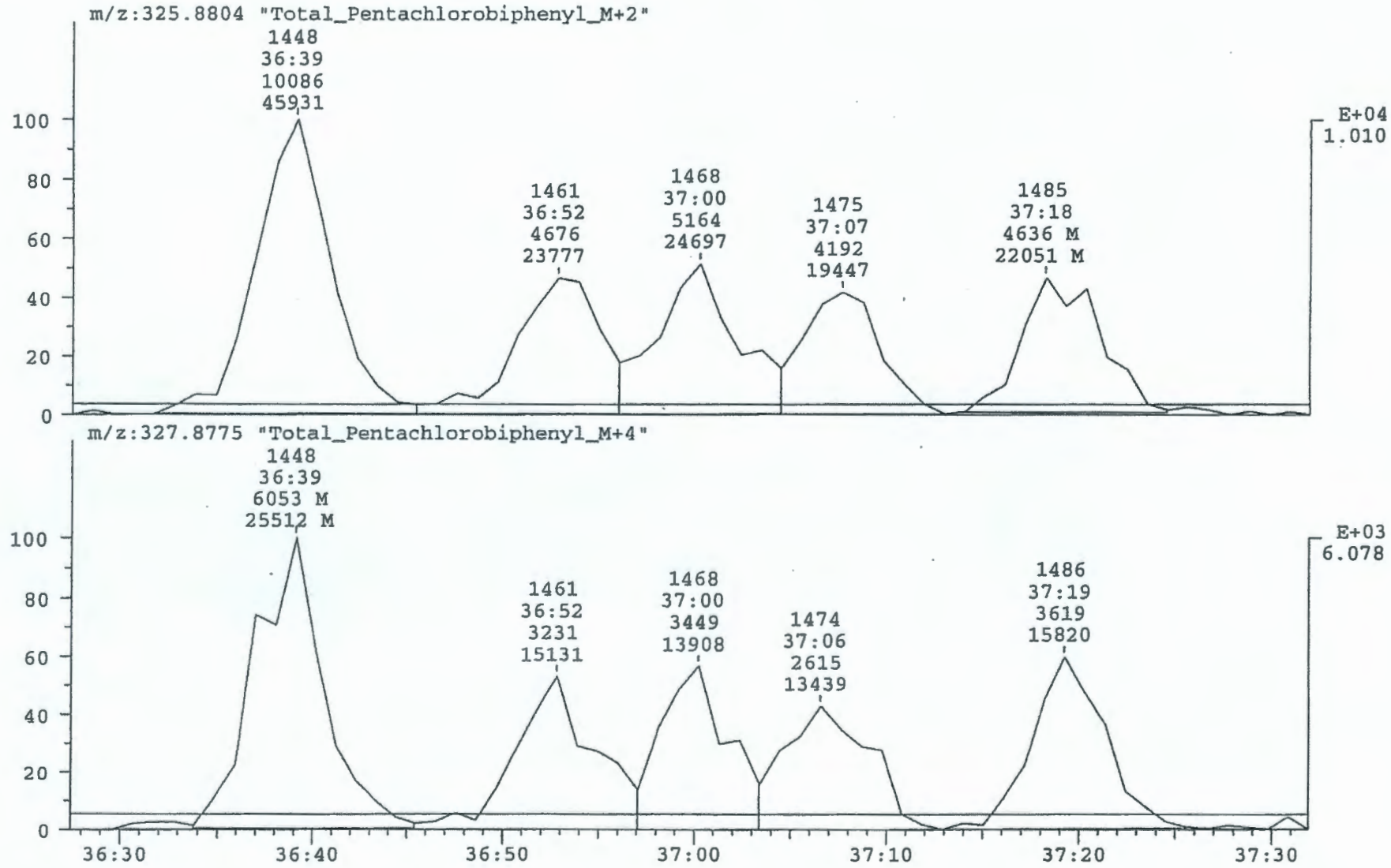
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1335 > 1392           Masses:  181 > 510
Area:  5, 1.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



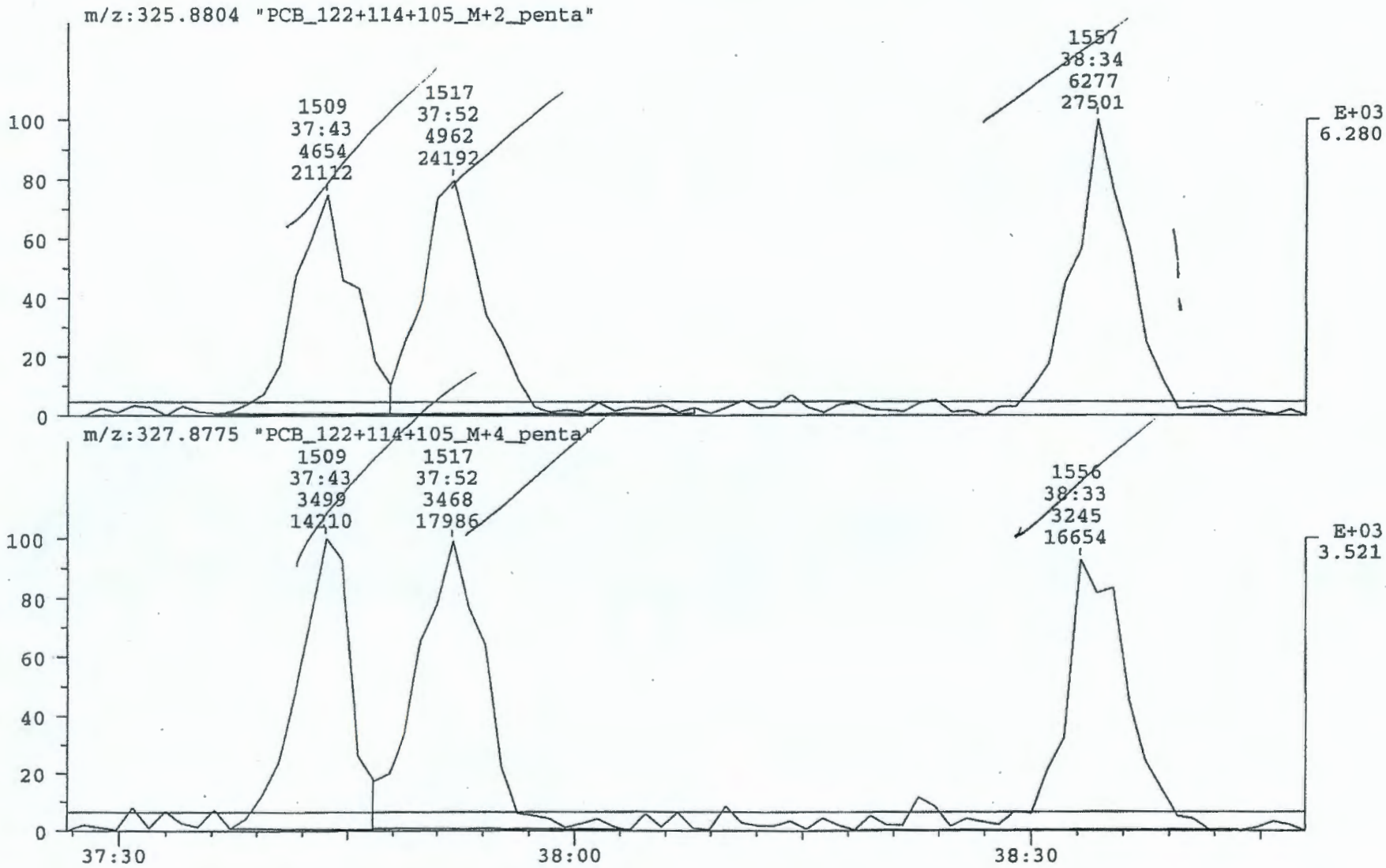
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  37:10      1478
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1433 > 1503          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



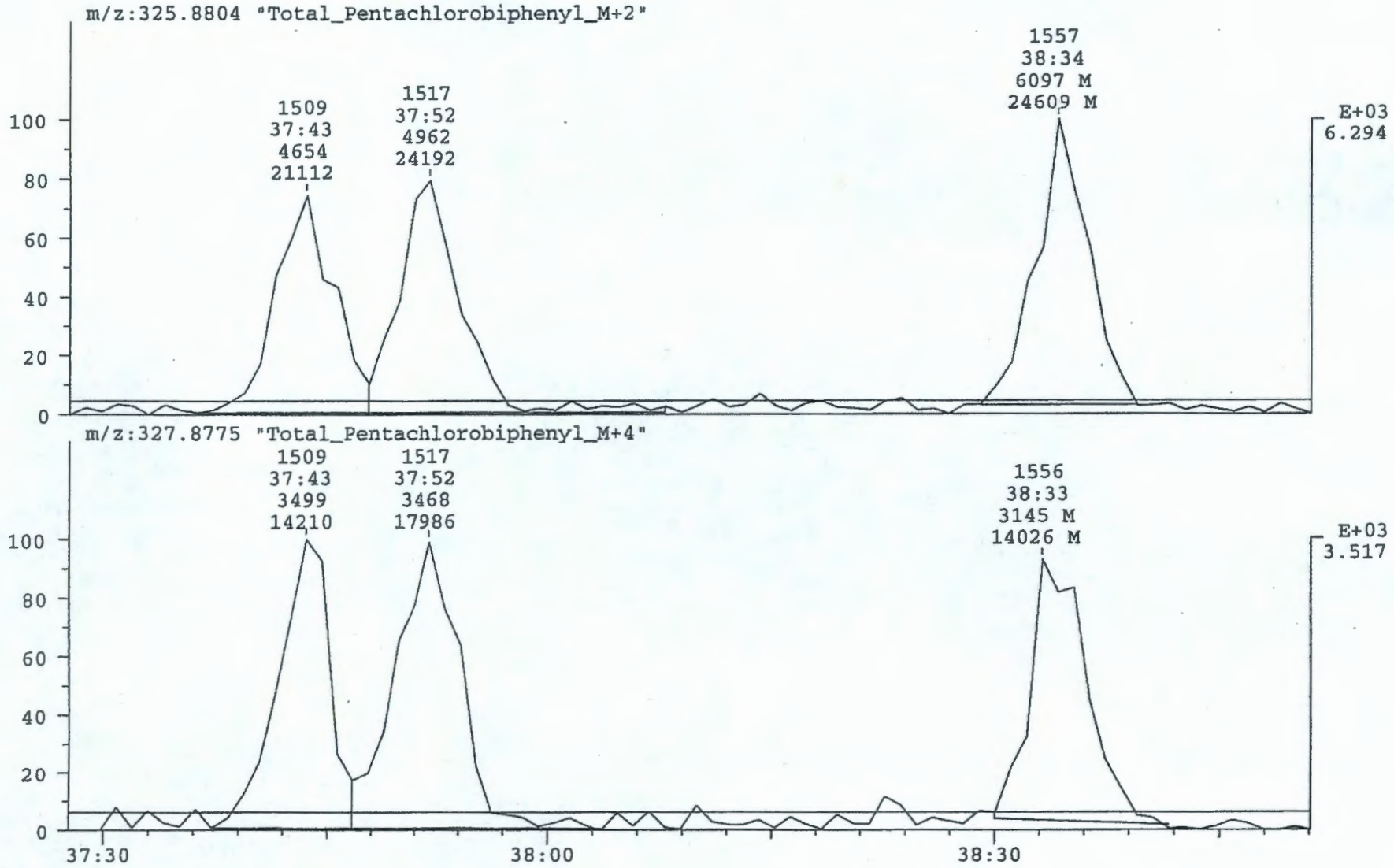
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   1437 > 1498           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



