AR TARGET SHEET

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

EDMC#: 0074263
SECTION: 1 OF 6

DOCUMENT #: J00140

TITLE: Administrative Record Index

STL 0074263

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921

Tel: 865 291 3000 Fax: 865 584 4315
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. RC-097-3

RC-097-3
SDG #: J00140

Joan Kessner

Washington Closure Hanford
2620 Fermi Avenue
Richland, WA 99354

RECEIVED
NOV 01 2007
EDMC

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

October 18, 2007

J00140 Analytical Report **1**

Sample Receipt Documentation **90**

Trace Level Organics **99**
Raw Sample Data 100
Standards Data 941
Raw QC Data 2921
Miscellaneous Data 3118

Sample Receipt Documentation **3128**

Total Number of Pages **3136**

ANALYTICAL METHODS SUMMARY

J00140

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

J00140 : H7I280209

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J7V9M	001	J15J21	09/20/07	14:45
J7V9Q	002	J15J92	09/21/07	13:15
J7V9T	003	J15J91	09/20/07	10:30
J7V9W	004	J15J90	09/21/07	15:00
J7V90	005	J15J89	09/21/07	14:10
J7V91	006	J15J88	09/21/07	12:55
J7V93	007	J15J20	09/21/07	12:00

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.

PROJECT NARRATIVE
J00140

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

This report shall not be reproduced except in full, without the written approval of the laboratory.

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 sample J15J21, the recovery of the listed internal standard was outside acceptance limits (30-140%).

13C-PCB-208	148%

For sample J15J21 DUP, the recovery of the listed internal standards were outside acceptance limits (30-140%).

13C-PCB-208	142%
13C-PCB-209	143%

For sample J15J92, the recovery of the listed internal standards were outside acceptance limits (30-140%). For 13C12-PCB-1 and 13C12-PCB-3, the minimum required signal-to-noise ratio was present, and the target estimated detection limit for associated analytes was met.

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.

PROJECT NARRATIVE
J00140

13C12-PCB-1	10%
13C12-PCB-3	2.5%
13C12-PCB-189	141%
13C12-PCB-208	167%
13C12-PCB-209	145%

For sample J15J91, the recovery of the listed internal standards were outside acceptance limits (30-140%).

13C12-PCB-189	144%
13C12-PCB-208	165%
13C12-PCB-209	180%

For sample J15J90, the recovery of the listed internal standards were outside acceptance limits (30-140%).

13C12-PCB-208	159%
13C12-PCB-209	160%

For sample J15J89, the recovery of the listed internal standards were outside acceptance limits (30-140%).

13C12-PCB-208	154%
13C12-PCB-209	142%

For sample J15J88, the recovery of the listed internal standards were outside acceptance limits (30-140%). The minimum required signal-to-noise ratio was present, and the target estimated detection limit for associated analytes was met.

13C12-PCB-1	24%
13C12-PCB-3	6.0%

For sample J15J20, the recovery of the listed internal standards were outside acceptance limits (30-140%). The minimum required signal-to-noise ratio was present, and the target estimated detection limit for associated analytes was met.

13C12-PCB-1	22%
13C12-PCB-3	3.7%

The high internal standard recoveries for 13C-PCB-189, 13C-PCB-208, and 13C-PCB-209 were due to sample matrix which caused a broad ion suppression pattern across the retention time range in which these internal standards elute. Native PCB congeners in

PROJECT NARRATIVE
J00140

this range may exhibit a low or high bias depending upon the degree of suppression affecting the native versus the degree of suppression affecting the internal standard reference.

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

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

PROJECT NARRATIVE
J00140

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 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

PROJECT NARRATIVE
J00140

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 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")

PROJECT NARRATIVE
J00140

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

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

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

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

PROJECT NARRATIVE
J00140

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.)

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

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

PROJECT NARRATIVE
J00140

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							
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

PROJECT NARRATIVE
J00140

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

PROJECT NARRATIVE
J00140

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
22	2,3,4'-trichlorobiphenyl	38444-85-8	127	3,3',4,5,5'-pentachlorobiphenyl	39635-33-1
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

PROJECT NARRATIVE
J00140

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
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
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: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	**Work Order #....:**	J7V9M1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.0025**	**Q B J**	**0.010**	**0.00030**	**ng/g**
PCB 2 (BZ)	ND		0.010	0.00037	ng/g
PCB 3 (BZ)	ND		0.010	0.00042	ng/g
PCB 4 (BZ)	**0.0029**	**Q B J**	**0.020**	**0.0012**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.00092	ng/g
PCB 6 (BZ)	**0.0016**	**Q B J**	**0.010**	**0.00086**	**ng/g**
PCB 7 (BZ)	ND		0.010	0.00087	ng/g
PCB 8 (BZ)	**0.0062**	**Q B J**	**0.020**	**0.00084**	**ng/g**
PCB 9 (BZ)	ND		0.010	0.00086	ng/g
PCB 10 (BZ)	ND		0.010	0.00094	ng/g
PCB 11 (BZ)	**0.0040**	**Q B J**	**0.020**	**0.00086**	**ng/g**
PCB 12 (BZ)	ND		0.010	0.00085	ng/g
PCB 13 (BZ)	ND		0.010	0.00085	ng/g
PCB 14 (BZ)	ND		0.010	0.00074	ng/g
PCB 15 (BZ)	**0.0016**	**Q B J**	**0.010**	**0.00088**	**ng/g**
PCB 16 (BZ)	**0.0063**	**B J**	**0.010**	**0.00078**	**ng/g**
PCB 17 (BZ)	**0.010**	**B**	**0.010**	**0.00068**	**ng/g**
PCB 18 (BZ)	**0.028**	**B**	**0.020**	**0.00071**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.00076	ng/g
PCB 20 (BZ)	**0.094**	**B C**	**0.020**	**0.00044**	**ng/g**
PCB 21 (BZ)	**0.013**	**B C**	**0.010**	**0.00043**	**ng/g**
PCB 22 (BZ)	**0.013**	**B**	**0.010**	**0.00045**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00045	ng/g
PCB 24 (BZ)	ND		0.010	0.00050	ng/g
PCB 25 (BZ)	**0.0019**	**Q B J**	**0.010**	**0.00040**	**ng/g**
PCB 26 (BZ)	**0.0092**	**B C J**	**0.010**	**0.00043**	**ng/g**
PCB 27 (BZ)	ND		0.010	0.00046	ng/g
PCB 28 (BZ)	**0.094**	**B C20**	**0.020**	**0.00044**	**ng/g**
PCB 29 (BZ)	**0.0092**	**B C26 J**	**0.010**	**0.00043**	**ng/g**
PCB 30 (BZ)	ND		0.020	0.00048	ng/g
PCB 31 (BZ)	**0.043**	**B**	**0.020**	**0.00043**	**ng/g**
PCB 32 (BZ)	**0.0023**	**Q B J**	**0.010**	**0.00046**	**ng/g**
PCB 33 (BZ)	**0.013**	**B C21**	**0.010**	**0.00043**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00045	ng/g
PCB 35 (BZ)	ND		0.010	0.00046	ng/g
PCB 36 (BZ)	ND		0.010	0.00043	ng/g

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	**Work Order #....:**	J7V9M1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0032	B J	0.010	0.00045	ng/g
PCB 38 (BZ)	ND		0.010	0.00044	ng/g
PCB 39 (BZ)	ND		0.010	0.00041	ng/g
PCB 40 (BZ)	0.017	B C	0.010	0.00078	ng/g
PCB 41 (BZ)	0.0038	Q J	0.010	0.0010	ng/g
PCB 42 (BZ)	0.023		0.010	0.00086	ng/g
PCB 43 (BZ)	0.0053	B C J	0.010	0.00077	ng/g
PCB 44 (BZ)	0.12	B C	0.010	0.00072	ng/g
PCB 45 (BZ)	0.0030	B C J	0.010	0.00086	ng/g
PCB 46 (BZ)	ND		0.010	0.0010	ng/g
PCB 47 (BZ)	0.12	B C44	0.010	0.00072	ng/g
PCB 48 (BZ)	0.017		0.010	0.00083	ng/g
PCB 49 (BZ)	0.12	B	0.010	0.00074	ng/g
PCB 50 (BZ)	0.0032	B C J	0.010	0.00080	ng/g
PCB 51 (BZ)	0.0030	B C45 J	0.010	0.00086	ng/g
PCB 52 (BZ)	0.24	B	0.010	0.00080	ng/g
PCB 53 (BZ)	0.0032	B C50 J	0.010	0.00080	ng/g
PCB 54 (BZ)	ND		0.010	0.00083	ng/g
PCB 55 (BZ)	0.0082	J	0.010	0.00064	ng/g
PCB 56 (BZ)	0.019		0.010	0.00060	ng/g
PCB 57 (BZ)	ND		0.010	0.00062	ng/g
PCB 58 (BZ)	0.0052	J	0.010	0.00059	ng/g
PCB 59 (BZ)	0.011	Q B C	0.010	0.00057	ng/g
PCB 60 (BZ)	0.071		0.010	0.00062	ng/g
PCB 61 (BZ)	ND		0.020	0.00062	ng/g
PCB 62 (BZ)	0.011	Q B C59	0.010	0.00057	ng/g
PCB 63 (BZ)	0.014		0.010	0.00055	ng/g
PCB 64 (BZ)	0.065	B	0.010	0.00056	ng/g
PCB 65 (BZ)	0.12	B C44	0.010	0.00072	ng/g
PCB 66 (BZ)	0.34	B	0.010	0.00057	ng/g
PCB 67 (BZ)	0.0018	Q J	0.010	0.00057	ng/g
PCB 68 (BZ)	0.0023	Q B J	0.010	0.00056	ng/g
PCB 69 (BZ)	ND		0.010	0.00063	ng/g
PCB 70 (BZ)	0.42	B C	0.020	0.00056	ng/g
PCB 71 (BZ)	0.017	B C40	0.010	0.00078	ng/g
PCB 72 (BZ)	0.0025	Q J	0.010	0.00059	ng/g

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	**Work Order #....:**	J7V9M1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.0053**	**B C43 J**	**0.010**	**0.00077**	**ng/g**
PCB 74 (BZ)	**0.42**	**B C70**	**0.020**	**0.00056**	**ng/g**
PCB 75 (BZ)	**0.011**	**Q B C59**	**0.010**	**0.00057**	**ng/g**
PCB 76 (BZ)	**0.42**	**B C70**	**0.020**	**0.00056**	**ng/g**
PCB 77 (BZ)	**0.014**	**Q**	**0.010**	**0.00061**	**ng/g**
PCB 78 (BZ)	ND		0.010	0.00063	ng/g
PCB 79 (BZ)	**0.0025**	**J**	**0.010**	**0.00054**	**ng/g**
PCB 80 (BZ)	ND		0.010	0.00052	ng/g
PCB 81 (BZ)	ND		0.010	0.00057	ng/g
PCB 82 (BZ)	**0.013**	**Q**	**0.010**	**0.0016**	**ng/g**
PCB 83 (BZ)	**0.84**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 84 (BZ)	**0.024**		**0.010**	**0.0014**	**ng/g**
PCB 85 (BZ)	**0.25**	**C**	**0.010**	**0.00097**	**ng/g**
PCB 86 (BZ)	**0.35**	**C**	**0.010**	**0.00098**	**ng/g**
PCB 87 (BZ)	**0.35**	**C86**	**0.010**	**0.00098**	**ng/g**
PCB 88 (BZ)	ND		0.010	0.0013	ng/g
PCB 89 (BZ)	ND		0.010	0.0013	ng/g
PCB 90 (BZ)	**0.83**	**B C**	**0.010**	**0.00096**	**ng/g**
PCB 91 (BZ)	**0.027**	**Q**	**0.010**	**0.0011**	**ng/g**
PCB 92 (BZ)	**0.16**		**0.010**	**0.0012**	**ng/g**
PCB 93 (BZ)	ND		0.010	0.0013	ng/g
PCB 94 (BZ)	ND		0.010	0.0013	ng/g
PCB 95 (BZ)	**0.18**	**B C**	**0.010**	**0.0011**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.00093	ng/g
PCB 97 (BZ)	**0.35**	**C86**	**0.010**	**0.00098**	**ng/g**
PCB 98 (BZ)	ND		0.010	0.0012	ng/g
PCB 99 (BZ)	**0.84**	**C83**	**0.010**	**0.0012**	**ng/g**
PCB 100 (BZ)	**0.18**	**B C95**	**0.010**	**0.0011**	**ng/g**
PCB 101 (BZ)	**0.83**	**B C90**	**0.010**	**0.00096**	**ng/g**
PCB 102 (BZ)	ND		0.010	0.0012	ng/g
PCB 103 (BZ)	ND		0.010	0.0011	ng/g
PCB 104 (BZ)	ND		0.010	0.00082	ng/g
PCB 105 (BZ)	**0.56**		**0.010**	**0.00066**	**ng/g**
PCB 106 (BZ)	ND		0.010	0.00075	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.12**		**0.010**	**0.00073**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.019**	**Q C**	**0.010**	**0.00070**	**ng/g**

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	**Work Order #....:**	J7V9M1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	0.35	C86	0.010	0.00098	ng/g
PCB 110 (BZ)	0.68	B C	0.010	0.00083	ng/g
PCB 111 (BZ)	ND		0.010	0.00084	ng/g
PCB 112 (BZ)	ND		0.010	0.00088	ng/g
PCB 113 (BZ)	0.83	B C90	0.010	0.00096	ng/g
PCB 114 (BZ)	0.033		0.010	0.00065	ng/g
PCB 115 (BZ)	0.68	B C110	0.010	0.00083	ng/g
PCB 116 (BZ)	0.25	C85	0.010	0.00097	ng/g
PCB 117 (BZ)	0.25	C85	0.010	0.00097	ng/g
PCB 118 (BZ)	1.6	B	0.010	0.00066	ng/g
PCB 119 (BZ)	0.35	C86	0.010	0.00098	ng/g
PCB 120 (BZ)	ND		0.010	0.00079	ng/g
PCB 121 (BZ)	ND		0.010	0.00086	ng/g
PCB 122 (BZ)	ND		0.010	0.00075	ng/g
PCB 123 (BZ)	0.021		0.010	0.00070	ng/g
PCB 124 (BZ)	0.019	Q C108	0.010	0.00070	ng/g
PCB 125 (BZ)	0.35	C86	0.010	0.00098	ng/g
PCB 126 (BZ)	0.0083	Q J	0.010	0.00075	ng/g
PCB 127 (BZ)	0.0025	Q J	0.010	0.00070	ng/g
PCB 128 (BZ)	0.40		0.010	0.0018	ng/g
PCB 129 (BZ)	2.5	B C	0.010	0.0015	ng/g
PCB 130 (BZ)	0.081		0.010	0.0019	ng/g
PCB 131 (BZ)	0.0027	Q J	0.010	0.0019	ng/g
PCB 132 (BZ)	0.065	B	0.010	0.0019	ng/g
PCB 133 (BZ)	0.031		0.010	0.0018	ng/g
PCB 134 (BZ)	0.018	C	0.010	0.0019	ng/g
PCB 135 (BZ)	0.20	B C	0.010	0.0013	ng/g
PCB 136 (BZ)	0.032	B	0.010	0.0011	ng/g
PCB 137 (BZ)	0.080		0.010	0.0016	ng/g
PCB 138 (BZ)	2.5	B C129	0.010	0.0015	ng/g
PCB 139 (BZ)	0.026	C	0.010	0.0016	ng/g
PCB 140 (BZ)	0.026	C139	0.010	0.0016	ng/g
PCB 141 (BZ)	0.15		0.010	0.0018	ng/g
PCB 142 (BZ)	ND		0.010	0.0019	ng/g
PCB 143 (BZ)	0.018	C134	0.010	0.0019	ng/g
PCB 144 (BZ)	0.021		0.010	0.0014	ng/g

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	**Work Order #....:**	J7V9M1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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	0.0010	ng/g
PCB 146 (BZ)	**0.36**		**0.010**	**0.0016**	**ng/g**
PCB 147 (BZ)	**0.17**	**B C**	**0.010**	**0.0016**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.0014	ng/g
PCB 149 (BZ)	**0.17**	**B C147**	**0.010**	**0.0016**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.0010	ng/g
PCB 151 (BZ)	**0.20**	**B C135**	**0.010**	**0.0013**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0010	ng/g
PCB 153 (BZ)	**2.2**	**B C**	**0.010**	**0.0013**	**ng/g**
PCB 154 (BZ)	**0.20**	**B C135**	**0.010**	**0.0013**	**ng/g**
PCB 155 (BZ)	ND		0.010	0.00093	ng/g
PCB 156 (BZ)	**0.19**	**C**	**0.010**	**0.0015**	**ng/g**
PCB 157 (BZ)	**0.19**	**C156**	**0.010**	**0.0015**	**ng/g**
PCB 158 (BZ)	**0.18**		**0.010**	**0.0011**	**ng/g**
PCB 159 (BZ)	ND		0.010	0.0013	ng/g
PCB 160 (BZ)	**2.5**	**B C129**	**0.010**	**0.0015**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0012	ng/g
PCB 162 (BZ)	**0.0074**	**Q J**	**0.010**	**0.0013**	**ng/g**
PCB 163 (BZ)	**2.5**	**B C129**	**0.010**	**0.0015**	**ng/g**
PCB 164 (BZ)	**0.059**		**0.010**	**0.0013**	**ng/g**
PCB 165 (BZ)	ND		0.010	0.0014	ng/g
PCB 166 (BZ)	**0.020**	**Q**	**0.010**	**0.0012**	**ng/g**
PCB 167 (BZ)	**0.061**		**0.010**	**0.00079**	**ng/g**
PCB 168 (BZ)	**2.2**	**B C153**	**0.010**	**0.0013**	**ng/g**
PCB 169 (BZ)	**0.0028**	**Q J**	**0.010**	**0.0011**	**ng/g**
PCB 170 (BZ)	**0.24**		**0.010**	**0.0012**	**ng/g**
PCB 171 (BZ)	**0.072**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 172 (BZ)	**0.044**		**0.010**	**0.0012**	**ng/g**
PCB 173 (BZ)	**0.072**	**C171**	**0.010**	**0.0012**	**ng/g**
PCB 174 (BZ)	**0.025**		**0.010**	**0.0011**	**ng/g**
PCB 175 (BZ)	**0.0060**	**J**	**0.010**	**0.0011**	**ng/g**
PCB 176 (BZ)	**0.0020**	**Q J**	**0.010**	**0.00079**	**ng/g**
PCB 177 (BZ)	**0.065**		**0.010**	**0.0011**	**ng/g**
PCB 178 (BZ)	**0.076**		**0.010**	**0.0011**	**ng/g**
PCB 179 (BZ)	**0.037**	**B**	**0.010**	**0.00083**	**ng/g**
PCB 180 (BZ)	**0.60**	**C**	**0.010**	**0.00087**	**ng/g**

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	**Work Order #....:**	J7V9M1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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**	**Q J**	**0.010**	**0.0010**	**ng/g**
PCB 182 (BZ)	ND		0.010	0.0010	ng/g
PCB 183 (BZ)	**0.16**	**B**	**0.010**	**0.0010**	**ng/g**
PCB 184 (BZ)	**0.0020**	**J**	**0.010**	**0.00084**	**ng/g**
PCB 185 (BZ)	**0.014**		**0.010**	**0.0011**	**ng/g**
PCB 186 (BZ)	ND		0.010	0.00082	ng/g
PCB 187 (BZ)	**0.53**		**0.010**	**0.00098**	**ng/g**
PCB 188 (BZ)	ND		0.010	0.00075	ng/g
PCB 189 (BZ)	**0.0076**	**J**	**0.010**	**0.00091**	**ng/g**
PCB 190 (BZ)	**0.064**		**0.010**	**0.00079**	**ng/g**
PCB 191 (BZ)	**0.010**	**Q**	**0.010**	**0.00081**	**ng/g**
PCB 192 (BZ)	ND		0.010	0.00086	ng/g
PCB 193 (BZ)	**0.60**	**C180**	**0.010**	**0.00087**	**ng/g**
PCB 194 (BZ)	**0.097**		**0.010**	**0.0014**	**ng/g**
PCB 195 (BZ)	**0.062**		**0.010**	**0.0016**	**ng/g**
PCB 196 (BZ)	**0.036**		**0.010**	**0.00068**	**ng/g**
PCB 197 (BZ)	**0.0034**	**J**	**0.010**	**0.00048**	**ng/g**
PCB 198 (BZ)	**0.14**	**C**	**0.010**	**0.00067**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.14**	**C198**	**0.010**	**0.00067**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00050	ng/g
PCB 200 (BZ)/201 (IUPAC)	**0.0068**	**J**	**0.010**	**0.00047**	**ng/g**
PCB 202 (BZ)	**0.038**		**0.010**	**0.00052**	**ng/g**
PCB 203 (BZ)	**0.085**		**0.010**	**0.00060**	**ng/g**
PCB 204 (BZ)	ND		0.010	0.00050	ng/g
PCB 205 (BZ)	**0.0062**	**Q J**	**0.010**	**0.0011**	**ng/g**
PCB 206 (BZ)	**0.055**		**0.010**	**0.00087**	**ng/g**
PCB 207 (BZ)	**0.0029**	**Q J**	**0.010**	**0.00044**	**ng/g**
PCB 208 (BZ)	**0.016**	**Q**	**0.010**	**0.00038**	**ng/g**
PCB 209 (BZ)	**0.030**		**0.010**	**0.00050**	**ng/g**

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	**Work Order #....:**	J7V9M1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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	56		30 - 140
13C12-PCB 3	45		30 - 140
13C12-PCB 4	74		30 - 140
13C12-PCB 15	77		30 - 140
13C12-PCB 19	78		30 - 140
13C12-PCB 37	81		30 - 140
13C12-PCB 54	75		30 - 140
13C12-PCB 77	82		30 - 140
13C12-PCB 81	81		30 - 140
13C12-PCB 104	80		30 - 140
13C12-PCB 105	82		30 - 140
13C12-PCB 114	81		30 - 140
13C12-PCB 118	86		30 - 140
13C12-PCB 123	82		30 - 140
13C12-PCB 126	80		30 - 140
13C12-PCB 155	87		30 - 140
13C12-PCB 156	82	C	30 - 140
13C12-PCB 157	82	C	30 - 140
13C12-PCB 167	85		30 - 140
13C12-PCB 169	66		30 - 140
13C12-PCB 170	85		30 - 140
13C12-PCB 188	88		30 - 140
13C12-PCB 189	133		30 - 140
13C12-PCB 202	94		30 - 140
13C12-PCB 205	86		30 - 140
13C12-PCB 206	98		30 - 140
13C12-PCB 208	148	*	30 - 140
13C12-PCB 209	139		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	81	40 - 125
13C12-PCB 111	89	40 - 125
13C12-PCB 178	82	40 - 125

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	**Work Order #....:**	J7V9M1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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.

- * Surrogate 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.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	**Work Order #....:**	J7V9M1AD	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.0010**	**Q B J**	**0.010**	**0.00059**	**ng/g**
PCB 2 (BZ)	ND		0.010	0.00080	ng/g
PCB 3 (BZ)	ND		0.010	0.0011	ng/g
PCB 4 (BZ)	**0.0028**	**Q B J**	**0.020**	**0.0016**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.0012	ng/g
PCB 6 (BZ)	ND		0.010	0.0011	ng/g
PCB 7 (BZ)	ND		0.010	0.0011	ng/g
PCB 8 (BZ)	**0.0064**	**Q B J**	**0.020**	**0.0011**	**ng/g**
PCB 9 (BZ)	ND		0.010	0.0011	ng/g
PCB 10 (BZ)	ND		0.010	0.0012	ng/g
PCB 11 (BZ)	**0.0059**	**Q B J**	**0.020**	**0.0011**	**ng/g**
PCB 12 (BZ)	ND		0.010	0.0011	ng/g
PCB 13 (BZ)	ND		0.010	0.0011	ng/g
PCB 14 (BZ)	ND		0.010	0.00095	ng/g
PCB 15 (BZ)	**0.0014**	**Q B J**	**0.010**	**0.0011**	**ng/g**
PCB 16 (BZ)	**0.0054**	**Q B J**	**0.010**	**0.00099**	**ng/g**
PCB 17 (BZ)	**0.011**	**B**	**0.010**	**0.00086**	**ng/g**
PCB 18 (BZ)	**0.031**	**B**	**0.020**	**0.00091**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.00097	ng/g
PCB 20 (BZ)	**0.097**	**B C**	**0.020**	**0.00056**	**ng/g**
PCB 21 (BZ)	**0.014**	**B C**	**0.010**	**0.00054**	**ng/g**
PCB 22 (BZ)	**0.016**	**B**	**0.010**	**0.00057**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00057	ng/g
PCB 24 (BZ)	ND		0.010	0.00064	ng/g
PCB 25 (BZ)	**0.0025**	**B J**	**0.010**	**0.00051**	**ng/g**
PCB 26 (BZ)	**0.0082**	**B C J**	**0.010**	**0.00055**	**ng/g**
PCB 27 (BZ)	**0.0017**	**Q B J**	**0.010**	**0.00059**	**ng/g**
PCB 28 (BZ)	**0.097**	**B C20**	**0.020**	**0.00056**	**ng/g**
PCB 29 (BZ)	**0.0082**	**B C26 J**	**0.010**	**0.00055**	**ng/g**
PCB 30 (BZ)	ND		0.020	0.00061	ng/g
PCB 31 (BZ)	**0.046**	**B**	**0.020**	**0.00054**	**ng/g**
PCB 32 (BZ)	**0.0033**	**B J**	**0.010**	**0.00058**	**ng/g**
PCB 33 (BZ)	**0.014**	**B C21**	**0.010**	**0.00054**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00057	ng/g
PCB 35 (BZ)	ND		0.010	0.00058	ng/g
PCB 36 (BZ)	ND		0.010	0.00054	ng/g

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	Work Order #....:	J7V9M1AD	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0031	B J	0.010	0.00056	ng/g
PCB 38 (BZ)	ND		0.010	0.00055	ng/g
PCB 39 (BZ)	ND		0.010	0.00052	ng/g
PCB 40 (BZ)	0.017	B C	0.010	0.00099	ng/g
PCB 41 (BZ)	0.0038	Q J	0.010	0.0013	ng/g
PCB 42 (BZ)	0.022		0.010	0.0011	ng/g
PCB 43 (BZ)	0.0052	Q B C J	0.010	0.00099	ng/g
PCB 44 (BZ)	0.13	B C	0.010	0.00093	ng/g
PCB 45 (BZ)	0.0041	Q B C J	0.010	0.0011	ng/g
PCB 46 (BZ)	ND		0.010	0.0013	ng/g
PCB 47 (BZ)	0.13	B C44	0.010	0.00093	ng/g
PCB 48 (BZ)	0.016	Q	0.010	0.0011	ng/g
PCB 49 (BZ)	0.13	B	0.010	0.00094	ng/g
PCB 50 (BZ)	0.0026	Q B C J	0.010	0.0010	ng/g
PCB 51 (BZ)	0.0041	Q B C45 J	0.010	0.0011	ng/g
PCB 52 (BZ)	0.26	B	0.010	0.0010	ng/g
PCB 53 (BZ)	0.0026	Q B C50 J	0.010	0.0010	ng/g
PCB 54 (BZ)	ND		0.010	0.0011	ng/g
PCB 55 (BZ)	0.0047	Q J	0.010	0.00082	ng/g
PCB 56 (BZ)	0.018	Q	0.010	0.00077	ng/g
PCB 57 (BZ)	ND		0.010	0.00079	ng/g
PCB 58 (BZ)	0.0058	J	0.010	0.00075	ng/g
PCB 59 (BZ)	0.0094	Q B C J	0.010	0.00073	ng/g
PCB 60 (BZ)	0.071		0.010	0.00080	ng/g
PCB 61 (BZ)	ND		0.020	0.00080	ng/g
PCB 62 (BZ)	0.0094	Q B C59 J	0.010	0.00073	ng/g
PCB 63 (BZ)	0.015		0.010	0.00071	ng/g
PCB 64 (BZ)	0.070	B	0.010	0.00072	ng/g
PCB 65 (BZ)	0.13	B C44	0.010	0.00093	ng/g
PCB 66 (BZ)	0.36	B	0.010	0.00074	ng/g
PCB 67 (BZ)	0.0020	Q J	0.010	0.00074	ng/g
PCB 68 (BZ)	0.0026	B J	0.010	0.00071	ng/g
PCB 69 (BZ)	ND		0.010	0.00080	ng/g
PCB 70 (BZ)	0.46	B C	0.020	0.00072	ng/g
PCB 71 (BZ)	0.017	B C40	0.010	0.00099	ng/g
PCB 72 (BZ)	0.0031	Q J	0.010	0.00075	ng/g

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	Work Order #....:	J7V9M1AD	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0052	Q B C43 J	0.010	0.00099	ng/g
PCB 74 (BZ)	0.46	B C70	0.020	0.00072	ng/g
PCB 75 (BZ)	0.0094	Q B C59 J	0.010	0.00073	ng/g
PCB 76 (BZ)	0.46	B C70	0.020	0.00072	ng/g
PCB 77 (BZ)	0.016		0.010	0.00078	ng/g
PCB 78 (BZ)	ND		0.010	0.00080	ng/g
PCB 79 (BZ)	0.0031	J	0.010	0.00069	ng/g
PCB 80 (BZ)	ND		0.010	0.00067	ng/g
PCB 81 (BZ)	ND		0.010	0.00073	ng/g
PCB 82 (BZ)	0.015		0.010	0.0020	ng/g
PCB 83 (BZ)	0.82	C	0.010	0.0016	ng/g
PCB 84 (BZ)	0.026		0.010	0.0018	ng/g
PCB 85 (BZ)	0.25	C	0.010	0.0012	ng/g
PCB 86 (BZ)	0.34	C	0.010	0.0013	ng/g
PCB 87 (BZ)	0.34	C86	0.010	0.0013	ng/g
PCB 88 (BZ)	ND		0.010	0.0017	ng/g
PCB 89 (BZ)	ND		0.010	0.0017	ng/g
PCB 90 (BZ)	0.79	B C	0.010	0.0012	ng/g
PCB 91 (BZ)	0.028		0.010	0.0014	ng/g
PCB 92 (BZ)	0.16		0.010	0.0016	ng/g
PCB 93 (BZ)	ND		0.010	0.0017	ng/g
PCB 94 (BZ)	ND		0.010	0.0017	ng/g
PCB 95 (BZ)	0.18	B C	0.010	0.0014	ng/g
PCB 96 (BZ)	ND		0.010	0.0012	ng/g
PCB 97 (BZ)	0.34	C86	0.010	0.0013	ng/g
PCB 98 (BZ)	ND		0.010	0.0015	ng/g
PCB 99 (BZ)	0.82	C83	0.010	0.0016	ng/g
PCB 100 (BZ)	0.18	B C95	0.010	0.0014	ng/g
PCB 101 (BZ)	0.79	B C90	0.010	0.0012	ng/g
PCB 102 (BZ)	ND		0.010	0.0015	ng/g
PCB 103 (BZ)	ND		0.010	0.0014	ng/g
PCB 104 (BZ)	ND		0.010	0.0011	ng/g
PCB 105 (BZ)	0.56		0.010	0.00088	ng/g
PCB 106 (BZ)	ND		0.010	0.0010	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.12		0.010	0.00098	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.025	C	0.010	0.00094	ng/g

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	Work Order #....:	J7V9M1AD	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.34	C86	0.010	0.0013	ng/g
PCB 110 (BZ)	0.68	B C	0.010	0.0011	ng/g
PCB 111 (BZ)	ND		0.010	0.0011	ng/g
PCB 112 (BZ)	ND		0.010	0.0011	ng/g
PCB 113 (BZ)	0.79	B C90	0.010	0.0012	ng/g
PCB 114 (BZ)	0.036	Q	0.010	0.00094	ng/g
PCB 115 (BZ)	0.68	B C110	0.010	0.0011	ng/g
PCB 116 (BZ)	0.25	C85	0.010	0.0012	ng/g
PCB 117 (BZ)	0.25	C85	0.010	0.0012	ng/g
PCB 118 (BZ)	1.7	B	0.010	0.00093	ng/g
PCB 119 (BZ)	0.34	C86	0.010	0.0013	ng/g
PCB 120 (BZ)	0.0068	J	0.010	0.0010	ng/g
PCB 121 (BZ)	ND		0.010	0.0011	ng/g
PCB 122 (BZ)	ND		0.010	0.0010	ng/g
PCB 123 (BZ)	0.024		0.010	0.00090	ng/g
PCB 124 (BZ)	0.025	C108	0.010	0.00094	ng/g
PCB 125 (BZ)	0.34	C86	0.010	0.0013	ng/g
PCB 126 (BZ)	0.0072	Q J	0.010	0.00096	ng/g
PCB 127 (BZ)	0.0017	J	0.010	0.00094	ng/g
PCB 128 (BZ)	0.42		0.010	0.0021	ng/g
PCB 129 (BZ)	2.6	B C	0.010	0.0017	ng/g
PCB 130 (BZ)	0.085		0.010	0.0023	ng/g
PCB 131 (BZ)	ND		0.010	0.0022	ng/g
PCB 132 (BZ)	0.057	Q B	0.010	0.0023	ng/g
PCB 133 (BZ)	0.032		0.010	0.0021	ng/g
PCB 134 (BZ)	0.017	C	0.010	0.0023	ng/g
PCB 135 (BZ)	0.21	B C	0.010	0.0017	ng/g
PCB 136 (BZ)	0.033	B	0.010	0.0013	ng/g
PCB 137 (BZ)	0.083		0.010	0.0019	ng/g
PCB 138 (BZ)	2.6	B C129	0.010	0.0017	ng/g
PCB 139 (BZ)	0.025	C	0.010	0.0019	ng/g
PCB 140 (BZ)	0.025	C139	0.010	0.0019	ng/g
PCB 141 (BZ)	0.15		0.010	0.0021	ng/g
PCB 142 (BZ)	ND		0.010	0.0022	ng/g
PCB 143 (BZ)	0.017	C134	0.010	0.0023	ng/g
PCB 144 (BZ)	0.018	Q	0.010	0.0017	ng/g

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	Work Order #....:	J7V9M1AD	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.39		0.010	0.0018	ng/g
PCB 147 (BZ)	0.19	B C	0.010	0.0019	ng/g
PCB 148 (BZ)	ND		0.010	0.0017	ng/g
PCB 149 (BZ)	0.19	B C147	0.010	0.0019	ng/g
PCB 150 (BZ)	ND		0.010	0.0013	ng/g
PCB 151 (BZ)	0.21	B C135	0.010	0.0017	ng/g
PCB 152 (BZ)	ND		0.010	0.0013	ng/g
PCB 153 (BZ)	2.3	B C	0.010	0.0015	ng/g
PCB 154 (BZ)	0.21	B C135	0.010	0.0017	ng/g
PCB 155 (BZ)	ND		0.010	0.0012	ng/g
PCB 156 (BZ)	0.19	C	0.010	0.0018	ng/g
PCB 157 (BZ)	0.19	C156	0.010	0.0018	ng/g
PCB 158 (BZ)	0.19		0.010	0.0013	ng/g
PCB 159 (BZ)	ND		0.010	0.0015	ng/g
PCB 160 (BZ)	2.6	B C129	0.010	0.0017	ng/g
PCB 161 (BZ)	ND		0.010	0.0015	ng/g
PCB 162 (BZ)	ND		0.010	0.0015	ng/g
PCB 163 (BZ)	2.6	B C129	0.010	0.0017	ng/g
PCB 164 (BZ)	0.063		0.010	0.0016	ng/g
PCB 165 (BZ)	ND		0.010	0.0016	ng/g
PCB 166 (BZ)	0.017	Q	0.010	0.0015	ng/g
PCB 167 (BZ)	0.064		0.010	0.00092	ng/g
PCB 168 (BZ)	2.3	B C153	0.010	0.0015	ng/g
PCB 169 (BZ)	0.0031	Q J	0.010	0.0013	ng/g
PCB 170 (BZ)	0.24		0.010	0.0015	ng/g
PCB 171 (BZ)	0.076	C	0.010	0.0014	ng/g
PCB 172 (BZ)	0.042		0.010	0.0014	ng/g
PCB 173 (BZ)	0.076	C171	0.010	0.0014	ng/g
PCB 174 (BZ)	0.028		0.010	0.0012	ng/g
PCB 175 (BZ)	0.0062	J	0.010	0.0012	ng/g
PCB 176 (BZ)	0.0027	J	0.010	0.00091	ng/g
PCB 177 (BZ)	0.071		0.010	0.0013	ng/g
PCB 178 (BZ)	0.075		0.010	0.0013	ng/g
PCB 179 (BZ)	0.038	B	0.010	0.00095	ng/g
PCB 180 (BZ)	0.61	C	0.010	0.0010	ng/g

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	Work Order #....:	J7V9M1AD	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0030	Q J	0.010	0.0012	ng/g
PCB 182 (BZ)	ND		0.010	0.0012	ng/g
PCB 183 (BZ)	0.16	B	0.010	0.0012	ng/g
PCB 184 (BZ)	ND		0.010	0.00097	ng/g
PCB 185 (BZ)	0.013	Q	0.010	0.0012	ng/g
PCB 186 (BZ)	ND		0.010	0.00094	ng/g
PCB 187 (BZ)	0.55		0.010	0.0011	ng/g
PCB 188 (BZ)	ND		0.010	0.00084	ng/g
PCB 189 (BZ)	0.0078	Q J	0.010	0.0015	ng/g
PCB 190 (BZ)	0.068		0.010	0.00091	ng/g
PCB 191 (BZ)	0.011		0.010	0.00093	ng/g
PCB 192 (BZ)	ND		0.010	0.0010	ng/g
PCB 193 (BZ)	0.61	C180	0.010	0.0010	ng/g
PCB 194 (BZ)	0.11		0.010	0.0025	ng/g
PCB 195 (BZ)	0.065		0.010	0.0027	ng/g
PCB 196 (BZ)	0.033		0.010	0.00088	ng/g
PCB 197 (BZ)	0.0035	J	0.010	0.00062	ng/g
PCB 198 (BZ)	0.14	C	0.010	0.00087	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.14	C198	0.010	0.00087	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00064	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0073	J	0.010	0.00061	ng/g
PCB 202 (BZ)	0.041		0.010	0.00066	ng/g
PCB 203 (BZ)	0.081		0.010	0.00077	ng/g
PCB 204 (BZ)	ND		0.010	0.00064	ng/g
PCB 205 (BZ)	0.0042	Q J	0.010	0.0020	ng/g
PCB 206 (BZ)	0.052		0.010	0.0011	ng/g
PCB 207 (BZ)	0.0028	Q J	0.010	0.00051	ng/g
PCB 208 (BZ)	0.014		0.010	0.00043	ng/g
PCB 209 (BZ)	0.029	Q	0.010	0.00059	ng/g

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	Work Order #....:	J7V9M1AD	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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	31		30 - 140
13C12-PCB 3	19	*	30 - 140
13C12-PCB 4	64		30 - 140
13C12-PCB 15	72		30 - 140
13C12-PCB 19	70		30 - 140
13C12-PCB 37	73		30 - 140
13C12-PCB 54	67		30 - 140
13C12-PCB 77	71		30 - 140
13C12-PCB 81	73		30 - 140
13C12-PCB 104	82		30 - 140
13C12-PCB 105	76		30 - 140
13C12-PCB 114	76		30 - 140
13C12-PCB 118	80		30 - 140
13C12-PCB 123	78		30 - 140
13C12-PCB 126	74		30 - 140
13C12-PCB 155	82		30 - 140
13C12-PCB 156	76	C	30 - 140
13C12-PCB 157	76	C	30 - 140
13C12-PCB 167	76		30 - 140
13C12-PCB 169	60		30 - 140
13C12-PCB 170	79		30 - 140
13C12-PCB 188	83		30 - 140
13C12-PCB 189	124		30 - 140
13C12-PCB 202	88		30 - 140
13C12-PCB 205	80		30 - 140
13C12-PCB 206	90		30 - 140
13C12-PCB 208	142	*	30 - 140
13C12-PCB 209	143	*	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	75	40 - 125
13C12-PCB 111	85	40 - 125
13C12-PCB 178	77	40 - 125

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	**Work Order #....:**	J7V9M1AD	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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.

- * Surrogate 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.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H71280209 - 002	**Work Order #....:**	J7V9Q1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	ND		0.010	0.0022	ng/g
PCB 2 (BZ)	ND		0.010	0.0037	ng/g
PCB 3 (BZ)	ND		0.010	0.010	ng/g
PCB 4 (BZ)	**0.0037**	**Q B J**	**0.020**	**0.0014**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.0011	ng/g
PCB 6 (BZ)	**0.0014**	**Q B J**	**0.010**	**0.0010**	**ng/g**
PCB 7 (BZ)	ND		0.010	0.0010	ng/g
PCB 8 (BZ)	**0.0064**	**Q B J**	**0.020**	**0.0010**	**ng/g**
PCB 9 (BZ)	ND		0.010	0.0010	ng/g
PCB 10 (BZ)	ND		0.010	0.0011	ng/g
PCB 11 (BZ)	**0.0026**	**Q B J**	**0.020**	**0.0010**	**ng/g**
PCB 12 (BZ)	ND		0.010	0.0010	ng/g
PCB 13 (BZ)	ND		0.010	0.0010	ng/g
PCB 14 (BZ)	ND		0.010	0.00089	ng/g
PCB 15 (BZ)	**0.0020**	**Q B J**	**0.010**	**0.0011**	**ng/g**
PCB 16 (BZ)	**0.0081**	**B J**	**0.010**	**0.0011**	**ng/g**
PCB 17 (BZ)	**0.017**	**B**	**0.010**	**0.00093**	**ng/g**
PCB 18 (BZ)	**0.043**	**B**	**0.020**	**0.00097**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.0010	ng/g
PCB 20 (BZ)	**0.14**	**B C**	**0.020**	**0.00060**	**ng/g**
PCB 21 (BZ)	**0.026**	**B C**	**0.010**	**0.00058**	**ng/g**
PCB 22 (BZ)	**0.019**	**B**	**0.010**	**0.00061**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00062	ng/g
PCB 24 (BZ)	ND		0.010	0.00069	ng/g
PCB 25 (BZ)	**0.0029**	**Q B J**	**0.010**	**0.00055**	**ng/g**
PCB 26 (BZ)	**0.014**	**B C**	**0.010**	**0.00059**	**ng/g**
PCB 27 (BZ)	**0.0029**	**B J**	**0.010**	**0.00063**	**ng/g**
PCB 28 (BZ)	**0.14**	**B C20**	**0.020**	**0.00060**	**ng/g**
PCB 29 (BZ)	**0.014**	**B C26**	**0.010**	**0.00059**	**ng/g**
PCB 30 (BZ)	ND		0.020	0.00066	ng/g
PCB 31 (BZ)	**0.073**	**B**	**0.020**	**0.00058**	**ng/g**
PCB 32 (BZ)	**0.0063**	**B J**	**0.010**	**0.00063**	**ng/g**
PCB 33 (BZ)	**0.026**	**B C21**	**0.010**	**0.00058**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00061	ng/g
PCB 35 (BZ)	ND		0.010	0.00062	ng/g
PCB 36 (BZ)	ND		0.010	0.00058	ng/g

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	**Work Order #....:**	J7V9Q1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.0027**	**Q B J**	**0.010**	**0.00061**	**ng/g**
PCB 38 (BZ)	ND		0.010	0.00060	ng/g
PCB 39 (BZ)	ND		0.010	0.00056	ng/g
PCB 40 (BZ)	**0.034**	**B C**	**0.010**	**0.0011**	**ng/g**
PCB 41 (BZ)	**0.0069**	**Q J**	**0.010**	**0.0014**	**ng/g**
PCB 42 (BZ)	**0.033**	**Q**	**0.010**	**0.0012**	**ng/g**
PCB 43 (BZ)	**0.0085**	**B C J**	**0.010**	**0.0011**	**ng/g**
PCB 44 (BZ)	**0.19**	**B C**	**0.010**	**0.00099**	**ng/g**
PCB 45 (BZ)	**0.0070**	**B C J**	**0.010**	**0.0012**	**ng/g**
PCB 46 (BZ)	ND		0.010	0.0014	ng/g
PCB 47 (BZ)	**0.19**	**B C44**	**0.010**	**0.00099**	**ng/g**
PCB 48 (BZ)	**0.030**		**0.010**	**0.0011**	**ng/g**
PCB 49 (BZ)	**0.20**	**B**	**0.010**	**0.0010**	**ng/g**
PCB 50 (BZ)	**0.0034**	**Q B C J**	**0.010**	**0.0011**	**ng/g**
PCB 51 (BZ)	**0.0070**	**B C45 J**	**0.010**	**0.0012**	**ng/g**
PCB 52 (BZ)	**0.38**	**B**	**0.010**	**0.0011**	**ng/g**
PCB 53 (BZ)	**0.0034**	**Q B C50 J**	**0.010**	**0.0011**	**ng/g**
PCB 54 (BZ)	ND		0.010	0.0012	ng/g
PCB 55 (BZ)	**0.0095**	**Q J**	**0.010**	**0.00087**	**ng/g**
PCB 56 (BZ)	**0.026**		**0.010**	**0.00082**	**ng/g**
PCB 57 (BZ)	ND		0.010	0.00085	ng/g
PCB 58 (BZ)	**0.0075**	**J**	**0.010**	**0.00080**	**ng/g**
PCB 59 (BZ)	**0.019**	**B C**	**0.010**	**0.00078**	**ng/g**
PCB 60 (BZ)	**0.11**		**0.010**	**0.00085**	**ng/g**
PCB 61 (BZ)	ND		0.020	0.00085	ng/g
PCB 62 (BZ)	**0.019**	**B C59**	**0.010**	**0.00078**	**ng/g**
PCB 63 (BZ)	**0.022**		**0.010**	**0.00076**	**ng/g**
PCB 64 (BZ)	**0.095**	**B**	**0.010**	**0.00077**	**ng/g**
PCB 65 (BZ)	**0.19**	**B C44**	**0.010**	**0.00099**	**ng/g**
PCB 66 (BZ)	**0.49**	**B**	**0.010**	**0.00079**	**ng/g**
PCB 67 (BZ)	**0.0031**	**J**	**0.010**	**0.00079**	**ng/g**
PCB 68 (BZ)	**0.0024**	**Q B J**	**0.010**	**0.00076**	**ng/g**
PCB 69 (BZ)	ND		0.010	0.00086	ng/g
PCB 70 (BZ)	**0.67**	**B C**	**0.020**	**0.00077**	**ng/g**
PCB 71 (BZ)	**0.034**	**B C40**	**0.010**	**0.0011**	**ng/g**
PCB 72 (BZ)	**0.0051**	**Q J**	**0.010**	**0.00081**	**ng/g**

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	**Work Order #....:**	J7V9Q1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.0085**	**B C43 J**	**0.010**	**0.0011**	**ng/g**
PCB 74 (BZ)	**0.67**	**B C70**	**0.020**	**0.00077**	**ng/g**
PCB 75 (BZ)	**0.019**	**B C59**	**0.010**	**0.00078**	**ng/g**
PCB 76 (BZ)	**0.67**	**B C70**	**0.020**	**0.00077**	**ng/g**
PCB 77 (BZ)	**0.010**		**0.010**	**0.00083**	**ng/g**
PCB 78 (BZ)	ND		0.010	0.00086	ng/g
PCB 79 (BZ)	**0.0023**	**Q J**	**0.010**	**0.00074**	**ng/g**
PCB 80 (BZ)	ND		0.010	0.00072	ng/g
PCB 81 (BZ)	ND		0.010	0.00078	ng/g
PCB 82 (BZ)	**0.021**		**0.010**	**0.0021**	**ng/g**
PCB 83 (BZ)	**1.4**	**C**	**0.010**	**0.0016**	**ng/g**
PCB 84 (BZ)	**0.028**		**0.010**	**0.0018**	**ng/g**
PCB 85 (BZ)	**0.41**	**C**	**0.010**	**0.0013**	**ng/g**
PCB 86 (BZ)	**0.46**	**C**	**0.010**	**0.0013**	**ng/g**
PCB 87 (BZ)	**0.46**	**C86**	**0.010**	**0.0013**	**ng/g**
PCB 88 (BZ)	ND		0.010	0.0017	ng/g
PCB 89 (BZ)	ND		0.010	0.0017	ng/g
PCB 90 (BZ)	**1.0**	**B C**	**0.010**	**0.0013**	**ng/g**
PCB 91 (BZ)	**0.032**	**Q**	**0.010**	**0.0014**	**ng/g**
PCB 92 (BZ)	**0.22**		**0.010**	**0.0016**	**ng/g**
PCB 93 (BZ)	ND		0.010	0.0018	ng/g
PCB 94 (BZ)	ND		0.010	0.0018	ng/g
PCB 95 (BZ)	**0.22**	**B C**	**0.010**	**0.0015**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.0012	ng/g
PCB 97 (BZ)	**0.46**	**C86**	**0.010**	**0.0013**	**ng/g**
PCB 98 (BZ)	ND		0.010	0.0015	ng/g
PCB 99 (BZ)	**1.4**	**C83**	**0.010**	**0.0016**	**ng/g**
PCB 100 (BZ)	**0.22**	**B C95**	**0.010**	**0.0015**	**ng/g**
PCB 101 (BZ)	**1.0**	**B C90**	**0.010**	**0.0013**	**ng/g**
PCB 102 (BZ)	ND		0.010	0.0015	ng/g
PCB 103 (BZ)	ND		0.010	0.0014	ng/g
PCB 104 (BZ)	ND		0.010	0.0011	ng/g
PCB 105 (BZ)	**0.87**		**0.010**	**0.00096**	**ng/g**
PCB 106 (BZ)	ND		0.010	0.0011	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.15**		**0.010**	**0.0010**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.030**	**C**	**0.010**	**0.0010**	**ng/g**

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	**Work Order #....:**	J7V9Q1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	0.46	C86	0.010	0.0013	ng/g
PCB 110 (BZ)	0.75	B C	0.010	0.0011	ng/g
PCB 111 (BZ)	ND		0.010	0.0011	ng/g
PCB 112 (BZ)	ND		0.010	0.0012	ng/g
PCB 113 (BZ)	1.0	B C90	0.010	0.0013	ng/g
PCB 114 (BZ)	0.058		0.010	0.00099	ng/g
PCB 115 (BZ)	0.75	B C110	0.010	0.0011	ng/g
PCB 116 (BZ)	0.41	C85	0.010	0.0013	ng/g
PCB 117 (BZ)	0.41	C85	0.010	0.0013	ng/g
PCB 118 (BZ)	2.5	B	0.010	0.00093	ng/g
PCB 119 (BZ)	0.46	C86	0.010	0.0013	ng/g
PCB 120 (BZ)	0.010		0.010	0.0011	ng/g
PCB 121 (BZ)	ND		0.010	0.0011	ng/g
PCB 122 (BZ)	ND		0.010	0.0011	ng/g
PCB 123 (BZ)	0.019	Q	0.010	0.00096	ng/g
PCB 124 (BZ)	0.030	C108	0.010	0.0010	ng/g
PCB 125 (BZ)	0.46	C86	0.010	0.0013	ng/g
PCB 126 (BZ)	0.0073	Q J	0.010	0.0011	ng/g
PCB 127 (BZ)	0.0025	J	0.010	0.0010	ng/g
PCB 128 (BZ)	0.66		0.010	0.0024	ng/g
PCB 129 (BZ)	3.8	B C	0.010	0.0020	ng/g
PCB 130 (BZ)	0.083		0.010	0.0026	ng/g
PCB 131 (BZ)	ND		0.010	0.0026	ng/g
PCB 132 (BZ)	0.066	B	0.010	0.0026	ng/g
PCB 133 (BZ)	0.050		0.010	0.0024	ng/g
PCB 134 (BZ)	0.014	C	0.010	0.0026	ng/g
PCB 135 (BZ)	0.22	B C	0.010	0.0018	ng/g
PCB 136 (BZ)	0.034	B	0.010	0.0015	ng/g
PCB 137 (BZ)	0.15		0.010	0.0022	ng/g
PCB 138 (BZ)	3.8	B C129	0.010	0.0020	ng/g
PCB 139 (BZ)	0.051	C	0.010	0.0022	ng/g
PCB 140 (BZ)	0.051	C139	0.010	0.0022	ng/g
PCB 141 (BZ)	0.25		0.010	0.0025	ng/g
PCB 142 (BZ)	ND		0.010	0.0025	ng/g
PCB 143 (BZ)	0.014	C134	0.010	0.0026	ng/g
PCB 144 (BZ)	0.021		0.010	0.0019	ng/g

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H71280209 - 002	**Work Order #....:**	J7V9Q1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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	0.0014	ng/g
PCB 146 (BZ)	**0.44**		**0.010**	**0.0021**	**ng/g**
PCB 147 (BZ)	**0.17**	**B C**	**0.010**	**0.0022**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.0019	ng/g
PCB 149 (BZ)	**0.17**	**B C147**	**0.010**	**0.0022**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.0014	ng/g
PCB 151 (BZ)	**0.22**	**B C135**	**0.010**	**0.0018**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0014	ng/g
PCB 153 (BZ)	**3.6**	**B C**	**0.010**	**0.0017**	**ng/g**
PCB 154 (BZ)	**0.22**	**B C135**	**0.010**	**0.0018**	**ng/g**
PCB 155 (BZ)	ND		0.010	0.0013	ng/g
PCB 156 (BZ)	**0.32**	**C**	**0.010**	**0.0020**	**ng/g**
PCB 157 (BZ)	**0.32**	**C156**	**0.010**	**0.0020**	**ng/g**
PCB 158 (BZ)	**0.32**		**0.010**	**0.0016**	**ng/g**
PCB 159 (BZ)	ND		0.010	0.0017	ng/g
PCB 160 (BZ)	**3.8**	**B C129**	**0.010**	**0.0020**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0017	ng/g
PCB 162 (BZ)	**0.016**		**0.010**	**0.0017**	**ng/g**
PCB 163 (BZ)	**3.8**	**B C129**	**0.010**	**0.0020**	**ng/g**
PCB 164 (BZ)	**0.076**		**0.010**	**0.0018**	**ng/g**
PCB 165 (BZ)	ND		0.010	0.0019	ng/g
PCB 166 (BZ)	**0.024**		**0.010**	**0.0017**	**ng/g**
PCB 167 (BZ)	**0.086**		**0.010**	**0.0011**	**ng/g**
PCB 168 (BZ)	**3.6**	**B C153**	**0.010**	**0.0017**	**ng/g**
PCB 169 (BZ)	**0.0033**	**Q J**	**0.010**	**0.0014**	**ng/g**
PCB 170 (BZ)	**0.35**		**0.010**	**0.0015**	**ng/g**
PCB 171 (BZ)	**0.12**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 172 (BZ)	**0.054**		**0.010**	**0.0014**	**ng/g**
PCB 173 (BZ)	**0.12**	**C171**	**0.010**	**0.0014**	**ng/g**
PCB 174 (BZ)	**0.028**		**0.010**	**0.0013**	**ng/g**
PCB 175 (BZ)	**0.0069**	**J**	**0.010**	**0.0013**	**ng/g**
PCB 176 (BZ)	ND		0.010	0.00093	ng/g
PCB 177 (BZ)	**0.052**		**0.010**	**0.0013**	**ng/g**
PCB 178 (BZ)	**0.081**		**0.010**	**0.0013**	**ng/g**
PCB 179 (BZ)	**0.029**	**B**	**0.010**	**0.00097**	**ng/g**
PCB 180 (BZ)	**0.77**	**C**	**0.010**	**0.0010**	**ng/g**

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	**Work Order #....:**	J7V9Q1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0045	Q J	0.010	0.0012	ng/g
PCB 182 (BZ)	0.0038	J	0.010	0.0012	ng/g
PCB 183 (BZ)	0.23	B	0.010	0.0012	ng/g
PCB 184 (BZ)	0.0014	J	0.010	0.00099	ng/g
PCB 185 (BZ)	0.016		0.010	0.0013	ng/g
PCB 186 (BZ)	ND		0.010	0.00096	ng/g
PCB 187 (BZ)	0.39		0.010	0.0012	ng/g
PCB 188 (BZ)	ND		0.010	0.00085	ng/g
PCB 189 (BZ)	0.013		0.010	0.0013	ng/g
PCB 190 (BZ)	0.10		0.010	0.00093	ng/g
PCB 191 (BZ)	0.017		0.010	0.00095	ng/g
PCB 192 (BZ)	ND		0.010	0.0010	ng/g
PCB 193 (BZ)	0.77	C180	0.010	0.0010	ng/g
PCB 194 (BZ)	0.12		0.010	0.0024	ng/g
PCB 195 (BZ)	0.090		0.010	0.0026	ng/g
PCB 196 (BZ)	0.045		0.010	0.00098	ng/g
PCB 197 (BZ)	0.0034	Q J	0.010	0.00070	ng/g
PCB 198 (BZ)	0.098	C	0.010	0.00097	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.098	C198	0.010	0.00097	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00072	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0037	S J	0.010	0.00068	ng/g
PCB 202 (BZ)	0.039		0.010	0.00075	ng/g
PCB 203 (BZ)	0.11		0.010	0.00086	ng/g
PCB 204 (BZ)	ND		0.010	0.00072	ng/g
PCB 205 (BZ)	0.0077	J	0.010	0.0019	ng/g
PCB 206 (BZ)	0.046		0.010	0.0017	ng/g
PCB 207 (BZ)	0.0031	Q J	0.010	0.00067	ng/g
PCB 208 (BZ)	0.0063	Q J	0.010	0.00054	ng/g
PCB 209 (BZ)	0.0071	Q J	0.010	0.00068	ng/g

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	**Work Order #....:**	J7V9Q1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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	10	*	30 - 140
13C12-PCB 3	2.5	*	30 - 140
13C12-PCB 4	74		30 - 140
13C12-PCB 15	83		30 - 140
13C12-PCB 19	82		30 - 140
13C12-PCB 37	87		30 - 140
13C12-PCB 54	80		30 - 140
13C12-PCB 77	87		30 - 140
13C12-PCB 81	87		30 - 140
13C12-PCB 104	88		30 - 140
13C12-PCB 105	89		30 - 140
13C12-PCB 114	86		30 - 140
13C12-PCB 118	96		30 - 140
13C12-PCB 123	90		30 - 140
13C12-PCB 126	85		30 - 140
13C12-PCB 155	93		30 - 140
13C12-PCB 156	89	C	30 - 140
13C12-PCB 157	89	C	30 - 140
13C12-PCB 167	80		30 - 140
13C12-PCB 169	70		30 - 140
13C12-PCB 170	98		30 - 140
13C12-PCB 188	103		30 - 140
13C12-PCB 189	141	*	30 - 140
13C12-PCB 202	109		30 - 140
13C12-PCB 205	91		30 - 140
13C12-PCB 206	93		30 - 140
13C12-PCB 208	167	*	30 - 140
13C12-PCB 209	145	*	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	86	40 - 125
13C12-PCB 111	93	40 - 125
13C12-PCB 178	93	40 - 125

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	**Work Order #....:**	J7V9Q1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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.

- * Surrogate 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.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).
- S Ion suppression.

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	**Work Order #....:**	J7V9T1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	ND		0.010	0.00038	ng/g
PCB 2 (BZ)	ND		0.010	0.00047	ng/g
PCB 3 (BZ)	ND		0.010	0.00055	ng/g
PCB 4 (BZ)	**0.0049**	**Q B J**	**0.020**	**0.0014**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.0011	ng/g
PCB 6 (BZ)	**0.0025**	**Q B J**	**0.010**	**0.0010**	**ng/g**
PCB 7 (BZ)	ND		0.010	0.0011	ng/g
PCB 8 (BZ)	**0.010**	**Q B J**	**0.020**	**0.0010**	**ng/g**
PCB 9 (BZ)	**0.0010**	**Q B J**	**0.010**	**0.0010**	**ng/g**
PCB 10 (BZ)	ND		0.010	0.0011	ng/g
PCB 11 (BZ)	**0.0030**	**Q B J**	**0.020**	**0.0010**	**ng/g**
PCB 12 (BZ)	ND		0.010	0.0010	ng/g
PCB 13 (BZ)	ND		0.010	0.0010	ng/g
PCB 14 (BZ)	ND		0.010	0.00089	ng/g
PCB 15 (BZ)	**0.0024**	**Q B J**	**0.010**	**0.0011**	**ng/g**
PCB 16 (BZ)	**0.0073**	**Q B J**	**0.010**	**0.0010**	**ng/g**
PCB 17 (BZ)	**0.015**	**B**	**0.010**	**0.00089**	**ng/g**
PCB 18 (BZ)	**0.045**	**B**	**0.020**	**0.00094**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.0010	ng/g
PCB 20 (BZ)	**0.11**	**B C**	**0.020**	**0.00057**	**ng/g**
PCB 21 (BZ)	**0.022**	**B C**	**0.010**	**0.00056**	**ng/g**
PCB 22 (BZ)	**0.016**	**B**	**0.010**	**0.00058**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00059	ng/g
PCB 24 (BZ)	ND		0.010	0.00067	ng/g
PCB 25 (BZ)	**0.0036**	**B J**	**0.010**	**0.00052**	**ng/g**
PCB 26 (BZ)	**0.013**	**B C**	**0.010**	**0.00056**	**ng/g**
PCB 27 (BZ)	**0.0018**	**B J**	**0.010**	**0.00061**	**ng/g**
PCB 28 (BZ)	**0.11**	**B C20**	**0.020**	**0.00057**	**ng/g**
PCB 29 (BZ)	**0.013**	**B C26**	**0.010**	**0.00056**	**ng/g**
PCB 30 (BZ)	ND		0.020	0.00063	ng/g
PCB 31 (BZ)	**0.052**	**B**	**0.020**	**0.00055**	**ng/g**
PCB 32 (BZ)	**0.0059**	**B J**	**0.010**	**0.00060**	**ng/g**
PCB 33 (BZ)	**0.022**	**B C21**	**0.010**	**0.00056**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00058	ng/g
PCB 35 (BZ)	ND		0.010	0.00059	ng/g
PCB 36 (BZ)	ND		0.010	0.00055	ng/g

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	Work Order #....:	J7V9T1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0051	Q B J	0.010	0.00058	ng/g
PCB 38 (BZ)	ND		0.010	0.00057	ng/g
PCB 39 (BZ)	ND		0.010	0.00053	ng/g
PCB 40 (BZ)	0.023	B C	0.010	0.00088	ng/g
PCB 41 (BZ)	0.0038	Q J	0.010	0.0012	ng/g
PCB 42 (BZ)	0.020		0.010	0.00097	ng/g
PCB 43 (BZ)	0.011	Q B C	0.010	0.00087	ng/g
PCB 44 (BZ)	0.22	Q B C	0.010	0.00082	ng/g
PCB 45 (BZ)	0.0042	Q B C J	0.010	0.00097	ng/g
PCB 46 (BZ)	ND		0.010	0.0012	ng/g
PCB 47 (BZ)	0.22	Q B C44	0.010	0.00082	ng/g
PCB 48 (BZ)	0.021		0.010	0.00094	ng/g
PCB 49 (BZ)	0.25	B	0.010	0.00083	ng/g
PCB 50 (BZ)	0.0031	Q B C J	0.010	0.00090	ng/g
PCB 51 (BZ)	0.0042	Q B C45 J	0.010	0.00097	ng/g
PCB 52 (BZ)	0.69	B	0.010	0.00090	ng/g
PCB 53 (BZ)	0.0031	Q B C50 J	0.010	0.00090	ng/g
PCB 54 (BZ)	ND		0.010	0.0011	ng/g
PCB 55 (BZ)	0.012	Q	0.010	0.00072	ng/g
PCB 56 (BZ)	0.026		0.010	0.00068	ng/g
PCB 57 (BZ)	ND		0.010	0.00070	ng/g
PCB 58 (BZ)	0.014		0.010	0.00066	ng/g
PCB 59 (BZ)	0.015	B C	0.010	0.00064	ng/g
PCB 60 (BZ)	0.13		0.010	0.00070	ng/g
PCB 61 (BZ)	ND		0.020	0.00070	ng/g
PCB 62 (BZ)	0.015	B C59	0.010	0.00064	ng/g
PCB 63 (BZ)	0.038		0.010	0.00062	ng/g
PCB 64 (BZ)	0.088	B	0.010	0.00064	ng/g
PCB 65 (BZ)	0.22	Q B C44	0.010	0.00082	ng/g
PCB 66 (BZ)	0.89	B	0.010	0.00065	ng/g
PCB 67 (BZ)	0.0044	J	0.010	0.00065	ng/g
PCB 68 (BZ)	0.0023	Q B J	0.010	0.00063	ng/g
PCB 69 (BZ)	ND		0.010	0.00071	ng/g
PCB 70 (BZ)	0.99	B C	0.020	0.00063	ng/g
PCB 71 (BZ)	0.023	B C40	0.010	0.00088	ng/g
PCB 72 (BZ)	0.0092	J	0.010	0.00066	ng/g

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	**Work Order #....:**	J7V9T1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.011**	**Q B C43**	**0.010**	**0.00087**	**ng/g**
PCB 74 (BZ)	**0.99**	**B C70**	**0.020**	**0.00063**	**ng/g**
PCB 75 (BZ)	**0.015**	**B C59**	**0.010**	**0.00064**	**ng/g**
PCB 76 (BZ)	**0.99**	**B C70**	**0.020**	**0.00063**	**ng/g**
PCB 77 (BZ)	**0.044**		**0.010**	**0.00067**	**ng/g**
PCB 78 (BZ)	ND		0.010	0.00071	ng/g
PCB 79 (BZ)	**0.0035**	**Q J**	**0.010**	**0.00061**	**ng/g**
PCB 80 (BZ)	ND		0.010	0.00059	ng/g
PCB 81 (BZ)	ND		0.010	0.00065	ng/g
PCB 82 (BZ)	**0.033**		**0.010**	**0.0026**	**ng/g**
PCB 83 (BZ)	**4.6**	**C**	**0.010**	**0.0020**	**ng/g**
PCB 84 (BZ)	**0.048**		**0.010**	**0.0023**	**ng/g**
PCB 85 (BZ)	**1.2**	**C**	**0.010**	**0.0016**	**ng/g**
PCB 86 (BZ)	**0.80**	**C**	**0.010**	**0.0016**	**ng/g**
PCB 87 (BZ)	**0.80**	**C86**	**0.010**	**0.0016**	**ng/g**
PCB 88 (BZ)	ND		0.010	0.0022	ng/g
PCB 89 (BZ)	ND		0.010	0.0022	ng/g
PCB 90 (BZ)	**2.0**	**B C**	**0.010**	**0.0016**	**ng/g**
PCB 91 (BZ)	**0.041**		**0.010**	**0.0018**	**ng/g**
PCB 92 (BZ)	**0.52**		**0.010**	**0.0020**	**ng/g**
PCB 93 (BZ)	**0.011**		**0.010**	**0.0022**	**ng/g**
PCB 94 (BZ)	ND		0.010	0.0022	ng/g
PCB 95 (BZ)	**0.49**	**B C**	**0.010**	**0.0018**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.0016	ng/g
PCB 97 (BZ)	**0.80**	**C86**	**0.010**	**0.0016**	**ng/g**
PCB 98 (BZ)	ND		0.010	0.0019	ng/g
PCB 99 (BZ)	**4.6**	**C83**	**0.010**	**0.0020**	**ng/g**
PCB 100 (BZ)	**0.49**	**B C95**	**0.010**	**0.0018**	**ng/g**
PCB 101 (BZ)	**2.0**	**B C90**	**0.010**	**0.0016**	**ng/g**
PCB 102 (BZ)	ND		0.010	0.0019	ng/g
PCB 103 (BZ)	**0.0034**	**J**	**0.010**	**0.0018**	**ng/g**
PCB 104 (BZ)	ND		0.010	0.0014	ng/g
PCB 105 (BZ)	**3.2**		**0.010**	**0.0011**	**ng/g**
PCB 106 (BZ)	ND		0.010	0.0013	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.63**		**0.010**	**0.0013**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.081**	**C**	**0.010**	**0.0012**	**ng/g**

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	**Work Order #....:**	J7V9T1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	0.80	C86	0.010	0.0016	ng/g
PCB 110 (BZ)	1.4	B C	0.010	0.0014	ng/g
PCB 111 (BZ)	0.0047	Q J	0.010	0.0014	ng/g
PCB 112 (BZ)	ND		0.010	0.0015	ng/g
PCB 113 (BZ)	2.0	B C90	0.010	0.0016	ng/g
PCB 114 (BZ)	0.27		0.010	0.0012	ng/g
PCB 115 (BZ)	1.4	B C110	0.010	0.0014	ng/g
PCB 116 (BZ)	1.2	C85	0.010	0.0016	ng/g
PCB 117 (BZ)	1.2	C85	0.010	0.0016	ng/g
PCB 118 (BZ)	12	B	0.010	0.0012	ng/g
PCB 119 (BZ)	0.80	C86	0.010	0.0016	ng/g
PCB 120 (BZ)	0.027		0.010	0.0013	ng/g
PCB 121 (BZ)	ND		0.010	0.0014	ng/g
PCB 122 (BZ)	ND		0.010	0.0013	ng/g
PCB 123 (BZ)	0.16		0.010	0.0012	ng/g
PCB 124 (BZ)	0.081	C108	0.010	0.0012	ng/g
PCB 125 (BZ)	0.80	C86	0.010	0.0016	ng/g
PCB 126 (BZ)	0.029	Q	0.010	0.0012	ng/g
PCB 127 (BZ)	0.023		0.010	0.0012	ng/g
PCB 128 (BZ)	2.4		0.010	0.0030	ng/g
PCB 129 (BZ)	12	B C	0.010	0.0025	ng/g
PCB 130 (BZ)	0.16		0.010	0.0032	ng/g
PCB 131 (BZ)	0.0053	Q J	0.010	0.0032	ng/g
PCB 132 (BZ)	0.073	B	0.010	0.0032	ng/g
PCB 133 (BZ)	0.16		0.010	0.0030	ng/g
PCB 134 (BZ)	0.022	C	0.010	0.0032	ng/g
PCB 135 (BZ)	0.44	B C	0.010	0.0026	ng/g
PCB 136 (BZ)	0.065	B	0.010	0.0021	ng/g
PCB 137 (BZ)	0.95		0.010	0.0027	ng/g
PCB 138 (BZ)	12	B C129	0.010	0.0025	ng/g
PCB 139 (BZ)	0.17	C	0.010	0.0027	ng/g
PCB 140 (BZ)	0.17	C139	0.010	0.0027	ng/g
PCB 141 (BZ)	0.59		0.010	0.0030	ng/g
PCB 142 (BZ)	ND		0.010	0.0031	ng/g
PCB 143 (BZ)	0.022	C134	0.010	0.0032	ng/g
PCB 144 (BZ)	0.028		0.010	0.0027	ng/g

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	**Work Order #....:**	J7V9T1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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	0.0020	ng/g
PCB 146 (BZ)	**1.5**		**0.010**	**0.0026**	**ng/g**
PCB 147 (BZ)	**0.21**	**B C**	**0.010**	**0.0026**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.0027	ng/g
PCB 149 (BZ)	**0.21**	**B C147**	**0.010**	**0.0026**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.0020	ng/g
PCB 151 (BZ)	**0.44**	**B C135**	**0.010**	**0.0026**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0020	ng/g
PCB 153 (BZ)	**14**	**B C**	**0.010**	**0.0021**	**ng/g**
PCB 154 (BZ)	**0.44**	**B C135**	**0.010**	**0.0026**	**ng/g**
PCB 155 (BZ)	ND		0.010	0.0018	ng/g
PCB 156 (BZ)	**2.1**	**C**	**0.010**	**0.0025**	**ng/g**
PCB 157 (BZ)	**2.1**	**C156**	**0.010**	**0.0025**	**ng/g**
PCB 158 (BZ)	**1.1**		**0.010**	**0.0019**	**ng/g**
PCB 159 (BZ)	ND		0.010	0.0021	ng/g
PCB 160 (BZ)	**12**	**B C129**	**0.010**	**0.0025**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0021	ng/g
PCB 162 (BZ)	**0.064**		**0.010**	**0.0021**	**ng/g**
PCB 163 (BZ)	**12**	**B C129**	**0.010**	**0.0025**	**ng/g**
PCB 164 (BZ)	**0.15**		**0.010**	**0.0022**	**ng/g**
PCB 165 (BZ)	ND		0.010	0.0023	ng/g
PCB 166 (BZ)	**0.094**		**0.010**	**0.0021**	**ng/g**
PCB 167 (BZ)	**0.50**		**0.010**	**0.0013**	**ng/g**
PCB 168 (BZ)	**14**	**B C153**	**0.010**	**0.0021**	**ng/g**
PCB 169 (BZ)	**0.0066**	**Q J**	**0.010**	**0.0018**	**ng/g**
PCB 170 (BZ)	**1.3**		**0.010**	**0.0014**	**ng/g**
PCB 171 (BZ)	**0.27**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 172 (BZ)	**0.14**		**0.010**	**0.0014**	**ng/g**
PCB 173 (BZ)	**0.27**	**C171**	**0.010**	**0.0014**	**ng/g**
PCB 174 (BZ)	**0.028**		**0.010**	**0.0013**	**ng/g**
PCB 175 (BZ)	**0.013**		**0.010**	**0.0013**	**ng/g**
PCB 176 (BZ)	ND		0.010	0.00095	ng/g
PCB 177 (BZ)	**0.068**		**0.010**	**0.0013**	**ng/g**
PCB 178 (BZ)	**0.13**		**0.010**	**0.0013**	**ng/g**
PCB 179 (BZ)	**0.032**	**B**	**0.010**	**0.00099**	**ng/g**
PCB 180 (BZ)	**2.7**	**C**	**0.010**	**0.0010**	**ng/g**

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	**Work Order #....:**	J7V9T1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.029**		**0.010**	**0.0012**	**ng/g**
PCB 182 (BZ)	**0.0083**	**Q J**	**0.010**	**0.0012**	**ng/g**
PCB 183 (BZ)	**0.52**	**B**	**0.010**	**0.0013**	**ng/g**
PCB 184 (BZ)	ND		0.010	0.0010	ng/g
PCB 185 (BZ)	**0.013**	**Q**	**0.010**	**0.0013**	**ng/g**
PCB 186 (BZ)	ND		0.010	0.00098	ng/g
PCB 187 (BZ)	**0.76**		**0.010**	**0.0012**	**ng/g**
PCB 188 (BZ)	ND		0.010	0.00091	ng/g
PCB 189 (BZ)	**0.051**		**0.010**	**0.0016**	**ng/g**
PCB 190 (BZ)	**0.32**		**0.010**	**0.00095**	**ng/g**
PCB 191 (BZ)	**0.059**		**0.010**	**0.00097**	**ng/g**
PCB 192 (BZ)	ND		0.010	0.0010	ng/g
PCB 193 (BZ)	**2.7**	**C180**	**0.010**	**0.0010**	**ng/g**
PCB 194 (BZ)	**0.22**		**0.010**	**0.0029**	**ng/g**
PCB 195 (BZ)	**0.19**		**0.010**	**0.0032**	**ng/g**
PCB 196 (BZ)	**0.089**		**0.010**	**0.00092**	**ng/g**
PCB 197 (BZ)	**0.0070**	**J**	**0.010**	**0.00065**	**ng/g**
PCB 198 (BZ)	**0.15**	**C**	**0.010**	**0.00091**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.15**	**C198**	**0.010**	**0.00091**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00067	ng/g
PCB 200 (BZ)/201 (IUPAC)	**0.0087**	**Q J**	**0.010**	**0.00064**	**ng/g**
PCB 202 (BZ)	**0.050**		**0.010**	**0.00070**	**ng/g**
PCB 203 (BZ)	**0.20**		**0.010**	**0.00081**	**ng/g**
PCB 204 (BZ)	ND		0.010	0.00067	ng/g
PCB 205 (BZ)	**0.015**		**0.010**	**0.0024**	**ng/g**
PCB 206 (BZ)	**0.080**		**0.010**	**0.0017**	**ng/g**
PCB 207 (BZ)	**0.0065**	**Q J**	**0.010**	**0.00061**	**ng/g**
PCB 208 (BZ)	**0.0097**	**Q J**	**0.010**	**0.00047**	**ng/g**
PCB 209 (BZ)	**0.012**	**Q**	**0.010**	**0.00060**	**ng/g**

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	**Work Order #....:**	J7V9T1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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	43		30 - 140
13C12-PCB 3	34		30 - 140
13C12-PCB 4	75		30 - 140
13C12-PCB 15	82		30 - 140
13C12-PCB 19	80		30 - 140
13C12-PCB 37	83		30 - 140
13C12-PCB 54	74		30 - 140
13C12-PCB 77	85		30 - 140
13C12-PCB 81	86		30 - 140
13C12-PCB 104	88		30 - 140
13C12-PCB 105	85		30 - 140
13C12-PCB 114	83		30 - 140
13C12-PCB 118	90		30 - 140
13C12-PCB 123	85		30 - 140
13C12-PCB 126	84		30 - 140
13C12-PCB 155	89		30 - 140
13C12-PCB 156	87	C	30 - 140
13C12-PCB 157	87	C	30 - 140
13C12-PCB 167	89		30 - 140
13C12-PCB 169	71		30 - 140
13C12-PCB 170	87		30 - 140
13C12-PCB 188	87		30 - 140
13C12-PCB 189	144	*	30 - 140
13C12-PCB 202	94		30 - 140
13C12-PCB 205	89		30 - 140
13C12-PCB 206	96		30 - 140
13C12-PCB 208	165	*	30 - 140
13C12-PCB 209	180	*	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	82	40 - 125
13C12-PCB 111	94	40 - 125
13C12-PCB 178	83	40 - 125

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	**Work Order #....:**	J7V9T1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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.

- * Surrogate 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.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

Washington Closure Hanford

Sample ID: J15J90

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 004	**Work Order #....:**	J7V9W1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	ND		0.010	0.00040	ng/g
PCB 2 (BZ)	ND		0.010	0.00050	ng/g
PCB 3 (BZ)	ND		0.010	0.00057	ng/g
PCB 4 (BZ)	**0.0032**	**Q B J**	**0.020**	**0.0018**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.0014	ng/g
PCB 6 (BZ)	**0.0016**	**Q B J**	**0.010**	**0.0013**	**ng/g**
PCB 7 (BZ)	**0.00062**	**Q B J**	**0.010**	**0.0013**	**ng/g**
PCB 8 (BZ)	**0.0067**	**Q B J**	**0.020**	**0.0013**	**ng/g**
PCB 9 (BZ)	ND		0.010	0.0013	ng/g
PCB 10 (BZ)	**0.00097**	**Q B J**	**0.010**	**0.0015**	**ng/g**
PCB 11 (BZ)	**0.0040**	**Q B J**	**0.020**	**0.0013**	**ng/g**
PCB 12 (BZ)	ND		0.010	0.0013	ng/g
PCB 13 (BZ)	ND		0.010	0.0013	ng/g
PCB 14 (BZ)	ND		0.010	0.0011	ng/g
PCB 15 (BZ)	**0.0016**	**Q B J**	**0.010**	**0.0014**	**ng/g**
PCB 16 (BZ)	**0.0078**	**B J**	**0.010**	**0.0011**	**ng/g**
PCB 17 (BZ)	**0.015**	**B**	**0.010**	**0.00095**	**ng/g**
PCB 18 (BZ)	**0.037**	**B**	**0.020**	**0.0010**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.0011	ng/g
PCB 20 (BZ)	**0.11**	**B C**	**0.020**	**0.00067**	**ng/g**
PCB 21 (BZ)	**0.022**	**B C**	**0.010**	**0.00065**	**ng/g**
PCB 22 (BZ)	**0.017**	**B**	**0.010**	**0.00068**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00068	ng/g
PCB 24 (BZ)	ND		0.010	0.00071	ng/g
PCB 25 (BZ)	**0.0028**	**B J**	**0.010**	**0.00060**	**ng/g**
PCB 26 (BZ)	**0.012**	**B C**	**0.010**	**0.00065**	**ng/g**
PCB 27 (BZ)	**0.0021**	**Q B J**	**0.010**	**0.00065**	**ng/g**
PCB 28 (BZ)	**0.11**	**B C20**	**0.020**	**0.00067**	**ng/g**
PCB 29 (BZ)	**0.012**	**B C26**	**0.010**	**0.00065**	**ng/g**
PCB 30 (BZ)	ND		0.020	0.00068	ng/g
PCB 31 (BZ)	**0.061**	**B**	**0.020**	**0.00064**	**ng/g**
PCB 32 (BZ)	**0.0050**	**B J**	**0.010**	**0.00064**	**ng/g**
PCB 33 (BZ)	**0.022**	**B C21**	**0.010**	**0.00065**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00068	ng/g
PCB 35 (BZ)	ND		0.010	0.00069	ng/g
PCB 36 (BZ)	ND		0.010	0.00064	ng/g

Washington Closure Hanford

Sample ID: J15J90

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 004	**Work Order #....:**	J7V9W1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0030	B J	0.010	0.00067	ng/g
PCB 38 (BZ)	ND		0.010	0.00066	ng/g
PCB 39 (BZ)	ND		0.010	0.00062	ng/g
PCB 40 (BZ)	0.032	B C	0.010	0.00099	ng/g
PCB 41 (BZ)	0.0071	J	0.010	0.0013	ng/g
PCB 42 (BZ)	0.033		0.010	0.0011	ng/g
PCB 43 (BZ)	0.0058	B C J	0.010	0.00099	ng/g
PCB 44 (BZ)	0.15	B C	0.010	0.00092	ng/g
PCB 45 (BZ)	0.0067	B C J	0.010	0.0011	ng/g
PCB 46 (BZ)	ND		0.010	0.0013	ng/g
PCB 47 (BZ)	0.15	B C44	0.010	0.00092	ng/g
PCB 48 (BZ)	0.025		0.010	0.0011	ng/g
PCB 49 (BZ)	0.15	B	0.010	0.00094	ng/g
PCB 50 (BZ)	0.0050	Q B C J	0.010	0.0010	ng/g
PCB 51 (BZ)	0.0067	B C45 J	0.010	0.0011	ng/g
PCB 52 (BZ)	0.31	B	0.010	0.0010	ng/g
PCB 53 (BZ)	0.0050	Q B C50 J	0.010	0.0010	ng/g
PCB 54 (BZ)	ND		0.010	0.0011	ng/g
PCB 55 (BZ)	0.0076	J	0.010	0.00081	ng/g
PCB 56 (BZ)	0.026		0.010	0.00077	ng/g
PCB 57 (BZ)	ND		0.010	0.00079	ng/g
PCB 58 (BZ)	0.0060	J	0.010	0.00075	ng/g
PCB 59 (BZ)	0.014	B C	0.010	0.00073	ng/g
PCB 60 (BZ)	0.074		0.010	0.00079	ng/g
PCB 61 (BZ)	ND		0.020	0.00079	ng/g
PCB 62 (BZ)	0.014	B C59	0.010	0.00073	ng/g
PCB 63 (BZ)	0.014	Q	0.010	0.00071	ng/g
PCB 64 (BZ)	0.080	B	0.010	0.00072	ng/g
PCB 65 (BZ)	0.15	B C44	0.010	0.00092	ng/g
PCB 66 (BZ)	0.29	B	0.010	0.00073	ng/g
PCB 67 (BZ)	0.0034	J	0.010	0.00074	ng/g
PCB 68 (BZ)	ND		0.010	0.00071	ng/g
PCB 69 (BZ)	ND		0.010	0.00080	ng/g
PCB 70 (BZ)	0.47	B C	0.020	0.00072	ng/g
PCB 71 (BZ)	0.032	B C40	0.010	0.00099	ng/g
PCB 72 (BZ)	0.0040	J	0.010	0.00075	ng/g

Washington Closure Hanford

Sample ID: J15J90

Trace Level Organic Compounds

Lot - Sample #....:	H71280209 - 004	**Work Order #....:**	J7V9W1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.0058**	**B C43 J**	**0.010**	**0.00099**	**ng/g**
PCB 74 (BZ)	**0.47**	**B C70**	**0.020**	**0.00072**	**ng/g**
PCB 75 (BZ)	**0.014**	**B C59**	**0.010**	**0.00073**	**ng/g**
PCB 76 (BZ)	**0.47**	**B C70**	**0.020**	**0.00072**	**ng/g**
PCB 77 (BZ)	**0.011**	**Q**	**0.010**	**0.00075**	**ng/g**
PCB 78 (BZ)	ND		0.010	0.00080	ng/g
PCB 79 (BZ)	**0.0038**	**J**	**0.010**	**0.00069**	**ng/g**
PCB 80 (BZ)	ND		0.010	0.00067	ng/g
PCB 81 (BZ)	**0.00086**	**Q J**	**0.010**	**0.00076**	**ng/g**
PCB 82 (BZ)	**0.032**		**0.010**	**0.0023**	**ng/g**
PCB 83 (BZ)	**0.79**	**C**	**0.010**	**0.0018**	**ng/g**
PCB 84 (BZ)	**0.034**		**0.010**	**0.0021**	**ng/g**
PCB 85 (BZ)	**0.23**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 86 (BZ)	**0.39**	**C**	**0.010**	**0.0015**	**ng/g**
PCB 87 (BZ)	**0.39**	**C86**	**0.010**	**0.0015**	**ng/g**
PCB 88 (BZ)	ND		0.010	0.0019	ng/g
PCB 89 (BZ)	ND		0.010	0.0020	ng/g
PCB 90 (BZ)	**0.89**	**B C**	**0.010**	**0.0014**	**ng/g**
PCB 91 (BZ)	**0.037**	**Q**	**0.010**	**0.0016**	**ng/g**
PCB 92 (BZ)	**0.16**		**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)	**0.18**	**B Q C**	**0.010**	**0.0016**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.0014	ng/g
PCB 97 (BZ)	**0.39**	**C86**	**0.010**	**0.0015**	**ng/g**
PCB 98 (BZ)	**0.0053**	**Q C J**	**0.010**	**0.0017**	**ng/g**
PCB 99 (BZ)	**0.79**	**C83**	**0.010**	**0.0018**	**ng/g**
PCB 100 (BZ)	**0.18**	**Q B C95**	**0.010**	**0.0016**	**ng/g**
PCB 101 (BZ)	**0.89**	**B C90**	**0.010**	**0.0014**	**ng/g**
PCB 102 (BZ)	**0.0053**	**Q C98 J**	**0.010**	**0.0017**	**ng/g**
PCB 103 (BZ)	**0.0030**	**Q J**	**0.010**	**0.0016**	**ng/g**
PCB 104 (BZ)	ND		0.010	0.0012	ng/g
PCB 105 (BZ)	**0.46**		**0.010**	**0.0010**	**ng/g**
PCB 106 (BZ)	ND		0.010	0.0012	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.097**		**0.010**	**0.0011**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.027**	**C**	**0.010**	**0.0011**	**ng/g**

Washington Closure Hanford

Sample ID: J15J90

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 004	**Work Order #....:**	J7V9W1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	0.39	C86	0.010	0.0015	ng/g
PCB 110 (BZ)	0.68	B C	0.010	0.0012	ng/g
PCB 111 (BZ)	ND		0.010	0.0012	ng/g
PCB 112 (BZ)	ND		0.010	0.0013	ng/g
PCB 113 (BZ)	0.89	B C90	0.010	0.0014	ng/g
PCB 114 (BZ)	0.032		0.010	0.0010	ng/g
PCB 115 (BZ)	0.68	B C110	0.010	0.0012	ng/g
PCB 116 (BZ)	0.23	C85	0.010	0.0014	ng/g
PCB 117 (BZ)	0.23	C85	0.010	0.0014	ng/g
PCB 118 (BZ)	1.4	B	0.010	0.0011	ng/g
PCB 119 (BZ)	0.39	C86	0.010	0.0015	ng/g
PCB 120 (BZ)	0.0051	Q J	0.010	0.0012	ng/g
PCB 121 (BZ)	ND		0.010	0.0013	ng/g
PCB 122 (BZ)	0.0029	Q J	0.010	0.0012	ng/g
PCB 123 (BZ)	0.016		0.010	0.0010	ng/g
PCB 124 (BZ)	0.027	C108	0.010	0.0011	ng/g
PCB 125 (BZ)	0.39	C86	0.010	0.0015	ng/g
PCB 126 (BZ)	0.0074	Q J	0.010	0.0011	ng/g
PCB 127 (BZ)	ND		0.010	0.0011	ng/g
PCB 128 (BZ)	0.32		0.010	0.0026	ng/g
PCB 129 (BZ)	2.1	B C	0.010	0.0022	ng/g
PCB 130 (BZ)	0.075		0.010	0.0029	ng/g
PCB 131 (BZ)	0.0030	J	0.010	0.0028	ng/g
PCB 132 (BZ)	0.075	B	0.010	0.0028	ng/g
PCB 133 (BZ)	0.027		0.010	0.0026	ng/g
PCB 134 (BZ)	0.017	C	0.010	0.0028	ng/g
PCB 135 (BZ)	0.16	B C	0.010	0.0020	ng/g
PCB 136 (BZ)	0.030	B	0.010	0.0017	ng/g
PCB 137 (BZ)	0.068	Q	0.010	0.0024	ng/g
PCB 138 (BZ)	2.1	B C129	0.010	0.0022	ng/g
PCB 139 (BZ)	0.027	C	0.010	0.0024	ng/g
PCB 140 (BZ)	0.027	C139	0.010	0.0024	ng/g
PCB 141 (BZ)	0.17		0.010	0.0027	ng/g
PCB 142 (BZ)	ND		0.010	0.0028	ng/g
PCB 143 (BZ)	0.017	C134	0.010	0.0028	ng/g
PCB 144 (BZ)	0.021		0.010	0.0021	ng/g

Washington Closure Hanford

Sample ID: J15J90

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 004	**Work Order #....:**	J7V9W1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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	0.0016	ng/g
PCB 146 (BZ)	**0.28**		**0.010**	**0.0023**	**ng/g**
PCB 147 (BZ)	**0.18**	**B C**	**0.010**	**0.0023**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.0021	ng/g
PCB 149 (BZ)	**0.18**	**B C147**	**0.010**	**0.0023**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.0015	ng/g
PCB 151 (BZ)	**0.16**	**B C135**	**0.010**	**0.0020**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0016	ng/g
PCB 153 (BZ)	**2.1**	**B C**	**0.010**	**0.0019**	**ng/g**
PCB 154 (BZ)	**0.16**	**B C135**	**0.010**	**0.0020**	**ng/g**
PCB 155 (BZ)	ND		0.010	0.0014	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)	**0.17**		**0.010**	**0.0017**	**ng/g**
PCB 159 (BZ)	ND		0.010	0.0019	ng/g
PCB 160 (BZ)	**2.1**	**B C129**	**0.010**	**0.0022**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0019	ng/g
PCB 162 (BZ)	**0.0080**	**J**	**0.010**	**0.0019**	**ng/g**
PCB 163 (BZ)	**2.1**	**B C129**	**0.010**	**0.0022**	**ng/g**
PCB 164 (BZ)	**0.060**		**0.010**	**0.0020**	**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)	**0.064**		**0.010**	**0.0012**	**ng/g**
PCB 168 (BZ)	**2.1**	**B C153**	**0.010**	**0.0019**	**ng/g**
PCB 169 (BZ)	ND		0.010	0.0015	ng/g
PCB 170 (BZ)	**0.23**		**0.010**	**0.0015**	**ng/g**
PCB 171 (BZ)	**0.065**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 172 (BZ)	**0.038**		**0.010**	**0.0014**	**ng/g**
PCB 173 (BZ)	**0.065**	**C171**	**0.010**	**0.0014**	**ng/g**
PCB 174 (BZ)	**0.034**		**0.010**	**0.0013**	**ng/g**
PCB 175 (BZ)	**0.0042**	**Q J**	**0.010**	**0.0013**	**ng/g**
PCB 176 (BZ)	**0.0024**	**Q J**	**0.010**	**0.00096**	**ng/g**
PCB 177 (BZ)	**0.053**		**0.010**	**0.0014**	**ng/g**
PCB 178 (BZ)	**0.054**		**0.010**	**0.0014**	**ng/g**
PCB 179 (BZ)	**0.028**	**B**	**0.010**	**0.0010**	**ng/g**
PCB 180 (BZ)	**0.52**	**C**	**0.010**	**0.0011**	**ng/g**

Washington Closure Hanford

Sample ID: J15J90

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 004	**Work Order #....:**	J7V9W1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.0022**	**Q J**	**0.010**	**0.0012**	**ng/g**
PCB 182 (BZ)	ND		0.010	0.0012	ng/g
PCB 183 (BZ)	**0.15**	**B**	**0.010**	**0.0013**	**ng/g**
PCB 184 (BZ)	ND		0.010	0.0010	ng/g
PCB 185 (BZ)	**0.012**		**0.010**	**0.0013**	**ng/g**
PCB 186 (BZ)	ND		0.010	0.00099	ng/g
PCB 187 (BZ)	**0.29**		**0.010**	**0.0012**	**ng/g**
PCB 188 (BZ)	ND		0.010	0.00091	ng/g
PCB 189 (BZ)	**0.0072**	**Q J**	**0.010**	**0.0013**	**ng/g**
PCB 190 (BZ)	**0.064**		**0.010**	**0.00096**	**ng/g**
PCB 191 (BZ)	**0.012**		**0.010**	**0.00098**	**ng/g**
PCB 192 (BZ)	ND		0.010	0.0011	ng/g
PCB 193 (BZ)	**0.52**	**C180**	**0.010**	**0.0011**	**ng/g**
PCB 194 (BZ)	**0.082**		**0.010**	**0.0022**	**ng/g**
PCB 195 (BZ)	**0.046**	**Q**	**0.010**	**0.0024**	**ng/g**
PCB 196 (BZ)	**0.031**		**0.010**	**0.0010**	**ng/g**
PCB 197 (BZ)	ND		0.010	0.00073	ng/g
PCB 198 (BZ)	**0.071**	**C**	**0.010**	**0.0010**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.071**	**C198**	**0.010**	**0.0010**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00075	ng/g
PCB 200 (BZ)/201 (IUPAC)	**0.0044**	**J**	**0.010**	**0.00071**	**ng/g**
PCB 202 (BZ)	**0.021**		**0.010**	**0.00078**	**ng/g**
PCB 203 (BZ)	**0.072**		**0.010**	**0.00090**	**ng/g**
PCB 204 (BZ)	ND		0.010	0.00075	ng/g
PCB 205 (BZ)	**0.0055**	**Q J**	**0.010**	**0.0018**	**ng/g**
PCB 206 (BZ)	**0.035**		**0.010**	**0.0015**	**ng/g**
PCB 207 (BZ)	**0.0023**	**J**	**0.010**	**0.00068**	**ng/g**
PCB 208 (BZ)	**0.0055**	**J**	**0.010**	**0.00058**	**ng/g**
PCB 209 (BZ)	**0.0060**	**Q J**	**0.010**	**0.00057**	**ng/g**

Washington Closure Hanford

Sample ID: J15J90

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 004	**Work Order #....:**	J7V9W1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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	49		30 - 140
13C12-PCB 3	41		30 - 140
13C12-PCB 4	77		30 - 140
13C12-PCB 15	81		30 - 140
13C12-PCB 19	81		30 - 140
13C12-PCB 37	84		30 - 140
13C12-PCB 54	77		30 - 140
13C12-PCB 77	86		30 - 140
13C12-PCB 81	86		30 - 140
13C12-PCB 104	86		30 - 140
13C12-PCB 105	90		30 - 140
13C12-PCB 114	88		30 - 140
13C12-PCB 118	93		30 - 140
13C12-PCB 123	89		30 - 140
13C12-PCB 126	83		30 - 140
13C12-PCB 155	92		30 - 140
13C12-PCB 156	86	C	30 - 140
13C12-PCB 157	86	C	30 - 140
13C12-PCB 167	80		30 - 140
13C12-PCB 169	69		30 - 140
13C12-PCB 170	91		30 - 140
13C12-PCB 188	94		30 - 140
13C12-PCB 189	132		30 - 140
13C12-PCB 202	101		30 - 140
13C12-PCB 205	93		30 - 140
13C12-PCB 206	100		30 - 140
13C12-PCB 208	159	*	30 - 140
13C12-PCB 209	160	*	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	86	40 - 125
13C12-PCB 111	96	40 - 125
13C12-PCB 178	88	40 - 125

Washington Closure Hanford

Sample ID: J15J90

Trace Level Organic Compounds

Lot - Sample #....:	H71280209 - 004	**Work Order #....:**	J7V9W1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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.

- * Surrogate 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.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

Washington Closure Hanford

Sample ID: J15J89

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 005	**Work Order #....:**	J7V901AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	MID	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.010	0.00041	ng/g
PCB 2 (BZ)	ND		0.010	0.00054	ng/g
PCB 3 (BZ)	ND		0.010	0.00068	ng/g
PCB 4 (BZ)	**0.0035**	**Q B J**	**0.020**	**0.0018**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.0014	ng/g
PCB 6 (BZ)	**0.0018**	**Q B J**	**0.010**	**0.0013**	**ng/g**
PCB 7 (BZ)	ND		0.010	0.0013	ng/g
PCB 8 (BZ)	**0.0079**	**Q B J**	**0.020**	**0.0013**	**ng/g**
PCB 9 (BZ)	ND		0.010	0.0013	ng/g
PCB 10 (BZ)	ND		0.010	0.0014	ng/g
PCB 11 (BZ)	**0.0042**	**Q B J**	**0.020**	**0.0013**	**ng/g**
PCB 12 (BZ)	ND		0.010	0.0013	ng/g
PCB 13 (BZ)	ND		0.010	0.0013	ng/g
PCB 14 (BZ)	ND		0.010	0.0011	ng/g
PCB 15 (BZ)	ND		0.010	0.0014	ng/g
PCB 16 (BZ)	**0.0083**	**B J**	**0.010**	**0.0011**	**ng/g**
PCB 17 (BZ)	**0.015**	**B**	**0.010**	**0.0010**	**ng/g**
PCB 18 (BZ)	**0.039**	**B**	**0.020**	**0.0011**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.0011	ng/g
PCB 20 (BZ)	**0.11**	**B C**	**0.020**	**0.00069**	**ng/g**
PCB 21 (BZ)	**0.022**	**B C**	**0.010**	**0.00067**	**ng/g**
PCB 22 (BZ)	**0.015**	**B**	**0.010**	**0.00071**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00071	ng/g
PCB 24 (BZ)	ND		0.010	0.00074	ng/g
PCB 25 (BZ)	**0.0026**	**Q B J**	**0.010**	**0.00063**	**ng/g**
PCB 26 (BZ)	**0.012**	**B C**	**0.010**	**0.00068**	**ng/g**
PCB 27 (BZ)	**0.0029**	**Q B J**	**0.010**	**0.00068**	**ng/g**
PCB 28 (BZ)	**0.11**	**B C20**	**0.020**	**0.00069**	**ng/g**
PCB 29 (BZ)	**0.012**	**B C26**	**0.010**	**0.00068**	**ng/g**
PCB 30 (BZ)	ND		0.020	0.00071	ng/g
PCB 31 (BZ)	**0.060**	**B**	**0.020**	**0.00067**	**ng/g**
PCB 32 (BZ)	**0.0054**	**B J**	**0.010**	**0.00067**	**ng/g**
PCB 33 (BZ)	**0.022**	**B C21**	**0.010**	**0.00067**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00071	ng/g
PCB 35 (BZ)	ND		0.010	0.00072	ng/g
PCB 36 (BZ)	ND		0.010	0.00067	ng/g

Washington Closure Hanford

Sample ID: J15J89

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 005	**Work Order #....:**	J7V901AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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)	**0.0024**	**B J**	**0.010**	**0.00070**	**ng/g**
PCB 38 (BZ)	ND		0.010	0.00069	ng/g
PCB 39 (BZ)	ND		0.010	0.00065	ng/g
PCB 40 (BZ)	**0.045**	**B C**	**0.010**	**0.0012**	**ng/g**
PCB 41 (BZ)	**0.0077**	**Q J**	**0.010**	**0.0015**	**ng/g**
PCB 42 (BZ)	**0.035**	**Q**	**0.010**	**0.0013**	**ng/g**
PCB 43 (BZ)	**0.0074**	**Q B C J**	**0.010**	**0.0012**	**ng/g**
PCB 44 (BZ)	**0.19**	**B C**	**0.010**	**0.0011**	**ng/g**
PCB 45 (BZ)	**0.0056**	**Q B C J**	**0.010**	**0.0013**	**ng/g**
PCB 46 (BZ)	**0.0017**	**Q J**	**0.010**	**0.0016**	**ng/g**
PCB 47 (BZ)	**0.19**	**B C44**	**0.010**	**0.0011**	**ng/g**
PCB 48 (BZ)	**0.037**		**0.010**	**0.0012**	**ng/g**
PCB 49 (BZ)	**0.20**	**B**	**0.010**	**0.0011**	**ng/g**
PCB 50 (BZ)	**0.0043**	**Q B C J**	**0.010**	**0.0012**	**ng/g**
PCB 51 (BZ)	**0.0056**	**Q B C45 J**	**0.010**	**0.0013**	**ng/g**
PCB 52 (BZ)	**0.38**	**B**	**0.010**	**0.0012**	**ng/g**
PCB 53 (BZ)	**0.0043**	**Q B C50 J**	**0.010**	**0.0012**	**ng/g**
PCB 54 (BZ)	ND		0.010	0.0012	ng/g
PCB 55 (BZ)	ND		0.010	0.00095	ng/g
PCB 56 (BZ)	**0.025**		**0.010**	**0.00090**	**ng/g**
PCB 57 (BZ)	ND		0.010	0.00092	ng/g
PCB 58 (BZ)	**0.0066**	**J**	**0.010**	**0.00087**	**ng/g**
PCB 59 (BZ)	**0.018**	**Q B C**	**0.010**	**0.00085**	**ng/g**
PCB 60 (BZ)	**0.10**		**0.010**	**0.00093**	**ng/g**
PCB 61 (BZ)	ND		0.020	0.00093	ng/g
PCB 62 (BZ)	**0.018**	**Q B C59**	**0.010**	**0.00085**	**ng/g**
PCB 63 (BZ)	**0.019**	**Q**	**0.010**	**0.00082**	**ng/g**
PCB 64 (BZ)	**0.11**	**B**	**0.010**	**0.00084**	**ng/g**
PCB 65 (BZ)	**0.19**	**B C44**	**0.010**	**0.0011**	**ng/g**
PCB 66 (BZ)	**0.42**	**B**	**0.010**	**0.00085**	**ng/g**
PCB 67 (BZ)	**0.0022**	**J**	**0.010**	**0.00086**	**ng/g**
PCB 68 (BZ)	**0.0018**	**Q B J**	**0.010**	**0.00083**	**ng/g**
PCB 69 (BZ)	ND		0.010	0.00093	ng/g
PCB 70 (BZ)	**0.60**	**B C**	**0.020**	**0.00084**	**ng/g**
PCB 71 (BZ)	**0.045**	**B C40**	**0.010**	**0.0012**	**ng/g**
PCB 72 (BZ)	**0.0049**	**J**	**0.010**	**0.00088**	**ng/g**

Washington Closure Hanford

Sample ID: J15J89

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 005	**Work Order #....:**	J7V901AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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)	**0.0074**	**Q B C43 J**	**0.010**	**0.0012**	**ng/g**
PCB 74 (BZ)	**0.60**	**B C70**	**0.020**	**0.00084**	**ng/g**
PCB 75 (BZ)	**0.018**	**Q B C59**	**0.010**	**0.00085**	**ng/g**
PCB 76 (BZ)	**0.60**	**B C70**	**0.020**	**0.00084**	**ng/g**
PCB 77 (BZ)	**0.0096**	**J**	**0.010**	**0.00092**	**ng/g**
PCB 78 (BZ)	ND		0.010	0.00093	ng/g
PCB 79 (BZ)	**0.0021**	**Q J**	**0.010**	**0.00080**	**ng/g**
PCB 80 (BZ)	ND		0.010	0.00078	ng/g
PCB 81 (BZ)	**0.00097**	**Q J**	**0.010**	**0.00084**	**ng/g**
PCB 82 (BZ)	**0.018**	**Q**	**0.010**	**0.0021**	**ng/g**
PCB 83 (BZ)	**1.2**	**C**	**0.010**	**0.0016**	**ng/g**
PCB 84 (BZ)	**0.029**		**0.010**	**0.0019**	**ng/g**
PCB 85 (BZ)	**0.34**	**Q C**	**0.010**	**0.0013**	**ng/g**
PCB 86 (BZ)	**0.48**	**C**	**0.010**	**0.0013**	**ng/g**
PCB 87 (BZ)	**0.48**	**C86**	**0.010**	**0.0013**	**ng/g**
PCB 88 (BZ)	ND		0.010	0.0018	ng/g
PCB 89 (BZ)	ND		0.010	0.0018	ng/g
PCB 90 (BZ)	**1.1**	**B C**	**0.010**	**0.0013**	**ng/g**
PCB 91 (BZ)	**0.038**		**0.010**	**0.0015**	**ng/g**
PCB 92 (BZ)	**0.21**		**0.010**	**0.0016**	**ng/g**
PCB 93 (BZ)	**0.0054**	**Q J**	**0.010**	**0.0018**	**ng/g**
PCB 94 (BZ)	ND		0.010	0.0018	ng/g
PCB 95 (BZ)	**0.23**	**B C**	**0.010**	**0.0015**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.0012	ng/g
PCB 97 (BZ)	**0.48**	**C86**	**0.010**	**0.0013**	**ng/g**
PCB 98 (BZ)	ND		0.010	0.0015	ng/g
PCB 99 (BZ)	**1.2**	**C83**	**0.010**	**0.0016**	**ng/g**
PCB 100 (BZ)	**0.23**	**B C95**	**0.010**	**0.0015**	**ng/g**
PCB 101 (BZ)	**1.1**	**B C90**	**0.010**	**0.0013**	**ng/g**
PCB 102 (BZ)	ND		0.010	0.0015	ng/g
PCB 103 (BZ)	**0.0026**	**Q J**	**0.010**	**0.0015**	**ng/g**
PCB 104 (BZ)	ND		0.010	0.0011	ng/g
PCB 105 (BZ)	**0.69**		**0.010**	**0.00099**	**ng/g**
PCB 106 (BZ)	ND		0.010	0.0011	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.15**		**0.010**	**0.0011**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.025**	**C**	**0.010**	**0.0010**	**ng/g**

Washington Closure Hanford

Sample ID: J15J89

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 005	**Work Order #....:**	J7V901AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	MID	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.48	C86	0.010	0.0013	ng/g
PCB 110 (BZ)	0.77	B C	0.010	0.0011	ng/g
PCB 111 (BZ)	ND		0.010	0.0011	ng/g
PCB 112 (BZ)	ND		0.010	0.0012	ng/g
PCB 113 (BZ)	1.1	B C90	0.010	0.0013	ng/g
PCB 114 (BZ)	0.060		0.010	0.0010	ng/g
PCB 115 (BZ)	0.77	B C110	0.010	0.0011	ng/g
PCB 116 (BZ)	0.34	Q C85	0.010	0.0013	ng/g
PCB 117 (BZ)	0.34	Q C85	0.010	0.0013	ng/g
PCB 118 (BZ)	2.0	B	0.010	0.00099	ng/g
PCB 119 (BZ)	0.48	C86	0.010	0.0013	ng/g
PCB 120 (BZ)	ND		0.010	0.0011	ng/g
PCB 121 (BZ)	ND		0.010	0.0011	ng/g
PCB 122 (BZ)	0.0087	Q J	0.010	0.0011	ng/g
PCB 123 (BZ)	0.018	Q	0.010	0.00098	ng/g
PCB 124 (BZ)	0.025	C108	0.010	0.0010	ng/g
PCB 125 (BZ)	0.48	C86	0.010	0.0013	ng/g
PCB 126 (BZ)	0.0047	Q J	0.010	0.0011	ng/g
PCB 127 (BZ)	0.0034	J	0.010	0.0010	ng/g
PCB 128 (BZ)	0.53		0.010	0.0023	ng/g
PCB 129 (BZ)	3.1	B C	0.010	0.0019	ng/g
PCB 130 (BZ)	0.087		0.010	0.0025	ng/g
PCB 131 (BZ)	ND		0.010	0.0025	ng/g
PCB 132 (BZ)	0.059	B	0.010	0.0025	ng/g
PCB 133 (BZ)	0.045		0.010	0.0023	ng/g
PCB 134 (BZ)	0.014	C	0.010	0.0025	ng/g
PCB 135 (BZ)	0.24	B C	0.010	0.0019	ng/g
PCB 136 (BZ)	0.037	B	0.010	0.0015	ng/g
PCB 137 (BZ)	0.12		0.010	0.0021	ng/g
PCB 138 (BZ)	3.1	B C129	0.010	0.0019	ng/g
PCB 139 (BZ)	0.043	C	0.010	0.0021	ng/g
PCB 140 (BZ)	0.043	C139	0.010	0.0021	ng/g
PCB 141 (BZ)	0.24		0.010	0.0023	ng/g
PCB 142 (BZ)	ND		0.010	0.0024	ng/g
PCB 143 (BZ)	0.014	C134	0.010	0.0025	ng/g
PCB 144 (BZ)	0.023		0.010	0.0019	ng/g

Washington Closure Hanford

Sample ID: J15J89

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 005	**Work Order #....:**	J7V901AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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	0.0014	ng/g
PCB 146 (BZ)	**0.40**		**0.010**	**0.0020**	**ng/g**
PCB 147 (BZ)	**0.15**	**B C**	**0.010**	**0.0020**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.0019	ng/g
PCB 149 (BZ)	**0.15**	**B C147**	**0.010**	**0.0020**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.0014	ng/g
PCB 151 (BZ)	**0.24**	**B C135**	**0.010**	**0.0019**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0014	ng/g
PCB 153 (BZ)	**3.0**	**B C**	**0.010**	**0.0016**	**ng/g**
PCB 154 (BZ)	**0.24**	**B C135**	**0.010**	**0.0019**	**ng/g**
PCB 155 (BZ)	ND		0.010	0.0013	ng/g
PCB 156 (BZ)	**0.27**	**C**	**0.010**	**0.0020**	**ng/g**
PCB 157 (BZ)	**0.27**	**C156**	**0.010**	**0.0020**	**ng/g**
PCB 158 (BZ)	**0.28**		**0.010**	**0.0015**	**ng/g**
PCB 159 (BZ)	ND		0.010	0.0016	ng/g
PCB 160 (BZ)	**3.1**	**B C129**	**0.010**	**0.0019**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0016	ng/g
PCB 162 (BZ)	**0.014**		**0.010**	**0.0016**	**ng/g**
PCB 163 (BZ)	**3.1**	**B C129**	**0.010**	**0.0019**	**ng/g**
PCB 164 (BZ)	**0.073**		**0.010**	**0.0017**	**ng/g**
PCB 165 (BZ)	ND		0.010	0.0018	ng/g
PCB 166 (BZ)	**0.018**		**0.010**	**0.0016**	**ng/g**
PCB 167 (BZ)	**0.078**		**0.010**	**0.00098**	**ng/g**
PCB 168 (BZ)	**3.0**	**B C153**	**0.010**	**0.0016**	**ng/g**
PCB 169 (BZ)	ND		0.010	0.0015	ng/g
PCB 170 (BZ)	**0.41**		**0.010**	**0.0017**	**ng/g**
PCB 171 (BZ)	**0.13**	**C**	**0.010**	**0.0016**	**ng/g**
PCB 172 (BZ)	**0.064**		**0.010**	**0.0016**	**ng/g**
PCB 173 (BZ)	**0.13**	**C171**	**0.010**	**0.0016**	**ng/g**
PCB 174 (BZ)	**0.033**		**0.010**	**0.0014**	**ng/g**
PCB 175 (BZ)	**0.0081**	**J**	**0.010**	**0.0014**	**ng/g**
PCB 176 (BZ)	ND		0.010	0.0011	ng/g
PCB 177 (BZ)	**0.050**		**0.010**	**0.0015**	**ng/g**
PCB 178 (BZ)	**0.093**		**0.010**	**0.0015**	**ng/g**
PCB 179 (BZ)	**0.034**	**B**	**0.010**	**0.0011**	**ng/g**
PCB 180 (BZ)	**1.0**	**C**	**0.010**	**0.0012**	**ng/g**

Washington Closure Hanford

Sample ID: J15J89

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 005	**Work Order #....:**	J7V901AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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)	**0.0068**	**J**	**0.010**	**0.0014**	**ng/g**
PCB 182 (BZ)	**0.0043**	**Q J**	**0.010**	**0.0014**	**ng/g**
PCB 183 (BZ)	**0.26**	**B**	**0.010**	**0.0014**	**ng/g**
PCB 184 (BZ)	ND		0.010	0.0011	ng/g
PCB 185 (BZ)	**0.016**	**Q**	**0.010**	**0.0014**	**ng/g**
PCB 186 (BZ)	ND		0.010	0.0011	ng/g
PCB 187 (BZ)	**0.35**		**0.010**	**0.0013**	**ng/g**
PCB 188 (BZ)	ND		0.010	0.00098	ng/g
PCB 189 (BZ)	**0.013**	**Q**	**0.010**	**0.0011**	**ng/g**
PCB 190 (BZ)	**0.12**		**0.010**	**0.0011**	**ng/g**
PCB 191 (BZ)	**0.019**		**0.010**	**0.0011**	**ng/g**
PCB 192 (BZ)	ND		0.010	0.0012	ng/g
PCB 193 (BZ)	**1.0**	**C180**	**0.010**	**0.0012**	**ng/g**
PCB 194 (BZ)	**0.14**		**0.010**	**0.0020**	**ng/g**
PCB 195 (BZ)	**0.091**		**0.010**	**0.0022**	**ng/g**
PCB 196 (BZ)	**0.070**		**0.010**	**0.0011**	**ng/g**
PCB 197 (BZ)	**0.0044**	**Q J**	**0.010**	**0.00081**	**ng/g**
PCB 198 (BZ)	**0.10**	**C**	**0.010**	**0.0011**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.10**	**C198**	**0.010**	**0.0011**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00084	ng/g
PCB 200 (BZ)/201 (IUPAC)	**0.0070**	**J**	**0.010**	**0.00079**	**ng/g**
PCB 202 (BZ)	**0.041**		**0.010**	**0.00087**	**ng/g**
PCB 203 (BZ)	**0.15**		**0.010**	**0.0010**	**ng/g**
PCB 204 (BZ)	ND		0.010	0.00084	ng/g
PCB 205 (BZ)	**0.0097**	**Q J**	**0.010**	**0.0016**	**ng/g**
PCB 206 (BZ)	**0.055**		**0.010**	**0.00098**	**ng/g**
PCB 207 (BZ)	**0.0029**	**Q J**	**0.010**	**0.00048**	**ng/g**
PCB 208 (BZ)	**0.0071**	**Q J**	**0.010**	**0.00041**	**ng/g**
PCB 209 (BZ)	**0.0044**	**Q J**	**0.010**	**0.0010**	**ng/g**

Washington Closure Hanford

Sample ID: J15J89

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 005	**Work Order #....:**	J7V901AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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	56		30 - 140
13C12-PCB 3	40		30 - 140
13C12-PCB 4	79		30 - 140
13C12-PCB 15	83		30 - 140
13C12-PCB 19	88		30 - 140
13C12-PCB 37	82		30 - 140
13C12-PCB 54	85		30 - 140
13C12-PCB 77	84		30 - 140
13C12-PCB 81	85		30 - 140
13C12-PCB 104	92		30 - 140
13C12-PCB 105	89		30 - 140
13C12-PCB 114	89		30 - 140
13C12-PCB 118	94		30 - 140
13C12-PCB 123	89		30 - 140
13C12-PCB 126	86		30 - 140
13C12-PCB 155	97		30 - 140
13C12-PCB 156	93	C	30 - 140
13C12-PCB 157	93	C	30 - 140
13C12-PCB 167	107		30 - 140
13C12-PCB 169	72		30 - 140
13C12-PCB 170	90		30 - 140
13C12-PCB 188	93		30 - 140
13C12-PCB 189	136		30 - 140
13C12-PCB 202	99		30 - 140
13C12-PCB 205	97		30 - 140
13C12-PCB 206	109		30 - 140
13C12-PCB 208	154	*	30 - 140
13C12-PCB 209	142	*	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	88	40 - 125
13C12-PCB 111	100	40 - 125
13C12-PCB 178	89	40 - 125

Washington Closure Hanford

Sample ID: J15J89

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 005	**Work Order #....:**	J7V901AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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.

- * Surrogate 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.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

Washington Closure Hanford

Sample ID: J15J88

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 006	Work Order #....:	J7V911AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/21/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/15/07		
Prep Batch # ....:	7278087				
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)	ND		0.010	0.0010	ng/g
PCB 2 (BZ)	ND		0.010	0.0018	ng/g
PCB 3 (BZ)	ND		0.010	0.0046	ng/g
PCB 4 (BZ)	**0.0037**	**Q B J**	**0.020**	**0.0020**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.0017	ng/g
PCB 6 (BZ)	**0.0024**	**Q B J**	**0.010**	**0.0016**	**ng/g**
PCB 7 (BZ)	ND		0.010	0.0016	ng/g
PCB 8 (BZ)	**0.0060**	**Q B J**	**0.020**	**0.0015**	**ng/g**
PCB 9 (BZ)	**0.0019**	**Q B J**	**0.010**	**0.0016**	**ng/g**
PCB 10 (BZ)	**0.00086**	**Q B J**	**0.010**	**0.0017**	**ng/g**
PCB 11 (BZ)	**0.0035**	**Q B J**	**0.020**	**0.0016**	**ng/g**
PCB 12 (BZ)	**0.0015**	**Q B C J**	**0.010**	**0.0015**	**ng/g**
PCB 13 (BZ)	**0.0015**	**Q B C12 J**	**0.010**	**0.0015**	**ng/g**
PCB 14 (BZ)	ND		0.010	0.0013	ng/g
PCB 15 (BZ)	**0.0019**	**Q B J**	**0.010**	**0.0017**	**ng/g**
PCB 16 (BZ)	**0.0071**	**Q B J**	**0.010**	**0.0013**	**ng/g**
PCB 17 (BZ)	**0.011**	**Q B**	**0.010**	**0.0012**	**ng/g**
PCB 18 (BZ)	**0.037**	**B**	**0.020**	**0.0012**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.0013	ng/g
PCB 20 (BZ)	**0.11**	**B C**	**0.020**	**0.00086**	**ng/g**
PCB 21 (BZ)	**0.015**	**B C**	**0.010**	**0.00083**	**ng/g**
PCB 22 (BZ)	**0.016**	**B**	**0.010**	**0.00087**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00088	ng/g
PCB 24 (BZ)	ND		0.010	0.00087	ng/g
PCB 25 (BZ)	**0.0033**	**B J**	**0.010**	**0.00078**	**ng/g**
PCB 26 (BZ)	**0.012**	**B C**	**0.010**	**0.00084**	**ng/g**
PCB 27 (BZ)	**0.0029**	**B J**	**0.010**	**0.00080**	**ng/g**
PCB 28 (BZ)	**0.11**	**B C20**	**0.020**	**0.00086**	**ng/g**
PCB 29 (BZ)	**0.012**	**B C26**	**0.010**	**0.00084**	**ng/g**
PCB 30 (BZ)	ND		0.020	0.00083	ng/g
PCB 31 (BZ)	**0.053**	**B**	**0.020**	**0.00083**	**ng/g**
PCB 32 (BZ)	**0.0038**	**B J**	**0.010**	**0.00079**	**ng/g**
PCB 33 (BZ)	**0.015**	**B C21**	**0.010**	**0.00083**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00088	ng/g
PCB 35 (BZ)	ND		0.010	0.00089	ng/g
PCB 36 (BZ)	ND		0.010	0.00083	ng/g

Washington Closure Hanford

Sample ID: J15J88

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 006	**Work Order #....:**	J7V911AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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)	0.0043	B J	0.010	0.00087	ng/g
PCB 38 (BZ)	ND		0.010	0.00085	ng/g
PCB 39 (BZ)	0.0013	B J	0.010	0.00080	ng/g
PCB 40 (BZ)	0.020	B C	0.010	0.0013	ng/g
PCB 41 (BZ)	0.0061	Q J	0.010	0.0017	ng/g
PCB 42 (BZ)	0.031		0.010	0.0014	ng/g
PCB 43 (BZ)	0.0079	Q B C J	0.010	0.0013	ng/g
PCB 44 (BZ)	0.16	B C	0.010	0.0012	ng/g
PCB 45 (BZ)	0.0049	B C J	0.010	0.0014	ng/g
PCB 46 (BZ)	ND		0.010	0.0017	ng/g
PCB 47 (BZ)	0.16	B C44	0.010	0.0012	ng/g
PCB 48 (BZ)	0.022		0.010	0.0014	ng/g
PCB 49 (BZ)	0.15	B	0.010	0.0012	ng/g
PCB 50 (BZ)	0.0030	Q B C J	0.010	0.0013	ng/g
PCB 51 (BZ)	0.0049	B C45 J	0.010	0.0014	ng/g
PCB 52 (BZ)	0.32	B	0.010	0.0013	ng/g
PCB 53 (BZ)	0.0030	Q B C50 J	0.010	0.0013	ng/g
PCB 54 (BZ)	ND		0.010	0.0014	ng/g
PCB 55 (BZ)	0.0080	Q J	0.010	0.0011	ng/g
PCB 56 (BZ)	0.025		0.010	0.00099	ng/g
PCB 57 (BZ)	0.0015	J	0.010	0.0010	ng/g
PCB 58 (BZ)	0.0060	J	0.010	0.00097	ng/g
PCB 59 (BZ)	0.016	B C	0.010	0.00094	ng/g
PCB 60 (BZ)	0.078		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	0.00094	ng/g
PCB 63 (BZ)	0.014	Q	0.010	0.00091	ng/g
PCB 64 (BZ)	0.084	B	0.010	0.00093	ng/g
PCB 65 (BZ)	0.16	B C44	0.010	0.0012	ng/g
PCB 66 (BZ)	0.37	B	0.010	0.00095	ng/g
PCB 67 (BZ)	0.0028	Q J	0.010	0.00095	ng/g
PCB 68 (BZ)	0.0024	Q B J	0.010	0.00092	ng/g
PCB 69 (BZ)	ND		0.010	0.0010	ng/g
PCB 70 (BZ)	0.53	B C	0.020	0.00093	ng/g
PCB 71 (BZ)	0.020	B C40	0.010	0.0013	ng/g
PCB 72 (BZ)	0.0038	J	0.010	0.00097	ng/g

Washington Closure Hanford

Sample ID: J15J88

Trace Level Organic Compounds

Lot - Sample #....:	H71280209 - 006	**Work Order #....:**	J7V911AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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)	**0.0079**	**Q B C43 J**	**0.010**	**0.0013**	**ng/g**
PCB 74 (BZ)	**0.53**	**B C70**	**0.020**	**0.00093**	**ng/g**
PCB 75 (BZ)	**0.016**	**B C59**	**0.010**	**0.00094**	**ng/g**
PCB 76 (BZ)	**0.53**	**B C70**	**0.020**	**0.00093**	**ng/g**
PCB 77 (BZ)	**0.017**		**0.010**	**0.0010**	**ng/g**
PCB 78 (BZ)	ND		0.010	0.0010	ng/g
PCB 79 (BZ)	**0.0037**	**J**	**0.010**	**0.00089**	**ng/g**
PCB 80 (BZ)	ND		0.010	0.00086	ng/g
PCB 81 (BZ)	ND		0.010	0.00091	ng/g
PCB 82 (BZ)	**0.027**		**0.010**	**0.0028**	**ng/g**
PCB 83 (BZ)	**0.94**	**C**	**0.010**	**0.0022**	**ng/g**
PCB 84 (BZ)	**0.027**		**0.010**	**0.0025**	**ng/g**
PCB 85 (BZ)	**0.29**	**C**	**0.010**	**0.0017**	**ng/g**
PCB 86 (BZ)	**0.41**	**C**	**0.010**	**0.0018**	**ng/g**
PCB 87 (BZ)	**0.41**	**C86**	**0.010**	**0.0018**	**ng/g**
PCB 88 (BZ)	ND		0.010	0.0023	ng/g
PCB 89 (BZ)	ND		0.010	0.0024	ng/g
PCB 90 (BZ)	**0.99**	**B C**	**0.010**	**0.0017**	**ng/g**
PCB 91 (BZ)	**0.039**		**0.010**	**0.0020**	**ng/g**
PCB 92 (BZ)	**0.19**		**0.010**	**0.0022**	**ng/g**
PCB 93 (BZ)	ND		0.010	0.0024	ng/g
PCB 94 (BZ)	ND		0.010	0.0024	ng/g
PCB 95 (BZ)	**0.21**	**B C**	**0.010**	**0.0020**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.0017	ng/g
PCB 97 (BZ)	**0.41**	**C86**	**0.010**	**0.0018**	**ng/g**
PCB 98 (BZ)	ND		0.010	0.0021	ng/g
PCB 99 (BZ)	**0.94**	**C83**	**0.010**	**0.0022**	**ng/g**
PCB 100 (BZ)	**0.21**	**B C95**	**0.010**	**0.0020**	**ng/g**
PCB 101 (BZ)	**0.99**	**B C90**	**0.010**	**0.0017**	**ng/g**
PCB 102 (BZ)	ND		0.010	0.0021	ng/g
PCB 103 (BZ)	ND		0.010	0.0020	ng/g
PCB 104 (BZ)	ND		0.010	0.0015	ng/g
PCB 105 (BZ)	**0.52**		**0.010**	**0.0013**	**ng/g**
PCB 106 (BZ)	ND		0.010	0.0015	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.12**		**0.010**	**0.0015**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.027**	**C**	**0.010**	**0.0014**	**ng/g**

Washington Closure Hanford

Sample ID: J15J88

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 006	**Work Order #....:**	J7V911AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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)	0.41	C86	0.010	0.0018	ng/g
PCB 110 (BZ)	0.80	B C	0.010	0.0015	ng/g
PCB 111 (BZ)	ND		0.010	0.0015	ng/g
PCB 112 (BZ)	ND		0.010	0.0016	ng/g
PCB 113 (BZ)	0.99	B C90	0.010	0.0017	ng/g
PCB 114 (BZ)	0.038		0.010	0.0013	ng/g
PCB 115 (BZ)	0.80	B C110	0.010	0.0015	ng/g
PCB 116 (BZ)	0.29	C85	0.010	0.0017	ng/g
PCB 117 (BZ)	0.29	C85	0.010	0.0017	ng/g
PCB 118 (BZ)	1.6	B	0.010	0.0013	ng/g
PCB 119 (BZ)	0.41	C86	0.010	0.0018	ng/g
PCB 120 (BZ)	ND		0.010	0.0014	ng/g
PCB 121 (BZ)	ND		0.010	0.0015	ng/g
PCB 122 (BZ)	ND		0.010	0.0015	ng/g
PCB 123 (BZ)	0.022		0.010	0.0013	ng/g
PCB 124 (BZ)	0.027	C108	0.010	0.0014	ng/g
PCB 125 (BZ)	0.41	C86	0.010	0.0018	ng/g
PCB 126 (BZ)	0.0035	Q J	0.010	0.0016	ng/g
PCB 127 (BZ)	0.0031	Q J	0.010	0.0014	ng/g
PCB 128 (BZ)	0.41		0.010	0.0029	ng/g
PCB 129 (BZ)	2.5	B C	0.010	0.0024	ng/g
PCB 130 (BZ)	0.091		0.010	0.0032	ng/g
PCB 131 (BZ)	ND		0.010	0.0032	ng/g
PCB 132 (BZ)	0.089	B	0.010	0.0032	ng/g
PCB 133 (BZ)	0.036		0.010	0.0029	ng/g
PCB 134 (BZ)	0.025	C	0.010	0.0032	ng/g
PCB 135 (BZ)	0.24	B C	0.010	0.0022	ng/g
PCB 136 (BZ)	0.040	B	0.010	0.0017	ng/g
PCB 137 (BZ)	0.078		0.010	0.0027	ng/g
PCB 138 (BZ)	2.5	B C129	0.010	0.0024	ng/g
PCB 139 (BZ)	0.031	C	0.010	0.0026	ng/g
PCB 140 (BZ)	0.031	C139	0.010	0.0026	ng/g
PCB 141 (BZ)	0.19		0.010	0.0030	ng/g
PCB 142 (BZ)	ND		0.010	0.0031	ng/g
PCB 143 (BZ)	0.025	C134	0.010	0.0032	ng/g
PCB 144 (BZ)	0.024		0.010	0.0022	ng/g

Washington Closure Hanford

Sample ID: J15J88

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 006	**Work Order #....:**	J7V911AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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	0.0016	ng/g
PCB 146 (BZ)	**0.37**		**0.010**	**0.0026**	**ng/g**
PCB 147 (BZ)	**0.19**	**B C**	**0.010**	**0.0026**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.0022	ng/g
PCB 149 (BZ)	**0.19**	**B C147**	**0.010**	**0.0026**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.0016	ng/g
PCB 151 (BZ)	**0.24**	**B C135**	**0.010**	**0.0022**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0016	ng/g
PCB 153 (BZ)	**2.3**	**B C**	**0.010**	**0.0021**	**ng/g**
PCB 154 (BZ)	**0.24**	**B C135**	**0.010**	**0.0022**	**ng/g**
PCB 155 (BZ)	ND		0.010	0.0015	ng/g
PCB 156 (BZ)	**0.20**	**C**	**0.010**	**0.0025**	**ng/g**
PCB 157 (BZ)	**0.20**	**C156**	**0.010**	**0.0025**	**ng/g**
PCB 158 (BZ)	**0.20**		**0.010**	**0.0019**	**ng/g**
PCB 159 (BZ)	**0.0027**	**J**	**0.010**	**0.0021**	**ng/g**
PCB 160 (BZ)	**2.5**	**B C129**	**0.010**	**0.0024**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0021	ng/g
PCB 162 (BZ)	**0.0097**	**Q J**	**0.010**	**0.0021**	**ng/g**
PCB 163 (BZ)	**2.5**	**B C129**	**0.010**	**0.0024**	**ng/g**
PCB 164 (BZ)	**0.064**		**0.010**	**0.0022**	**ng/g**
PCB 165 (BZ)	ND		0.010	0.0023	ng/g
PCB 166 (BZ)	**0.017**	**Q**	**0.010**	**0.0020**	**ng/g**
PCB 167 (BZ)	**0.071**		**0.010**	**0.0013**	**ng/g**
PCB 168 (BZ)	**2.3**	**B C153**	**0.010**	**0.0021**	**ng/g**
PCB 169 (BZ)	**0.0019**	**Q J**	**0.010**	**0.0018**	**ng/g**
PCB 170 (BZ)	**0.21**		**0.010**	**0.0020**	**ng/g**
PCB 171 (BZ)	**0.081**	**C**	**0.010**	**0.0018**	**ng/g**
PCB 172 (BZ)	**0.040**		**0.010**	**0.0018**	**ng/g**
PCB 173 (BZ)	**0.081**	**C171**	**0.010**	**0.0018**	**ng/g**
PCB 174 (BZ)	**0.032**		**0.010**	**0.0016**	**ng/g**
PCB 175 (BZ)	**0.0075**	**Q J**	**0.010**	**0.0017**	**ng/g**
PCB 176 (BZ)	**0.0037**	**Q J**	**0.010**	**0.0012**	**ng/g**
PCB 177 (BZ)	**0.076**		**0.010**	**0.0017**	**ng/g**
PCB 178 (BZ)	**0.072**		**0.010**	**0.0017**	**ng/g**
PCB 179 (BZ)	**0.047**	**B**	**0.010**	**0.0013**	**ng/g**
PCB 180 (BZ)	**0.48**	**C**	**0.010**	**0.0013**	**ng/g**

Washington Closure Hanford

Sample ID: J15J88

Trace Level Organic Compounds

Lot - Sample #....:	H71280209 - 006	**Work Order #....:**	J7V911AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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)	**0.0039**	**Q J**	**0.010**	**0.0016**	**ng/g**
PCB 182 (BZ)	**0.0035**	**Q J**	**0.010**	**0.0016**	**ng/g**
PCB 183 (BZ)	**0.16**	**B**	**0.010**	**0.0016**	**ng/g**
PCB 184 (BZ)	ND		0.010	0.0013	ng/g
PCB 185 (BZ)	**0.016**	**Q**	**0.010**	**0.0017**	**ng/g**
PCB 186 (BZ)	ND		0.010	0.0013	ng/g
PCB 187 (BZ)	**0.46**		**0.010**	**0.0015**	**ng/g**
PCB 188 (BZ)	ND		0.010	0.0011	ng/g
PCB 189 (BZ)	**0.0076**	**J**	**0.010**	**0.0014**	**ng/g**
PCB 190 (BZ)	**0.067**		**0.010**	**0.0012**	**ng/g**
PCB 191 (BZ)	**0.011**	**Q**	**0.010**	**0.0012**	**ng/g**
PCB 192 (BZ)	ND		0.010	0.0013	ng/g
PCB 193 (BZ)	**0.48**	**C180**	**0.010**	**0.0013**	**ng/g**
PCB 194 (BZ)	**0.083**		**0.010**	**0.0014**	**ng/g**
PCB 195 (BZ)	**0.035**		**0.010**	**0.0015**	**ng/g**
PCB 196 (BZ)	**0.031**		**0.010**	**0.0012**	**ng/g**
PCB 197 (BZ)	**0.0025**	**Q J**	**0.010**	**0.00088**	**ng/g**
PCB 198 (BZ)	**0.090**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.090**	**C198**	**0.010**	**0.0012**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00090	ng/g
PCB 200 (BZ)/201 (IUPAC)	**0.0085**	**J**	**0.010**	**0.00085**	**ng/g**
PCB 202 (BZ)	**0.030**	**Q**	**0.010**	**0.00094**	**ng/g**
PCB 203 (BZ)	**0.089**		**0.010**	**0.0011**	**ng/g**
PCB 204 (BZ)	ND		0.010	0.00090	ng/g
PCB 205 (BZ)	**0.0037**	**Q J**	**0.010**	**0.0011**	**ng/g**
PCB 206 (BZ)	**0.039**		**0.010**	**0.00085**	**ng/g**
PCB 207 (BZ)	**0.0034**	**J**	**0.010**	**0.00063**	**ng/g**
PCB 208 (BZ)	**0.0079**	**Q J**	**0.010**	**0.00067**	**ng/g**
PCB 209 (BZ)	**0.0072**	**Q J**	**0.010**	**0.0011**	**ng/g**

Washington Closure Hanford

Sample ID: J15J88

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 006	**Work Order #....:**	J7V911AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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	24	*	30 - 140
13C12-PCB 3	6.0	*	30 - 140
13C12-PCB 4	70		30 - 140
13C12-PCB 15	74		30 - 140
13C12-PCB 19	81		30 - 140
13C12-PCB 37	80		30 - 140
13C12-PCB 54	76		30 - 140
13C12-PCB 77	81		30 - 140
13C12-PCB 81	82		30 - 140
13C12-PCB 104	83		30 - 140
13C12-PCB 105	83		30 - 140
13C12-PCB 114	83		30 - 140
13C12-PCB 118	87		30 - 140
13C12-PCB 123	85		30 - 140
13C12-PCB 126	79		30 - 140
13C12-PCB 155	90		30 - 140
13C12-PCB 156	83	C	30 - 140
13C12-PCB 157	83	C	30 - 140
13C12-PCB 167	83		30 - 140
13C12-PCB 169	59		30 - 140
13C12-PCB 170	89		30 - 140
13C12-PCB 188	96		30 - 140
13C12-PCB 189	72		30 - 140
13C12-PCB 202	102		30 - 140
13C12-PCB 205	83		30 - 140
13C12-PCB 206	88		30 - 140
13C12-PCB 208	87		30 - 140
13C12-PCB 209	81		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	81	40 - 125
13C12-PCB 111	90	40 - 125
13C12-PCB 178	91	40 - 125

Washington Closure Hanford

Sample ID: J15J88

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 006	**Work Order #....:**	J7V911AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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.

- * Surrogate 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.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

Washington Closure Hanford

Sample ID: J15J20

Trace Level Organic Compounds

Lot - Sample #....:	H71280209 - 007	**Work Order #....:**	J7V931AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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)	ND		0.010	0.0011	ng/g
PCB 2 (BZ)	ND		0.010	0.0020	ng/g
PCB 3 (BZ)	ND		0.010	0.0089	ng/g
PCB 4 (BZ)	**0.0044**	**Q B J**	**0.020**	**0.0022**	**ng/g**
PCB 5 (BZ)	**0.00093**	**Q B J**	**0.010**	**0.0019**	**ng/g**
PCB 6 (BZ)	**0.0018**	**Q B J**	**0.010**	**0.0018**	**ng/g**
PCB 7 (BZ)	**0.0015**	**Q B J**	**0.010**	**0.0018**	**ng/g**
PCB 8 (BZ)	**0.0052**	**Q B J**	**0.020**	**0.0017**	**ng/g**
PCB 9 (BZ)	**0.0018**	**Q B J**	**0.010**	**0.0018**	**ng/g**
PCB 10 (BZ)	**0.0012**	**Q B J**	**0.010**	**0.0019**	**ng/g**
PCB 11 (BZ)	**0.0052**	**Q B J**	**0.020**	**0.0018**	**ng/g**
PCB 12 (BZ)	**0.0013**	**Q B C J**	**0.010**	**0.0018**	**ng/g**
PCB 13 (BZ)	**0.0013**	**Q B C12 J**	**0.010**	**0.0018**	**ng/g**
PCB 14 (BZ)	ND		0.010	0.0015	ng/g
PCB 15 (BZ)	**0.0031**	**Q B J**	**0.010**	**0.0020**	**ng/g**
PCB 16 (BZ)	ND		0.010	0.0013	ng/g
PCB 17 (BZ)	**0.0095**	**Q B J**	**0.010**	**0.0011**	**ng/g**
PCB 18 (BZ)	**0.022**	**B**	**0.020**	**0.0011**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.0012	ng/g
PCB 20 (BZ)	**0.091**	**B C**	**0.020**	**0.00085**	**ng/g**
PCB 21 (BZ)	**0.0098**	**B C J**	**0.010**	**0.00082**	**ng/g**
PCB 22 (BZ)	**0.0098**	**Q B J**	**0.010**	**0.00086**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00087	ng/g
PCB 24 (BZ)	ND		0.010	0.00081	ng/g
PCB 25 (BZ)	**0.0028**	**B J**	**0.010**	**0.00077**	**ng/g**
PCB 26 (BZ)	**0.0088**	**Q B C J**	**0.010**	**0.00083**	**ng/g**
PCB 27 (BZ)	ND		0.010	0.00074	ng/g
PCB 28 (BZ)	**0.091**	**B C20**	**0.020**	**0.00085**	**ng/g**
PCB 29 (BZ)	**0.0088**	**Q B C26 J**	**0.010**	**0.00083**	**ng/g**
PCB 30 (BZ)	ND		0.020	0.00077	ng/g
PCB 31 (BZ)	**0.044**	**B**	**0.020**	**0.00081**	**ng/g**
PCB 32 (BZ)	**0.0038**	**Q B J**	**0.010**	**0.00074**	**ng/g**
PCB 33 (BZ)	**0.0098**	**B C21 J**	**0.010**	**0.00082**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00086	ng/g
PCB 35 (BZ)	ND		0.010	0.00088	ng/g
PCB 36 (BZ)	ND		0.010	0.00081	ng/g

Washington Closure Hanford

Sample ID: J15J20

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 007	**Work Order #....:**	J7V931AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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	0.00086	ng/g
PCB 38 (BZ)	ND		0.010	0.00084	ng/g
PCB 39 (BZ)	ND		0.010	0.00079	ng/g
PCB 40 (BZ)	**0.011**	**B C**	**0.010**	**0.0012**	**ng/g**
PCB 41 (BZ)	**0.0040**	**J**	**0.010**	**0.0015**	**ng/g**
PCB 42 (BZ)	**0.012**	**Q**	**0.010**	**0.0013**	**ng/g**
PCB 43 (BZ)	**0.0030**	**Q B C J**	**0.010**	**0.0012**	**ng/g**
PCB 44 (BZ)	**0.11**	**B C**	**0.010**	**0.0011**	**ng/g**
PCB 45 (BZ)	**0.0032**	**Q B C J**	**0.010**	**0.0013**	**ng/g**
PCB 46 (BZ)	ND		0.010	0.0016	ng/g
PCB 47 (BZ)	**0.11**	**B C44**	**0.010**	**0.0011**	**ng/g**
PCB 48 (BZ)	**0.012**		**0.010**	**0.0012**	**ng/g**
PCB 49 (BZ)	**0.11**	**B**	**0.010**	**0.0011**	**ng/g**
PCB 50 (BZ)	ND		0.010	0.0012	ng/g
PCB 51 (BZ)	**0.0032**	**Q B C45 J**	**0.010**	**0.0013**	**ng/g**
PCB 52 (BZ)	**0.19**	**B**	**0.010**	**0.0012**	**ng/g**
PCB 53 (BZ)	ND		0.010	0.0012	ng/g
PCB 54 (BZ)	ND		0.010	0.0011	ng/g
PCB 55 (BZ)	**0.0054**	**Q J**	**0.010**	**0.00095**	**ng/g**
PCB 56 (BZ)	**0.011**		**0.010**	**0.00090**	**ng/g**
PCB 57 (BZ)	ND		0.010	0.00092	ng/g
PCB 58 (BZ)	**0.0030**	**J**	**0.010**	**0.00087**	**ng/g**
PCB 59 (BZ)	**0.0099**	**Q B C J**	**0.010**	**0.00085**	**ng/g**
PCB 60 (BZ)	**0.078**		**0.010**	**0.00093**	**ng/g**
PCB 61 (BZ)	ND		0.020	0.00093	ng/g
PCB 62 (BZ)	**0.0099**	**Q B C59 J**	**0.010**	**0.00085**	**ng/g**
PCB 63 (BZ)	**0.017**		**0.010**	**0.00082**	**ng/g**
PCB 64 (BZ)	**0.043**	**B**	**0.010**	**0.00084**	**ng/g**
PCB 65 (BZ)	**0.11**	**B C44**	**0.010**	**0.0011**	**ng/g**
PCB 66 (BZ)	**0.34**	**B**	**0.010**	**0.00085**	**ng/g**
PCB 67 (BZ)	ND		0.010	0.00086	ng/g
PCB 68 (BZ)	**0.0030**	**B J**	**0.010**	**0.00083**	**ng/g**
PCB 69 (BZ)	ND		0.010	0.00093	ng/g
PCB 70 (BZ)	**0.46**	**B C**	**0.020**	**0.00084**	**ng/g**
PCB 71 (BZ)	**0.011**	**B C40**	**0.010**	**0.0012**	**ng/g**
PCB 72 (BZ)	**0.0034**	**Q J**	**0.010**	**0.00088**	**ng/g**

Washington Closure Hanford

Sample ID: J15J20

Trace Level Organic Compounds

Lot - Sample #....:	H71280209 - 007	**Work Order #....:**	J7V931AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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)	**0.0030**	**Q B C43 J**	**0.010**	**0.0012**	**ng/g**
PCB 74 (BZ)	**0.46**	**B C70**	**0.020**	**0.00084**	**ng/g**
PCB 75 (BZ)	**0.0099**	**Q B C59 J**	**0.010**	**0.00085**	**ng/g**
PCB 76 (BZ)	**0.46**	**B C70**	**0.020**	**0.00084**	**ng/g**
PCB 77 (BZ)	**0.010**		**0.010**	**0.00093**	**ng/g**
PCB 78 (BZ)	ND		0.010	0.00093	ng/g
PCB 79 (BZ)	**0.0014**	**Q J**	**0.010**	**0.00080**	**ng/g**
PCB 80 (BZ)	ND		0.010	0.00078	ng/g
PCB 81 (BZ)	ND		0.010	0.00083	ng/g
PCB 82 (BZ)	**0.0065**	**Q J**	**0.010**	**0.0019**	**ng/g**
PCB 83 (BZ)	**1.1**	**C**	**0.010**	**0.0015**	**ng/g**
PCB 84 (BZ)	**0.010**		**0.010**	**0.0017**	**ng/g**
PCB 85 (BZ)	**0.32**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 86 (BZ)	**0.20**	**Q C**	**0.010**	**0.0012**	**ng/g**
PCB 87 (BZ)	**0.20**	**Q C86**	**0.010**	**0.0012**	**ng/g**
PCB 88 (BZ)	ND		0.010	0.0016	ng/g
PCB 89 (BZ)	ND		0.010	0.0016	ng/g
PCB 90 (BZ)	**0.48**	**B C**	**0.010**	**0.0012**	**ng/g**
PCB 91 (BZ)	**0.012**	**Q**	**0.010**	**0.0014**	**ng/g**
PCB 92 (BZ)	**0.14**		**0.010**	**0.0015**	**ng/g**
PCB 93 (BZ)	ND		0.010	0.0017	ng/g
PCB 94 (BZ)	ND		0.010	0.0017	ng/g
PCB 95 (BZ)	**0.11**	**B C**	**0.010**	**0.0014**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.0012	ng/g
PCB 97 (BZ)	**0.20**	**Q C86**	**0.010**	**0.0012**	**ng/g**
PCB 98 (BZ)	ND		0.010	0.0014	ng/g
PCB 99 (BZ)	**1.1**	**C83**	**0.010**	**0.0015**	**ng/g**
PCB 100 (BZ)	**0.11**	**B C95**	**0.010**	**0.0014**	**ng/g**
PCB 101 (BZ)	**0.48**	**B C90**	**0.010**	**0.0012**	**ng/g**
PCB 102 (BZ)	ND		0.010	0.0014	ng/g
PCB 103 (BZ)	ND		0.010	0.0014	ng/g
PCB 104 (BZ)	ND		0.010	0.0010	ng/g
PCB 105 (BZ)	**0.57**		**0.010**	**0.00096**	**ng/g**
PCB 106 (BZ)	ND		0.010	0.0011	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.12**		**0.010**	**0.0011**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.020**	**C**	**0.010**	**0.0010**	**ng/g**

Washington Closure Hanford

Sample ID: J15J20

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 007	**Work Order #....:**	J7V931AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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)	0.20	Q C86	0.010	0.0012	ng/g
PCB 110 (BZ)	0.32	B C	0.010	0.0010	ng/g
PCB 111 (BZ)	0.0021	J	0.010	0.0010	ng/g
PCB 112 (BZ)	0.0026	Q J	0.010	0.0011	ng/g
PCB 113 (BZ)	0.48	B C90	0.010	0.0012	ng/g
PCB 114 (BZ)	0.048		0.010	0.0010	ng/g
PCB 115 (BZ)	0.32	B C110	0.010	0.0010	ng/g
PCB 116 (BZ)	0.32	C85	0.010	0.0012	ng/g
PCB 117 (BZ)	0.32	C85	0.010	0.0012	ng/g
PCB 118 (BZ)	1.7	B	0.010	0.00099	ng/g
PCB 119 (BZ)	0.20	Q C86	0.010	0.0012	ng/g
PCB 120 (BZ)	0.0062	Q J	0.010	0.00098	ng/g
PCB 121 (BZ)	ND		0.010	0.0011	ng/g
PCB 122 (BZ)	ND		0.010	0.0011	ng/g
PCB 123 (BZ)	0.019	Q	0.010	0.0010	ng/g
PCB 124 (BZ)	0.020	C108	0.010	0.0010	ng/g
PCB 125 (BZ)	0.20	Q C86	0.010	0.0012	ng/g
PCB 126 (BZ)	0.0066	Q J	0.010	0.0011	ng/g
PCB 127 (BZ)	0.0040	J	0.010	0.0010	ng/g
PCB 128 (BZ)	0.47		0.010	0.0027	ng/g
PCB 129 (BZ)	2.8	B C	0.010	0.0022	ng/g
PCB 130 (BZ)	0.048		0.010	0.0029	ng/g
PCB 131 (BZ)	ND		0.010	0.0029	ng/g
PCB 132 (BZ)	0.021	Q B	0.010	0.0029	ng/g
PCB 133 (BZ)	0.039		0.010	0.0027	ng/g
PCB 134 (BZ)	0.0057	C J	0.010	0.0029	ng/g
PCB 135 (BZ)	0.16	B C	0.010	0.0019	ng/g
PCB 136 (BZ)	0.018	B	0.010	0.0015	ng/g
PCB 137 (BZ)	0.13		0.010	0.0025	ng/g
PCB 138 (BZ)	2.8	B C129	0.010	0.0022	ng/g
PCB 139 (BZ)	0.040	C	0.010	0.0024	ng/g
PCB 140 (BZ)	0.040	C139	0.010	0.0024	ng/g
PCB 141 (BZ)	0.19		0.010	0.0027	ng/g
PCB 142 (BZ)	ND		0.010	0.0028	ng/g
PCB 143 (BZ)	0.0057	C134 J	0.010	0.0029	ng/g
PCB 144 (BZ)	0.0087	Q J	0.010	0.0019	ng/g

Washington Closure Hanford

Sample ID: J15J20

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 007	**Work Order #....:**	J7V931AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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	0.0014	ng/g
PCB 146 (BZ)	**0.34**		**0.010**	**0.0024**	**ng/g**
PCB 147 (BZ)	**0.066**	**B C**	**0.010**	**0.0024**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.0019	ng/g
PCB 149 (BZ)	**0.066**	**B C147**	**0.010**	**0.0024**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.0014	ng/g
PCB 151 (BZ)	**0.16**	**B C135**	**0.010**	**0.0019**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0014	ng/g
PCB 153 (BZ)	**2.9**	**B C**	**0.010**	**0.0019**	**ng/g**
PCB 154 (BZ)	**0.16**	**B C135**	**0.010**	**0.0019**	**ng/g**
PCB 155 (BZ)	ND		0.010	0.0013	ng/g
PCB 156 (BZ)	**0.27**	**C**	**0.010**	**0.0023**	**ng/g**
PCB 157 (BZ)	**0.27**	**C156**	**0.010**	**0.0023**	**ng/g**
PCB 158 (BZ)	**0.25**		**0.010**	**0.0017**	**ng/g**
PCB 159 (BZ)	**0.0025**	**Q J**	**0.010**	**0.0019**	**ng/g**
PCB 160 (BZ)	**2.8**	**B C129**	**0.010**	**0.0022**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0019	ng/g
PCB 162 (BZ)	**0.014**		**0.010**	**0.0019**	**ng/g**
PCB 163 (BZ)	**2.8**	**B C129**	**0.010**	**0.0022**	**ng/g**
PCB 164 (BZ)	**0.034**		**0.010**	**0.0020**	**ng/g**
PCB 165 (BZ)	ND		0.010	0.0021	ng/g
PCB 166 (BZ)	**0.017**		**0.010**	**0.0019**	**ng/g**
PCB 167 (BZ)	**0.062**		**0.010**	**0.0012**	**ng/g**
PCB 168 (BZ)	**2.9**	**B C153**	**0.010**	**0.0019**	**ng/g**
PCB 169 (BZ)	ND		0.010	0.0016	ng/g
PCB 170 (BZ)	**0.36**		**0.010**	**0.0018**	**ng/g**
PCB 171 (BZ)	**0.11**	**C**	**0.010**	**0.0017**	**ng/g**
PCB 172 (BZ)	**0.060**		**0.010**	**0.0017**	**ng/g**
PCB 173 (BZ)	**0.11**	**C171**	**0.010**	**0.0017**	**ng/g**
PCB 174 (BZ)	**0.014**		**0.010**	**0.0015**	**ng/g**
PCB 175 (BZ)	**0.0057**	**J**	**0.010**	**0.0015**	**ng/g**
PCB 176 (BZ)	ND		0.010	0.0011	ng/g
PCB 177 (BZ)	**0.024**		**0.010**	**0.0016**	**ng/g**
PCB 178 (BZ)	**0.072**		**0.010**	**0.0016**	**ng/g**
PCB 179 (BZ)	**0.018**	**B**	**0.010**	**0.0012**	**ng/g**
PCB 180 (BZ)	**0.84**	**C**	**0.010**	**0.0012**	**ng/g**

Washington Closure Hanford

Sample ID: J15J20

Trace Level Organic Compounds

Lot - Sample #....:	H71280209 - 007	**Work Order #....:**	J7V931AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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)	**0.0053**	**J**	**0.010**	**0.0014**	**ng/g**
PCB 182 (BZ)	ND		0.010	0.0014	ng/g
PCB 183 (BZ)	**0.23**	**B**	**0.010**	**0.0015**	**ng/g**
PCB 184 (BZ)	ND		0.010	0.0012	ng/g
PCB 185 (BZ)	**0.011**		**0.010**	**0.0015**	**ng/g**
PCB 186 (BZ)	ND		0.010	0.0011	ng/g
PCB 187 (BZ)	**0.27**		**0.010**	**0.0014**	**ng/g**
PCB 188 (BZ)	ND		0.010	0.0010	ng/g
PCB 189 (BZ)	**0.011**	**Q**	**0.010**	**0.0011**	**ng/g**
PCB 190 (BZ)	**0.094**		**0.010**	**0.0011**	**ng/g**
PCB 191 (BZ)	**0.016**		**0.010**	**0.0011**	**ng/g**
PCB 192 (BZ)	ND		0.010	0.0012	ng/g
PCB 193 (BZ)	**0.84**	**C180**	**0.010**	**0.0012**	**ng/g**
PCB 194 (BZ)	**0.12**		**0.010**	**0.0013**	**ng/g**
PCB 195 (BZ)	**0.050**		**0.010**	**0.0014**	**ng/g**
PCB 196 (BZ)	**0.058**		**0.010**	**0.0013**	**ng/g**
PCB 197 (BZ)	**0.0054**	**Q J**	**0.010**	**0.00090**	**ng/g**
PCB 198 (BZ)	**0.089**	**C**	**0.010**	**0.0013**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.089**	**C198**	**0.010**	**0.0013**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00093	ng/g
PCB 200 (BZ)/201 (IUPAC)	**0.0074**	**J**	**0.010**	**0.00088**	**ng/g**
PCB 202 (BZ)	**0.038**		**0.010**	**0.00096**	**ng/g**
PCB 203 (BZ)	**0.13**		**0.010**	**0.0011**	**ng/g**
PCB 204 (BZ)	ND		0.010	0.00093	ng/g
PCB 205 (BZ)	**0.0078**	**Q J**	**0.010**	**0.0010**	**ng/g**
PCB 206 (BZ)	**0.054**		**0.010**	**0.0013**	**ng/g**
PCB 207 (BZ)	**0.0050**	**Q J**	**0.010**	**0.00089**	**ng/g**
PCB 208 (BZ)	**0.0092**	**J**	**0.010**	**0.00092**	**ng/g**
PCB 209 (BZ)	**0.010**	**Q**	**0.010**	**0.0010**	**ng/g**

Washington Closure Hanford

Sample ID: J15J20

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 007	**Work Order #....:**	J7V931AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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	22	*	30 - 140
13C12-PCB 3	3.7	*	30 - 140
13C12-PCB 4	77		30 - 140
13C12-PCB 15	76		30 - 140
13C12-PCB 19	83		30 - 140
13C12-PCB 37	81		30 - 140
13C12-PCB 54	84		30 - 140
13C12-PCB 77	81		30 - 140
13C12-PCB 81	81		30 - 140
13C12-PCB 104	87		30 - 140
13C12-PCB 105	86		30 - 140
13C12-PCB 114	88		30 - 140
13C12-PCB 118	90		30 - 140
13C12-PCB 123	86		30 - 140
13C12-PCB 126	84		30 - 140
13C12-PCB 155	96		30 - 140
13C12-PCB 156	89	C	30 - 140
13C12-PCB 157	89	C	30 - 140
13C12-PCB 167	89		30 - 140
13C12-PCB 169	68		30 - 140
13C12-PCB 170	90		30 - 140
13C12-PCB 188	94		30 - 140
13C12-PCB 189	85		30 - 140
13C12-PCB 202	102		30 - 140
13C12-PCB 205	91		30 - 140
13C12-PCB 206	95		30 - 140
13C12-PCB 208	89		30 - 140
13C12-PCB 209	109		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	86	40 - 125
13C12-PCB 111	93	40 - 125
13C12-PCB 178	86	40 - 125

Washington Closure Hanford

Sample ID: J15J20

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 007	**Work Order #....:**	J7V931AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/15/07		
Prep Batch # ....:	7278087				
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.

- * Surrogate 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.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....:	H7J050000 - 087B	**Work Order #....:**	J8ALA1AA	**Matrix....:**	BIOLOGICAL
Dilution Factor:	1				
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0072	J	0.010	0.00018	ng/g
PCB 2 (BZ)	0.0049	J	0.010	0.00020	ng/g
PCB 3 (BZ)	0.0033	Q J	0.010	0.00021	ng/g
PCB 4 (BZ)	0.0066	Q J	0.020	0.0013	ng/g
PCB 5 (BZ)	0.0036	Q J	0.010	0.0011	ng/g
PCB 6 (BZ)	0.0040	Q J	0.010	0.0011	ng/g
PCB 7 (BZ)	0.0040	Q J	0.010	0.0011	ng/g
PCB 8 (BZ)	0.0067	Q J	0.020	0.0010	ng/g
PCB 9 (BZ)	0.0048	Q J	0.010	0.0011	ng/g
PCB 10 (BZ)	0.0045	Q J	0.010	0.0012	ng/g
PCB 11 (BZ)	0.0077	Q J	0.020	0.0011	ng/g
PCB 12 (BZ)	0.0047	Q C J	0.010	0.0011	ng/g
PCB 13 (BZ)	0.0047	Q C12 J	0.010	0.0011	ng/g
PCB 14 (BZ)	0.0034	Q J	0.010	0.00091	ng/g
PCB 15 (BZ)	0.0021	Q J	0.010	0.0012	ng/g
PCB 16 (BZ)	0.0031	J	0.010	0.00079	ng/g
PCB 17 (BZ)	0.0037	J	0.010	0.00069	ng/g
PCB 18 (BZ)	0.0060	Q J	0.020	0.00072	ng/g
PCB 19 (BZ)	0.0026	Q J	0.010	0.00078	ng/g
PCB 20 (BZ)	0.0058	C J	0.020	0.00041	ng/g
PCB 21 (BZ)	0.0048	C J	0.010	0.00040	ng/g
PCB 22 (BZ)	0.0018	J	0.010	0.00042	ng/g
PCB 23 (BZ)	0.0012	Q J	0.010	0.00042	ng/g
PCB 24 (BZ)	ND		0.010	0.00051	ng/g
PCB 25 (BZ)	0.0013	Q J	0.010	0.00038	ng/g
PCB 26 (BZ)	0.0039	C J	0.010	0.00040	ng/g
PCB 27 (BZ)	0.0024	J	0.010	0.00047	ng/g
PCB 28 (BZ)	0.0058	C20 J	0.020	0.00041	ng/g
PCB 29 (BZ)	0.0039	C26 J	0.010	0.00040	ng/g
PCB 30 (BZ)	0.0027	J	0.020	0.00049	ng/g
PCB 31 (BZ)	0.0043	J	0.020	0.00040	ng/g
PCB 32 (BZ)	0.0023	Q J	0.010	0.00046	ng/g
PCB 33 (BZ)	0.0048	C21 J	0.010	0.00040	ng/g
PCB 34 (BZ)	0.0018	J	0.010	0.00042	ng/g
PCB 35 (BZ)	ND		0.010	0.00043	ng/g
PCB 36 (BZ)	0.00085	Q J	0.010	0.00040	ng/g

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....:	H7J050000 - 087B	**Work Order #....:**	J8ALA1AA	**Matrix....:**	BIOLOGICAL
Dilution Factor:	1				
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.0015**	**J**	**0.010**	**0.00042**	**ng/g**
PCB 38 (BZ)	ND		0.010	0.00041	ng/g
PCB 39 (BZ)	**0.00090**	**Q J**	**0.010**	**0.00038**	**ng/g**
PCB 40 (BZ)	**0.0034**	**C J**	**0.010**	**0.00061**	**ng/g**
PCB 41 (BZ)	ND		0.010	0.00080	ng/g
PCB 42 (BZ)	ND		0.010	0.00068	ng/g
PCB 43 (BZ)	**0.0019**	**Q C J**	**0.010**	**0.00061**	**ng/g**
PCB 44 (BZ)	**0.0061**	**Q C J**	**0.010**	**0.00057**	**ng/g**
PCB 45 (BZ)	**0.0025**	**Q C J**	**0.010**	**0.00068**	**ng/g**
PCB 46 (BZ)	ND		0.010	0.00082	ng/g
PCB 47 (BZ)	**0.0061**	**Q C44 J**	**0.010**	**0.00057**	**ng/g**
PCB 48 (BZ)	ND		0.010	0.00066	ng/g
PCB 49 (BZ)	**0.0029**	**J**	**0.010**	**0.00058**	**ng/g**
PCB 50 (BZ)	**0.0039**	**Q C J**	**0.010**	**0.00063**	**ng/g**
PCB 51 (BZ)	**0.0025**	**Q C45 J**	**0.010**	**0.00068**	**ng/g**
PCB 52 (BZ)	**0.0031**	**J**	**0.010**	**0.00063**	**ng/g**
PCB 53 (BZ)	**0.0039**	**Q C50 J**	**0.010**	**0.00063**	**ng/g**
PCB 54 (BZ)	**0.0018**	**Q J**	**0.010**	**0.00070**	**ng/g**
PCB 55 (BZ)	ND		0.010	0.00050	ng/g
PCB 56 (BZ)	ND		0.010	0.00047	ng/g
PCB 57 (BZ)	ND		0.010	0.00049	ng/g
PCB 58 (BZ)	ND		0.010	0.00046	ng/g
PCB 59 (BZ)	**0.0035**	**Q C J**	**0.010**	**0.00045**	**ng/g**
PCB 60 (BZ)	ND		0.010	0.00049	ng/g
PCB 61 (BZ)	ND		0.020	0.00049	ng/g
PCB 62 (BZ)	**0.0035**	**Q C59 J**	**0.010**	**0.00045**	**ng/g**
PCB 63 (BZ)	ND		0.010	0.00043	ng/g
PCB 64 (BZ)	**0.0016**	**J**	**0.010**	**0.00044**	**ng/g**
PCB 65 (BZ)	**0.0061**	**Q C44 J**	**0.010**	**0.00057**	**ng/g**
PCB 66 (BZ)	**0.0013**	**Q J**	**0.010**	**0.00045**	**ng/g**
PCB 67 (BZ)	ND		0.010	0.00045	ng/g
PCB 68 (BZ)	**0.00074**	**Q J**	**0.010**	**0.00044**	**ng/g**
PCB 69 (BZ)	**0.00059**	**Q J**	**0.010**	**0.00049**	**ng/g**
PCB 70 (BZ)	**0.0042**	**C J**	**0.020**	**0.00044**	**ng/g**
PCB 71 (BZ)	**0.0034**	**C40 J**	**0.010**	**0.00061**	**ng/g**
PCB 72 (BZ)	ND		0.010	0.00046	ng/g

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....: H7J050000 - 087B **Work Order #....:** J8ALA1AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 10/05/07 **Analysis Date....:** 10/12/07
Prep Batch # ....: 7278087
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)	**0.0019**	**Q C43 J**	**0.010**	**0.00061**	**ng/g**
PCB 74 (BZ)	**0.0042**	**C70 J**	**0.020**	**0.00044**	**ng/g**
PCB 75 (BZ)	**0.0035**	**Q C59 J**	**0.010**	**0.00045**	**ng/g**
PCB 76 (BZ)	**0.0042**	**C70 J**	**0.020**	**0.00044**	**ng/g**
PCB 77 (BZ)	ND		0.010	0.00048	ng/g
PCB 78 (BZ)	ND		0.010	0.00049	ng/g
PCB 79 (BZ)	ND		0.010	0.00042	ng/g
PCB 80 (BZ)	ND		0.010	0.00041	ng/g
PCB 81 (BZ)	ND		0.010	0.00044	ng/g
PCB 82 (BZ)	ND		0.010	0.00082	ng/g
PCB 83 (BZ)	ND		0.010	0.00064	ng/g
PCB 84 (BZ)	ND		0.010	0.00073	ng/g
PCB 85 (BZ)	ND		0.010	0.00051	ng/g
PCB 86 (BZ)	ND		0.010	0.00051	ng/g
PCB 87 (BZ)	ND		0.010	0.00051	ng/g
PCB 88 (BZ)	ND		0.010	0.00069	ng/g
PCB 89 (BZ)	ND		0.010	0.00069	ng/g
PCB 90 (BZ)	**0.0030**	**Q C J**	**0.010**	**0.00050**	**ng/g**
PCB 91 (BZ)	ND		0.010	0.00058	ng/g
PCB 92 (BZ)	ND		0.010	0.00064	ng/g
PCB 93 (BZ)	ND		0.010	0.00071	ng/g
PCB 94 (BZ)	ND		0.010	0.00071	ng/g
PCB 95 (BZ)	**0.0024**	**C J**	**0.010**	**0.00058**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.00049	ng/g
PCB 97 (BZ)	ND		0.010	0.00051	ng/g
PCB 98 (BZ)	ND		0.010	0.00061	ng/g
PCB 99 (BZ)	ND		0.010	0.00064	ng/g
PCB 100 (BZ)	**0.0024**	**C95 J**	**0.010**	**0.00058**	**ng/g**
PCB 101 (BZ)	**0.0030**	**Q C90 J**	**0.010**	**0.00050**	**ng/g**
PCB 102 (BZ)	ND		0.010	0.00061	ng/g
PCB 103 (BZ)	ND		0.010	0.00057	ng/g
PCB 104 (BZ)	**0.0011**	**Q J**	**0.010**	**0.00043**	**ng/g**
PCB 105 (BZ)	ND		0.010	0.00035	ng/g
PCB 106 (BZ)	ND		0.010	0.00040	ng/g
PCB 107 (BZ)/109 (IUPAC)	ND		0.010	0.00039	ng/g
PCB 108 (BZ)/107 (IUPAC)	ND		0.010	0.00037	ng/g

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....: H7J050000 - 087B **Work Order #....:** J8ALA1AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 10/05/07 **Analysis Date....:** 10/12/07
Prep Batch # ....: 7278087
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)	ND		0.010	0.00051	ng/g
PCB 110 (BZ)	**0.0019**	**C J**	**0.010**	**0.00044**	**ng/g**
PCB 111 (BZ)	ND		0.010	0.00044	ng/g
PCB 112 (BZ)	ND		0.010	0.00046	ng/g
PCB 113 (BZ)	**0.0030**	**Q C90 J**	**0.010**	**0.00050**	**ng/g**
PCB 114 (BZ)	ND		0.010	0.00034	ng/g
PCB 115 (BZ)	**0.0019**	**C110 J**	**0.010**	**0.00044**	**ng/g**
PCB 116 (BZ)	ND		0.010	0.00051	ng/g
PCB 117 (BZ)	ND		0.010	0.00051	ng/g
PCB 118 (BZ)	**0.0011**	**Q J**	**0.010**	**0.00034**	**ng/g**
PCB 119 (BZ)	ND		0.010	0.00051	ng/g
PCB 120 (BZ)	ND		0.010	0.00042	ng/g
PCB 121 (BZ)	**0.00077**	**J**	**0.010**	**0.00045**	**ng/g**
PCB 122 (BZ)	ND		0.010	0.00040	ng/g
PCB 123 (BZ)	ND		0.010	0.00037	ng/g
PCB 124 (BZ)	ND		0.010	0.00037	ng/g
PCB 125 (BZ)	ND		0.010	0.00051	ng/g
PCB 126 (BZ)	ND		0.010	0.00041	ng/g
PCB 127 (BZ)	ND		0.010	0.00037	ng/g
PCB 128 (BZ)	ND		0.010	0.00080	ng/g
PCB 129 (BZ)	**0.0015**	**Q C J**	**0.010**	**0.00067**	**ng/g**
PCB 130 (BZ)	ND		0.010	0.00087	ng/g
PCB 131 (BZ)	ND		0.010	0.00086	ng/g
PCB 132 (BZ)	**0.00087**	**Q J**	**0.010**	**0.00086**	**ng/g**
PCB 133 (BZ)	ND		0.010	0.00080	ng/g
PCB 134 (BZ)	ND		0.010	0.00086	ng/g
PCB 135 (BZ)	**0.0018**	**Q C J**	**0.010**	**0.00063**	**ng/g**
PCB 136 (BZ)	**0.00056**	**J**	**0.010**	**0.00051**	**ng/g**
PCB 137 (BZ)	ND		0.010	0.00073	ng/g
PCB 138 (BZ)	**0.0015**	**Q C129 J**	**0.010**	**0.00067**	**ng/g**
PCB 139 (BZ)	ND		0.010	0.00072	ng/g
PCB 140 (BZ)	ND		0.010	0.00072	ng/g
PCB 141 (BZ)	ND		0.010	0.00081	ng/g
PCB 142 (BZ)	ND		0.010	0.00083	ng/g
PCB 143 (BZ)	ND		0.010	0.00086	ng/g
PCB 144 (BZ)	ND		0.010	0.00065	ng/g

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....: H7J050000 - 087B **Work Order #....:** J8ALA1AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 10/05/07 **Analysis Date....:** 10/12/07
Prep Batch # ....: 7278087
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	0.00048	ng/g
PCB 146 (BZ)	ND		0.010	0.00070	ng/g
PCB 147 (BZ)	**0.0024**	**C J**	**0.010**	**0.00071**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.00066	ng/g
PCB 149 (BZ)	**0.0024**	**C147 J**	**0.010**	**0.00071**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.00048	ng/g
PCB 151 (BZ)	**0.0018**	**Q C135 J**	**0.010**	**0.00063**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.00048	ng/g
PCB 153 (BZ)	**0.0017**	**Q C J**	**0.010**	**0.00057**	**ng/g**
PCB 154 (BZ)	**0.0018**	**Q C135 J**	**0.010**	**0.00063**	**ng/g**
PCB 155 (BZ)	ND		0.010	0.00044	ng/g
PCB 156 (BZ)	ND		0.010	0.00071	ng/g
PCB 157 (BZ)	ND		0.010	0.00071	ng/g
PCB 158 (BZ)	ND		0.010	0.00052	ng/g
PCB 159 (BZ)	ND		0.010	0.00057	ng/g
PCB 160 (BZ)	**0.0015**	**Q C129 J**	**0.010**	**0.00067**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.00056	ng/g
PCB 162 (BZ)	ND		0.010	0.00057	ng/g
PCB 163 (BZ)	**0.0015**	**Q C129 J**	**0.010**	**0.00067**	**ng/g**
PCB 164 (BZ)	ND		0.010	0.00059	ng/g
PCB 165 (BZ)	ND		0.010	0.00062	ng/g
PCB 166 (BZ)	ND		0.010	0.00056	ng/g
PCB 167 (BZ)	ND		0.010	0.00037	ng/g
PCB 168 (BZ)	**0.0017**	**Q C153 J**	**0.010**	**0.00057**	**ng/g**
PCB 169 (BZ)	ND		0.010	0.00044	ng/g
PCB 170 (BZ)	ND		0.010	0.00053	ng/g
PCB 171 (BZ)	ND		0.010	0.00049	ng/g
PCB 172 (BZ)	ND		0.010	0.00049	ng/g
PCB 173 (BZ)	ND		0.010	0.00049	ng/g
PCB 174 (BZ)	ND		0.010	0.00044	ng/g
PCB 175 (BZ)	ND		0.010	0.00044	ng/g
PCB 176 (BZ)	ND		0.010	0.00032	ng/g
PCB 177 (BZ)	ND		0.010	0.00046	ng/g
PCB 178 (BZ)	ND		0.010	0.00046	ng/g
PCB 179 (BZ)	**0.0011**	**Q J**	**0.010**	**0.00034**	**ng/g**
PCB 180 (BZ)	ND		0.010	0.00036	ng/g

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....: H7J050000 - 087B **Work Order #....:** J8ALA1AA **Matrix....:** BIOLOGICAL
Dilution Factor: 1
Prep Date....: 10/05/07 **Analysis Date....:** 10/12/07
Prep Batch # ....: 7278087
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	0.00042	ng/g
PCB 182 (BZ)	ND		0.010	0.00042	ng/g
PCB 183 (BZ)	**0.00059**	**Q J**	**0.010**	**0.00043**	**ng/g**
PCB 184 (BZ)	ND		0.010	0.00035	ng/g
PCB 185 (BZ)	ND		0.010	0.00044	ng/g
PCB 186 (BZ)	ND		0.010	0.00033	ng/g
PCB 187 (BZ)	ND		0.010	0.00040	ng/g
PCB 188 (BZ)	ND		0.010	0.00030	ng/g
PCB 189 (BZ)	ND		0.010	0.00029	ng/g
PCB 190 (BZ)	ND		0.010	0.00032	ng/g
PCB 191 (BZ)	ND		0.010	0.00033	ng/g
PCB 192 (BZ)	ND		0.010	0.00035	ng/g
PCB 193 (BZ)	ND		0.010	0.00036	ng/g
PCB 194 (BZ)	ND		0.010	0.00037	ng/g
PCB 195 (BZ)	ND		0.010	0.00041	ng/g
PCB 196 (BZ)	ND		0.010	0.00042	ng/g
PCB 197 (BZ)	ND		0.010	0.00030	ng/g
PCB 198 (BZ)	ND		0.010	0.00041	ng/g
PCB 201 (BZ)/199 (IUPAC)	ND		0.010	0.00041	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00030	ng/g
PCB 200 (BZ)/201 (IUPAC)	ND		0.010	0.00029	ng/g
PCB 202 (BZ)	ND		0.010	0.00032	ng/g
PCB 203 (BZ)	ND		0.010	0.00037	ng/g
PCB 204 (BZ)	ND		0.010	0.00030	ng/g
PCB 205 (BZ)	ND		0.010	0.00030	ng/g
PCB 206 (BZ)	ND		0.010	0.00040	ng/g
PCB 207 (BZ)	ND		0.010	0.00027	ng/g
PCB 208 (BZ)	ND		0.010	0.00028	ng/g
PCB 209 (BZ)	ND		0.010	0.00035	ng/g

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....:	H7J050000 - 087B	**Work Order #....:**	J8ALA1AA	**Matrix....:**	BIOLOGICAL
Dilution Factor:	1				
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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	65		30 - 140
13C12-PCB 3	66		30 - 140
13C12-PCB 4	74		30 - 140
13C12-PCB 15	73		30 - 140
13C12-PCB 19	81		30 - 140
13C12-PCB 37	80		30 - 140
13C12-PCB 54	74		30 - 140
13C12-PCB 77	83		30 - 140
13C12-PCB 81	82		30 - 140
13C12-PCB 104	87		30 - 140
13C12-PCB 105	91		30 - 140
13C12-PCB 114	90		30 - 140
13C12-PCB 118	95		30 - 140
13C12-PCB 123	91		30 - 140
13C12-PCB 126	86		30 - 140
13C12-PCB 155	91		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	73		30 - 140
13C12-PCB 170	95		30 - 140
13C12-PCB 188	97		30 - 140
13C12-PCB 189	96		30 - 140
13C12-PCB 202	101		30 - 140
13C12-PCB 205	93		30 - 140
13C12-PCB 206	98		30 - 140
13C12-PCB 208	104		30 - 140
13C12-PCB 209	105		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	84	40 - 125
13C12-PCB 111	94	40 - 125
13C12-PCB 178	90	40 - 125

Method Blank Report

Trace Level Organic Compounds

Lot - Sample #....:	H7J050000 - 087B	**Work Order #....:**	J8ALA1AA	**Matrix....:**	BIOLOGICAL
Dilution Factor:	1				
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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 # ...: J00140 **Work Order # ...:** J8ALA1AC-LCS **Matrix .....:** BIOLOGICA
LCS Lot-Sample# : H7J050000 - 087
Prep Date .....: 10/05/07 **Analysis Date ..:** 10/12/07
Prep Batch # ...: 7278087
Dilution Factor : 1
Analyst ID.....: Daniel (Dan) C. Gobich **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	86	B	(50 - 150)
PCB 3 (BZ)	0.50	0.40	ng/g	80	B	(50 - 150)
PCB 4 (BZ)	0.50	0.45	ng/g	90	B	(50 - 150)
PCB 15 (BZ)	0.50	0.45	ng/g	91	B	(50 - 150)
PCB 19 (BZ)	0.50	0.49	ng/g	98	B	(50 - 150)
PCB 37 (BZ)	0.50	0.43	ng/g	85	B	(50 - 150)
PCB 77 (BZ)	0.50	0.45	ng/g	89		(50 - 150)
PCB 81 (BZ)	0.50	0.45	ng/g	90		(50 - 150)
PCB 104 (BZ)	0.50	0.46	ng/g	93	B	(50 - 150)
PCB 105 (BZ)	0.50	0.44	ng/g	89		(50 - 150)
PCB 114 (BZ)	0.50	0.50	ng/g	100		(50 - 150)
PCB 118 (BZ)	0.50	0.46	ng/g	92	B	(50 - 150)
PCB 123 (BZ)	0.50	0.45	ng/g	91		(50 - 150)
PCB 126 (BZ)	0.50	0.45	ng/g	90		(50 - 150)
PCB 155 (BZ)	0.50	0.47	ng/g	94		(50 - 150)
PCB 156 (BZ)	1.0	0.90	ng/g	90	C	(50 - 150)
PCB 157 (BZ)	1.0	0.90	ng/g	90	C C156	(50 - 150)
PCB 167 (BZ)	0.50	0.46	ng/g	91		(50 - 150)
PCB 169 (BZ)	0.50	0.44	ng/g	87		(50 - 150)
PCB 188 (BZ)	0.50	0.45	ng/g	90		(50 - 150)
PCB 189 (BZ)	0.50	0.47	ng/g	95		(50 - 150)
PCB 202 (BZ)	0.50	0.46	ng/g	91		(50 - 150)
PCB 205 (BZ)	0.50	0.46	ng/g	91		(50 - 150)
PCB 206 (BZ)	0.50	0.44	ng/g	88		(50 - 150)
PCB 208 (BZ)	0.50	0.45	ng/g	90		(50 - 150)
PCB 209 (BZ)	0.50	0.48	ng/g	96		(50 - 150)

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 1	70	(30 - 140)
13C12-PCB 3	69	(30 - 140)
13C12-PCB 4	78	(30 - 140)
13C12-PCB 15	78	(30 - 140)
13C12-PCB 19	82	(30 - 140)
13C12-PCB 37	87	(30 - 140)
13C12-PCB 54	77	(30 - 140)
13C12-PCB 77	87	(30 - 140)
13C12-PCB 81	84	(30 - 140)
13C12-PCB 104	90	(30 - 140)
13C12-PCB 105	95	(30 - 140)
13C12-PCB 114	95	(30 - 140)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: J00140 **Work Order # ...:** J8ALA1AC-LCS **Matrix .....:** BIOLOGICA
LCS Lot-Sample# : H7J050000 - 087

INTERNAL STANDARD	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 118	100		(30 - 140)
13C12-PCB 123	96		(30 - 140)
13C12-PCB 126	90		(30 - 140)
13C12-PCB 155	94		(30 - 140)
13C12-PCB 156	96	C	(30 - 140)
13C12-PCB 157	96	C	(30 - 140)
13C12-PCB 167	96		(30 - 140)
13C12-PCB 169	78		(30 - 140)
13C12-PCB 170	98		(30 - 140)
13C12-PCB 188	100		(30 - 140)
13C12-PCB 189	99		(30 - 140)
13C12-PCB 202	101		(30 - 140)
13C12-PCB 205	96		(30 - 140)
13C12-PCB 206	99		(30 - 140)
13C12-PCB 208	107		(30 - 140)
13C12-PCB 209	110		(30 - 140)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	88	(40 - 125)
13C12-PCB 111	97	(40 - 125)
13C12-PCB 178	91	(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.