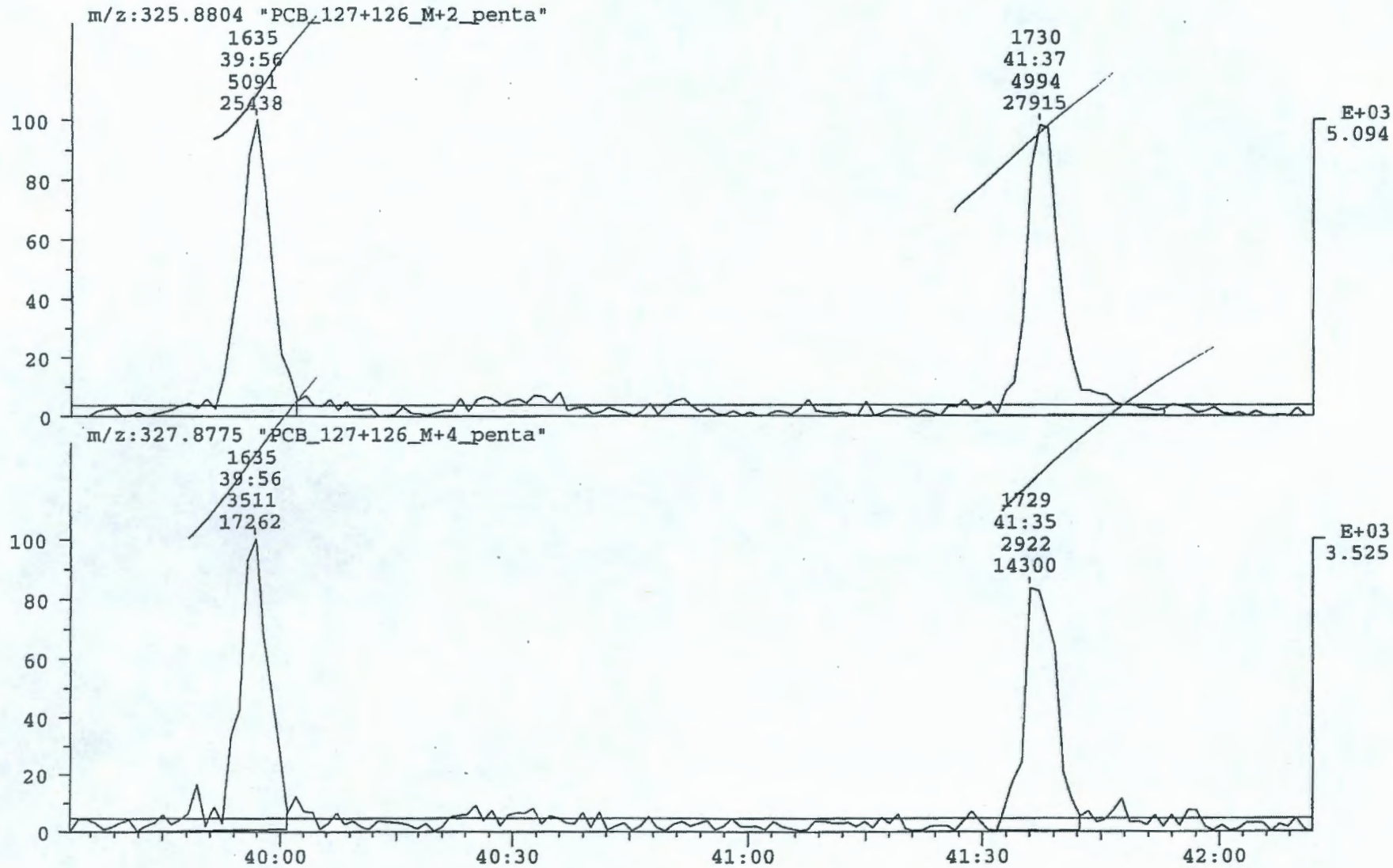
```
CHRO:  a07031316                                13-Mar-07   Elapse:  38:14      1538
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1493 > 1570          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



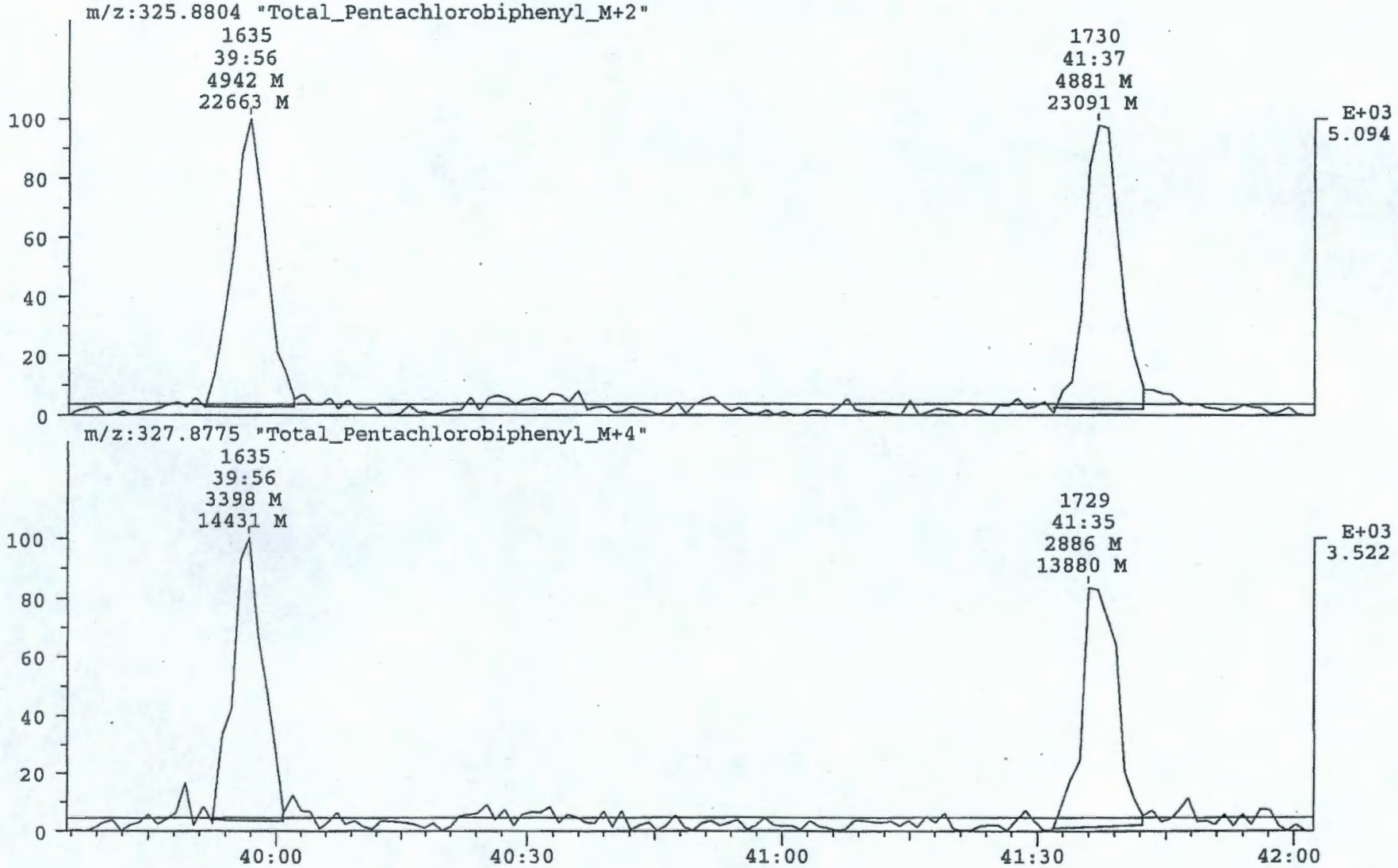
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1494 > 1573           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



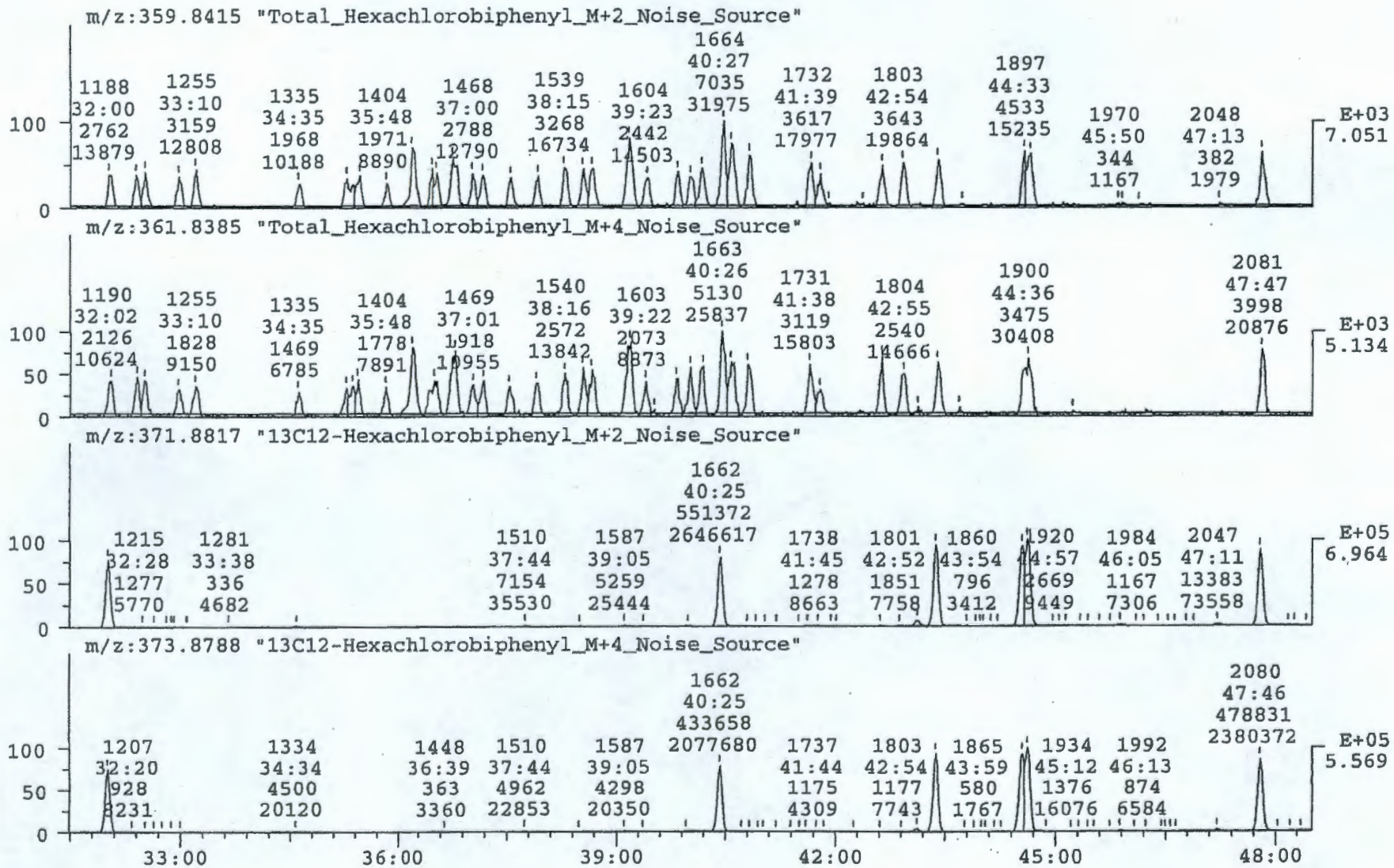
```
CHRO:  a07031316                                13-Mar-07   Elapse:  40:52      1688
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1613 > 1763          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 1               Label :  -3, 3.0
Disp:  Height  Area
```



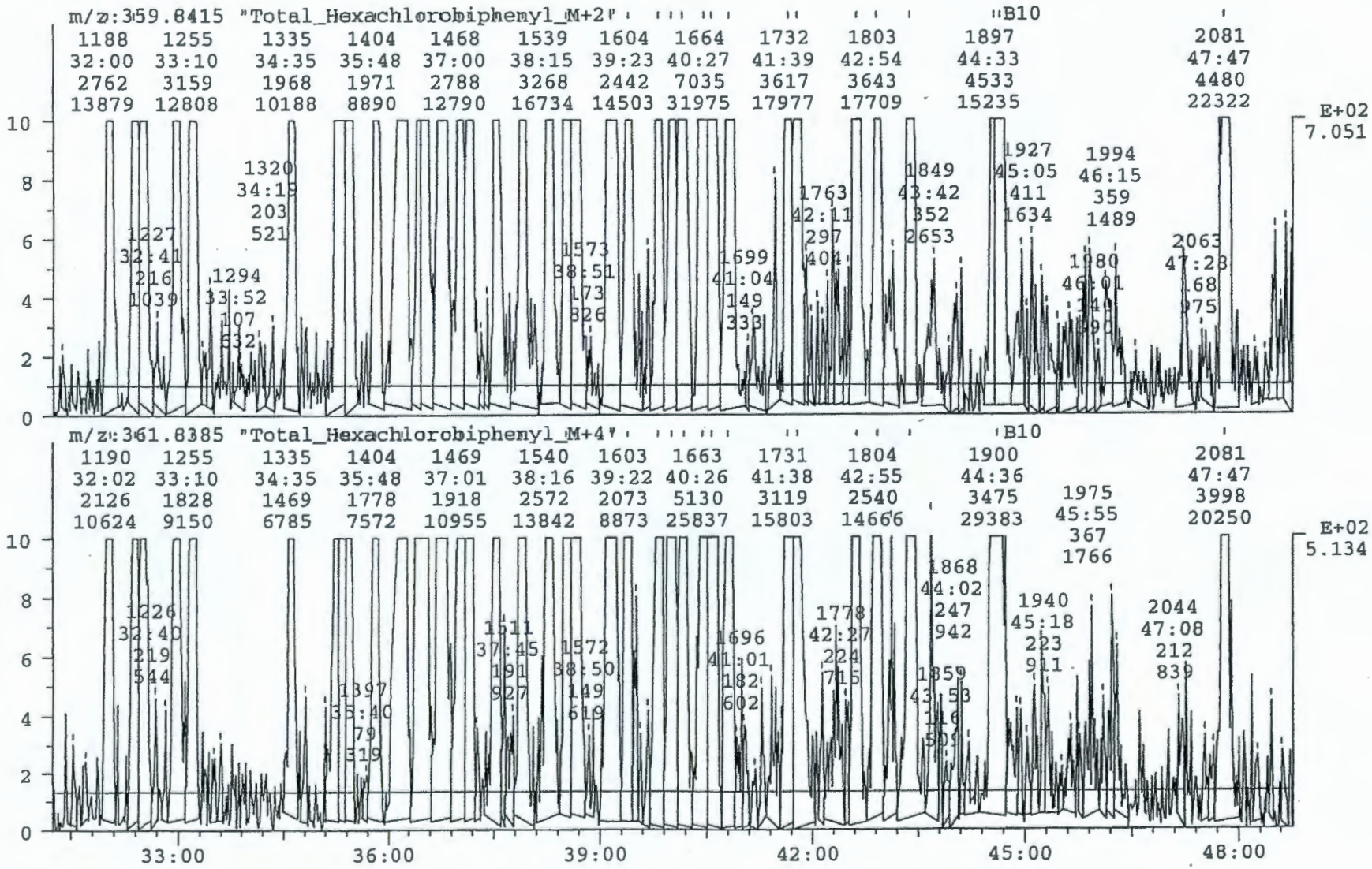
```
CHRO:  a07031316                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1615 > 1754           Masses:  181 > 510
Area:  5, 3.00, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



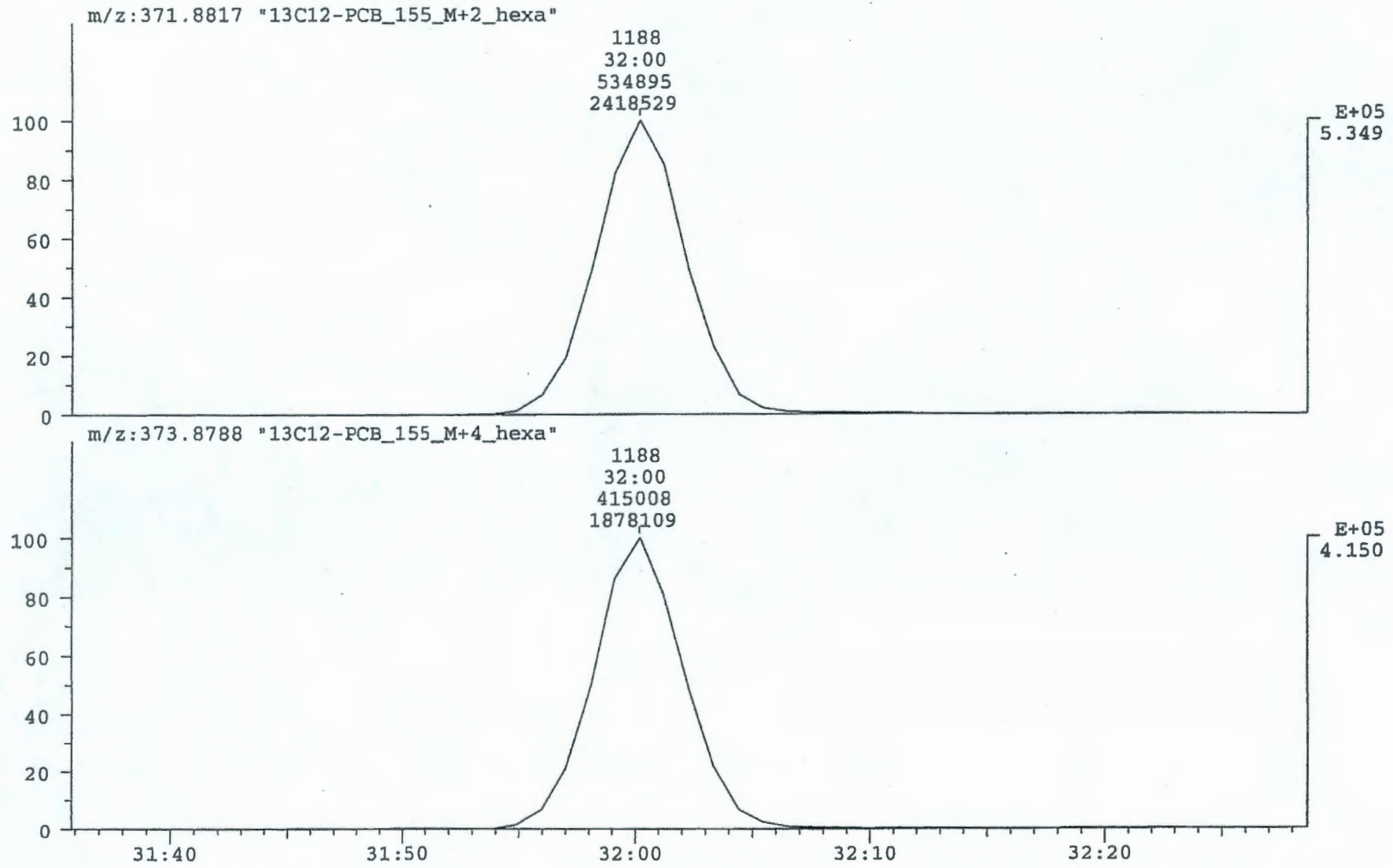
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  39:58      1637
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1159 > 2121          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