Sample Receipt Documentation

H7I280209 7

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-083-221	Page 1 of 1
Collector B.Tiller JAMES BERNHARD (JEB)	Company Contact JOAN KESSNER / Telephone No. 375-4688	Project Coordinator KESSNER, JH	Price Code 9C / Data Turnaround 15 Days
Project Designation RCBRA-Inter-Areas Shoreline Assessment - Tissues	Sampling Location RCBRA 3b Aq., FISH ~~offal~~ whole org 9-11-07 jm	SAF No. RC-083	
Ice Chest No. SML-495	Field Logbook No. EL-1614 / COA BESBEA6520	Method of Shipment FED EX	
Shipped To TestAmerica Incorporated, ~~Richland~~ Knoxville, TN 9-27-07	Offsite Property No. A070461	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	Cool-4C							
Type of Container				aG	aG							
No. of Container(s)				1	1							
Volume				20g	10g							
SAMPLE ANALYSIS				1668 PCB CONGENER (TCL)	Total Inorganic Arsenic JEB 9-27-07							
Sample No.	Matrix *	Sample Date	Sample Time									
J15J21	OTHER SOLID	9-20-07	1445	X	X							

CHAIN OF POSSESSION	Date/Time	Sign/Print Names: Received By/Stored In	Date/Time
Relinquished By/Removed From JAMES BERNHARD	1500 9-20-07	Received By/Stored In EAS LOCKED ~~STORAGE~~	1500 9-20-07
Relinquished By/Removed From EAS LOCKED ~~STORAGE~~	0900 9-27-07	Received By/Stored In KM Singleton 9-27-07	0900
Relinquished By/Removed From KM Singleton 9-27-07	1500	Received By/Stored In FEDEX	
Relinquished By/Removed From		Received By/Stored In [signature] 9-28-07	10:30
Relinquished By/Removed From		Received By/Stored In	
Relinquished By/Removed From		Received By/Stored In	

SPECIAL INSTRUCTIONS

CUSTODY SEALS INTACT
RECEIVED AT 1°C
BKD 9-28-07
1 COOLER FEDEX#
7917 7198 1714

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

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

WCH-EE-011

H7I 281209

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-097-15	Page 1 of 1

Collector B.TILLER JAMES BERNHARD (SEB)	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 RCBRA 100-B/C Aq, FISH ~~OFFAL~~ whole		SAF No. RC-097		
Ice Chest No. SML-495	Field Logbook No. EL-1614-1	COA BESRAS6520	Method of Shipment FEDEX		
Shipped To TestAmerica Incorporated, ~~Richland~~ Knoxville, TN 9-27-07	Offsite Property No. A070461		Bill of Lading/Air Bill No. 5L 05PC		

POSSIBLE SAMPLE HAZARDS/REMARKS

Special Handling and/or Storage

COOL 4C, "MATRIX COMPOSED OF FISH"

Preservation			Cool-4C	Cool-4C							
Type of Container			aG	P/G							
No. of Container(s)			1	1							
Volume			20mL	10mL							
SAMPLE ANALYSIS			1668 PCB CONGENER (TCL)	Total Inorganic Arsenic JEB 9-27-07							
Sample No.	Matrix *	Sample Date	Sample Time								
J15J92	OTHER SOLID	9-21-07	1315	X	X						

CHAIN OF POSSESSION	Date/Time	Sign/Print Names	Date/Time
Relinquished By/Removed From JAMES BERNHARD	1320 9-21-07	Received By/Stored In GAS LOCKED STORAGE	1320 9-21-07
Relinquished By/Removed From GAS LOCKED STORAGE	0900 9-27-07	Received By/Stored In KM Singleton	0900 9-27-07
Relinquished By/Removed From KM Singleton	1500 9-27-07	Received By/Stored In FEDEX	
Relinquished By/Removed From		Received By/Stored In [illegible]	9-28-07 10:30
Relinquished By/Removed From		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
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

H7I280209

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-097-14	Page 1 of 1

Collector B.TILLER JAMES BERNHARD (548)	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 RCBRA Ver Ref site 14 Aq, FISH ~~OFFAL~~ whole org		SAF No. RC-097
Ice Chest No. SML-495	Field Logbook No. EL-1614-1	COA BESRAS6520	Method of Shipment FED EX
Shipped To TestAmerica Incorporated, Richland Knoxville, TN 9-27-07	Offsite Property No. A070461		Bill of Lading/Air Bill No. See OSR

POSSIBLE SAMPLE HAZARDS/REMARKS

Special Handling and/or Storage

COOL 4C, "MATRIX COMPOSED OF FISH"

Preservation	Cool-4C	Cool-4C									
Type of Container	aG	P/G									
No. of Container(s)	1	1									
Volume	20mL 9-20-07	10mL 9-20-07									
SAMPLE ANALYSIS	1668 PCB CONGENER (TCL)	Total Inoganic Arsenic 10-12-07									
Sample No.	Matrix *	Sample Date	Sample Time								
J15J91	OTHER SOLID	9-20-07	1030	X	X						

CHAIN OF POSSESSION	Date/Time	Sign/Print Names	Date/Time
Relinquished By/Removed From JAMES BERNHARD	1035 9-20-07	Received By/Stored In HAS LOCKED STORAGE	1035 9-20-07
Relinquished By/Removed From HAS LOCKED STORAGE	0900 9-27-07	Received By/Stored In KMSingleton	WCH 9-27-07 0900
Relinquished By/Removed From KMSingleton	WCH 9-27-07 1500	Received By/Stored In FED EX	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In Bryan Thomas	9-28-07 10:30
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

Matrix *

S=Soil
SE=Sediment
SO=Solid
SL=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

H7I280209

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-097-13	Page 1 of 1

Collector: B.TILLER JAMES BERNHARD (SW)	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: RCBRA Cr 7 to Cr 10 Aq. FISH ~~OFFAL~~ whole org for 9.12.07		SAF No.: RC-097
Ice Chest No.: SML-495	Field Logbook No.: EL-1614-1	COA: BESRAS6520	Method of Shipment: FED EX
Shipped To: TestAmerica Incorporated, ~~Richland~~ Knoxville, TN 9-27-07	Offsite Property No.: A070461		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	Cool-4C									
Type of Container	aG	P/G									
No. of Container(s)	1	1									
Volume	20mL	10mL									
SAMPLE ANALYSIS	1668 PCB CONGENER (TCL)	Total Inorganic Arsenic 9-27-07									

Sample No.	Matrix *	Sample Date	Sample Time										
J15J90	OTHER SOLID	9.7.07	1500	X	X								

CHAIN OF POSSESSION	Date/Time	Sign/Print Names: Received By/Stored In	Date/Time
Relinquished By/Removed From: JAMES BERNHARD	1505 9-21-07	EAS LOCKED STORAGE	1505 9-21-07
Relinquished By/Removed From: EAS LOCKED STORAGE	0900 9-27-07	KMSingleton 9-27-07	0900
Relinquished By/Removed From: KMSingleton 9-27-07	WCH 1500	FED EX	
Relinquished By/Removed From		Received By/Stored In: [illegible] 9-28-07	10:30
Relinquished By/Removed From		Received By/Stored In	
Relinquished By/Removed From		Received By/Stored In	

SPECIAL INSTRUCTIONS

Matrix *

S=Soil
SE=Sediment
SO=Solid
SL=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

H7I280209

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-097-12	Page 1 of 1

Collector: B.TILLER JAMES BERNHARD (JRB)	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: RCBRA Cr 5 to Cr 6 Aq, FISH ~~OFFAL~~ whole org 9-12-07 JRB		SAF No.: RC-097
Ice Chest No.: SML-495	Field Logbook No.: EL-1614-1	COA: BESRAS6520	Method of Shipment: FEDEX
Shipped To: TestAmerica Incorporated, ~~Richland~~ Knoxville, TN 9-27-07	Offsite Property No.: A070461		Bill of Lading/Air Bill No.: SU OSPC

POSSIBLE SAMPLE HAZARDS/REMARKS

Special Handling and/or Storage

COOL 4C, "MATRIX COMPOSED OF FISH"

Preservation			Cool-4C	Cool-4C								
Type of Container			aG	P/G								
No. of Container(s)			1	1								
Volume			20mL	10mL								
SAMPLE ANALYSIS			1668 PCB CONGENER (TCL)	Total Inorganic Arsenic JRB 9-27-07								
Sample No.	Matrix *	Sample Date	Sample Time									
J15J89	OTHER SOLID	9-21-07	1410	X	X							

CHAIN OF POSSESSION	Date/Time	Sign/Print Names: Received By/Stored In	Date/Time
Relinquished By/Removed From: JAMES BERNHARD	1415 9-21-07	Received By/Stored In: EAS LOCKED STORAGE	1415 9-21-07
Relinquished By/Removed From: EAS LOCKED STORAGE	0900 9-27-07	Received By/Stored In: KMSingleton	0900 9-27-07
Relinquished By/Removed From: KMSingleton	WCH 9-27-07 1500	Received By/Stored In: FEDEX	
Relinquished By/Removed From		Received By/Stored In: [signature]	9-28-07 10:30
Relinquished By/Removed From		Received By/Stored In	
Relinquished By/Removed From		Received By/Stored In	

SPECIAL INSTRUCTIONS

Matrix *
S=Soil
SE=Sediment
SO=Solid
SL=Sludge
W = Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
Ta=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

95

H7I280209

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-097-11	Page 1 of 1

Collector B.TILLER JAMES BERNHARD (JSB)	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 RCBRA Cr 1 to Cr 2 Aq, FISH ~~OFFAL~~ whole org 9-12-07 jrz		SAF No. RC-097		
Ice Chest No. SMC-495	Field Logbook No. EL-1614-1	COA BESRAS6520	Method of Shipment FED EX		
Shipped To TestAmerica Incorporated, ~~Richland~~ Knoxville, TN 9-27-07	Offsite Property No. A070461		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	Cool-4C									
Type of Container	aG	P/G									
No. of Container(s)	1	1									
Volume	20mL	10mL									
SAMPLE ANALYSIS	1668 PCB CONGENER (TCL)	Total Inorganic Arsenic 9-27-07 JSB									

Sample No.	Matrix *	Sample Date	Sample Time										
J15J88	OTHER SOLID	9-21-07	~~1315~~ 1253 9-24-07	X	X								

CHAIN OF POSSESSION	Date/Time	Sign/Print Names	Date/Time
Relinquished By/Removed From JAMES BERNHARD	~~1300~~ 9-21-07	Received By/Stored In FAS LOCKED STORAGE	~~1300~~ 9-21-07
Relinquished By/Removed From FAS LOCKED STORAGE	0900 9-27-07	Received By/Stored In KM Singleton 9-27-07	0900
Relinquished By/Removed From KM Singleton 9-27-07	WCH 1500	Received By/Stored In FED EX	
Relinquished By/Removed From		Received By/Stored In Duncan Tomlinson	9-28-07 10:30
Relinquished By/Removed From		Received By/Stored In	
Relinquished By/Removed From		Received By/Stored In	

SPECIAL INSTRUCTIONS

Matrix *

S=Soil
SE=Sediment
SO=Solid
SL=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

96

H7I280209

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-083-220	Page 1 of 1

Collector B.Tiller JAMES BERNHARD (SAB)	Company Contact JOAN KESSNER	Telephone No. 375-4688	Project Coordinator KESSNER, JH
Price Code 9C	Data Turnaround 15 Days		
Project Designation RCBRA-Inter-Areas Shoreline Assessment - Tissues	Sampling Location RCBRA 2j Aq., FISH ~~offal~~ whole eg JRA 9-12-07		SAF No. RC-083
Ice Chest No. SML-495	Field Logbook No. EL-1614	COA BESBEA6520	Method of Shipment FED EX
Shipped To TestAmerica Incorporated, ~~Richland~~ Knoxville, TN 9-27-07	Offsite Property No. A070461		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	Cool-4C									
Type of Container	aG	aG									
No. of Container(s)	1	1									
Volume	20g	10g									
SAMPLE ANALYSIS	1668 PCB CONGENER (TCL)	Total Inorganic Arsenic JSB 9-27-07									
Sample No.	Matrix *	Sample Date	Sample Time								
J15J20	OTHER SOLID	9-21-07	1200	X	X						

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From JAMES BERNHARD 9-21-07	Date/Time 1205	Received By/Stored In EAS LOCKER STORAGE 9-21-07	Date/Time 1205
Relinquished By/Removed From EAS LOCKER STORAGE	Date/Time 0900 9-27-07	Received By/Stored In KM Singleton 9-27-07	Date/Time 0900
Relinquished By/Removed From KM Singleton 9-27-07	Date/Time 1500	Received By/Stored In FED EX	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In Dwyn Brannon 9-28-07	Date/Time 10:30
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

Matrix *

S=Soil
SE=Sediment
SO=Solid
Sl=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

97

STL KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: WASHINGTON CLOSURE HANFORD **Project:** _____ **Lot Number:** H7I280209

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 #: _____ PM Instructions: _____

Sample Receiving Associate: [signature] Date: 9-28-17

QA026R18.doc, 1/30/06

Trace Level Organics

Raw Sample Data
SPB-Octyl Column

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	Work Order #....:	J7V9M1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.0025**	**Q B J**	**0.010**	**0.00030**	**ng/g**
PCB 2 (BZ)	ND		0.010	0.00037	ng/g
PCB 3 (BZ)	ND		0.010	0.00042	ng/g
PCB 4 (BZ)	**0.0029**	**Q B J**	**0.020**	**0.0012**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.00092	ng/g
PCB 6 (BZ)	**0.0016**	**Q B J**	**0.010**	**0.00086**	**ng/g**
PCB 7 (BZ)	ND		0.010	0.00087	ng/g
PCB 8 (BZ)	**0.0062**	**Q B J**	**0.020**	**0.00084**	**ng/g**
PCB 9 (BZ)	ND		0.010	0.00086	ng/g
PCB 10 (BZ)	ND		0.010	0.00094	ng/g
PCB 11 (BZ)	**0.0040**	**Q B J**	**0.020**	**0.00086**	**ng/g**
PCB 12 (BZ)	ND		0.010	0.00085	ng/g
PCB 13 (BZ)	ND		0.010	0.00085	ng/g
PCB 14 (BZ)	ND		0.010	0.00074	ng/g
PCB 15 (BZ)	**0.0016**	**Q B J**	**0.010**	**0.00088**	**ng/g**
PCB 16 (BZ)	**0.0063**	**B J**	**0.010**	**0.00078**	**ng/g**
PCB 17 (BZ)	**0.010**	**B**	**0.010**	**0.00068**	**ng/g**
PCB 18 (BZ)	**0.028**	**B**	**0.020**	**0.00071**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.00076	ng/g
PCB 20 (BZ)	**0.094**	**B C**	**0.020**	**0.00044**	**ng/g**
PCB 21 (BZ)	**0.013**	**B C**	**0.010**	**0.00043**	**ng/g**
PCB 22 (BZ)	**0.013**	**B**	**0.010**	**0.00045**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00045	ng/g
PCB 24 (BZ)	ND		0.010	0.00050	ng/g
PCB 25 (BZ)	**0.0019**	**Q B J**	**0.010**	**0.00040**	**ng/g**
PCB 26 (BZ)	**0.0092**	**B C J**	**0.010**	**0.00043**	**ng/g**
PCB 27 (BZ)	ND		0.010	0.00046	ng/g
PCB 28 (BZ)	**0.094**	**B C20**	**0.020**	**0.00044**	**ng/g**
PCB 29 (BZ)	**0.0092**	**B C26 J**	**0.010**	**0.00043**	**ng/g**
PCB 30 (BZ)	ND		0.020	0.00048	ng/g
PCB 31 (BZ)	**0.043**	**B**	**0.020**	**0.00043**	**ng/g**
PCB 32 (BZ)	**0.0023**	**Q B J**	**0.010**	**0.00046**	**ng/g**
PCB 33 (BZ)	**0.013**	**B C21**	**0.010**	**0.00043**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00045	ng/g
PCB 35 (BZ)	ND		0.010	0.00046	ng/g
PCB 36 (BZ)	ND		0.010	0.00043	ng/g

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	Work Order #....:	J7V9M1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0032	B J	0.010	0.00045	ng/g
PCB 38 (BZ)	ND		0.010	0.00044	ng/g
PCB 39 (BZ)	ND		0.010	0.00041	ng/g
PCB 40 (BZ)	0.017	B C	0.010	0.00078	ng/g
PCB 41 (BZ)	0.0038	Q J	0.010	0.0010	ng/g
PCB 42 (BZ)	0.023		0.010	0.00086	ng/g
PCB 43 (BZ)	0.0053	B C J	0.010	0.00077	ng/g
PCB 44 (BZ)	0.12	B C	0.010	0.00072	ng/g
PCB 45 (BZ)	0.0030	B C J	0.010	0.00086	ng/g
PCB 46 (BZ)	ND		0.010	0.0010	ng/g
PCB 47 (BZ)	0.12	B C44	0.010	0.00072	ng/g
PCB 48 (BZ)	0.017		0.010	0.00083	ng/g
PCB 49 (BZ)	0.12	B	0.010	0.00074	ng/g
PCB 50 (BZ)	0.0032	B C J	0.010	0.00080	ng/g
PCB 51 (BZ)	0.0030	B C45 J	0.010	0.00086	ng/g
PCB 52 (BZ)	0.24	B	0.010	0.00080	ng/g
PCB 53 (BZ)	0.0032	B C50 J	0.010	0.00080	ng/g
PCB 54 (BZ)	ND		0.010	0.00083	ng/g
PCB 55 (BZ)	0.0082	J	0.010	0.00064	ng/g
PCB 56 (BZ)	0.019		0.010	0.00060	ng/g
PCB 57 (BZ)	ND		0.010	0.00062	ng/g
PCB 58 (BZ)	0.0052	J	0.010	0.00059	ng/g
PCB 59 (BZ)	0.011	Q B C	0.010	0.00057	ng/g
PCB 60 (BZ)	0.071		0.010	0.00062	ng/g
PCB 61 (BZ)	ND		0.020	0.00062	ng/g
PCB 62 (BZ)	0.011	Q B C59	0.010	0.00057	ng/g
PCB 63 (BZ)	0.014		0.010	0.00055	ng/g
PCB 64 (BZ)	0.065	B	0.010	0.00056	ng/g
PCB 65 (BZ)	0.12	B C44	0.010	0.00072	ng/g
PCB 66 (BZ)	0.34	B	0.010	0.00057	ng/g
PCB 67 (BZ)	0.0018	Q J	0.010	0.00057	ng/g
PCB 68 (BZ)	0.0023	Q B J	0.010	0.00056	ng/g
PCB 69 (BZ)	ND		0.010	0.00063	ng/g
PCB 70 (BZ)	0.42	B C	0.020	0.00056	ng/g
PCB 71 (BZ)	0.017	B C40	0.010	0.00078	ng/g
PCB 72 (BZ)	0.0025	Q J	0.010	0.00059	ng/g

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	Work Order #....:	J7V9M1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0053	B C43 J	0.010	0.00077	ng/g
PCB 74 (BZ)	0.42	B C70	0.020	0.00056	ng/g
PCB 75 (BZ)	0.011	Q B C59	0.010	0.00057	ng/g
PCB 76 (BZ)	0.42	B C70	0.020	0.00056	ng/g
PCB 77 (BZ)	0.014	Q	0.010	0.00061	ng/g
PCB 78 (BZ)	ND		0.010	0.00063	ng/g
PCB 79 (BZ)	0.0025	J	0.010	0.00054	ng/g
PCB 80 (BZ)	ND		0.010	0.00052	ng/g
PCB 81 (BZ)	ND		0.010	0.00057	ng/g
PCB 82 (BZ)	0.013	Q	0.010	0.0016	ng/g
PCB 83 (BZ)	0.84	C	0.010	0.0012	ng/g
PCB 84 (BZ)	0.024		0.010	0.0014	ng/g
PCB 85 (BZ)	0.25	C	0.010	0.00097	ng/g
PCB 86 (BZ)	0.35	C	0.010	0.00098	ng/g
PCB 87 (BZ)	0.35	C86	0.010	0.00098	ng/g
PCB 88 (BZ)	ND		0.010	0.0013	ng/g
PCB 89 (BZ)	ND		0.010	0.0013	ng/g
PCB 90 (BZ)	0.83	B C	0.010	0.00096	ng/g
PCB 91 (BZ)	0.027	Q	0.010	0.0011	ng/g
PCB 92 (BZ)	0.16		0.010	0.0012	ng/g
PCB 93 (BZ)	ND		0.010	0.0013	ng/g
PCB 94 (BZ)	ND		0.010	0.0013	ng/g
PCB 95 (BZ)	0.18	B C	0.010	0.0011	ng/g
PCB 96 (BZ)	ND		0.010	0.00093	ng/g
PCB 97 (BZ)	0.35	C86	0.010	0.00098	ng/g
PCB 98 (BZ)	ND		0.010	0.0012	ng/g
PCB 99 (BZ)	0.84	C83	0.010	0.0012	ng/g
PCB 100 (BZ)	0.18	B C95	0.010	0.0011	ng/g
PCB 101 (BZ)	0.83	B C90	0.010	0.00096	ng/g
PCB 102 (BZ)	ND		0.010	0.0012	ng/g
PCB 103 (BZ)	ND		0.010	0.0011	ng/g
PCB 104 (BZ)	ND		0.010	0.00082	ng/g
PCB 105 (BZ)	0.56		0.010	0.00066	ng/g
PCB 106 (BZ)	ND		0.010	0.00075	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.12		0.010	0.00073	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.019	Q C	0.010	0.00070	ng/g

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	Work Order #....:	J7V9M1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.35	C86	0.010	0.00098	ng/g
PCB 110 (BZ)	0.68	B C	0.010	0.00083	ng/g
PCB 111 (BZ)	ND		0.010	0.00084	ng/g
PCB 112 (BZ)	ND		0.010	0.00088	ng/g
PCB 113 (BZ)	0.83	B C90	0.010	0.00096	ng/g
PCB 114 (BZ)	0.033		0.010	0.00065	ng/g
PCB 115 (BZ)	0.68	B C110	0.010	0.00083	ng/g
PCB 116 (BZ)	0.25	C85	0.010	0.00097	ng/g
PCB 117 (BZ)	0.25	C85	0.010	0.00097	ng/g
PCB 118 (BZ)	1.6	B	0.010	0.00066	ng/g
PCB 119 (BZ)	0.35	C86	0.010	0.00098	ng/g
PCB 120 (BZ)	ND		0.010	0.00079	ng/g
PCB 121 (BZ)	ND		0.010	0.00086	ng/g
PCB 122 (BZ)	ND		0.010	0.00075	ng/g
PCB 123 (BZ)	0.021		0.010	0.00070	ng/g
PCB 124 (BZ)	0.019	Q C108	0.010	0.00070	ng/g
PCB 125 (BZ)	0.35	C86	0.010	0.00098	ng/g
PCB 126 (BZ)	0.0083	Q J	0.010	0.00075	ng/g
PCB 127 (BZ)	0.0025	Q J	0.010	0.00070	ng/g
PCB 128 (BZ)	0.40		0.010	0.0018	ng/g
PCB 129 (BZ)	2.5	B C	0.010	0.0015	ng/g
PCB 130 (BZ)	0.081		0.010	0.0019	ng/g
PCB 131 (BZ)	0.0027	Q J	0.010	0.0019	ng/g
PCB 132 (BZ)	0.065	B	0.010	0.0019	ng/g
PCB 133 (BZ)	0.031		0.010	0.0018	ng/g
PCB 134 (BZ)	0.018	C	0.010	0.0019	ng/g
PCB 135 (BZ)	0.20	B C	0.010	0.0013	ng/g
PCB 136 (BZ)	0.032	B	0.010	0.0011	ng/g
PCB 137 (BZ)	0.080		0.010	0.0016	ng/g
PCB 138 (BZ)	2.5	B C129	0.010	0.0015	ng/g
PCB 139 (BZ)	0.026	C	0.010	0.0016	ng/g
PCB 140 (BZ)	0.026	C139	0.010	0.0016	ng/g
PCB 141 (BZ)	0.15		0.010	0.0018	ng/g
PCB 142 (BZ)	ND		0.010	0.0019	ng/g
PCB 143 (BZ)	0.018	C134	0.010	0.0019	ng/g
PCB 144 (BZ)	0.021		0.010	0.0014	ng/g

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	Work Order #....:	J7V9M1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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	0.0010	ng/g
PCB 146 (BZ)	**0.36**		**0.010**	**0.0016**	**ng/g**
PCB 147 (BZ)	**0.17**	**B C**	**0.010**	**0.0016**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.0014	ng/g
PCB 149 (BZ)	**0.17**	**B C147**	**0.010**	**0.0016**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.0010	ng/g
PCB 151 (BZ)	**0.20**	**B C135**	**0.010**	**0.0013**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0010	ng/g
PCB 153 (BZ)	**2.2**	**B C**	**0.010**	**0.0013**	**ng/g**
PCB 154 (BZ)	**0.20**	**B C135**	**0.010**	**0.0013**	**ng/g**
PCB 155 (BZ)	ND		0.010	0.00093	ng/g
PCB 156 (BZ)	**0.19**	**C**	**0.010**	**0.0015**	**ng/g**
PCB 157 (BZ)	**0.19**	**C156**	**0.010**	**0.0015**	**ng/g**
PCB 158 (BZ)	**0.18**		**0.010**	**0.0011**	**ng/g**
PCB 159 (BZ)	ND		0.010	0.0013	ng/g
PCB 160 (BZ)	**2.5**	**B C129**	**0.010**	**0.0015**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0012	ng/g
PCB 162 (BZ)	**0.0074**	**Q J**	**0.010**	**0.0013**	**ng/g**
PCB 163 (BZ)	**2.5**	**B C129**	**0.010**	**0.0015**	**ng/g**
PCB 164 (BZ)	**0.059**		**0.010**	**0.0013**	**ng/g**
PCB 165 (BZ)	ND		0.010	0.0014	ng/g
PCB 166 (BZ)	**0.020**	**Q**	**0.010**	**0.0012**	**ng/g**
PCB 167 (BZ)	**0.061**		**0.010**	**0.00079**	**ng/g**
PCB 168 (BZ)	**2.2**	**B C153**	**0.010**	**0.0013**	**ng/g**
PCB 169 (BZ)	**0.0028**	**Q J**	**0.010**	**0.0011**	**ng/g**
PCB 170 (BZ)	**0.24**		**0.010**	**0.0012**	**ng/g**
PCB 171 (BZ)	**0.072**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 172 (BZ)	**0.044**		**0.010**	**0.0012**	**ng/g**
PCB 173 (BZ)	**0.072**	**C171**	**0.010**	**0.0012**	**ng/g**
PCB 174 (BZ)	**0.025**		**0.010**	**0.0011**	**ng/g**
PCB 175 (BZ)	**0.0060**	**J**	**0.010**	**0.0011**	**ng/g**
PCB 176 (BZ)	**0.0020**	**Q J**	**0.010**	**0.00079**	**ng/g**
PCB 177 (BZ)	**0.065**		**0.010**	**0.0011**	**ng/g**
PCB 178 (BZ)	**0.076**		**0.010**	**0.0011**	**ng/g**
PCB 179 (BZ)	**0.037**	**B**	**0.010**	**0.00083**	**ng/g**
PCB 180 (BZ)	**0.60**	**C**	**0.010**	**0.00087**	**ng/g**

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	Work Order #....:	J7V9M1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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	Q J	0.010	0.0010	ng/g
PCB 182 (BZ)	ND		0.010	0.0010	ng/g
PCB 183 (BZ)	0.16	B	0.010	0.0010	ng/g
PCB 184 (BZ)	0.0020	J	0.010	0.00084	ng/g
PCB 185 (BZ)	0.014		0.010	0.0011	ng/g
PCB 186 (BZ)	ND		0.010	0.00082	ng/g
PCB 187 (BZ)	0.53		0.010	0.00098	ng/g
PCB 188 (BZ)	ND		0.010	0.00075	ng/g
PCB 189 (BZ)	0.0076	J	0.010	0.00091	ng/g
PCB 190 (BZ)	0.064		0.010	0.00079	ng/g
PCB 191 (BZ)	0.010	Q	0.010	0.00081	ng/g
PCB 192 (BZ)	ND		0.010	0.00086	ng/g
PCB 193 (BZ)	0.60	C180	0.010	0.00087	ng/g
PCB 194 (BZ)	0.097		0.010	0.0014	ng/g
PCB 195 (BZ)	0.062		0.010	0.0016	ng/g
PCB 196 (BZ)	0.036		0.010	0.00068	ng/g
PCB 197 (BZ)	0.0034	J	0.010	0.00048	ng/g
PCB 198 (BZ)	0.14	C	0.010	0.00067	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.14	C198	0.010	0.00067	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00050	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0068	J	0.010	0.00047	ng/g
PCB 202 (BZ)	0.038		0.010	0.00052	ng/g
PCB 203 (BZ)	0.085		0.010	0.00060	ng/g
PCB 204 (BZ)	ND		0.010	0.00050	ng/g
PCB 205 (BZ)	0.0062	Q J	0.010	0.0011	ng/g
PCB 206 (BZ)	0.055		0.010	0.00087	ng/g
PCB 207 (BZ)	0.0029	Q J	0.010	0.00044	ng/g
PCB 208 (BZ)	0.016	Q	0.010	0.00038	ng/g
PCB 209 (BZ)	0.030		0.010	0.00050	ng/g

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	Work Order #....:	J7V9M1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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	56		30 - 140
13C12-PCB 3	45		30 - 140
13C12-PCB 4	74		30 - 140
13C12-PCB 15	77		30 - 140
13C12-PCB 19	78		30 - 140
13C12-PCB 37	81		30 - 140
13C12-PCB 54	75		30 - 140
13C12-PCB 77	82		30 - 140
13C12-PCB 81	81		30 - 140
13C12-PCB 104	80		30 - 140
13C12-PCB 105	82		30 - 140
13C12-PCB 114	81		30 - 140
13C12-PCB 118	86		30 - 140
13C12-PCB 123	82		30 - 140
13C12-PCB 126	80		30 - 140
13C12-PCB 155	87		30 - 140
13C12-PCB 156	82	C	30 - 140
13C12-PCB 157	82	C	30 - 140
13C12-PCB 167	85		30 - 140
13C12-PCB 169	66		30 - 140
13C12-PCB 170	85		30 - 140
13C12-PCB 188	88		30 - 140
13C12-PCB 189	133		30 - 140
13C12-PCB 202	94		30 - 140
13C12-PCB 205	86		30 - 140
13C12-PCB 206	98		30 - 140
13C12-PCB 208	148	*	30 - 140
13C12-PCB 209	139		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	81	40 - 125
13C12-PCB 111	89	40 - 125
13C12-PCB 178	82	40 - 125

Washington Closure Hanford

Sample ID: J15J21

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001	**Work Order #....:**	J7V9M1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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.

- * Surrogate 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.
- 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	J7V9M1AA	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9m.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99753	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	15:25	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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		5625	1536			0.024976		0.002498	QBJ	0.00108
13C12-PCB 1	12:20	1797593	646336	1.318	10.00	5.560696	55.61	0.556070		0.000739
13C12-PCB 3	14:35	1458093	423595	1.325	10.00	4.483906	44.84	0.448391		0.000734
PCB 1 (BZ)	12:23	5625	1536	1.253		0.024976		0.002498	QBJ	0.000296
PCB 2 (BZ)				1.226				ND		0.000366
PCB 3 (BZ)				1.348				ND		0.000420
Total Dichlorobiphenyl		34827	9262			0.162238		0.016224	QBJ	0.00980
13C12-PCB 4	14:52	1114790	327628	0.615	10.00	7.390145	73.90	0.739014		0.000819
13C12-PCB 9	16:48	2453313	665220	1.000	10.00	10.000000	100.00	1.000000		0.000504
13C12-PCB 8				1.332	5.000			ND		0.000661
13C12-PCB 15	20:53	2019774	433568	1.065	10.00	7.731912	77.32	0.773191		0.000473
PCB 4 (BZ)	14:53	3863	1272	1.212		0.028601		0.002860	QBJ	0.00119
PCB 10 (BZ)				1.326				ND		0.000937
PCB 9 (BZ)				1.445				ND		0.000859
PCB 7 (BZ)				1.432				ND		0.000867
PCB 6 (BZ)	17:18	3540	1198	1.450		0.015575		0.001557	QBJ	0.000856
PCB 5 (BZ)				1.356				ND		0.000916
PCB 8 (BZ)	17:43	14464	3376	1.477		0.062489		0.006249	QBJ	0.000841
PCB 14 (BZ)				1.687				ND		0.000736
PCB 11 (BZ)	20:13	8998	2389	1.448		0.039656		0.003966	QBJ	0.000858
PCB 13 (BZ)				1.454				ND	C12	0.000854
PCB 12 (BZ)				1.454				ND	C	0.000854
PCB 15 (BZ)	20:55	3963	1027	1.233		0.015917		0.001592	QBJ	0.000884
Total Trichlorobiphenyl		512329	104848			2.248103		0.224810	BQ	0.0105
13C12-PCB 19	18:03	870536	239679	0.558	10.00	7.835054	78.35	0.783505		0.00243
13C12-PCB 32	21:18	1989952	475240	1.000	10.00	10.000000	100.00	1.000000		0.00136
13C12-PCB 31	23:34	2851193	633641	1.000	10.00	10.000000	100.00	1.000000		0.00102
13C12-PCB 28	23:50	2228393	473681	0.968	10.00	8.075200	80.75	0.807520		0.00105
13C12-PCB 37	27:58	2056638	392951	0.885	10.00	8.148245	81.48	0.814825		0.00115
PCB 19 (BZ)				1.178				ND		0.000762
PCB 30 (BZ)				1.874				ND		0.000479
PCB 18 (BZ)	19:56	30382	7199	1.262		0.276514		0.027651	B	0.000711
PCB 17 (BZ)	20:19	11707	3092	1.326		0.101422		0.010142	B	0.000677
PCB 27 (BZ)				1.945				ND		0.000461
PCB 24 (BZ)				1.782				ND		0.000503
PCB 16 (BZ)	20:52	6340	1360	1.157		0.062928		0.006293	BJ	0.000775
PCB 32 (BZ)	21:20	3976	1251	1.966		0.023226		0.002323	QBJ	0.000456
PCB 34 (BZ)				1.216				ND		0.000450
PCB 23 (BZ)				1.208				ND		0.000453
PCB 29 (BZ)	23:01	23899	5638	1.265		0.091880		0.009188	BC26J	0.000433
PCB 26 (BZ)		23899		1.265		0.091880		0.009188	BCJ	0.000433
PCB 25 (BZ)	23:16	5347	1310	1.362		0.019094		0.001909	QBJ	0.000402
PCB 31 (BZ)	23:35	114501	25530	1.285		0.433113		0.043311	B	0.000426
PCB 28 (BZ)	23:53	239753	48281	1.238		0.941403		0.094140	BC20	0.000442
PCB 20 (BZ)		239753		1.238		0.941403		0.094140	BC	0.000442
PCB 21 (BZ)		35389		1.276		0.134894		0.013489	BC	0.000429
PCB 33 (BZ)	24:10	35389	7254	1.276		0.134894		0.013489	BC21	0.000429
PCB 22 (BZ)	24:35	33102	7774	1.218		0.132125		0.013213	B	0.000449
PCB 36 (BZ)				1.286				ND		0.000426

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9M1AA	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9m.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99753	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	15:25	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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		0.000411
PCB 38 (BZ)				1.246				ND		0.000439
PCB 35 (BZ)				1.195				ND		0.000458
PCB 37 (BZ)	28:00	7933	1798	1.224		0.031504		0.003150	BJ	0.000447
Total Tetrachlorobiphenyl		2924200	526186			15.416862		1.541686	BQ	0.0218
13C12-PCB 54	21:13	896849	222582	0.598	10.00	7.541973	75.42	0.754197		0.000836
13C12-PCB 52	25:42	1535394	328531	1.000	10.00	10.000000	100.00	1.000000		0.000723
13C12-PCB 79				1.089	5.000			ND		0.000717
13C12-PCB 81	34:41	1604217	298823	1.286	10.00	8.121984	81.22	0.812198		0.000562
13C12-PCB 77	35:18	1632044	309755	1.297	10.00	8.194268	81.94	0.819427		0.000557
PCB 54 (BZ)				1.211				ND		0.000835
PCB 50 (BZ)		4758		0.927		0.031726		0.003173	BCJ	0.000798
PCB 53 (BZ)	23:22	4758	1202	0.927		0.031726		0.003173	BC50J	0.000798
PCB 45 (BZ)	24:03	4213	949	0.857		0.030373		0.003037	BCJ	0.000863
PCB 51 (BZ)		4213		0.857		0.030373		0.003037	BC45J	0.000863
PCB 46 (BZ)				0.706				ND		0.00105
PCB 52 (BZ)	25:43	363591	79701	0.926		2.426715		0.242671	B	0.000799
PCB 73 (BZ)		8161		0.957		0.052681		0.005268	BC43J	0.000772
PCB 43 (BZ)	25:57	8161	1275	0.957		0.052681		0.005268	BCJ	0.000772
PCB 69 (BZ)				1.180				ND		0.000626
PCB 49 (BZ)	26:10	198304	43519	1.005		1.219012		0.121901	B	0.000736
PCB 48 (BZ)	26:27	24325	5967	0.886		0.169677		0.016968		0.000835
PCB 65 (BZ)	26:44	206293	31492	1.024		1.245325		0.124533	BC44	0.000722
PCB 47 (BZ)		206293		1.024		1.245325		0.124533	BC44	0.000722
PCB 44 (BZ)		206293		1.024		1.245325		0.124533	BC	0.000722
PCB 62 (BZ)	26:59	24125	3707	1.297		0.114993		0.011499	QBC59	0.000570
PCB 75 (BZ)		24125		1.297		0.114993		0.011499	QBC59	0.000570
PCB 59 (BZ)		24125		1.297		0.114993		0.011499	QBC	0.000570
PCB 42 (BZ)	27:17	31318	6845	0.860		0.225160		0.022516		0.000860
PCB 41 (BZ)	27:39	4489	1393	0.723		0.038349		0.003835	QJ	0.00102
PCB 71 (BZ)	27:46	26088	4864	0.953		0.169130		0.016913	BC40	0.000776
PCB 40 (BZ)		26088		0.953		0.169130		0.016913	BC	0.000776
PCB 64 (BZ)	27:59	137573	28932	1.313		0.647523		0.064752	B	0.000563
PCB 72 (BZ)	28:43	5106	1258	1.257		0.025104		0.002510	QJ	0.000588
PCB 68 (BZ)	28:59	4866	1163	1.327		0.022661		0.002266	QBJ	0.000557
PCB 57 (BZ)				1.194				ND		0.000619
PCB 58 (BZ)	29:40	10666	2145	1.260		0.052328		0.005233	J	0.000587
PCB 67 (BZ)	29:50	3777	1290	1.286		0.018144		0.001814	QJ	0.000575
PCB 63 (BZ)	30:06	29797	6099	1.339		0.137557		0.013756		0.000552
PCB 61 (BZ)				1.190				ND		0.000621
PCB 70 (BZ)	30:30	904891	167289	1.317		4.245916		0.424592	BC	0.000561
PCB 76 (BZ)		904891		1.317		4.245916		0.424592	BC70	0.000561
PCB 74 (BZ)		904891		1.317		4.245916		0.424592	BC70	0.000561
PCB 66 (BZ)	30:49	709903	134104	1.289		3.402899		0.340290	B	0.000574
PCB 55 (BZ)	31:00	15379	2979	1.161		0.081896		0.008190	J	0.000637
PCB 56 (BZ)	31:35	37432	8803	1.231		0.187940		0.018794		0.000601
PCB 60 (BZ)	31:46	136219	25293	1.191		0.706848		0.070685		0.000621
PCB 80 (BZ)				1.416				ND		0.000522
PCB 79 (BZ)	33:39	5441	1484	1.371		0.024531		0.002453	J	0.000539

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9M1AA	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9m.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99753	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	15:25	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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		0.000626
PCB 81 (BZ)				1.317				ND		0.000572
PCB 77 (BZ)	35:19	27485	4496	1.200		0.140375		0.014037	Q	0.000605
Total Pentachlorobiphenyl		9622400	1373467			57.508218		5.750822	BQ	0.0311
13C12-PCB 104	26:36	1387612	300990	1.260	10.00	8.001872	80.02	0.800187		0.000866
13C12-PCB 95				0.741	5.000			ND		0.00135
13C12-PCB 101	32:29	1376547	274836	1.000	10.00	10.000000	100.00	1.000000		0.00109
13C12-PCB 111	35:05	1503305	318105	1.229	10.00	8.885894	88.86	0.888589		0.000888
13C12-PCB 123	37:08	1840069	356667	0.955	10.00	8.187829	81.88	0.818783		0.000694
13C12-PCB 118	37:27	2003026	392731	0.988	10.00	8.610732	86.11	0.861073		0.000671
13C12-PCB 114	37:59	1857206	363980	0.971	10.00	8.125833	81.26	0.812583		0.000683
13C12-PCB 105	38:44	1823945	353423	0.941	10.00	8.231104	82.31	0.823110		0.000704
13C12-PCB 127	40:04	2354412	452764	1.000	10.00	10.000000	100.00	1.000000		0.000663
13C12-PCB 126	41:47	1845577	342662	0.978	10.00	8.016559	80.17	0.801656		0.000678
PCB 104 (BZ)				1.149				ND		0.000824
PCB 96 (BZ)				1.014				ND		0.000934
PCB 103 (BZ)				0.866				ND		0.00109
PCB 94 (BZ)				0.703				ND		0.00135
PCB 95 (BZ)	29:41	210811	42388	0.859		1.769181		0.176918	BC	0.00110
PCB 100 (BZ)		210811		0.859		1.769181		0.176918	BC95	0.00110
PCB 93 (BZ)				0.701				ND		0.00135
PCB 102 (BZ)				0.822				ND	C98	0.00115
PCB 98 (BZ)				0.822				ND	C	0.00115
PCB 88 (BZ)				0.723				ND		0.00131
PCB 91 (BZ)	30:30	32222	6263	0.864		0.268832		0.026883	Q	0.00110
PCB 84 (BZ)	30:49	22883	4802	0.679		0.242741		0.024274		0.00139
PCB 89 (BZ)				0.717				ND		0.00132
PCB 121 (BZ)				1.105				ND		0.000857
PCB 92 (BZ)	31:55	176648	34828	0.772		1.648263		0.164826		0.00123
PCB 113 (BZ)	32:30	1144973	239143	0.990		8.337830		0.833783	BC90	0.000957
PCB 90 (BZ)		1144973		0.990		8.337830		0.833783	BC	0.000957
PCB 101 (BZ)		1144973		0.990		8.337830		0.833783	BC90	0.000957
PCB 83 (BZ)	33:04	901195	180764	0.777		8.362265		0.836227	C	0.00122
PCB 99 (BZ)		901195		0.777		8.362265		0.836227	C83	0.00122
PCB 112 (BZ)				1.079				ND		0.000878
PCB 109 (BZ)/108 (IUPAC)		468830		0.967		3.494762		0.349476	C86	0.000979
PCB 86 (BZ)		468830		0.967		3.494762		0.349476	C	0.000979
PCB 119 (BZ)		468830		0.967		3.494762		0.349476	C86	0.000979
PCB 97 (BZ)		468830		0.967		3.494762		0.349476	C86	0.000979
PCB 125 (BZ)	33:47	468830	54805	0.967		3.494762		0.349476	C86	0.000979
PCB 87 (BZ)		468830		0.967		3.494762		0.349476	C86	0.000979
PCB 117 (BZ)	34:14	339213	10611	0.979		2.496678		0.249668	C85	0.000967
PCB 116 (BZ)		339213		0.979		2.496678		0.249668	C85	0.000967
PCB 85 (BZ)	34:23	339213	59561	0.979		2.496678		0.249668	C	0.000967
PCB 110 (BZ)	34:34	1073996	216131	1.139		6.796922		0.679692	BC	0.000832
PCB 115 (BZ)		1073996		1.139		6.796922		0.679692	BC110	0.000832
PCB 82 (BZ)	34:58	11169	2581	0.605		0.133123		0.013312	Q	0.00157
PCB 111 (BZ)				1.129				ND		0.000839
PCB 120 (BZ)				1.192				ND		0.000794

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9M1AA	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9m.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99753	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	15:25	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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)		40114		1.123		0.190532		0.019053	QC108	0.000701
PCB 108 (BZ)/107 (IUPAC)	36:48	40114	8451	1.123		0.190532		0.019053	QC	0.000701
PCB 107 (BZ)/109 (IUPAC)	37:01	240648	47241	1.074		1.195556		0.119556		0.000733
PCB 123 (BZ)	37:09	44094	10799	1.136		0.210941		0.021094		0.000703
PCB 106 (BZ)				1.046				ND		0.000753
PCB 118 (BZ)	37:28	3580532	697286	1.094		16.344056		1.634406	B	0.000664
PCB 122 (BZ)				1.047				ND		0.000752
PCB 114 (BZ)	38:02	73374	13076	1.196		0.330303		0.033030		0.000655
PCB 105 (BZ)	38:45	1239579	234701	1.218		5.579176		0.557918		0.000662
PCB 127 (BZ)	40:06	5197	1104	1.130		0.024531		0.002453	QJ	0.000697
PCB 126 (BZ)	41:48	16922	2706	1.111		0.082526		0.008253	QJ	0.000749
Total Hexachlorobiphenyl		10393923	1930061			68.486271		6.848627	BQ	0.0453
13C12-PCB 155	32:05	1415155	292291	1.178	10.00	8.727706	87.28	0.872771		0.000934
13C12-PCB 153				0.833	5.000			ND		0.00163
13C12-PCB 138	40:33	1646649	321992	1.000	10.00	10.000000	100.00	1.000000		0.000939
13C12-PCB 167	43:29	1739706	334646	1.237	10.00	8.543418	85.43	0.854342		0.000760
13C12-PCB 156	44:46	3315588	339918	1.229	20.00	16.386073	81.93	1.638607		0.000765
13C12-PCB 157								ND		0.000000
13C12-PCB 169	47:59	1283437	214333	1.188	10.00	6.563143	65.63	0.656314		0.000791
PCB 155 (BZ)				1.117				ND		0.000926
PCB 152 (BZ)				1.023				ND		0.00101
PCB 150 (BZ)				1.032				ND		0.00100
PCB 136 (BZ)	33:09	43690	10083	0.967		0.319412		0.031941	B	0.00107
PCB 145 (BZ)				1.021				ND		0.00101
PCB 148 (BZ)				0.749				ND		0.00138
PCB 151 (BZ)	35:23	225691	37752	0.781		2.043311		0.204331	BC135	0.00133
PCB 135 (BZ)		225691		0.781		2.043311		0.204331	BC	0.00133
PCB 154 (BZ)		225691		0.781		2.043311		0.204331	BC135	0.00133
PCB 144 (BZ)	35:58	22393	4740	0.759		0.208576		0.020858		0.00136
PCB 147 (BZ)	36:20	238729	45165	0.862		1.748127		0.174813	BC	0.00158
PCB 149 (BZ)		238729		0.862		1.748127		0.174813	BC147	0.00158
PCB 134 (BZ)	36:35	20745	5356	0.711		0.184006		0.018401	C	0.00191
PCB 143 (BZ)		20745		0.711		0.184006		0.018401	C134	0.00191
PCB 139 (BZ)	36:51	35740	6633	0.856		0.263568		0.026357	C	0.00159
PCB 140 (BZ)		35740		0.856		0.263568		0.026357	C139	0.00159
PCB 131 (BZ)	37:09	3033	688	0.713		0.026825		0.002683	QJ	0.00191
PCB 142 (BZ)				0.735				ND		0.00185
PCB 132 (BZ)	37:42	73179	16322	0.710		0.650229		0.065023	B	0.00192
PCB 133 (BZ)	37:59	38077	8015	0.768		0.312715		0.031272		0.00177
PCB 165 (BZ)				0.993				ND		0.00137
PCB 146 (BZ)	38:37	497373	102066	0.874		3.592373		0.359237		0.00156
PCB 161 (BZ)				1.090				ND		0.00125
PCB 153 (BZ)	39:13	3767059	736769	1.068		22.248370		2.224837	BC	0.00127
PCB 168 (BZ)		3767059		1.068		22.248370		2.224837	BC153	0.00127
PCB 141 (BZ)	39:30	178621	31470	0.756		1.491413		0.149141		0.00180
PCB 130 (BZ)	39:57	90475	17781	0.708		0.805898		0.080590		0.00192
PCB 137 (BZ)	40:07	105772	21783	0.835		0.799277		0.079928		0.00163
PCB 164 (BZ)	40:18	96691	18566	1.033		0.590564		0.059056		0.00132
PCB 138 (BZ)	40:35	3594533	697840	0.922		24.601224		2.460122	BC129	0.00148

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9M1AA	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9m.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99753	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	15:25	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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)		3594533		0.922		24.601224		2.460122	BC129	0.00148
PCB 129 (BZ)		3594533		0.922		24.601224		2.460122	BC	0.00148
PCB 160 (BZ)		3594533		0.922		24.601224		2.460122	BC129	0.00148
PCB 158 (BZ)	40:56	342333	66253	1.191		1.813545		0.181354		0.00114
PCB 166 (BZ)	41:50	35701	8048	1.102		0.204402		0.020440	Q	0.00124
PCB 128 (BZ)	41:56	486521	93505	0.769		3.993195		0.399320		0.00177
PCB 159 (BZ)				1.079				ND		0.00126
PCB 162 (BZ)	43:01	12663	2395	1.079		0.074068		0.007407	QJ	0.00126
PCB 167 (BZ)	43:31	121109	22820	1.150		0.605222		0.060522		0.000786
PCB 156 (BZ)	44:42	359073	58011	1.151		1.882430		0.188243	C	0.00155
PCB 157 (BZ)		359073		1.151		1.882430		0.188243	C156	0.00155
PCB 169 (BZ)	48:00	4722	916	1.337		0.027518		0.002752	QJ	0.00106
Total Heptachlorobiphenyl		2599740	330795			19.531110		1.953111	BQ	0.0214
13C12-PCB 188	37:50	1607081	321107	1.238	10.00	8.783344	87.83	0.878334		0.000785
13C12-PCB 178	40:54	1050876	212384	0.863	10.00	8.239201	82.39	0.823920		0.00113
13C12-PCB 180	45:59	1477778	275329	1.000	10.00	10.000000	100.00	1.000000		0.000972
13C12-PCB 170	47:21	1021614	198285	0.813	10.00	8.498325	84.98	0.849833		0.00119
13C12-PCB 189	50:31	1551428	258493	1.620	10.00	13.339320	133.39	1.333932		0.00174
PCB 188 (BZ)				1.071				ND		0.000749
PCB 179 (BZ)	38:20	58438	12098	1.200		0.370563		0.037056	B	0.000826
PCB 184 (BZ)	38:41	3043	692	1.178		0.019649		0.001965	J	0.000842
PCB 176 (BZ)	39:11	3237	588	1.252		0.019672		0.001967	QJ	0.000792
PCB 186 (BZ)				1.214				ND		0.000817
PCB 178 (BZ)	40:55	88527	18896	0.889		0.757353		0.075735		0.00111
PCB 175 (BZ)	41:34	7265	1969	0.920		0.060074		0.006007	J	0.00108
PCB 187 (BZ)	41:49	702541	149584	1.009		5.298419		0.529842		0.000983
PCB 182 (BZ)				0.972				ND		0.00102
PCB 183 (BZ)	42:25	193085	37877	0.946		1.552646		0.155265	B	0.00105
PCB 185 (BZ)	42:34	16759	3800	0.919		0.138761		0.013876		0.00108
PCB 174 (BZ)	42:47	30821	6306	0.924		0.253772		0.025377		0.00107
PCB 177 (BZ)	43:12	74816	14996	0.880		0.647212		0.064721		0.00113
PCB 181 (BZ)	43:32	4830	951	0.975		0.037699		0.003770	QJ	0.00102
PCB 171 (BZ)		78629		0.835		0.716421		0.071642	C	0.00119
PCB 173 (BZ)	43:48	78629	16417	0.835		0.716421		0.071642	C171	0.00119
PCB 172 (BZ)	45:22	47948	10785	0.838		0.435222		0.043522		0.00118
PCB 192 (BZ)				1.147				ND		0.000864
PCB 193 (BZ)	46:01	896269	165267	1.134		6.013257		0.601326	C180	0.000874
PCB 180 (BZ)		896269		1.134		6.013257		0.601326	C	0.000874
PCB 191 (BZ)	46:21	16580	3501	1.228		0.102743		0.010274	Q	0.000808
PCB 170 (BZ)	47:23	258105	48502	1.058		2.388838		0.238884		0.00123
PCB 190 (BZ)	47:52	105873	17602	1.254		0.642589		0.064259		0.000791
PCB 189 (BZ)	50:32	12975	2648	1.097		0.076222		0.007622	J	0.000908
Total Octachlorobiphenyl		460978	82677			4.717348		0.471735	Q	0.00852
13C12-PCB 202	43:11	1384572	273491	0.994	10.00	9.427882	94.28	0.942788		0.000713
13C12-PCB 194	52:41	717729	95038	1.000	10.00	10.000000	100.00	1.000000		0.00205
13C12-PCB 205	53:10	865850	124744	1.407	10.00	8.575611	85.76	0.857561		0.00146
PCB 202 (BZ)	43:12	52600	10351	0.993		0.382689		0.038269		0.000516
PCB 200 (BZ)/201 (IUPAC)	44:06	10182	2299	1.087		0.067654		0.006765	J	0.000471
PCB 204 (BZ)				1.033				ND		0.000495

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9M1AA	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9m.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99753	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	15:25	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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)	44:59	4932	1245	1.061		0.033562		0.003356	J	0.000482
PCB 199 (BZ)/200 (IUPAC)				1.031				ND		0.000497
PCB 198 (BZ)	47:58	143144	25642	0.761		1.358886		0.135889	C	0.000673
PCB 201 (BZ)/199 (IUPAC)		143144		0.761		1.358886		0.135889	C198	0.000673
PCB 196 (BZ)	48:37	37707	7507	0.752		0.362098		0.036210		0.000681
PCB 203 (BZ)	48:47	101087	18468	0.856		0.852925		0.085293		0.000598
PCB 195 (BZ)	50:14	39027	7163	0.723		0.623828		0.062383		0.00155
PCB 194 (BZ)	52:43	67020	9125	0.795		0.973774		0.097377		0.00141
PCB 205 (BZ)	53:12	5279	877	0.984		0.061931		0.006193	QJ	0.00114
Total Nonachlorobiphenyl		59176	10903			0.746209		0.074621	Q	0.00170
13C12-PCB 208	49:50	1231946	222711	1.161	10.00	14.783298	147.83	1.478330		0.00113
13C12-PCB 206	54:51	579970	91435	0.823	10.00	9.822507	98.23	0.982251		0.00160
PCB 208 (BZ)	49:50	20545	3776	1.026		0.162496		0.016250	Q	0.000383
PCB 207 (BZ)	50:48	3326	701	1.264		0.029046		0.002905	QJ	0.000441
PCB 206 (BZ)	54:53	35305	6426	1.097		0.554667		0.055467		0.000872
13C12-PCB 209	56:22	927415	165447	0.930	10.00	13.892628	138.93	1.389263		0.00198
PCB 209 (BZ)	56:24	28354	4908	1.006		0.303995		0.030400		0.000496

STL - Knoxville

IsoCalc Preliminary Peak Report

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

IsoCalc

Workorder	J7V9M1AA	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9m.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99753	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 15:25	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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	115	125	46	50	0.92 *	/	
	PCB 1 (BZ)	12:23	12:20	3	6849	1362	2104	372	5.03 *	ABB/ABB	R
200					200.0795	202.0766	200.0795	202.0766	2.66-3.60		
	Noise	00:00	00:00	0	205	443	82	177	0.46 *	/	
	13C12-PCB 1	12:20	12:19	1	1366080	431513	491404	154932	3.17	AVV/AVV	
	13C12-PCB 3	14:35	14:33	2	1117807	340286	324845	98750	3.28	ABV/AVV	
222					222.0003	223.9974	222.0003	223.9974	1.33-1.79		
	Noise	00:00	00:00	0	133	340	53	136	0.39 *	/	
	PCB 4 (BZ)	14:53	14:51	2	2354	6281	775	1234	0.37 *	MBB/AVB	R
	PCB 6 (BZ)	17:18	17:15	3	2157	4896	730	1417	0.44 *	MBB/MVV	R
	PCB 8 (BZ)	17:43	17:42	1	8814	8706	2057	1792	1.01 *	MBB/MBB	R
	PCB 11 (BZ)	20:13	20:12	1	5483	7442	1456	1511	0.74 *	MBB/MBV	R
	PCB 15 (BZ)	20:55	20:49	6	2415	3677	626	631	0.66 *	MBB/MVV	RTM
234					234.0406	236.0376	234.0406	236.0376	1.33-1.79		
	Noise	00:00	00:00	0	190	145	76	58	1.31 *	/	
	13C12-PCB 4	14:52	14:50	2	691514	423276	203852	123776	1.63	ABV/ABV	
	13C12-PCB 9	16:48	16:47	1	1507173	946140	406472	258748	1.59	ABV/ABV	
	13C12-PCB 15	20:53	20:49	4	1246979	772795	266006	167562	1.61	ABV/ABV	
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	Noise	00:00	00:00	0	120	95	48	38	1.26 *	/	
	PCB 18 (BZ)	19:56	19:53	3	16252	14130	3818	3381	1.15	ABB/ABB	
	PCB 17 (BZ)	20:19	20:18	1	5649	6058	1307	1785	0.93	ABB/ABB	
	PCB 16 (BZ)	20:52	20:49	3	3439	2901	789	571	1.19	ABB/ABB	
	PCB 32 (BZ)	21:20	21:19	1	2577	1949	555	613	1.32 *	MBB/ABB	R
	PCB 29 (BZ)	23:01	22:59	2	11787	12112	2740	2898	0.97	ABB/ABB	
	PCB 25 (BZ)	23:16	23:13	3	3902	2621	1309	642	1.49 *	ABB/ABB	R
	PCB 31 (BZ)	23:35	23:34	1	58531	55970	13211	12319	1.05	ABV/ABV	
	PCB 28 (BZ)	23:53	23:50	3	125163	114590	26110	22171	1.09	AVV/AVV	
	PCB 33 (BZ)	24:10	24:09	1	18371	17018	3574	3680	1.08	AVV/AVV	
	PCB 22 (BZ)	24:35	24:33	2	17024	16078	4203	3571	1.06	ABB/ABB	
	PCB 37 (BZ)	28:00	27:57	3	3724	4209	868	930	0.88	MBB/ABB	
268					268.0016	269.9986	268.0016	269.9986	0.88-1.20		
	Noise	00:00	00:00	0	390	255	156	102	1.53 *	/	
	13C12-PCB 19	18:03	18:01	2	452997	417539	123702	115977	1.08	AVV/AVV	
	13C12-PCB 32	21:18	21:17	1	1038021	951931	245873	229367	1.09	ABV/ABV	
	13C12-PCB 31	23:34	23:32	2	1469753	1381440	328423	305218	1.06	ABV/ABV	
	13C12-PCB 28	23:50	23:49	1	1148824	1079569	241681	232000	1.06	AVB/AVB	
	13C12-PCB 37	27:58	27:55	3	1073576	983062	206135	186816	1.09	ABB/ABB	
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	Noise	00:00	00:00	0	110	115	44	46	0.96 *	/	
	PCB 53 (BZ)	23:22	23:19	3	2245	2513	441	761	0.89 *	ABB/ABB	M
	PCB 45 (BZ)	24:03	24:02	1	1727	2486	386	563	0.69	ABB/ABB	
	PCB 52 (BZ)	25:43	25:43	0	159942	203649	35933	43768	0.79	ABV/MBV	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 comm 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	J7V9M1AA	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9m.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99753	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 15:25	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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		
	PCB 43 (BZ)	25:57	25:56	1	3811	4350	623	652	0.88	AVV/MVV	D
	PCB 49 (BZ)	26:10	26:12	-2	86478	111826	18878	24641	0.77	AVV/AVV	D
	PCB 48 (BZ)	26:27	26:28	-1	9872	14453	2478	3489	0.68	AVV/AVB	D
	PCB 65 (BZ)	26:44	26:41	3	90374	115919	13631	17861	0.78	AVV/ABV	
	PCB 62 (BZ)	26:59	26:57	2	10750	13375	1592	2115	0.80	AVV/AVV	T
	PCB 42 (BZ)	27:17	27:16	1	13415	17903	2876	3969	0.75	AVB/AVB	D
	PCB 41 (BZ)	27:39	27:41	-2	2286	2536	486	787	0.90 *	ABV/ABV	RD
	PCB 71 (BZ)	27:46	27:46	0	10429	15659	2265	2599	0.67	AVV/AVV	D
	PCB 64 (BZ)	27:59	27:58	1	59373	78200	12729	16203	0.76	AVB/AVB	D
	PCB 72 (BZ)	28:43	28:46	-3	3449	2885	818	711	1.20 *	ABB/ABB	R
	PCB 68 (BZ)	28:59	29:01	-2	2117	3460	506	707	0.61 *	MBB/MVV	R
	PCB 58 (BZ)	29:40	29:44	-4	4751	5915	824	1321	0.80	ABV/ABV	M
	PCB 67 (BZ)	29:50	29:51	-1	1643	3379	561	759	0.49 *	AVB/AVB	R
	PCB 63 (BZ)	30:06	30:09	-3	12871	16926	2503	3596	0.76	ABB/ABB	D
	PCB 70 (BZ)	30:30	30:30	0	388059	516832	71145	96144	0.75	ABV/ABV	
	PCB 66 (BZ)	30:49	30:50	-1	306476	403427	58465	75639	0.76	MVV/MVV	
	PCB 55 (BZ)	31:00	31:02	-2	6126	9253	1228	1751	0.66	MVV/MVV	
	PCB 56 (BZ)	31:35	31:33	2	15956	21476	3474	5329	0.74	ABV/ABV	
	PCB 60 (BZ)	31:46	31:45	1	60355	75864	11772	13521	0.80	AVV/AVV	
	PCB 79 (BZ)	33:39	33:39	0	2472	2969	845	639	0.83	AVV/MVV	
	PCB 77 (BZ)	35:19	35:17	2	13933	15528	1823	2540	0.90 *	ABB/ABB	R
302					301.9626	303.9597	301.9626	303.9597	0.65-0.89		
	Noise	00:00	00:00	0	120	118	48	47	1.02 *	/	
	13C12-PCB 54	21:13	21:10	3	400892	495957	100398	122184	0.81	ABV/ABV	
	13C12-PCB 52	25:42	25:42	0	671794	863600	143961	184570	0.78	ABV/ABV	
	13C12-PCB 81	34:41	34:39	2	708494	895723	131297	167526	0.79	ABV/ABV	
	Unidentified	35:06	00:00	0	5125	3574	1123	838	1.43 *	AVB/AVV	RT
	13C12-PCB 77	35:18	35:16	2	722172	909872	135843	173912	0.79	ABB/ABB	
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	Noise	00:00	00:00	0	158	128	63	51	1.24 *	/	
	PCB 95 (BZ)	29:41	29:42	-1	126515	84296	25511	16877	1.50	ABB/ABB	
	PCB 91 (BZ)	30:30	30:31	-1	23533	12636	4905	2456	1.86 *	ABB/ABB	R
	PCB 84 (BZ)	30:49	30:48	1	14322	8561	3366	1436	1.67	ABB/ABB	
	PCB 92 (BZ)	31:55	31:58	-3	108834	67814	21869	12959	1.60	ABV/ABB	
	PCB 113 (BZ)	32:30	32:30	0	708418	436555	148311	90832	1.62	ABV/ABV	
	PCB 83 (BZ)	33:04	33:04	0	555044	346151	111426	69338	1.60	ABB/ABB	
	PCB 125 (BZ)	33:47	33:45	2	286638	182192	32546	22259	1.57	ABB/ABB	
	PCB 117 (BZ)	34:14	34:15	-1	31668	17877	6703	3908	1.77	ABV/ABV	
	PCB 85 (BZ)	34:23	34:24	-1	177126	112542	37443	22118	1.57	AVV/AVV	M
	PCB 110 (BZ)	34:34	34:34	0	654285	419711	130683	85448	1.56	AVB/AVB	
	PCB 82 (BZ)	34:58	34:56	2	6789	5260	1569	1061	1.29 *	ABB/MBB	R
	PCB 108 (BZ)/107 (IUPAC	36:48	36:51	-3	28867	15731	6932	3314	1.84 *	ABB/ABV	R
	PCB 107 (BZ)/109 (IUPAC	37:01	37:05	-4	147279	93369	28694	18547	1.58	ABV/AVV	D
	PCB 123 (BZ)	37:09	37:11	-2	28035	16059	6608	4191	1.75	AVB/AVB	

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 comm 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	J7V9M1AA	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9m.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99753	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 15:25	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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 118 (BZ)	37:28	37:32	-4	2230709	1349823	437750	259536	1.65	ABV/ABV	
	PCB 114 (BZ)	38:02	38:04	-2	42832	30542	7643	5433	1.40	AVB/AVB	
	PCB 105 (BZ)	38:45	38:47	-2	775304	464275	143248	91453	1.67	ABV/ABV	
	PCB 127 (BZ)	40:06	40:10	-4	3754	2038	620	433	1.84 *	AVB/MVB	RDT
	PCB 126 (BZ)	41:48	41:49	-1	12020	6636	2158	1061	1.81 *	ABV/MVV	RT
338					337.9207	339.9178	337.9207	339.9178	1.32-1.78		
	Noise	00:00	00:00	0	163	138	65	55	1.18 *	/	
	13C12-PCB 104	26:36	26:37	-1	851307	536305	183143	117847	1.59	ABV/ABV	
	13C12-PCB 101	32:29	32:30	-1	860723	515824	171974	102862	1.67	ABV/ABV	
	13C12-PCB 111	35:05	35:09	-4	927942	575363	193746	124359	1.61	ABV/ABV	
	13C12-PCB 123	37:08	37:11	-3	1146080	693989	221456	135211	1.65	AVV/ABV	
	13C12-PCB 118	37:27	37:30	-3	1241199	761827	242801	149930	1.63	AVV/AVV	
	13C12-PCB 114	37:59	38:02	-3	1149219	707987	225325	138655	1.62	AVV/AVV	
	13C12-PCB 105	38:44	38:45	-1	1133899	690046	216374	137049	1.64	ABB/ABB	
	13C12-PCB 127	40:04	40:08	-4	1468742	885670	283966	168798	1.66	ABV/ABV	
	13C12-PCB 126	41:47	41:48	-1	1144851	700726	213360	129302	1.63	ABV/ABV	
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	Noise	00:00	00:00	0	165	138	66	55	1.20	/	
	PCB 136 (BZ)	33:09	33:09	0	24188	19502	5890	4193	1.24	ABB/ABB	
	PCB 151 (BZ)	35:23	35:27	-4	123803	101888	21118	16634	1.22	ABV/ABV	
	PCB 144 (BZ)	35:58	36:01	-3	12383	10010	2427	2313	1.24	ABB/ABB	
	PCB 147 (BZ)	36:20	36:22	-2	134987	103742	25065	20100	1.30	ABV/ABV	
	PCB 134 (BZ)	36:35	36:37	-2	11141	9604	2615	2741	1.16	AVB/AVB	
	PCB 139 (BZ)	36:51	36:56	-5	20221	15519	4077	2556	1.30	ABB/ABB	M
	PCB 131 (BZ)	37:09	37:12	-3	1679	1836	381	348	0.91 *	ABB/ABB	R
	PCB 132 (BZ)	37:42	37:44	-2	41071	32108	8676	7646	1.28	ABB/ABB	
	PCB 133 (BZ)	37:59	38:06	-7	22217	15860	4972	3043	1.40	ABB/ABB	M
	PCB 146 (BZ)	38:37	38:43	-6	280089	217284	57765	44301	1.29	ABV/ABV	M
	PCB 153 (BZ)	39:13	39:21	-8	2090404	1676655	404570	332199	1.25	ABV/ABV	M
	PCB 141 (BZ)	39:30	39:35	-5	100205	78416	17956	13514	1.28	AVV/AVV	M
	PCB 130 (BZ)	39:57	40:01	-4	47168	43307	9260	8521	1.09	ABV/ABV	
	PCB 137 (BZ)	40:07	40:12	-5	59318	46454	12531	9252	1.28	AVV/AVV	M
	PCB 164 (BZ)	40:18	40:21	-3	53046	43645	10345	8221	1.22	AVB/AVB	
	PCB 138 (BZ)	40:35	40:39	-4	2009280	1585253	390773	307067	1.27	ABV/ABV	M
	PCB 158 (BZ)	40:56	41:00	-4	183887	158446	35155	31098	1.16	AVB/AVB	M
	PCB 166 (BZ)	41:50	41:51	-1	23040	15938	4327	3593	1.45 *	ABV/ABV	R
	PCB 128 (BZ)	41:56	41:58	-2	271622	214899	52539	40966	1.26	AVV/AVV	
	PCB 162 (BZ)	43:01	43:07	-6	7010	8104	1326	1579	0.87 *	ABV/ABV	RM
	PCB 167 (BZ)	43:31	43:37	-6	66261	54848	12496	10324	1.21	ABV/ABV	M
	PCB 156 (BZ)	44:42	44:47	-5	201797	157276	33761	24250	1.28	ABB/ABV	M
	PCB 169 (BZ)	48:00	48:02	-2	3480	2108	658	409	1.65 *	AVV/MBB	R
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	Noise	00:00	00:00	0	160	143	64	57	1.12	/	
	13C12-PCB 155	32:05	32:11	-6	802258	612897	167341	124950	1.31	ABV/ABV	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	J7V9M1AA	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9m.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99753	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 15:25	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	13C12-PCB 138	40:33	40:37	-4	923552	723097	178857	143135	1.28	ABV/ABV	M
	Unidentified	40:55	00:00	0	14386	9034	2516	1378	1.59 *	AVB/AVB	R
	13C12-PCB 167	43:29	43:34	-5	986887	752819	190035	144611	1.31	AVV/ABV	M
	13C12-PCB 156	44:46	44:44	2	1859411	1456177	193369	146549	1.28	AVV/AVV	
	13C12-PCB 169	47:59	48:01	-2	724635	558802	121097	93236	1.30	ABV/ABV	
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	Noise	00:00	00:00	0	138	120	55	48	1.15	/	
	PCB 179 (BZ)	38:20	38:25	-5	28726	29712	6426	5672	0.97	ABB/ABB	M
	PCB 184 (BZ)	38:41	38:49	-8	1605	1438	428	264	1.12	ABB/ABB	M
	PCB 176 (BZ)	39:11	39:17	-6	2530	1579	451	287	1.60 *	ABB/ABB	RM
	PCB 178 (BZ)	40:55	41:03	-8	45270	43257	9873	9023	1.05	ABB/ABB	M
	PCB 175 (BZ)	41:34	41:40	-6	3827	3438	910	1059	1.11	ABB/ABB	M
	PCB 187 (BZ)	41:49	41:56	-7	356186	346355	77449	72135	1.03	ABB/ABV	M
	PCB 183 (BZ)	42:25	42:32	-7	95923	97162	18624	19253	0.99	ABV/ABV	M
	PCB 185 (BZ)	42:34	42:41	-7	8252	8507	1969	1831	0.97	AVV/AVV	DM
	PCB 174 (BZ)	42:47	42:51	-4	16071	14750	3335	2971	1.09	AVB/AVB	M
	PCB 177 (BZ)	43:12	43:18	-6	38062	36754	7998	6998	1.04	ABB/ABB	M
	PCB 181 (BZ)	43:32	43:38	-6	2965	2356	483	464	1.26 *	ABB/ABV	RM
	PCB 173 (BZ)	43:48	43:54	-6	40009	38620	8187	8230	1.04	ABB/AVB	M
	PCB 172 (BZ)	45:22	45:29	-7	25137	22811	5551	5234	1.10	ABB/ABB	M
	PCB 193 (BZ)	46:01	46:03	-2	463118	433151	83967	81300	1.07	ABV/ABV	D
	PCB 191 (BZ)	46:21	46:30	-9	8492	9654	1793	1363	0.88 *	AVB/AVB	RM
	PCB 170 (BZ)	47:23	47:28	-5	131618	126487	25174	23328	1.04	ABB/ABB	M
	PCB 190 (BZ)	47:52	47:57	-5	55310	50563	9271	8331	1.09	ABB/ABB	M
	PCB 189 (BZ)	50:32	50:31	1	7002	5973	1599	1049	1.17	MBB/MBB	
406					405.8428	407.8398	405.8428	407.8398	0.89-1.21		
	Noise	00:00	00:00	0	138	130	55	52	1.06	/	
	13C12-PCB 188	37:50	37:56	-6	827062	780019	163539	157568	1.06	ABV/ABV	
	13C12-PCB 178	40:54	41:01	-7	542007	508869	109799	102585	1.07	ABV/ABV	
	13C12-PCB 180	45:59	46:06	-7	765230	712548	140345	134984	1.07	ABV/ABV	
	13C12-PCB 170	47:21	47:26	-5	522338	499276	101647	96638	1.05	AVV/ABV	
	13C12-PCB 189	50:31	50:29	2	797647	753781	132897	125596	1.06	ABV/ABV	
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	Noise	00:00	00:00	0	68	73	27	29	0.93	/	
	PCB 202 (BZ)	43:12	43:19	-7	23718	28882	4869	5482	0.82	ABB/ABB	M
	PCB 200 (BZ)/201 (IUPAC	44:06	44:15	-9	4742	5440	1084	1215	0.87	ABB/ABB	M
	PCB 197 (BZ)	44:59	45:07	-8	2289	2643	620	625	0.87	ABB/ABB	M
	PCB 198 (BZ)	47:58	48:01	-3	66796	76348	12153	13489	0.87	ABB/ABV	D
	PCB 196 (BZ)	48:37	48:44	-7	18046	19661	3576	3931	0.92	ABV/ABV	M
	PCB 203 (BZ)	48:47	48:54	-7	46780	54307	8921	9547	0.86	AVB/AVV	DM
	PCB 195 (BZ)	50:14	50:15	-1	18661	20366	2999	4164	0.92	ABB/ABB	D
	PCB 194 (BZ)	52:43	52:35	8	32913	34107	4546	4579	0.96	ABB/ABB	M
	PCB 205 (BZ)	53:12	53:03	9	3032	2793	552	464	1.09 *	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 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	J7V9M1AA	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9m.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99753	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 15:25	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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

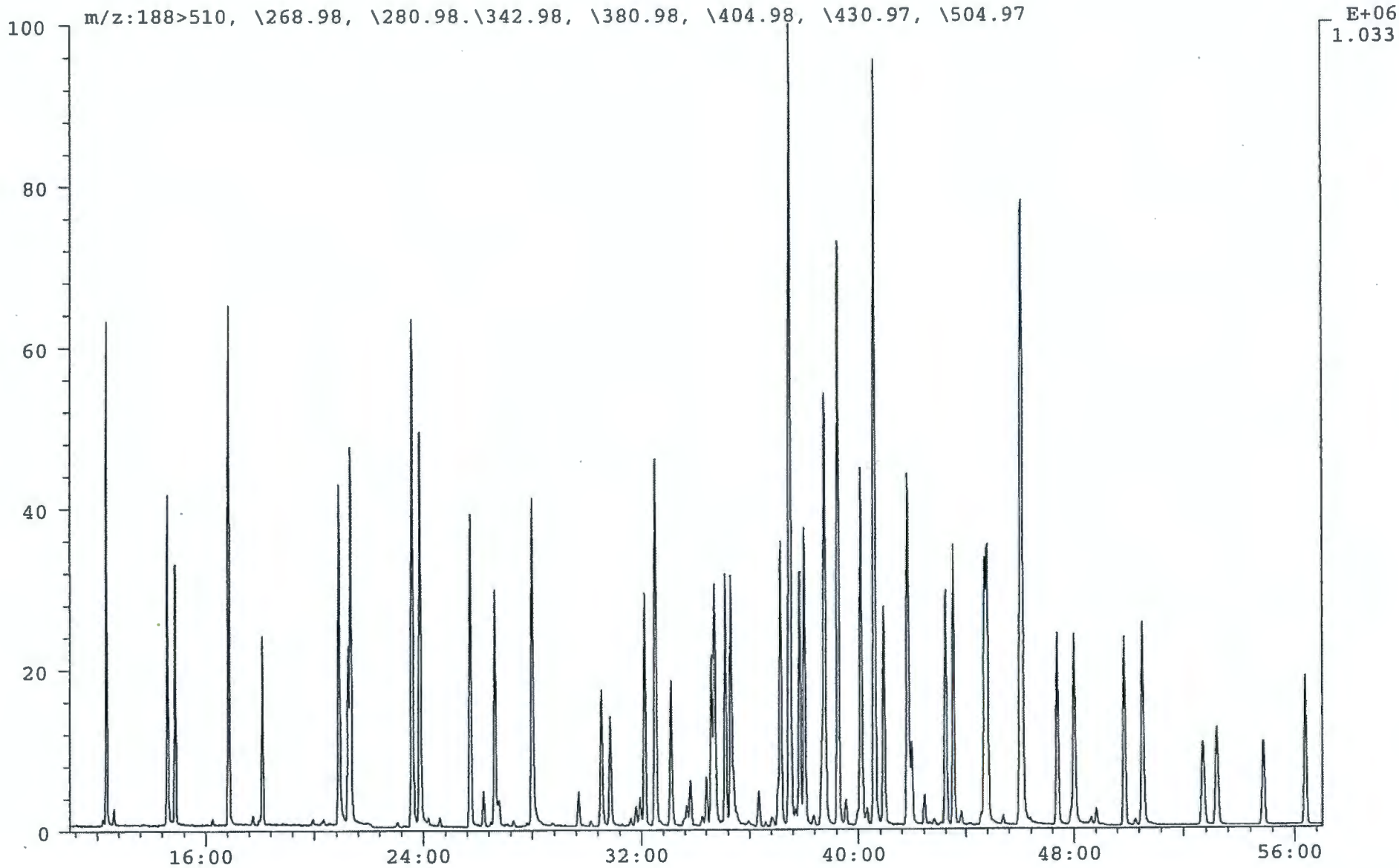
View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
440					**439.8038**	**441.8008**	**439.8038**	**441.8008**	**0.76-1.02**		
	Noise	00:00	00:00	0	93	103	37	41	0.90	/	
	13C12-PCB 202	43:11	43:18	-7	656505	728067	130888	142603	0.90	ABV/ABV	D
	13C12-PCB 194	52:41	52:34	7	342432	375297	47048	47990	0.91	ABV/ABV	
	13C12-PCB 205	53:10	53:01	9	412763	453087	59799	64945	0.91	AVV/AVV	
462					**461.7246**	**463.7216**	**461.7246**	**463.7216**	**0.65-0.89**		
	Noise	00:00	00:00	0	38	50	15	20	0.75	/	
	PCB 208 (BZ)	49:50	49:58	-8	8960	11585	1840	1936	0.77	ABB/ABB	TM
	PCB 207 (BZ)	50:48	50:54	-6	1447	2621	305	510	0.55 *	ABB/ABB	RM
	PCB 206 (BZ)	54:53	54:45	8	15474	19831	2937	3489	0.78	ABB/ABB	M
474					**473.7648**	**475.7619**	**473.7648**	**475.7619**	**0.65-0.89**		
	Noise	00:00	00:00	0	68	58	27	23	1.17 *	/	
	13C12-PCB 208	49:50	49:57	-7	544909	687037	99142	123569	0.79	ABV/ABV	D
	13C12-PCB 206	54:51	54:44	7	255430	324540	39629	51806	0.79	ABB/ABB	
496					**495.6856**	**497.6826**	**495.6856**	**497.6826**	**0.59-0.79**		
	Noise	00:00	00:00	0	40	43	16	17	0.94 *	/	
	PCB 209 (BZ)	56:24	56:20	4	11764	16590	2265	2643	0.71	ABB/ABB	
508					**507.7258**	**509.7229**	**507.7258**	**509.7229**	**0.59-0.79**		
	Noise	00:00	00:00	0	70	105	28	42	0.67	/	
	13C12-PCB 209	56:22	56:19	3	384539	542876	67511	97936	0.71	ABB/ABV	

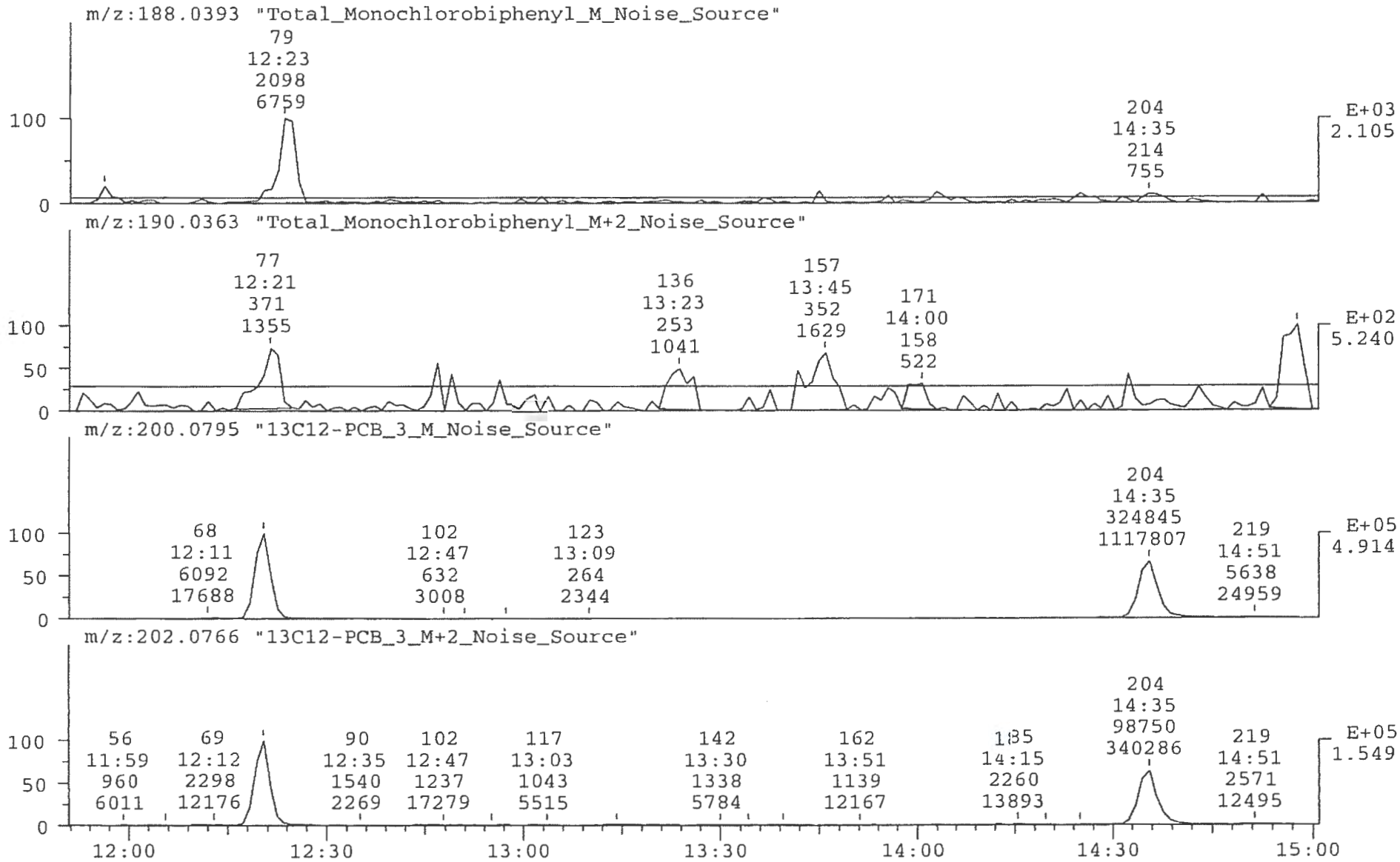
Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside comax limit D = peak outside RT Window W = peak outside first/last X = peak has dup match

CHRO: apj7v9m 12-Oct-07 Elapse: 11:01.0 1
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
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

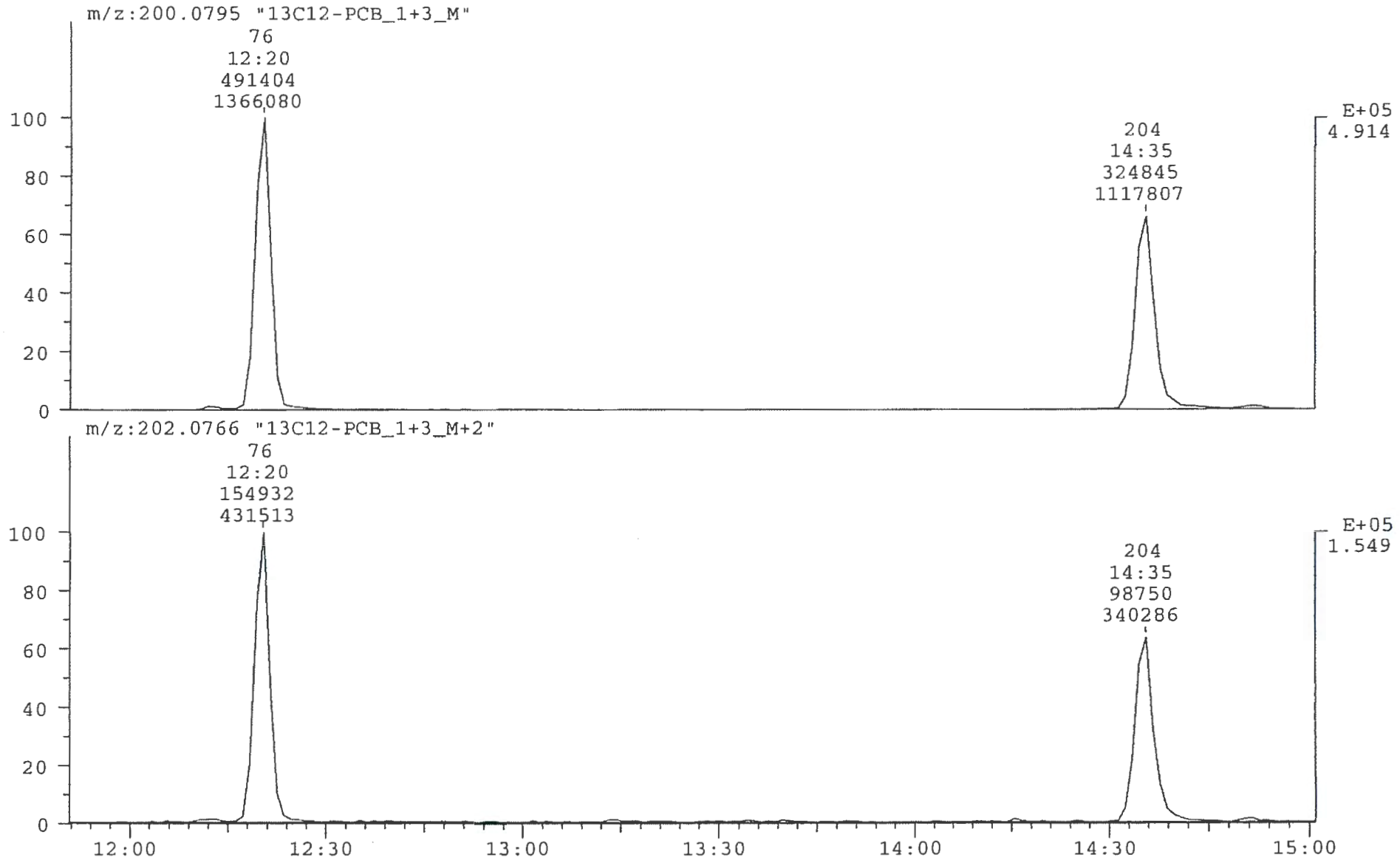
Int PMP 10-13-07
Calc KPW 10/15/07
QC(RLD) 10/16/07



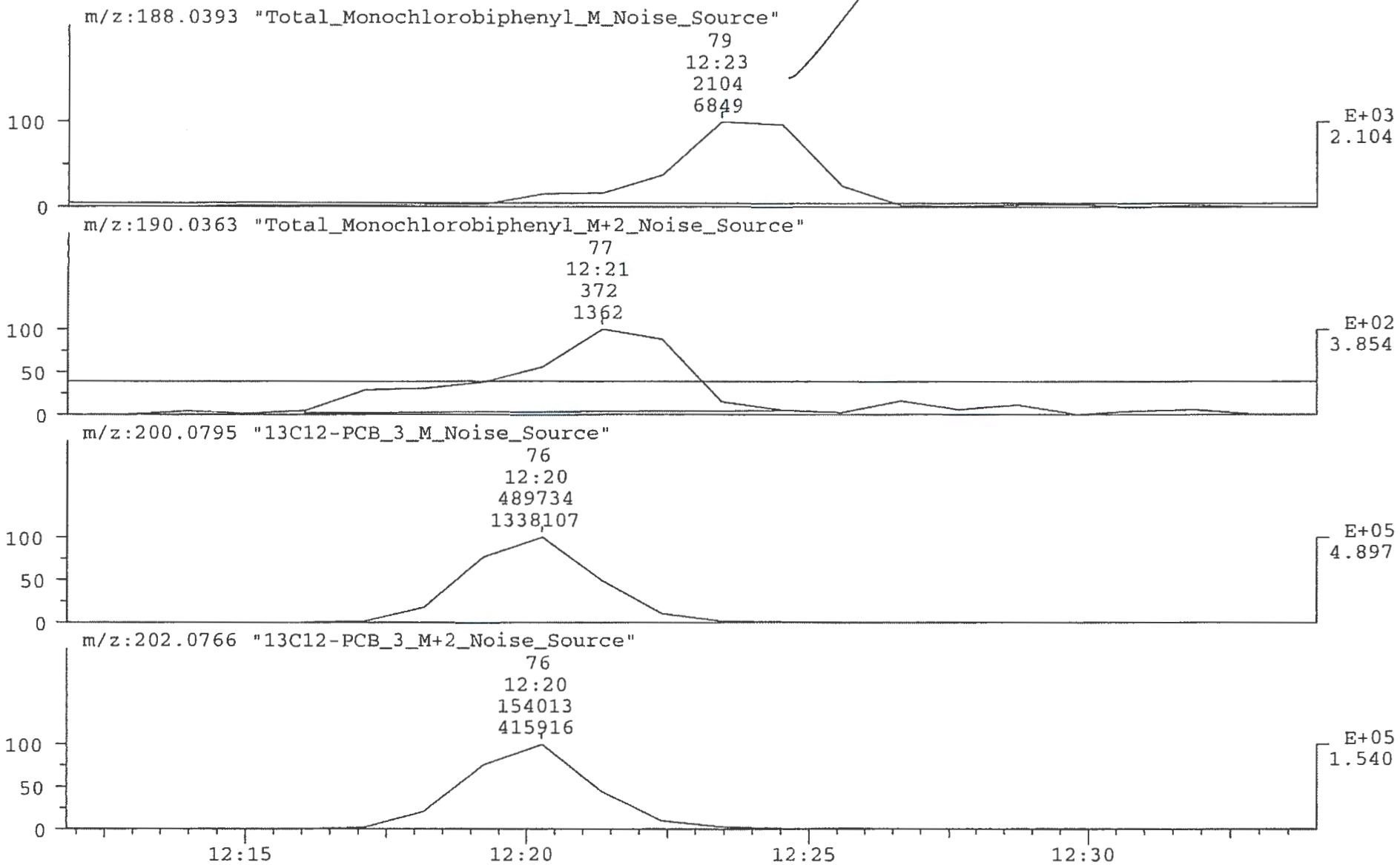
CHRO: apj7v9m 12-Oct-07 Elapse: 13:25.8 138
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070113i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 48 > 228 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



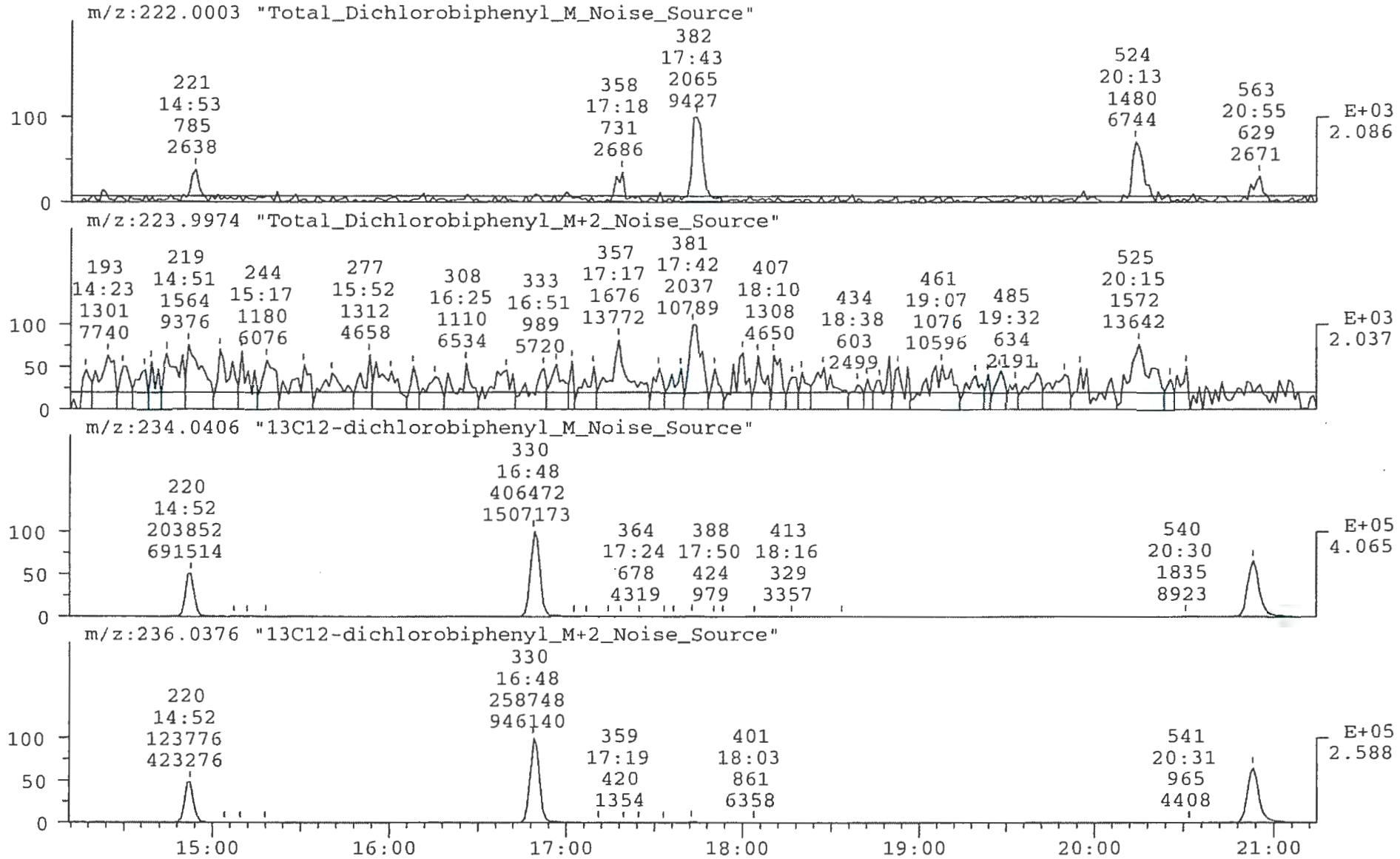
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  13:25.8      138
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
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
```



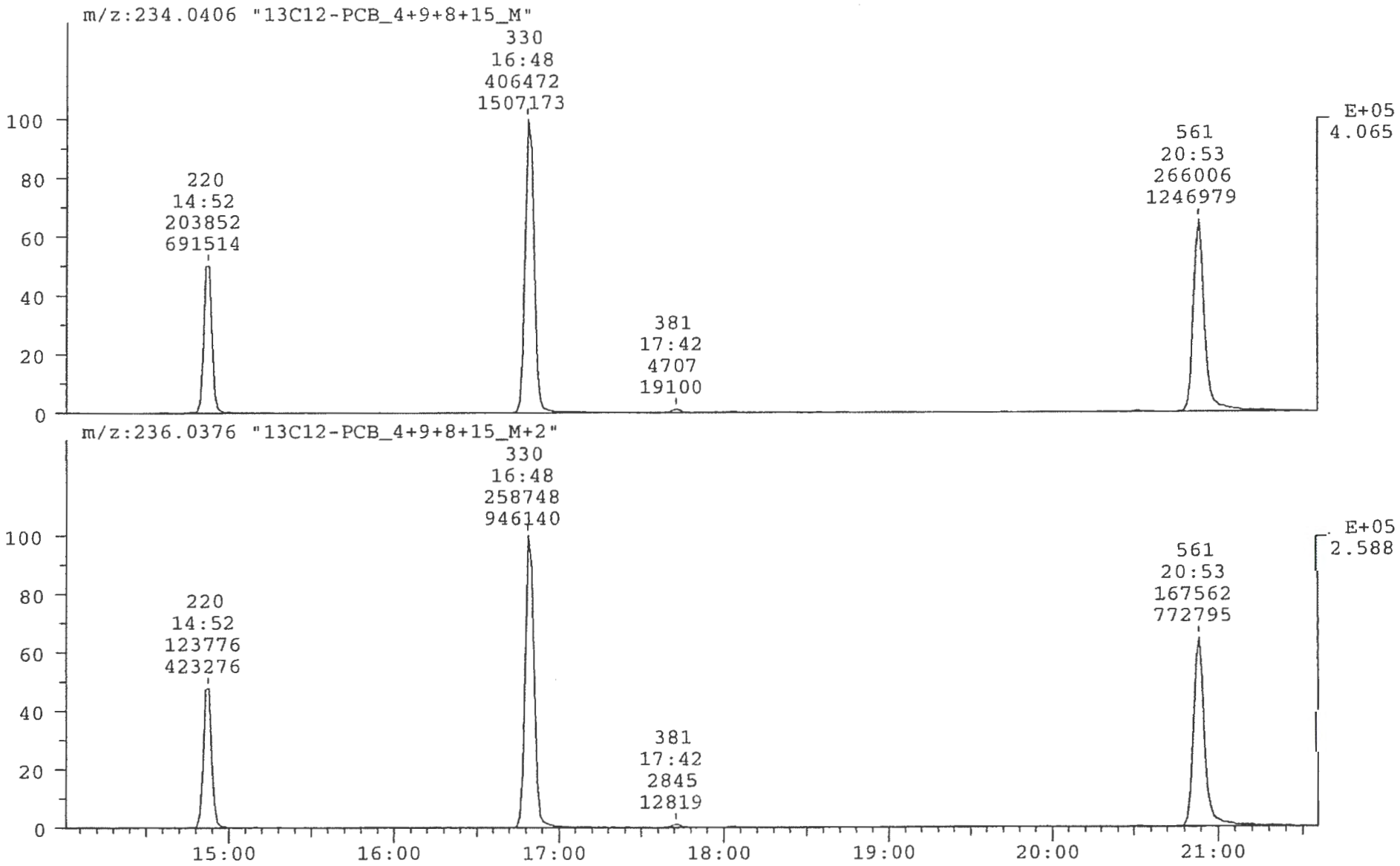
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   68 > 89             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



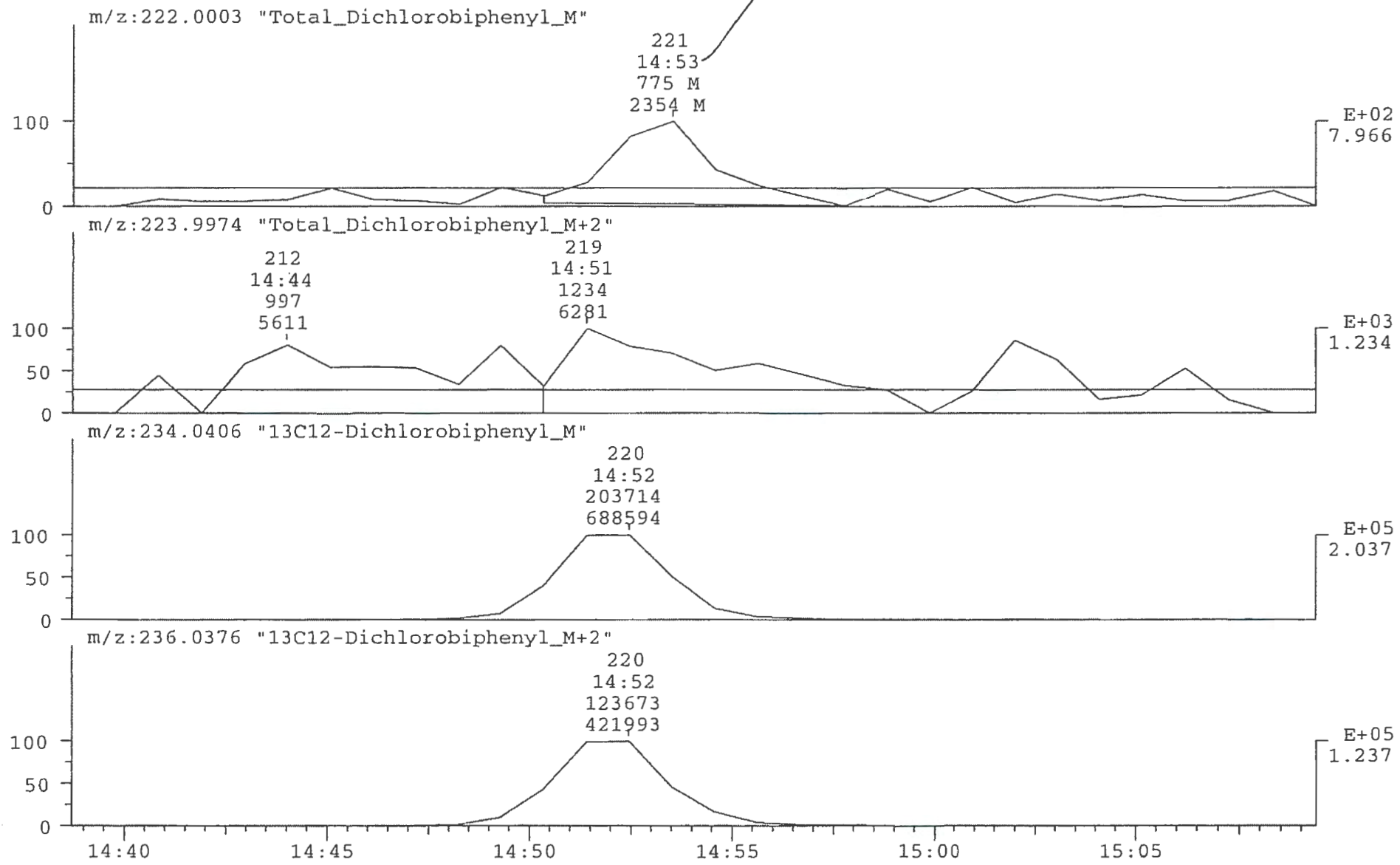
```
CHRO:  apj7v9m                                  12-Oct-07   Elapse:  17:42.6      381
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                   Start :  15:25:29    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001                Inlet :  GC     Vial  12
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
```



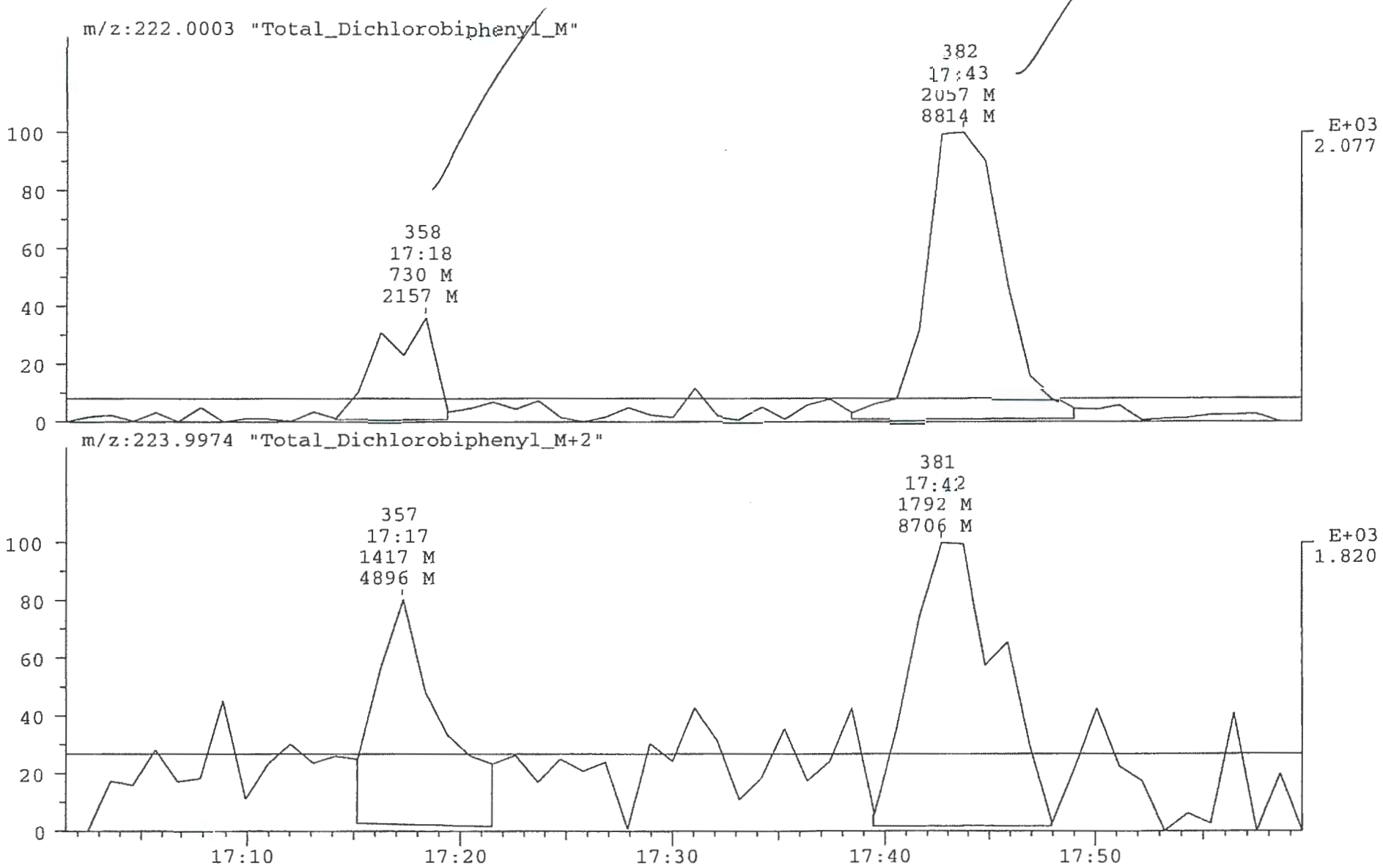
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  17:42.6      381
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
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
```



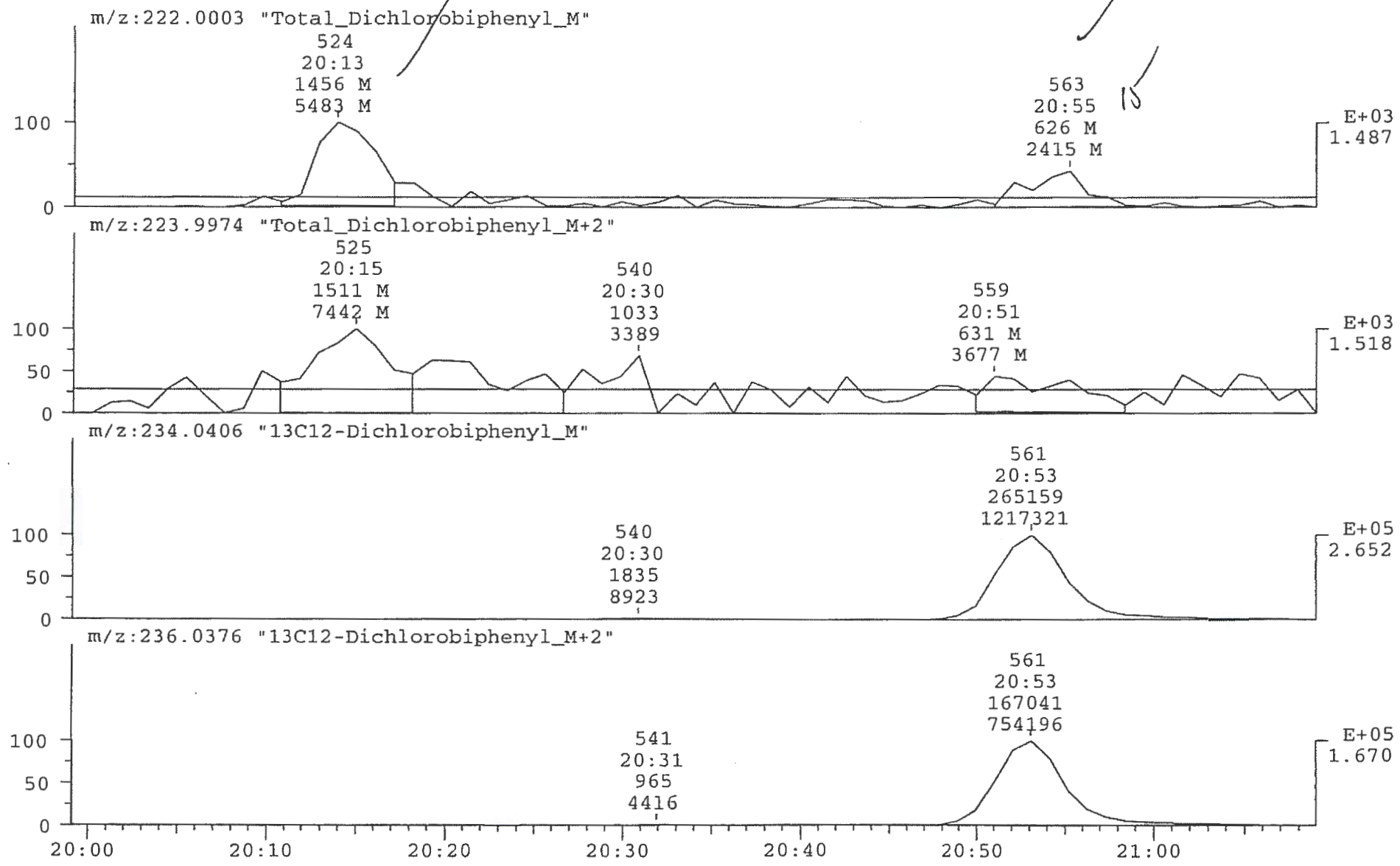
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 207 > 236 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



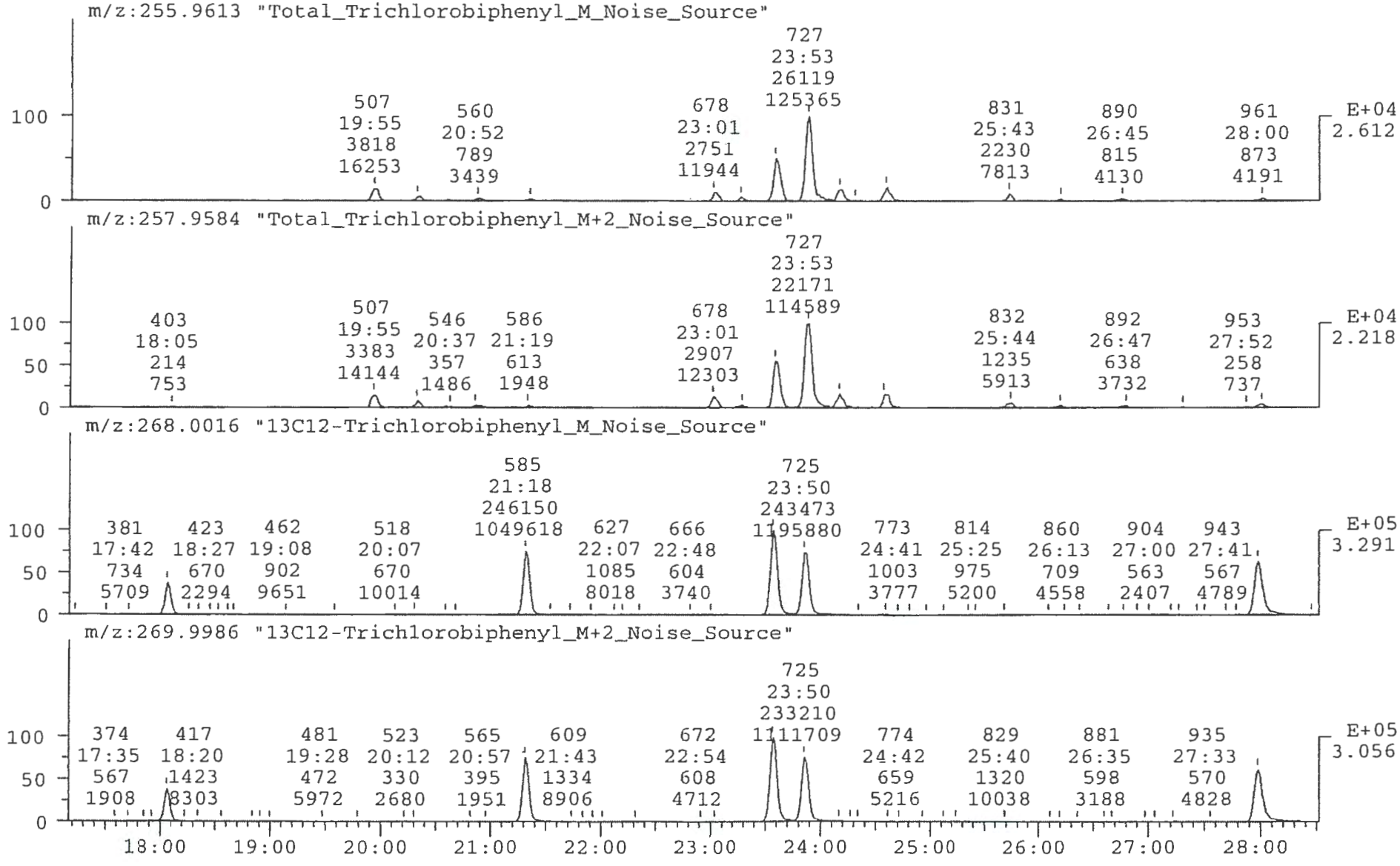
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 342 > 397 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



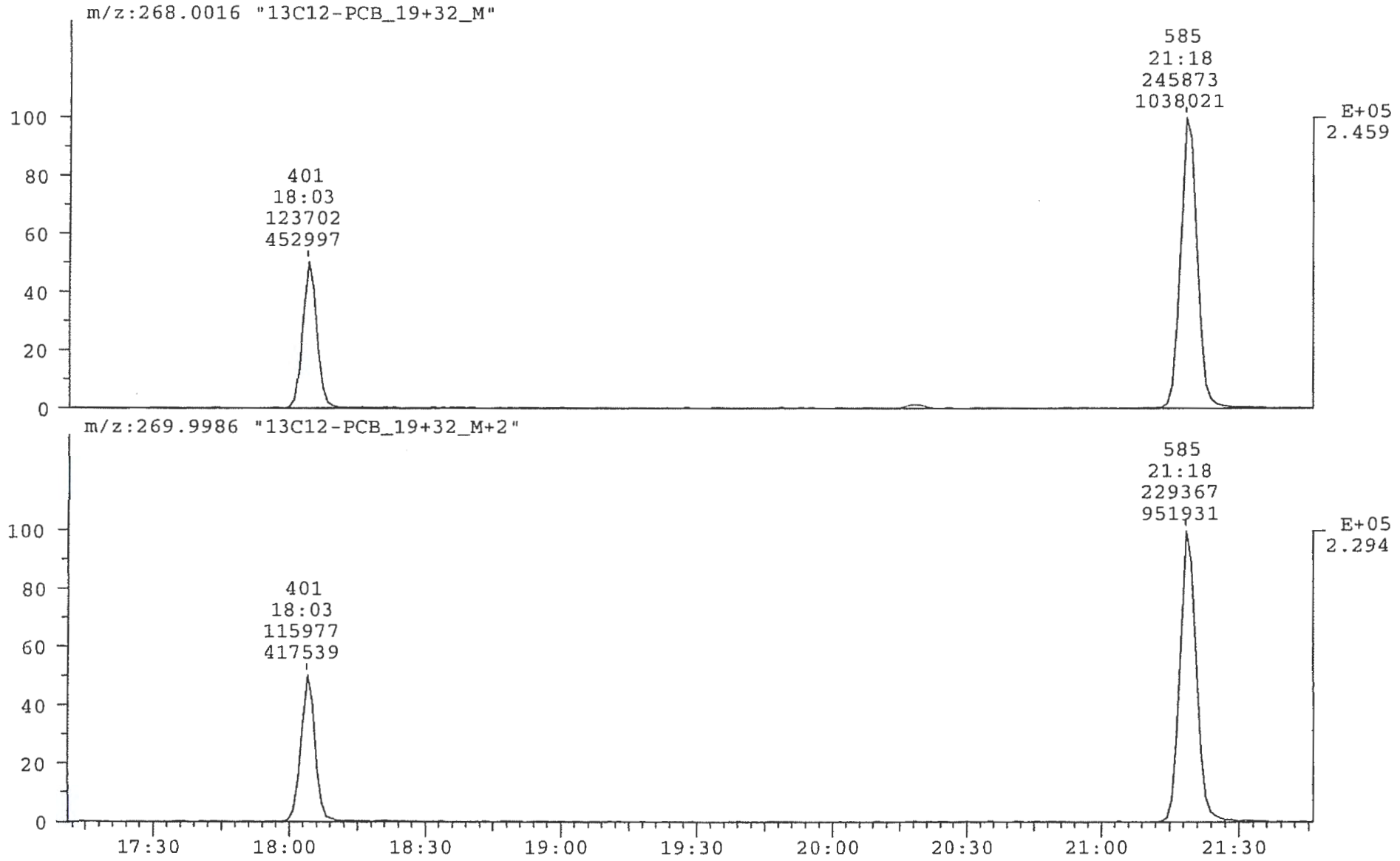
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 510 > 576 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



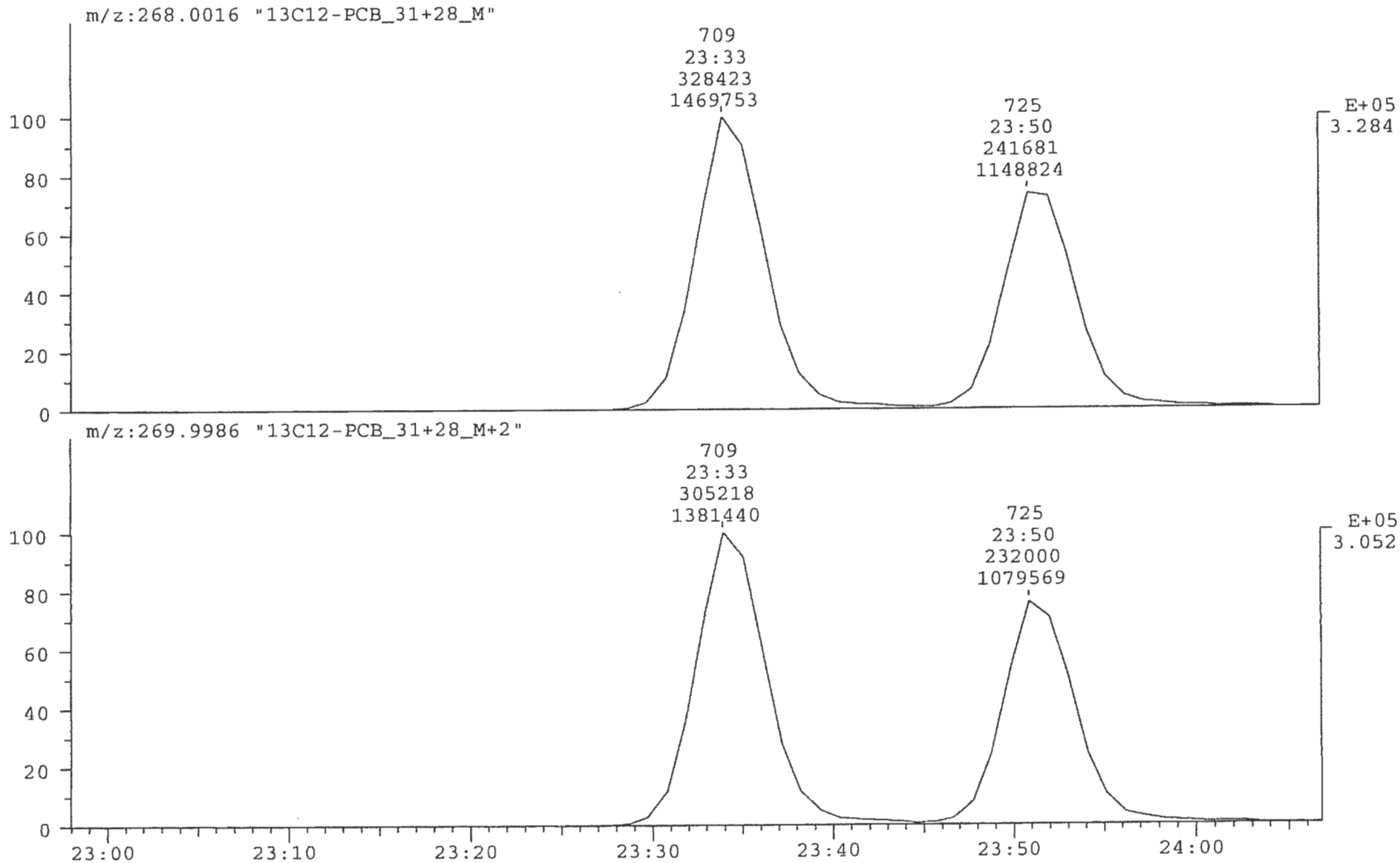
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  22:52.7      670
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC      Vial  12
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
```



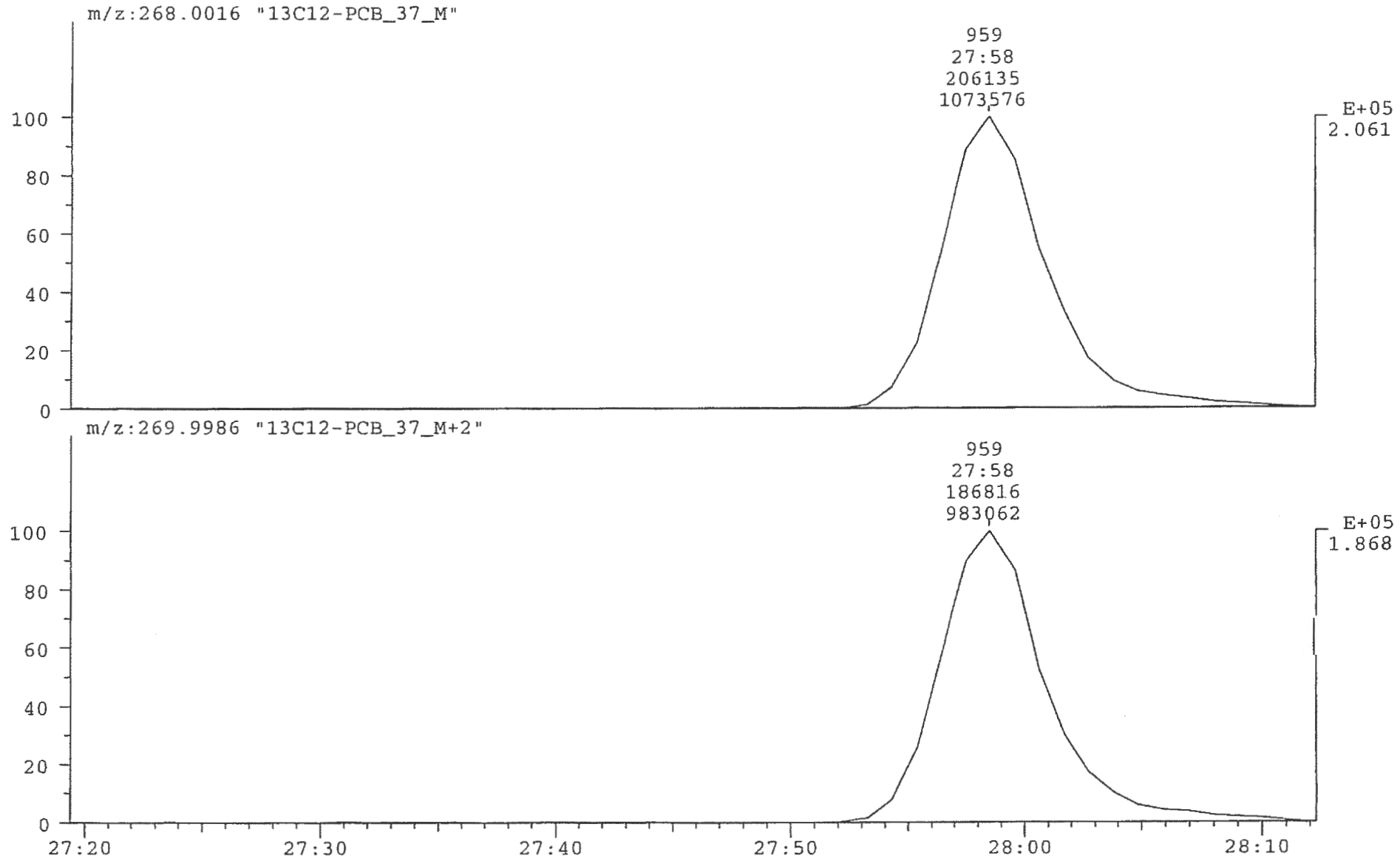
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  19:17.8      471
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
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
```



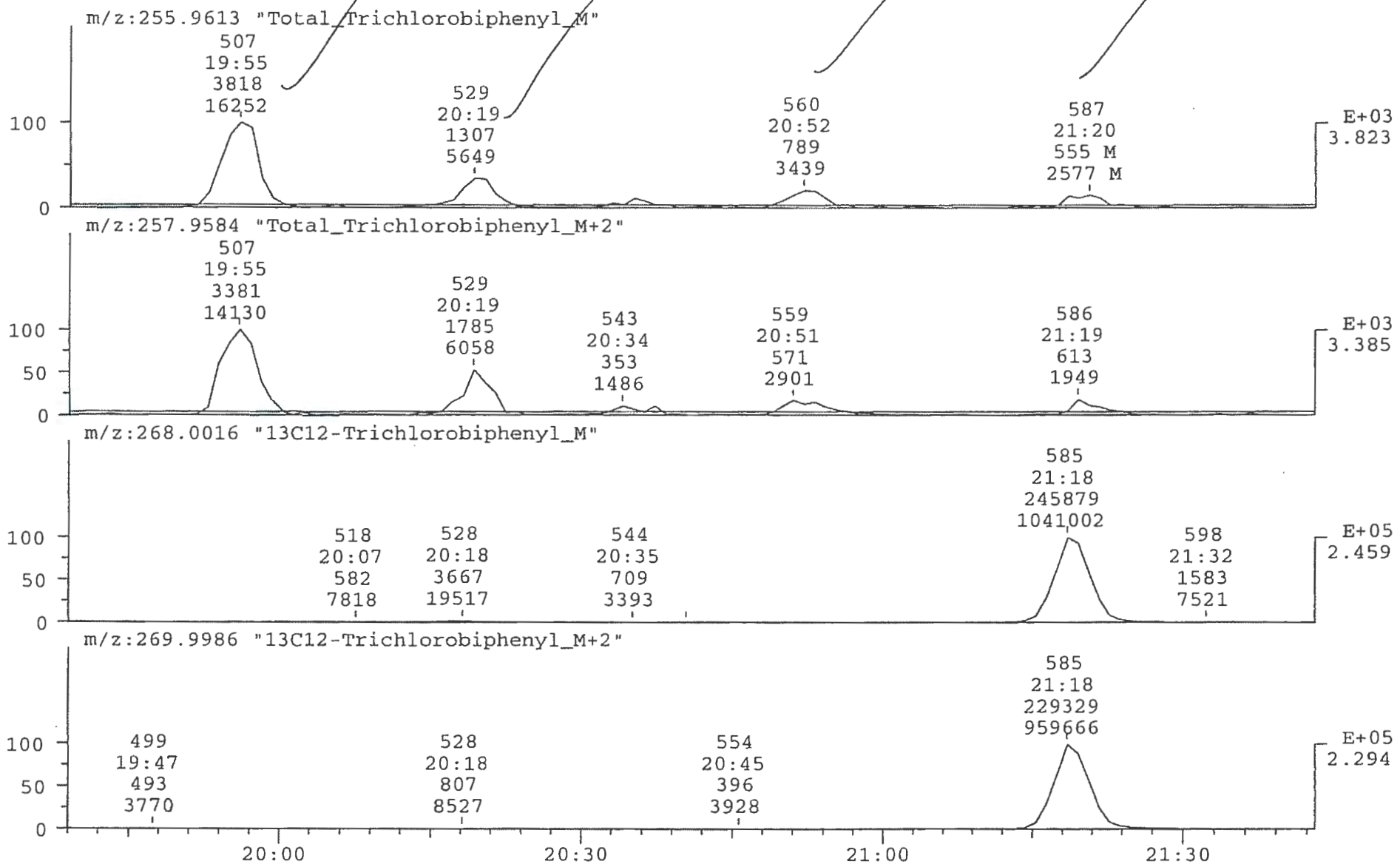
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  23:24.4      700
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
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
```



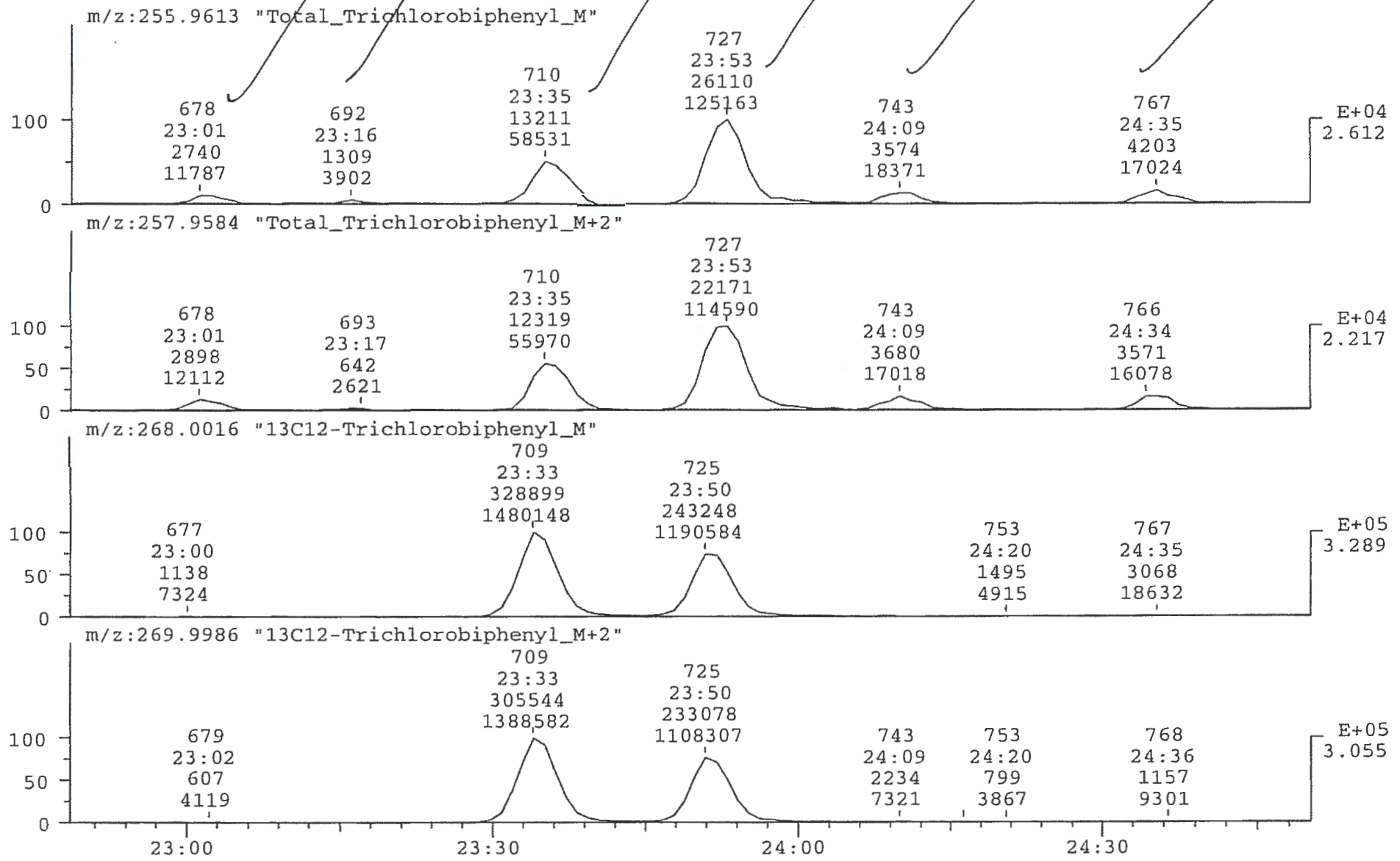
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  27:45.8      947
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC      Vial  12
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
```



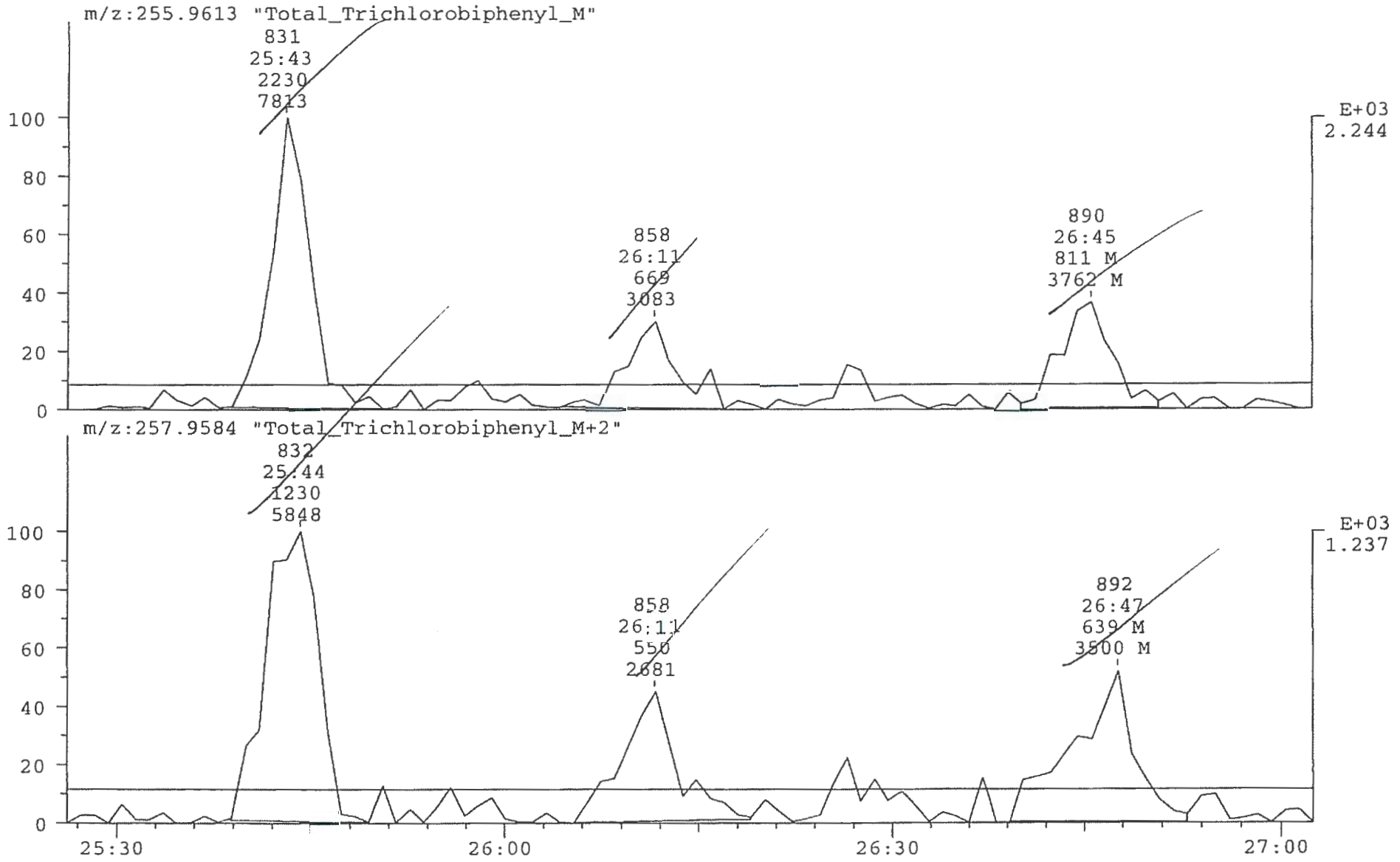
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 491 > 608 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



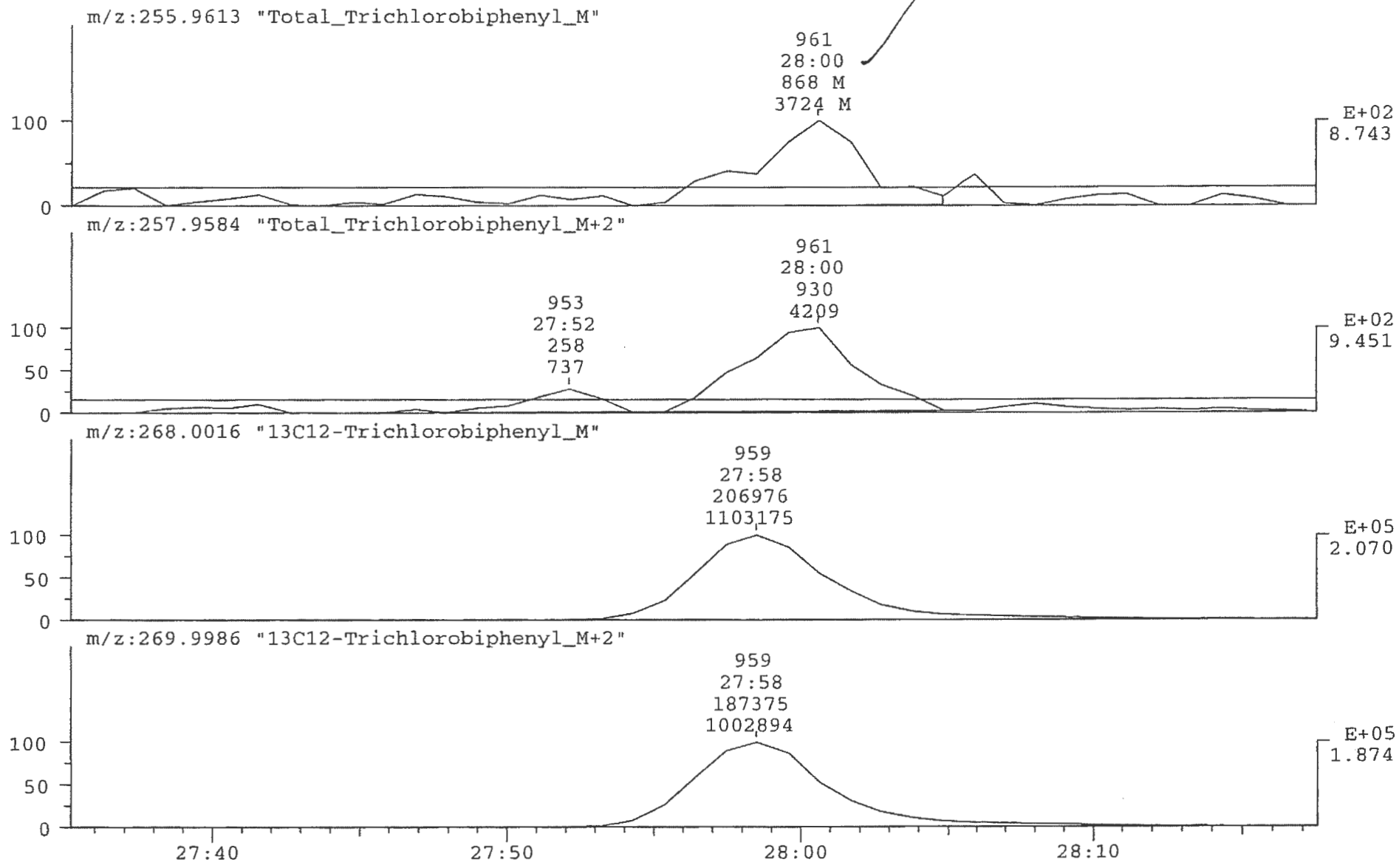
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 666 > 781 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



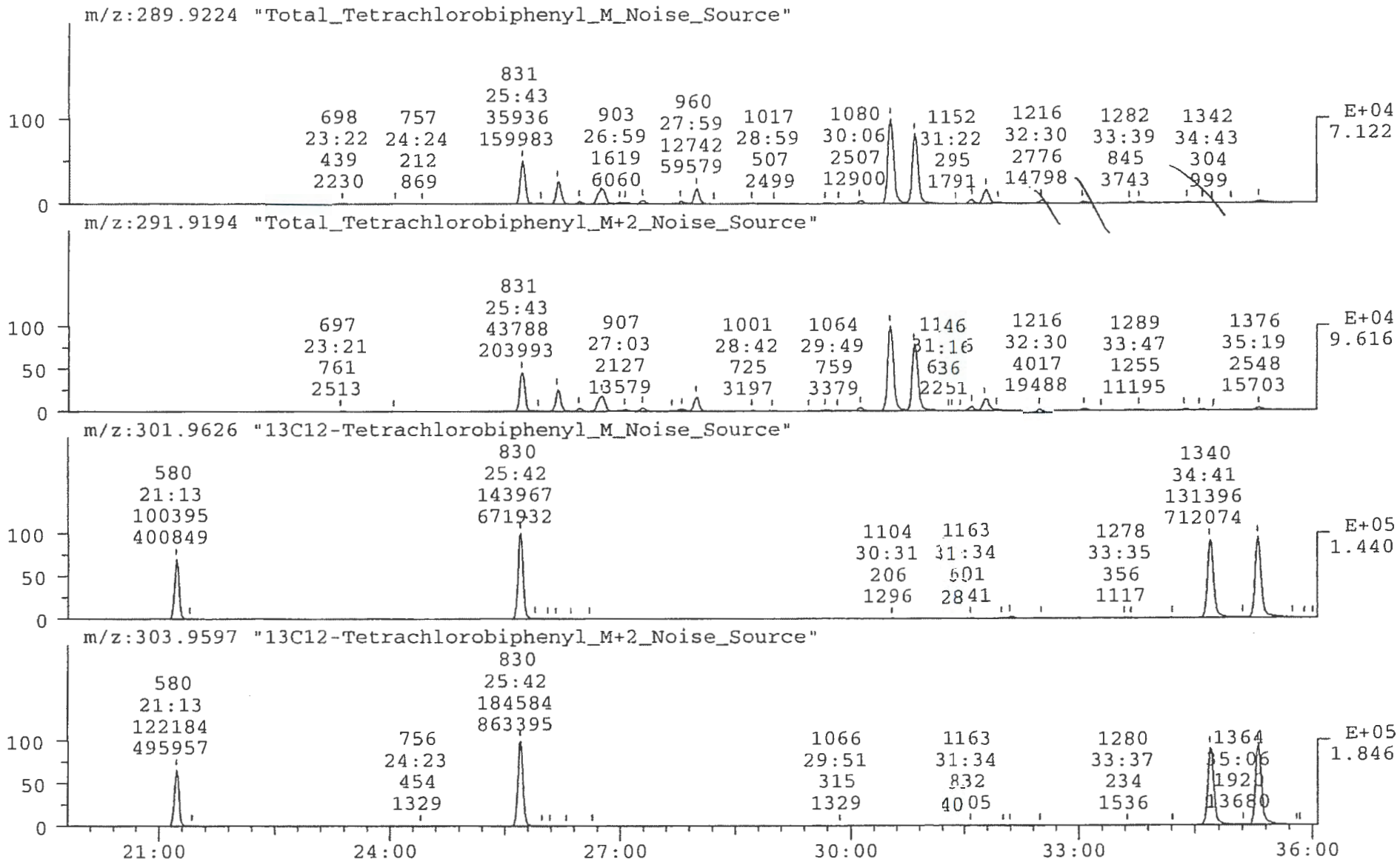
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   815 > 906           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



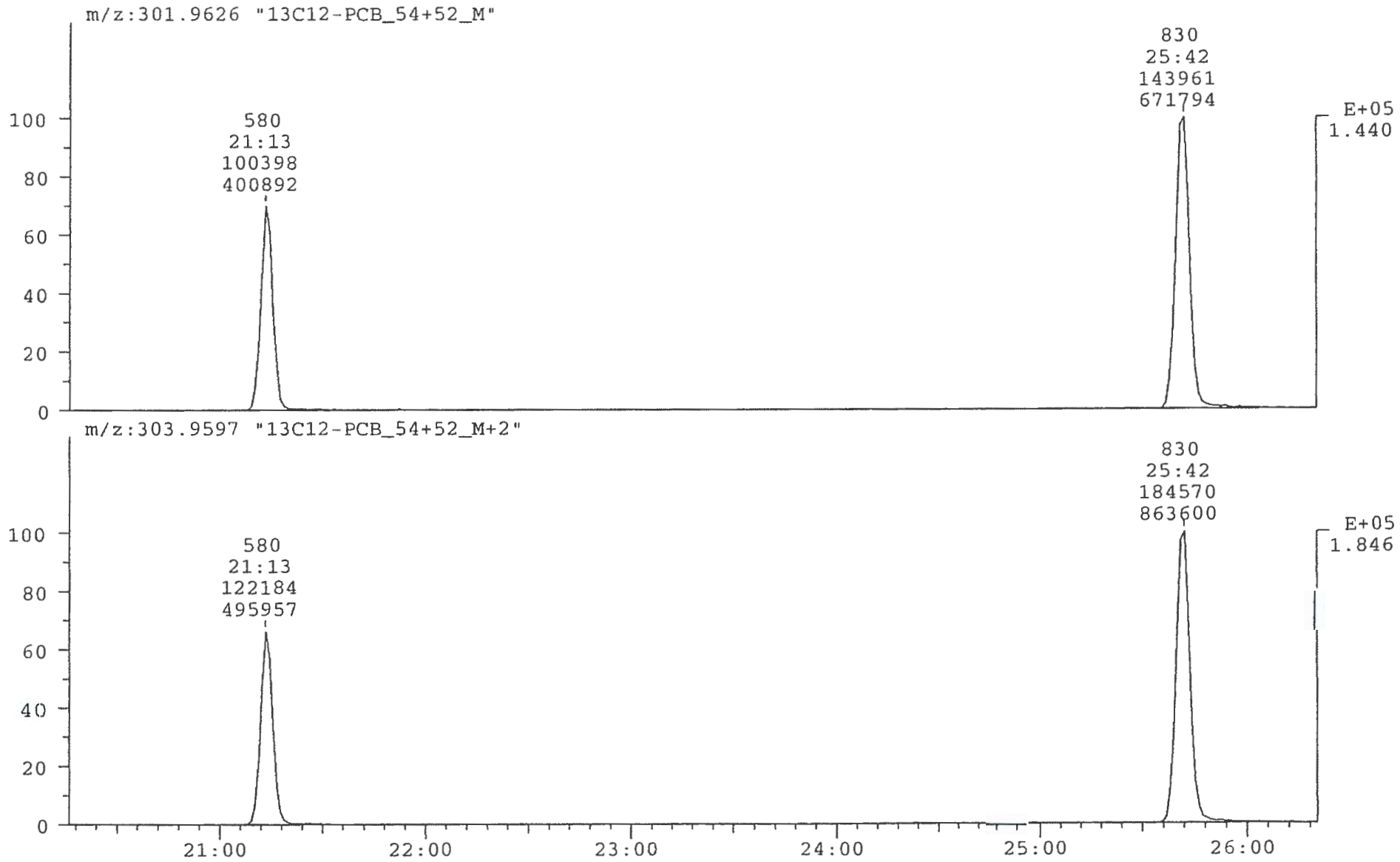
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   937 > 977           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



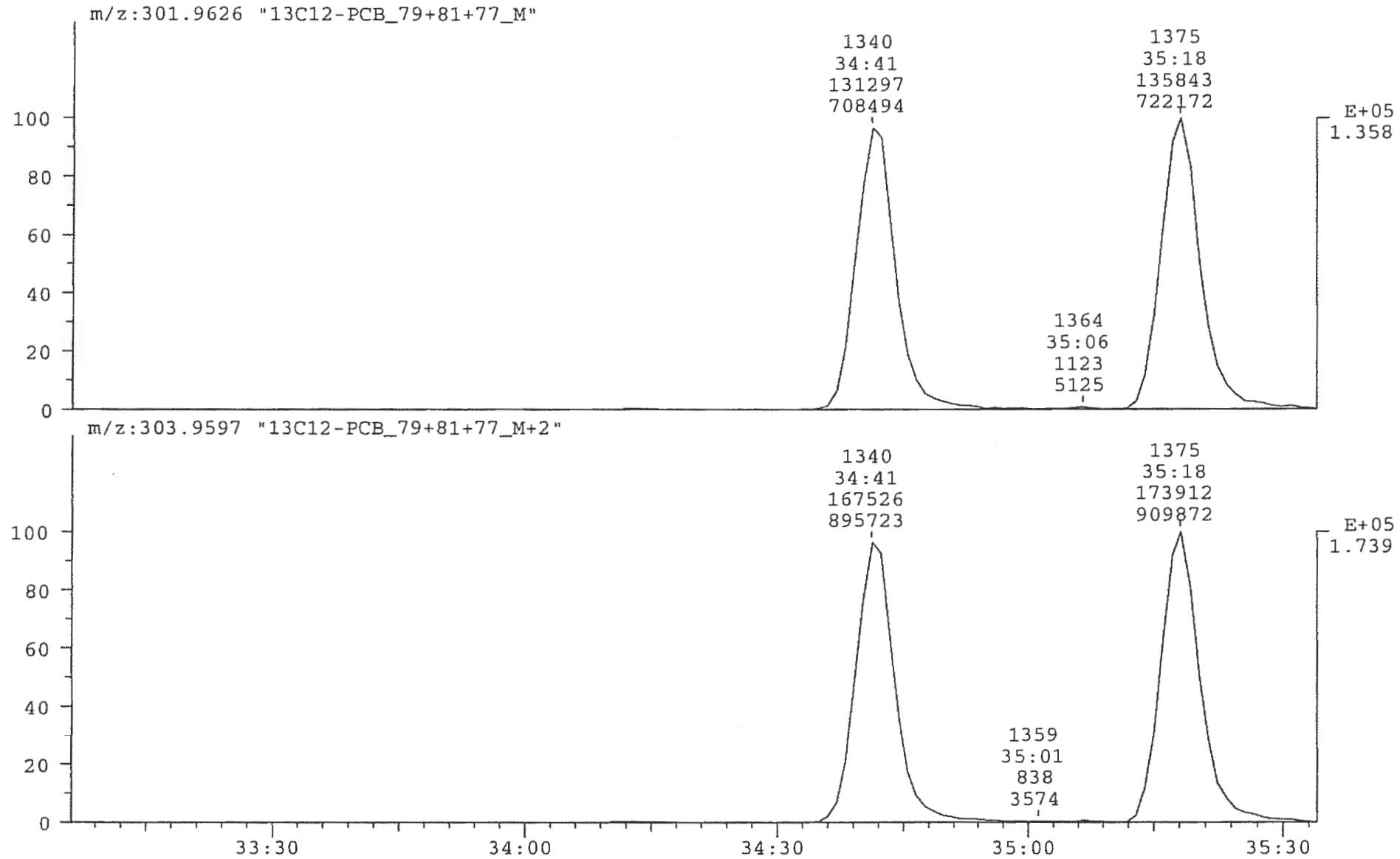
CHRO: apj7v9m 12-Oct-07 Elapse: 27:56.4 957
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 500 > 1418 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



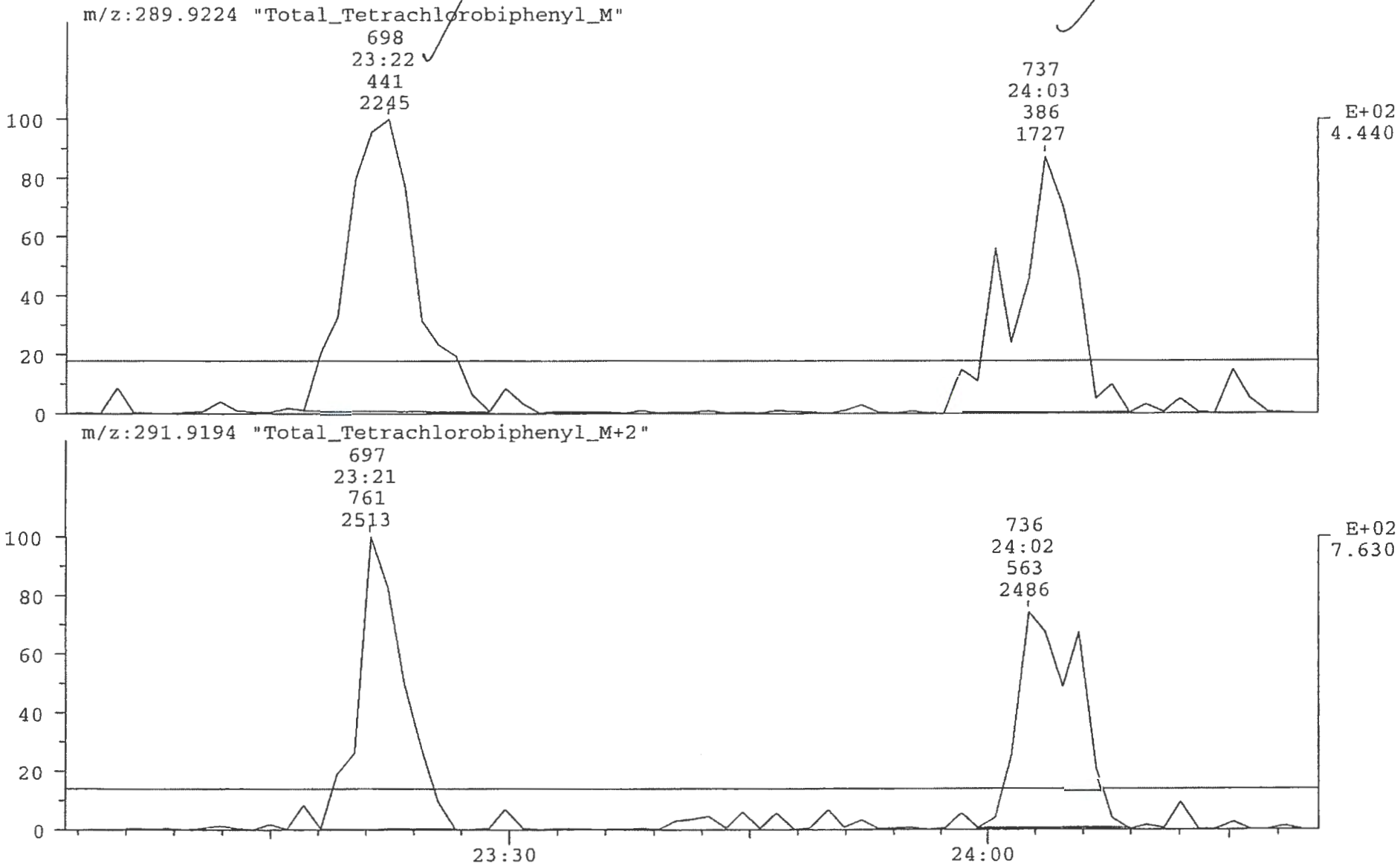
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  23:20.2      696
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
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
```



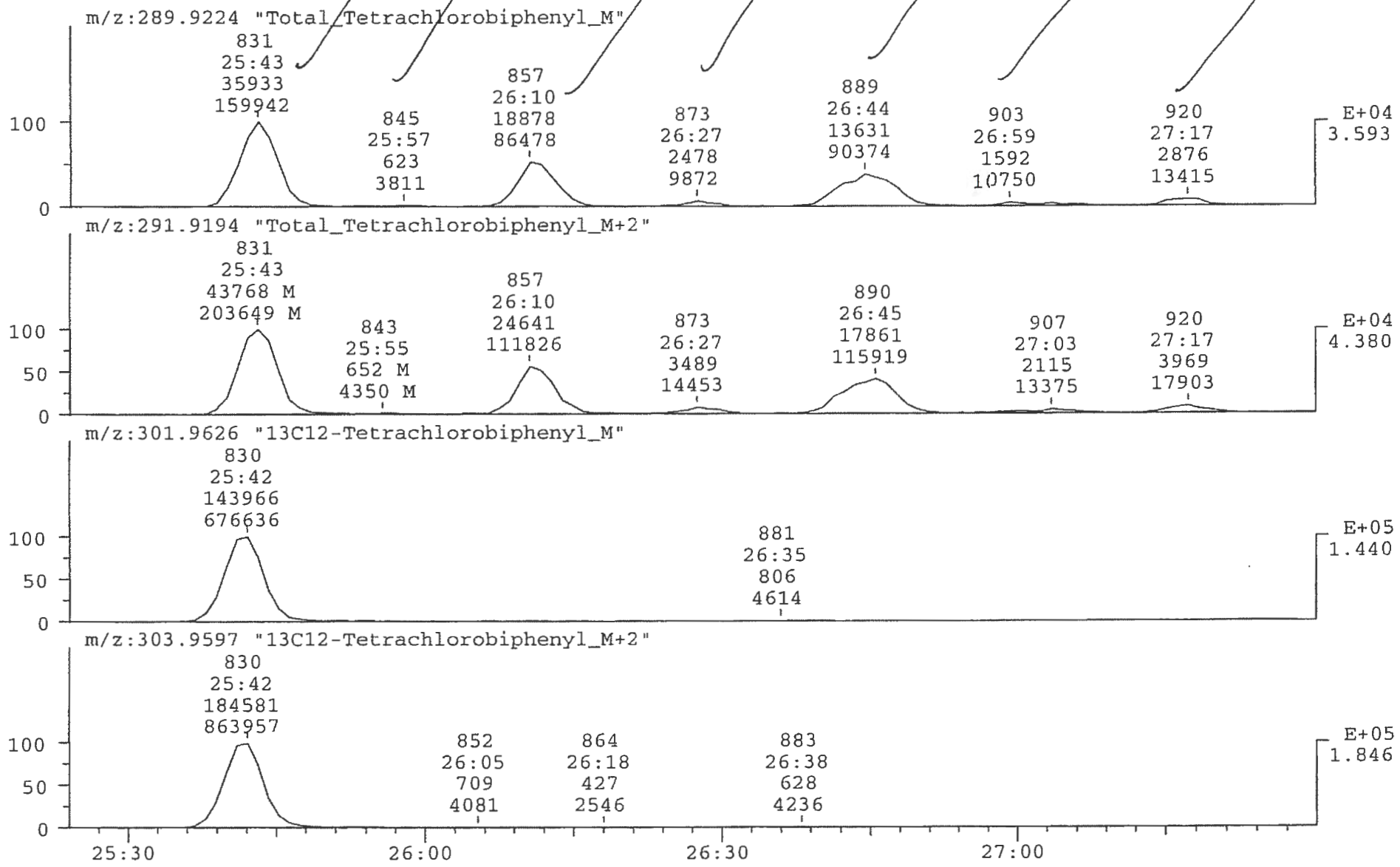
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  34:14      1315
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   1250 > 1390         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



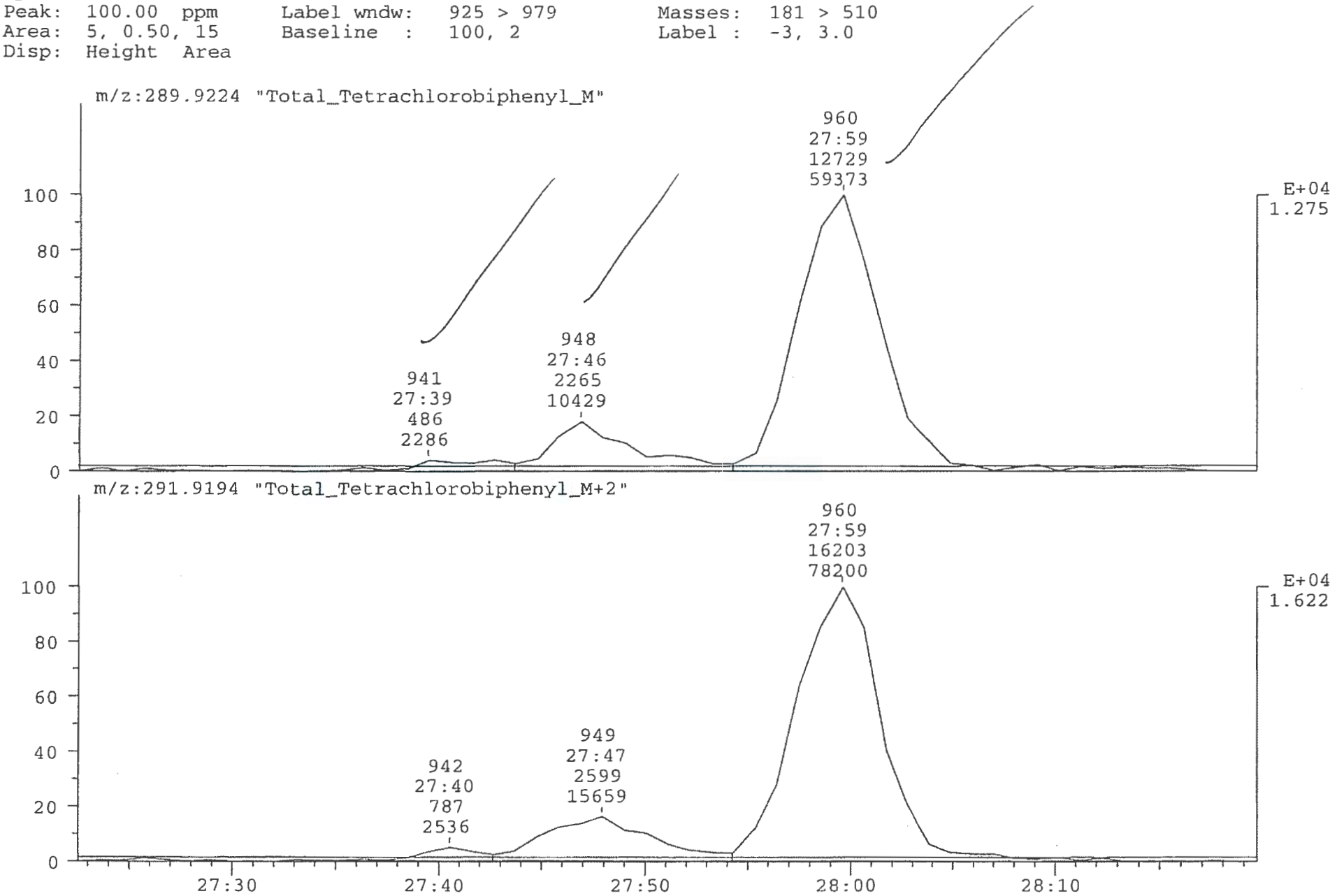
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 679 > 753 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



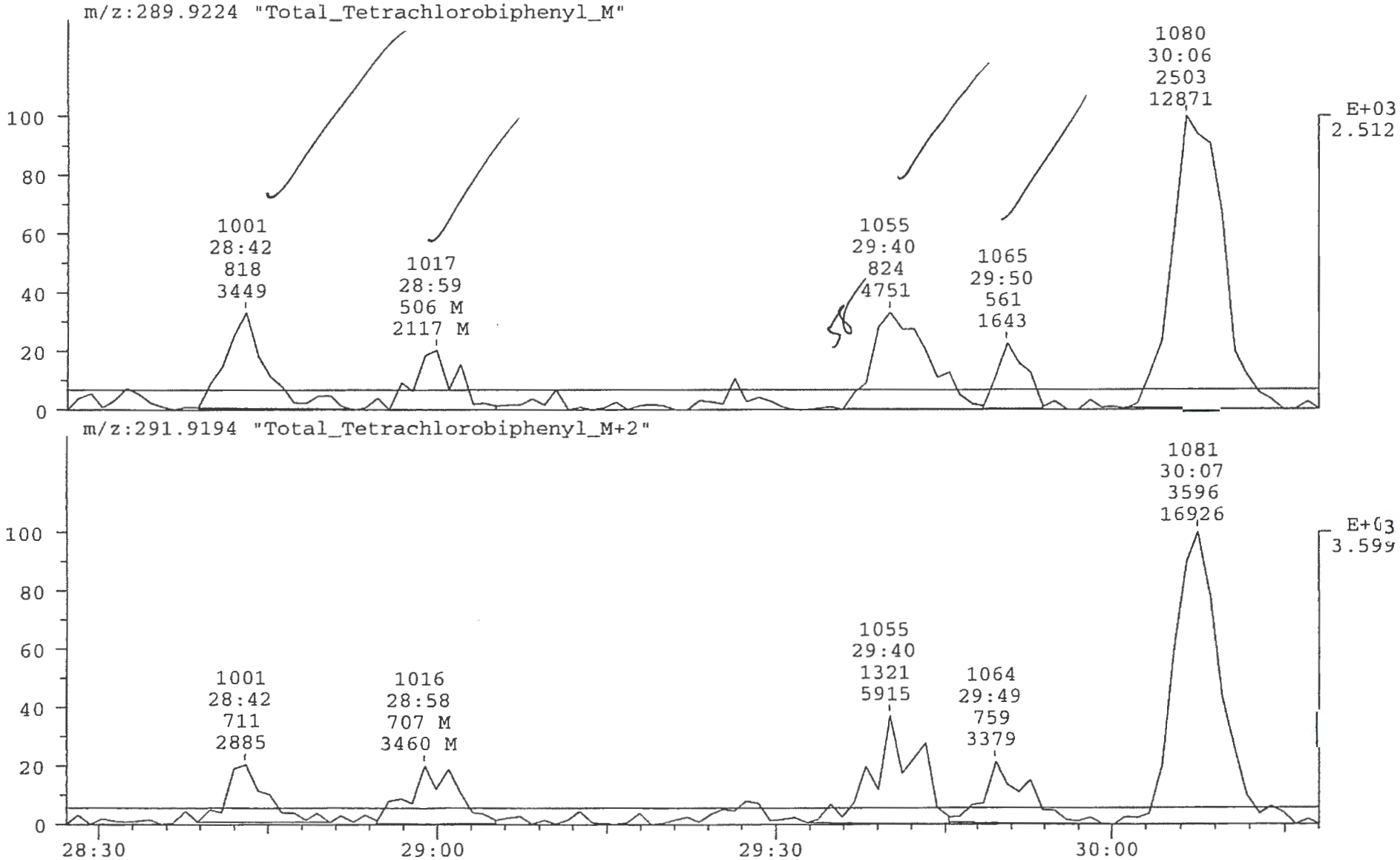
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 813 > 932 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 5 Label : -3, 3.0
Disp: Height Area



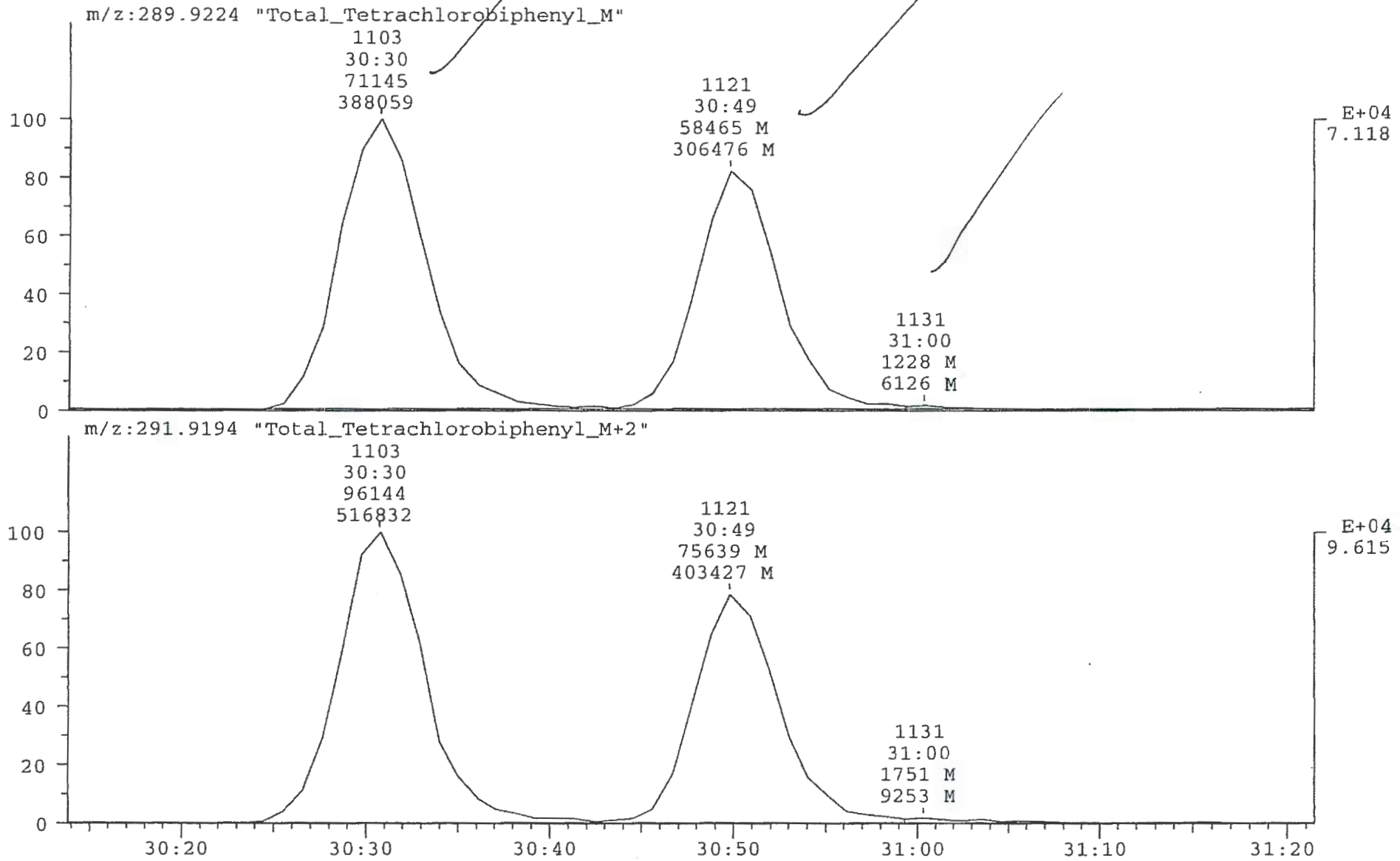
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   925 > 979           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 2              Label :  -3, 3.0
Disp:  Height  Area
```



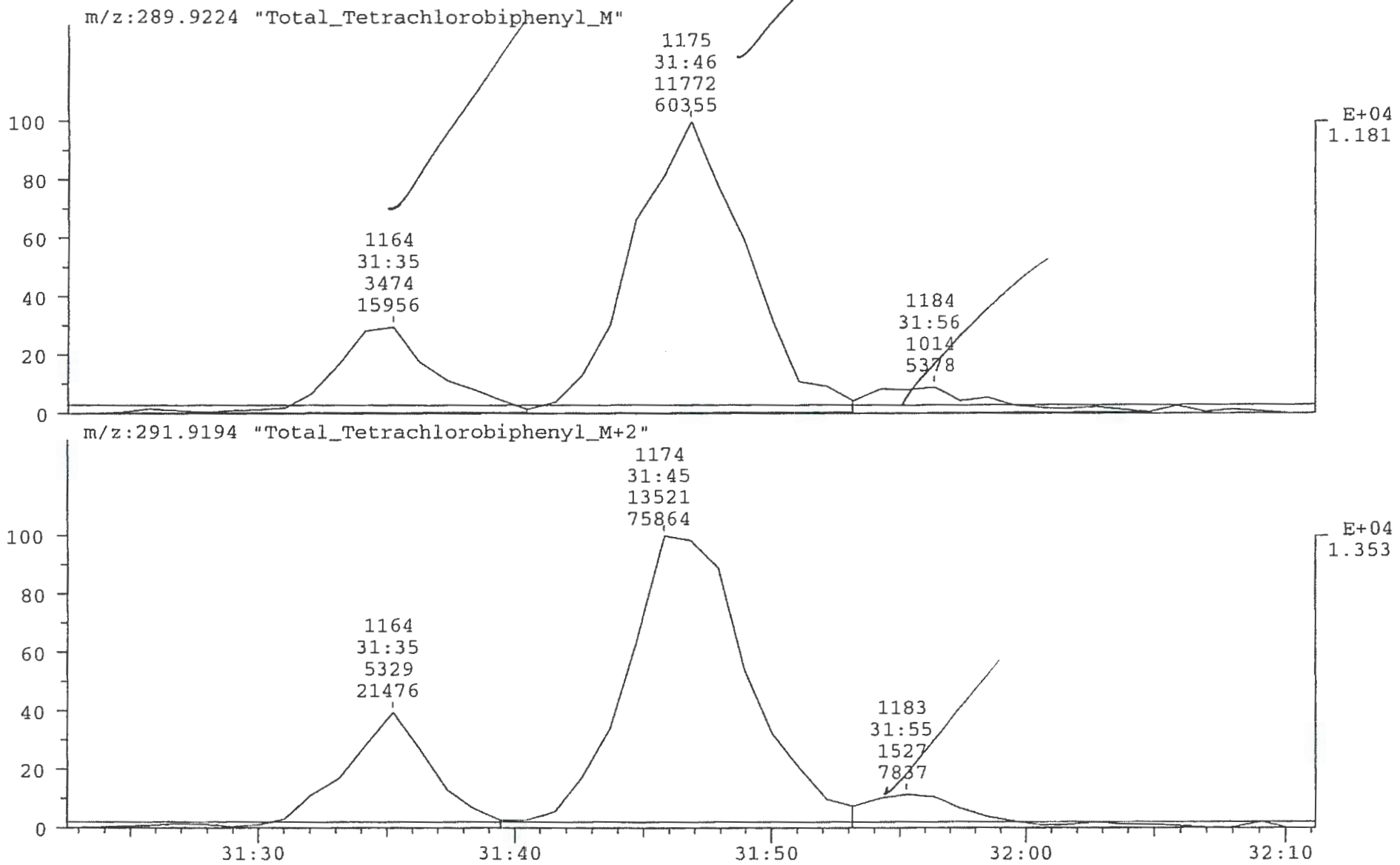
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 986 > 1091 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



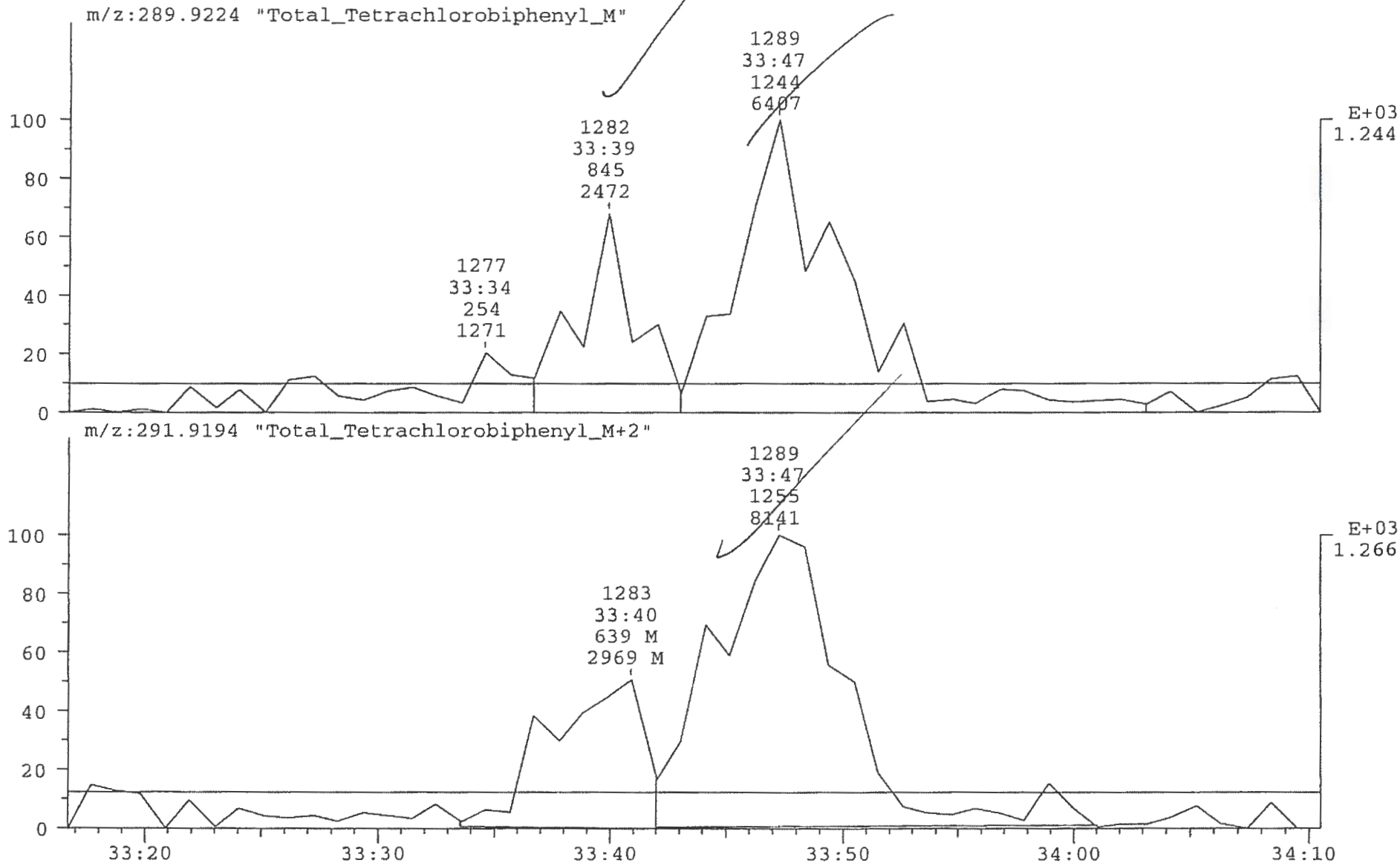
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   1087 > 1151         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



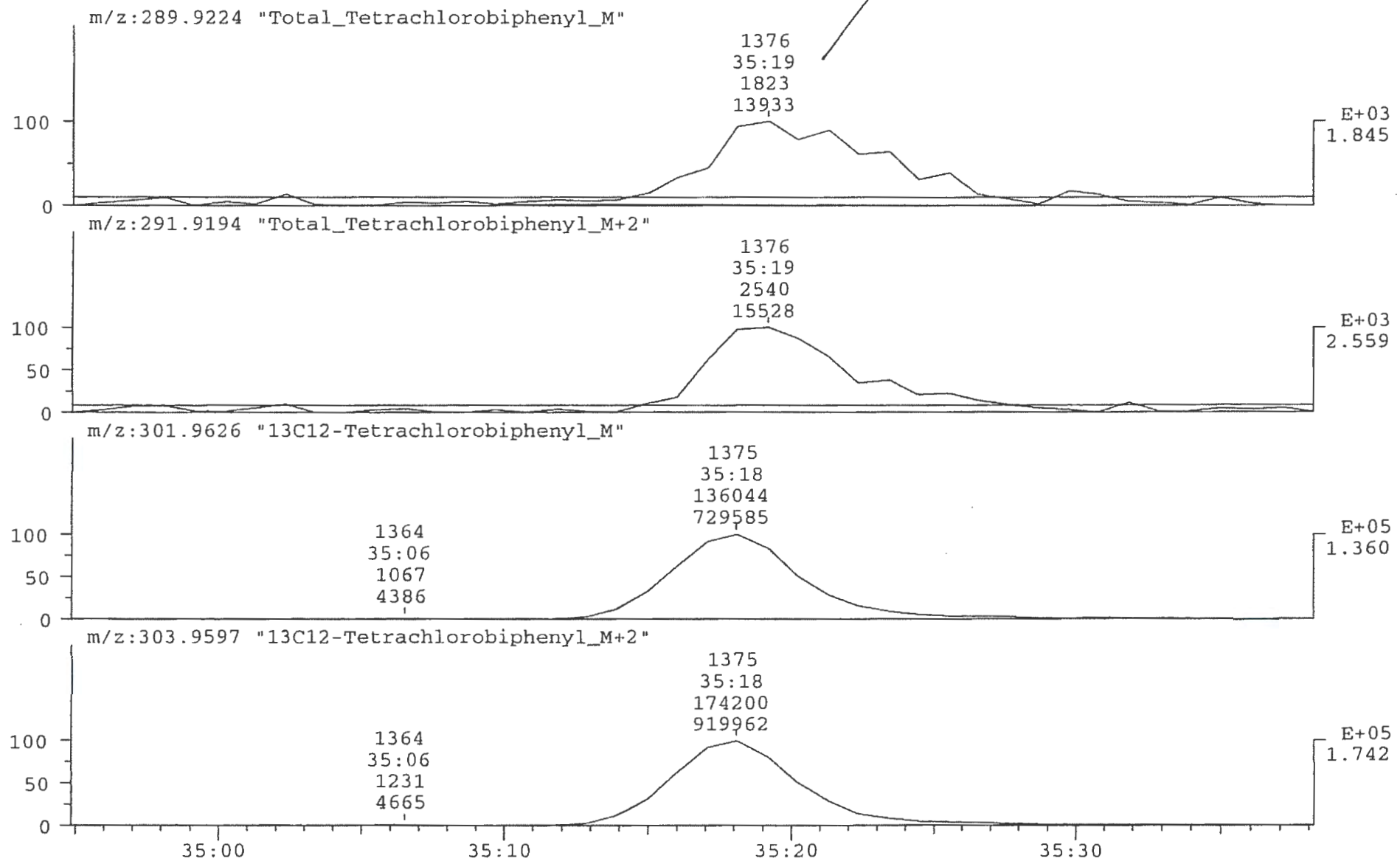
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   1152 > 1198         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



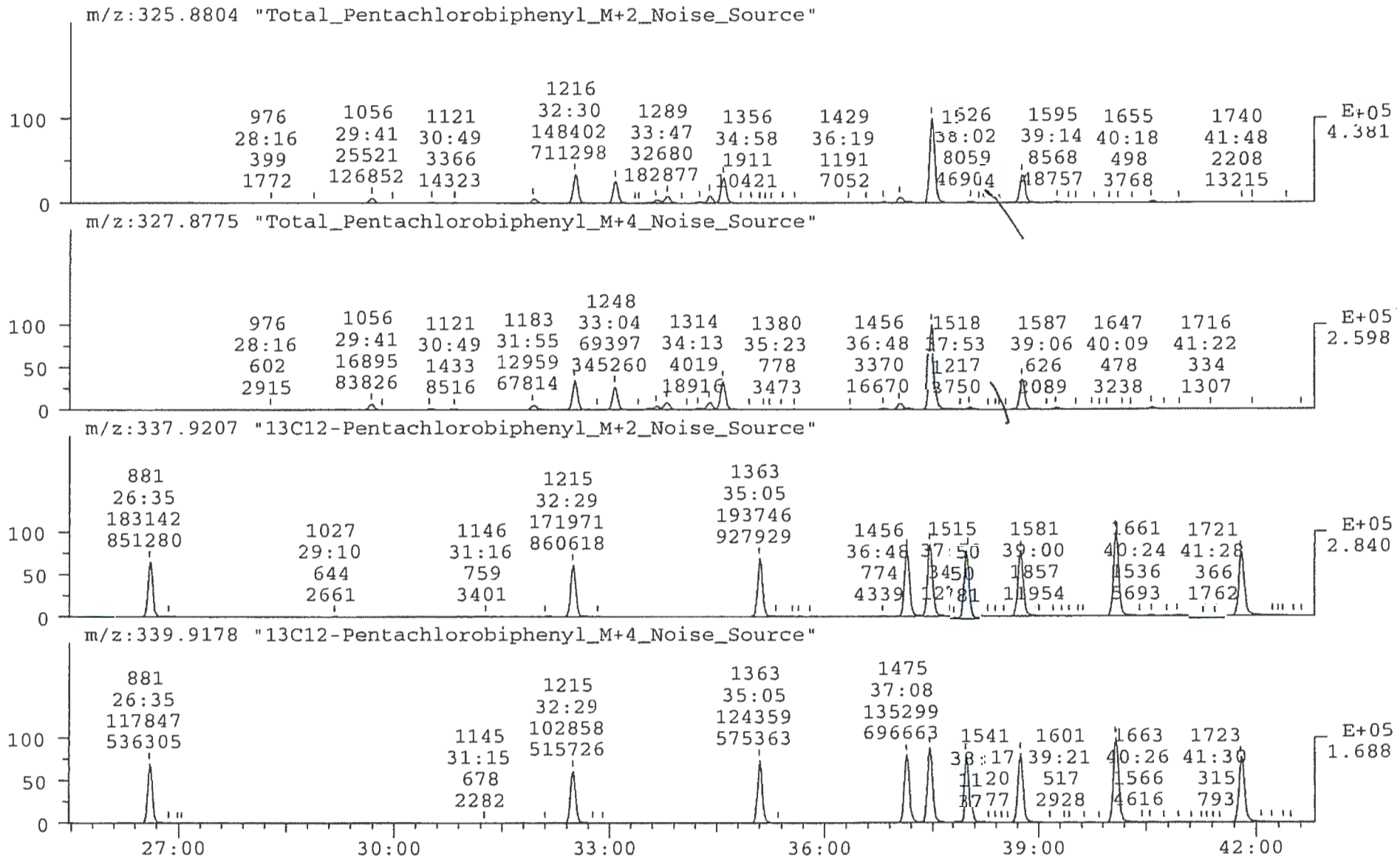
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1260 > 1311 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 2 Label : -3, 3.0
Disp: Height Area



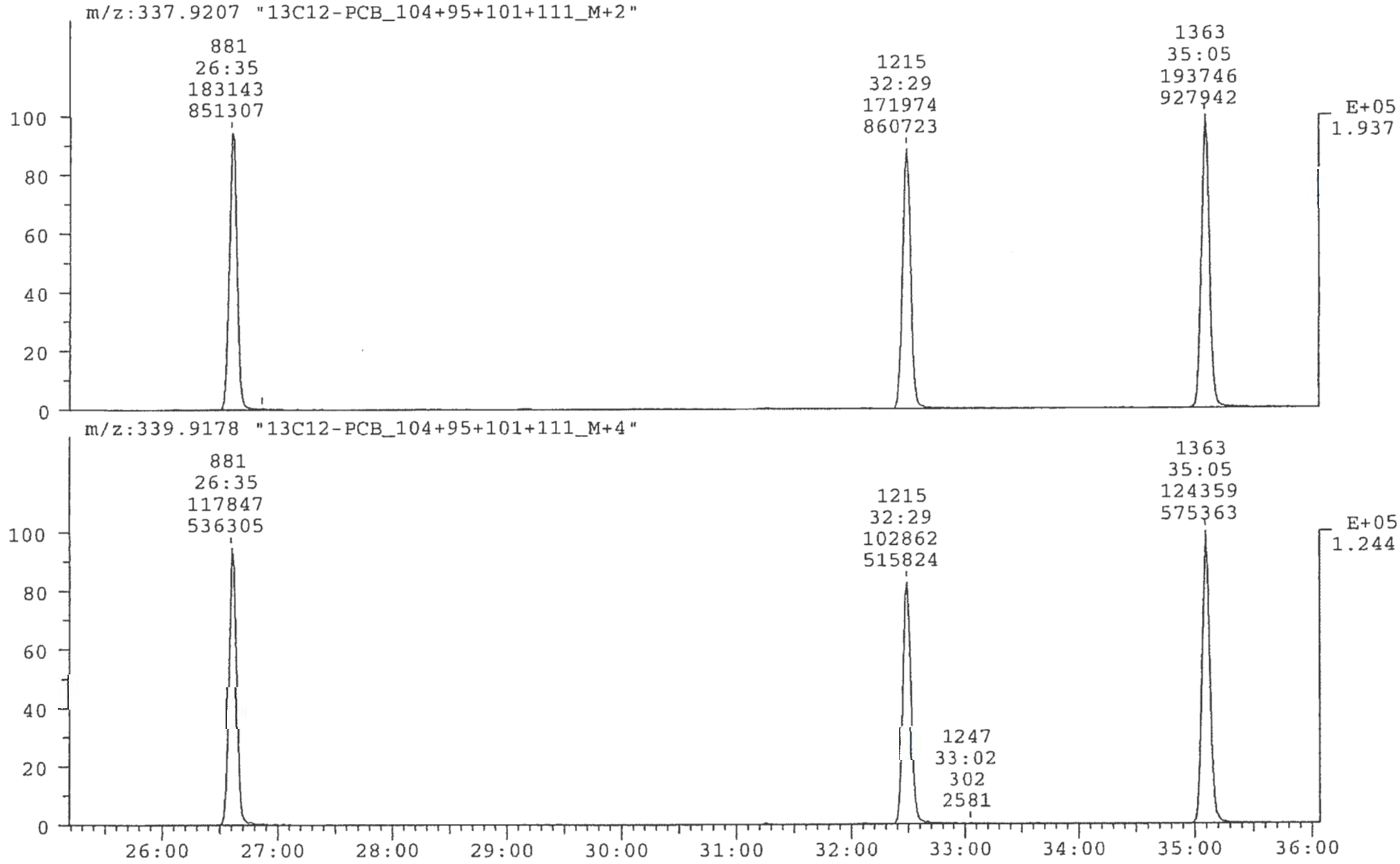
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG          Client:  H7I280209-001                Inlet :  GC     Vial 12
Peak:  100.00  ppm     Label wndw:   1353 > 1394          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



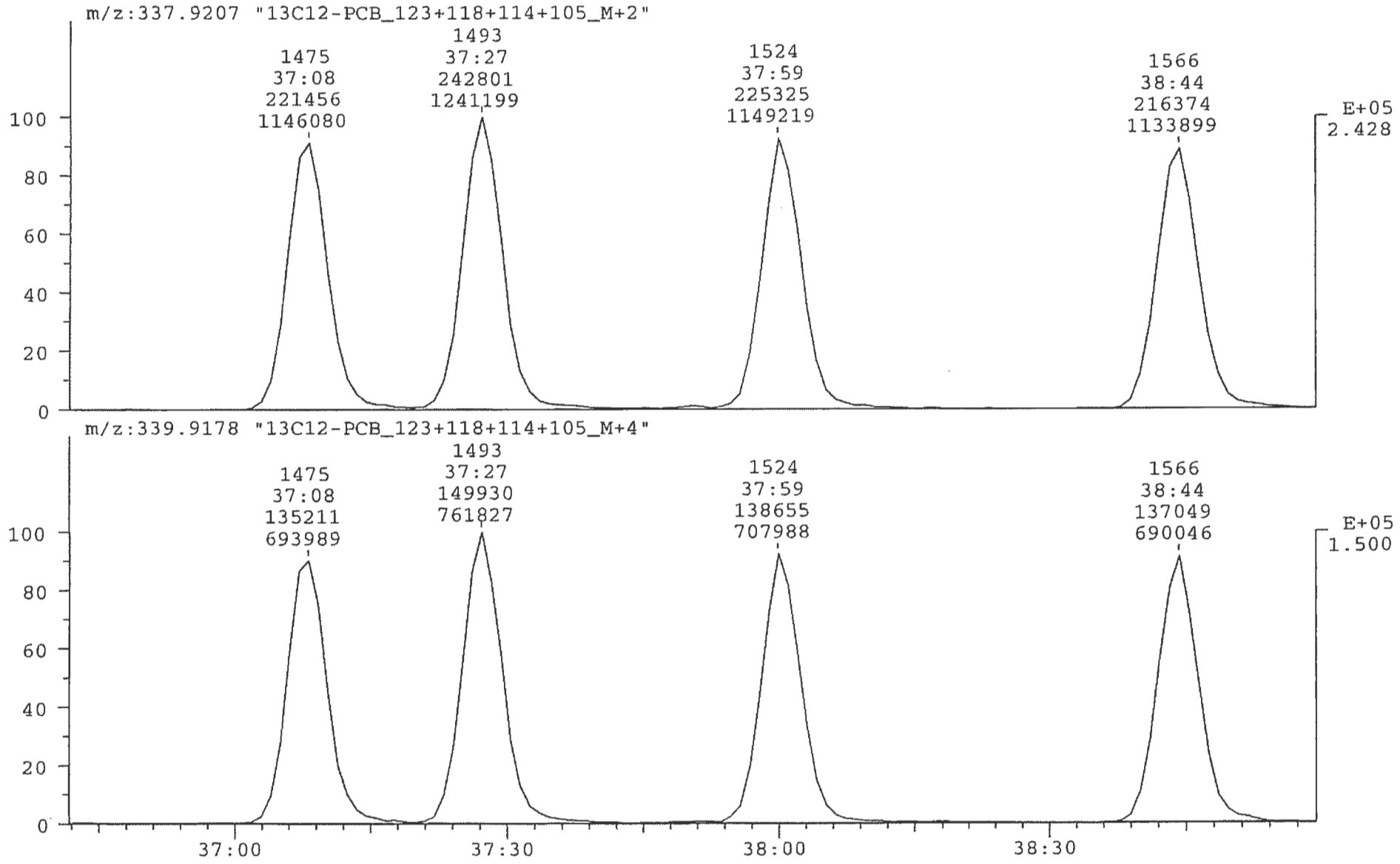
CHRO: apj7v9m 12-Oct-07 Elapse: 34:08 1309
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 817 > 1797 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



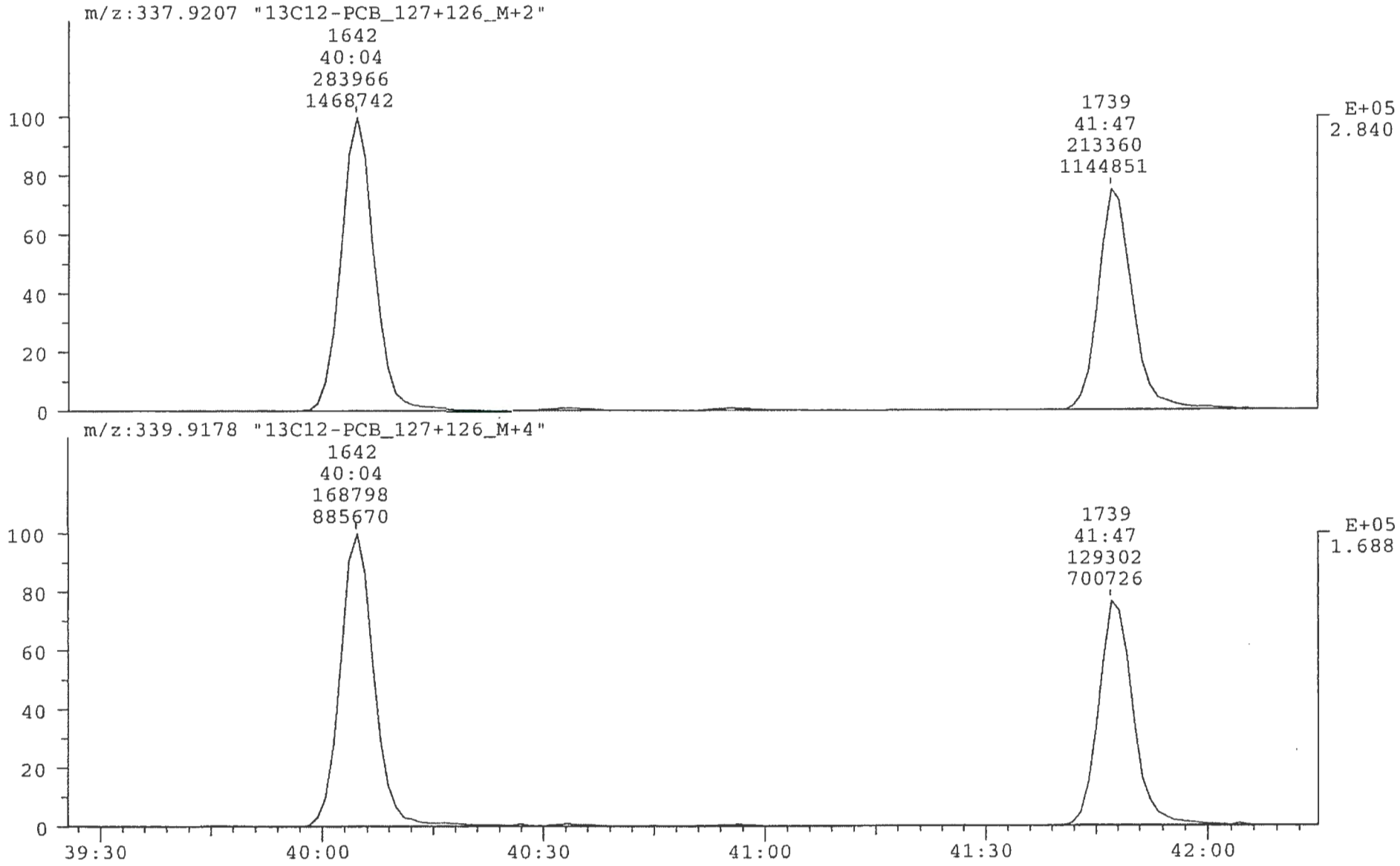
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  30:37      1109
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial 12
Peak:  100.00  ppm      Label wndw:   801 > 1418          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