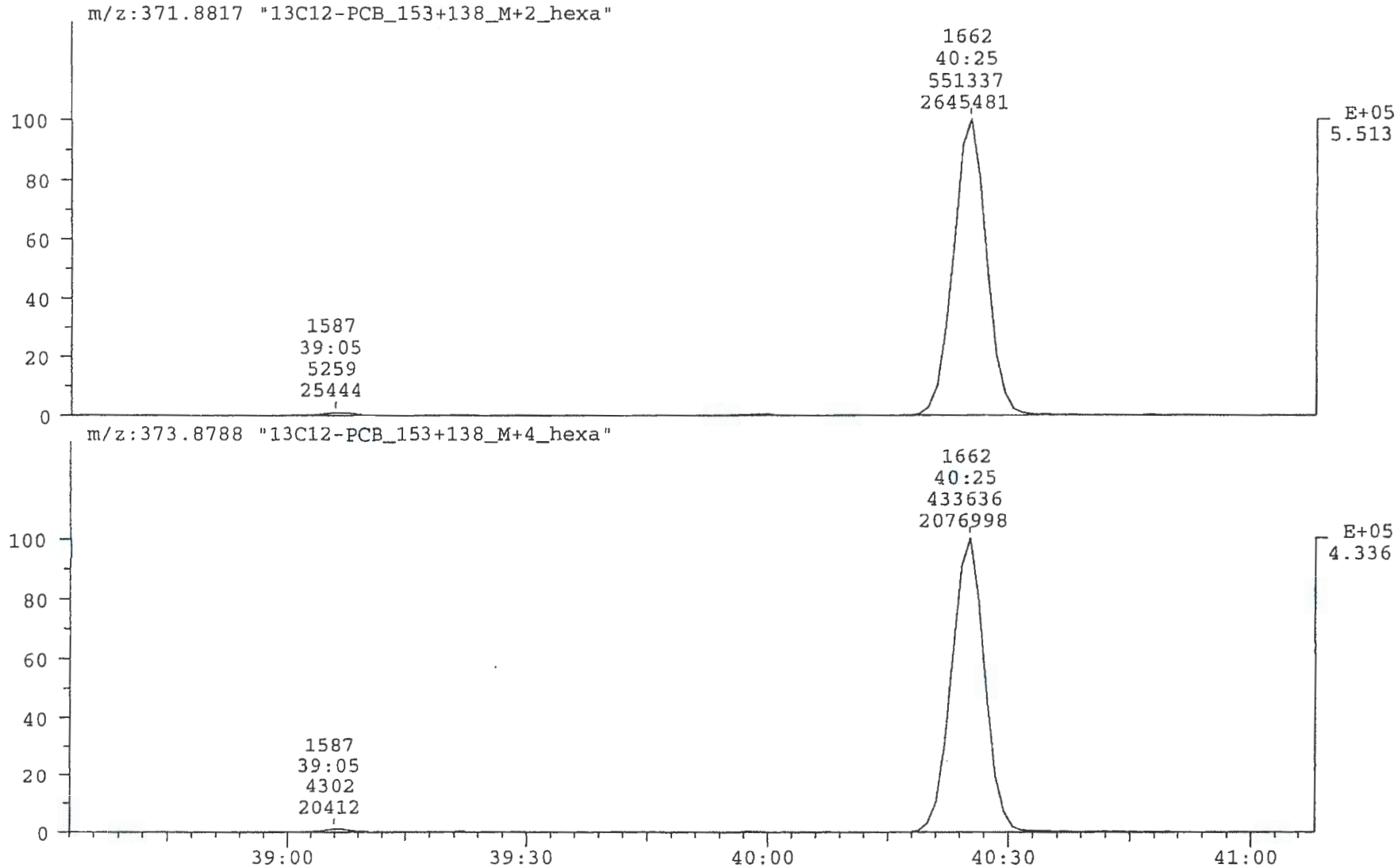
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1145 > 2136           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 1.0
Disp:  Height  Area
```



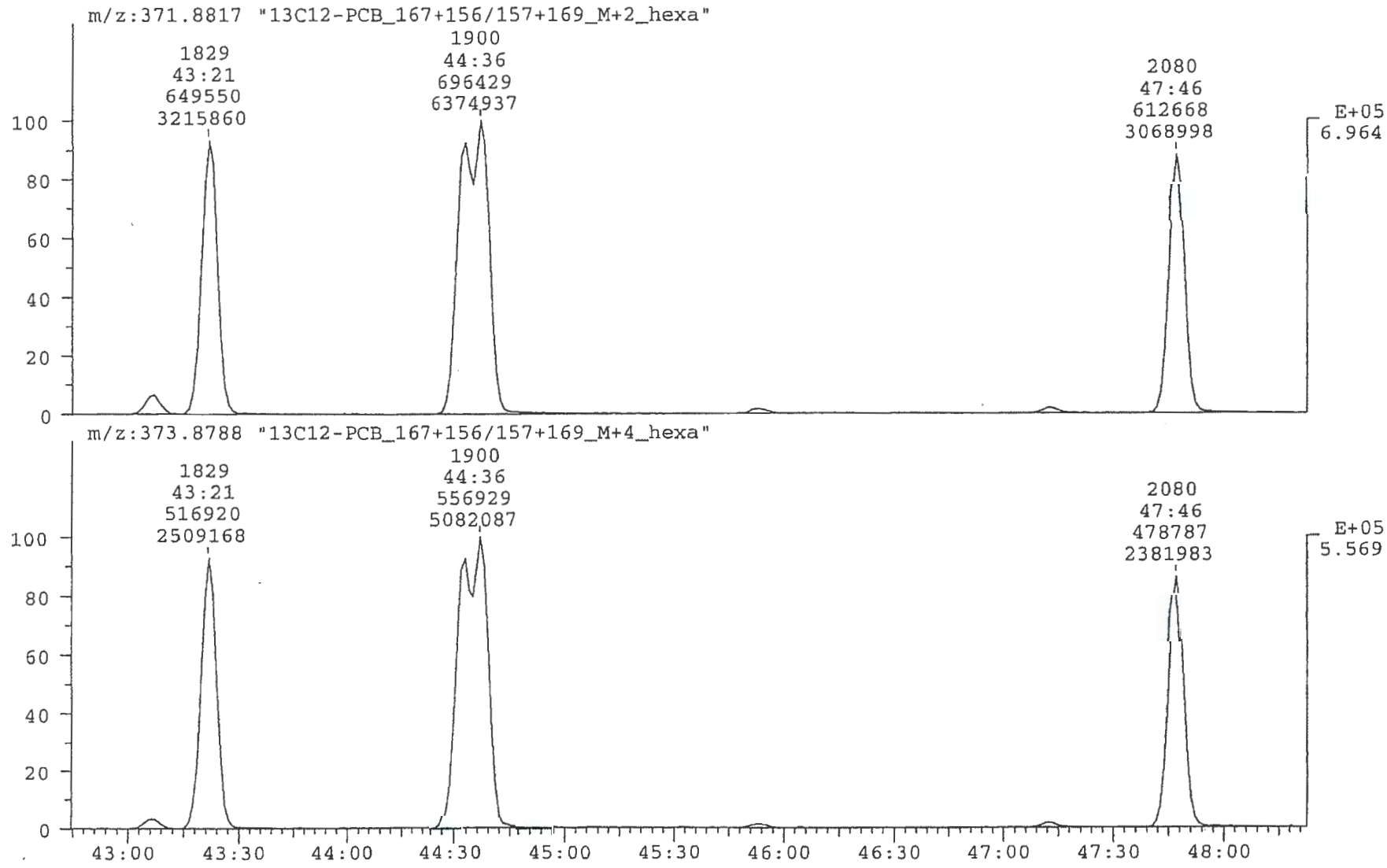
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  32:02      1190
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1165 > 1215          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



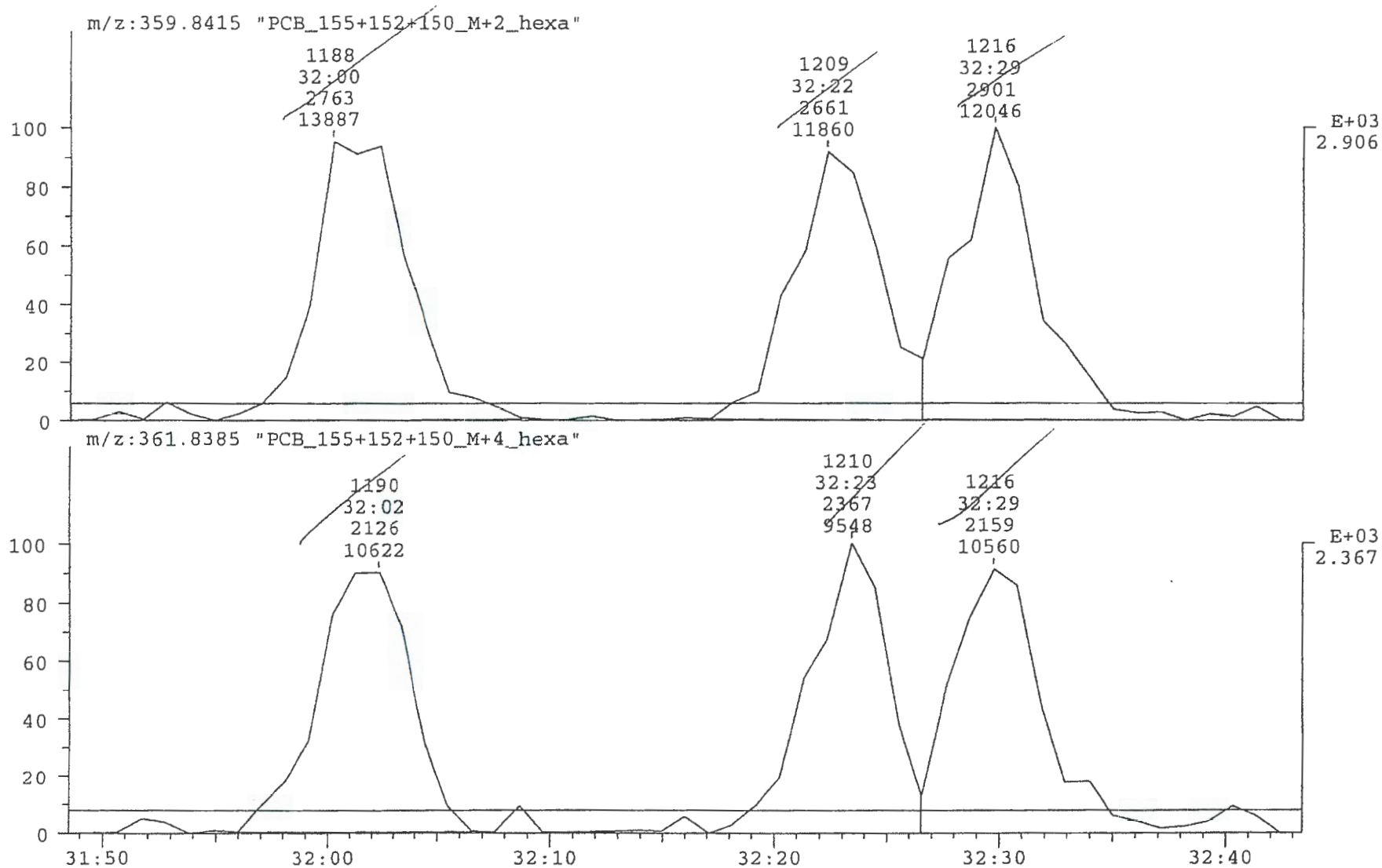
```
CHRO:  a070313i6                              13-Mar-07   Elapse:  39:50      1629
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1              Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1556 > 1703         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



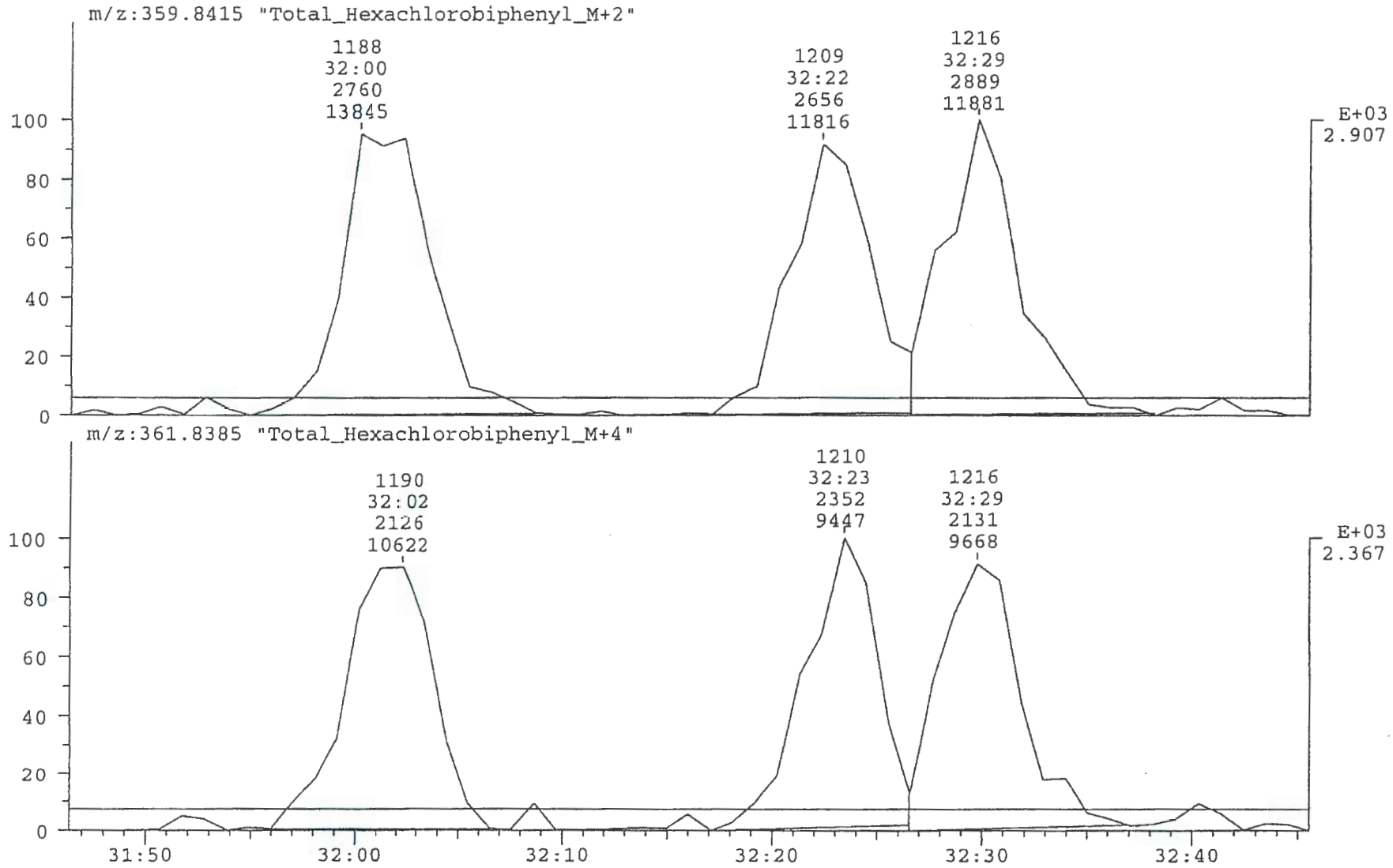
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  45:38      1959
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1794 > 2114          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 9                Label :  -3, 3.0
Disp:  Height  Area
```



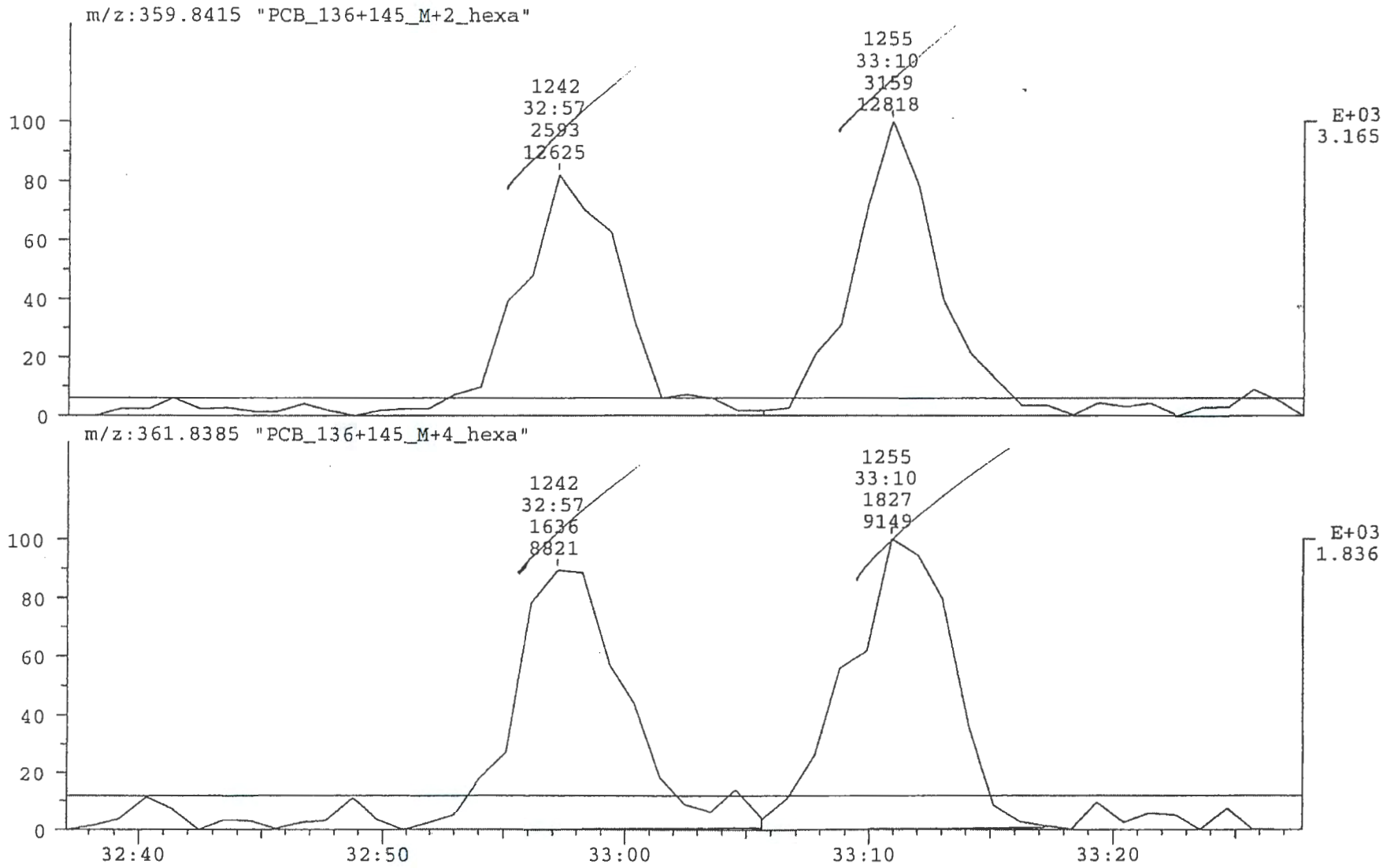
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  32:20      1207
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1177 > 1229          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



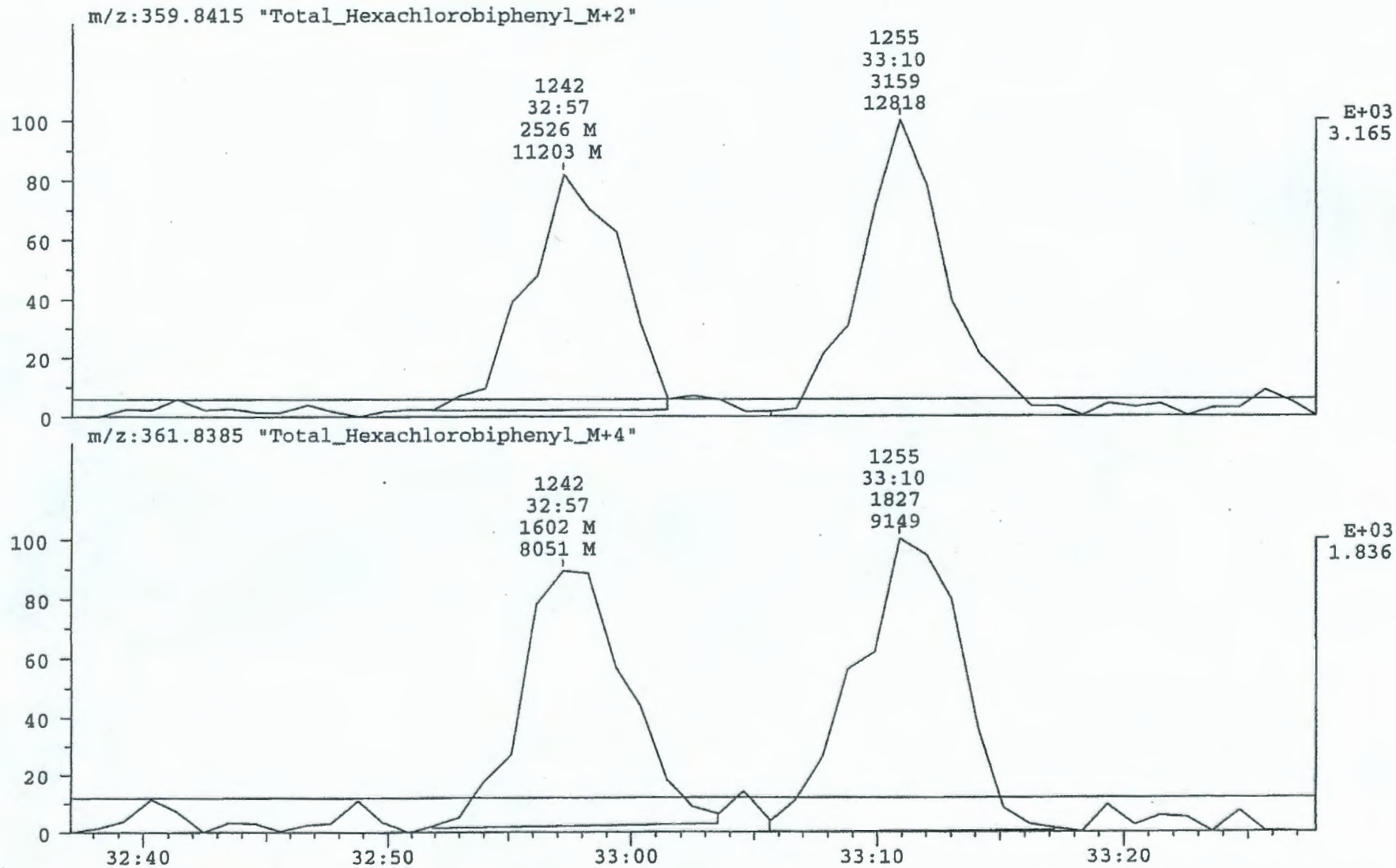
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1175 > 1231          Masses:  181 > 510
Area:  5, 1.00, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



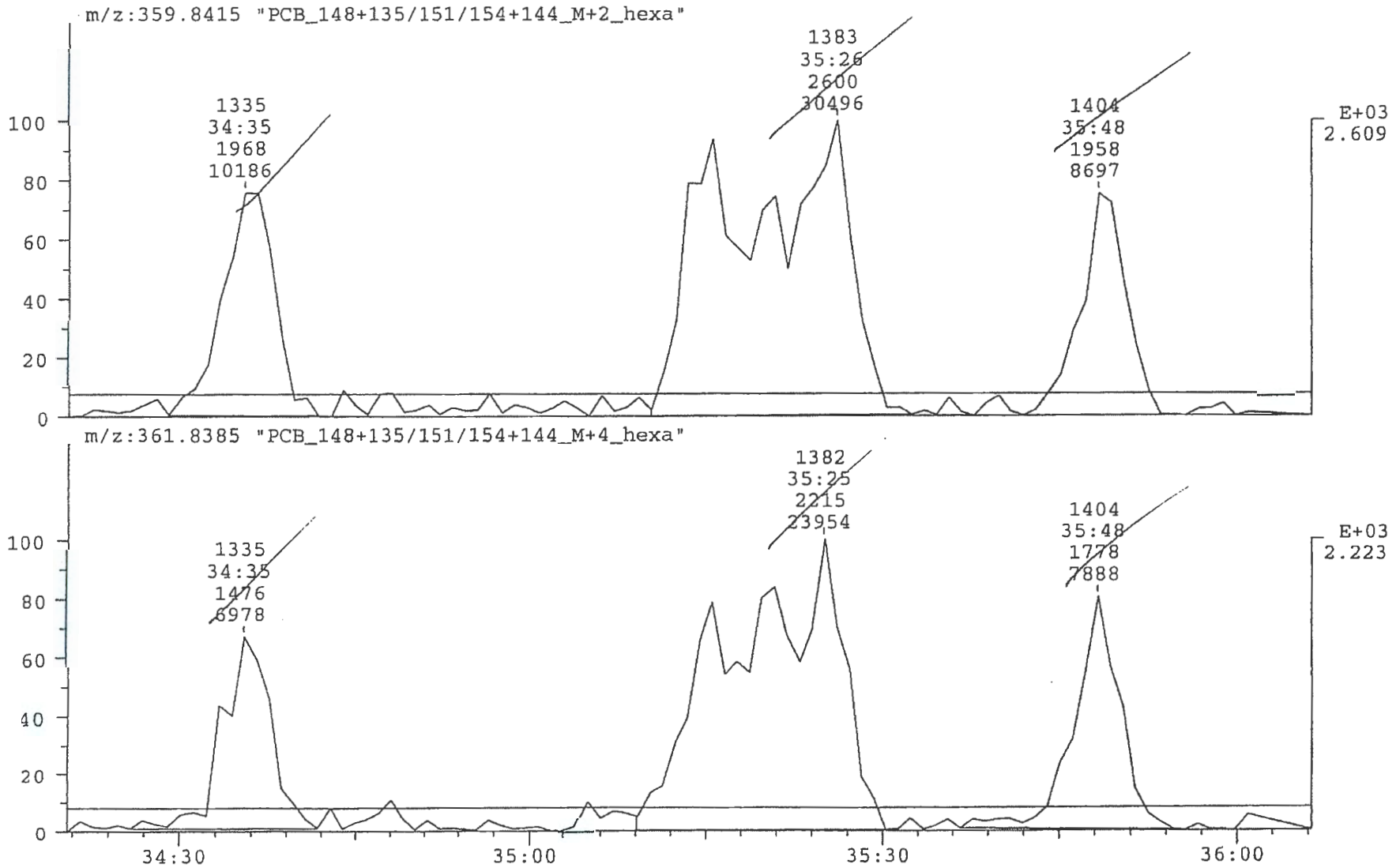
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  33:08      1253
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1223 > 1271          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



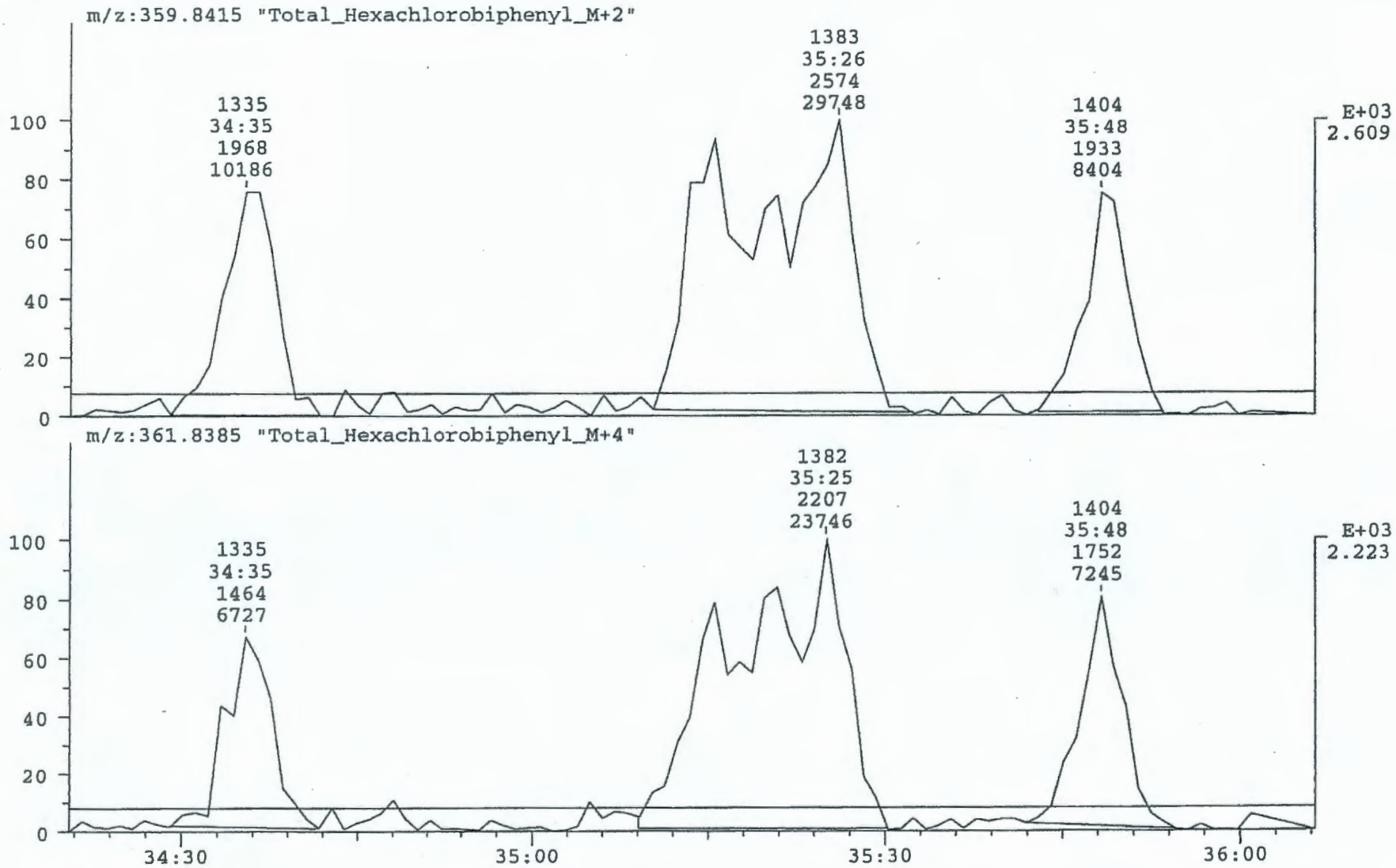
```
CHRO:  a07031316                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1223 > 1271          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



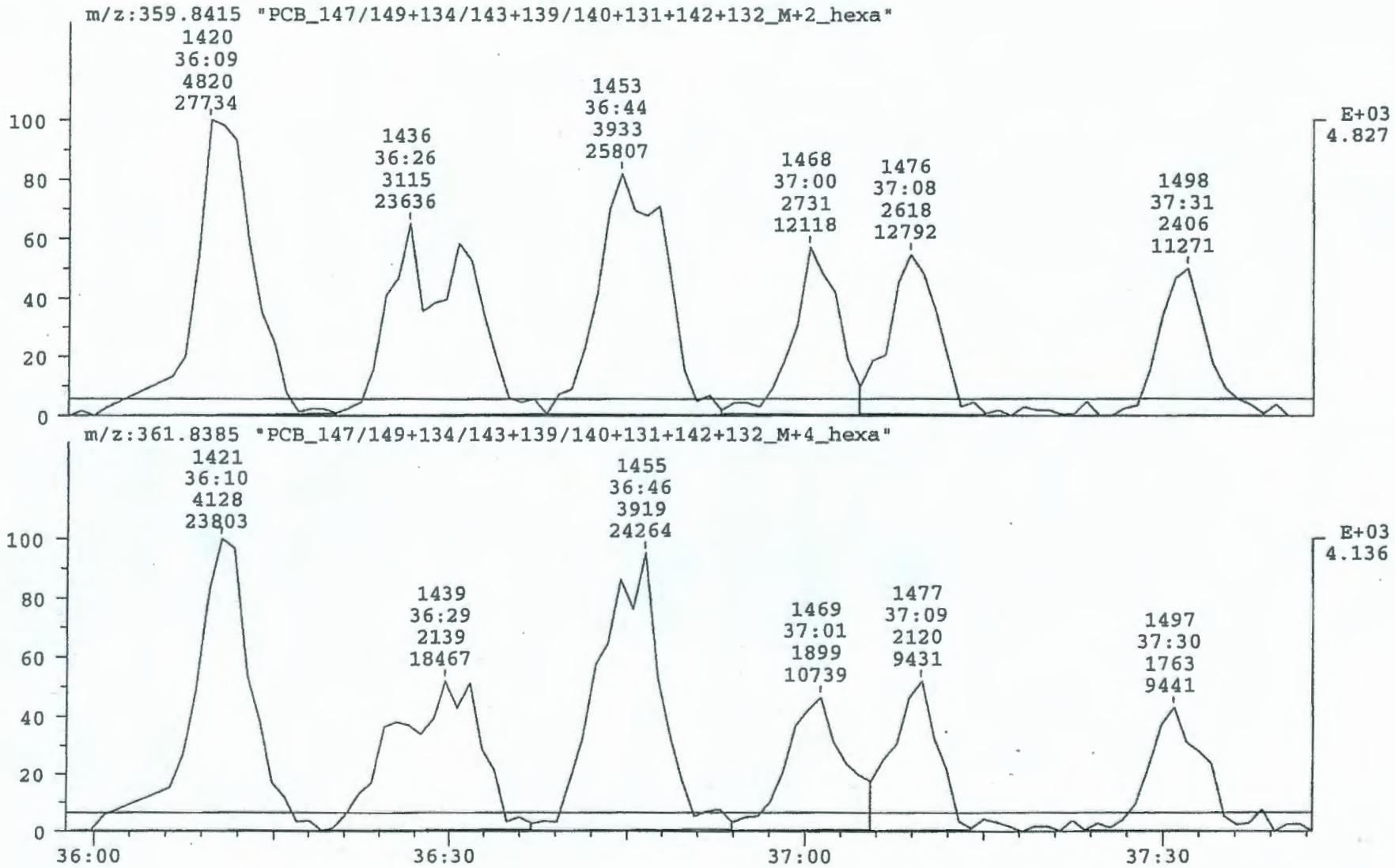
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  35:21      1379
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   1321 > 1417           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 12               Label :  -3, 3.0
Disp:  Height  Area
```



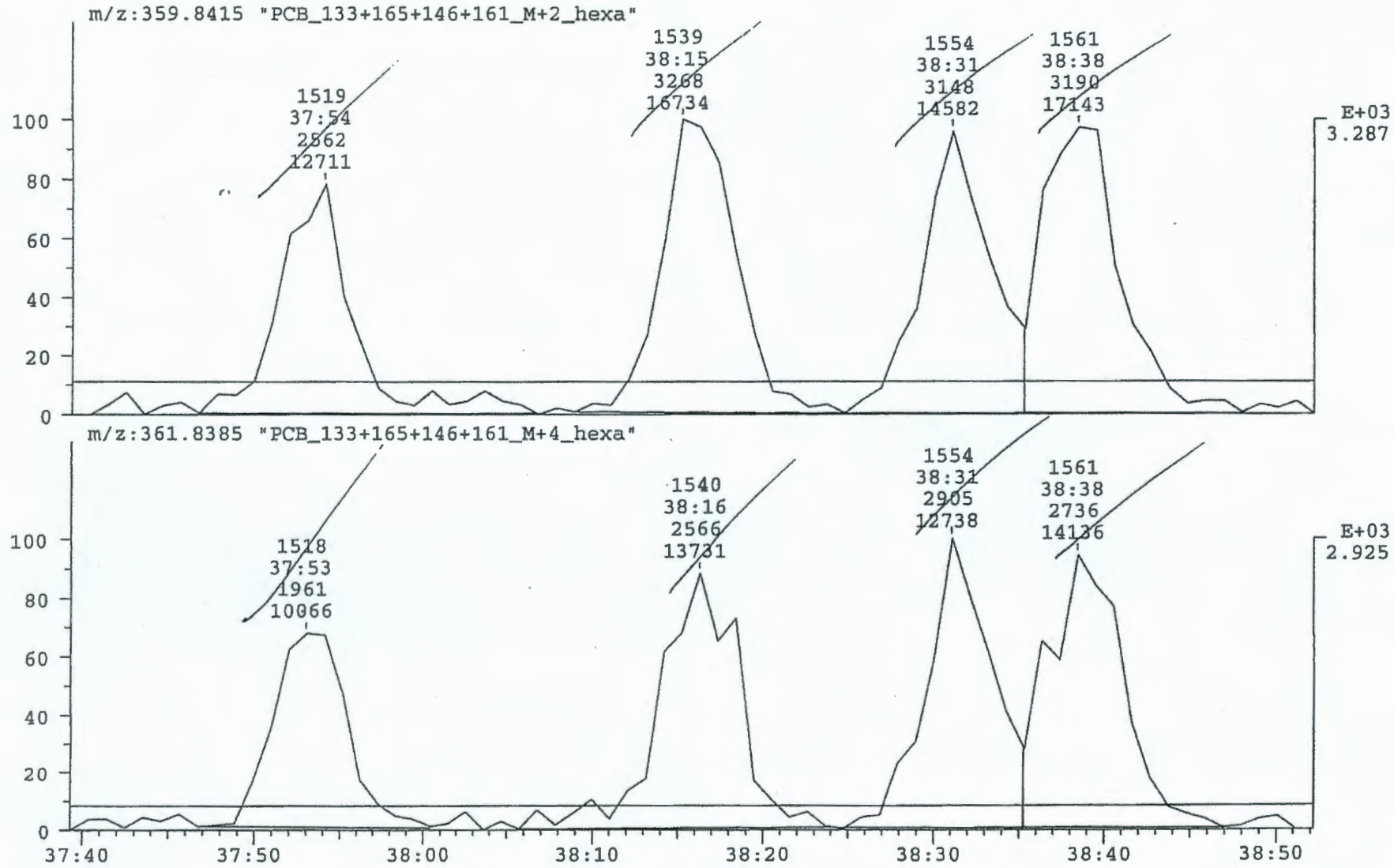
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1321 > 1417           Masses:  181 > 510
Area:  5, 1.00, 15      Baseline  :   100, 12               Label :  -3, 3.0
Disp:  Height  Area
```