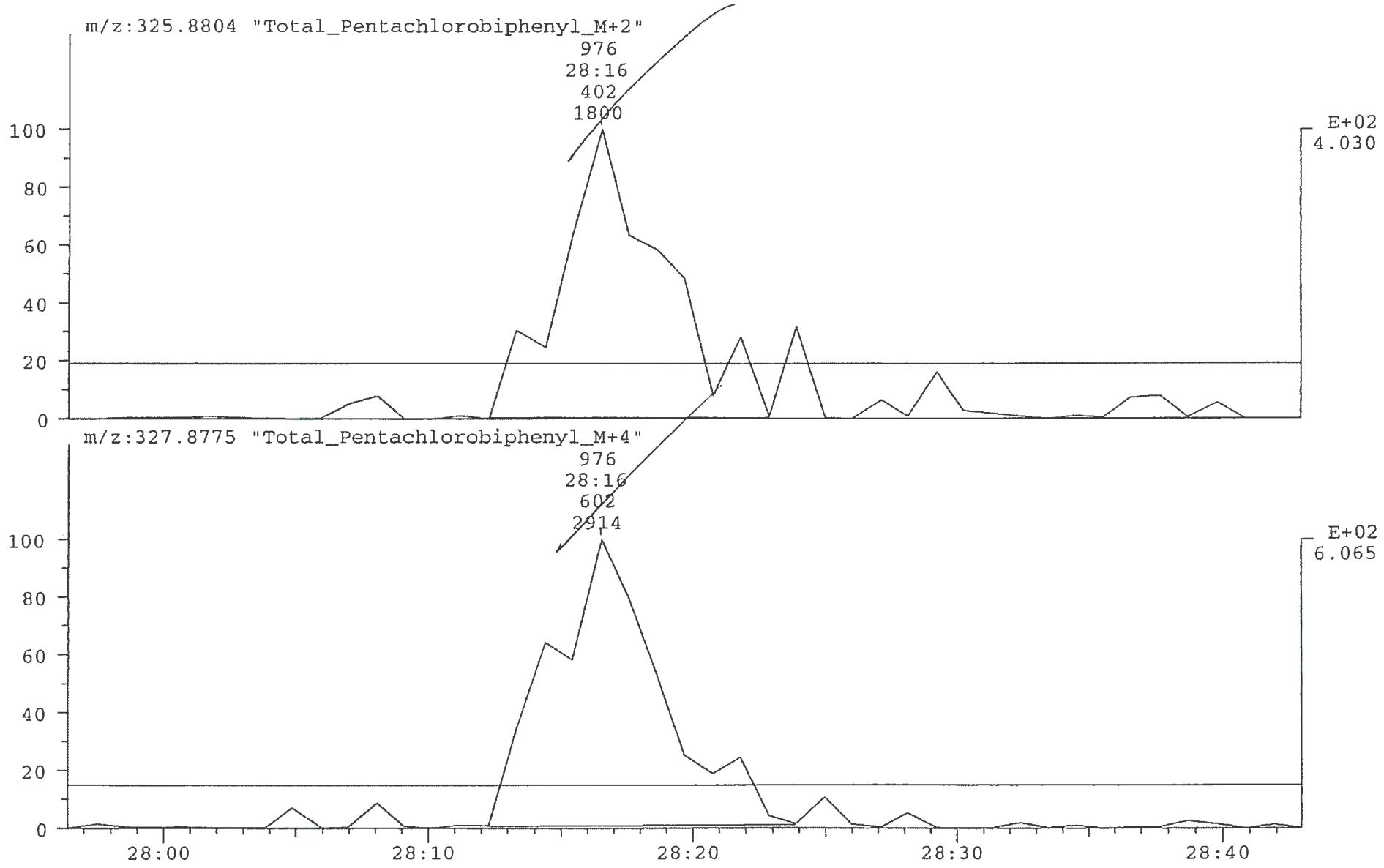
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  37:50      1515
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
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
```



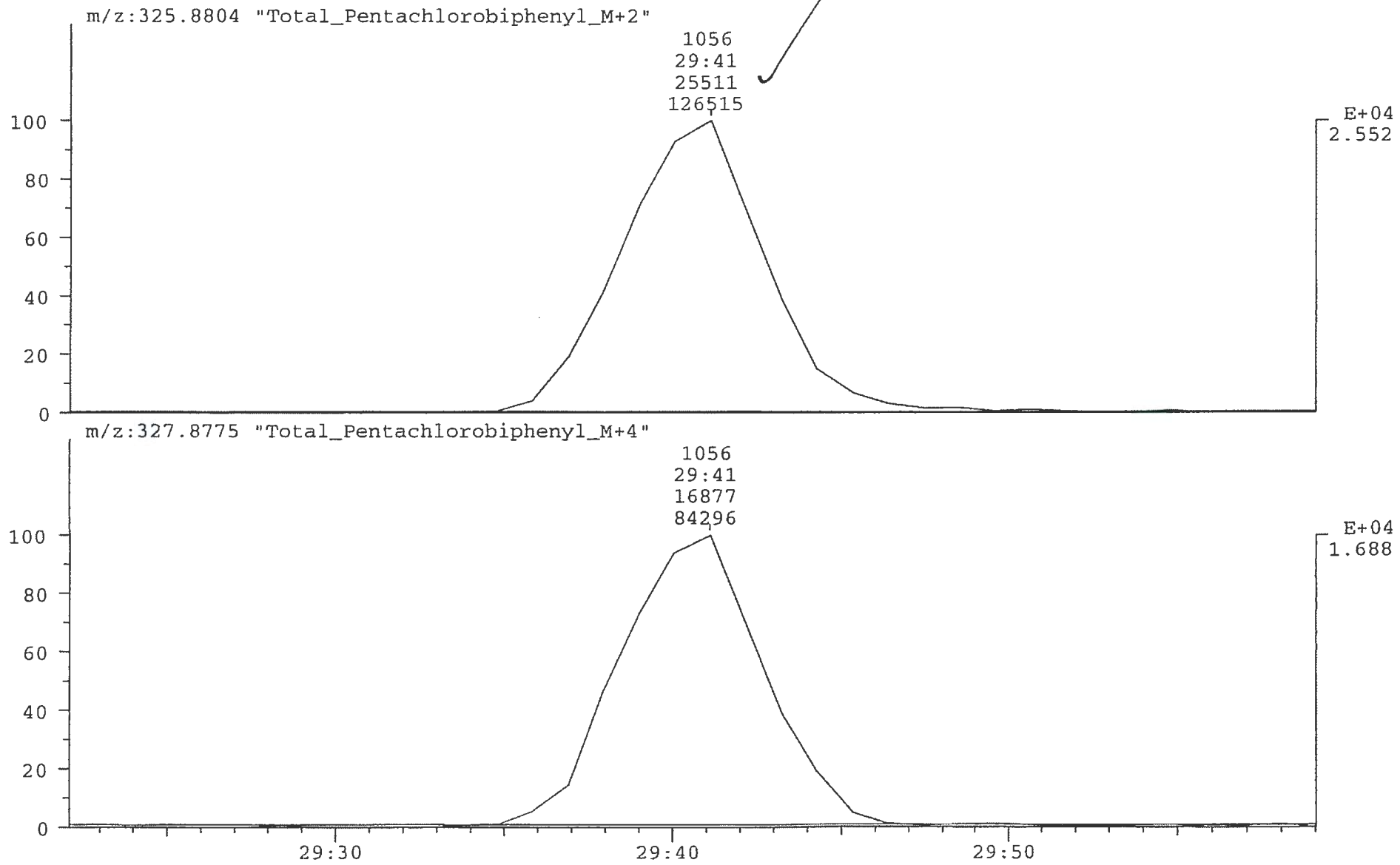
```
CHRO:  apj7v9m                                12-Oct-07  Elapse:  40:50      1685
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001             Inlet :  GC     Vial  12
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
```



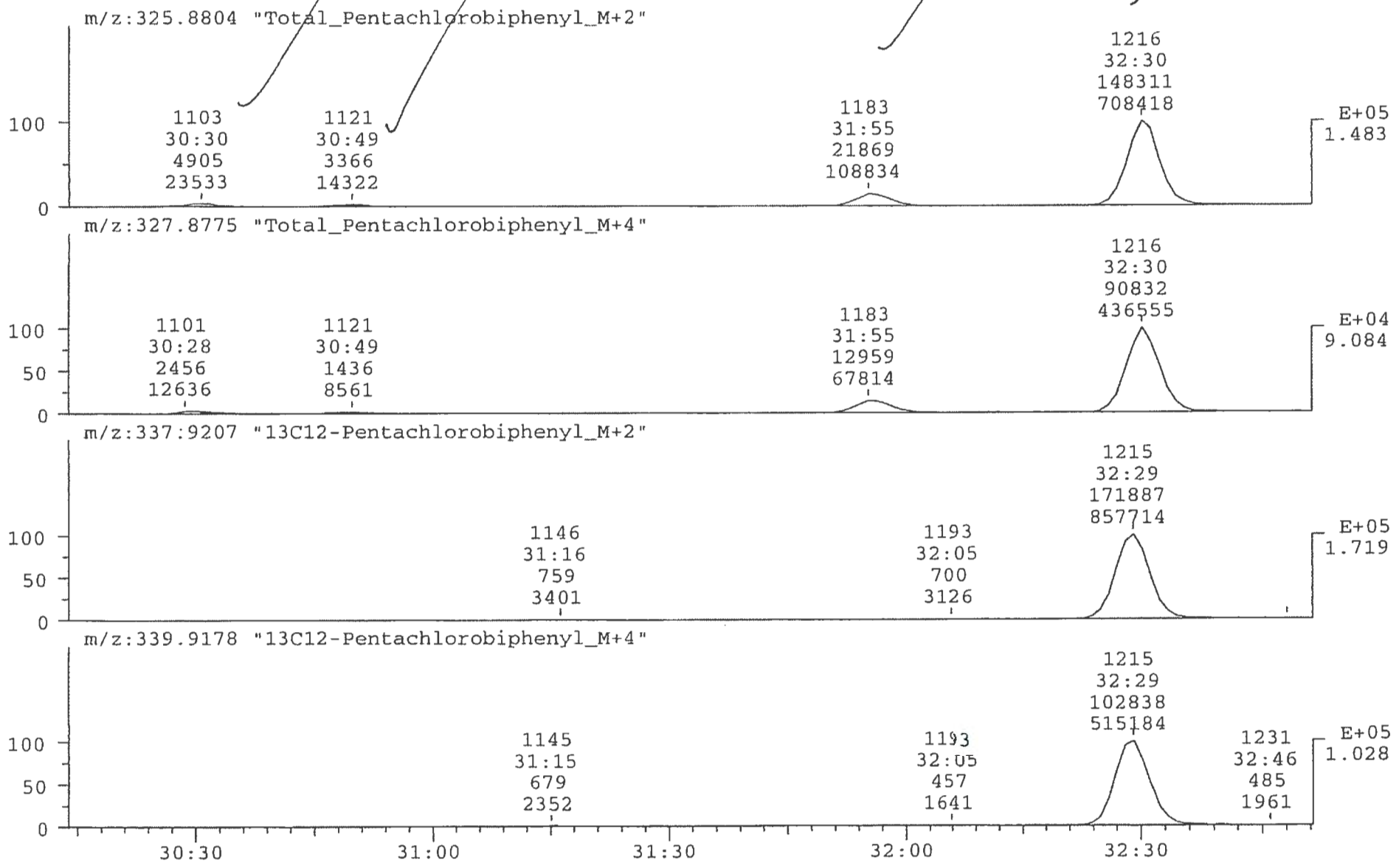
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   957 > 1001          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



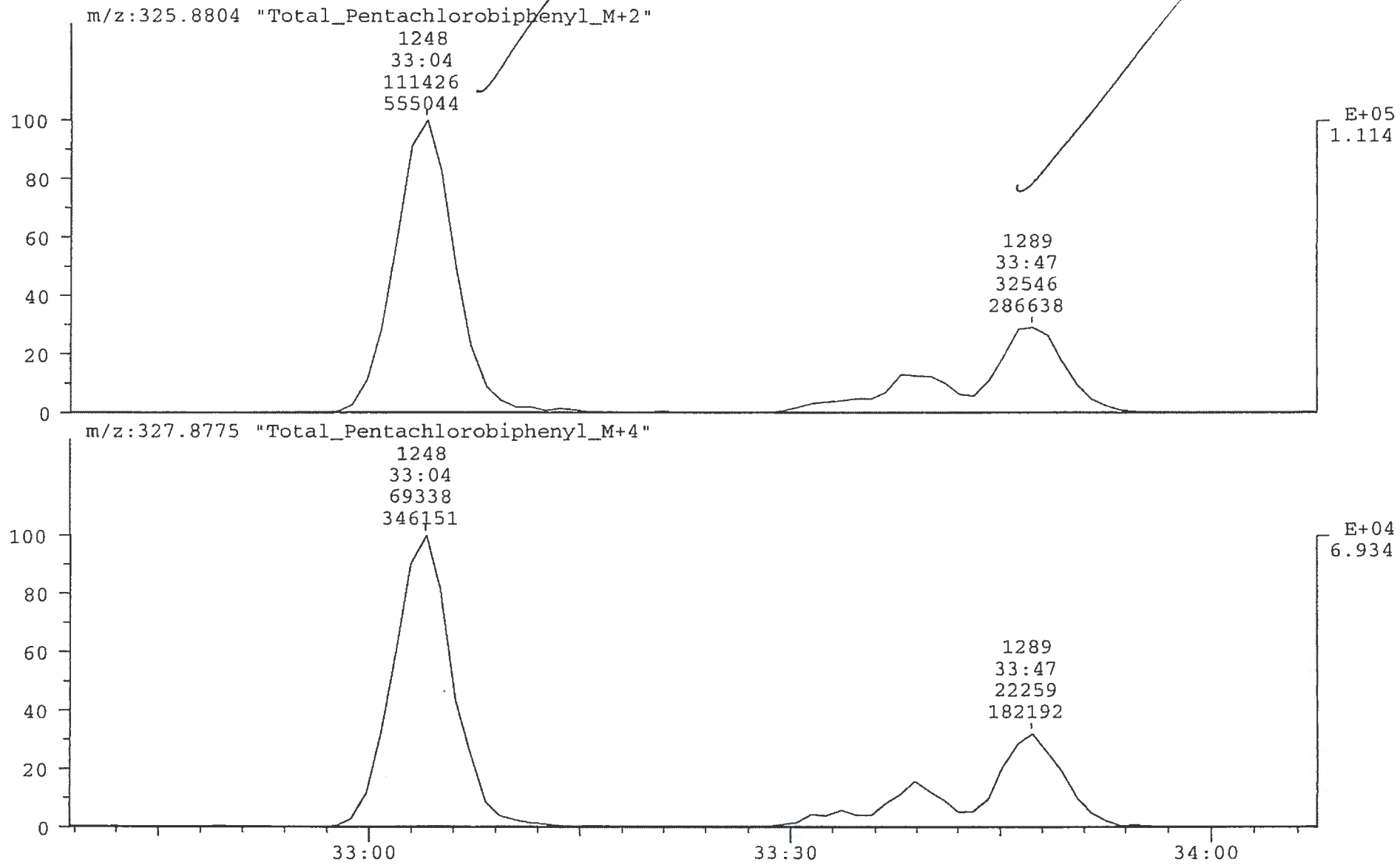
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   1038 > 1073         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



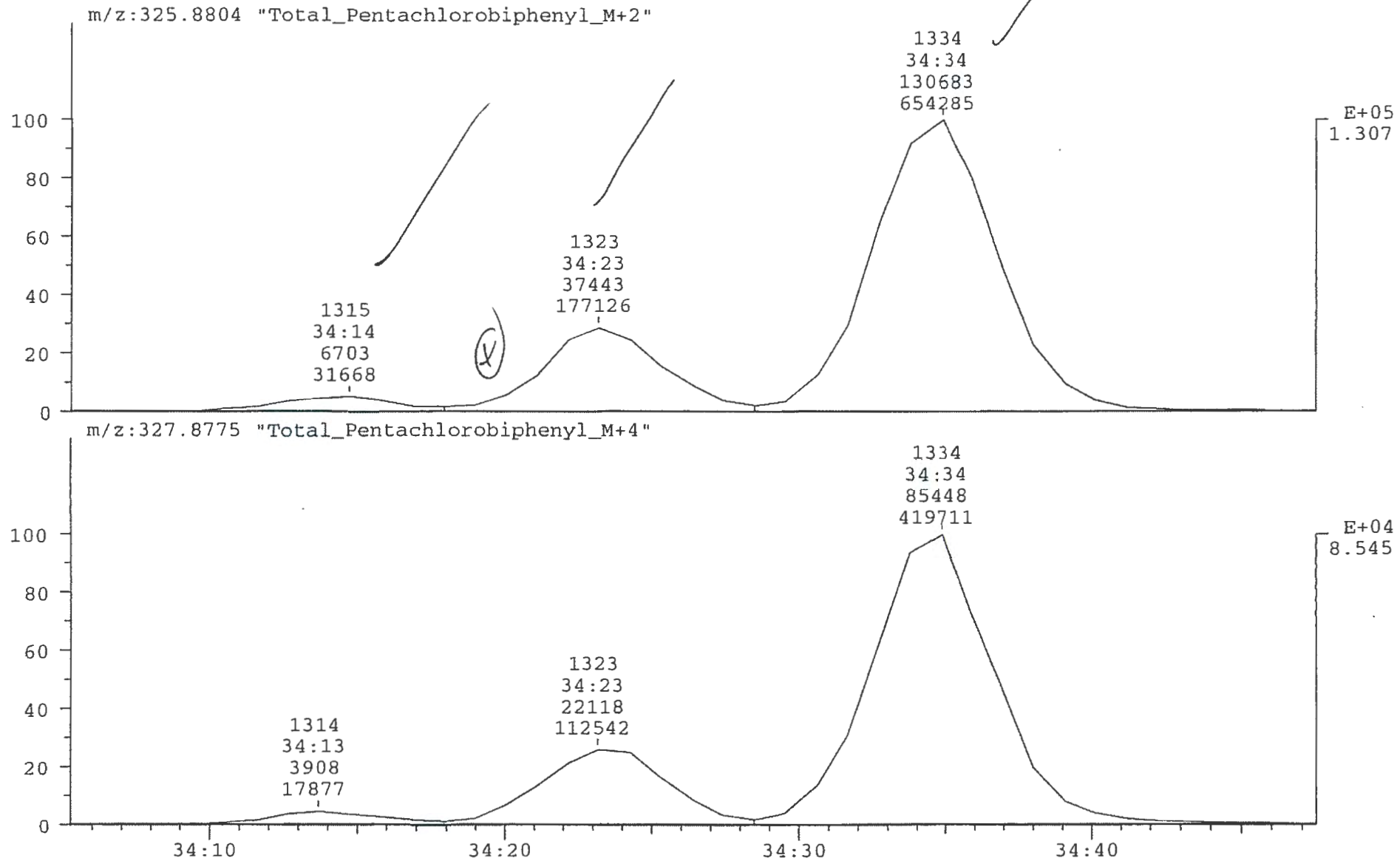
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1087 > 1236 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



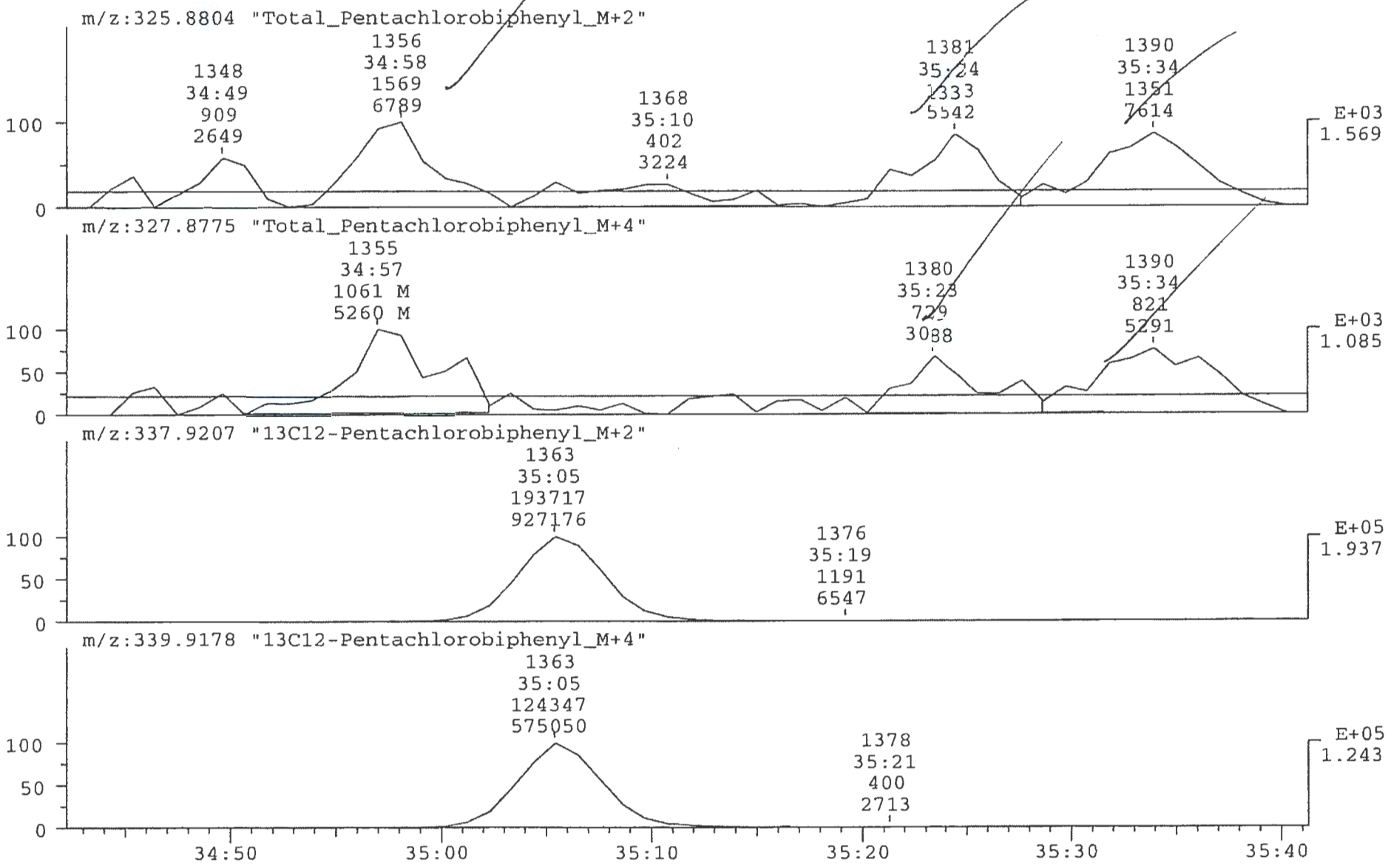
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1224 > 1308 Masses: 181 > 510
Area: 5, 0.00, 0 Baseline : 100, 7 Label : -3, 3.0
Disp: Height Area



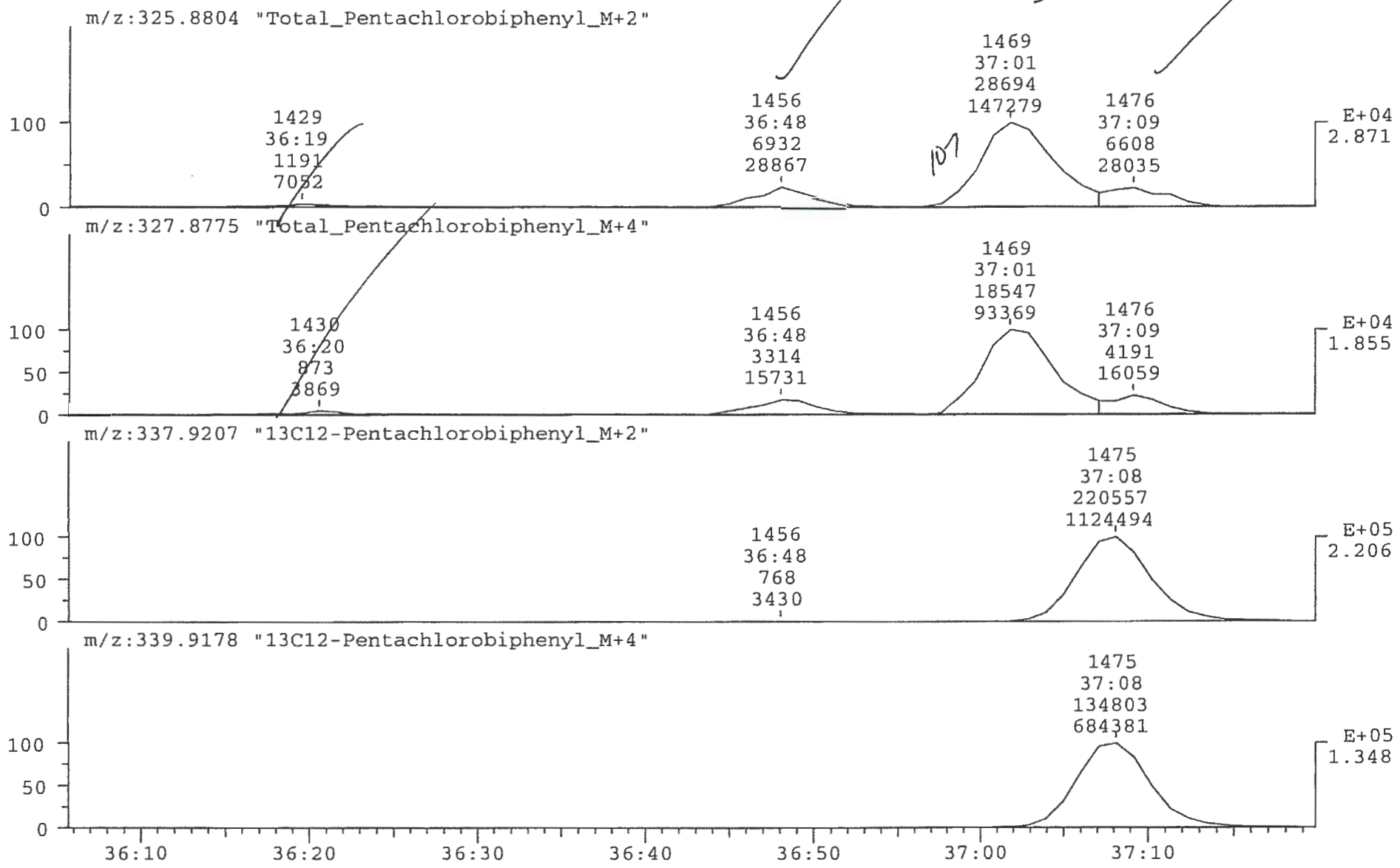
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1306 > 1346 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



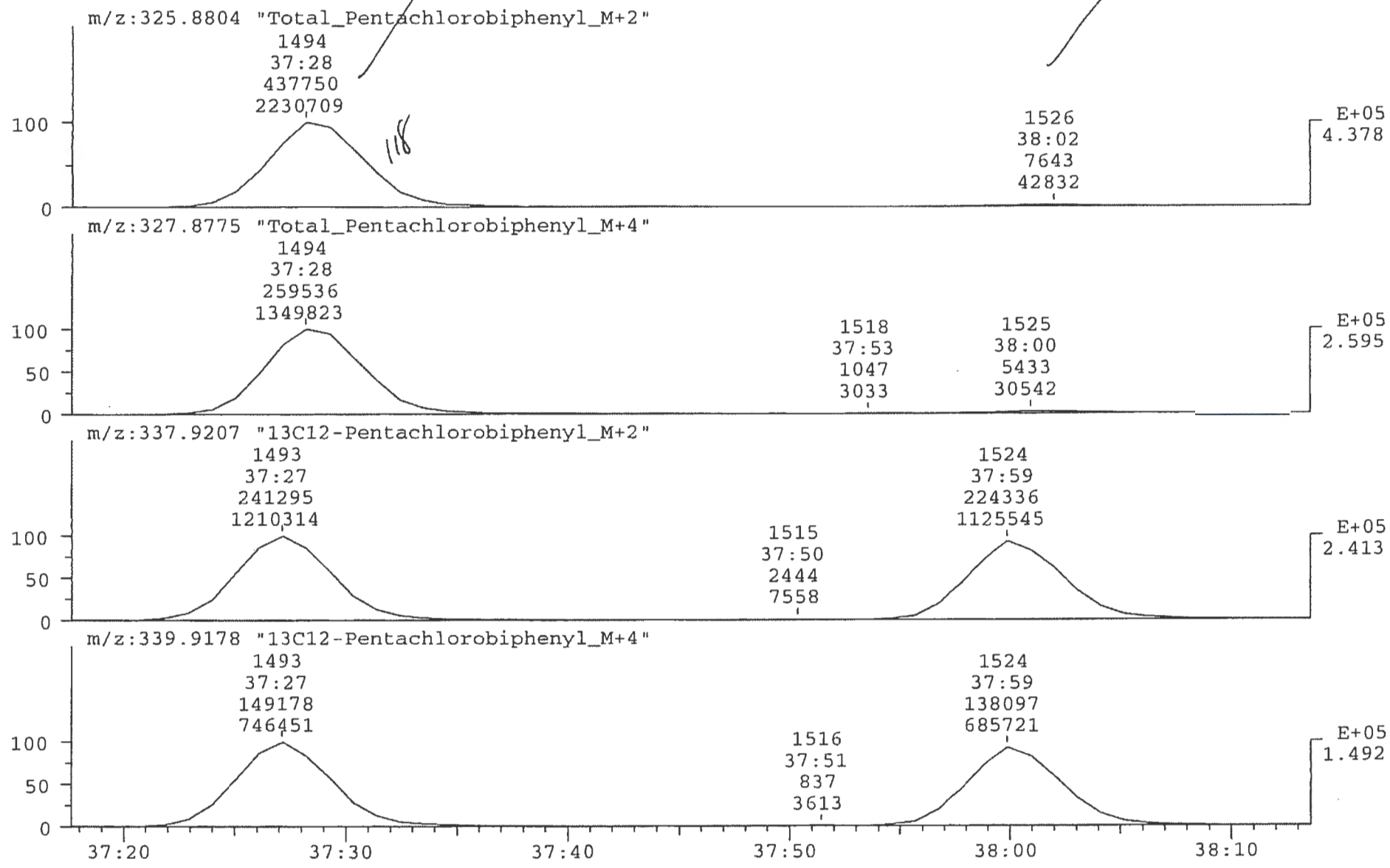
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1341 > 1397 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



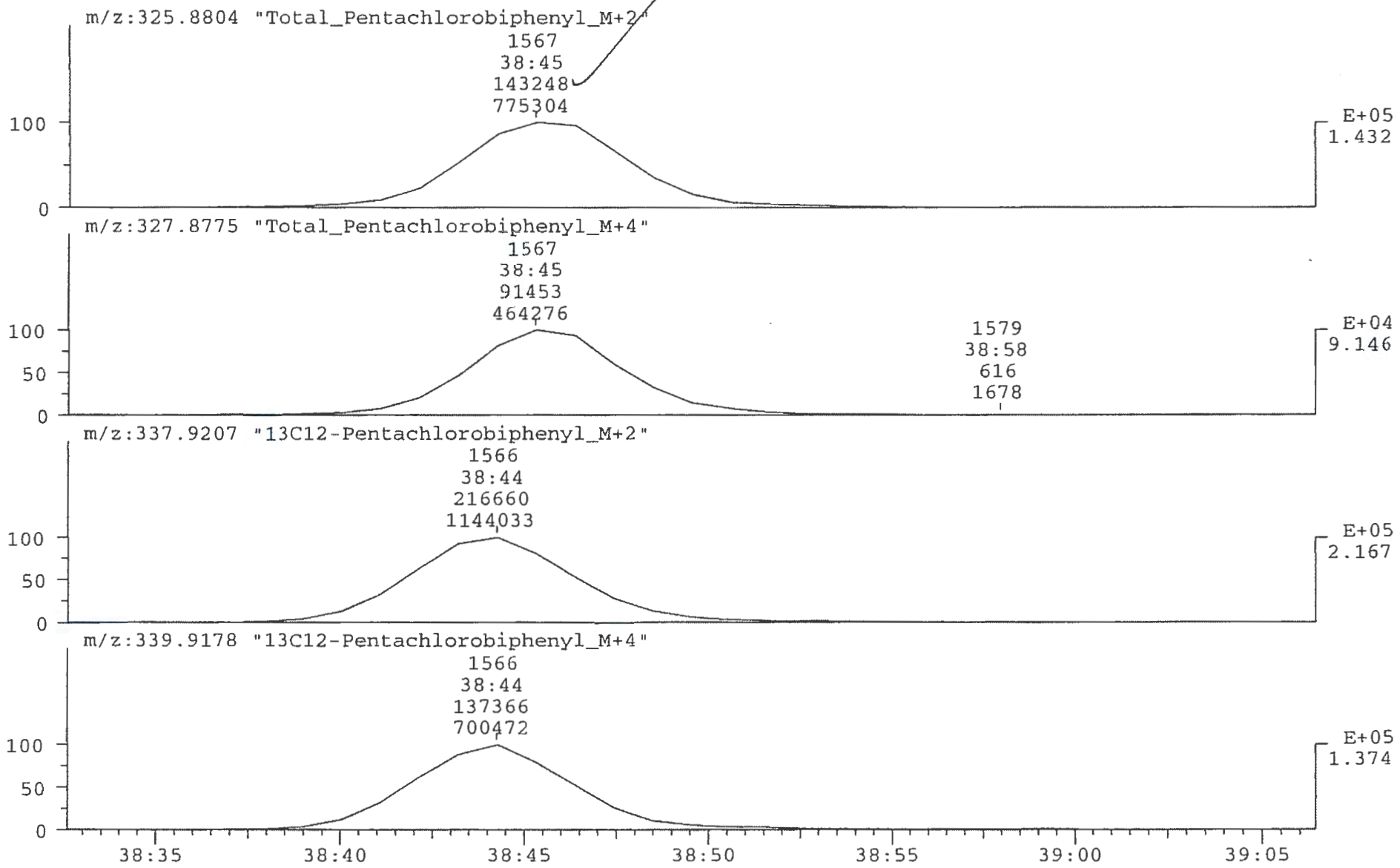
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1420 > 1486 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 2 Label : -3, 3.0
Disp: Height Area



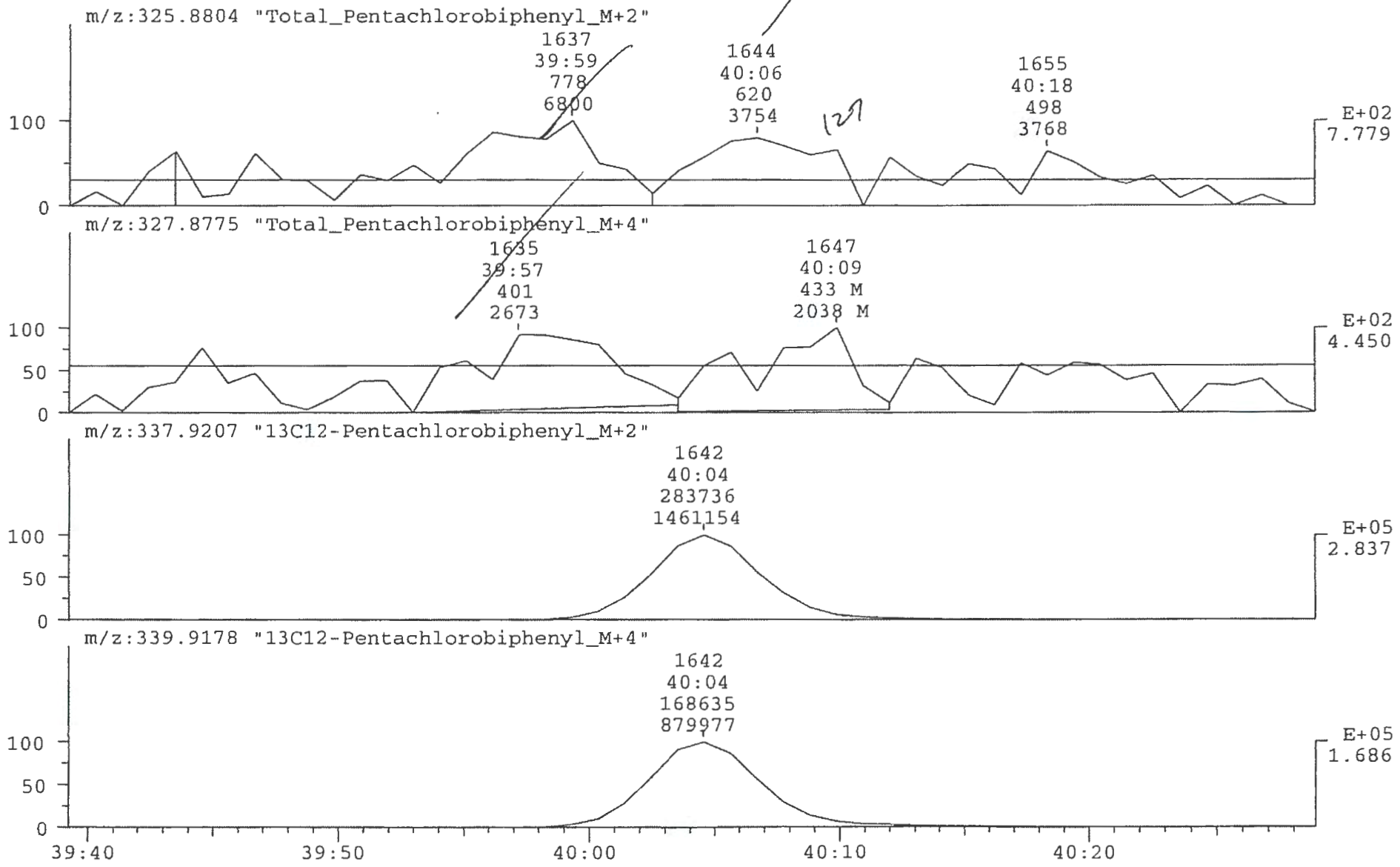
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1484 > 1537 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



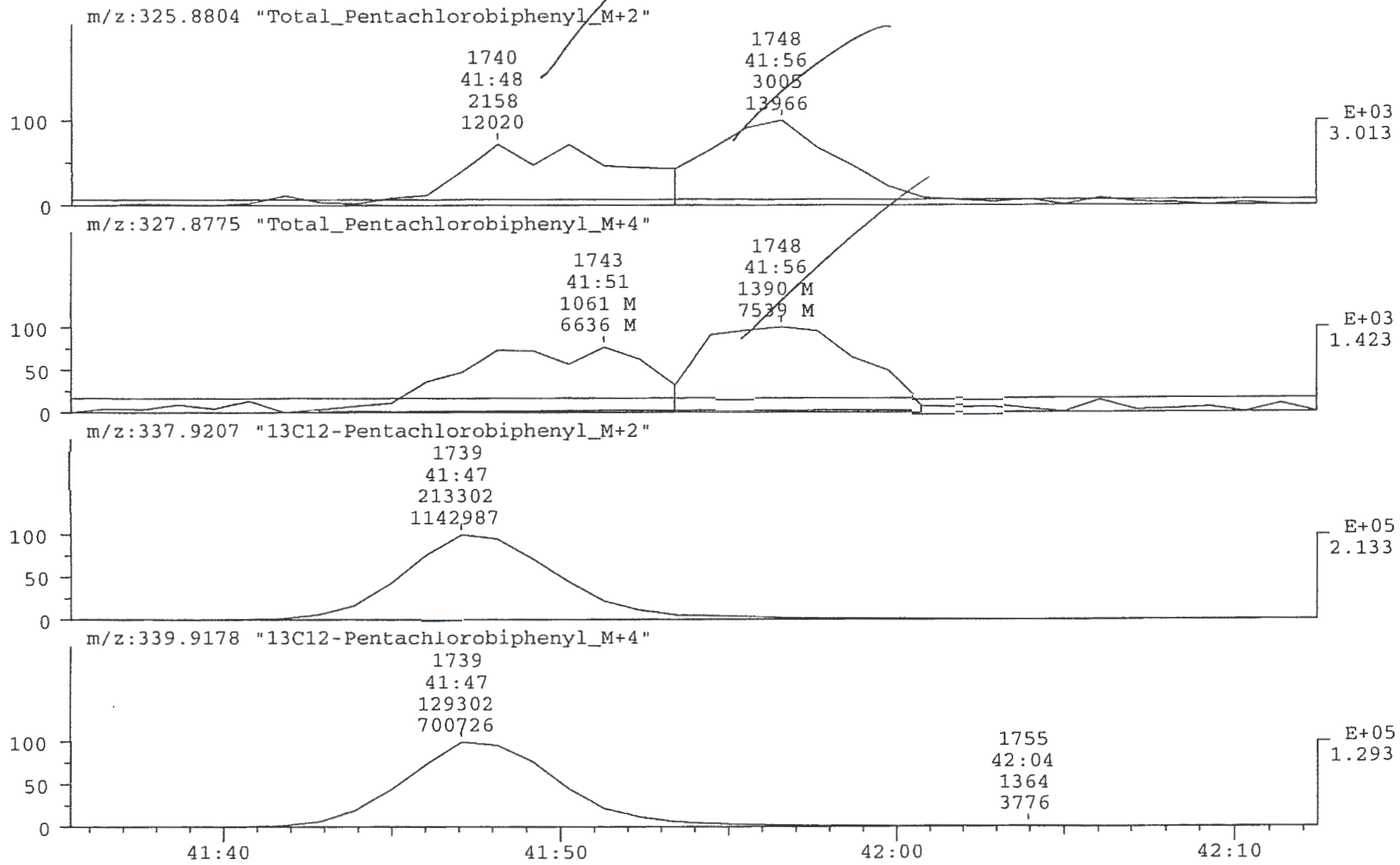
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   1555 > 1587         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



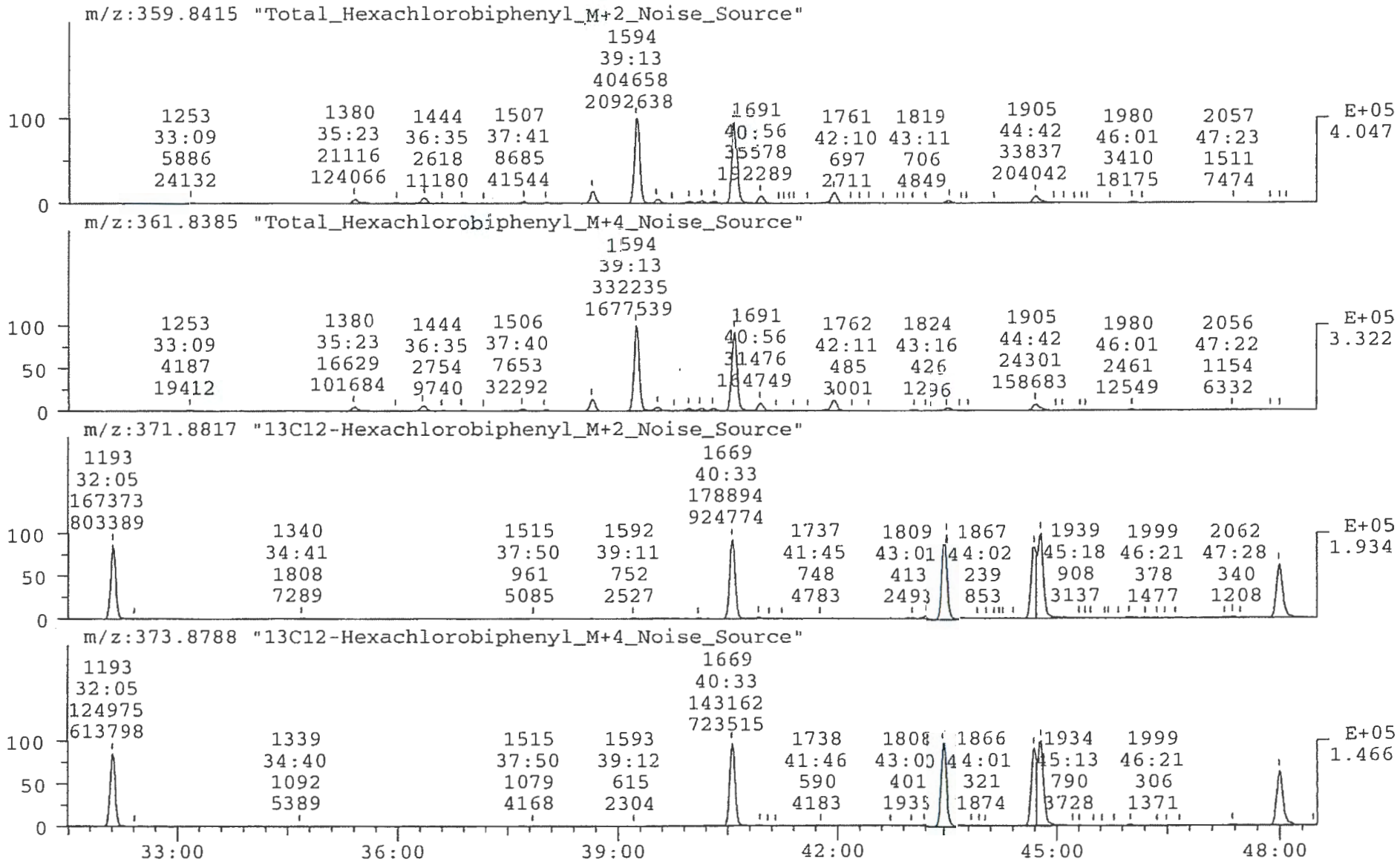
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1618 > 1665 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3 3.0
Disp: Height Area



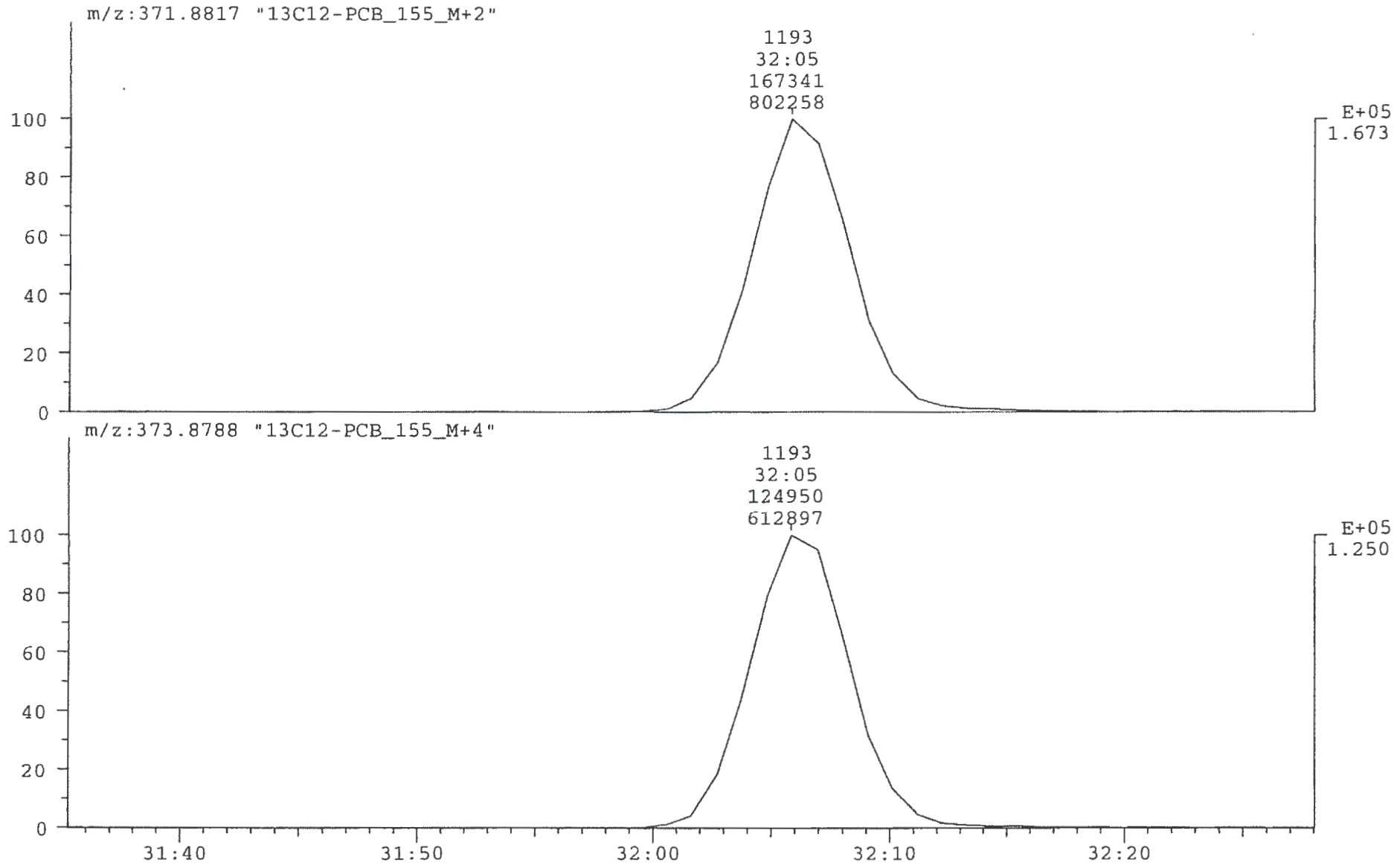
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1728 > 1763 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



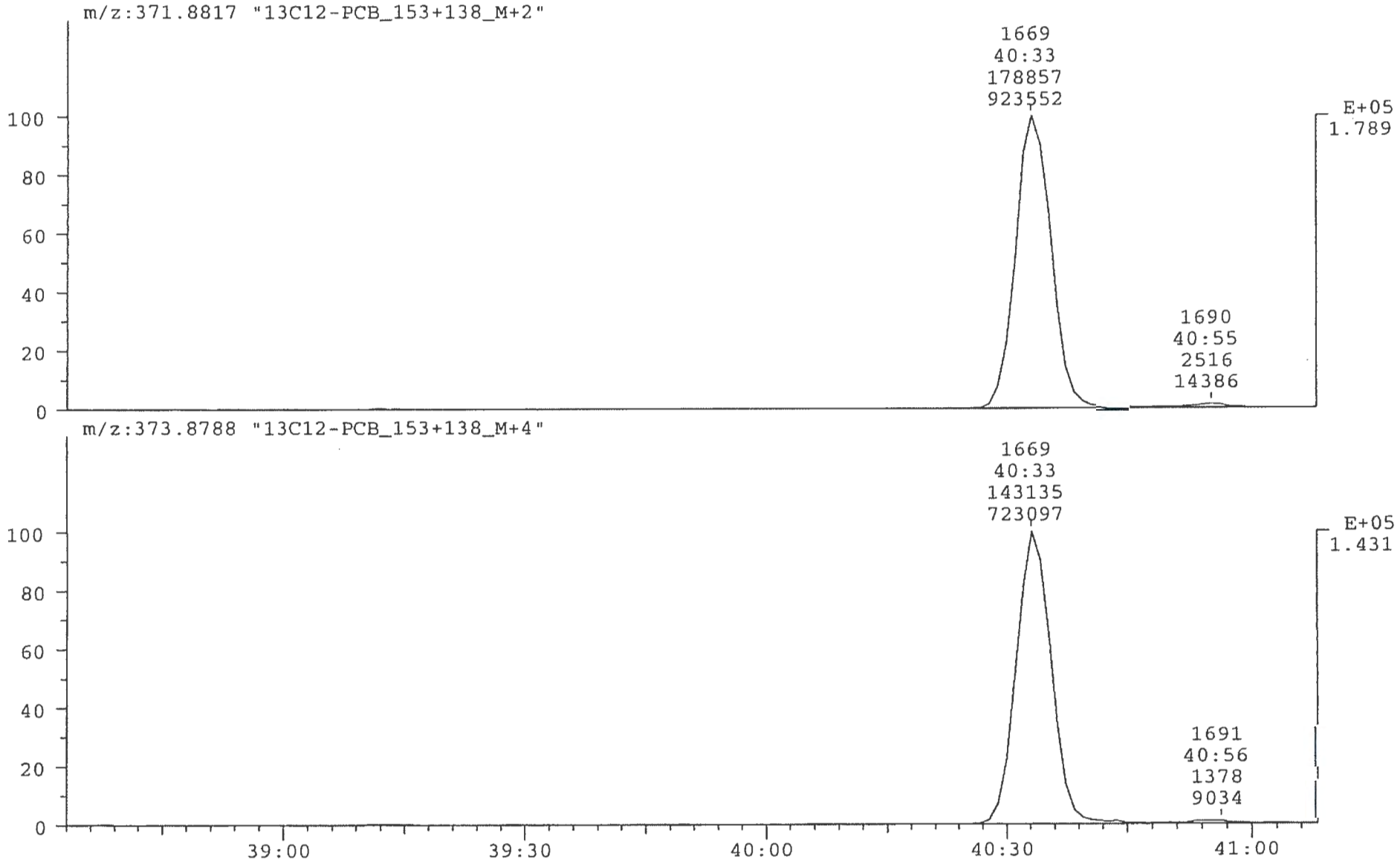
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  39:59      1637
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   1158 > 2120         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



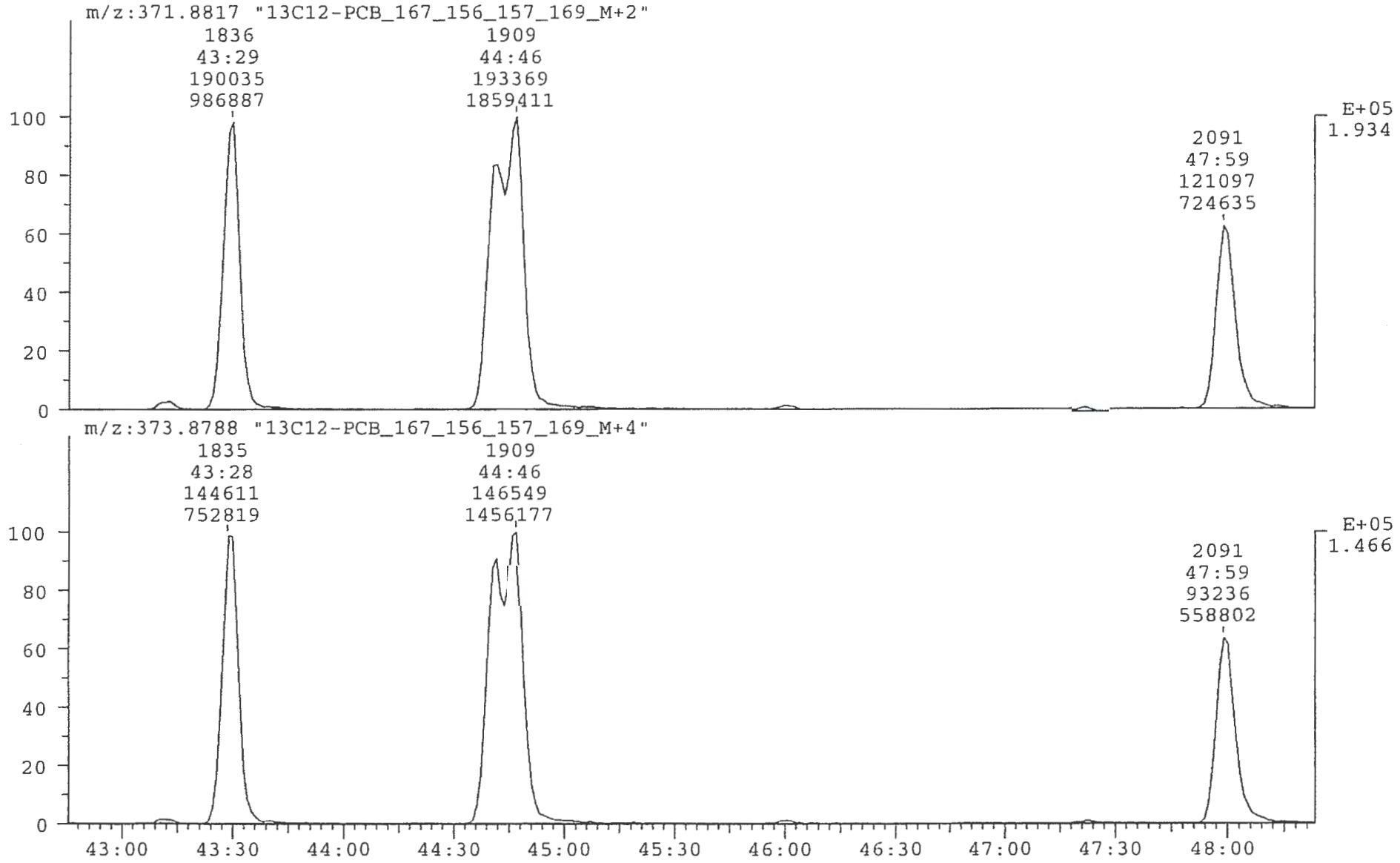
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  32:01      1189
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
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
```



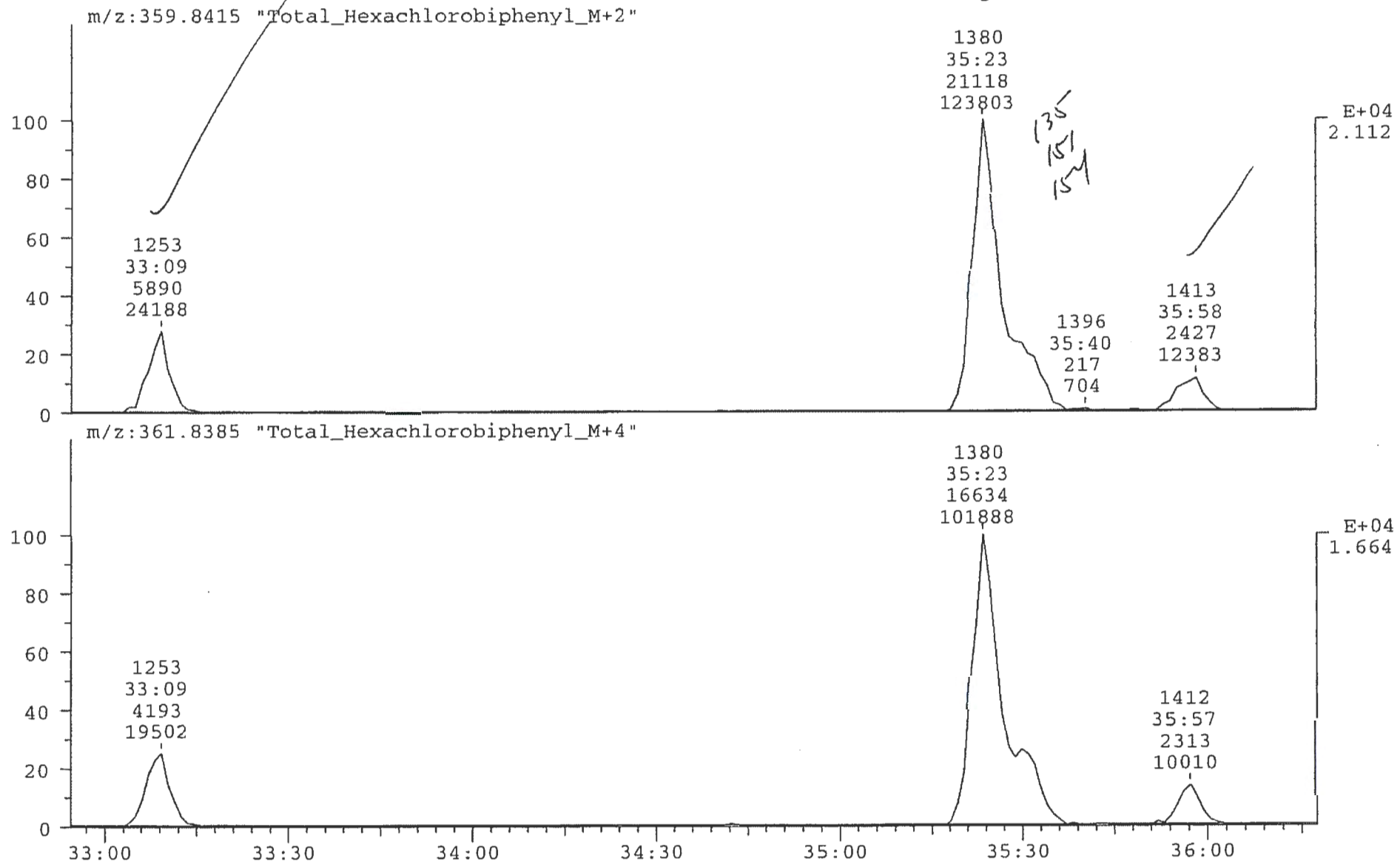
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  39:49      1628
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial 12
Peak:  100.00  ppm      Label wndw:   1555 > 1702         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



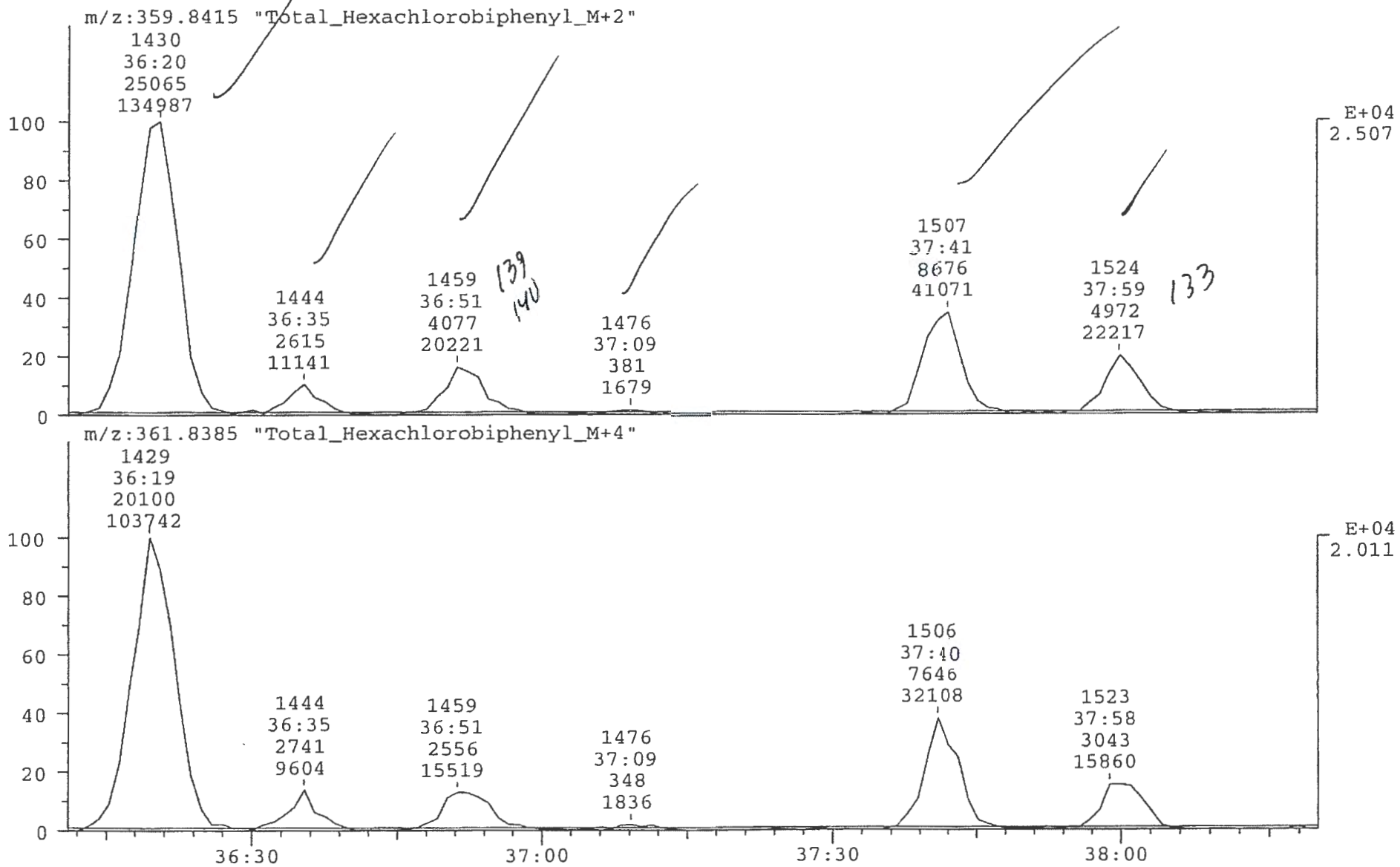
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  45:39      1959
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
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
```



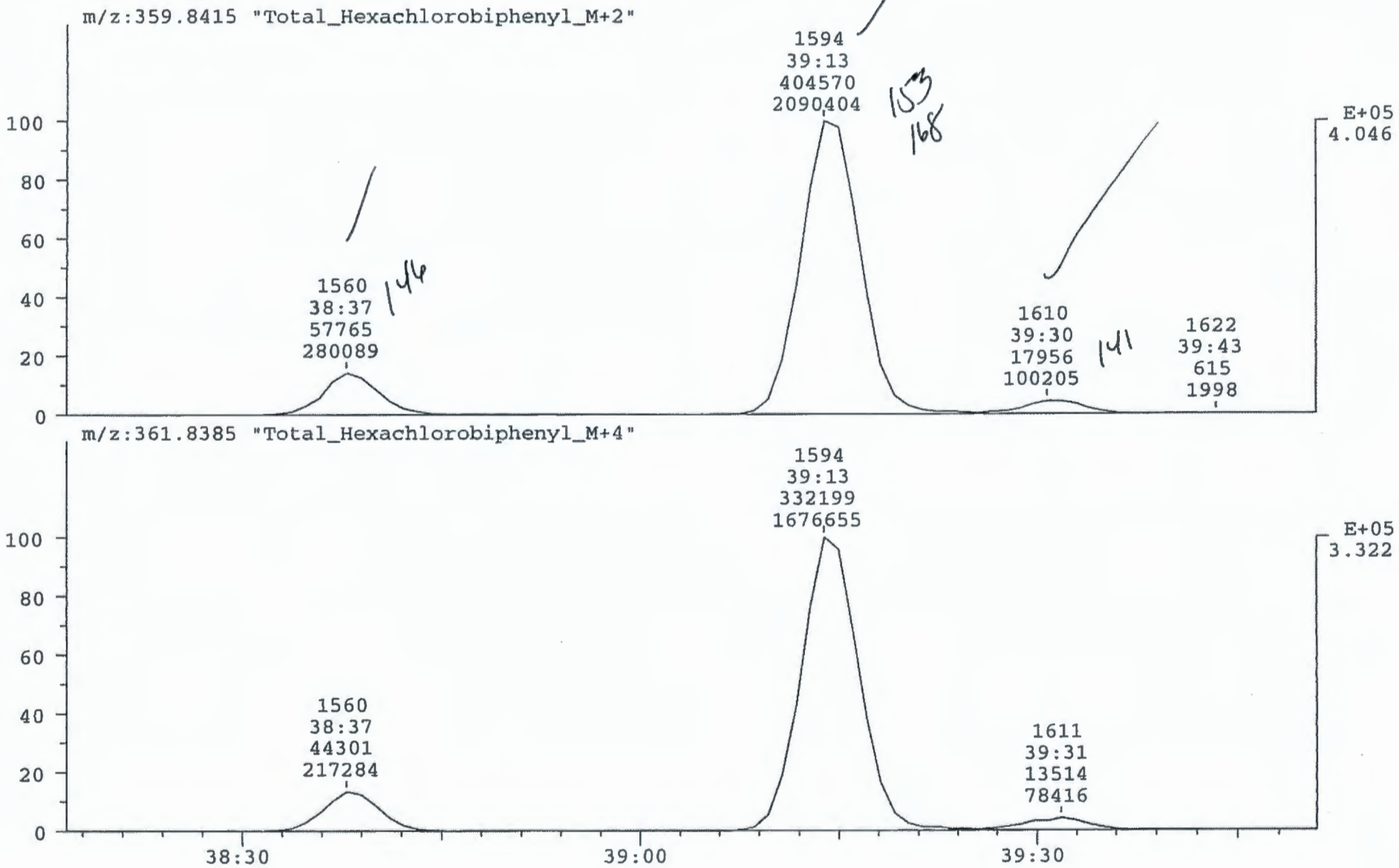
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   1239 > 1427         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



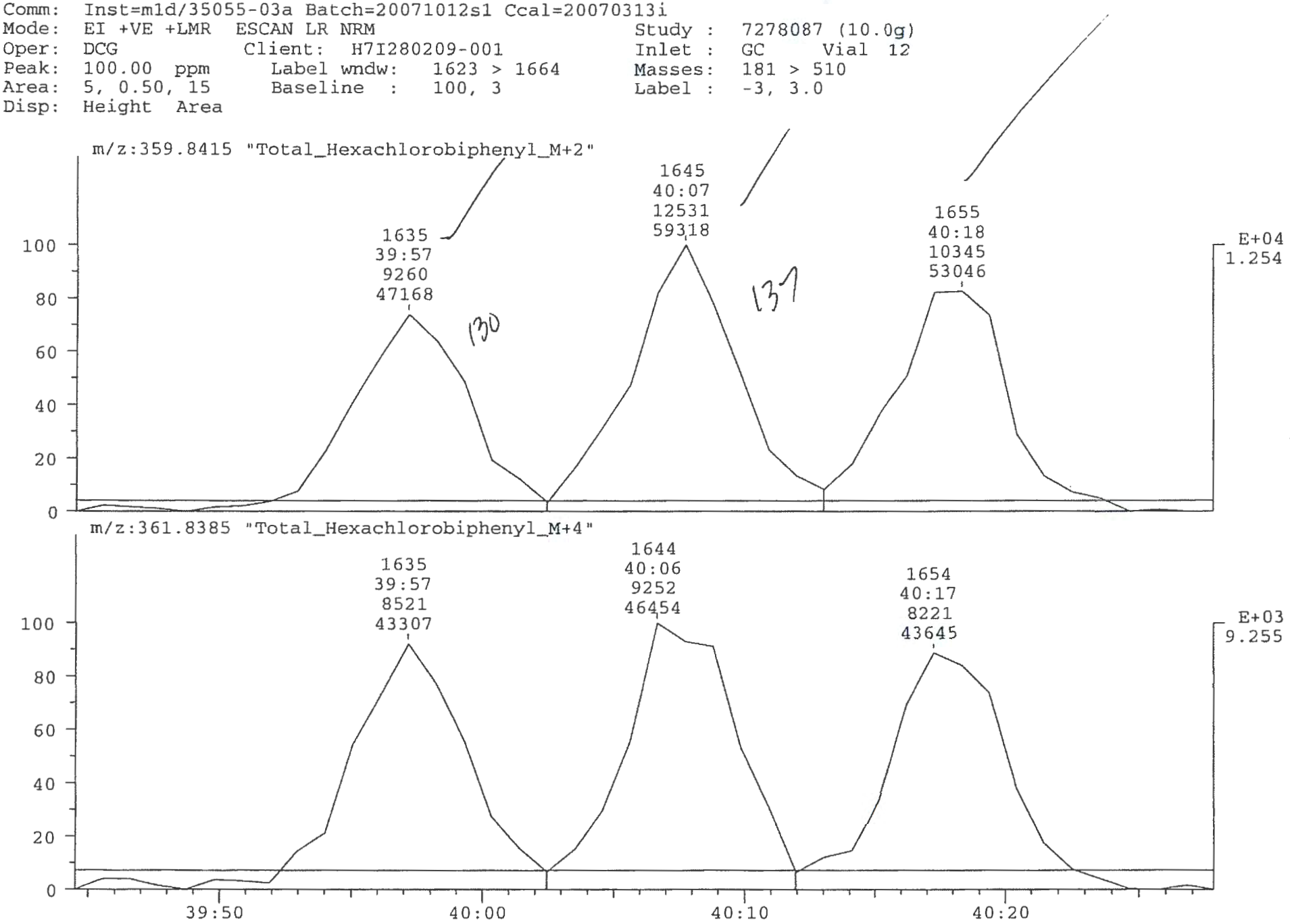
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1421 > 1543 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



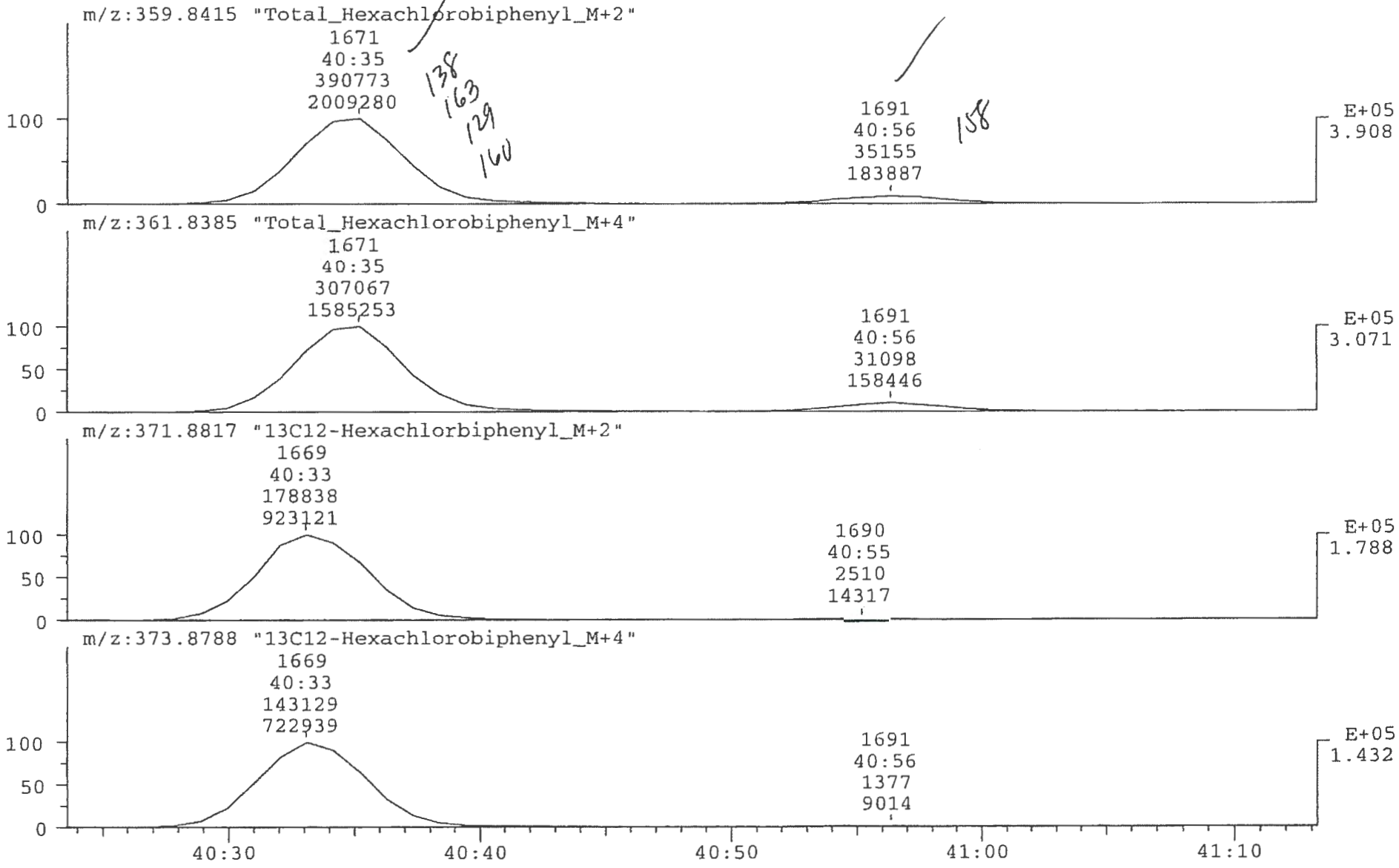
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1540 > 1629 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



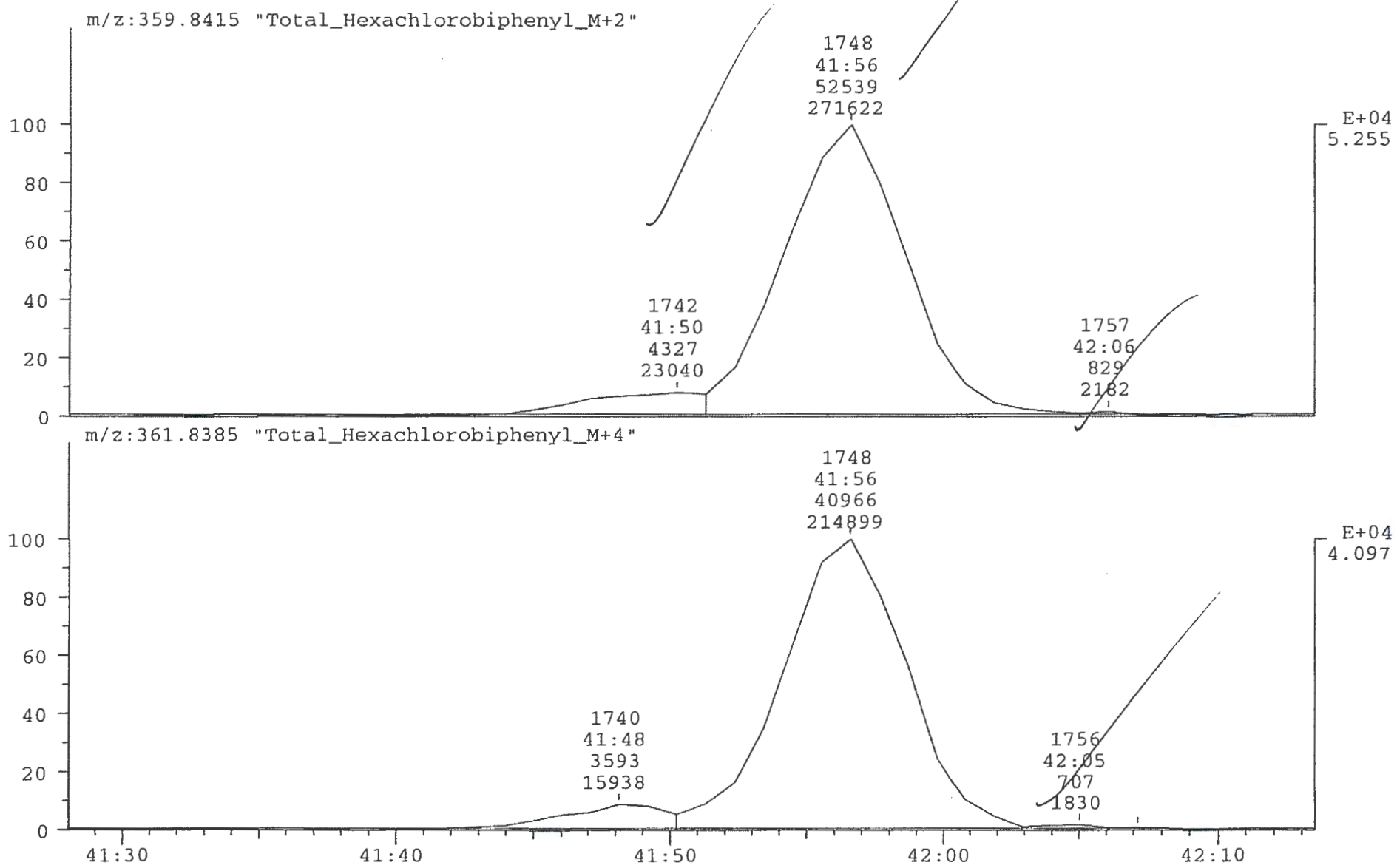
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1623 > 1664 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1660 > 1707 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area

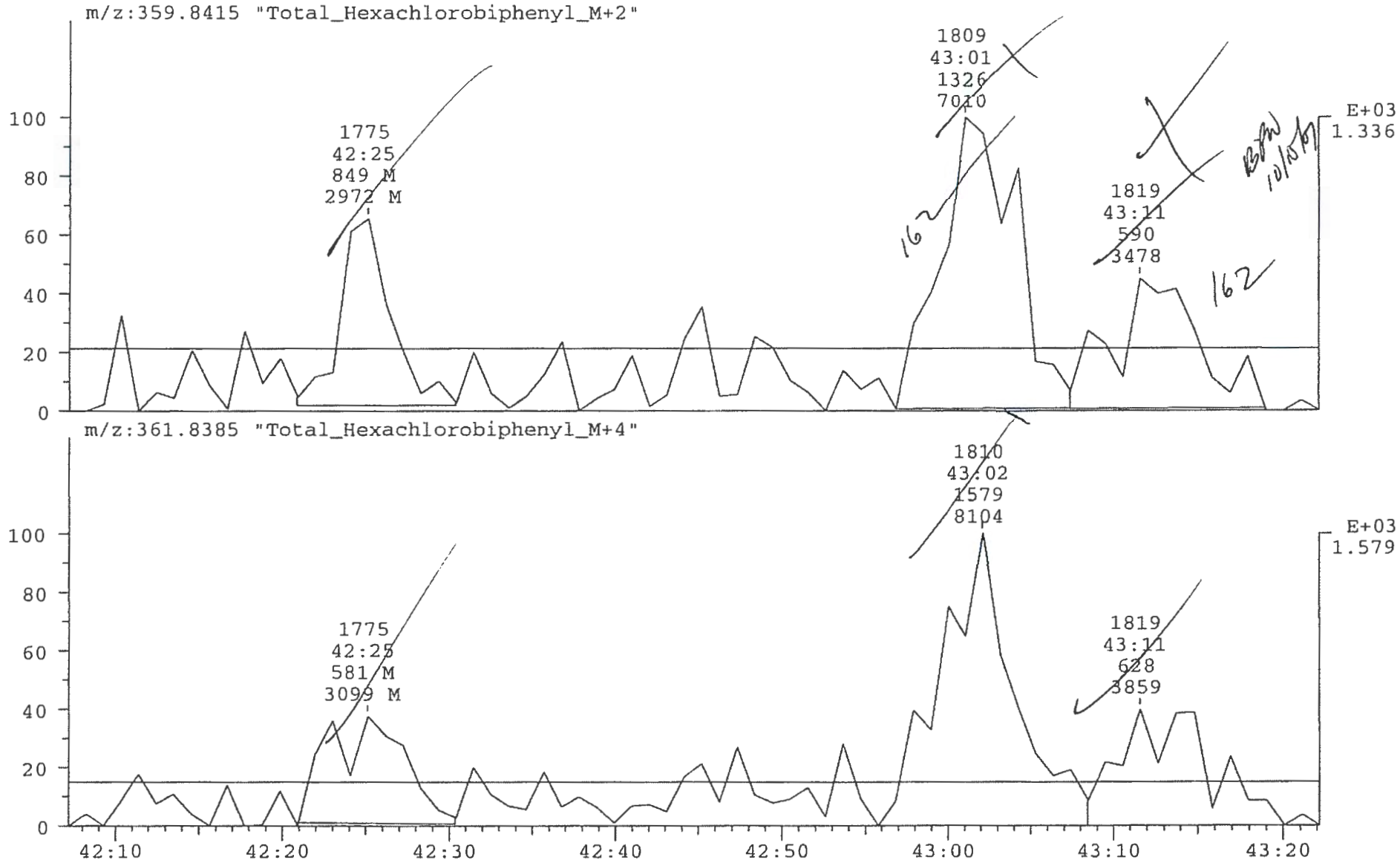


```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   1721 > 1764         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 1              Label :  -3, 3.0
Disp:  Height  Area
```

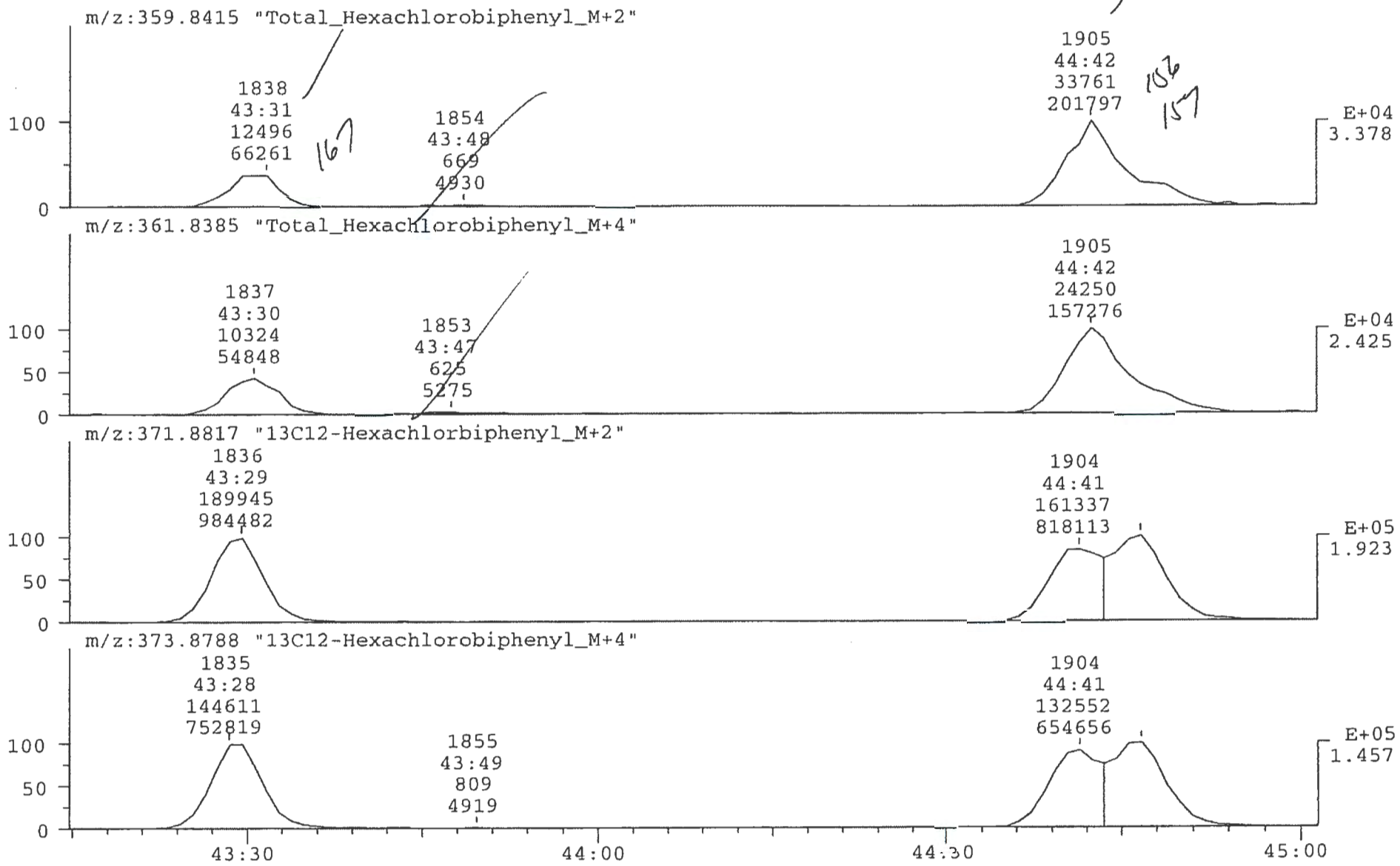


CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1758 > 1829 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area

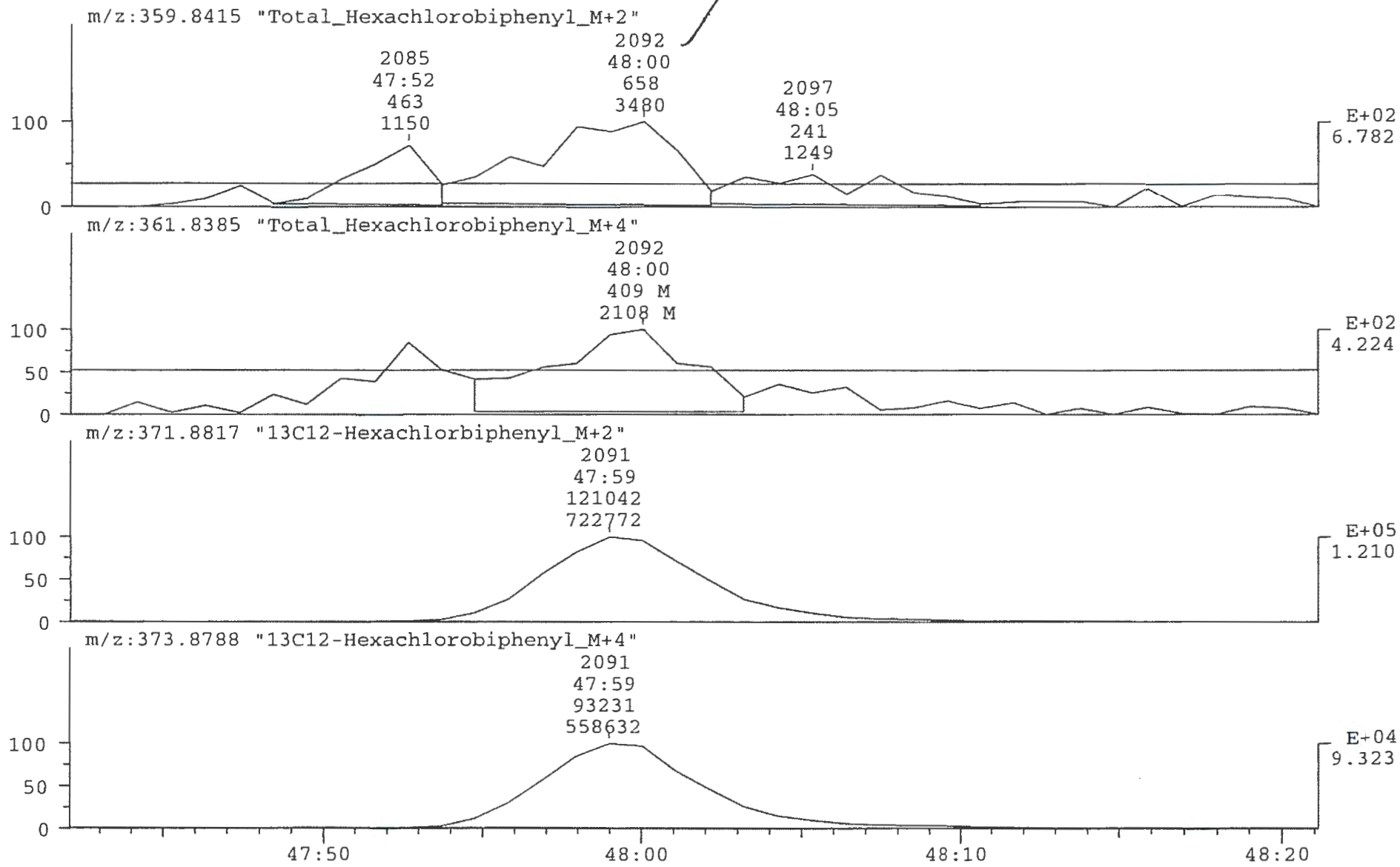
OK to use BPW 10/15/07



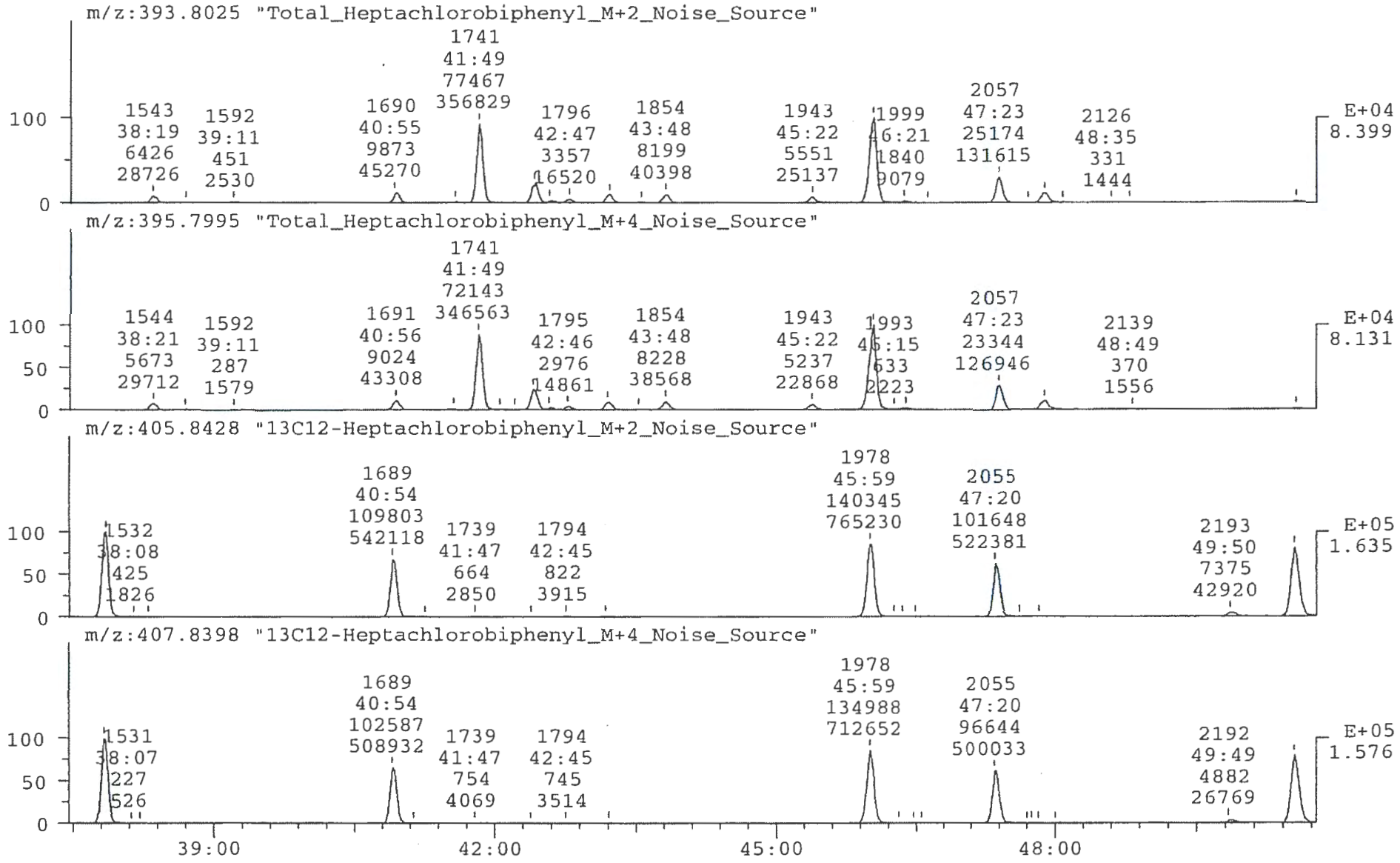
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1822 > 1923 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



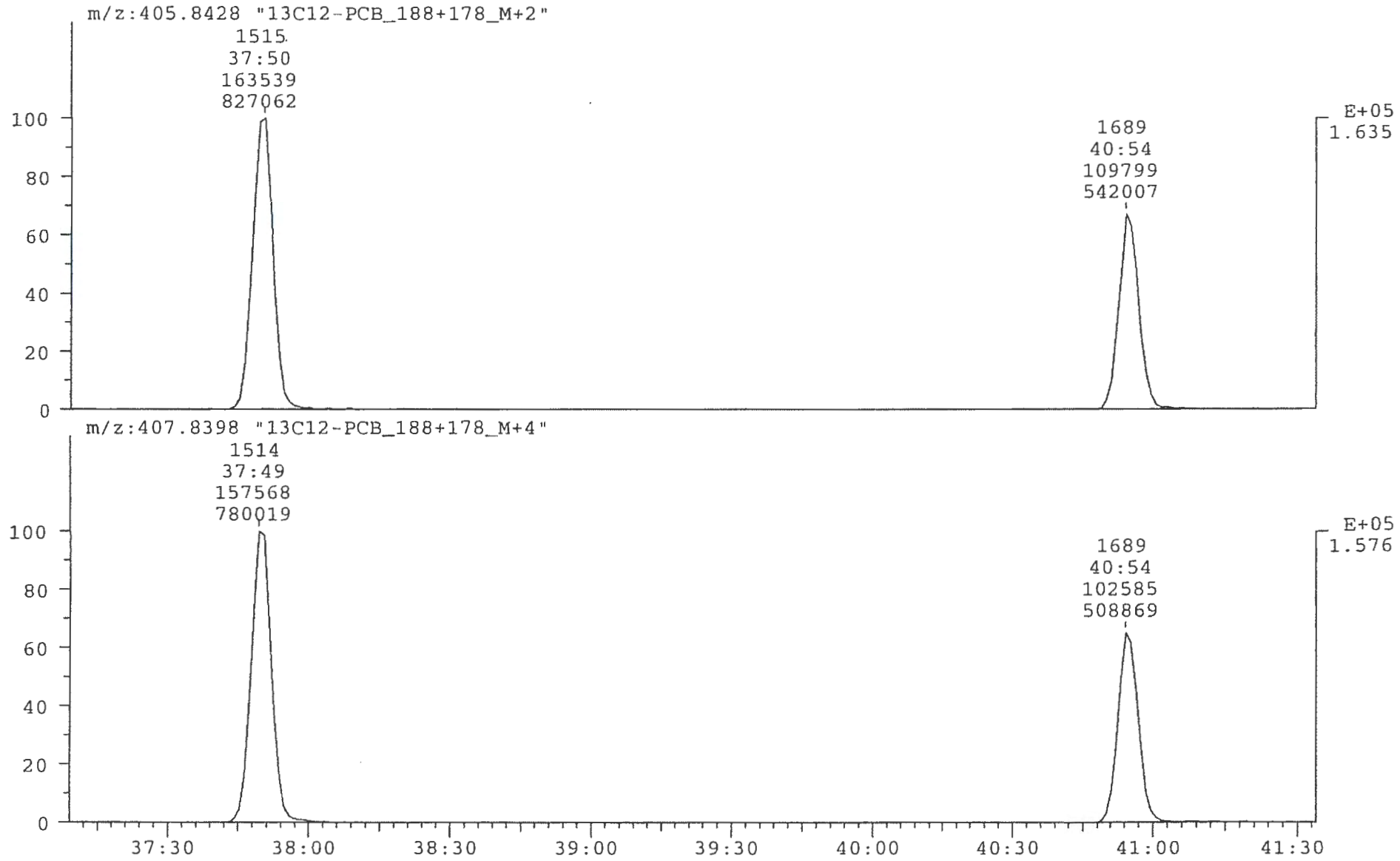
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   2075 > 2112         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



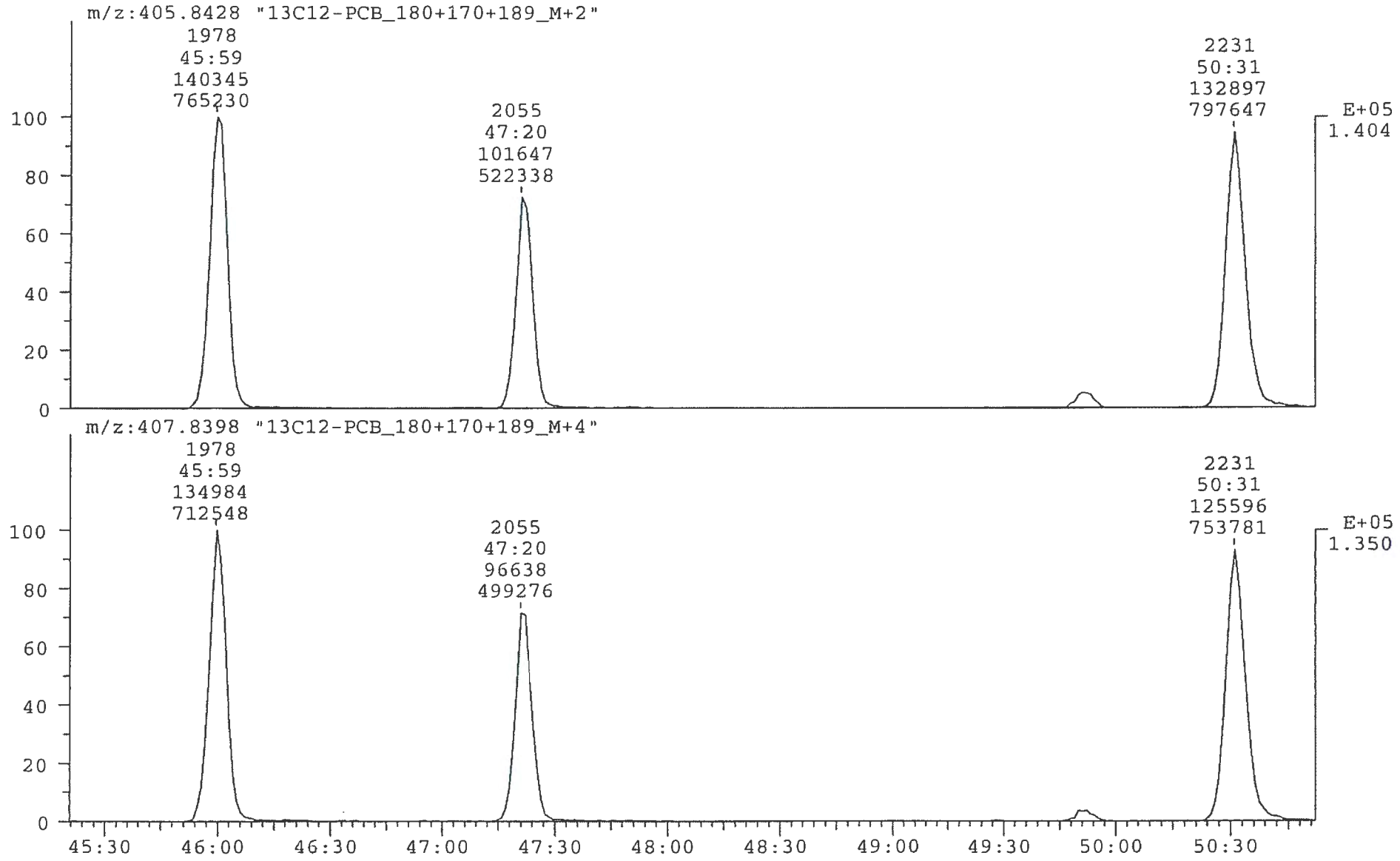
```
CHRO:  apj7v9m                                  12-Oct-07   Elapse:  44:05      1870
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                   Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001                Inlet :  GC     Vial  12
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
```



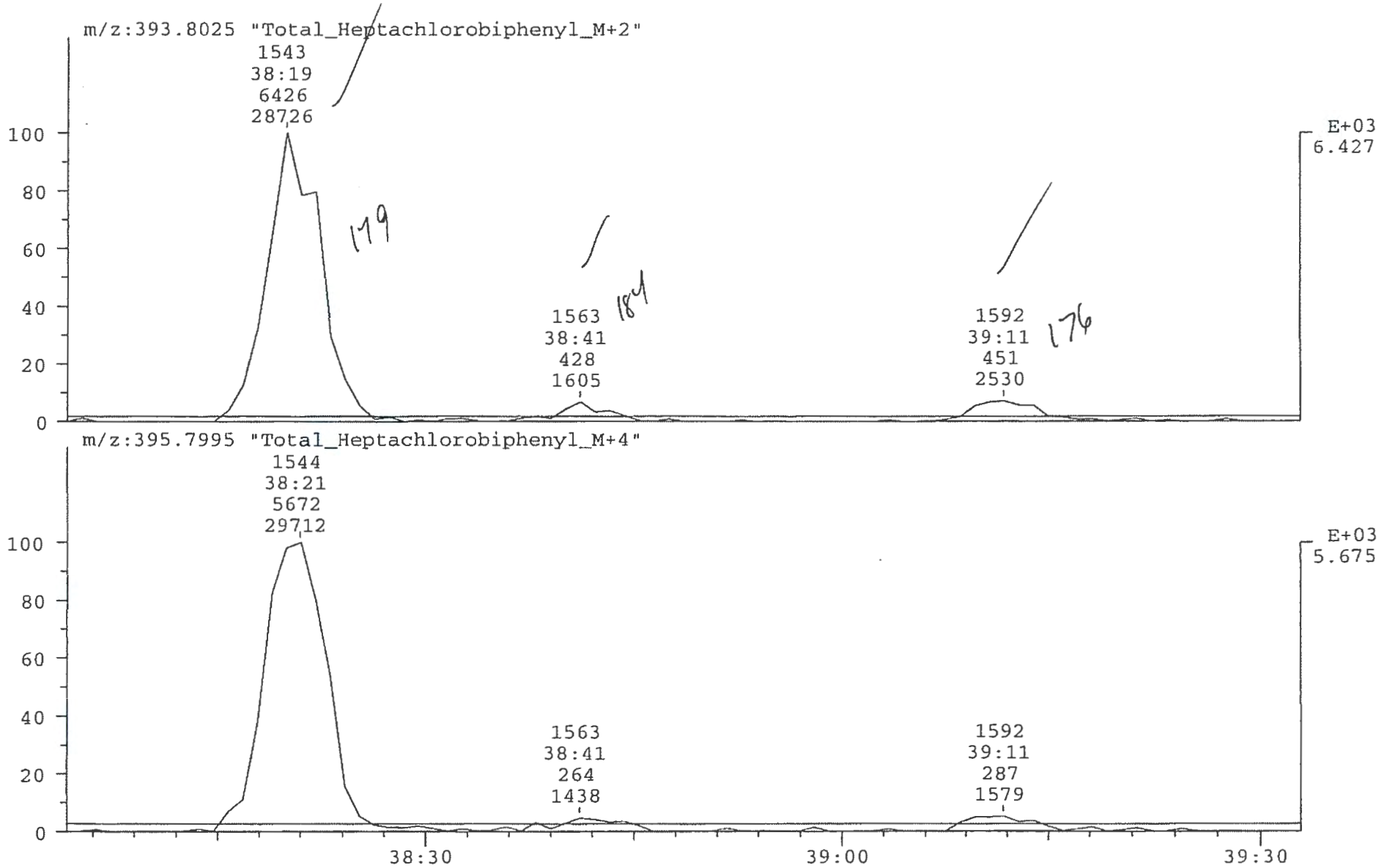
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  39:21      1601
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
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
```



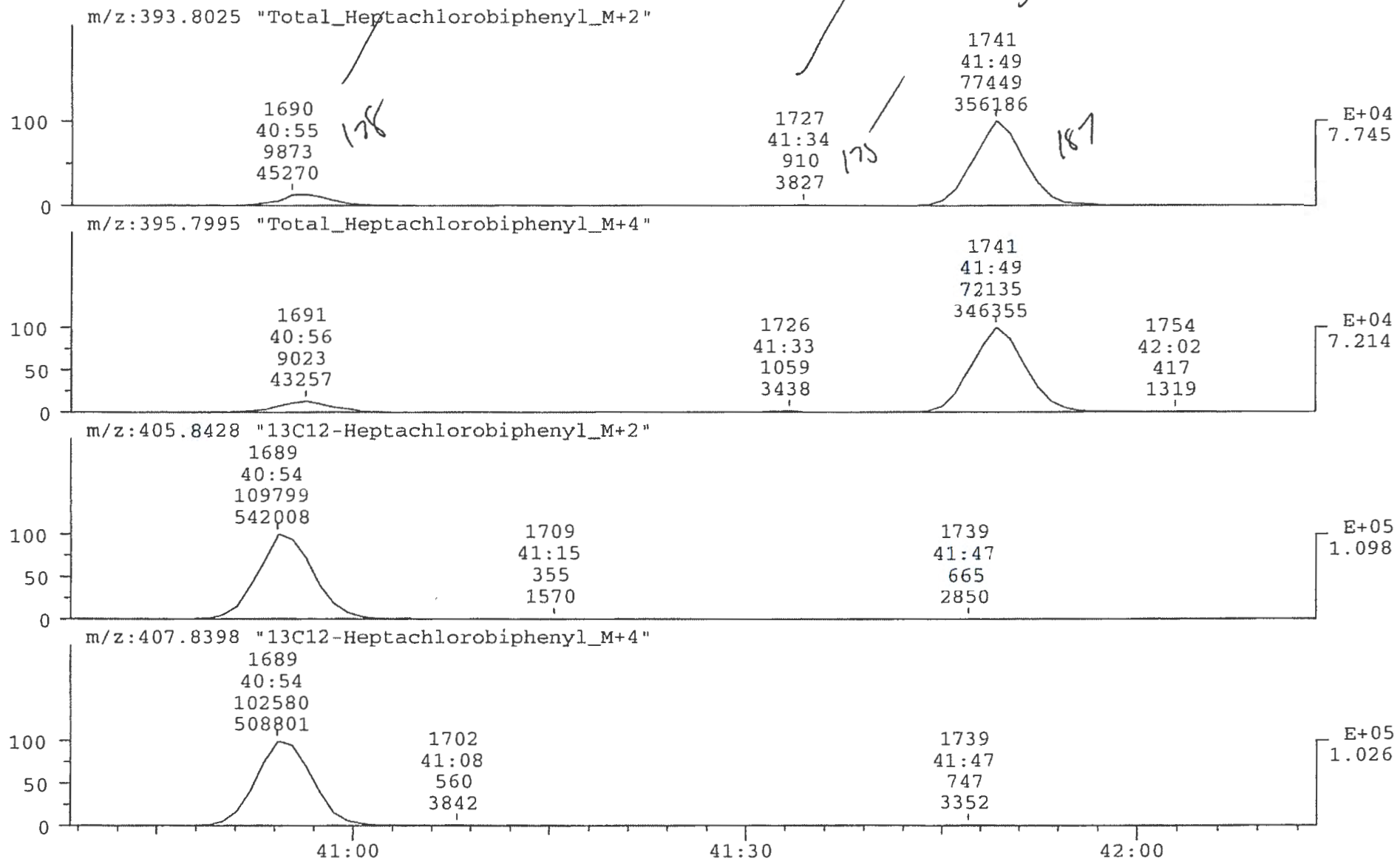
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  48:09      2101
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
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
```



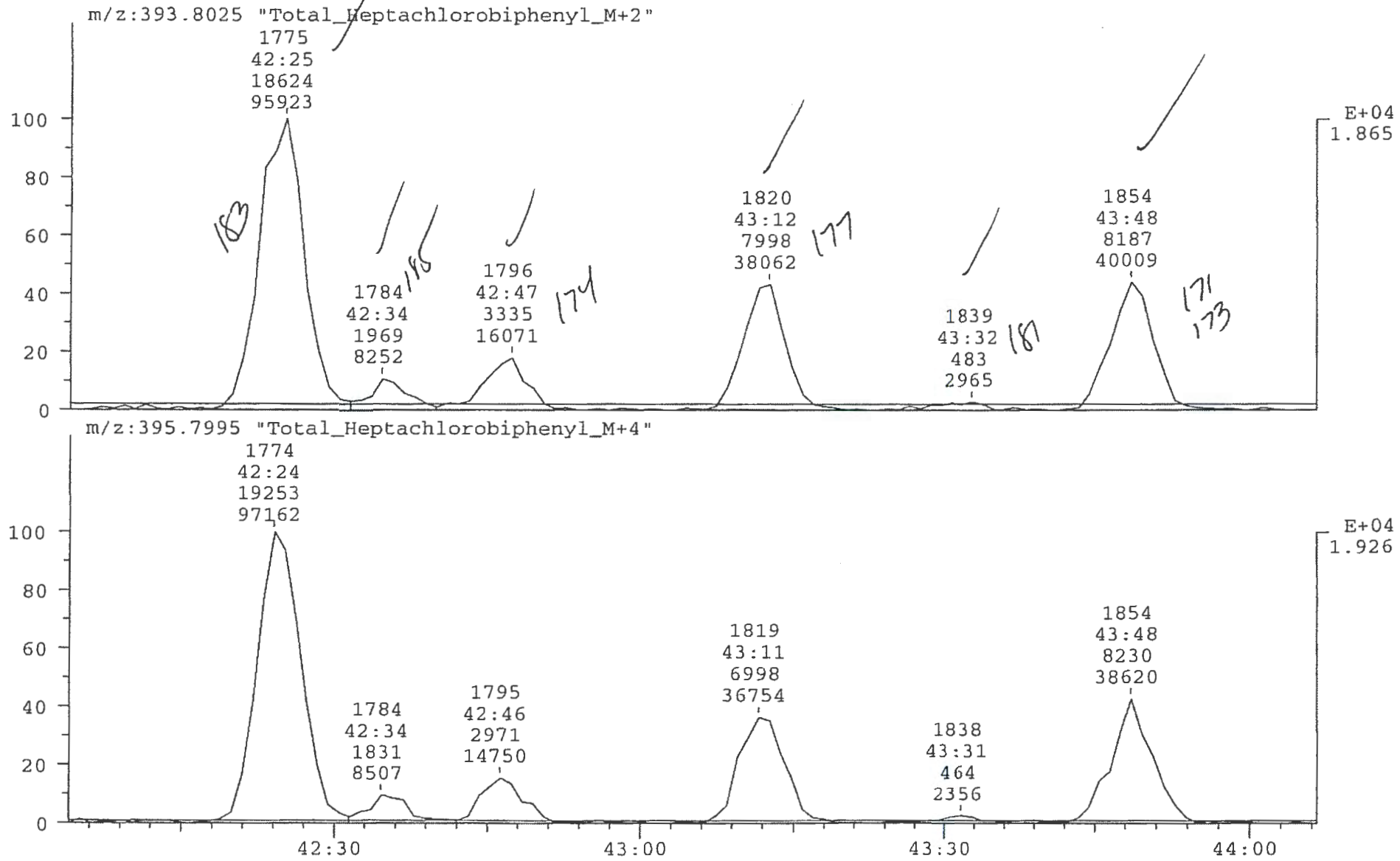
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1528 > 1612 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



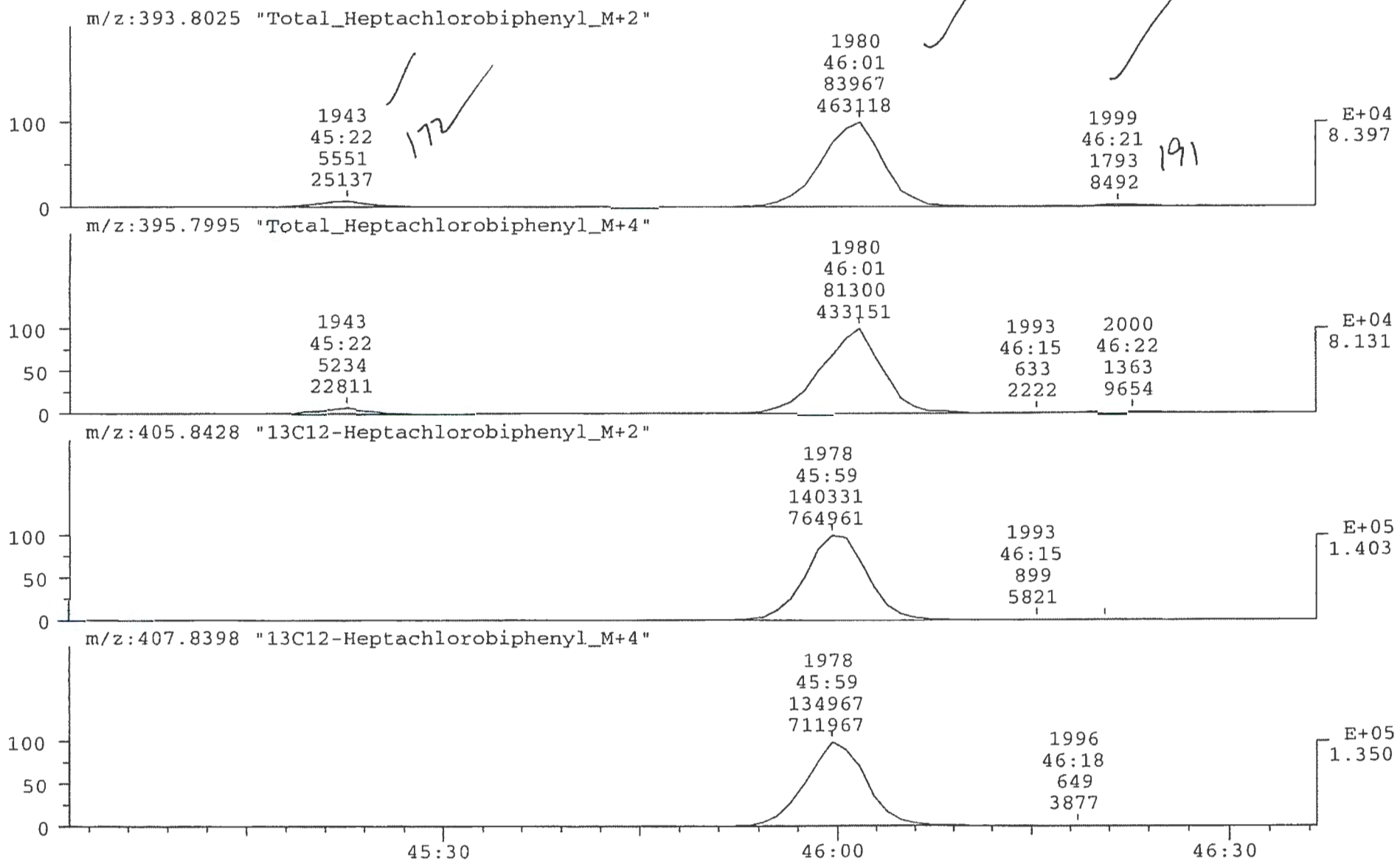
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1674 > 1764 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3, 0
Disp: Height Area



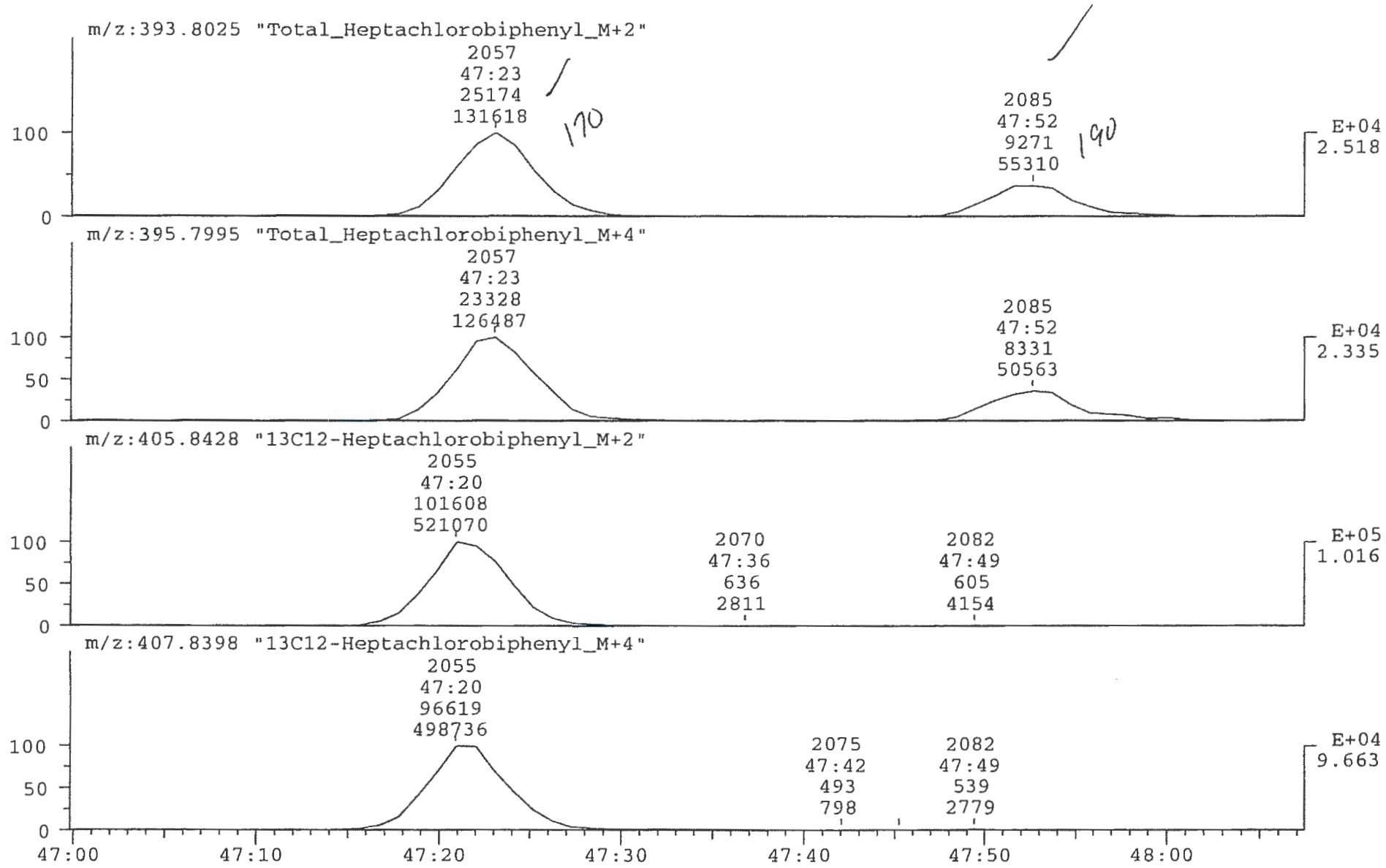
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1755 > 1871 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



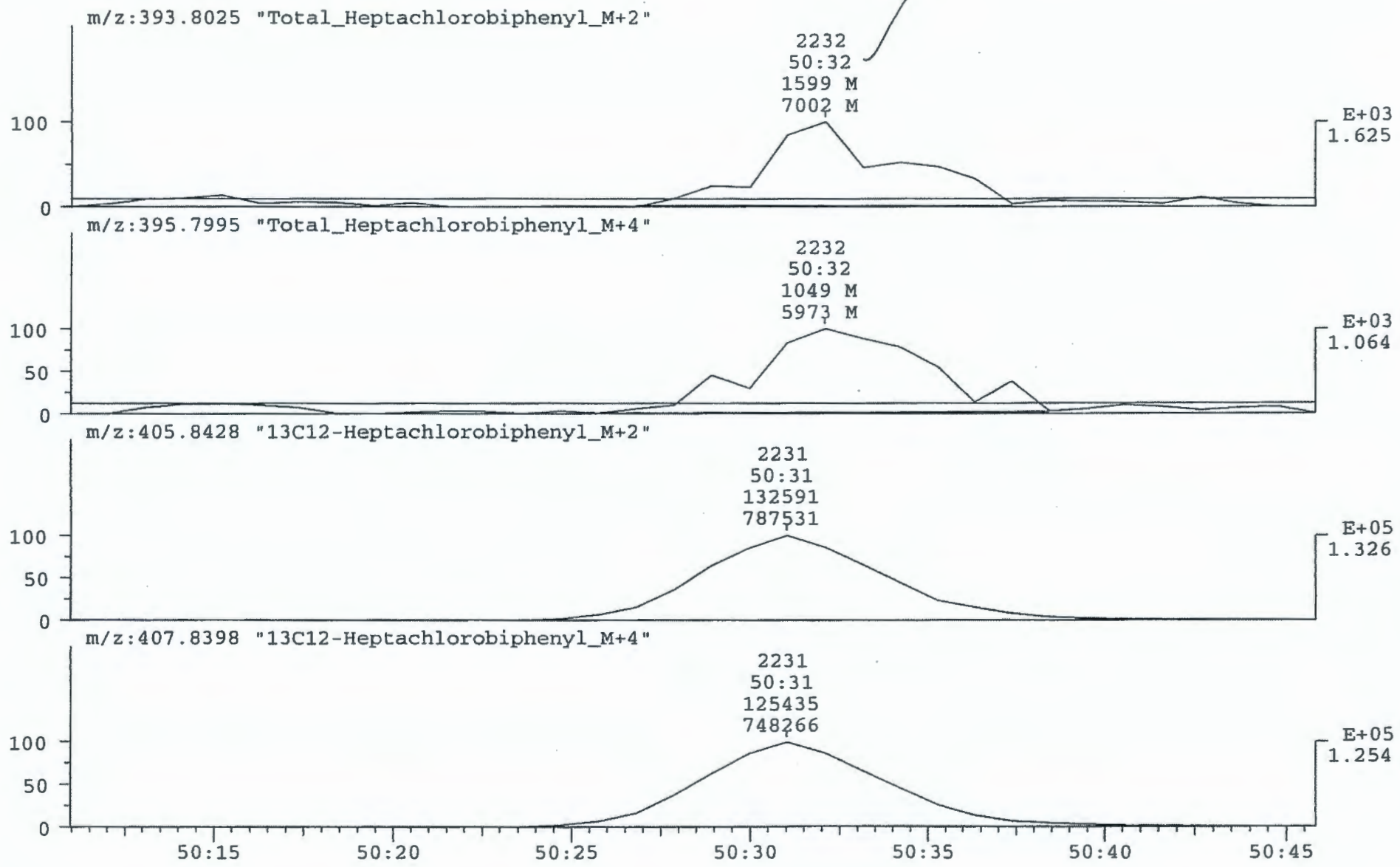
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1923 > 2013 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



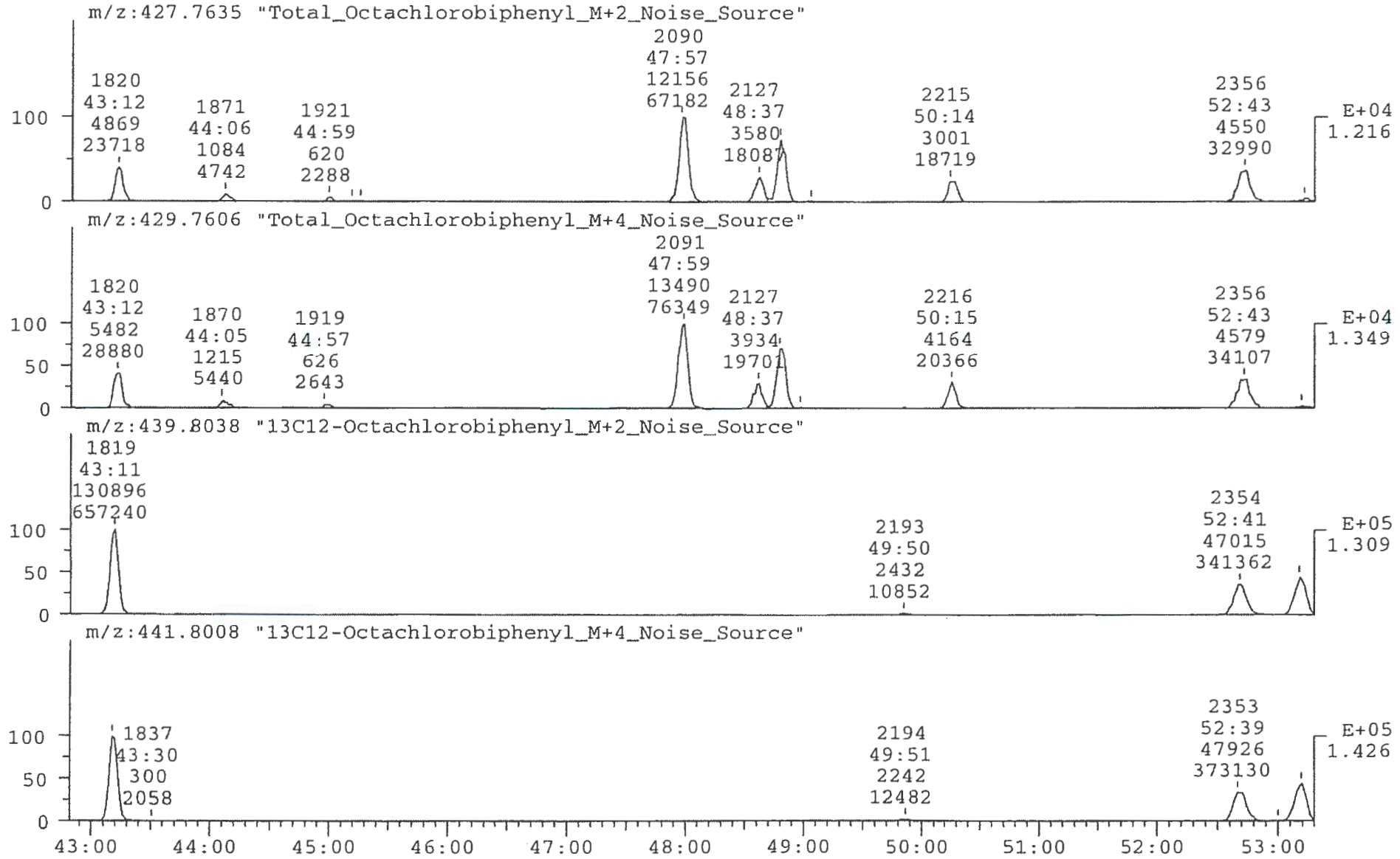
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 2035 > 2099 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



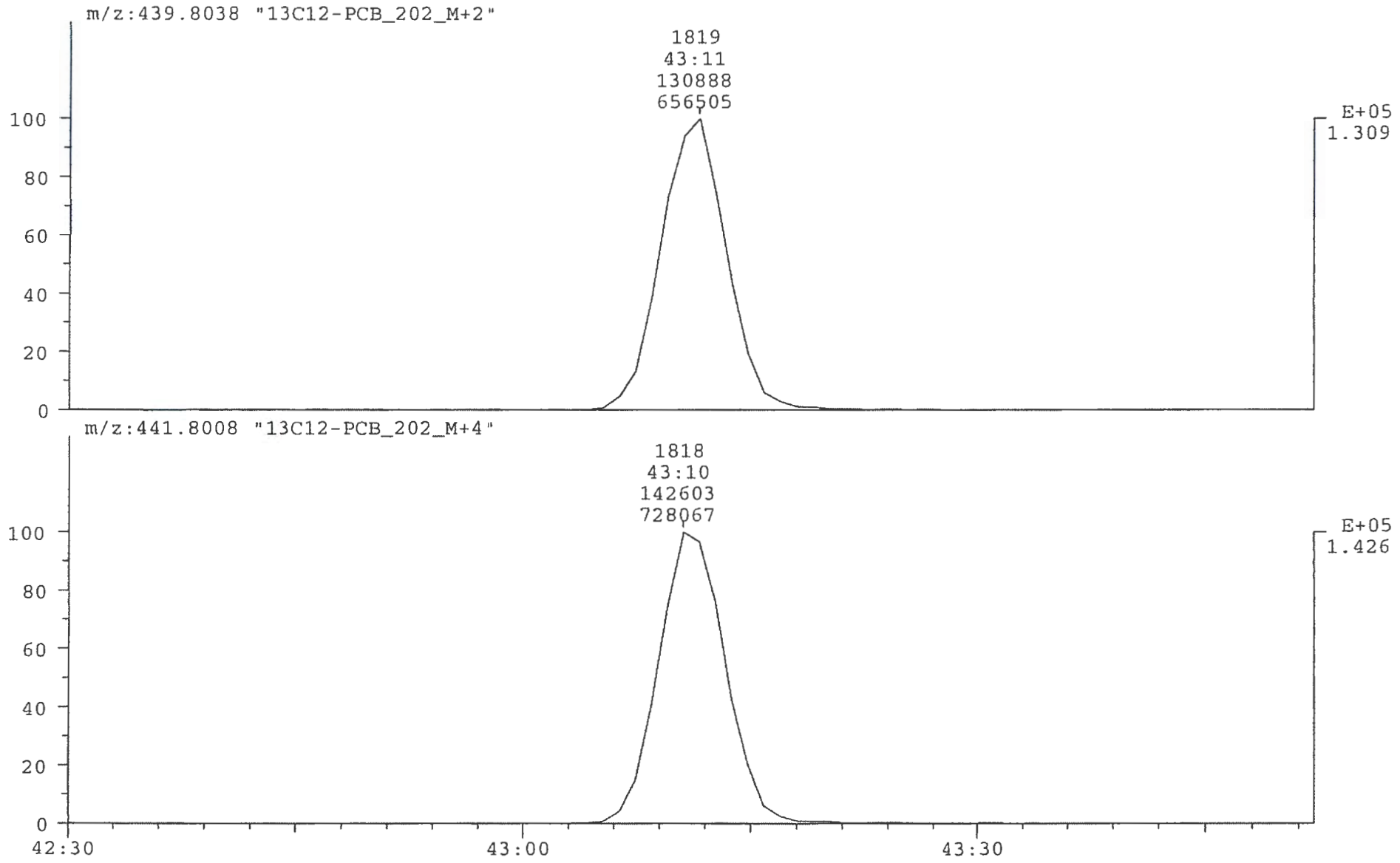
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG . Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 2212 > 2245 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



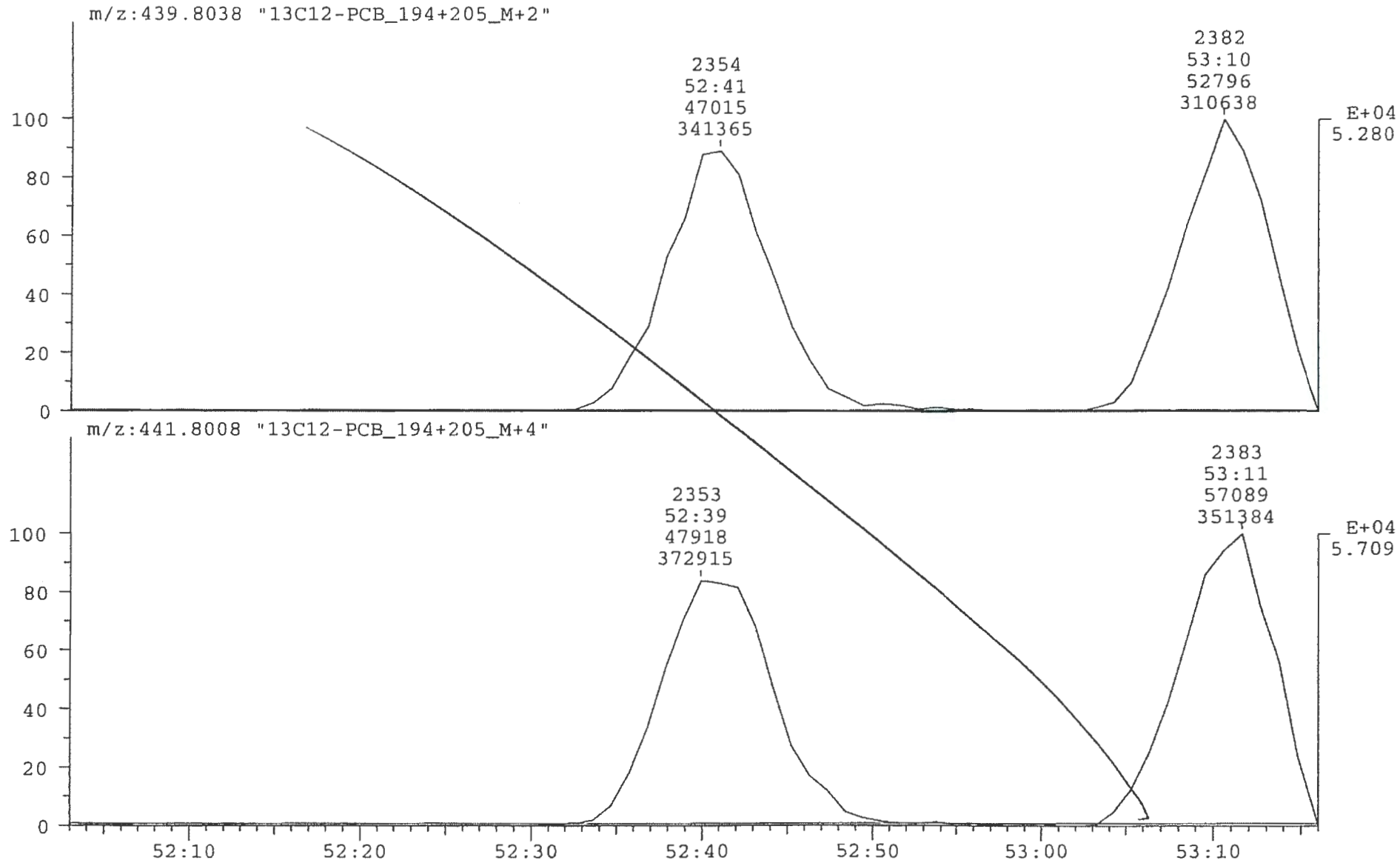
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  48:03      2095
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   1798 > 2389         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



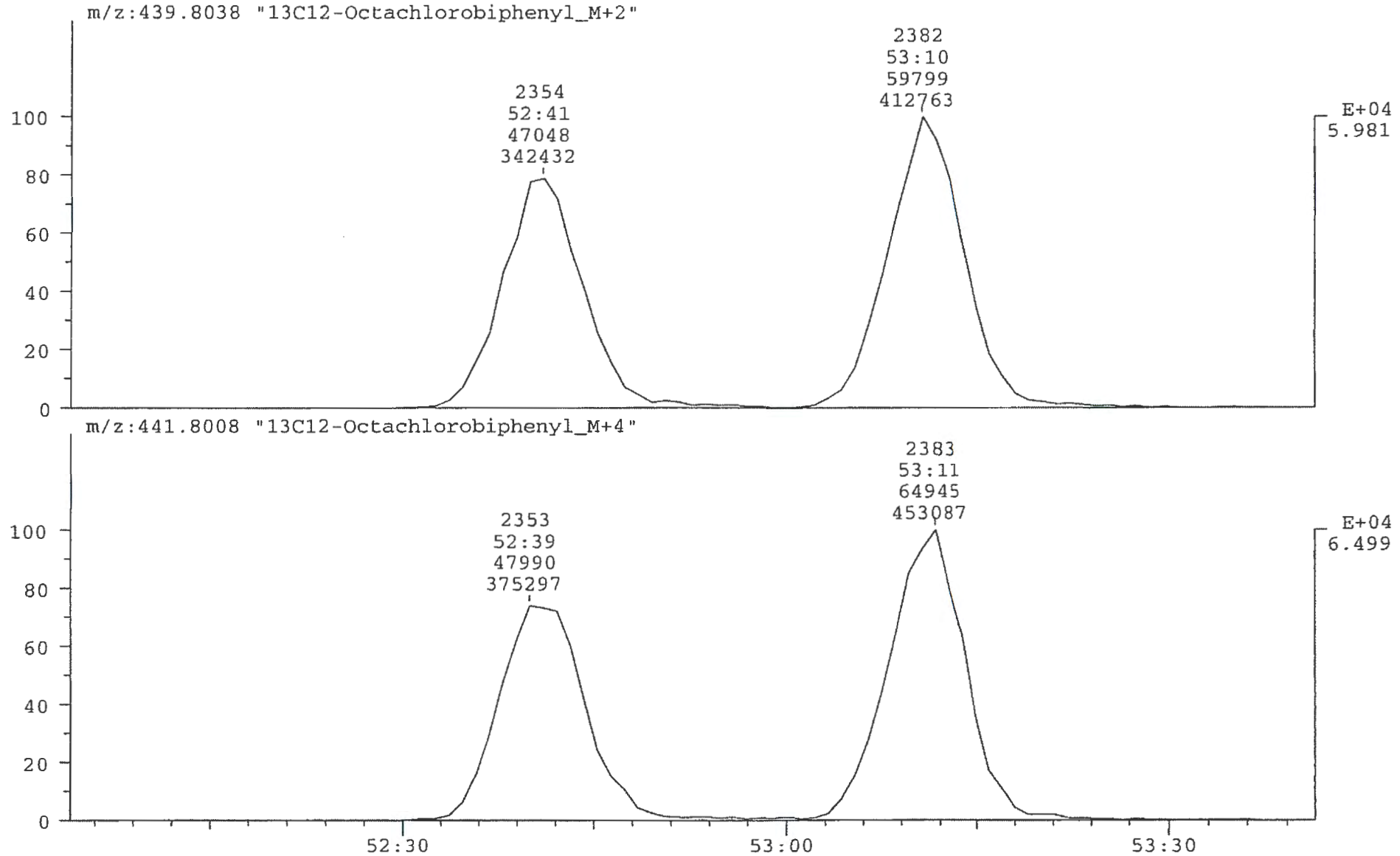
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  43:08      1816
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   1780 > 1857         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



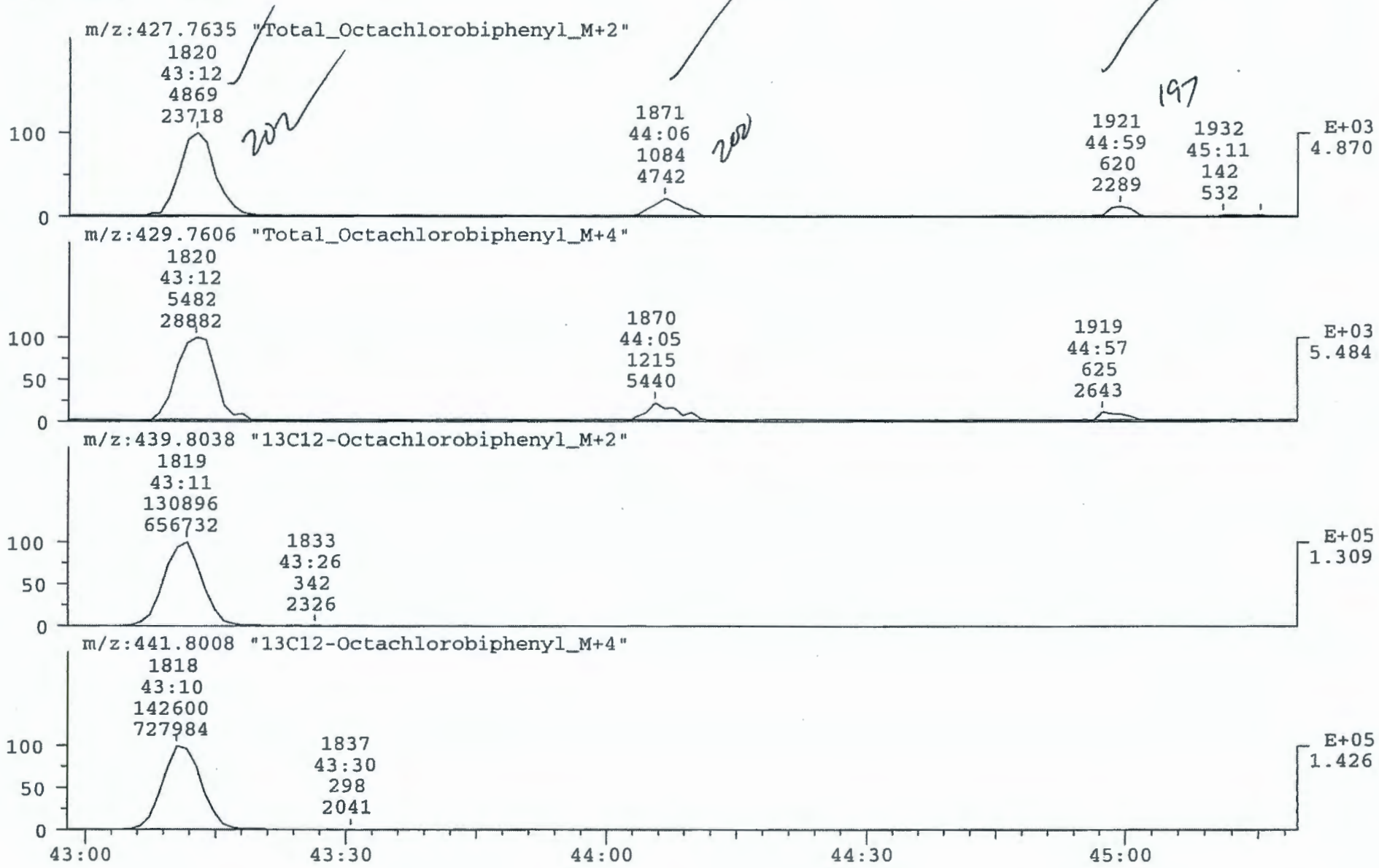
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  52:38      2352
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   2318 > 2387         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



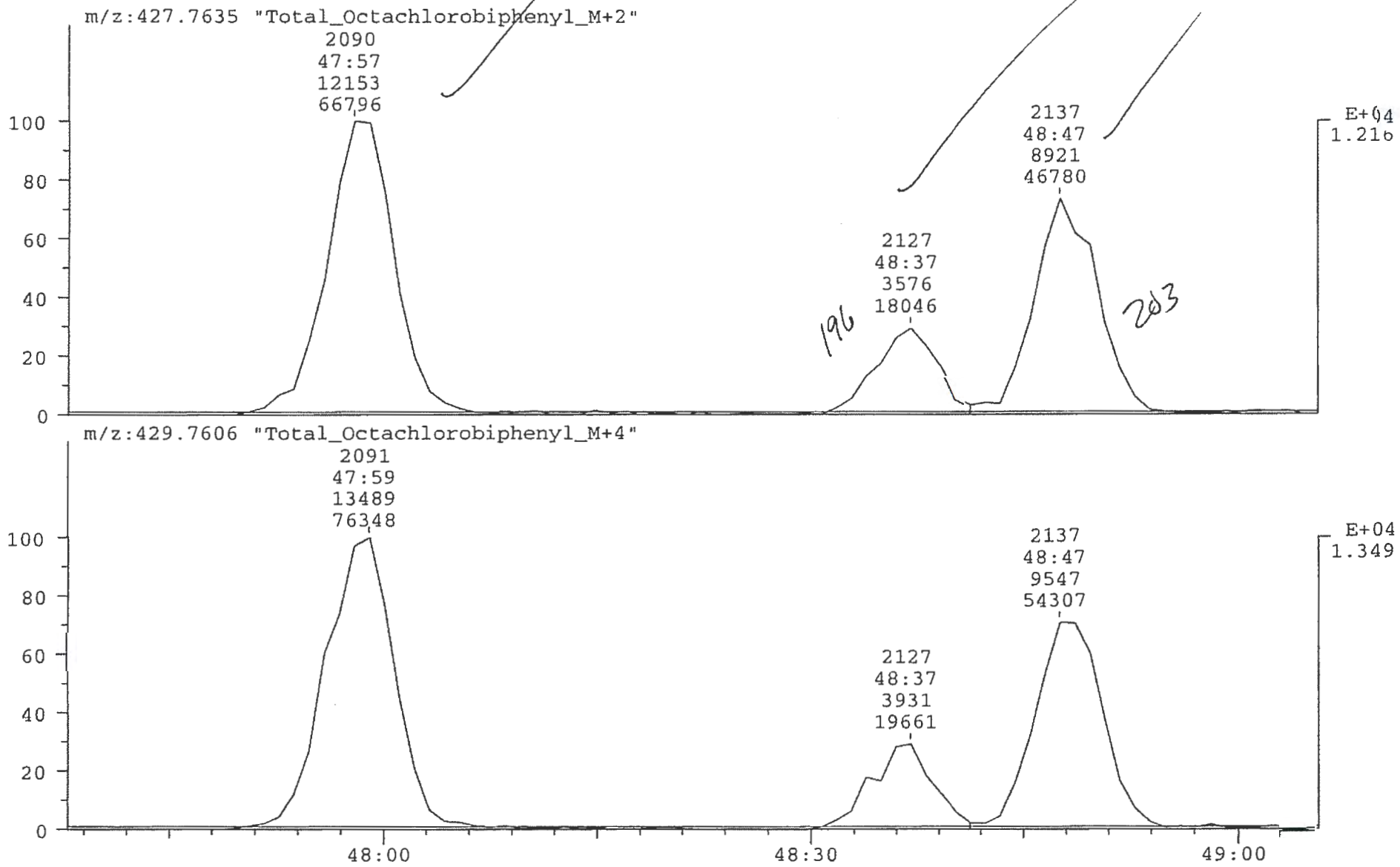
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   2319 > 2411         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  3, 3.0
Disp:  Height  Area
```



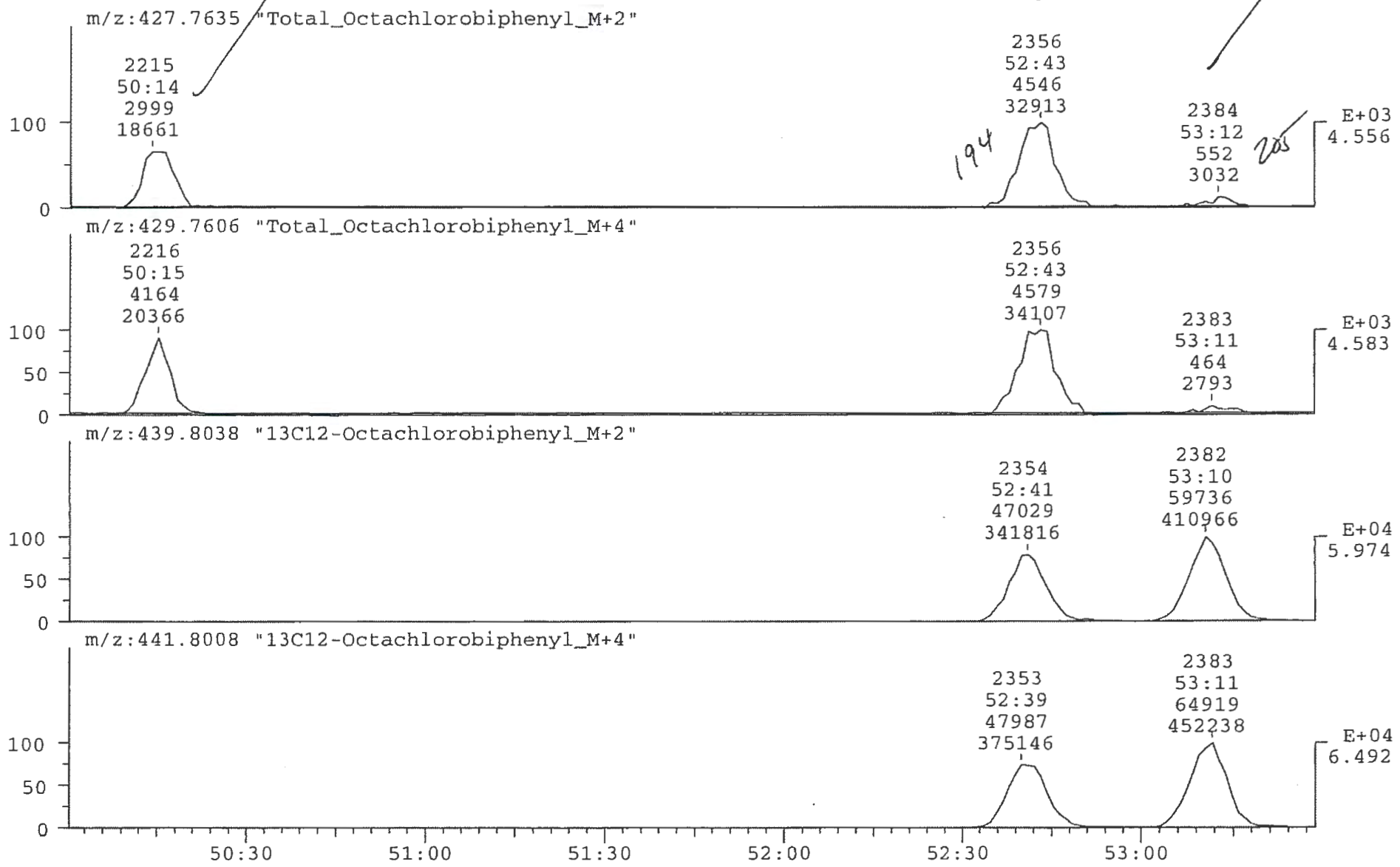
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 1806 > 1940 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



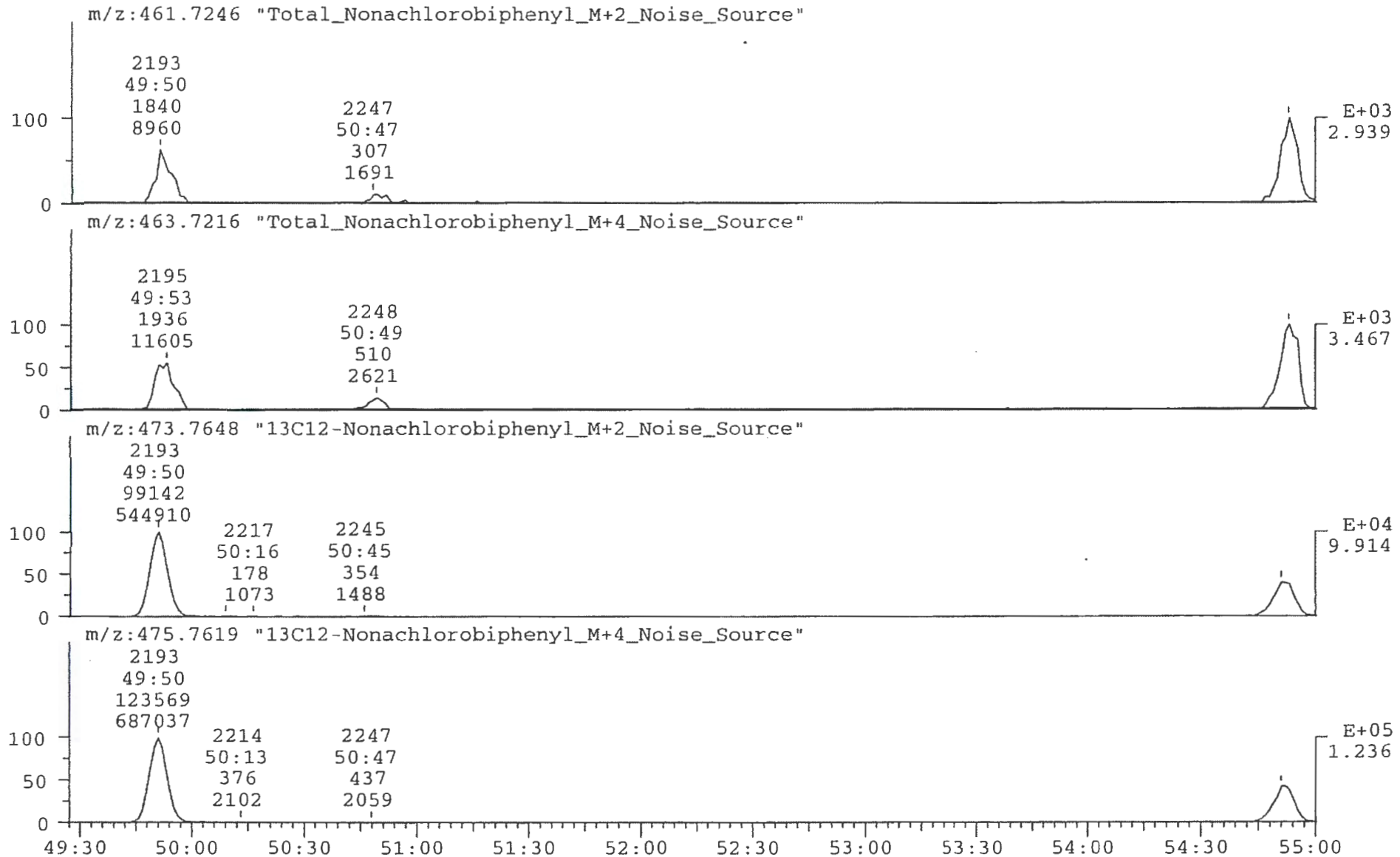
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070113i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 2071 > 2154 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



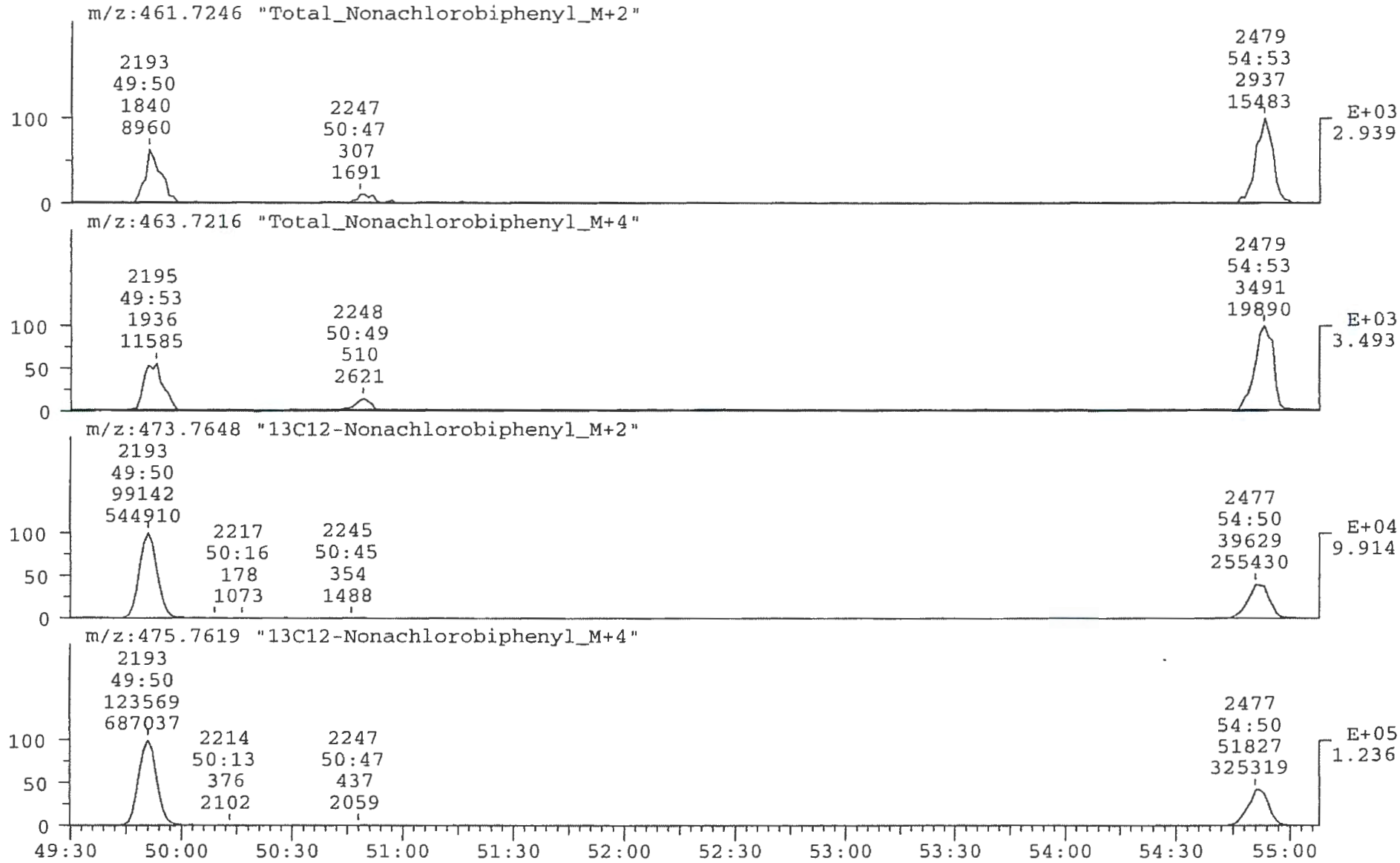
CHRO: apj7v9m 12-Oct-07 Elapse: 40:13 1650
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 2202 > 2399 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



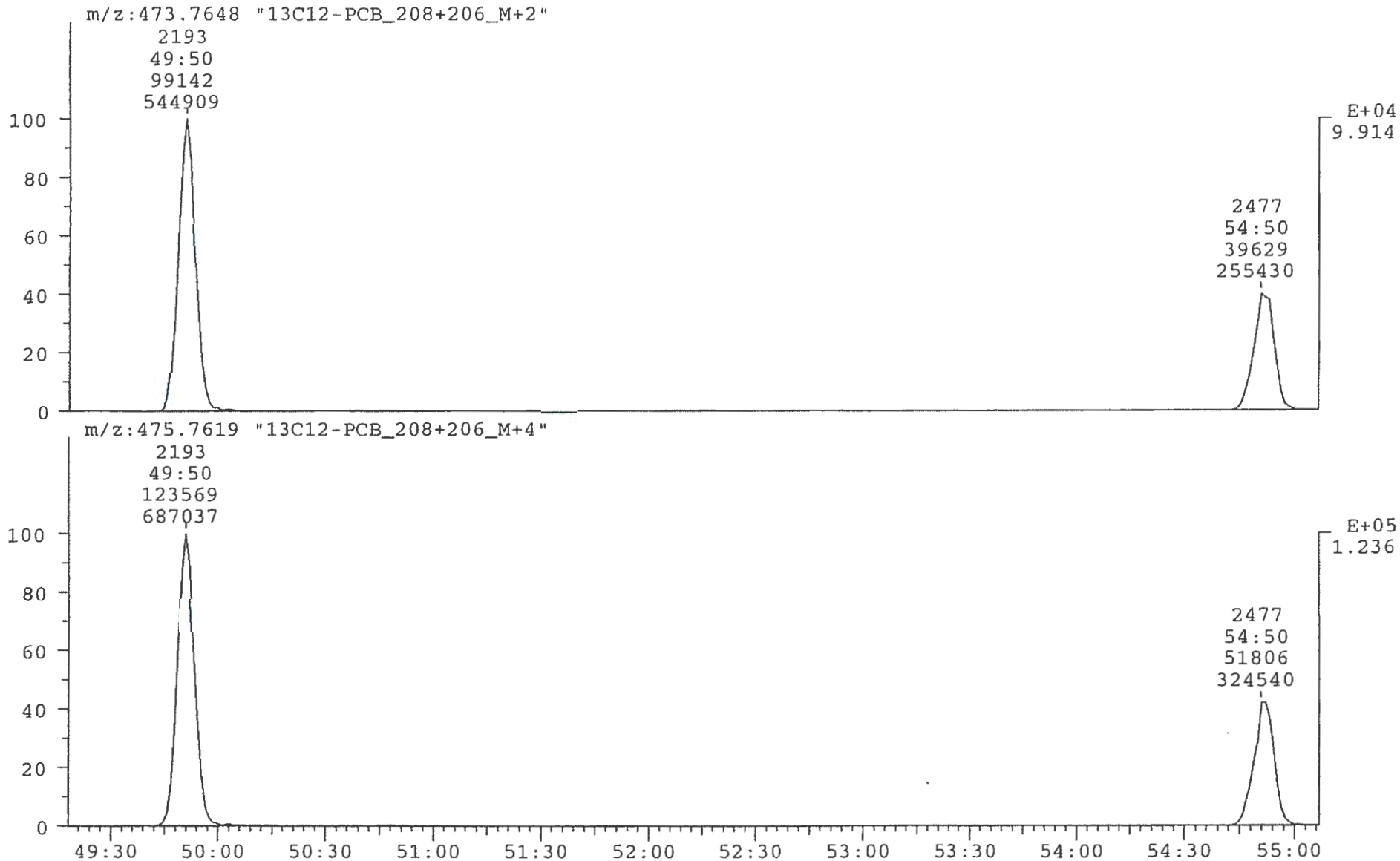
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  52:13      2328
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   2170 > 2486         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



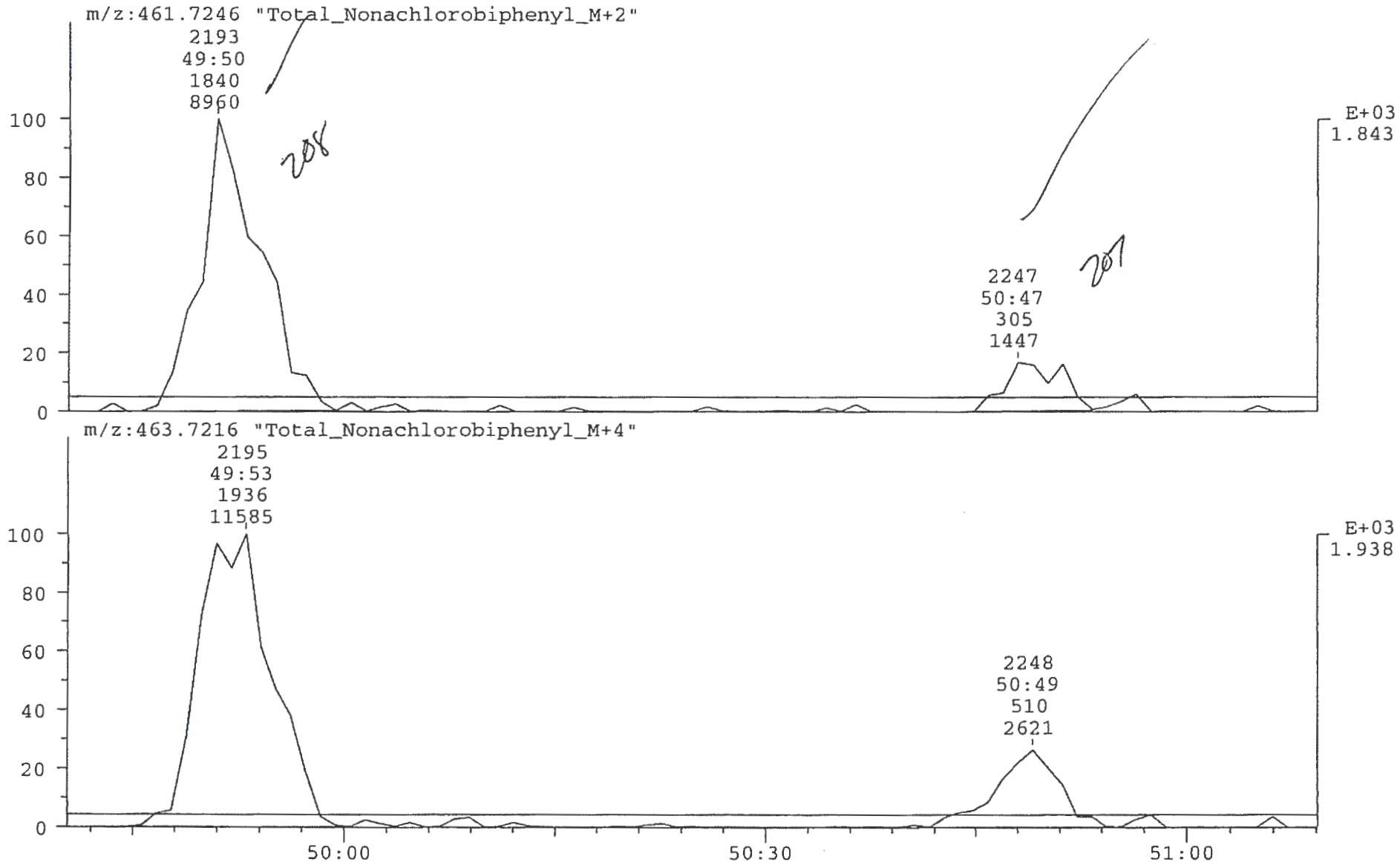
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
Peak:  100.00  ppm      Label wndw:   2173 > 2493         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



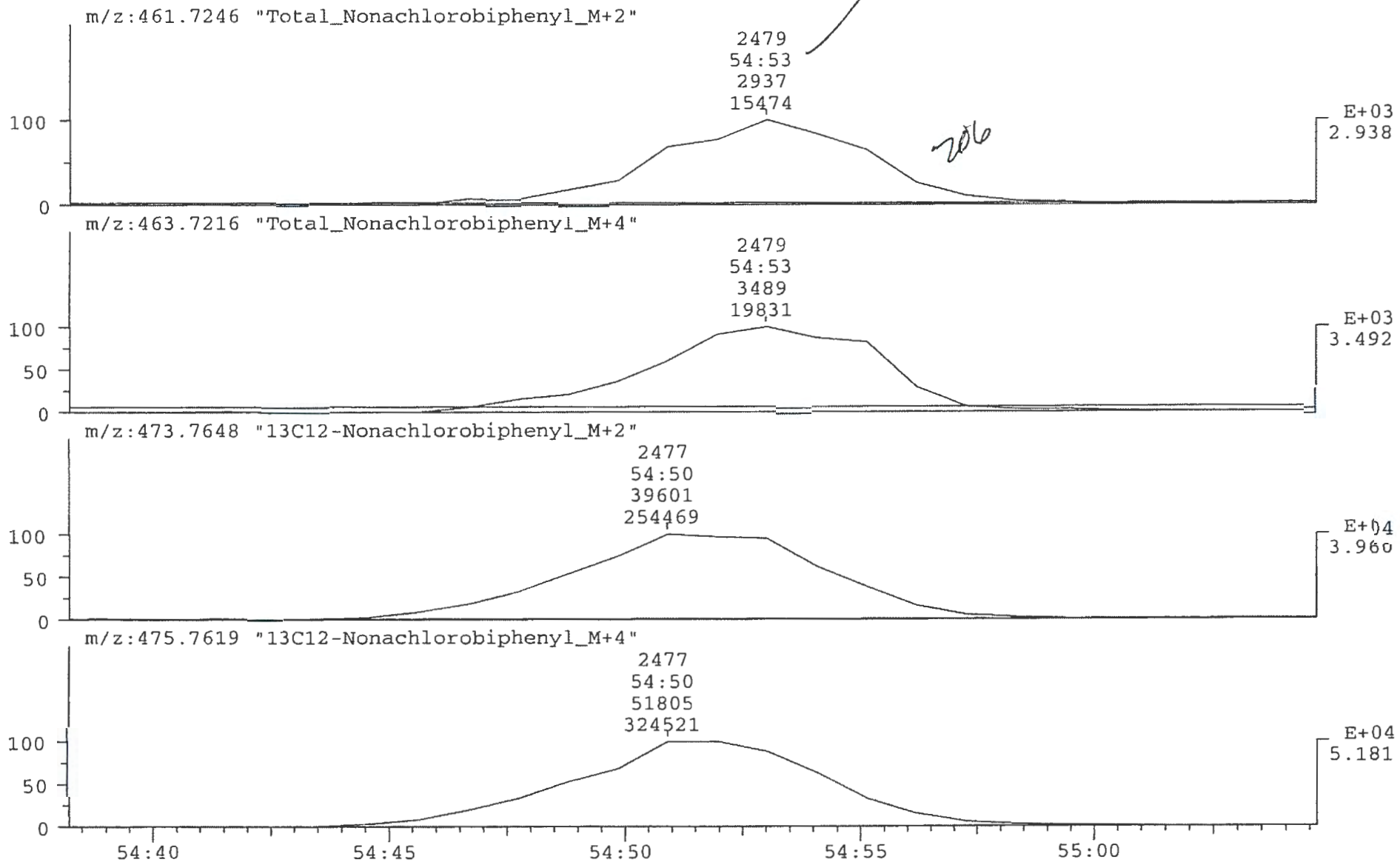
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  52:12      2327
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial 12
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
```



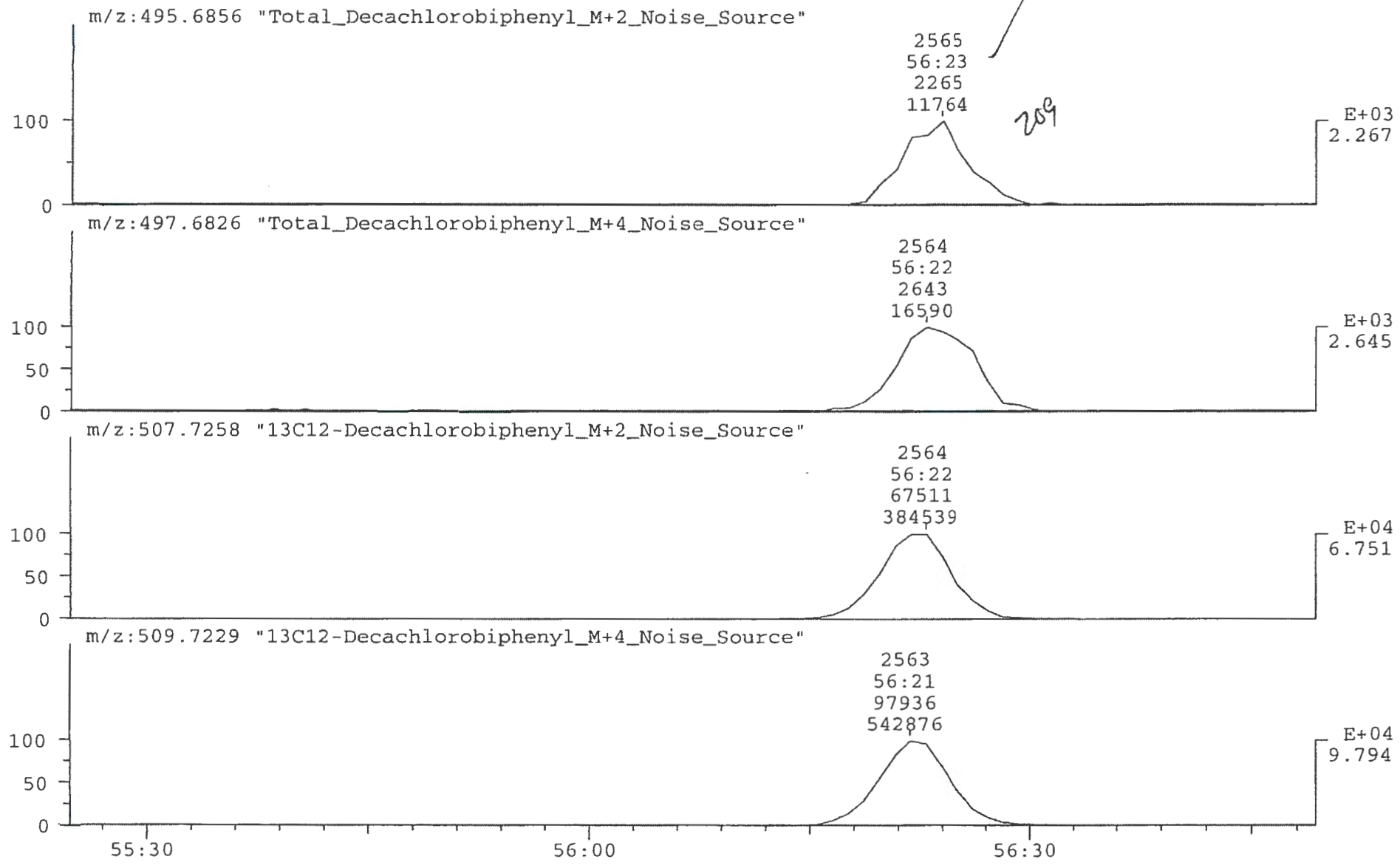
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial 12
Peak:  100.00  ppm      Label wndw:   2183 > 2267         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



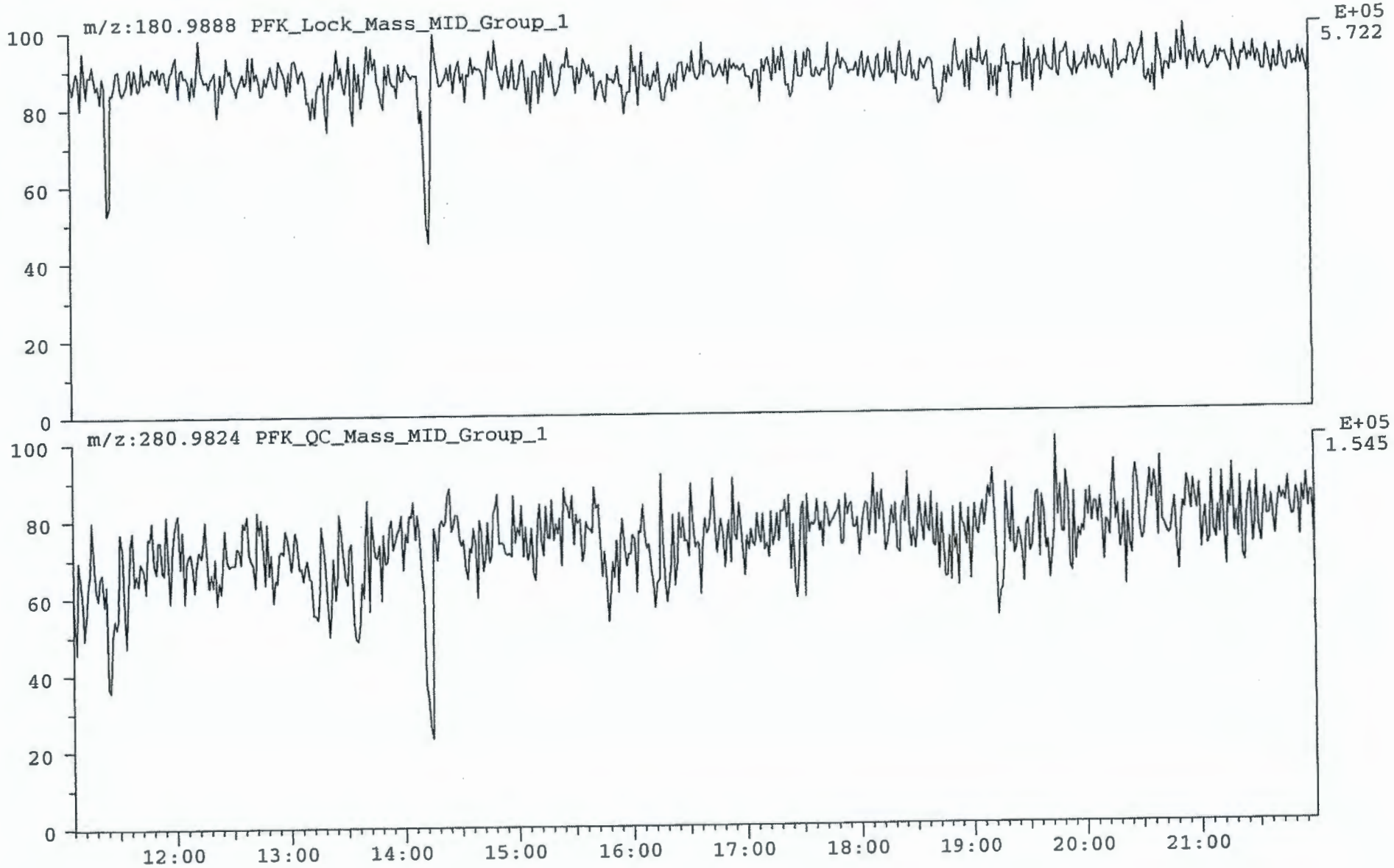
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  40:13      1650
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial 12
Peak:  100.00  ppm      Label wndw:   2465 > 2490         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



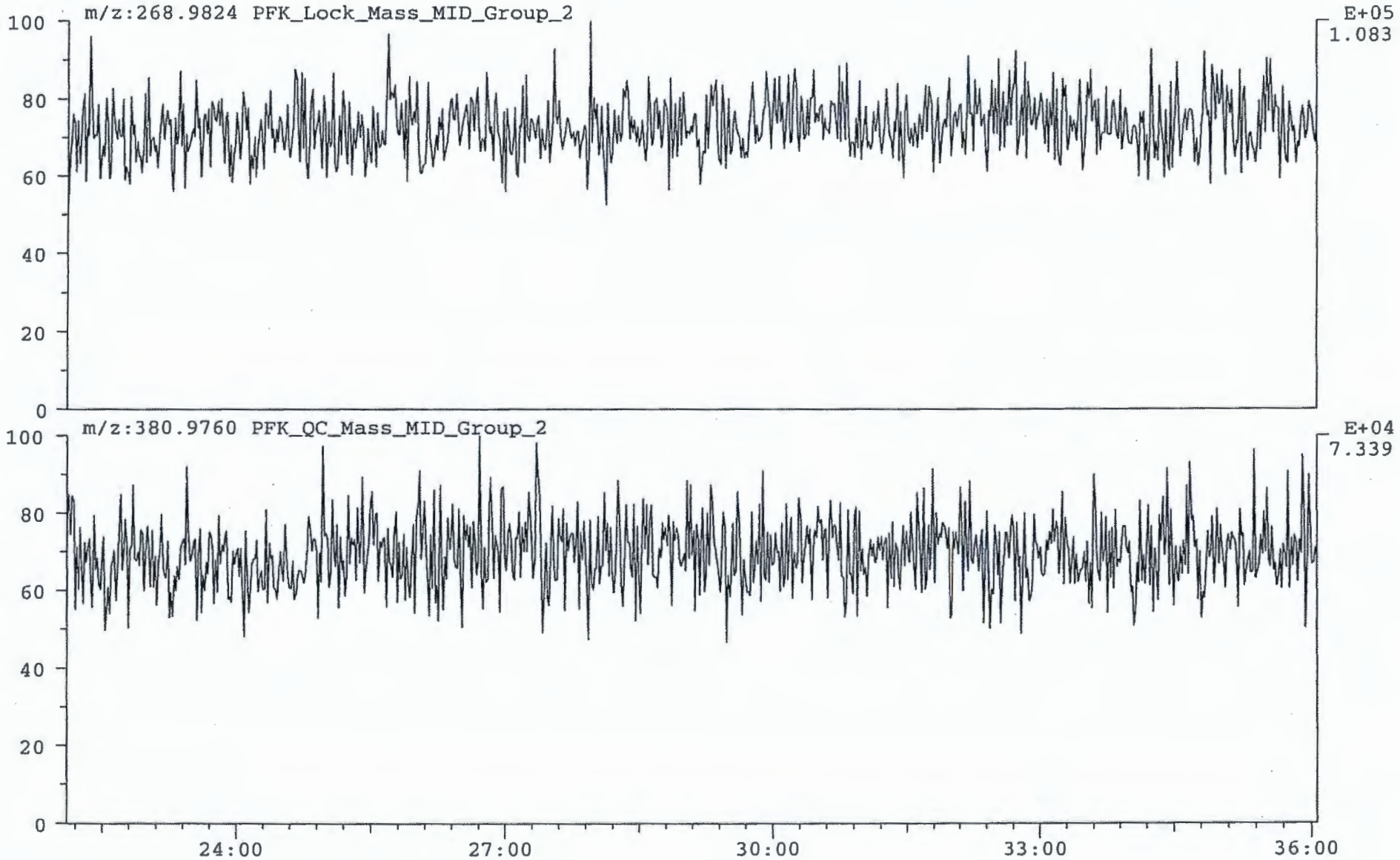
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  56:12      2554
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial  12
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
```



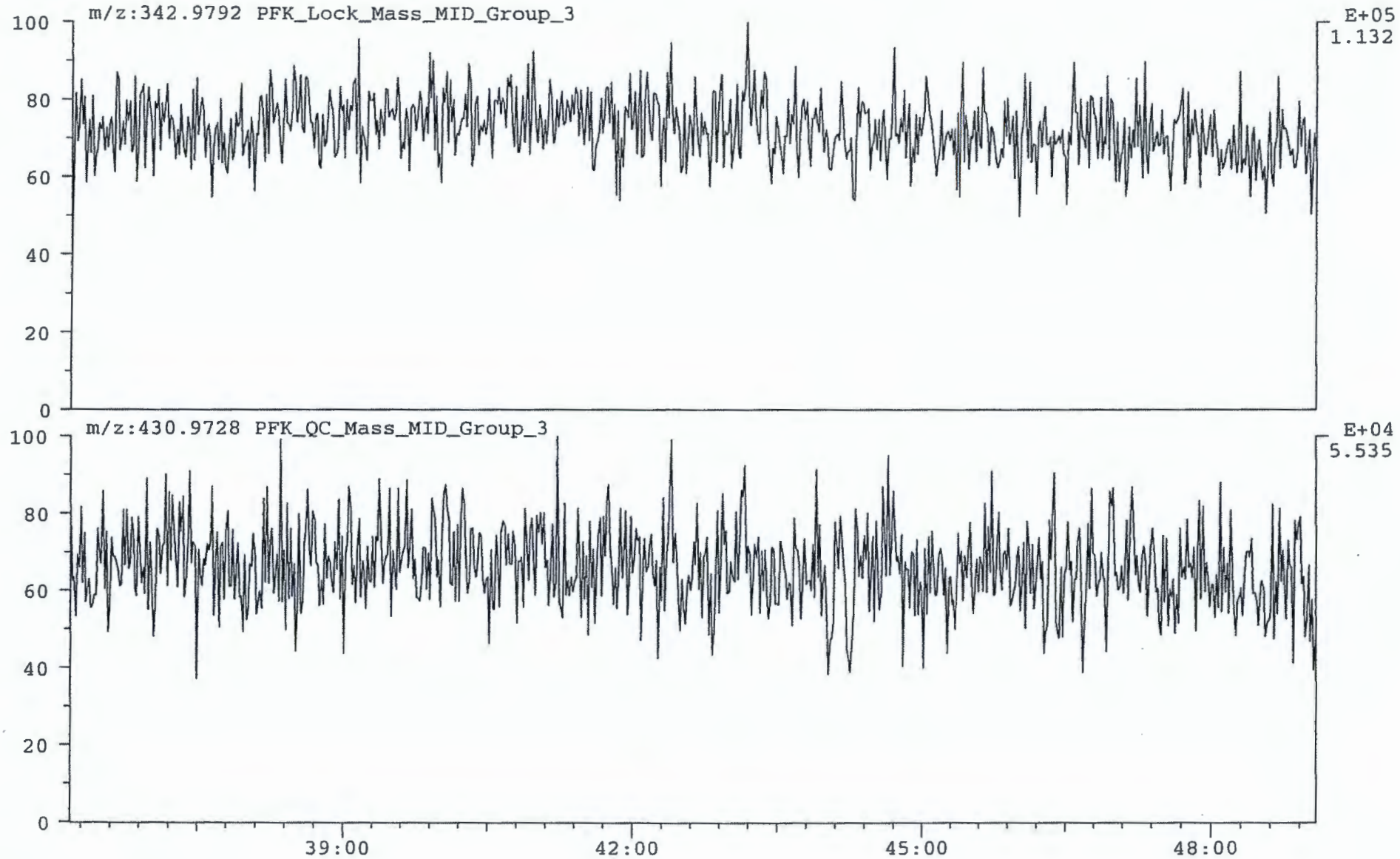
CHRO: apj7v9m 12-Oct-07 Elapse: 56:12 2554
Samp: Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1 Start : 15:25:29 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001 Inlet : GC Vial 12
Peak: 100.00 ppm Label wndw: 6 > 623 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area