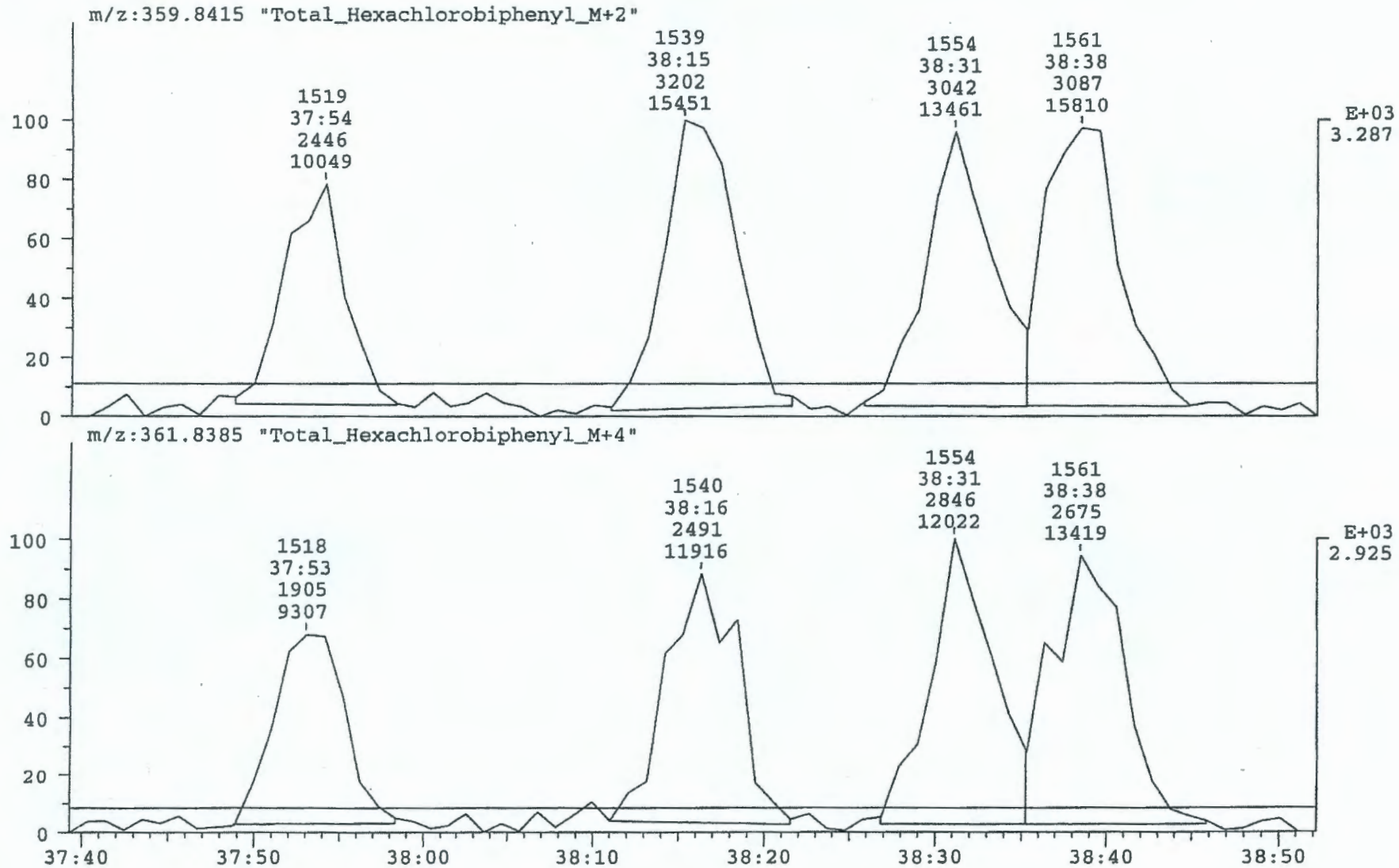
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  36:46      1455
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1413 > 1508          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 5               Label :  -3, 3.0
Disp:  Height  Area
```



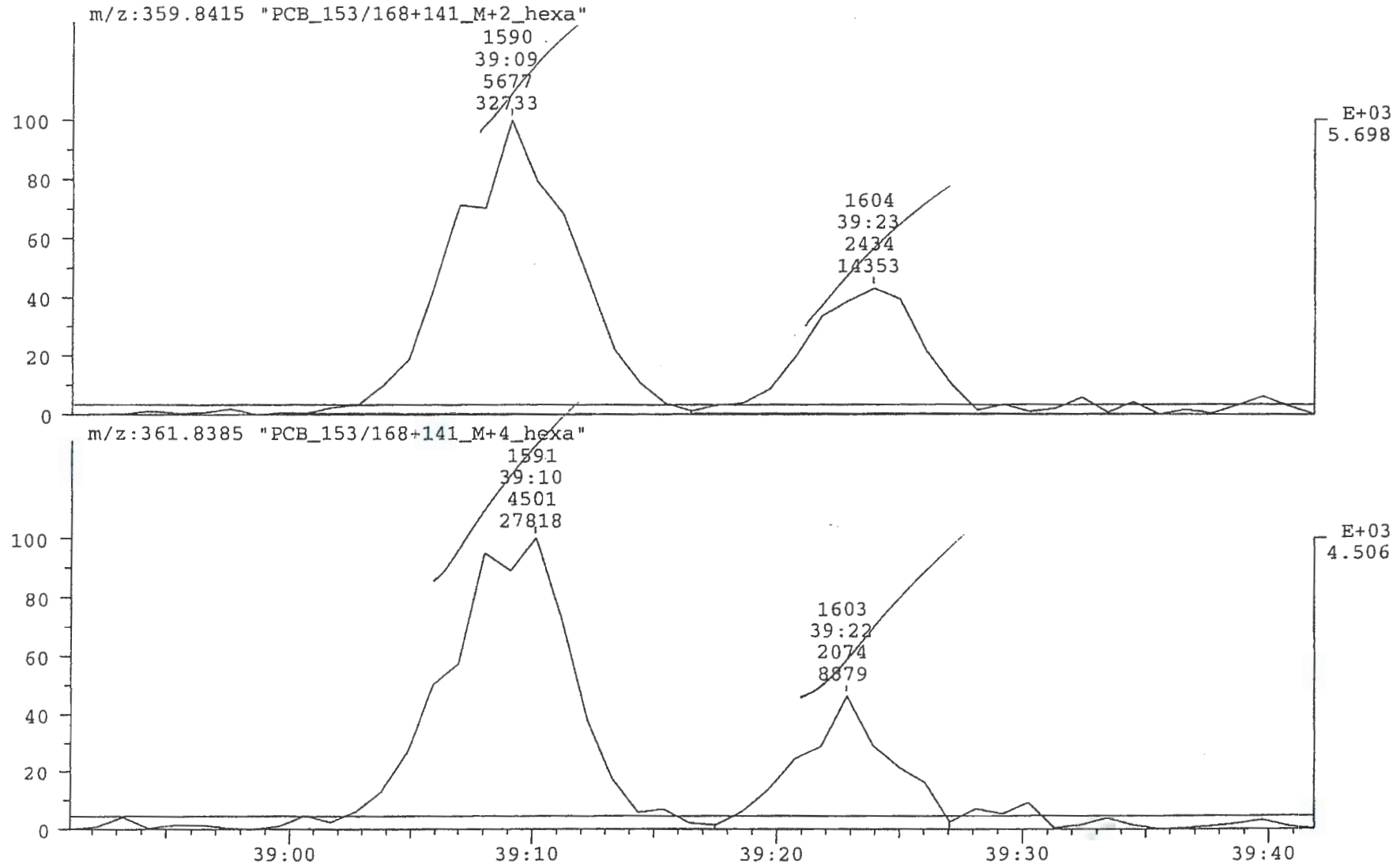
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  38:21      1545
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   1505 > 1574           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



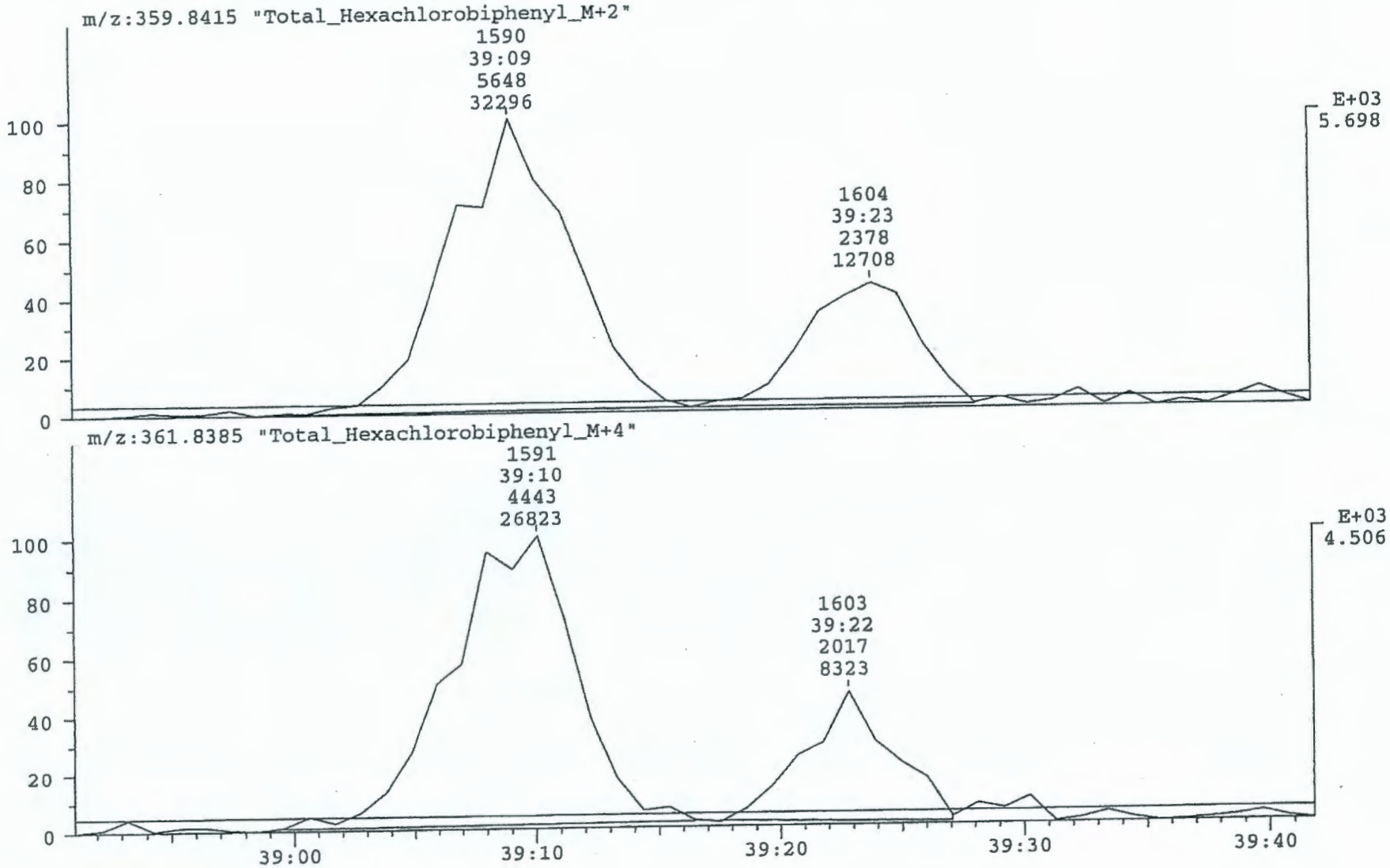
```
CHRO:  a07031316                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   1505 > 1574           Masses:  181 > 510
Area:  5, 2.00, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



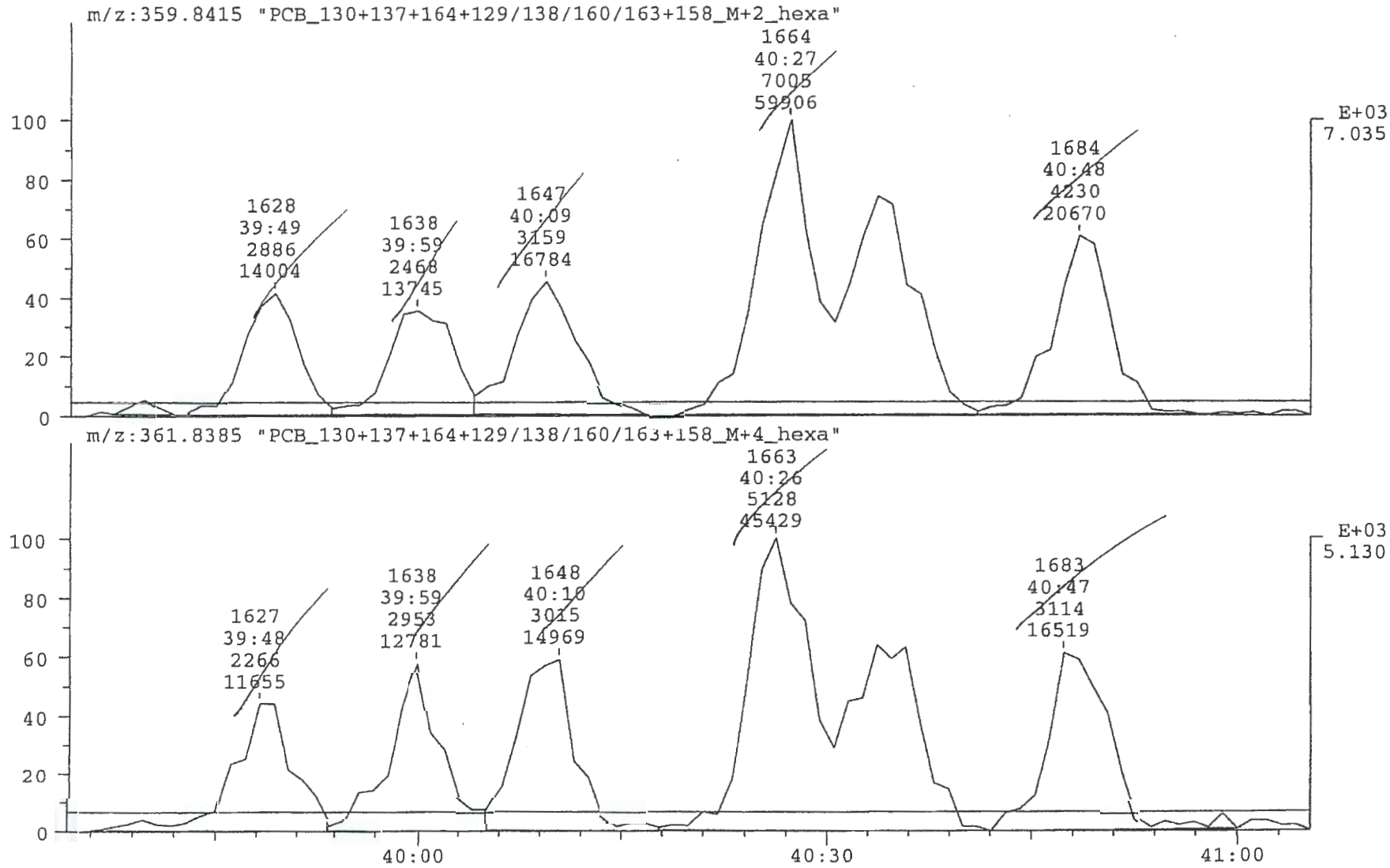
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  39:20      1601
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   1573 > 1621           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



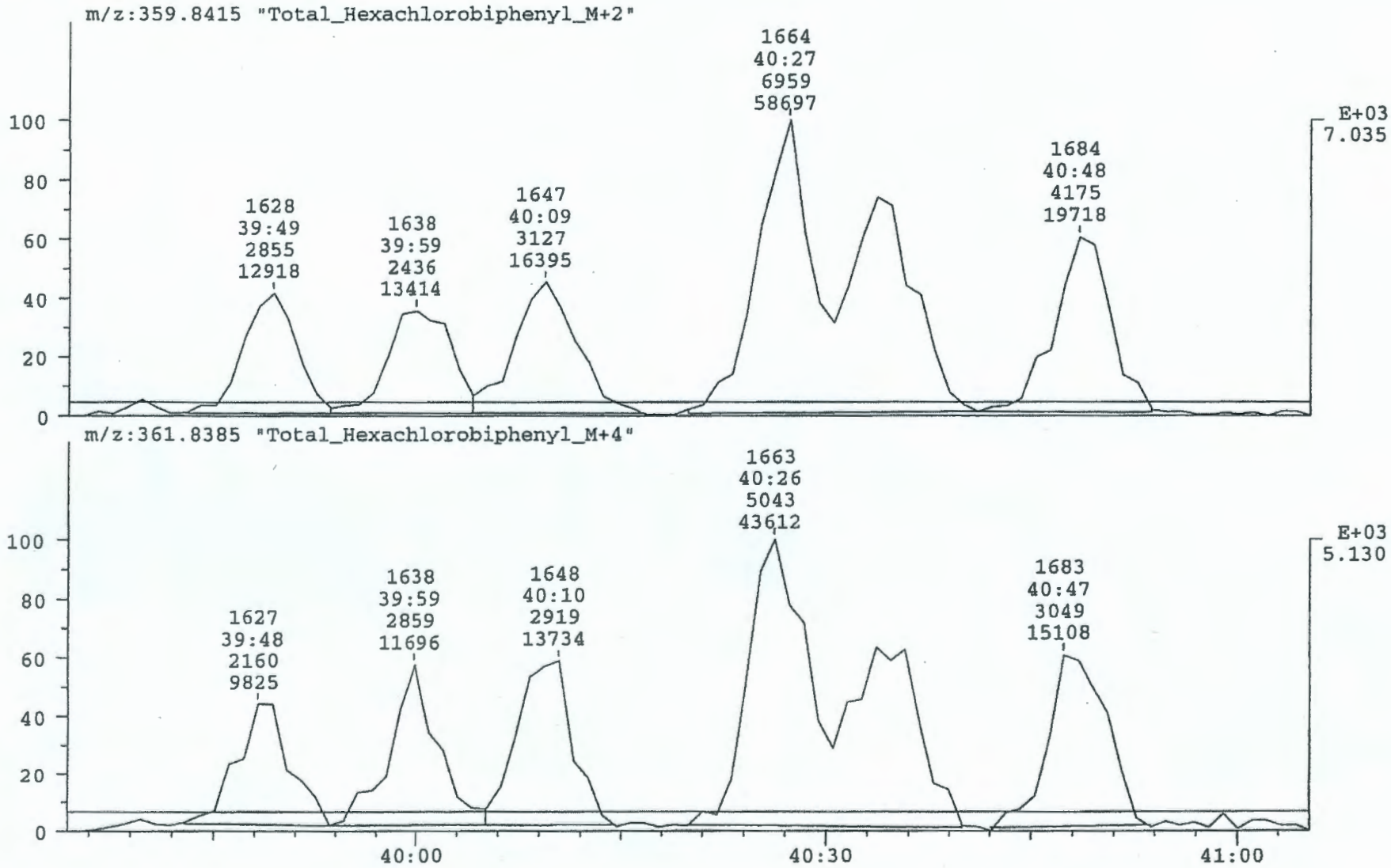
CHRO: a070313i6 13-Mar-07 Elapse: 56:12 2554
Samp: Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1 Start : 17:42:37 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL CS0.5
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1573 > 1621 Masses: 181 > 510
Area: 5, 1.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