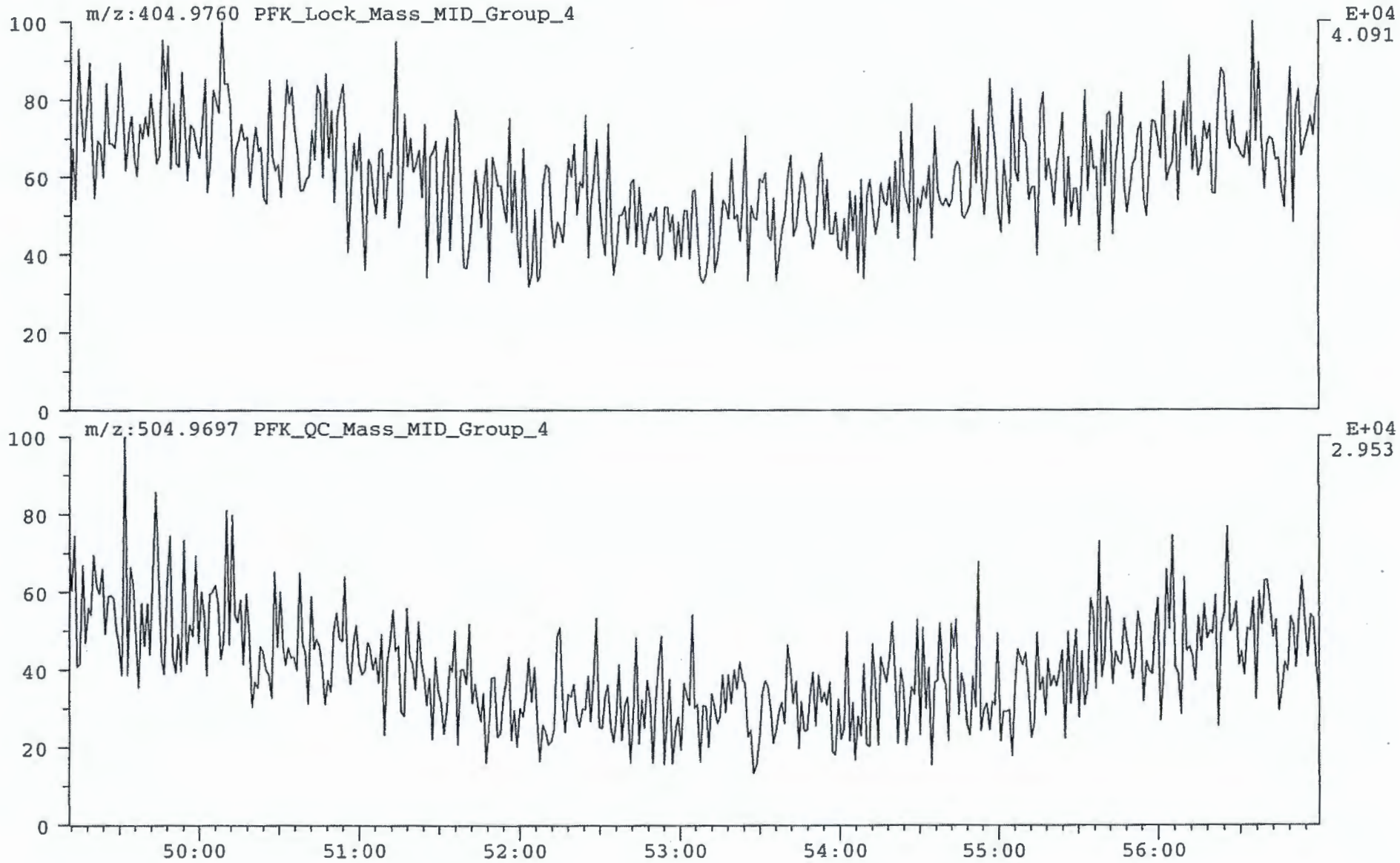
```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  56:12      2554
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG          Client:  H7I280209-001                Inlet :  GC     Vial 12
Peak:  100.00  ppm     Label wndw:   626 > 1418           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  0, 0.0
Disp:  Height  Area
```



```
CHRO:  apj7v9m                                12-Oct-07   Elapse:  56:12      2554
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                 Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001              Inlet :  GC     Vial 12
Peak:  100.00  ppm      Label wndw:   1421 > 2153         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  0, 0.0
Disp:  Height  Area
```



```
CHRO:  apj7v9m                                12-Oct-07  Elapse:  56:12      2554
Samp:  Vial 12 WO=j7v9m1aa Meth=IE5 Dil=1                Start :  15:25:29   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7278087 (10.0g)
Oper:  DCG          Client:  H7I280209-001               Inlet :  GC     Vial 12
Peak:  100.00  ppm     Label wndw:   2155 > 2598         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: apj7v9m
Study: 7278087 (10.0g)
Sample: WO=j7v9m1aa Meth=IE5 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: H7I280209-001
Comments: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Injected volume: 2.00
Sample from Vial 12
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 1 of list 071012
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	14:05 min	36:05 min	1.00 sec
# 3	36:05 min	13:00 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: 2u1
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	180.9888	BQUAD	0.0000	CAPIL	0.0000
CAPTEMP	359.9988	CAPTSET	200.0000	CCURR	3.8824
CORONA	0.0000	CYCLE	0.0000	DELAY	0.0000
DITEMP	0.1954	DITSET	0.0000	DRAW	-58.0000
DRAWC	1.0000	DRAWS	-0.0050	ECORR	0.9986
ECURR	1.0000	EDAC	7969177.0000	EDACG	1.0001
EDACR	23.0000	EDACZ	-474.0000	ELEN	70.7500
EMULT	1.8800	ENS	215.0000	ERATIO	1.0000
ESA	763.8000	ESICUR	10.0011	ESIPAR	0.0000
EXS	145.0000	FDMA	18000000.0000	FLENS	1.0000
FM	20.0000	FMII	50.0000	FQUAD	0.0000
FREQ	600.9615	FSLOPE	54000000.0000	FVANAL	320.0000
FVINLET	279.0000	FVSRC	937.0000	FWIN	0.7000
GCTC	89.0000	GCTI	270.0000	GCTL	280.0000
HACCU	156.0000	HCURR	1.4412	HVANAL	1300.0000
HVSRC	2701.0000	ICAL0	0.0011	ICAL1	0.4030
ICAL2	0.5865	IONEN	4793.6460	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	1637.0000	LENSS	83.6000
LKM	180.9888	LM	800.0000	LMASS	180.9888
LMII	500.0000	MASS	180.9888	MDAC	2349141.2750

MDACR	23.0000	MRANGE	1034.0919	MSFM	2.0000
MSLM	3790.0000	NPEAK	200.0000	NSAM	200.0000
NSCAN	275.0000	NSMAX	8.0000	NSMIN	2.0000
OCT	-2.0000	PSAM	10.0000	PUSHER	-31.0000
RDRAW	0.0000	RDRAWC	0.0000	RECURR	0.0000
RELEN	0.0000	RES	10099.9637	RFAMP	799.9987
RFCUR	100.0110	RPUSHER	0.0000	RWIN	2.0000
SACCU	2.0000	SCIDLE	1.0000	SHIELD	2312.0000
SHIELDS	0.4000	SHIGH	180.0000	SKIM	7.0000
SLOW	60.0000	SPRAY	8.0000	SS	3.0000
SW	0.0500	TANAL	420.2300	TCURR	0.9375
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	1.6400	USERVAR	0.0000	VAPTEMP	599.9997
VAPTSET	400.0000	VMASS	180.9888	XLENS	2500.0000
XLENSS	25.0000	YLENS	2047.0000	YLENSS	-70.4000

Scantype is electric
Sourcemode is EI POS

Analysis started at: 12-Oct-07 15:25:29.9

Autosampler has injected sample from vial 12
MID Time Window 1: Resolution is 9049
MID Time Window 2: Resolution is 8967
MID Time Window 3: Resolution is 10086
MID Time Window 4: Resolution is 10657
Analysis stopped at: 12-Oct-07 16:22:32.8 (run time 57.03 minutes)
Analysis stopped because MID run finished

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	**Work Order #....:**	J7V9M1AD	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.0010**	**Q B J**	**0.010**	**0.00059**	**ng/g**
PCB 2 (BZ)	ND		0.010	0.00080	ng/g
PCB 3 (BZ)	ND		0.010	0.0011	ng/g
PCB 4 (BZ)	**0.0028**	**Q B J**	**0.020**	**0.0016**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.0012	ng/g
PCB 6 (BZ)	ND		0.010	0.0011	ng/g
PCB 7 (BZ)	ND		0.010	0.0011	ng/g
PCB 8 (BZ)	**0.0064**	**Q B J**	**0.020**	**0.0011**	**ng/g**
PCB 9 (BZ)	ND		0.010	0.0011	ng/g
PCB 10 (BZ)	ND		0.010	0.0012	ng/g
PCB 11 (BZ)	**0.0059**	**Q B J**	**0.020**	**0.0011**	**ng/g**
PCB 12 (BZ)	ND		0.010	0.0011	ng/g
PCB 13 (BZ)	ND		0.010	0.0011	ng/g
PCB 14 (BZ)	ND		0.010	0.00095	ng/g
PCB 15 (BZ)	**0.0014**	**Q B J**	**0.010**	**0.0011**	**ng/g**
PCB 16 (BZ)	**0.0054**	**Q B J**	**0.010**	**0.00099**	**ng/g**
PCB 17 (BZ)	**0.011**	**B**	**0.010**	**0.00086**	**ng/g**
PCB 18 (BZ)	**0.031**	**B**	**0.020**	**0.00091**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.00097	ng/g
PCB 20 (BZ)	**0.097**	**B C**	**0.020**	**0.00056**	**ng/g**
PCB 21 (BZ)	**0.014**	**B C**	**0.010**	**0.00054**	**ng/g**
PCB 22 (BZ)	**0.016**	**B**	**0.010**	**0.00057**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00057	ng/g
PCB 24 (BZ)	ND		0.010	0.00064	ng/g
PCB 25 (BZ)	**0.0025**	**B J**	**0.010**	**0.00051**	**ng/g**
PCB 26 (BZ)	**0.0082**	**B C J**	**0.010**	**0.00055**	**ng/g**
PCB 27 (BZ)	**0.0017**	**Q B J**	**0.010**	**0.00059**	**ng/g**
PCB 28 (BZ)	**0.097**	**B C20**	**0.020**	**0.00056**	**ng/g**
PCB 29 (BZ)	**0.0082**	**B C26 J**	**0.010**	**0.00055**	**ng/g**
PCB 30 (BZ)	ND		0.020	0.00061	ng/g
PCB 31 (BZ)	**0.046**	**B**	**0.020**	**0.00054**	**ng/g**
PCB 32 (BZ)	**0.0033**	**B J**	**0.010**	**0.00058**	**ng/g**
PCB 33 (BZ)	**0.014**	**B C21**	**0.010**	**0.00054**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00057	ng/g
PCB 35 (BZ)	ND		0.010	0.00058	ng/g
PCB 36 (BZ)	ND		0.010	0.00054	ng/g

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	**Work Order #....:**	J7V9M1AD	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.0031**	**B J**	**0.010**	**0.00056**	**ng/g**
PCB 38 (BZ)	ND		0.010	0.00055	ng/g
PCB 39 (BZ)	ND		0.010	0.00052	ng/g
PCB 40 (BZ)	**0.017**	**B C**	**0.010**	**0.00099**	**ng/g**
PCB 41 (BZ)	**0.0038**	**Q J**	**0.010**	**0.0013**	**ng/g**
PCB 42 (BZ)	**0.022**		**0.010**	**0.0011**	**ng/g**
PCB 43 (BZ)	**0.0052**	**Q B C J**	**0.010**	**0.00099**	**ng/g**
PCB 44 (BZ)	**0.13**	**B C**	**0.010**	**0.00093**	**ng/g**
PCB 45 (BZ)	**0.0041**	**Q B C J**	**0.010**	**0.0011**	**ng/g**
PCB 46 (BZ)	ND		0.010	0.0013	ng/g
PCB 47 (BZ)	**0.13**	**B C44**	**0.010**	**0.00093**	**ng/g**
PCB 48 (BZ)	**0.016**	**Q**	**0.010**	**0.0011**	**ng/g**
PCB 49 (BZ)	**0.13**	**B**	**0.010**	**0.00094**	**ng/g**
PCB 50 (BZ)	**0.0026**	**Q B C J**	**0.010**	**0.0010**	**ng/g**
PCB 51 (BZ)	**0.0041**	**Q B C45 J**	**0.010**	**0.0011**	**ng/g**
PCB 52 (BZ)	**0.26**	**B**	**0.010**	**0.0010**	**ng/g**
PCB 53 (BZ)	**0.0026**	**Q B C50 J**	**0.010**	**0.0010**	**ng/g**
PCB 54 (BZ)	ND		0.010	0.0011	ng/g
PCB 55 (BZ)	**0.0047**	**Q J**	**0.010**	**0.00082**	**ng/g**
PCB 56 (BZ)	**0.018**	**Q**	**0.010**	**0.00077**	**ng/g**
PCB 57 (BZ)	ND		0.010	0.00079	ng/g
PCB 58 (BZ)	**0.0058**	**J**	**0.010**	**0.00075**	**ng/g**
PCB 59 (BZ)	**0.0094**	**Q B C J**	**0.010**	**0.00073**	**ng/g**
PCB 60 (BZ)	**0.071**		**0.010**	**0.00080**	**ng/g**
PCB 61 (BZ)	ND		0.020	0.00080	ng/g
PCB 62 (BZ)	**0.0094**	**Q B C59 J**	**0.010**	**0.00073**	**ng/g**
PCB 63 (BZ)	**0.015**		**0.010**	**0.00071**	**ng/g**
PCB 64 (BZ)	**0.070**	**B**	**0.010**	**0.00072**	**ng/g**
PCB 65 (BZ)	**0.13**	**B C44**	**0.010**	**0.00093**	**ng/g**
PCB 66 (BZ)	**0.36**	**B**	**0.010**	**0.00074**	**ng/g**
PCB 67 (BZ)	**0.0020**	**Q J**	**0.010**	**0.00074**	**ng/g**
PCB 68 (BZ)	**0.0026**	**B J**	**0.010**	**0.00071**	**ng/g**
PCB 69 (BZ)	ND		0.010	0.00080	ng/g
PCB 70 (BZ)	**0.46**	**B C**	**0.020**	**0.00072**	**ng/g**
PCB 71 (BZ)	**0.017**	**B C40**	**0.010**	**0.00099**	**ng/g**
PCB 72 (BZ)	**0.0031**	**Q J**	**0.010**	**0.00075**	**ng/g**

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	**Work Order #....:**	J7V9M1AD	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.0052**	**Q B C43 J**	**0.010**	**0.00099**	**ng/g**
PCB 74 (BZ)	**0.46**	**B C70**	**0.020**	**0.00072**	**ng/g**
PCB 75 (BZ)	**0.0094**	**Q B C59 J**	**0.010**	**0.00073**	**ng/g**
PCB 76 (BZ)	**0.46**	**B C70**	**0.020**	**0.00072**	**ng/g**
PCB 77 (BZ)	**0.016**		**0.010**	**0.00078**	**ng/g**
PCB 78 (BZ)	ND		0.010	0.00080	ng/g
PCB 79 (BZ)	**0.0031**	**J**	**0.010**	**0.00069**	**ng/g**
PCB 80 (BZ)	ND		0.010	0.00067	ng/g
PCB 81 (BZ)	ND		0.010	0.00073	ng/g
PCB 82 (BZ)	**0.015**		**0.010**	**0.0020**	**ng/g**
PCB 83 (BZ)	**0.82**	**C**	**0.010**	**0.0016**	**ng/g**
PCB 84 (BZ)	**0.026**		**0.010**	**0.0018**	**ng/g**
PCB 85 (BZ)	**0.25**	**C**	**0.010**	**0.0012**	**ng/g**
PCB 86 (BZ)	**0.34**	**C**	**0.010**	**0.0013**	**ng/g**
PCB 87 (BZ)	**0.34**	**C86**	**0.010**	**0.0013**	**ng/g**
PCB 88 (BZ)	ND		0.010	0.0017	ng/g
PCB 89 (BZ)	ND		0.010	0.0017	ng/g
PCB 90 (BZ)	**0.79**	**B C**	**0.010**	**0.0012**	**ng/g**
PCB 91 (BZ)	**0.028**		**0.010**	**0.0014**	**ng/g**
PCB 92 (BZ)	**0.16**		**0.010**	**0.0016**	**ng/g**
PCB 93 (BZ)	ND		0.010	0.0017	ng/g
PCB 94 (BZ)	ND		0.010	0.0017	ng/g
PCB 95 (BZ)	**0.18**	**B C**	**0.010**	**0.0014**	**ng/g**
PCB 96 (BZ)	ND		0.010	0.0012	ng/g
PCB 97 (BZ)	**0.34**	**C86**	**0.010**	**0.0013**	**ng/g**
PCB 98 (BZ)	ND		0.010	0.0015	ng/g
PCB 99 (BZ)	**0.82**	**C83**	**0.010**	**0.0016**	**ng/g**
PCB 100 (BZ)	**0.18**	**B C95**	**0.010**	**0.0014**	**ng/g**
PCB 101 (BZ)	**0.79**	**B C90**	**0.010**	**0.0012**	**ng/g**
PCB 102 (BZ)	ND		0.010	0.0015	ng/g
PCB 103 (BZ)	ND		0.010	0.0014	ng/g
PCB 104 (BZ)	ND		0.010	0.0011	ng/g
PCB 105 (BZ)	**0.56**		**0.010**	**0.00088**	**ng/g**
PCB 106 (BZ)	ND		0.010	0.0010	ng/g
PCB 107 (BZ)/109 (IUPAC)	**0.12**		**0.010**	**0.00098**	**ng/g**
PCB 108 (BZ)/107 (IUPAC)	**0.025**	**C**	**0.010**	**0.00094**	**ng/g**

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	**Work Order #....:**	J7V9M1AD	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	0.34	C86	0.010	0.0013	ng/g
PCB 110 (BZ)	0.68	B C	0.010	0.0011	ng/g
PCB 111 (BZ)	ND		0.010	0.0011	ng/g
PCB 112 (BZ)	ND		0.010	0.0011	ng/g
PCB 113 (BZ)	0.79	B C90	0.010	0.0012	ng/g
PCB 114 (BZ)	0.036	Q	0.010	0.00094	ng/g
PCB 115 (BZ)	0.68	B C110	0.010	0.0011	ng/g
PCB 116 (BZ)	0.25	C85	0.010	0.0012	ng/g
PCB 117 (BZ)	0.25	C85	0.010	0.0012	ng/g
PCB 118 (BZ)	1.7	B	0.010	0.00093	ng/g
PCB 119 (BZ)	0.34	C86	0.010	0.0013	ng/g
PCB 120 (BZ)	0.0068	J	0.010	0.0010	ng/g
PCB 121 (BZ)	ND		0.010	0.0011	ng/g
PCB 122 (BZ)	ND		0.010	0.0010	ng/g
PCB 123 (BZ)	0.024		0.010	0.00090	ng/g
PCB 124 (BZ)	0.025	C108	0.010	0.00094	ng/g
PCB 125 (BZ)	0.34	C86	0.010	0.0013	ng/g
PCB 126 (BZ)	0.0072	Q J	0.010	0.00096	ng/g
PCB 127 (BZ)	0.0017	J	0.010	0.00094	ng/g
PCB 128 (BZ)	0.42		0.010	0.0021	ng/g
PCB 129 (BZ)	2.6	B C	0.010	0.0017	ng/g
PCB 130 (BZ)	0.085		0.010	0.0023	ng/g
PCB 131 (BZ)	ND		0.010	0.0022	ng/g
PCB 132 (BZ)	0.057	Q B	0.010	0.0023	ng/g
PCB 133 (BZ)	0.032		0.010	0.0021	ng/g
PCB 134 (BZ)	0.017	C	0.010	0.0023	ng/g
PCB 135 (BZ)	0.21	B C	0.010	0.0017	ng/g
PCB 136 (BZ)	0.033	B	0.010	0.0013	ng/g
PCB 137 (BZ)	0.083		0.010	0.0019	ng/g
PCB 138 (BZ)	2.6	B C129	0.010	0.0017	ng/g
PCB 139 (BZ)	0.025	C	0.010	0.0019	ng/g
PCB 140 (BZ)	0.025	C139	0.010	0.0019	ng/g
PCB 141 (BZ)	0.15		0.010	0.0021	ng/g
PCB 142 (BZ)	ND		0.010	0.0022	ng/g
PCB 143 (BZ)	0.017	C134	0.010	0.0023	ng/g
PCB 144 (BZ)	0.018	Q	0.010	0.0017	ng/g

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	**Work Order #....:**	J7V9M1AD	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.39**		**0.010**	**0.0018**	**ng/g**
PCB 147 (BZ)	**0.19**	**B C**	**0.010**	**0.0019**	**ng/g**
PCB 148 (BZ)	ND		0.010	0.0017	ng/g
PCB 149 (BZ)	**0.19**	**B C147**	**0.010**	**0.0019**	**ng/g**
PCB 150 (BZ)	ND		0.010	0.0013	ng/g
PCB 151 (BZ)	**0.21**	**B C135**	**0.010**	**0.0017**	**ng/g**
PCB 152 (BZ)	ND		0.010	0.0013	ng/g
PCB 153 (BZ)	**2.3**	**B C**	**0.010**	**0.0015**	**ng/g**
PCB 154 (BZ)	**0.21**	**B C135**	**0.010**	**0.0017**	**ng/g**
PCB 155 (BZ)	ND		0.010	0.0012	ng/g
PCB 156 (BZ)	**0.19**	**C**	**0.010**	**0.0018**	**ng/g**
PCB 157 (BZ)	**0.19**	**C156**	**0.010**	**0.0018**	**ng/g**
PCB 158 (BZ)	**0.19**		**0.010**	**0.0013**	**ng/g**
PCB 159 (BZ)	ND		0.010	0.0015	ng/g
PCB 160 (BZ)	**2.6**	**B C129**	**0.010**	**0.0017**	**ng/g**
PCB 161 (BZ)	ND		0.010	0.0015	ng/g
PCB 162 (BZ)	ND		0.010	0.0015	ng/g
PCB 163 (BZ)	**2.6**	**B C129**	**0.010**	**0.0017**	**ng/g**
PCB 164 (BZ)	**0.063**		**0.010**	**0.0016**	**ng/g**
PCB 165 (BZ)	ND		0.010	0.0016	ng/g
PCB 166 (BZ)	**0.017**	**Q**	**0.010**	**0.0015**	**ng/g**
PCB 167 (BZ)	**0.064**		**0.010**	**0.00092**	**ng/g**
PCB 168 (BZ)	**2.3**	**B C153**	**0.010**	**0.0015**	**ng/g**
PCB 169 (BZ)	**0.0031**	**Q J**	**0.010**	**0.0013**	**ng/g**
PCB 170 (BZ)	**0.24**		**0.010**	**0.0015**	**ng/g**
PCB 171 (BZ)	**0.076**	**C**	**0.010**	**0.0014**	**ng/g**
PCB 172 (BZ)	**0.042**		**0.010**	**0.0014**	**ng/g**
PCB 173 (BZ)	**0.076**	**C171**	**0.010**	**0.0014**	**ng/g**
PCB 174 (BZ)	**0.028**		**0.010**	**0.0012**	**ng/g**
PCB 175 (BZ)	**0.0062**	**J**	**0.010**	**0.0012**	**ng/g**
PCB 176 (BZ)	**0.0027**	**J**	**0.010**	**0.00091**	**ng/g**
PCB 177 (BZ)	**0.071**		**0.010**	**0.0013**	**ng/g**
PCB 178 (BZ)	**0.075**		**0.010**	**0.0013**	**ng/g**
PCB 179 (BZ)	**0.038**	**B**	**0.010**	**0.00095**	**ng/g**
PCB 180 (BZ)	**0.61**	**C**	**0.010**	**0.0010**	**ng/g**

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	**Work Order #....:**	J7V9M1AD	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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)	**0.0030**	**Q J**	**0.010**	**0.0012**	**ng/g**
PCB 182 (BZ)	ND		0.010	0.0012	ng/g
PCB 183 (BZ)	**0.16**	**B**	**0.010**	**0.0012**	**ng/g**
PCB 184 (BZ)	ND		0.010	0.00097	ng/g
PCB 185 (BZ)	**0.013**	**Q**	**0.010**	**0.0012**	**ng/g**
PCB 186 (BZ)	ND		0.010	0.00094	ng/g
PCB 187 (BZ)	**0.55**		**0.010**	**0.0011**	**ng/g**
PCB 188 (BZ)	ND		0.010	0.00084	ng/g
PCB 189 (BZ)	**0.0078**	**Q J**	**0.010**	**0.0015**	**ng/g**
PCB 190 (BZ)	**0.068**		**0.010**	**0.00091**	**ng/g**
PCB 191 (BZ)	**0.011**		**0.010**	**0.00093**	**ng/g**
PCB 192 (BZ)	ND		0.010	0.0010	ng/g
PCB 193 (BZ)	**0.61**	**C180**	**0.010**	**0.0010**	**ng/g**
PCB 194 (BZ)	**0.11**		**0.010**	**0.0025**	**ng/g**
PCB 195 (BZ)	**0.065**		**0.010**	**0.0027**	**ng/g**
PCB 196 (BZ)	**0.033**		**0.010**	**0.00088**	**ng/g**
PCB 197 (BZ)	**0.0035**	**J**	**0.010**	**0.00062**	**ng/g**
PCB 198 (BZ)	**0.14**	**C**	**0.010**	**0.00087**	**ng/g**
PCB 201 (BZ)/199 (IUPAC)	**0.14**	**C198**	**0.010**	**0.00087**	**ng/g**
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00064	ng/g
PCB 200 (BZ)/201 (IUPAC)	**0.0073**	**J**	**0.010**	**0.00061**	**ng/g**
PCB 202 (BZ)	**0.041**		**0.010**	**0.00066**	**ng/g**
PCB 203 (BZ)	**0.081**		**0.010**	**0.00077**	**ng/g**
PCB 204 (BZ)	ND		0.010	0.00064	ng/g
PCB 205 (BZ)	**0.0042**	**Q J**	**0.010**	**0.0020**	**ng/g**
PCB 206 (BZ)	**0.052**		**0.010**	**0.0011**	**ng/g**
PCB 207 (BZ)	**0.0028**	**Q J**	**0.010**	**0.00051**	**ng/g**
PCB 208 (BZ)	**0.014**		**0.010**	**0.00043**	**ng/g**
PCB 209 (BZ)	**0.029**	**Q**	**0.010**	**0.00059**	**ng/g**

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H71280209 - 001X	**Work Order #....:**	J7V9M1AD	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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	31		30 - 140
13C12-PCB 3	19	*	30 - 140
13C12-PCB 4	64		30 - 140
13C12-PCB 15	72		30 - 140
13C12-PCB 19	70		30 - 140
13C12-PCB 37	73		30 - 140
13C12-PCB 54	67		30 - 140
13C12-PCB 77	71		30 - 140
13C12-PCB 81	73		30 - 140
13C12-PCB 104	82		30 - 140
13C12-PCB 105	76		30 - 140
13C12-PCB 114	76		30 - 140
13C12-PCB 118	80		30 - 140
13C12-PCB 123	78		30 - 140
13C12-PCB 126	74		30 - 140
13C12-PCB 155	82		30 - 140
13C12-PCB 156	76	C	30 - 140
13C12-PCB 157	76	C	30 - 140
13C12-PCB 167	76		30 - 140
13C12-PCB 169	60		30 - 140
13C12-PCB 170	79		30 - 140
13C12-PCB 188	83		30 - 140
13C12-PCB 189	124		30 - 140
13C12-PCB 202	88		30 - 140
13C12-PCB 205	80		30 - 140
13C12-PCB 206	90		30 - 140
13C12-PCB 208	142	*	30 - 140
13C12-PCB 209	143	*	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	75	40 - 125
13C12-PCB 111	85	40 - 125
13C12-PCB 178	77	40 - 125

Washington Closure Hanford

Sample ID: J15J21 DUP

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 001X	**Work Order #....:**	J7V9M1AD	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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.

- * Surrogate 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.
- 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	J7V9M1AD	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9mx.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99755	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	16:27	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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		1140	317			0.009960		0.000996	QBJ	0.00246
13C12-PCB 1	12:23	913585	283840	1.318	10.00	3.116767	31.17	0.311677		0.000886
13C12-PCB 3	14:38	554877	145791	1.325	10.00	1.881853	18.82	0.188185		0.000880
PCB 1 (BZ)	12:25	1140	317	1.253		0.009960		0.000996	QBJ	0.000591
PCB 2 (BZ)				1.226				ND		0.000797
PCB 3 (BZ)				1.348				ND		0.00107
Total Dichlorobiphenyl		29074	8036			0.164049		0.016405	QBJ	0.0127
13C12-PCB 4	14:54	875633	257768	0.615	10.00	6.401763	64.02	0.640176		0.000870
13C12-PCB 9	16:51	2224515	616946	1.000	10.00	10.000000	100.00	1.000000		0.000535
13C12-PCB 8				1.332	5.000			ND		0.000805
13C12-PCB 15	20:55	1713283	357290	1.065	10.00	7.233206	72.33	0.723321		0.000502
PCB 4 (BZ)	14:55	2919	837	1.212		0.027518		0.002752	QBJ	0.00159
PCB 10 (BZ)				1.326				ND		0.00121
PCB 9 (BZ)				1.445				ND		0.00111
PCB 7 (BZ)				1.432				ND		0.00112
PCB 6 (BZ)				1.450				ND		0.00111
PCB 5 (BZ)				1.356				ND		0.00119
PCB 8 (BZ)	17:46	12178	4019	1.477		0.063702		0.006370	QBJ	0.00109
PCB 14 (BZ)				1.687				ND		0.000954
PCB 11 (BZ)	20:16	11061	2429	1.448		0.059021		0.005902	QBJ	0.00111
PCB 13 (BZ)				1.454				ND	C12	0.00111
PCB 12 (BZ)				1.454				ND	C	0.00111
PCB 15 (BZ)	20:56	2916	752	1.233		0.013807		0.001381	QBJ	0.00112
Total Trichlorobiphenyl		436472	91608			2.387032		0.238703	BQ	0.0133
13C12-PCB 19	18:06	693638	188105	0.558	10.00	7.003085	70.03	0.700308		0.00282
13C12-PCB 32	21:20	1773950	408763	1.000	10.00	10.000000	100.00	1.000000		0.00157
13C12-PCB 31	23:37	2560120	554747	1.000	10.00	10.000000	100.00	1.000000		0.00116
13C12-PCB 28	23:54	1865345	401008	0.968	10.00	7.528127	75.28	0.752813		0.00120
13C12-PCB 37	28:00	1658126	311081	0.885	10.00	7.316275	73.16	0.731628		0.00131
PCB 19 (BZ)				1.178				ND		0.000971
PCB 30 (BZ)				1.874				ND		0.000610
PCB 18 (BZ)	19:58	26942	6802	1.262		0.307740		0.030774	B	0.000906
PCB 17 (BZ)	20:21	9749	2316	1.326		0.105998		0.010600	B	0.000862
PCB 27 (BZ)	20:36	2244	569	1.945		0.016632		0.001663	QBJ	0.000588
PCB 24 (BZ)				1.782				ND		0.000641
PCB 16 (BZ)	20:54	4311	1040	1.157		0.053707		0.005371	QBJ	0.000988
PCB 32 (BZ)	21:21	4494	1229	1.966		0.032947		0.003295	BJ	0.000581
PCB 34 (BZ)				1.216				ND		0.000568
PCB 23 (BZ)				1.208				ND		0.000572
PCB 29 (BZ)	23:03	17170	4248	1.265		0.081875		0.008188	BC26J	0.000546
PCB 26 (BZ)		17170		1.265		0.081875		0.008188	BCJ	0.000546
PCB 25 (BZ)	23:18	5726	1468	1.362		0.025363		0.002536	BJ	0.000508
PCB 31 (BZ)	23:38	97946	21695	1.285		0.459535		0.045954	B	0.000538
PCB 28 (BZ)	23:55	199526	42076	1.238		0.971742		0.097174	BC20	0.000558
PCB 20 (BZ)		199526		1.238		0.971742		0.097174	BC	0.000558
PCB 21 (BZ)		30523		1.276		0.144308		0.014431	BC	0.000542
PCB 33 (BZ)	24:12	30523	6381	1.276		0.144308		0.014431	BC21	0.000542
PCB 22 (BZ)	24:37	31484	6523	1.218		0.155870		0.015587	B	0.000567
PCB 36 (BZ)				1.286				ND		0.000538

BFW 10/15/07 MSD 10/15/07

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9M1AD	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9mx.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99755	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	16:27	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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		0.000520
PCB 38 (BZ)				1.246				ND		0.000555
PCB 35 (BZ)				1.195				ND		0.000578
PCB 37 (BZ)	28:02	6357	1509	1.224		0.031313		0.003131	BJ	0.000564
Total Tetrachlorobiphenyl		2486451	453720			16.281261		1.628126	QB	0.0280
13C12-PCB 54	21:15	714908	172214	0.598	10.00	6.743992	67.44	0.674399		0.000983
13C12-PCB 52	25:43	1402599	309819	1.000	10.00	10.000000	100.00	1.000000		0.000775
13C12-PCB 79				1.089	5.000			ND		0.000899
13C12-PCB 81	34:45	1310515	240623	1.286	10.00	7.263189	72.63	0.726319		0.000602
13C12-PCB 77	35:22	1291864	250038	1.297	10.00	7.100377	71.00	0.710038		0.000597
PCB 54 (BZ)				1.211				ND		0.00111
PCB 50 (BZ)	23:23	3149	696	0.927		0.026110		0.002611	QBCJ	0.00102
PCB 53 (BZ)		3149		0.927		0.026110		0.002611	QBC50J	0.00102
PCB 45 (BZ)	24:05	4519	942	0.857		0.040517		0.004052	QBCJ	0.00111
PCB 51 (BZ)		4519		0.857		0.040517		0.004052	QBC45J	0.00111
PCB 46 (BZ)				0.706				ND		0.00134
PCB 52 (BZ)	25:44	308023	69246	0.926		2.556594		0.255659	B	0.00102
PCB 73 (BZ)		6522		0.957		0.052360		0.005236	QBC43J	0.000990
PCB 43 (BZ)	25:59	6522	1170	0.957		0.052360		0.005236	QBCJ	0.000990
PCB 69 (BZ)				1.180				ND		0.000803
PCB 49 (BZ)	26:13	169021	35686	1.005		1.292082		0.129208	B	0.000943
PCB 48 (BZ)	26:29	18597	3802	0.886		0.161323		0.016132	Q	0.00107
PCB 65 (BZ)		176147		1.024		1.322350		0.132235	BC44	0.000926
PCB 47 (BZ)		176147		1.024		1.322350		0.132235	BC44	0.000926
PCB 44 (BZ)	26:47	176147	27439	1.024		1.322350		0.132235	BC	0.000926
PCB 62 (BZ)		15903		1.297		0.094269		0.009427	QBC59J	0.000731
PCB 75 (BZ)	27:04	15903	2117	1.297		0.094269		0.009427	QBC59J	0.000731
PCB 59 (BZ)		15903		1.297		0.094269		0.009427	QBCJ	0.000731
PCB 42 (BZ)	27:18	24956	5124	0.860		0.223124		0.022312		0.00110
PCB 41 (BZ)	27:42	3613	1556	0.723		0.038381		0.003838	QJ	0.00131
PCB 71 (BZ)	27:48	21533	3767	0.953		0.173603		0.017360	BC40	0.000994
PCB 40 (BZ)		21533		0.953		0.173603		0.017360	BC	0.000994
PCB 64 (BZ)	28:01	119392	24581	1.313		0.698828		0.069883	B	0.000722
PCB 72 (BZ)	28:45	5101	1083	1.257		0.031186		0.003119	QJ	0.000754
PCB 68 (BZ)	29:04	4567	799	1.327		0.026447		0.002645	BJ	0.000714
PCB 57 (BZ)				1.194				ND		0.000794
PCB 58 (BZ)	29:44	9434	1816	1.260		0.057558		0.005756	J	0.000752
PCB 67 (BZ)	29:51	3391	1032	1.286		0.020256		0.002026	QJ	0.000737
PCB 63 (BZ)	30:08	26182	5252	1.339		0.150309		0.015031		0.000708
PCB 61 (BZ)				1.190				ND		0.000796
PCB 70 (BZ)	30:33	782378	133273	1.317		4.565252		0.456525	BC	0.000720
PCB 76 (BZ)		782378		1.317		4.565252		0.456525	BC70	0.000720
PCB 74 (BZ)		782378		1.317		4.565252		0.456525	BC70	0.000720
PCB 66 (BZ)	30:52	607909	107244	1.289		3.623778		0.362378	B	0.000735
PCB 55 (BZ)	31:07	7029	1832	1.161		0.046551		0.004655	QJ	0.000817
PCB 56 (BZ)	31:36	28867	5632	1.231		0.180240		0.018024	Q	0.000770
PCB 60 (BZ)	31:50	109271	18631	1.191		0.705125		0.070513		0.000796
PCB 80 (BZ)				1.416				ND		0.000669
PCB 79 (BZ)	33:43	5504	1243	1.371		0.030859		0.003086	J	0.000691

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9M1AD	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9mx.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99755	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	16:27	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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		0.000802
PCB 81 (BZ)				1.317				ND		0.000733
PCB 77 (BZ)	35:23	25442	4219	1.200		0.164159		0.016416		0.000775
Total Pentachlorobiphenyl		8119053	1153181			57.344606		5.734461	BQ	0.0403
13C12-PCB 104	26:38	1208940	261240	1.260	10.00	8.231590	82.32	0.823159		0.00101
13C12-PCB 95				0.741	5.000			ND		0.00154
13C12-PCB 101	32:32	1165831	233407	1.000	10.00	10.000000	100.00	1.000000		0.00127
13C12-PCB 111	35:09	1218011	254424	1.229	10.00	8.500818	85.01	0.850082		0.00104
13C12-PCB 123	37:10	1539226	312187	0.955	10.00	7.773218	77.73	0.777322		0.000802
13C12-PCB 118	37:29	1647272	313145	0.988	10.00	8.036789	80.37	0.803679		0.000774
13C12-PCB 114	38:02	1522044	283415	0.971	10.00	7.557859	75.58	0.755786		0.000788
13C12-PCB 105	38:47	1483029	295402	0.941	10.00	7.595560	75.96	0.759556		0.000813
13C12-PCB 127	40:07	2074525	388822	1.000	10.00	10.000000	100.00	1.000000		0.000765
13C12-PCB 126	41:50	1496360	297720	0.978	10.00	7.376591	73.77	0.737659		0.000782
PCB 104 (BZ)				1.149				ND		0.00106
PCB 96 (BZ)				1.014				ND		0.00120
PCB 103 (BZ)				0.866				ND		0.00140
PCB 94 (BZ)				0.703				ND		0.00173
PCB 95 (BZ)	29:42	186560	37422	0.859		1.797053		0.179705	BC	0.00142
PCB 100 (BZ)		186560		0.859		1.797053		0.179705	BC95	0.00142
PCB 93 (BZ)				0.701				ND		0.00173
PCB 102 (BZ)				0.822				ND	C98	0.00148
PCB 98 (BZ)				0.822				ND	C	0.00148
PCB 88 (BZ)				0.723				ND		0.00168
PCB 91 (BZ)	30:32	29334	5881	0.864		0.280909		0.028091		0.00141
PCB 84 (BZ)	30:51	21080	4482	0.679		0.256663		0.025666		0.00179
PCB 89 (BZ)				0.717				ND		0.00169
PCB 121 (BZ)				1.105				ND		0.00110
PCB 92 (BZ)	31:59	152070	29710	0.772		1.628639		0.162864		0.00157
PCB 113 (BZ)	32:33	946441	190458	0.990		7.910695		0.791069	BC90	0.00123
PCB 90 (BZ)		946441		0.990		7.910695		0.791069	BC	0.00123
PCB 101 (BZ)		946441		0.990		7.910695		0.791069	BC90	0.00123
PCB 83 (BZ)	33:07	772675	154659	0.777		8.229346		0.822935	C	0.00156
PCB 99 (BZ)		772675		0.777		8.229346		0.822935	C83	0.00156
PCB 112 (BZ)				1.079				ND		0.00113
PCB 109 (BZ)/108 (IUPAC)		397431		0.967		3.400378		0.340038	C86	0.00126
PCB 86 (BZ)		397431		0.967		3.400378		0.340038	C	0.00126
PCB 119 (BZ)		397431		0.967		3.400378		0.340038	C86	0.00126
PCB 97 (BZ)		397431		0.967		3.400378		0.340038	C86	0.00126
PCB 125 (BZ)	33:50	397431	44386	0.967		3.400378		0.340038	C86	0.00126
PCB 87 (BZ)		397431		0.967		3.400378		0.340038	C86	0.00126
PCB 117 (BZ)	34:17	295961	9874	0.979		2.500275		0.250028	C85	0.00124
PCB 116 (BZ)		295961		0.979		2.500275		0.250028	C85	0.00124
PCB 85 (BZ)	34:26	295961	49444	0.979		2.500275		0.250028	C	0.00124
PCB 110 (BZ)	34:37	941951	188576	1.139		6.842286		0.684229	BC	0.00107
PCB 115 (BZ)		941951		1.139		6.842286		0.684229	BC110	0.00107
PCB 82 (BZ)	35:01	11312	2637	0.605		0.154754		0.015475		0.00201
PCB 111 (BZ)				1.129				ND		0.00108
PCB 120 (BZ)	35:37	9746	1916	1.192		0.067622		0.006762	J	0.00102

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9M1AD	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9mx.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99755	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	16:27	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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)		42423		1.123		0.245581		0.024558	C108	0.000941
PCB 108 (BZ)/107 (IUPAC)	36:50	42423	8848	1.123		0.245581		0.024558	C	0.000941
PCB 107 (BZ)/109 (IUPAC)	37:04	201920	39585	1.074		1.222613		0.122261		0.000984
PCB 123 (BZ)	37:12	42218	8290	1.136		0.241441		0.024144		0.000895
PCB 106 (BZ)				1.046				ND		0.00101
PCB 118 (BZ)	37:32	2976820	575885	1.094		16.522895		1.652289	B	0.000927
PCB 122 (BZ)				1.047				ND		0.00101
PCB 114 (BZ)	38:04	65152	14512	1.196		0.357877		0.035788	Q	0.000937
PCB 105 (BZ)	38:48	1011102	191678	1.218		5.596969		0.559697		0.000882
PCB 127 (BZ)	40:09	2869	924	1.130		0.016505		0.001651	J	0.000935
PCB 126 (BZ)	41:51	11988	2239	1.111		0.072106		0.007211	QJ	0.000960
Total Hexachlorobiphenyl		8905565	1663464			71.356914		7.135691	BQ	0.0541
13C12-PCB 155	32:09	1119914	222303	1.178	10.00	8.155230	81.55	0.815523		0.00120
13C12-PCB 153				0.833	5.000			ND		0.00219
13C12-PCB 138	40:35	1483457	297300	1.000	10.00	10.000000	100.00	1.000000		0.00111
13C12-PCB 167	43:32	1394100	274142	1.237	10.00	7.599338	75.99	0.759934		0.000898
13C12-PCB 156	44:48	2769384	282229	1.229	20.00	15.192302	75.96	1.519230		0.000903
13C12-PCB 157								ND		0.000000
13C12-PCB 169	48:00	1050652	167393	1.188	10.00	5.963789	59.64	0.596379		0.000935
PCB 155 (BZ)				1.117				ND		0.00117
PCB 152 (BZ)				1.023				ND		0.00127
PCB 150 (BZ)				1.032				ND		0.00126
PCB 136 (BZ)	33:11	36002	7362	0.967		0.332595		0.033259	B	0.00135
PCB 145 (BZ)				1.021				ND		0.00128
PCB 148 (BZ)				0.749				ND		0.00174
PCB 151 (BZ)	35:27	185133	31578	0.781		2.117988		0.211799	BC135	0.00167
PCB 135 (BZ)		185133		0.781		2.117988		0.211799	BC	0.00167
PCB 154 (BZ)		185133		0.781		2.117988		0.211799	BC135	0.00167
PCB 144 (BZ)	36:01	14952	3344	0.759		0.175983		0.017598	Q	0.00172
PCB 147 (BZ)	36:23	213950	40291	0.862		1.904583		0.190458	BC	0.00186
PCB 149 (BZ)		213950		0.862		1.904583		0.190458	BC147	0.00186
PCB 134 (BZ)	36:38	15510	3145	0.711		0.167244		0.016724	C	0.00225
PCB 143 (BZ)		15510		0.711		0.167244		0.016724	C134	0.00225
PCB 139 (BZ)	36:54	28107	4678	0.856		0.251984		0.025198	C	0.00187
PCB 140 (BZ)		28107		0.856		0.251984		0.025198	C139	0.00187
PCB 131 (BZ)				0.713				ND		0.00225
PCB 142 (BZ)				0.735				ND		0.00218
PCB 132 (BZ)	37:44	52559	11820	0.710		0.567741		0.056774	QB	0.00226
PCB 133 (BZ)	38:03	32460	6892	0.768		0.324082		0.032408		0.00209
PCB 165 (BZ)				0.993				ND		0.00161
PCB 146 (BZ)	38:40	441005	85881	0.874		3.872244		0.387224		0.00183
PCB 161 (BZ)				1.090				ND		0.00147
PCB 153 (BZ)	39:17	3250589	635849	1.068		23.338762		2.333876	BC	0.00150
PCB 168 (BZ)		3250589		1.068		23.338762		2.333876	BC153	0.00150
PCB 141 (BZ)	39:34	149298	28086	0.756		1.515442		0.151544		0.00212
PCB 130 (BZ)	40:00	78590	15699	0.708		0.851018		0.085102		0.00226
PCB 137 (BZ)	40:10	90358	19145	0.835		0.830067		0.083007		0.00192
PCB 164 (BZ)	40:20	84931	16569	1.033		0.630619		0.063062		0.00155
PCB 138 (BZ)	40:37	3076345	613107	0.922		25.595832		2.559583	BC129	0.00174

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9M1AD	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9mx.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99755	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	16:27	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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)		3076345		0.922		25.595832		2.559583	BC129	0.00174
PCB 129 (BZ)		3076345		0.922		25.595832		2.559583	BC	0.00174
PCB 160 (BZ)		3076345		0.922		25.595832		2.559583	BC129	0.00174
PCB 158 (BZ)	40:58	295426	58763	1.191		1.902603		0.190260		0.00135
PCB 166 (BZ)	41:50	24517	6465	1.102		0.170643		0.017064	Q	0.00145
PCB 128 (BZ)	41:59	421959	80027	0.769		4.210262		0.421026		0.00208
PCB 159 (BZ)				1.079				ND		0.00149
PCB 162 (BZ)				1.079				ND		0.00149
PCB 167 (BZ)	43:32	103318	20460	1.150		0.644312		0.064431		0.000920
PCB 156 (BZ)	44:43	306139	44805	1.151		1.921464		0.192146	C	0.00179
PCB 157 (BZ)		306139		1.151		1.921464		0.192146	C156	0.00179
PCB 169 (BZ)	48:01	4417	1366	1.337		0.031446		0.003145	QJ	0.00130
Total Heptachlorobiphenyl		2230040	285787			19.978222		1.997822	BQ	0.0252
13C12-PCB 188	37:52	1355044	273031	1.238	10.00	8.294467	82.94	0.829447		0.000846
13C12-PCB 178	40:57	882043	175463	0.863	10.00	7.745266	77.45	0.774527		0.00121
13C12-PCB 180	46:00	1319460	255426	1.000	10.00	10.000000	100.00	1.000000		0.00105
13C12-PCB 170	47:22	852414	155158	0.813	10.00	7.941637	79.42	0.794164		0.00129
13C12-PCB 189	50:33	1064810	151616	1.620	10.00	12.389579	123.90	1.238958		0.00242
PCB 188 (BZ)				1.071				ND		0.000838
PCB 179 (BZ)	38:22	49797	10637	1.200		0.376026		0.037603	B	0.000954
PCB 184 (BZ)				1.178				ND		0.000971
PCB 176 (BZ)	39:13	3799	851	1.252		0.027493		0.002749	J	0.000914
PCB 186 (BZ)				1.214				ND		0.000942
PCB 178 (BZ)	40:58	74057	15553	0.889		0.754461		0.075446		0.00129
PCB 175 (BZ)	41:36	6251	1399	0.920		0.061553		0.006155	J	0.00124
PCB 187 (BZ)	41:51	609727	128948	1.009		5.475929		0.547593		0.00113
PCB 182 (BZ)				0.972				ND		0.00118
PCB 183 (BZ)	42:27	164628	32548	0.946		1.576432		0.157643	B	0.00121
PCB 185 (BZ)	42:38	12751	3110	0.919		0.125722		0.012572	Q	0.00125
PCB 174 (BZ)	42:48	28797	5846	0.924		0.282353		0.028235		0.00124
PCB 177 (BZ)	43:14	69035	14455	0.880		0.711163		0.071116		0.00130
PCB 181 (BZ)	43:33	3241	875	0.975		0.030125		0.003013	QJ	0.00117
PCB 171 (BZ)		70054		0.835		0.760092		0.076009	C	0.00137
PCB 173 (BZ)	43:51	70054	14126	0.835		0.760092		0.076009	C171	0.00137
PCB 172 (BZ)	45:24	38612	8599	0.838		0.417360		0.041736		0.00137
PCB 192 (BZ)				1.147				ND		0.000997
PCB 193 (BZ)	46:02	762993	133315	1.134		6.095926		0.609593	C180	0.00101
PCB 180 (BZ)		762993		1.134		6.095926		0.609593	C	0.00101
PCB 191 (BZ)	46:25	15480	2287	1.228		0.114234		0.011423		0.000932
PCB 170 (BZ)	47:24	216942	41030	1.058		2.406413		0.240641		0.00149
PCB 190 (BZ)	47:53	94739	17839	1.254		0.684738		0.068474		0.000913
PCB 189 (BZ)	50:38	9137	1810	1.097		0.078204		0.007820	QJ	0.00147
Total Octachlorobiphenyl		371532	67057			4.823576		0.482358	Q	0.0129
13C12-PCB 202	43:13	1150114	235428	0.994	10.00	8.771068	87.71	0.877107		0.000689
13C12-PCB 194	52:46	530369	68171	1.000	10.00	10.000000	100.00	1.000000		0.00257
13C12-PCB 205	53:14	593633	78177	1.407	10.00	7.956514	79.57	0.795651		0.00182
PCB 202 (BZ)	43:15	47014	9456	0.993		0.411777		0.041178		0.000663
PCB 200 (BZ)/201 (IUPAC)	44:09	9135	1968	1.087		0.073071		0.007307	J	0.000606
PCB 204 (BZ)				1.033				ND		0.000637

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9M1AD	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9mx.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99755	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	16:27	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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)	44:58	4272	952	1.061		0.034997		0.003500	J	0.000620
PCB 199 (BZ)/200 (IUPAC)				1.031				ND		0.000639
PCB 198 (BZ)	47:59	121425	21035	0.761		1.387691		0.138769	C	0.000865
PCB 201 (BZ)/199 (IUPAC)		121425		0.761		1.387691		0.138769	C198	0.000865
PCB 196 (BZ)	48:37	28667	5047	0.752		0.331407		0.033141		0.000875
PCB 203 (BZ)	48:51	79456	14704	0.856		0.807081		0.080708		0.000769
PCB 195 (BZ)	50:16	27797	5543	0.723		0.648071		0.064807		0.00274
PCB 194 (BZ)	52:48	51330	7951	0.795		1.087801		0.108780		0.00249
PCB 205 (BZ)	53:14	2436	401	0.984		0.041681		0.004168	QJ	0.00201
Total Nonachlorobiphenyl		37238	6980			0.688296		0.068830	Q	0.00202
13C12-PCB 208	49:52	874028	152564	1.161	10.00	14.193430	141.93	1.419343		0.00171
13C12-PCB 206	54:57	393795	56942	0.823	10.00	9.025460	90.25	0.902546		0.00241
PCB 208 (BZ)	49:53	12486	2238	1.026		0.139196		0.013920		0.000431
PCB 207 (BZ)	50:50	2216	524	1.264		0.027655		0.002765	QJ	0.000510
PCB 206 (BZ)	54:56	22536	4218	1.097		0.521445		0.052144		0.00108
13C12-PCB 209	56:23	706705	126972	0.930	10.00	14.326194	143.26	1.432619		0.00292
PCB 209 (BZ)	56:25	20510	4509	1.006		0.288575		0.028858	Q	0.000587

STL - Knoxville

IsoCalc Preliminary Peak Report

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

IsoCalc

Workorder	J7V9M1AD	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9mx.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99755	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 16:27	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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	98	113	39	45	0.87 *	/	
	PCB 1 (BZ)	12:25	12:23	2	864	903	240	355	0.96 *	MBB/MBB	R
200					**200.0795**	**202.0766**	**200.0795**	**202.0766**	**2.66-3.60**		
	Noise	00:00	00:00	0	135	585	54	234	0.23 *	/	
	13C12-PCB 1	12:23	12:22	1	685999	227586	215166	68674	3.01	AVV/AVV	
	13C12-PCB 3	14:38	14:35	3	419898	134979	111765	34026	3.11	ABV/ABV	
222					**222.0003**	**223.9974**	**222.0003**	**223.9974**	**1.33-1.79**		
	Noise	00:00	00:00	0	143	353	57	141	0.40 *	/	
	PCB 4 (BZ)	14:55	14:53	2	1779	3353	510	987	0.53 *	MBB/MBB	R
	PCB 8 (BZ)	17:46	17:45	1	7421	10519	2449	1883	0.71 *	ABB/ABB	R
	PCB 11 (BZ)	20:16	20:15	1	6740	9768	1480	1843	0.69 *	MBB/AVV	R
	PCB 15 (BZ)	20:56	20:52	4	1777	2892	458	1000	0.61 *	MBB/MVB	RM
234					**234.0406**	**236.0376**	**234.0406**	**236.0376**	**1.33-1.79**		
	Noise	00:00	00:00	0	178	153	71	61	1.16 *	/	
	13C12-PCB 4	14:54	14:52	2	543034	332599	161405	96363	1.63	ABV/ABV	
	13C12-PCB 9	16:51	16:50	1	1376903	847612	377845	239101	1.62	ABV/ABV	
	13C12-PCB 15	20:55	20:52	3	1061821	651462	219623	137667	1.63	ABV/ABV	
256					**255.9613**	**257.9584**	**255.9613**	**257.9584**	**0.88-1.20**		
	Noise	00:00	00:00	0	115	100	46	40	1.15	/	
	PCB 18 (BZ)	19:58	19:56	2	14205	12737	3521	3281	1.12	ABB/ABB	
	PCB 17 (BZ)	20:21	20:21	0	4833	4916	1293	1023	0.98	ABB/ABB	D
	PCB 27 (BZ)	20:36	20:36	0	1562	1100	411	279	1.42 *	ABB/MVV	RD
	PCB 16 (BZ)	20:54	20:52	2	2198	2698	530	737	0.81 *	ABB/ABB	R
	PCB 32 (BZ)	21:21	21:22	-1	2270	2224	640	589	1.02	ABB/ABB	D
	PCB 29 (BZ)	23:03	23:02	1	8424	8746	1928	2320	0.96	ABV/ABB	
	PCB 25 (BZ)	23:18	23:16	2	3124	2602	699	769	1.20	AVV/ABB	
	PCB 31 (BZ)	23:38	23:37	1	50871	47075	11769	9926	1.08	ABB/ABV	
	PCB 28 (BZ)	23:55	23:53	2	102490	97036	21802	20274	1.06	ABV/AVV	
	PCB 33 (BZ)	24:12	24:11	1	14704	15819	3320	3061	0.93	AVB/AVV	
	PCB 22 (BZ)	24:37	24:35	2	15963	15521	3735	2788	1.03	ABB/AVB	
	PCB 37 (BZ)	28:02	28:00	2	3137	3220	676	833	0.97	MBB/MBB	
268					**268.0016**	**269.9986**	**268.0016**	**269.9986**	**0.88-1.20**		
	Noise	00:00	00:00	0	398	245	159	98	1.62 *	/	
	13C12-PCB 19	18:06	18:04	2	356947	336691	99955	88150	1.06	AVV/ABV	
	13C12-PCB 32	21:20	21:20	0	929826	844124	211478	197285	1.10	AVV/ABV	
	13C12-PCB 31	23:37	23:35	2	1321136	1238984	292139	262608	1.07	ABV/ABV	
	13C12-PCB 28	23:54	23:52	2	975313	890032	210912	190096	1.10	AVB/AVB	
	13C12-PCB 37	28:00	27:58	2	867996	790130	159966	151115	1.10	ABB/ABB	
290					**289.9224**	**291.9194**	**289.9224**	**291.9194**	**0.65-0.89**		
	Noise	00:00	00:00	0	113	120	45	48	0.94 *	/	
	PCB 50 (BZ)	23:23	23:21	2	1641	1779	423	393	0.92 *	MBB/ABB	R
	PCB 45 (BZ)	24:05	24:04	1	1966	3290	410	724	0.60 *	ABB/ABB	R
	PCB 52 (BZ)	25:44	25:45	-1	134525	173498	32715	36531	0.78	ABV/ABV	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 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	J7V9M1AD	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9mx.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99755	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 16:27	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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		
	PCB 43 (BZ)	25:59	25:58	1	3769	3685	591	661	1.02 *	AVB/AVV	RD
	PCB 49 (BZ)	26:13	26:14	-1	71706	97315	15676	20010	0.74	ABV/AVV	D
	PCB 48 (BZ)	26:29	26:30	-1	9962	10507	2238	2148	0.95 *	AVB/AVB	RD
	PCB 44 (BZ)	26:47	26:47	0	78018	98129	12544	14895	0.80	ABV/ABV	M
	PCB 75 (BZ)	27:04	27:03	1	9427	8985	1133	1196	1.05 *	AVB/AVV	RD
	PCB 42 (BZ)	27:18	27:19	-1	11720	13236	2405	2719	0.89 *	ABB/AVB	D
	PCB 41 (BZ)	27:42	27:44	-2	2247	2041	527	879	1.10 *	ABV/MVV	RD
	PCB 71 (BZ)	27:48	27:49	-1	9753	11780	1723	2044	0.83	AVV/MVV	D
	PCB 64 (BZ)	28:01	28:01	0	50218	69174	9767	14814	0.73	AVB/AVV	D
	PCB 72 (BZ)	28:45	28:49	-4	2756	2882	658	612	0.96 *	ABB/ABB	RDM
	PCB 68 (BZ)	29:04	29:04	0	1836	2731	308	491	0.67	ABB/ABB	
	PCB 58 (BZ)	29:44	29:47	-3	4093	5341	678	1138	0.77	ABV/ABV	D
	PCB 67 (BZ)	29:51	29:54	-3	1475	3328	449	631	0.44 *	AVB/AVB	RD
	PCB 63 (BZ)	30:08	30:12	-4	11456	14726	2520	2732	0.78	ABB/ABB	D
	PCB 70 (BZ)	30:33	30:33	0	344331	438047	59854	73419	0.79	ABV/ABV	
	PCB 66 (BZ)	30:52	30:53	-1	258598	349311	44392	62852	0.74	AVV/MVV	
	PCB 55 (BZ)	31:07	31:05	2	3058	5821	797	858	0.53 *	AVB/MVB	R
	PCB 56 (BZ)	31:36	31:36	0	14890	16309	2826	3182	0.91 *	ABV/ABV	R
	PCB 60 (BZ)	31:50	31:48	2	48400	60871	7962	10669	0.80	AVV/AVV	
	PCB 79 (BZ)	33:43	33:42	1	2536	2968	483	760	0.85	ABV/ABV	
	PCB 77 (BZ)	35:23	35:19	4	11911	13531	1866	2353	0.88	MBB/ABB	
302					301.9626	303.9597	301.9626	303.9597	0.65-0.89		
	Noise	00:00	00:00	0	128	113	51	45	1.13 *	/	
	13C12-PCB 54	21:15	21:13	2	316916	397992	74747	97467	0.80	ABV/ABV	
	13C12-PCB 52	25:43	25:44	-1	618662	783937	136538	173281	0.79	ABV/ABV	
	Unidentified	26:07	00:00	0	2300	2581	545	1027	0.89 *	AVV/AVV	
	Unidentified	26:12	00:00	0	4027	3682	558	446	1.09 *	AVV/AVB	RT
	Unidentified	26:38	00:00	0	3833	4678	797	707	0.82	ABB/ABB	
	13C12-PCB 81	34:45	34:42	3	573274	737241	103021	137602	0.78	ABV/ABV	
	Unidentified	35:10	00:00	0	4600	7632	1088	1503	0.60 *	ABB/AVB	R
	13C12-PCB 77	35:22	35:18	4	572080	719784	112557	137481	0.79	ABB/ABB	
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)	29:42	29:45	-3	114633	71927	23052	14370	1.59	ABV/ABB	
	PCB 91 (BZ)	30:32	30:34	-2	17523	11811	3601	2280	1.48	ABB/ABB	
	PCB 84 (BZ)	30:51	30:51	0	12702	8378	2508	1974	1.52	ABB/ABB	
	PCB 92 (BZ)	31:59	32:01	-2	92890	59180	17883	11827	1.57	ABB/ABB	
	PCB 113 (BZ)	32:33	32:33	0	588446	357995	117369	73089	1.64	ABV/ABV	
	PCB 83 (BZ)	33:07	33:07	0	481690	290985	96781	57878	1.66	ABV/ABB	
	PCB 125 (BZ)	33:50	33:48	2	241998	155433	27241	17145	1.56	AVB/ABB	
	PCB 117 (BZ)	34:17	34:18	-1	30496	17735	6033	3841	1.72	ABV/ABV	
	PCB 85 (BZ)	34:26	34:27	-1	150025	97705	30182	19262	1.54	AVV/AVV	M
	PCB 110 (BZ)	34:37	34:37	0	582718	359233	117280	71296	1.62	AVV/AVB	
	PCB 82 (BZ)	35:01	34:59	2	6909	4403	1761	876	1.57	MBB/MBB	

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	J7V9M1AD	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9mx.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99755	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 16:27	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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 120 (BZ)	35:37	35:41	-4	6002	3744	1152	764	1.60	MVB/MVB	M
	PCB 108 (BZ)/107 (IUPAC	36:50	36:53	-3	24486	17937	5583	3265	1.37	ABV/ABV	
	PCB 107 (BZ)/109 (IUPAC	37:04	37:07	-3	125957	75963	25882	13703	1.66	AVV/AVV	D
	PCB 123 (BZ)	37:12	37:13	-1	26540	15678	4944	3346	1.69	AVB/AVB	
	PCB 118 (BZ)	37:32	37:34	-2	1826797	1150023	357410	218475	1.59	ABV/ABV	
	PCB 114 (BZ)	38:04	38:06	-2	47045	25550	8134	5691	1.84 *	AVB/AVB	R
	PCB 105 (BZ)	38:48	38:50	-2	623880	387222	118515	73163	1.61	ABV/ABV	
	PCB 127 (BZ)	40:09	40:13	-4	1722	1147	597	327	1.50	AVV/MVV	D
	PCB 126 (BZ)	41:51	41:52	-1	9973	4701	2462	878	2.12 *	ABV/ABV	R
338					337.9207	339.9178	337.9207	339.9178	1.32-1.78		
	Noise	00:00	00:00	0	163	135	65	54	1.20 *	/	
	13C12-PCB 104	26:38	26:39	-1	749117	459823	160546	100694	1.63	ABV/ABV	
	13C12-PCB 101	32:32	32:33	-1	728223	437608	146067	87340	1.66	ABV/ABV	
	13C12-PCB 111	35:09	35:11	-2	761096	456915	160037	94387	1.67	ABV/ABV	
	13C12-PCB 123	37:10	37:13	-3	958105	581121	196164	116023	1.65	ABV/ABV	
	13C12-PCB 118	37:29	37:32	-3	1018384	628888	193035	120110	1.62	AVV/AVV	
	13C12-PCB 114	38:02	38:04	-2	945255	576789	175728	107687	1.64	AVV/AVV	
	13C12-PCB 105	38:47	38:48	-1	917343	565686	183617	111785	1.62	ABB/ABB	
	13C12-PCB 127	40:07	40:11	-4	1287066	787459	240299	148523	1.63	ABV/ABV	
	13C12-PCB 126	41:50	41:51	-1	921939	574421	180865	116855	1.60	ABV/ABV	
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	Noise	00:00	00:00	0	148	143	59	57	1.04 *	/	
	PCB 136 (BZ)	33:11	33:12	-1	19984	16018	4145	3217	1.25	ABB/ABB	
	PCB 151 (BZ)	35:27	35:29	-2	105008	80125	18767	12811	1.31	ABV/ABB	
	PCB 144 (BZ)	36:01	36:03	-2	11261	6675	2250	1493	1.69 *	ABB/ABB	R
	PCB 147 (BZ)	36:23	36:24	-1	121388	92562	22764	17527	1.31	ABV/ABV	
	PCB 134 (BZ)	36:38	36:39	-1	8554	6956	1758	1387	1.23	AVB/AVB	
	PCB 139 (BZ)	36:54	36:58	-4	16135	11972	2755	1923	1.35	ABB/ABB	M
	PCB 132 (BZ)	37:44	37:46	-2	34170	23464	7428	5277	1.46 *	ABB/ABV	R
	PCB 133 (BZ)	38:03	38:09	-6	16749	15711	3739	3153	1.07	ABB/AVB	M
	PCB 146 (BZ)	38:40	38:46	-6	243661	197344	46990	38891	1.23	ABV/ABV	M
	PCB 153 (BZ)	39:17	39:24	-7	1809049	1441540	357743	278106	1.25	ABV/ABV	M
	PCB 141 (BZ)	39:34	39:38	-4	83397	65901	15230	12856	1.27	AVV/AVB	
	PCB 130 (BZ)	40:00	40:04	-4	46227	32363	9139	6560	1.43 *	ABV/ABV	
	PCB 137 (BZ)	40:10	40:15	-5	50745	39613	10541	8604	1.28	AVV/AVV	M
	PCB 164 (BZ)	40:20	40:24	-4	45470	39461	8227	8342	1.15	AVB/AVB	
	PCB 138 (BZ)	40:37	40:42	-5	1725156	1351189	341856	271251	1.28	ABV/ABV	M
	PCB 158 (BZ)	40:58	41:03	-5	160313	135113	31420	27343	1.19	AVB/AVB	M
	PCB 166 (BZ)	41:50	41:54	-4	16328	10945	3456	2886	1.49 *	ABV/ABV	R
	PCB 128 (BZ)	41:59	42:01	-2	235348	186611	45558	34469	1.26	AVB/AVB	
	PCB 167 (BZ)	43:32	43:40	-8	56426	46892	11846	8614	1.20	ABB/ABB	M
	PCB 156 (BZ)	44:43	44:50	-7	167009	139130	24217	20588	1.20	ABV/ABB	M
	PCB 169 (BZ)	48:01	48:04	-3	3946	1972	680	610	2.00 *	MVB/AVB	R
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		

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	J7V9M1AD	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9mx.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99755	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 16:27	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	Noise	00:00	00:00	0	180	150	72	60	1.20	/	
	13C12-PCB 155	32:09	32:14	-5	627718	492196	123915	98388	1.28	ABV/ABB	M
	13C12-PCB 138	40:35	40:40	-5	835649	647808	167734	129566	1.29	ABV/ABV	M
	Unidentified	40:57	00:00	0	14018	7937	2377	1876	1.77 *	AVB/AVB	R
	13C12-PCB 167	43:32	43:37	-5	792861	601239	156483	117659	1.32	AVV/ABV	M
	13C12-PCB 156	44:48	44:47	1	1548991	1220393	160734	121495	1.27	AVV/AVV	
	13C12-PCB 169	48:00	48:03	-3	594296	456356	95626	71767	1.30	ABV/ABV	
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	Noise	00:00	00:00	0	128	118	51	47	1.09	/	
	PCB 179 (BZ)	38:22	38:28	-6	24799	24998	5324	5313	0.99	ABB/ABB	M
	PCB 176 (BZ)	39:13	39:20	-7	1885	1914	527	324	0.98	ABB/ABB	M
	PCB 178 (BZ)	40:58	41:06	-8	38183	35874	7854	7699	1.06	ABB/ABB	M
	PCB 175 (BZ)	41:36	41:43	-7	3088	3163	758	641	0.98	ABB/ABB	M
	PCB 187 (BZ)	41:51	41:59	-8	315997	293730	67169	61779	1.08	ABV/ABV	M
	PCB 183 (BZ)	42:27	42:35	-8	85306	79322	17491	15057	1.08	ABV/ABV	M
	PCB 185 (BZ)	42:38	42:44	-6	8372	6220	1728	1517	1.35 *	AVV/AVV	RDM
	PCB 174 (BZ)	42:48	42:54	-6	14972	13825	2963	2883	1.08	AVB/AVB	M
	PCB 177 (BZ)	43:14	43:21	-7	36173	32862	7467	6988	1.10	ABB/ABB	M
	PCB 181 (BZ)	43:33	43:41	-8	2232	1581	392	427	1.41 *	ABB/MVV	RM
	PCB 173 (BZ)	43:51	43:57	-6	35973	34081	7285	6841	1.06	ABB/ABB	M
	PCB 172 (BZ)	45:24	45:32	-8	19206	19406	4350	4249	0.99	ABB/ABB	M
	PCB 193 (BZ)	46:02	46:06	-4	387333	375660	66601	66714	1.03	ABV/ABV	M
	PCB 191 (BZ)	46:25	46:32	-7	8445	7035	1313	974	1.20	AVB/AVV	M
	PCB 170 (BZ)	47:24	47:30	-6	112732	104210	21956	19074	1.08	ABV/ABV	M
	PCB 190 (BZ)	47:53	47:59	-6	50282	44457	9043	8796	1.13	AVB/ABV	M
	PCB 189 (BZ)	50:38	50:34	4	5790	4457	744	883	1.30 *	ABB/ABB	RM
406					405.8428	407.8398	405.8428	407.8398	0.89-1.21		
	Noise	00:00	00:00	0	133	135	53	54	0.98	/	
	13C12-PCB 188	37:52	37:58	-6	696959	658085	142139	130892	1.06	ABV/ABV	
	13C12-PCB 178	40:57	41:04	-7	447005	435038	90976	84487	1.03	ABV/ABV	
	13C12-PCB 180	46:00	46:08	-8	676943	642517	136005	119421	1.05	ABV/ABV	
	13C12-PCB 170	47:22	47:28	-6	429200	423214	77631	77527	1.01	ABV/ABV	
	13C12-PCB 189	50:33	50:32	1	541839	522971	76229	75387	1.04	ABB/ABV	
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	Noise	00:00	00:00	0	80	75	32	30	1.07 *	/	
	PCB 202 (BZ)	43:15	43:22	-7	21977	25037	4248	5208	0.88	ABB/ABB	M
	PCB 200 (BZ)/201 (IUPAC	44:09	44:18	-9	4214	4921	900	1068	0.86	ABB/ABB	M
	PCB 197 (BZ)	44:58	45:10	-12	2154	2118	479	473	1.02 *	ABB/ABB	DM
	PCB 198 (BZ)	47:59	48:03	-4	57517	63908	9929	11106	0.90	ABB/ABB	M
	PCB 196 (BZ)	48:37	48:46	-9	13765	14902	2642	2405	0.92	ABV/ABV	M
	PCB 203 (BZ)	48:51	48:56	-5	37439	42017	6498	8206	0.89	AVB/AVB	M
	PCB 195 (BZ)	50:16	50:18	-2	13404	14393	2583	2960	0.93	ABB/ABB	D
	PCB 194 (BZ)	52:48	52:38	10	23646	27684	3752	4199	0.85	ABB/ABB	M
	PCB 205 (BZ)	53:14	53:06	8	1147	1679	189	218	0.68 *	ABB/ABB	RTM

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	J7V9M1AD	Prep Batch	7278087	Lot No	H7I280209-001
Data File	/20071012s1/apj7v9mx.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99755	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 16:27	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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

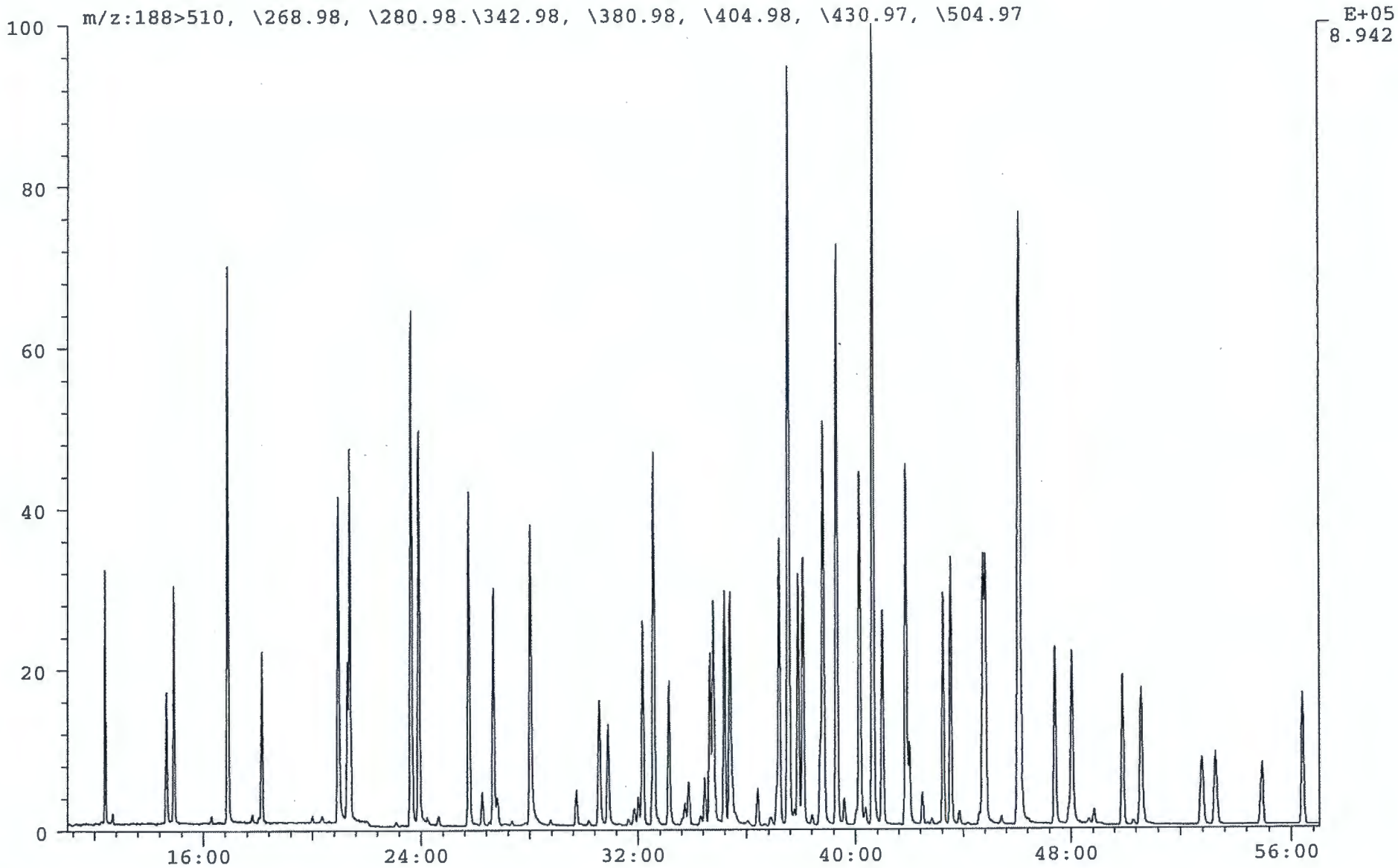
View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
440					439.8038	441.8008	439.8038	441.8008	0.76-1.02		
	Noise	00:00	00:00	0	90	85	36	34	1.06 *	/	
	13C12-PCB 202	43:13	43:21	-8	546680	603434	113014	122414	0.91	ABV/ABV	D
	13C12-PCB 194	52:46	52:37	9	256248	274121	33470	34701	0.93	ABV/ABV	
	13C12-PCB 205	53:14	53:04	10	282257	311376	37098	41079	0.91	AVV/AVV	
462					461.7246	463.7216	461.7246	463.7216	0.65-0.89		
	Noise	00:00	00:00	0	33	35	13	14	0.93 *	/	
	PCB 208 (BZ)	49:53	50:01	-8	5464	7022	913	1325	0.78	ABB/ABB	M
	PCB 207 (BZ)	50:50	50:57	-7	964	1516	228	344	0.64 *	ABB/ABB	RM
	PCB 206 (BZ)	54:56	54:48	8	9975	12561	1947	2271	0.79	ABB/ABB	M
474					473.7648	475.7619	473.7648	475.7619	0.65-0.89		
	Noise	00:00	00:00	0	75	60	30	24	1.25 *	/	
	13C12-PCB 208	49:52	50:00	-8	385067	488961	66749	85815	0.79	ABV/ABV	D
	13C12-PCB 206	54:57	54:47	10	176792	217003	25378	31564	0.81	ABB/ABV	
496					495.6856	497.6826	495.6856	497.6826	0.59-0.79		
	Noise	00:00	00:00	0	35	40	14	16	0.88 *	/	
	PCB 209 (BZ)	56:25	56:23	2	8374	14560	1841	3071	0.58 *	ABB/ABB	R
508					507.7258	509.7229	507.7258	509.7229	0.59-0.79		
	Noise	00:00	00:00	0	143	43	57	17	3.35 *	/	
	13C12-PCB 209	56:23	56:22	1	287586	419119	52829	74143	0.69	ABB/ABV	

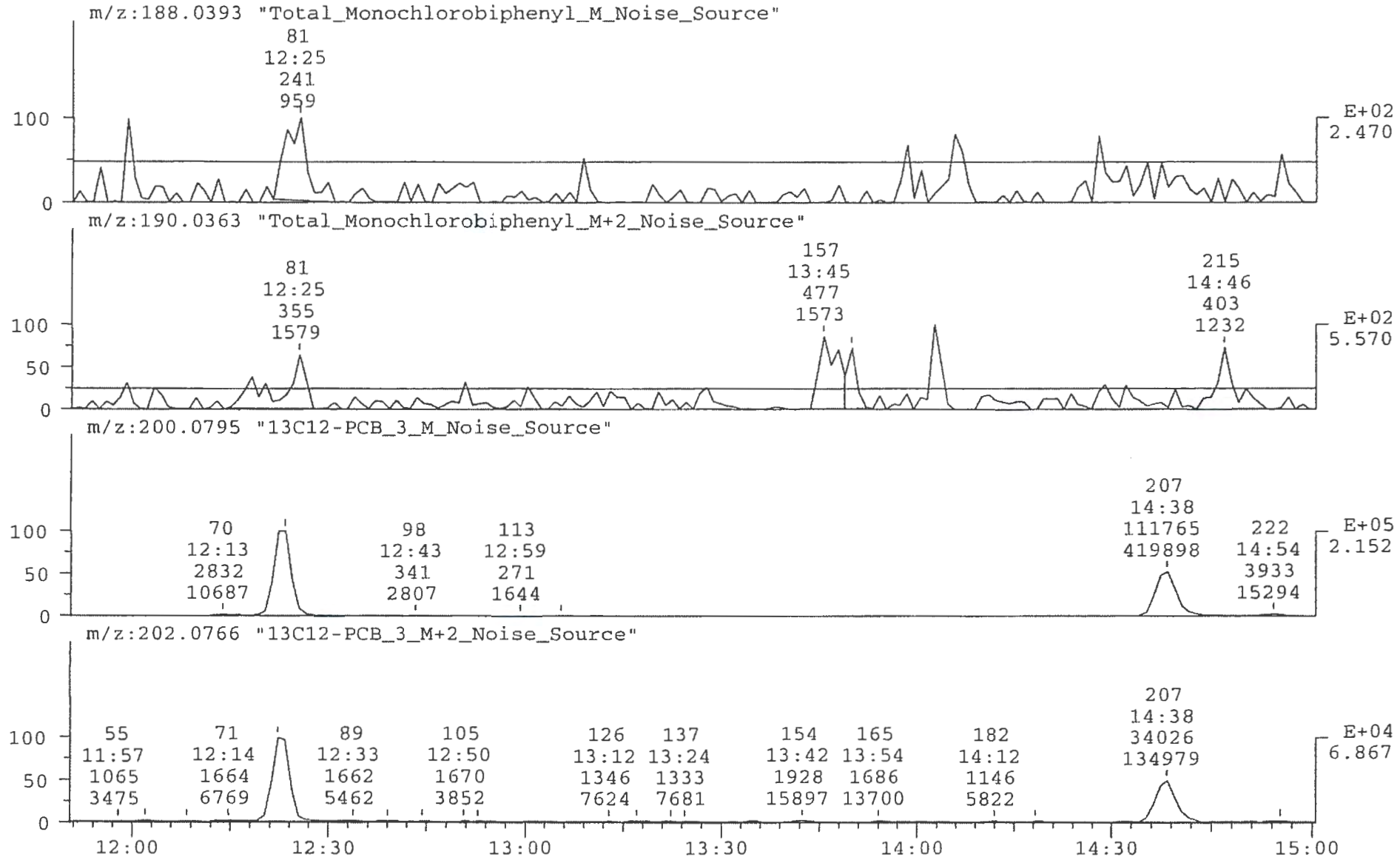
Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside comax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

CHRO: apj7v9mx 12-Oct-07 Elapse: 56:10 2554
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
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

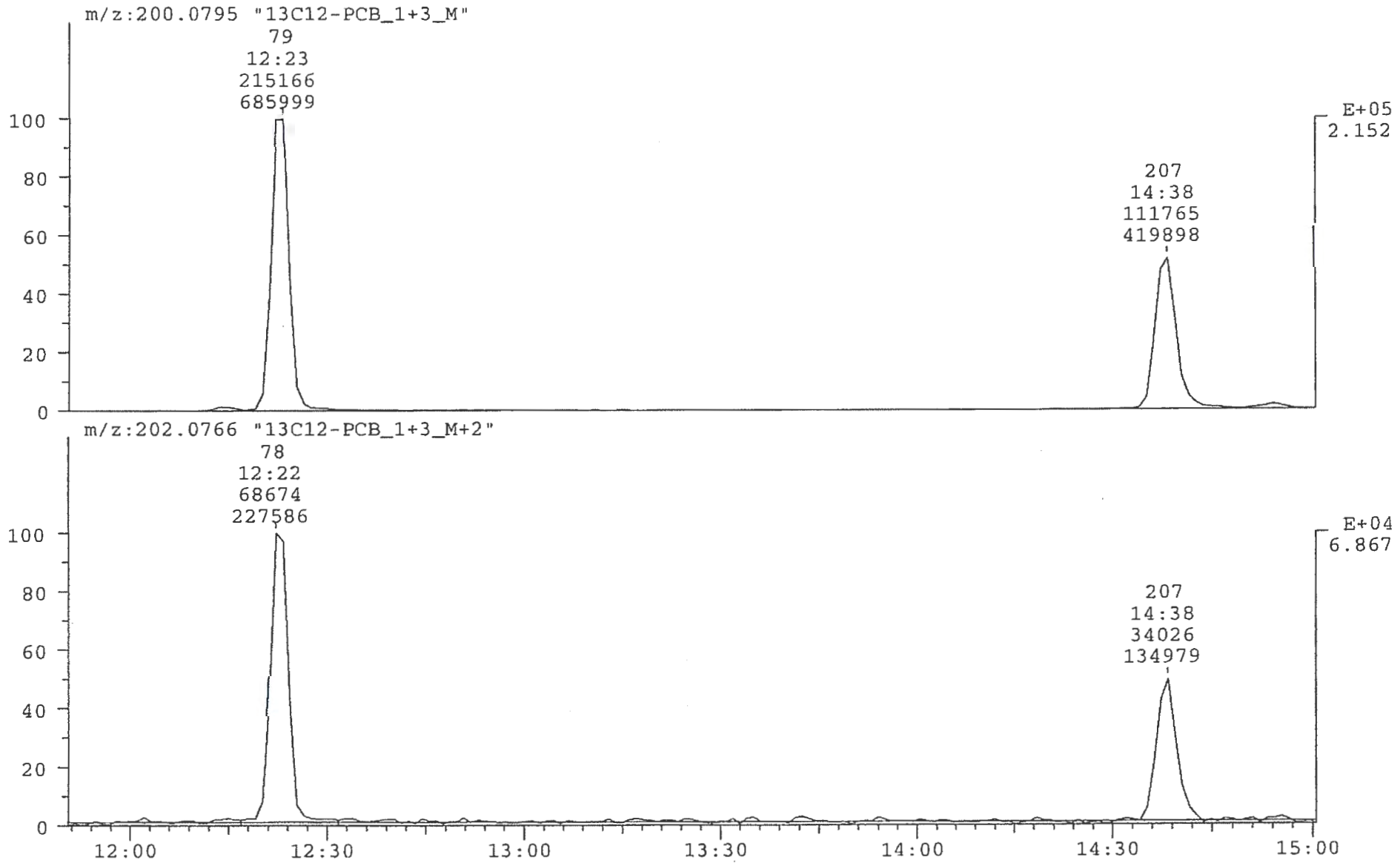
Int PMP 10-13-07
Calc BPW 10/15/07
QC/Rev MSD 10/15/07



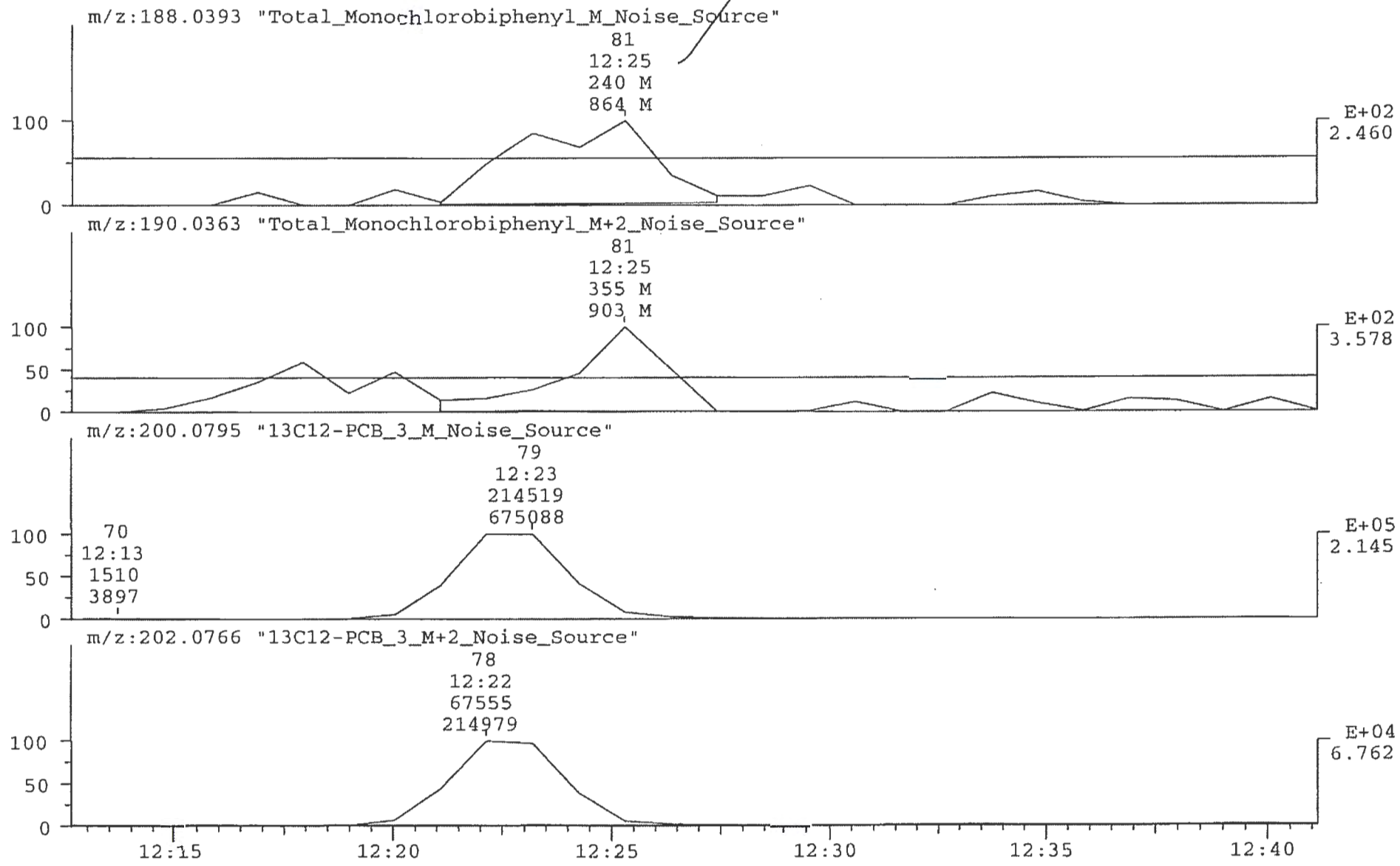
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  13:25.5      138
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Di1=1                  Start :  16:27:14    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC      Vial  13
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:  apj7v9mx                                12-Oct-07   Elapse:  13:25.5      138
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
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
```

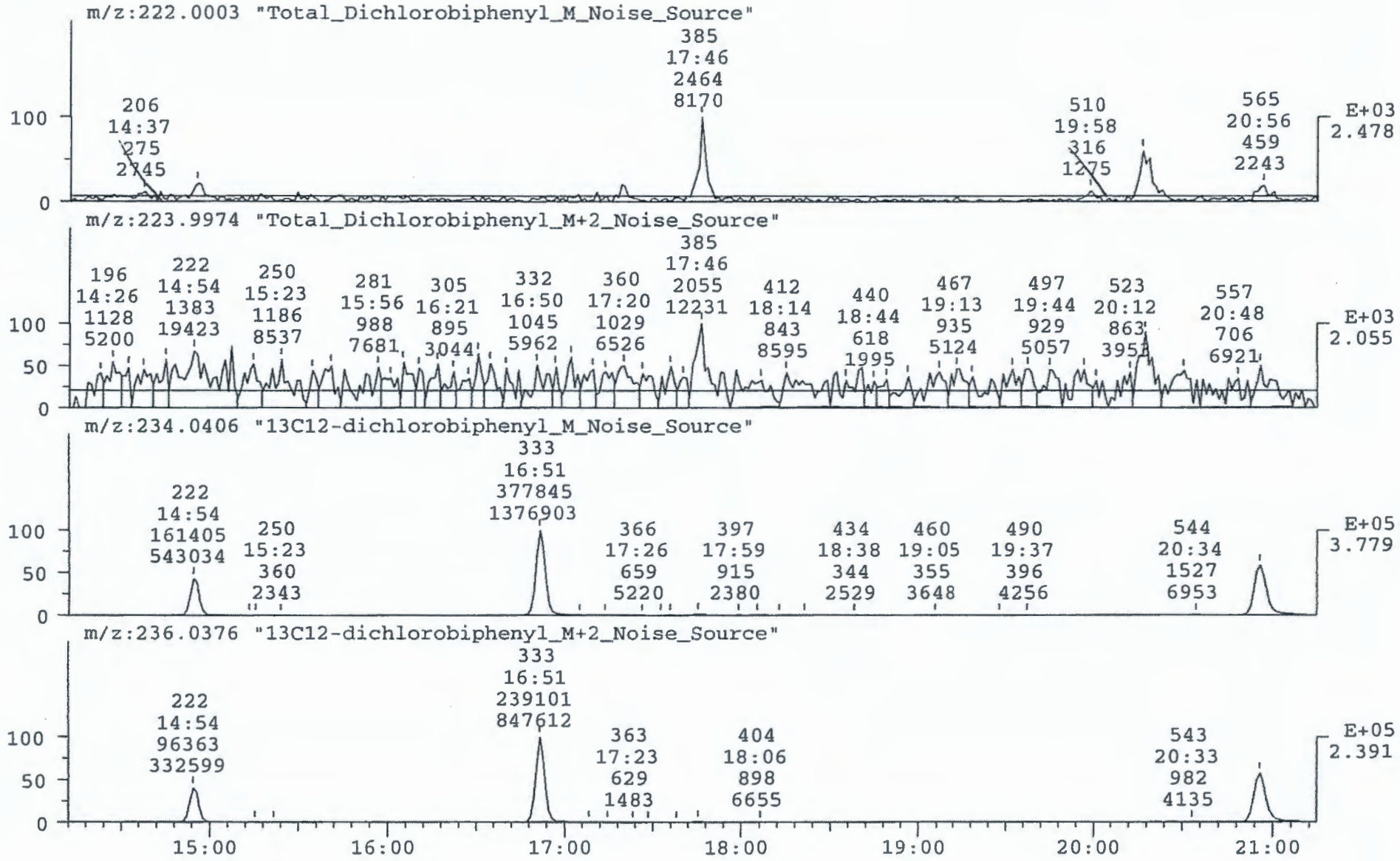


CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 69 > 96 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area

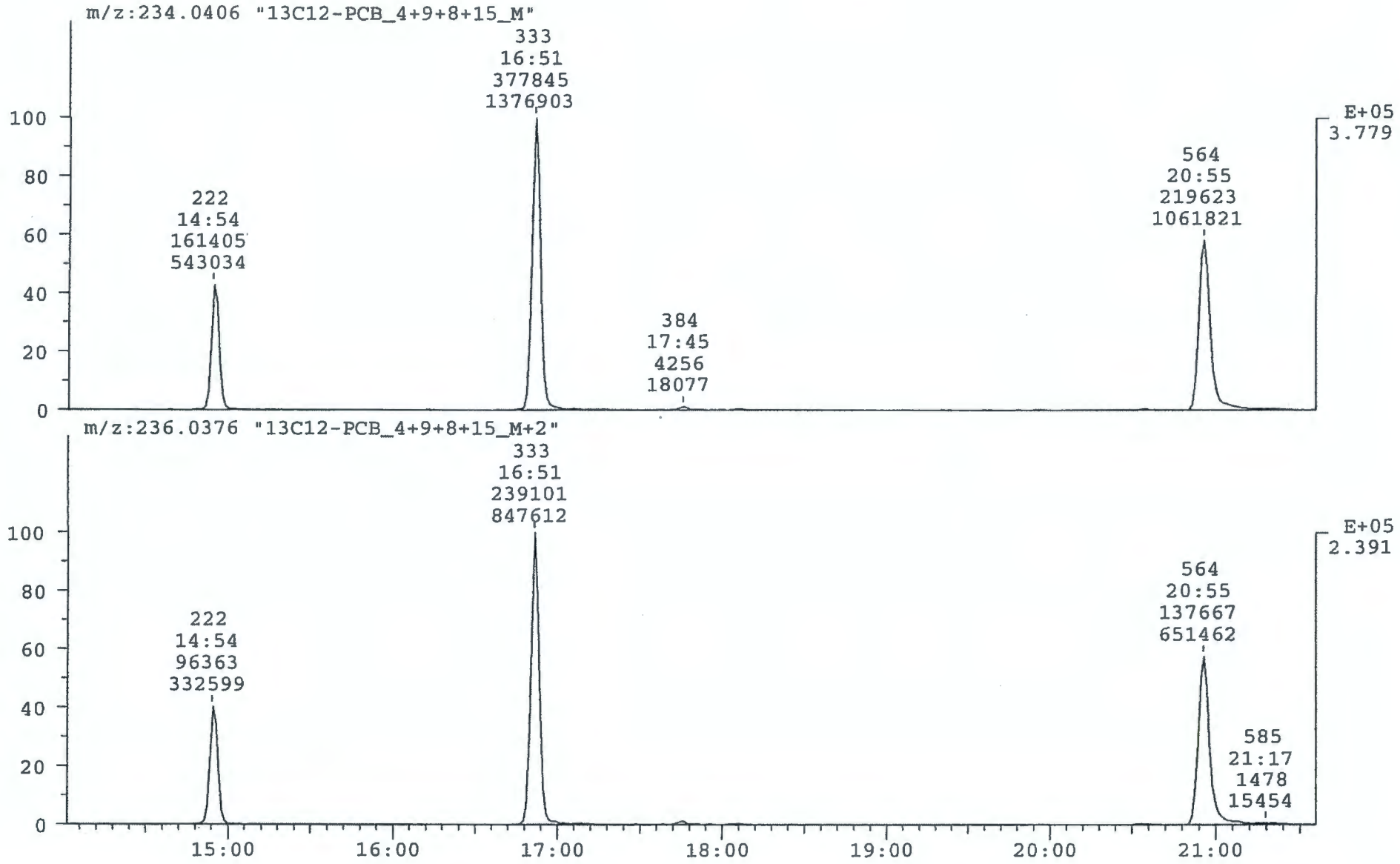


2228

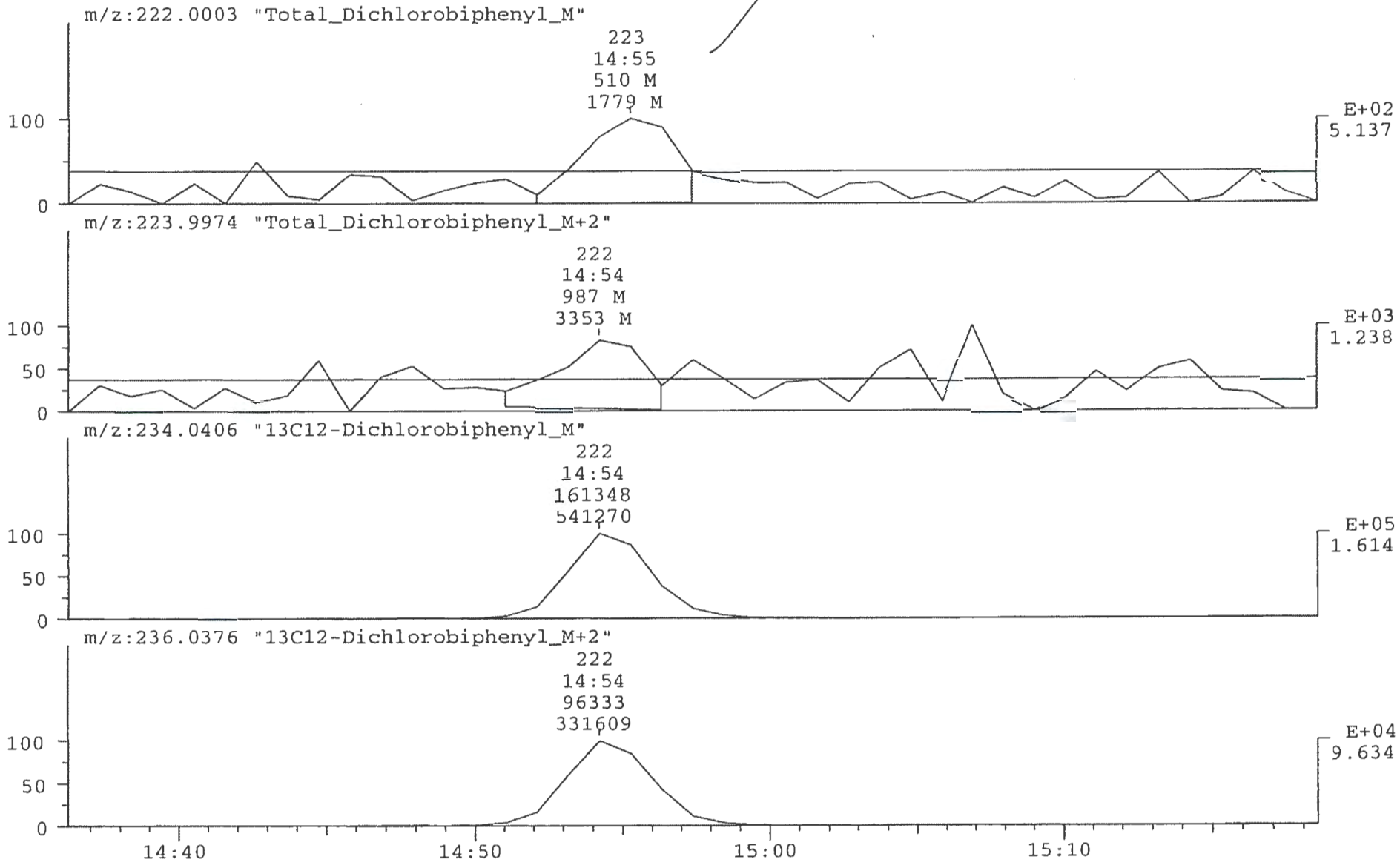
CHRO: apj7v9mx 12-Oct-07 Elapse: 17:43.2 382
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 182 > 582 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



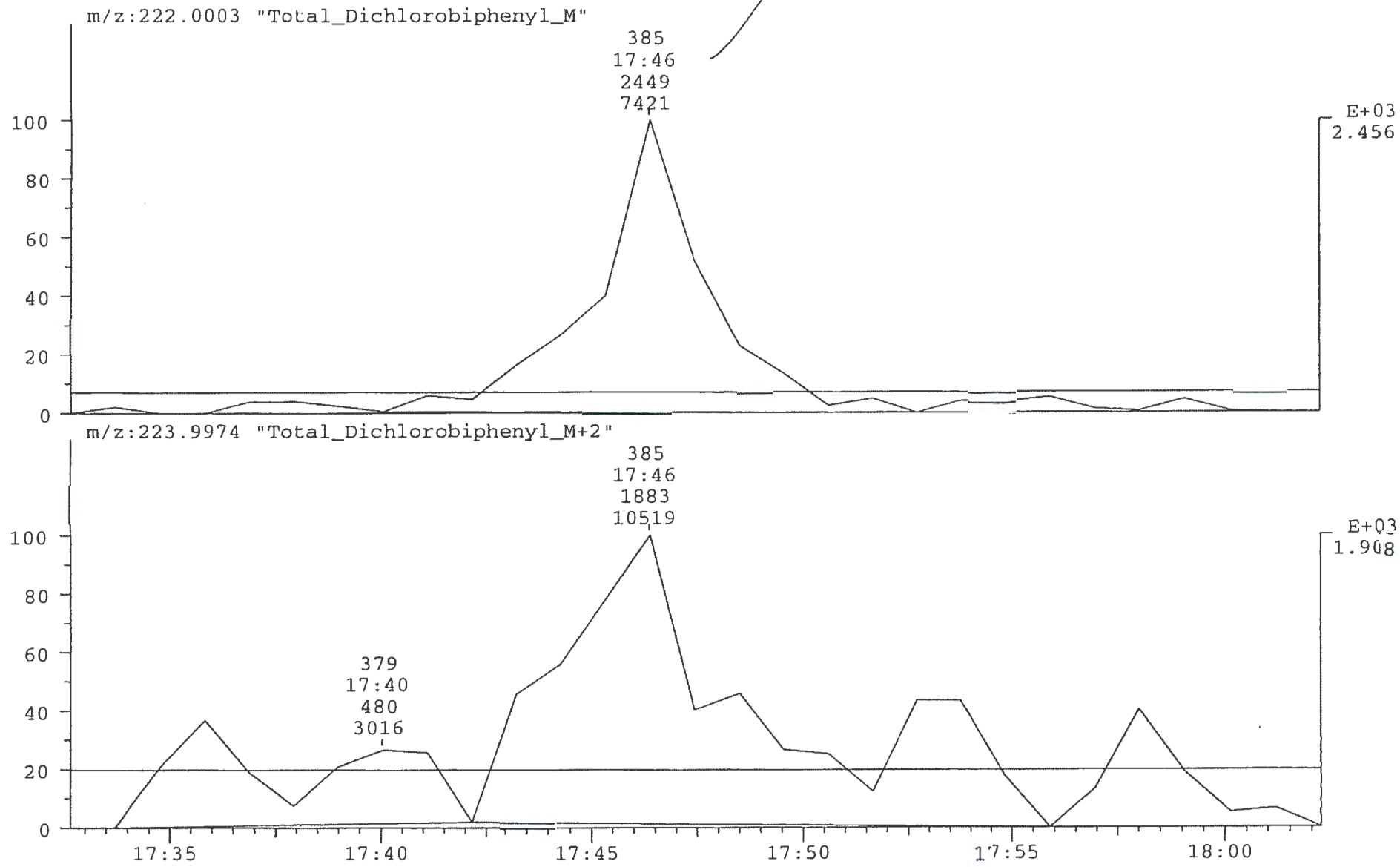
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  17:43.2      382
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC      Vial  13
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
```



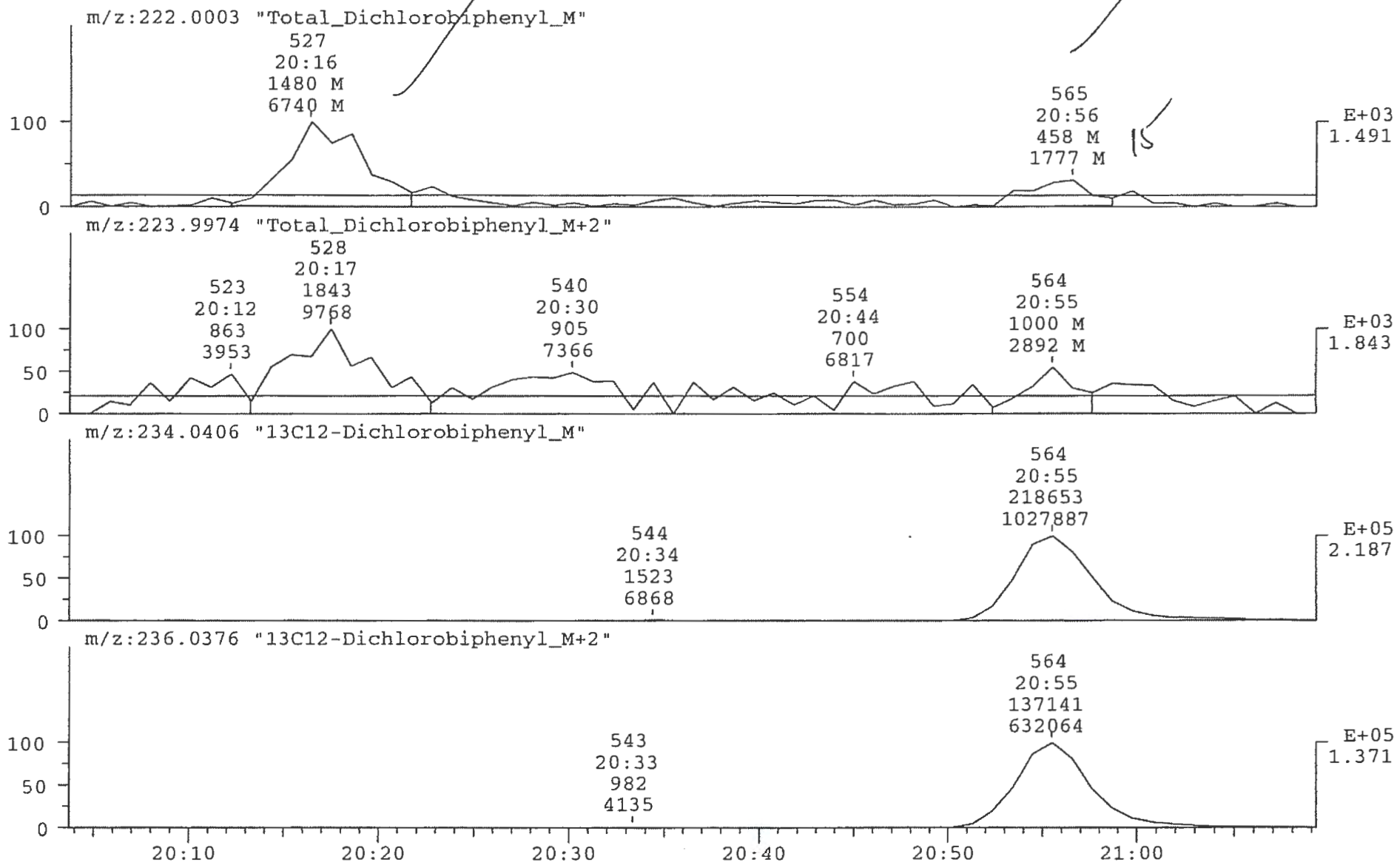
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC      Vial 13
Peak:  100.00  ppm      Label wndw:   205 > 245            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



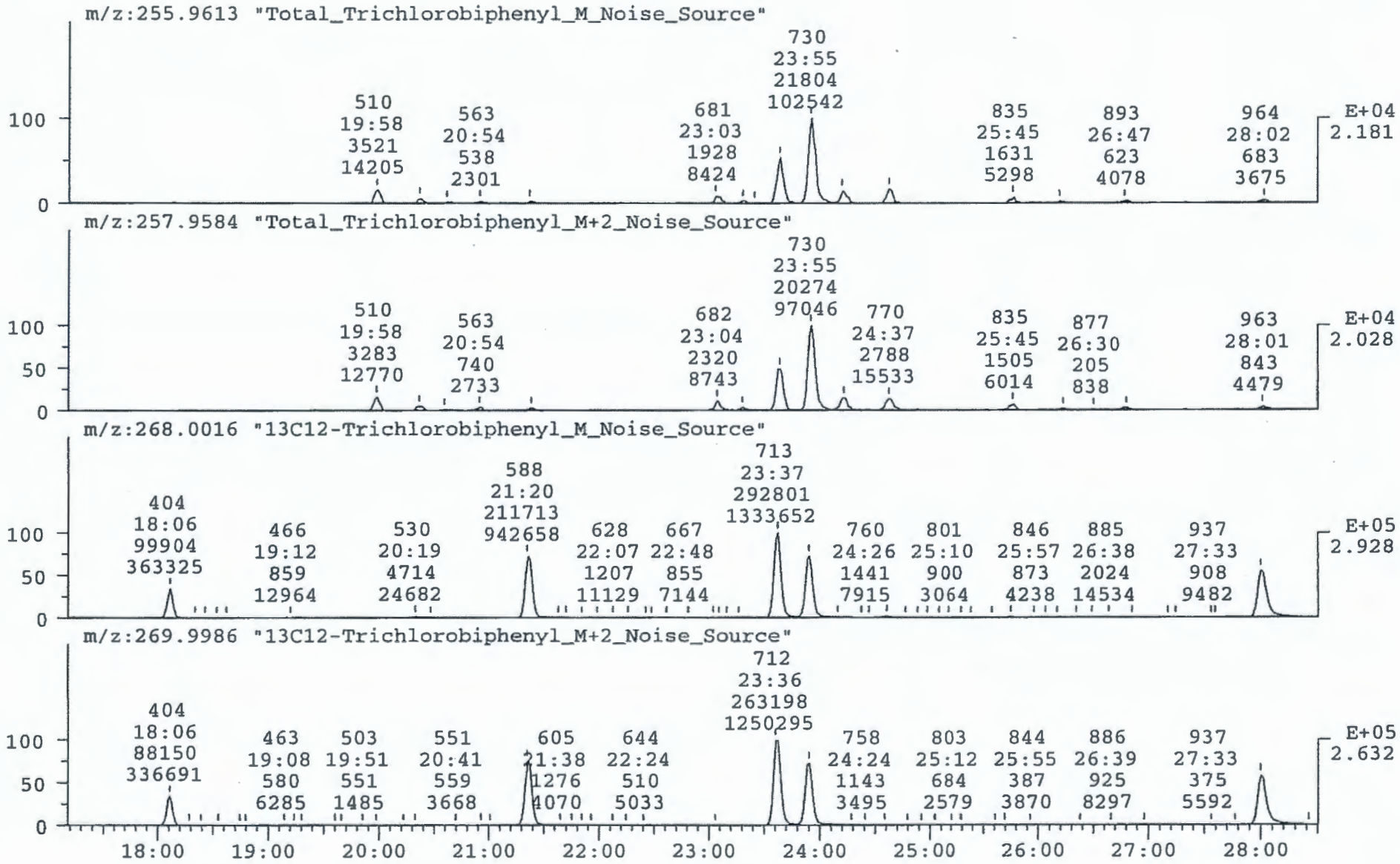
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial 13
Peak:  100.00  ppm      Label wndw:   372 > 400            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



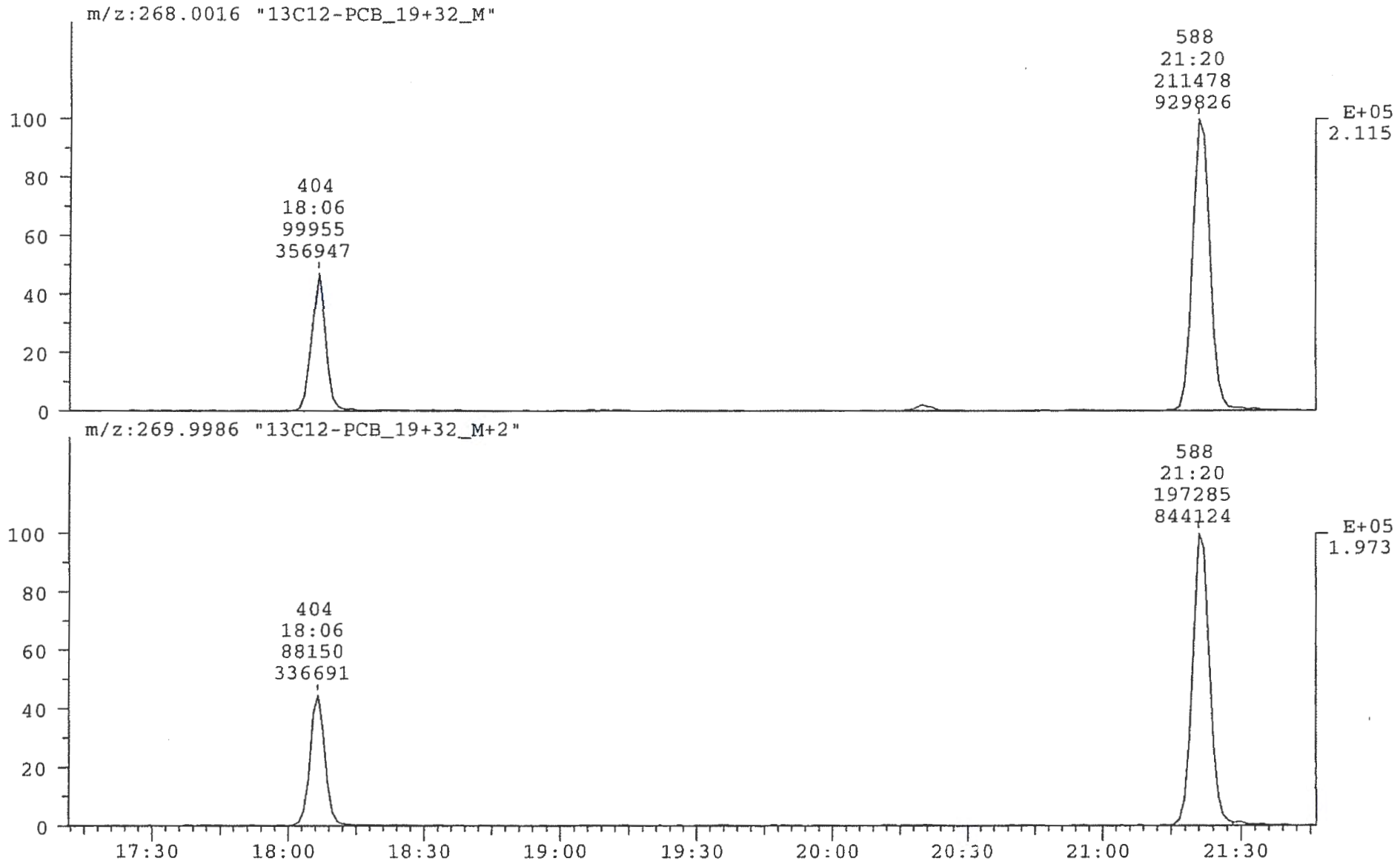
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 515 > 577 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



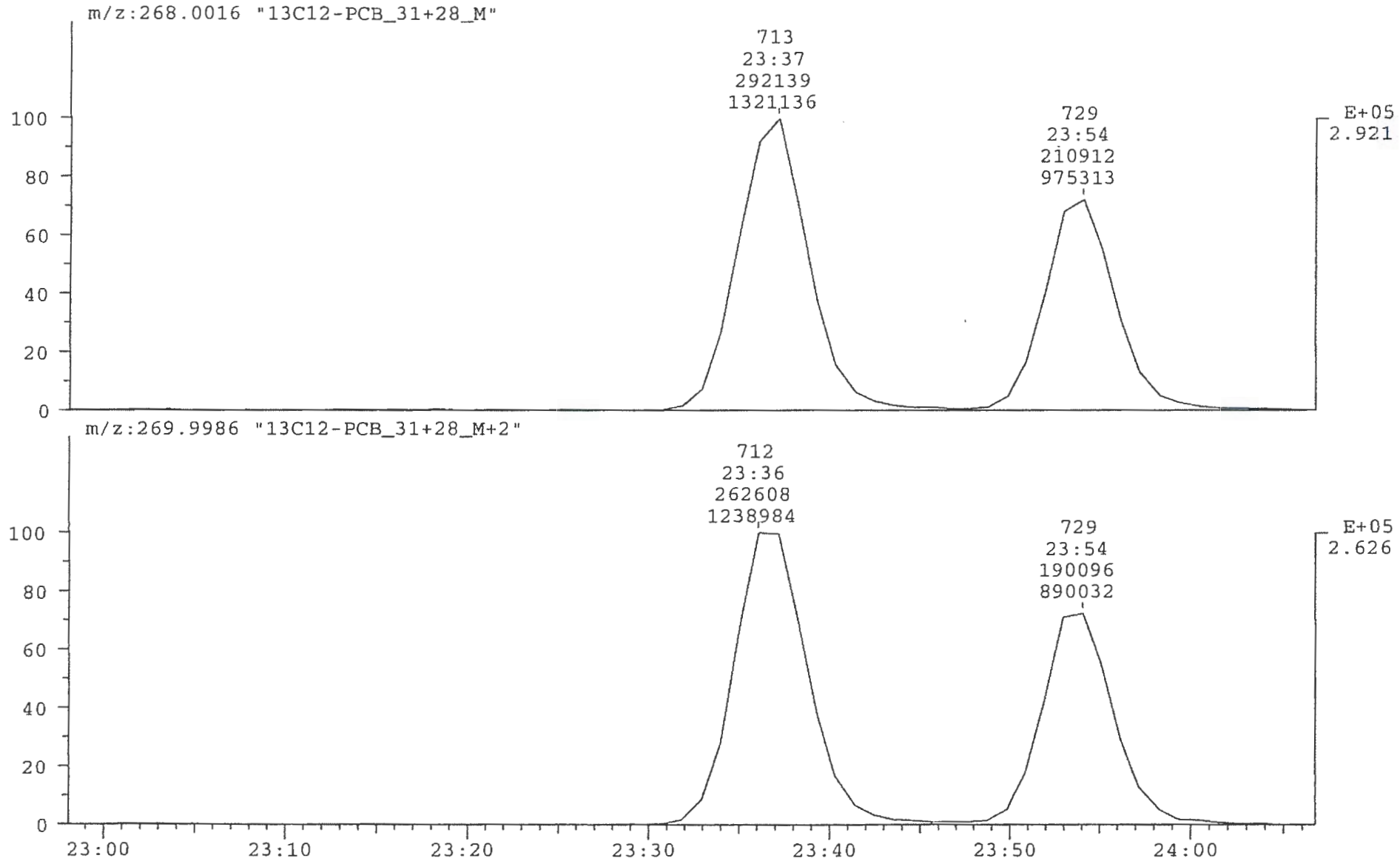
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  22:52.8      671
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
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
```



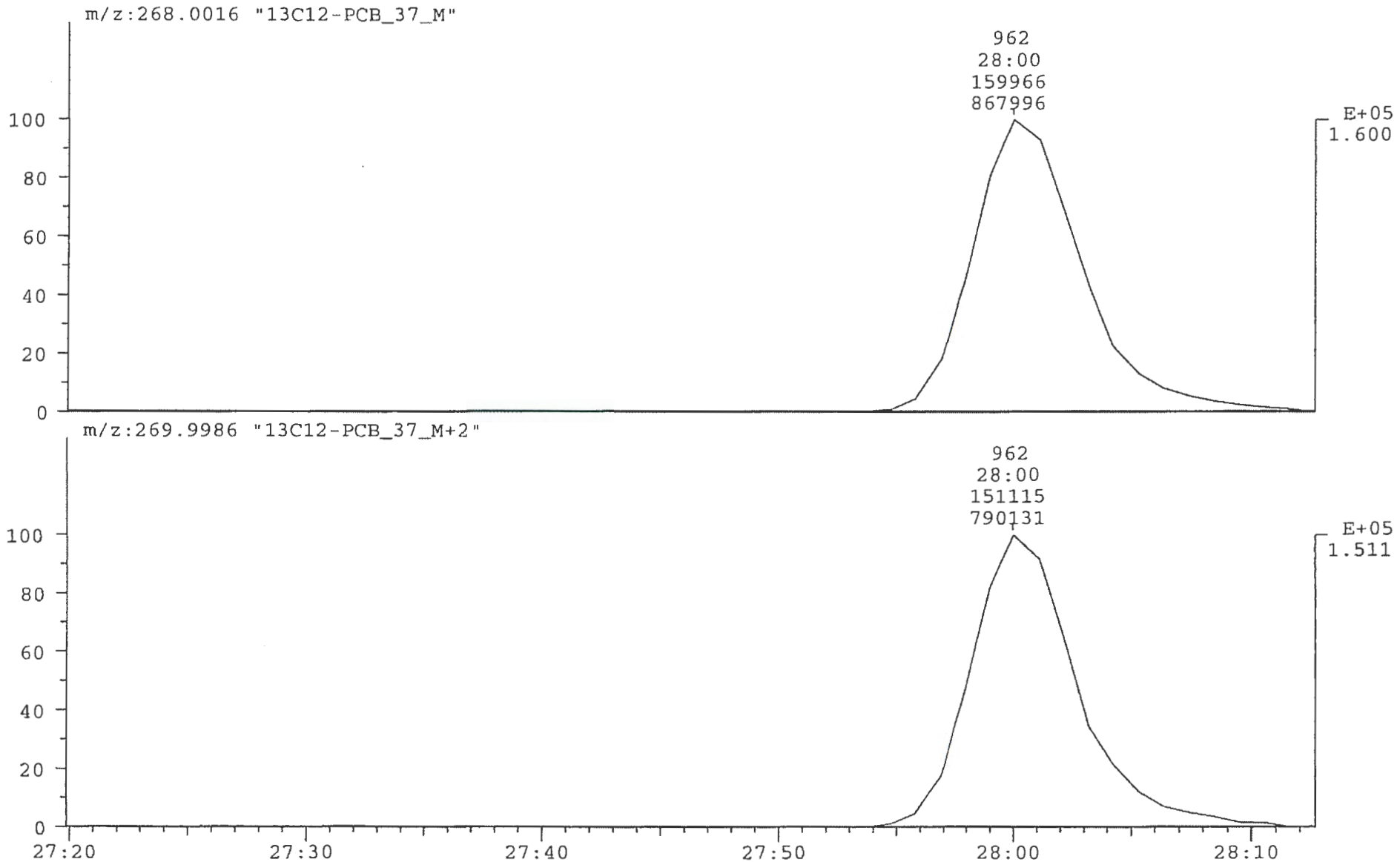
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  19:18.3      472
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC      Vial  13
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
```



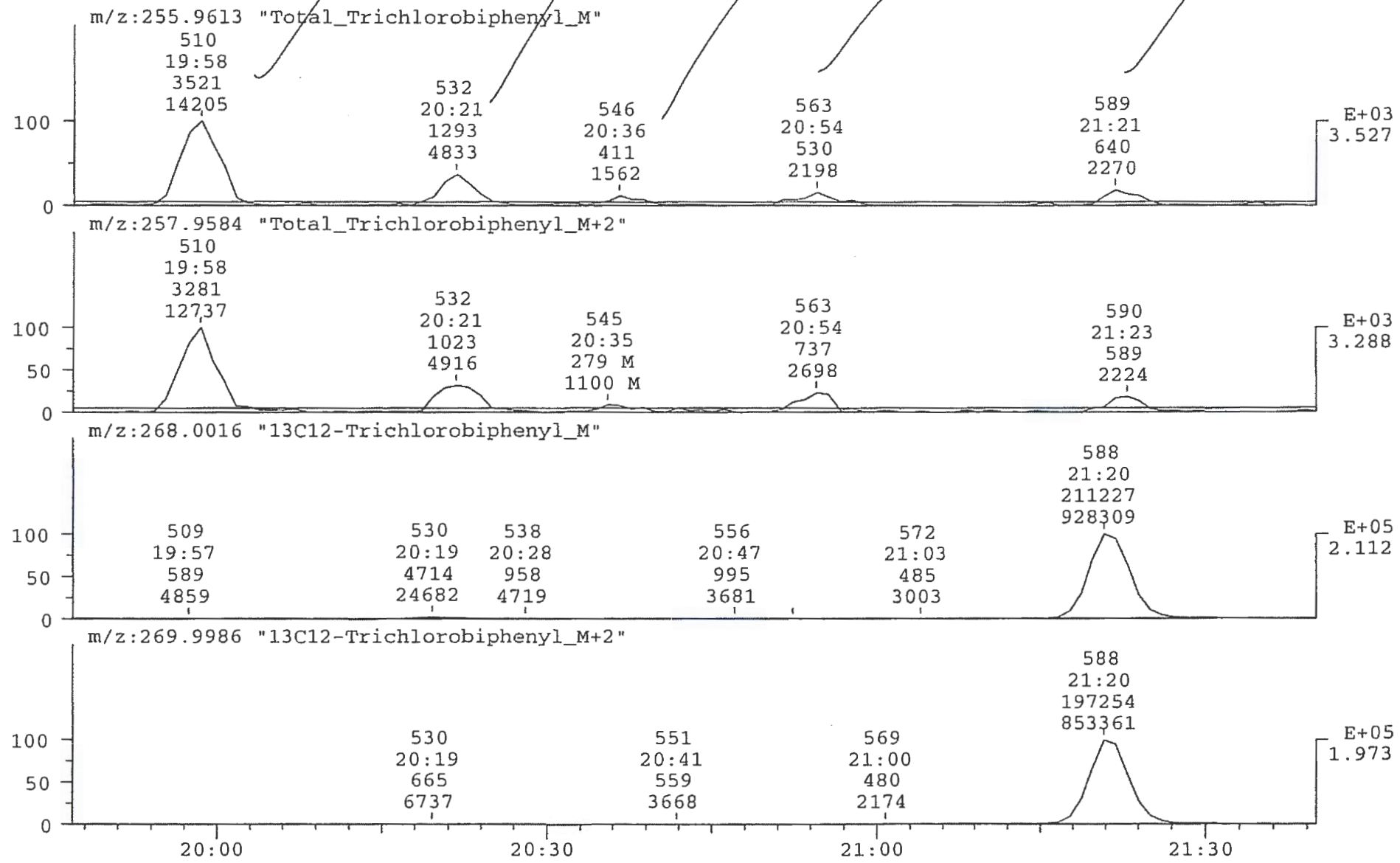
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  23:24.5      701
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
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
```



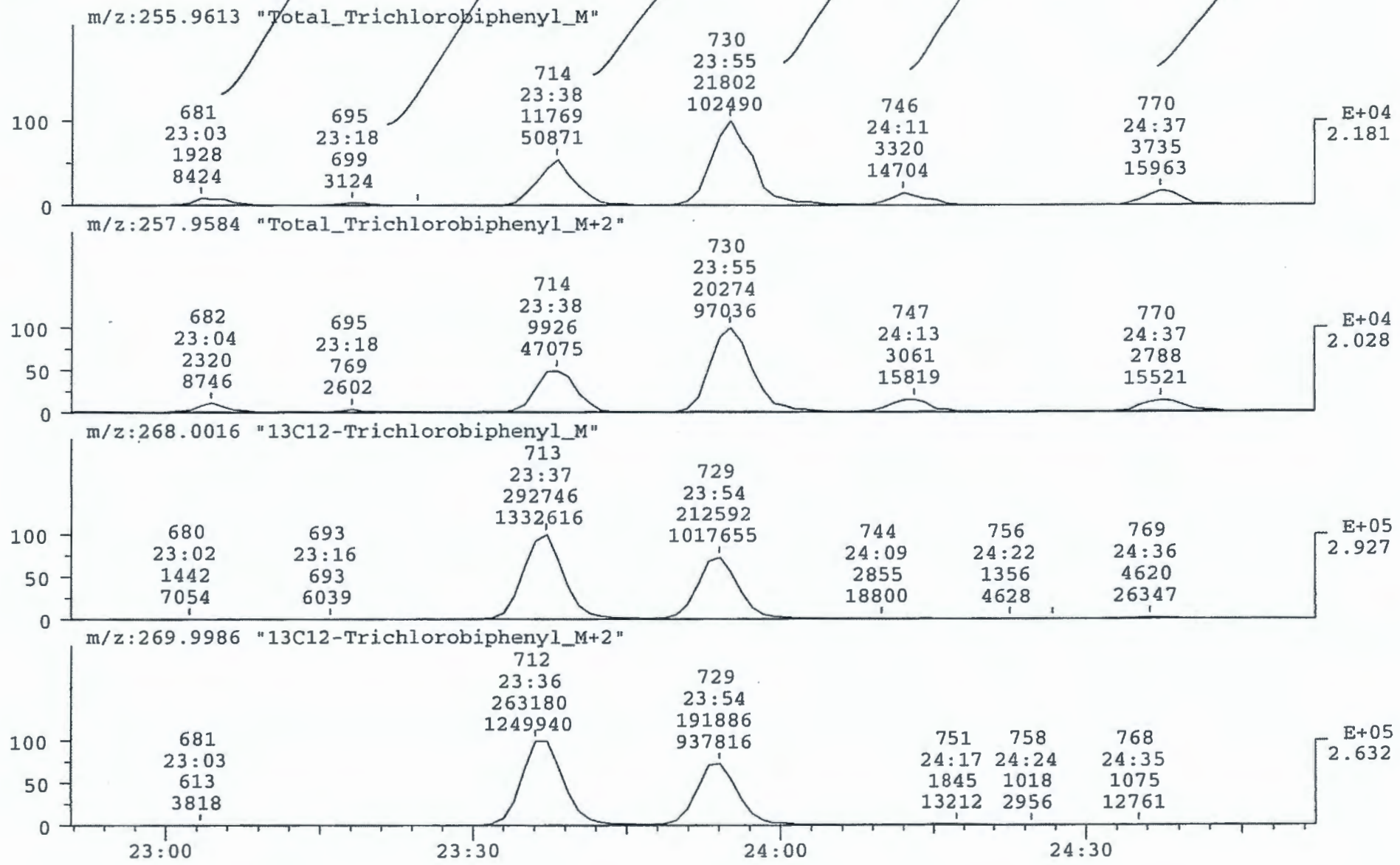
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  27:46.3      949
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
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
```



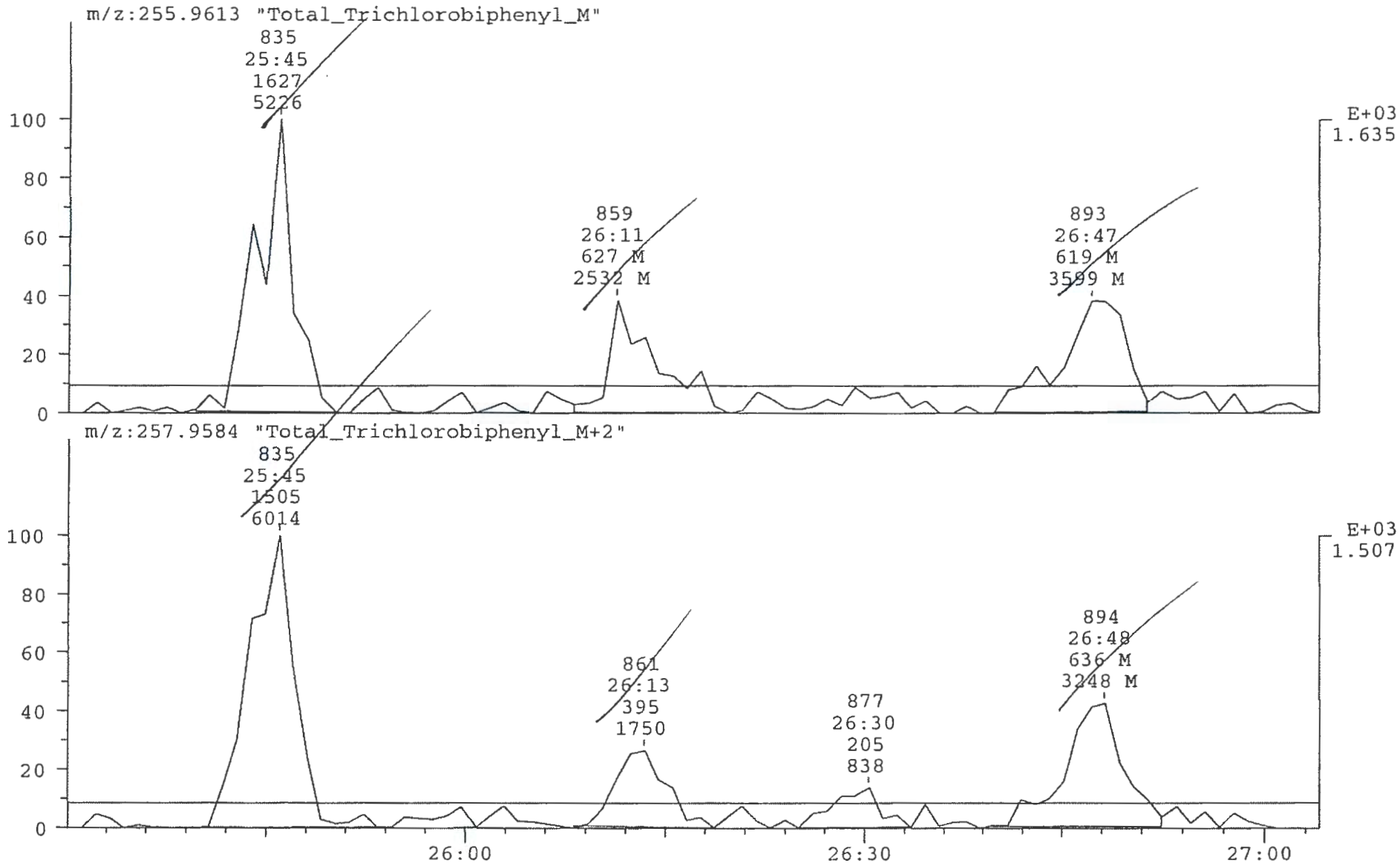
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 499 > 606 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



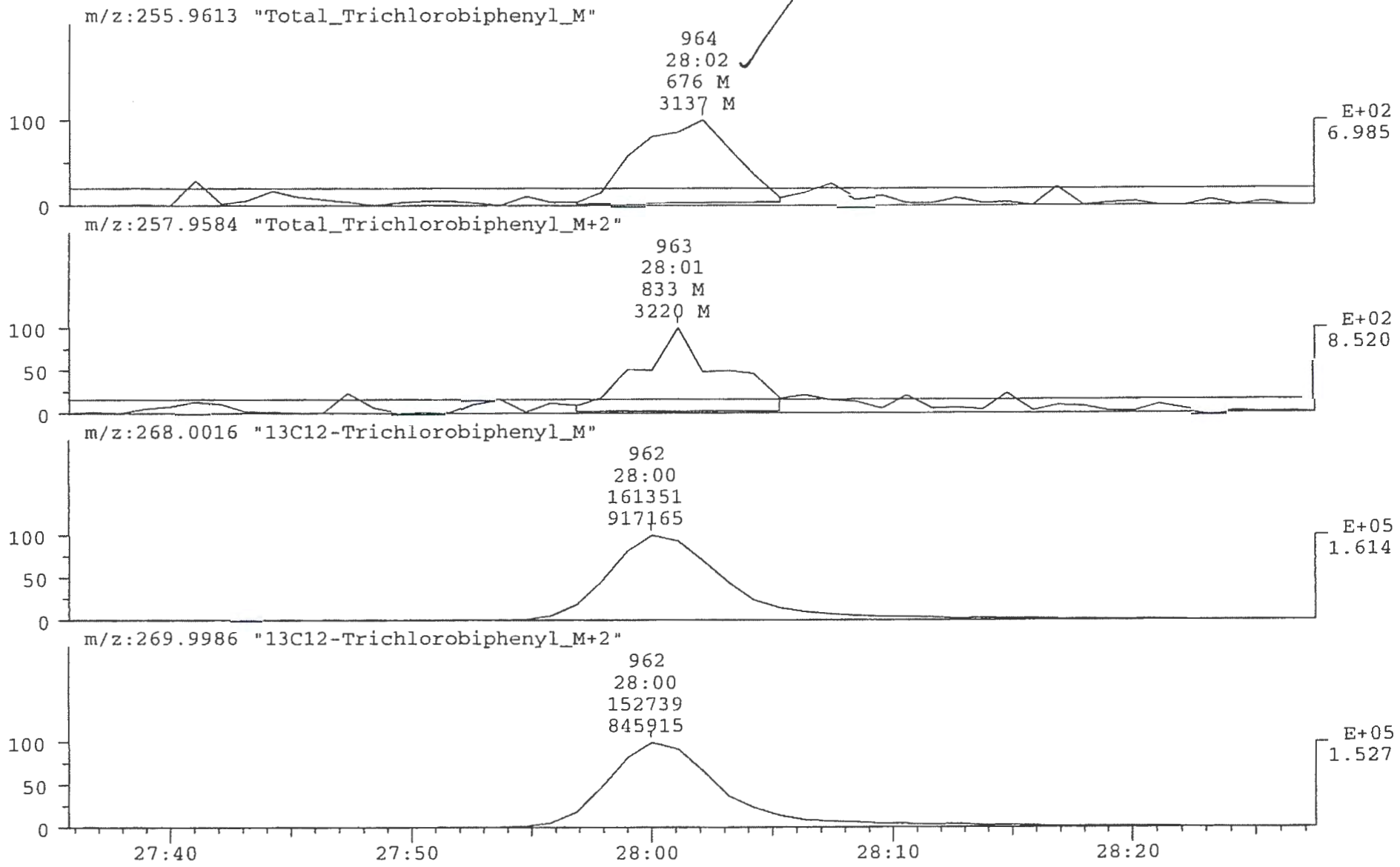
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 669 > 784 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



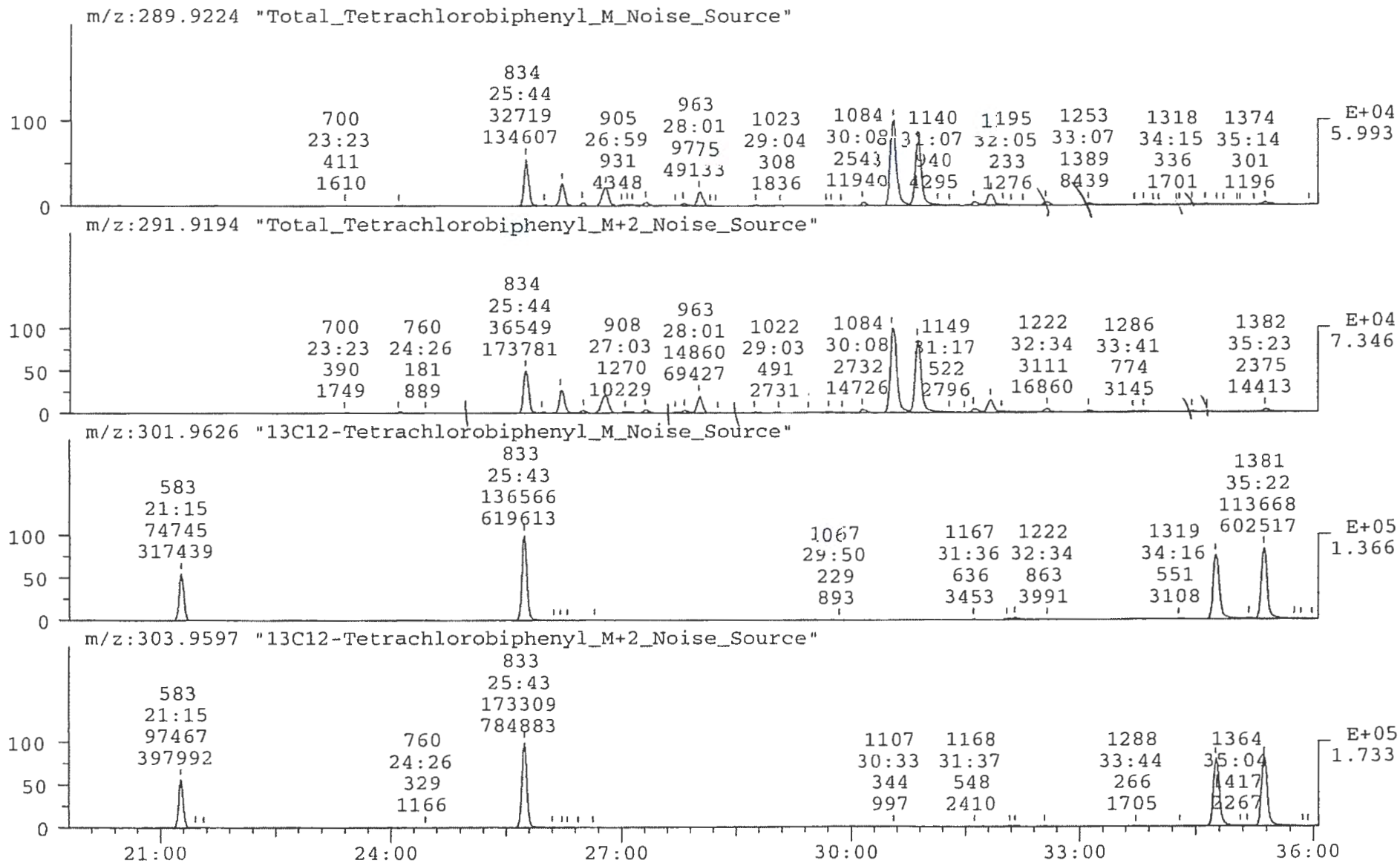
```
CHRO:  apj7v9mx                                12-Oct-07  Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                 Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG           Client:  H7I280209-001X              Inlet :  GC     Vial 13
Peak:  100.00  ppm     Label wndw:   820 > 909            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



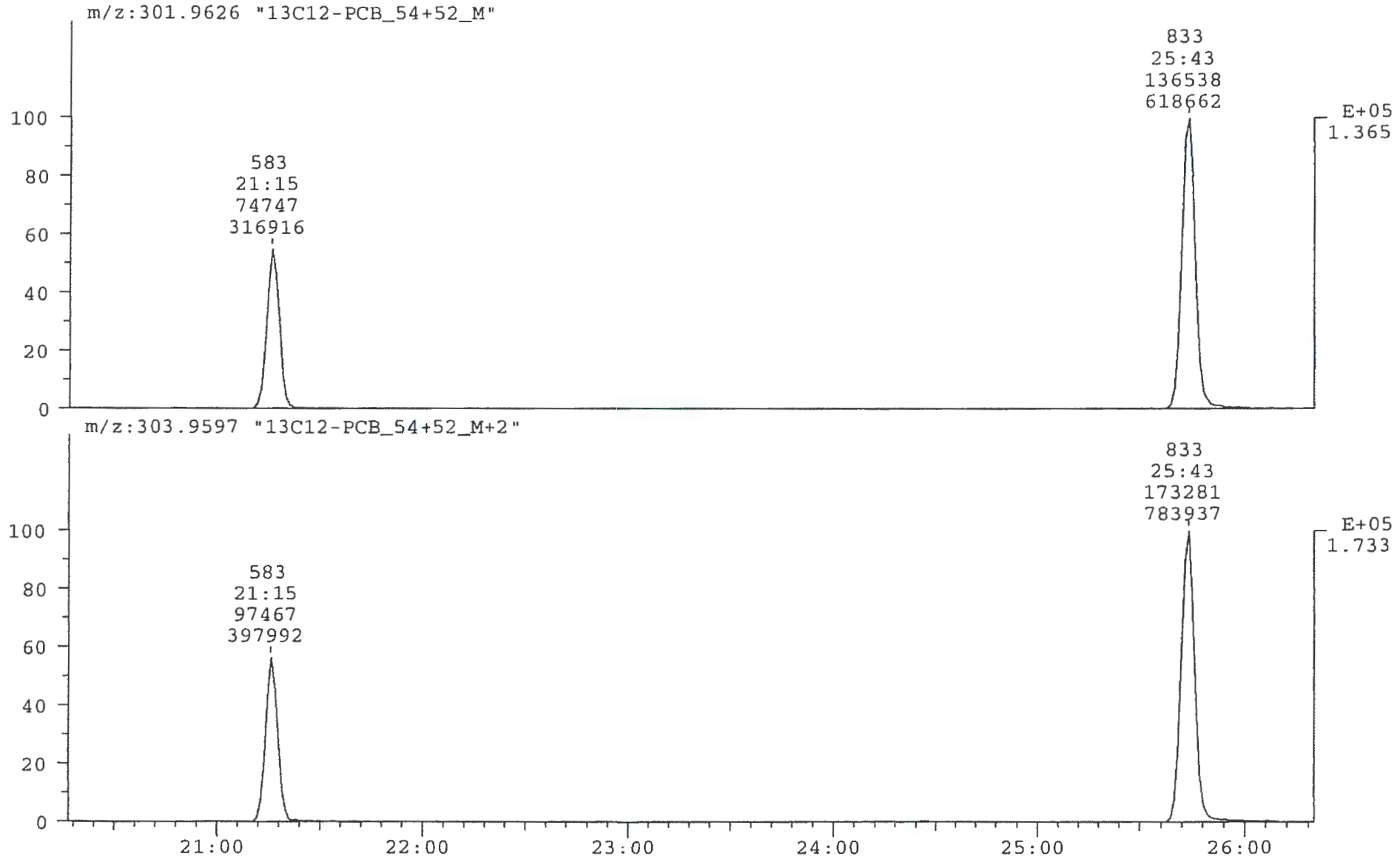
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   939 > 988            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



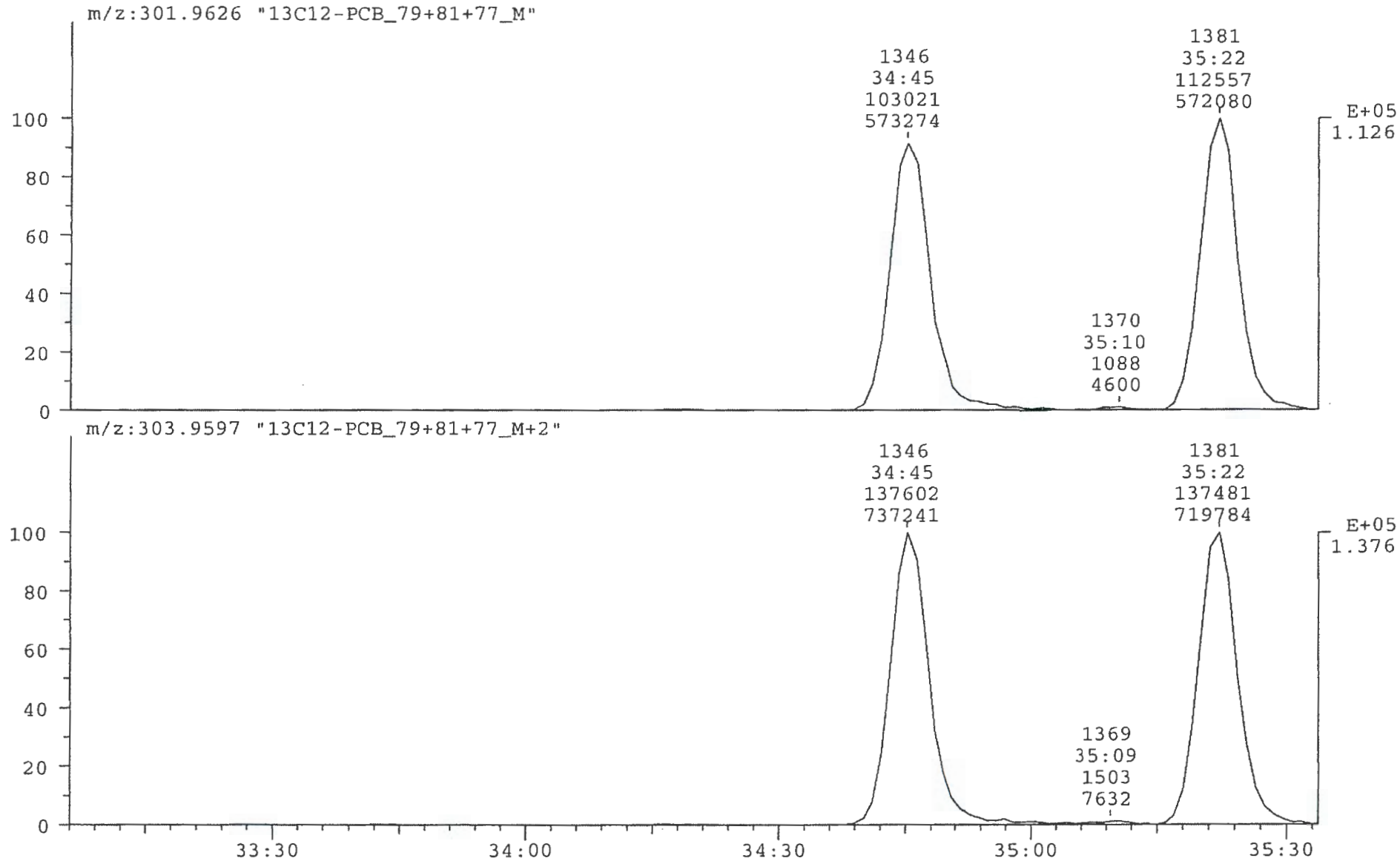
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  27:55.7      958
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   500 > 1421           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



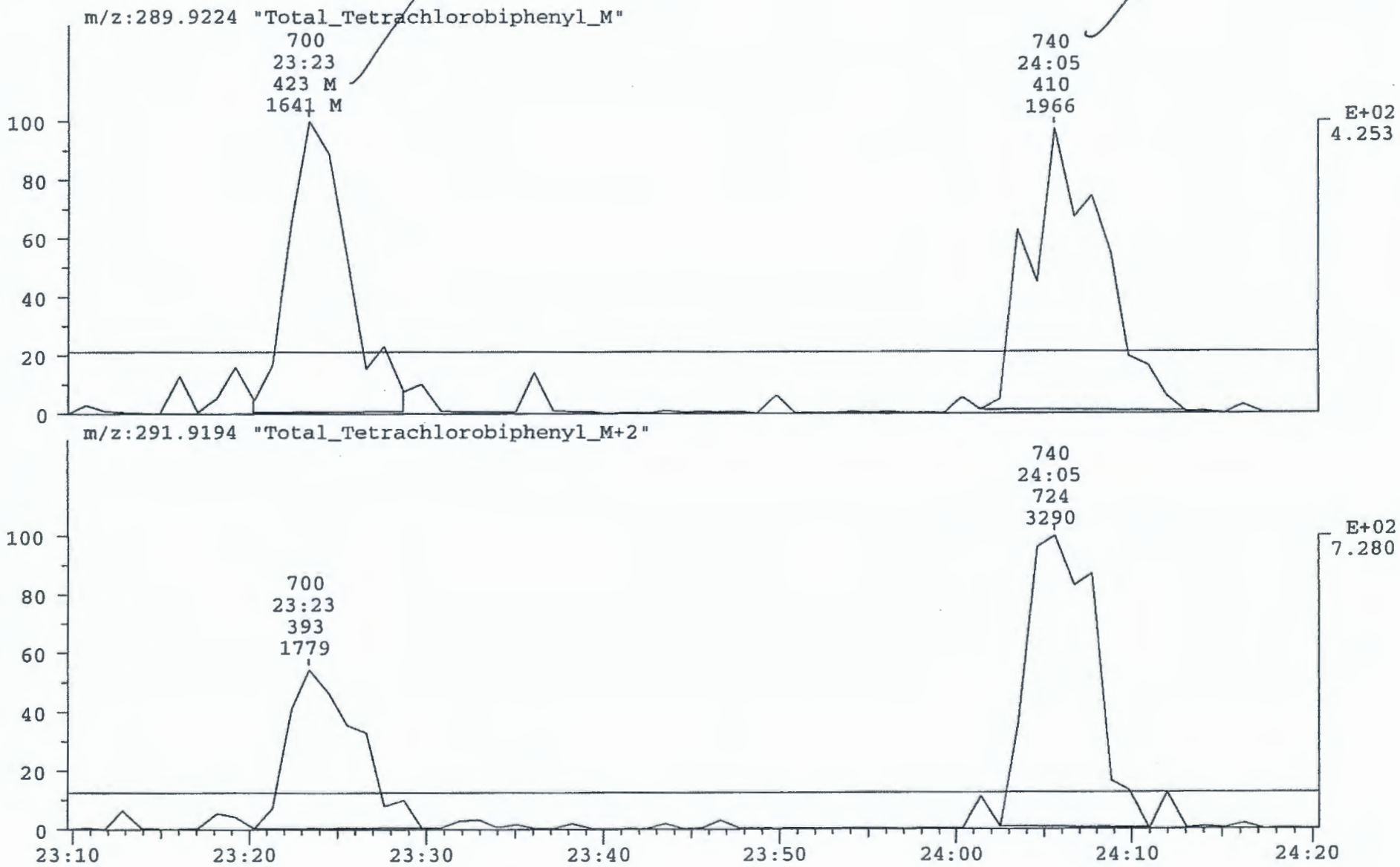
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  23:20.2      697
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC      Vial  13
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
```



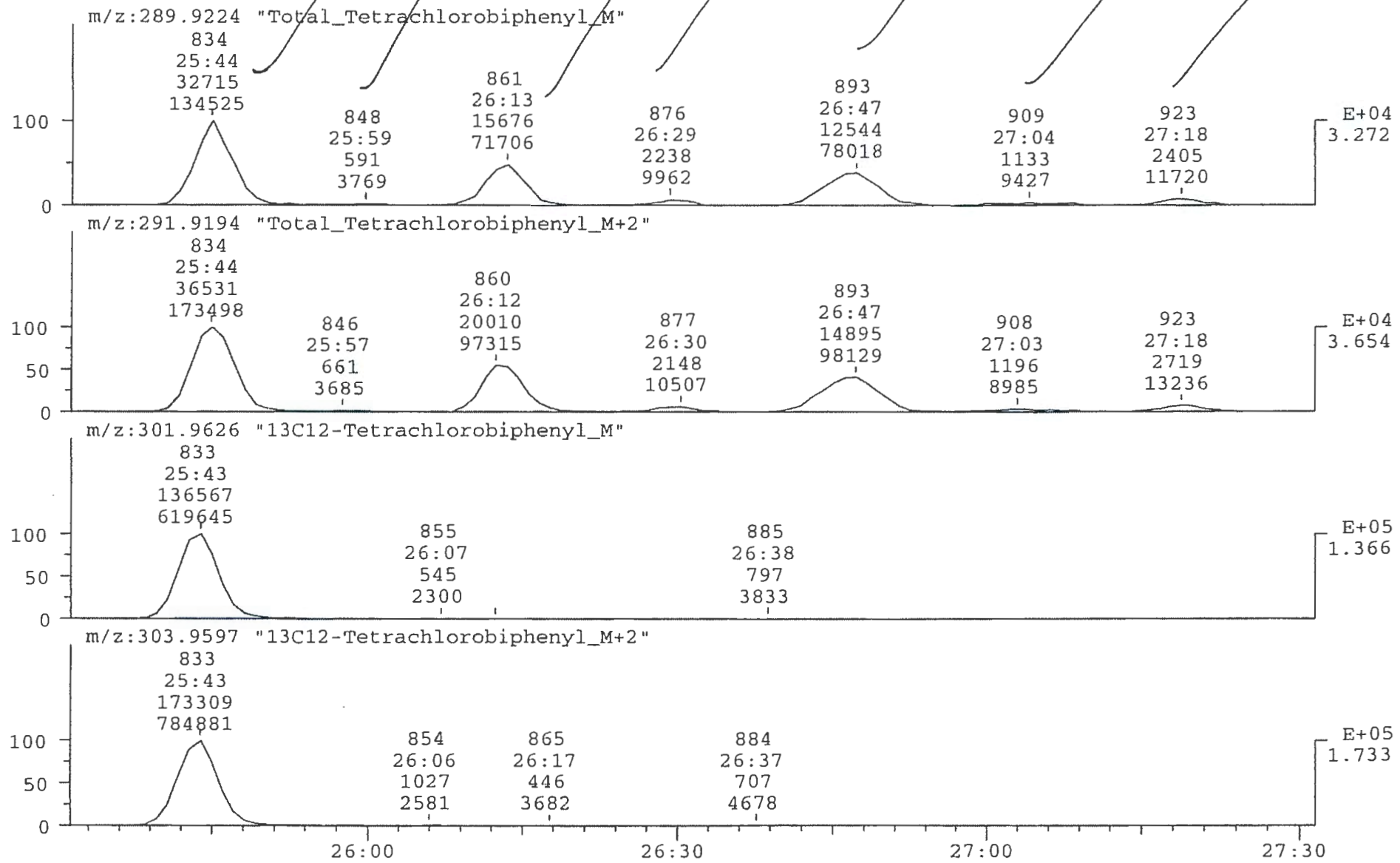
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  34:14      1317
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   1252 > 1392          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



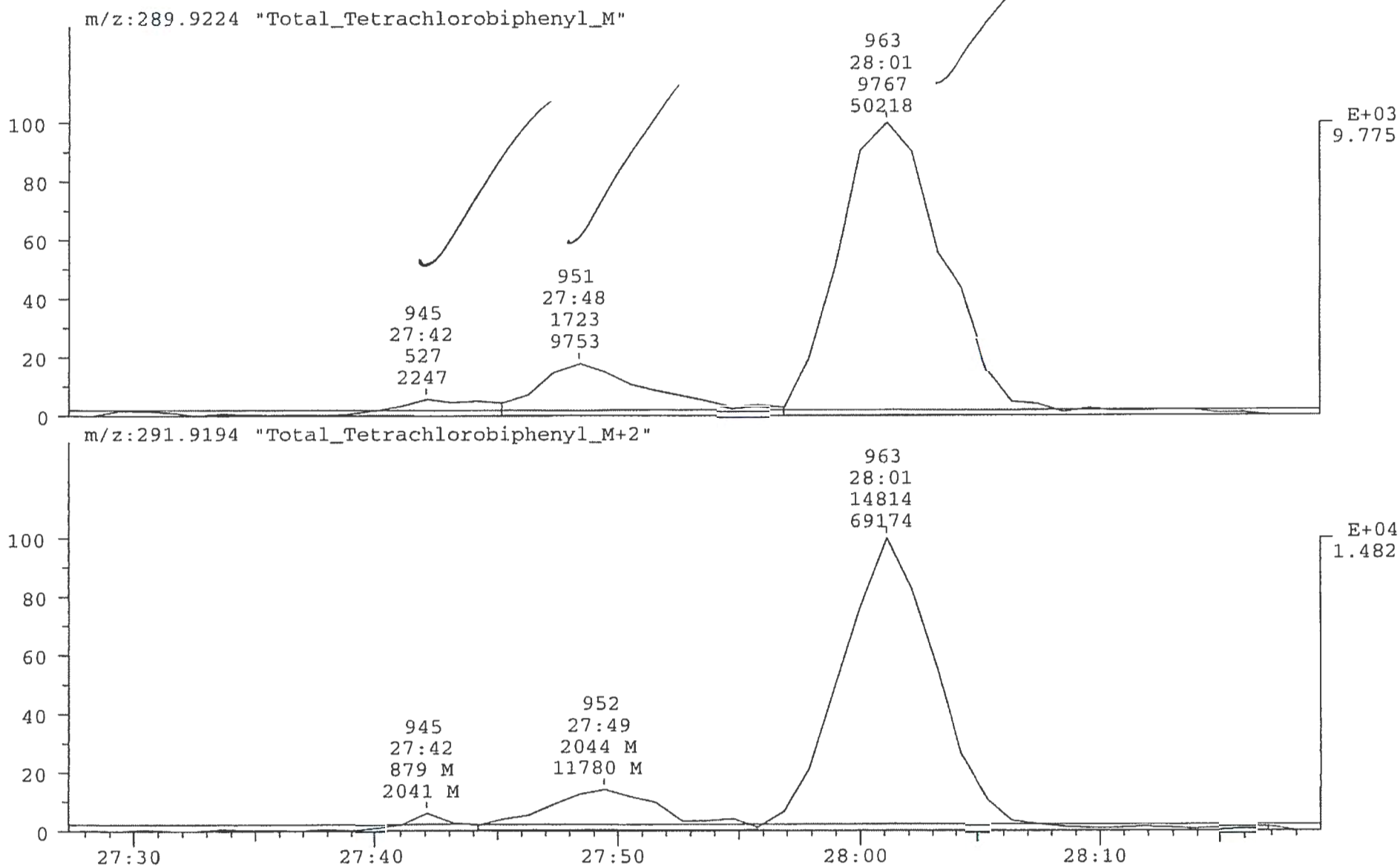
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   687 > 754            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



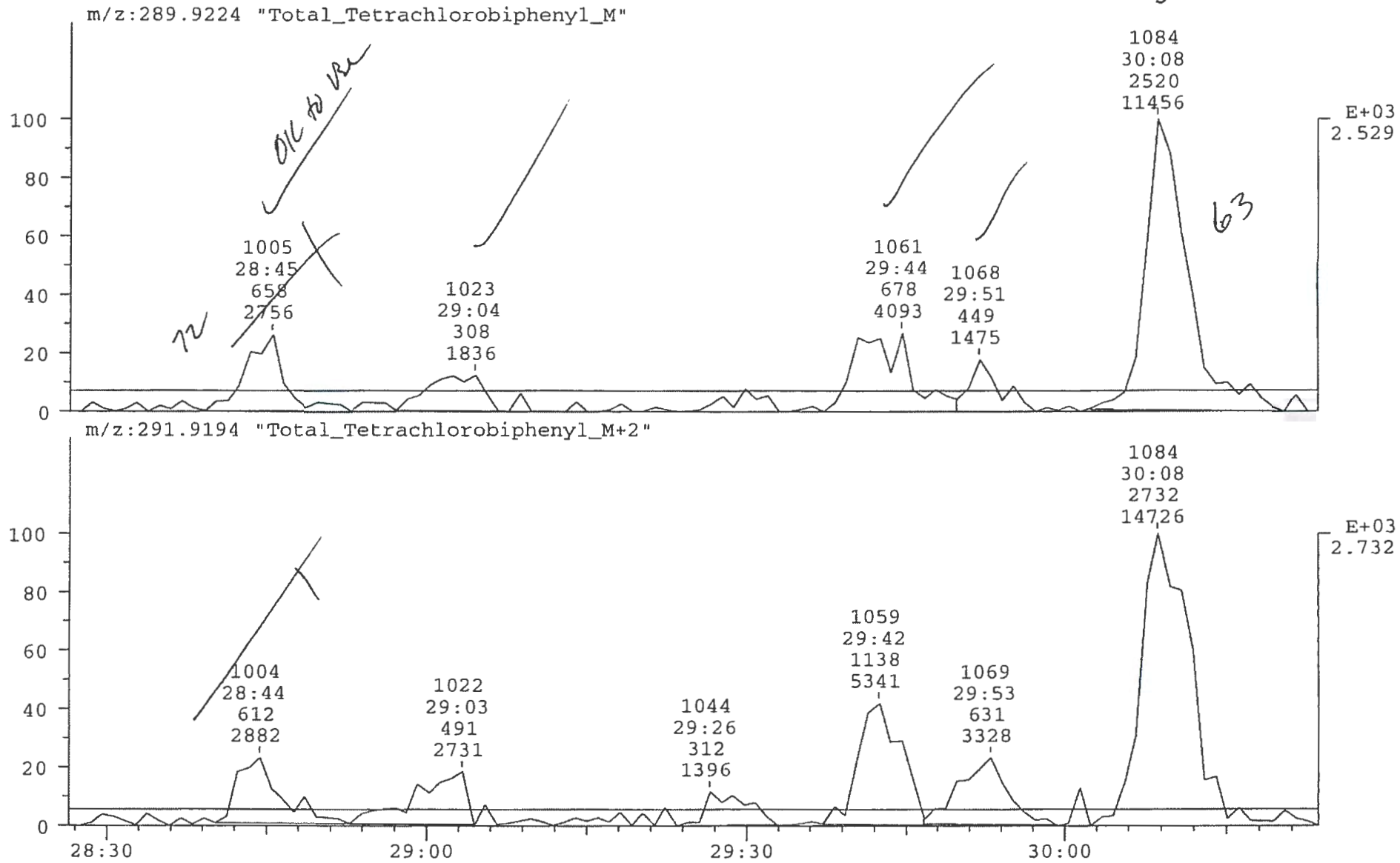
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 821 > 935 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 4 Label : -3, 3.0
Disp: Height Area



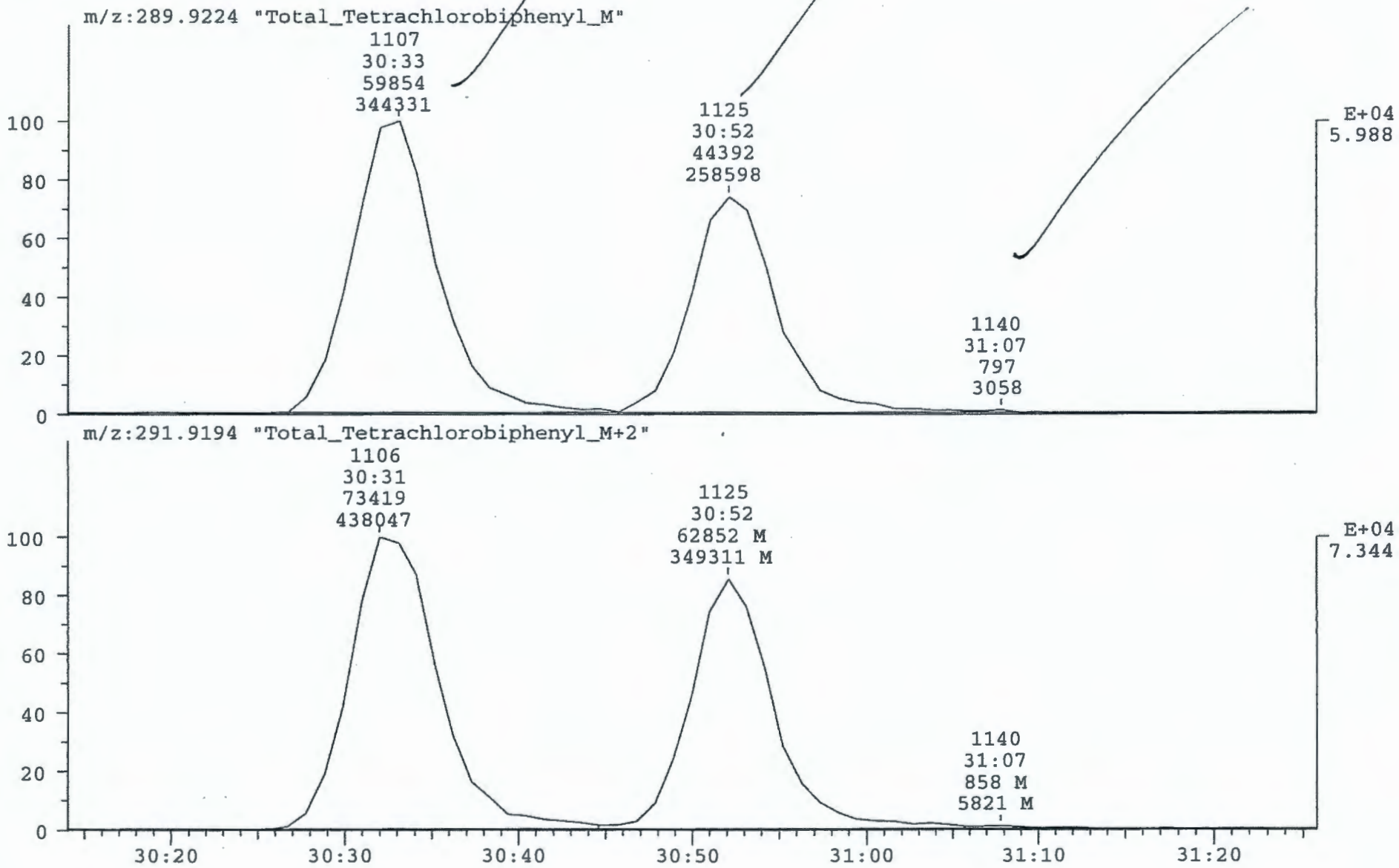
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 931 > 980 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



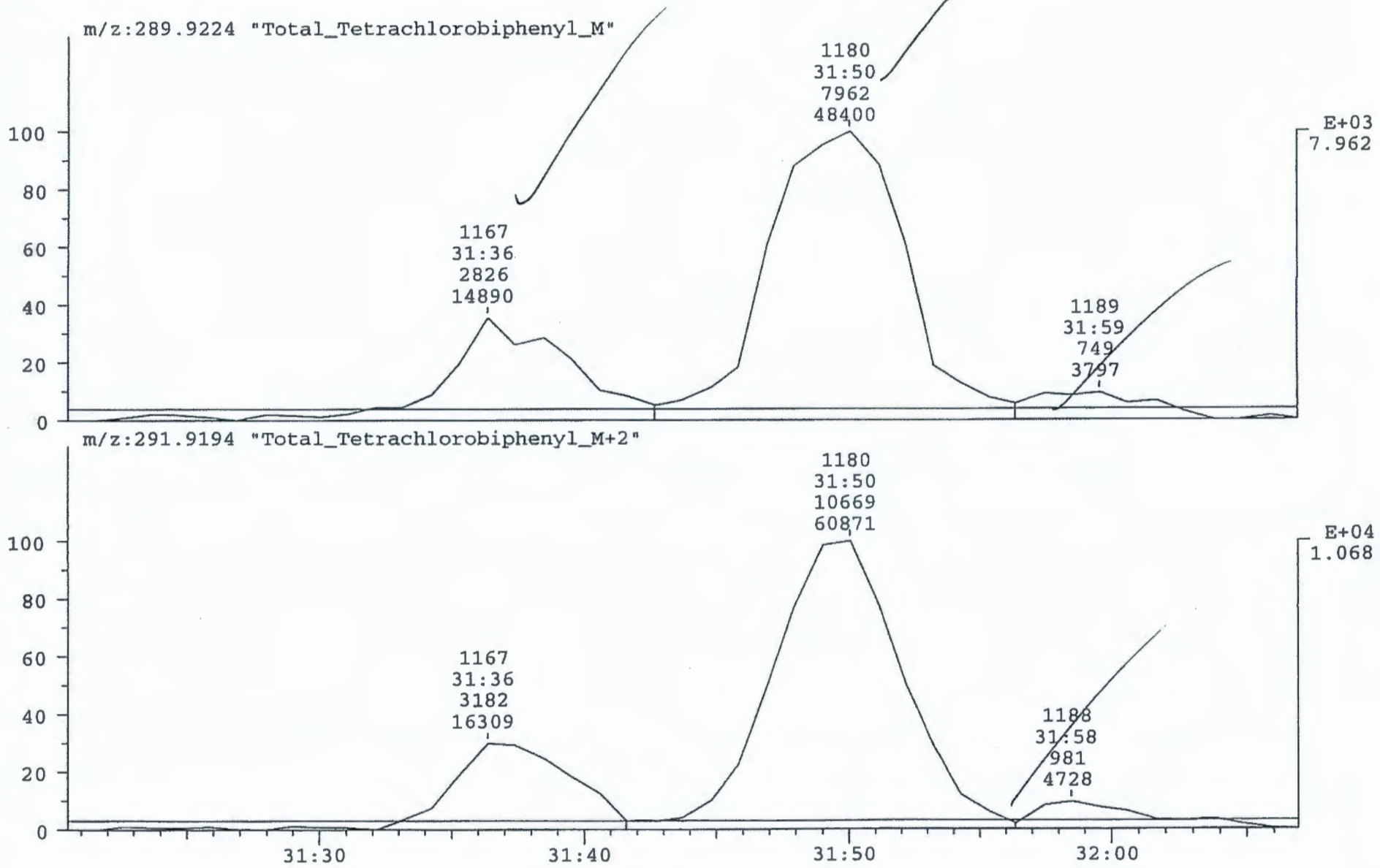
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 987 > 1098 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 4 Label : -3, 3.0
Disp: Height Area



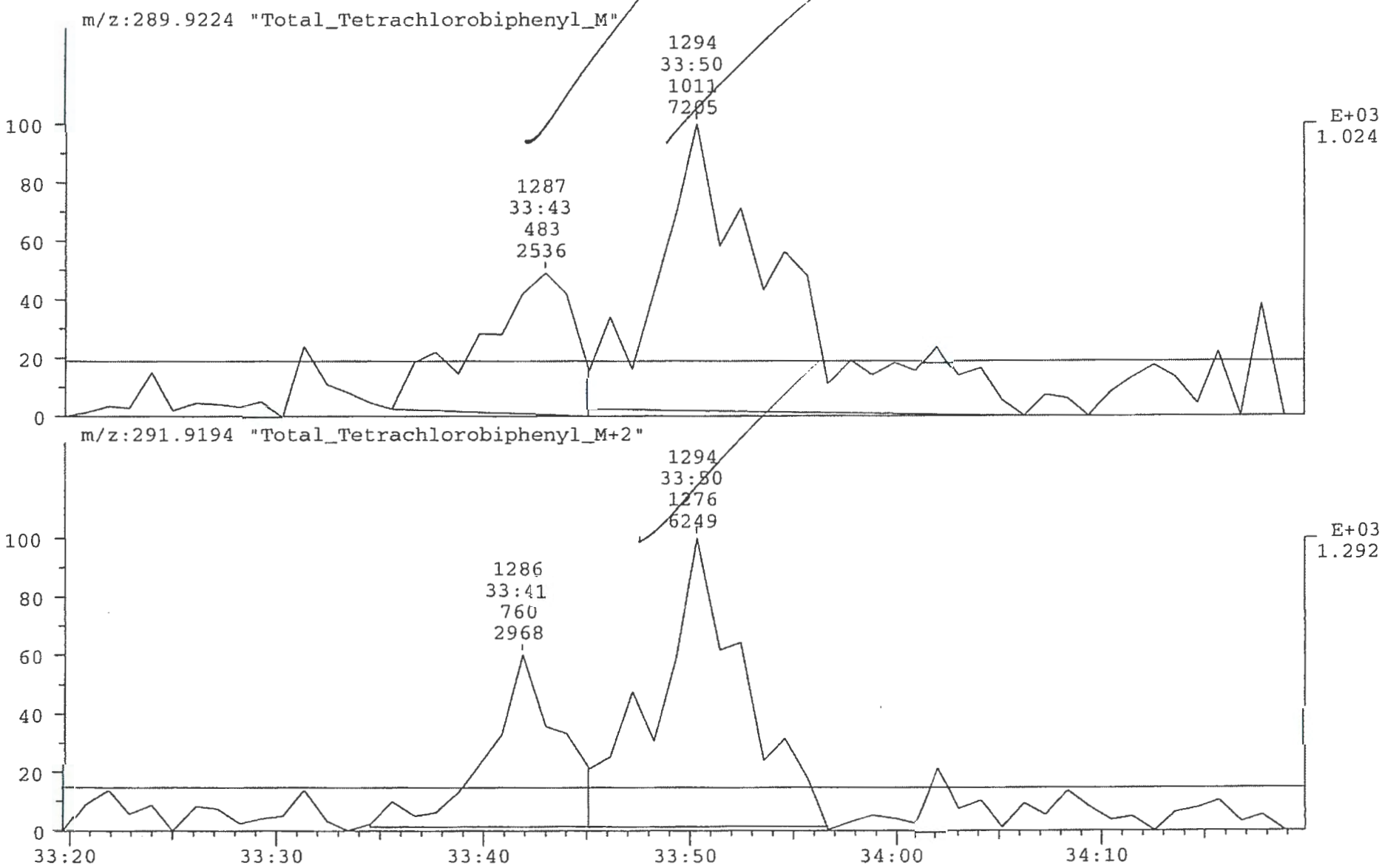
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial 13
Peak:  100.00  ppm      Label wndw:   1089 > 1157          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



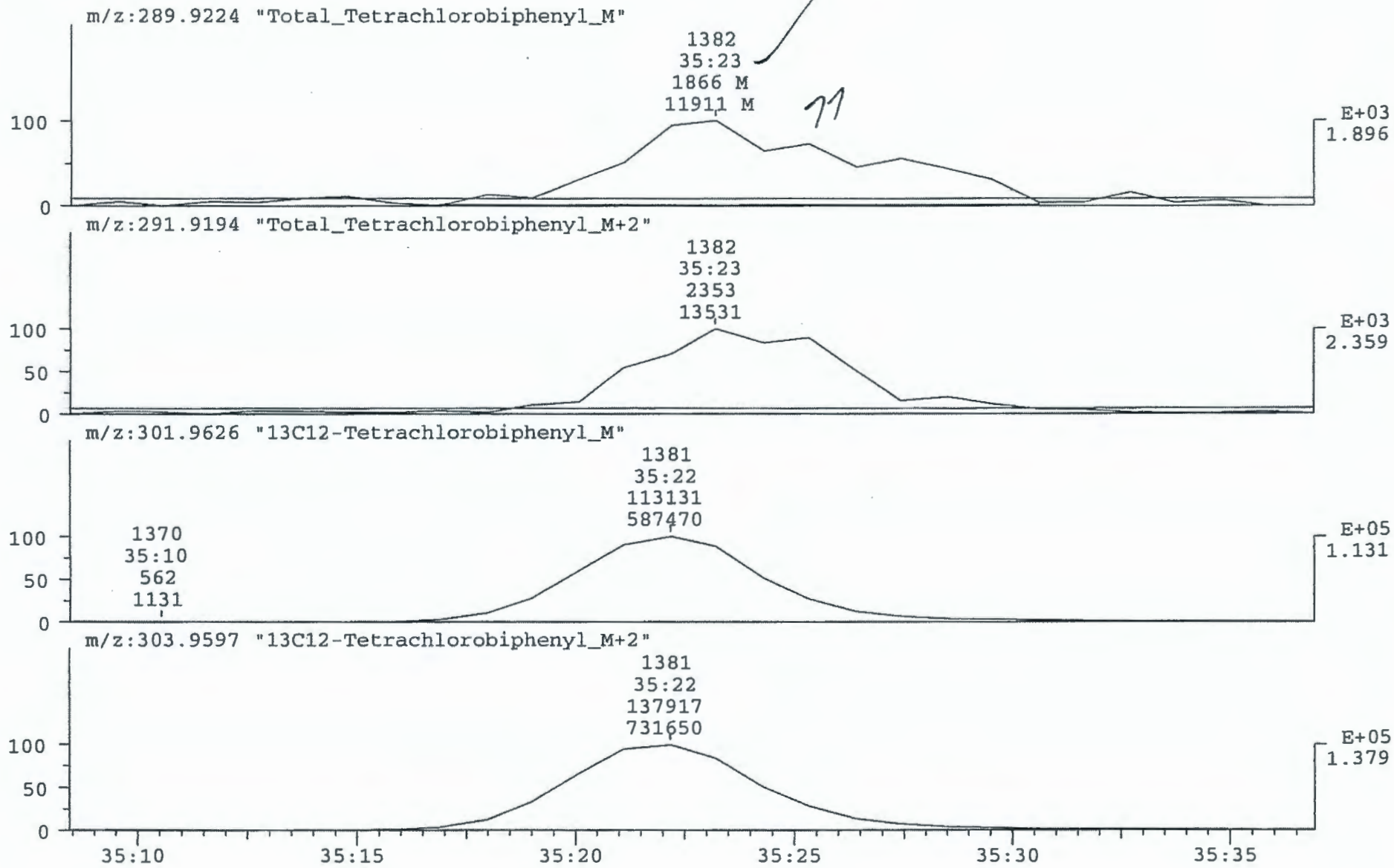
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial 13
Peak:  100.00  ppm      Label wndw:   1152 > 1196          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



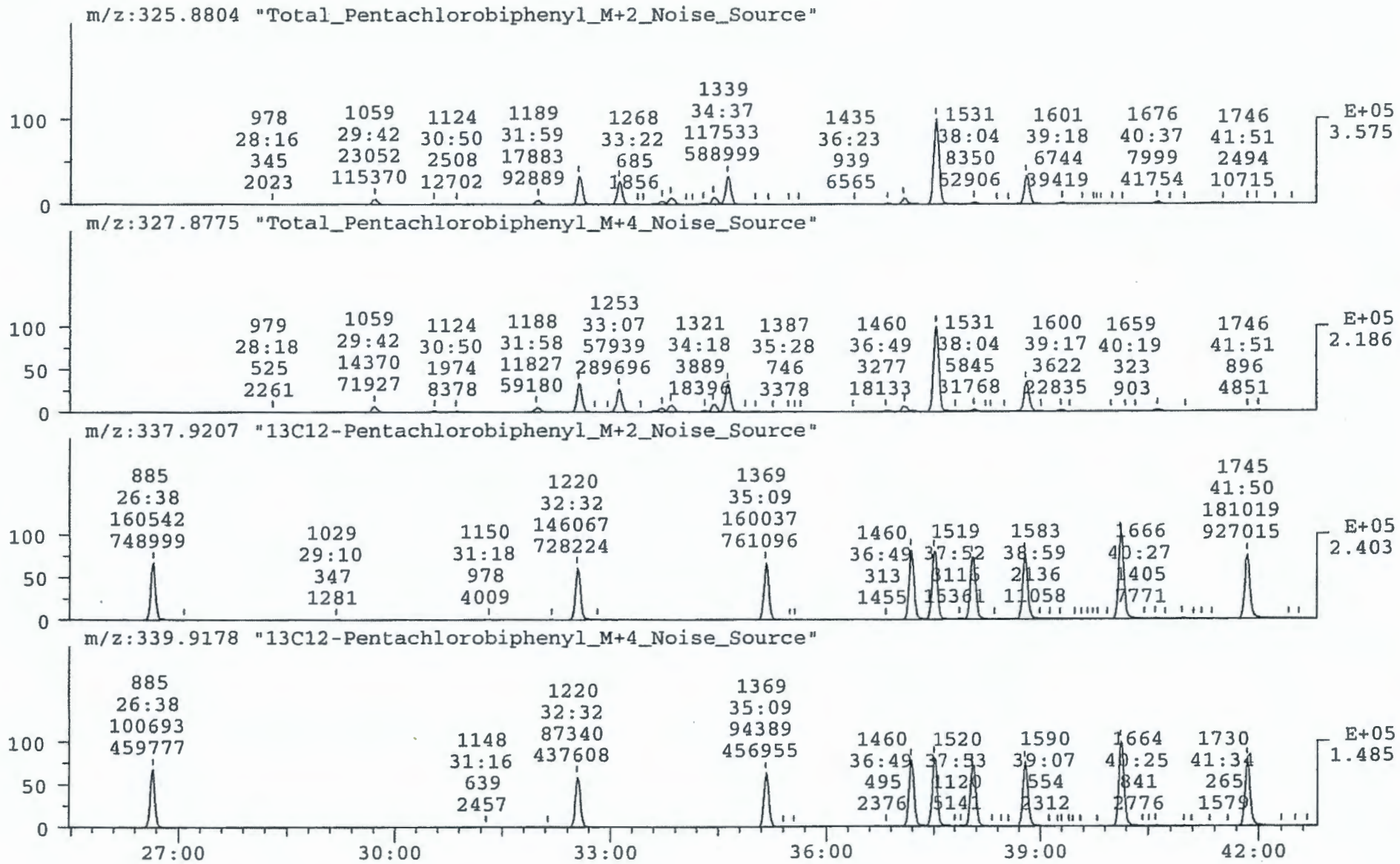
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1265 > 1322 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



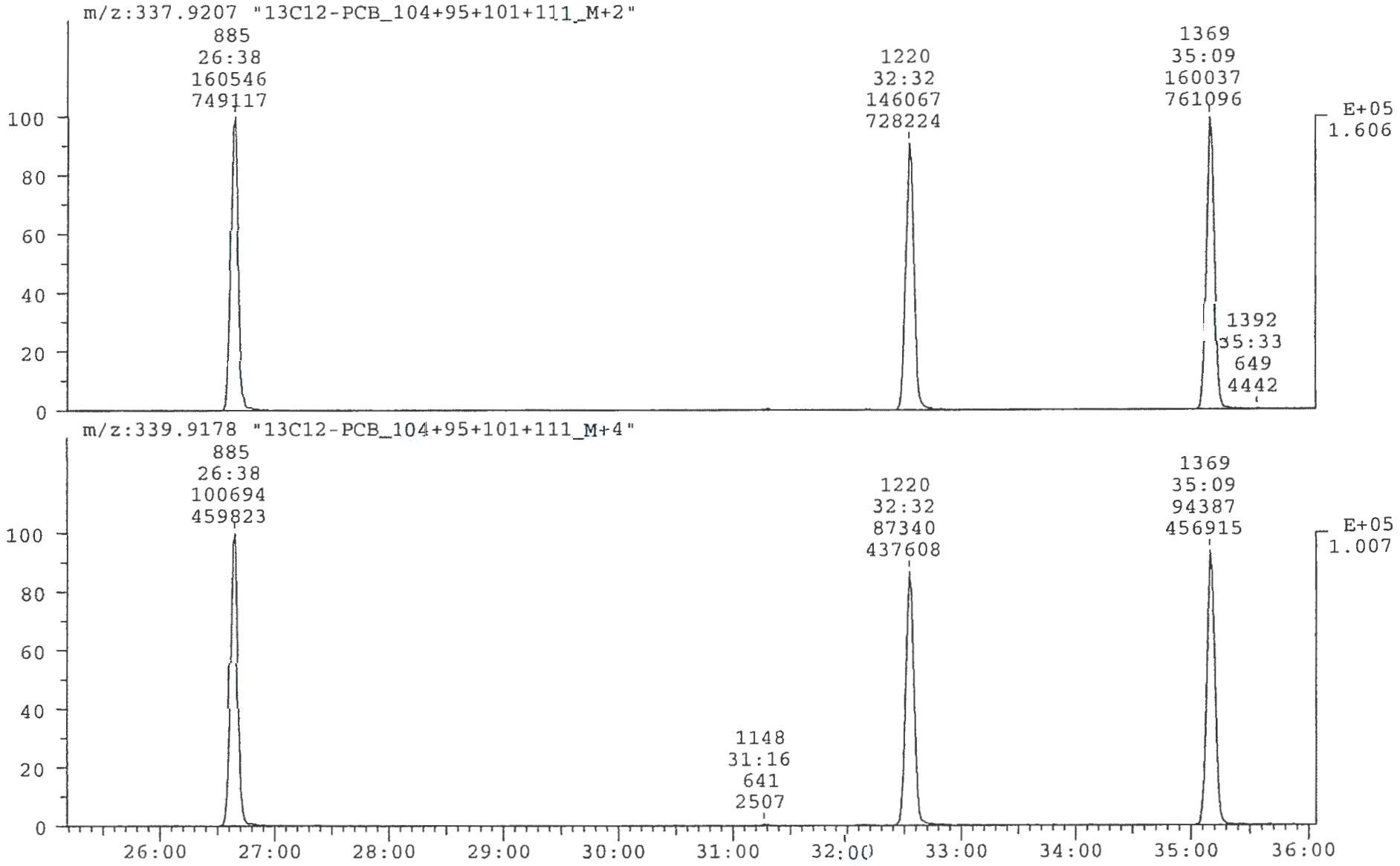
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   1368 > 1395          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



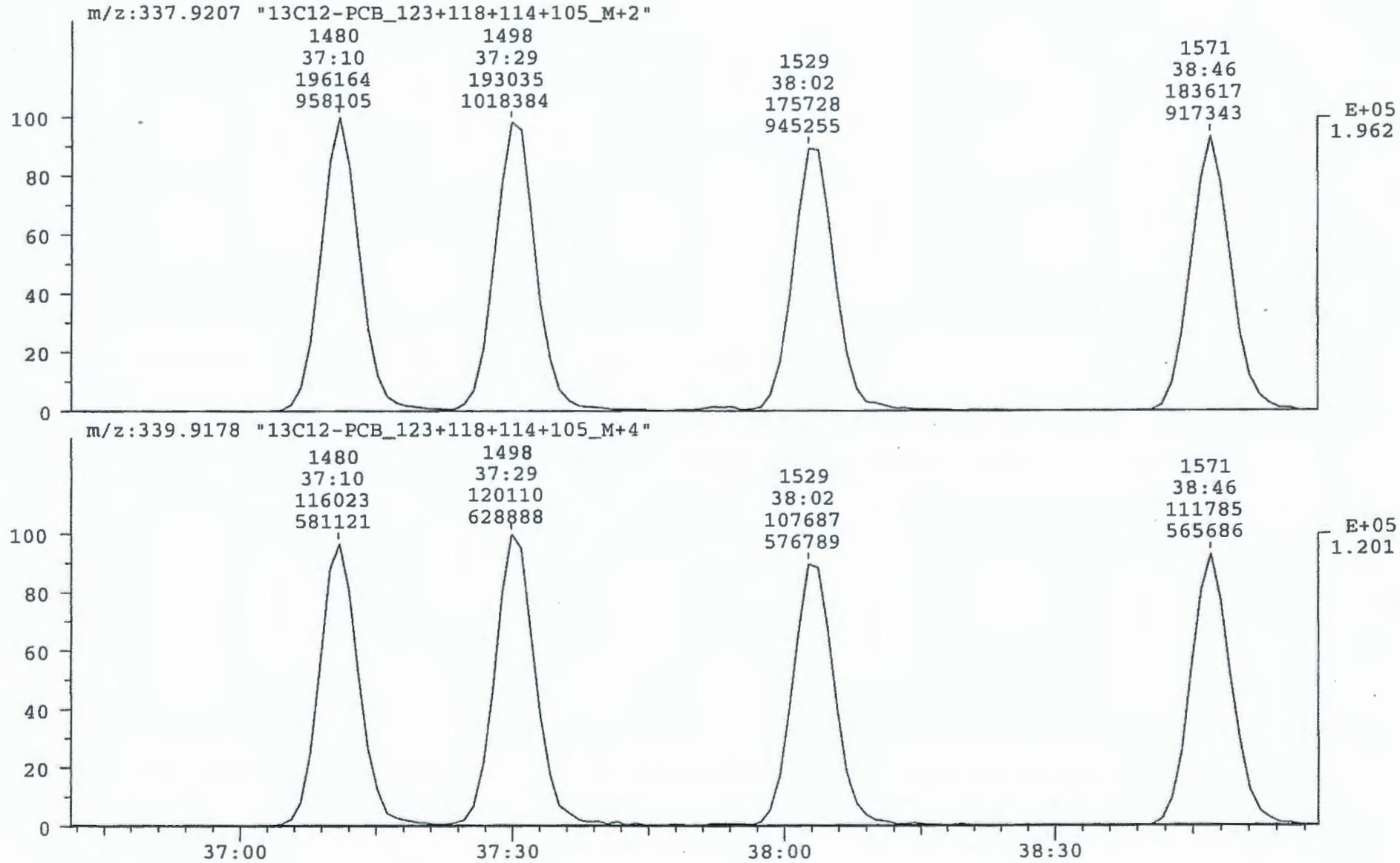
CHRO: apj7v9mx 12-Oct-07 Elapse: 34:08 1311
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 818 > 1799 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



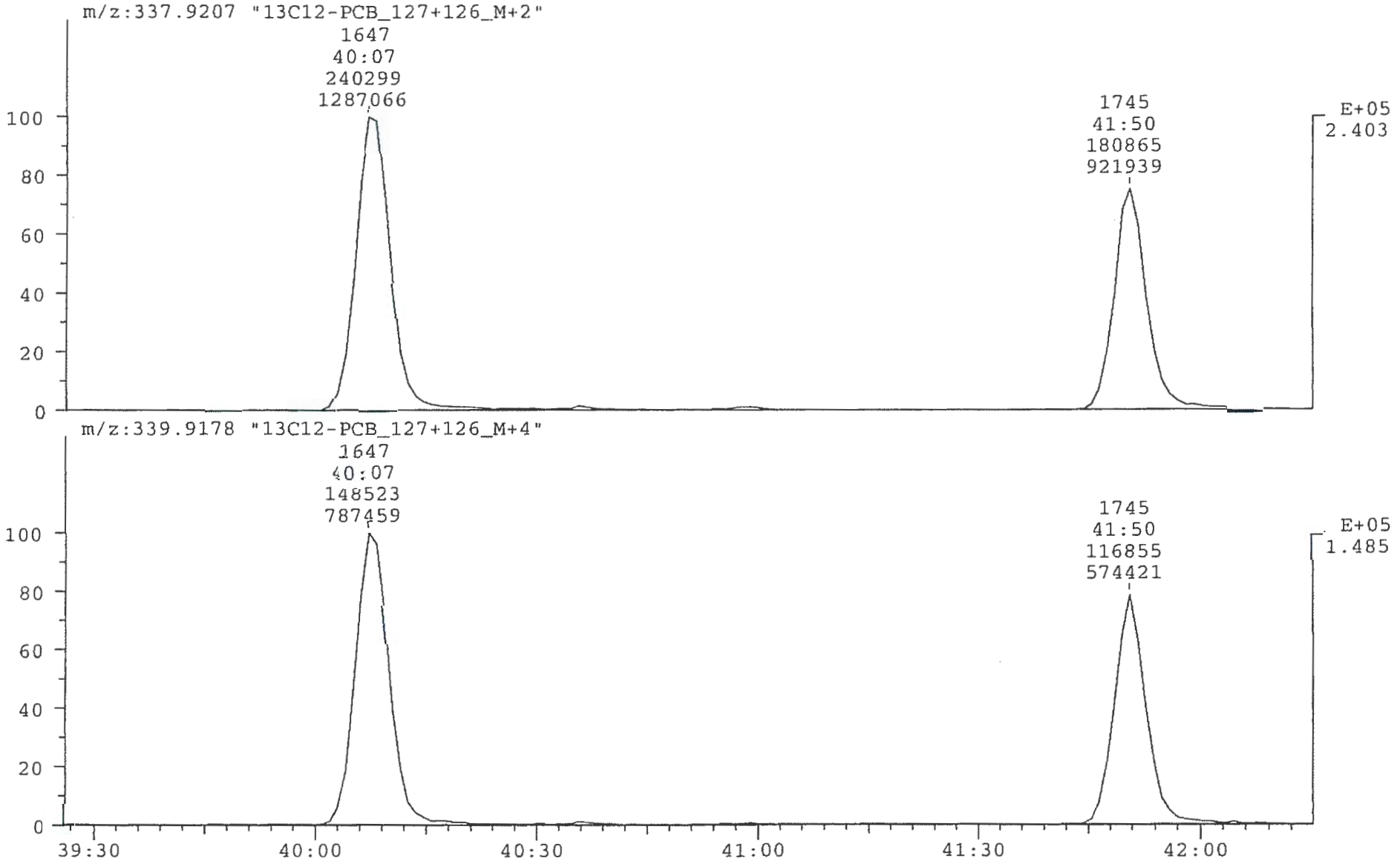
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  30:37      1111
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   802 > 1421           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



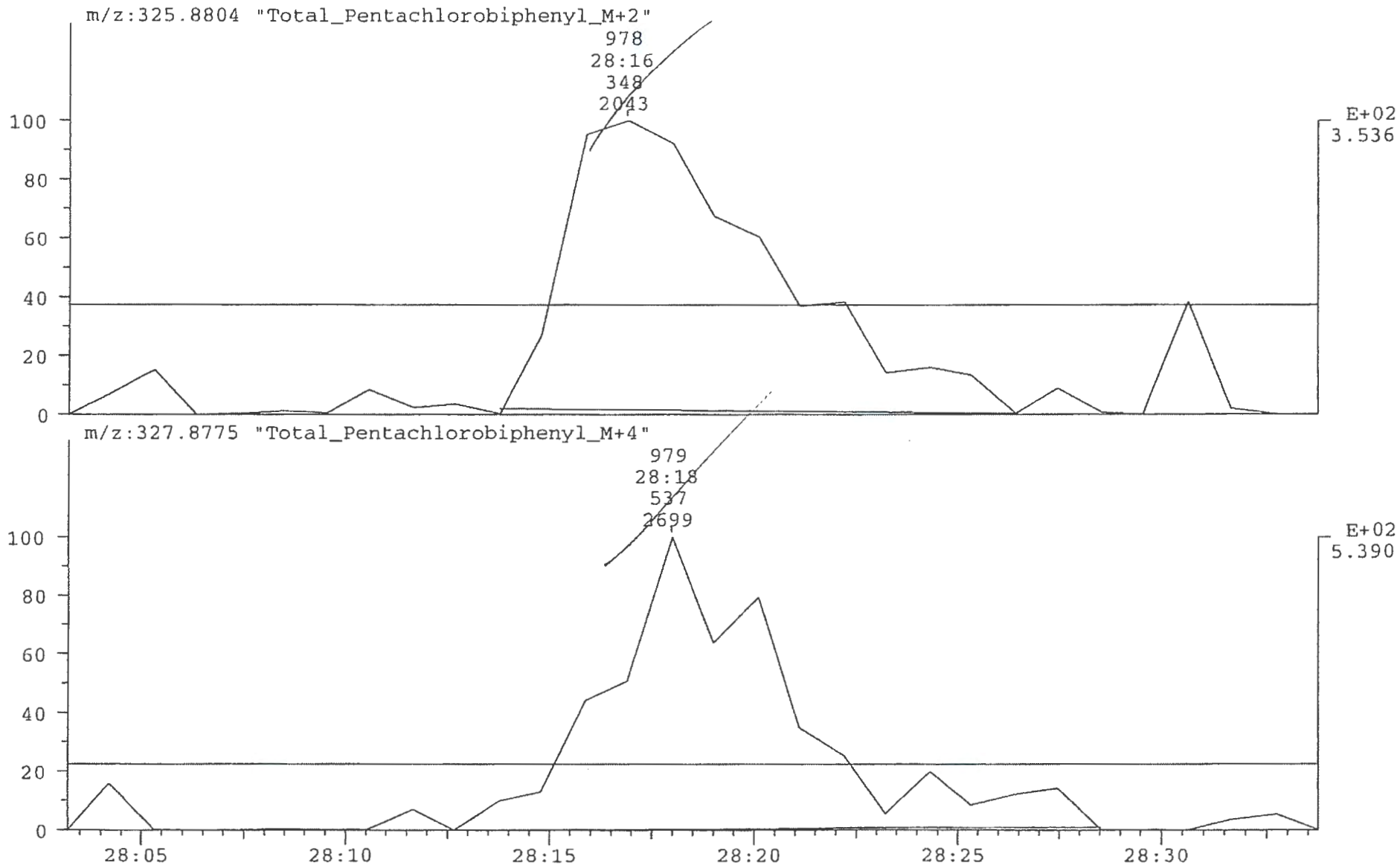
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  37:49      1517
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial 13
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
```



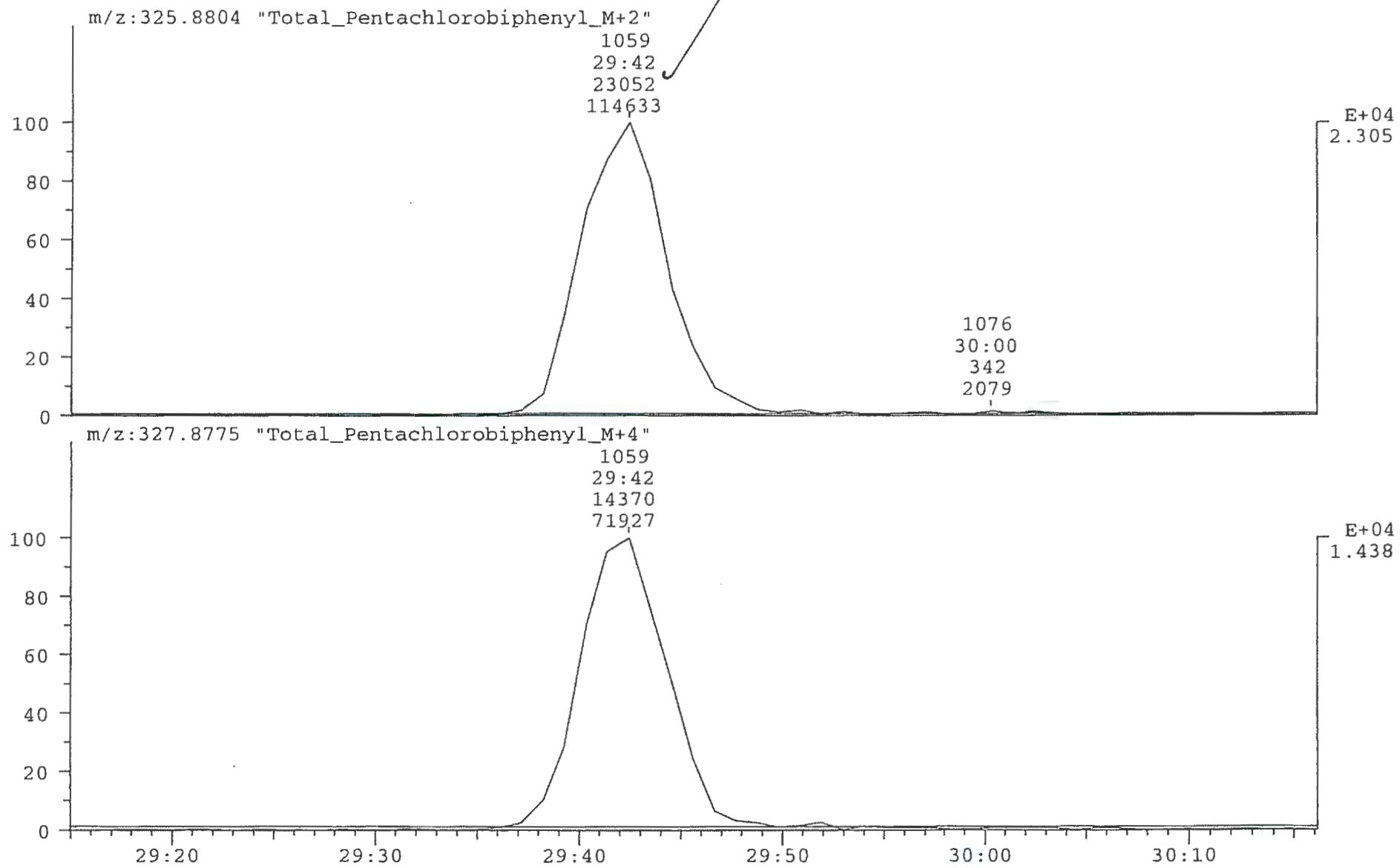
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:50      1688
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial 13
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
```



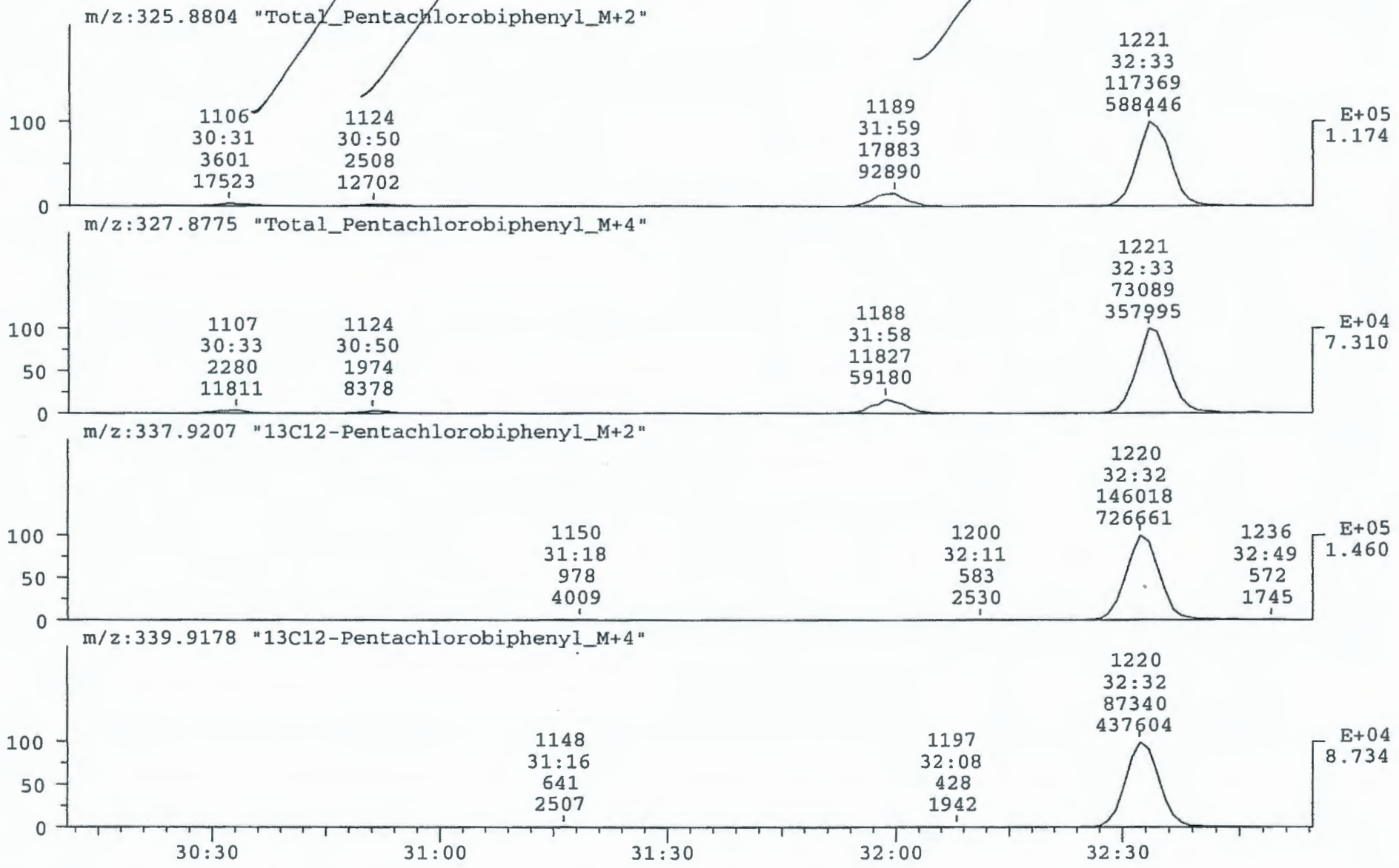
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   965 > 994            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



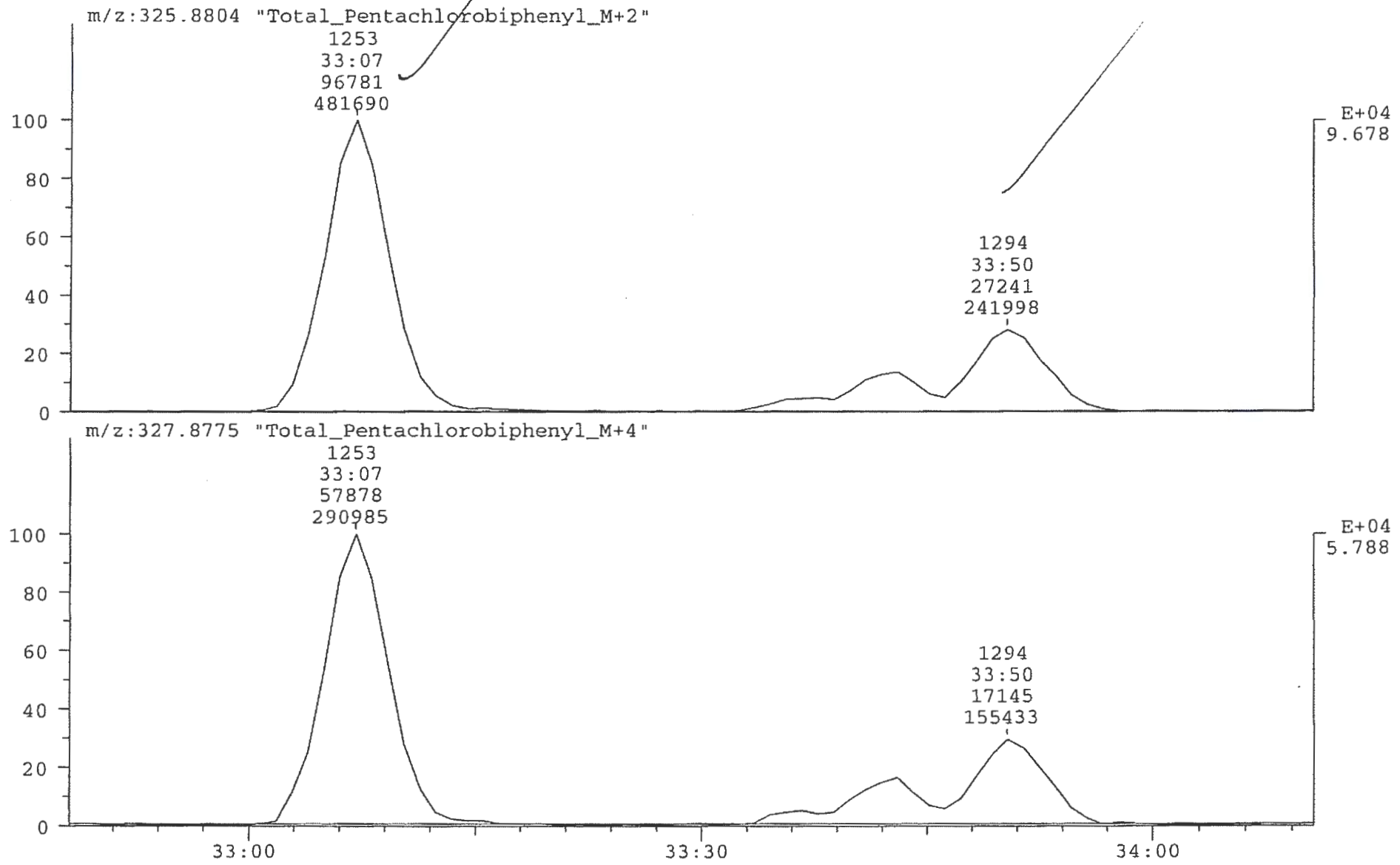
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   1033 > 1091          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



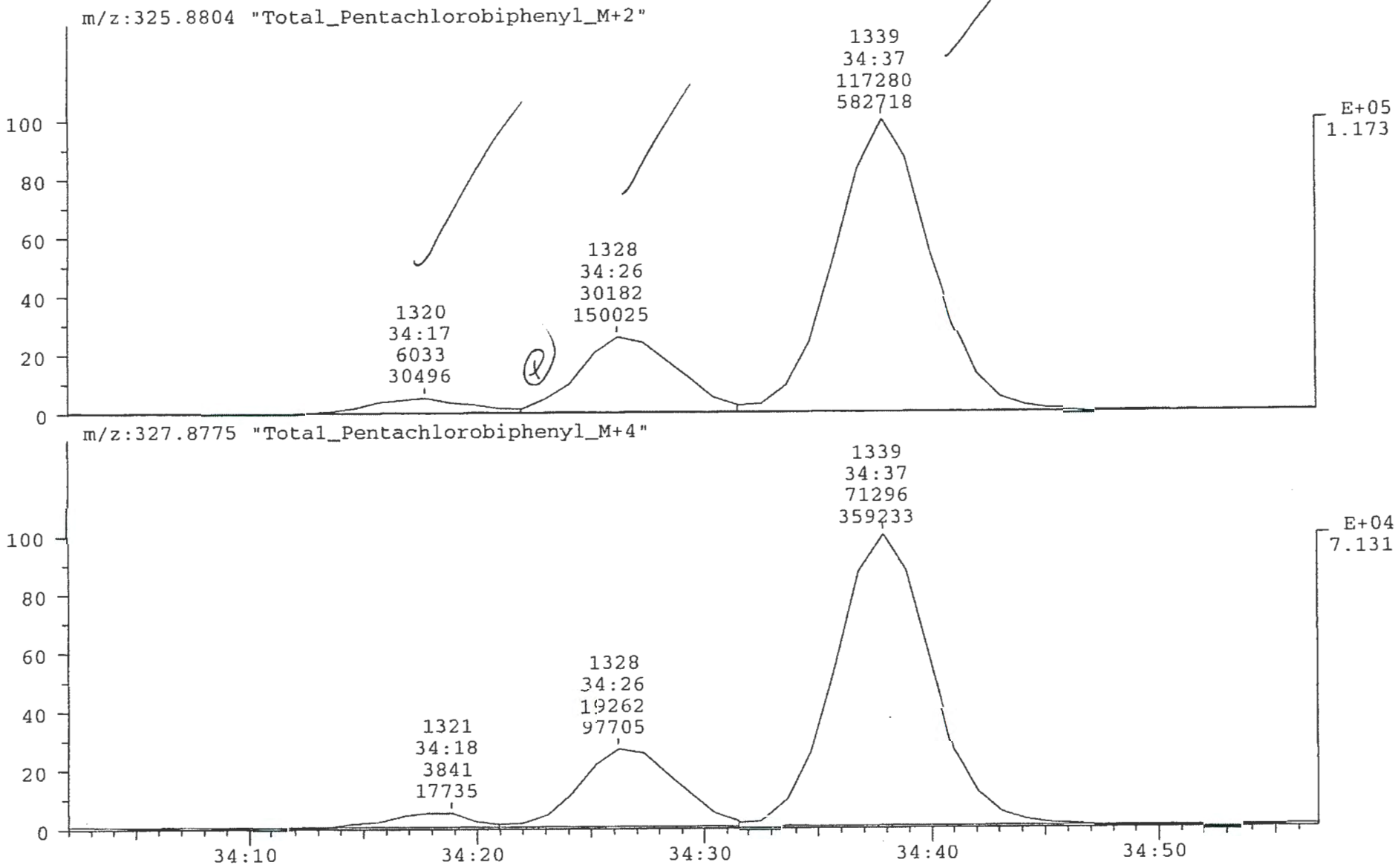
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1086 > 1241 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



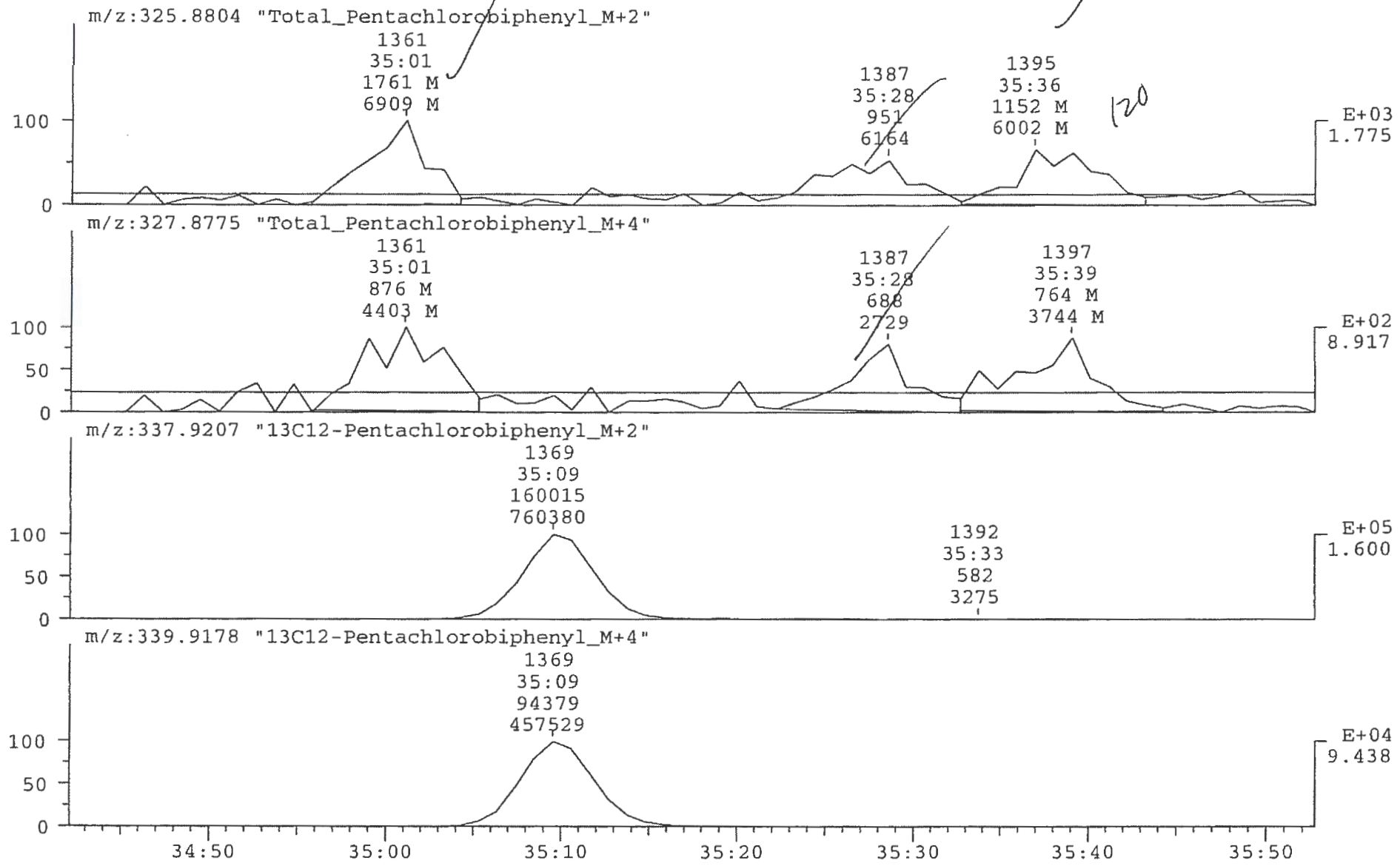
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   1235 > 1313          Masses:  181 > 510
Area:  5, 0.00, 0       Baseline  :   100, 7               Label :  -3, 3.0
Disp:  Height  Area
```



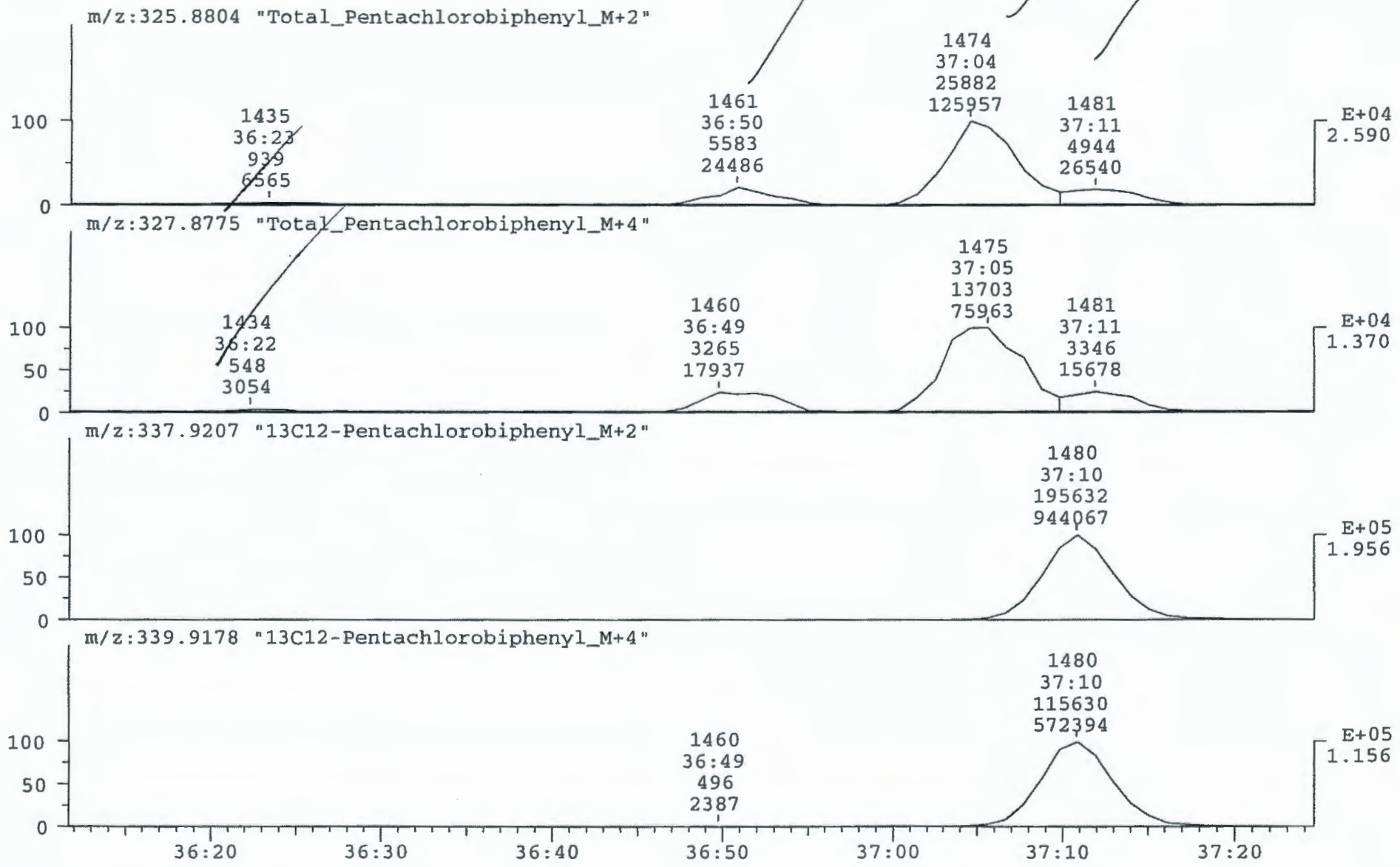
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1305 > 1357 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



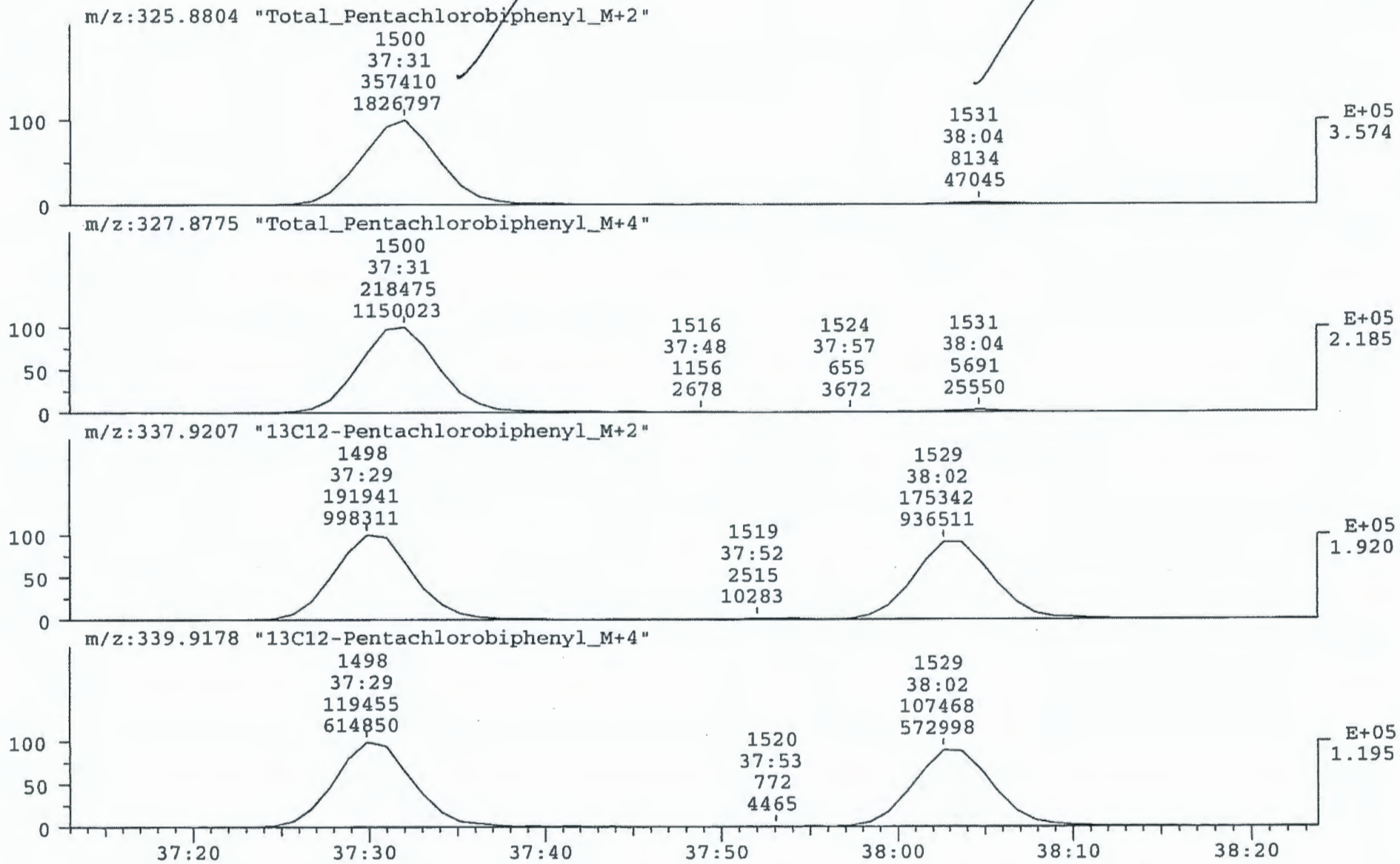
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1343 > 1410 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 4 Label : -3, 3.0
Disp: Height Area



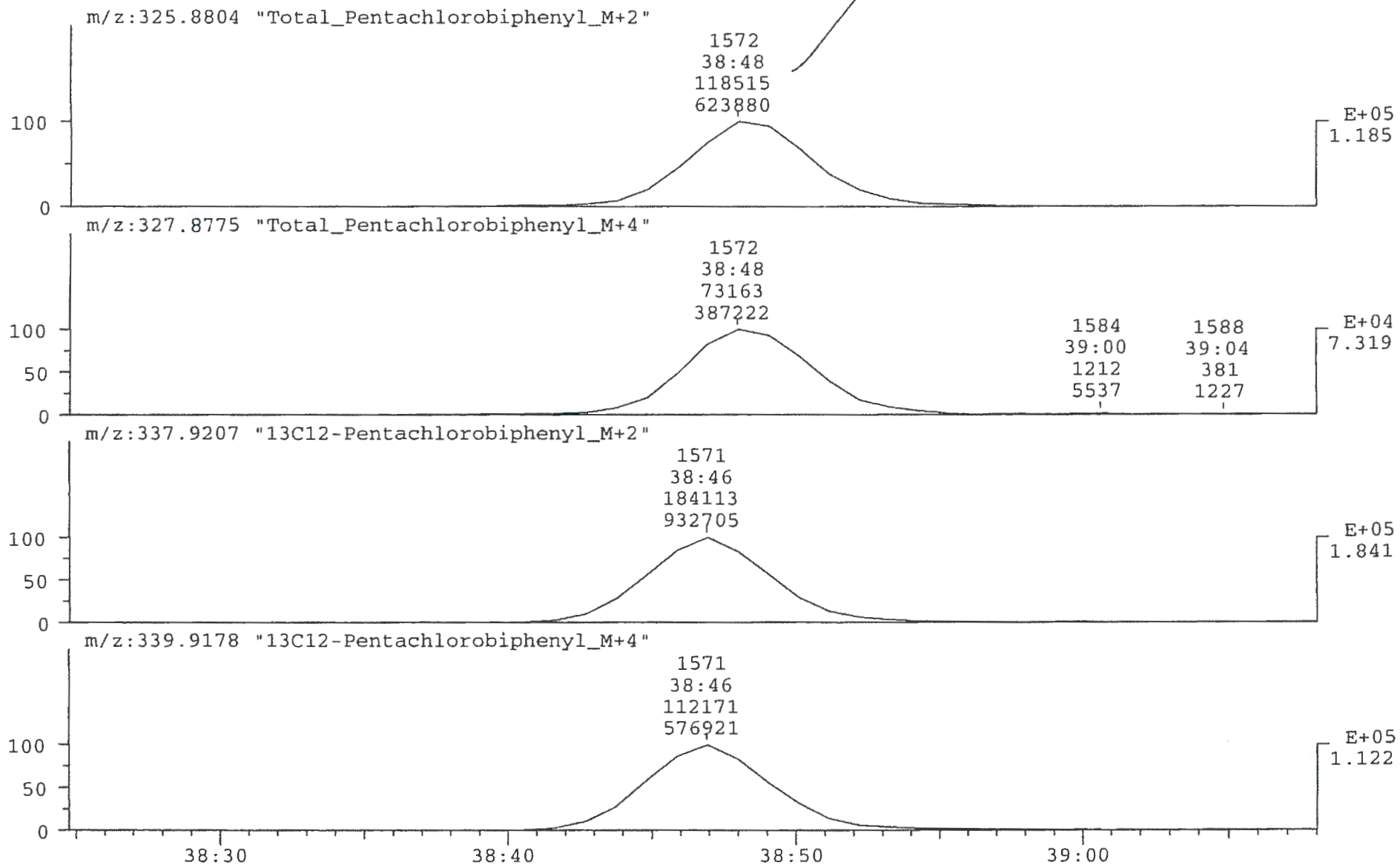
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1424 > 1493 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 2 Label : -3, 3.0
Disp: Height Area



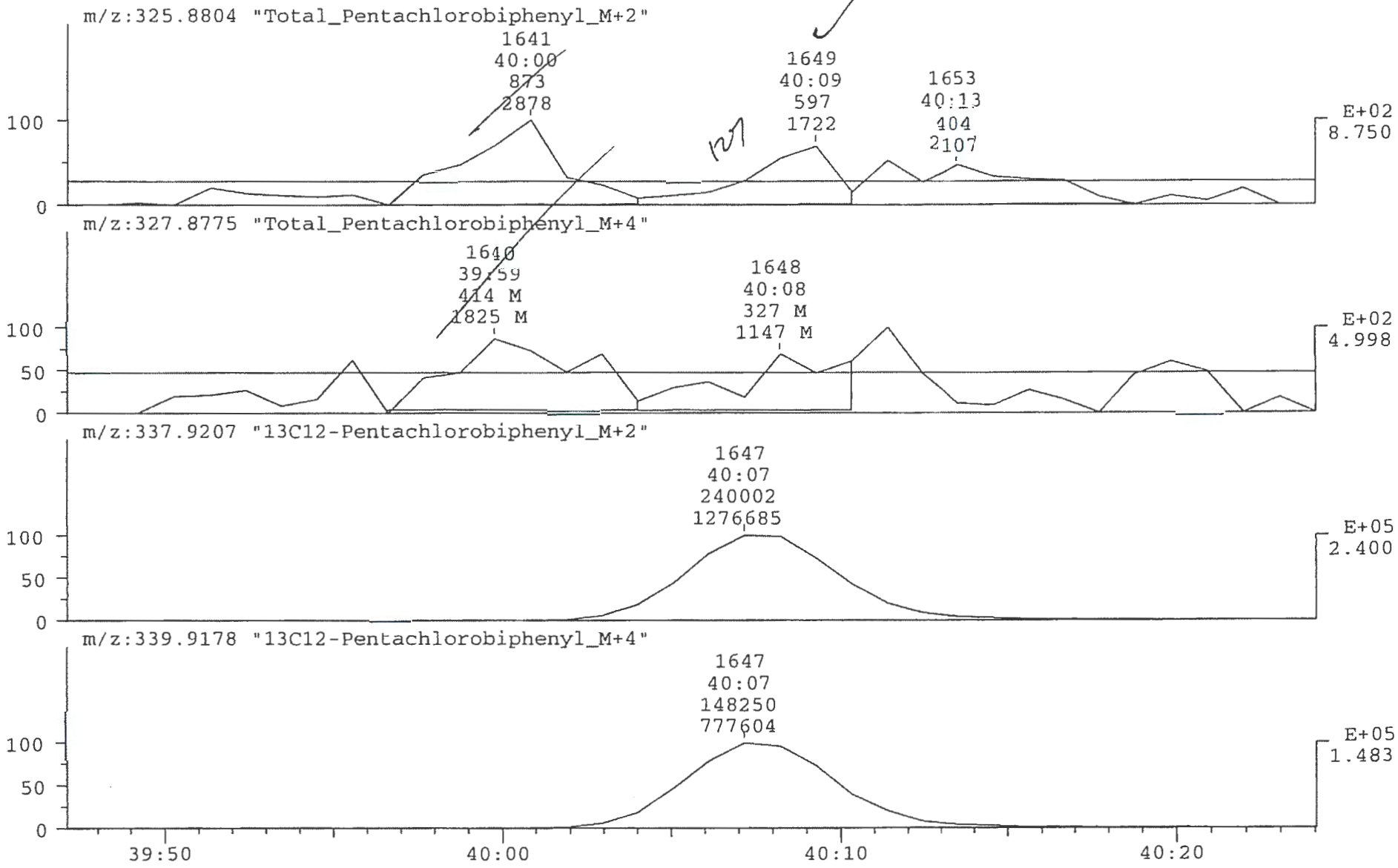
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1482 > 1549 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



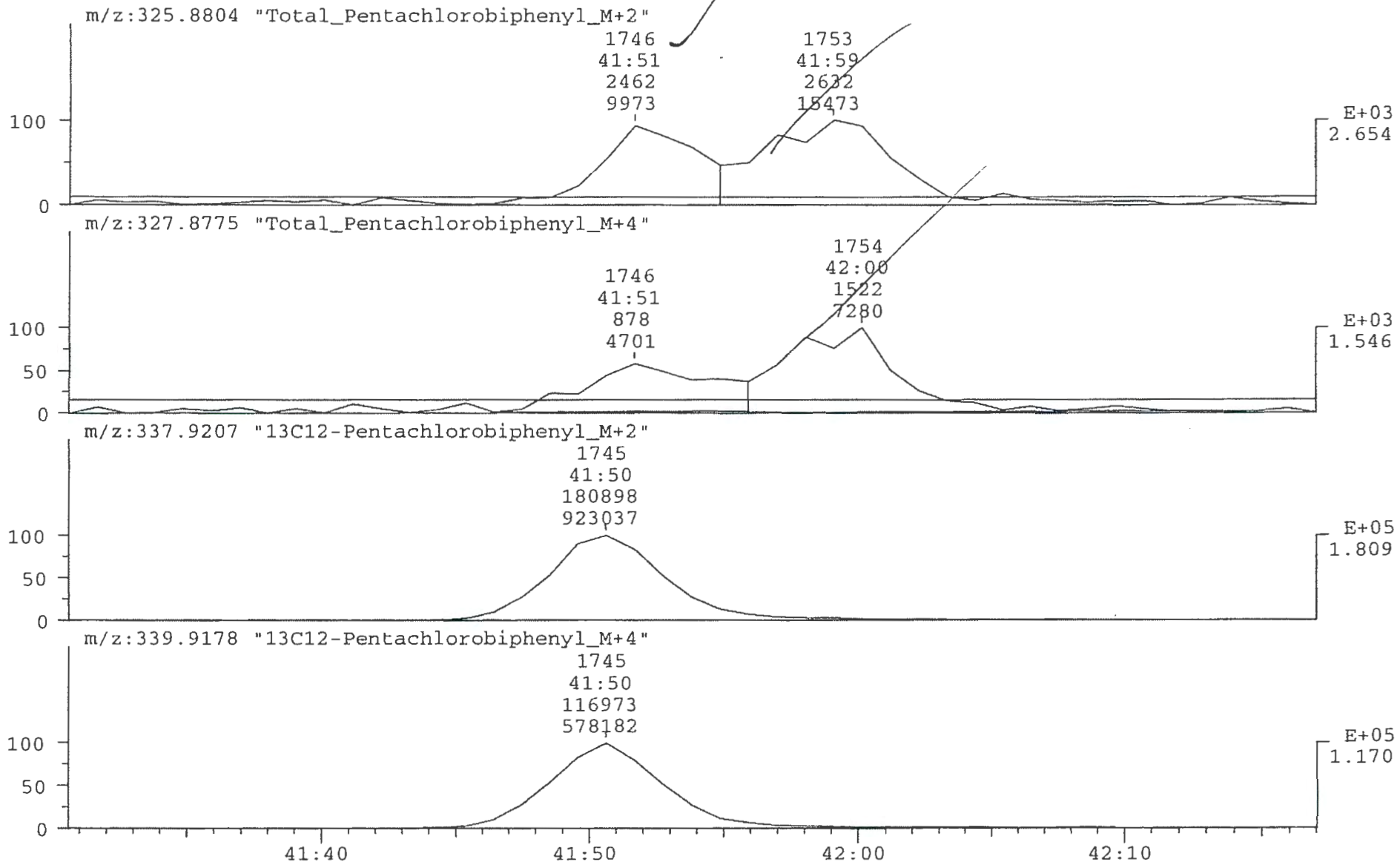
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial 13
Peak:  100.00  ppm      Label wndw:   1550 > 1591          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



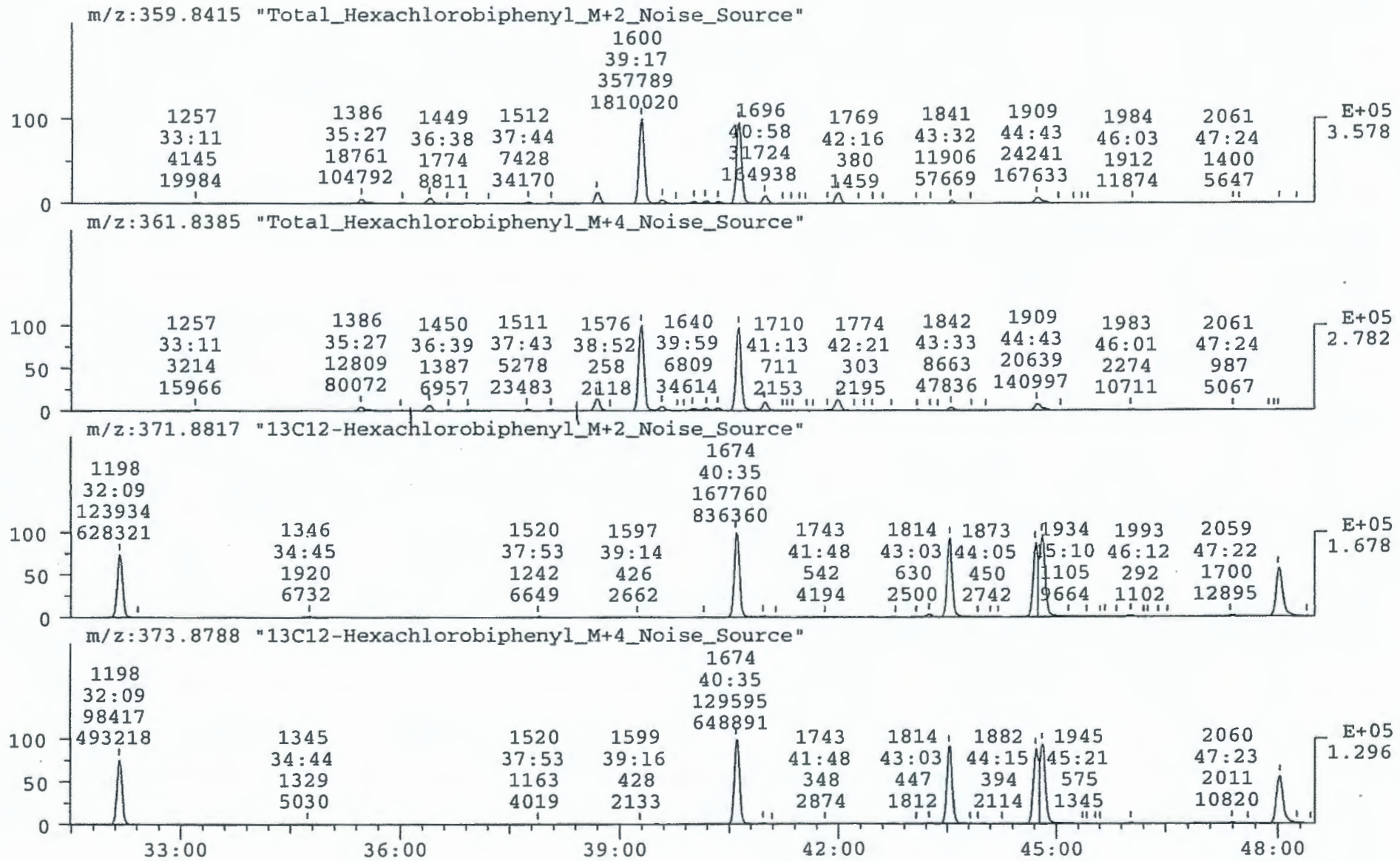
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1628 > 1663 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



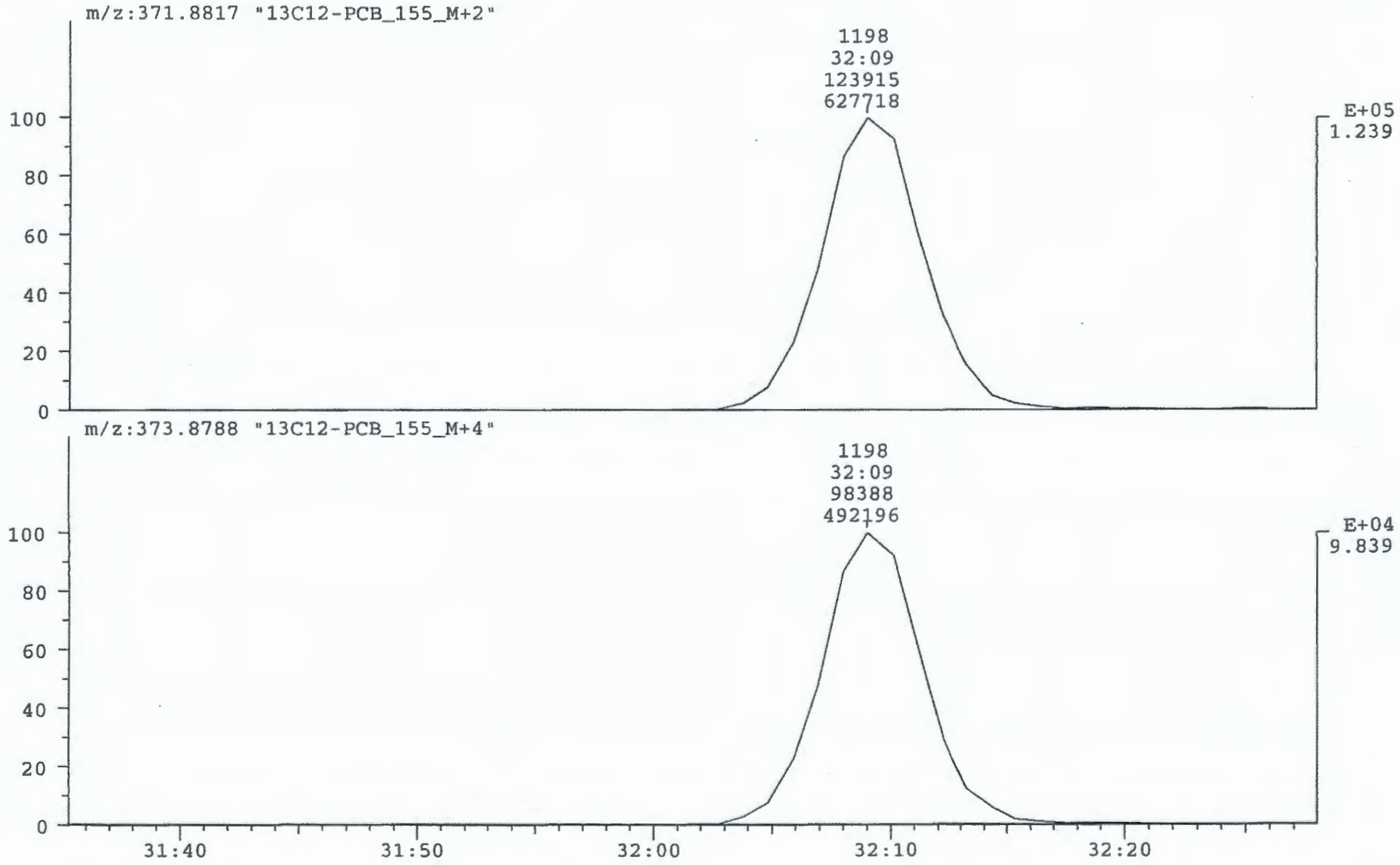
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   1726 > 1770          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



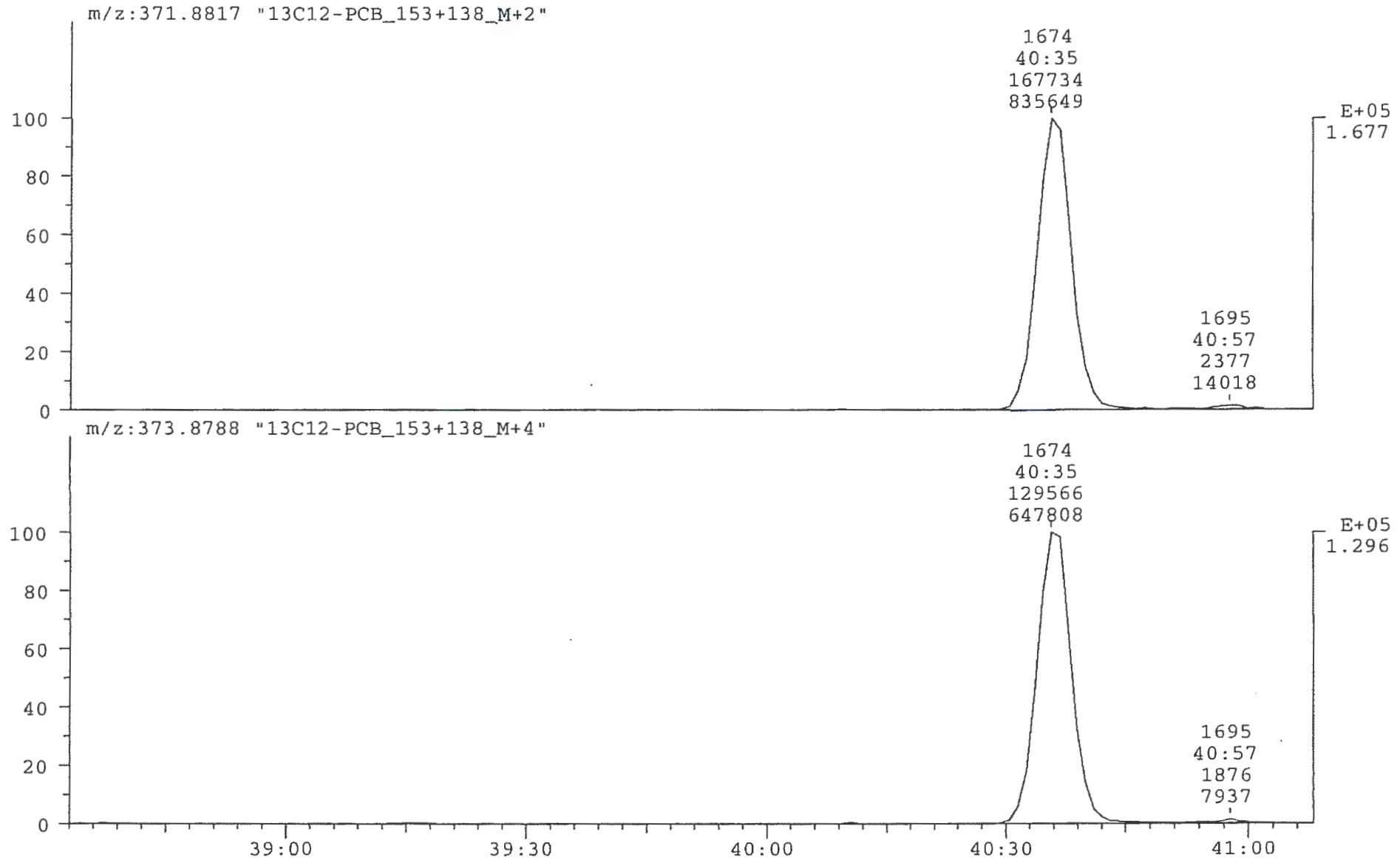
CHRO: apj7v9mx 12-Oct-07 Elapse: 39:58 1639
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1160 > 2123 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



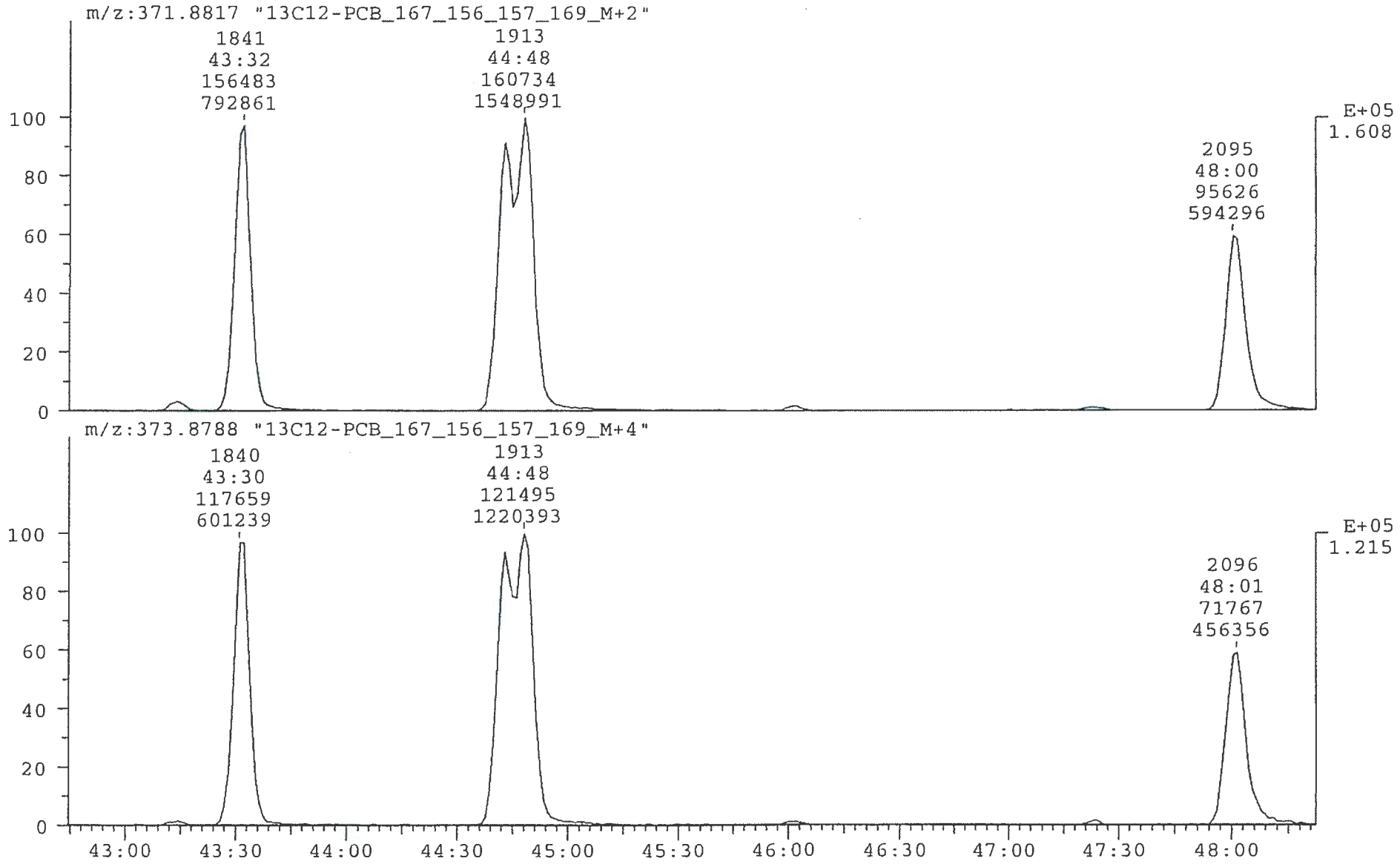
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  32:01      1191
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial 13
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
```



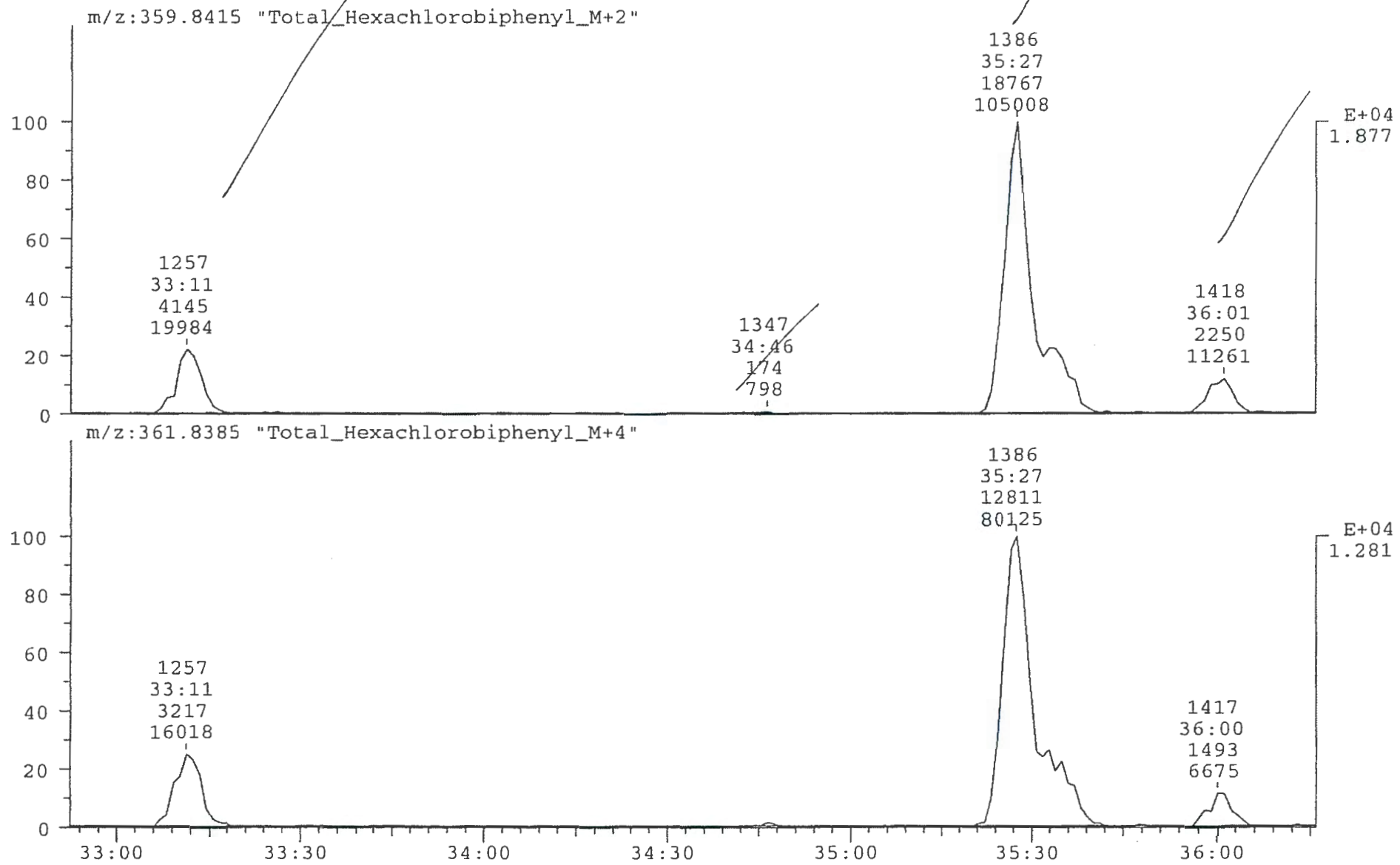
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  39:50      1631
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012si Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
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
```



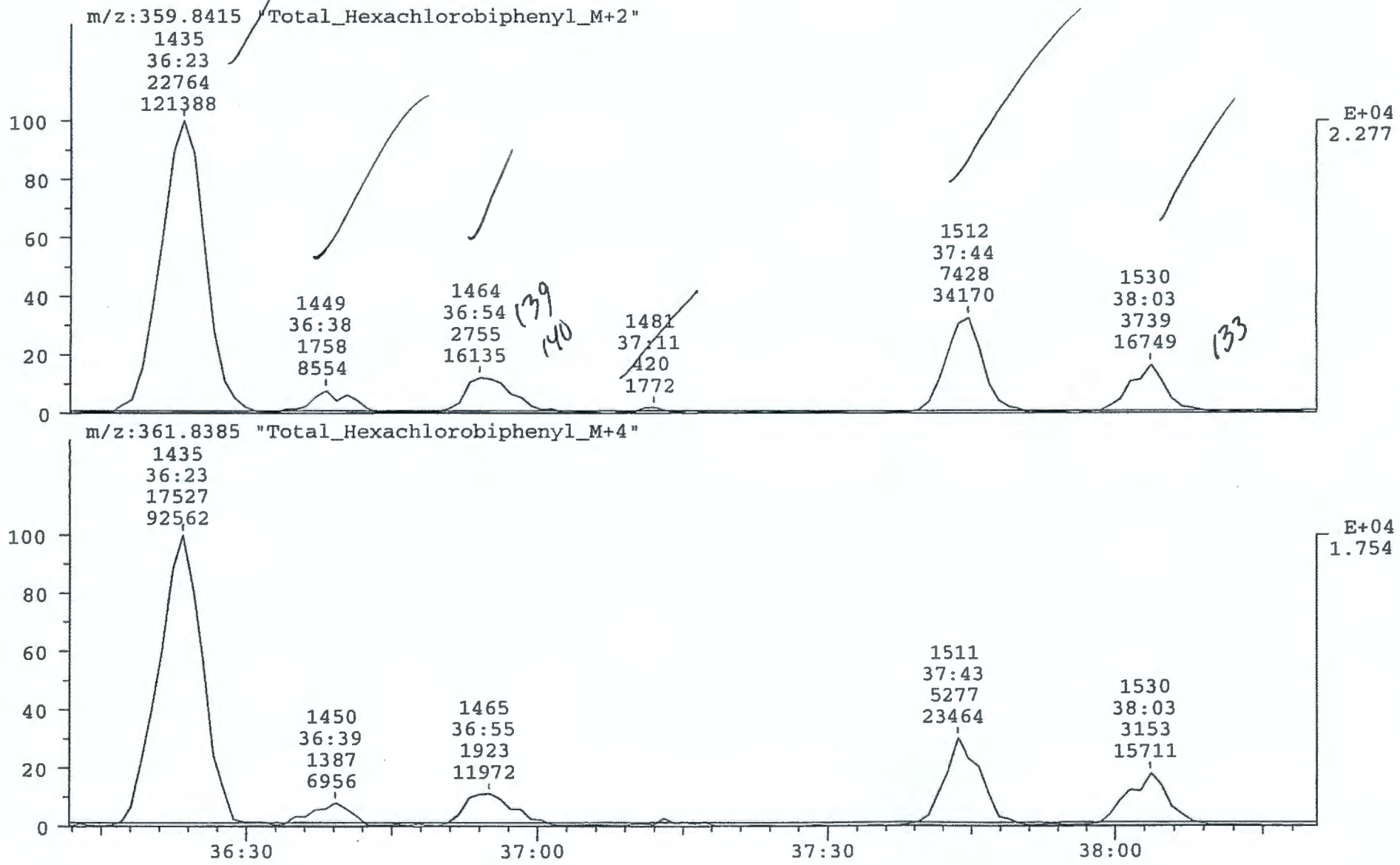
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  45:38      1961
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
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
```



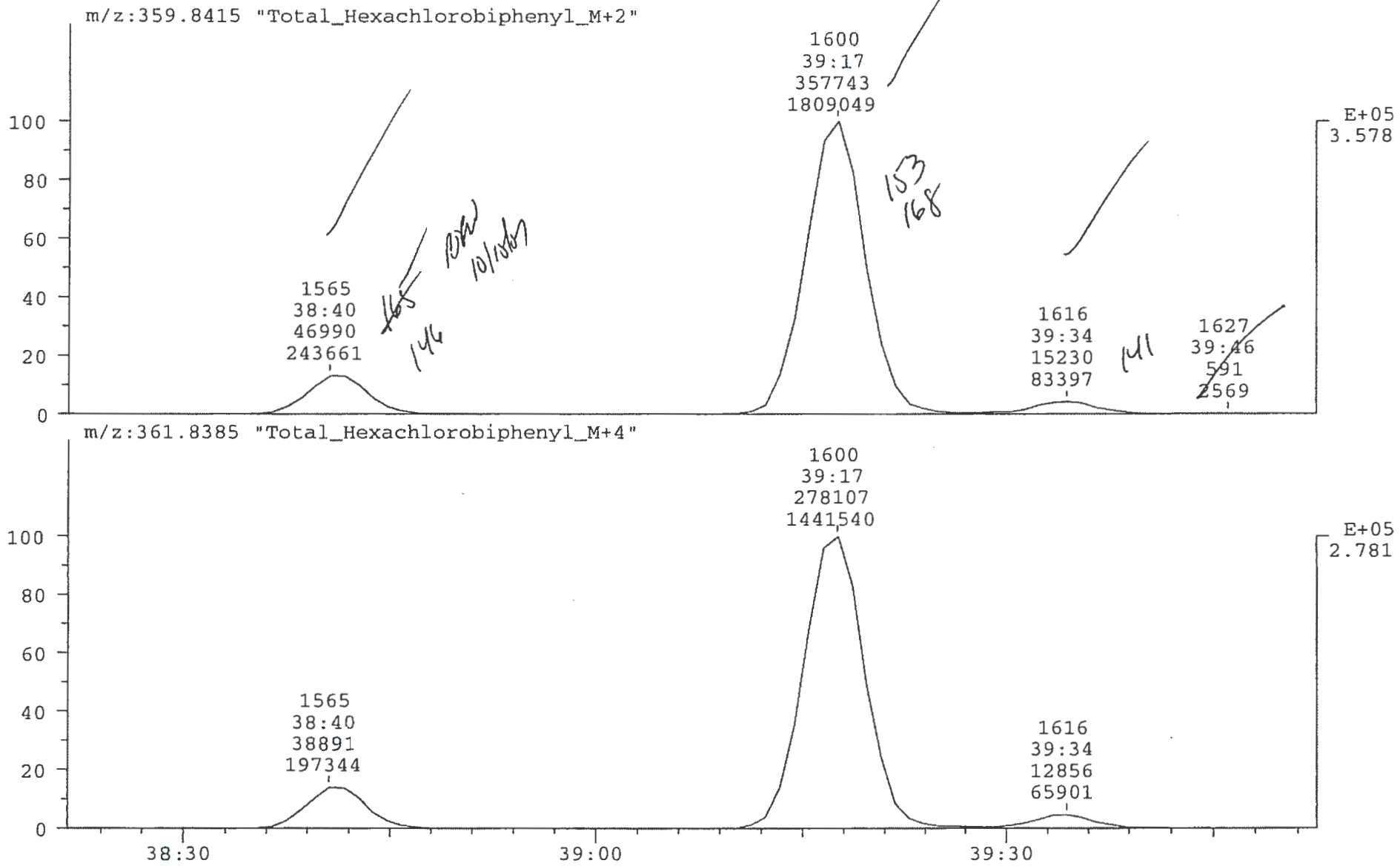
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1239 > 1428 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



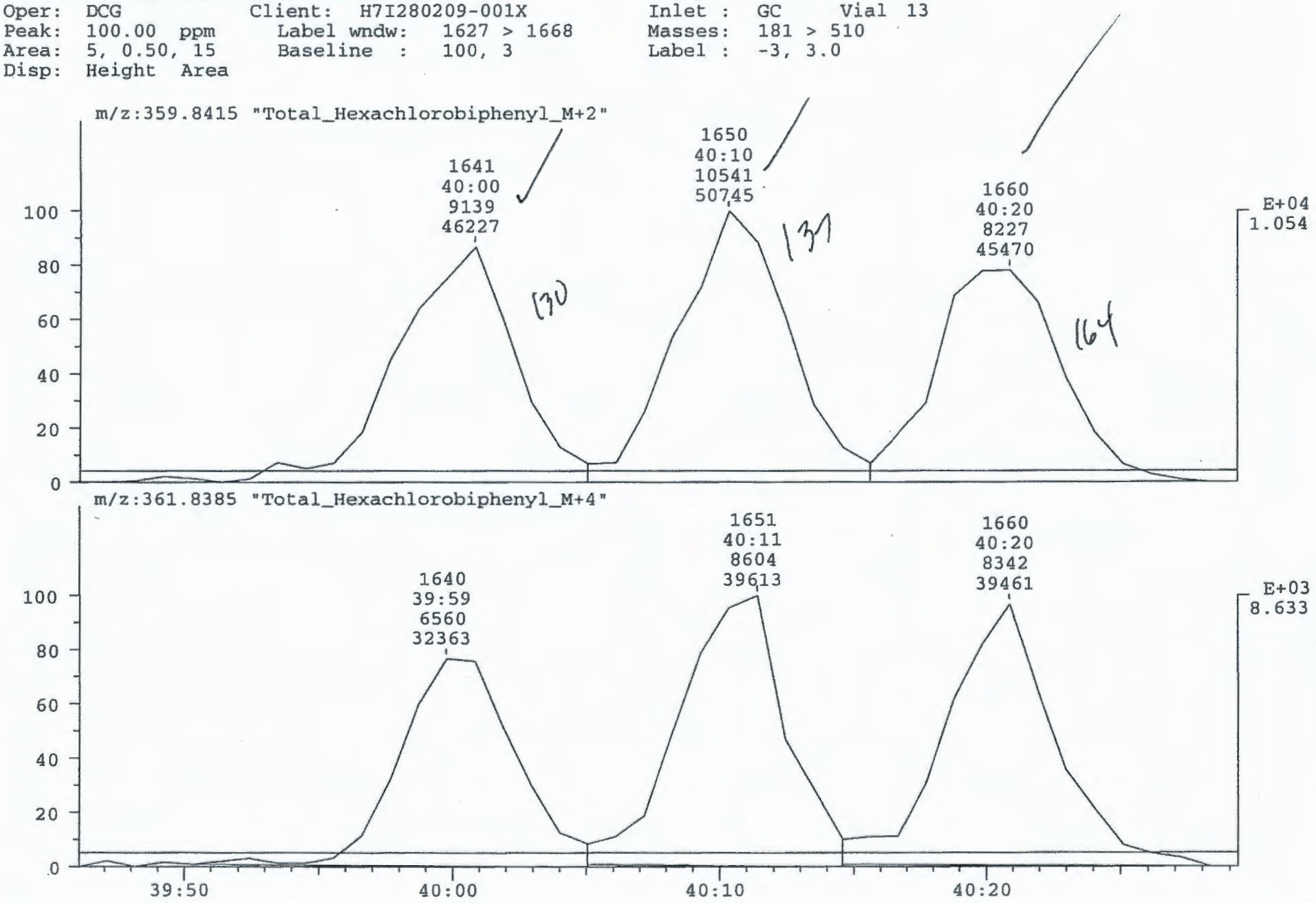
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1424 > 1546 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



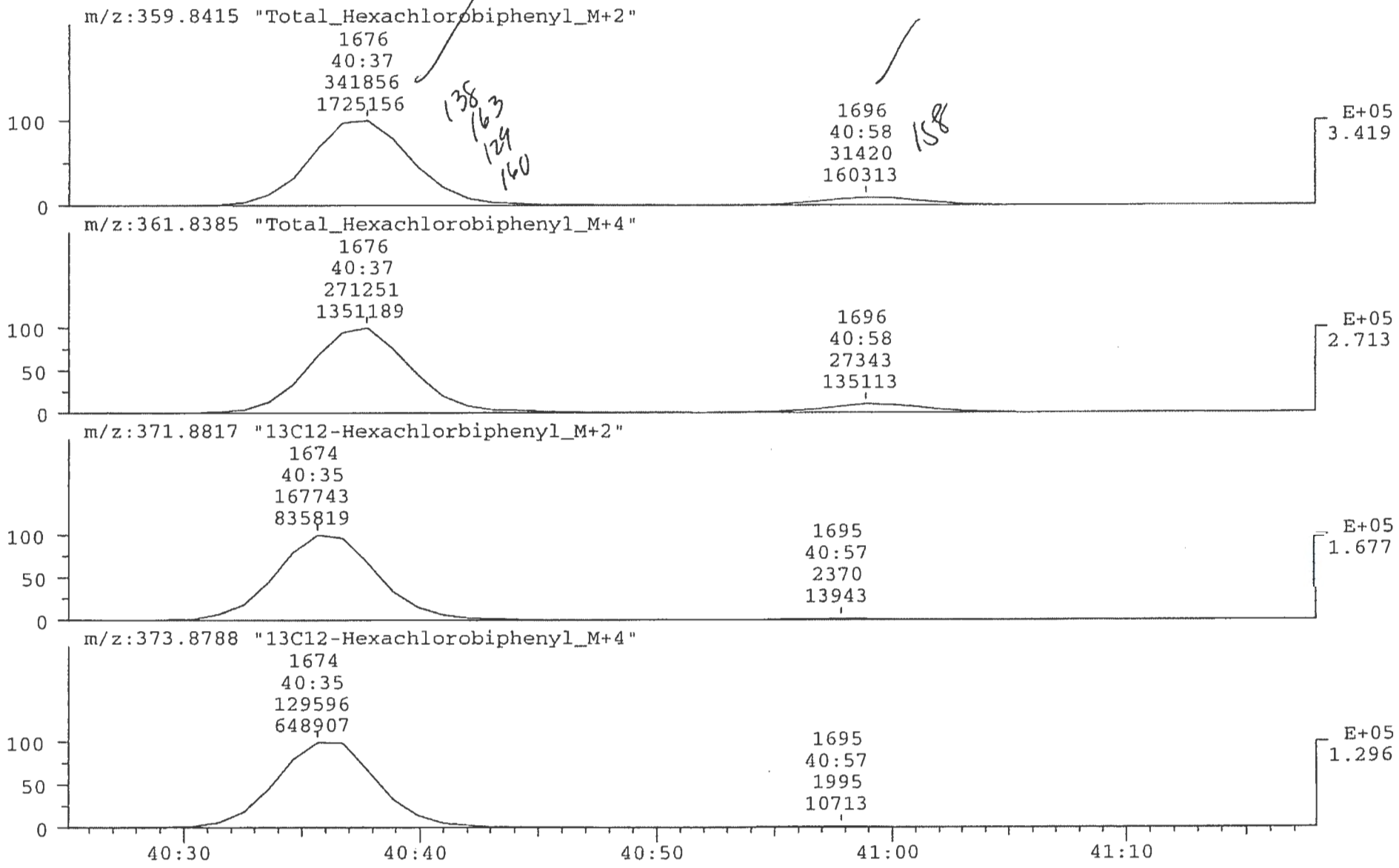
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   1547 > 1633          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



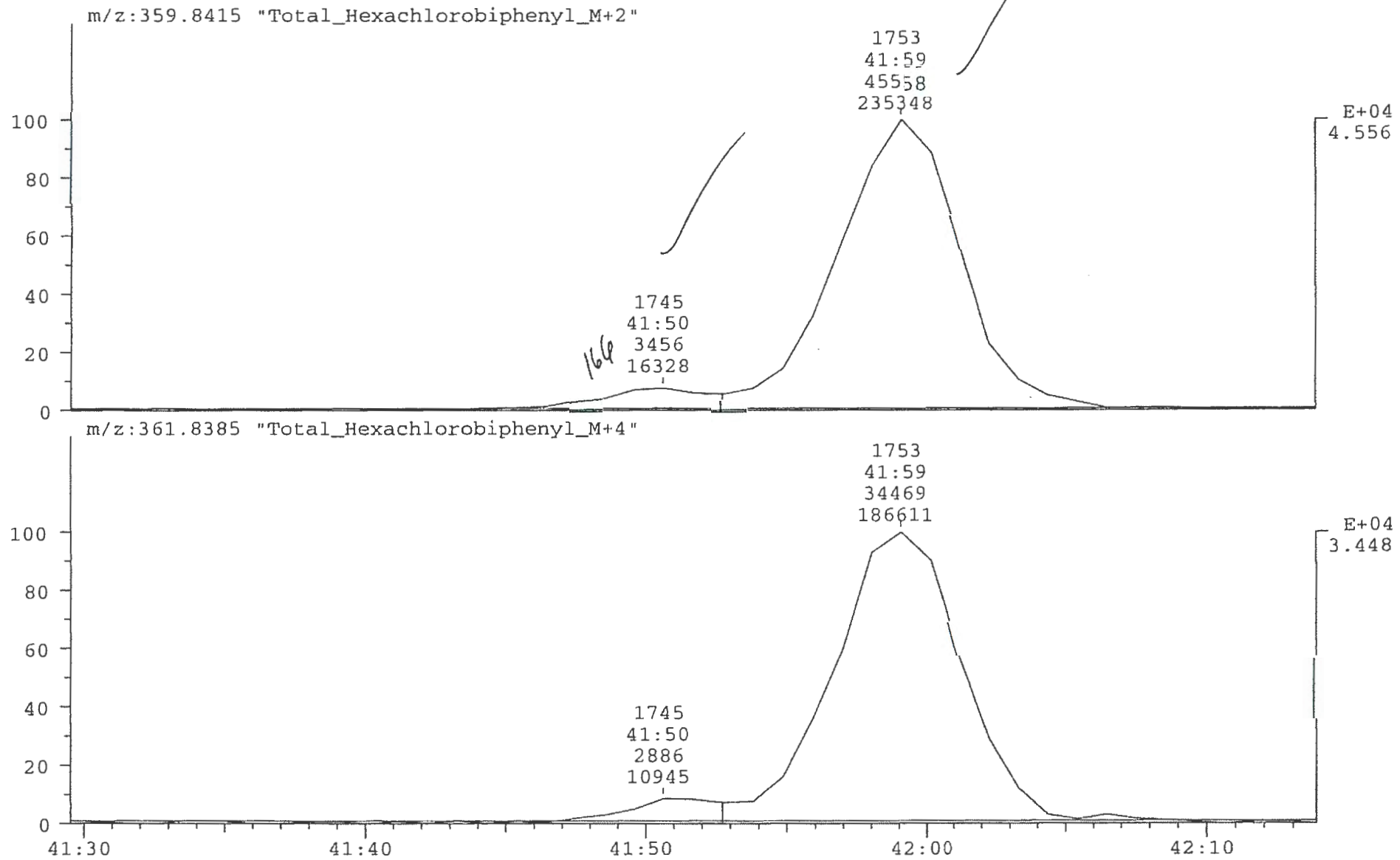
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   1627 > 1668          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



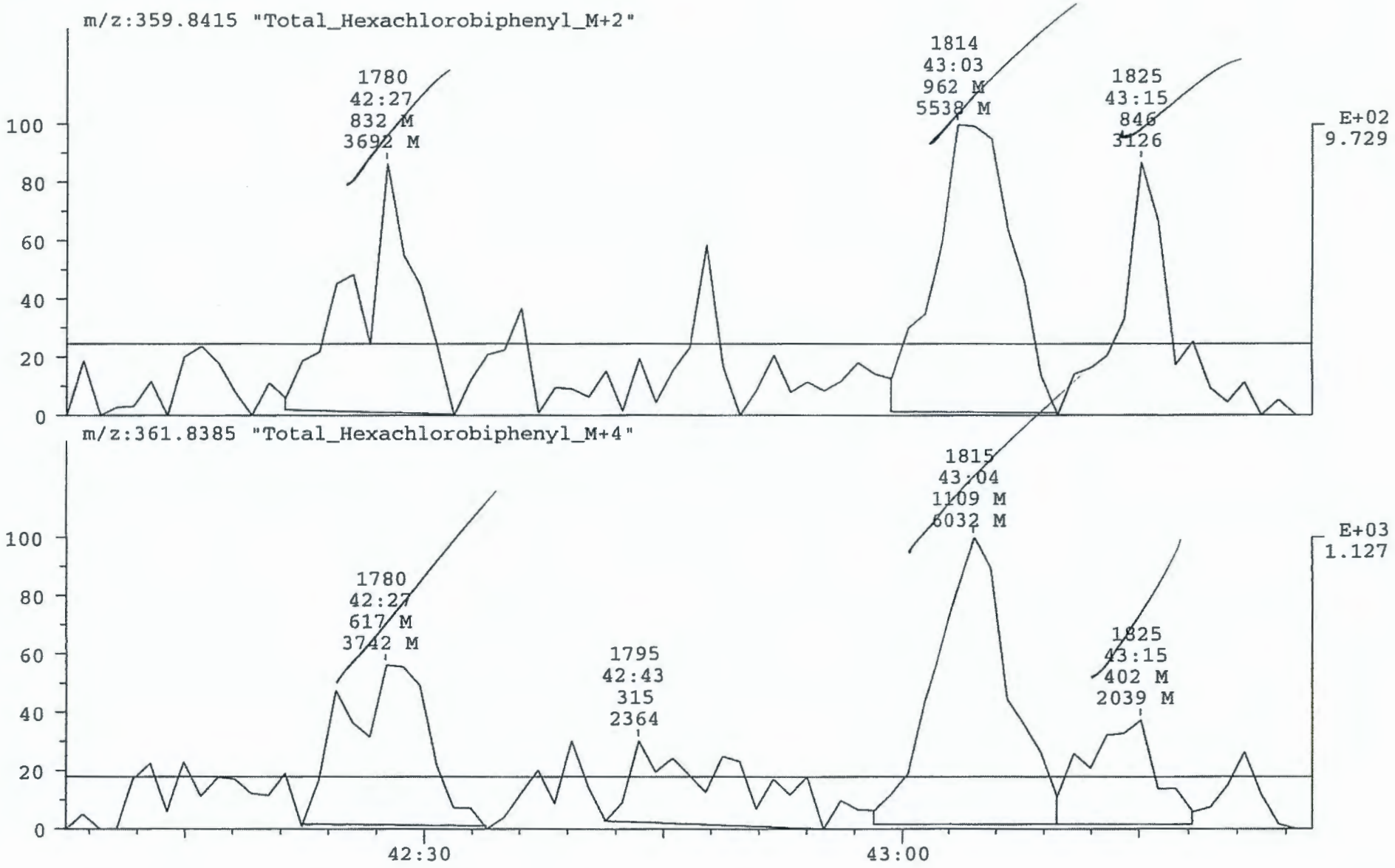
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1664 > 1714 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



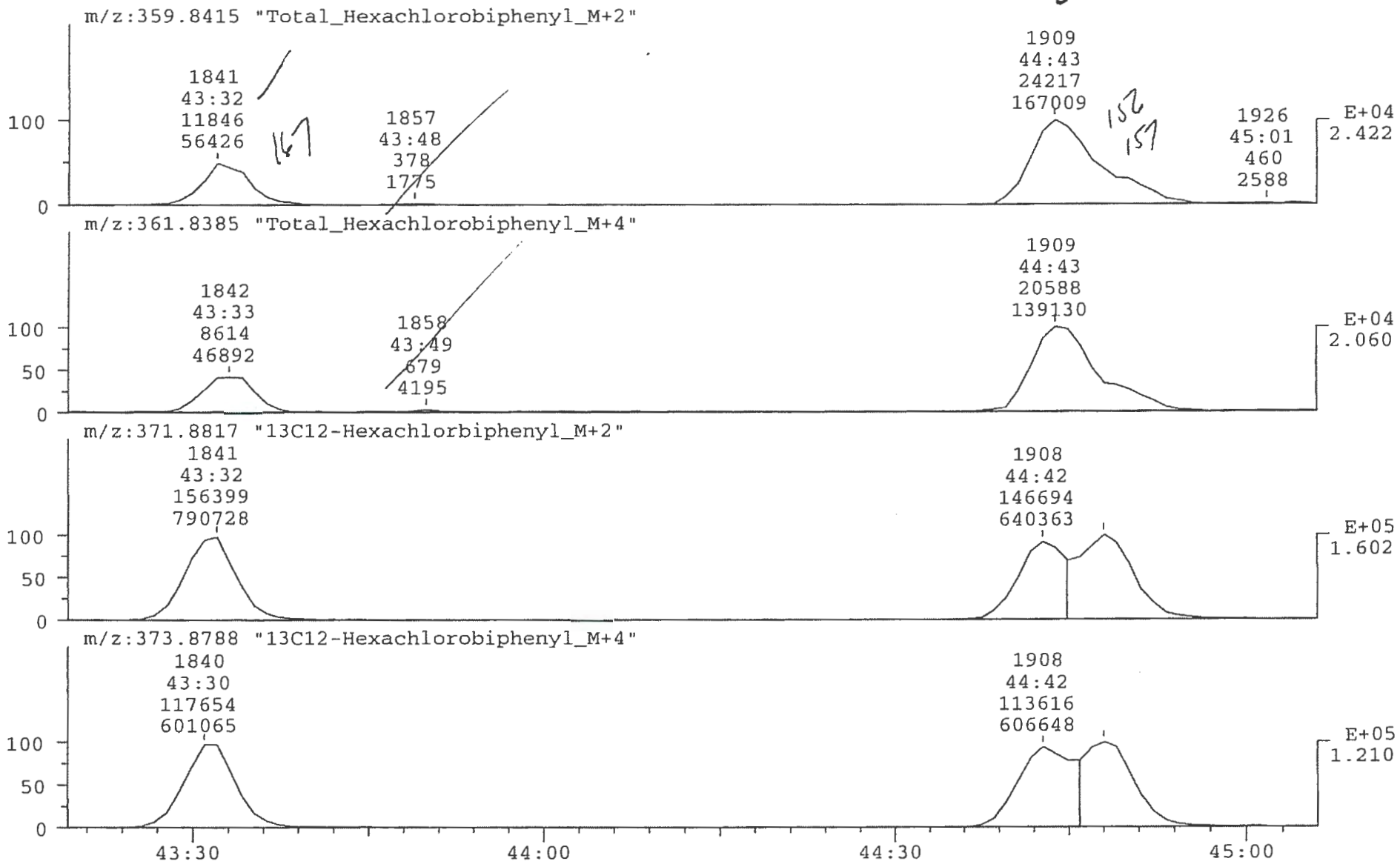
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   1725 > 1767          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



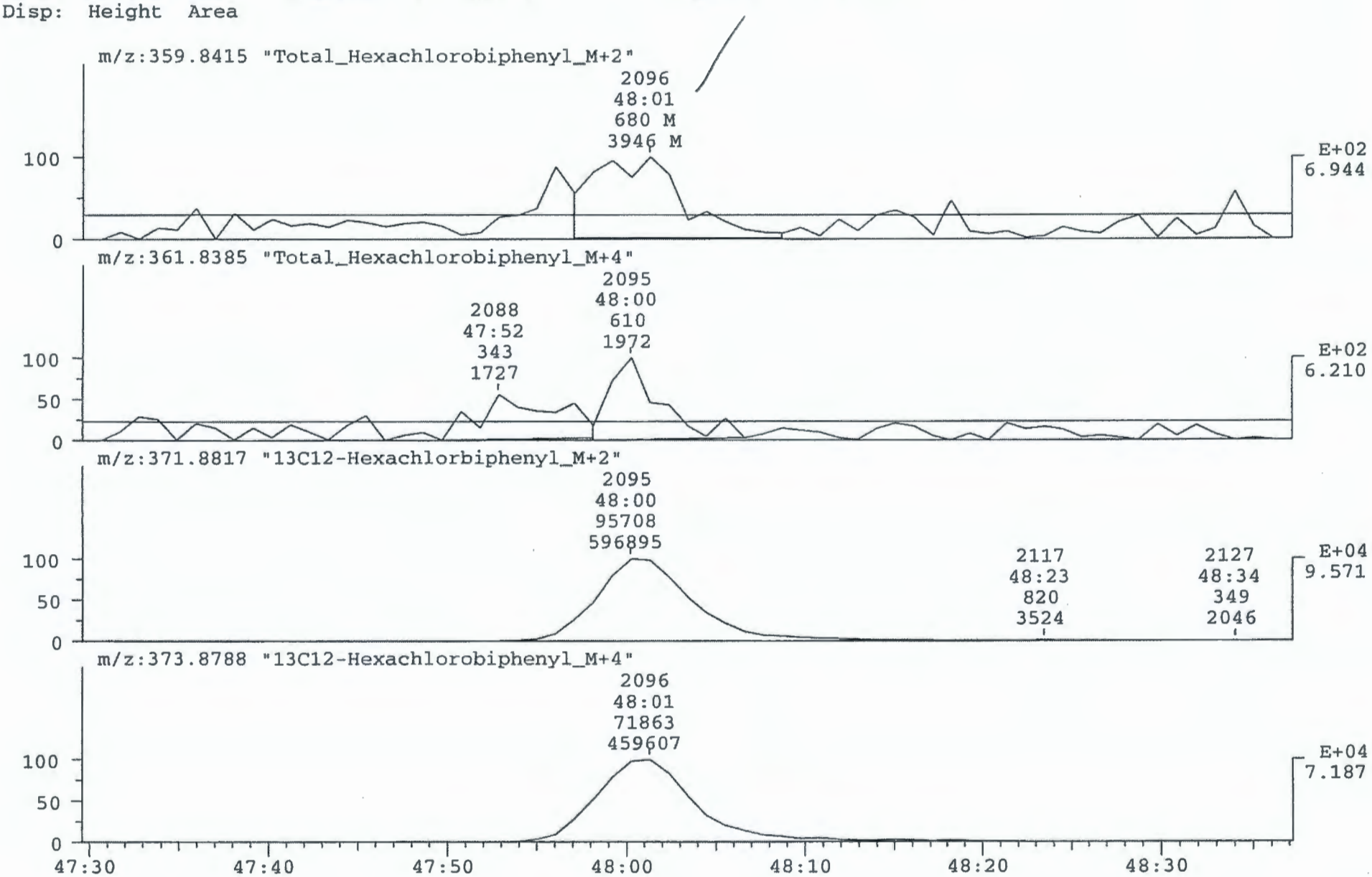
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial 13
Peak:  100.00  ppm      Label wndw:   1761 > 1835          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



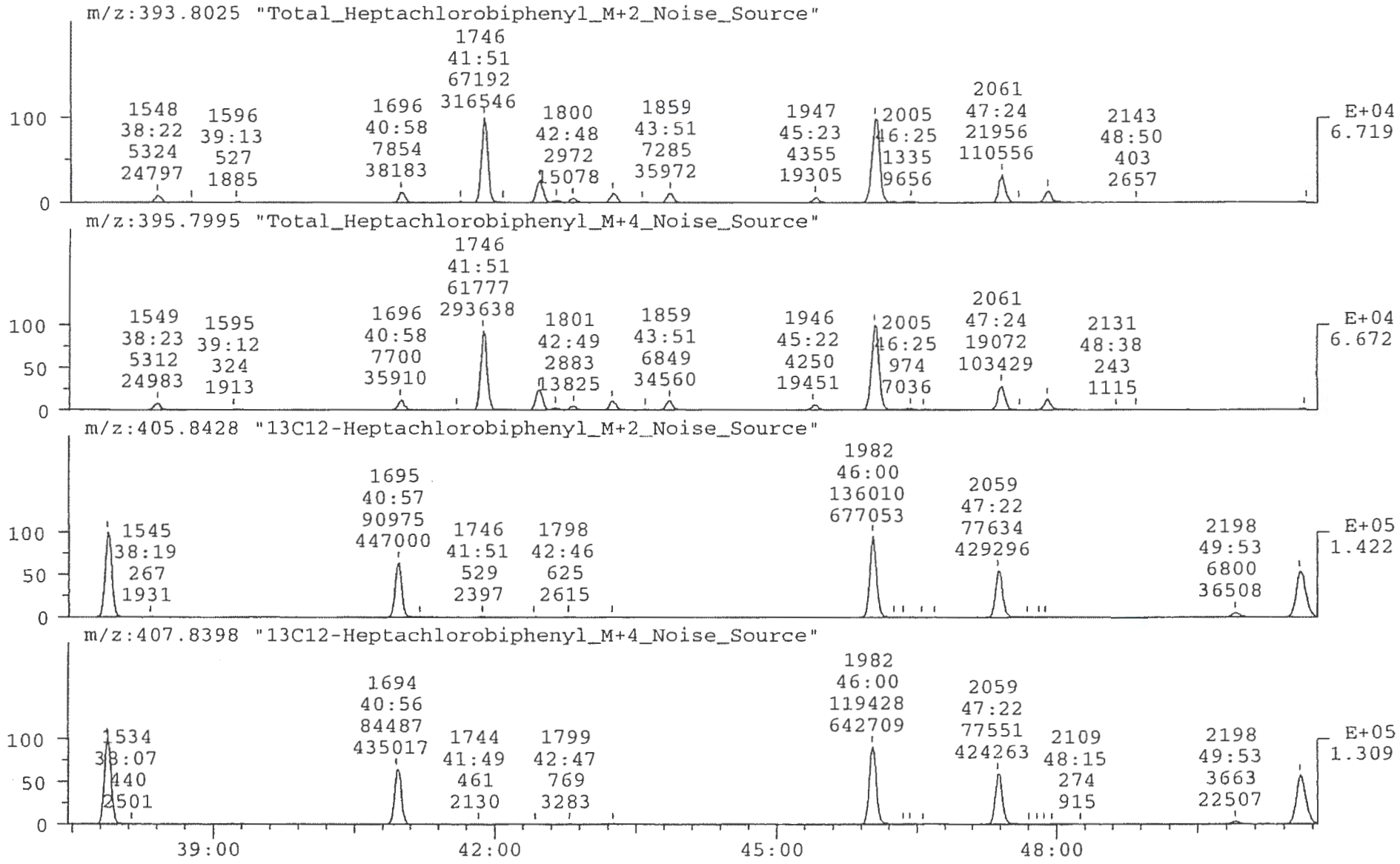
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1829 > 1930 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



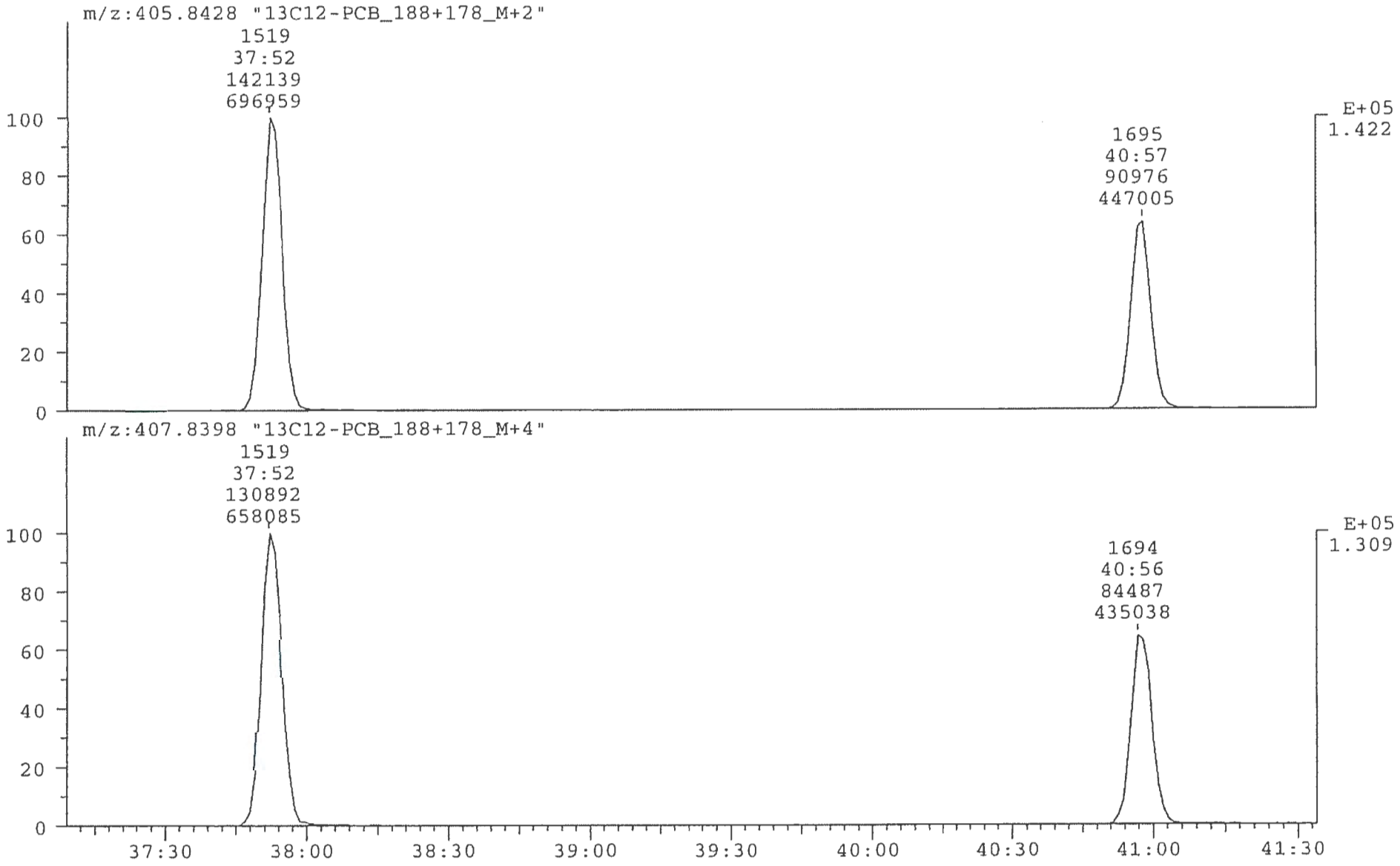
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 2066 > 2130 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 4 Label : -3, 3.0
Disp: Height Area



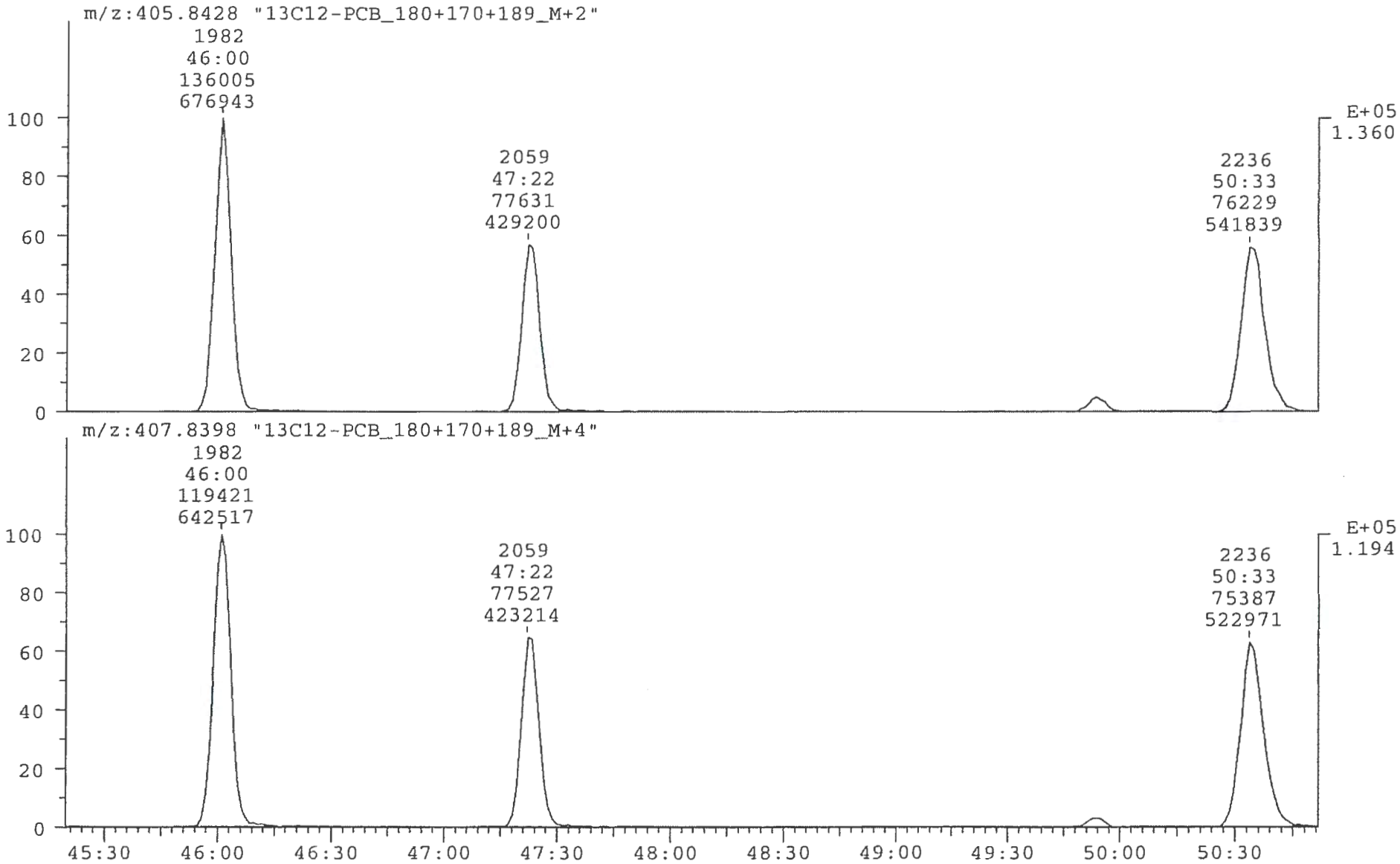
CHRO: apj7v9mx 12-Oct-07 Elapse: 44:05 1873
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1495 > 2247 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



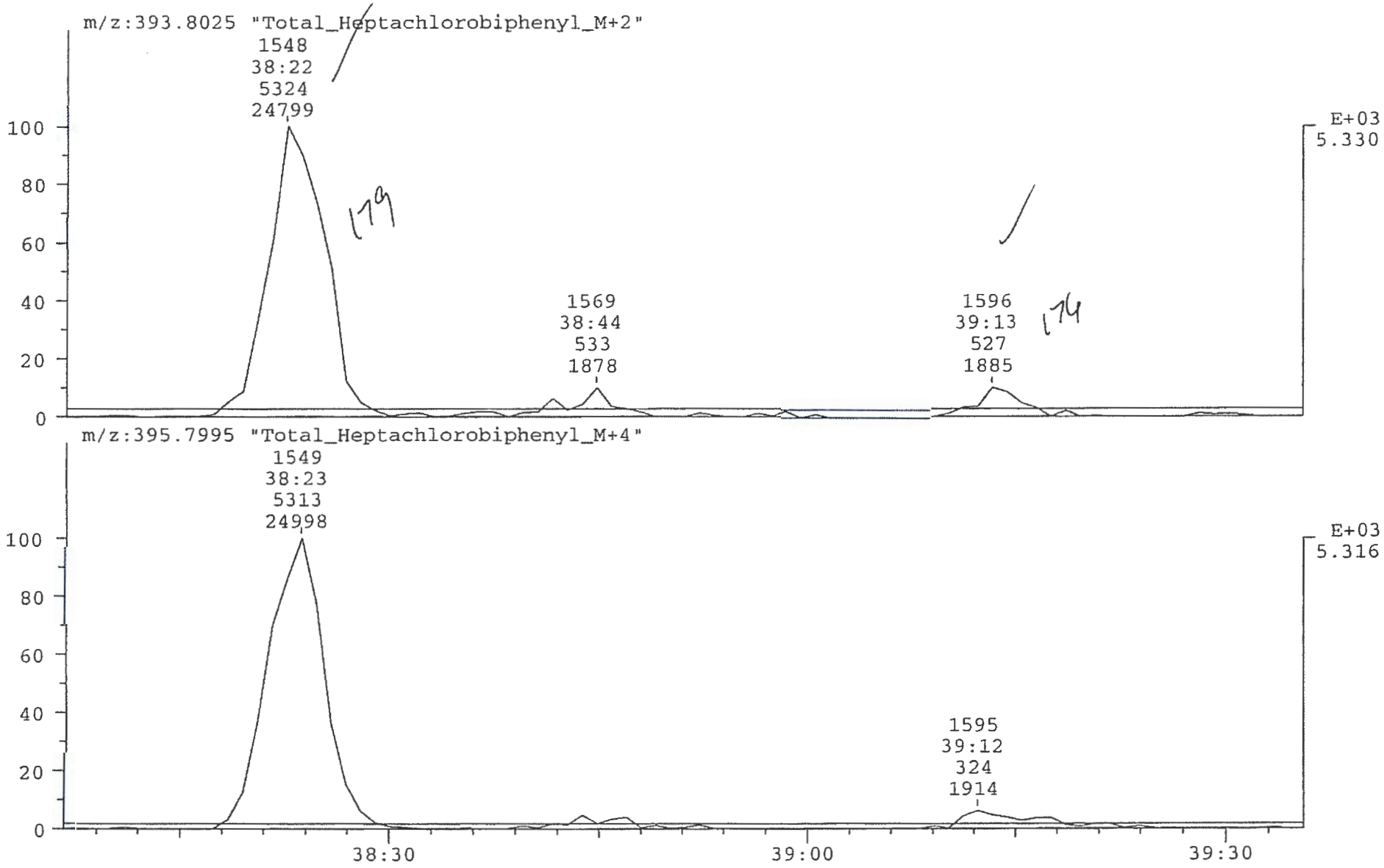
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  39:20       1603
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC      Vial 13
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
```



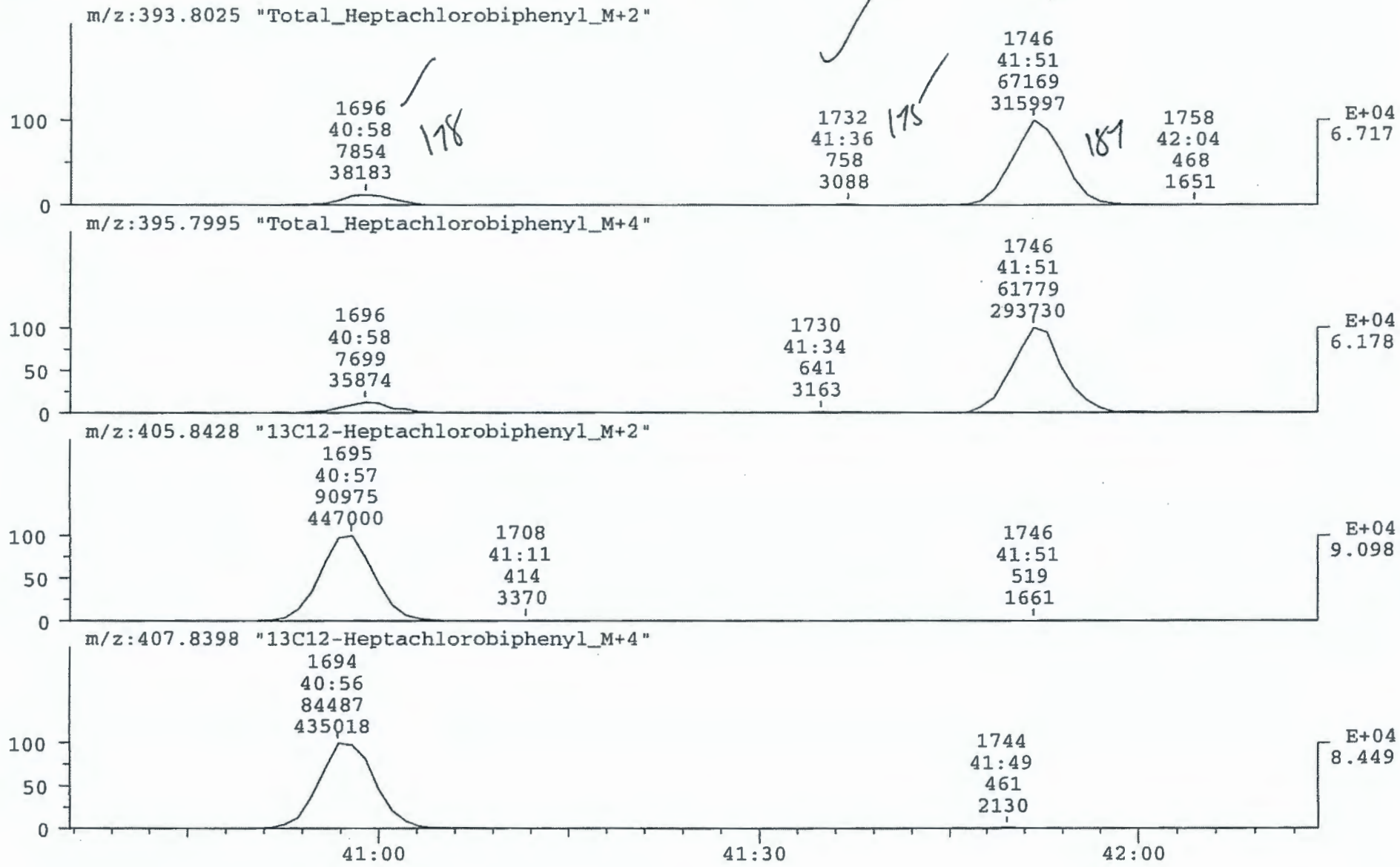
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  48:08      2103
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
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
```



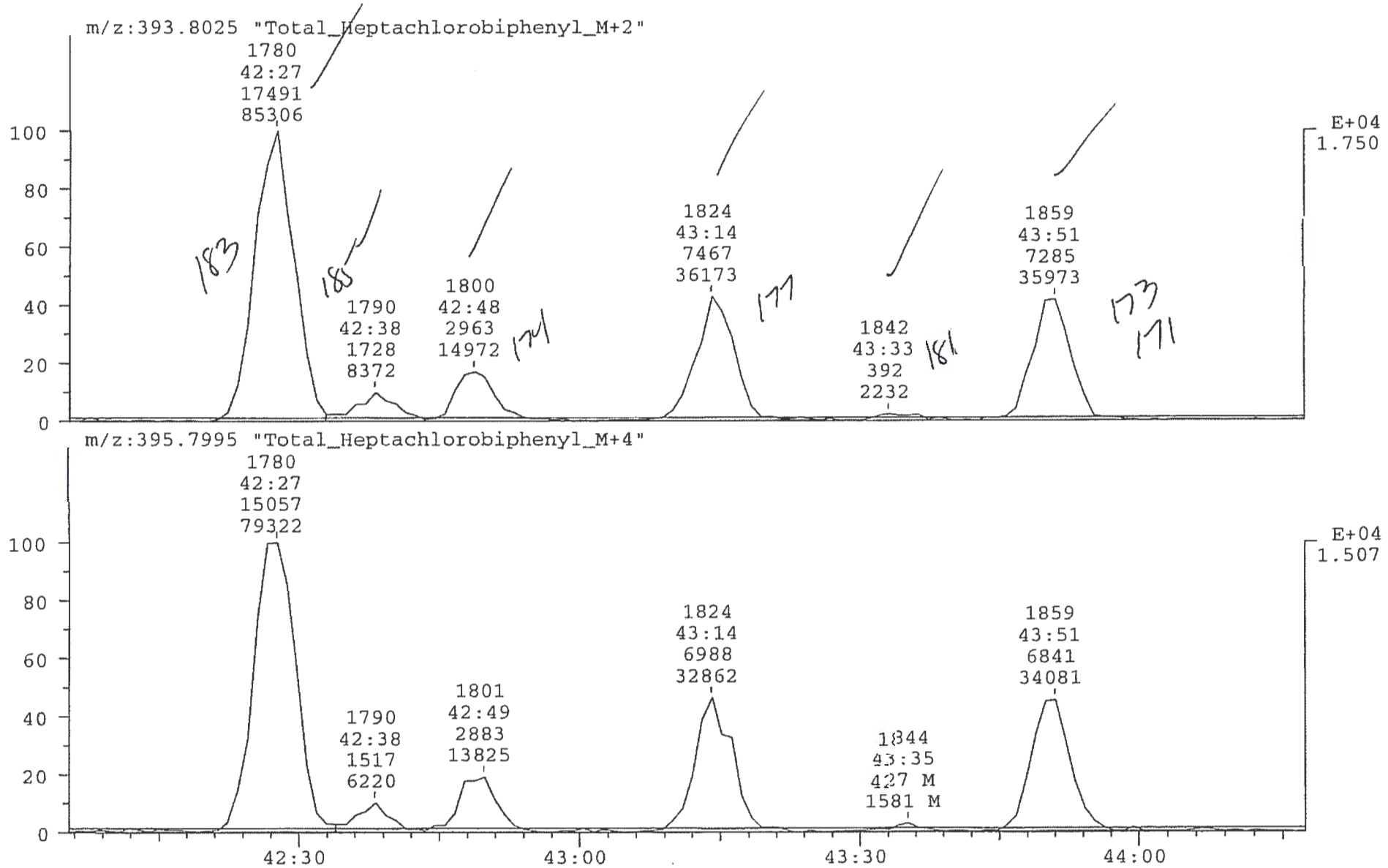
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   1533 > 1617          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



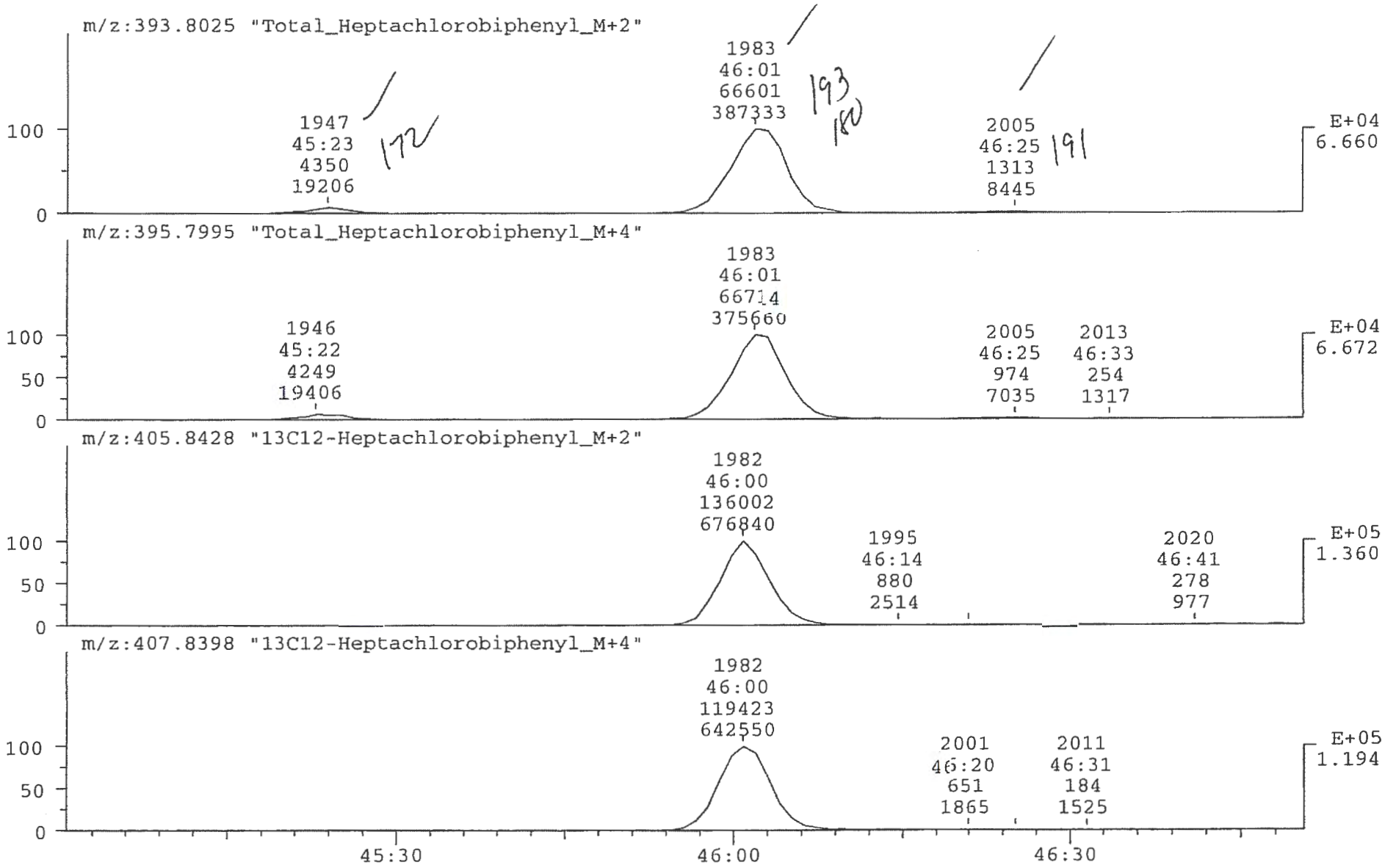
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1674 > 1767 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



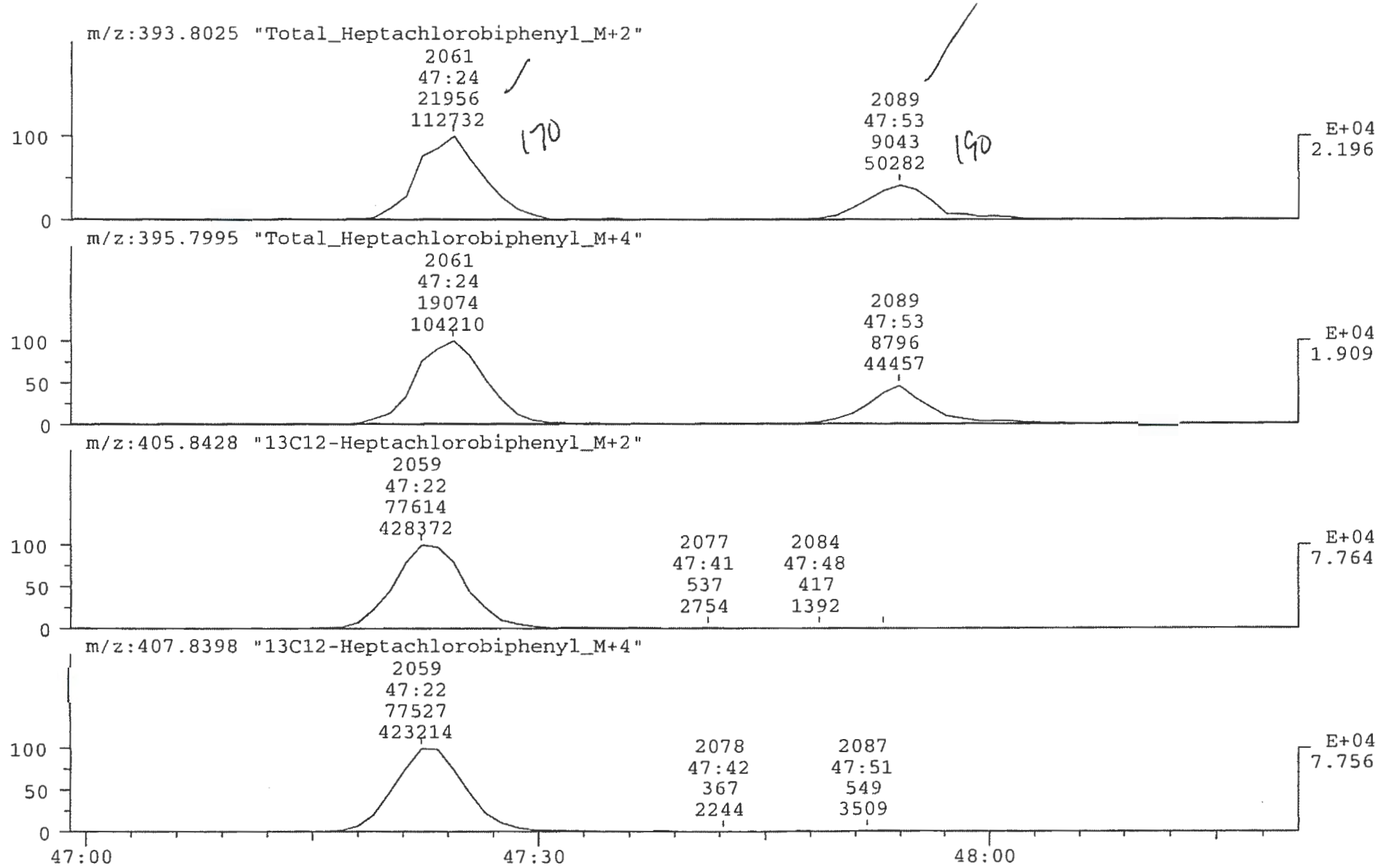
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   1759 > 1884          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



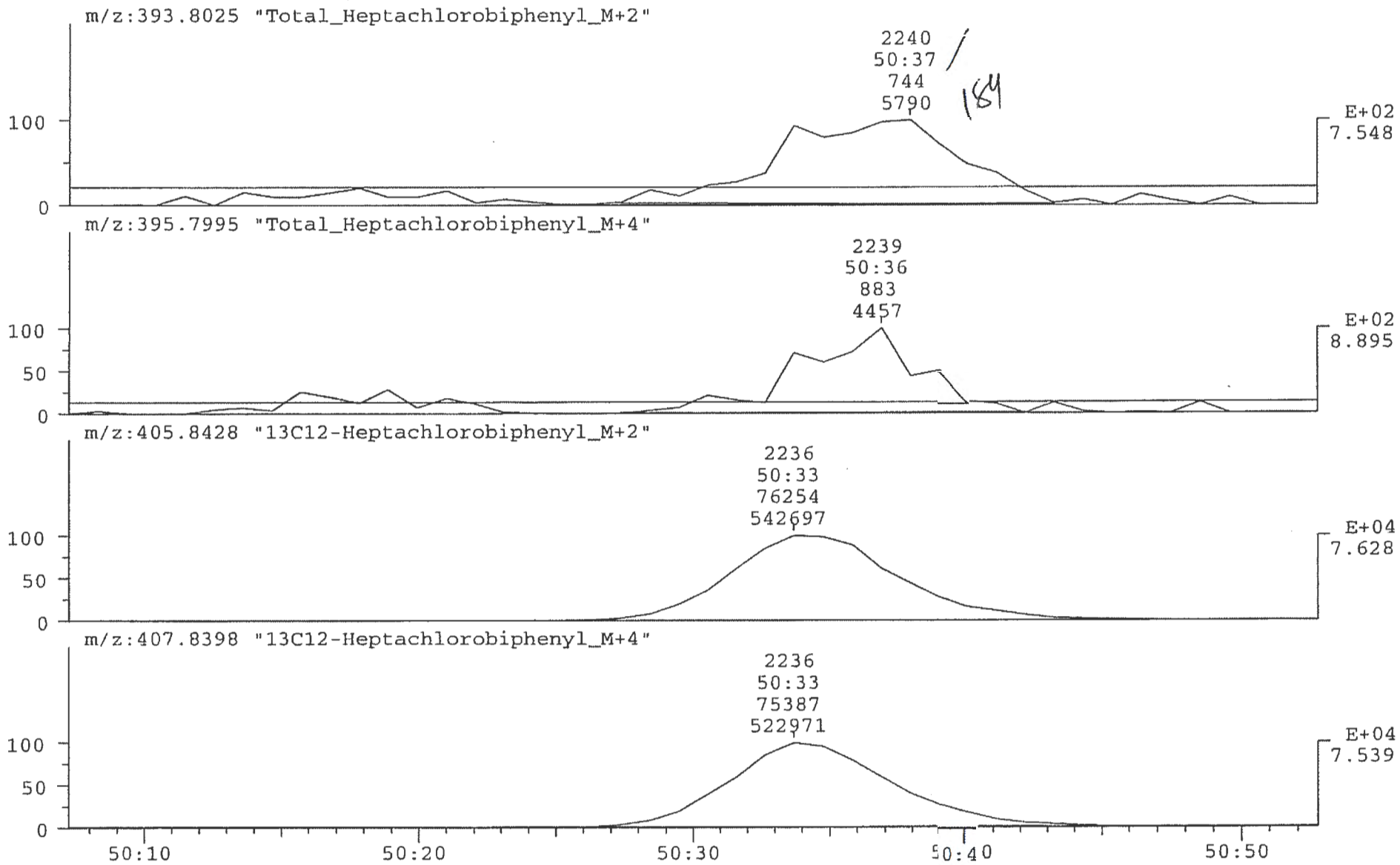
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1925 > 2029 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



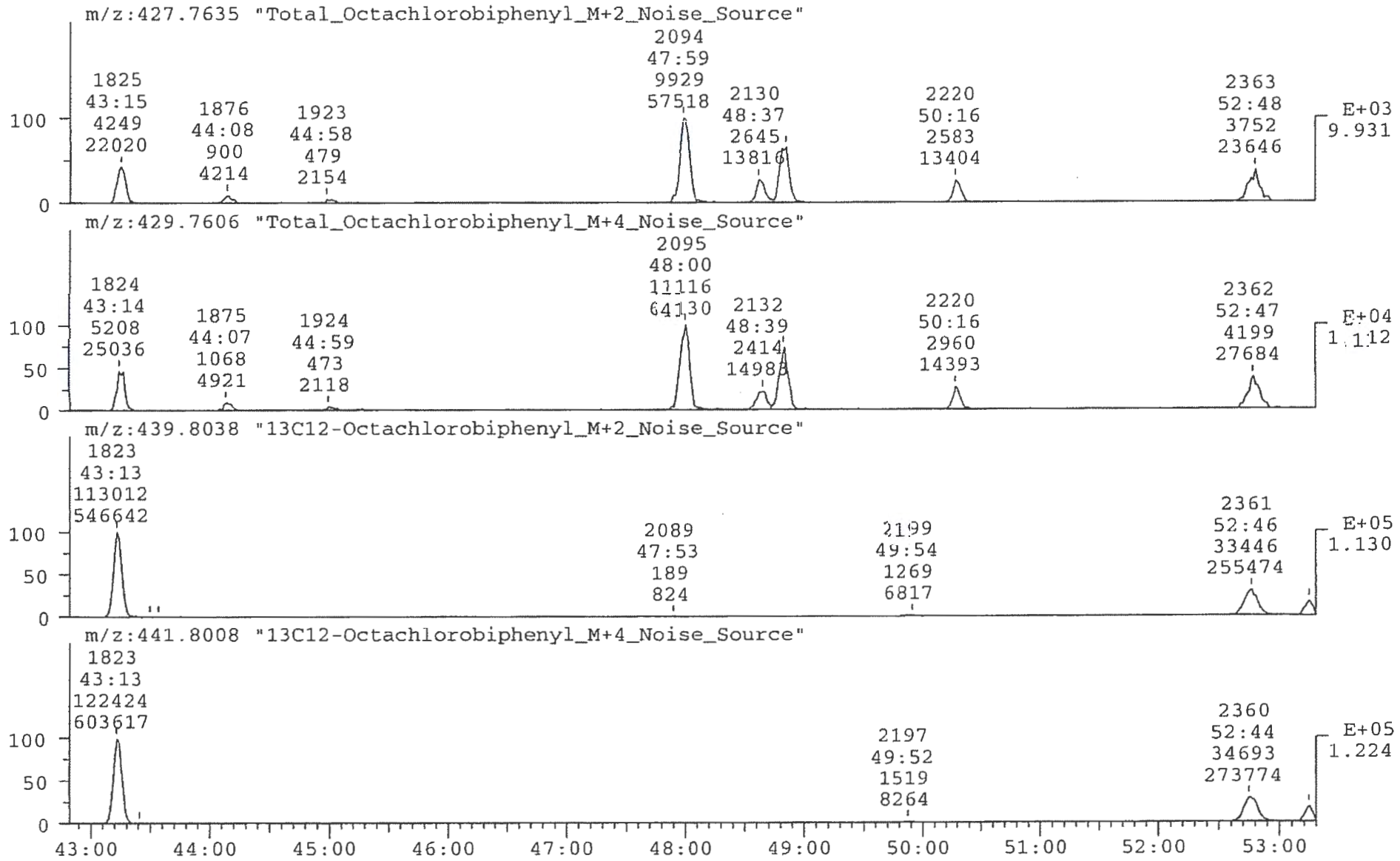
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 2037 > 2114 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



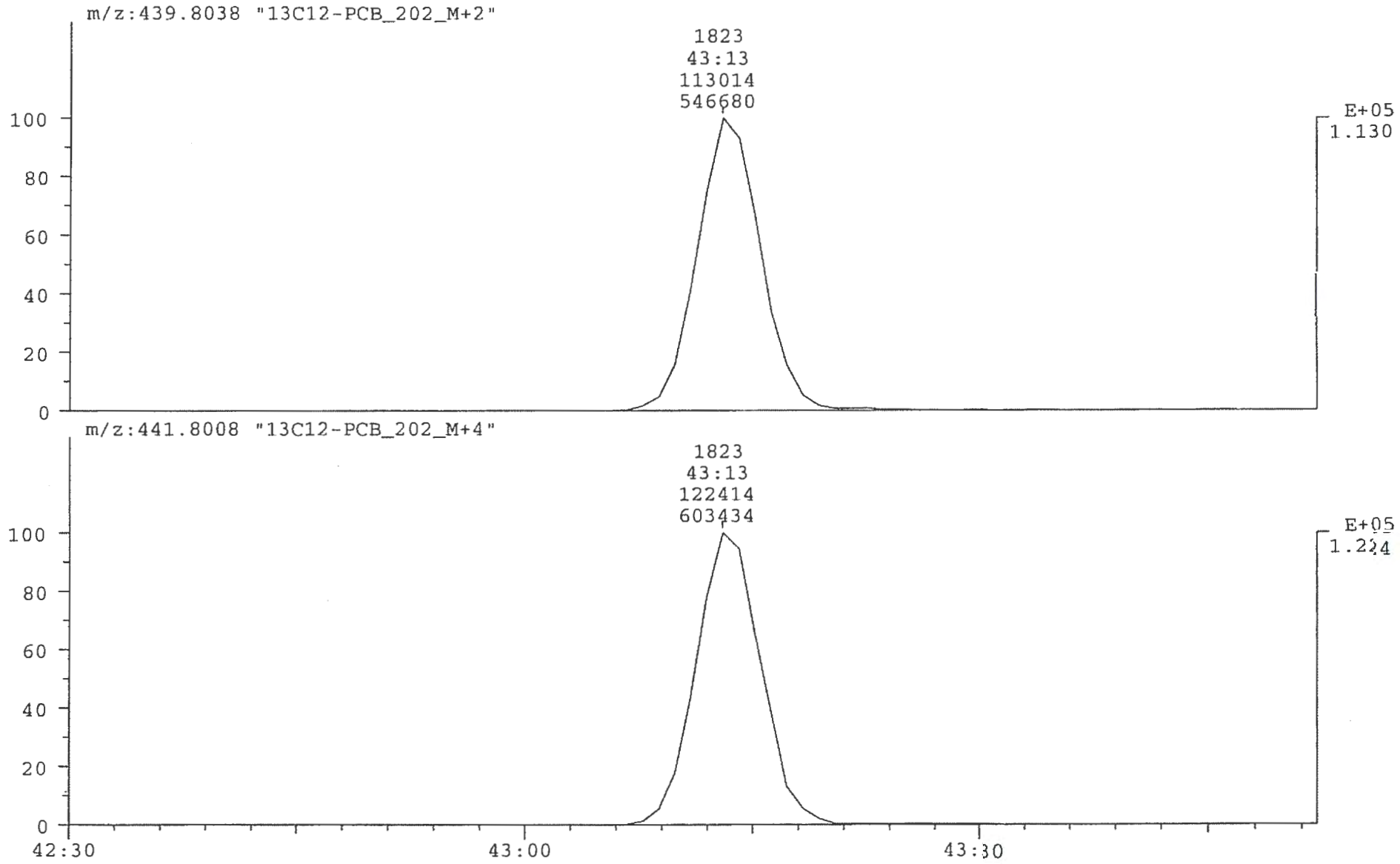
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 2211 > 2254 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



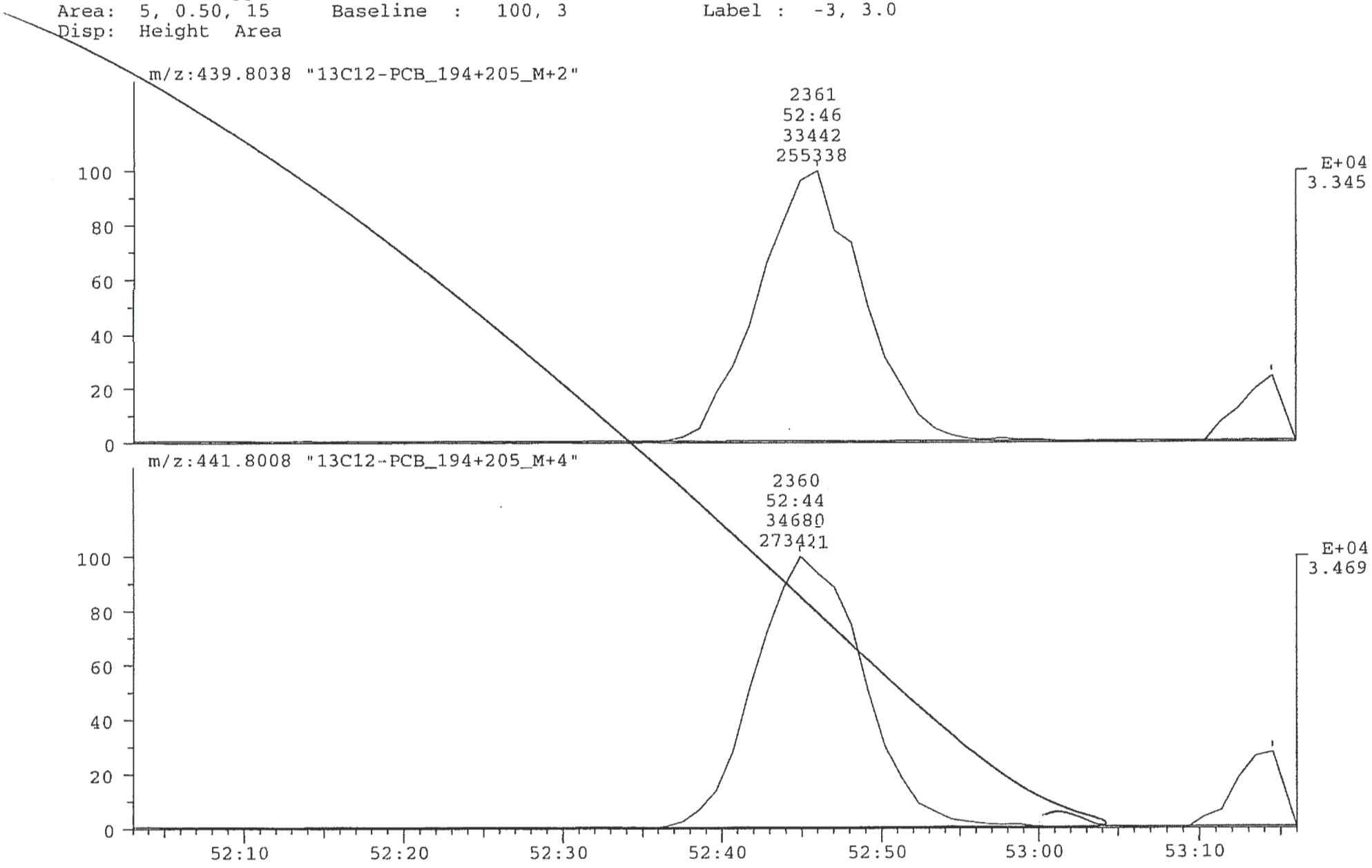
CHRO: apj7v9mx 12-Oct-07 Elapse: 48:03 2098
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1800 > 2391 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



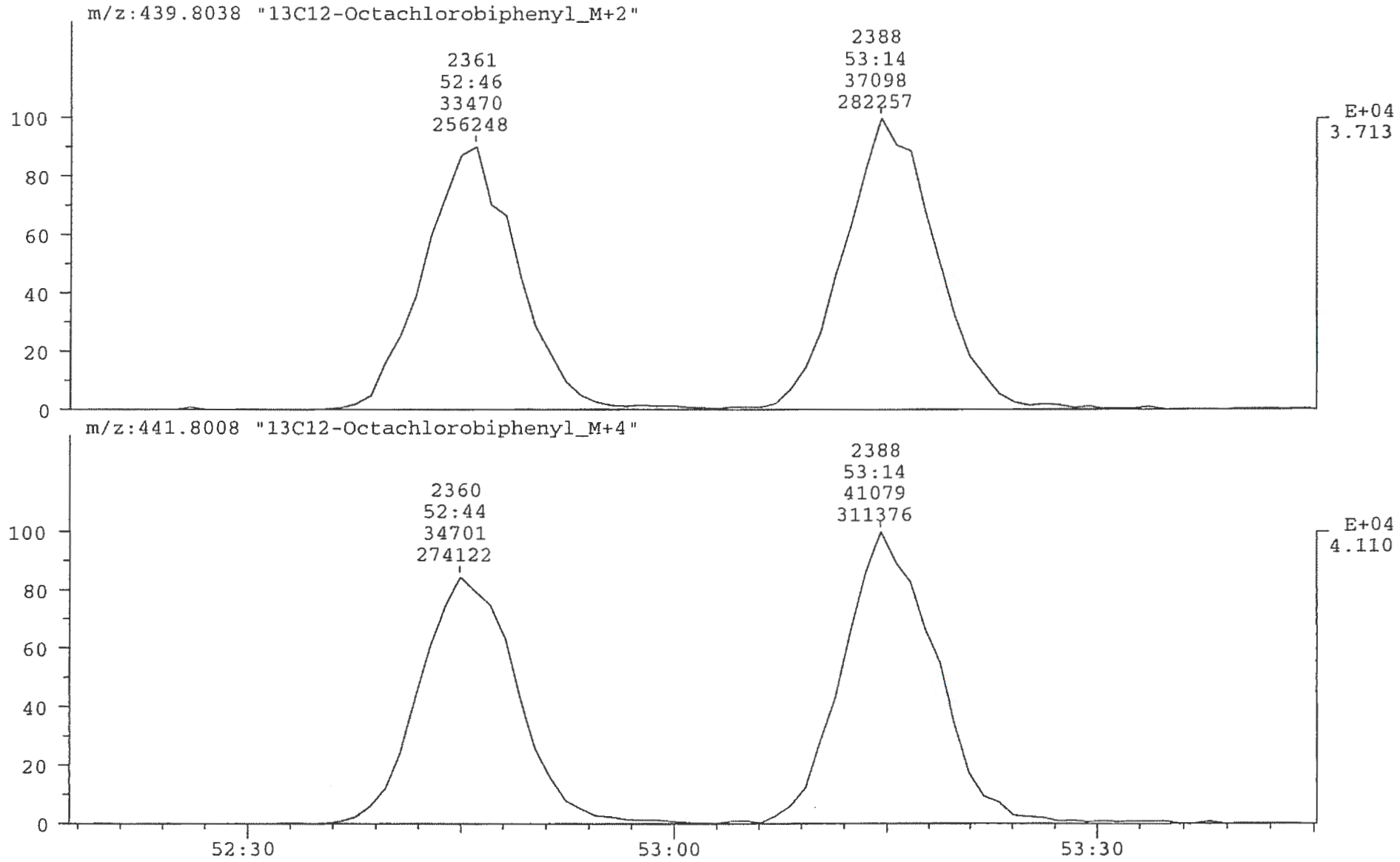
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  43:07      1818
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial 13
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
```



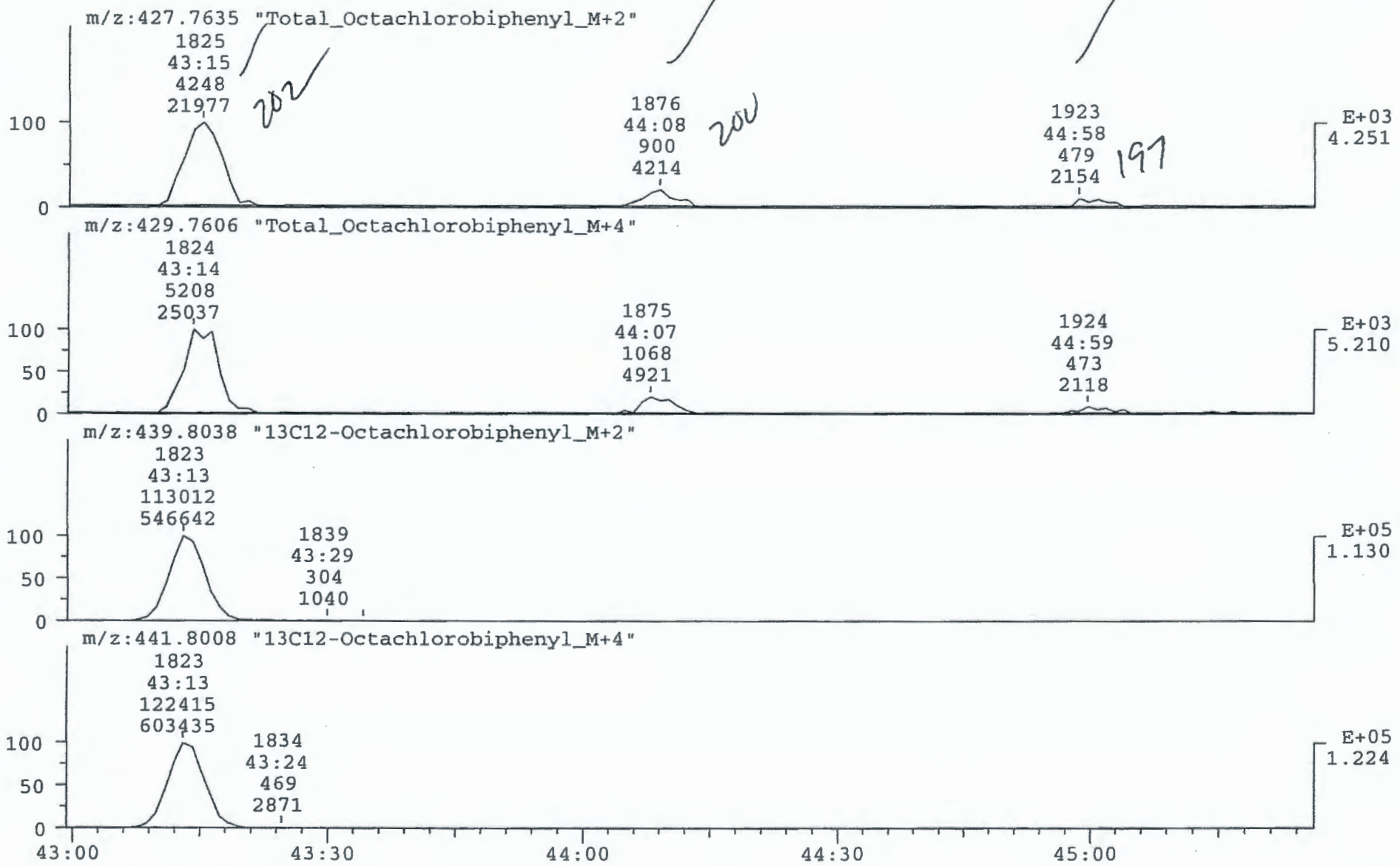
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  52:38      2354
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
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
```



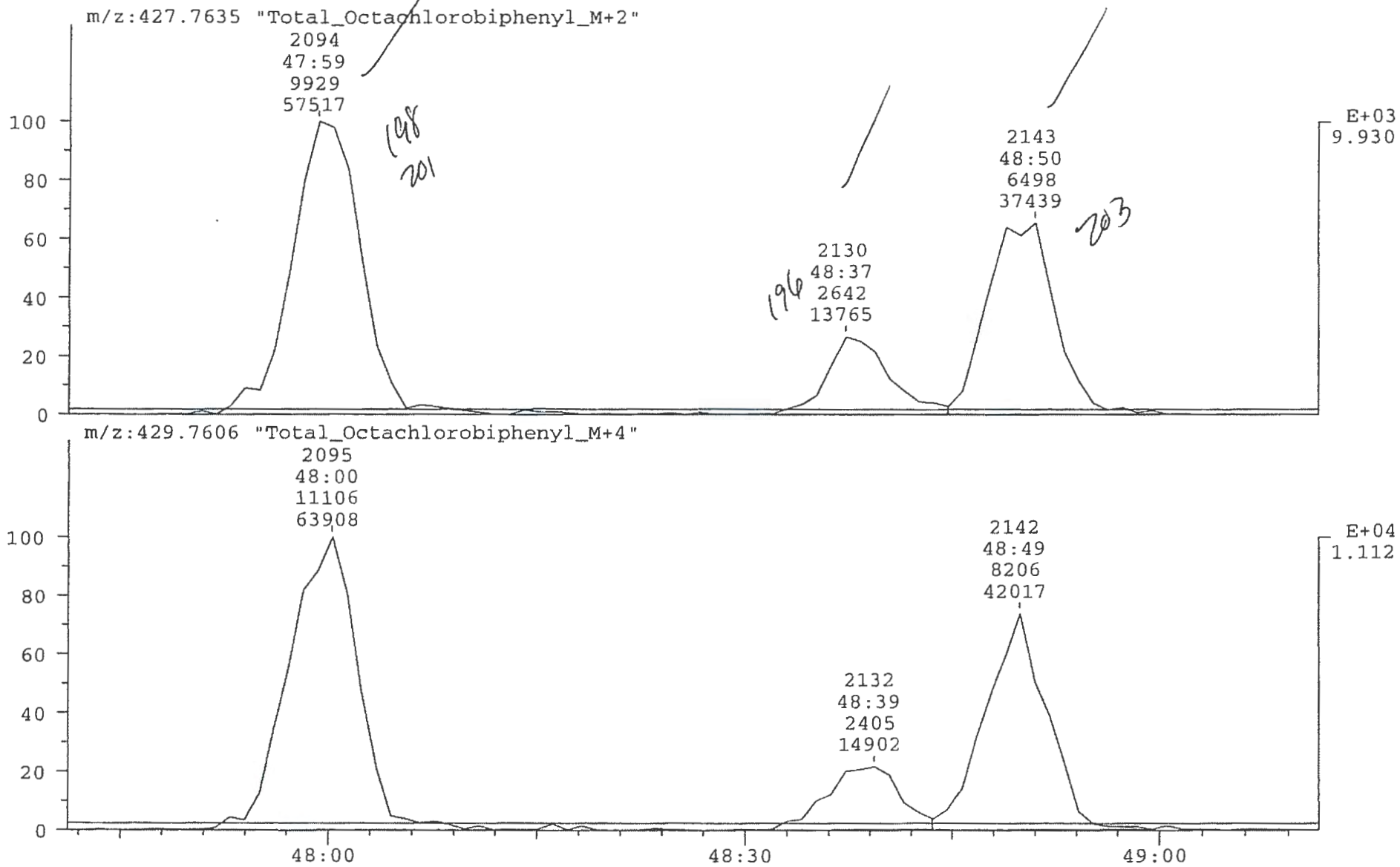
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   2334 > 2417          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  3, 3.0
Disp:  Height  Area
```



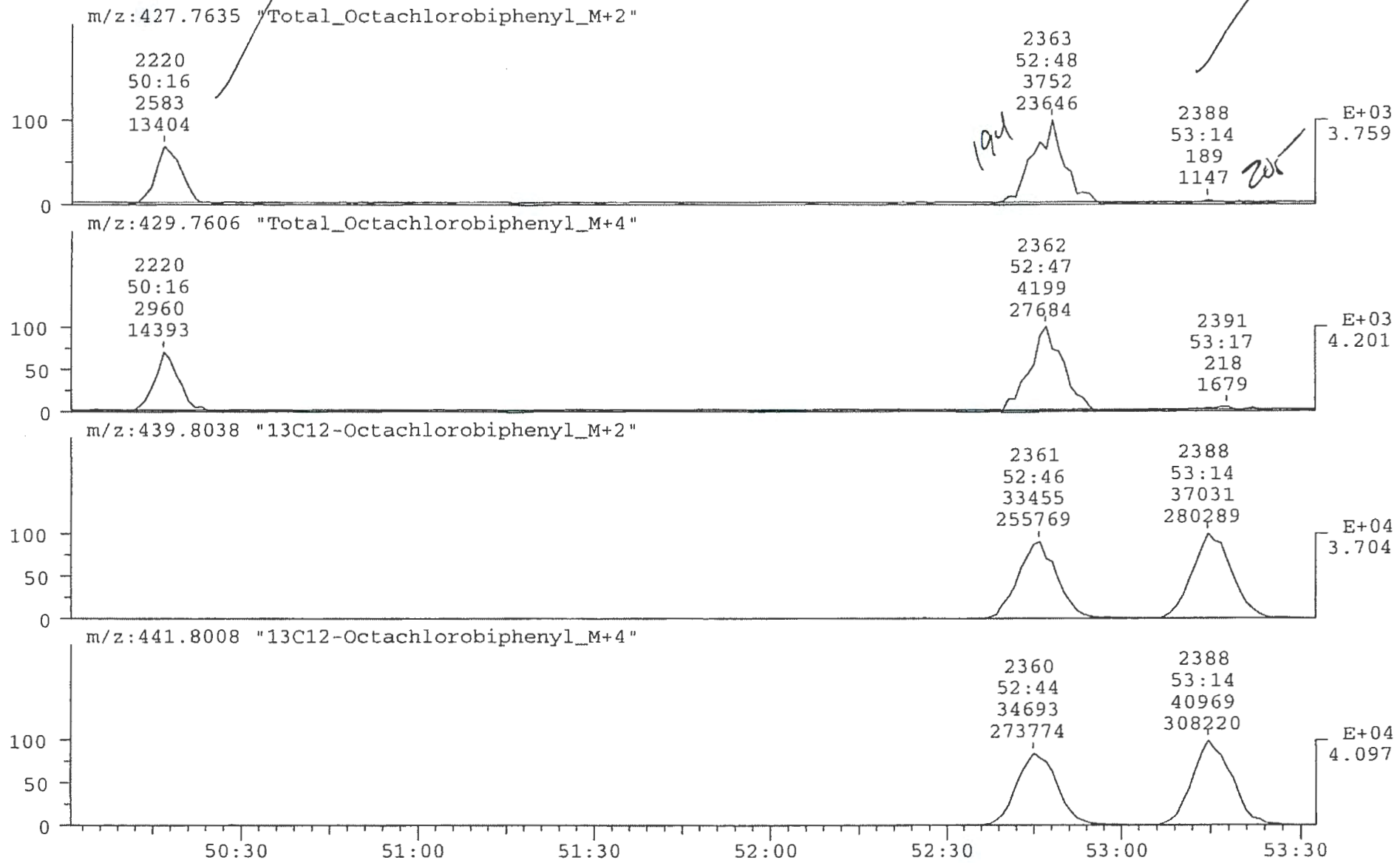
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1810 > 1949 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



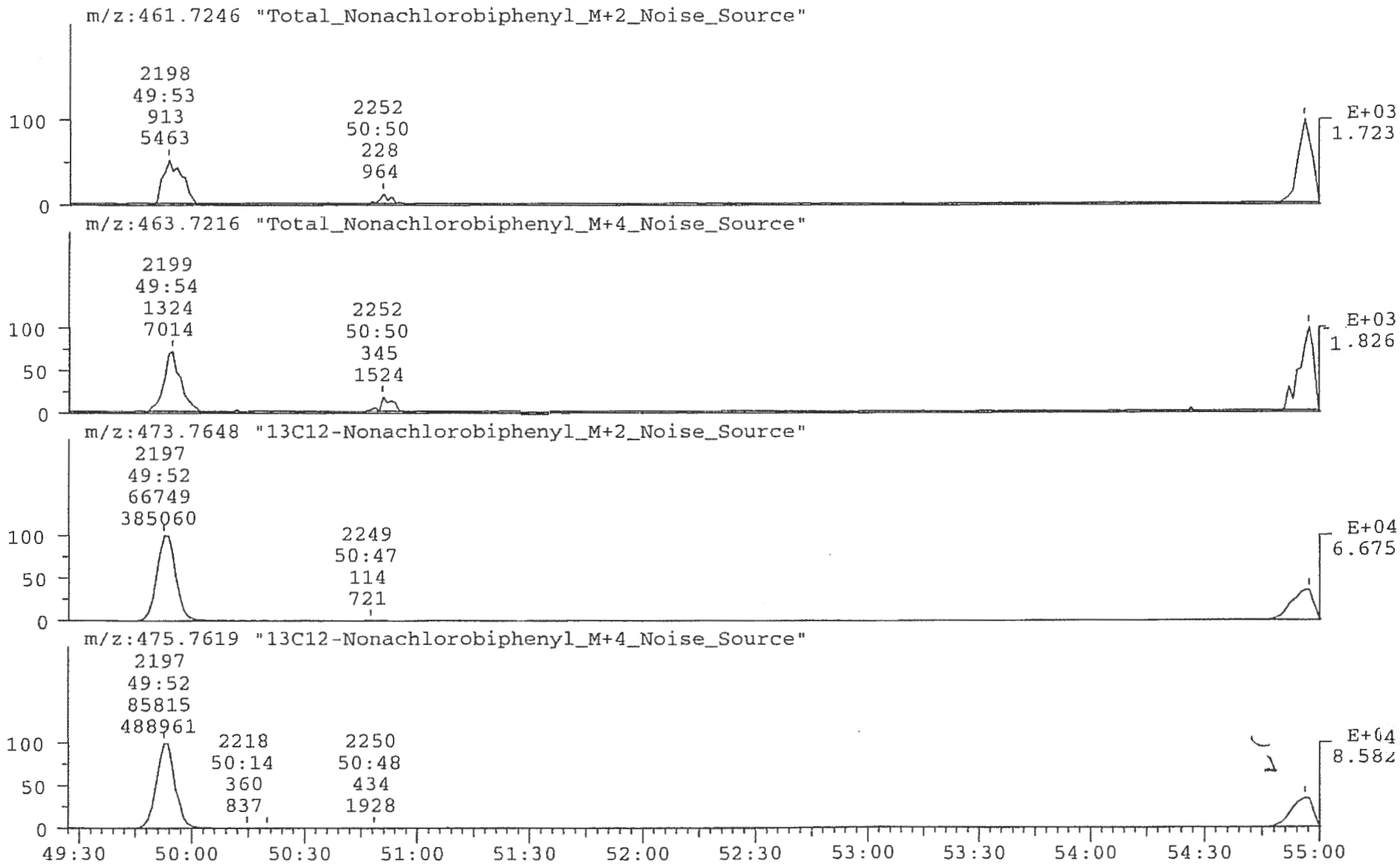
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   2077 > 2158          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



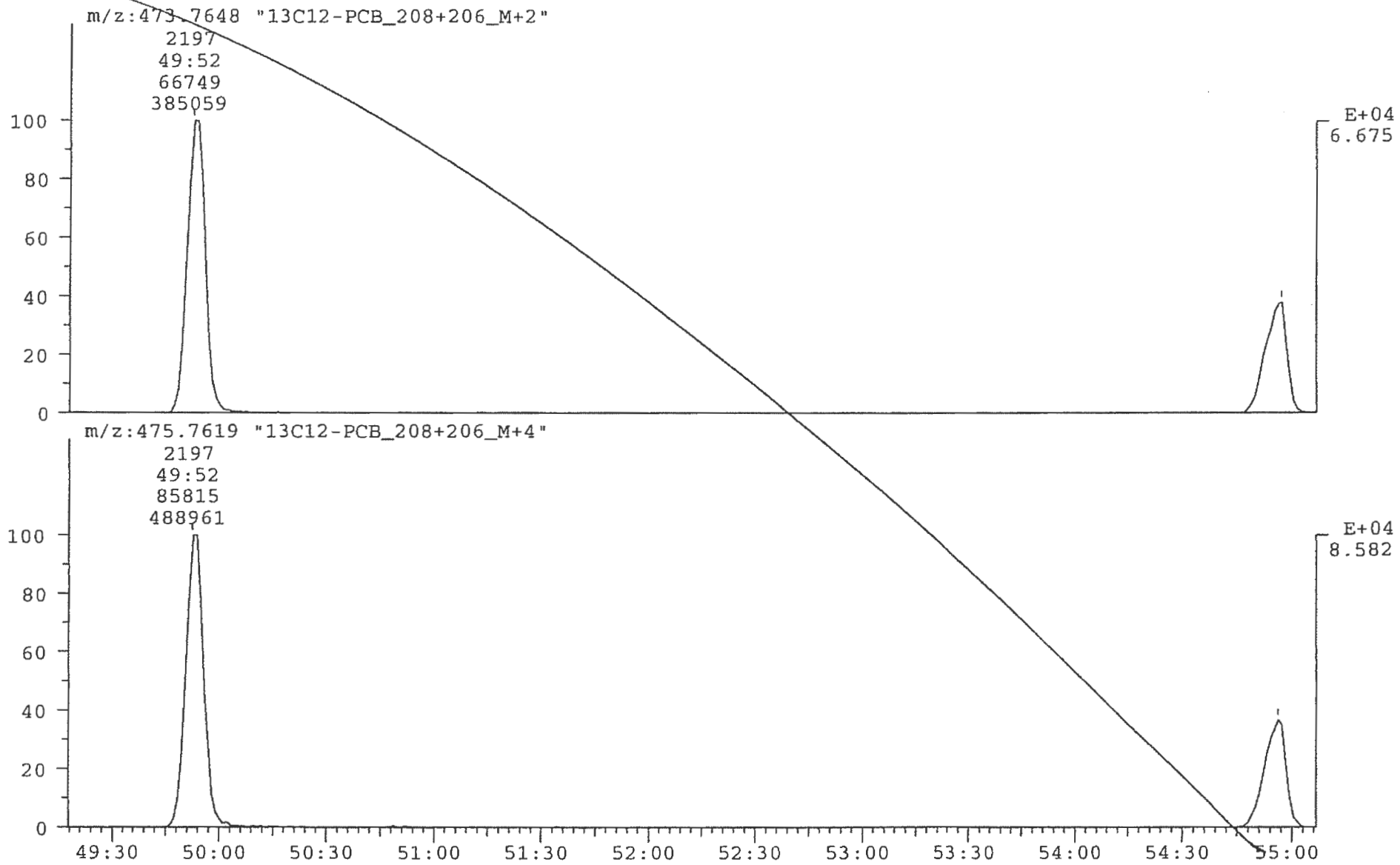
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 2205 > 2405 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



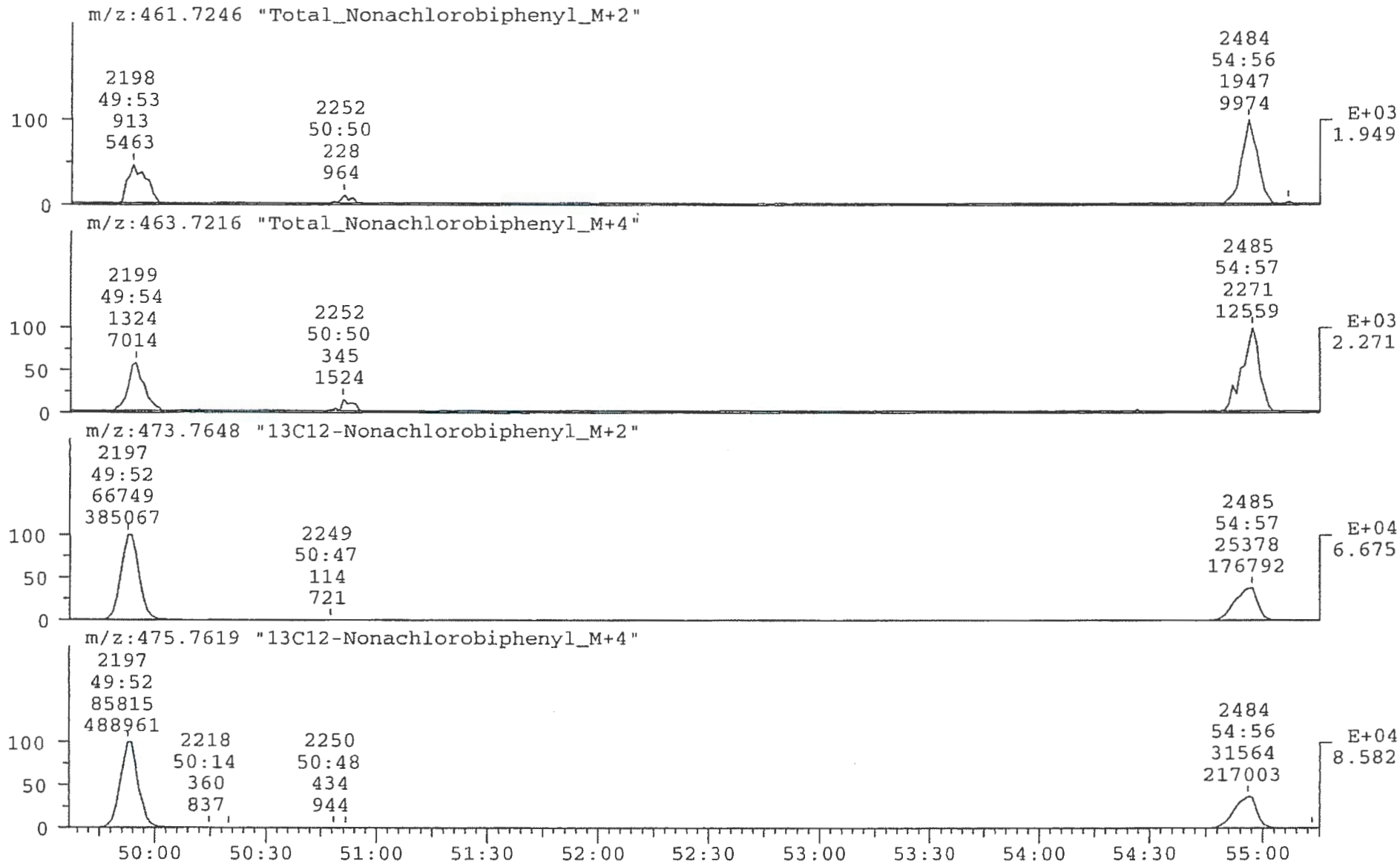
CHRO: apj7v9mx 12-Oct-07 Elapse: 52:13 2330
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 2173 > 2488 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



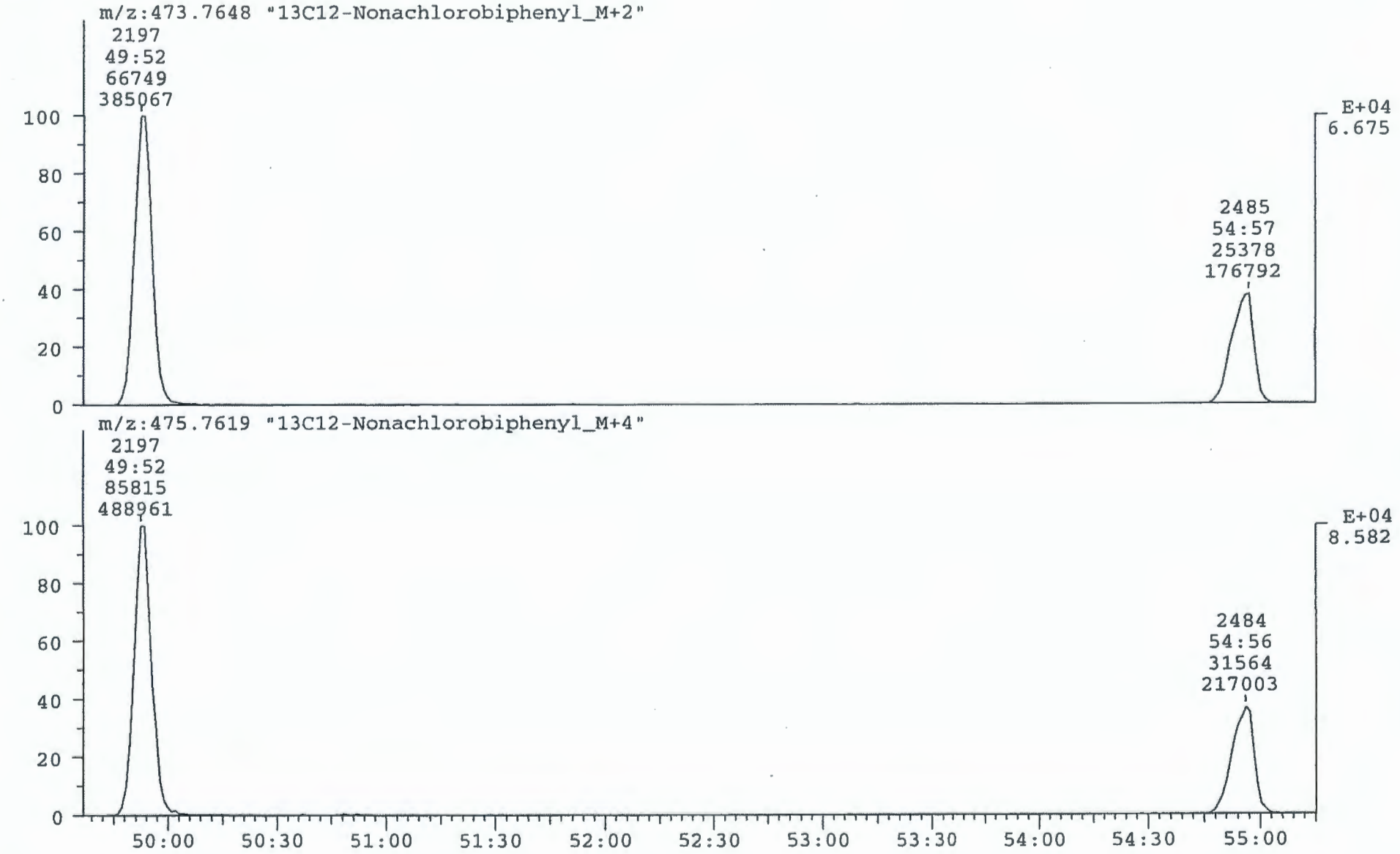
CHRO: apj7v9mx 12-Oct-07 Elapse: 52:12 2329
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 2164 > 2494 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



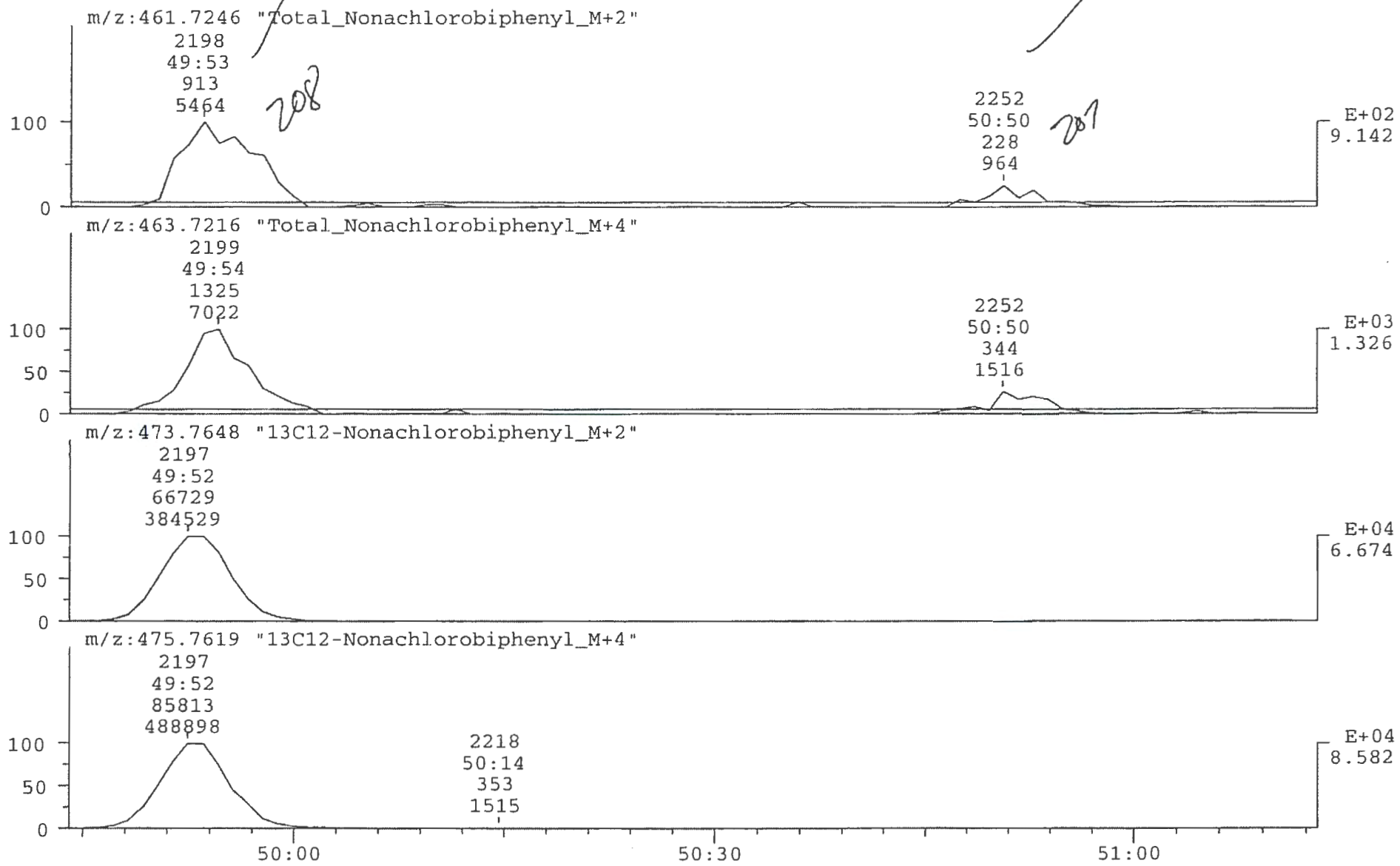
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial  13
Peak:  100.00  ppm      Label wndw:   2182 > 2502          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



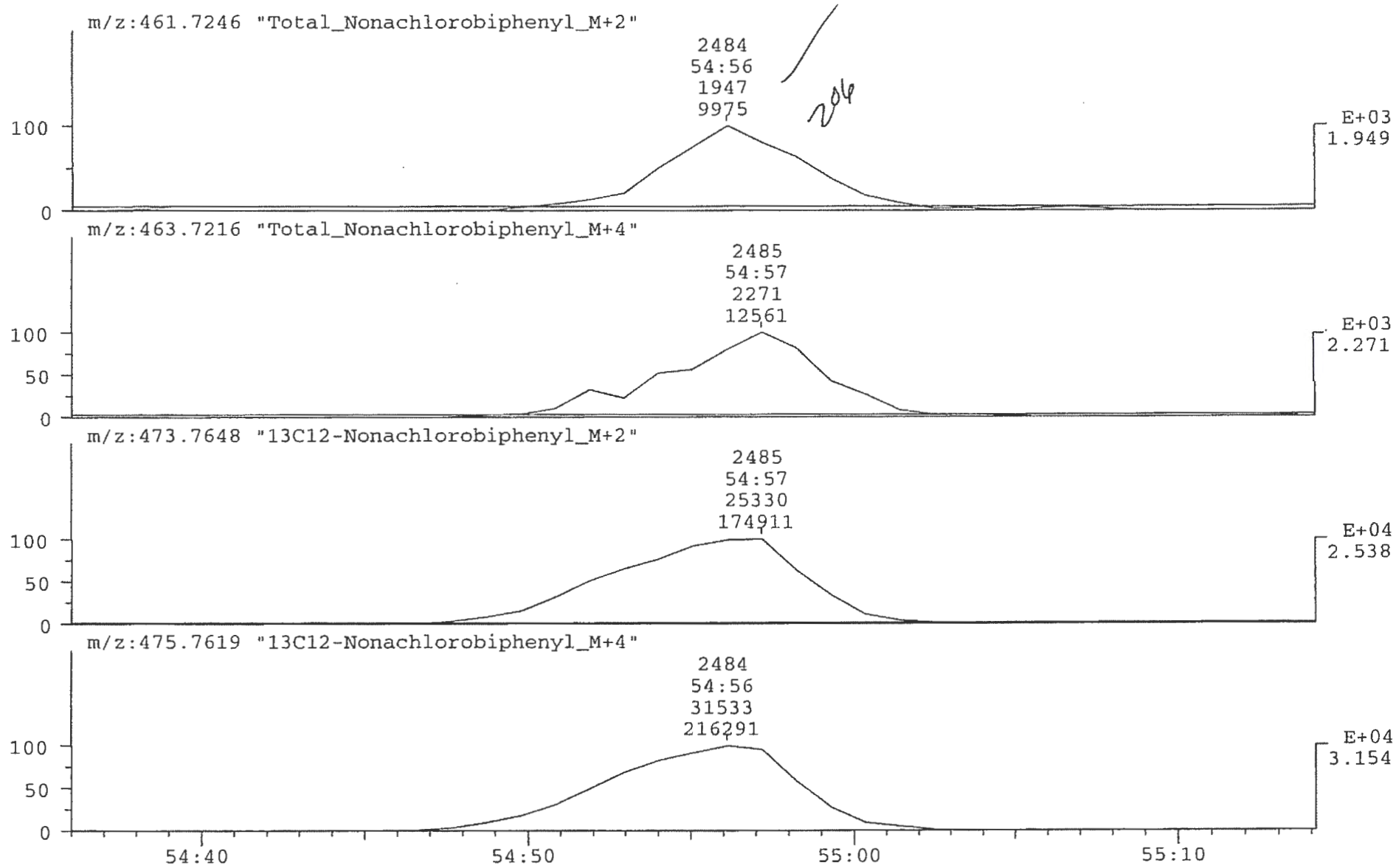
```
CHRO:  apj7v9mx                                12-Oct-07  Elapse:  40:10      1650
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                 Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X             Inlet :  GC     Vial 13
Peak:  100.00  ppm      Label wndw:   2182 > 2502         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  3, 3.0
Disp:  Height  Area
```



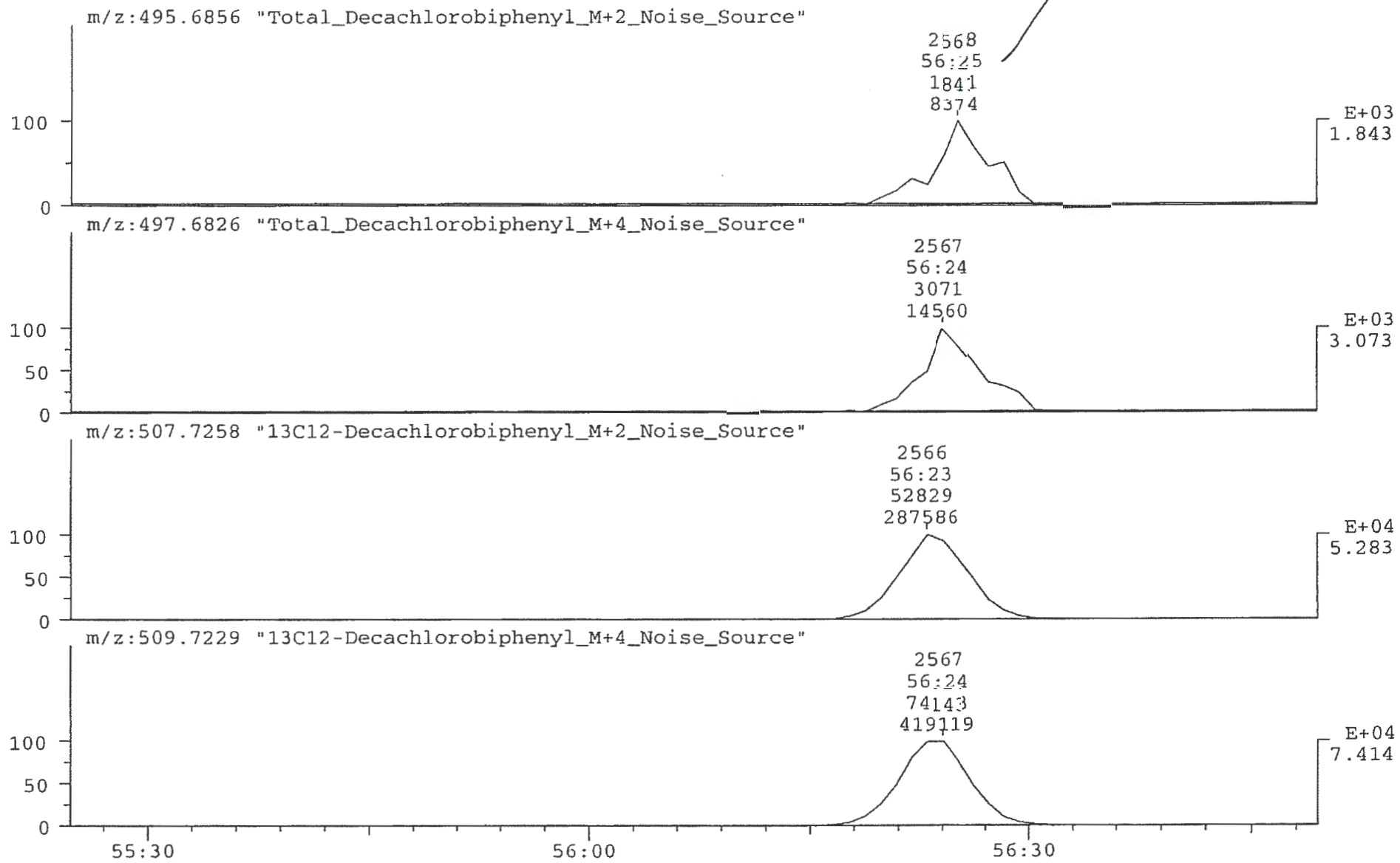
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 2189 > 2273 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



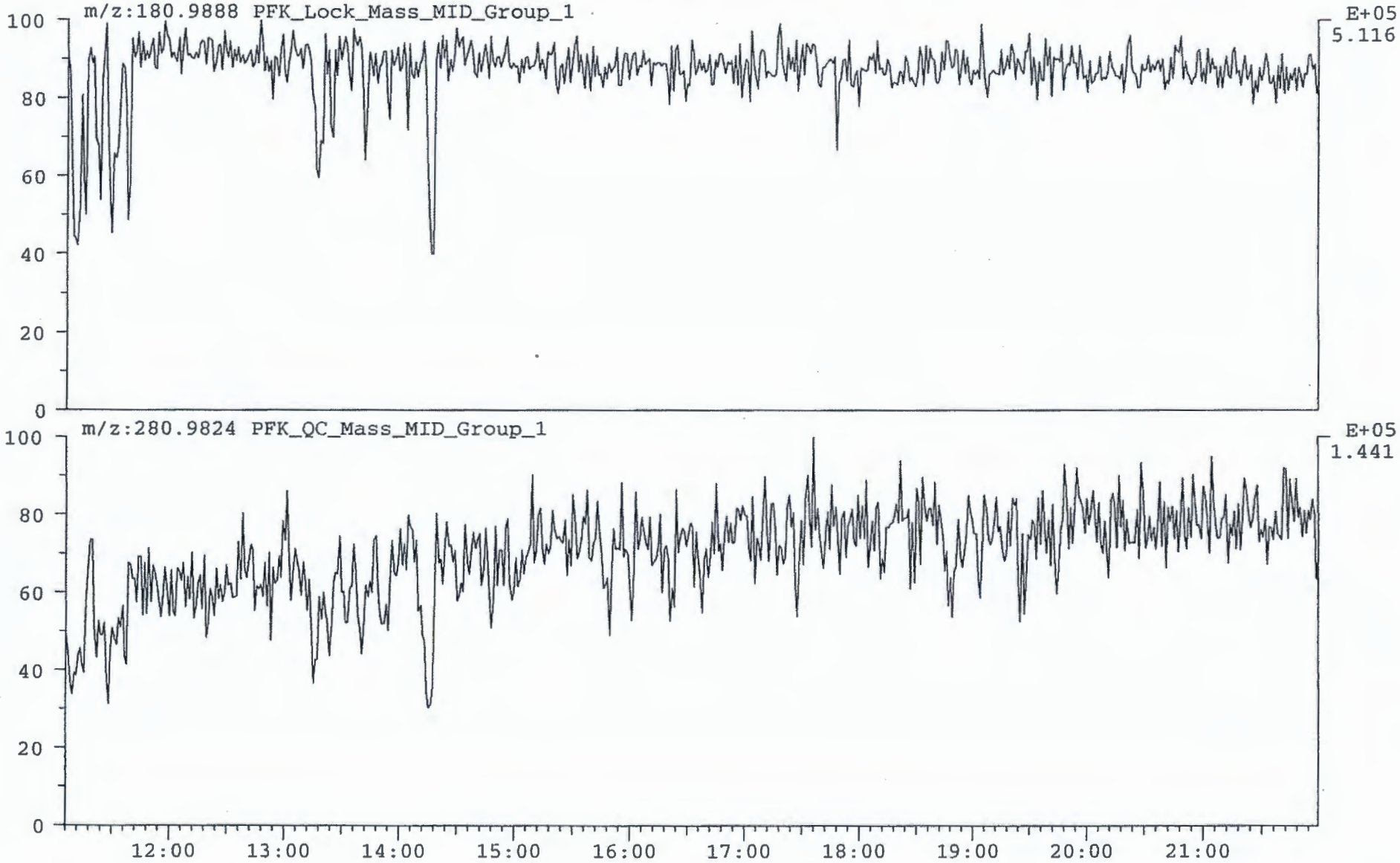
CHRO: apj7v9mx 12-Oct-07 Elapse: 40:10 1650
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 2465 > 2501 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



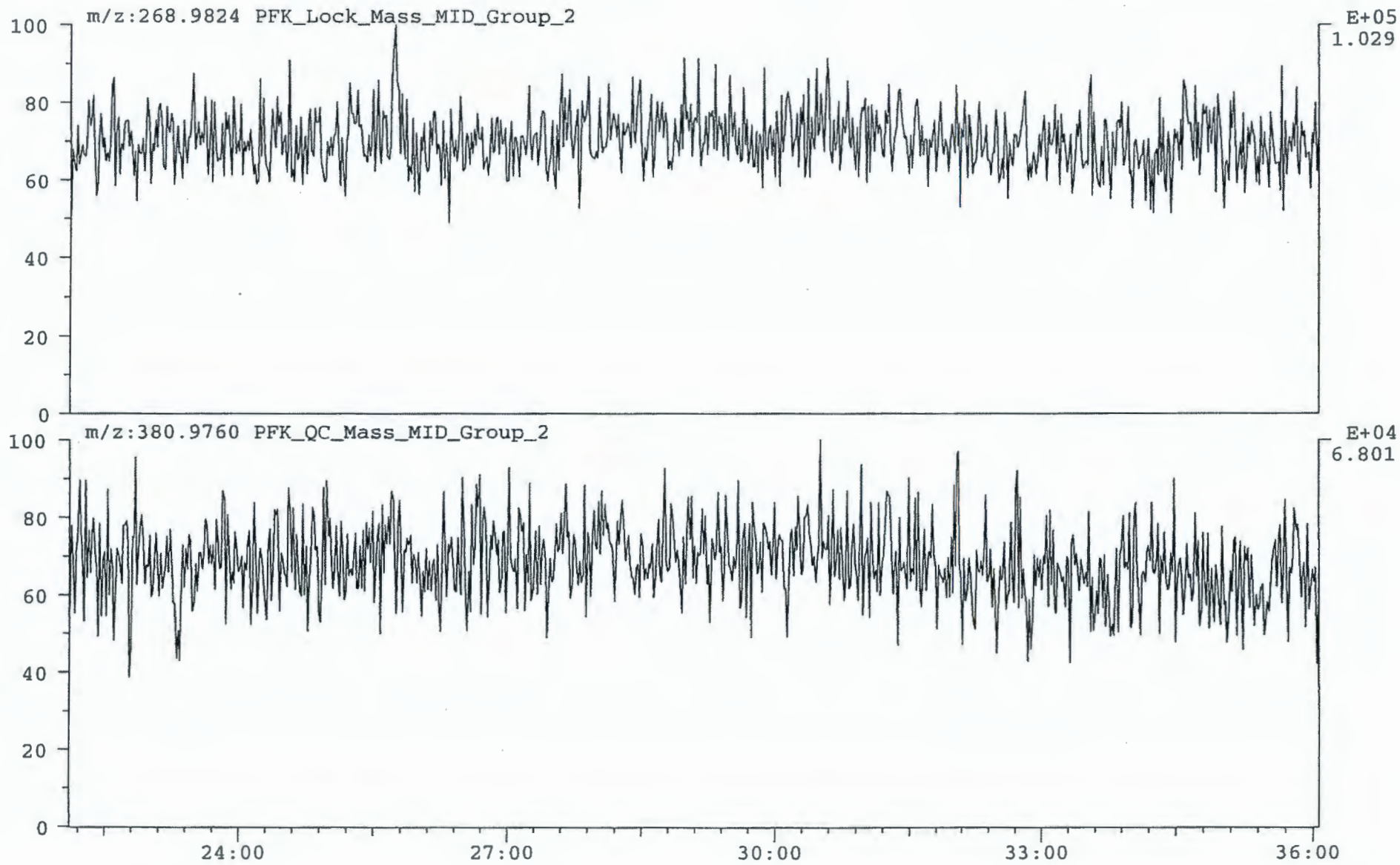
CHRO: apj7v9mx 12-Oct-07 Elapse: 56:12 2556
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 2511 > 2591 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



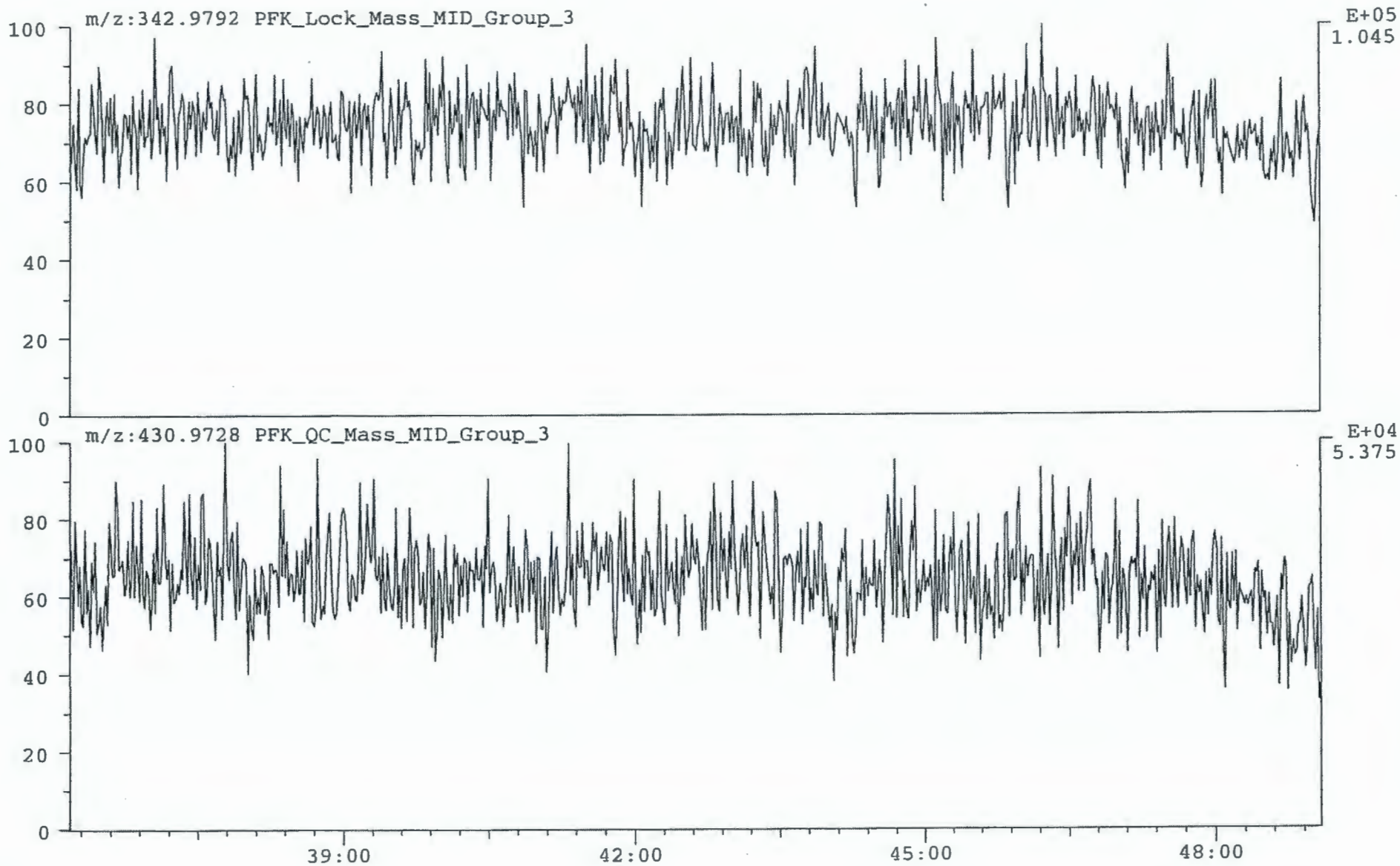
```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  56:12      2556
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial 13
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
```



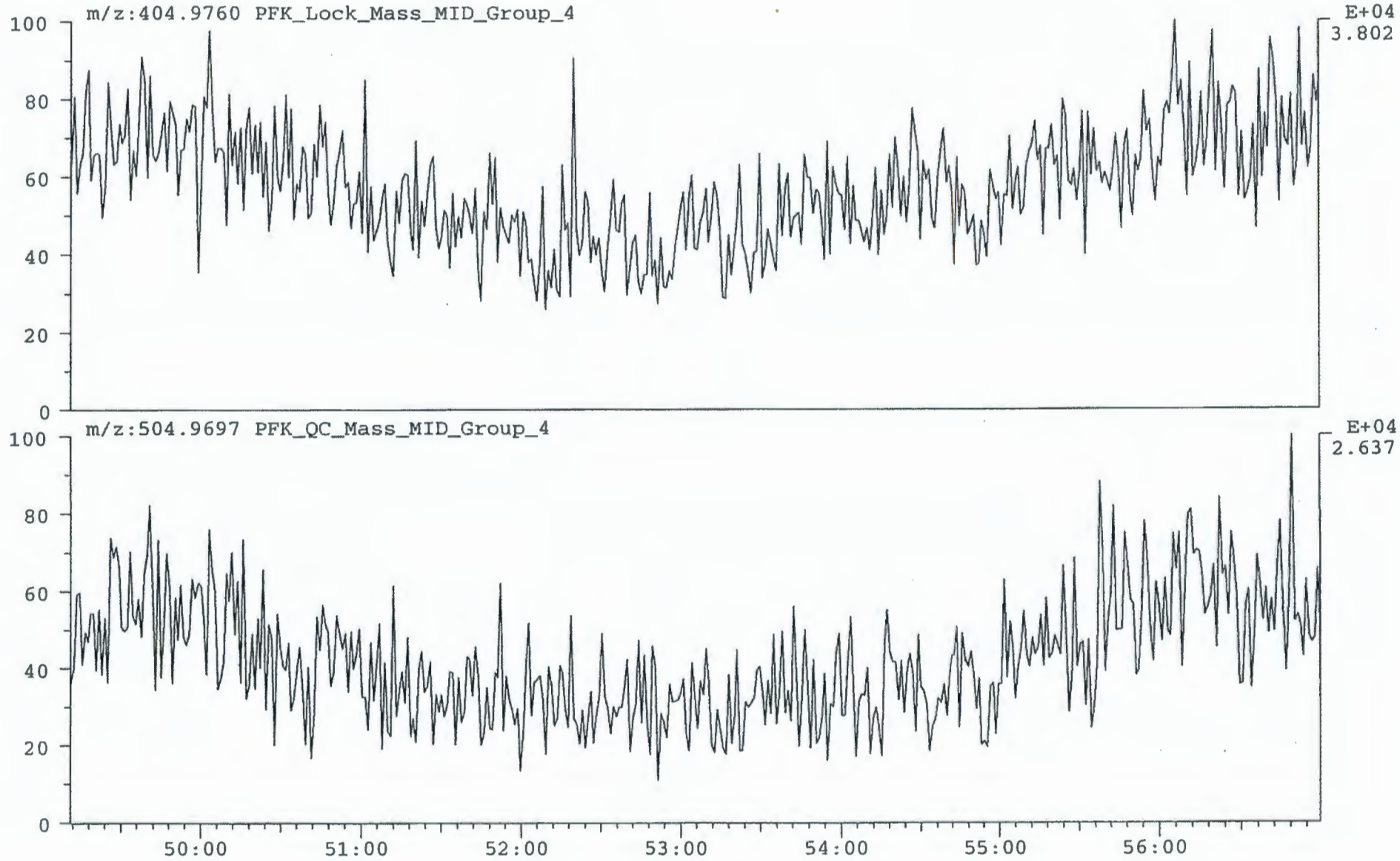
CHRO: apj7v9mx 12-Oct-07 Elapse: 56:12 2556
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 627 > 1421 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area