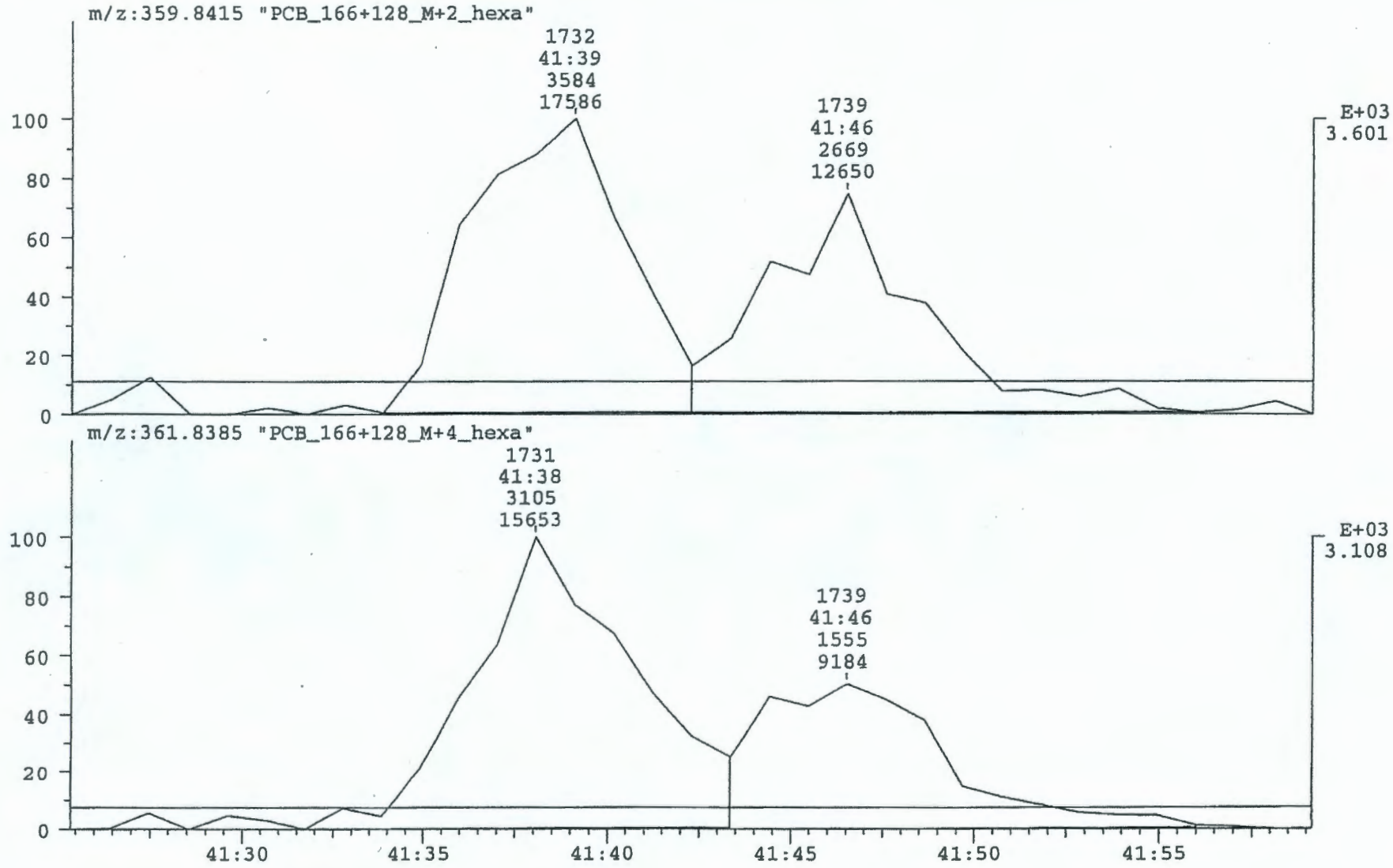
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  40:23      1660
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1614 > 1700           Masses:  181 > 510
Area:  5, 0.50, 0       Baseline  :   100, 7                Label :  -3, 3.0
Disp:  Height  Area
```



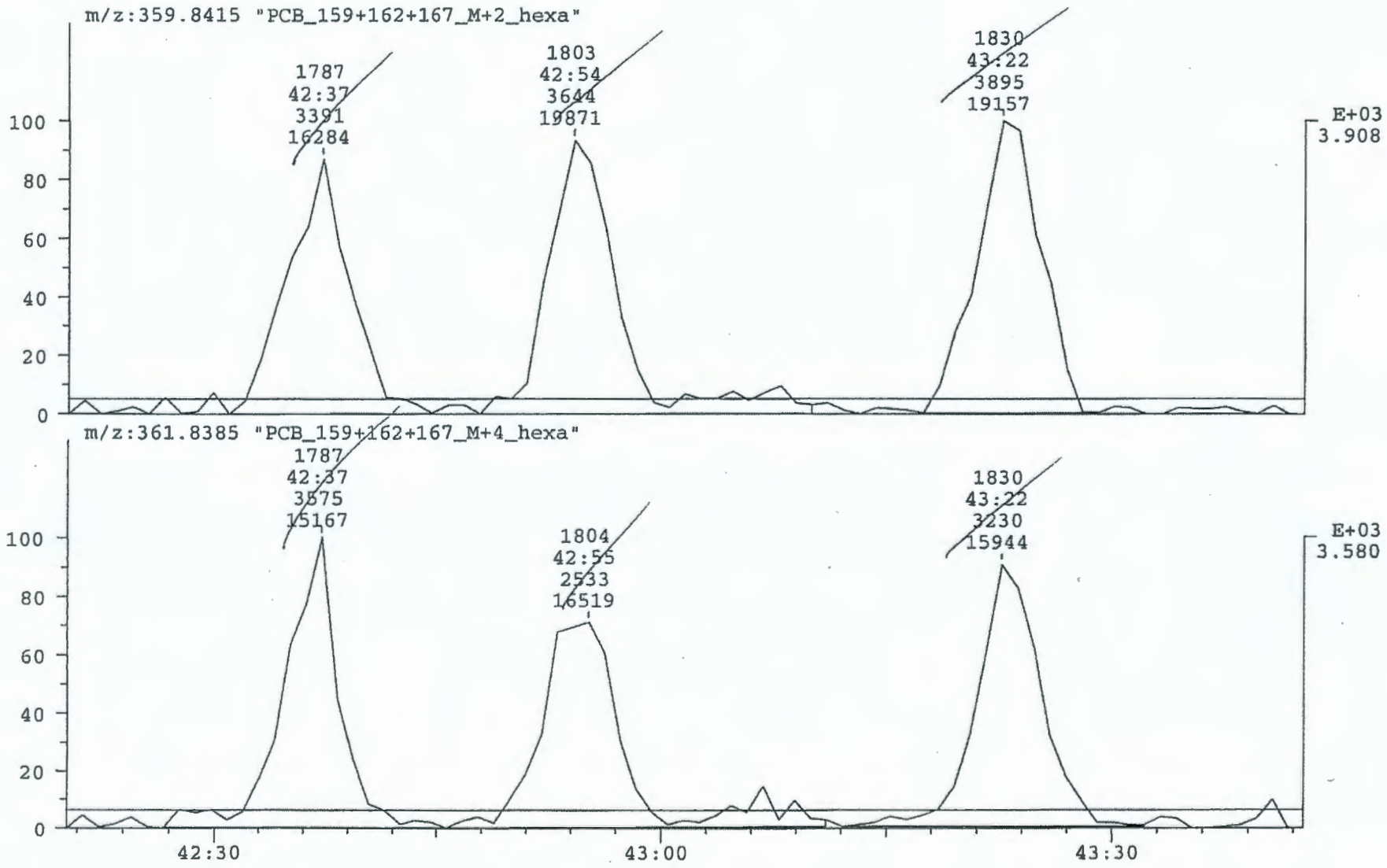
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1614 > 1700           Masses:  181 > 510
Area:  5, 1.50, 15      Baseline  :   100, 7                Label :  -3, 3.0
Disp:  Height  Area
```



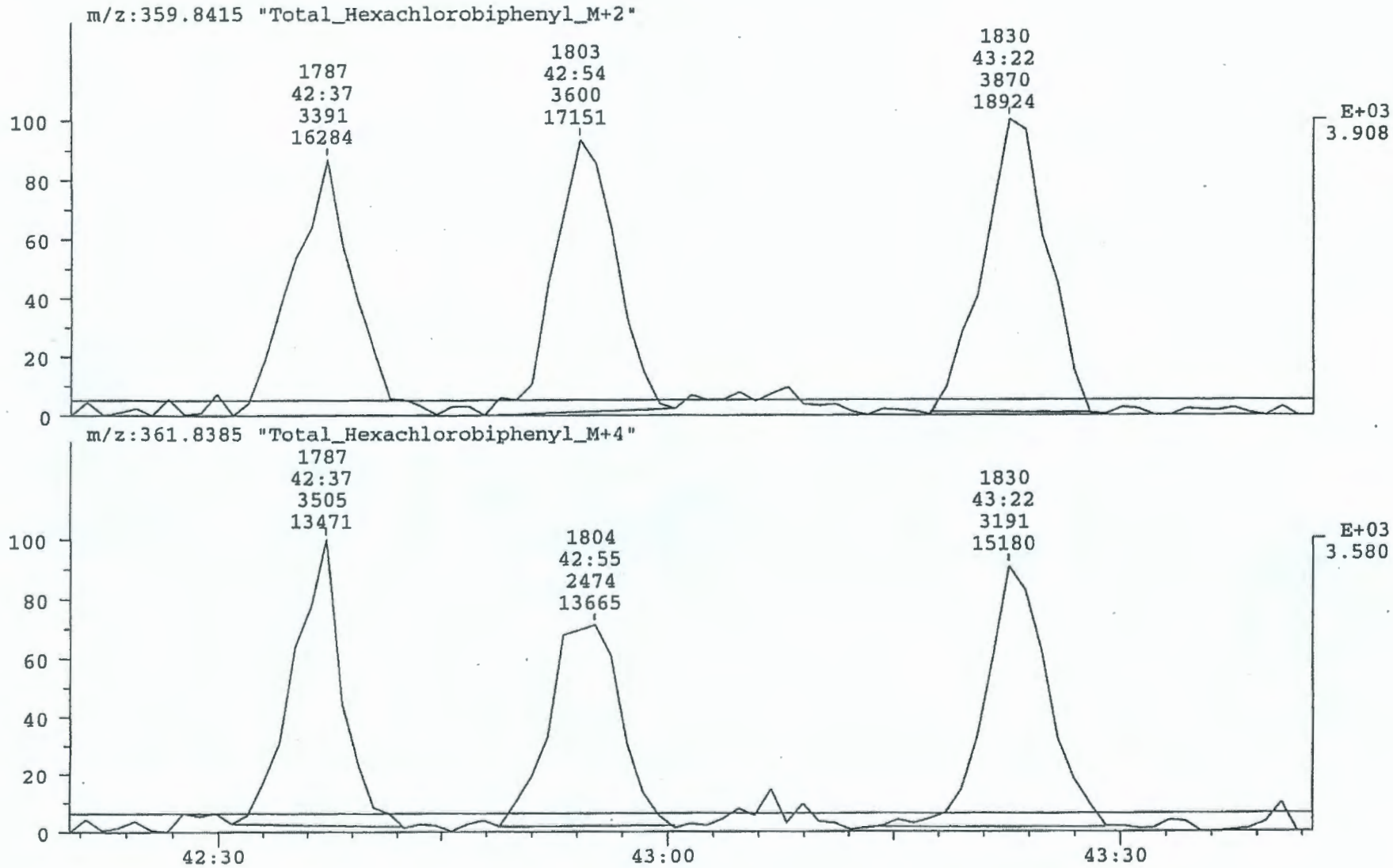
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  41:46      1739
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1719 > 1751          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 2               Label :  -3, 3.0
Disp:  Height  Area
```



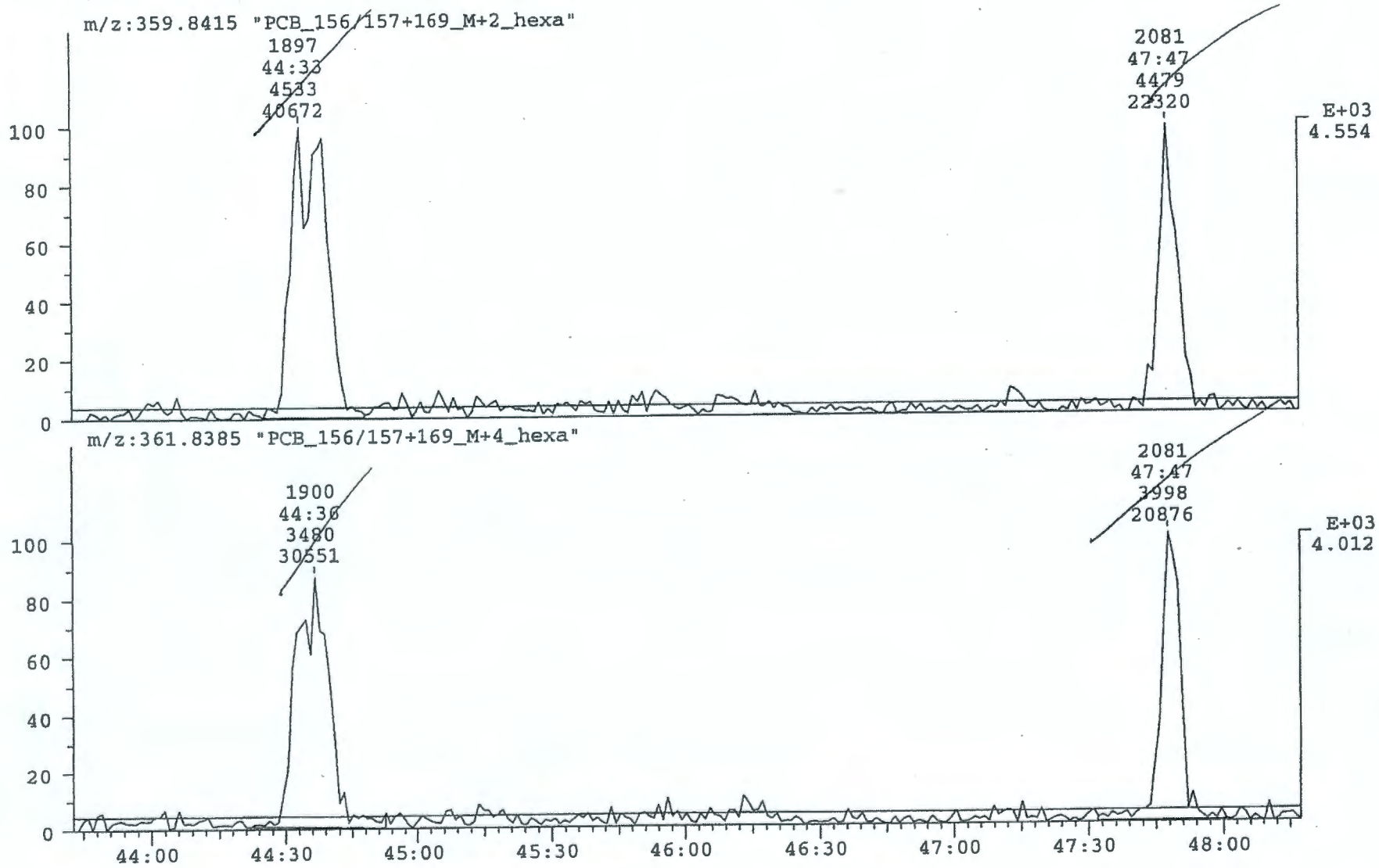
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  43:05      1814
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   1771 > 1849           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



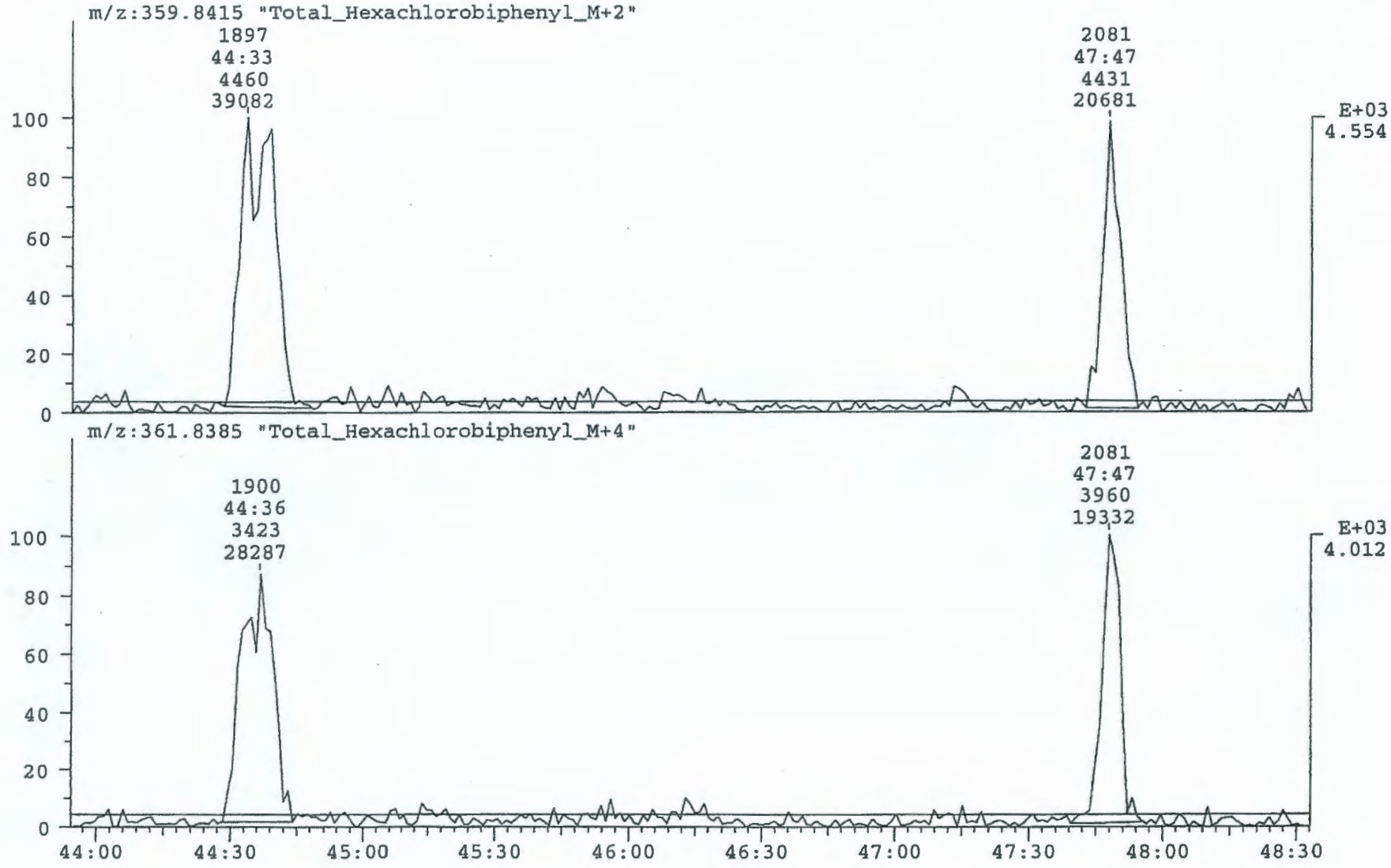
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1771 > 1849          Masses:  181 > 510
Area:  5, 1.40, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



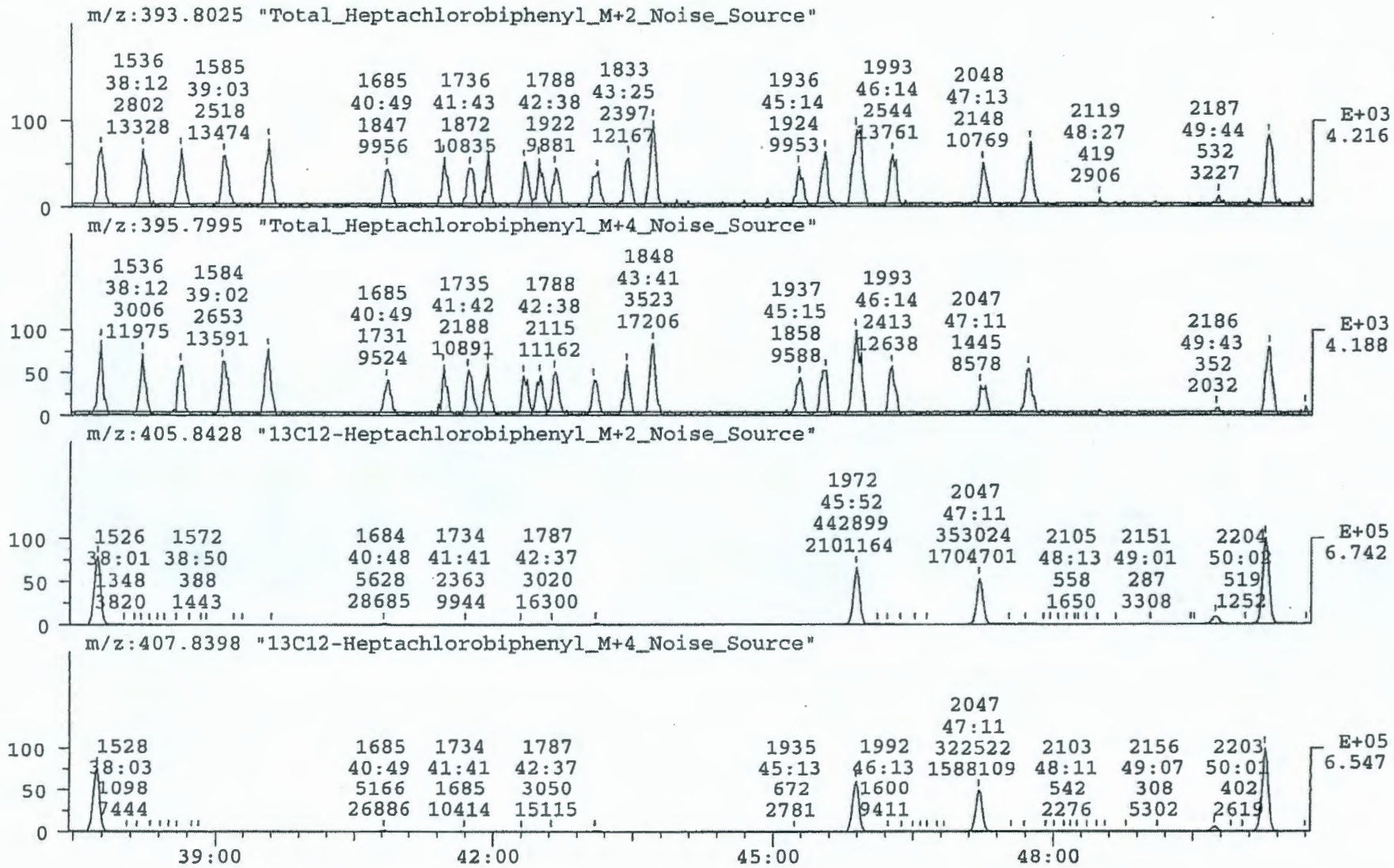
CHRO: a070313i6 13-Mar-07 Elapse: 46:15 1994
Samp: Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1 Start : 17:42:37 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL CS0.5
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1849 > 2109 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 8 Label : -3, 3.0
Disp: Height Area



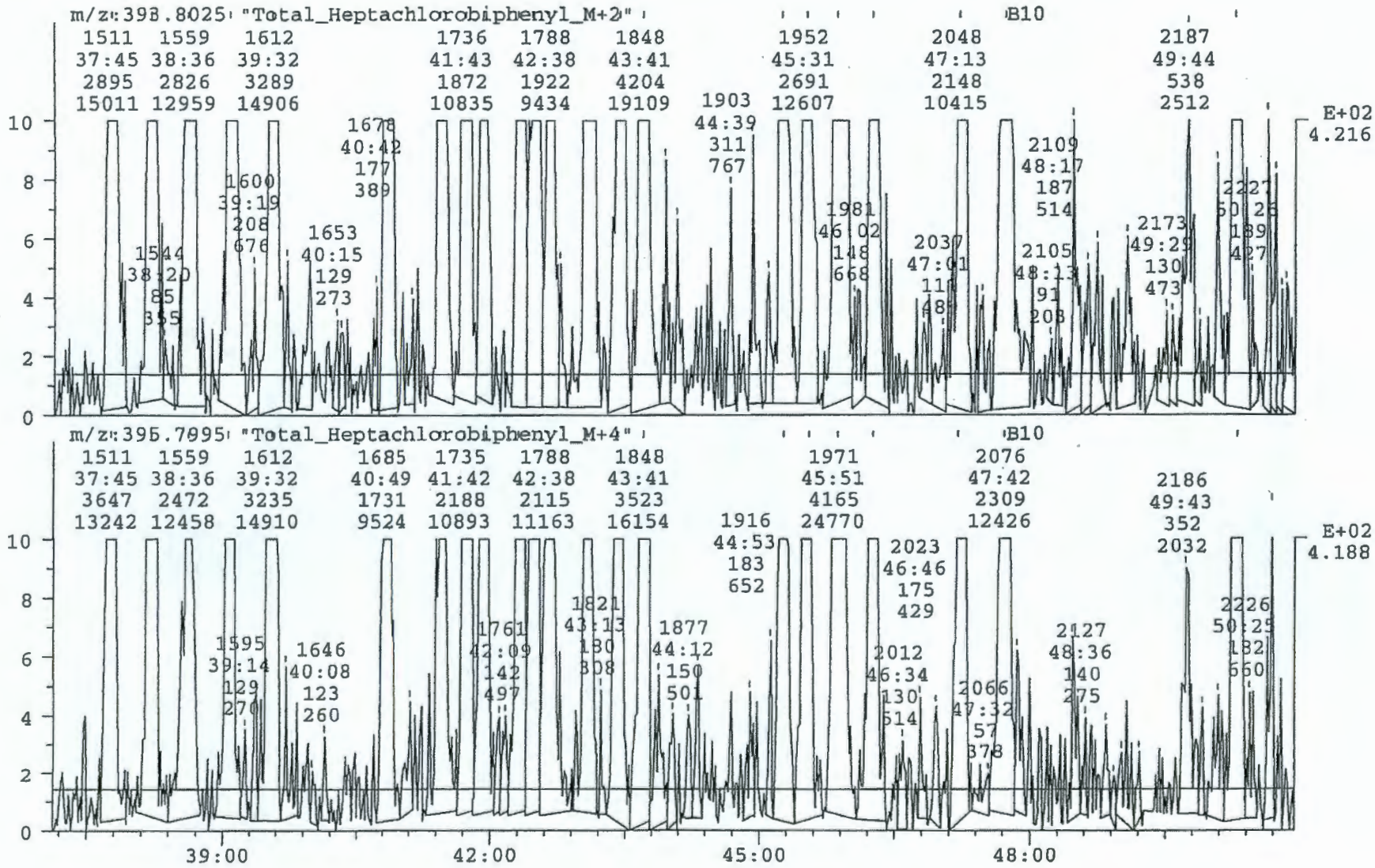
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   1860 > 2124           Masses:  181 > 510
Area:  5, 2.00, 15     Baseline  :   100, 8                Label :  -3, 3.0
Disp:  Height  Area
```