CHRO: apj7v9mx 12-Oct-07 Elapse: 56:12 2556
Samp: Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1 Start : 16:27:14 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-001X Inlet : GC Vial 13
Peak: 100.00 ppm Label wndw: 1424 > 2155 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area



```
CHRO:  apj7v9mx                                12-Oct-07   Elapse:  56:12      2556
Samp:  Vial 13 WO=j7v9m1ad Meth=IE5 Dil=1                  Start :  16:27:14   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-001X              Inlet :  GC     Vial 13
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: apj7v9mx
Study: 7278087 (10.0g)
Sample: WO=j7v9m1ad Meth=IE5 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: H7I280209-001X
Comments: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Injected volume: 2.00
Sample from Vial 13
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mca11.cal
File 1 of list 071012
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	14:05 min	36:05 min	1.00 sec
# 3	36:05 min	13:00 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	l	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	l	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	l	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	180.9888	BQUAD	0.0000	CAPIL	0.0000
CAPTEMP	359.9988	CAPTSET	200.0000	CCURR	3.9059
CORONA	0.0000	CYCLE	0.0000	DELAY	0.0000
DITEMP	0.1954	DITSET	0.0000	DRAW	-58.0000
DRAWC	1.0000	DRAWS	-0.0050	ECORR	0.9986
ECURR	1.0000	EDAC	7969177.0000	EDACG	1.0001
EDACR	23.0000	EDACZ	-474.0000	ELEN	70.7500
EMULT	1.8800	ENS	215.0000	ERATIO	1.0000
ESA	763.8000	ESICUR	10.0011	ESIPAR	0.0000
EXS	145.0000	FDMA	18000000.0000	FLENS	1.0000
FM	20.0000	FMII	50.0000	FQUAD	0.0000
FREQ	600.9615	FSLOPE	54000000.0000	FVANAL	317.0000
FVINLET	291.0000	FVSRC	964.0000	FWIN	0.7000
GCTC	97.0000	GCTI	270.0000	GCTL	280.0000
HACCU	156.0000	HCURR	1.4804	HVANAL	1296.0000
HVSRC	2701.0000	ICAL0	0.0011	ICAL1	0.4030
ICAL2	0.5865	IONEN	4793.6460	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	1637.0000	LENSS	83.6000
LKM	180.9888	LM	800.0000	LMASS	180.9888
LMII	500.0000	MASS	180.9888	MDAC	2349141.2750

MDACR	23.0000	MRANGE	1034.0919	MSFM	2.0000
MSLM	3790.0000	NPEAK	200.0000	NSAM	200.0000
NSCAN	110.0000	NSMAX	8.0000	NSMIN	2.0000
OCT	-2.0000	PSAM	10.0000	PUSHER	-31.0000
RDRAW	0.0000	RDRAWC	0.0000	RECURR	0.0000
RELEN	0.0000	RES	10099.9637	RFAMP	799.9987
RFCUR	100.0110	RPUSHER	0.0000	RWIN	2.0000
SACCU	2.0000	SCIDLE	1.0000	SHIELD	2312.0000
SHIELDS	0.4000	SHIGH	180.0000	SKIM	7.0000
SLOW	60.0000	SPRAY	8.0000	SS	3.0000
SW	0.0500	TANAL	420.0900	TCURR	0.8984
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	1.6400	USERVAR	0.0000	VAPTEMP	599.9997
VAPTSET	400.0000	VMASS	180.9888	XLENS	2500.0000
XLENSS	29.0000	YLENS	2047.0000	YLENSS	-70.4000

Scantype is electric
Sourcemode is EI POS

Analysis started at: 12-Oct-07 16:27:14.2

Autosampler has injected sample from vial 13
MID Time Window 1: Resolution is 9049
MID Time Window 2: Resolution is 8407
MID Time Window 3: Resolution is 9024
MID Time Window 4: Resolution is 9642
Analysis stopped at: 12-Oct-07 17:24:17.2 (run time 57.03 minutes)
Analysis stopped because MID run finished

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	Work Order #....:	J7V9Q1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/21/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	ND		0.010	0.0022	ng/g
PCB 2 (BZ)	ND		0.010	0.0037	ng/g
PCB 3 (BZ)	ND		0.010	0.010	ng/g
PCB 4 (BZ)	**0.0037**	**Q B J**	**0.020**	**0.0014**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.0011	ng/g
PCB 6 (BZ)	**0.0014**	**Q B J**	**0.010**	**0.0010**	**ng/g**
PCB 7 (BZ)	ND		0.010	0.0010	ng/g
PCB 8 (BZ)	**0.0064**	**Q B J**	**0.020**	**0.0010**	**ng/g**
PCB 9 (BZ)	ND		0.010	0.0010	ng/g
PCB 10 (BZ)	ND		0.010	0.0011	ng/g
PCB 11 (BZ)	**0.0026**	**Q B J**	**0.020**	**0.0010**	**ng/g**
PCB 12 (BZ)	ND		0.010	0.0010	ng/g
PCB 13 (BZ)	ND		0.010	0.0010	ng/g
PCB 14 (BZ)	ND		0.010	0.00089	ng/g
PCB 15 (BZ)	**0.0020**	**Q B J**	**0.010**	**0.0011**	**ng/g**
PCB 16 (BZ)	**0.0081**	**B J**	**0.010**	**0.0011**	**ng/g**
PCB 17 (BZ)	**0.017**	**B**	**0.010**	**0.00093**	**ng/g**
PCB 18 (BZ)	**0.043**	**B**	**0.020**	**0.00097**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.0010	ng/g
PCB 20 (BZ)	**0.14**	**B C**	**0.020**	**0.00060**	**ng/g**
PCB 21 (BZ)	**0.026**	**B C**	**0.010**	**0.00058**	**ng/g**
PCB 22 (BZ)	**0.019**	**B**	**0.010**	**0.00061**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00062	ng/g
PCB 24 (BZ)	ND		0.010	0.00069	ng/g
PCB 25 (BZ)	**0.0029**	**Q B J**	**0.010**	**0.00055**	**ng/g**
PCB 26 (BZ)	**0.014**	**B C**	**0.010**	**0.00059**	**ng/g**
PCB 27 (BZ)	**0.0029**	**B J**	**0.010**	**0.00063**	**ng/g**
PCB 28 (BZ)	**0.14**	**B C20**	**0.020**	**0.00060**	**ng/g**
PCB 29 (BZ)	**0.014**	**B C26**	**0.010**	**0.00059**	**ng/g**
PCB 30 (BZ)	ND		0.020	0.00066	ng/g
PCB 31 (BZ)	**0.073**	**B**	**0.020**	**0.00058**	**ng/g**
PCB 32 (BZ)	**0.0063**	**B J**	**0.010**	**0.00063**	**ng/g**
PCB 33 (BZ)	**0.026**	**B C21**	**0.010**	**0.00058**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00061	ng/g
PCB 35 (BZ)	ND		0.010	0.00062	ng/g
PCB 36 (BZ)	ND		0.010	0.00058	ng/g

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	Work Order #....:	J7V9Q1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/21/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0027	Q B J	0.010	0.00061	ng/g
PCB 38 (BZ)	ND		0.010	0.00060	ng/g
PCB 39 (BZ)	ND		0.010	0.00056	ng/g
PCB 40 (BZ)	0.034	B C	0.010	0.0011	ng/g
PCB 41 (BZ)	0.0069	Q J	0.010	0.0014	ng/g
PCB 42 (BZ)	0.033	Q	0.010	0.0012	ng/g
PCB 43 (BZ)	0.0085	B C J	0.010	0.0011	ng/g
PCB 44 (BZ)	0.19	B C	0.010	0.00099	ng/g
PCB 45 (BZ)	0.0070	B C J	0.010	0.0012	ng/g
PCB 46 (BZ)	ND		0.010	0.0014	ng/g
PCB 47 (BZ)	0.19	B C44	0.010	0.00099	ng/g
PCB 48 (BZ)	0.030		0.010	0.0011	ng/g
PCB 49 (BZ)	0.20	B	0.010	0.0010	ng/g
PCB 50 (BZ)	0.0034	Q B C J	0.010	0.0011	ng/g
PCB 51 (BZ)	0.0070	B C45 J	0.010	0.0012	ng/g
PCB 52 (BZ)	0.38	B	0.010	0.0011	ng/g
PCB 53 (BZ)	0.0034	Q B C50 J	0.010	0.0011	ng/g
PCB 54 (BZ)	ND		0.010	0.0012	ng/g
PCB 55 (BZ)	0.0095	Q J	0.010	0.00087	ng/g
PCB 56 (BZ)	0.026		0.010	0.00082	ng/g
PCB 57 (BZ)	ND		0.010	0.00085	ng/g
PCB 58 (BZ)	0.0075	J	0.010	0.00080	ng/g
PCB 59 (BZ)	0.019	B C	0.010	0.00078	ng/g
PCB 60 (BZ)	0.11		0.010	0.00085	ng/g
PCB 61 (BZ)	ND		0.020	0.00085	ng/g
PCB 62 (BZ)	0.019	B C59	0.010	0.00078	ng/g
PCB 63 (BZ)	0.022		0.010	0.00076	ng/g
PCB 64 (BZ)	0.095	B	0.010	0.00077	ng/g
PCB 65 (BZ)	0.19	B C44	0.010	0.00099	ng/g
PCB 66 (BZ)	0.49	B	0.010	0.00079	ng/g
PCB 67 (BZ)	0.0031	J	0.010	0.00079	ng/g
PCB 68 (BZ)	0.0024	Q B J	0.010	0.00076	ng/g
PCB 69 (BZ)	ND		0.010	0.00086	ng/g
PCB 70 (BZ)	0.67	B C	0.020	0.00077	ng/g
PCB 71 (BZ)	0.034	B C40	0.010	0.0011	ng/g
PCB 72 (BZ)	0.0051	Q J	0.010	0.00081	ng/g

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	Work Order #....:	J7V9Q1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/21/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0085	B C43 J	0.010	0.0011	ng/g
PCB 74 (BZ)	0.67	B C70	0.020	0.00077	ng/g
PCB 75 (BZ)	0.019	B C59	0.010	0.00078	ng/g
PCB 76 (BZ)	0.67	B C70	0.020	0.00077	ng/g
PCB 77 (BZ)	0.010		0.010	0.00083	ng/g
PCB 78 (BZ)	ND		0.010	0.00086	ng/g
PCB 79 (BZ)	0.0023	Q J	0.010	0.00074	ng/g
PCB 80 (BZ)	ND		0.010	0.00072	ng/g
PCB 81 (BZ)	ND		0.010	0.00078	ng/g
PCB 82 (BZ)	0.021		0.010	0.0021	ng/g
PCB 83 (BZ)	1.4	C	0.010	0.0016	ng/g
PCB 84 (BZ)	0.028		0.010	0.0018	ng/g
PCB 85 (BZ)	0.41	C	0.010	0.0013	ng/g
PCB 86 (BZ)	0.46	C	0.010	0.0013	ng/g
PCB 87 (BZ)	0.46	C86	0.010	0.0013	ng/g
PCB 88 (BZ)	ND		0.010	0.0017	ng/g
PCB 89 (BZ)	ND		0.010	0.0017	ng/g
PCB 90 (BZ)	1.0	B C	0.010	0.0013	ng/g
PCB 91 (BZ)	0.032	Q	0.010	0.0014	ng/g
PCB 92 (BZ)	0.22		0.010	0.0016	ng/g
PCB 93 (BZ)	ND		0.010	0.0018	ng/g
PCB 94 (BZ)	ND		0.010	0.0018	ng/g
PCB 95 (BZ)	0.22	B C	0.010	0.0015	ng/g
PCB 96 (BZ)	ND		0.010	0.0012	ng/g
PCB 97 (BZ)	0.46	C86	0.010	0.0013	ng/g
PCB 98 (BZ)	ND		0.010	0.0015	ng/g
PCB 99 (BZ)	1.4	C83	0.010	0.0016	ng/g
PCB 100 (BZ)	0.22	B C95	0.010	0.0015	ng/g
PCB 101 (BZ)	1.0	B C90	0.010	0.0013	ng/g
PCB 102 (BZ)	ND		0.010	0.0015	ng/g
PCB 103 (BZ)	ND		0.010	0.0014	ng/g
PCB 104 (BZ)	ND		0.010	0.0011	ng/g
PCB 105 (BZ)	0.87		0.010	0.00096	ng/g
PCB 106 (BZ)	ND		0.010	0.0011	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.15		0.010	0.0010	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.030	C	0.010	0.0010	ng/g

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	Work Order #....:	J7V9Q1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/21/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.46	C86	0.010	0.0013	ng/g
PCB 110 (BZ)	0.75	B C	0.010	0.0011	ng/g
PCB 111 (BZ)	ND		0.010	0.0011	ng/g
PCB 112 (BZ)	ND		0.010	0.0012	ng/g
PCB 113 (BZ)	1.0	B C90	0.010	0.0013	ng/g
PCB 114 (BZ)	0.058		0.010	0.00099	ng/g
PCB 115 (BZ)	0.75	B C110	0.010	0.0011	ng/g
PCB 116 (BZ)	0.41	C85	0.010	0.0013	ng/g
PCB 117 (BZ)	0.41	C85	0.010	0.0013	ng/g
PCB 118 (BZ)	2.5	B	0.010	0.00093	ng/g
PCB 119 (BZ)	0.46	C86	0.010	0.0013	ng/g
PCB 120 (BZ)	0.010		0.010	0.0011	ng/g
PCB 121 (BZ)	ND		0.010	0.0011	ng/g
PCB 122 (BZ)	ND		0.010	0.0011	ng/g
PCB 123 (BZ)	0.019	Q	0.010	0.00096	ng/g
PCB 124 (BZ)	0.030	C108	0.010	0.0010	ng/g
PCB 125 (BZ)	0.46	C86	0.010	0.0013	ng/g
PCB 126 (BZ)	0.0073	Q J	0.010	0.0011	ng/g
PCB 127 (BZ)	0.0025	J	0.010	0.0010	ng/g
PCB 128 (BZ)	0.66		0.010	0.0024	ng/g
PCB 129 (BZ)	3.8	B C	0.010	0.0020	ng/g
PCB 130 (BZ)	0.083		0.010	0.0026	ng/g
PCB 131 (BZ)	ND		0.010	0.0026	ng/g
PCB 132 (BZ)	0.066	B	0.010	0.0026	ng/g
PCB 133 (BZ)	0.050		0.010	0.0024	ng/g
PCB 134 (BZ)	0.014	C	0.010	0.0026	ng/g
PCB 135 (BZ)	0.22	B C	0.010	0.0018	ng/g
PCB 136 (BZ)	0.034	B	0.010	0.0015	ng/g
PCB 137 (BZ)	0.15		0.010	0.0022	ng/g
PCB 138 (BZ)	3.8	B C129	0.010	0.0020	ng/g
PCB 139 (BZ)	0.051	C	0.010	0.0022	ng/g
PCB 140 (BZ)	0.051	C139	0.010	0.0022	ng/g
PCB 141 (BZ)	0.25		0.010	0.0025	ng/g
PCB 142 (BZ)	ND		0.010	0.0025	ng/g
PCB 143 (BZ)	0.014	C134	0.010	0.0026	ng/g
PCB 144 (BZ)	0.021		0.010	0.0019	ng/g

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	Work Order #....:	J7V9Q1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/21/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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	0.0014	ng/g
PCB 146 (BZ)	0.44		0.010	0.0021	ng/g
PCB 147 (BZ)	0.17	B C	0.010	0.0022	ng/g
PCB 148 (BZ)	ND		0.010	0.0019	ng/g
PCB 149 (BZ)	0.17	B C147	0.010	0.0022	ng/g
PCB 150 (BZ)	ND		0.010	0.0014	ng/g
PCB 151 (BZ)	0.22	B C135	0.010	0.0018	ng/g
PCB 152 (BZ)	ND		0.010	0.0014	ng/g
PCB 153 (BZ)	3.6	B C	0.010	0.0017	ng/g
PCB 154 (BZ)	0.22	B C135	0.010	0.0018	ng/g
PCB 155 (BZ)	ND		0.010	0.0013	ng/g
PCB 156 (BZ)	0.32	C	0.010	0.0020	ng/g
PCB 157 (BZ)	0.32	C156	0.010	0.0020	ng/g
PCB 158 (BZ)	0.32		0.010	0.0016	ng/g
PCB 159 (BZ)	ND		0.010	0.0017	ng/g
PCB 160 (BZ)	3.8	B C129	0.010	0.0020	ng/g
PCB 161 (BZ)	ND		0.010	0.0017	ng/g
PCB 162 (BZ)	0.016		0.010	0.0017	ng/g
PCB 163 (BZ)	3.8	B C129	0.010	0.0020	ng/g
PCB 164 (BZ)	0.076		0.010	0.0018	ng/g
PCB 165 (BZ)	ND		0.010	0.0019	ng/g
PCB 166 (BZ)	0.024		0.010	0.0017	ng/g
PCB 167 (BZ)	0.086		0.010	0.0011	ng/g
PCB 168 (BZ)	3.6	B C153	0.010	0.0017	ng/g
PCB 169 (BZ)	0.0033	Q J	0.010	0.0014	ng/g
PCB 170 (BZ)	0.35		0.010	0.0015	ng/g
PCB 171 (BZ)	0.12	C	0.010	0.0014	ng/g
PCB 172 (BZ)	0.054		0.010	0.0014	ng/g
PCB 173 (BZ)	0.12	C171	0.010	0.0014	ng/g
PCB 174 (BZ)	0.028		0.010	0.0013	ng/g
PCB 175 (BZ)	0.0069	J	0.010	0.0013	ng/g
PCB 176 (BZ)	ND		0.010	0.00093	ng/g
PCB 177 (BZ)	0.052		0.010	0.0013	ng/g
PCB 178 (BZ)	0.081		0.010	0.0013	ng/g
PCB 179 (BZ)	0.029	B	0.010	0.00097	ng/g
PCB 180 (BZ)	0.77	C	0.010	0.0010	ng/g

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	Work Order #....:	J7V9Q1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/21/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0045	Q J	0.010	0.0012	ng/g
PCB 182 (BZ)	0.0038	J	0.010	0.0012	ng/g
PCB 183 (BZ)	0.23	B	0.010	0.0012	ng/g
PCB 184 (BZ)	0.0014	J	0.010	0.00099	ng/g
PCB 185 (BZ)	0.016		0.010	0.0013	ng/g
PCB 186 (BZ)	ND		0.010	0.00096	ng/g
PCB 187 (BZ)	0.39		0.010	0.0012	ng/g
PCB 188 (BZ)	ND		0.010	0.00085	ng/g
PCB 189 (BZ)	0.013		0.010	0.0013	ng/g
PCB 190 (BZ)	0.10		0.010	0.00093	ng/g
PCB 191 (BZ)	0.017		0.010	0.00095	ng/g
PCB 192 (BZ)	ND		0.010	0.0010	ng/g
PCB 193 (BZ)	0.77	C180	0.010	0.0010	ng/g
PCB 194 (BZ)	0.12		0.010	0.0024	ng/g
PCB 195 (BZ)	0.090		0.010	0.0026	ng/g
PCB 196 (BZ)	0.045		0.010	0.00098	ng/g
PCB 197 (BZ)	0.0034	Q J	0.010	0.00070	ng/g
PCB 198 (BZ)	0.098	C	0.010	0.00097	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.098	C198	0.010	0.00097	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00072	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0037	S J	0.010	0.00068	ng/g
PCB 202 (BZ)	0.039		0.010	0.00075	ng/g
PCB 203 (BZ)	0.11		0.010	0.00086	ng/g
PCB 204 (BZ)	ND		0.010	0.00072	ng/g
PCB 205 (BZ)	0.0077	J	0.010	0.0019	ng/g
PCB 206 (BZ)	0.046		0.010	0.0017	ng/g
PCB 207 (BZ)	0.0031	Q J	0.010	0.00067	ng/g
PCB 208 (BZ)	0.0063	Q J	0.010	0.00054	ng/g
PCB 209 (BZ)	0.0071	Q J	0.010	0.00068	ng/g

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	Work Order #....:	J7V9Q1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/21/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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	10	*	30 - 140
13C12-PCB 3	2.5	*	30 - 140
13C12-PCB 4	74		30 - 140
13C12-PCB 15	83		30 - 140
13C12-PCB 19	82		30 - 140
13C12-PCB 37	87		30 - 140
13C12-PCB 54	80		30 - 140
13C12-PCB 77	87		30 - 140
13C12-PCB 81	87		30 - 140
13C12-PCB 104	88		30 - 140
13C12-PCB 105	89		30 - 140
13C12-PCB 114	86		30 - 140
13C12-PCB 118	96		30 - 140
13C12-PCB 123	90		30 - 140
13C12-PCB 126	85		30 - 140
13C12-PCB 155	93		30 - 140
13C12-PCB 156	89	C	30 - 140
13C12-PCB 157	89	C	30 - 140
13C12-PCB 167	80		30 - 140
13C12-PCB 169	70		30 - 140
13C12-PCB 170	98		30 - 140
13C12-PCB 188	103		30 - 140
13C12-PCB 189	141	*	30 - 140
13C12-PCB 202	109		30 - 140
13C12-PCB 205	91		30 - 140
13C12-PCB 206	93		30 - 140
13C12-PCB 208	167	*	30 - 140
13C12-PCB 209	145	*	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	86	40 - 125
13C12-PCB 111	93	40 - 125
13C12-PCB 178	93	40 - 125

Washington Closure Hanford

Sample ID: J15J92

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 002	**Work Order #....:**	J7V9Q1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/21/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
Initial Wgt/Vol :	10 g	**Instrument ID....:**	MID	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

- * Surrogate 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.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).
- S Ion suppression.

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9Q1AA	Prep Batch	7278087	Lot No	H7I280209-002
Data File	/20071012s1/apj7v9q.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99734	Prep Exp Date	09/20/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/21/07
Analysis Time	17:28	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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								ND		0.0159
13C12-PCB 1	12:21	244635	79630	1.318	10.00	1.023991	10.24	0.102399		0.000763
13C12-PCB 3	14:36	59497	16141	1.325	10.00	0.247575	2.48	0.024757		0.000758
PCB 1 (BZ)				1.253				ND		0.00218
PCB 2 (BZ)				1.226				ND		0.00370
PCB 3 (BZ)				1.348				ND		0.00999
Total Dichlorobiphenyl		26087	7327			0.160370		0.016037	QBJ	0.0118
13C12-PCB 4	14:53	828958	263259	0.615	10.00	7.435877	74.36	0.743588		0.000995
13C12-PCB 9	16:50	1813064	502382	1.000	10.00	10.000000	100.00	1.000000		0.000612
13C12-PCB 8				1.332	5.000			ND		0.000764
13C12-PCB 15	20:54	1598927	340578	1.065	10.00	8.282331	82.82	0.828233		0.000575
PCB 4 (BZ)	14:54	3666	1034	1.212		0.036502		0.003650	QBJ	0.00142
PCB 10 (BZ)				1.326				ND		0.00113
PCB 9 (BZ)				1.445				ND		0.00104
PCB 7 (BZ)				1.432				ND		0.00105
PCB 6 (BZ)	17:19	2463	1145	1.450		0.013993		0.001399	QBJ	0.00103
PCB 5 (BZ)				1.356				ND		0.00111
PCB 8 (BZ)	17:44	11489	2998	1.477		0.064083		0.006408	QBJ	0.00101
PCB 14 (BZ)				1.687				ND		0.000888
PCB 11 (BZ)	20:17	4578	1388	1.448		0.026052		0.002605	QBJ	0.00104
PCB 13 (BZ)				1.454				ND	C12	0.00103
PCB 12 (BZ)				1.454				ND	C	0.00103
PCB 15 (BZ)	20:54	3891	761	1.233		0.019740		0.001974	QBJ	0.00108
Total Trichlorobiphenyl		610092	126980			3.542664		0.354266	BQ	0.0143
13C12-PCB 19	18:05	672758	180919	0.558	10.00	8.190494	81.90	0.819049		0.00297
13C12-PCB 32	21:20	1471115	356878	1.000	10.00	10.000000	100.00	1.000000		0.00166
13C12-PCB 31	23:36	2022115	447803	1.000	10.00	10.000000	100.00	1.000000		0.00132
13C12-PCB 28	23:52	1686613	382835	0.968	10.00	8.617826	86.18	0.861783		0.00137
13C12-PCB 37	28:00	1551610	298227	0.885	10.00	8.667814	86.68	0.866781		0.00149
PCB 19 (BZ)				1.178				ND		0.00104
PCB 30 (BZ)				1.874				ND		0.000656
PCB 18 (BZ)	19:58	36271	10152	1.262		0.427157		0.042716	B	0.000974
PCB 17 (BZ)	20:21	15042	3632	1.326		0.168623		0.016862	B	0.000928
PCB 27 (BZ)	20:37	3794	1225	1.945		0.028993		0.002899	BJ	0.000632
PCB 24 (BZ)				1.782				ND		0.000690
PCB 16 (BZ)	20:55	6288	1456	1.157		0.080760		0.008076	BJ	0.00106
PCB 32 (BZ)	21:21	8289	2127	1.966		0.062656		0.006266	BJ	0.000625
PCB 34 (BZ)				1.216				ND		0.000614
PCB 23 (BZ)				1.208				ND		0.000618
PCB 29 (BZ)	23:03	27611	6788	1.265		0.140702		0.014070	BC26	0.000590
PCB 26 (BZ)		27611		1.265		0.140702		0.014070	BC	0.000590
PCB 25 (BZ)	23:18	6045	1536	1.362		0.028616		0.002862	QBJ	0.000548
PCB 31 (BZ)	23:37	145465	30831	1.285		0.729332		0.072933	B	0.000580
PCB 28 (BZ)	23:54	269293	56357	1.238		1.401560		0.140156	BC20	0.000602
PCB 20 (BZ)		269293		1.238		1.401560		0.140156	BC	0.000602
PCB 21 (BZ)		51644		1.276		0.260927		0.026093	BC	0.000585
PCB 33 (BZ)	24:11	51644	11233	1.276		0.260927		0.026093	BC21	0.000585
PCB 22 (BZ)	24:36	35129	7361	1.218		0.185854		0.018585	B	0.000612
PCB 36 (BZ)				1.286				ND		0.000580

BFW 10/15/07 DCG 10/16/07

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9Q1AA	Prep Batch	7278087	Lot No	H7I280209-002
Data File	/20071012s1/apj7v9q.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99734	Prep Exp Date	09/20/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/21/07
Analysis Time	17:28	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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		0.000561
PCB 38 (BZ)				1.246				ND		0.000599
PCB 35 (BZ)				1.195				ND		0.000624
PCB 37 (BZ)	27:58	5221	1070	1.224		0.027483		0.002748	QBJ	0.000609
Total Tetrachlorobiphenyl		3488072	613623			23.801968		2.380197	QB	0.0299
13C12-PCB 54	21:15	700871	160963	0.598	10.00	7.972595	79.73	0.797260		0.00111
13C12-PCB 52	25:42	1114981	246584	1.000	10.00	10.000000	100.00	1.000000		0.000963
13C12-PCB 79				1.089	5.000			ND		0.000921
13C12-PCB 81	34:43	1251932	232364	1.286	10.00	8.728350	87.28	0.872835		0.000749
13C12-PCB 77	35:20	1258101	241590	1.297	10.00	8.698537	86.99	0.869854		0.000743
PCB 54 (BZ)				1.211				ND		0.00123
PCB 50 (BZ)	23:23	3981	922	0.927		0.034223		0.003422	QBCJ	0.00109
PCB 53 (BZ)		3981		0.927		0.034223		0.003422	QBC50J	0.00109
PCB 45 (BZ)	24:04	7495	1640	0.857		0.069669		0.006967	BCJ	0.00118
PCB 51 (BZ)		7495		0.857		0.069669		0.006967	BC45J	0.00118
PCB 46 (BZ)				0.706				ND		0.00143
PCB 52 (BZ)	25:43	447312	100016	0.926		3.849287		0.384929	B	0.00109
PCB 73 (BZ)		10193		0.957		0.084836		0.008484	BC43J	0.00106
PCB 43 (BZ)	25:57	10193	1878	0.957		0.084836		0.008484	BCJ	0.00106
PCB 69 (BZ)				1.180				ND		0.000858
PCB 49 (BZ)	26:12	251897	53110	1.005		1.996473		0.199647	B	0.00101
PCB 48 (BZ)	26:29	32856	6771	0.886		0.295495		0.029550		0.00114
PCB 65 (BZ)		249351		1.024		1.940768		0.194077	BC44	0.000989
PCB 47 (BZ)	26:47	249351	35671	1.024		1.940768		0.194077	BC44	0.000989
PCB 44 (BZ)		249351		1.024		1.940768		0.194077	BC	0.000989
PCB 62 (BZ)	27:01	30846	3882	1.297		0.189569		0.018957	BC59	0.000781
PCB 75 (BZ)		30846		1.297		0.189569		0.018957	BC59	0.000781
PCB 59 (BZ)		30846		1.297		0.189569		0.018957	BC	0.000781
PCB 42 (BZ)	27:18	36120	7087	0.860		0.334822		0.033482	Q	0.00118
PCB 41 (BZ)	27:44	6237	1517	0.723		0.068707		0.006871	QJ	0.00140
PCB 71 (BZ)	27:48	40353	8538	0.953		0.337302		0.033730	BC40	0.00106
PCB 40 (BZ)		40353		0.953		0.337302		0.033730	BC	0.00106
PCB 64 (BZ)	28:01	156415	32372	1.313		0.949215		0.094921	B	0.000771
PCB 72 (BZ)	28:43	7995	1395	1.257		0.050675		0.005067	QJ	0.000806
PCB 68 (BZ)	29:01	3935	1064	1.327		0.023624		0.002362	QBJ	0.000763
PCB 57 (BZ)				1.194				ND		0.000848
PCB 58 (BZ)	29:42	11933	2420	1.260		0.075483		0.007548	J	0.000804
PCB 67 (BZ)	29:54	4961	1140	1.286		0.030729		0.003073	J	0.000787
PCB 63 (BZ)	30:07	36784	7760	1.339		0.218944		0.021894		0.000757
PCB 61 (BZ)				1.190				ND		0.000851
PCB 70 (BZ)	30:32	1114553	201505	1.317		6.742795		0.674279	BC	0.000769
PCB 76 (BZ)		1114553		1.317		6.742795		0.674279	BC70	0.000769
PCB 74 (BZ)		1114553		1.317		6.742795		0.674279	BC70	0.000769
PCB 66 (BZ)	30:51	791334	147529	1.289		4.890733		0.489073	B	0.000786
PCB 55 (BZ)	31:03	13886	2558	1.161		0.095343		0.009534	QJ	0.000873
PCB 56 (BZ)	31:37	39702	8429	1.231		0.257012		0.025701		0.000823
PCB 60 (BZ)	31:48	170528	31757	1.191		1.140901		0.114090		0.000850
PCB 80 (BZ)				1.416				ND		0.000715
PCB 79 (BZ)	33:42	3933	924	1.371		0.022862		0.002286	QJ	0.000739

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9Q1AA	Prep Batch	7278087	Lot No	H7I280209-002
Data File	/20071012s1/apj7v9q.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99734	Prep Exp Date	09/20/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/21/07
Analysis Time	17:28	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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		0.000857
PCB 81 (BZ)				1.317				ND		0.000784
PCB 77 (BZ)	35:22	15471	2751	1.200		0.102502		0.010250		0.000828
Total Pentachlorobiphenyl		11053286	1499408			81.860435		8.186043	BQ	0.0419
13C12-PCB 104	26:37	1130747	251539	1.260	10.00	8.783392	87.83	0.878339		0.00112
13C12-PCB 95				0.741	5.000			ND		0.00158
13C12-PCB 101	32:31	1021922	208300	1.000	10.00	10.000000	100.00	1.000000		0.00142
13C12-PCB 111	35:07	1170087	243745	1.229	10.00	9.316343	93.16	0.931634		0.00115
13C12-PCB 123	37:10	1466540	288700	0.955	10.00	9.031412	90.31	0.903141		0.000945
13C12-PCB 118	37:29	1607622	310647	0.988	10.00	9.564549	95.65	0.956455		0.000913
13C12-PCB 114	38:02	1417418	266255	0.971	10.00	8.582876	85.83	0.858288		0.000929
13C12-PCB 105	38:46	1420092	270680	0.941	10.00	8.869312	88.69	0.886931		0.000958
13C12-PCB 127	40:06	1701200	327080	1.000	10.00	10.000000	100.00	1.000000		0.000902
13C12-PCB 126	41:50	1420098	263277	0.978	10.00	8.536921	85.37	0.853692		0.000922
PCB 104 (BZ)				1.149				ND		0.00109
PCB 96 (BZ)				1.014				ND		0.00124
PCB 103 (BZ)				0.866				ND		0.00145
PCB 94 (BZ)				0.703				ND		0.00178
PCB 95 (BZ)	29:41	218219	43835	0.859		2.247368		0.224737	BC	0.00146
PCB 100 (BZ)		218219		0.859		2.247368		0.224737	BC95	0.00146
PCB 93 (BZ)				0.701				ND		0.00179
PCB 102 (BZ)				0.822				ND	C98	0.00152
PCB 98 (BZ)				0.822				ND	C	0.00152
PCB 88 (BZ)				0.723				ND		0.00173
PCB 91 (BZ)	30:31	30807	7247	0.864		0.315411		0.031541	Q	0.00145
PCB 84 (BZ)	30:51	21719	4811	0.679		0.282730		0.028273		0.00184
PCB 89 (BZ)				0.717				ND		0.00175
PCB 121 (BZ)				1.105				ND		0.00113
PCB 92 (BZ)	31:57	192645	38069	0.772		2.205862		0.220586		0.00162
PCB 113 (BZ)	32:32	1152444	231868	0.990		10.298648		1.029865	BC90	0.00127
PCB 90 (BZ)		1152444		0.990		10.298648		1.029865	BC	0.00127
PCB 101 (BZ)		1152444		0.990		10.298648		1.029865	BC90	0.00127
PCB 83 (BZ)	33:05	1234711	239266	0.777		14.059604		1.405960	C	0.00161
PCB 99 (BZ)		1234711		0.777		14.059604		1.405960	C83	0.00161
PCB 112 (BZ)				1.079				ND		0.00116
PCB 109 (BZ)/108 (IUPAC)		507421		0.967		4.641659		0.464166	C86	0.00130
PCB 86 (BZ)		507421		0.967		4.641659		0.464166	C	0.00130
PCB 119 (BZ)		507421		0.967		4.641659		0.464166	C86	0.00130
PCB 97 (BZ)		507421		0.967		4.641659		0.464166	C86	0.00130
PCB 125 (BZ)	33:48	507421	65451	0.967		4.641659		0.464166	C86	0.00130
PCB 87 (BZ)		507421		0.967		4.641659		0.464166	C86	0.00130
PCB 117 (BZ)	34:17	454744	13655	0.979		4.107330		0.410733	C85	0.00128
PCB 116 (BZ)	34:25	454744	78811	0.979		4.107330		0.410733	C85	0.00128
PCB 85 (BZ)		454744		0.979		4.107330		0.410733	C	0.00128
PCB 110 (BZ)	34:36	967370	194396	1.139		7.512852		0.751285	BC	0.00110
PCB 115 (BZ)		967370		1.139		7.512852		0.751285	BC110	0.00110
PCB 82 (BZ)	34:59	14239	3293	0.605		0.208268		0.020827		0.00207
PCB 111 (BZ)				1.129				ND		0.00111
PCB 120 (BZ)	35:37	13517	2380	1.192		0.100272		0.010027		0.00105

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9Q1AA	Prep Batch	7278087	Lot No	H7I280209-002
Data File	/20071012s1/apj7v9q.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99734	Prep Exp Date	09/20/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/21/07
Analysis Time	17:28	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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)		49644		1.123		0.301343		0.030134	C108	0.00100
PCB 108 (BZ)/107 (IUPAC)	36:50	49644	11578	1.123		0.301343		0.030134	C	0.00100
PCB 107 (BZ)/109 (IUPAC)	37:04	243945	47009	1.074		1.548825		0.154882		0.00105
PCB 123 (BZ)	37:10	31753	6944	1.136		0.190590		0.019059	Q	0.000960
PCB 106 (BZ)				1.046				ND		0.00108
PCB 118 (BZ)	37:30	4309444	842397	1.094		24.509597		2.450960	B	0.000927
PCB 122 (BZ)				1.047				ND		0.00107
PCB 114 (BZ)	38:04	98621	16673	1.196		0.581703		0.058170		0.000989
PCB 105 (BZ)	38:47	1496327	288085	1.218		8.650030		0.865003		0.000955
PCB 127 (BZ)	40:08	4155	1296	1.130		0.025065		0.002506	J	0.000995
PCB 126 (BZ)	41:51	11562	2973	1.111		0.073279		0.007328	QJ	0.00108
Total Hexachlorobiphenyl		12025049	2277400			104.440519		10.444052	BQ	0.0617
13C12-PCB 155	32:08	1113693	223984	1.178	10.00	9.251984	92.52	0.925198		0.00113
13C12-PCB 153				0.833	5.000			ND		0.00196
13C12-PCB 138	40:35	1186733	239144	1.000	10.00	10.000000	100.00	1.000000		0.00116
13C12-PCB 167	43:31	1178797	239860	1.237	10.00	8.032354	80.32	0.803235		0.000938
13C12-PCB 156	44:48	2595708	271195	1.229	20.00	17.799925	89.00	1.779993		0.000944
13C12-PCB 157								ND		0.000000
13C12-PCB 169	48:03	986121	166771	1.188	10.00	6.997059	69.97	0.699706		0.000977
PCB 155 (BZ)				1.117				ND		0.00126
PCB 152 (BZ)				1.023				ND		0.00137
PCB 150 (BZ)				1.032				ND		0.00136
PCB 136 (BZ)	33:10	37103	8207	0.967		0.344681		0.034468	B	0.00146
PCB 145 (BZ)				1.021				ND		0.00138
PCB 148 (BZ)				0.749				ND		0.00188
PCB 151 (BZ)	35:25	192972	28773	0.781		2.220001		0.222000	BC135	0.00180
PCB 135 (BZ)		192972		0.781		2.220001		0.222000	BC	0.00180
PCB 154 (BZ)		192972		0.781		2.220001		0.222000	BC135	0.00180
PCB 144 (BZ)	35:59	17711	3836	0.759		0.209620		0.020962		0.00185
PCB 147 (BZ)	36:21	175214	31704	0.862		1.708342		0.170834	BC	0.00216
PCB 149 (BZ)		175214		0.862		1.708342		0.170834	BC147	0.00216
PCB 134 (BZ)	36:37	11624	2266	0.711		0.137282		0.013728	C	0.00261
PCB 143 (BZ)		11624		0.711		0.137282		0.013728	C134	0.00261
PCB 139 (BZ)	36:54	51505	9079	0.856		0.505739		0.050574	C	0.00217
PCB 140 (BZ)		51505		0.856		0.505739		0.050574	C139	0.00217
PCB 131 (BZ)				0.713				ND		0.00261
PCB 142 (BZ)				0.735				ND		0.00253
PCB 132 (BZ)	37:43	56014	11202	0.710		0.662697		0.066270	B	0.00262
PCB 133 (BZ)	38:02	45926	10153	0.768		0.502208		0.050221		0.00242
PCB 165 (BZ)				0.993				ND		0.00187
PCB 146 (BZ)	38:40	452567	90649	0.874		4.352316		0.435232		0.00213
PCB 161 (BZ)				1.090				ND		0.00171
PCB 153 (BZ)	39:16	4592242	912838	1.068		36.112604		3.611260	BC	0.00174
PCB 168 (BZ)		4592242		1.068		36.112604		3.611260	BC153	0.00174
PCB 141 (BZ)	39:32	224526	39381	0.756		2.496148		0.249615		0.00246
PCB 130 (BZ)	39:59	69852	13662	0.708		0.828454		0.082845		0.00262
PCB 137 (BZ)	40:09	146391	28108	0.835		1.472921		0.147292		0.00223
PCB 164 (BZ)	40:20	93626	17833	1.033		0.761405		0.076140		0.00180
PCB 138 (BZ)	40:37	4150859	816347	0.922		37.826005		3.782601	BC129	0.00202

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9Q1AA	Prep Batch	7278087	Lot No	H7I280209-002
Data File	/20071012s1/apj7v9q.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99734	Prep Exp Date	09/20/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/21/07
Analysis Time	17:28	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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)		4150859		0.922		37.826005		3.782601	BC129	0.00202
PCB 129 (BZ)		4150859		0.922		37.826005		3.782601	BC	0.00202
PCB 160 (BZ)		4150859		0.922		37.826005		3.782601	BC129	0.00202
PCB 158 (BZ)	40:58	450346	87597	1.191		3.176612		0.317661		0.00156
PCB 166 (BZ)	41:49	31925	6528	1.102		0.243373		0.024337		0.00169
PCB 128 (BZ)	41:58	608364	118519	0.769		6.648455		0.664845		0.00242
PCB 159 (BZ)				1.079				ND		0.00172
PCB 162 (BZ)	43:04	20380	4064	1.079		0.158719		0.015872		0.00172
PCB 167 (BZ)	43:32	115935	22434	1.150		0.855046		0.085505		0.00114
PCB 156 (BZ)	44:45	475642	73853	1.151		3.185085		0.318509	C	0.00202
PCB 157 (BZ)		475642		1.151		3.185085		0.318509	C156	0.00202
PCB 169 (BZ)	47:59	4325	844	1.337		0.032807		0.003281	QJ	0.00141
Total Heptachlorobiphenyl		2426365	275601			22.794077		2.279408	BQ	0.0254
13C12-PCB 188	37:51	1296425	270175	1.238	10.00	10.283439	102.83	1.028344		0.00108
13C12-PCB 178	40:56	816419	162623	0.863	10.00	9.289997	92.90	0.929000		0.00155
13C12-PCB 180	46:02	1018217	189083	1.000	10.00	10.000000	100.00	1.000000		0.00134
13C12-PCB 170	47:23	814497	152012	0.813	10.00	9.833426	98.33	0.983343		0.00164
13C12-PCB 189	50:34	1104704	167290	1.620	10.00	14.088958	140.89	1.408896		0.00252
PCB 188 (BZ)				1.071				ND		0.000847
PCB 179 (BZ)	38:22	36753	7830	1.200		0.290220		0.029022	B	0.000967
PCB 184 (BZ)	38:45	1741	552	1.178		0.013999		0.001400	J	0.000985
PCB 176 (BZ)				1.252				ND		0.000927
PCB 186 (BZ)				1.214				ND		0.000956
PCB 178 (BZ)	40:58	76243	17047	0.889		0.812252		0.081225		0.00131
PCB 175 (BZ)	41:33	6735	1193	0.920		0.069352		0.006935	J	0.00126
PCB 187 (BZ)	41:51	420194	85857	1.009		3.946321		0.394632		0.00115
PCB 182 (BZ)	42:01	3927	1031	0.972		0.038282		0.003828	J	0.00119
PCB 183 (BZ)	42:27	228203	45798	0.946		2.285142		0.228514	B	0.00123
PCB 185 (BZ)	42:37	15591	3318	0.919		0.160753		0.016075		0.00126
PCB 174 (BZ)	42:49	27293	5415	0.924		0.279844		0.027984		0.00126
PCB 177 (BZ)	43:14	48482	9693	0.880		0.522276		0.052228		0.00132
PCB 181 (BZ)	43:33	4662	1197	0.975		0.045312		0.004531	QJ	0.00119
PCB 171 (BZ)		106262		0.835		1.205678		0.120568	C	0.00139
PCB 173 (BZ)	43:51	106262	20597	0.835		1.205678		0.120568	C171	0.00139
PCB 172 (BZ)	45:25	47639	9919	0.838		0.538482		0.053848		0.00138
PCB 192 (BZ)				1.147				ND		0.00101
PCB 193 (BZ)	46:03	926072	167208	1.134		7.737206		0.773721	C180	0.00102
PCB 180 (BZ)		926072		1.134		7.737206		0.773721	C	0.00102
PCB 191 (BZ)	46:25	22132	3993	1.228		0.170792		0.017079		0.000945
PCB 170 (BZ)	47:26	304344	55544	1.058		3.533071		0.353307		0.00152
PCB 190 (BZ)	47:55	134664	24642	1.254		1.017812		0.101781		0.000926
PCB 189 (BZ)	50:35	15428	2572	1.097		0.127282		0.012728		0.00133
Total Octachlorobiphenyl		384087	70159			5.245872		0.524587	SQ	0.0132
13C12-PCB 202	43:13	1103559	216150	0.994	10.00	10.905938	109.06	1.090594		0.00101
13C12-PCB 194	52:44	483871	61910	1.000	10.00	10.000000	100.00	1.000000		0.00307
13C12-PCB 205	53:13	616953	85457	1.407	10.00	9.063697	90.64	0.906370		0.00218
PCB 202 (BZ)	43:14	42742	9561	0.993		0.390153		0.039015		0.000746
PCB 200 (BZ)/201 (IUPAC)	44:09	4414	941	1.087		0.036797		0.003680	SJ	0.000681
PCB 204 (BZ)				1.033				ND		0.000716

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9Q1AA	Prep Batch	7278087	Lot No	H7I280209-002
Data File	/20071012s1/apj7v9q.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99734	Prep Exp Date	09/20/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/21/07
Analysis Time	17:28	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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)	45:01	3978	677	1.061		0.033967		0.003397	QJ	0.000697
PCB 199 (BZ)/200 (IUPAC)				1.031				ND		0.000718
PCB 198 (BZ)	47:59	82233	14964	0.761		0.979436		0.097944	C	0.000973
PCB 201 (BZ)/199 (IUPAC)		82233		0.761		0.979436		0.097944	C198	0.000973
PCB 196 (BZ)	48:39	37732	7128	0.752		0.454605		0.045460		0.000984
PCB 203 (BZ)	48:50	107636	20632	0.856		1.139445		0.113944		0.000865
PCB 195 (BZ)	50:17	39914	6827	0.723		0.895397		0.089540		0.00259
PCB 194 (BZ)	52:46	60779	8472	0.795		1.239361		0.123936		0.00236
PCB 205 (BZ)	53:15	4659	957	0.984		0.076711		0.007671	J	0.00190
Total Nonachlorobiphenyl		27361	4831			0.552412		0.055241	Q	0.00288
13C12-PCB 208	49:53	939817	175729	1.161	10.00	16.728379	167.28	1.672838		0.00212
13C12-PCB 206	54:55	371901	53343	0.823	10.00	9.342757	93.43	0.934276		0.00299
PCB 208 (BZ)	49:56	6048	1197	1.026		0.062705		0.006271	QJ	0.000541
PCB 207 (BZ)	50:50	2611	503	1.264		0.031499		0.003150	QJ	0.000673
PCB 206 (BZ)	54:57	18702	3131	1.097		0.458208		0.045821		0.00167
13C12-PCB 209	56:24	651430	116481	0.930	10.00	14.474680	144.75	1.447468		0.00187
PCB 209 (BZ)	56:24	4629	979	1.006		0.070655		0.007066	QJ	0.000683

STL - Knoxville

IsoCalc Preliminary Peak Report

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

IsoCalc

Workorder	J7V9Q1AA	Prep Batch	7278087	Lot No	H7I280209-002
Data File	/20071012s1/apj7v9q.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99734	Prep Exp Date	09/20/08	Date Received	09/28/07
Analysis Date	10/12/07 17:28	Matrix	BIOLOGIC	Date Sampled	09/21/07
Anal Exp Date	10/04/08	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	88	130	35	52	0.67 *	/	
200					200.0795	202.0766	200.0795	202.0766	2.66-3.60		
	Noise	00:00	00:00	0	138	368	55	147	0.37 *	/	
	13C12-PCB 1	12:21	12:21	0	183499	61136	60937	18693	3.00	AVV/AVV	
	13C12-PCB 3	14:36	14:34	2	45091	14406	12233	3908	3.13	ABV/ABB	M
222					222.0003	223.9974	222.0003	223.9974	1.33-1.79		
	Noise	00:00	00:00	0	133	320	53	128	0.41 *	/	
	PCB 4 (BZ)	14:54	14:52	2	2234	4094	630	1222	0.55 *	MBB/ABB	R
	PCB 6 (BZ)	17:19	17:16	3	1501	3680	698	1171	0.41 *	MBB/MVV	RT
	PCB 8 (BZ)	17:44	17:43	1	7001	8982	1827	1817	0.78 *	MBB/MBB	R
	PCB 11 (BZ)	20:17	20:14	3	2790	5874	846	1370	0.47 *	MBV/MBB	R
	PCB 15 (BZ)	20:54	20:51	3	2371	4584	464	1025	0.52 *	MBB/MVB	R
234					234.0406	236.0376	234.0406	236.0376	1.33-1.79		
	Noise	00:00	00:00	0	160	148	64	59	1.08 *	/	
	13C12-PCB 4	14:53	14:51	2	510306	318652	162193	101066	1.60	ABV/ABV	
	13C12-PCB 9	16:50	16:48	2	1121225	691839	309543	192839	1.62	ABV/ABV	
	13C12-PCB 15	20:54	20:51	3	985731	613196	206593	133985	1.61	ABV/ABV	
256					255.9613	257.9584	255.9613	257.9584	0.88-1.20		
	Noise	00:00	00:00	0	118	105	47	42	1.12	/	
	PCB 18 (BZ)	19:58	19:55	3	18594	17677	5190	4962	1.05	ABB/ABB	
	PCB 17 (BZ)	20:21	20:20	1	7481	7561	1629	2003	0.99	ABB/ABB	
	PCB 27 (BZ)	20:37	20:35	2	1800	1994	590	635	0.90	MBB/ABB	
	PCB 16 (BZ)	20:55	20:51	4	2987	3301	702	754	0.90	ABB/ABB	M
	PCB 32 (BZ)	21:21	21:21	0	3913	4376	1103	1024	0.89	ABB/MBB	D
	PCB 29 (BZ)	23:03	23:01	2	14004	13607	3765	3023	1.03	ABB/ABV	
	PCB 25 (BZ)	23:18	23:15	3	3082	3543	783	663	0.87 *	ABB/AVB	R
	PCB 31 (BZ)	23:37	23:36	1	75207	70258	15592	15239	1.07	ABV/ABV	
	PCB 28 (BZ)	23:54	23:52	2	137721	131572	28328	28029	1.05	AVV/AVV	
	PCB 33 (BZ)	24:11	24:10	1	26918	24726	5925	5308	1.09	AVB/AVV	
	PCB 22 (BZ)	24:36	24:34	2	18637	16492	4104	3257	1.13	ABB/ABB	
	PCB 37 (BZ)	27:58	27:59	-1	2610	2611	519	551	1.00	ABB/ABB	DT
268					268.0016	269.9986	268.0016	269.9986	0.88-1.20		
	Noise	00:00	00:00	0	360	233	144	93	1.55 *	/	
	13C12-PCB 19	18:05	18:02	3	353088	319670	94256	86663	1.10	AVV/AVV	
	13C12-PCB 32	21:20	21:19	1	764477	706638	186558	170320	1.08	ABV/AVV	
	13C12-PCB 31	23:36	23:34	2	1044518	977597	232108	215695	1.07	ABV/ABV	
	13C12-PCB 28	23:52	23:51	1	875433	811180	197554	185281	1.08	AVB/AVB	
	13C12-PCB 37	28:00	27:57	3	802853	748757	154762	143465	1.07	ABB/ABB	
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	Noise	00:00	00:00	0	113	128	45	51	0.88	/	
	PCB 50 (BZ)	23:23	23:20	3	2625	2249	695	521	1.17 *	ABB/ABB	R
	PCB 45 (BZ)	24:04	24:03	1	3526	3969	796	844	0.89 *	ABB/ABB	
	PCB 52 (BZ)	25:43	25:44	-1	201420	245892	43527	56489	0.82	ABV/ABV	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 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	J7V9Q1AA	Prep Batch	7278087	Lot No	H7I280209-002
Data File	/20071012s1/apj7v9q.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99734	Prep Exp Date	09/20/08	Date Received	09/28/07
Analysis Date	10/12/07 17:28	Matrix	BIOLOGIC	Date Sampled	09/21/07
Anal Exp Date	10/04/08	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		
	PCB 43 (BZ)	25:57	25:57	0	4076	6117	1032	846	0.67	AVV/AVV	D
	PCB 49 (BZ)	26:12	26:14	-2	108859	143038	23532	29578	0.76	AVV/AVV	D
	PCB 48 (BZ)	26:29	26:30	-1	14901	17955	3167	3604	0.83	AVV/AVV	D
	PCB 47 (BZ)	26:47	26:45	2	108318	141033	14433	21238	0.77	AVV/AVV	
	PCB 62 (BZ)	27:01	26:59	2	13653	17193	1691	2191	0.79	AVV/AVB	
	PCB 42 (BZ)	27:18	27:18	0	19018	20407	3862	4004	0.93 *	AVB/ABB	RD
	PCB 41 (BZ)	27:44	27:43	1	4586	3524	952	857	1.30 *	ABV/ABV	R
	PCB 71 (BZ)	27:48	27:48	0	18576	21777	4055	4483	0.85	AVV/AVV	D
	PCB 64 (BZ)	28:01	28:00	1	70535	85880	14462	17910	0.82	AVV/AVB	D
	PCB 72 (BZ)	28:43	28:48	-5	3478	7367	607	1412	0.47 *	ABB/ABV	RM
	PCB 68 (BZ)	29:01	29:03	-2	2025	2223	413	601	0.91 *	ABB/AVB	R
	PCB 58 (BZ)	29:42	29:46	-4	5027	6906	1215	1205	0.73	ABV/ABV	D
	PCB 67 (BZ)	29:54	29:53	1	2203	2758	543	597	0.80	AVB/AVB	
	PCB 63 (BZ)	30:07	30:11	-4	17217	19567	3572	4188	0.88	MBB/ABB	M
	PCB 70 (BZ)	30:32	30:32	0	486272	628281	85377	116128	0.77	ABV/ABV	
	PCB 66 (BZ)	30:51	30:52	-1	347695	443639	64445	83084	0.78	MVV/MVV	
	PCB 55 (BZ)	31:03	31:04	-1	6041	14827	1113	2381	0.41 *	MVV/MVV	R
	PCB 56 (BZ)	31:37	31:35	2	15618	24084	3016	5413	0.65	ABV/ABV	
	PCB 60 (BZ)	31:48	31:47	1	75847	94681	14308	17449	0.80	AVV/AVV	
	PCB 79 (BZ)	33:42	33:41	1	2349	2222	429	522	1.06 *	ABV/ABV	R
	PCB 77 (BZ)	35:22	35:19	3	6602	8869	1379	1372	0.74	ABV/MBV	
302					301.9626	303.9597	301.9626	303.9597	0.65-0.89		
	Noise	00:00	00:00	0	120	118	48	47	1.02 *	/	
	13C12-PCB 54	21:15	21:12	3	310559	390312	72311	88652	0.80	ABV/ABV	
	13C12-PCB 52	25:42	25:43	-1	486151	628830	108079	138505	0.77	ABV/ABV	
	13C12-PCB 81	34:43	34:42	1	548000	703932	101378	130986	0.78	ABV/ABV	
	Unidentified	35:07	00:00	0	6628	5100	1129	1117	1.30 *	AVB/ABB	R
	13C12-PCB 77	35:20	35:18	2	557947	700154	109307	132283	0.80	ABB/ABB	
326					325.8804	327.8775	325.8804	327.8775	1.32-1.78		
	Noise	00:00	00:00	0	158	158	63	63	1.00 *	/	
	PCB 95 (BZ)	29:41	29:44	-3	133481	84738	26876	16959	1.58	ABB/ABB	
	PCB 91 (BZ)	30:31	30:33	-2	22076	12081	5069	2842	1.83 *	ABB/ABB	R
	PCB 84 (BZ)	30:51	30:50	1	13107	8612	2906	1905	1.52	ABB/ABB	
	PCB 92 (BZ)	31:57	32:00	-3	116312	76333	23228	14841	1.52	ABB/ABB	
	PCB 113 (BZ)	32:32	32:32	0	704355	448089	142434	89434	1.57	ABV/ABV	
	PCB 83 (BZ)	33:05	33:06	-1	762209	472502	149082	90184	1.61	ABV/ABV	
	PCB 125 (BZ)	33:48	33:47	1	312948	194473	39844	25607	1.61	AVB/AVB	
	PCB 117 (BZ)	34:17	34:18	-1	40654	27223	8163	5492	1.49	ABV/ABV	
	PCB 116 (BZ)	34:25	34:22	3	239889	146978	49456	29355	1.63	AVV/AVV	
	PCB 110 (BZ)	34:36	34:37	-1	597882	369488	119513	74883	1.62	AVB/AVB	
	PCB 82 (BZ)	34:59	34:59	0	8593	5646	1812	1481	1.52	MBV/MBB	
	PCB 120 (BZ)	35:37	35:41	-4	7758	5759	1493	887	1.35	MVB/ABB	D
	PCB 108 (BZ)/107 (IUPAC	36:50	36:53	-3	30055	19589	6959	4619	1.53	ABV/ABV	
	PCB 107 (BZ)/109 (IUPAC	37:04	37:07	-3	147496	96449	29132	17877	1.53	AVV/AVV	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	J7V9Q1AA	Prep Batch	7278087	Lot No	H7I280209-002
Data File	/20071012s1/apj7v9q.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99734	Prep Exp Date	09/20/08	Date Received	09/28/07
Analysis Date	10/12/07 17:28	Matrix	BIOLOGIC	Date Sampled	09/21/07
Anal Exp Date	10/04/08	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 123 (BZ)	37:10	37:13	-3	31989	12452	6227	2723	2.57 *	AVB/AVB	RDM
	PCB 118 (BZ)	37:30	37:34	-4	2662513	1646931	515972	326425	1.62	ABV/ABV	
	PCB 114 (BZ)	38:04	38:06	-2	57383	41238	9754	6919	1.39	AVV/AVV	
	PCB 105 (BZ)	38:47	38:49	-2	926012	570315	173947	114138	1.62	ABV/ABV	
	PCB 127 (BZ)	40:08	40:12	-4	2444	1711	881	415	1.43	MBB/MBB	M
	PCB 126 (BZ)	41:51	41:51	0	9196	4534	2457	1166	2.03 *	ABV/ABV	R
338					337.9207	339.9178	337.9207	339.9178	1.32-1.78		
	Noise	00:00	00:00	0	158	138	63	55	1.15 *	/	
	13C12-PCB 104	26:37	26:39	-2	696079	434668	155071	96468	1.60	ABV/ABV	
	13C12-PCB 101	32:31	32:32	-1	635085	386837	128653	79647	1.64	ABV/ABV	
	Unidentified	33:05	00:00	0	3387	2758	329	237	1.23 *	AVV/AVB	RT
	13C12-PCB 111	35:07	35:11	-4	729267	440820	151086	92659	1.65	ABV/ABV	
	13C12-PCB 123	37:10	37:13	-3	903814	562726	178275	110425	1.61	ABV/ABV	
	13C12-PCB 118	37:29	37:32	-3	991737	615885	195222	115425	1.61	AVV/AVV	
	13C12-PCB 114	38:02	38:04	-2	879290	538128	166671	99584	1.63	AVV/AVV	
	13C12-PCB 105	38:46	38:47	-1	881281	538811	165671	105009	1.64	ABB/ABB	M
	13C12-PCB 127	40:06	40:10	-4	1061814	639386	203665	123415	1.66	ABV/AVV	M
	13C12-PCB 126	41:50	41:50	0	883705	536393	166177	97100	1.65	ABV/ABV	
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	Noise	00:00	00:00	0	173	143	69	57	1.21	/	
	PCB 136 (BZ)	33:10	33:11	-1	20992	16111	4265	3942	1.30	ABB/ABB	
	PCB 151 (BZ)	35:25	35:29	-4	105839	87133	16069	12704	1.21	ABV/ABV	
	PCB 144 (BZ)	35:59	36:03	-4	9395	8316	1954	1882	1.13	ABB/ABB	
	PCB 147 (BZ)	36:21	36:24	-3	100578	74636	18263	13441	1.35	ABV/ABB	
	PCB 134 (BZ)	36:37	36:39	-2	6440	5184	1114	1152	1.24	AVB/ABB	
	PCB 139 (BZ)	36:54	36:58	-4	28719	22786	5123	3956	1.26	ABB/ABB	
	PCB 132 (BZ)	37:43	37:46	-3	32224	23790	6629	4573	1.35	ABV/ABB	
	PCB 133 (BZ)	38:02	38:08	-6	26321	19605	5334	4819	1.34	AVB/ABB	M
	PCB 146 (BZ)	38:40	38:45	-5	247990	204577	49949	40700	1.21	ABB/ABV	M
	PCB 153 (BZ)	39:16	39:23	-7	2558771	2033471	509958	402880	1.26	ABV/ABV	M
	PCB 141 (BZ)	39:32	39:37	-5	126408	98118	22628	16753	1.29	AVB/AVV	M
	PCB 130 (BZ)	39:59	40:03	-4	39254	30598	7980	5682	1.28	ABV/ABV	M
	PCB 137 (BZ)	40:09	40:14	-5	81436	64955	16144	11964	1.25	AVV/AVV	M
	PCB 164 (BZ)	40:20	40:23	-3	51432	42194	10377	7456	1.22	AVB/AVB	
	PCB 138 (BZ)	40:37	40:41	-4	2307398	1843461	452513	363834	1.25	ABV/ABV	M
	PCB 158 (BZ)	40:58	41:02	-4	252144	198202	49517	38080	1.27	AVB/AVB	M
	PCB 166 (BZ)	41:49	41:54	-5	18347	13578	3912	2616	1.35	ABV/ABV	M
	PCB 128 (BZ)	41:58	42:01	-3	335333	273031	65445	53074	1.23	AVB/AVB	
	PCB 162 (BZ)	43:04	43:10	-6	11199	9181	1833	2231	1.22	MBV/ABV	M
	PCB 167 (BZ)	43:32	43:40	-8	62029	53906	12455	9979	1.15	ABB/ABV	M
	PCB 156 (BZ)	44:45	44:50	-5	265268	210374	40762	33091	1.26	ABV/ABV	M
	PCB 169 (BZ)	47:59	48:04	-5	3960	1931	665	377	2.05 *	AVB/AVB	RTM
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	Noise	00:00	00:00	0	150	128	60	51	1.18	/	

Notes:
P = 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	J7V9Q1AA	Prep Batch	7278087	Lot No	H7I280209-002
Data File	/20071012s1/apj7v9q.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99734	Prep Exp Date	09/20/08	Date Received	09/28/07
Analysis Date	10/12/07 17:28	Matrix	BIOLOGIC	Date Sampled	09/21/07
Anal Exp Date	10/04/08	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
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	13C12-PCB 155	32:08	32:13	-5	629288	484405	127031	96953	1.30	ABV/ABV	M
	13C12-PCB 138	40:35	40:39	-4	671272	515461	135316	103828	1.30	ABV/ABV	M
	Unidentified	40:57	00:00	0	11735	6494	1717	1709	1.81 *	AVB/AVB	R
	13C12-PCB 167	43:31	43:37	-6	662507	516290	134205	105655	1.28	ABV/ABV	M
	13C12-PCB 156	44:48	44:47	1	1459616	1136092	153556	117639	1.28	AVV/AVV	
	13C12-PCB 169	48:03	48:03	0	548528	437593	93180	73591	1.25	ABV/ABV	
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	Noise	00:00	00:00	0	123	123	49	49	1.00	/	
	PCB 179 (BZ)	38:22	38:27	-5	19016	17737	4405	3425	1.07	ABB/ABB	M
	PCB 184 (BZ)	38:45	38:51	-6	919	822	330	222	1.12	ABB/ABB	M
	PCB 178 (BZ)	40:58	41:05	-7	40479	35764	9211	7836	1.13	ABB/ABB	M
	PCB 175 (BZ)	41:33	41:42	-9	3425	3310	554	639	1.03	ABB/ABB	M
	PCB 187 (BZ)	41:51	41:59	-8	213205	206989	41352	44505	1.03	ABV/ABV	M
	PCB 182 (BZ)	42:01	42:10	-9	2079	1848	368	663	1.13	AVB/AVB	DM
	PCB 183 (BZ)	42:27	42:35	-8	118255	109948	23778	22020	1.08	ABV/ABV	M
	PCB 185 (BZ)	42:37	42:44	-7	7582	8009	1578	1740	0.95	AVV/AVV	DM
	PCB 174 (BZ)	42:49	42:54	-5	13584	13709	2844	2571	0.99	AVB/AVB	M
	PCB 177 (BZ)	43:14	43:21	-7	25048	23434	5127	4566	1.07	ABB/ABB	M
	PCB 181 (BZ)	43:33	43:41	-8	3204	2274	652	584	1.41 *	ABB/MVV	RM
	PCB 173 (BZ)	43:51	43:57	-6	53918	52344	10273	10324	1.03	ABB/ABB	M
	PCB 172 (BZ)	45:25	45:32	-7	25432	22207	5072	4847	1.15	ABB/ABB	M
	PCB 193 (BZ)	46:03	46:06	-3	476490	449582	86954	80254	1.06	ABV/ABB	D
	PCB 191 (BZ)	46:25	46:32	-7	11326	10806	2368	1625	1.05	AVB/ABB	M
	PCB 170 (BZ)	47:26	47:30	-4	153077	151267	28304	27240	1.01	ABV/ABB	M
	PCB 190 (BZ)	47:55	47:59	-4	69527	65137	12543	12099	1.07	ABB/ABB	M
	PCB 189 (BZ)	50:35	50:34	1	8073	7355	1281	1291	1.10	ABB/ABB	
406					405.8428	407.8398	405.8428	407.8398	0.89-1.21		
	Noise	00:00	00:00	0	128	125	51	50	1.02	/	
	13C12-PCB 188	37:51	37:58	-7	675071	621354	139814	130361	1.09	ABV/ABV	
	13C12-PCB 178	40:56	41:03	-7	422317	394102	84919	77704	1.07	ABV/ABV	
	13C12-PCB 180	46:02	46:08	-6	532727	485490	101483	87600	1.10	ABV/ABV	
	13C12-PCB 170	47:23	47:28	-5	417145	397352	76886	75126	1.05	ABV/ABV	
	13C12-PCB 189	50:34	50:32	2	567023	537681	85168	82122	1.05	ABV/ABB	
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	Noise	00:00	00:00	0	85	75	34	30	1.13 *	/	
	PCB 202 (BZ)	43:14	43:22	-8	19275	23467	4289	5272	0.82	ABB/ABB	M
	PCB 200 (BZ)/201 (IUPAC	44:09	44:18	-9	1947	2467	507	434	0.79	ABB/ABB	M
	PCB 197 (BZ)	45:01	45:10	-9	2405	2105	466	358	1.14 *	ABB/ABB	RM
	PCB 198 (BZ)	47:59	48:03	-4	39619	42614	7203	7761	0.93	ABB/ABB	M
	PCB 196 (BZ)	48:39	48:46	-7	16828	20904	2991	4137	0.81	ABV/ABV	M
	PCB 203 (BZ)	48:50	48:56	-6	52922	54714	10803	9829	0.97	AVB/AVB	DM
	PCB 195 (BZ)	50:17	50:18	-1	19709	20205	3401	3426	0.98	ABB/ABB	D
	PCB 194 (BZ)	52:46	52:38	8	29891	30888	4292	4180	0.97	ABB/ABB	M
	PCB 205 (BZ)	53:15	53:06	9	2285	2374	357	600	0.96	ABB/ABB	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 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 (Solid/Air Table 4)

IsoCalc

Workorder	J7V9Q1AA	Prep Batch	7278087	Lot No	H7I280209-002
Data File	/20071012s1/apj7v9q.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99734	Prep Exp Date	09/20/08	Date Received	09/28/07
Analysis Date	10/12/07 17:28	Matrix	BIOLOGIC	Date Sampled	09/21/07
Anal Exp Date	10/04/08	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

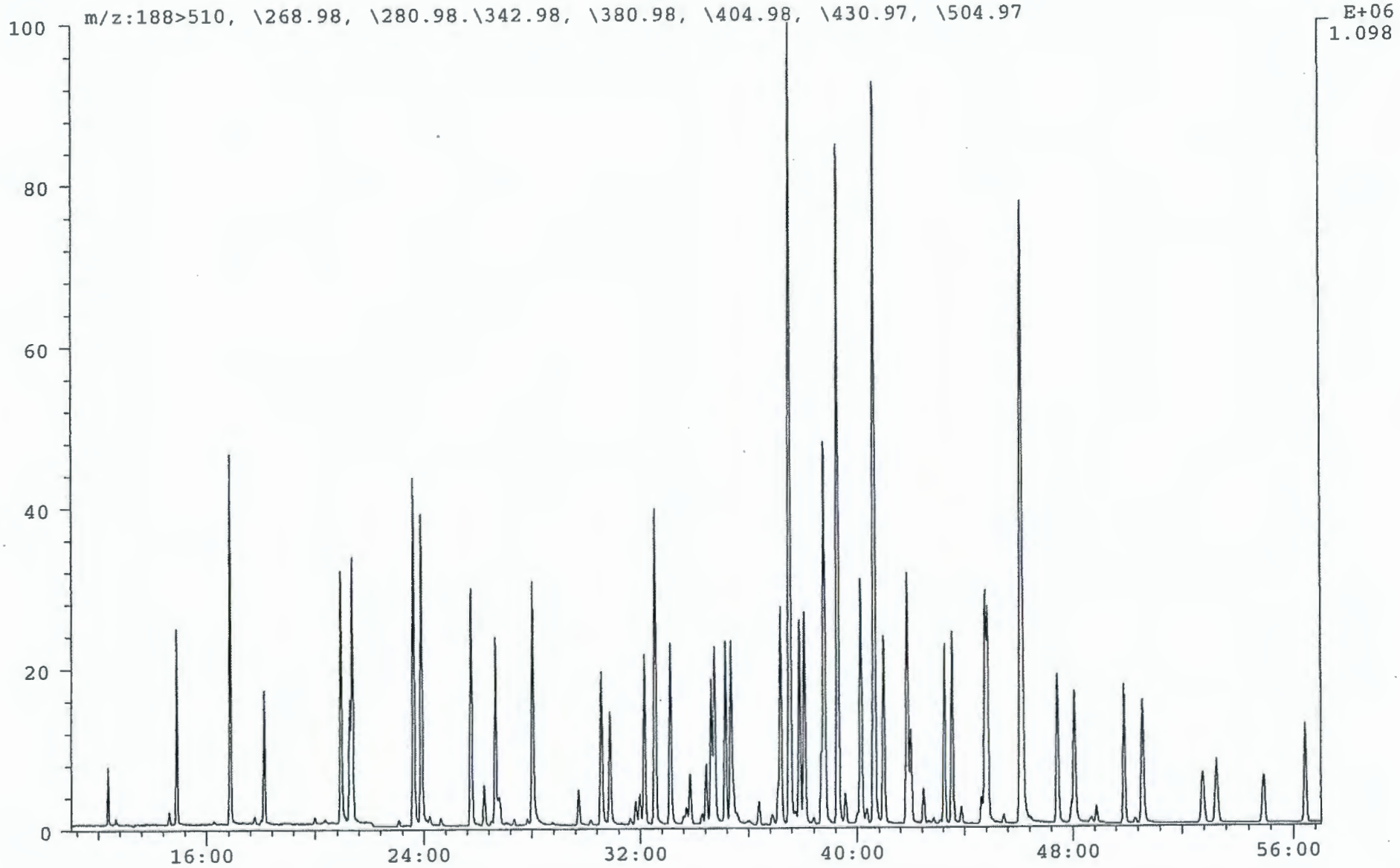
View Small Peaks? False View deleted peaks? False

Mass	Peak Name	RT	Pred RT	Δ	Area 1	Area 2	Height1	Height2	Ratio	Integration	Flags
440					439.8038	441.8008	439.8038	441.8008	0.76-1.02		
	Noise	00:00	00:00	0	83	108	33	43	0.77	/	
	13C12-PCB 202	43:13	43:21	-8	529535	574024	104070	112080	0.92	ABV/ABV	D
	13C12-PCB 194	52:44	52:37	7	231315	252556	30786	31124	0.92	ABV/ABV	
	13C12-PCB 205	53:13	53:04	9	292262	324691	40133	45324	0.90	AVV/AVV	
462					461.7246	463.7216	461.7246	463.7216	0.65-0.89		
	Noise	00:00	00:00	0	53	45	21	18	1.17 *	/	
	PCB 208 (BZ)	49:56	50:01	-5	3779	3417	677	676	1.11 *	ABB/ABB	RM
	PCB 207 (BZ)	50:50	50:57	-7	1136	2628	219	600	0.43 *	ABB/ABB	RM
	PCB 206 (BZ)	54:57	54:48	9	7880	10822	1287	1844	0.73	ABB/ABB	M
474					473.7648	475.7619	473.7648	475.7619	0.65-0.89		
	Noise	00:00	00:00	0	68	85	27	34	0.79	/	
	13C12-PCB 208	49:53	50:00	-7	423741	516076	79700	96029	0.82	ABV/ABV	D
	13C12-PCB 206	54:55	54:47	8	162894	209007	23641	29702	0.78	ABV/ABB	
496					495.6856	497.6826	495.6856	497.6826	0.59-0.79		
	Noise	00:00	00:00	0	40	40	16	16	1.00 *	/	
	PCB 209 (BZ)	56:24	56:23	1	1955	2674	397	582	0.73	ABB/ABB	T
508					507.7258	509.7229	507.7258	509.7229	0.59-0.79		
	Noise	00:00	00:00	0	48	60	19	24	0.79	/	
	13C12-PCB 209	56:24	56:22	2	270525	380905	47772	68709	0.71	ABV/ABB	

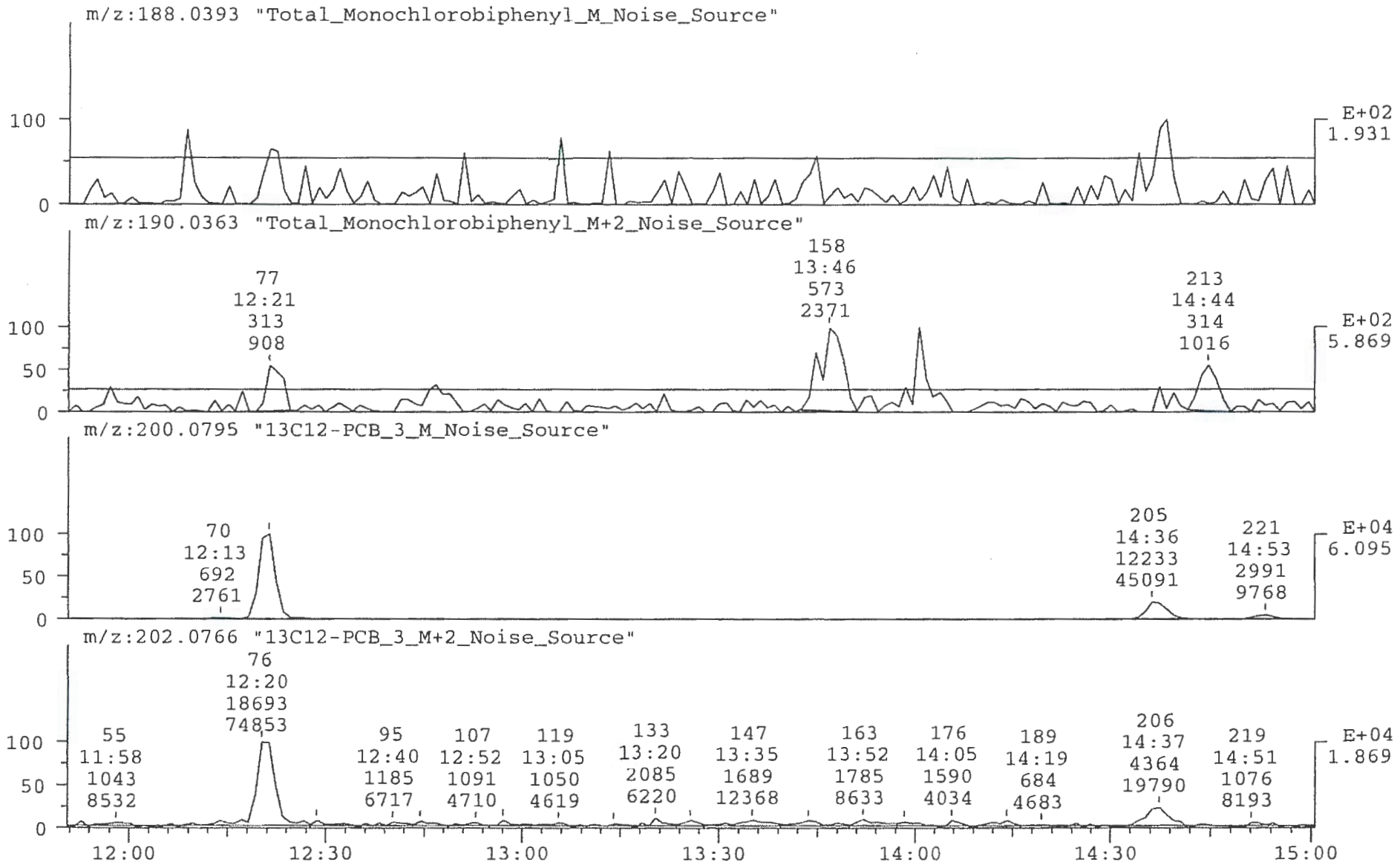
Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside comax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

CHRO: apj7v9q 12-Oct-07 Elapse: 56:12 2556
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
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

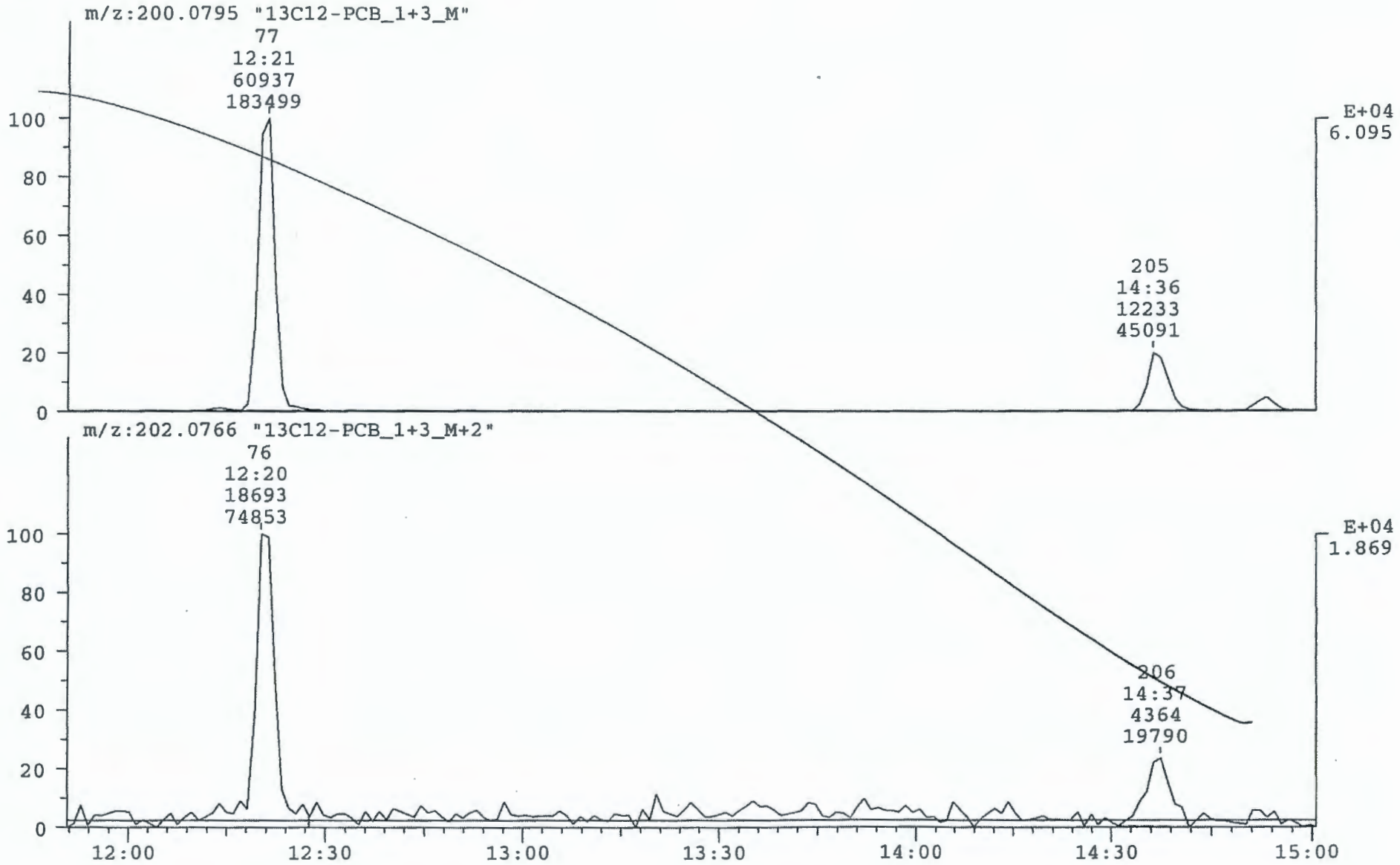
Int PMP 10-13-07
Calc BAW 10/15/07
QC/Reviews 10/16/07



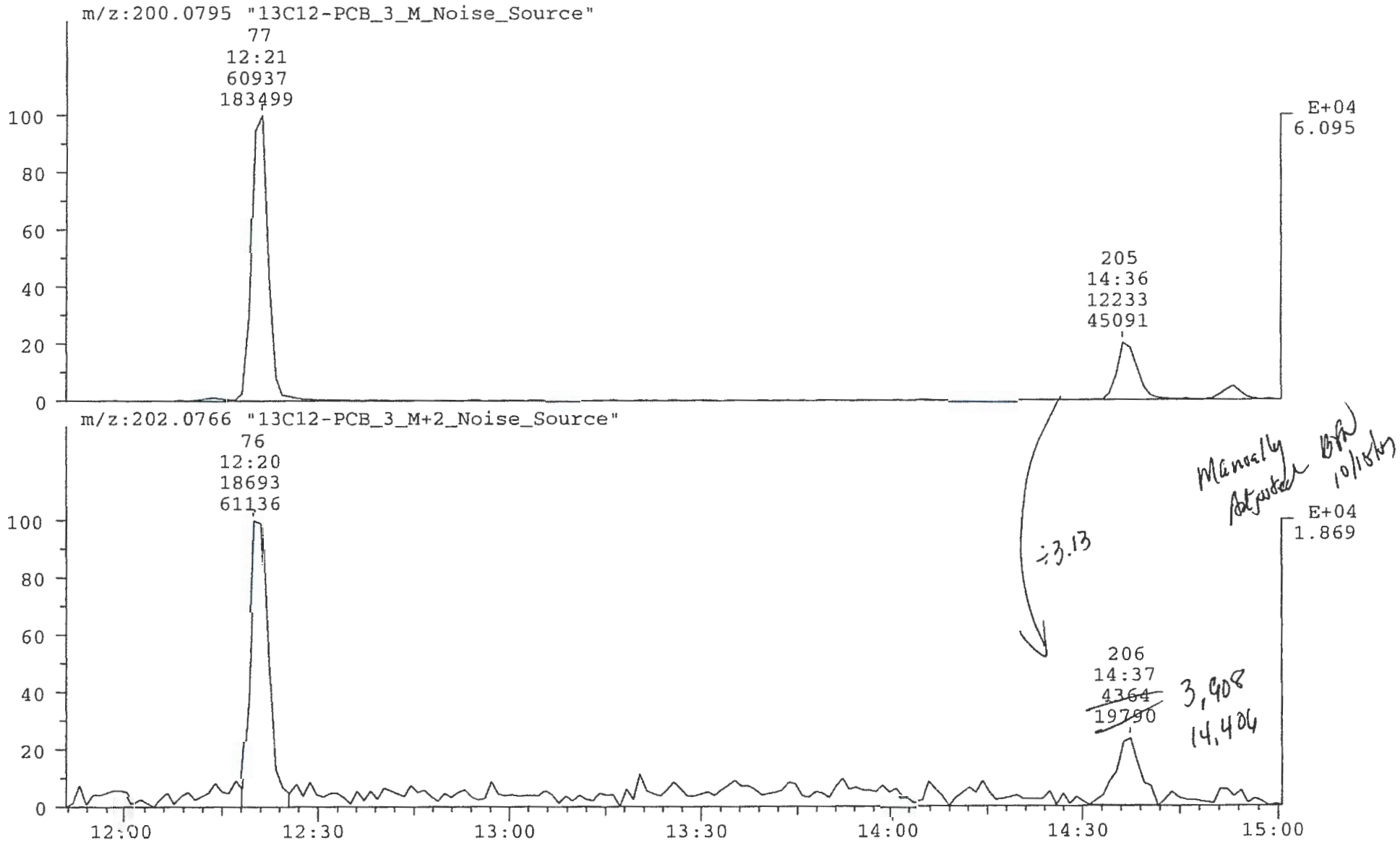
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  13:25.6      138
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
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
```



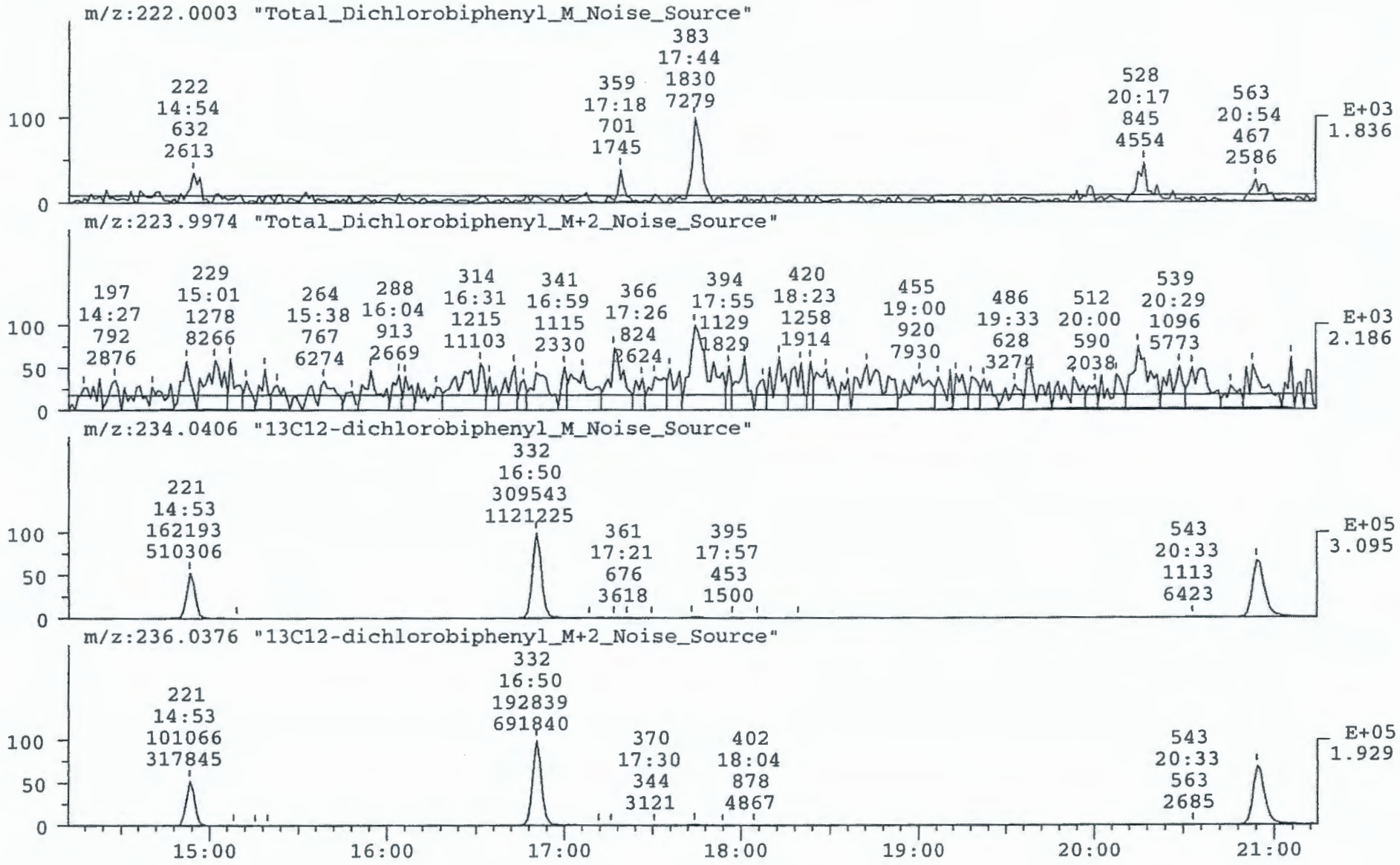
```
CHRO:  apj7v9q                                12-Oct-07  Elapse:  13:25.6      138
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002             Inlet :  GC     Vial 14
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
```



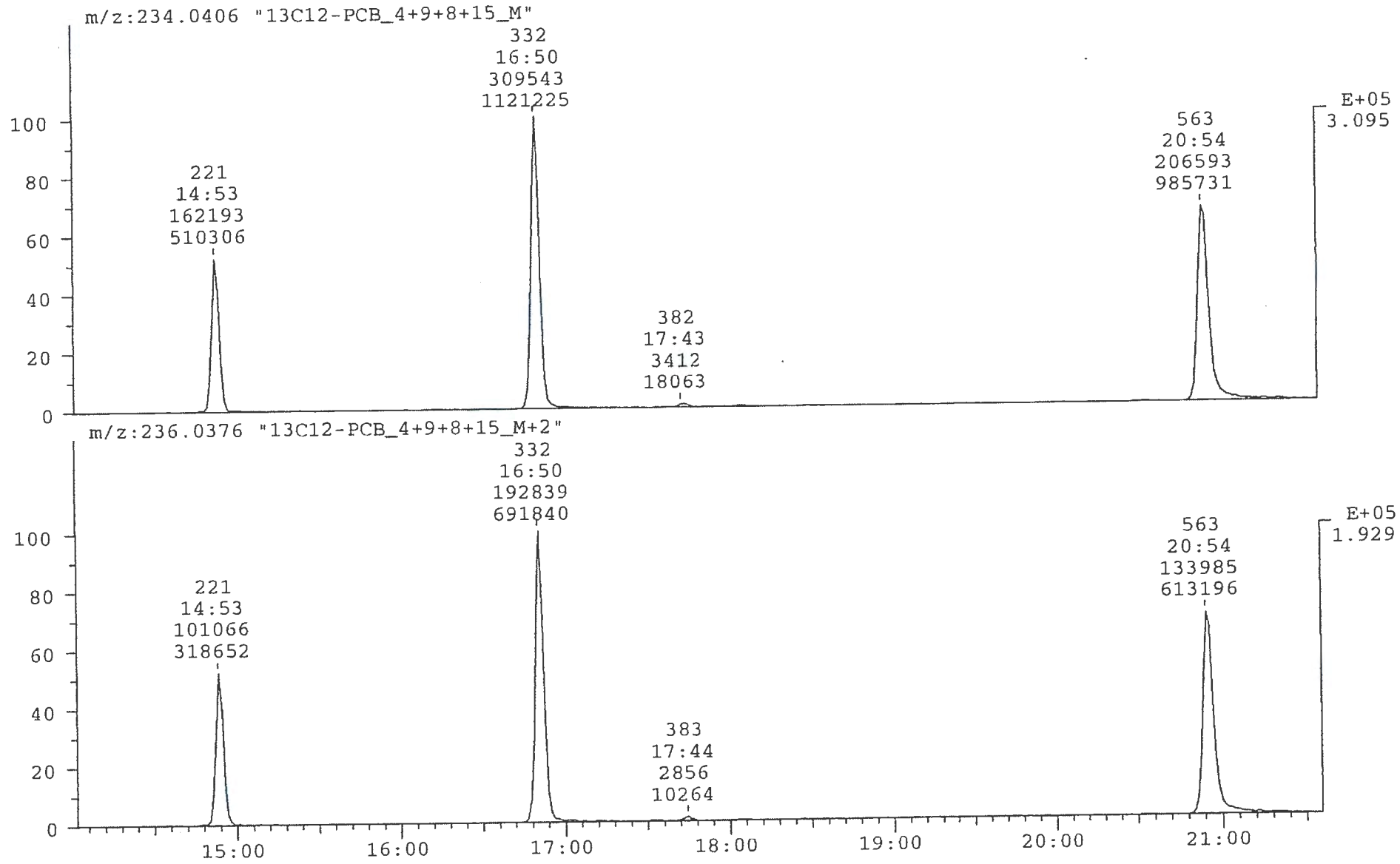
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  41:56      1750
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
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
```



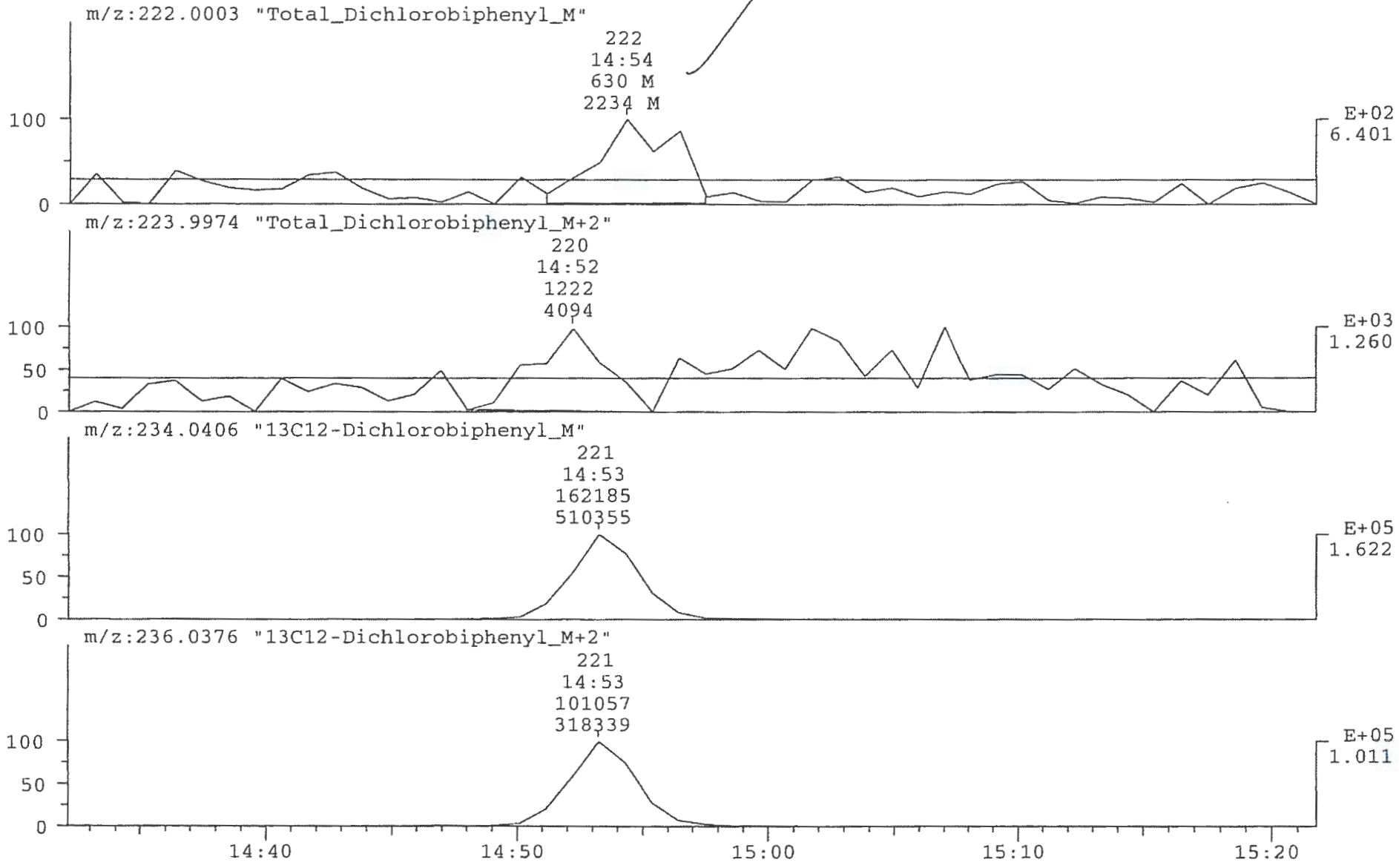
CHRO: apj7v9q 12-Oct-07 Elapse: 17:43.2 382
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 182 > 582 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



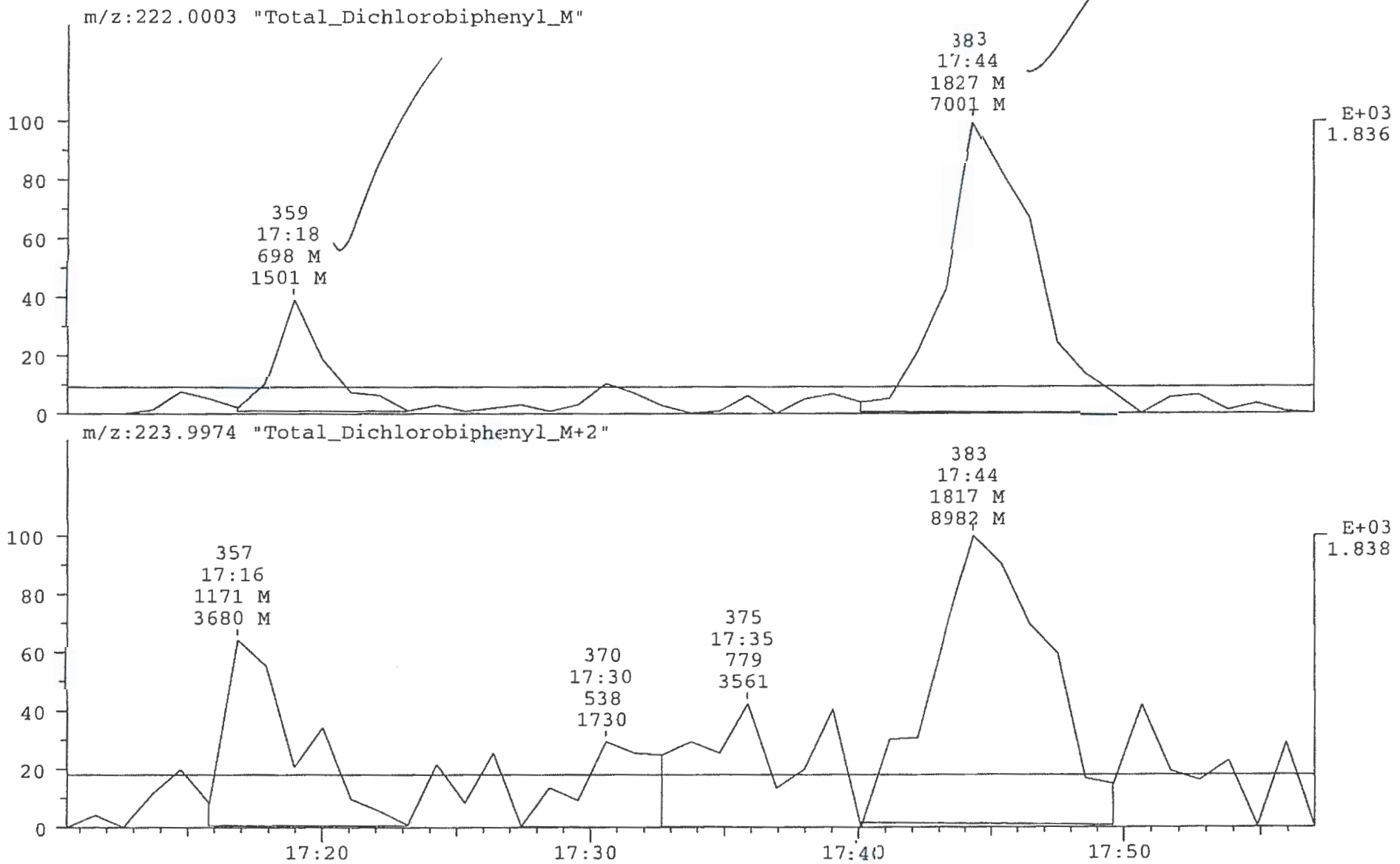
CHRO: apj7v9q 12-Oct-07 Elapse: 17:43.2 382
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 172 > 602 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



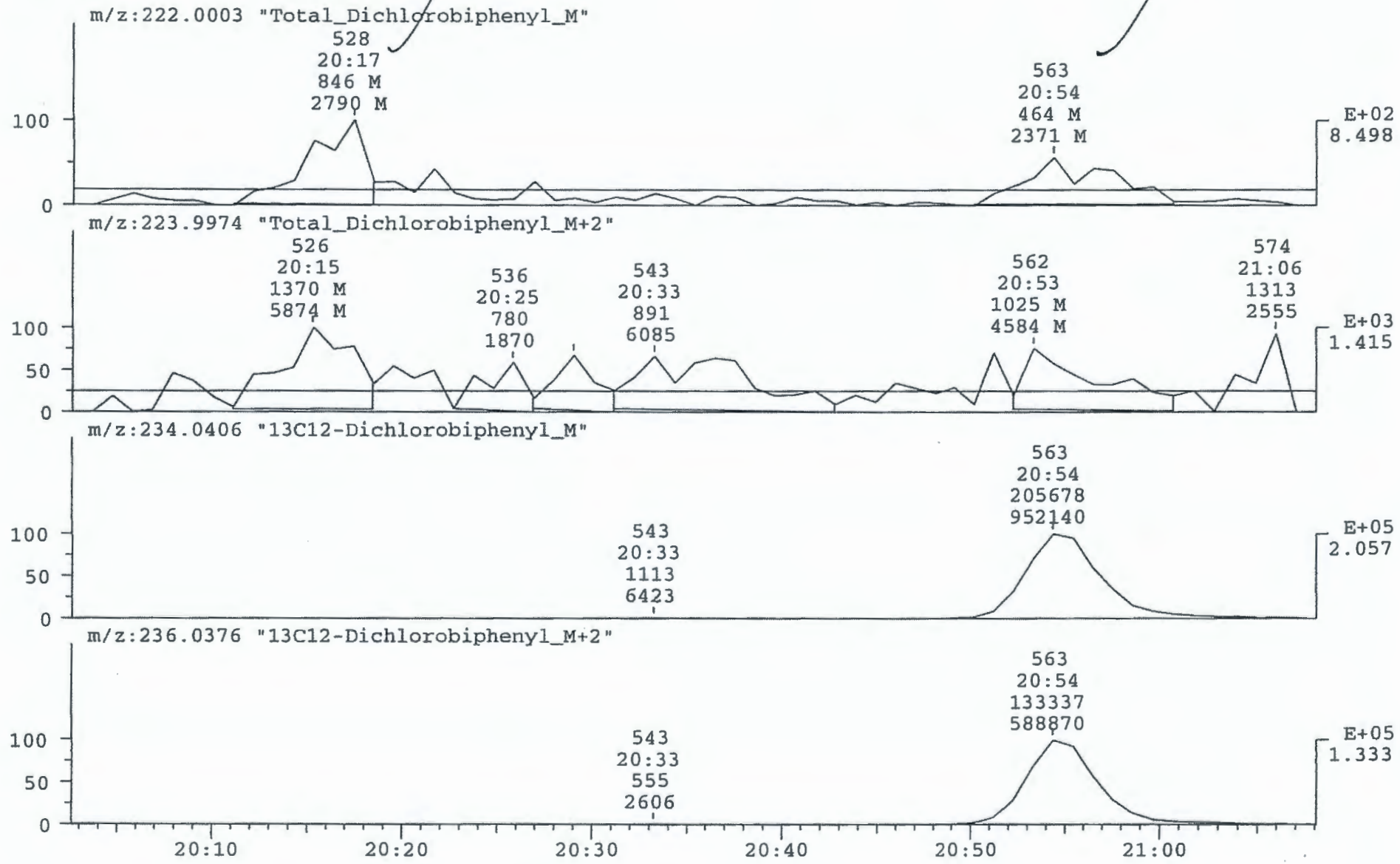
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC      Vial  14
Peak:  100.00  ppm      Label wndw:   219 > 225           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



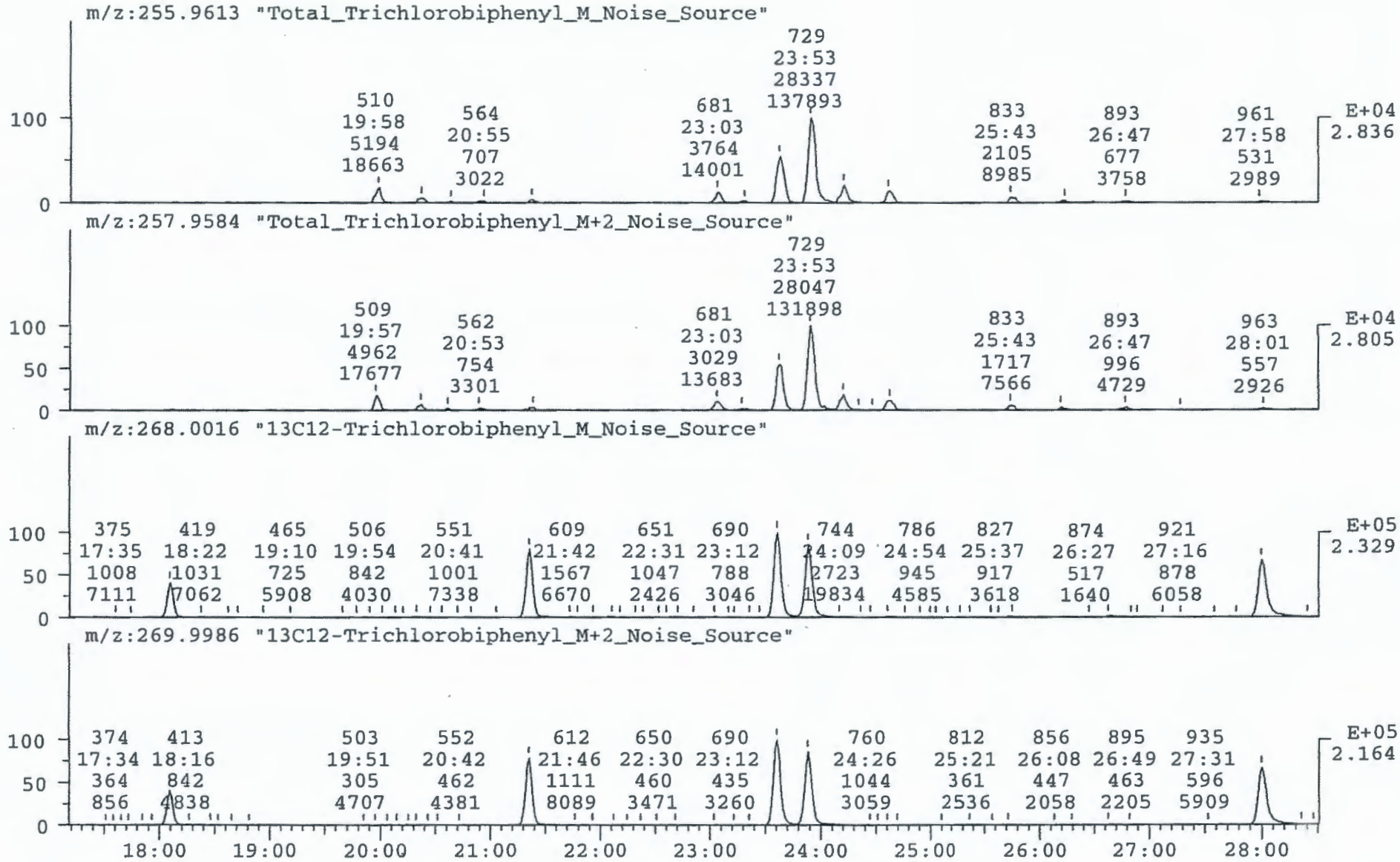
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
Peak:  100.00  ppm      Label wndw:   351 > 395           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



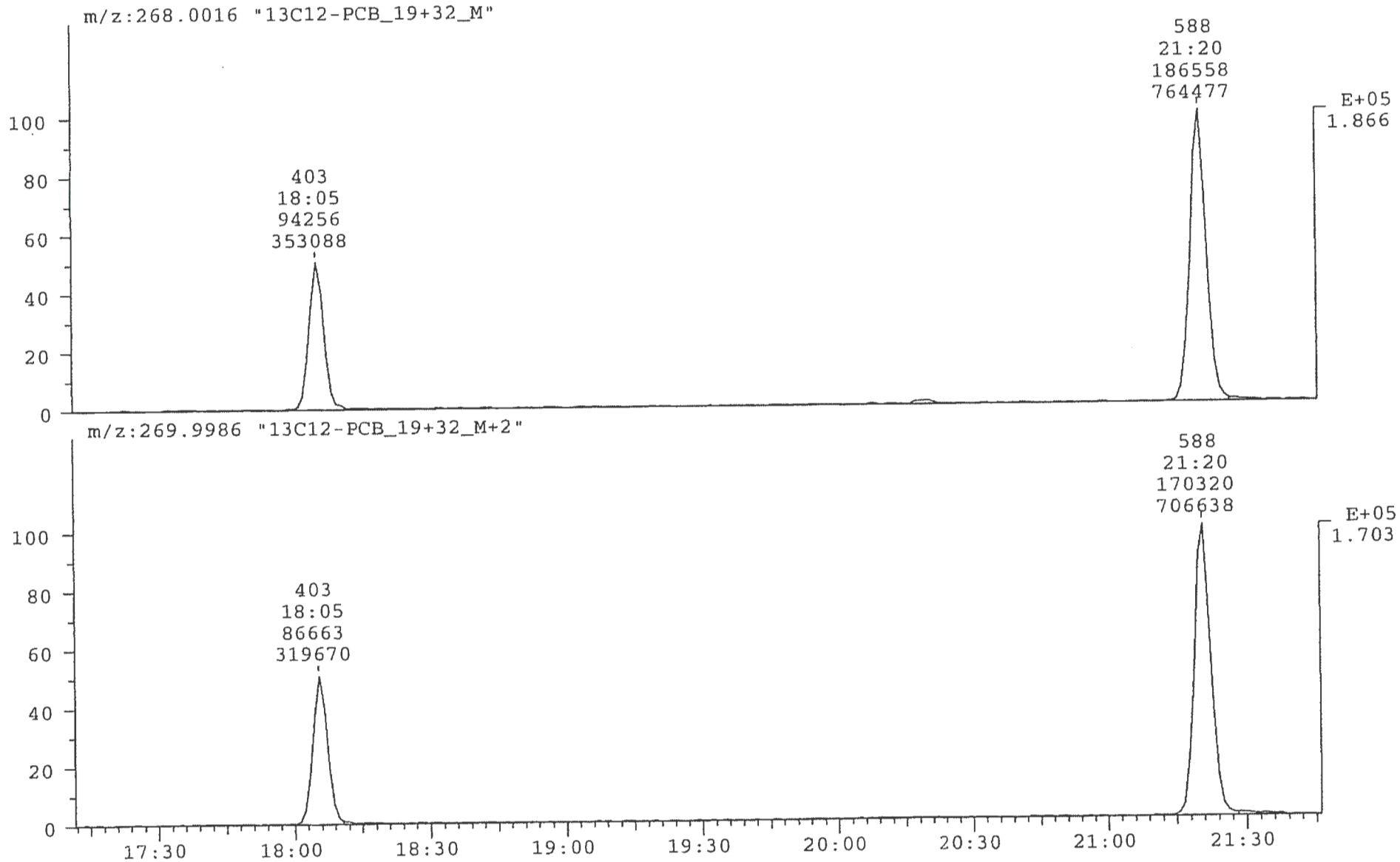
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 514 > 576 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



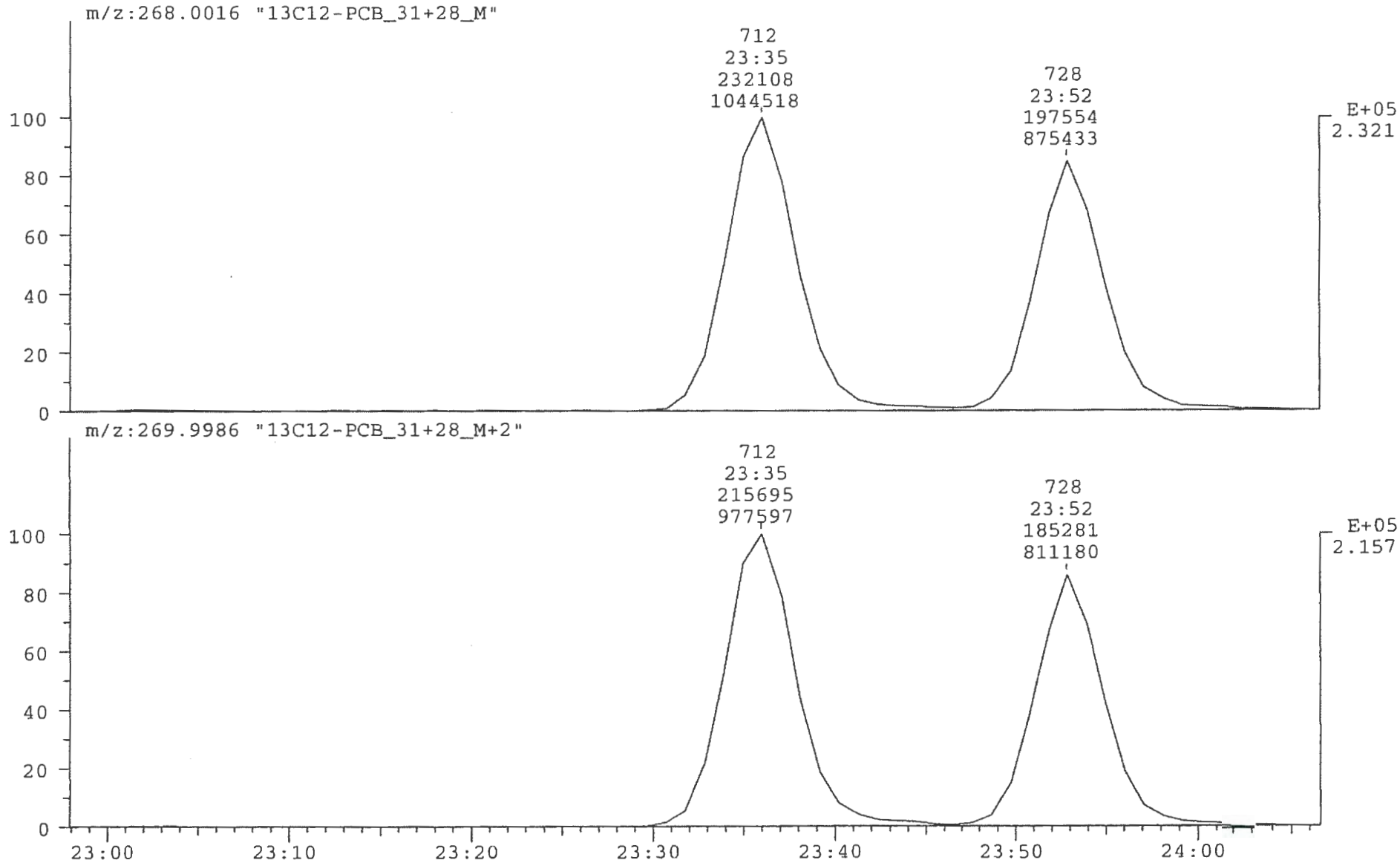
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  22:52.7      671
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC      Vial  14
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
```



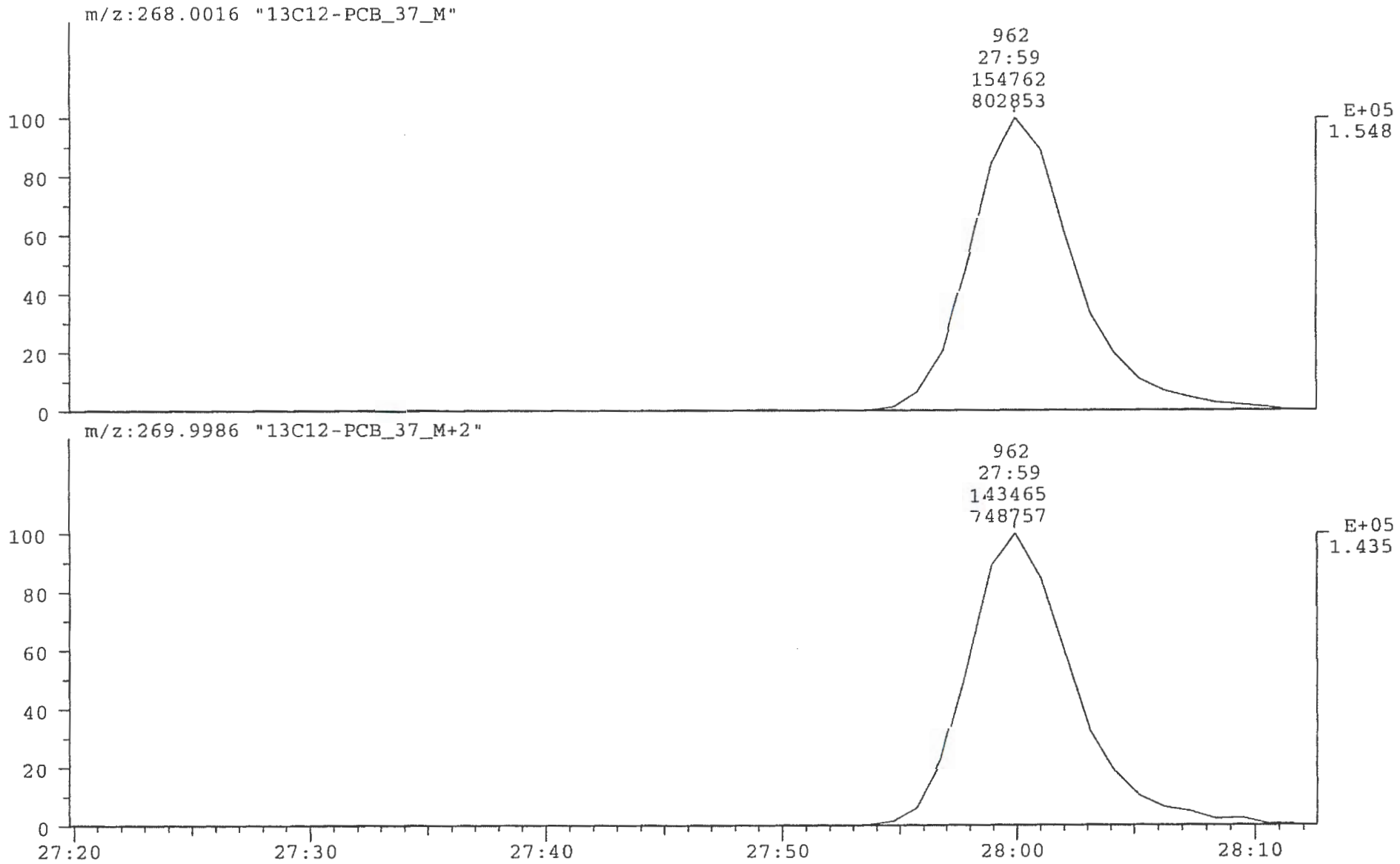
CHRO: apj7v9q 12-Oct-07 Elapse: 19:18.2 472
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 352 > 612 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 1 Label : -3, 3.0
Disp: Height Area



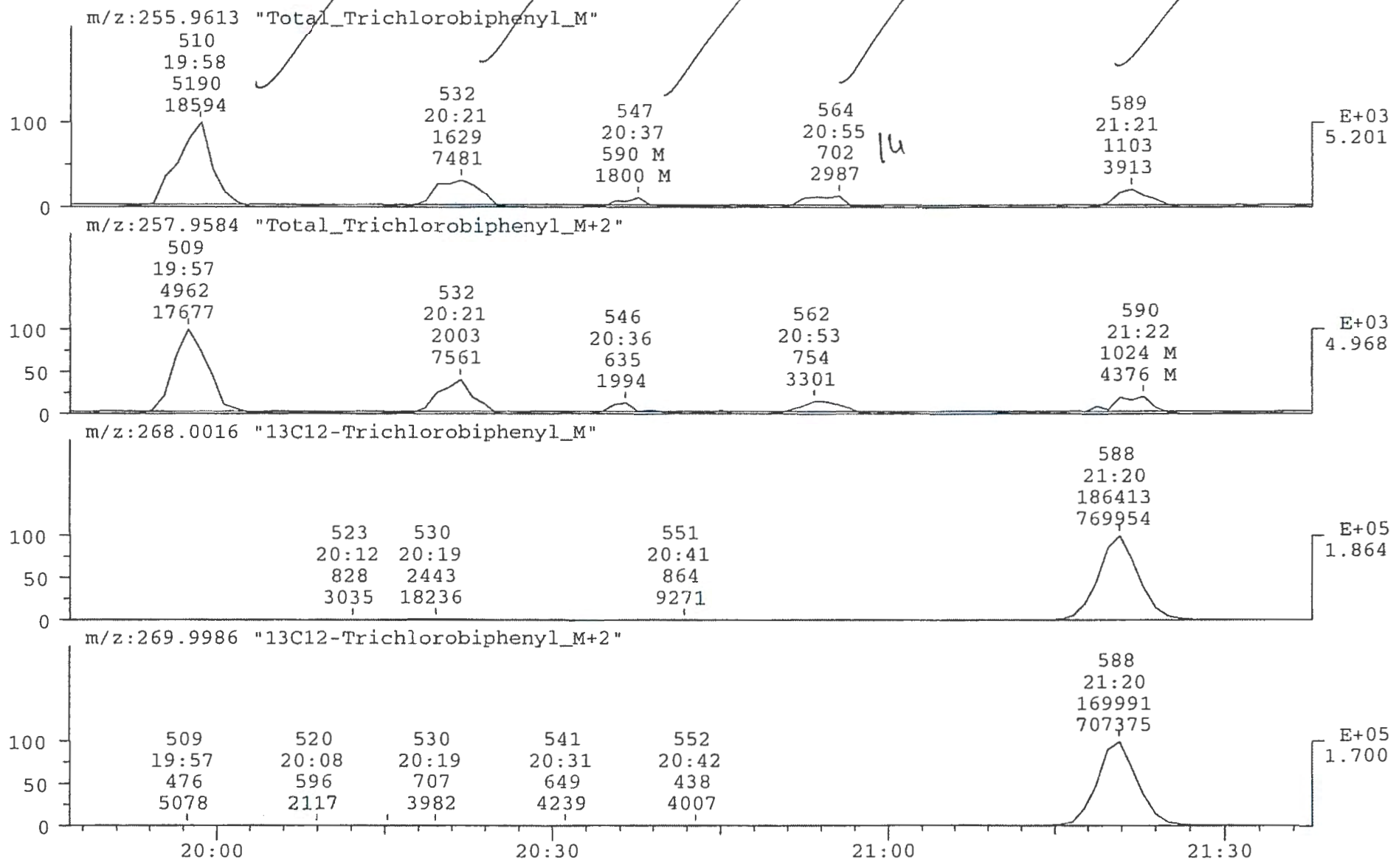
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  23:24.3      701
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC      Vial  14
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
```



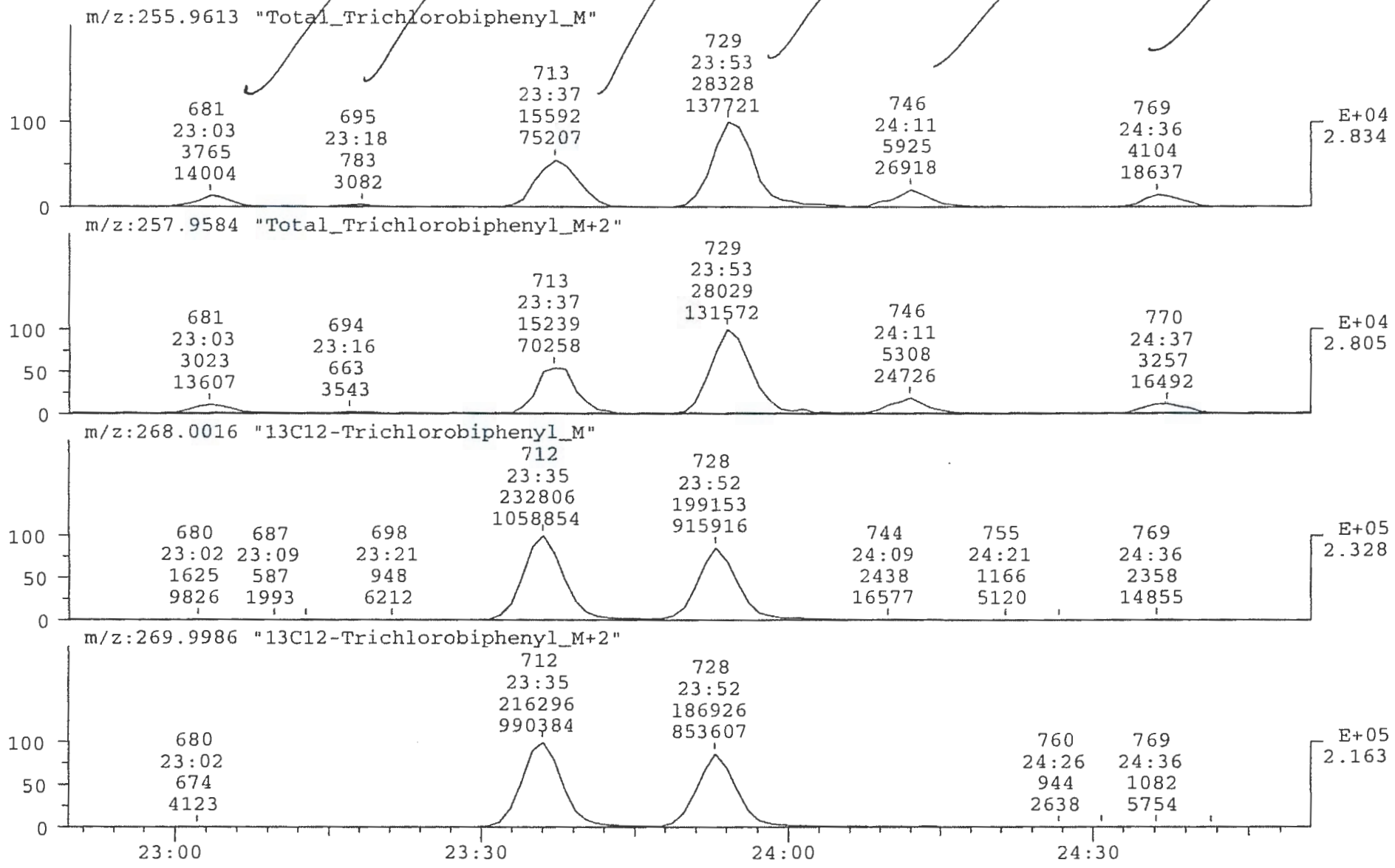
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  27:46.2      949
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
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
```



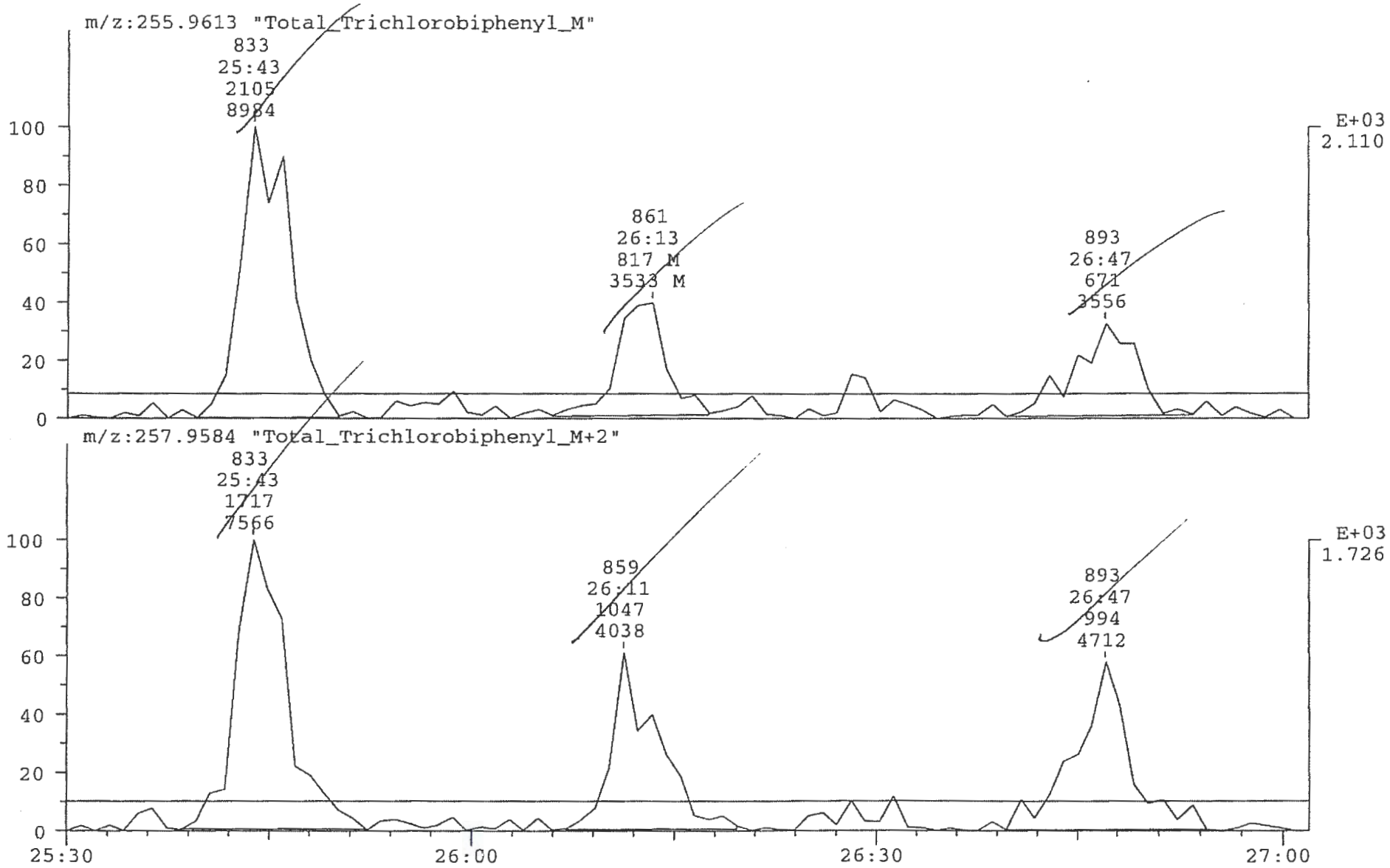
```
CHRO:  apj7v9q                                  12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                   Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002                Inlet :  GC     Vial  14
Peak:  100.00  ppm      Label wndw:   499 > 604             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



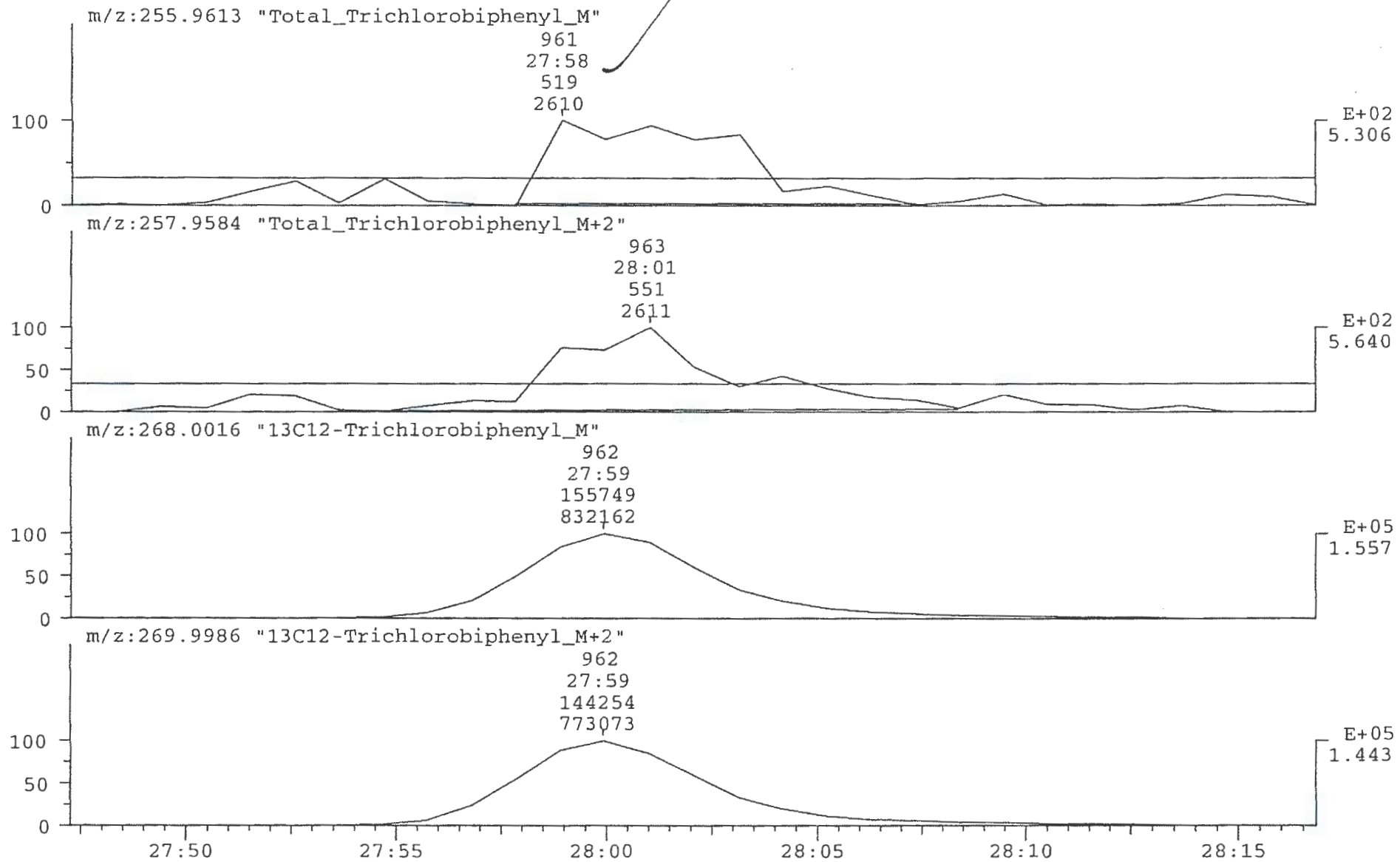
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 668 > 783 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



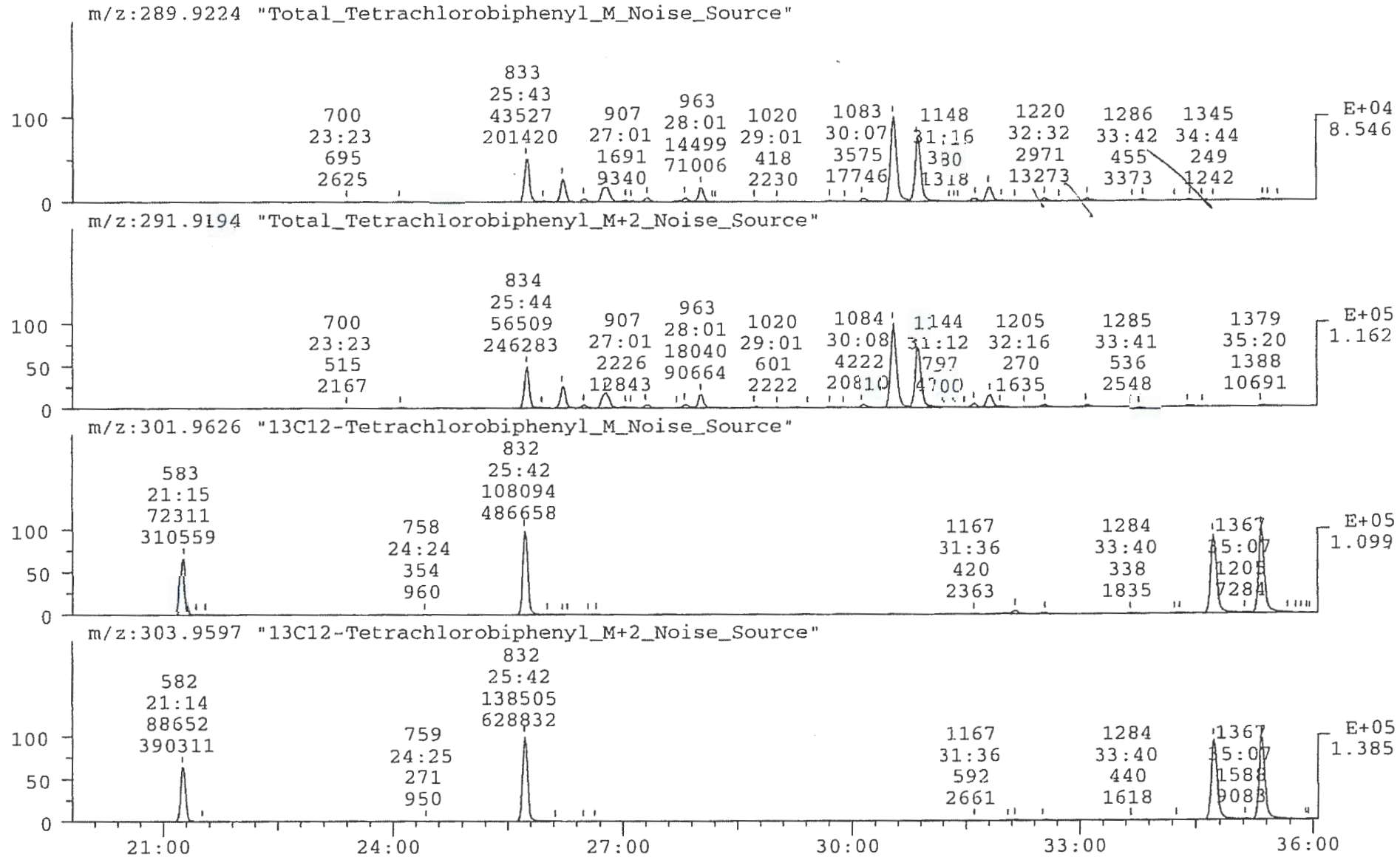
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
Peak:  100.00  ppm      Label wndw:   820 > 907           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



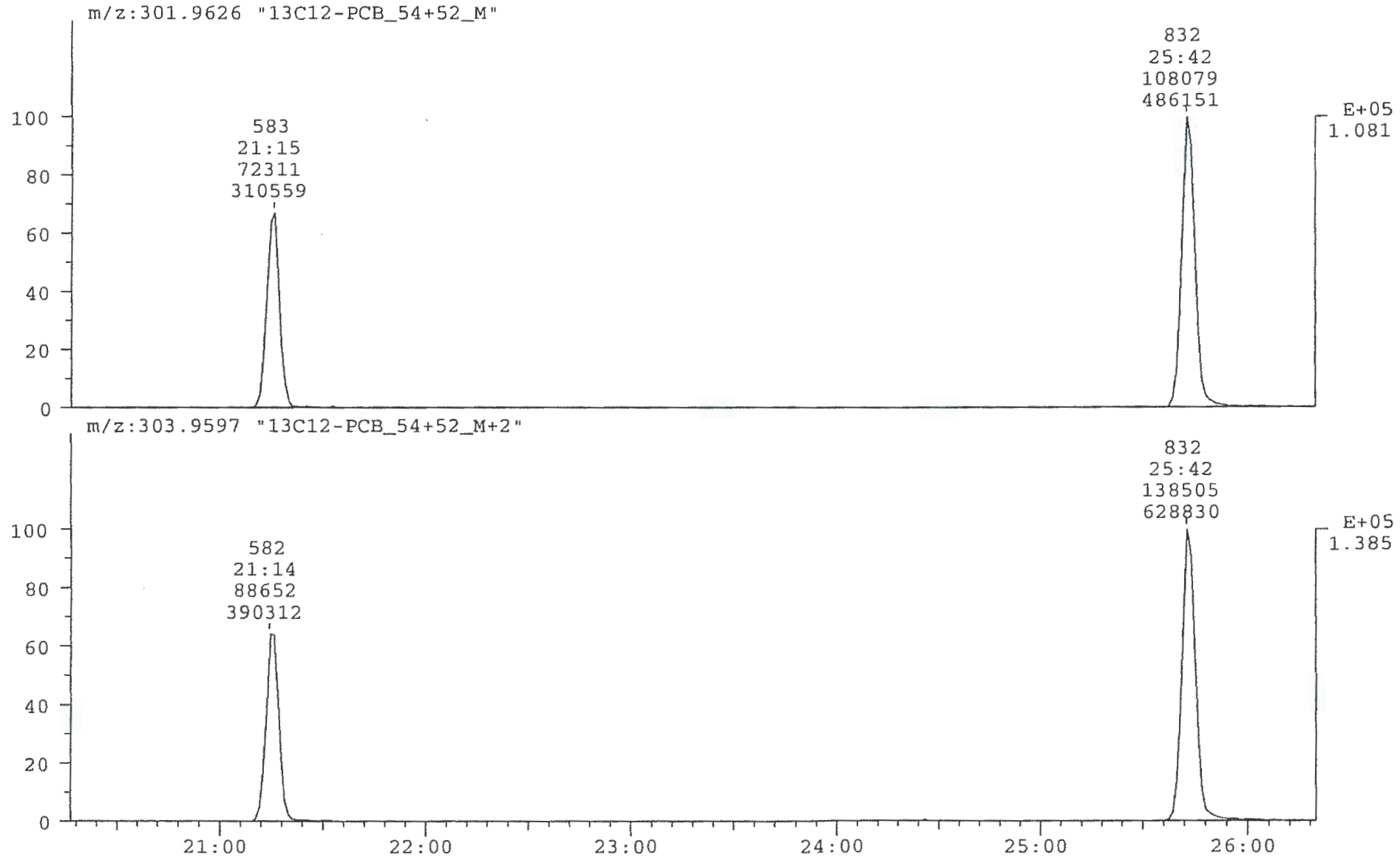
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
Peak:  100.00  ppm      Label wndw:   950 > 978           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



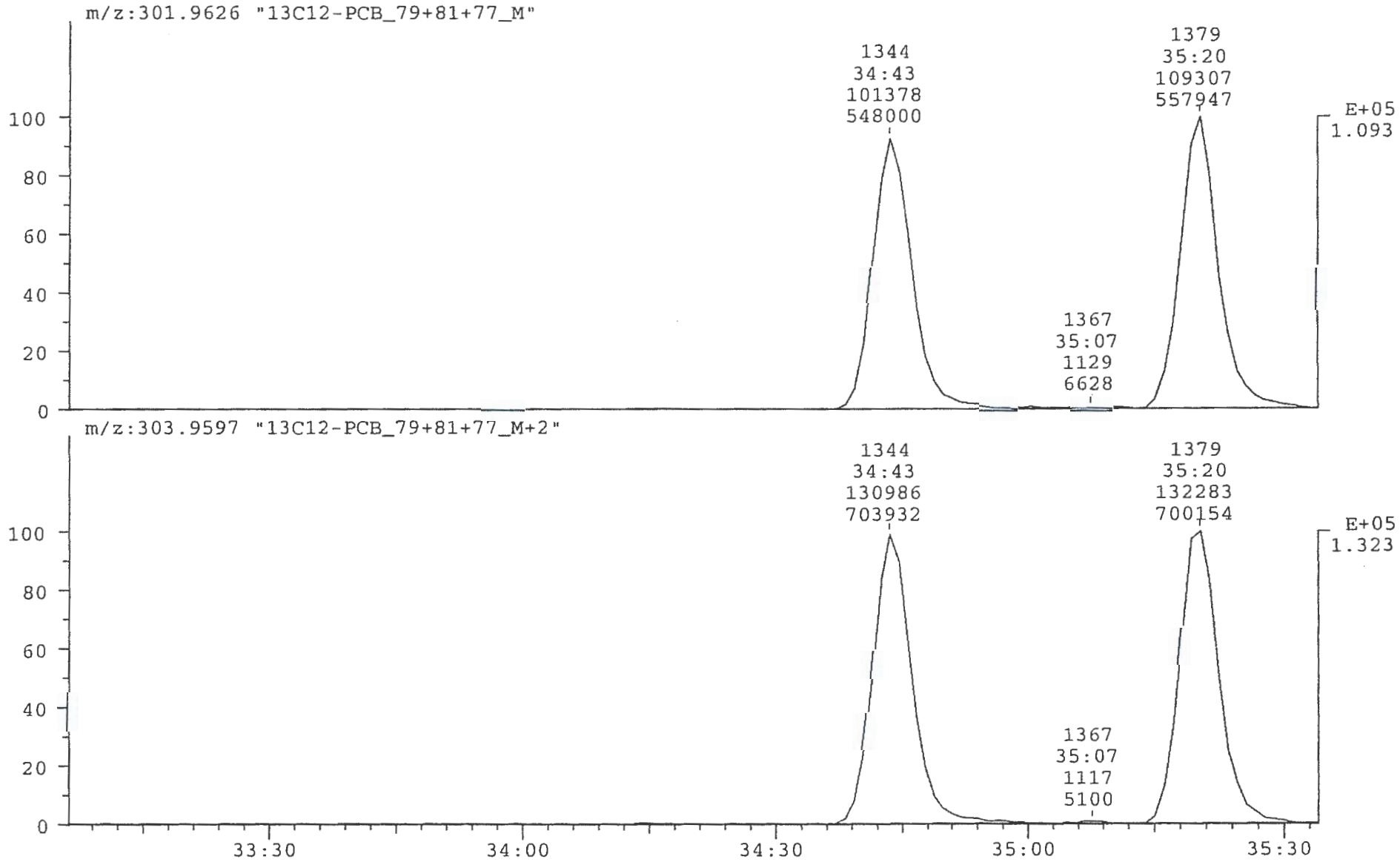
CHRO: apj7v9q 12-Oct-07 Elapse: 27:55.7 958
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 500 > 1420 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



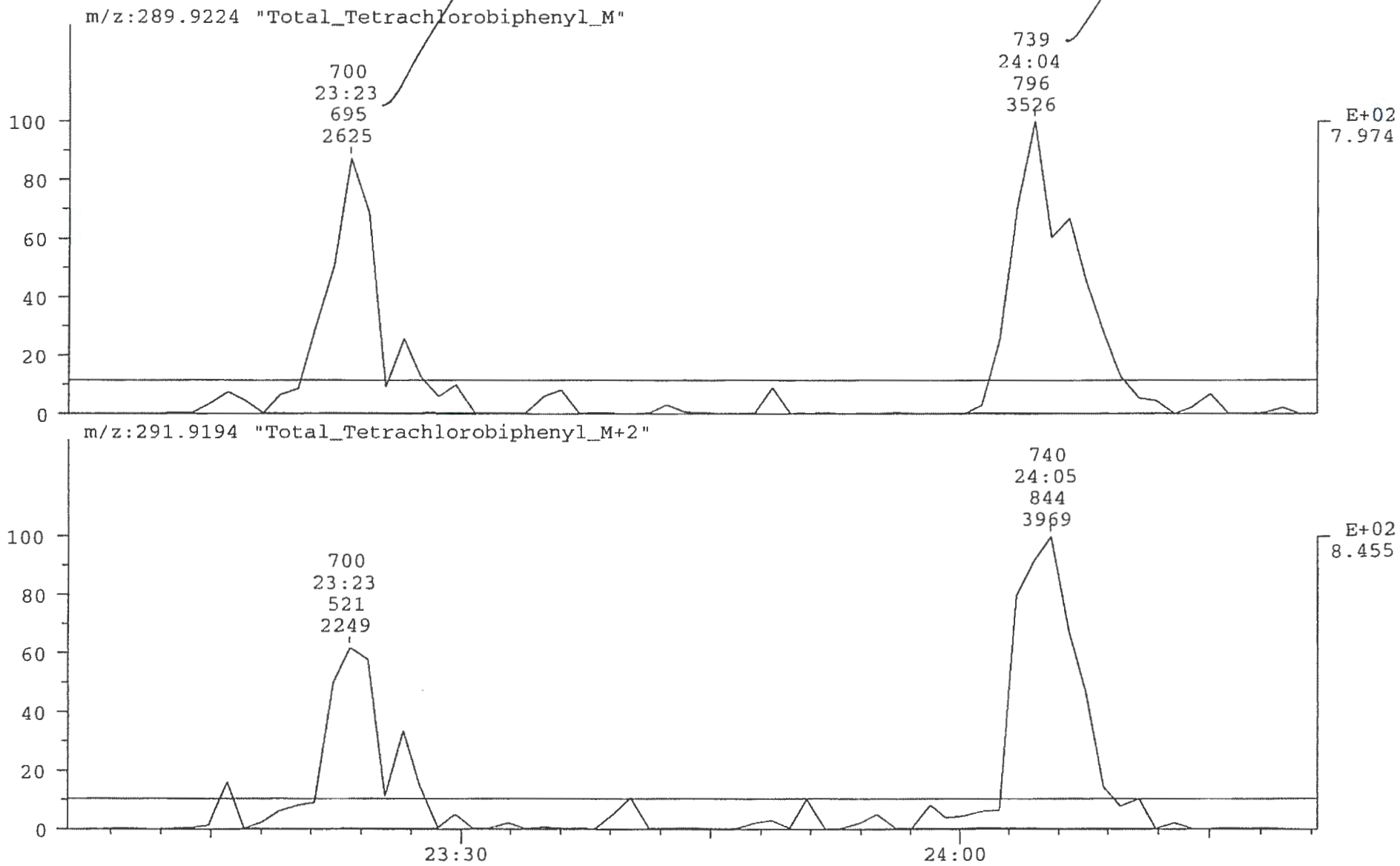
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  23:20.1      697
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
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:  apj7v9q                                12-Oct-07   Elapse:  34:14      1317
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
Peak:  100.00  ppm      Label wndw:   1252 > 1392         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```

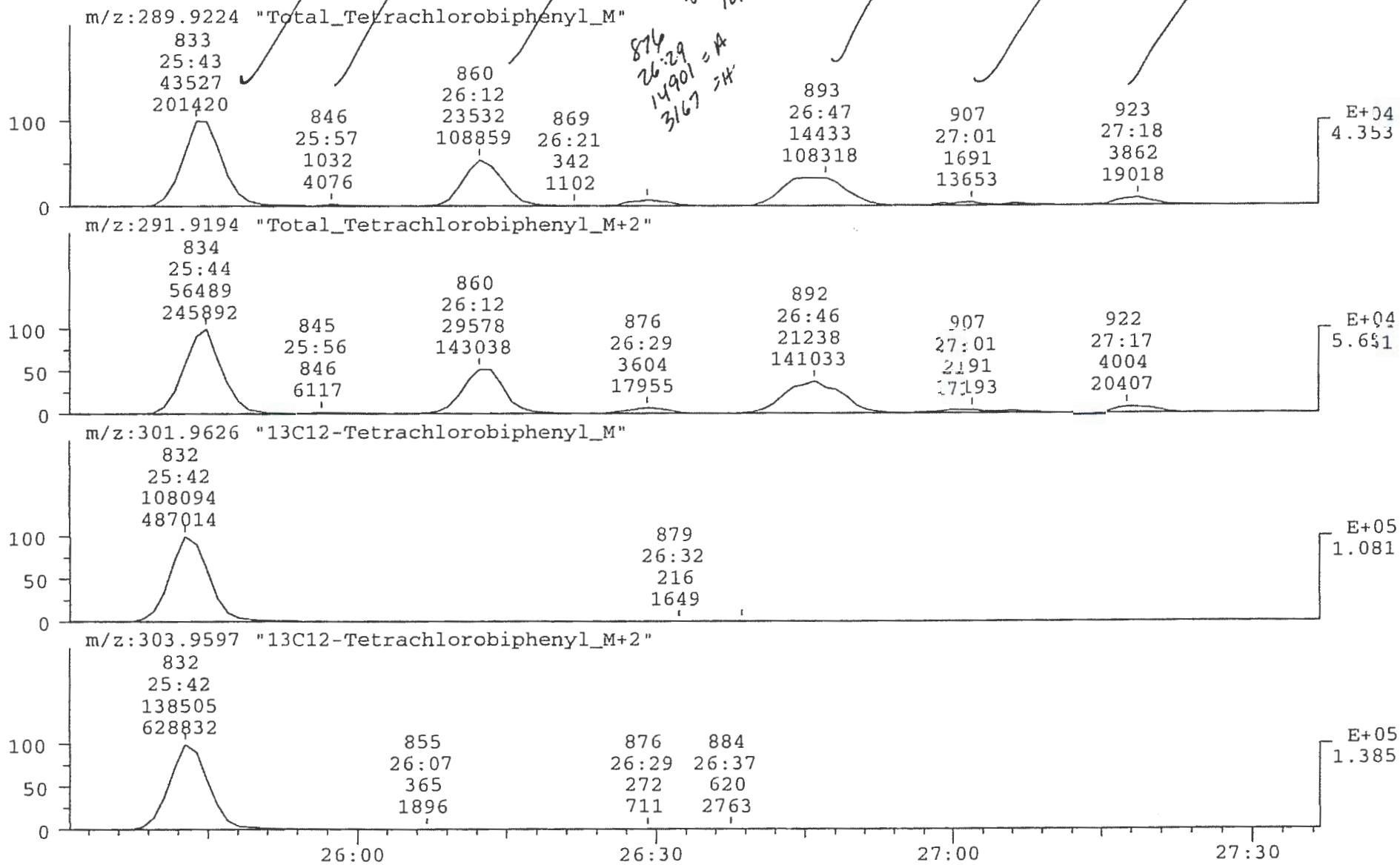


CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 684 > 755 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area

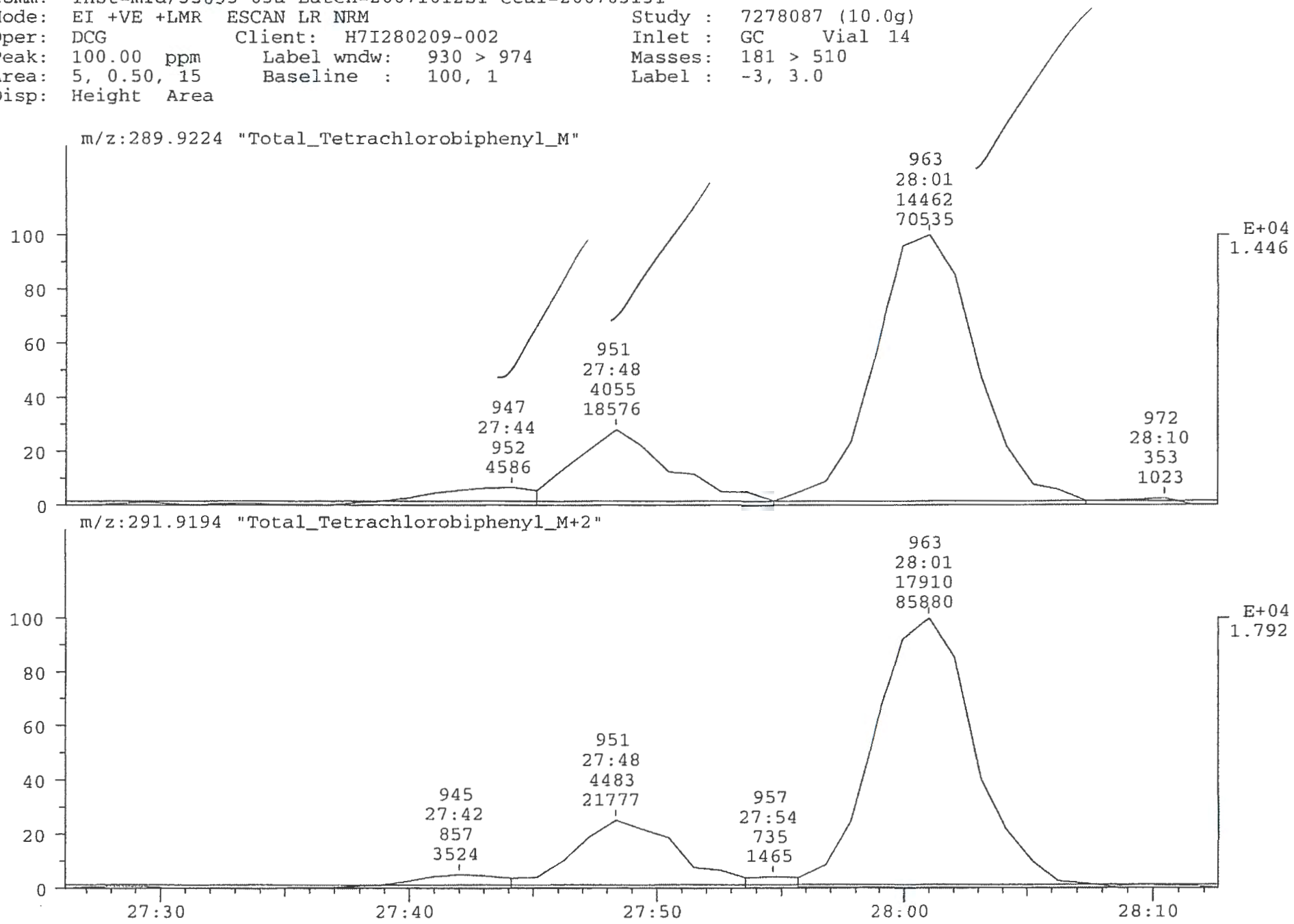


CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 821 > 940 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 4 Label : -3, 3.0
Disp: Height Area

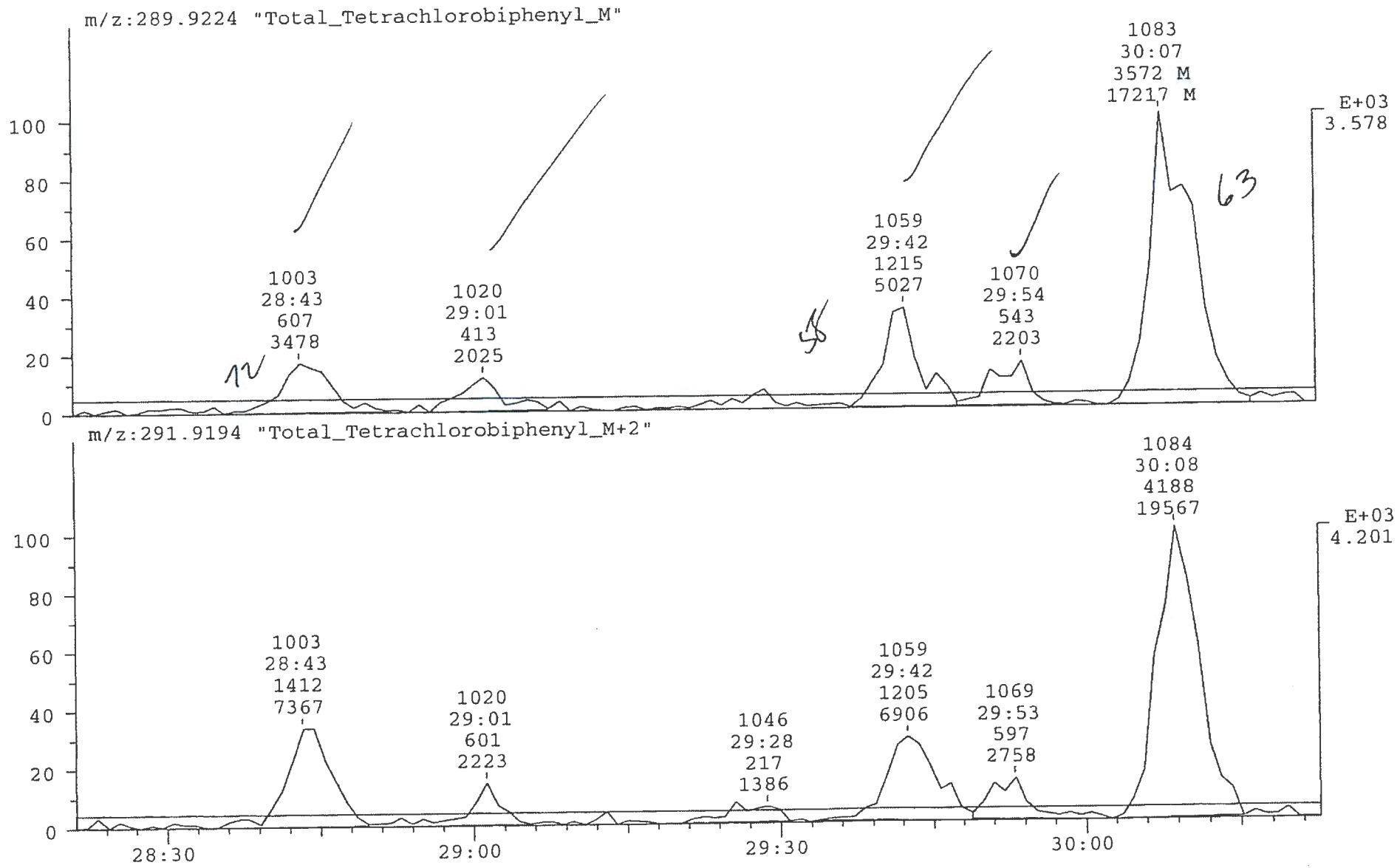
BKW 10/15/07



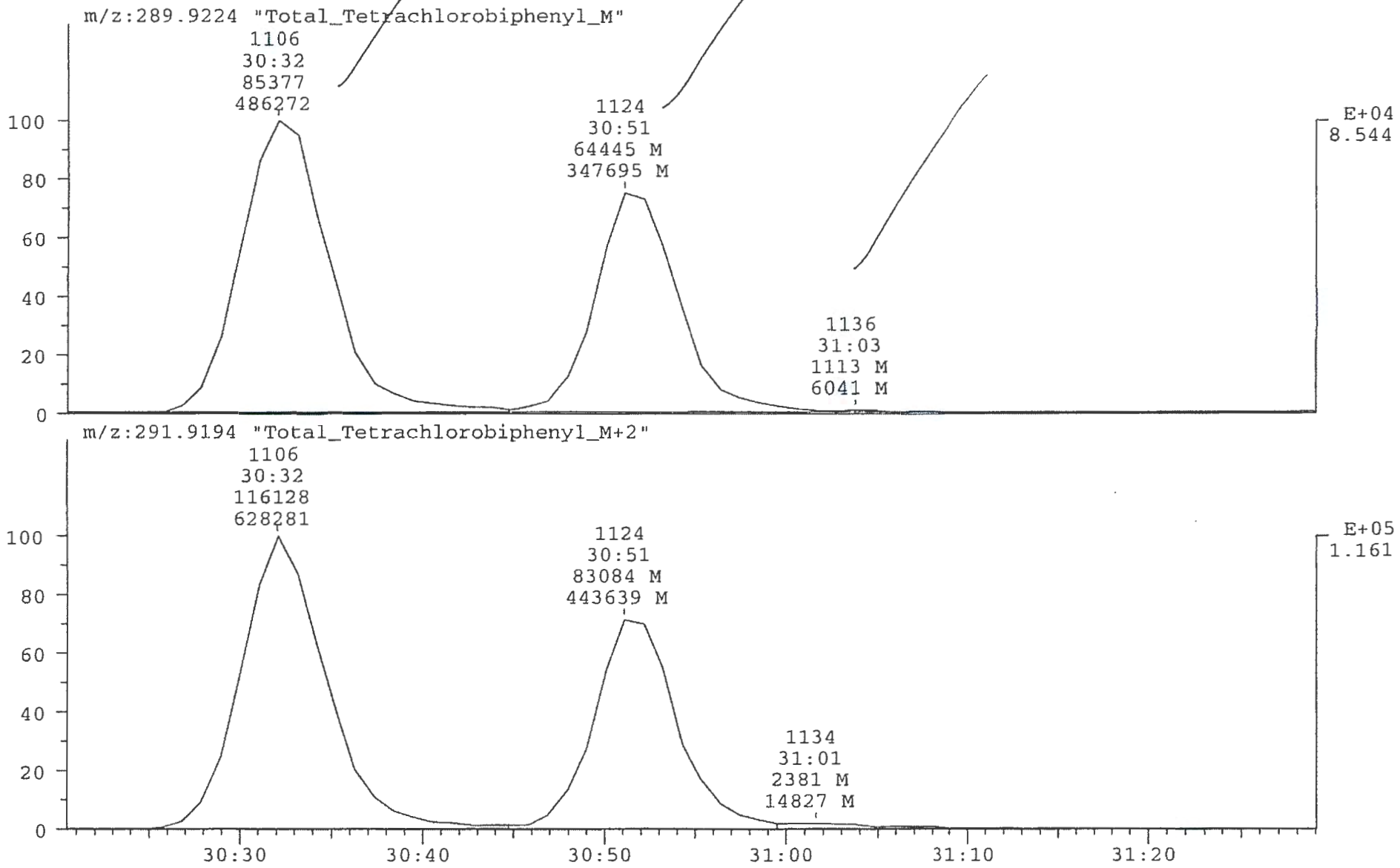
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
Peak:  100.00  ppm      Label wndw:   930 > 974           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 1               Label :  -3, 3.0
Disp:  Height  Area
```



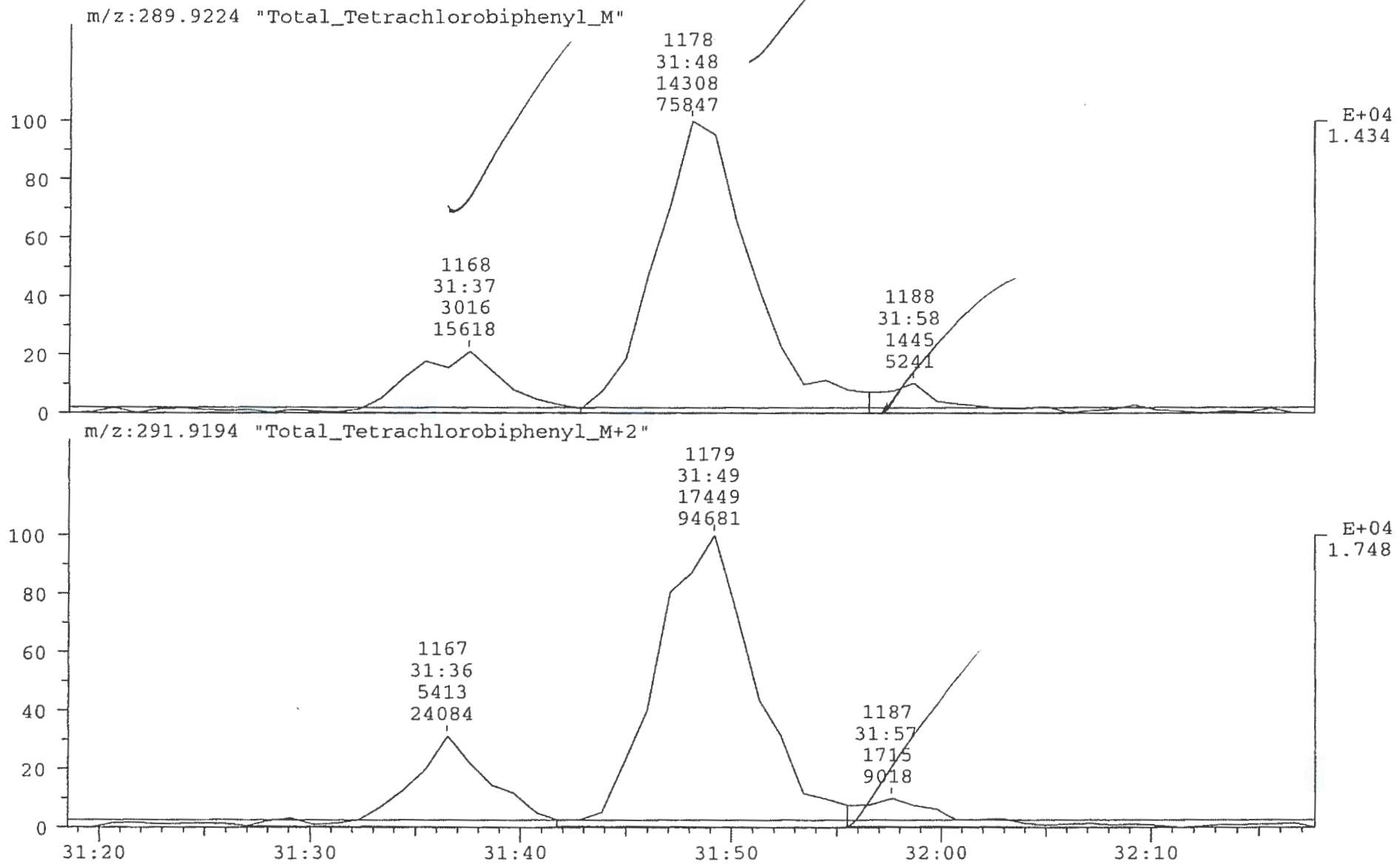
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 982 > 1097 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



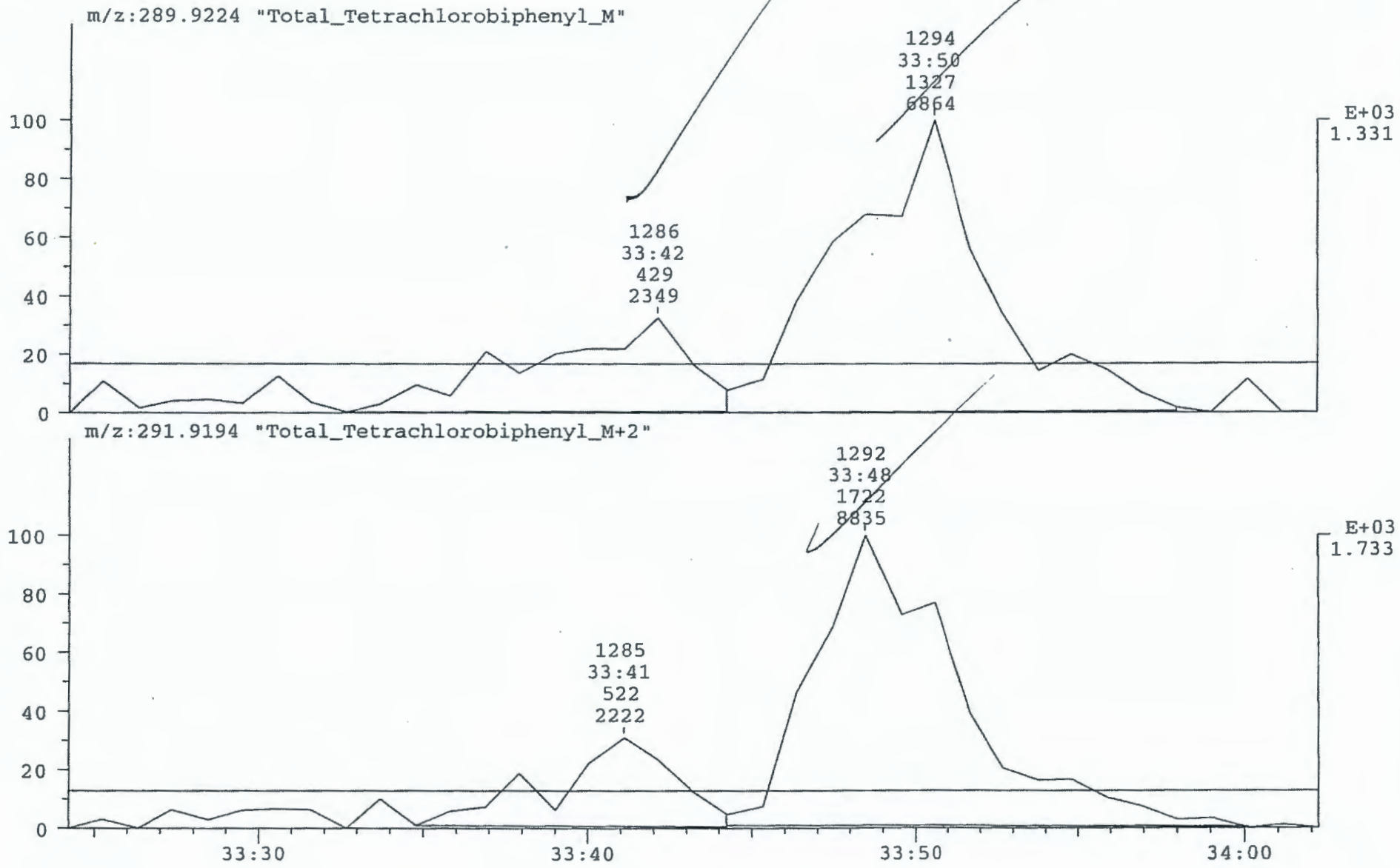
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC      Vial  14
Peak:  100.00  ppm      Label wndw:  1095 > 1160          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :  100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



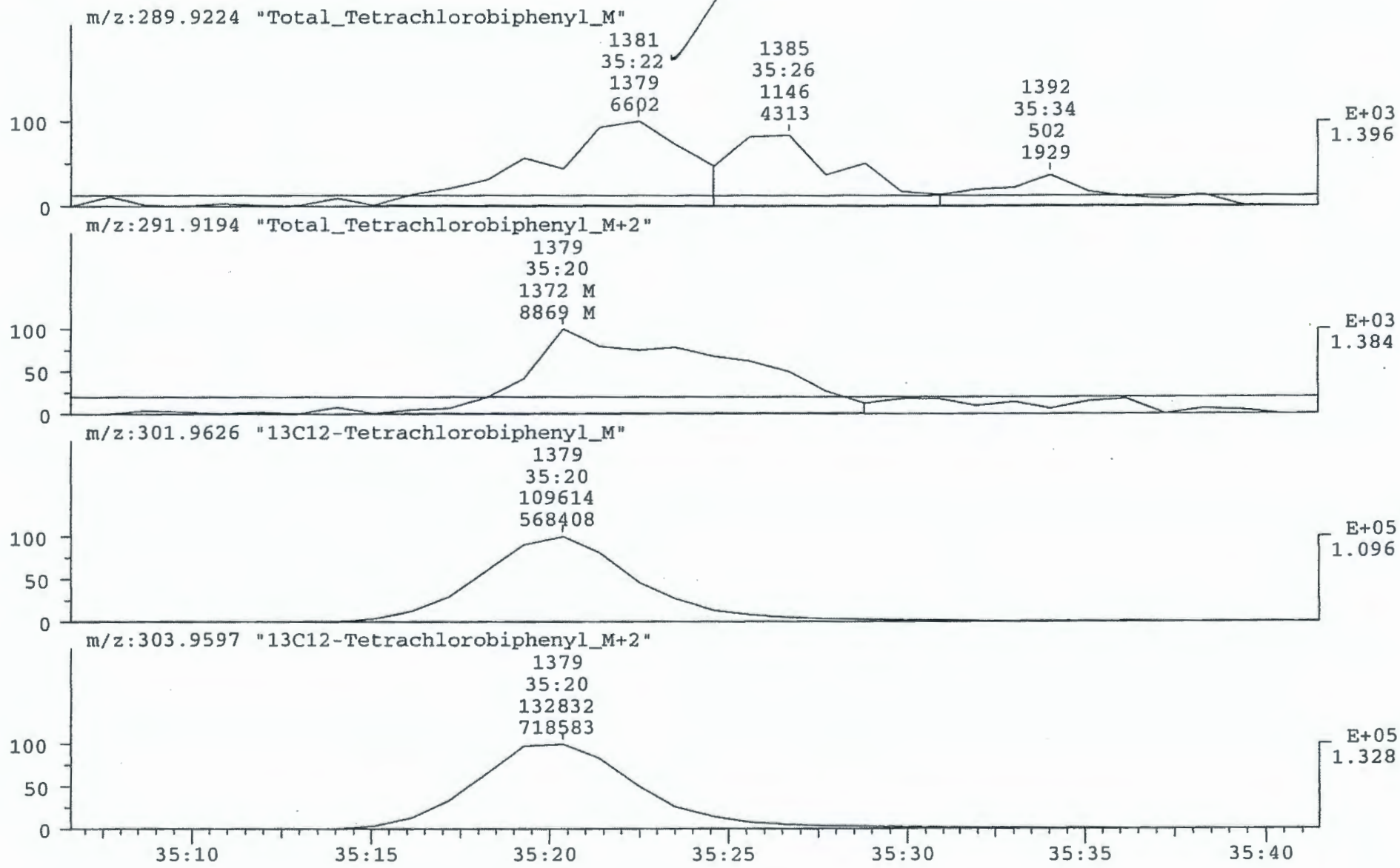
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1150 > 1206 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



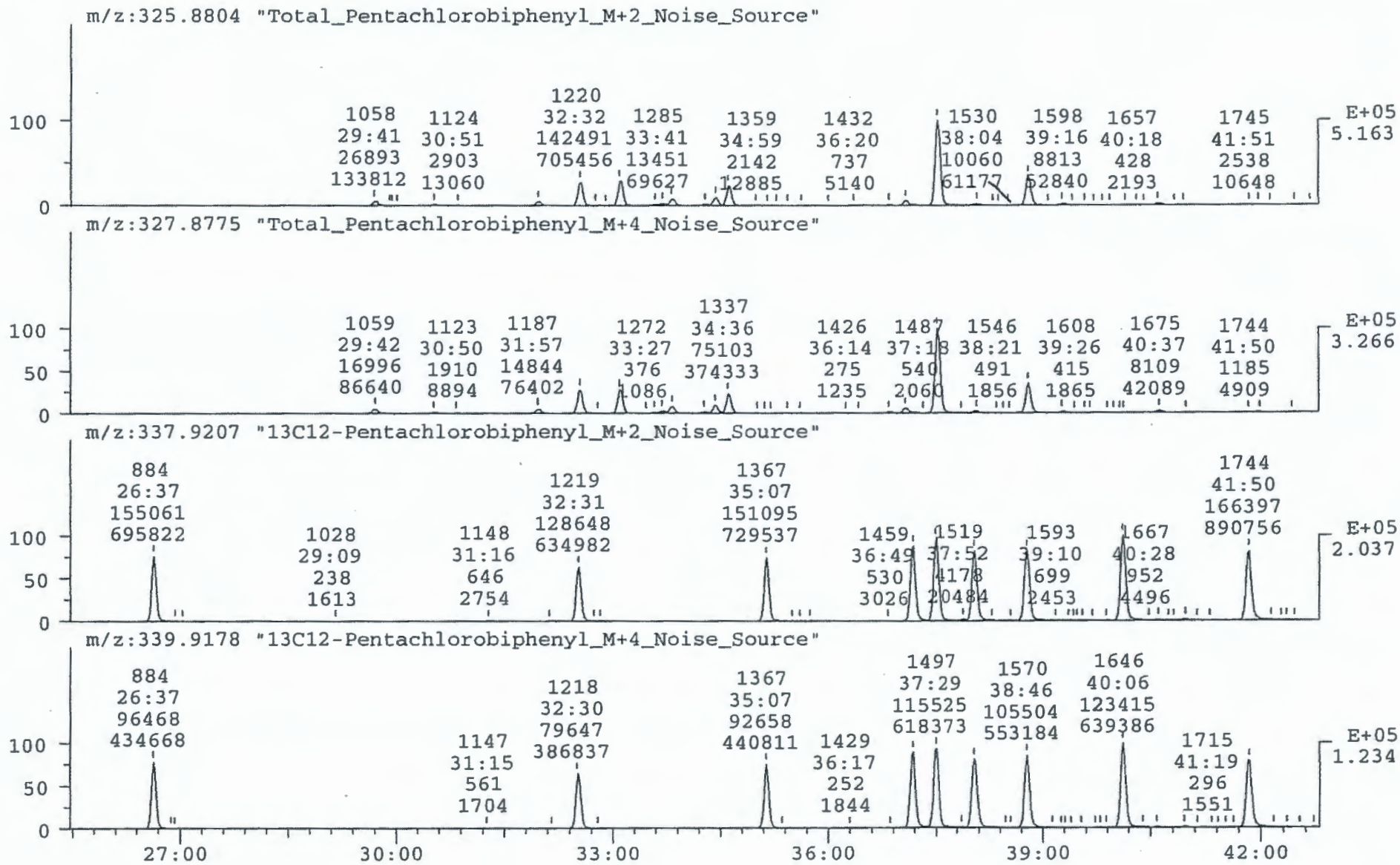
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1269 > 1305 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



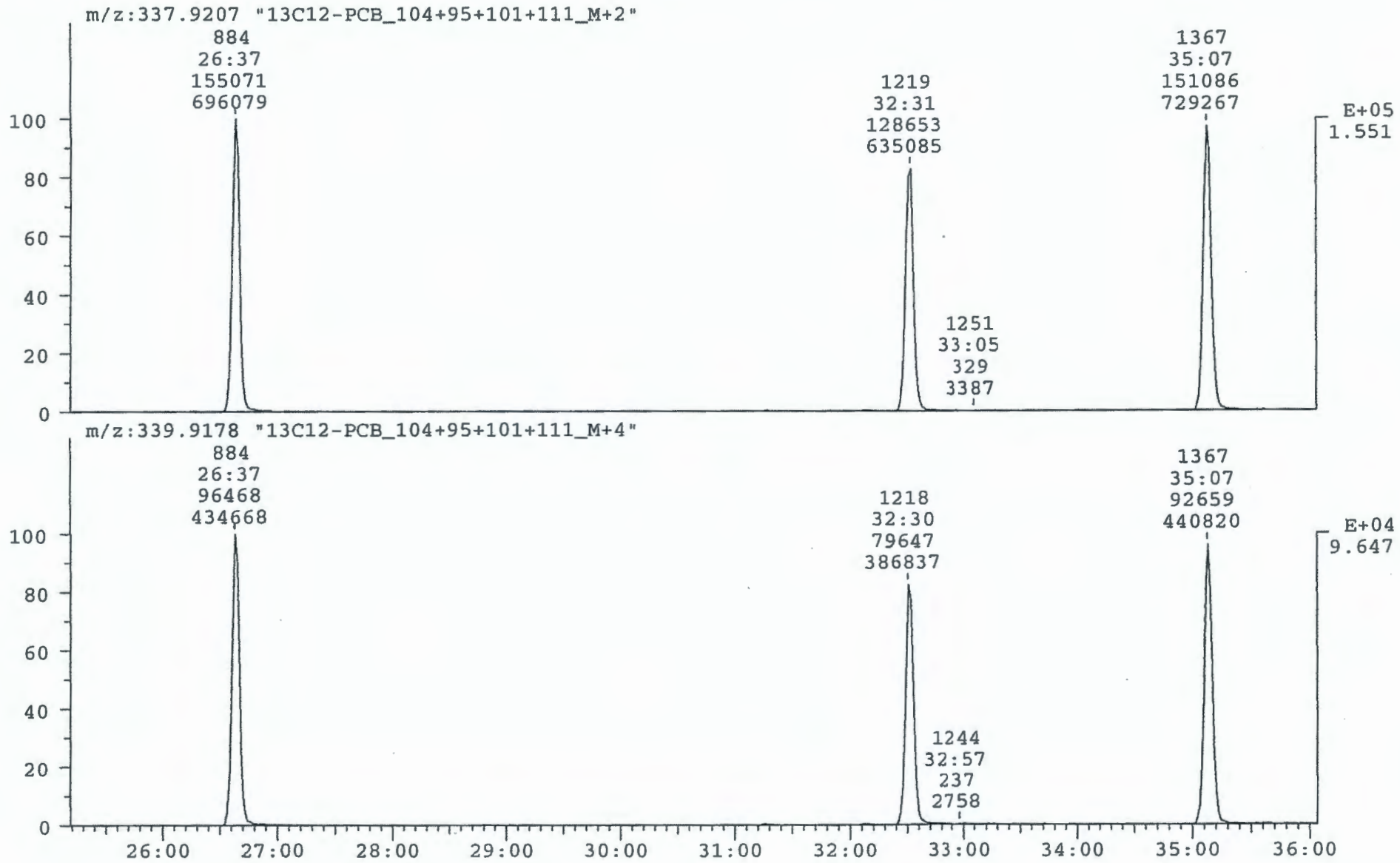
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1366 > 1399 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



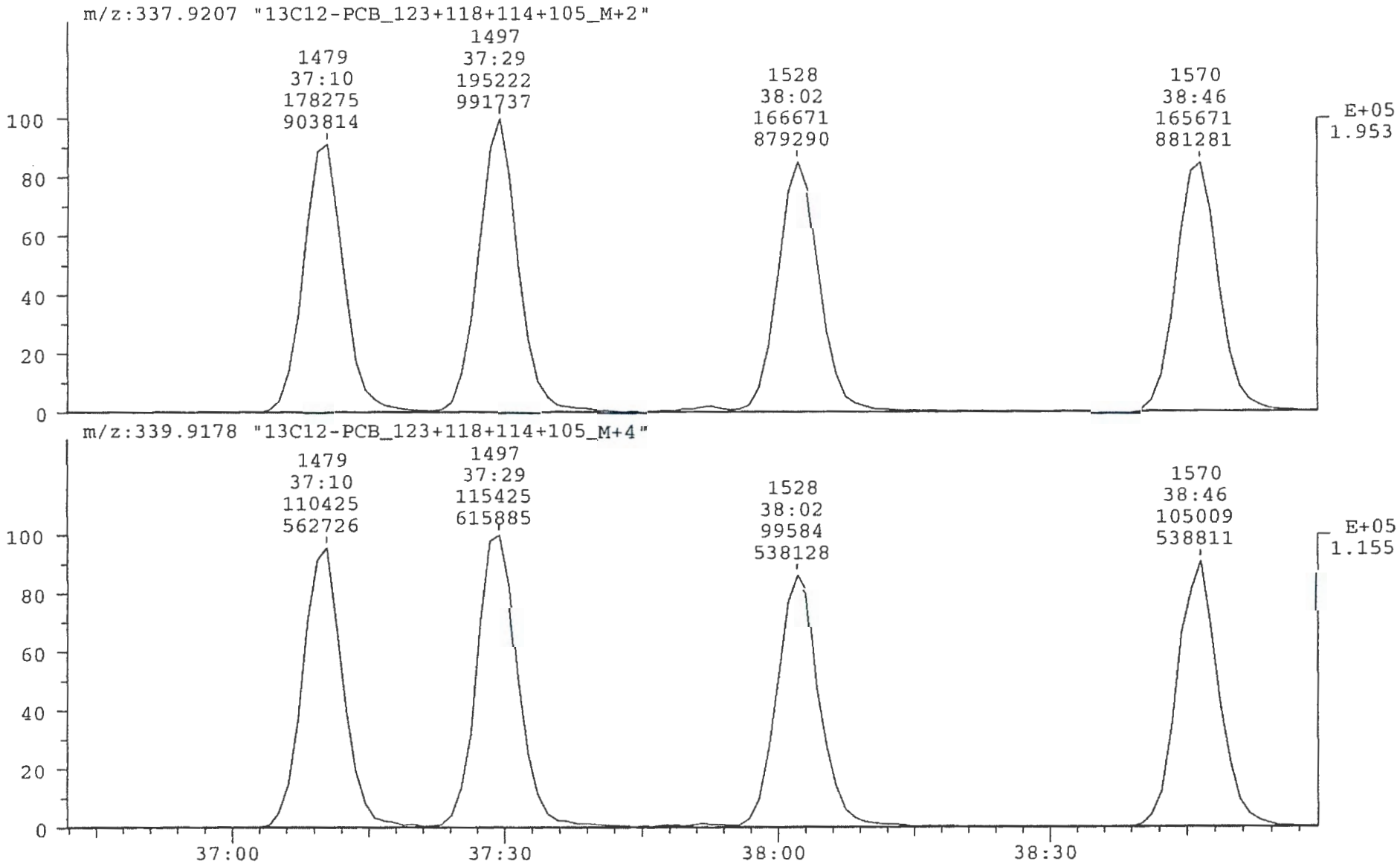
```
CHRO:  apj7v9q                                12-Oct-07  Elapse:  34:07      1310
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002             Inlet :  GC     Vial  14
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
```



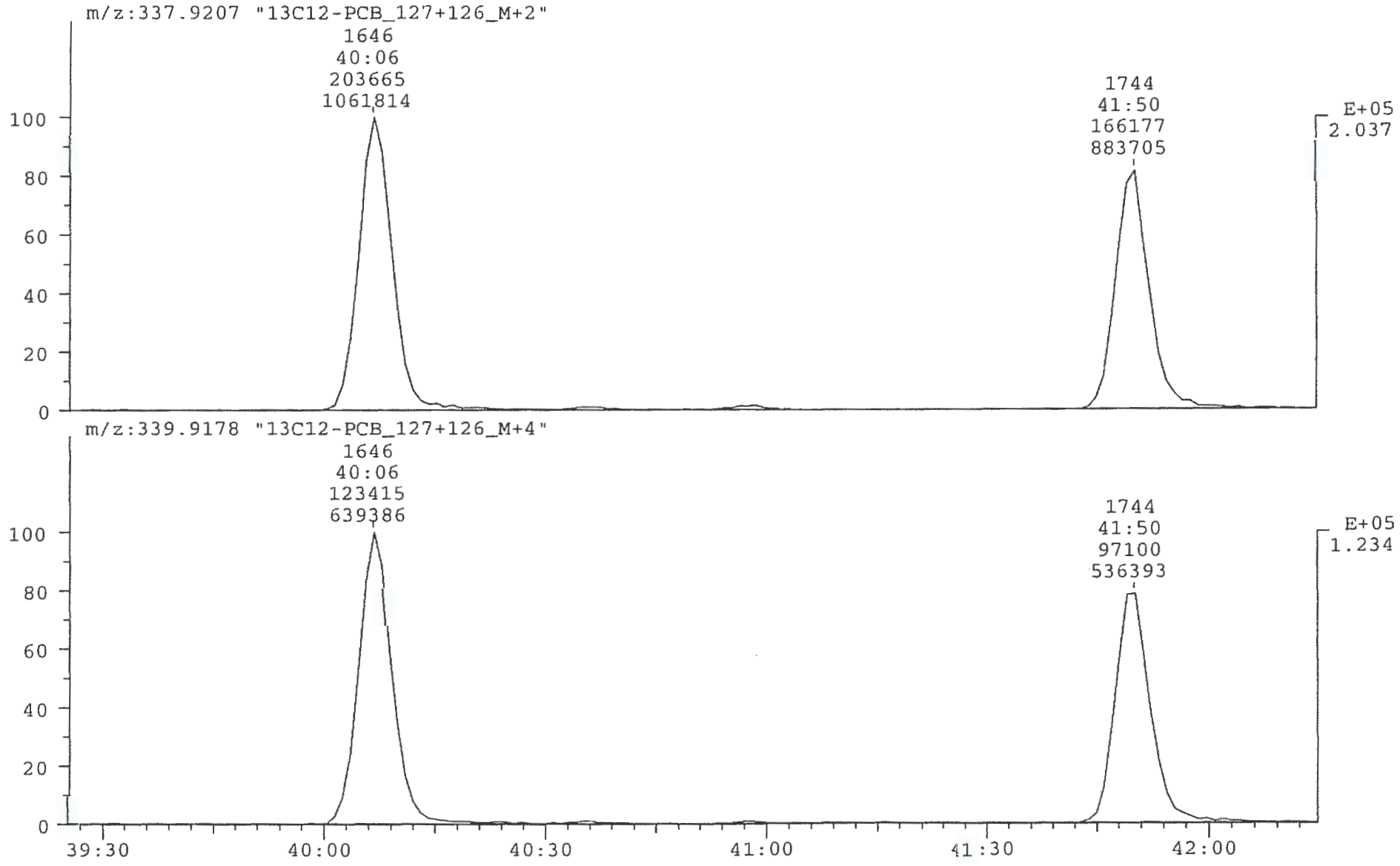
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  30:37      1111
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
Peak:  100.00  ppm      Label wndw:   802 > 1420          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



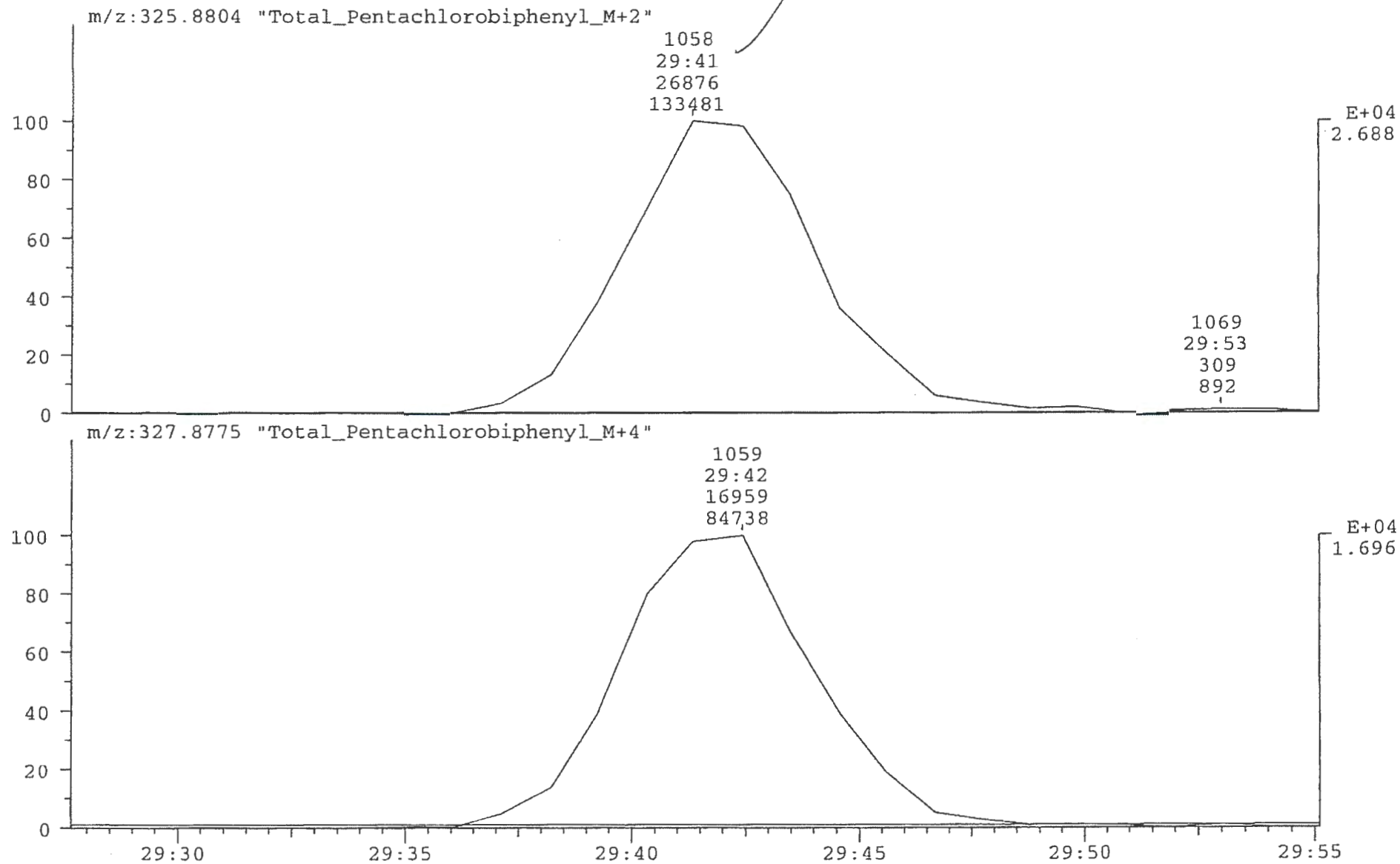
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  37:50       1517
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC      Vial  14
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
```



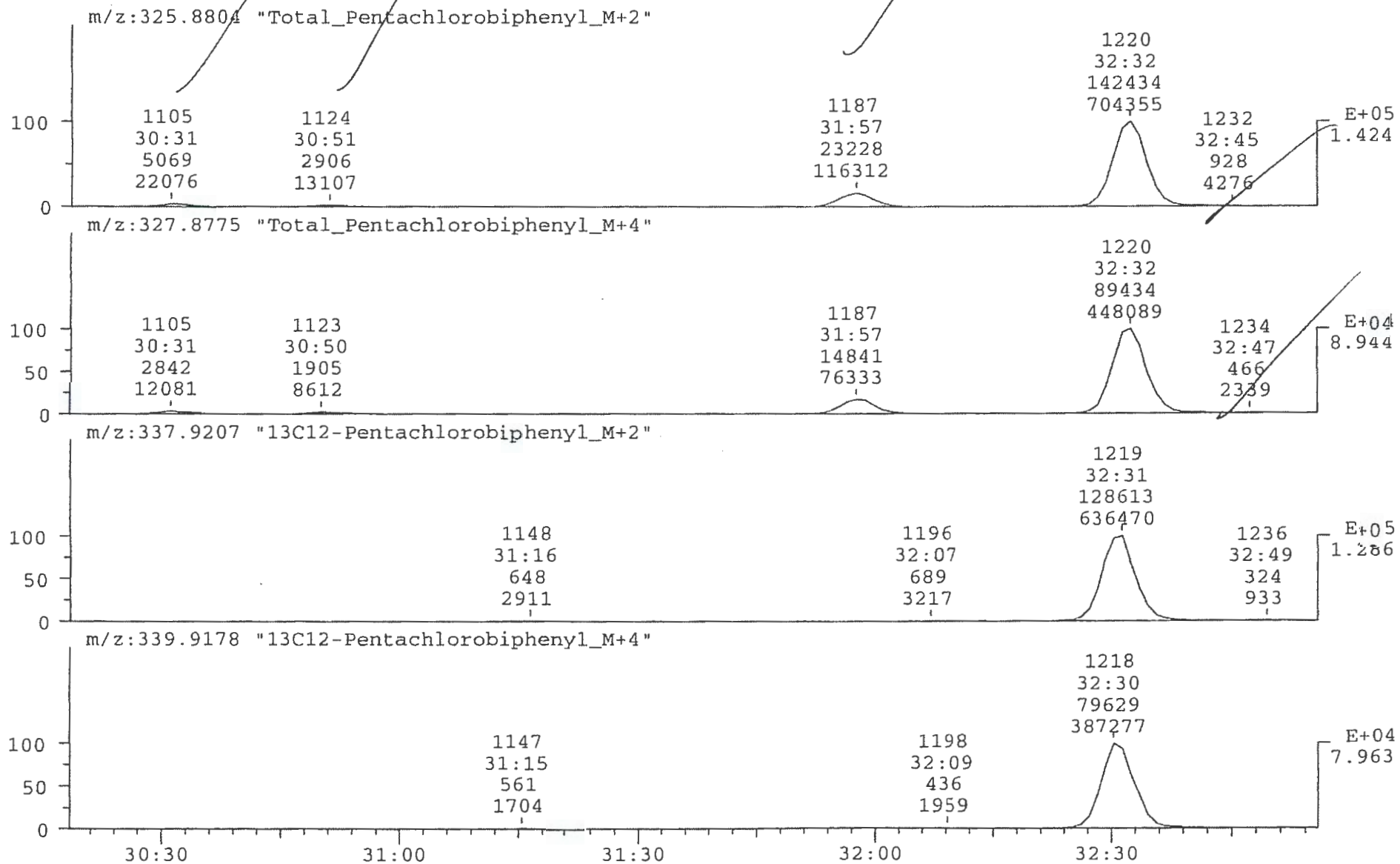
CHRO: apj7v9q 12-Oct-07 Elapse: 40:50 1687
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1607 > 1767 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



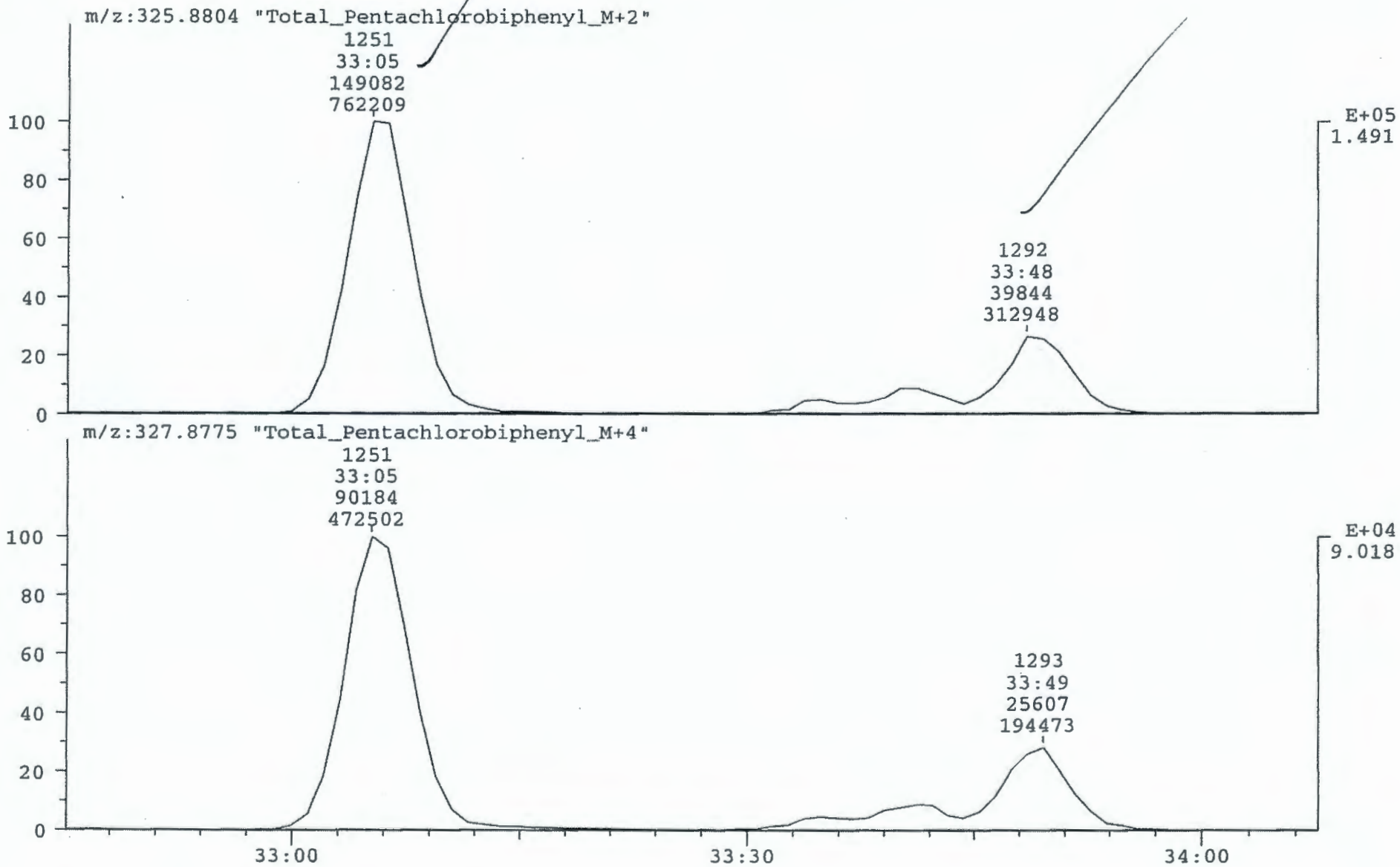
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC      Vial 14
Peak:  100.00  ppm      Label wndw:   1045 > 1071         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



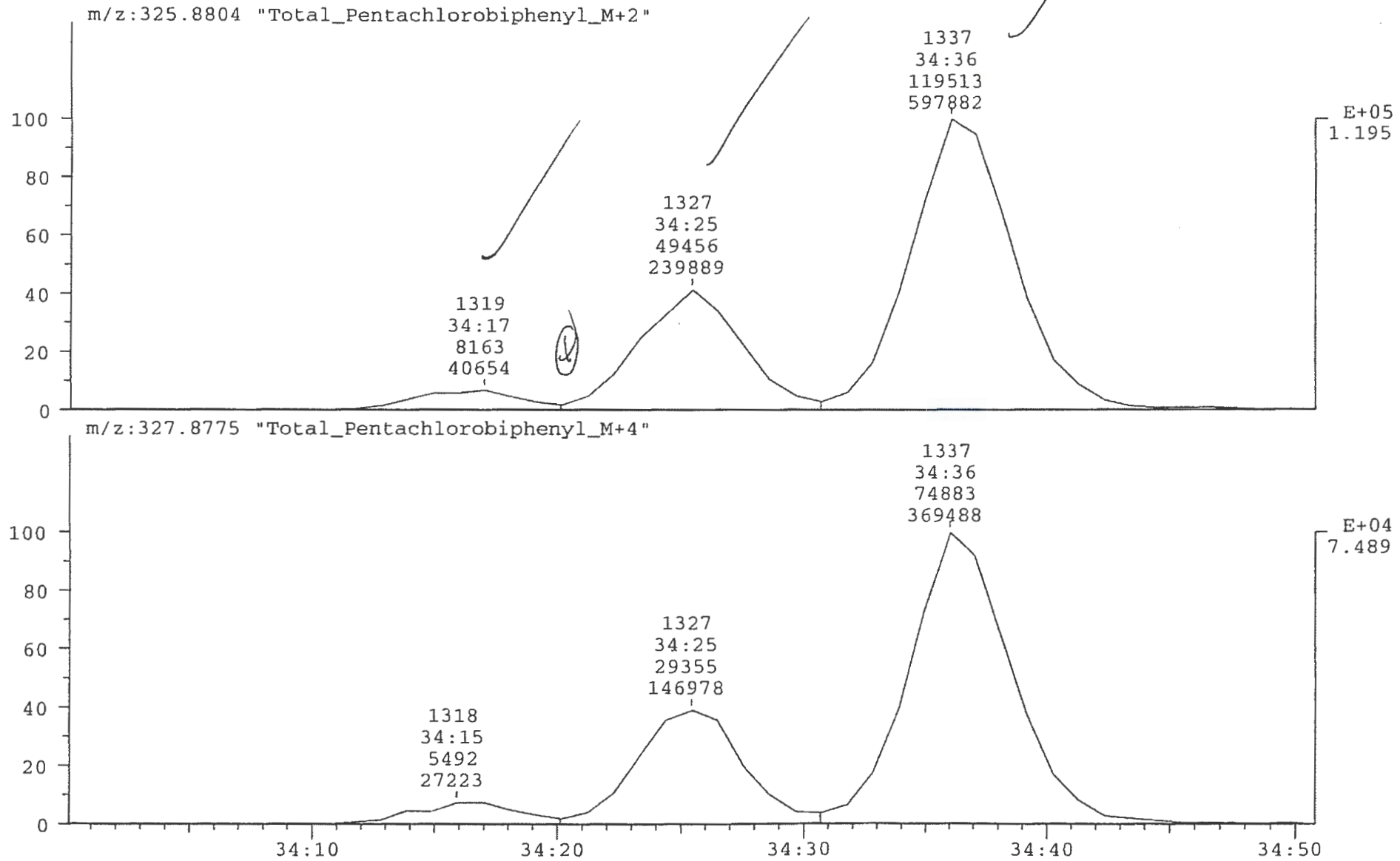
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1093 > 1242 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



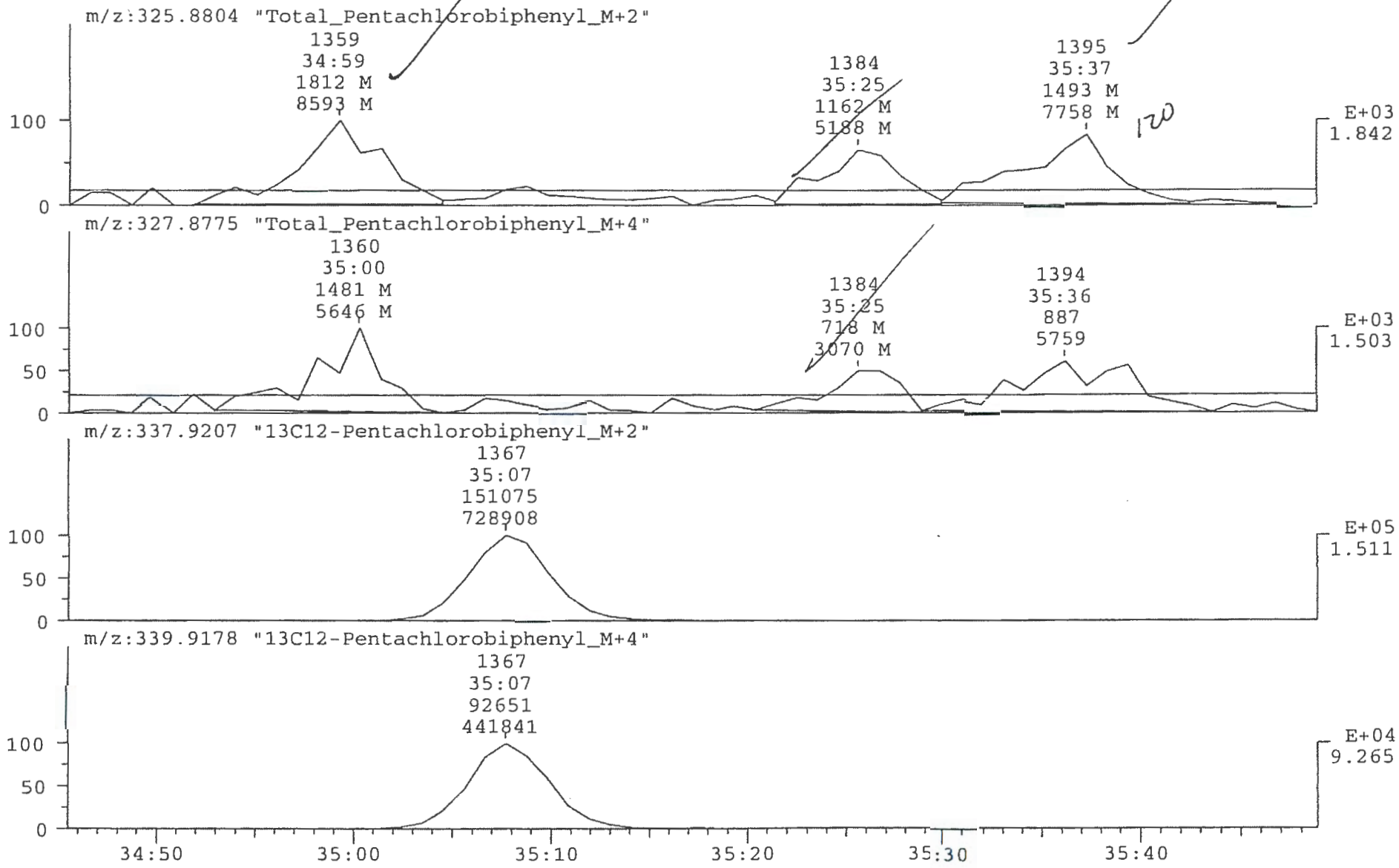
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1232 > 1310 Masses: 181 > 510
Area: 5, 0.00, 0 Baseline : 100, 7 Label : -3, 3.0
Disp: Height Area



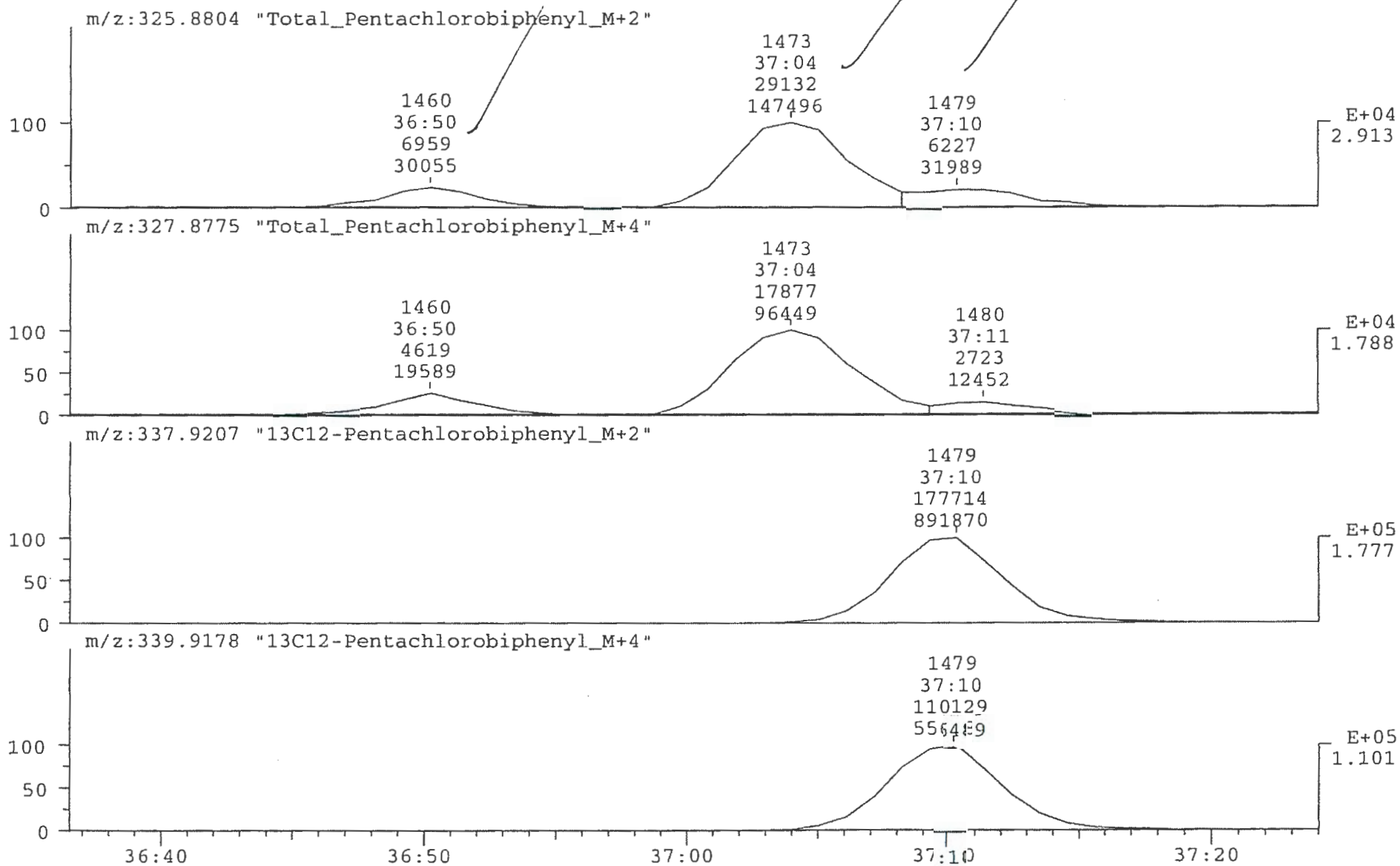
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1303 > 1351 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



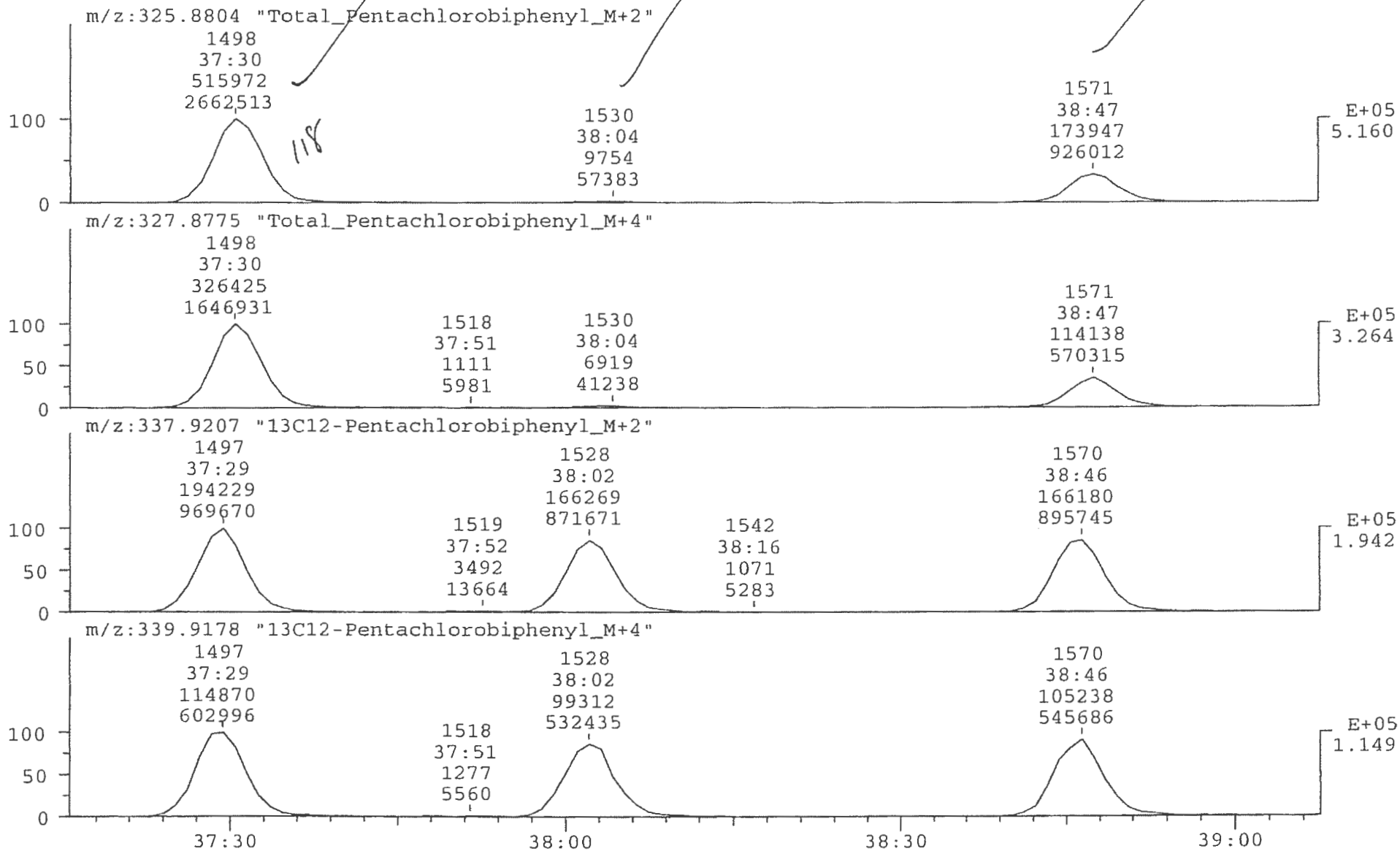
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1346 > 1406 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -4, 4.0
Disp: Height Area



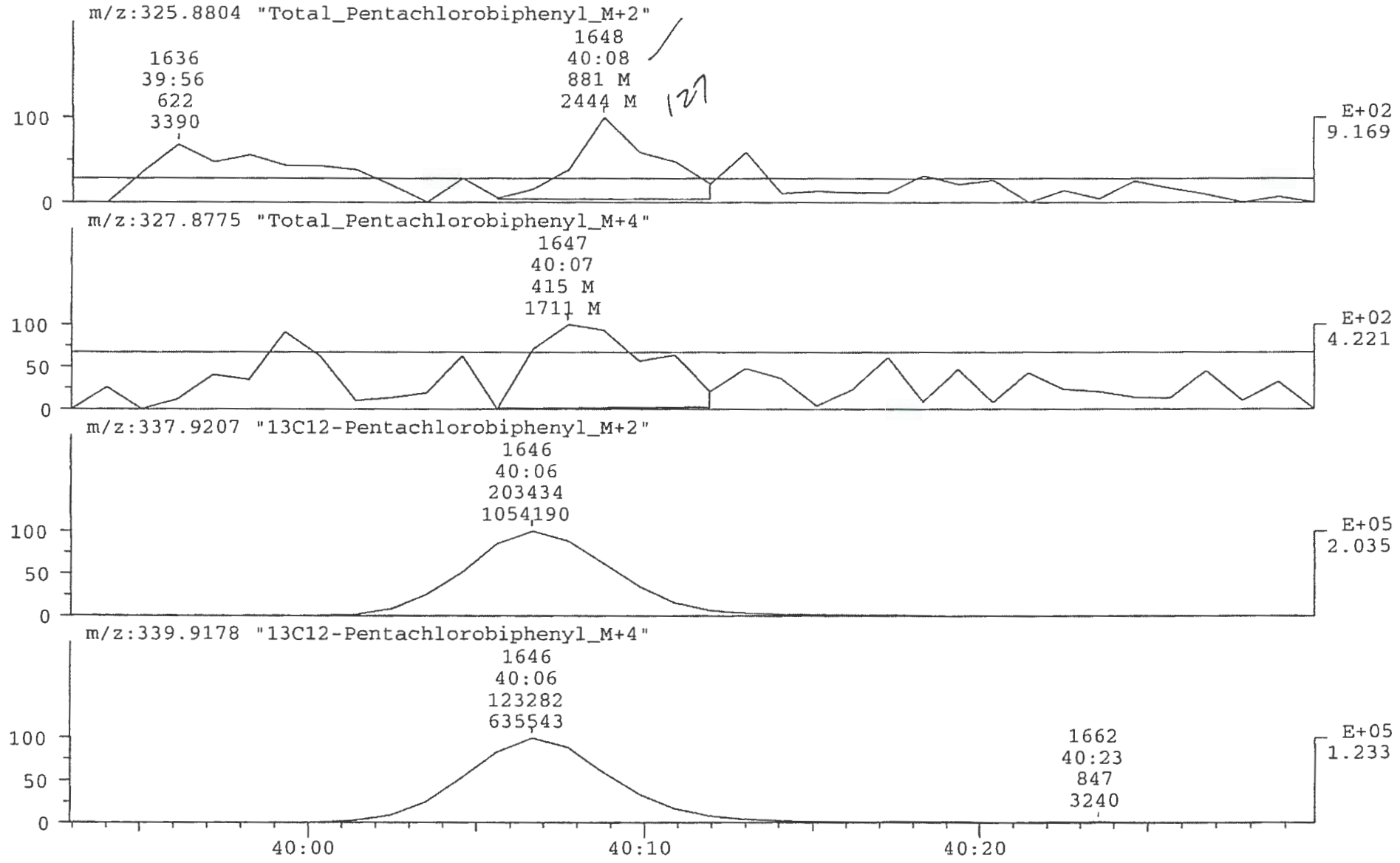
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1447 > 1492 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 2 Label : -3, 3.0
Disp: Height Area



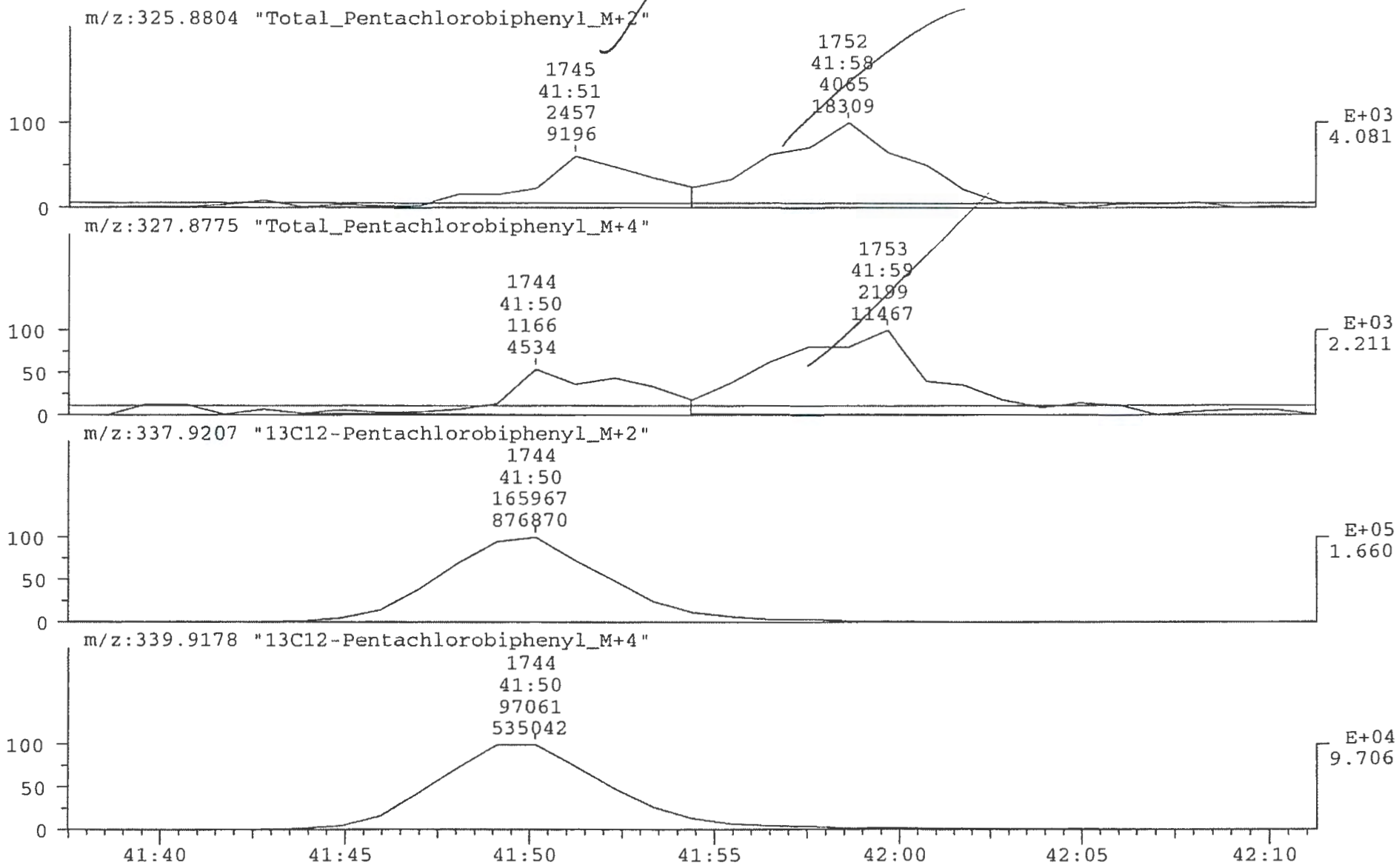
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1484 > 1590 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



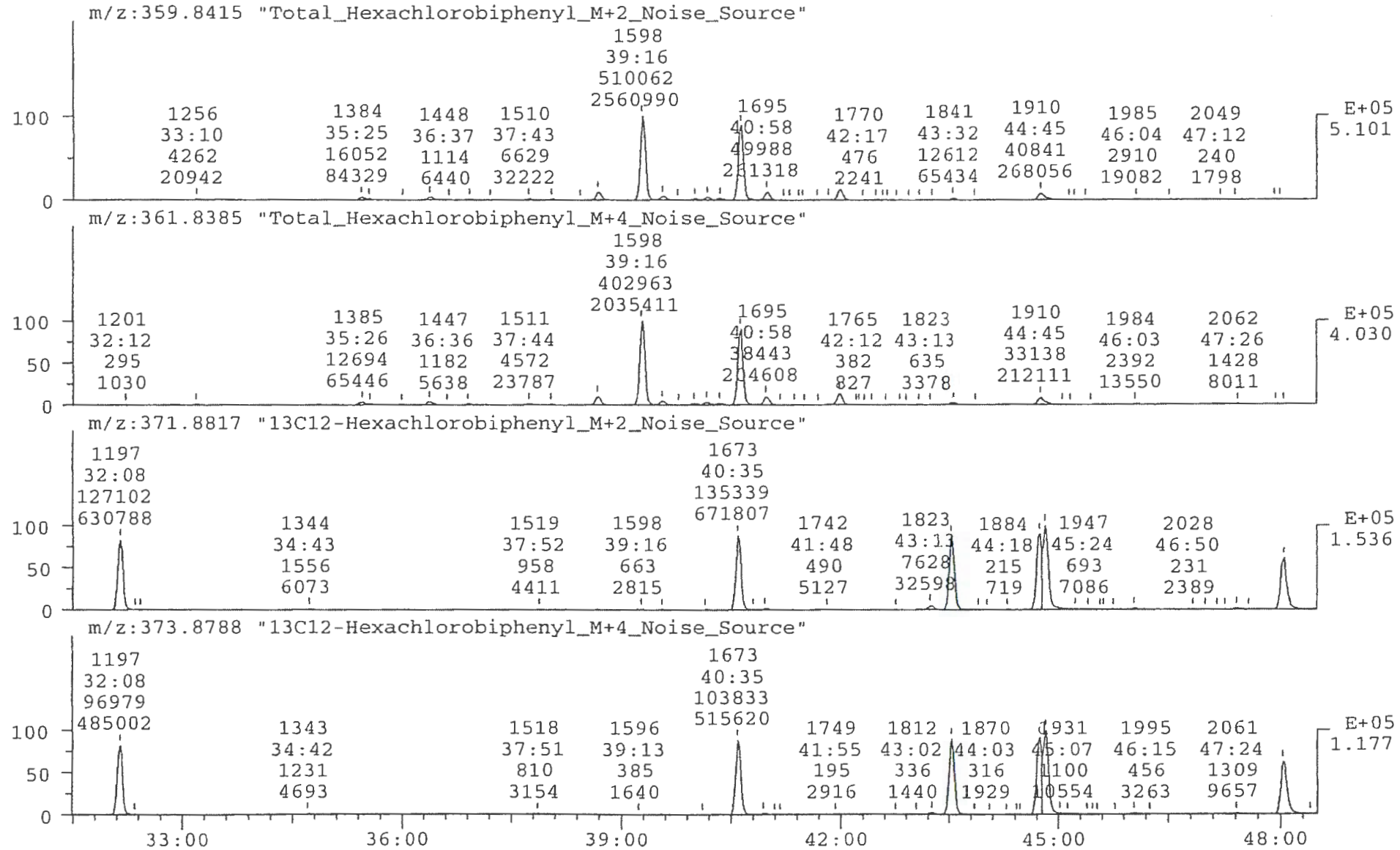
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
Peak:  100.00  ppm      Label wndw:   1633 > 1668         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



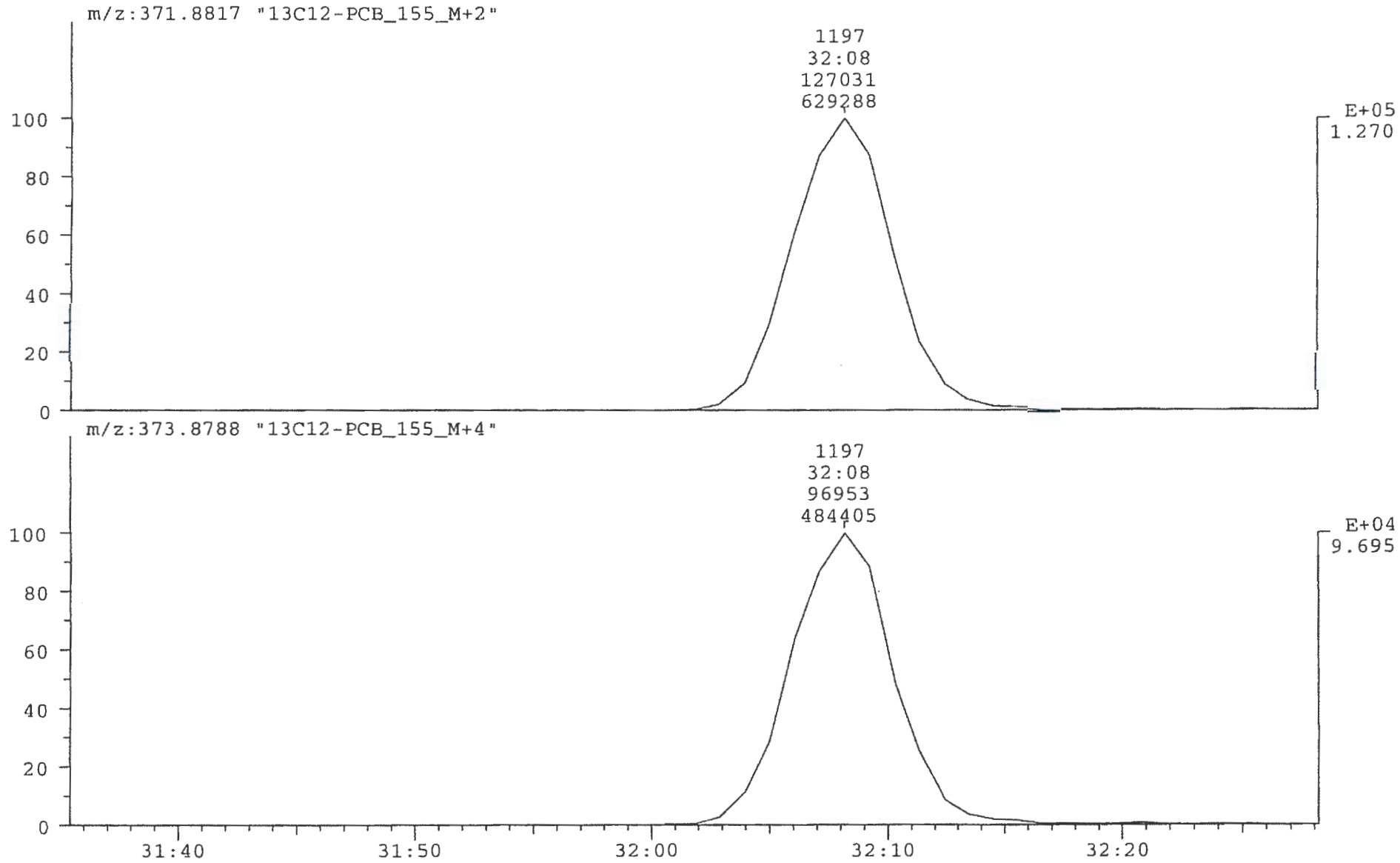
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1732 > 1764 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



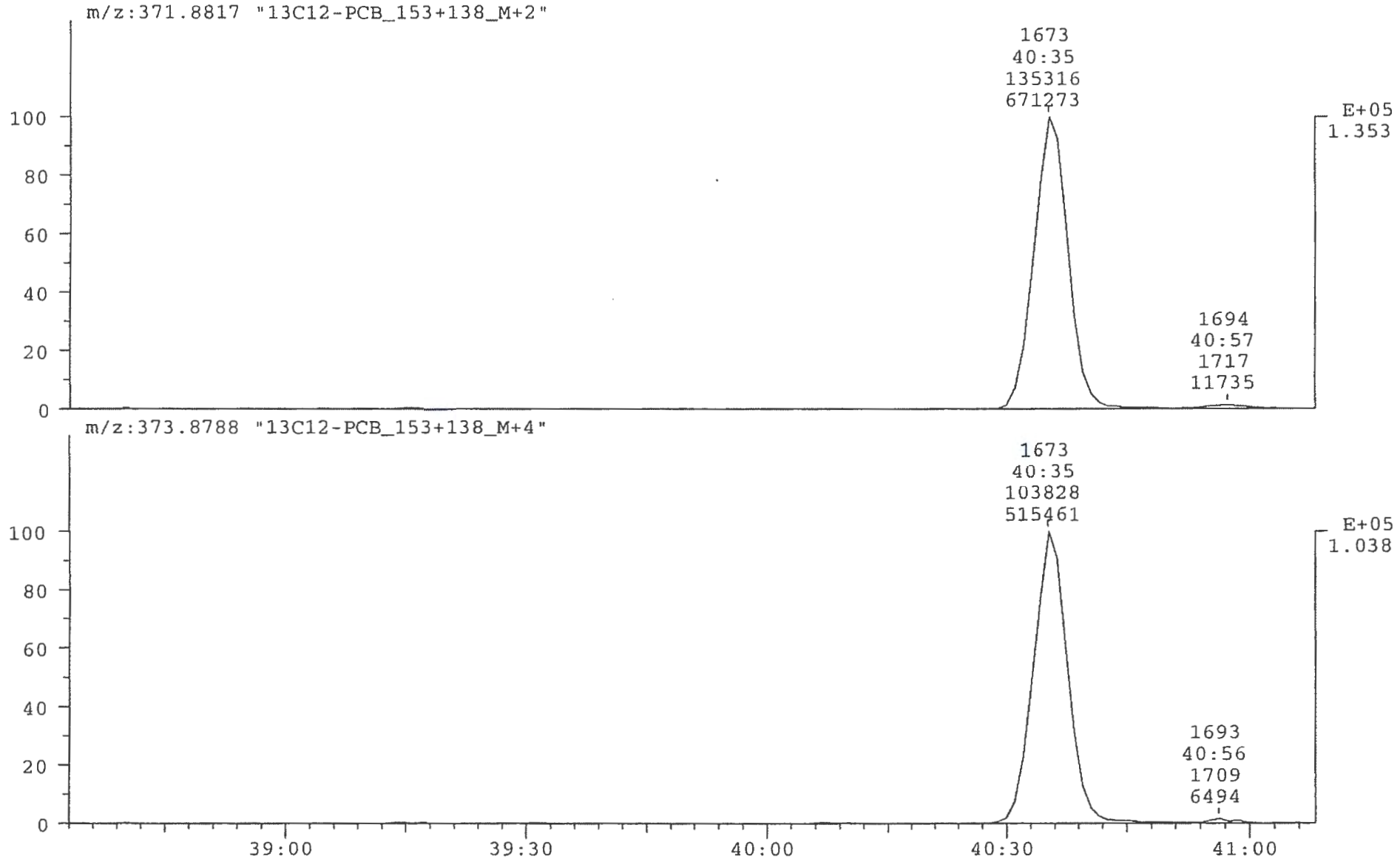
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  39:59      1639
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
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
```



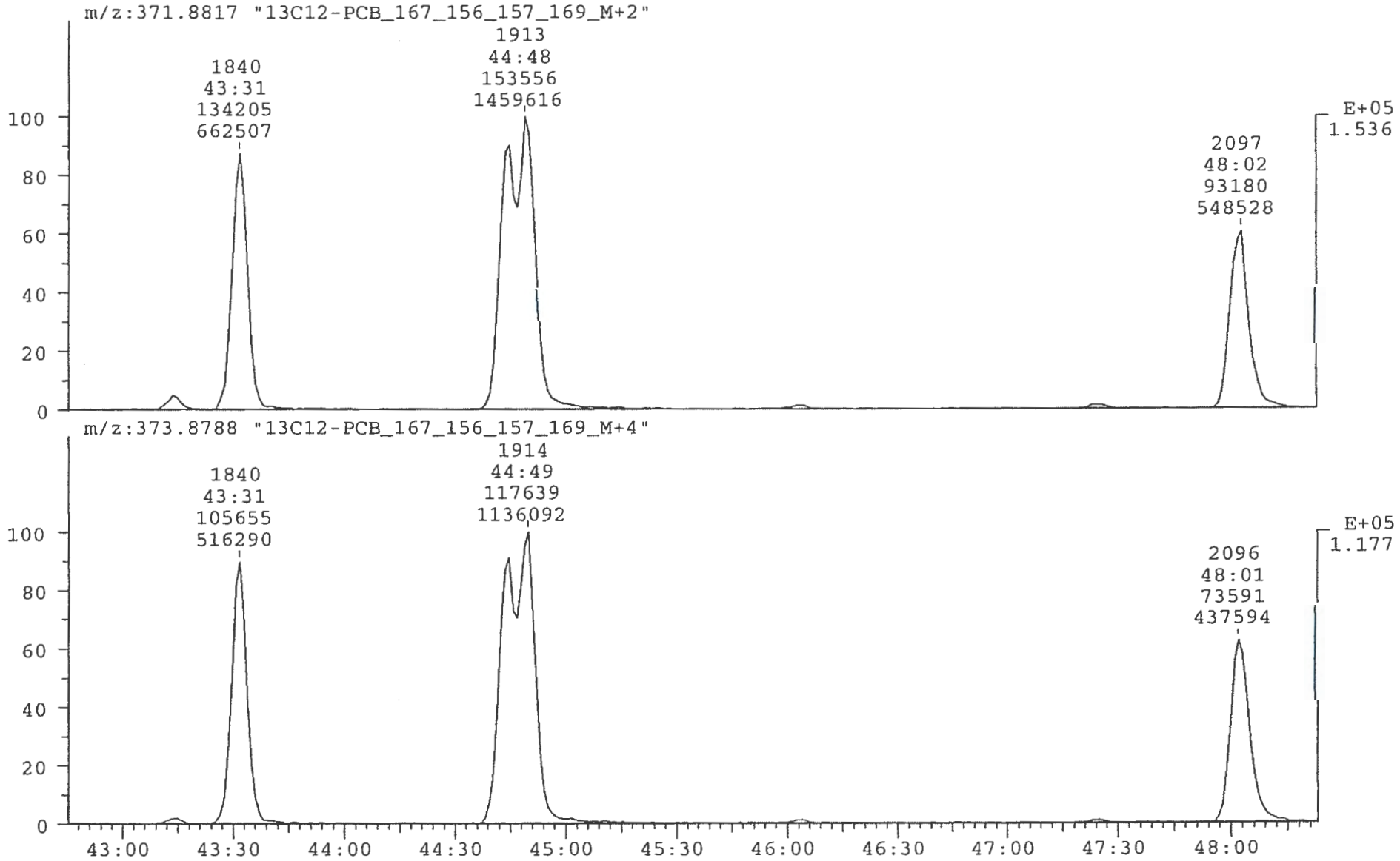
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  32:01      1191
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
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
```



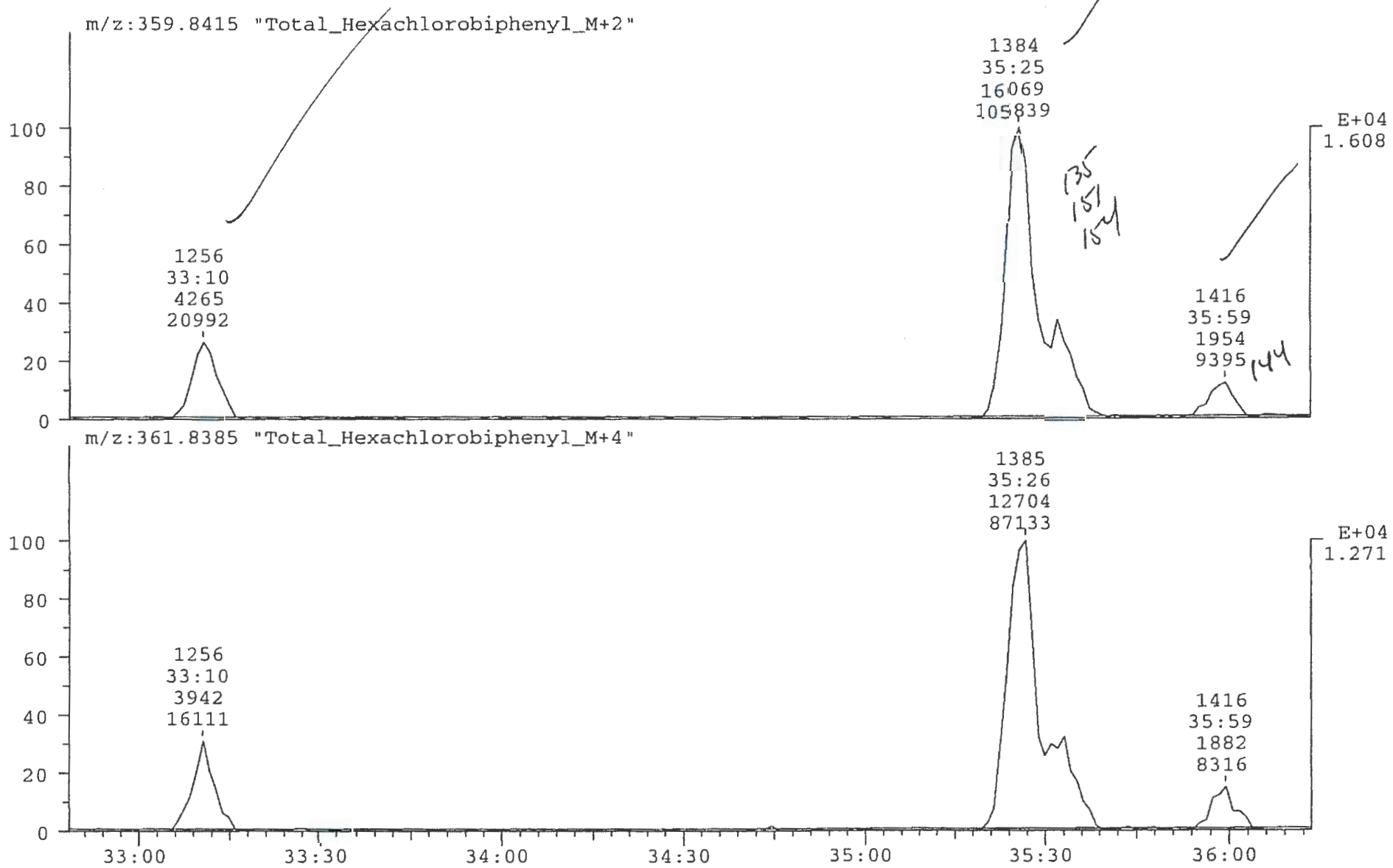
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  39:49      1630
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
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
```



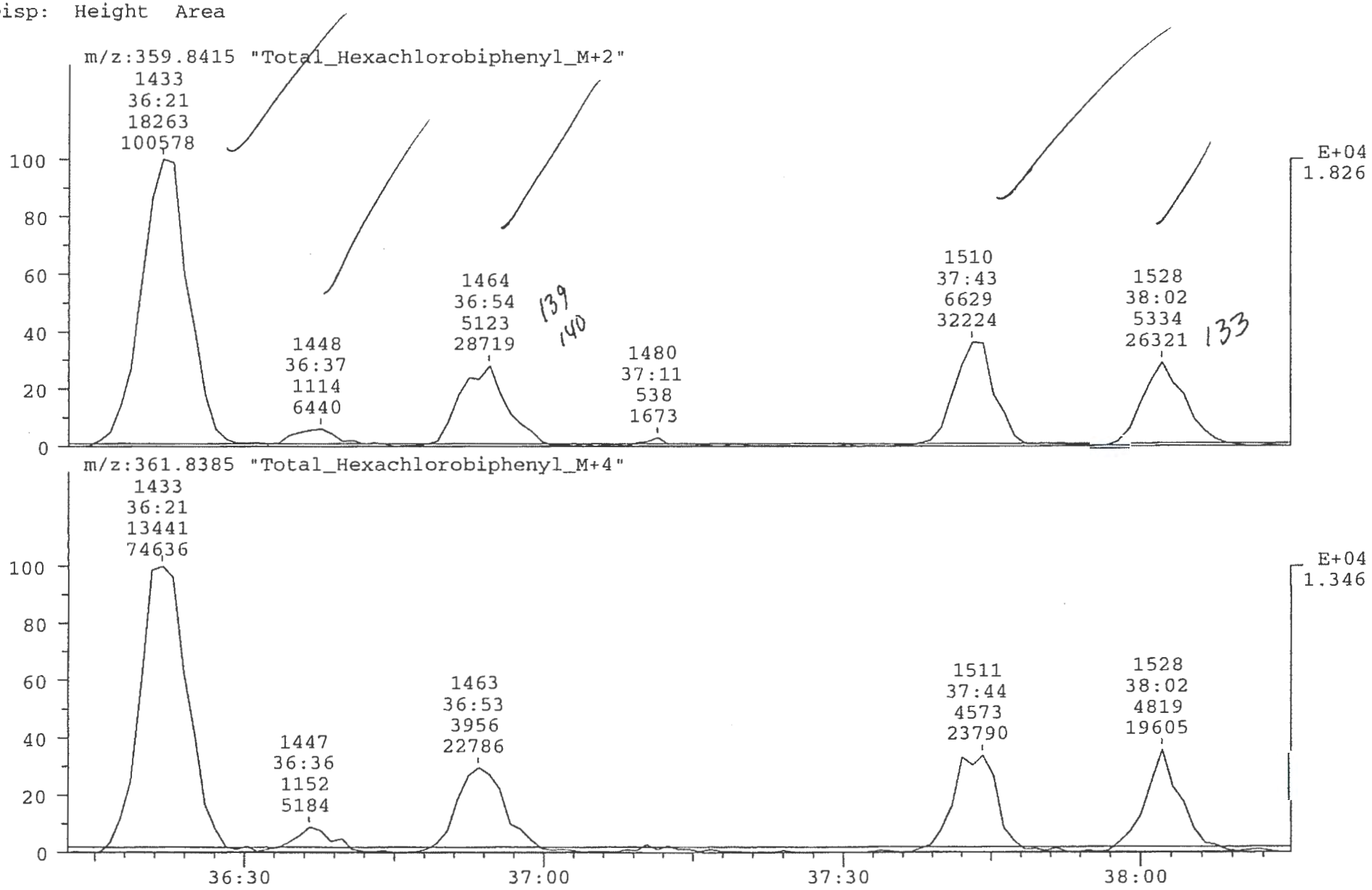
CHRO: apj7v9q 12-Oct-07 Elapse: 45:39 1961
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1796 > 2116 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 8 Label : -3, 3.0
Disp: Height Area



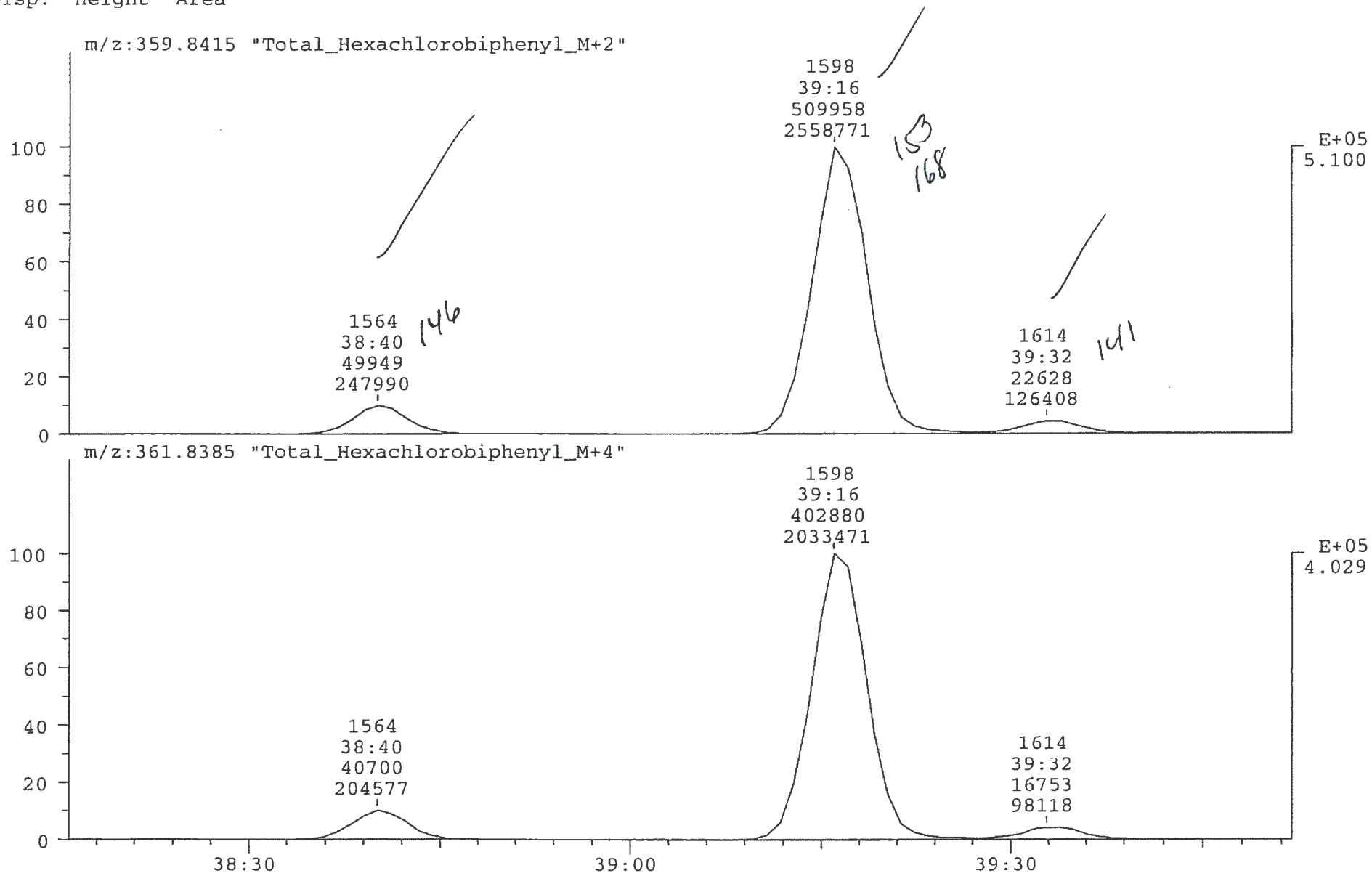
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1235 > 1425 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 5 Label : -3, 3.0
Disp: Height Area



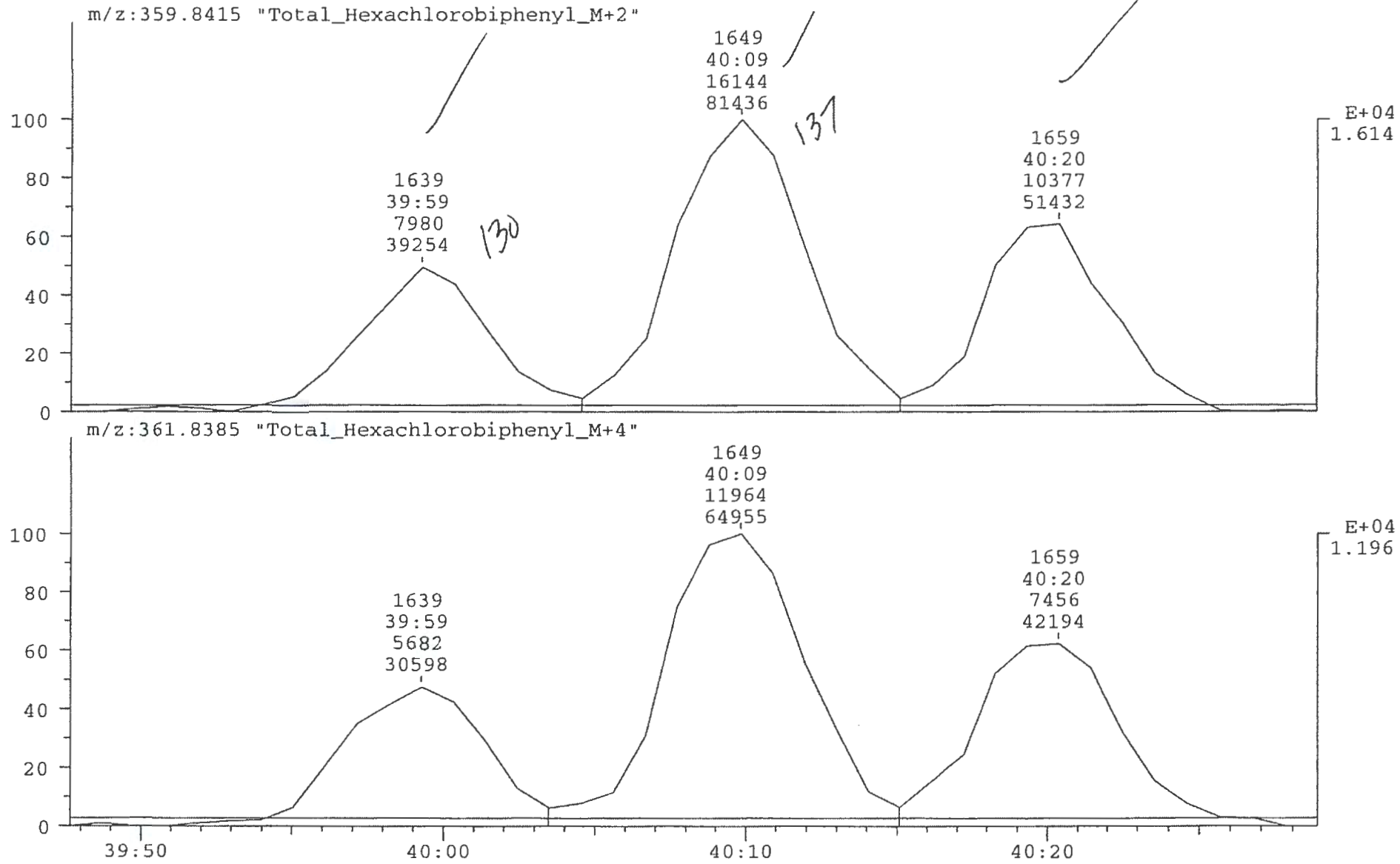
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1424 > 1540 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



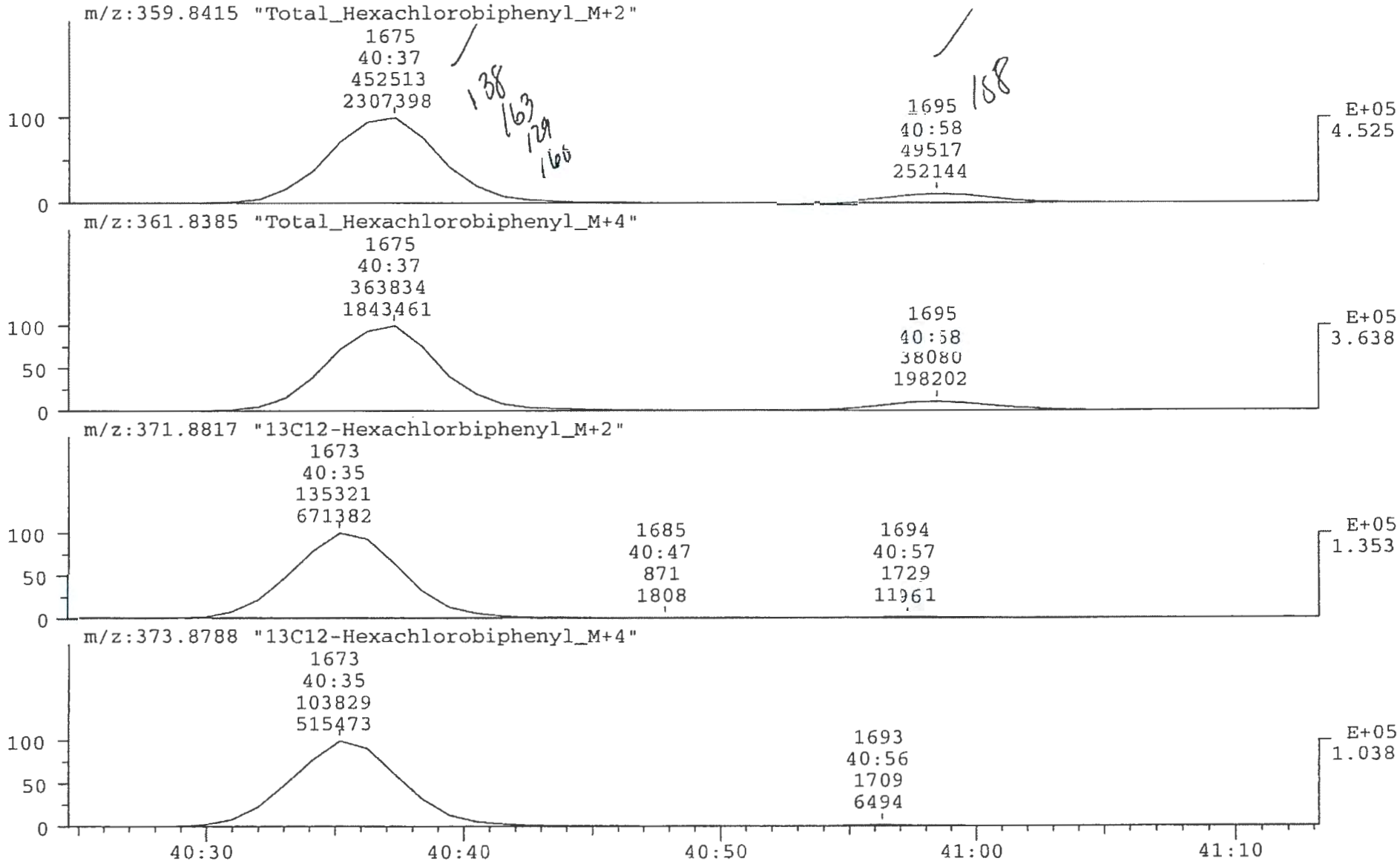
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1541 > 1632 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1628 > 1667 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area

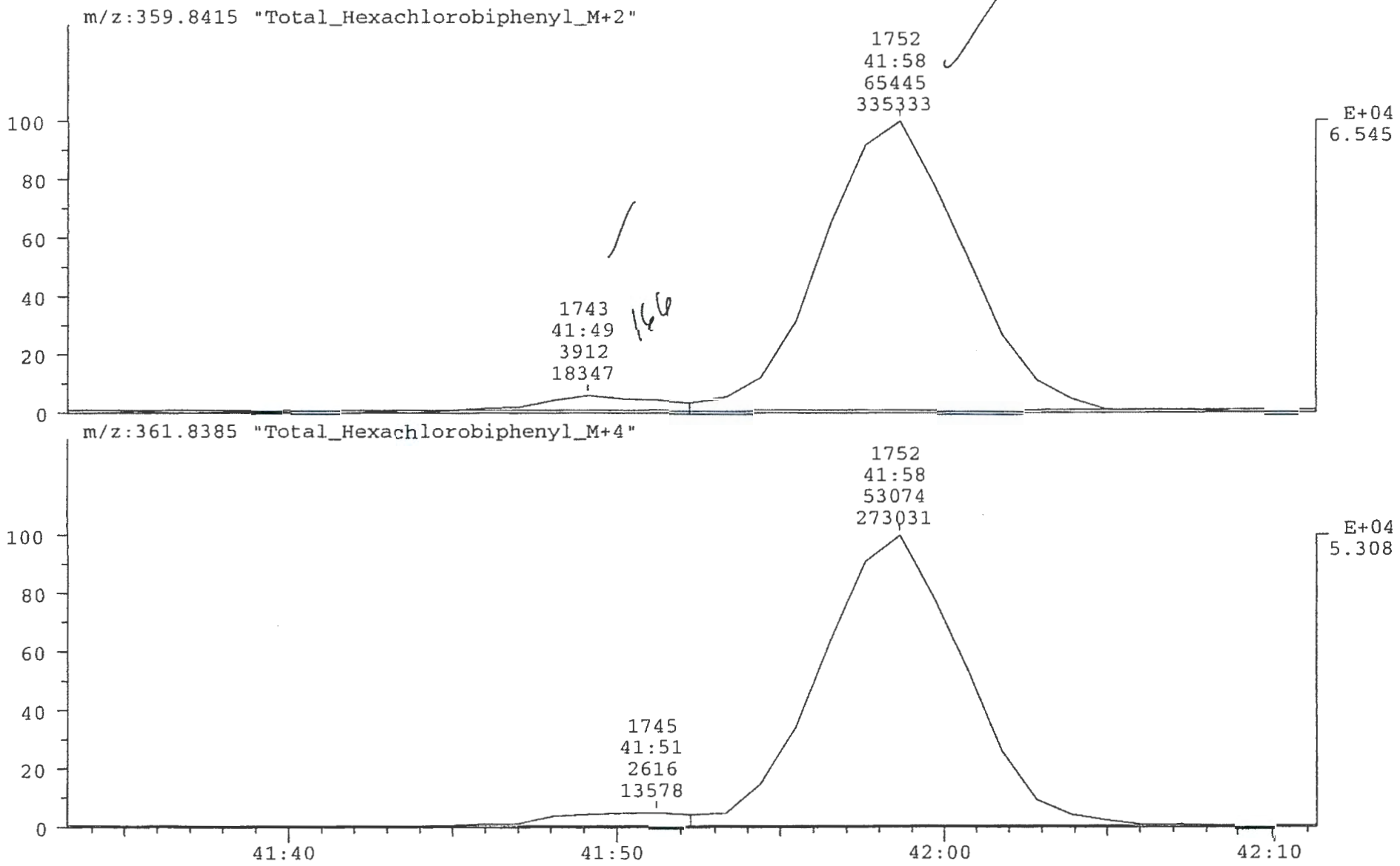


```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
Peak:  100.00  ppm      Label wndw:   1663 > 1709         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```

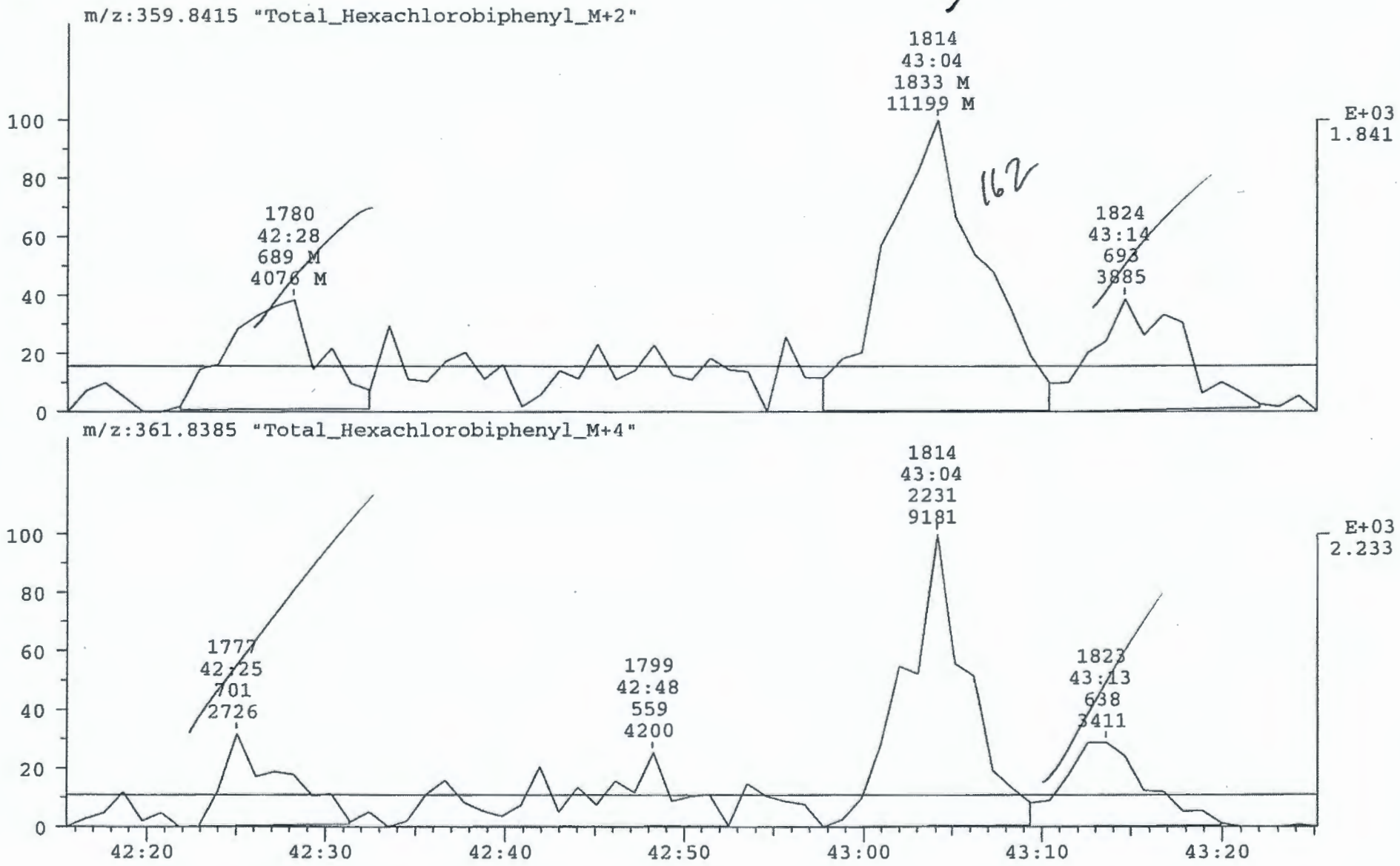


380

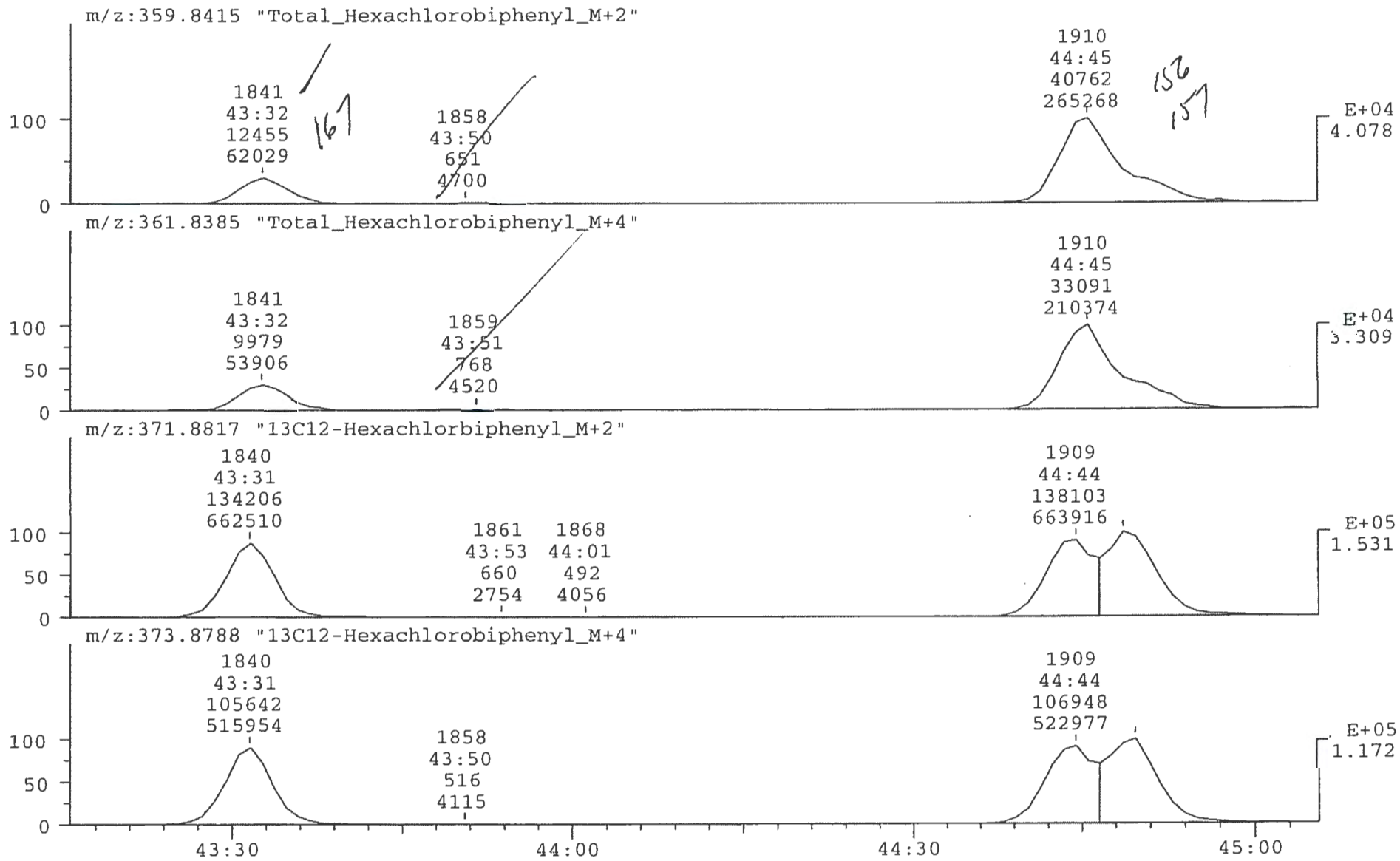
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial 14
Peak:  100.00  ppm      Label wndw:   1728 > 1764         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 2              Label :  -3, 3.0
Disp:  Height  Area
```



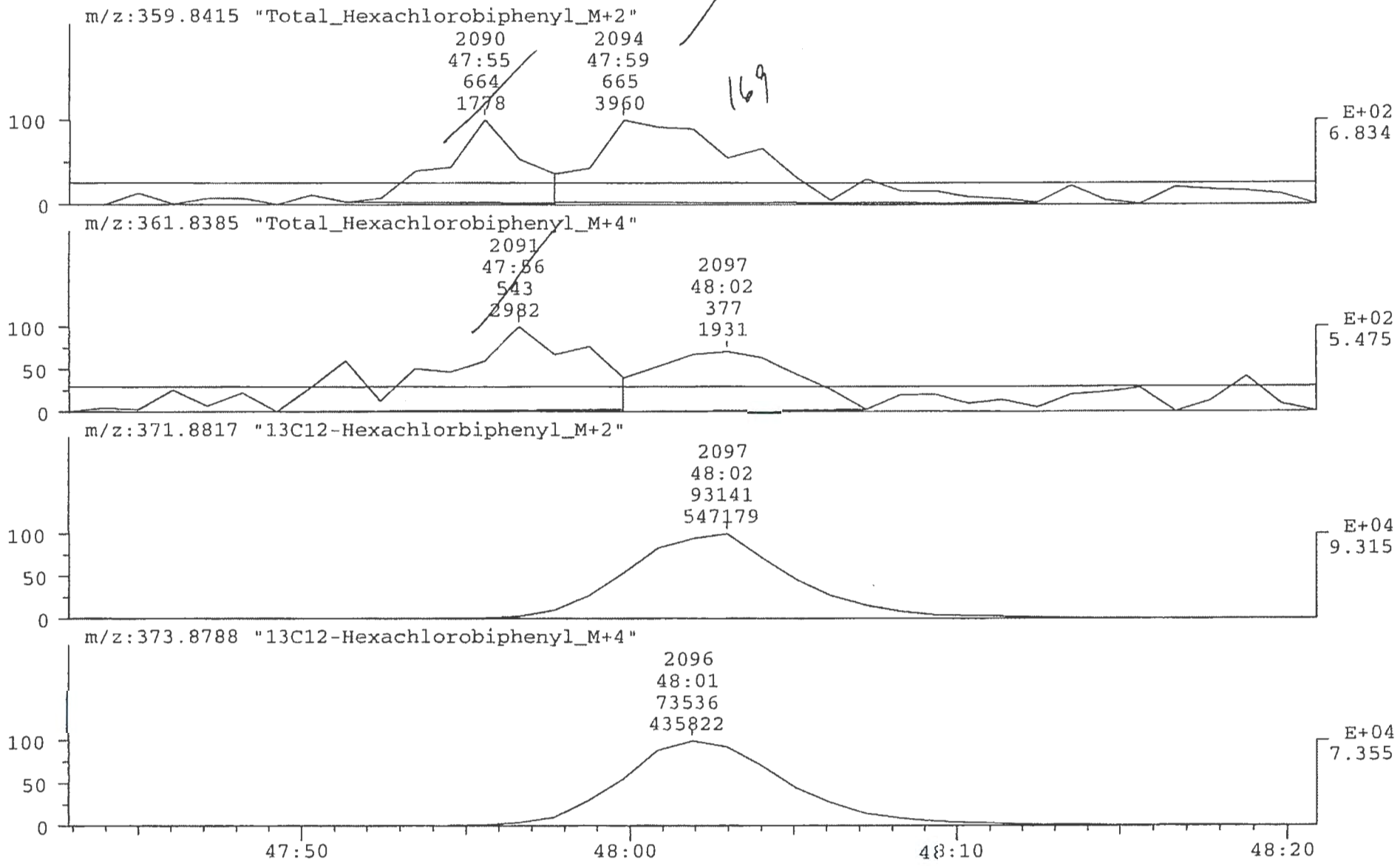
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1768 > 1834 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



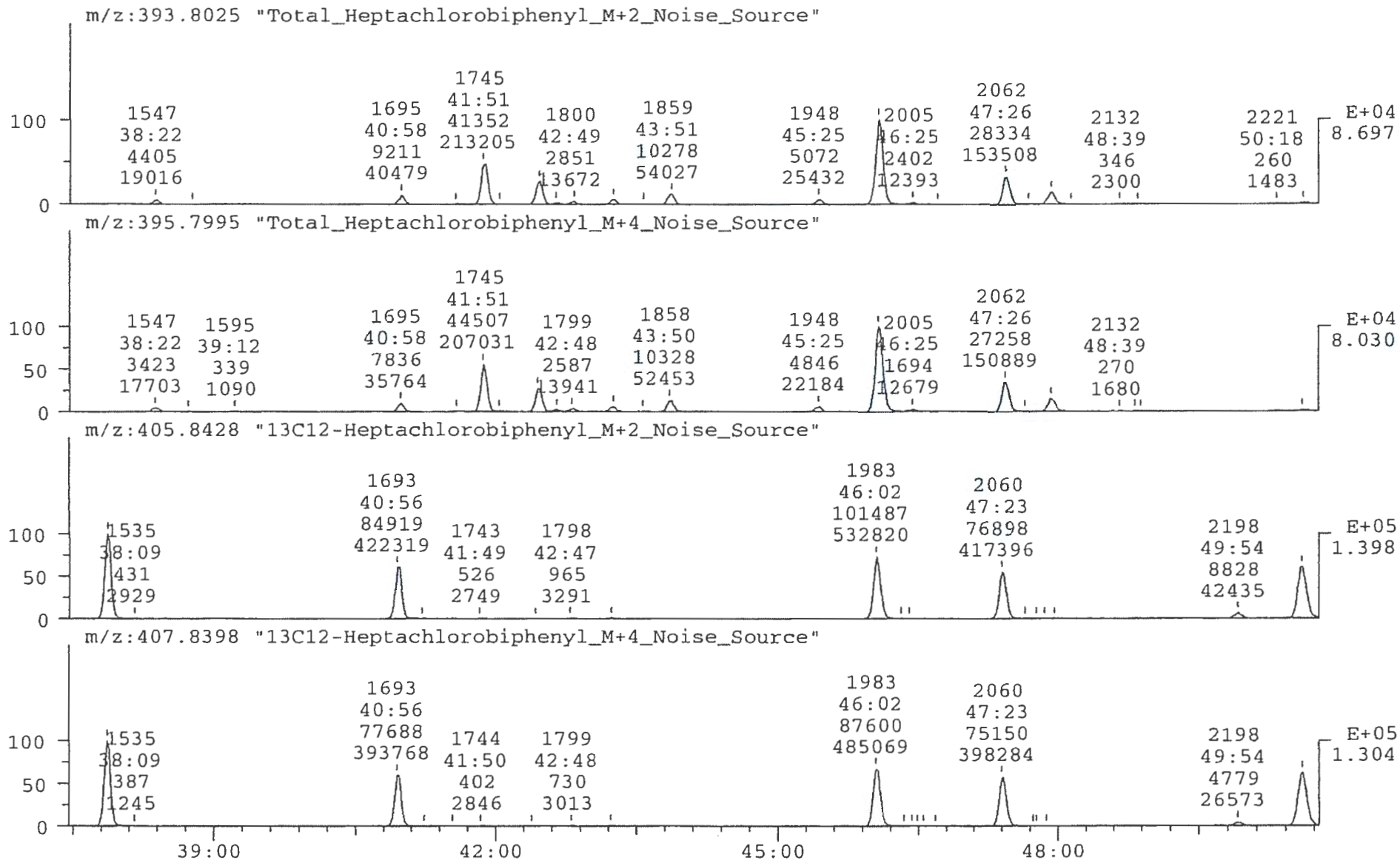
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC      Vial  14
Peak:  100.00  ppm      Label wndw:   1825 > 1929         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



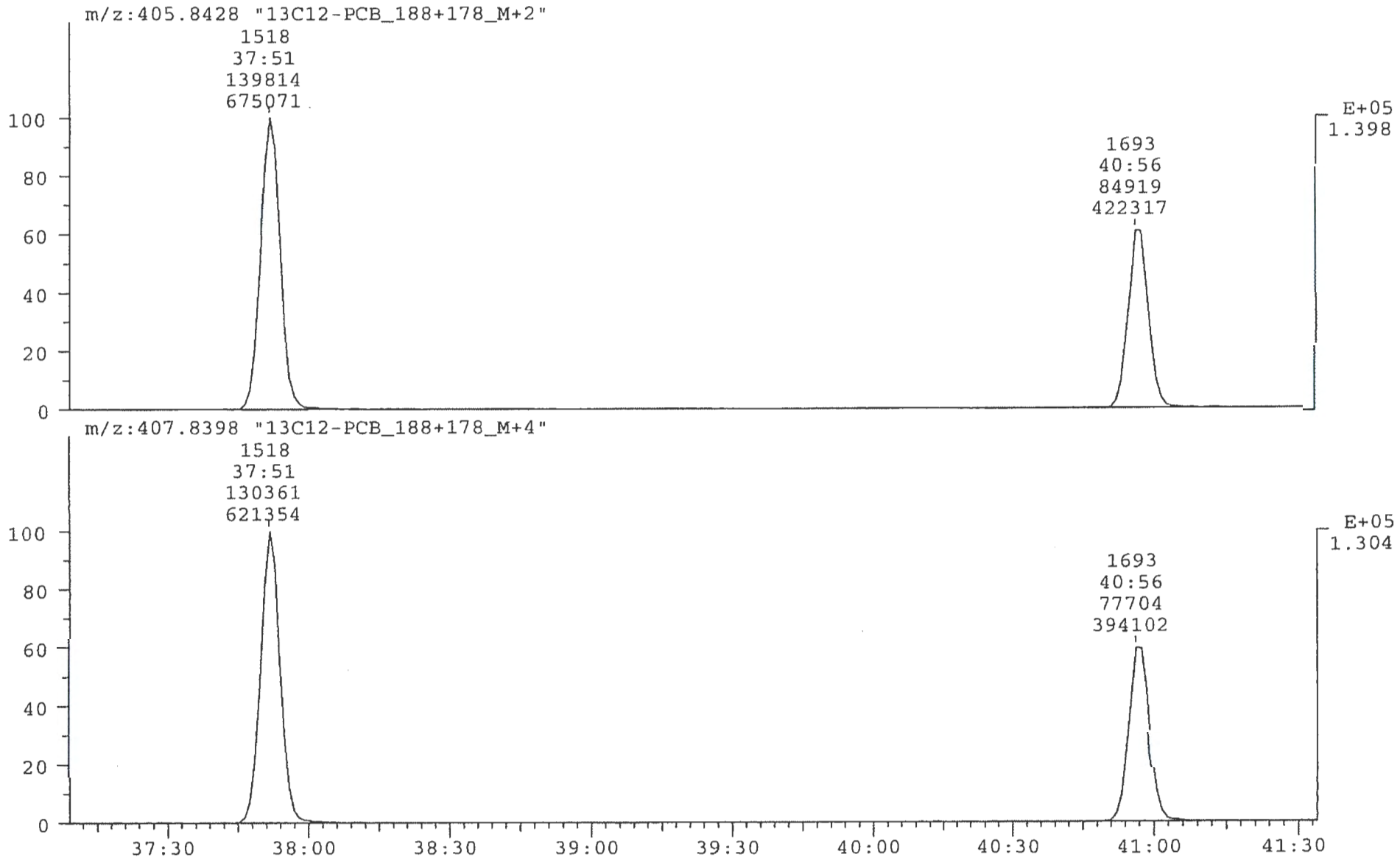
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 2078 > 2114 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



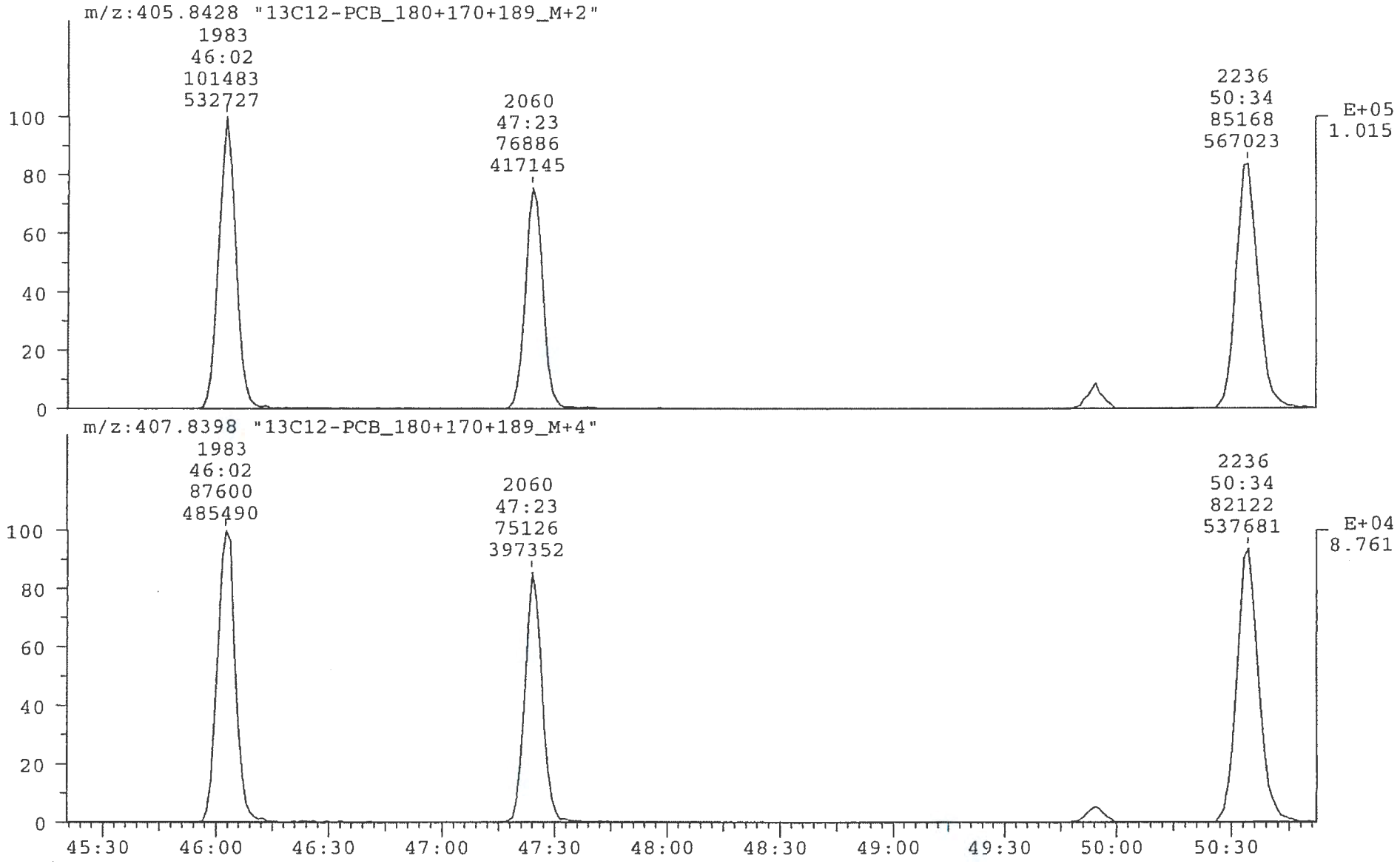
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  44:06      1873
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial 14
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
```



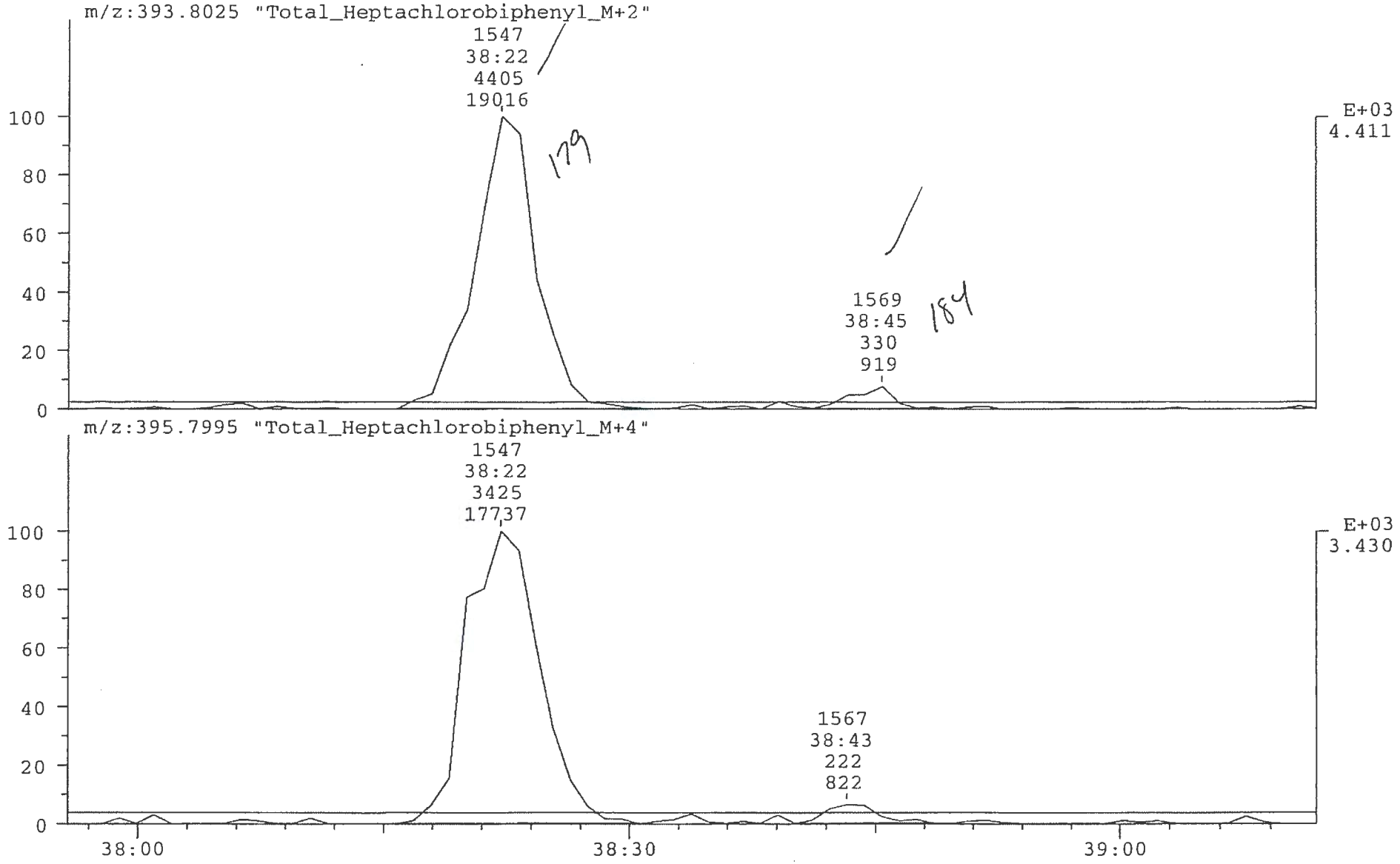
```
CHRO:  apj7v9q                                12-Oct-07  Elapse:  39:21      1603
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002             Inlet :  GC     Vial 14
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
```



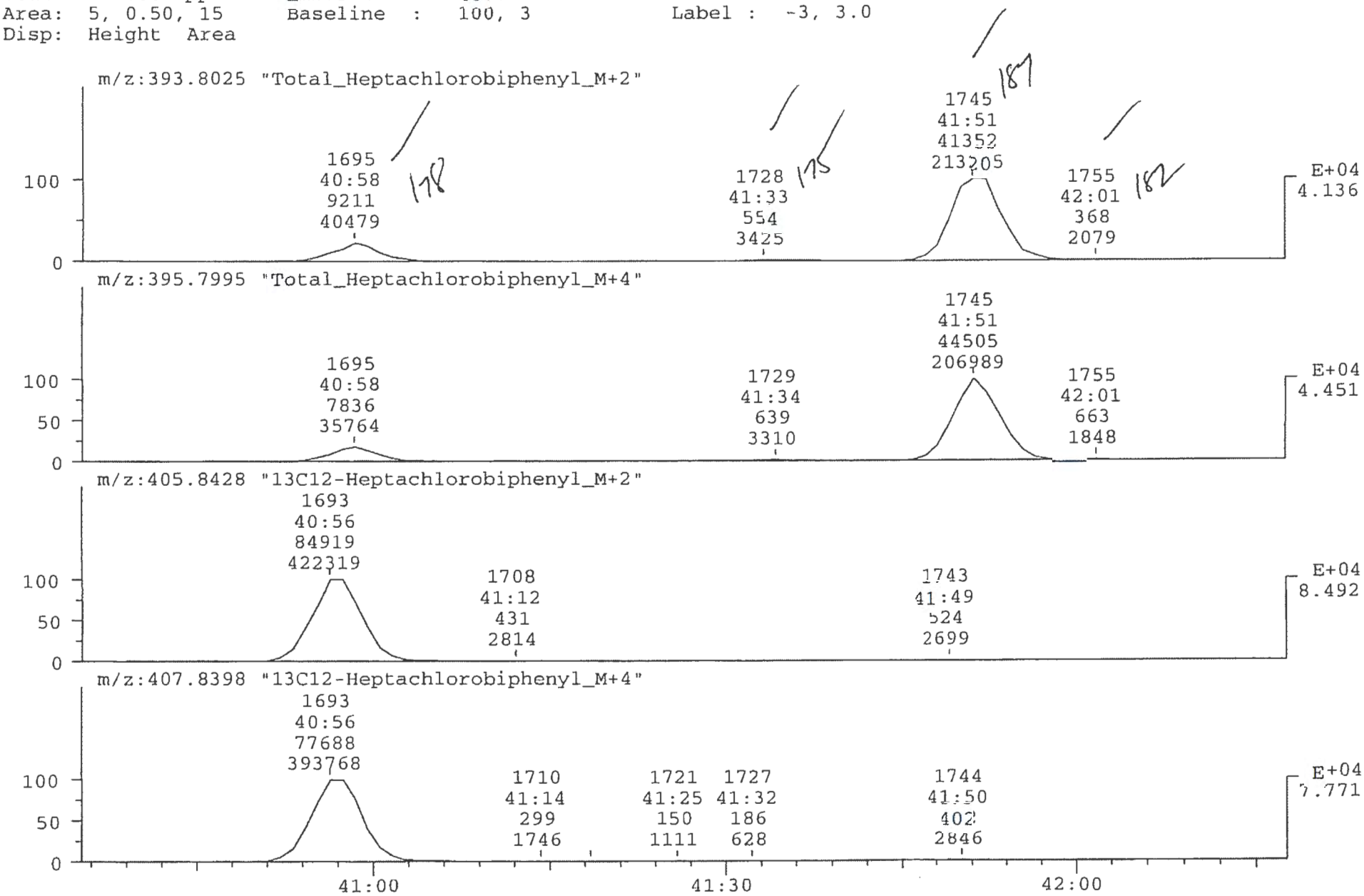
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  48:09      2103
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial 14
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
```



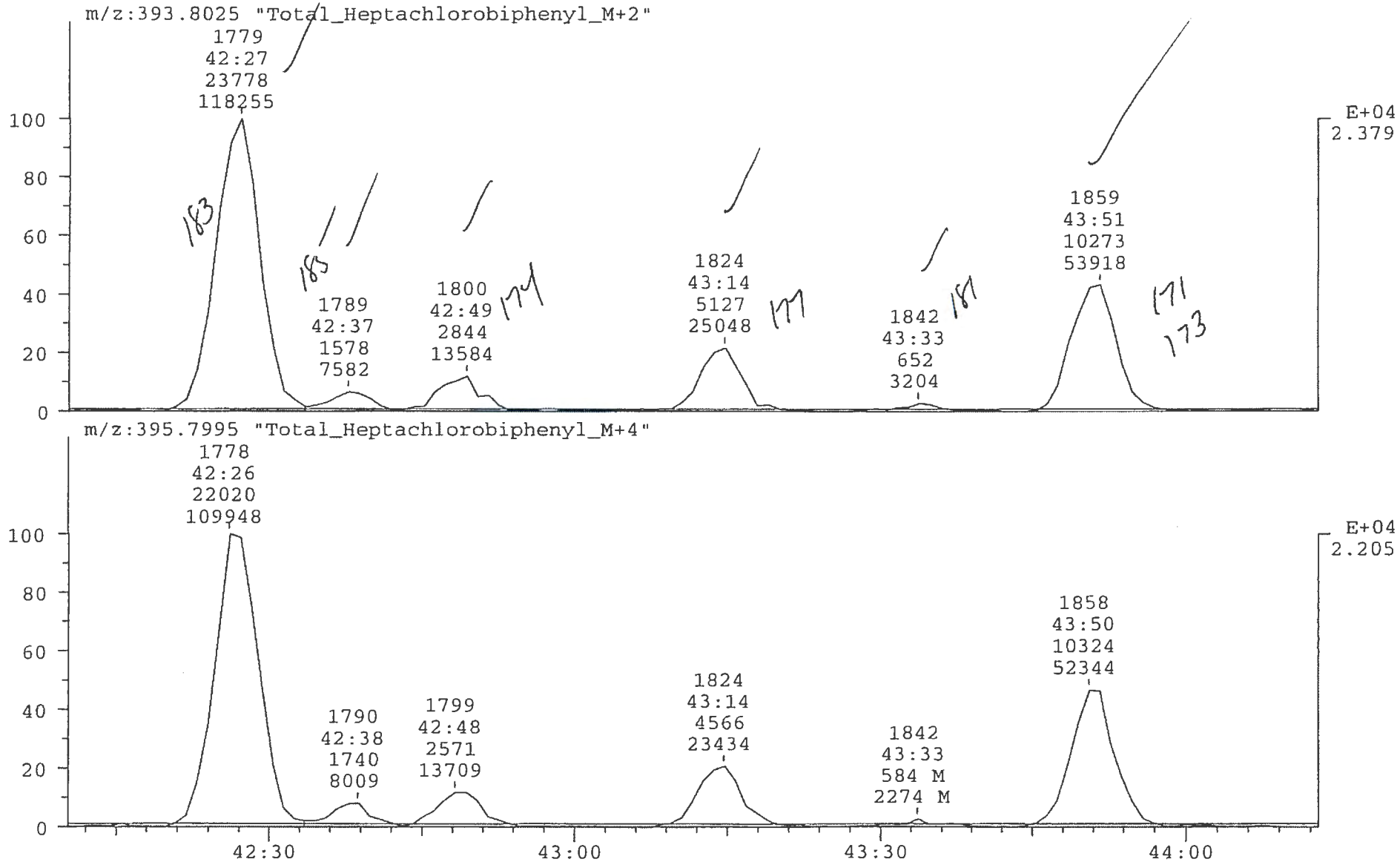
```
CHRO:  apj7v9q                                12-Oct-07  Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002             Inlet :  GC     Vial  14
Peak:  100.00  ppm      Label wndw:   1522 > 1594        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



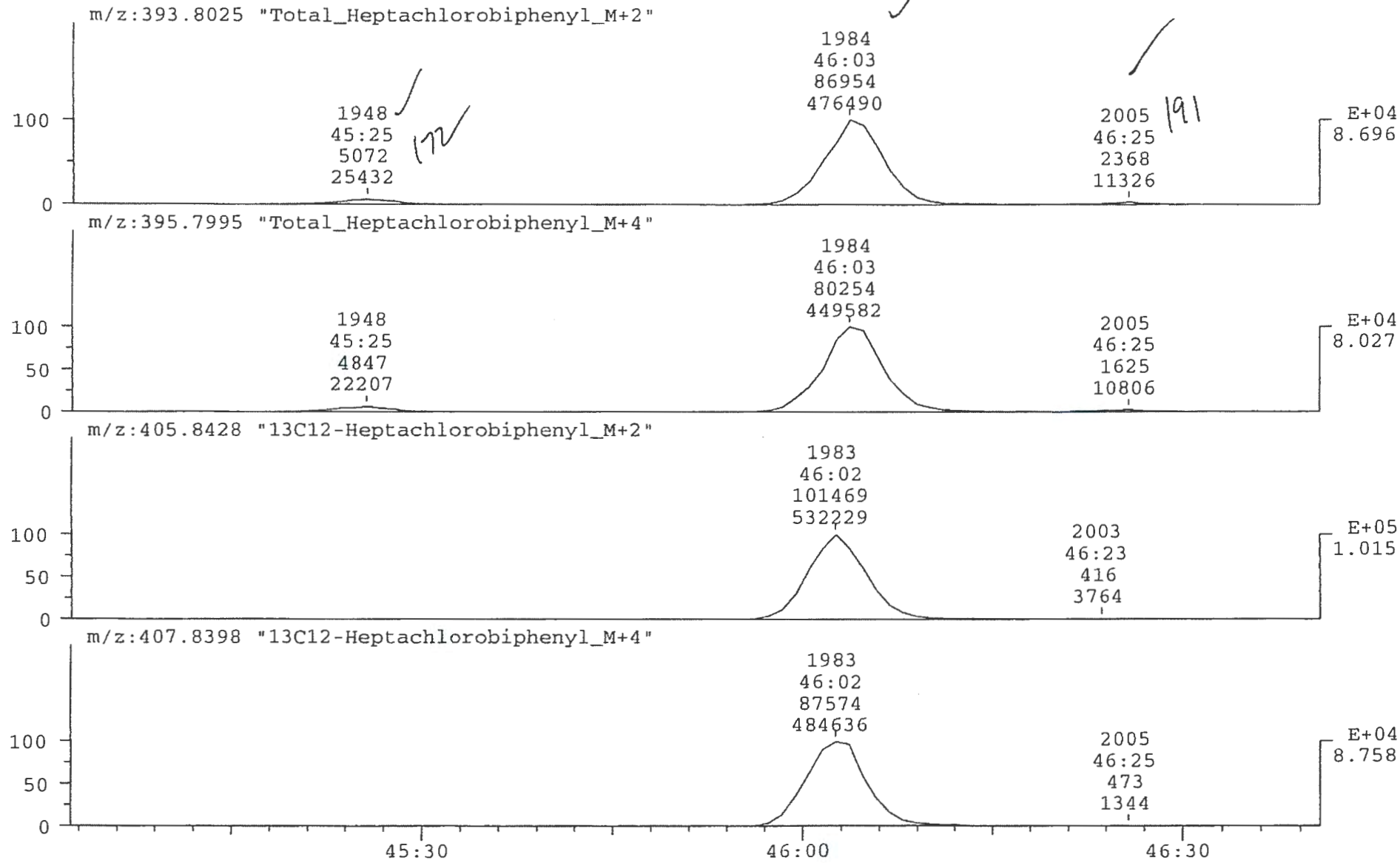
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1673 > 1770 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



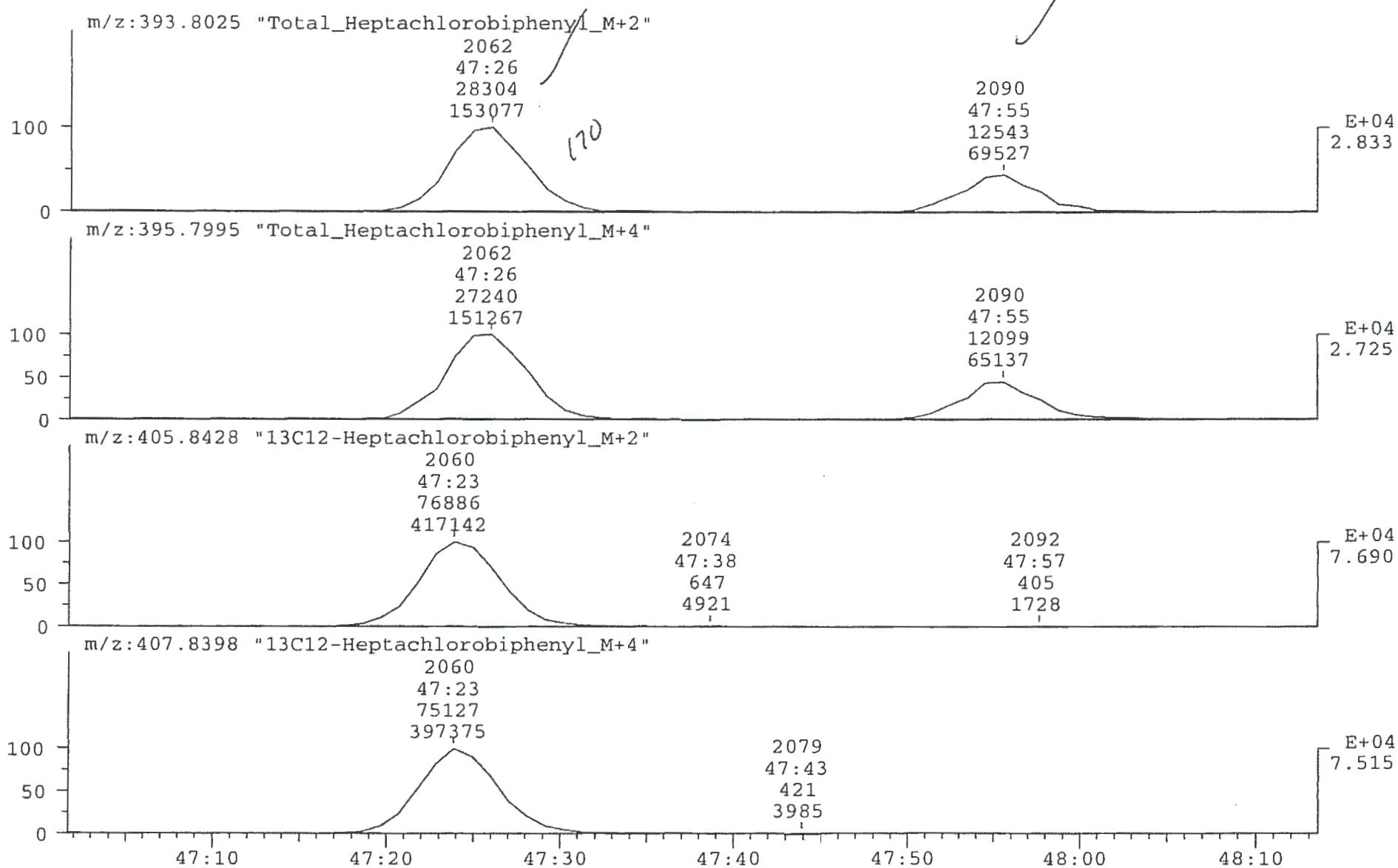
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
Peak:  100.00  ppm      Label wndw:   1763 > 1879         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



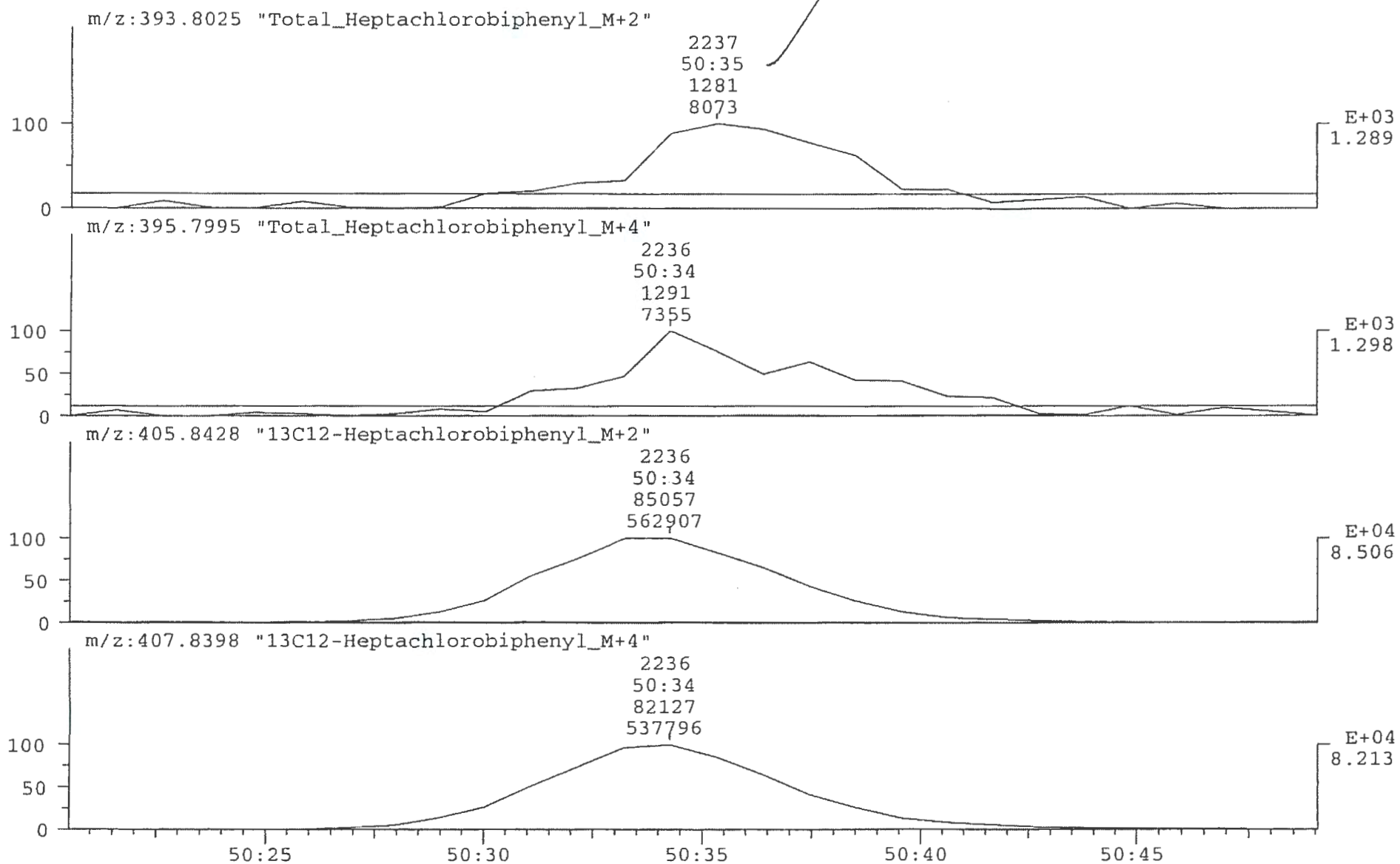
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1926 > 2019 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



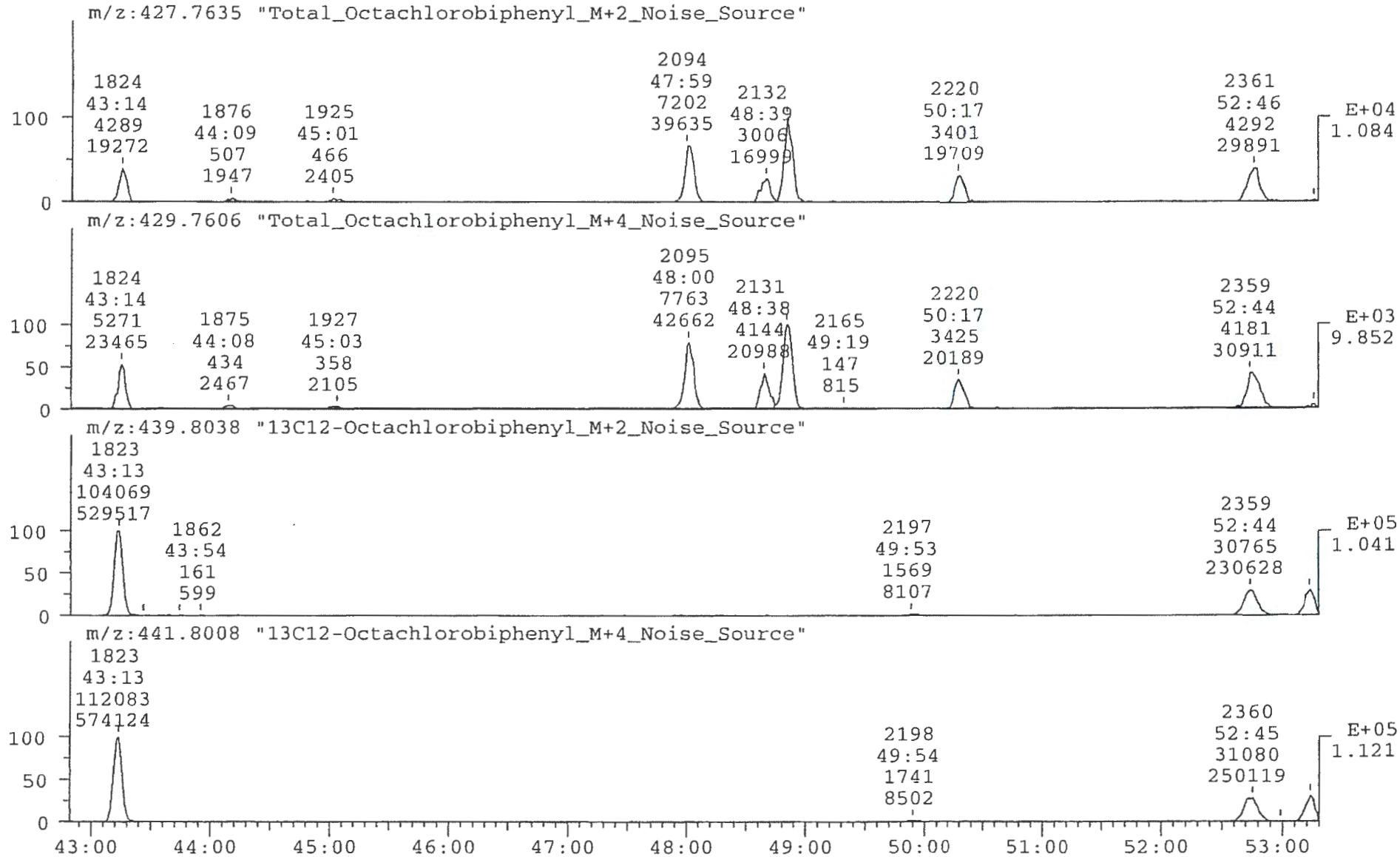
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 2039 > 2107 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



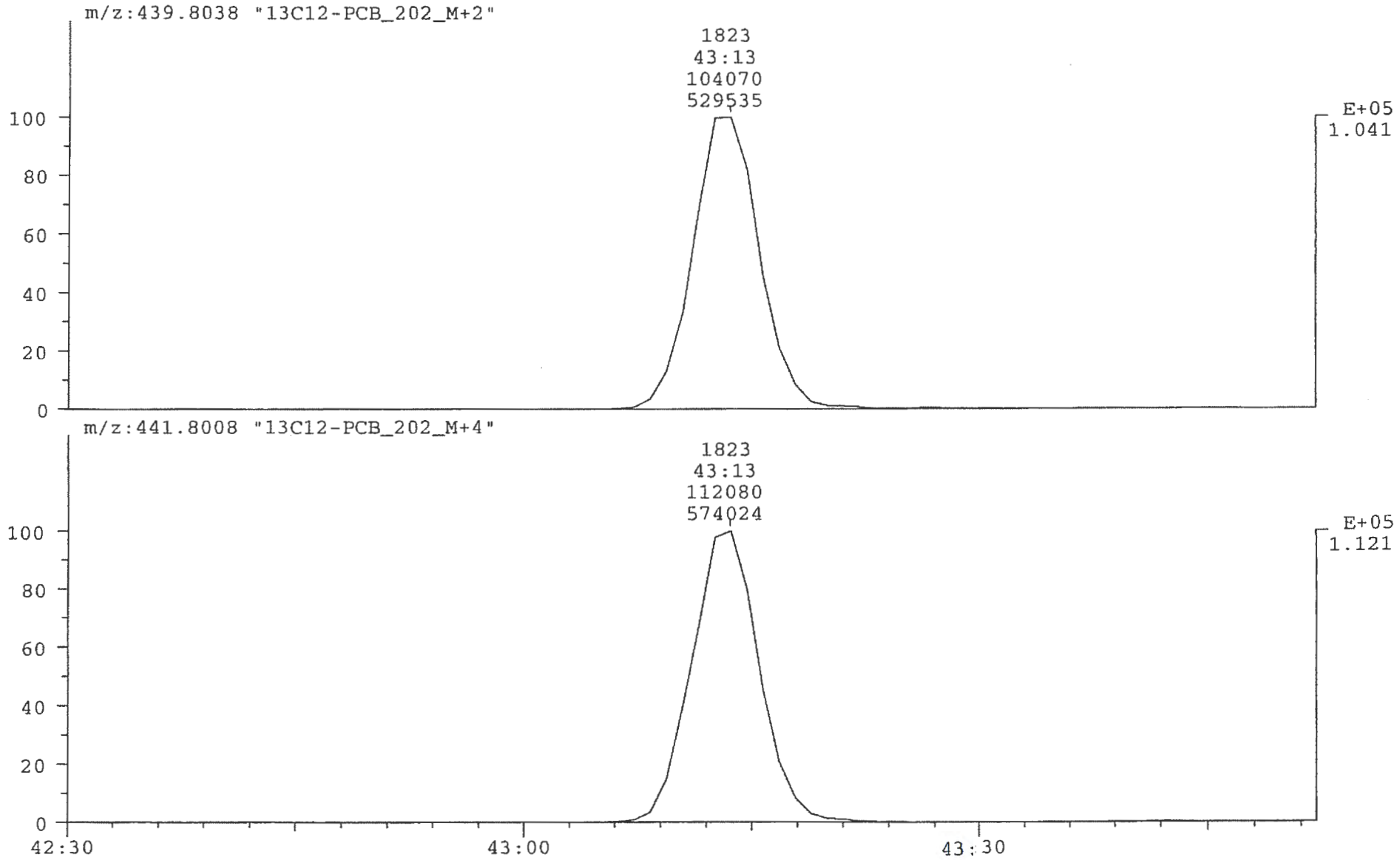
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
Peak:  100.00  ppm      Label wndw:   2223 > 2250         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



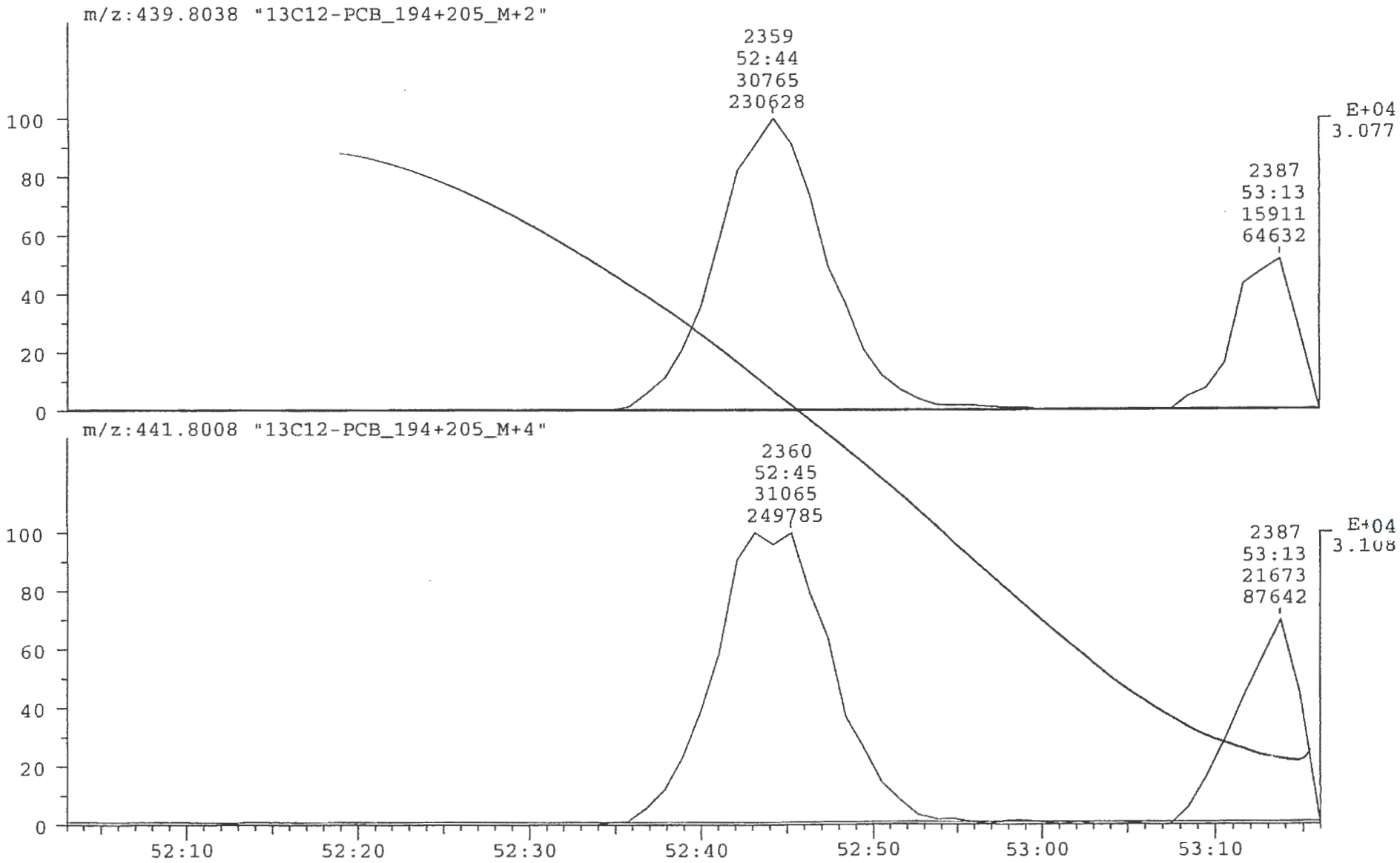
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  48:02      2097
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial 14
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
```



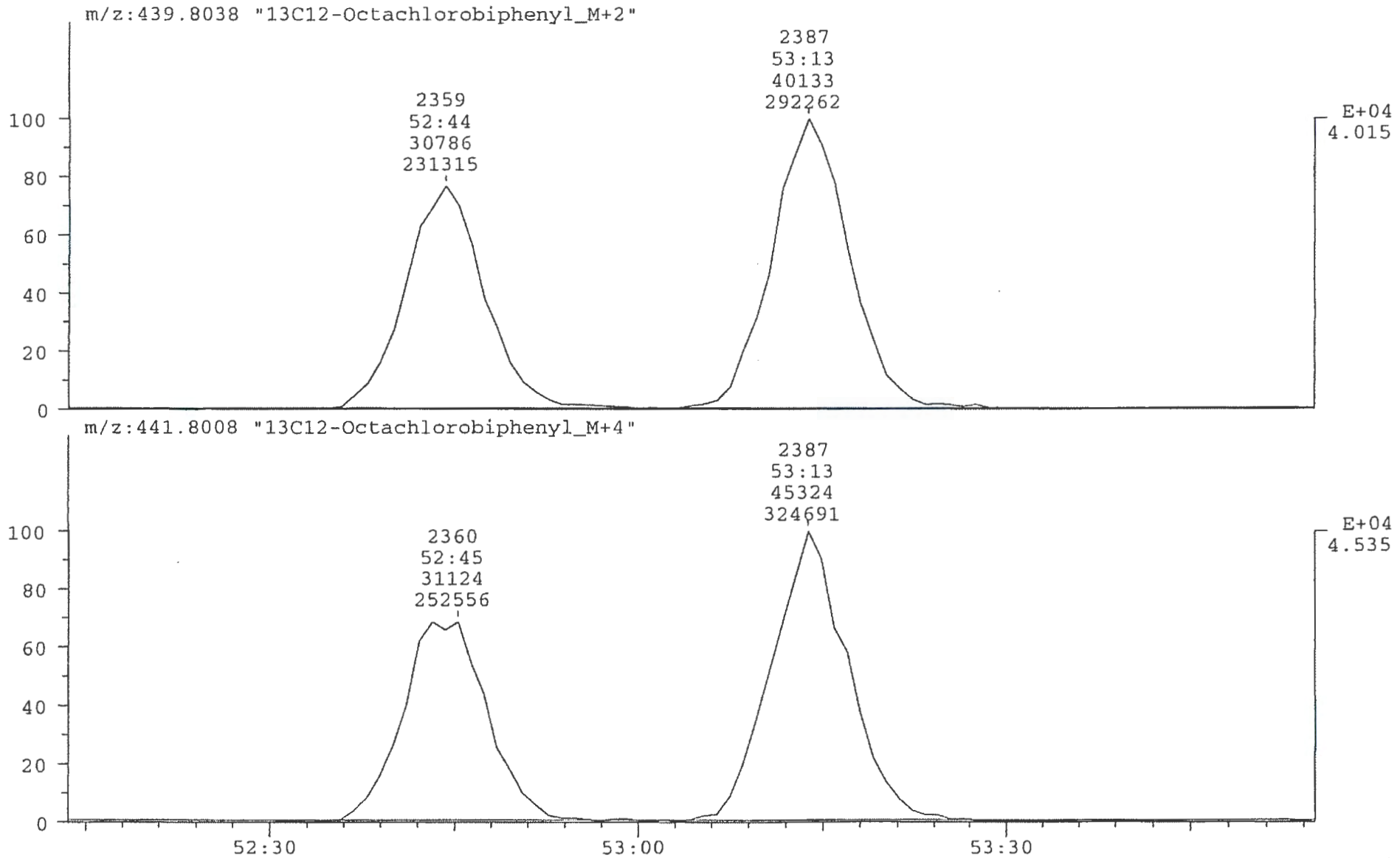
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  43:08      1818
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
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
```



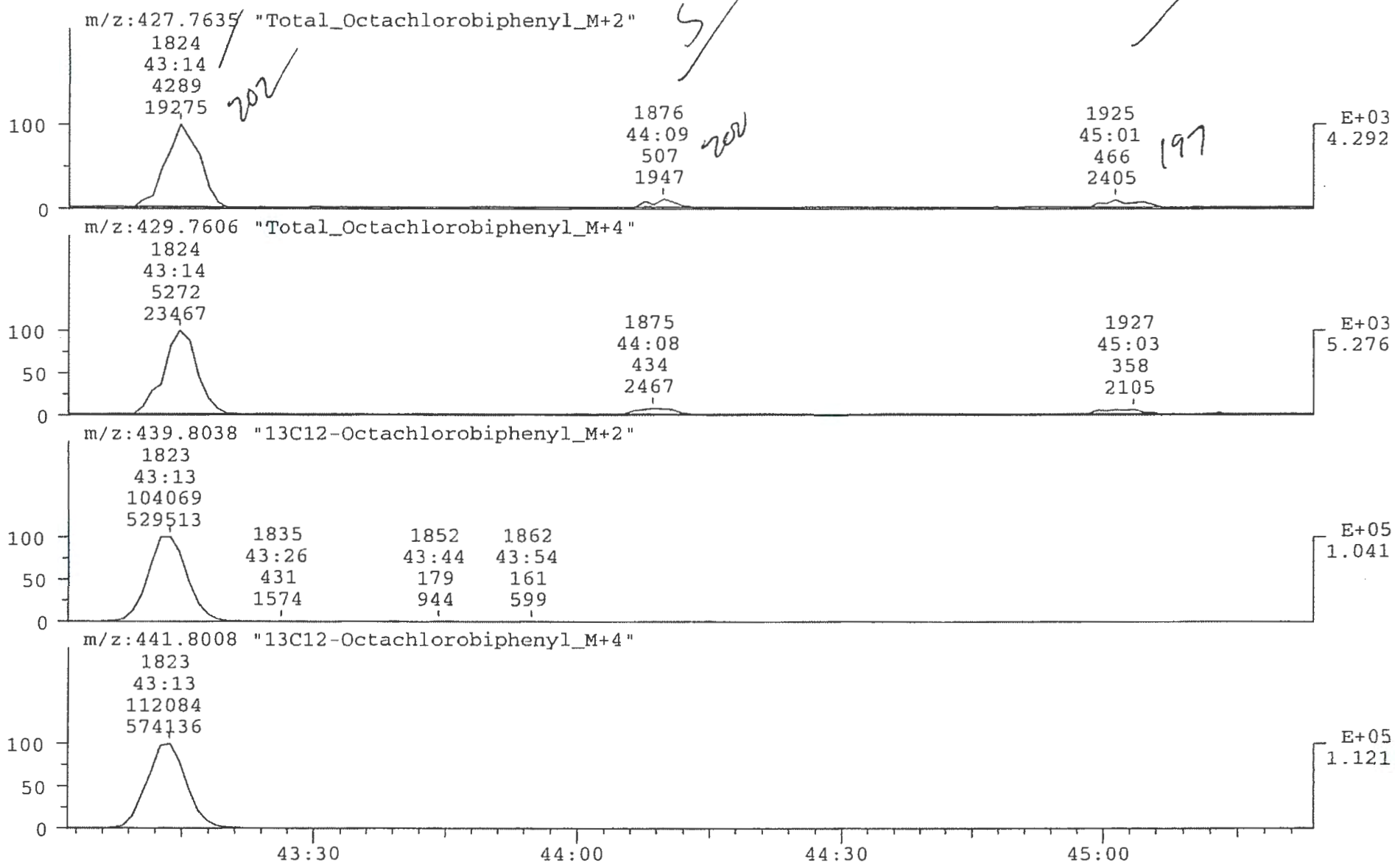
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  52:38      2354
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial 14
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
```



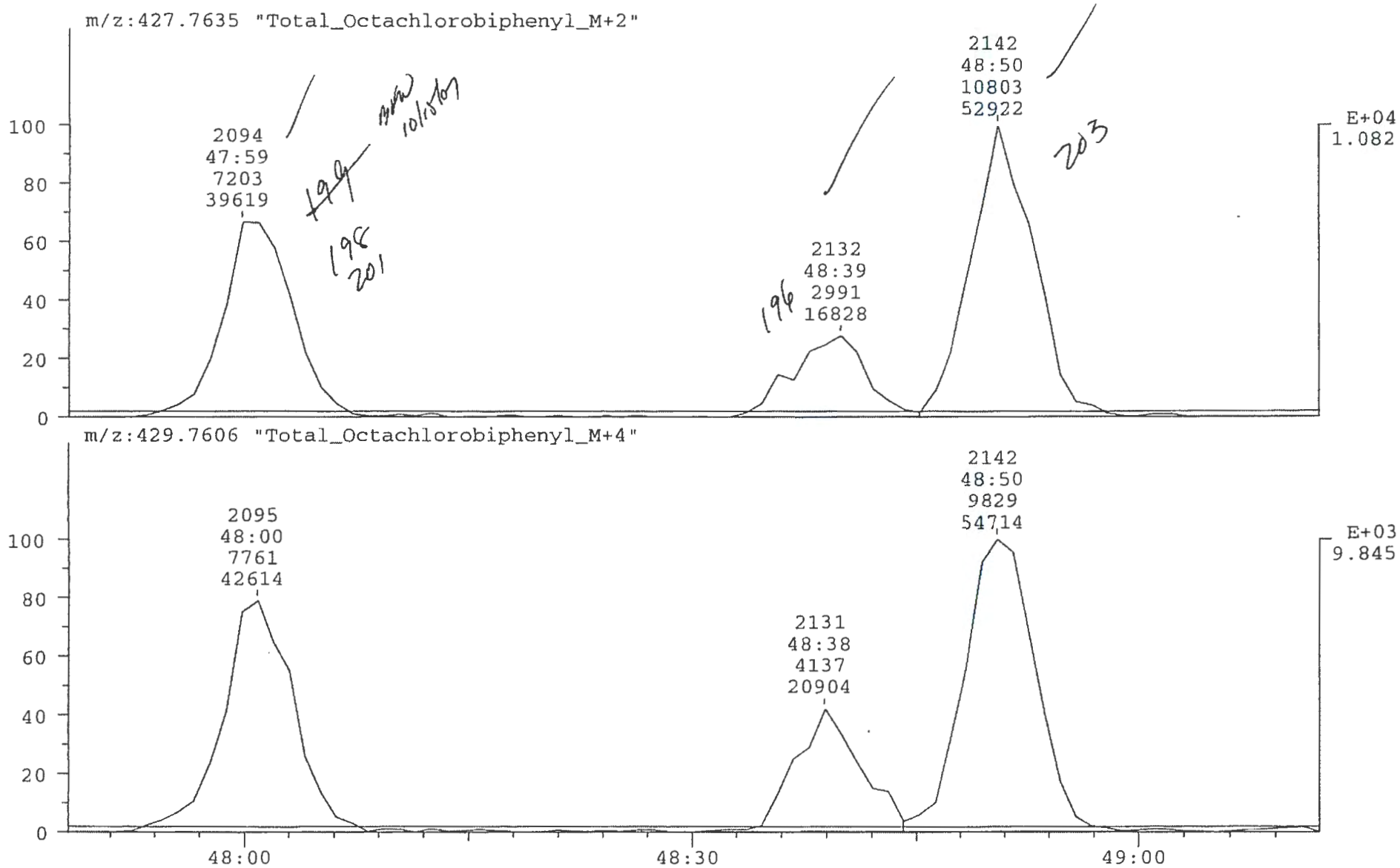
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC      Vial  14
Peak:  100.00  ppm      Label wndw:   2330 > 2426         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



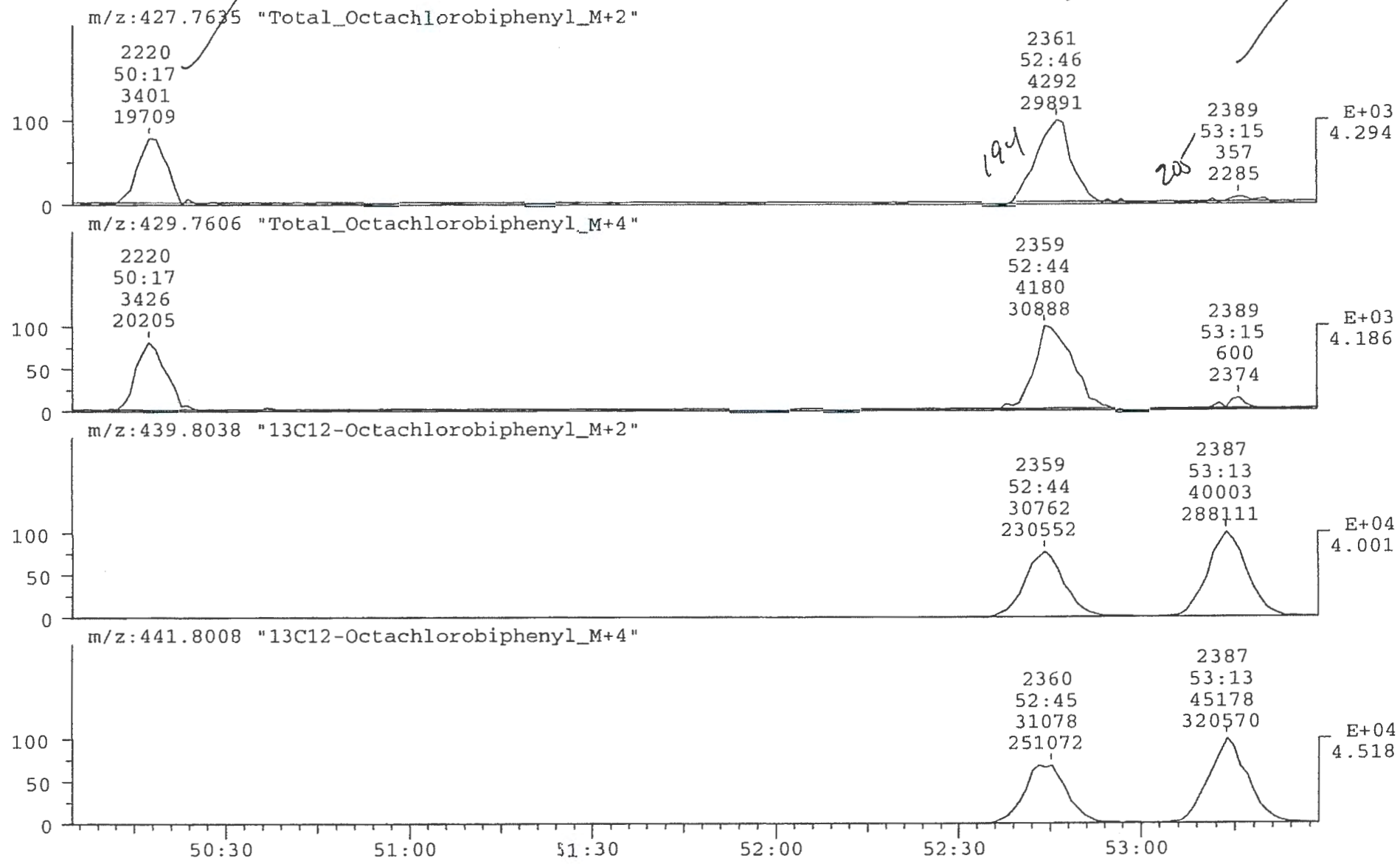
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1812 > 1946 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58    2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC      Vial  14
Peak:  100.00  ppm      Label wndw:   2083 > 2158         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```

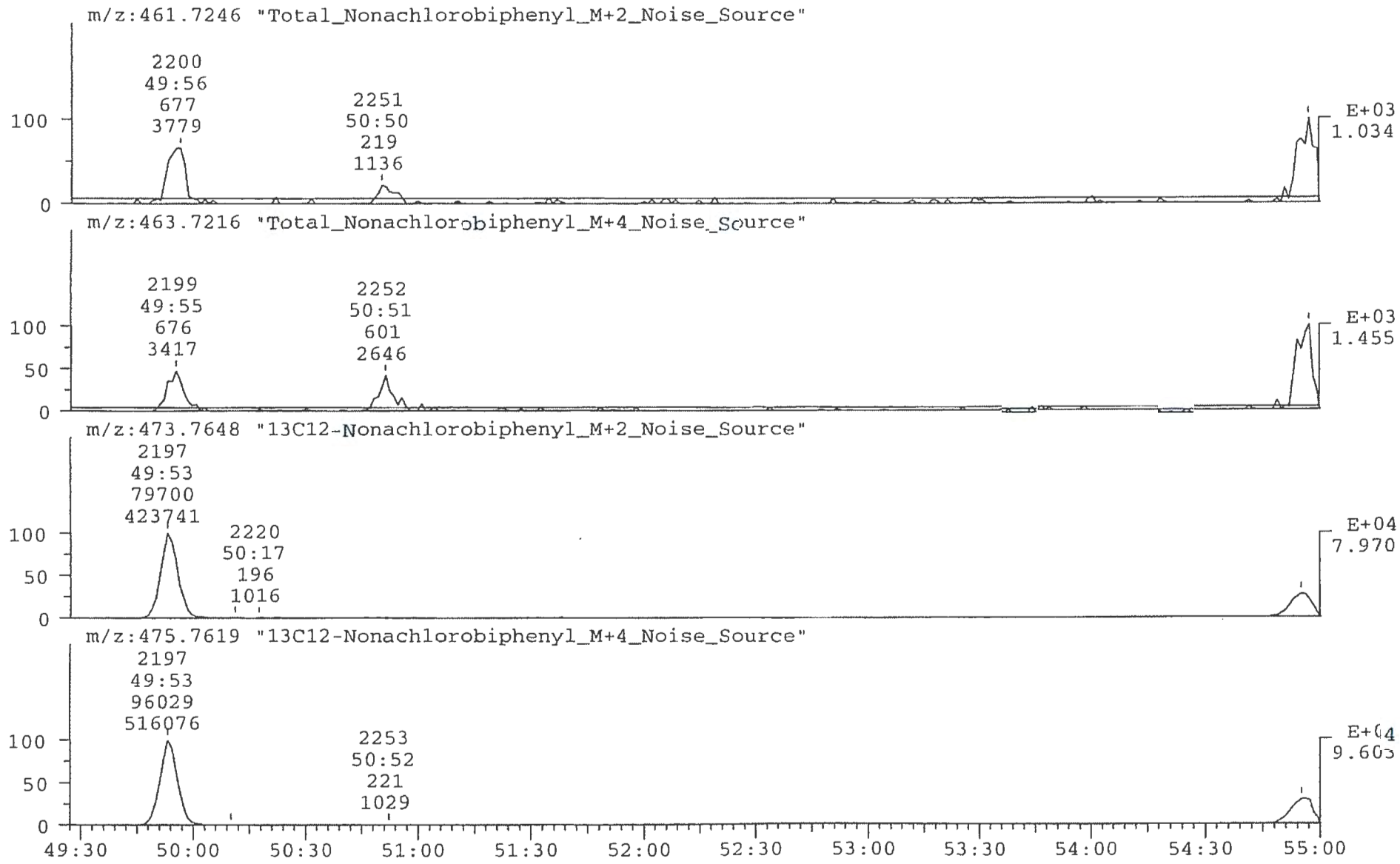


CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 2208 > 2401 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area

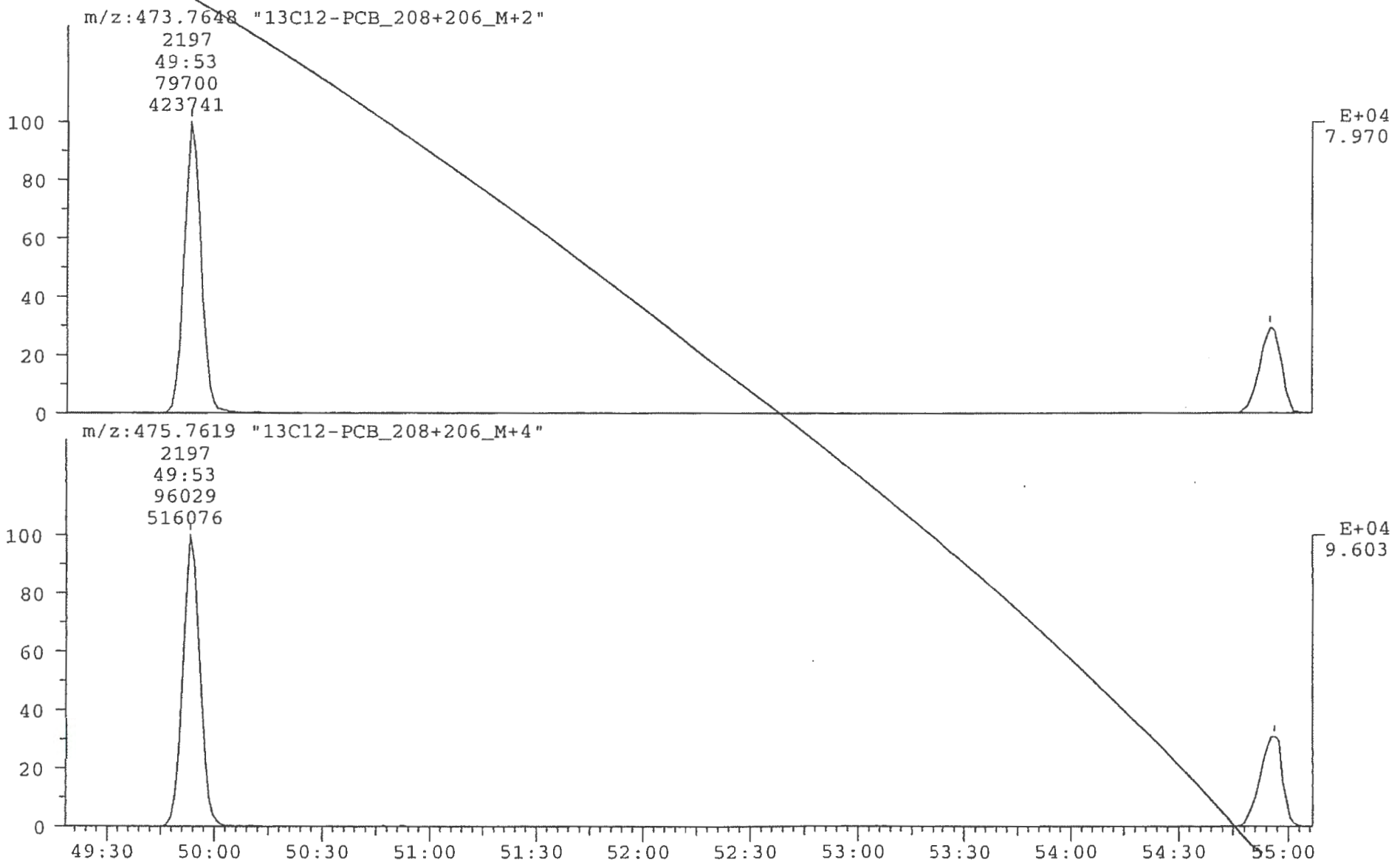


400

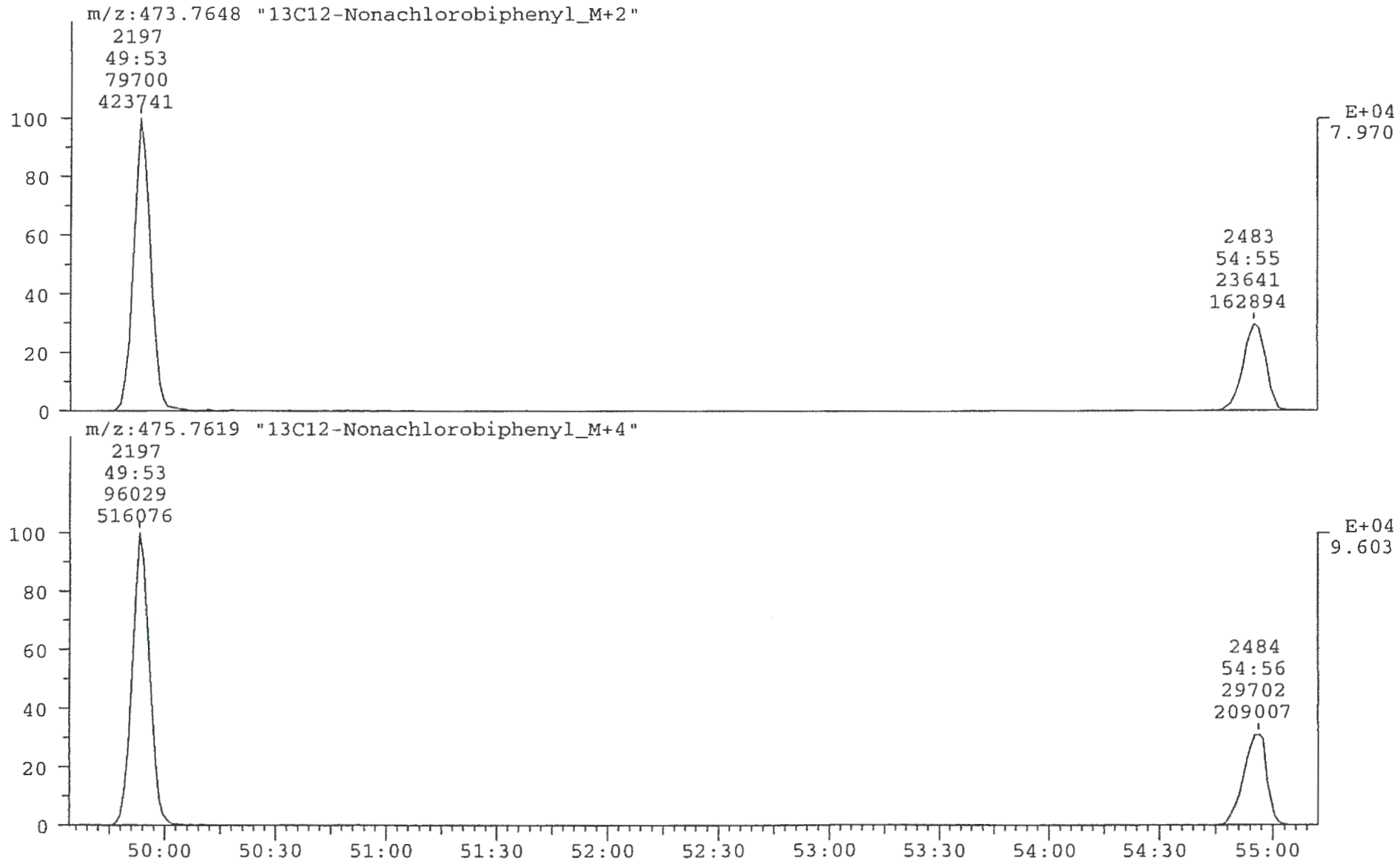
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  52:13      2330
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=200703131
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial 14
Peak:  100.00  ppm      Label wndw:   2172 > 2488         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



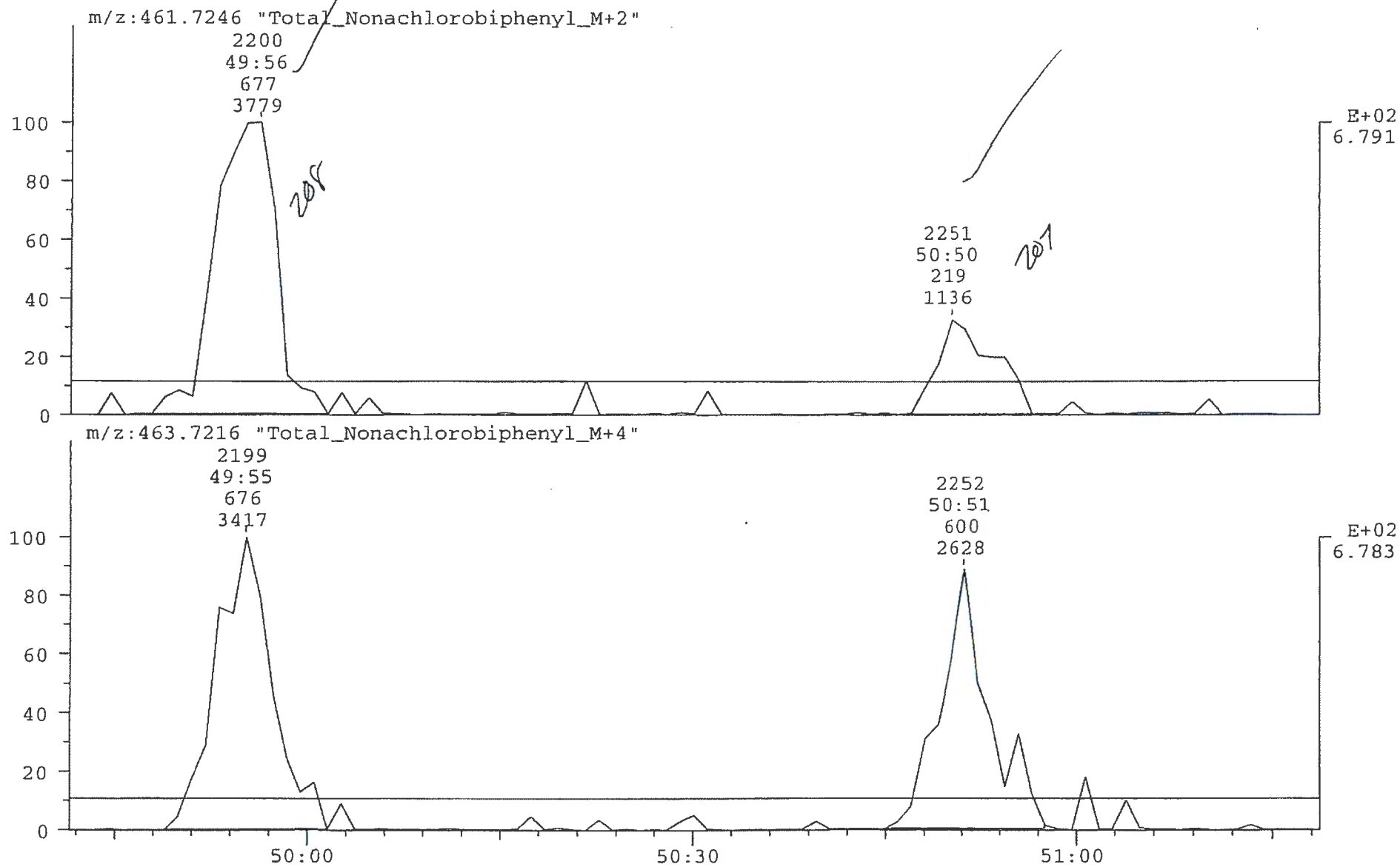
CHRO: apj7v9q 12-Oct-07 Elapse: 52:12 2329
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 2164 > 2494 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



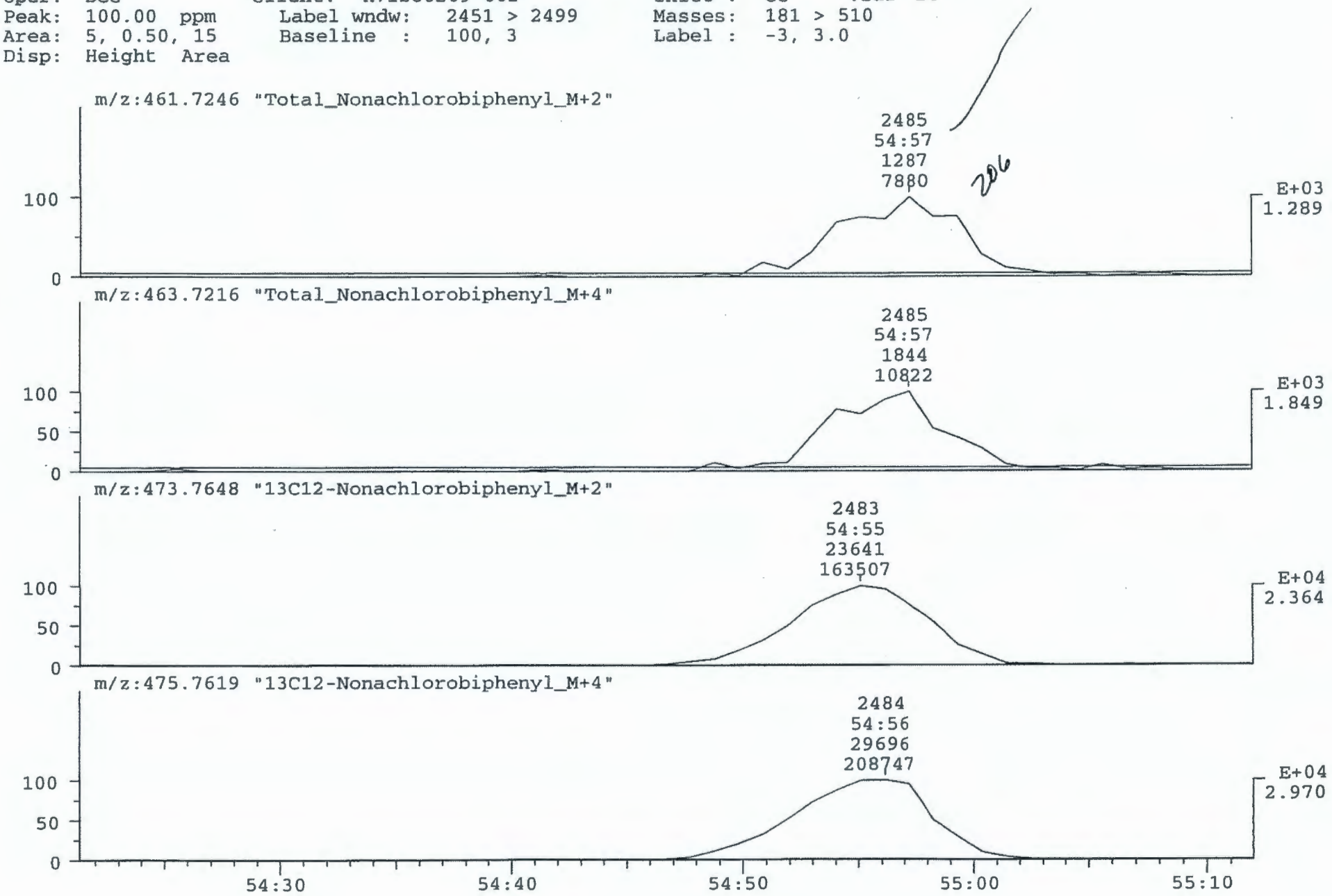
```
CHRO:  apj7v9q                                12-Oct-07  Elapse:  14:54.3     222
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002             Inlet :  GC     Vial  14
Peak:  100.00  ppm      Label wndw:   2179 > 2499        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  3, 3.0
Disp:  Height  Area
```



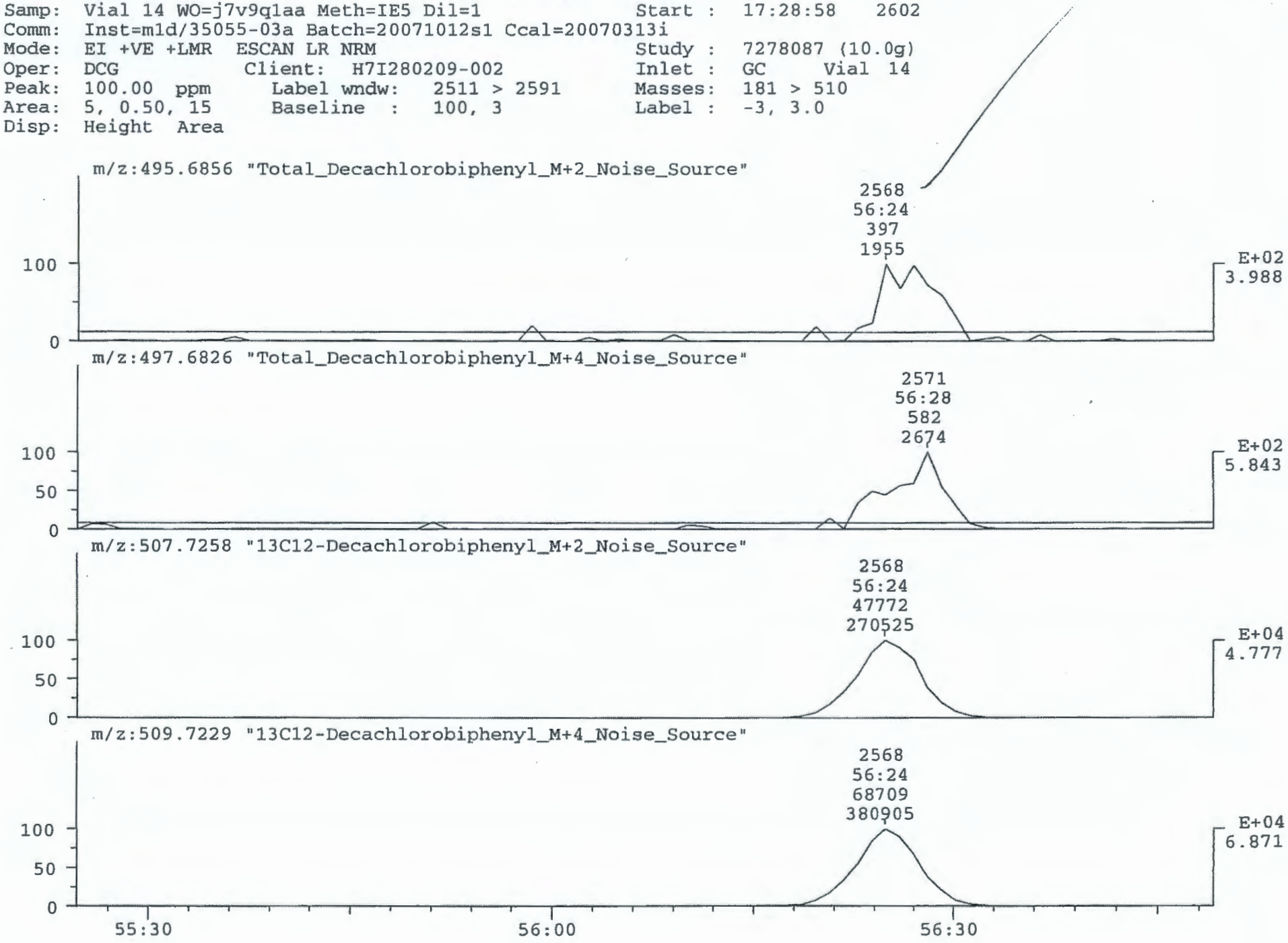
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 2186 > 2278 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



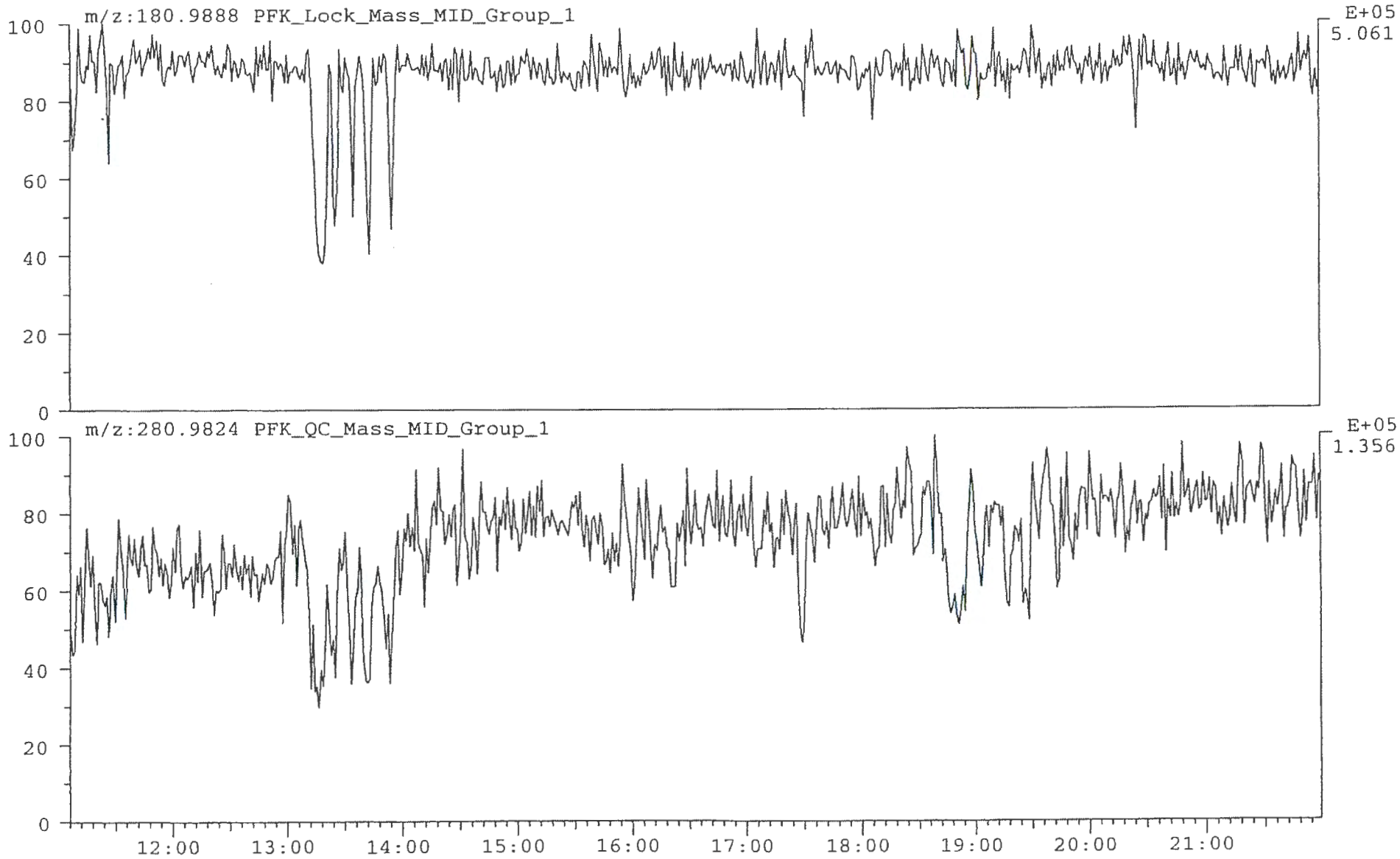
CHRO: apj7v9q 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 2451 > 2499 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



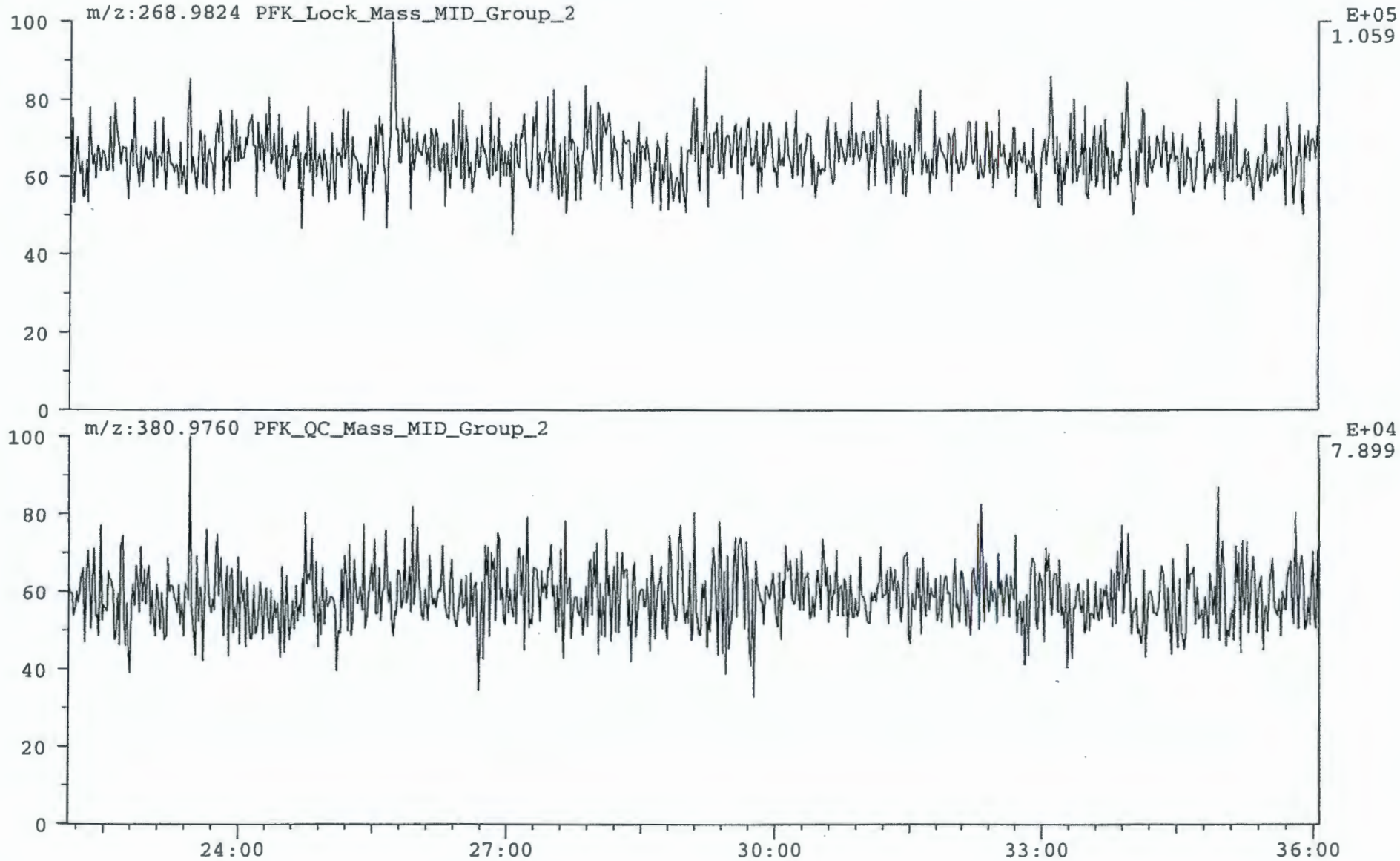
CHRO: apj7v9q 12-Oct-07 Elapse: 56:12 2556
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 2511 > 2591 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



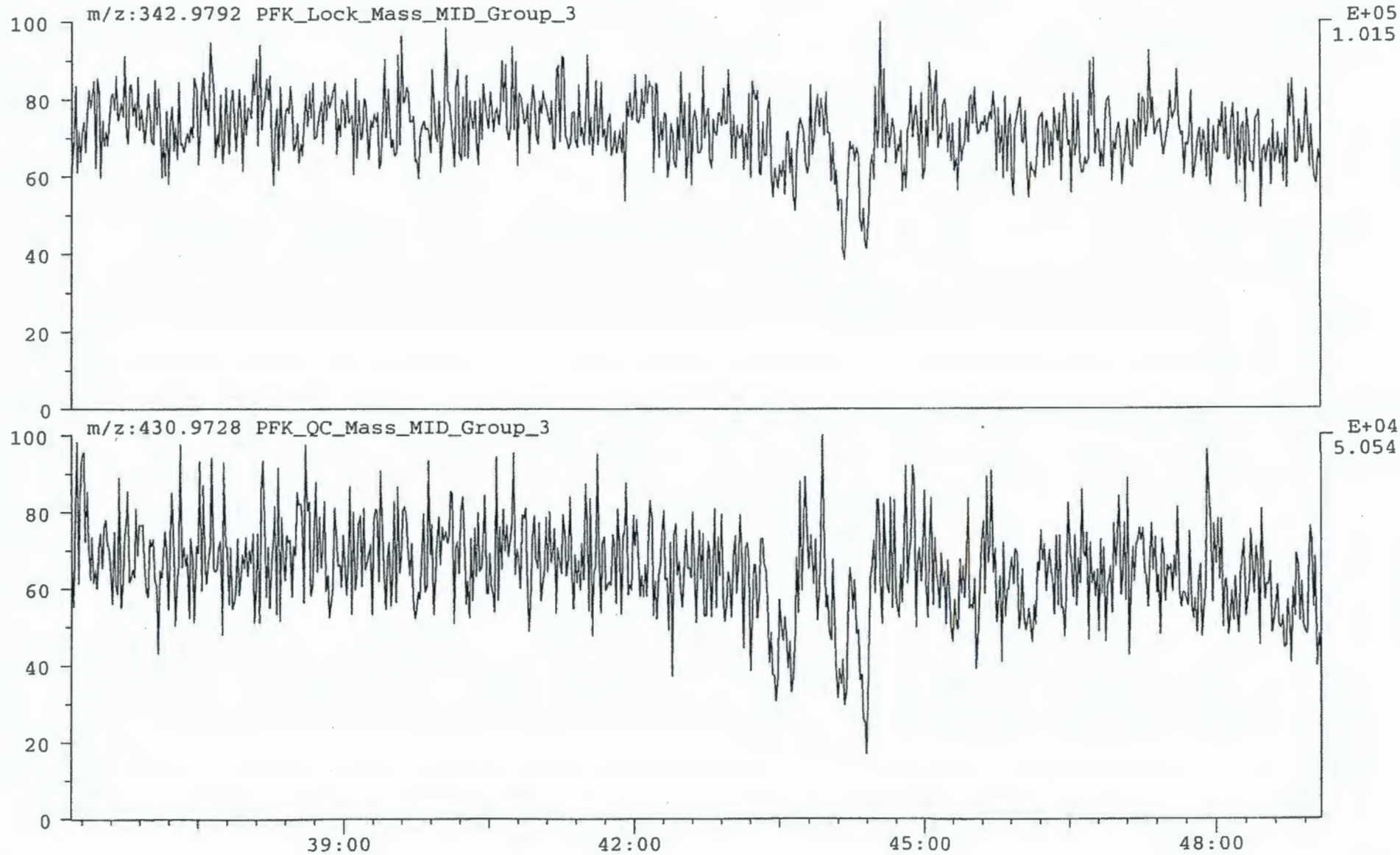
```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  56:12      2556
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial  14
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
```



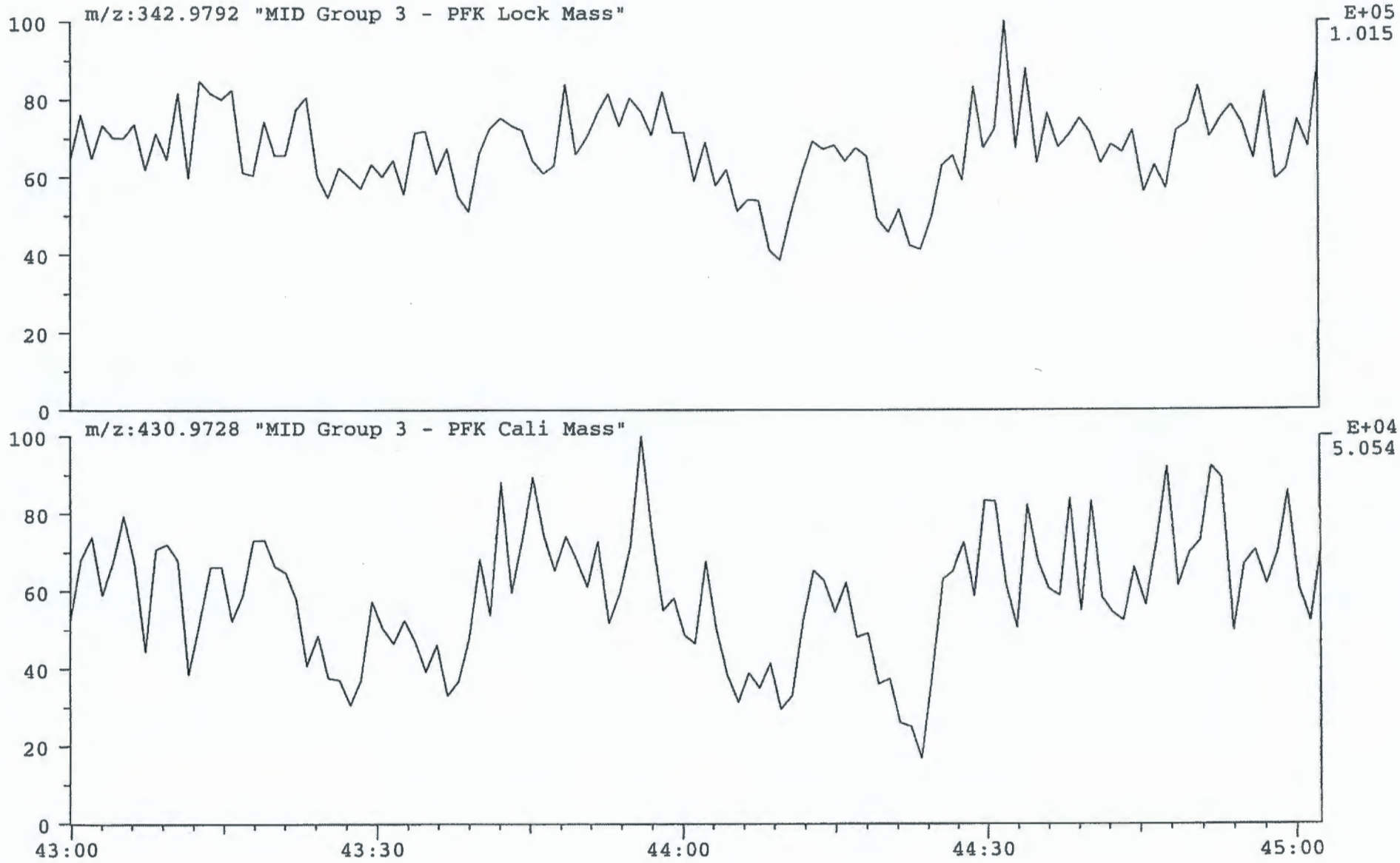
CHRO: apj7v9q 12-Oct-07 Elapse: 56:12 2556
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 627 > 1420 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area



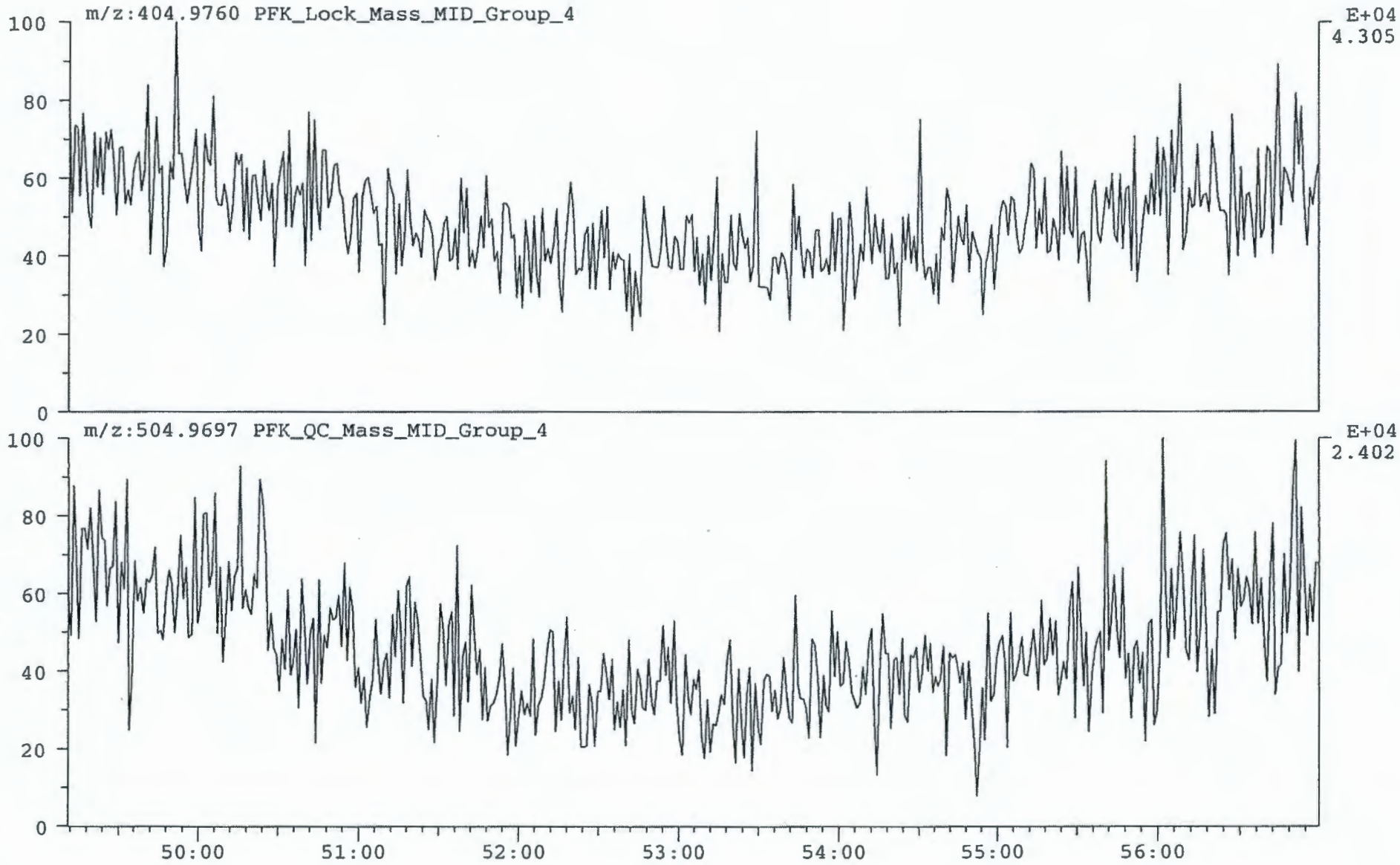
CHRO: apj7v9q 12-Oct-07 Elapse: 56:12 2556
Samp: Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1 Start : 17:28:58 2602
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-002 Inlet : GC Vial 14
Peak: 100.00 ppm Label wndw: 1423 > 2155 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area



```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  57:43      2642
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial 14
Peak:  100.00  ppm      Label wndw:   1810 > 1926         Masses:  181 > 510
Area:  5, 0.50, 0       Baseline  :   100, 3              Label :  0, 0.0
Disp:  Height  Area
```



```
CHRO:  apj7v9q                                12-Oct-07   Elapse:  56:12      2556
Samp:  Vial 14 WO=j7v9q1aa Meth=IE5 Dil=1                 Start :  17:28:58   2602
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-002              Inlet :  GC     Vial 14
Peak:  100.00  ppm      Label wndw:   2157 > 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: apj7v9q
Study: 7278087 (10.0g)
Sample: WO=j7v9q1aa Meth=IE5 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: H7I280209-002
Comments: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Injected volume: 2.00
Sample from Vial 14
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 2 of list 071012
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	14:05 min	36:05 min	1.00 sec
# 3	36:05 min	13:00 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 l	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 l	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 l	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 : epal668

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	3.9294
CORONA	0.0000	CYCLE	0.0000	DELAY	0.0000
DITEMP	0.1954	DITSET	0.0000	DRAW	-58.0000
DRAWC	1.0000	DRAWS	-0.0050	ECORR	0.9986
ECURR	1.0000	EDAC	7969177.0000	EDACG	1.0001
EDACR	23.0000	EDACZ	-474.0000	ELEN	70.7500
EMULT	1.8800	ENS	215.0000	ERATIO	1.0000
ESA	763.8000	ESICUR	10.0011	ESIPAR	0.0000
EXS	145.0000	FDMA	18000000.0000	FLENS	1.0000
FM	20.0000	FMII	50.0000	FQUAD	0.0000
FREQ	300.4808	FSLOPE	54000000.0000	FVANAL	319.0000
FVINLET	276.0000	FVSRC	946.0000	FWIN	0.7000
GCTC	204.0000	GCTI	270.0000	GCTL	280.0000
HACCU	208.0000	HCURR	1.4510	HVANAL	1294.0000
HVSRC	2701.0000	ICAL0	0.0011	ICAL1	0.4030
ICAL2	0.5865	IONEN	4793.6460	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	1637.0000	LENSS	83.6000
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	2611.0000	NSMAX	8.0000	NSMIN	2.0000
OCT	-2.0000	PSAM	10.0000	PUSHER	-31.0000
RDRAW	0.0000	RDRAWC	0.0000	RECURR	0.0000
RELEN	0.0000	RES	10099.9637	RFAMP	799.9987
RFCUR	100.0110	RPUSHER	0.0000	RWIN	2.0000
SACCU	3.0000	SCIDLE	1.0000	SHIELD	2312.0000
SHIELDS	0.4000	SHIGH	180.0000	SKIM	7.0000
SLOW	60.0000	SPRAY	8.0000	SS	3.0000
SW	0.0500	TANAL	420.1600	TCURR	0.8984
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	1.6400	USERVAR	0.0000	VAPTEMP	599.9997
VAPTSET	400.0000	VMASS	180.4888	XLENS	2500.0000
XLENSS	29.0000	YLENS	2047.0000	YLENSS	-70.4000