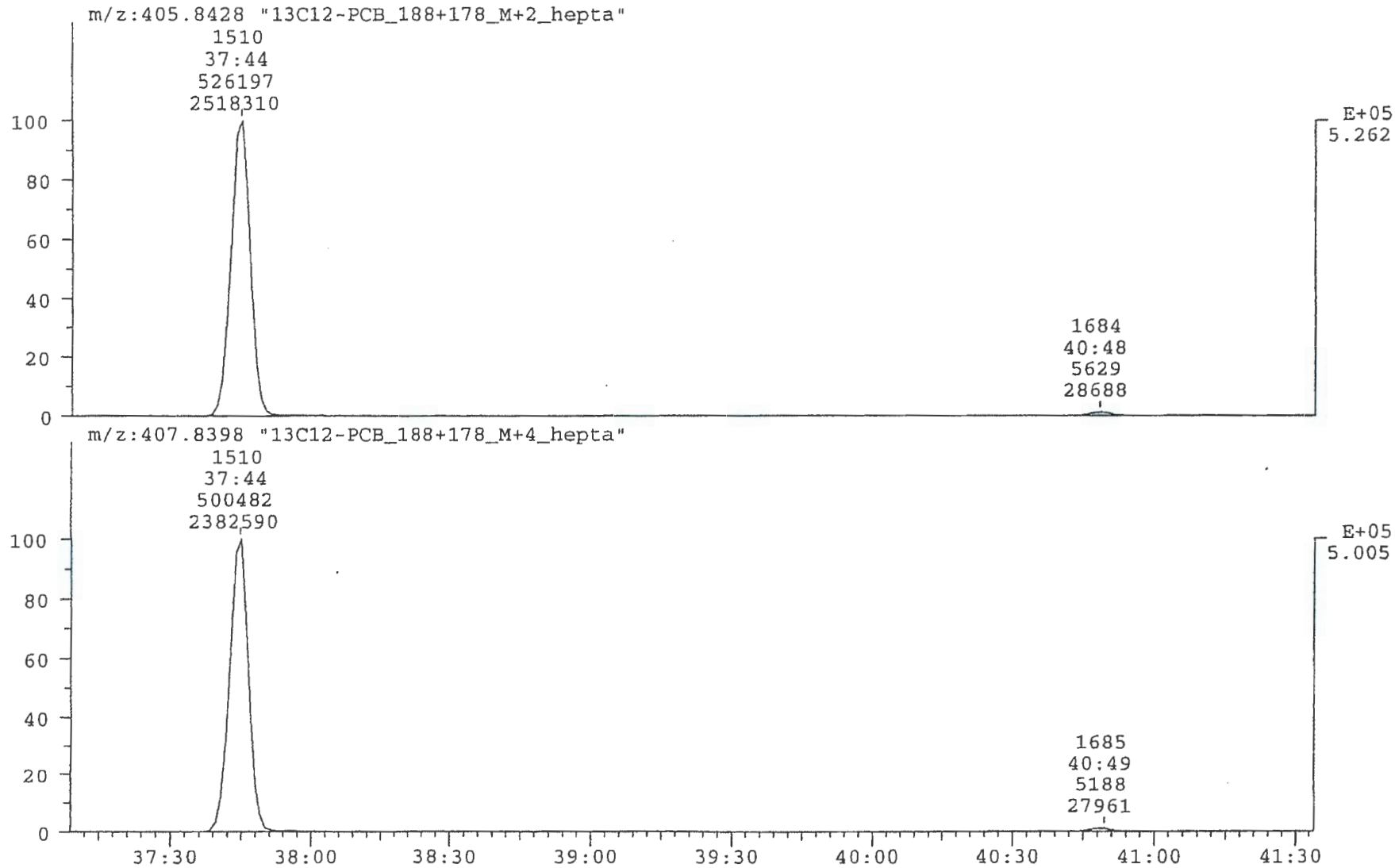
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  44:05      1871
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1493 > 2244          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



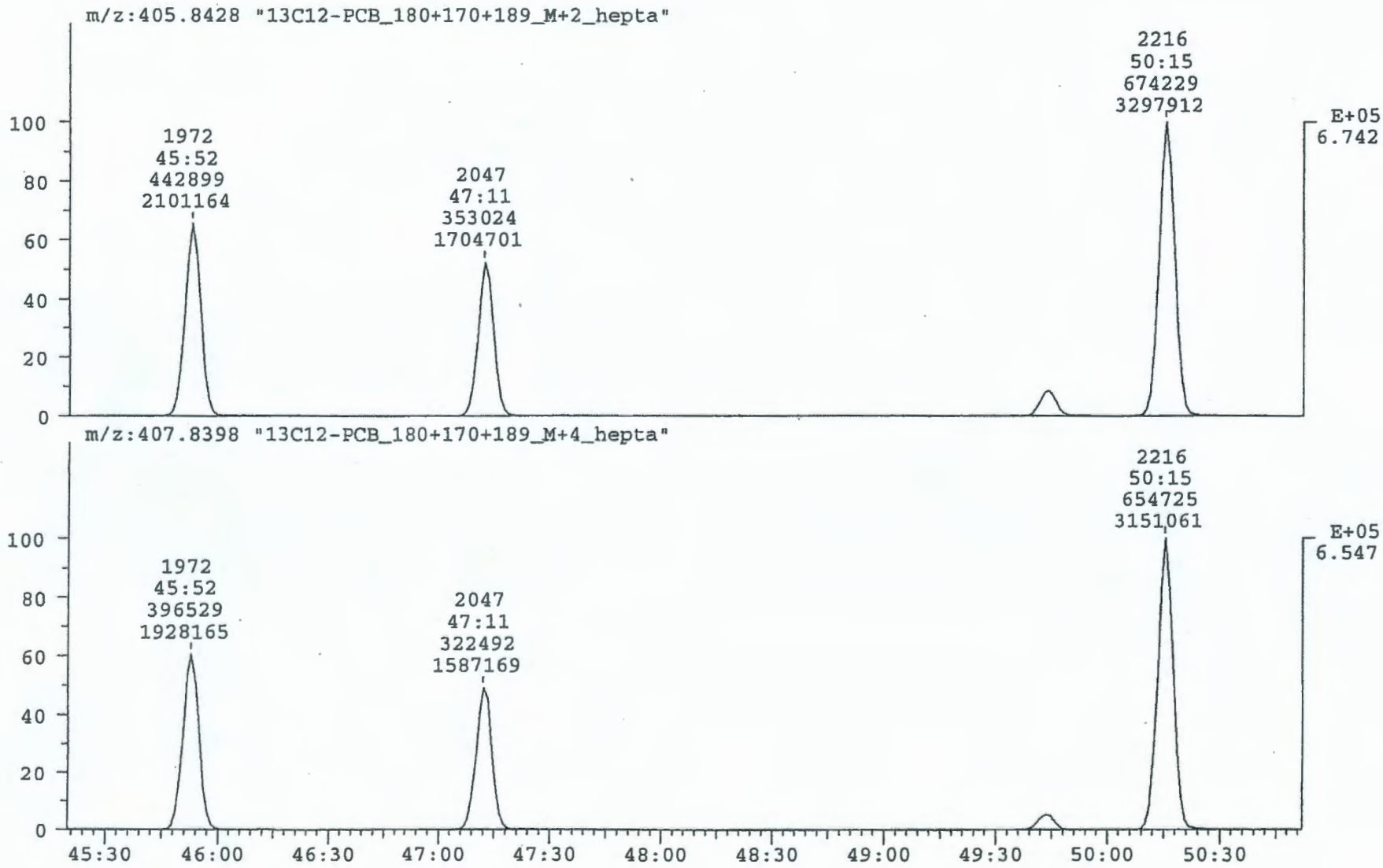
```
CHRO:  a07031316                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1475 > 2255          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 1.0
Disp:  Height  Area
```



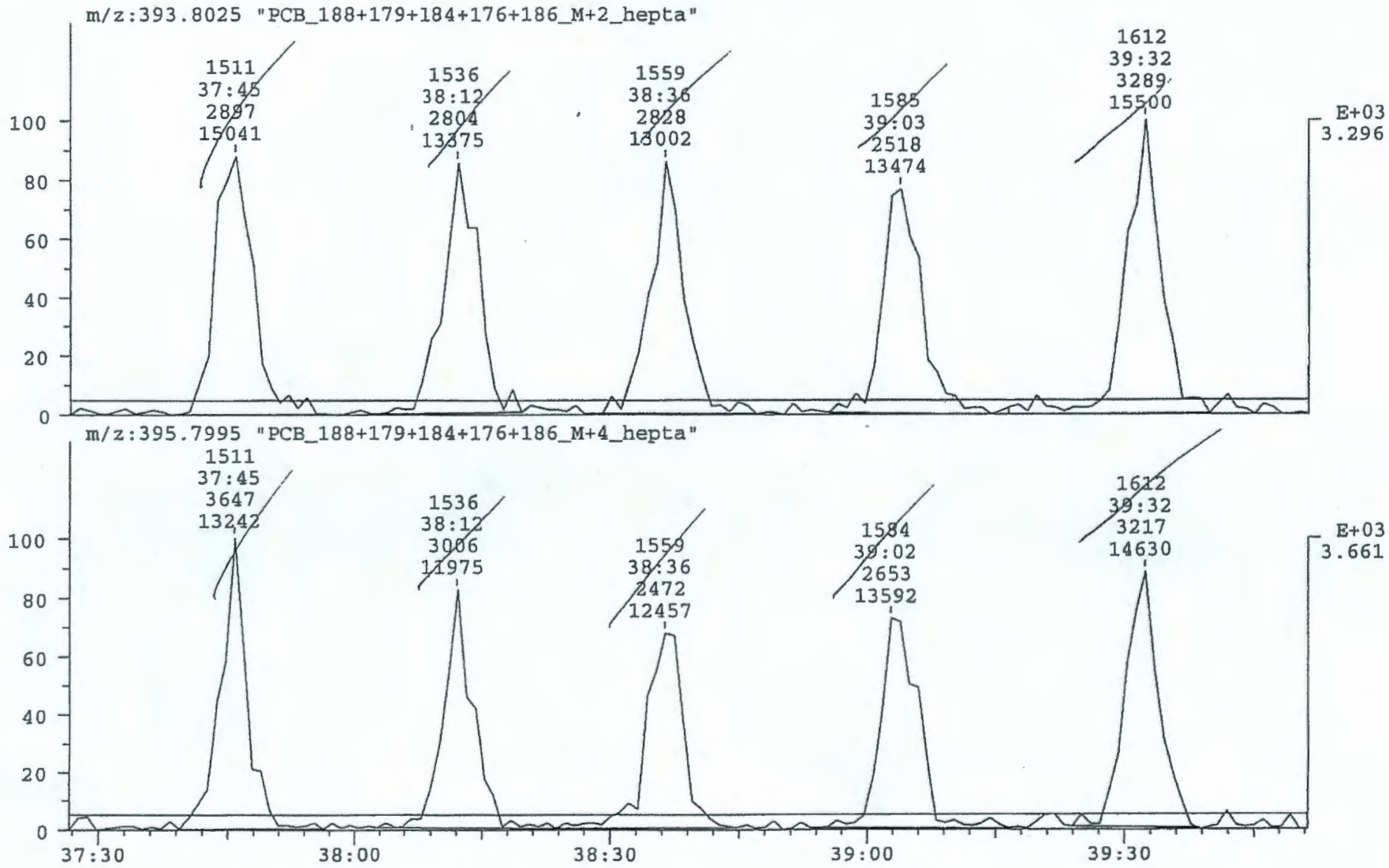
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  39:20      1601
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1476 > 1727          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



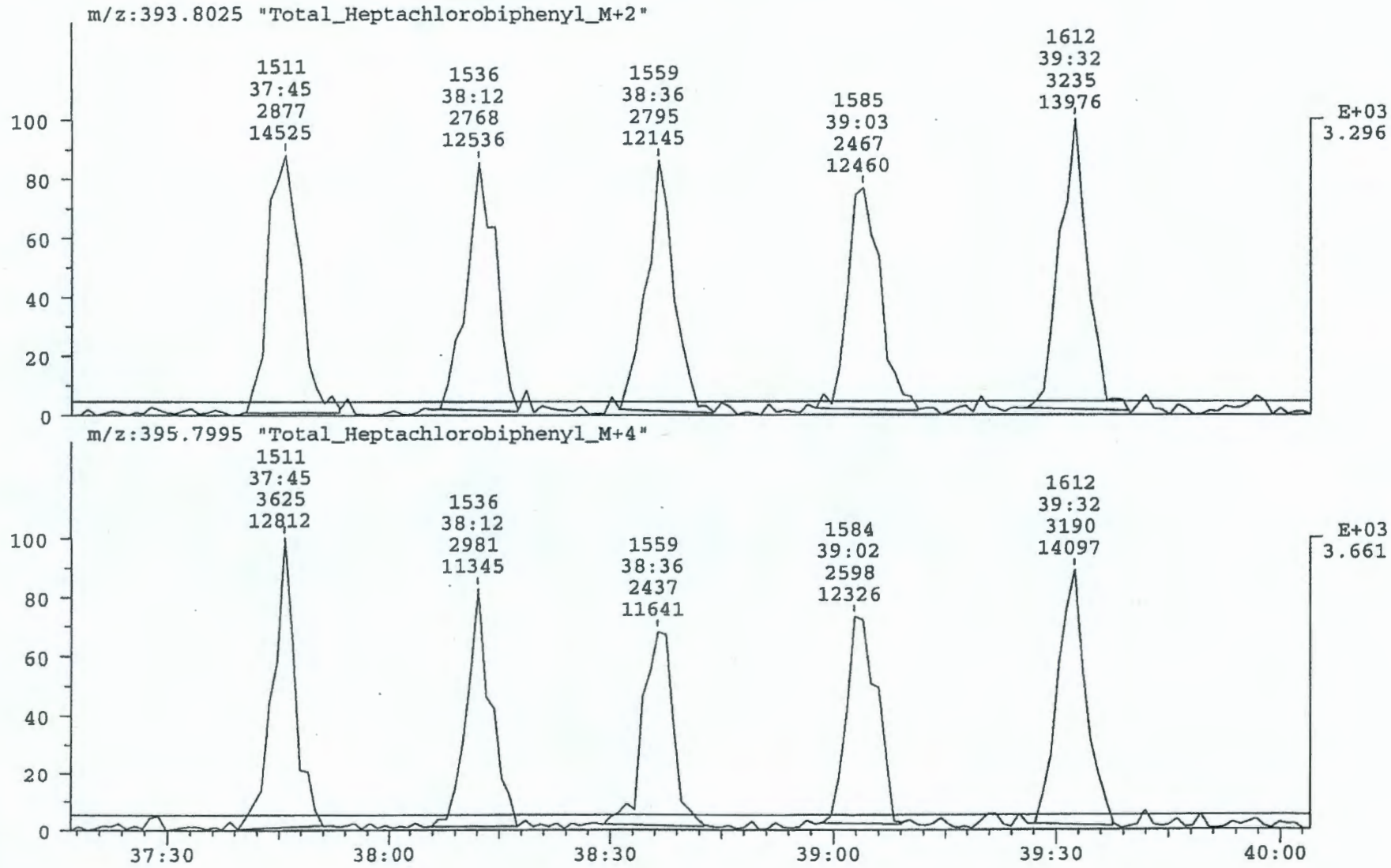
```
CHRO:  a070313i6                                13-Mar-07   Elapse:  48:08      2101
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1941 > 2251           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



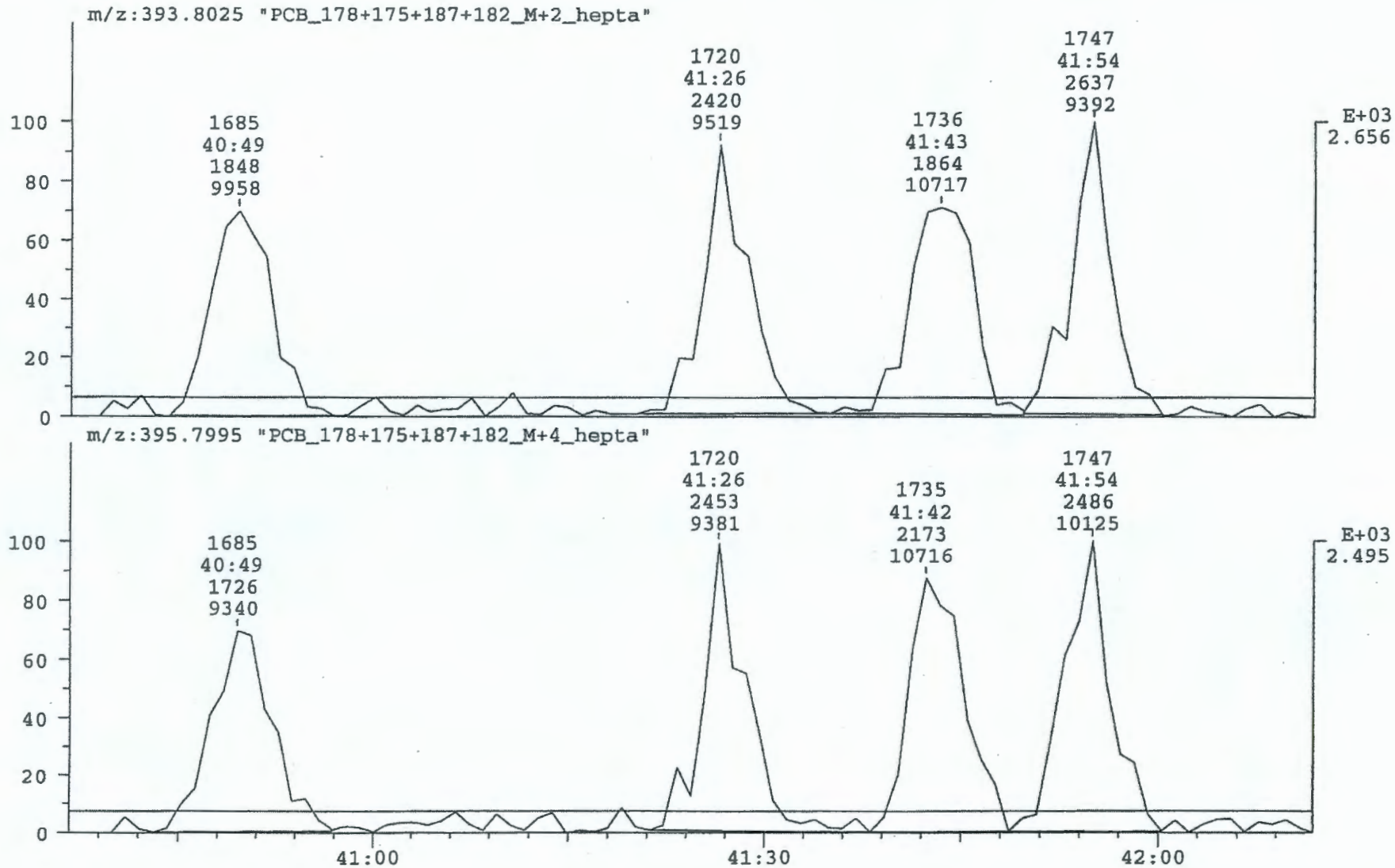
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  38:42      1565
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1493 > 1630          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



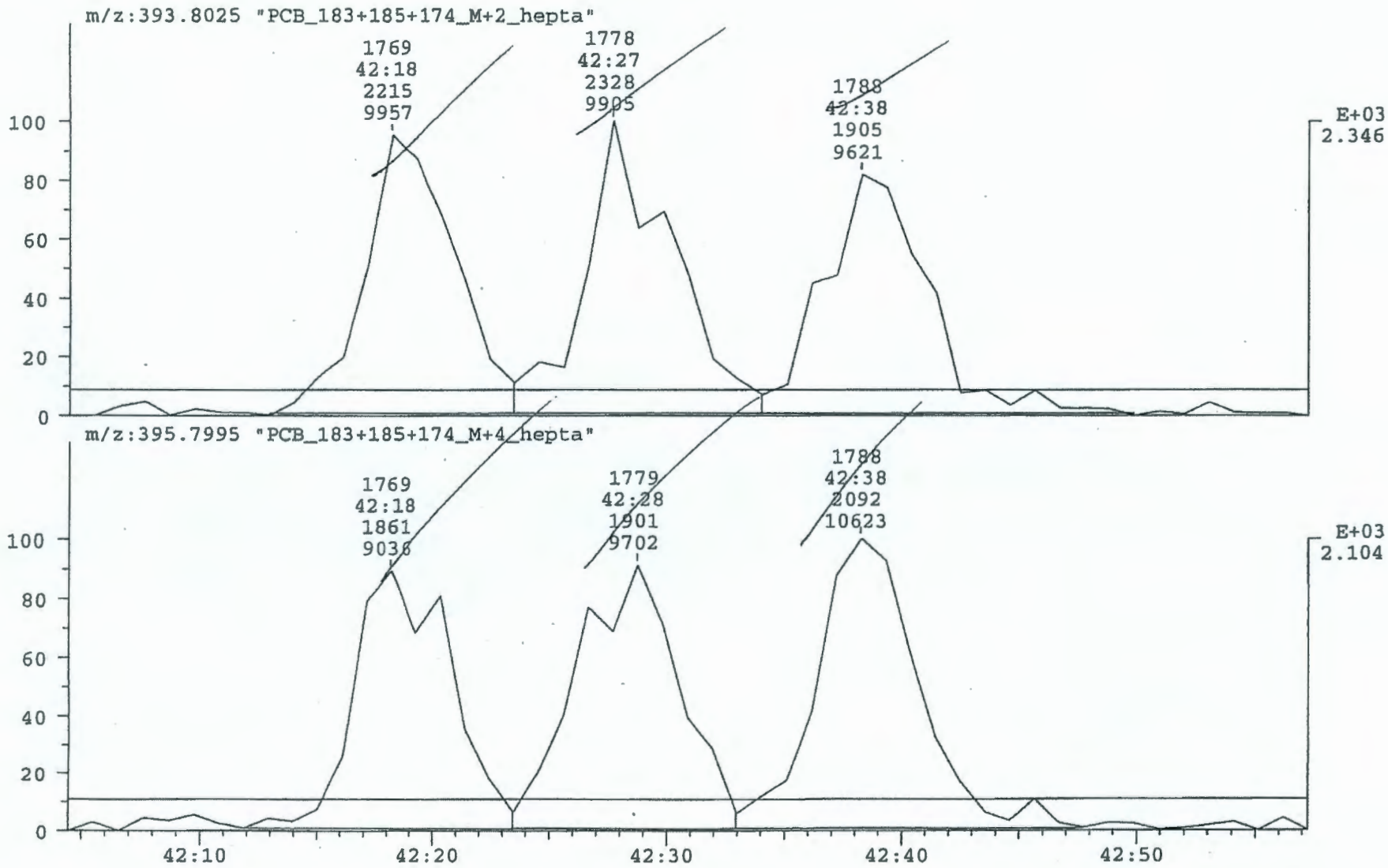
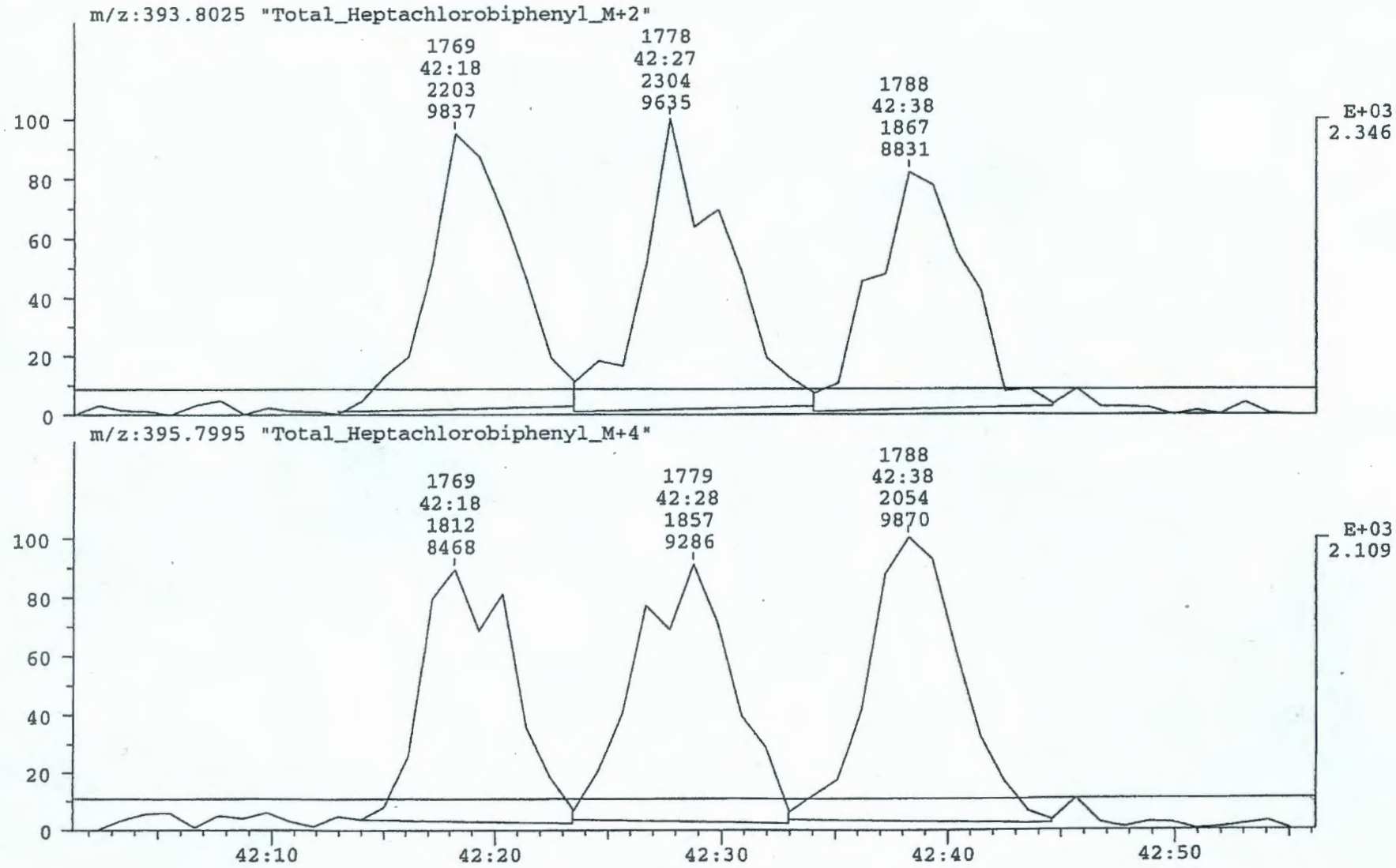
```
CHRO:  a070313i6                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   1484 > 1642           Masses:  181 > 510
Area:  5, 1.50, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



```
CHRO:  a070313i6                                13-Mar-07   Elapse:  41:29      1723
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1673 > 1763           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



```
CHRO:  a070313i6                                13-Mar-07   Elapse:  42:41      1791
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1                Start :  17:42:37   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL CS0.5
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   1756 > 1806            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



```
CHRO:  a070313i6                                13-Mar-07  Elapse:  56:12      2554
Samp:  Vial 3 WO=2990:71CS0.5 Meth=IE3 Dil=1               Start :  17:42:37   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL CS0.5
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1753 > 1805          Masses:  181 > 510
Area:  5, 1.20, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```