```
Scantype is  electric
Sourcemode is  EI POS

Analysis started at: 12-Oct-07 17:28:58.0

Autosampler has injected sample from vial 14
MID Time Window 1: Resolution is 9049
MID Time Window 2: Resolution is 8407
MID Time Window 3: Resolution is 9024
MID Time Window 4: Resolution is 10124
 Analysis stopped at: 12-Oct-07 18:26:00.9   (run time 57.03 minutes)
Analysis stopped because MID run finished
```

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	Work Order #....:	J7V9T1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	ND		0.010	0.00038	ng/g
PCB 2 (BZ)	ND		0.010	0.00047	ng/g
PCB 3 (BZ)	ND		0.010	0.00055	ng/g
PCB 4 (BZ)	**0.0049**	**Q B J**	**0.020**	**0.0014**	**ng/g**
PCB 5 (BZ)	ND		0.010	0.0011	ng/g
PCB 6 (BZ)	**0.0025**	**Q B J**	**0.010**	**0.0010**	**ng/g**
PCB 7 (BZ)	ND		0.010	0.0011	ng/g
PCB 8 (BZ)	**0.010**	**Q B J**	**0.020**	**0.0010**	**ng/g**
PCB 9 (BZ)	**0.0010**	**Q B J**	**0.010**	**0.0010**	**ng/g**
PCB 10 (BZ)	ND		0.010	0.0011	ng/g
PCB 11 (BZ)	**0.0030**	**Q B J**	**0.020**	**0.0010**	**ng/g**
PCB 12 (BZ)	ND		0.010	0.0010	ng/g
PCB 13 (BZ)	ND		0.010	0.0010	ng/g
PCB 14 (BZ)	ND		0.010	0.00089	ng/g
PCB 15 (BZ)	**0.0024**	**Q B J**	**0.010**	**0.0011**	**ng/g**
PCB 16 (BZ)	**0.0073**	**Q B J**	**0.010**	**0.0010**	**ng/g**
PCB 17 (BZ)	**0.015**	**B**	**0.010**	**0.00089**	**ng/g**
PCB 18 (BZ)	**0.045**	**B**	**0.020**	**0.00094**	**ng/g**
PCB 19 (BZ)	ND		0.010	0.0010	ng/g
PCB 20 (BZ)	**0.11**	**B C**	**0.020**	**0.00057**	**ng/g**
PCB 21 (BZ)	**0.022**	**B C**	**0.010**	**0.00056**	**ng/g**
PCB 22 (BZ)	**0.016**	**B**	**0.010**	**0.00058**	**ng/g**
PCB 23 (BZ)	ND		0.010	0.00059	ng/g
PCB 24 (BZ)	ND		0.010	0.00067	ng/g
PCB 25 (BZ)	**0.0036**	**B J**	**0.010**	**0.00052**	**ng/g**
PCB 26 (BZ)	**0.013**	**B C**	**0.010**	**0.00056**	**ng/g**
PCB 27 (BZ)	**0.0018**	**B J**	**0.010**	**0.00061**	**ng/g**
PCB 28 (BZ)	**0.11**	**B C20**	**0.020**	**0.00057**	**ng/g**
PCB 29 (BZ)	**0.013**	**B C26**	**0.010**	**0.00056**	**ng/g**
PCB 30 (BZ)	ND		0.020	0.00063	ng/g
PCB 31 (BZ)	**0.052**	**B**	**0.020**	**0.00055**	**ng/g**
PCB 32 (BZ)	**0.0059**	**B J**	**0.010**	**0.00060**	**ng/g**
PCB 33 (BZ)	**0.022**	**B C21**	**0.010**	**0.00056**	**ng/g**
PCB 34 (BZ)	ND		0.010	0.00058	ng/g
PCB 35 (BZ)	ND		0.010	0.00059	ng/g
PCB 36 (BZ)	ND		0.010	0.00055	ng/g

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	Work Order #....:	J7V9T1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.0051	Q B J	0.010	0.00058	ng/g
PCB 38 (BZ)	ND		0.010	0.00057	ng/g
PCB 39 (BZ)	ND		0.010	0.00053	ng/g
PCB 40 (BZ)	0.023	B C	0.010	0.00088	ng/g
PCB 41 (BZ)	0.0038	Q J	0.010	0.0012	ng/g
PCB 42 (BZ)	0.020		0.010	0.00097	ng/g
PCB 43 (BZ)	0.011	Q B C	0.010	0.00087	ng/g
PCB 44 (BZ)	0.22	Q B C	0.010	0.00082	ng/g
PCB 45 (BZ)	0.0042	Q B C J	0.010	0.00097	ng/g
PCB 46 (BZ)	ND		0.010	0.0012	ng/g
PCB 47 (BZ)	0.22	Q B C44	0.010	0.00082	ng/g
PCB 48 (BZ)	0.021		0.010	0.00094	ng/g
PCB 49 (BZ)	0.25	B	0.010	0.00083	ng/g
PCB 50 (BZ)	0.0031	Q B C J	0.010	0.00090	ng/g
PCB 51 (BZ)	0.0042	Q B C45 J	0.010	0.00097	ng/g
PCB 52 (BZ)	0.69	B	0.010	0.00090	ng/g
PCB 53 (BZ)	0.0031	Q B C50 J	0.010	0.00090	ng/g
PCB 54 (BZ)	ND		0.010	0.0011	ng/g
PCB 55 (BZ)	0.012	Q	0.010	0.00072	ng/g
PCB 56 (BZ)	0.026		0.010	0.00068	ng/g
PCB 57 (BZ)	ND		0.010	0.00070	ng/g
PCB 58 (BZ)	0.014		0.010	0.00066	ng/g
PCB 59 (BZ)	0.015	B C	0.010	0.00064	ng/g
PCB 60 (BZ)	0.13		0.010	0.00070	ng/g
PCB 61 (BZ)	ND		0.020	0.00070	ng/g
PCB 62 (BZ)	0.015	B C59	0.010	0.00064	ng/g
PCB 63 (BZ)	0.038		0.010	0.00062	ng/g
PCB 64 (BZ)	0.088	B	0.010	0.00064	ng/g
PCB 65 (BZ)	0.22	Q B C44	0.010	0.00082	ng/g
PCB 66 (BZ)	0.89	B	0.010	0.00065	ng/g
PCB 67 (BZ)	0.0044	J	0.010	0.00065	ng/g
PCB 68 (BZ)	0.0023	Q B J	0.010	0.00063	ng/g
PCB 69 (BZ)	ND		0.010	0.00071	ng/g
PCB 70 (BZ)	0.99	B C	0.020	0.00063	ng/g
PCB 71 (BZ)	0.023	B C40	0.010	0.00088	ng/g
PCB 72 (BZ)	0.0092	J	0.010	0.00066	ng/g

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	Work Order #....:	J7V9T1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.011	Q B C43	0.010	0.00087	ng/g
PCB 74 (BZ)	0.99	B C70	0.020	0.00063	ng/g
PCB 75 (BZ)	0.015	B C59	0.010	0.00064	ng/g
PCB 76 (BZ)	0.99	B C70	0.020	0.00063	ng/g
PCB 77 (BZ)	0.044		0.010	0.00067	ng/g
PCB 78 (BZ)	ND		0.010	0.00071	ng/g
PCB 79 (BZ)	0.0035	Q J	0.010	0.00061	ng/g
PCB 80 (BZ)	ND		0.010	0.00059	ng/g
PCB 81 (BZ)	ND		0.010	0.00065	ng/g
PCB 82 (BZ)	0.033		0.010	0.0026	ng/g
PCB 83 (BZ)	4.6	C	0.010	0.0020	ng/g
PCB 84 (BZ)	0.048		0.010	0.0023	ng/g
PCB 85 (BZ)	1.2	C	0.010	0.0016	ng/g
PCB 86 (BZ)	0.80	C	0.010	0.0016	ng/g
PCB 87 (BZ)	0.80	C86	0.010	0.0016	ng/g
PCB 88 (BZ)	ND		0.010	0.0022	ng/g
PCB 89 (BZ)	ND		0.010	0.0022	ng/g
PCB 90 (BZ)	2.0	B C	0.010	0.0016	ng/g
PCB 91 (BZ)	0.041		0.010	0.0018	ng/g
PCB 92 (BZ)	0.52		0.010	0.0020	ng/g
PCB 93 (BZ)	0.011		0.010	0.0022	ng/g
PCB 94 (BZ)	ND		0.010	0.0022	ng/g
PCB 95 (BZ)	0.49	B C	0.010	0.0018	ng/g
PCB 96 (BZ)	ND		0.010	0.0016	ng/g
PCB 97 (BZ)	0.80	C86	0.010	0.0016	ng/g
PCB 98 (BZ)	ND		0.010	0.0019	ng/g
PCB 99 (BZ)	4.6	C83	0.010	0.0020	ng/g
PCB 100 (BZ)	0.49	B C95	0.010	0.0018	ng/g
PCB 101 (BZ)	2.0	B C90	0.010	0.0016	ng/g
PCB 102 (BZ)	ND		0.010	0.0019	ng/g
PCB 103 (BZ)	0.0034	J	0.010	0.0018	ng/g
PCB 104 (BZ)	ND		0.010	0.0014	ng/g
PCB 105 (BZ)	3.2		0.010	0.0011	ng/g
PCB 106 (BZ)	ND		0.010	0.0013	ng/g
PCB 107 (BZ)/109 (IUPAC)	0.63		0.010	0.0013	ng/g
PCB 108 (BZ)/107 (IUPAC)	0.081	C	0.010	0.0012	ng/g

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	Work Order #....:	J7V9T1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.80	C86	0.010	0.0016	ng/g
PCB 110 (BZ)	1.4	B C	0.010	0.0014	ng/g
PCB 111 (BZ)	0.0047	Q J	0.010	0.0014	ng/g
PCB 112 (BZ)	ND		0.010	0.0015	ng/g
PCB 113 (BZ)	2.0	B C90	0.010	0.0016	ng/g
PCB 114 (BZ)	0.27		0.010	0.0012	ng/g
PCB 115 (BZ)	1.4	B C110	0.010	0.0014	ng/g
PCB 116 (BZ)	1.2	C85	0.010	0.0016	ng/g
PCB 117 (BZ)	1.2	C85	0.010	0.0016	ng/g
PCB 118 (BZ)	12	B	0.010	0.0012	ng/g
PCB 119 (BZ)	0.80	C86	0.010	0.0016	ng/g
PCB 120 (BZ)	0.027		0.010	0.0013	ng/g
PCB 121 (BZ)	ND		0.010	0.0014	ng/g
PCB 122 (BZ)	ND		0.010	0.0013	ng/g
PCB 123 (BZ)	0.16		0.010	0.0012	ng/g
PCB 124 (BZ)	0.081	C108	0.010	0.0012	ng/g
PCB 125 (BZ)	0.80	C86	0.010	0.0016	ng/g
PCB 126 (BZ)	0.029	Q	0.010	0.0012	ng/g
PCB 127 (BZ)	0.023		0.010	0.0012	ng/g
PCB 128 (BZ)	2.4		0.010	0.0030	ng/g
PCB 129 (BZ)	12	B C	0.010	0.0025	ng/g
PCB 130 (BZ)	0.16		0.010	0.0032	ng/g
PCB 131 (BZ)	0.0053	Q J	0.010	0.0032	ng/g
PCB 132 (BZ)	0.073	B	0.010	0.0032	ng/g
PCB 133 (BZ)	0.16		0.010	0.0030	ng/g
PCB 134 (BZ)	0.022	C	0.010	0.0032	ng/g
PCB 135 (BZ)	0.44	B C	0.010	0.0026	ng/g
PCB 136 (BZ)	0.065	B	0.010	0.0021	ng/g
PCB 137 (BZ)	0.95		0.010	0.0027	ng/g
PCB 138 (BZ)	12	B C129	0.010	0.0025	ng/g
PCB 139 (BZ)	0.17	C	0.010	0.0027	ng/g
PCB 140 (BZ)	0.17	C139	0.010	0.0027	ng/g
PCB 141 (BZ)	0.59		0.010	0.0030	ng/g
PCB 142 (BZ)	ND		0.010	0.0031	ng/g
PCB 143 (BZ)	0.022	C134	0.010	0.0032	ng/g
PCB 144 (BZ)	0.028		0.010	0.0027	ng/g

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	Work Order #....:	J7V9T1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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	0.0020	ng/g
PCB 146 (BZ)	1.5		0.010	0.0026	ng/g
PCB 147 (BZ)	0.21	B C	0.010	0.0026	ng/g
PCB 148 (BZ)	ND		0.010	0.0027	ng/g
PCB 149 (BZ)	0.21	B C147	0.010	0.0026	ng/g
PCB 150 (BZ)	ND		0.010	0.0020	ng/g
PCB 151 (BZ)	0.44	B C135	0.010	0.0026	ng/g
PCB 152 (BZ)	ND		0.010	0.0020	ng/g
PCB 153 (BZ)	14	B C	0.010	0.0021	ng/g
PCB 154 (BZ)	0.44	B C135	0.010	0.0026	ng/g
PCB 155 (BZ)	ND		0.010	0.0018	ng/g
PCB 156 (BZ)	2.1	C	0.010	0.0025	ng/g
PCB 157 (BZ)	2.1	C156	0.010	0.0025	ng/g
PCB 158 (BZ)	1.1		0.010	0.0019	ng/g
PCB 159 (BZ)	ND		0.010	0.0021	ng/g
PCB 160 (BZ)	12	B C129	0.010	0.0025	ng/g
PCB 161 (BZ)	ND		0.010	0.0021	ng/g
PCB 162 (BZ)	0.064		0.010	0.0021	ng/g
PCB 163 (BZ)	12	B C129	0.010	0.0025	ng/g
PCB 164 (BZ)	0.15		0.010	0.0022	ng/g
PCB 165 (BZ)	ND		0.010	0.0023	ng/g
PCB 166 (BZ)	0.094		0.010	0.0021	ng/g
PCB 167 (BZ)	0.50		0.010	0.0013	ng/g
PCB 168 (BZ)	14	B C153	0.010	0.0021	ng/g
PCB 169 (BZ)	0.0066	Q J	0.010	0.0018	ng/g
PCB 170 (BZ)	1.3		0.010	0.0014	ng/g
PCB 171 (BZ)	0.27	C	0.010	0.0014	ng/g
PCB 172 (BZ)	0.14		0.010	0.0014	ng/g
PCB 173 (BZ)	0.27	C171	0.010	0.0014	ng/g
PCB 174 (BZ)	0.028		0.010	0.0013	ng/g
PCB 175 (BZ)	0.013		0.010	0.0013	ng/g
PCB 176 (BZ)	ND		0.010	0.00095	ng/g
PCB 177 (BZ)	0.068		0.010	0.0013	ng/g
PCB 178 (BZ)	0.13		0.010	0.0013	ng/g
PCB 179 (BZ)	0.032	B	0.010	0.00099	ng/g
PCB 180 (BZ)	2.7	C	0.010	0.0010	ng/g

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	Work Order #....:	J7V9T1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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)	0.029		0.010	0.0012	ng/g
PCB 182 (BZ)	0.0083	Q J	0.010	0.0012	ng/g
PCB 183 (BZ)	0.52	B	0.010	0.0013	ng/g
PCB 184 (BZ)	ND		0.010	0.0010	ng/g
PCB 185 (BZ)	0.013	Q	0.010	0.0013	ng/g
PCB 186 (BZ)	ND		0.010	0.00098	ng/g
PCB 187 (BZ)	0.76		0.010	0.0012	ng/g
PCB 188 (BZ)	ND		0.010	0.00091	ng/g
PCB 189 (BZ)	0.051		0.010	0.0016	ng/g
PCB 190 (BZ)	0.32		0.010	0.00095	ng/g
PCB 191 (BZ)	0.059		0.010	0.00097	ng/g
PCB 192 (BZ)	ND		0.010	0.0010	ng/g
PCB 193 (BZ)	2.7	C180	0.010	0.0010	ng/g
PCB 194 (BZ)	0.22		0.010	0.0029	ng/g
PCB 195 (BZ)	0.19		0.010	0.0032	ng/g
PCB 196 (BZ)	0.089		0.010	0.00092	ng/g
PCB 197 (BZ)	0.0070	J	0.010	0.00065	ng/g
PCB 198 (BZ)	0.15	C	0.010	0.00091	ng/g
PCB 201 (BZ)/199 (IUPAC)	0.15	C198	0.010	0.00091	ng/g
PCB 199 (BZ)/200 (IUPAC)	ND		0.010	0.00067	ng/g
PCB 200 (BZ)/201 (IUPAC)	0.0087	Q J	0.010	0.00064	ng/g
PCB 202 (BZ)	0.050		0.010	0.00070	ng/g
PCB 203 (BZ)	0.20		0.010	0.00081	ng/g
PCB 204 (BZ)	ND		0.010	0.00067	ng/g
PCB 205 (BZ)	0.015		0.010	0.0024	ng/g
PCB 206 (BZ)	0.080		0.010	0.0017	ng/g
PCB 207 (BZ)	0.0065	Q J	0.010	0.00061	ng/g
PCB 208 (BZ)	0.0097	Q J	0.010	0.00047	ng/g
PCB 209 (BZ)	0.012	Q	0.010	0.00060	ng/g

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	Work Order #....:	J7V9T1AA	Matrix....:	BIOLOGICAL
Date Sampled....:	09/20/07	Date Received....:	09/28/07	Dilution Factor:	1
Prep Date....:	10/05/07	Analysis Date....:	10/12/07		
Prep Batch # ....:	7278087				
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	43		30 - 140
13C12-PCB 3	34		30 - 140
13C12-PCB 4	75		30 - 140
13C12-PCB 15	82		30 - 140
13C12-PCB 19	80		30 - 140
13C12-PCB 37	83		30 - 140
13C12-PCB 54	74		30 - 140
13C12-PCB 77	85		30 - 140
13C12-PCB 81	86		30 - 140
13C12-PCB 104	88		30 - 140
13C12-PCB 105	85		30 - 140
13C12-PCB 114	83		30 - 140
13C12-PCB 118	90		30 - 140
13C12-PCB 123	85		30 - 140
13C12-PCB 126	84		30 - 140
13C12-PCB 155	89		30 - 140
13C12-PCB 156	87	C	30 - 140
13C12-PCB 157	87	C	30 - 140
13C12-PCB 167	89		30 - 140
13C12-PCB 169	71		30 - 140
13C12-PCB 170	87		30 - 140
13C12-PCB 188	87		30 - 140
13C12-PCB 189	144	*	30 - 140
13C12-PCB 202	94		30 - 140
13C12-PCB 205	89		30 - 140
13C12-PCB 206	96		30 - 140
13C12-PCB 208	165	*	30 - 140
13C12-PCB 209	180	*	30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	82	40 - 125
13C12-PCB 111	94	40 - 125
13C12-PCB 178	83	40 - 125

Washington Closure Hanford

Sample ID: J15J91

Trace Level Organic Compounds

Lot - Sample #....:	H7I280209 - 003	**Work Order #....:**	J7V9T1AA	**Matrix....:**	BIOLOGICAL
Date Sampled....:	09/20/07	**Date Received....:**	09/28/07	**Dilution Factor:**	1
Prep Date....:	10/05/07	**Analysis Date....:**	10/12/07		
Prep Batch # ....:	7278087				
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.

- * Surrogate 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.
- 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	J7V9T1AA	Prep Batch	7278087	Lot No	H7I280209-003
Data File	/20071012s1/apj7v9t.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99735	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	18:30	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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								ND		0.00140
13C12-PCB 1	12:22	1226013	429834	1.318	10.00	4.298451	42.98	0.429845		0.000798
13C12-PCB 3	14:37	964121	276101	1.325	10.00	3.360330	33.60	0.336033		0.000793
PCB 1 (BZ)				1.253				ND		0.000381
PCB 2 (BZ)				1.226				ND		0.000474
PCB 3 (BZ)				1.348				ND		0.000551
Total Dichlorobiphenyl		46858	12106			0.240521		0.024052	QBJ	0.0119
13C12-PCB 4	14:54	1002756	310038	0.615	10.00	7.534150	75.34	0.753415		0.000950
13C12-PCB 9	16:51	2164581	577847	1.000	10.00	10.000000	100.00	1.000000		0.000584
13C12-PCB 8				1.332	5.000			ND		0.000709
13C12-PCB 15	20:54	1878494	404686	1.065	10.00	8.150290	81.50	0.815029		0.000549
PCB 4 (BZ)	14:55	6000	1096	1.212		0.049383		0.004938	QBJ	0.00143
PCB 10 (BZ)				1.326				ND		0.00113
PCB 9 (BZ)	16:50	2153	496	1.445		0.010341		0.001034	QBJ	0.00104
PCB 7 (BZ)				1.432				ND		0.00105
PCB 6 (BZ)	17:20	5154	1393	1.450		0.024673		0.002467	QBJ	0.00104
PCB 5 (BZ)				1.356				ND		0.00111
PCB 8 (BZ)	17:45	21621	6154	1.477		0.101620		0.010162	QBJ	0.00102
PCB 14 (BZ)				1.687				ND		0.000891
PCB 11 (BZ)	20:16	6262	1556	1.448		0.030026		0.003003	QBJ	0.00104
PCB 13 (BZ)				1.454				ND	C12	0.00103
PCB 12 (BZ)				1.454				ND	C	0.00103
PCB 15 (BZ)	20:54	5668	1411	1.233		0.024477		0.002448	QBJ	0.00108
Total Trichlorobiphenyl		595176	123979			2.999112		0.299911	BQ	0.0137
13C12-PCB 19	18:05	784624	206739	0.558	10.00	8.018305	80.18	0.801831		0.00257
13C12-PCB 32	21:21	1752576	418850	1.000	10.00	10.000000	100.00	1.000000		0.00143
13C12-PCB 31	23:36	2499060	554451	1.000	10.00	10.000000	100.00	1.000000		0.00108
13C12-PCB 28	23:53	1983478	448169	0.968	10.00	8.200472	82.00	0.820047		0.00112
13C12-PCB 37	28:00	1829271	345840	0.885	10.00	8.268642	82.69	0.826864		0.00122
PCB 19 (BZ)				1.178				ND		0.00101
PCB 30 (BZ)				1.874				ND		0.000632
PCB 18 (BZ)	19:57	44244	11469	1.262		0.446766		0.044677	B	0.000939
PCB 17 (BZ)	20:21	15677	3608	1.326		0.150686		0.015069	B	0.000894
PCB 27 (BZ)	20:34	2674	668	1.945		0.017521		0.001752	BJ	0.000609
PCB 24 (BZ)				1.782				ND		0.000665
PCB 16 (BZ)	20:53	6646	1444	1.157		0.073191		0.007319	QBJ	0.00102
PCB 32 (BZ)	21:23	9129	2238	1.966		0.059167		0.005917	BJ	0.000603
PCB 34 (BZ)				1.216				ND		0.000583
PCB 23 (BZ)				1.208				ND		0.000587
PCB 29 (BZ)	23:03	31177	7730	1.265		0.134759		0.013476	BC26	0.000560
PCB 26 (BZ)		31177		1.265		0.134759		0.013476	BC	0.000560
PCB 25 (BZ)	23:17	8844	2008	1.362		0.035509		0.003551	BJ	0.000520
PCB 31 (BZ)	23:37	123025	26940	1.285		0.523196		0.052320	B	0.000551
PCB 28 (BZ)	23:54	257324	54230	1.238		1.135982		0.113598	BC20	0.000572
PCB 20 (BZ)		257324		1.238		1.135982		0.113598	BC	0.000572
PCB 21 (BZ)		50336		1.276		0.215716		0.021572	BC	0.000555
PCB 33 (BZ)	24:12	50336	10410	1.276		0.215716		0.021572	BC21	0.000555
PCB 22 (BZ)	24:36	34733	8218	1.218		0.155867		0.015587	B	0.000582
PCB 36 (BZ)				1.286				ND		0.000551

BJH 10/15/07 D 09/10/16/14

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9T1AA	Prep Batch	7278087	Lot No	H7I280209-003
Data File	/20071012s1/apj7v9t.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99735	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	18:30	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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		0.000533
PCB 38 (BZ)				1.246				ND		0.000569
PCB 35 (BZ)				1.195				ND		0.000593
PCB 37 (BZ)	28:02	11367	2746	1.224		0.050752		0.005075	QBJ	0.000579
Total Tetrachlorobiphenyl		6123676	1096146			35.063312		3.506331	QB	0.0247
13C12-PCB 54	21:15	774313	180296	0.598	10.00	7.393464	73.93	0.739346		0.000949
13C12-PCB 52	25:43	1349817	304636	1.000	10.00	10.000000	100.00	1.000000		0.000780
13C12-PCB 79				1.089	5.000			ND		0.000767
13C12-PCB 81	34:45	1485115	275678	1.286	10.00	8.552716	85.53	0.855272		0.000606
13C12-PCB 77	35:22	1488755	293388	1.297	10.00	8.502497	85.02	0.850250		0.000601
PCB 54 (BZ)				1.211				ND		0.00109
PCB 50 (BZ)		4264		0.927		0.030941		0.003094	QBCJ	0.000901
PCB 53 (BZ)	23:26	4264	834	0.927		0.030941		0.003094	QBC50J	0.000901
PCB 45 (BZ)	24:07	5329	1258	0.857		0.041813		0.004181	QBCJ	0.000974
PCB 51 (BZ)		5329		0.857		0.041813		0.004181	QBC45J	0.000974
PCB 46 (BZ)				0.706				ND		0.00118
PCB 52 (BZ)	25:44	953377	211781	0.926		6.924555		0.692456	B	0.000901
PCB 73 (BZ)		15730		0.957		0.110500		0.011050	QBC43	0.000872
PCB 43 (BZ)	25:56	15730	2791	0.957		0.110500		0.011050	QBC	0.000872
PCB 69 (BZ)				1.180				ND		0.000707
PCB 49 (BZ)	26:13	371946	81387	1.005		2.488157		0.248816	B	0.000830
PCB 48 (BZ)	26:30	27979	5407	0.886		0.212386		0.021239		0.000942
PCB 65 (BZ)	26:44	332530	48172	1.024		2.184493		0.218449	QBC44	0.000815
PCB 47 (BZ)		332530		1.024		2.184493		0.218449	QBC44	0.000815
PCB 44 (BZ)		332530		1.024		2.184493		0.218449	QBC	0.000815
PCB 62 (BZ)	27:01	29288	3961	1.297		0.151920		0.015192	BC59	0.000644
PCB 75 (BZ)		29288		1.297		0.151920		0.015192	BC59	0.000644
PCB 59 (BZ)		29288		1.297		0.151920		0.015192	BC	0.000644
PCB 42 (BZ)	27:19	25539	5078	0.860		0.199813		0.019981		0.000971
PCB 41 (BZ)	27:42	4092	1214	0.723		0.038041		0.003804	QJ	0.00115
PCB 71 (BZ)	27:50	33257	5729	0.953		0.234630		0.023463	BC40	0.000876
PCB 40 (BZ)		33257		0.953		0.234630		0.023463	BC	0.000876
PCB 64 (BZ)	28:01	171375	35110	1.313		0.877791		0.087779	B	0.000636
PCB 72 (BZ)	28:44	17236	3496	1.257		0.092209		0.009221	J	0.000664
PCB 68 (BZ)	29:01	4632	1970	1.327		0.023472		0.002347	QBJ	0.000629
PCB 57 (BZ)				1.194				ND		0.000699
PCB 58 (BZ)	29:41	26912	5625	1.260		0.143682		0.014368		0.000663
PCB 67 (BZ)	29:52	8338	1849	1.286		0.043591		0.004359	J	0.000649
PCB 63 (BZ)	30:09	76431	13959	1.339		0.383973		0.038397		0.000624
PCB 61 (BZ)				1.190				ND		0.000701
PCB 70 (BZ)	30:33	1938073	344502	1.317		9.896162		0.989616	BC	0.000634
PCB 76 (BZ)		1938073		1.317		9.896162		0.989616	BC70	0.000634
PCB 74 (BZ)		1938073		1.317		9.896162		0.989616	BC70	0.000634
PCB 66 (BZ)	30:52	1696885	311134	1.289		8.851645		0.885164	B	0.000647
PCB 55 (BZ)	31:07	20079	3717	1.161		0.116359		0.011636	Q	0.000719
PCB 56 (BZ)	31:37	48219	8504	1.231		0.263461		0.026346		0.000678
PCB 60 (BZ)	31:50	226201	40683	1.191		1.277334		0.127733		0.000701
PCB 80 (BZ)				1.416				ND		0.000589
PCB 79 (BZ)	33:41	7112	1535	1.371		0.034893		0.003489	QJ	0.000609

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9T1AA	Prep Batch	7278087	Lot No	H7I280209-003
Data File	/20071012s1/apj7v9t.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99735	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	18:30	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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		0.000707
PCB 81 (BZ)				1.317				ND		0.000654
PCB 77 (BZ)	35:23	78852	14312	1.200		0.441490		0.044149		0.000675
Total Pentachlorobiphenyl		47572973	7457083			279.884302		27.988430	BQ	0.0520
13C12-PCB 104	26:38	1324282	290766	1.260	10.00	8.798322	87.98	0.879832		0.00108
13C12-PCB 95				0.741	5.000			ND		0.00145
13C12-PCB 101	32:32	1194800	229407	1.000	10.00	10.000000	100.00	1.000000		0.00136
13C12-PCB 111	35:10	1373232	287919	1.229	10.00	9.351769	93.52	0.935177		0.00111
13C12-PCB 123	37:10	1711216	345851	0.955	10.00	8.519811	85.20	0.851981		0.000832
13C12-PCB 118	37:30	1871142	360833	0.988	10.00	9.000170	90.00	0.900017		0.000803
13C12-PCB 114	38:03	1698990	323685	0.971	10.00	8.317429	83.17	0.831743		0.000818
13C12-PCB 105	38:47	1679491	328069	0.941	10.00	8.480365	84.80	0.848036		0.000843
13C12-PCB 127	40:08	2104224	393647	1.000	10.00	10.000000	100.00	1.000000		0.000794
13C12-PCB 126	41:50	1732499	344326	0.978	10.00	8.420140	84.20	0.842014		0.000812
PCB 104 (BZ)				1.149				ND		0.00137
PCB 96 (BZ)				1.014				ND		0.00155
PCB 103 (BZ)	28:57	3935	995	0.866		0.034297		0.003430	J	0.00182
PCB 94 (BZ)				0.703				ND		0.00224
PCB 95 (BZ)	29:42	555737	109340	0.859		4.886928		0.488693	BC	0.00183
PCB 100 (BZ)		555737		0.859		4.886928		0.488693	BC95	0.00183
PCB 93 (BZ)	29:56	9934	1478	0.701		0.106945		0.010694		0.00224
PCB 102 (BZ)				0.822				ND	C98	0.00191
PCB 98 (BZ)				0.822				ND	C	0.00191
PCB 88 (BZ)				0.723				ND		0.00218
PCB 91 (BZ)	30:32	46990	10116	0.864		0.410793		0.041079		0.00182
PCB 84 (BZ)	30:51	43013	8321	0.679		0.478098		0.047810		0.00232
PCB 89 (BZ)				0.717				ND		0.00219
PCB 121 (BZ)				1.105				ND		0.00142
PCB 92 (BZ)	31:58	526980	97786	0.772		5.152282		0.515228		0.00204
PCB 113 (BZ)	32:33	2611810	505237	0.990		19.929066		1.992907	BC90	0.00159
PCB 90 (BZ)		2611810		0.990		19.929066		1.992907	BC	0.00159
PCB 101 (BZ)		2611810		0.990		19.929066		1.992907	BC90	0.00159
PCB 83 (BZ)	33:07	4732218	905203	0.777		46.010555		4.601055	C	0.00203
PCB 99 (BZ)		4732218		0.777		46.010555		4.601055	C83	0.00203
PCB 112 (BZ)				1.079				ND		0.00146
PCB 109 (BZ)/108 (IUPAC)		1018120		0.967		7.952226		0.795223	C86	0.00163
PCB 86 (BZ)		1018120		0.967		7.952226		0.795223	C	0.00163
PCB 119 (BZ)		1018120		0.967		7.952226		0.795223	C86	0.00163
PCB 97 (BZ)		1018120		0.967		7.952226		0.795223	C86	0.00163
PCB 125 (BZ)	33:50	1018120	132448	0.967		7.952226		0.795223	C86	0.00163
PCB 87 (BZ)		1018120		0.967		7.952226		0.795223	C86	0.00163
PCB 117 (BZ)	34:18	1579847	48808	0.979		12.184078		1.218408	C85	0.00161
PCB 116 (BZ)		1579847		0.979		12.184078		1.218408	C85	0.00161
PCB 85 (BZ)	34:26	1579847	280497	0.979		12.184078		1.218408	C	0.00161
PCB 110 (BZ)	34:38	2097682	400287	1.139		13.910311		1.391031	BC	0.00138
PCB 115 (BZ)		2097682		1.139		13.910311		1.391031	BC110	0.00138
PCB 82 (BZ)	34:59	26162	4198	0.605		0.326737		0.032674		0.00260
PCB 111 (BZ)	35:11	7033	1660	1.129		0.047050		0.004705	QJ	0.00139
PCB 120 (BZ)	35:38	43053	8103	1.192		0.272703		0.027270		0.00132

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9T1AA	Prep Batch	7278087	Lot No	H7I280209-003
Data File	/20071012s1/apj7v9t.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99735	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	18:30	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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)		158650		1.123		0.812187		0.081219	C108	0.00120
PCB 108 (BZ)/107 (IUPAC)	36:51	158650	29841	1.123		0.812187		0.081219	C	0.00120
PCB 107 (BZ)/109 (IUPAC)	37:05	1175492	239968	1.074		6.294370		0.629437		0.00125
PCB 123 (BZ)	37:12	305594	62819	1.136		1.572009		0.157201		0.00116
PCB 106 (BZ)				1.046				ND		0.00128
PCB 118 (BZ)	37:32	25343361	4874879	1.094		123.838687		12.383869	B	0.00116
PCB 122 (BZ)				1.047				ND		0.00128
PCB 114 (BZ)	38:04	556145	94654	1.196		2.736699		0.273670		0.00118
PCB 105 (BZ)	38:49	6629788	1241995	1.218		32.406306		3.240631		0.00114
PCB 127 (BZ)	40:10	46178	8091	1.130		0.234936		0.023494		0.00119
PCB 126 (BZ)	41:51	55251	11896	1.111		0.287041		0.028704	Q	0.00120
Total Hexachlorobiphenyl		55627521	10780176			369.206075		36.920608	BQ	0.0781
13C12-PCB 155	32:09	1249315	239503	1.178	10.00	8.876952	88.77	0.887695		0.00109
13C12-PCB 153				0.833	5.000			ND		0.00167
13C12-PCB 138	40:36	1507622	307826	1.000	10.00	10.000000	100.00	1.000000		0.000958
13C12-PCB 167	43:31	1658221	320848	1.237	10.00	8.894197	88.94	0.889420		0.000775
13C12-PCB 156	44:48	3205752	330729	1.229	20.00	17.304252	86.52	1.730425		0.000780
13C12-PCB 157								ND		0.000000
13C12-PCB 169	48:01	1262910	198626	1.188	10.00	7.053721	70.54	0.705372		0.000807
PCB 155 (BZ)				1.117				ND		0.00180
PCB 152 (BZ)				1.023				ND		0.00197
PCB 150 (BZ)				1.032				ND		0.00195
PCB 136 (BZ)	33:11	78469	15098	0.967		0.649830		0.064983	B	0.00208
PCB 145 (BZ)				1.021				ND		0.00197
PCB 148 (BZ)				0.749				ND		0.00269
PCB 151 (BZ)	35:28	425239	65055	0.781		4.360994		0.436099	BC135	0.00258
PCB 135 (BZ)		425239		0.781		4.360994		0.436099	BC	0.00258
PCB 154 (BZ)		425239		0.781		4.360994		0.436099	BC135	0.00258
PCB 144 (BZ)	36:00	26376	5484	0.759		0.278287		0.027829		0.00266
PCB 147 (BZ)	36:23	271465	46796	0.862		2.056574		0.205657	BC	0.00263
PCB 149 (BZ)		271465		0.862		2.056574		0.205657	BC147	0.00263
PCB 134 (BZ)	36:39	23684	5069	0.711		0.217339		0.021734	C	0.00319
PCB 143 (BZ)		23684		0.711		0.217339		0.021734	C134	0.00319
PCB 139 (BZ)	36:55	223551	42426	0.856		1.705602		0.170560	C	0.00265
PCB 140 (BZ)		223551		0.856		1.705602		0.170560	C139	0.00265
PCB 131 (BZ)	37:11	5776	1119	0.713		0.052851		0.005285	QJ	0.00318
PCB 142 (BZ)				0.735				ND		0.00309
PCB 132 (BZ)	37:44	79151	17827	0.710		0.727611		0.072761	B	0.00320
PCB 133 (BZ)	38:03	188025	37785	0.768		1.597589		0.159759		0.00295
PCB 165 (BZ)				0.993				ND		0.00229
PCB 146 (BZ)	38:41	2041929	408646	0.874		15.258176		1.525818		0.00260
PCB 161 (BZ)				1.090				ND		0.00208
PCB 153 (BZ)	39:17	22961426	4532613	1.068		140.299904		14.029990	BC	0.00212
PCB 168 (BZ)		22961426		1.068		140.299904		14.029990	BC153	0.00212
PCB 141 (BZ)	39:34	683658	116047	0.756		5.905642		0.590564		0.00300
PCB 130 (BZ)	39:59	173625	35229	0.708		1.600023		0.160002		0.00320
PCB 137 (BZ)	40:10	1219344	243113	0.835		9.532697		0.953270		0.00272
PCB 164 (BZ)	40:21	237608	47392	1.033		1.501428		0.150143		0.00220
PCB 138 (BZ)	40:37	17196172	3484759	0.922		121.761154		12.176115	BC129	0.00246

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9T1AA	Prep Batch	7278087	Lot No	H7I280209-003
Data File	/20071012s1/apj7v9t.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99735	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	18:30	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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)		17196172		0.922		121.761154		12.176115	BC129	0.00246
PCB 129 (BZ)		17196172		0.922		121.761154		12.176115	BC	0.00246
PCB 160 (BZ)		17196172		0.922		121.761154		12.176115	BC129	0.00246
PCB 158 (BZ)	40:59	1951222	375029	1.191		10.694216		1.069422		0.00191
PCB 166 (BZ)	41:50	159329	31792	1.102		0.943759		0.094376		0.00206
PCB 128 (BZ)	41:59	2773043	557570	0.769		23.547146		2.354715		0.00295
PCB 159 (BZ)				1.079				ND		0.00210
PCB 162 (BZ)	43:04	106427	20537	1.079		0.644023		0.064402		0.00210
PCB 167 (BZ)	43:33	955664	193643	1.150		5.010453		0.501045		0.00131
PCB 156 (BZ)	44:44	3835176	606861	1.151		20.794671		2.079467	C	0.00254
PCB 157 (BZ)		3835176		1.151		20.794671		2.079467	C156	0.00254
PCB 169 (BZ)	48:01	11162	2137	1.337		0.066106		0.006611	QJ	0.00182
Total Heptachlorobiphenyl		8245064	803215			64.915291		6.491529	BQ	0.0261
13C12-PCB 188	37:53	1501199	300692	1.238	10.00	8.672328	86.72	0.867233		0.000791
13C12-PCB 178	40:58	1005000	206361	0.863	10.00	8.328658	83.29	0.832866		0.00113
13C12-PCB 180	46:01	1398086	270644	1.000	10.00	10.000000	100.00	1.000000		0.000979
13C12-PCB 170	47:22	986145	192151	0.813	10.00	8.670868	86.71	0.867087		0.00120
13C12-PCB 189	50:35	1226686	167949	1.620	10.00	14.394265	143.94	1.439426		0.00271
PCB 188 (BZ)				1.071				ND		0.000909
PCB 179 (BZ)	38:23	47302	10188	1.200		0.316993		0.031699	B	0.000989
PCB 184 (BZ)				1.178				ND		0.00101
PCB 176 (BZ)				1.252				ND		0.000948
PCB 186 (BZ)				1.214				ND		0.000977
PCB 178 (BZ)	41:00	148902	29791	0.889		1.346256		0.134626		0.00133
PCB 175 (BZ)	41:36	15393	3380	0.920		0.134518		0.013452		0.00129
PCB 187 (BZ)	41:51	952016	198156	1.009		7.587928		0.758793		0.00118
PCB 182 (BZ)	42:03	10027	2136	0.972		0.082958		0.008296	QJ	0.00122
PCB 183 (BZ)	42:27	616838	126622	0.946		5.242027		0.524203	B	0.00125
PCB 185 (BZ)	42:38	14715	4067	0.919		0.128760		0.012876	Q	0.00129
PCB 174 (BZ)	42:48	32256	5972	0.924		0.280680		0.028068		0.00128
PCB 177 (BZ)	43:14	74187	16064	0.880		0.678241		0.067824		0.00135
PCB 181 (BZ)	43:34	35501	7050	0.975		0.292850		0.029285		0.00122
PCB 171 (BZ)		283126		0.835		2.726274		0.272627	C	0.00142
PCB 173 (BZ)	43:50	283126	57308	0.835		2.726274		0.272627	C171	0.00142
PCB 172 (BZ)	45:24	141145	25112	0.838		1.353974		0.135397		0.00142
PCB 192 (BZ)				1.147				ND		0.00103
PCB 193 (BZ)	46:02	3831336	711711	1.134		27.166019		2.716602	C180	0.00105
PCB 180 (BZ)		3831336		1.134		27.166019		2.716602	C	0.00105
PCB 191 (BZ)	46:23	90324	16211	1.228		0.591542		0.059154		0.000967
PCB 170 (BZ)	47:24	1384985	259307	1.058		13.279489		1.327949		0.00144
PCB 190 (BZ)	47:54	498288	89659	1.254		3.196192		0.319619		0.000947
PCB 189 (BZ)	50:37	68723	9500	1.097		0.510591		0.051059		0.00159
Total Octachlorobiphenyl		760635	131062			9.326230		0.932623	Q	0.0145
13C12-PCB 202	43:13	1302207	266945	0.994	10.00	9.372467	93.72	0.937247		0.000744
13C12-PCB 194	52:48	525904	60327	1.000	10.00	10.000000	100.00	1.000000		0.00332
13C12-PCB 205	53:18	657169	79575	1.407	10.00	8.882874	88.83	0.888287		0.00236
PCB 202 (BZ)	43:16	64456	13042	0.993		0.498608		0.049861		0.000698
PCB 200 (BZ)/201 (IUPAC)	44:10	12344	2374	1.087		0.087211		0.008721	QJ	0.000638
PCB 204 (BZ)				1.033				ND		0.000671

STL - Knoxville

IsoCalc Preliminary Sample Report

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

IsoCalc

Workorder	J7V9T1AA	Prep Batch	7278087	Lot No	H7I280209-003
Data File	/20071012s1/apj7v9t.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99735	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/2007	Matrix	BIOLOGIC	Date Sampled	09/20/07
Analysis Time	18:30	Initial Wt/Vol	10.0	Lims Test Code	XXT4WIE01
Anal Exp Date	10/04/08	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)	44:59	9642	2344	1.061		0.069763		0.006976	J	0.000653
PCB 199 (BZ)/200 (IUPAC)				1.031				ND		0.000672
PCB 198 (BZ)	47:59	145040	25635	0.761		1.463974		0.146397	C	0.000911
PCB 201 (BZ)/199 (IUPAC)		145040		0.761		1.463974		0.146397	C198	0.000911
PCB 196 (BZ)	48:38	86888	17101	0.752		0.887155		0.088716		0.000921
PCB 203 (BZ)	48:50	224952	38505	0.856		2.018092		0.201809		0.000810
PCB 195 (BZ)	50:17	91946	15372	0.723		1.936414		0.193641		0.00322
PCB 194 (BZ)	52:50	115888	15405	0.795		2.218491		0.221849		0.00292
PCB 205 (BZ)	53:18	9479	1284	0.984		0.146522		0.014652		0.00236
Total Nonachlorobiphenyl		52544	9425			0.963483		0.096348	Q	0.00274
13C12-PCB 208	49:53	1008539	179995	1.161	10.00	16.516818	165.17	1.651682		0.00200
13C12-PCB 206	54:58	416681	48003	0.823	10.00	9.631070	96.31	0.963107		0.00282
PCB 208 (BZ)	49:57	10052	2136	1.026		0.097116		0.009712	QJ	0.000474
PCB 207 (BZ)	50:54	5836	1830	1.264		0.064794		0.006479	QJ	0.000607
PCB 206 (BZ)	55:00	36656	5459	1.097		0.801573		0.080157		0.00166
13C12-PCB 209	56:26	881644	157502	0.930	10.00	18.024266	180.24	1.802427		0.00138
PCB 209 (BZ)	56:25	11074	2290	1.006		0.124893		0.012489	Q	0.000600

STL - Knoxville

IsoCalc Preliminary Peak Report

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

IsoCalc

Workorder	J7V9T1AA	Prep Batch	7278087	Lot No	H7I280209-003
Data File	/20071012s1/apj7v9t.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99735	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 18:30	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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	95	110	38	44	0.86 *	/	
200					200.0795	202.0766	200.0795	202.0766	2.66-3.60		
	Noise	00:00	00:00	0	140	468	56	187	0.30 *	/	
	13C12-PCB 1	12:22	12:21	1	926288	299725	332437	97397	3.09	AVV/AVV	
	13C12-PCB 3	14:37	14:34	3	734380	229741	213157	62944	3.20	ABV/ABV	
222					222.0003	223.9974	222.0003	223.9974	1.33-1.79		
	Noise	00:00	00:00	0	150	388	60	155	0.39 *	/	
	PCB 4 (BZ)	14:55	14:52	3	3656	3287	668	1416	1.11 *	MBB/MVV	R
	PCB 9 (BZ)	16:50	16:51	-1	1312	7566	302	1458	0.17 *	MBB/ABV	RD
	PCB 6 (BZ)	17:20	17:17	3	3141	3246	849	1782	0.97 *	ABB/AVV	RM
	PCB 8 (BZ)	17:45	17:44	1	13175	13866	3750	2501	0.95 *	MBB/AVB	R
	PCB 11 (BZ)	20:16	20:14	2	3816	5058	948	1602	0.75 *	MBB/ABB	R
	PCB 15 (BZ)	20:54	20:51	3	3454	4493	860	1129	0.77 *	MBB/MVV	R
234					234.0406	236.0376	234.0406	236.0376	1.33-1.79		
	Noise	00:00	00:00	0	183	155	73	62	1.18 *	/	
	13C12-PCB 4	14:54	14:51	3	624032	378724	193418	116620	1.65	ABV/ABV	
	13C12-PCB 9	16:51	16:49	2	1328335	836246	353971	223876	1.59	ABV/ABV	
	13C12-PCB 15	20:54	20:51	3	1147499	730995	245698	158988	1.57	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)	19:57	19:55	2	23348	20896	6011	5458	1.12	ABB/ABB	
	PCB 17 (BZ)	20:21	20:20	1	7814	7863	1836	1772	0.99	ABB/ABB	
	PCB 27 (BZ)	20:34	20:35	-1	1407	1267	384	284	1.11	ABB/ABB	D
	PCB 16 (BZ)	20:53	20:51	2	4230	3258	1042	708	1.30 *	ABB/ABB	R
	PCB 32 (BZ)	21:23	21:21	2	4761	4368	1073	1165	1.09	ABB/ABB	
	PCB 29 (BZ)	23:03	23:02	1	15501	15676	3825	3905	0.99	ABV/ABB	
	PCB 25 (BZ)	23:17	23:16	1	4528	4316	1153	855	1.05	AVB/ABB	
	PCB 31 (BZ)	23:37	23:37	0	66131	56894	14107	12833	1.16	ABV/ABV	
	PCB 28 (BZ)	23:54	23:53	1	134953	122371	28297	25933	1.10	AVV/AVV	
	PCB 33 (BZ)	24:12	24:11	1	26753	23583	6040	4370	1.13	AVB/AVV	
	PCB 22 (BZ)	24:36	24:35	1	18905	15828	4200	4018	1.19	ABB/ABB	
	PCB 37 (BZ)	28:02	28:00	2	6743	5572	1604	1346	1.21 *	MBB/MBB	R
268					268.0016	269.9986	268.0016	269.9986	0.88-1.20		
	Noise	00:00	00:00	0	345	255	138	102	1.35 *	/	
	13C12-PCB 19	18:05	18:03	2	408314	376310	107145	99594	1.09	AVV/ABV	
	13C12-PCB 32	21:21	21:19	2	916385	836191	220817	198033	1.10	AVV/ABV	
	13C12-PCB 31	23:36	23:35	1	1292271	1206789	283079	271372	1.07	ABV/ABV	
	13C12-PCB 28	23:53	23:52	1	1023305	960173	234059	214110	1.07	AVB/AVB	
	13C12-PCB 37	28:00	27:58	2	945740	883531	177363	168477	1.07	ABB/ABB	
290					289.9224	291.9194	289.9224	291.9194	0.65-0.89		
	Noise	00:00	00:00	0	115	123	46	49	0.94 *	/	
	PCB 53 (BZ)	23:26	23:22	4	1855	2918	363	691	0.64 *	ABB/ABB	RTM
	PCB 45 (BZ)	24:07	24:04	3	2858	3011	613	711	0.95 *	ABB/ABB	R

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 coman limit D = peak outside RT window # = 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	J7V9T1AA	Prep Batch	7278087	Lot No	H7I280209-003
Data File	/20071012s1/apj7v9t.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99735	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 18:30	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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**		
	PCB 52 (BZ)	25:44	25:45	-1	407879	545498	91107	120674	0.75	MBV/MBV	D
	PCB 43 (BZ)	25:56	25:58	-2	6843	13278	1214	1546	0.52 *	MVV/MVV	RM
	PCB 49 (BZ)	26:13	26:14	-1	159017	212929	35223	46164	0.75	AVV/AVV	D
	PCB 48 (BZ)	26:30	26:30	0	11335	16644	2016	3391	0.68	AVV/AVV	D
	PCB 65 (BZ)	26:44	26:43	1	145656	186874	20236	27936	0.78	AVV/AVV	T
	PCB 62 (BZ)	27:01	26:59	2	12160	17128	1511	2450	0.71	AVB/AVV	
	PCB 42 (BZ)	27:19	27:18	1	11751	13788	2310	2768	0.85	ABB/AVB	D
	PCB 41 (BZ)	27:42	27:43	-1	1780	3795	528	875	0.47 *	ABV/ABV	RD
	PCB 71 (BZ)	27:50	27:49	1	14784	18473	2519	3210	0.80	AVV/AVV	
	PCB 64 (BZ)	28:01	28:01	0	76429	94946	15015	20095	0.80	AVB/AVB	D
	PCB 72 (BZ)	28:44	28:49	-5	7249	9987	1430	2066	0.73	ABV/ABV	M
	PCB 68 (BZ)	29:01	29:04	-3	2015	4313	857	737	0.47 *	AVB/AVB	RD
	PCB 58 (BZ)	29:41	29:47	-6	10953	15959	2377	3248	0.69	ABV/ABV	M
	PCB 67 (BZ)	29:52	29:54	-2	3775	4563	791	1058	0.83	AVB/AVB	D
	PCB 63 (BZ)	30:09	30:12	-3	32557	43874	6001	7958	0.74	ABB/ABB	D
	PCB 70 (BZ)	30:33	30:33	0	847122	1090951	152220	192282	0.78	ABV/ABV	
	PCB 66 (BZ)	30:52	30:53	-1	733081	963804	137800	173334	0.76	MVV/MVV	
	PCB 55 (BZ)	31:07	31:05	2	8735	21221	1617	3303	0.41 *	MVV/MVV	R
	PCB 56 (BZ)	31:37	31:36	1	21460	26759	3981	4523	0.80	ABV/ABV	
	PCB 60 (BZ)	31:50	31:48	2	97600	128601	16774	23909	0.76	AVV/AVV	
	PCB 79 (BZ)	33:41	33:42	-1	4383	4018	926	867	1.09 *	AVV/MVV	RD
	PCB 77 (BZ)	35:23	35:20	3	33309	45543	6449	7863	0.73	MBV/ABV	
302					**301.9626**	**303.9597**	**301.9626**	**303.9597**	**0.65-0.89**		
	Noise	00:00	00:00	0	118	120	47	48	0.98 *	/	
	13C12-PCB 54	21:15	21:12	3	348658	425655	79911	100385	0.82	ABV/ABV	
	13C12-PCB 52	25:43	25:44	-1	599290	750527	137107	167529	0.80	ABV/ABV	
	13C12-PCB 81	34:45	34:43	2	653400	831715	120007	155671	0.79	ABV/ABV	
	Unidentified	35:09	00:00	0	8223	4322	1662	977	1.90 *	AVB/ABB	R
	13C12-PCB 77	35:22	35:19	3	659366	829389	131216	162172	0.80	ABB/ABB	
326					**325.8804**	**327.8775**	**325.8804**	**327.8775**	**1.32-1.78**		
	Noise	00:00	00:00	0	250	208	100	83	1.20 *	/	
	PCB 103 (BZ)	28:57	28:59	-2	2387	1548	483	512	1.54	ABB/ABB	
	PCB 95 (BZ)	29:42	29:45	-3	340831	214906	66848	42492	1.59	ABV/MVV	
	PCB 93 (BZ)	29:56	29:54	2	5887	4047	1004	474	1.45	AVB/MVV	
	PCB 91 (BZ)	30:32	30:34	-2	28627	18363	6402	3714	1.56	ABB/ABB	
	PCB 84 (BZ)	30:51	30:51	0	26368	16645	5206	3115	1.58	ABB/ABB	
	PCB 92 (BZ)	31:58	32:01	-3	320352	206628	58869	38917	1.55	ABV/ABV	
	PCB 113 (BZ)	32:33	32:33	0	1613054	998756	310361	194876	1.62	ABV/ABV	
	PCB 83 (BZ)	33:07	33:07	0	2896197	1836021	551081	354122	1.58	ABV/ABV	
	PCB 125 (BZ)	33:50	33:48	2	629926	388194	82321	50127	1.62	AVB/AVB	
	PCB 117 (BZ)	34:18	34:19	-1	148220	95241	29211	19597	1.56	ABV/ABV	
	PCB 85 (BZ)	34:26	34:28	-2	819537	516849	172916	107581	1.59	AVV/AVV	M
	PCB 110 (BZ)	34:38	34:38	0	1279665	818017	247883	152404	1.56	AVV/AVV	
	PCB 82 (BZ)	34:59	35:00	-1	15525	10637	2312	1886	1.46	AVV/MVB	

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 comam 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	J7V9T1AA	Prep Batch	7278087	Lot No	H7I280209-003
Data File	/20071012s1/apj7v9t.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99735	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 18:30	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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 111 (BZ)	35:11	35:14	-3	8145	2758	1329	651	2.95 *	AVB/MVV	R
	PCB 120 (BZ)	35:38	35:42	-4	26095	16958	5006	3097	1.54	MVV/AVB	D
	PCB 108 (BZ)/107 (IUPAC	36:51	36:54	-3	95801	62849	18157	11684	1.52	ABV/ABV	
	PCB 107 (BZ)/109 (IUPAC	37:05	37:08	-3	730294	445198	151572	88396	1.64	AVV/AVV	M
	PCB 123 (BZ)	37:12	37:14	-2	186824	118770	38515	24304	1.57	AVB/AVB	DM
	PCB 118 (BZ)	37:32	37:35	-3	15541716	9801645	2989238	1885641	1.59	ABV/ABV	
	PCB 114 (BZ)	38:04	38:07	-3	338986	217159	58975	35679	1.56	AVB/AVB	
	PCB 105 (BZ)	38:49	38:50	-1	4063770	2566018	761357	480638	1.58	ABV/ABV	
	PCB 127 (BZ)	40:10	40:14	-4	28584	17594	5297	2794	1.62	AVB/AVV	
	PCB 126 (BZ)	41:51	41:53	-2	45244	21667	9682	4665	2.09 *	ABV/ABV	R
338					337.9207	339.9178	337.9207	339.9178	1.32-1.78		
	Noise	00:00	00:00	0	175	138	70	55	1.27 *	/	
	13C12-PCB 104	26:38	26:39	-1	825028	499254	180577	110189	1.65	ABV/ABV	
	13C12-PCB 101	32:32	32:33	-1	748359	446441	143448	85959	1.68	ABV/ABV	
	13C12-PCB 111	35:10	35:12	-2	846009	527223	176070	111849	1.60	ABV/ABV	
	13C12-PCB 123	37:10	37:14	-4	1056514	654702	215170	130681	1.61	ABV/ABV	M
	13C12-PCB 118	37:30	37:33	-3	1174453	696689	222843	137990	1.69	AVV/AVV	
	13C12-PCB 114	38:03	38:05	-2	1036252	662738	194811	128874	1.56	AVV/AVV	
	13C12-PCB 105	38:47	38:48	-1	1045676	633815	202103	125966	1.65	ABB/ABB	
	13C12-PCB 127	40:08	40:12	-4	1300745	803479	244257	149390	1.62	ABV/AVV	
	13C12-PCB 126	41:50	41:52	-2	1065319	667180	212500	131826	1.60	ABV/ABV	
360					359.8415	361.8385	359.8415	361.8385	1.05-1.43		
	Noise	00:00	00:00	0	263	220	105	88	1.19	/	
	PCB 136 (BZ)	33:11	33:12	-1	44000	34469	9041	6057	1.28	ABB/ABB	
	PCB 151 (BZ)	35:28	35:30	-2	238680	186559	37278	27777	1.28	ABV/ABV	
	PCB 144 (BZ)	36:00	36:04	-4	14411	11965	2915	2569	1.20	ABB/ABB	
	PCB 147 (BZ)	36:23	36:25	-2	151238	120227	25043	21753	1.26	ABV/ABV	
	PCB 134 (BZ)	36:39	36:40	-1	12640	11044	2620	2449	1.14	AVB/AVB	
	PCB 139 (BZ)	36:55	36:59	-4	124099	99452	23509	18917	1.25	ABB/ABB	M
	PCB 131 (BZ)	37:11	37:15	-4	3088	2688	634	485	1.15	ABB/ABB	TM
	PCB 132 (BZ)	37:44	37:47	-3	44916	34235	10900	6927	1.31	ABV/ABB	
	PCB 133 (BZ)	38:03	38:09	-6	103227	84798	21714	16071	1.22	AVB/ABB	M
	PCB 146 (BZ)	38:41	38:46	-5	1142454	899475	224932	183714	1.27	ABV/ABV	M
	PCB 153 (BZ)	39:17	39:24	-7	12748443	10212983	2509799	2022814	1.25	ABV/ABV	M
	PCB 141 (BZ)	39:34	39:38	-4	372145	311513	63608	52439	1.19	AVV/AVV	M
	PCB 130 (BZ)	39:59	40:05	-6	95720	77905	19296	15933	1.23	AVV/ABV	M
	PCB 137 (BZ)	40:10	40:16	-6	677517	541827	135416	107697	1.25	AVV/AVV	M
	PCB 164 (BZ)	40:21	40:25	-4	129944	107664	26828	20564	1.21	AVB/AVB	
	PCB 138 (BZ)	40:37	40:43	-6	9545793	7650379	1951567	1533192	1.25	ABV/ABV	M
	PCB 158 (BZ)	40:59	41:04	-5	1085493	865729	203070	171959	1.25	AVB/AVB	M
	PCB 166 (BZ)	41:50	41:55	-5	91889	67440	17976	13816	1.36	ABV/ABV	M
	PCB 128 (BZ)	41:59	42:02	-3	1546476	1226567	311472	246098	1.26	AVV/AVV	
	PCB 162 (BZ)	43:04	43:11	-7	61732	44695	11380	9157	1.38	MBV/MVV	M
	PCB 167 (BZ)	43:33	43:41	-8	538110	417554	108931	84712	1.29	ABV/ABV	M

Notes:
P = ratio is outside limits N = 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	J7V9T1AA	Prep Batch	7278087	Lot No	H7I280209-003
Data File	/20071012s1/apj7v9t.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99735	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 18:30	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	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 156 (BZ)	44:44	44:51	-7	2142912	1692264	338965	267896	1.27	ABV/ABV	M
	PCB 169 (BZ)	48:01	48:06	-5	8466	4983	1811	954	1.70 *	AVB/MVB	RM
372					371.8817	373.8788	371.8817	373.8788	1.05-1.43		
	Noise	00:00	00:00	0	163	133	65	53	1.23	/	
	13C12-PCB 155	32:09	32:14	-5	705933	543382	134529	104974	1.30	ABV/ABB	M
	13C12-PCB 138	40:36	40:41	-5	843256	664366	169460	138366	1.27	ABV/ABV	M
	Unidentified	40:58	00:00	0	13580	7503	2129	1245	1.81 *	AVB/AVB	R
	13C12-PCB 167	43:31	43:38	-7	929381	728840	180482	140366	1.28	AVV/ABV	M
	13C12-PCB 156	44:48	44:48	0	1802719	1403033	187762	142967	1.28	ABV/AVV	
	13C12-PCB 169	48:01	48:05	-4	709074	553836	113138	85488	1.28	ABV/ABV	
394					393.8025	395.7995	393.8025	395.7995	0.89-1.21		
	Noise	00:00	00:00	0	143	150	57	60	0.95	/	
	PCB 179 (BZ)	38:23	38:28	-5	23457	23845	5282	4906	0.98	ABB/ABB	M
	PCB 178 (BZ)	41:00	41:07	-7	76158	72744	15234	14557	1.05	ABB/ABB	M
	PCB 175 (BZ)	41:36	41:44	-8	7725	7668	1598	1782	1.01	ABB/ABB	M
	PCB 187 (BZ)	41:51	42:00	-9	489497	462519	102117	96039	1.06	ABV/ABV	M
	PCB 182 (BZ)	42:03	42:11	-8	5136	6697	1094	1270	0.77 *	AVB/AVB	RDM
	PCB 183 (BZ)	42:27	42:36	-9	311693	305145	64192	62430	1.02	ABV/ABV	M
	PCB 185 (BZ)	42:38	42:45	-7	9510	7178	1972	1984	1.32 *	AVV/AVV	RDM
	PCB 174 (BZ)	42:48	42:55	-7	16285	15971	3002	2970	1.02	AVB/AVB	DM
	PCB 177 (BZ)	43:14	43:22	-8	37279	36908	8160	7904	1.01	ABB/ABB	M
	PCB 181 (BZ)	43:34	43:42	-8	17504	17997	3477	3573	0.97	ABB/ABB	M
	PCB 173 (BZ)	43:50	43:58	-8	143186	139940	28524	28784	1.02	ABV/ABB	M
	PCB 172 (BZ)	45:24	45:33	-9	71262	69883	12565	12547	1.02	ABB/ABB	M
	PCB 193 (BZ)	46:02	46:08	-6	1944809	1886527	360247	351464	1.03	ABV/ABV	M
	PCB 191 (BZ)	46:23	46:34	-11	46148	44176	8303	7908	1.04	AVB/AVV	M
	PCB 170 (BZ)	47:24	47:32	-8	706800	678185	131727	127580	1.04	ABV/ABV	M
	PCB 190 (BZ)	47:54	48:01	-7	254833	243455	46067	43592	1.05	ABB/AVV	M
	PCB 189 (BZ)	50:37	50:35	2	33913	34810	4842	4658	0.97	ABB/ABB	
406					405.8428	407.8398	405.8428	407.8398	0.89-1.21		
	Noise	00:00	00:00	0	130	135	52	54	0.96	/	
	13C12-PCB 188	37:53	37:59	-6	768352	732847	155849	144843	1.05	ABV/ABV	
	13C12-PCB 178	40:58	41:05	-7	517254	487746	105678	100683	1.06	ABV/ABV	
	13C12-PCB 180	46:01	46:10	-9	725914	672172	140298	130346	1.08	ABV/ABV	
	13C12-PCB 170	47:22	47:30	-8	511256	474889	101942	90209	1.08	AVV/ABV	
	13C12-PCB 189	50:35	50:33	2	633513	593173	84290	83659	1.07	ABV/ABB	D
428					427.7635	429.7606	427.7635	429.7606	0.76-1.02		
	Noise	00:00	00:00	0	93	93	37	37	1.00	/	
	PCB 202 (BZ)	43:16	43:23	-7	29694	34762	5985	7057	0.85	ABB/ABB	M
	PCB 200 (BZ)/201 (IUPAC	44:10	44:19	-9	5813	8155	1118	1789	0.71 *	ABB/ABB	RM
	PCB 197 (BZ)	44:59	45:11	-12	4439	5203	1045	1299	0.85	ABB/ABB	DM
	PCB 198 (BZ)	47:59	48:05	-6	67715	77325	11692	13943	0.88	ABV/ABB	M
	PCB 196 (BZ)	48:38	48:48	-10	38978	47910	8180	8921	0.81	ABV/ABV	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

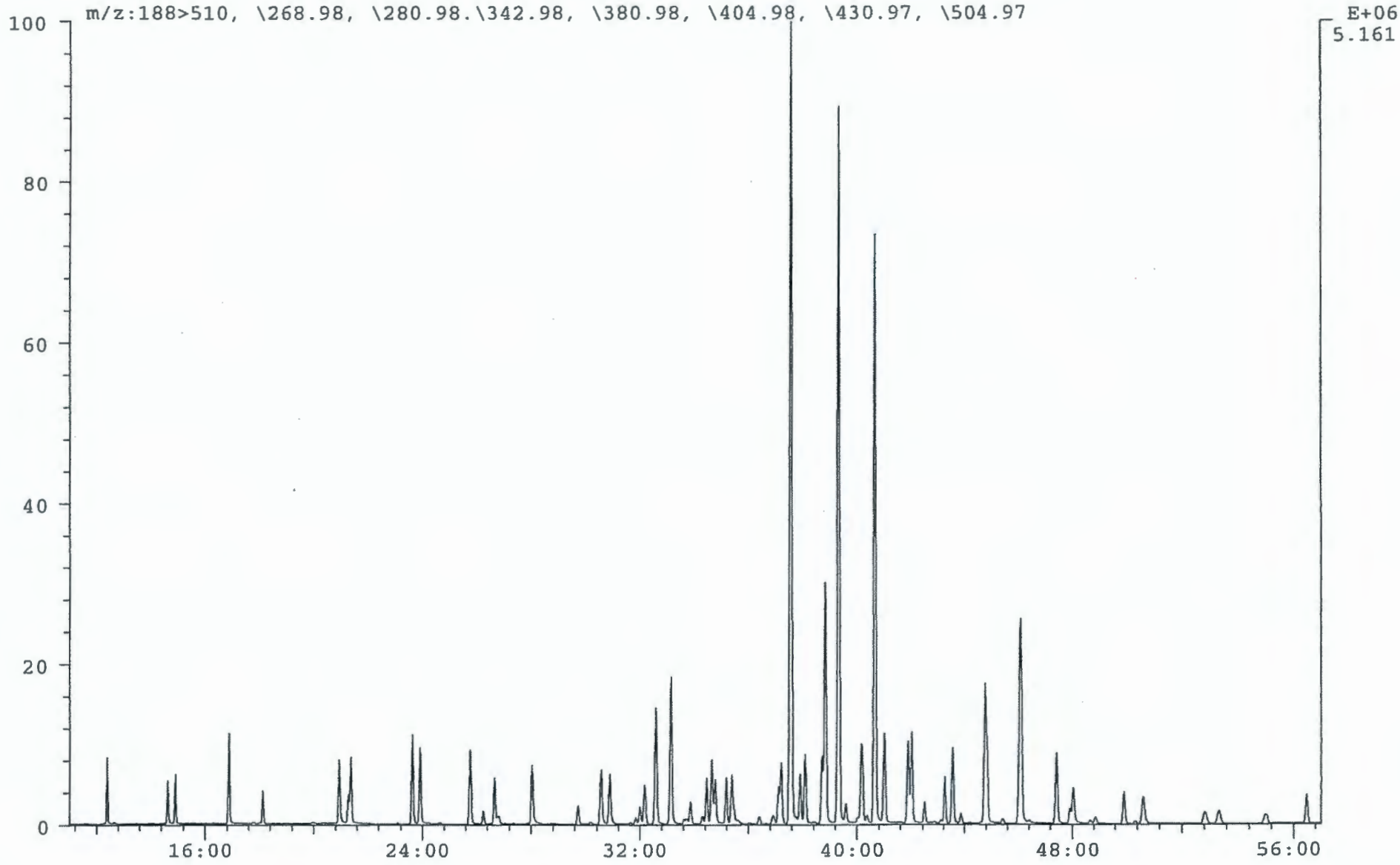
Workorder	J7V9T1AA	Prep Batch	7278087	Lot No	H7I280209-003
Data File	/20071012s1/apj7v9t.d	Prep Date	10/05/07	SDG No	J00140
Analysis ID	99735	Prep Exp Date	09/19/08	Date Received	09/28/07
Analysis Date	10/12/07 18:30	Matrix	BIOLOGIC	Date Sampled	09/20/07
Anal Exp Date	10/04/08	Initial Wt/Vol	10.0 g	Lims 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 203 (BZ)	48:50	48:58	-8	109409	115543	19118	19387	0.95	AVB/AVB	DM
	PCB 195 (BZ)	50:17	50:19	-2	43562	48384	6676	8696	0.90	ABB/ABB	D
	PCB 194 (BZ)	52:50	52:40	10	56219	59669	7933	7472	0.94	ABB/ABV	M
	PCB 205 (BZ)	53:18	53:08	10	4795	4684	646	638	1.02 *	ABB/ABB	M
440					**439.8038**	**441.8008**	**439.8038**	**441.8008**	**0.76-1.02**		
	Noise	00:00	00:00	0	88	113	35	45	0.78	/	
	13C12-PCB 202	43:13	43:22	-9	625306	676901	127072	139873	0.92	ABV/ABV	D
	13C12-PCB 194	52:48	52:39	9	250806	275098	28987	31340	0.91	ABV/ABV	
	13C12-PCB 205	53:18	53:06	12	314119	343050	37252	42323	0.92	AVV/AVV	
462					**461.7246**	**463.7216**	**461.7246**	**463.7216**	**0.65-0.89**		
	Noise	00:00	00:00	0	45	43	18	17	1.06 *	/	
	PCB 208 (BZ)	49:57	50:02	-5	4435	5617	921	1215	0.79	ABB/ABB	TM
	PCB 207 (BZ)	50:54	50:58	-4	2539	4085	796	835	0.62 *	ABB/ABB	RM
	PCB 206 (BZ)	55:00	54:50	10	15718	20938	2679	2780	0.75	ABB/ABB	M
474					**473.7648**	**475.7619**	**473.7648**	**475.7619**	**0.65-0.89**		
	Noise	00:00	00:00	0	63	78	25	31	0.81	/	
	13C12-PCB 208	49:53	50:01	-8	447638	560901	81511	98484	0.80	ABV/ABV	D
	13C12-PCB 206	54:58	54:49	9	184210	232471	21520	26483	0.79	ABV/ABB	
496					**495.6856**	**497.6826**	**495.6856**	**497.6826**	**0.59-0.79**		
	Noise	00:00	00:00	0	48	48	19	19	1.00 *	/	
	PCB 209 (BZ)	56:25	56:25	0	4183	6891	795	1495	0.61	ABB/ABB	T
508					**507.7258**	**509.7229**	**507.7258**	**509.7229**	**0.59-0.79**		
	Noise	00:00	00:00	0	50	28	20	11	1.82 *	/	
	13C12-PCB 209	56:26	56:24	2	368806	512838	66686	90816	0.72	ABV/ABV	

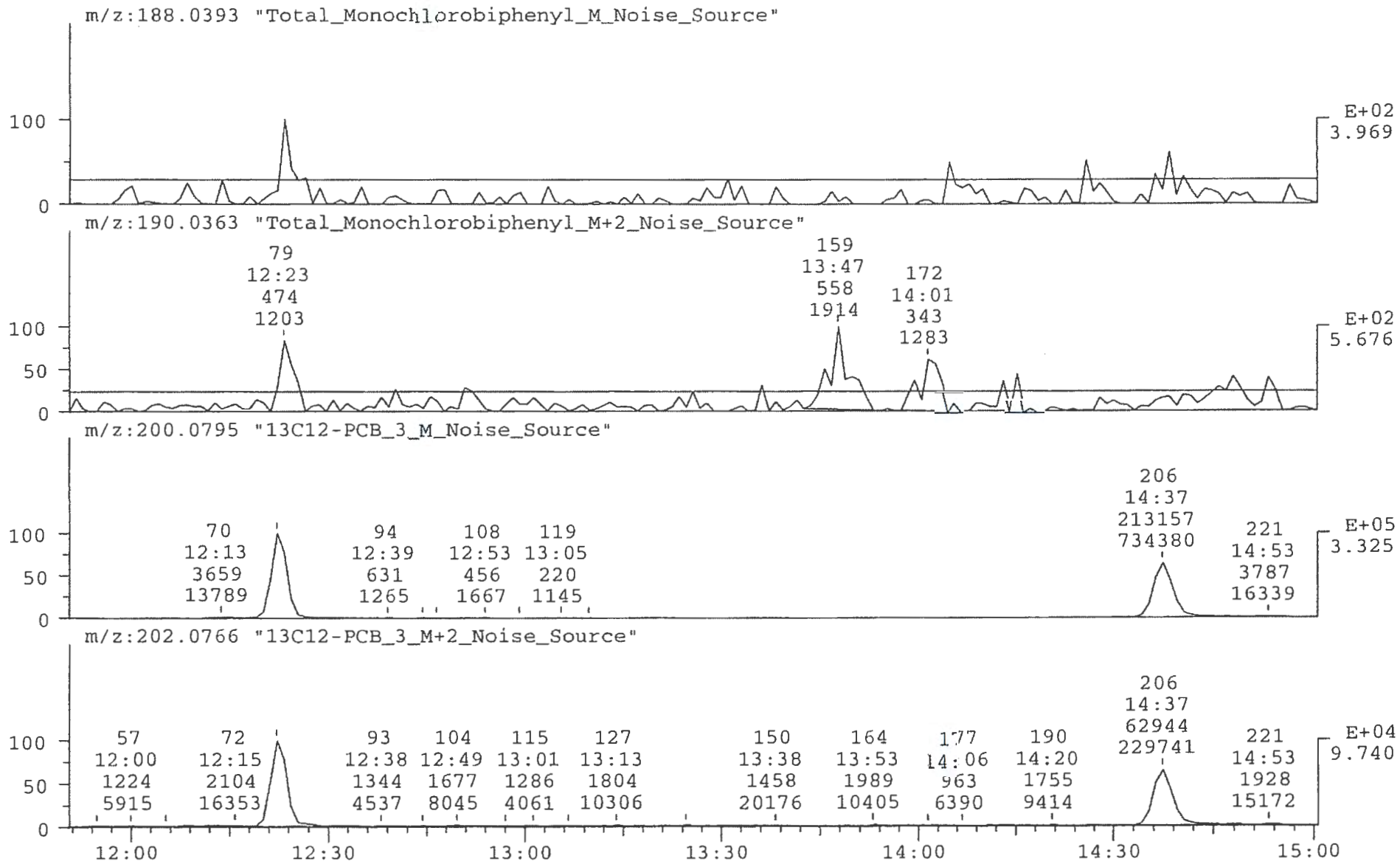
Notes:
R = ratio is outside limits M = data changed manually N = Peak not reported S = peak less than 2.5x S/N
T = peaks outside comax limit D = peak outside RT window W = peak outside first/last X = peak has dup match

Int PMP 10-13-07
Calc 10/15/07
QC/REV DCG 10/16/07

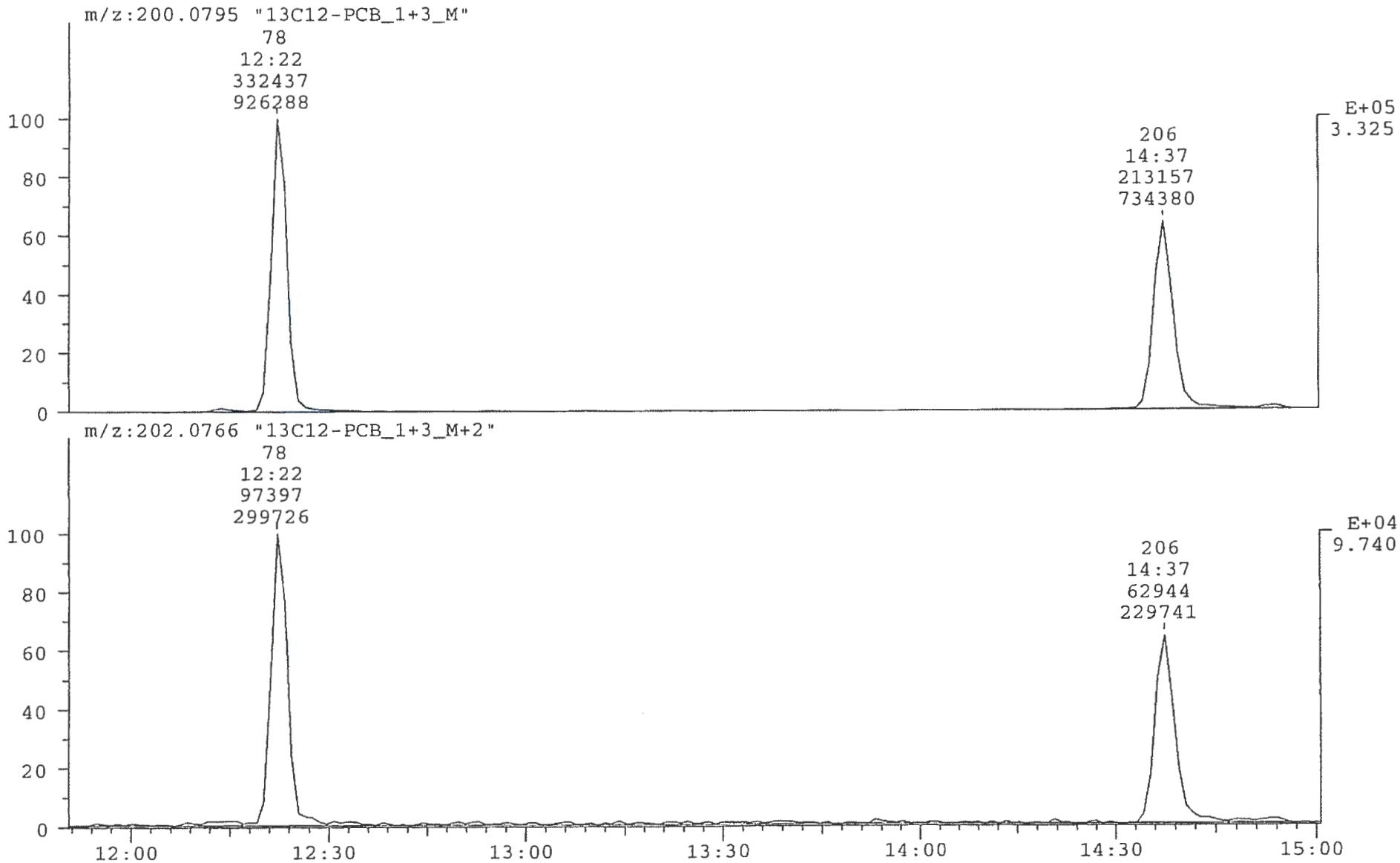
CHRO: apj7v9t 12-Oct-07 Elapse: 56:14 2556
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 2 > 2600 Masses: 181 > 510
Area: 5, 0.50, 0 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area



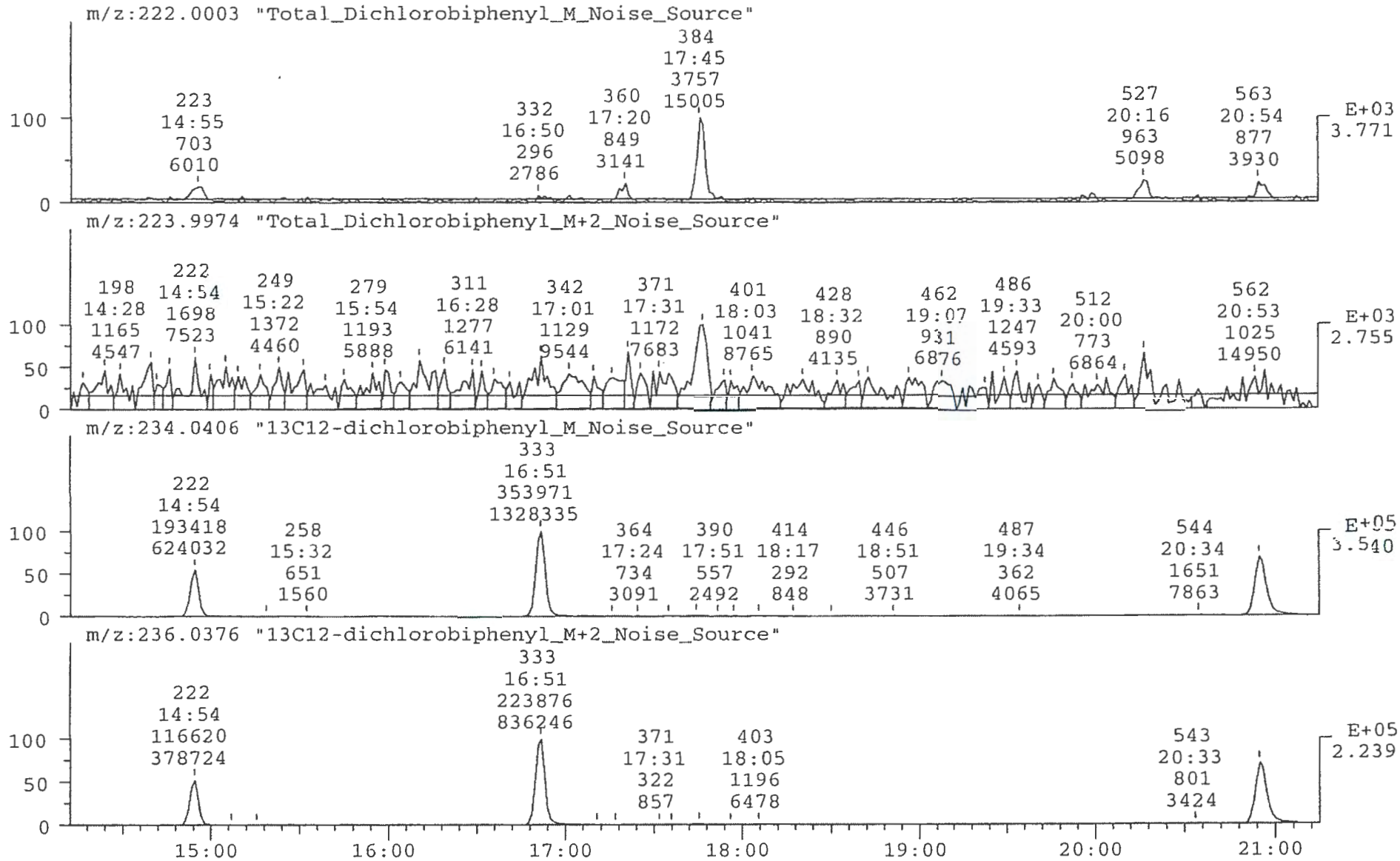
```
CHRO:  apj7v9t                                12-Oct-07  Elapse:  13:25.6      138
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003             Inlet :  GC     Vial  15
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
```



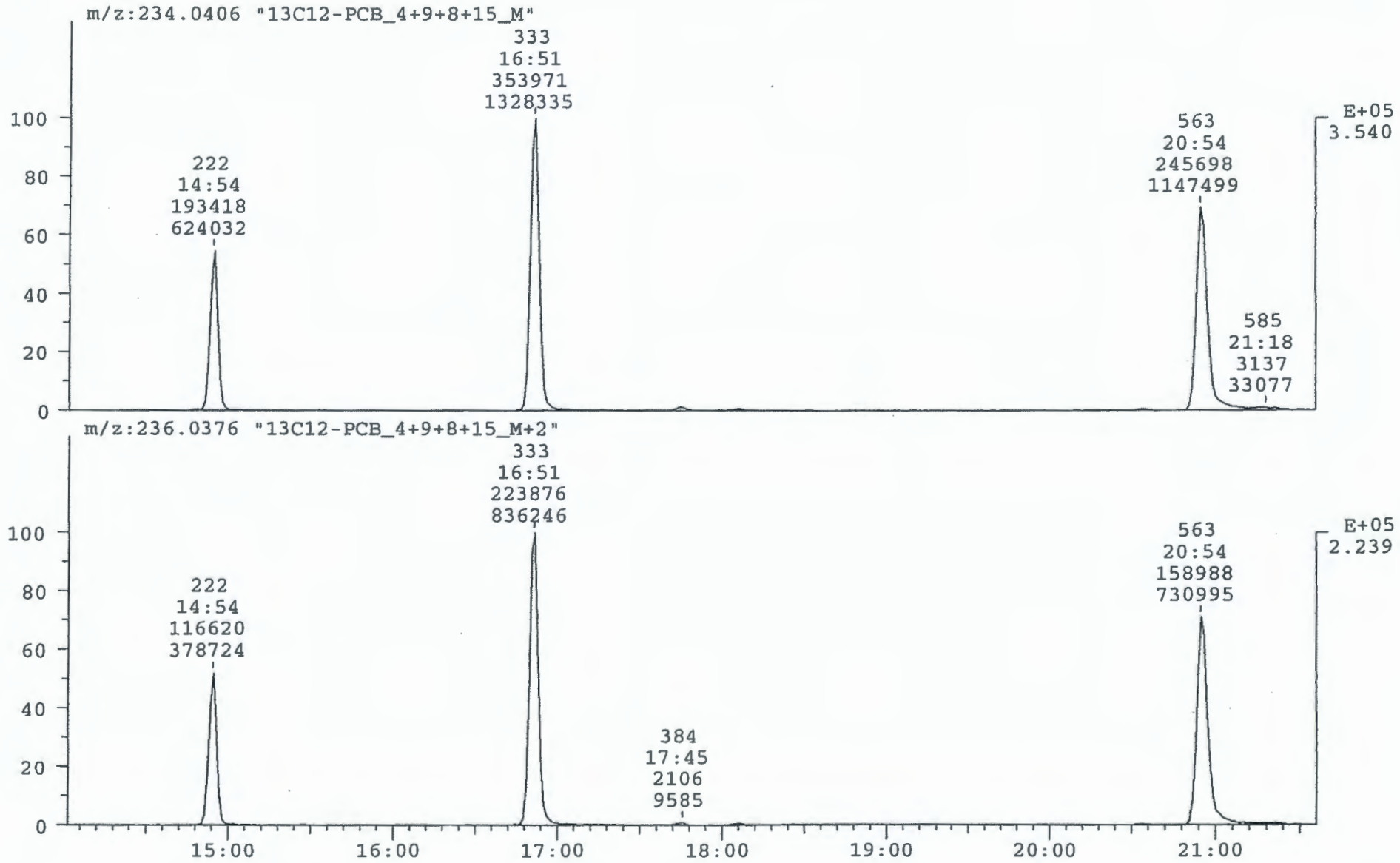
```
CHRO:  apj7v9t                                12-Oct-07  Elapse:  13:25.6      138
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1               Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                        Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003            Inlet :  GC     Vial  15
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
```



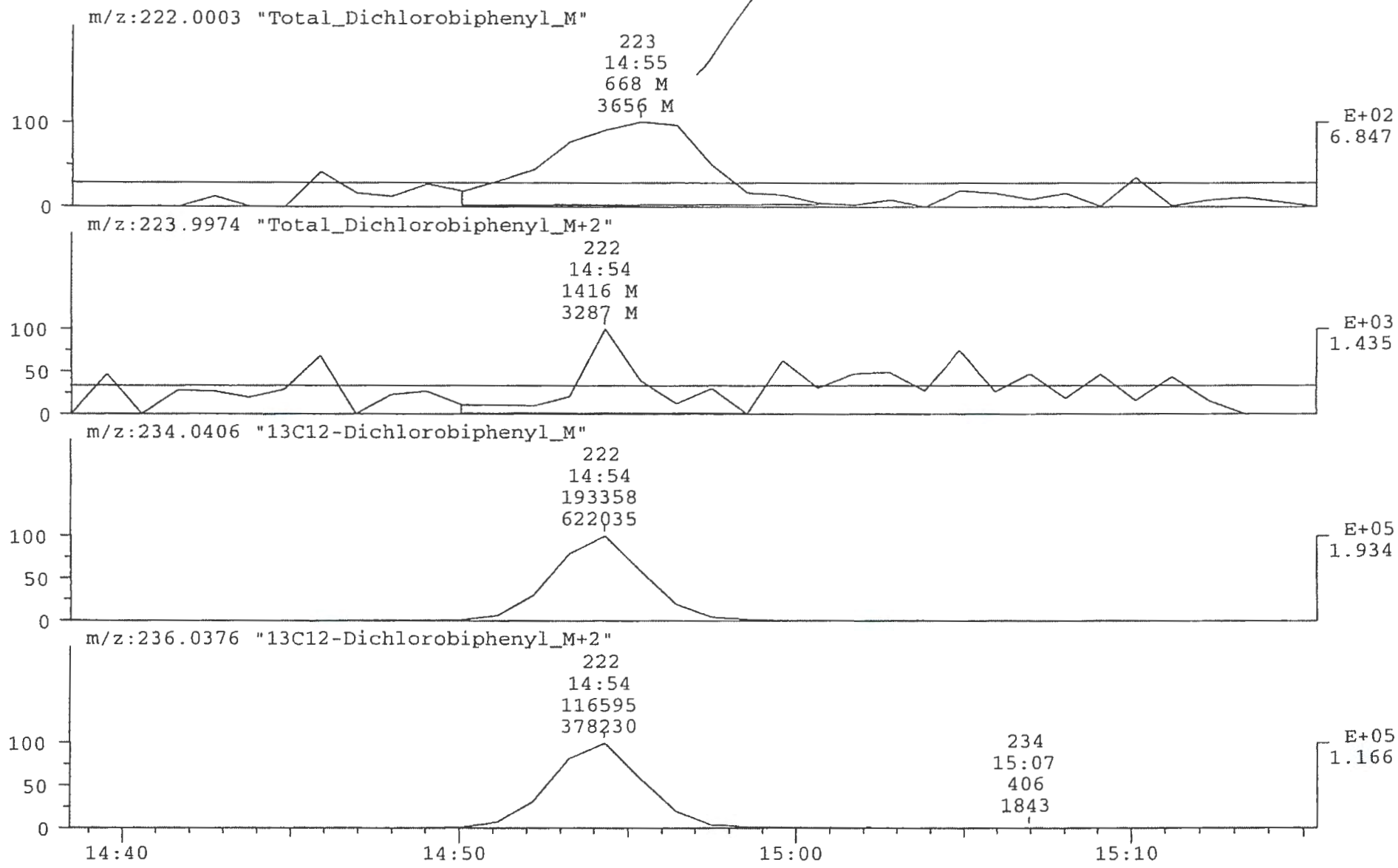
CHRO: apj7v9t 12-Oct-07 Elapse: 17:43.3 382
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 182 > 582 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



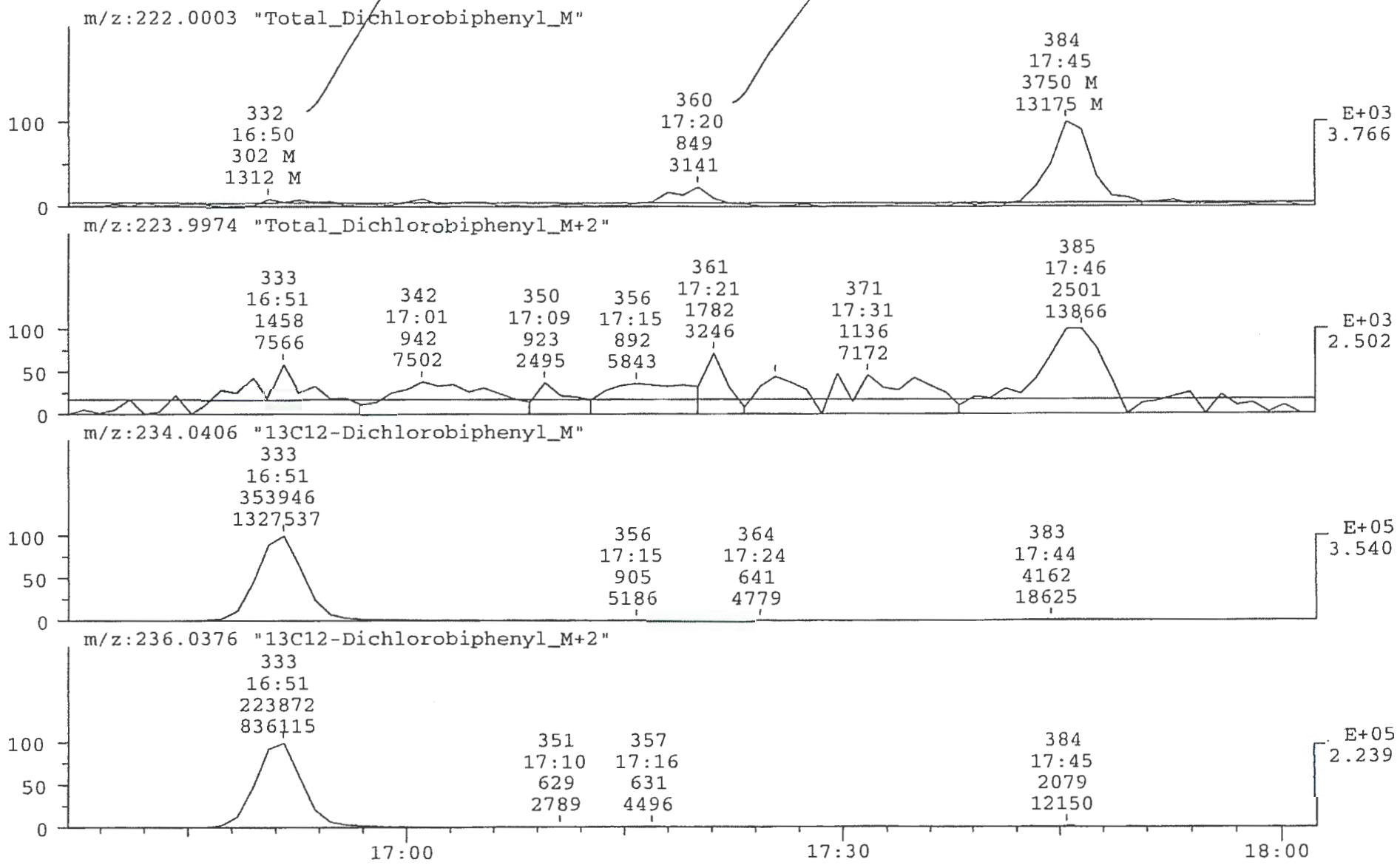
```
CHRO:  apj7v9t                                12-Oct-07  Elapse:  17:43.3      382
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003             Inlet :  GC     Vial  15
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
```



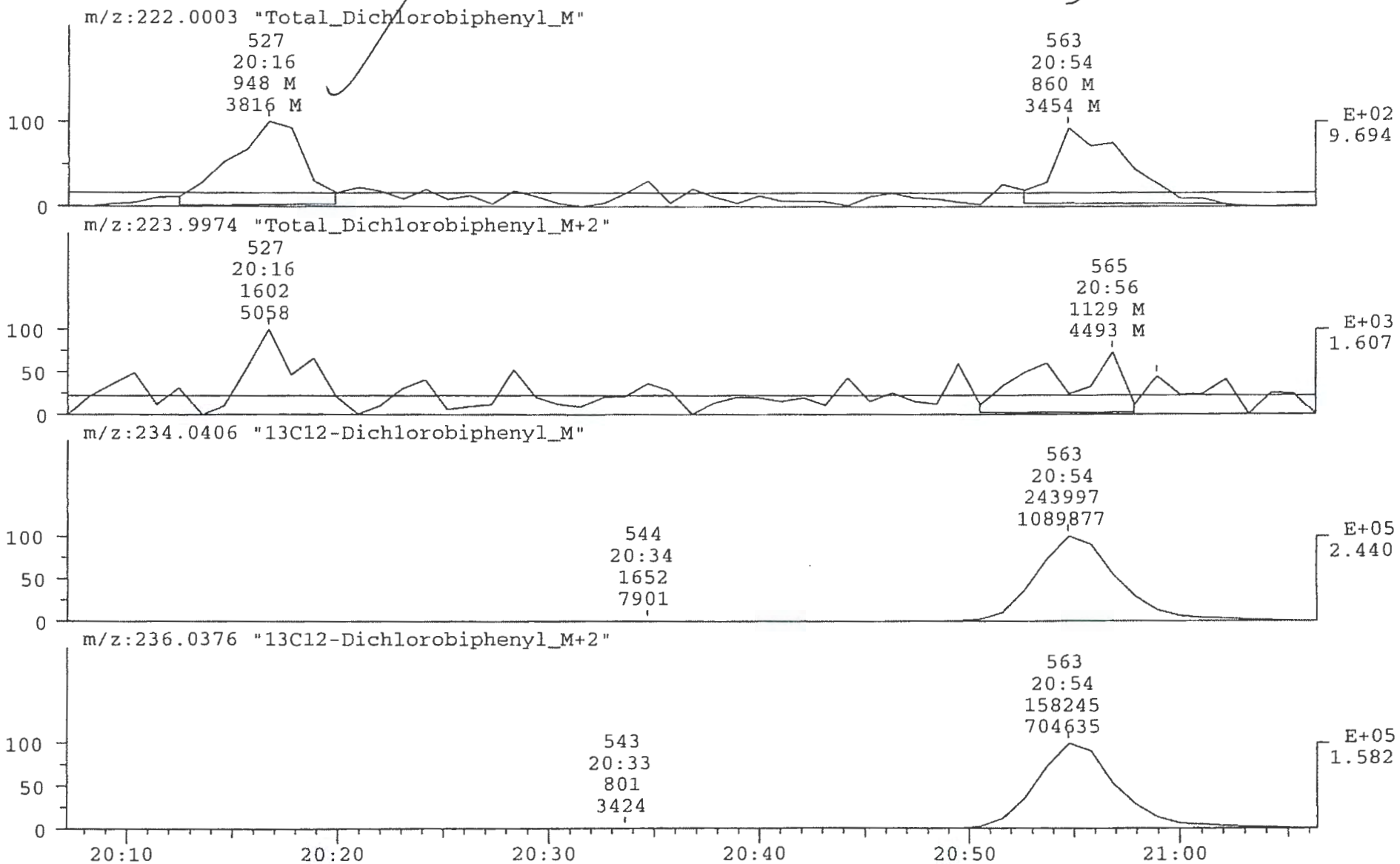
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC      Vial 15
Peak:  100.00  ppm      Label wndw:   207 > 242           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



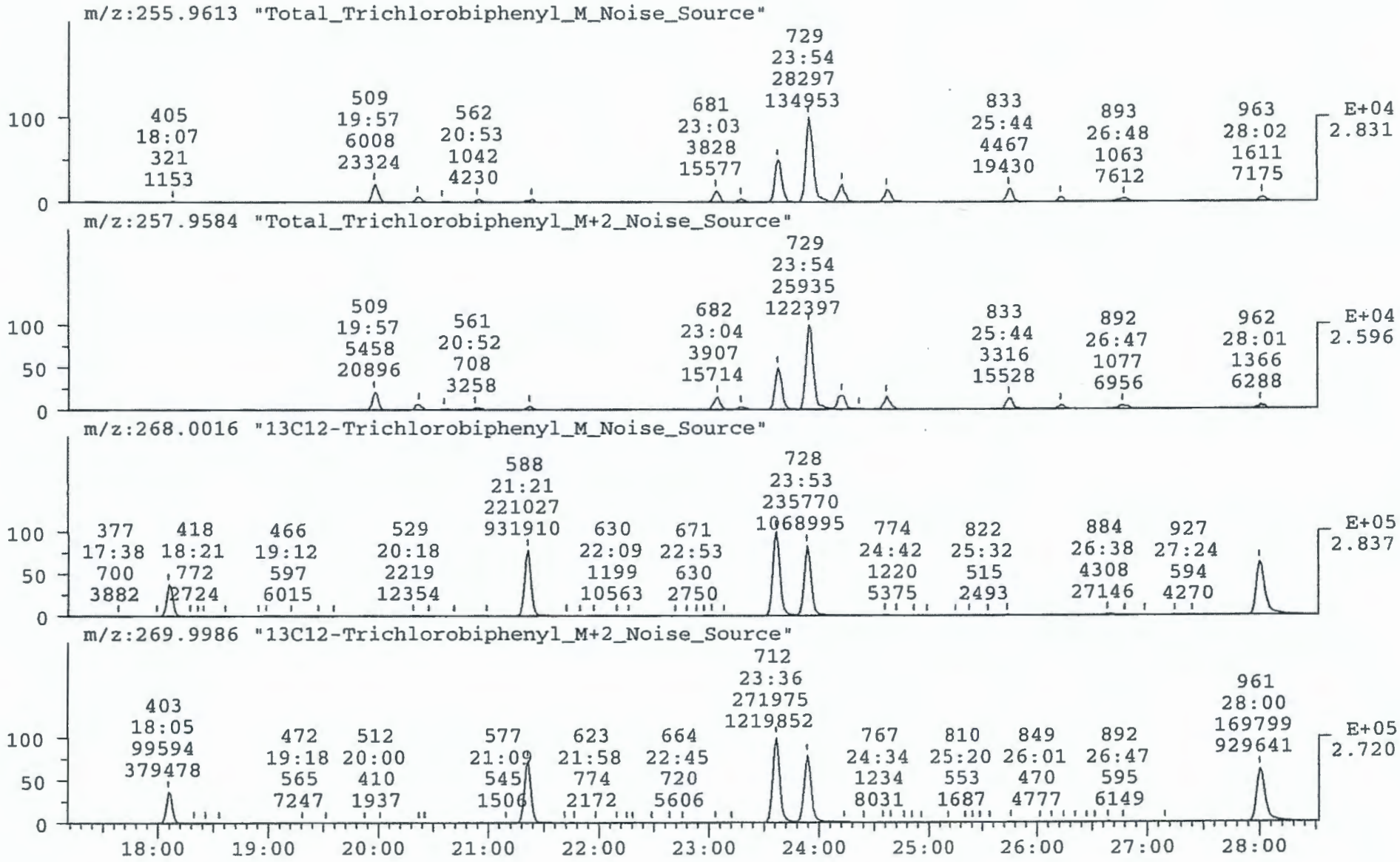
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=mld/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 319 > 400 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



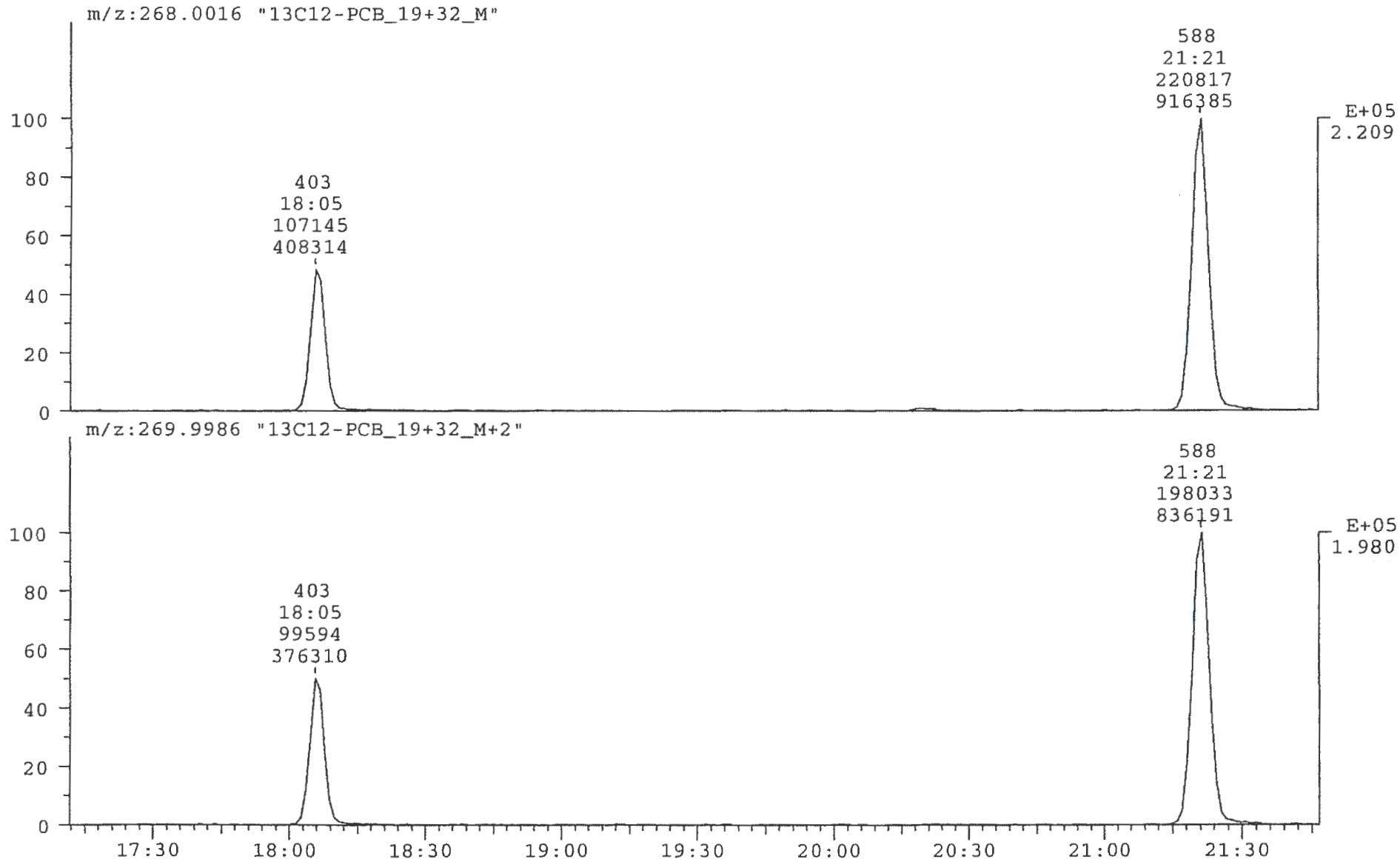
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 518 > 574 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



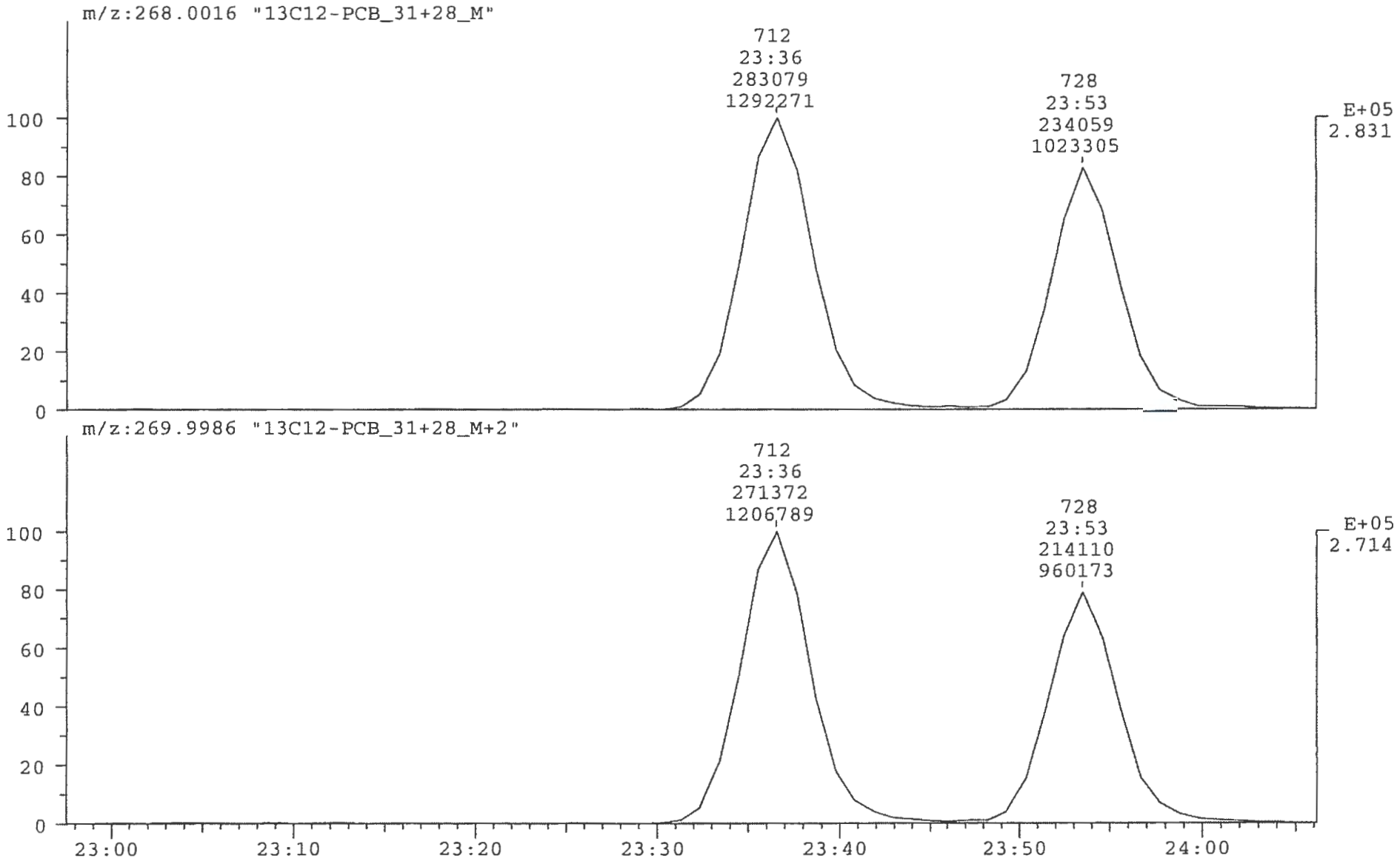
CHRO: apj7v9t 12-Oct-07 Elapse: 22:53.2 671
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 351 > 991 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



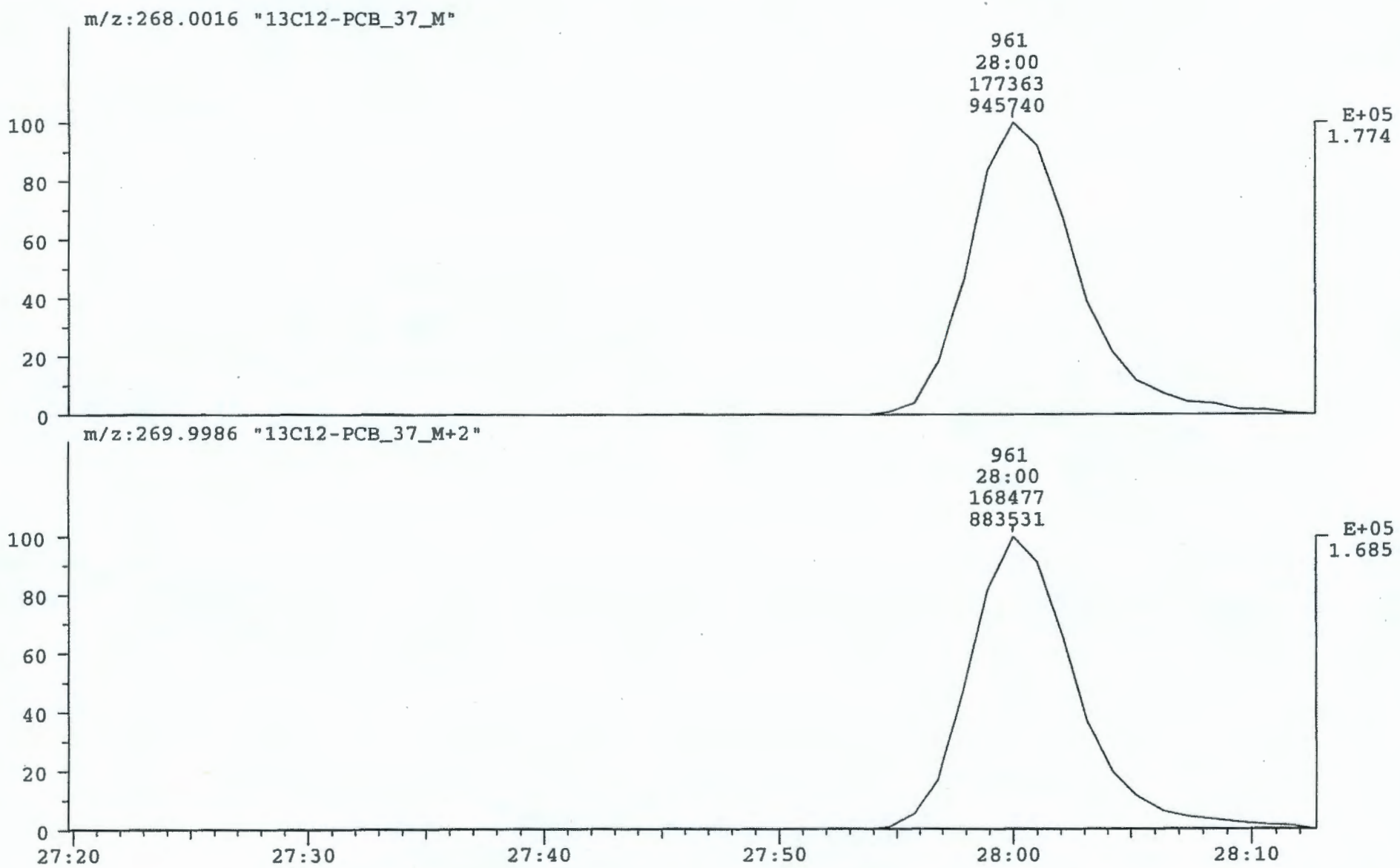
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  19:18.5      472
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
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
```



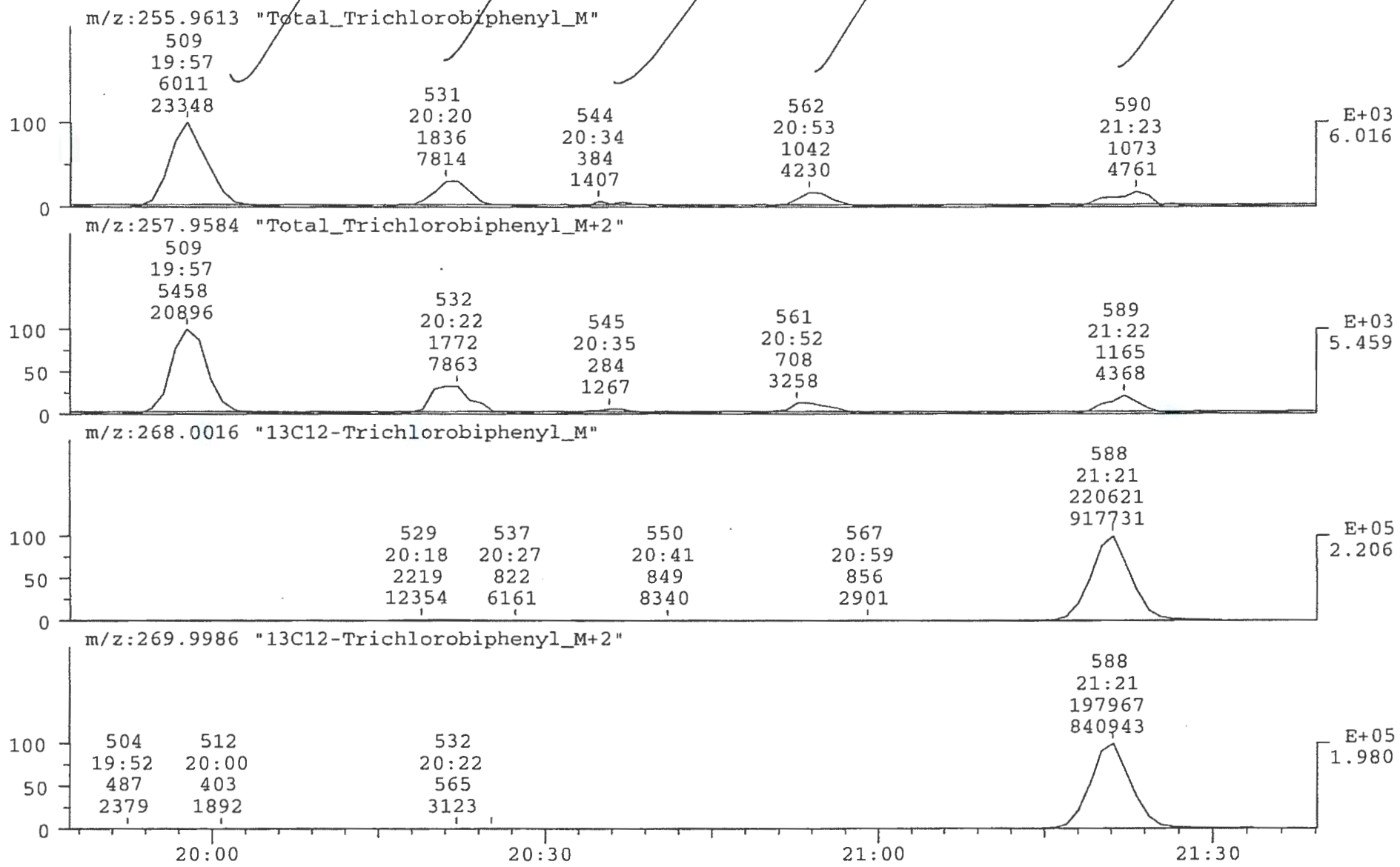
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  23:23.8      700
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
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
```



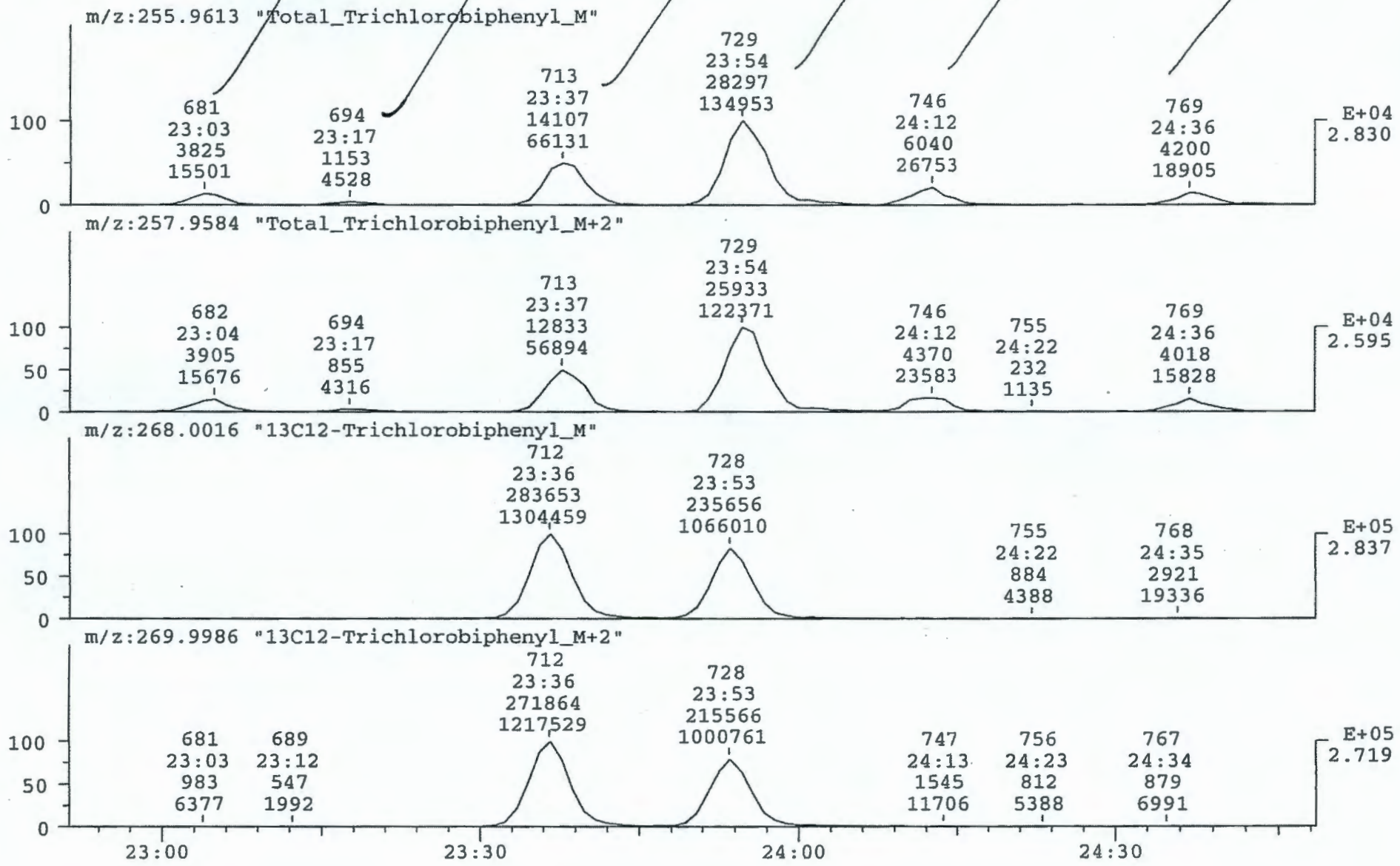
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  27:46.2      948
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC      Vial  15
Peak:  100.00  ppm      Label wndw:   923 > 973           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



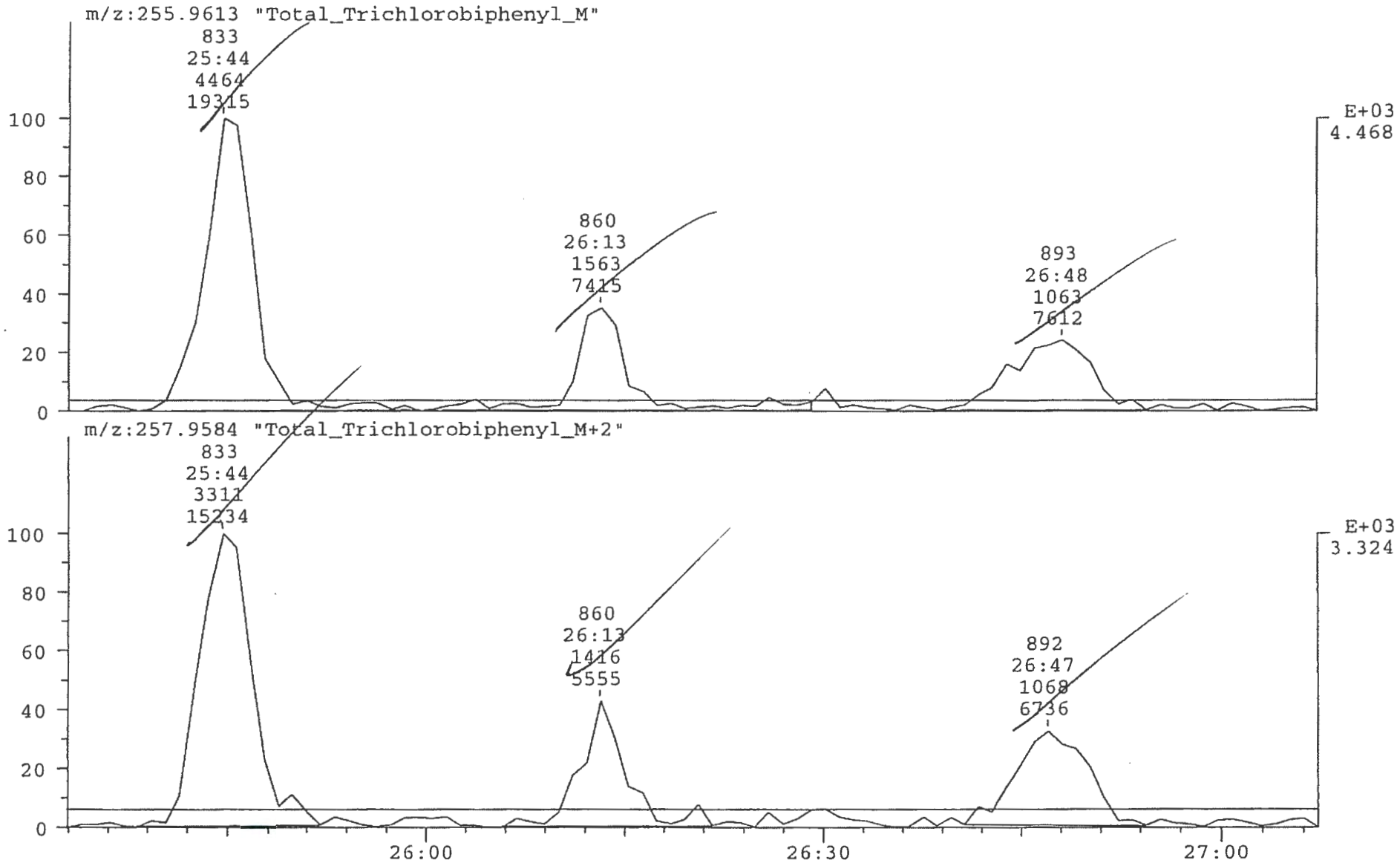
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 499 > 605 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



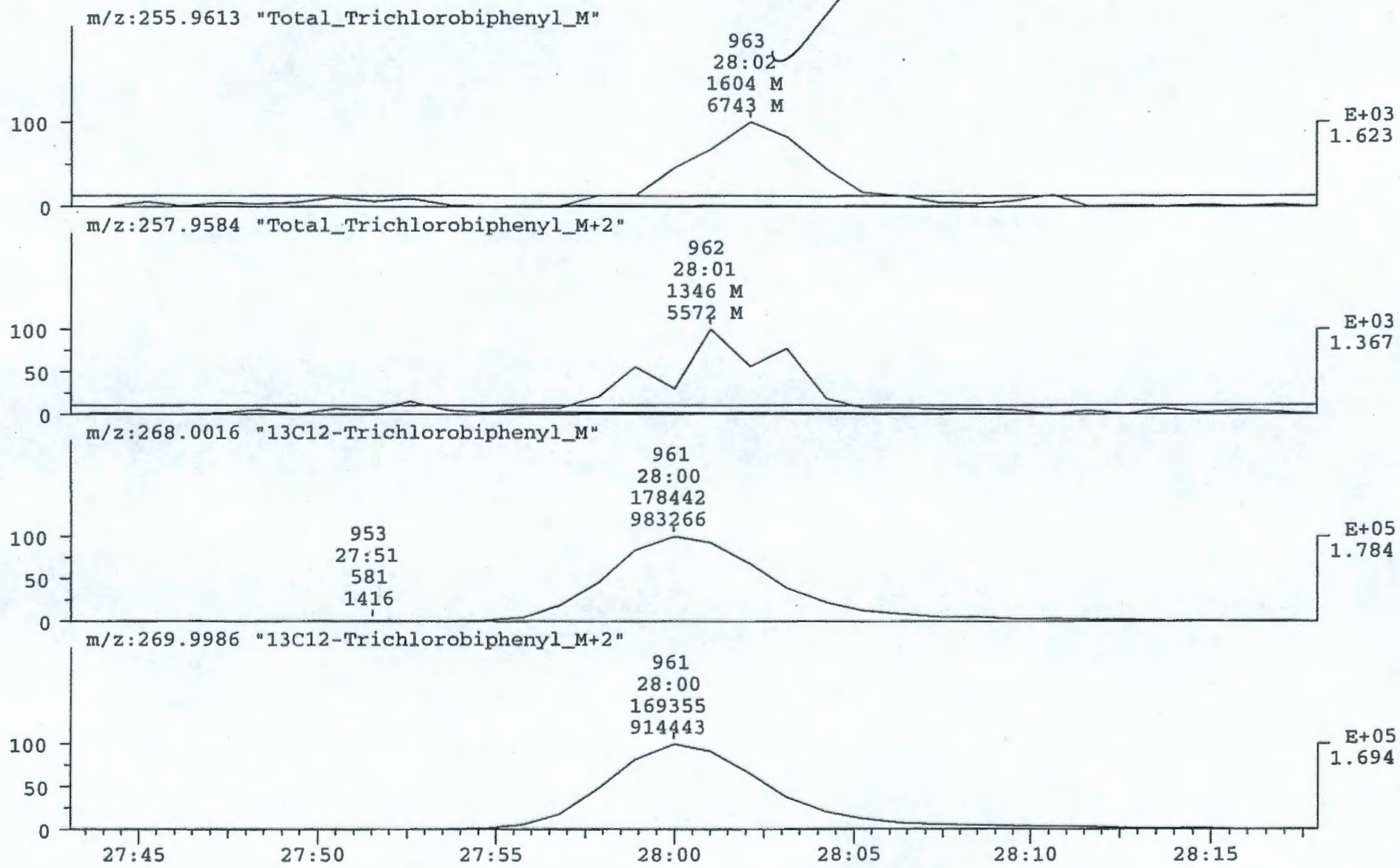
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 669 > 780 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



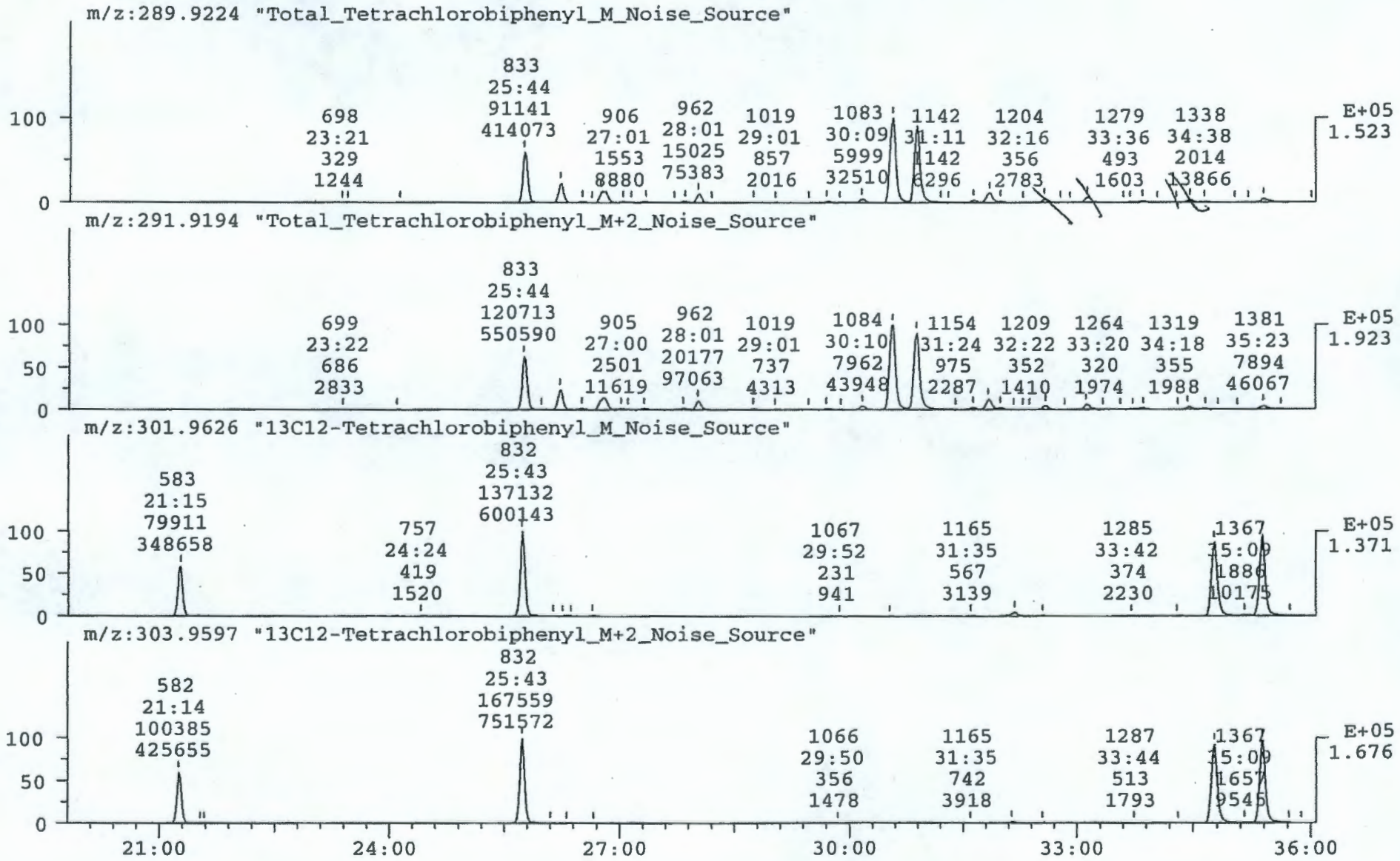
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   822 > 911           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



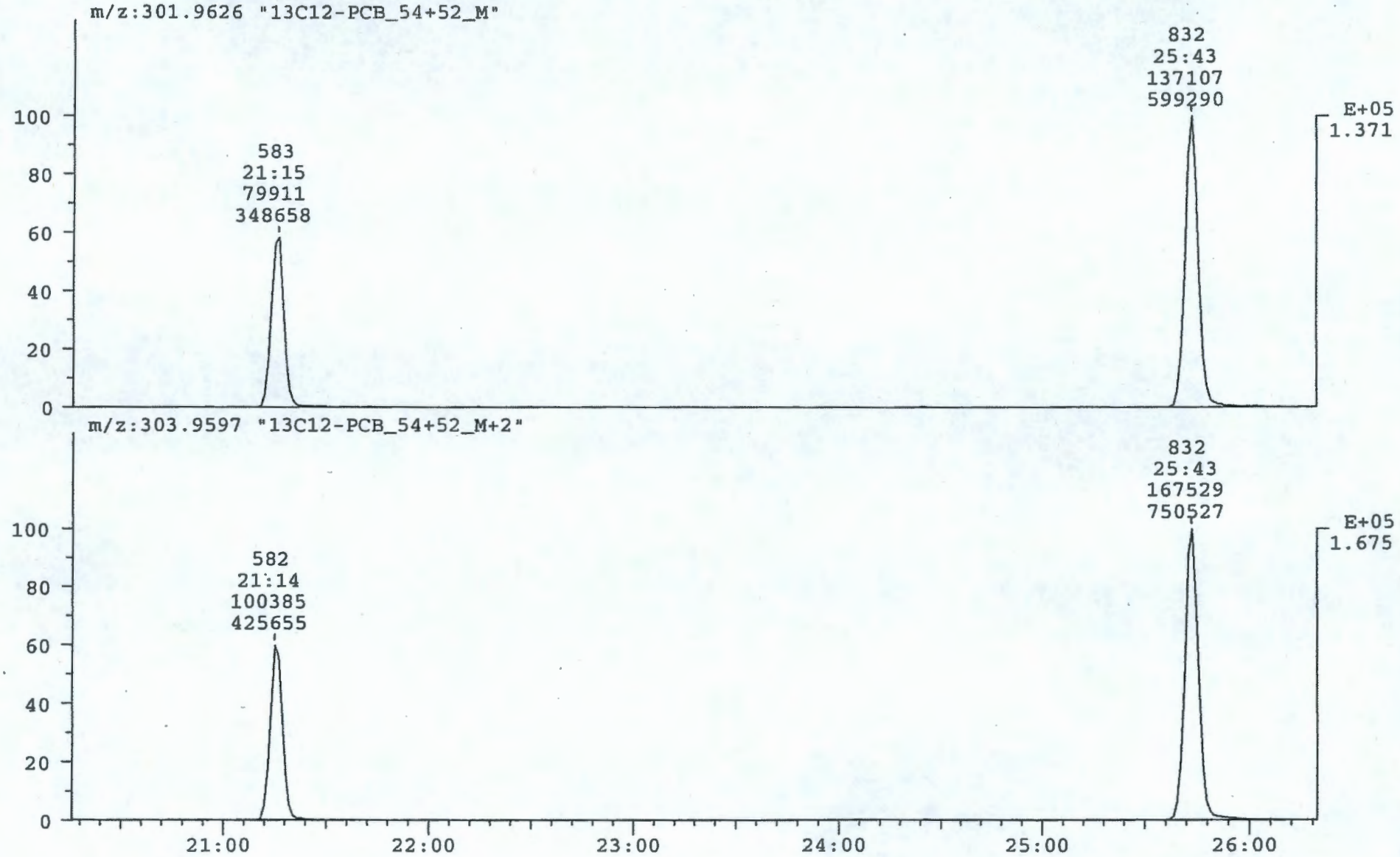
```
CHRO:  apj7v9t                                12-Oct-07  Elapse:  14:54.3      222
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003             Inlet :  GC      Vial  15
Peak:  100.00  ppm      Label wndw:   945 > 978          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3            Label :  -3, 3.0
Disp:  Height  Area
```



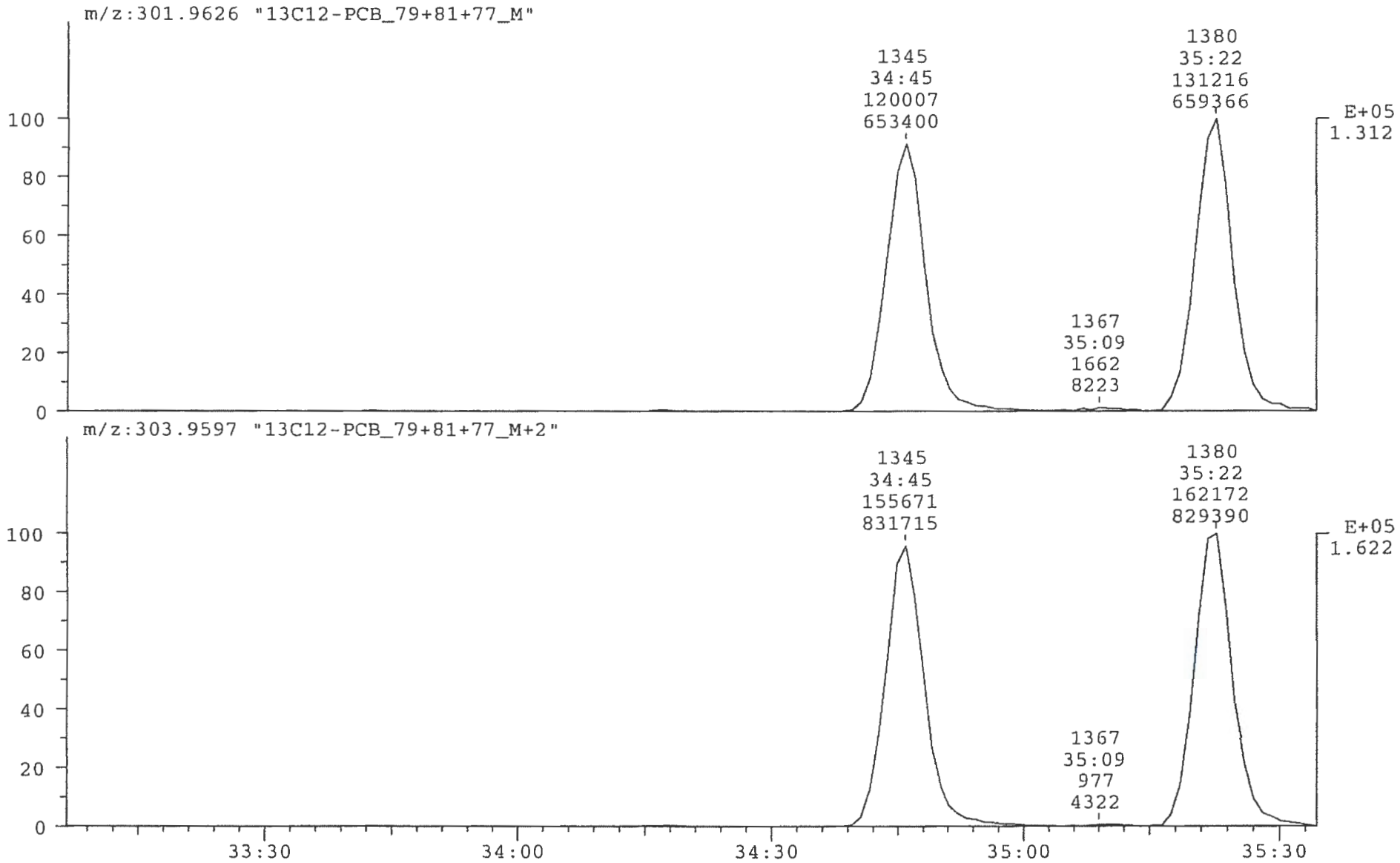
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  27:55.7      957
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC      Vial  15
Peak:  100.00  ppm      Label wndw:   500 > 1419          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



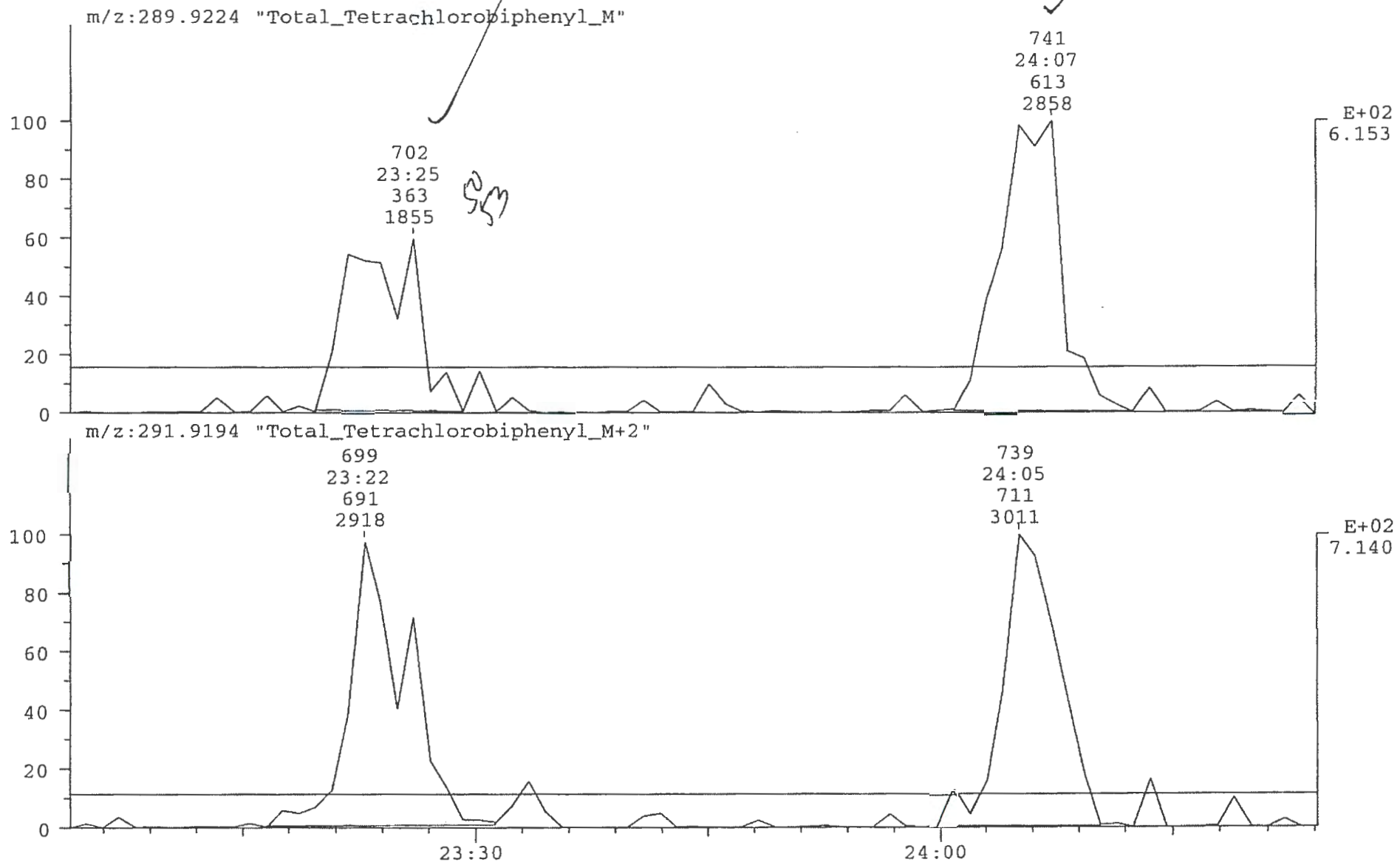
```
CHRO:  apj7v9t                                12-Oct-07  Elapse:  23:19.6      696
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003             Inlet :  GC     Vial  15
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
```



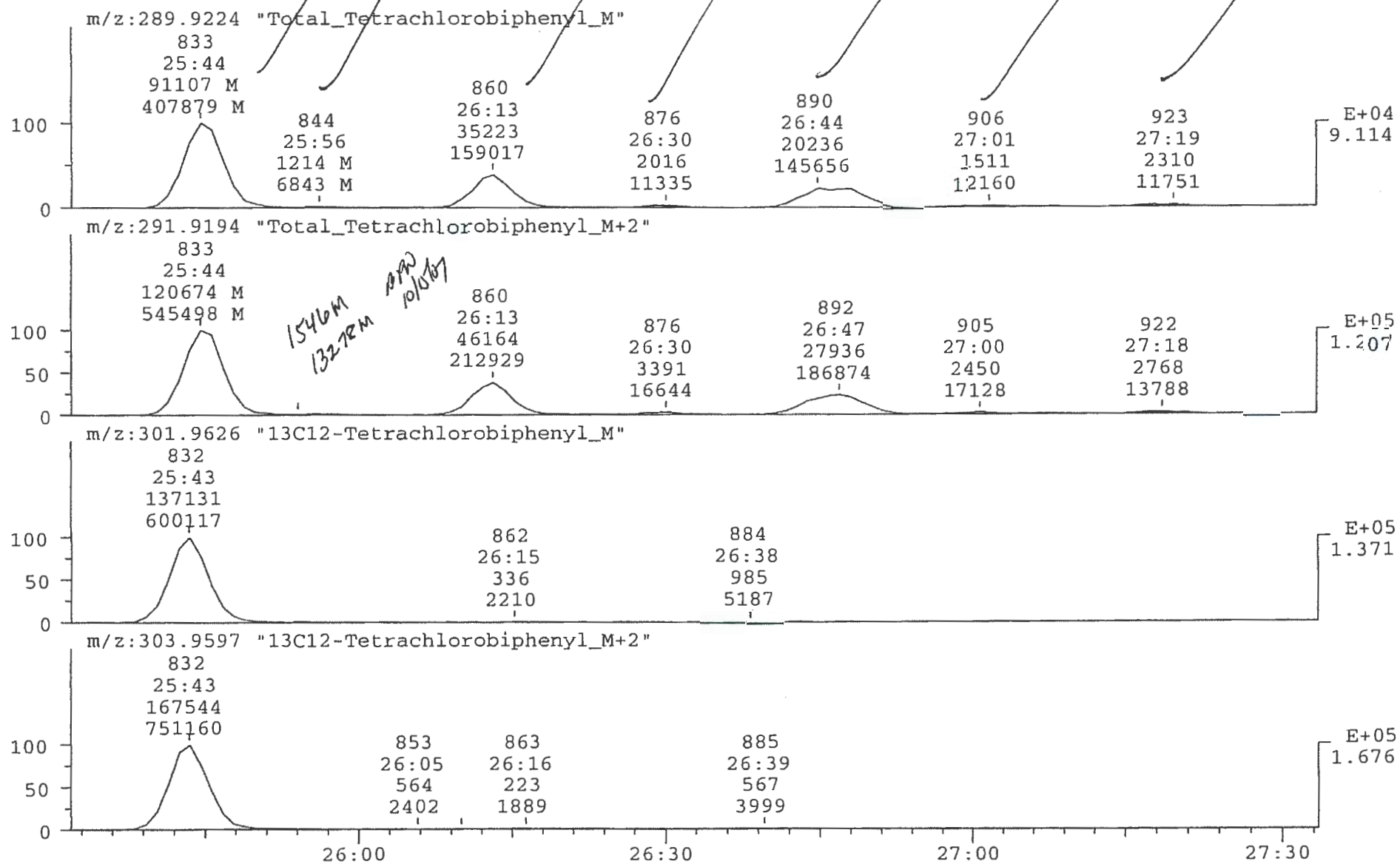
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  34:15      1316
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   1251 > 1391         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



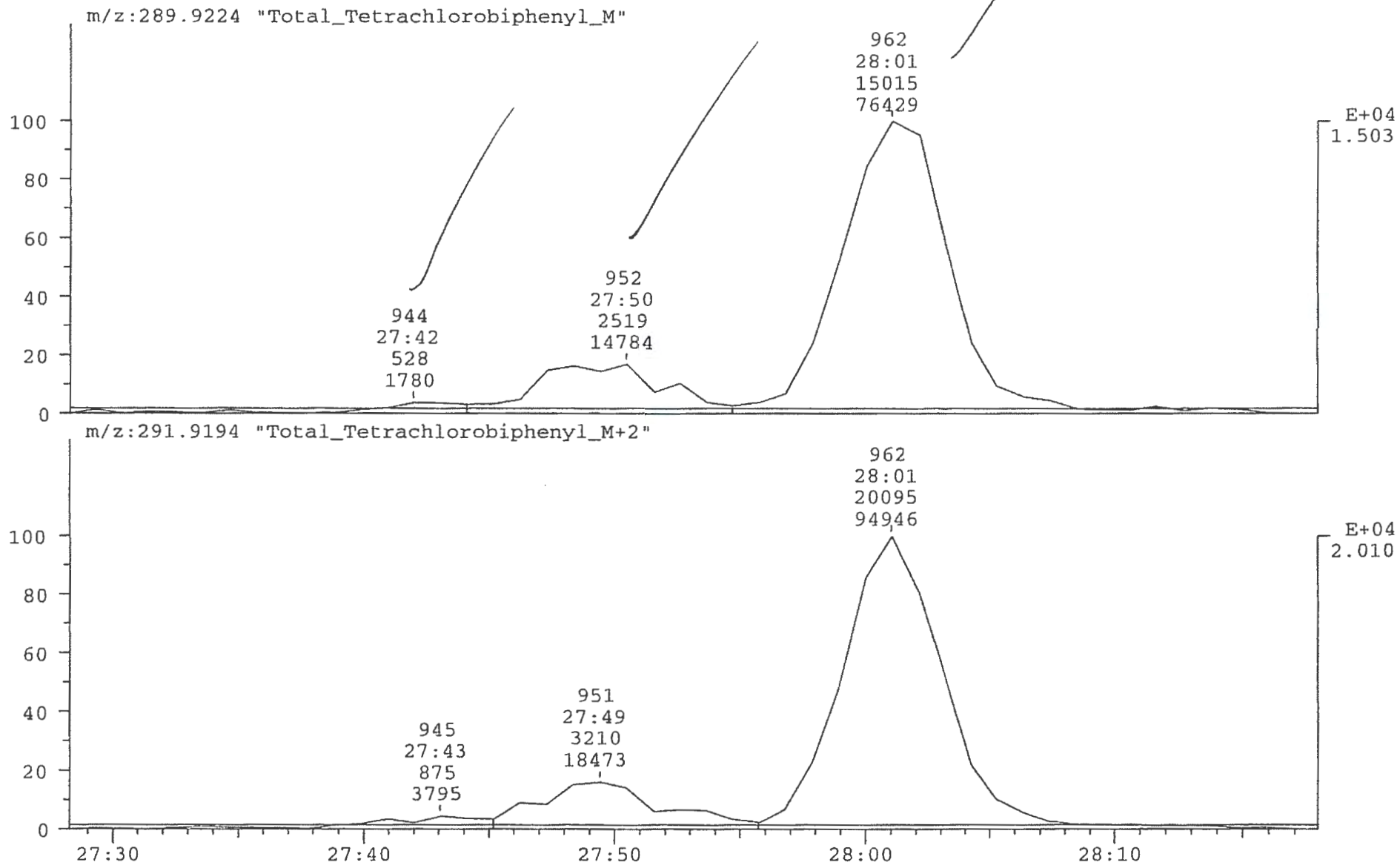
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   681 > 757           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 4              Label :  -3, 3.0
Disp:  Height  Area
```



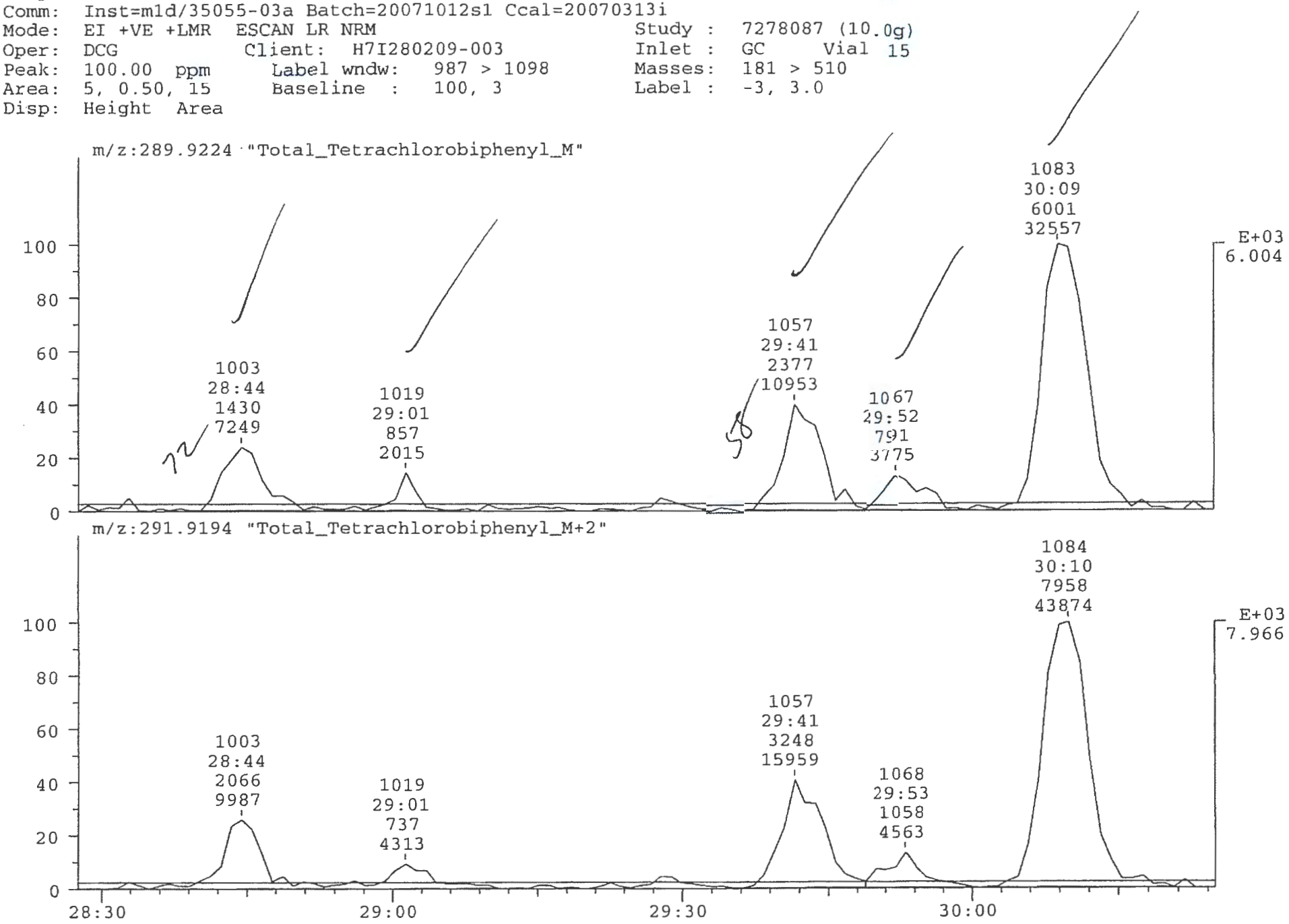
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 821 > 936 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 6 Label : -3, 3.0
Disp: Height Area



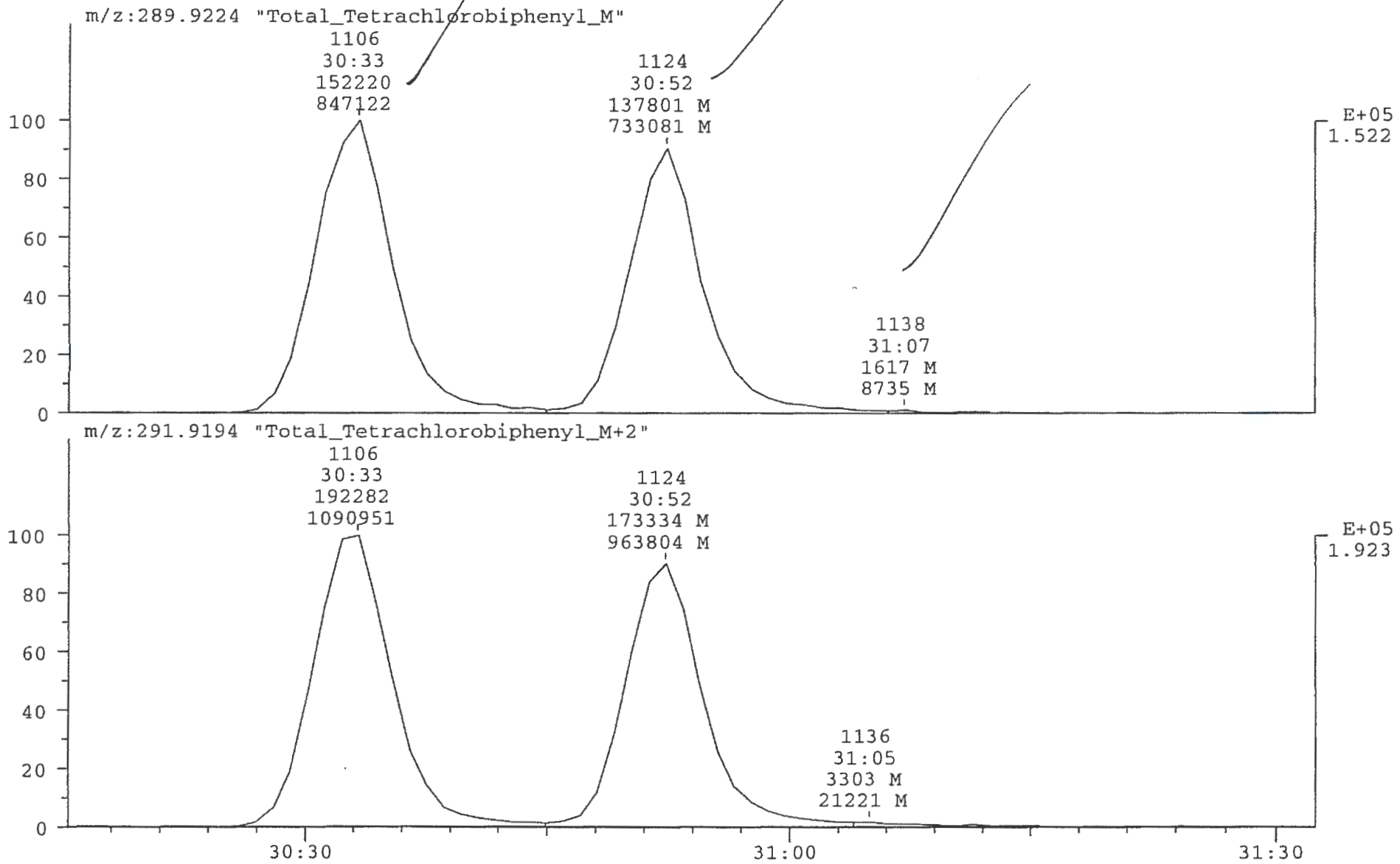
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   931 > 978           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 2              Label :  -3, 3.0
Disp:  Height  Area
```



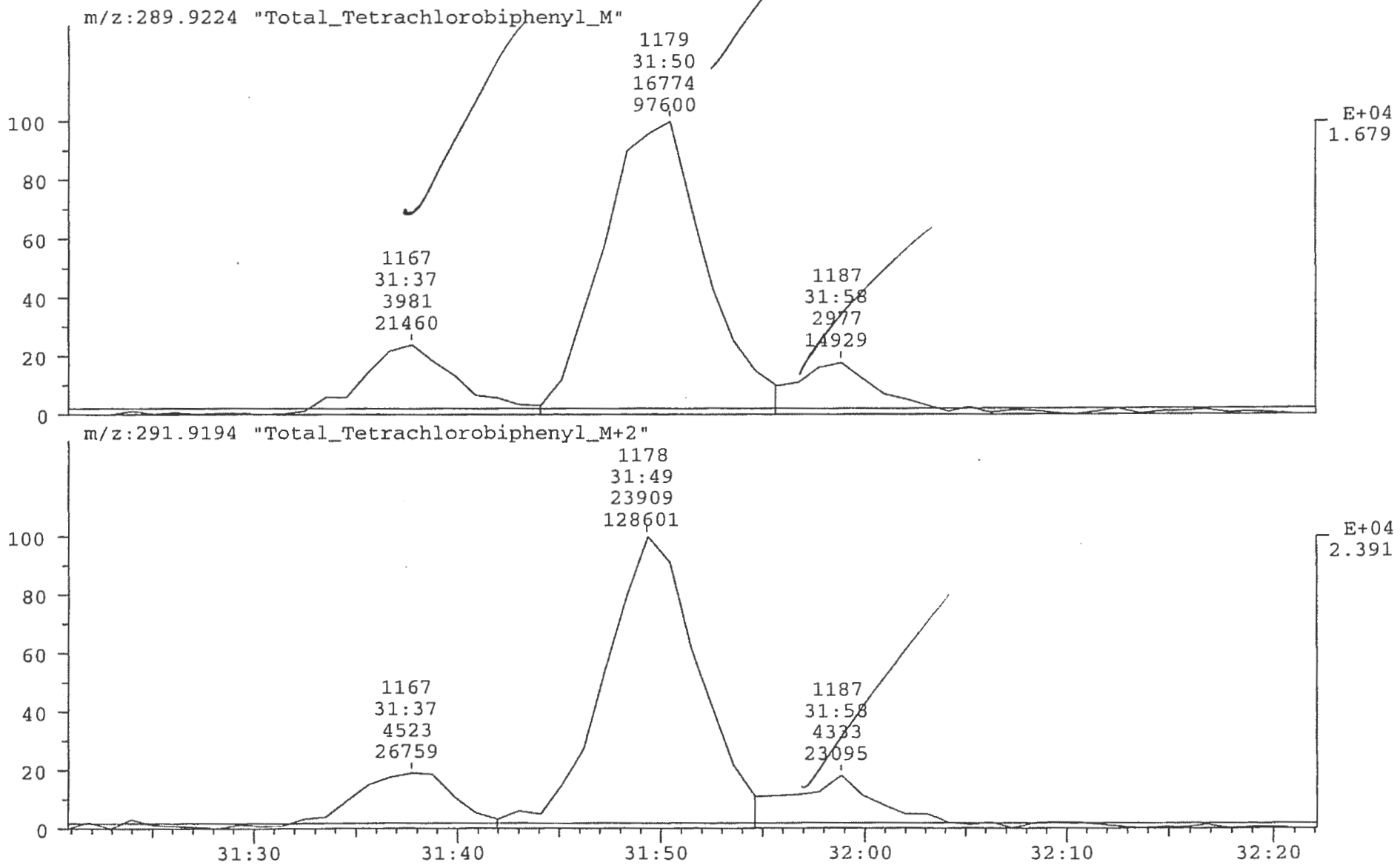
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 987 > 1098 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



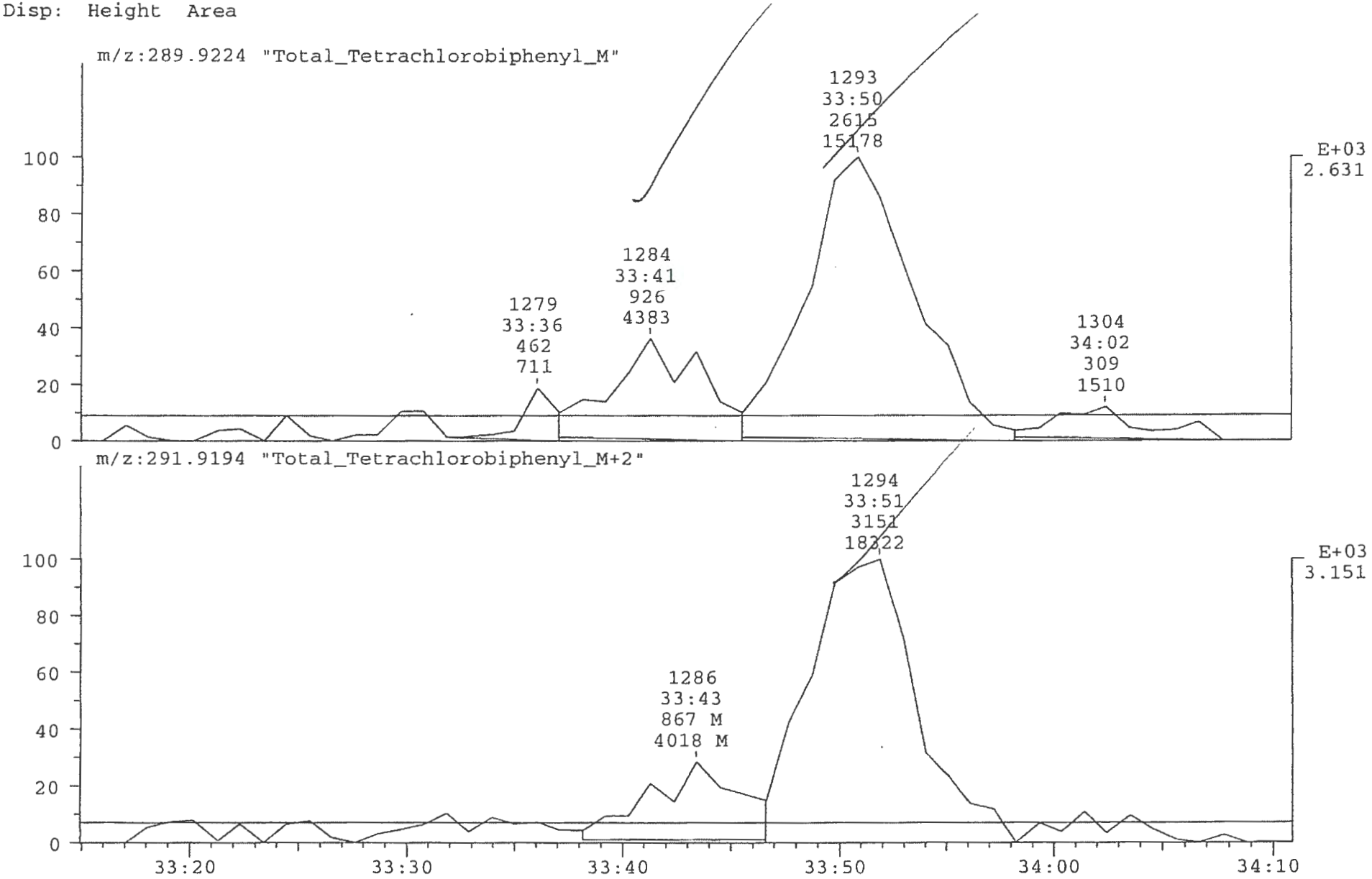
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   1089 > 1162         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 6              Label :  -4, 4.0
Disp:  Height  Area
```



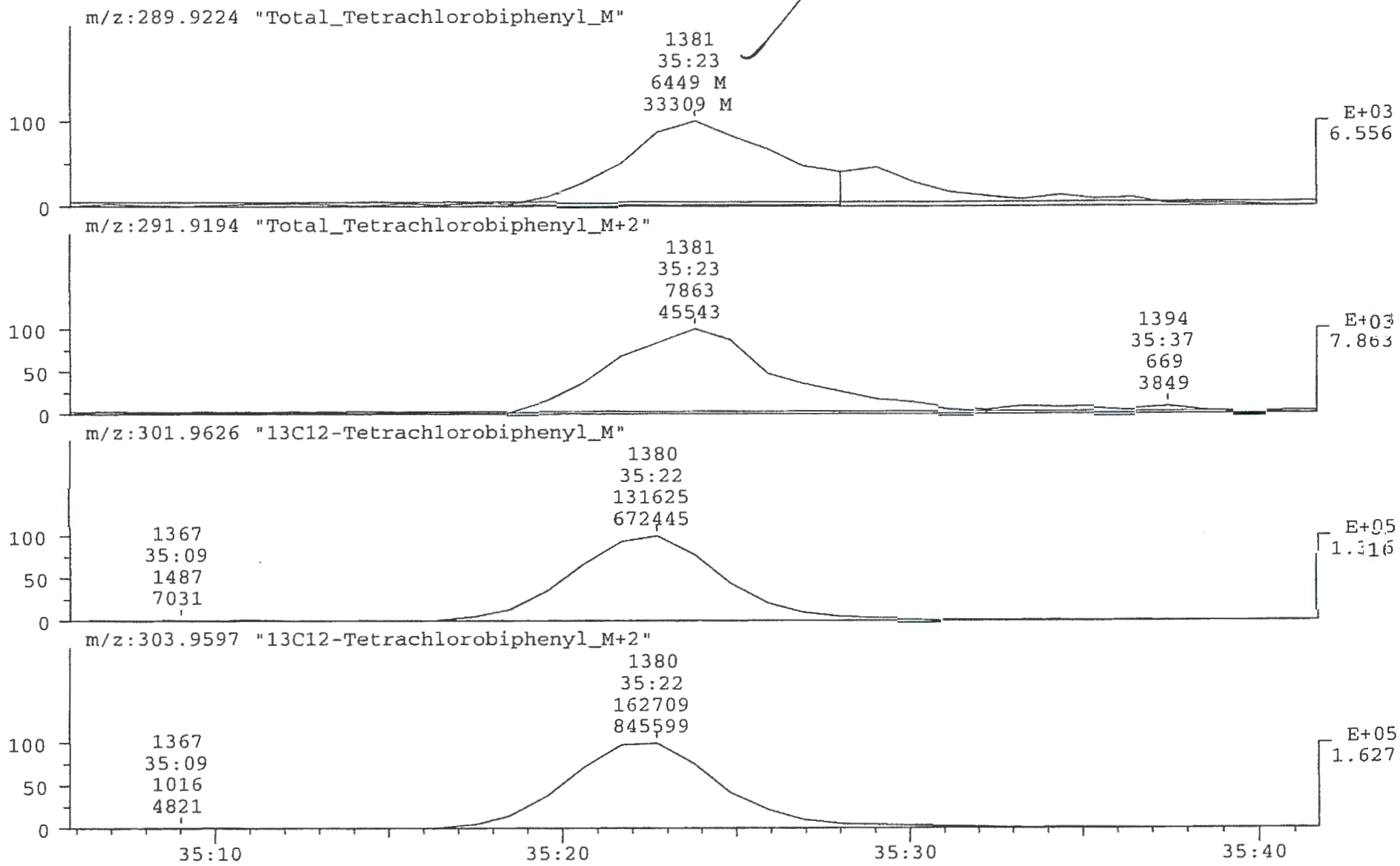
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1151 > 1209 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



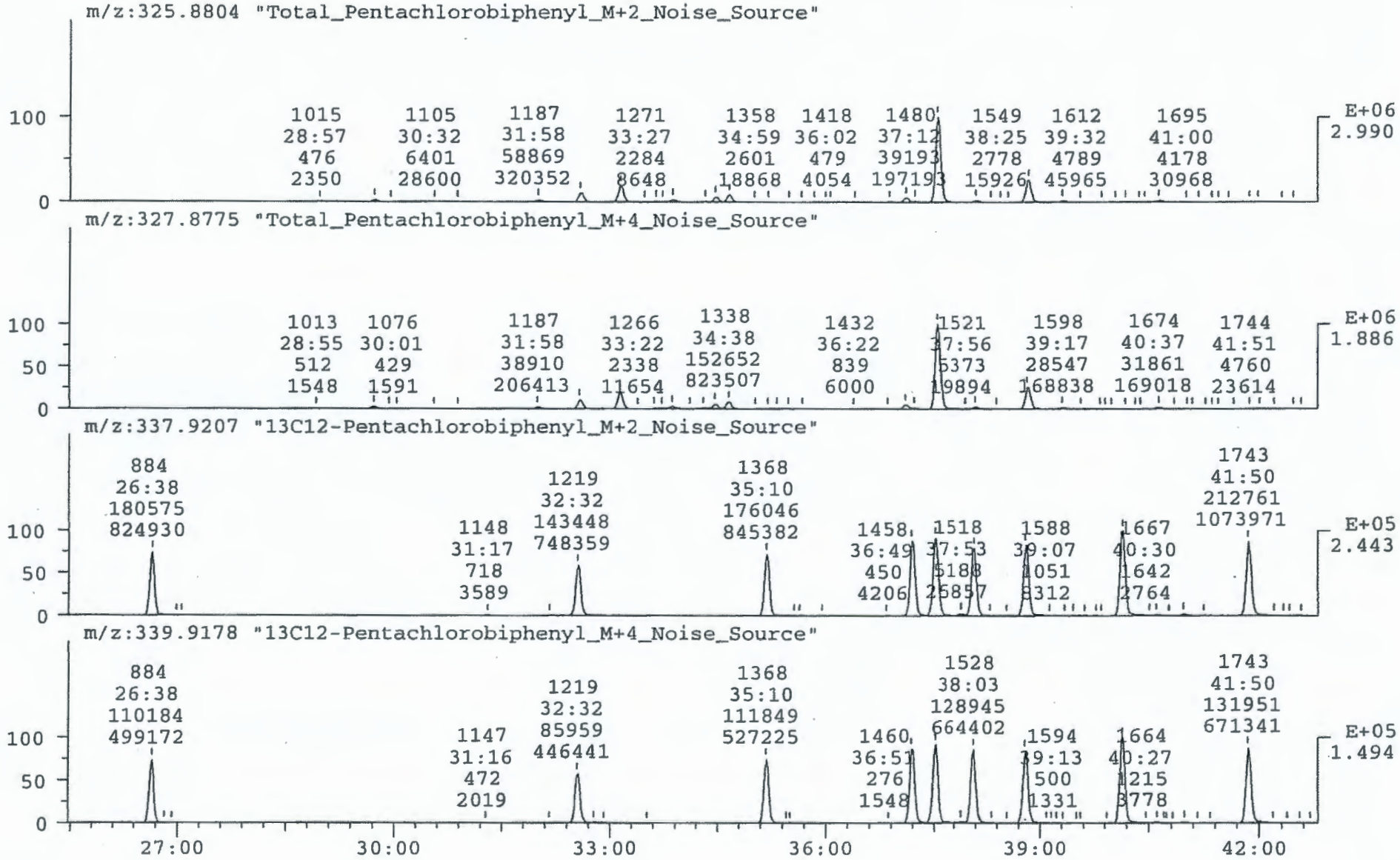
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   1259 > 1312         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



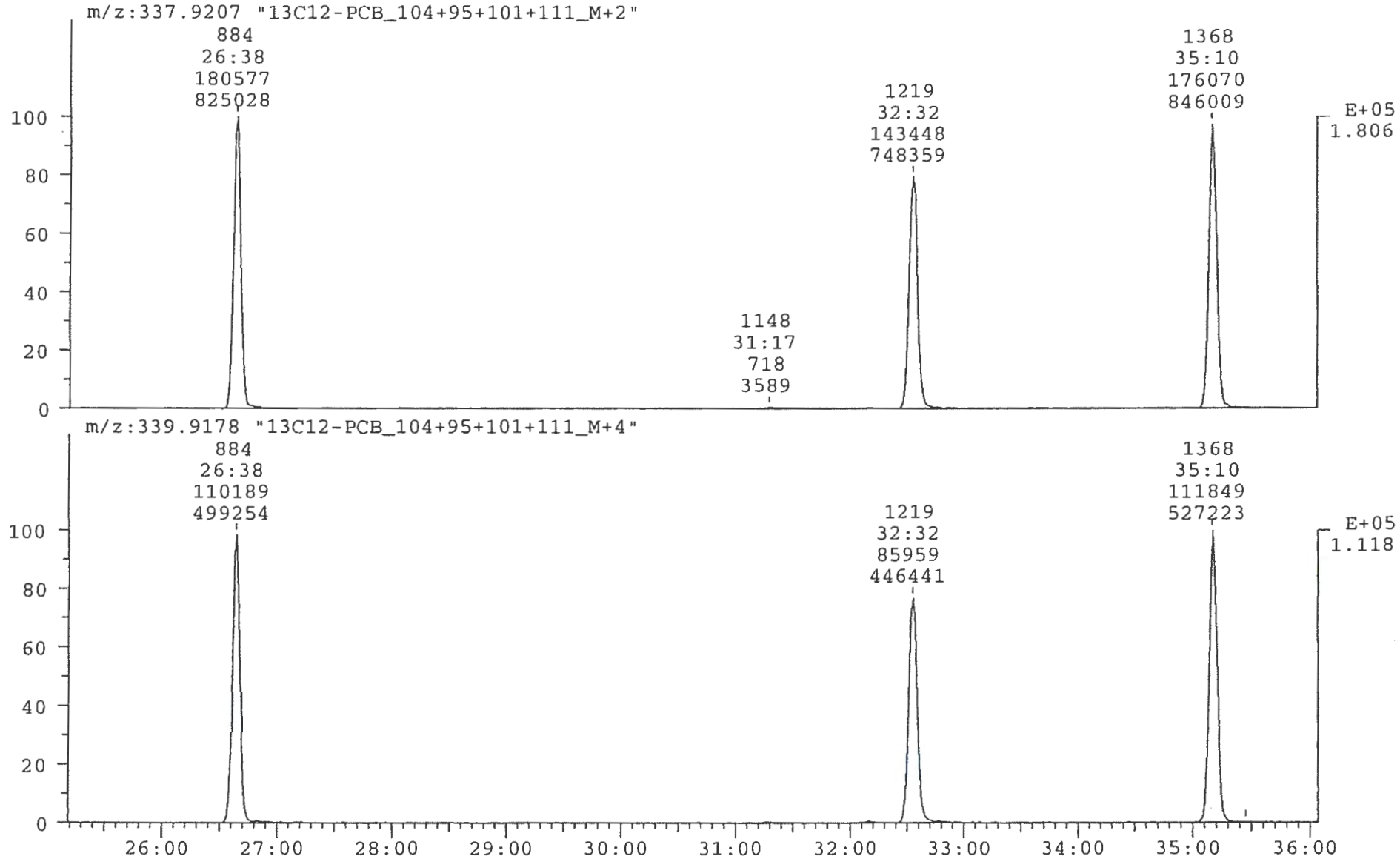
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  14:54.3      222
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC      Vial  15
Peak:  100.00  ppm      Label wndw:   1364 > 1398         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



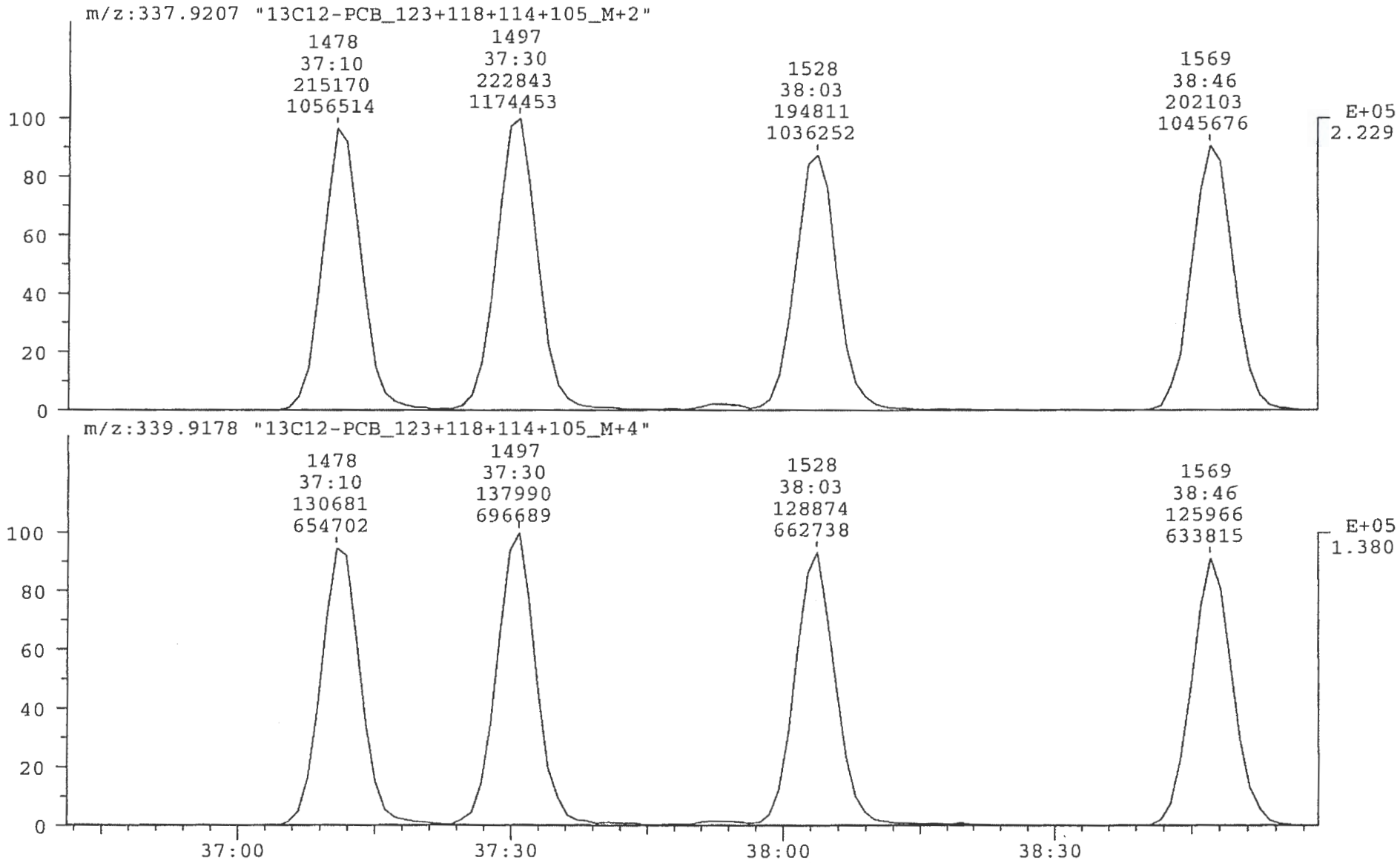
CHRO: apj7v9t 12-Oct-07 Elapse: 34:07 1309
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 817 > 1797 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



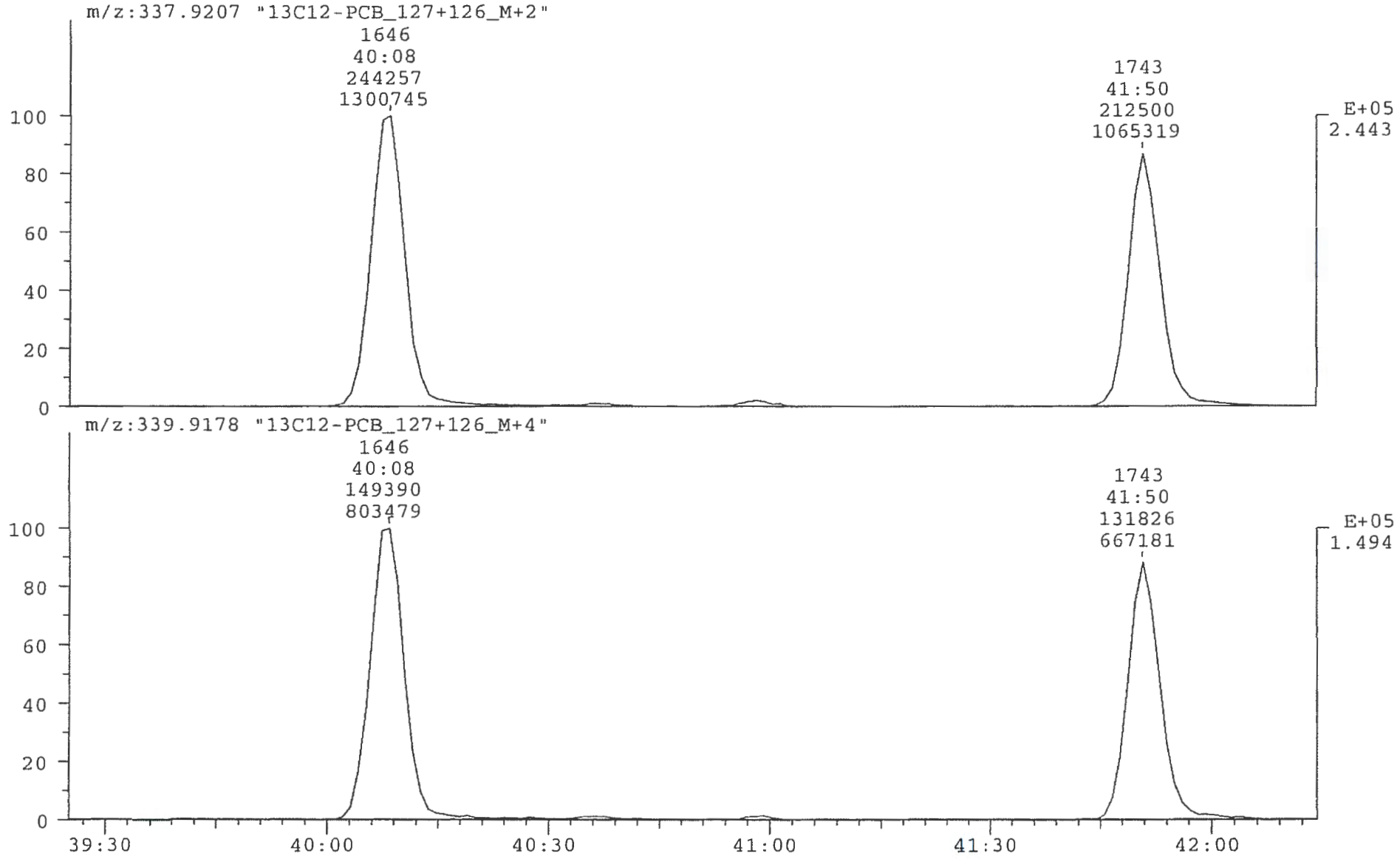
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  30:37      1110
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   801 > 1419          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



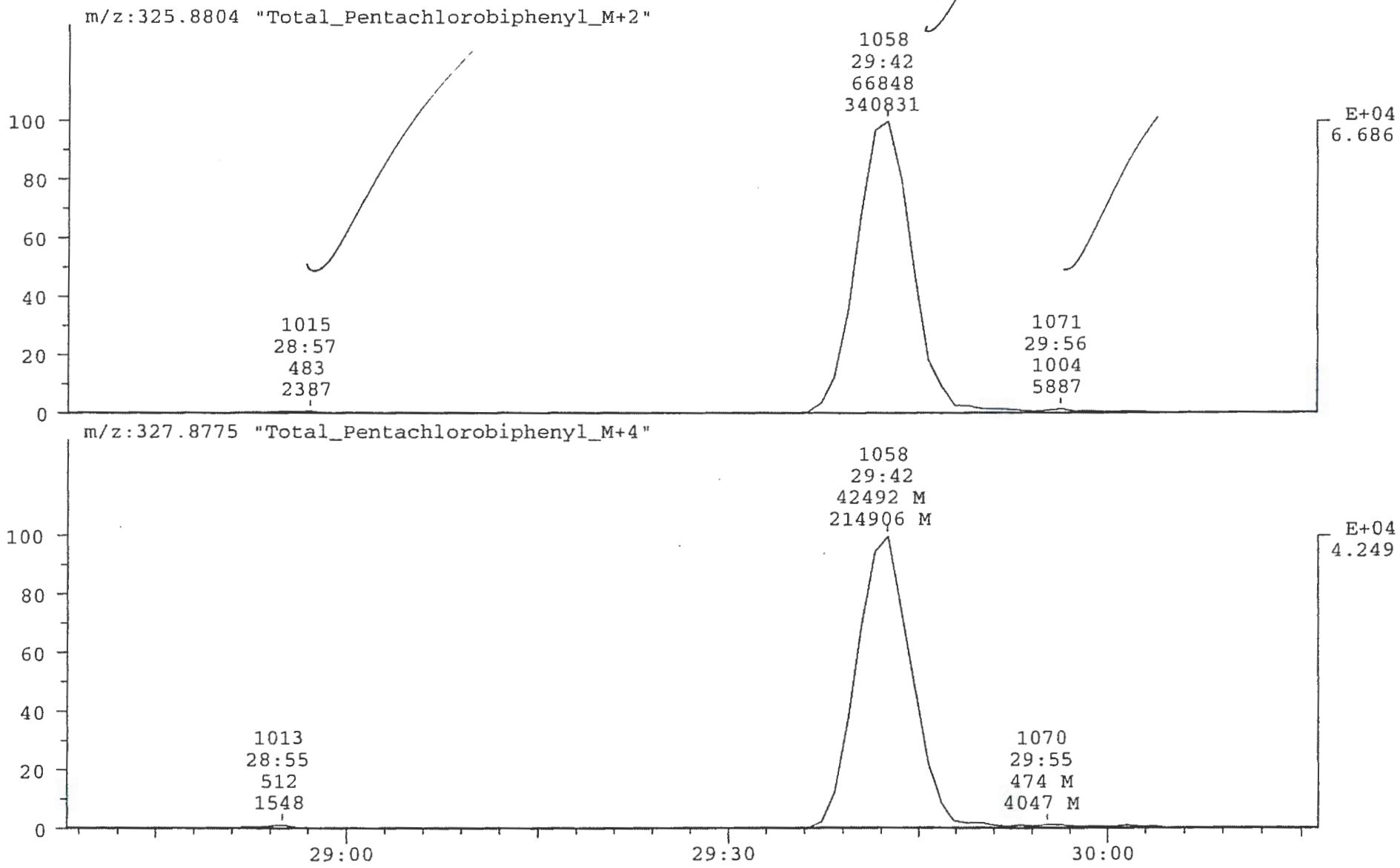
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  37:49      1515
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial 15
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
```



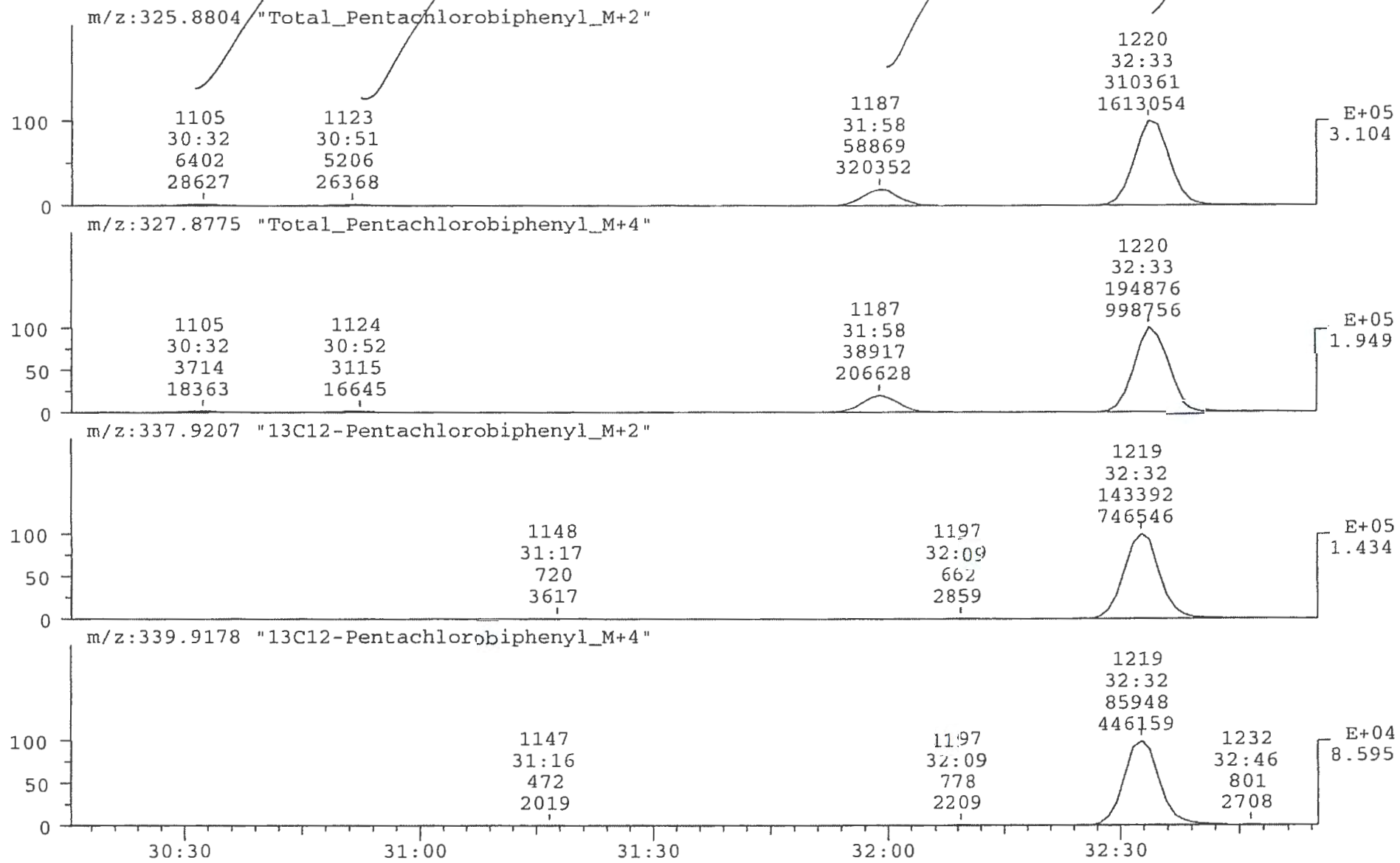
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  40:49      1685
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial 15
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
```



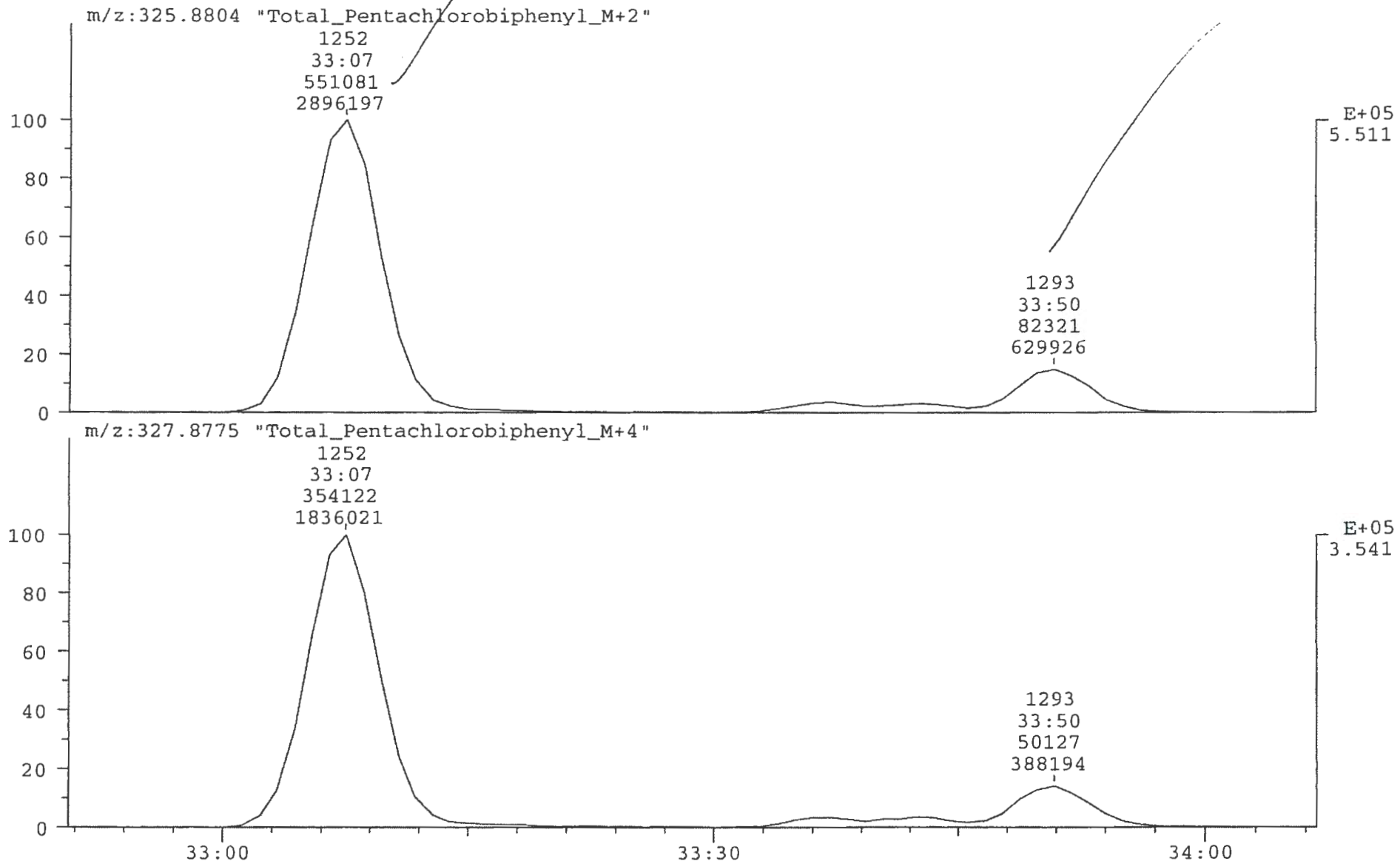
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 997 > 1090 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 5 Label : -3, 3.0
Disp: Height Area



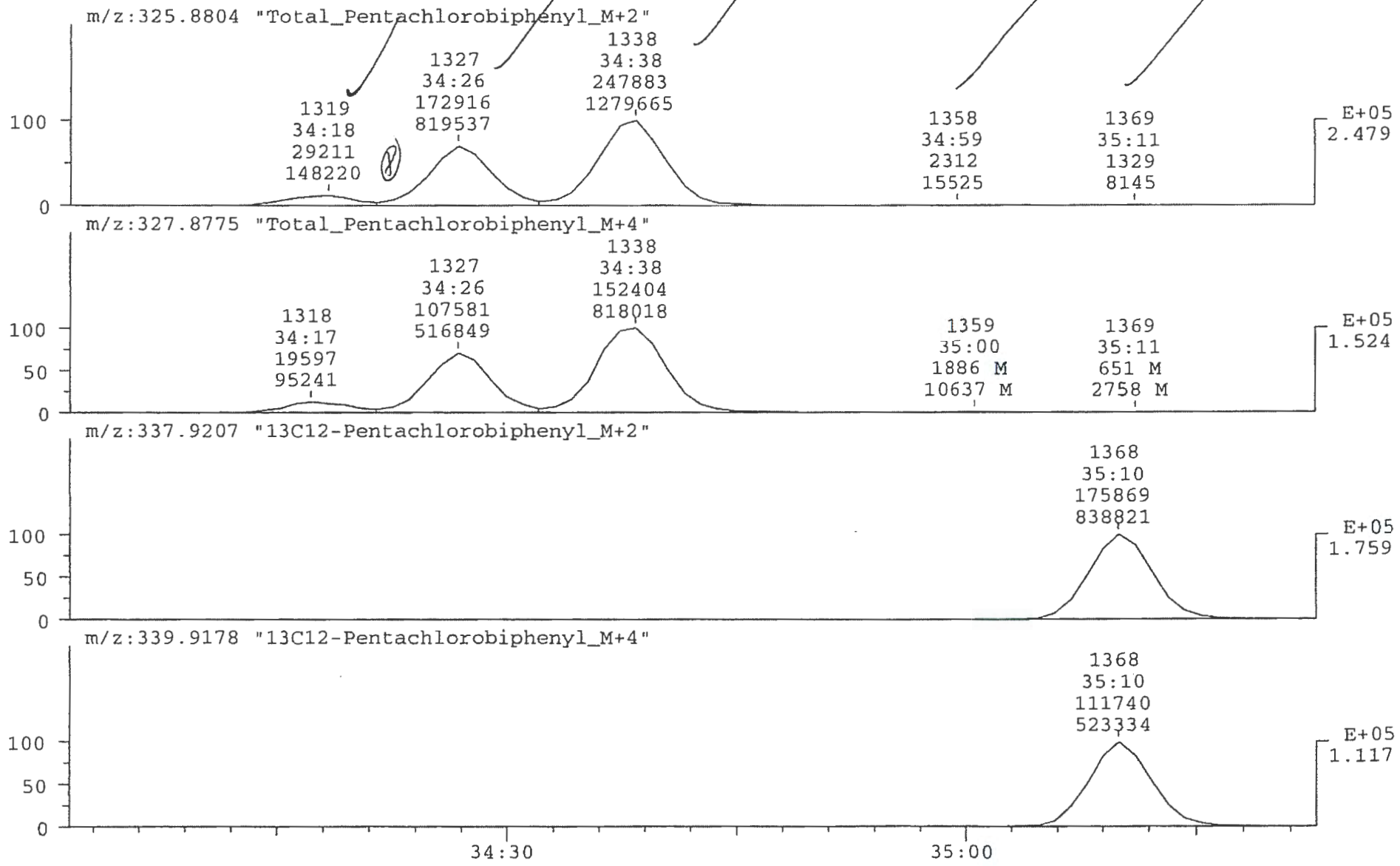
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1089 > 1240 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



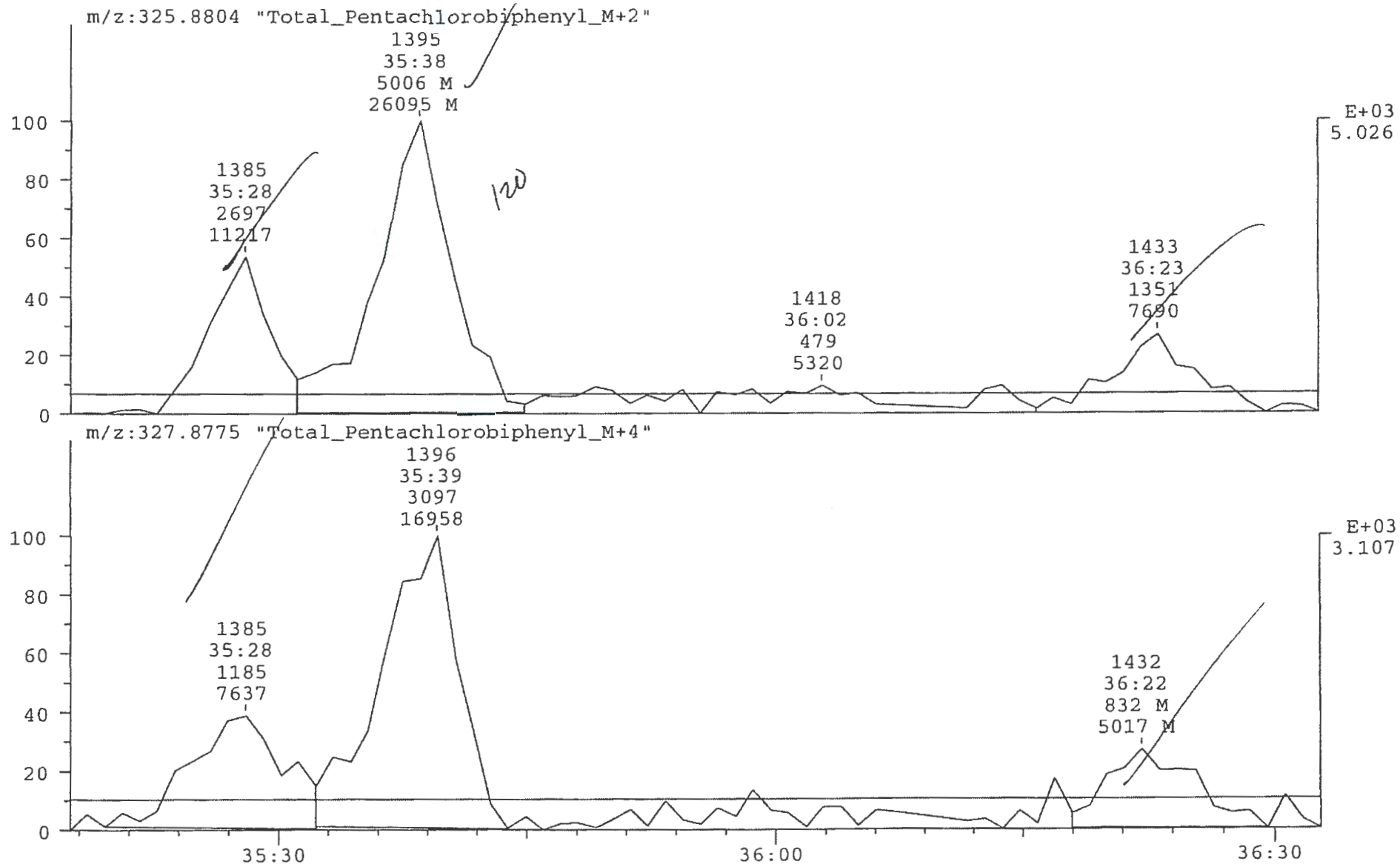
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1236 > 1308 Masses: 181 > 510
Area: 5, 0.00, 0 Baseline : 100, 10 Label : -3, 3.0
Disp: Height Area



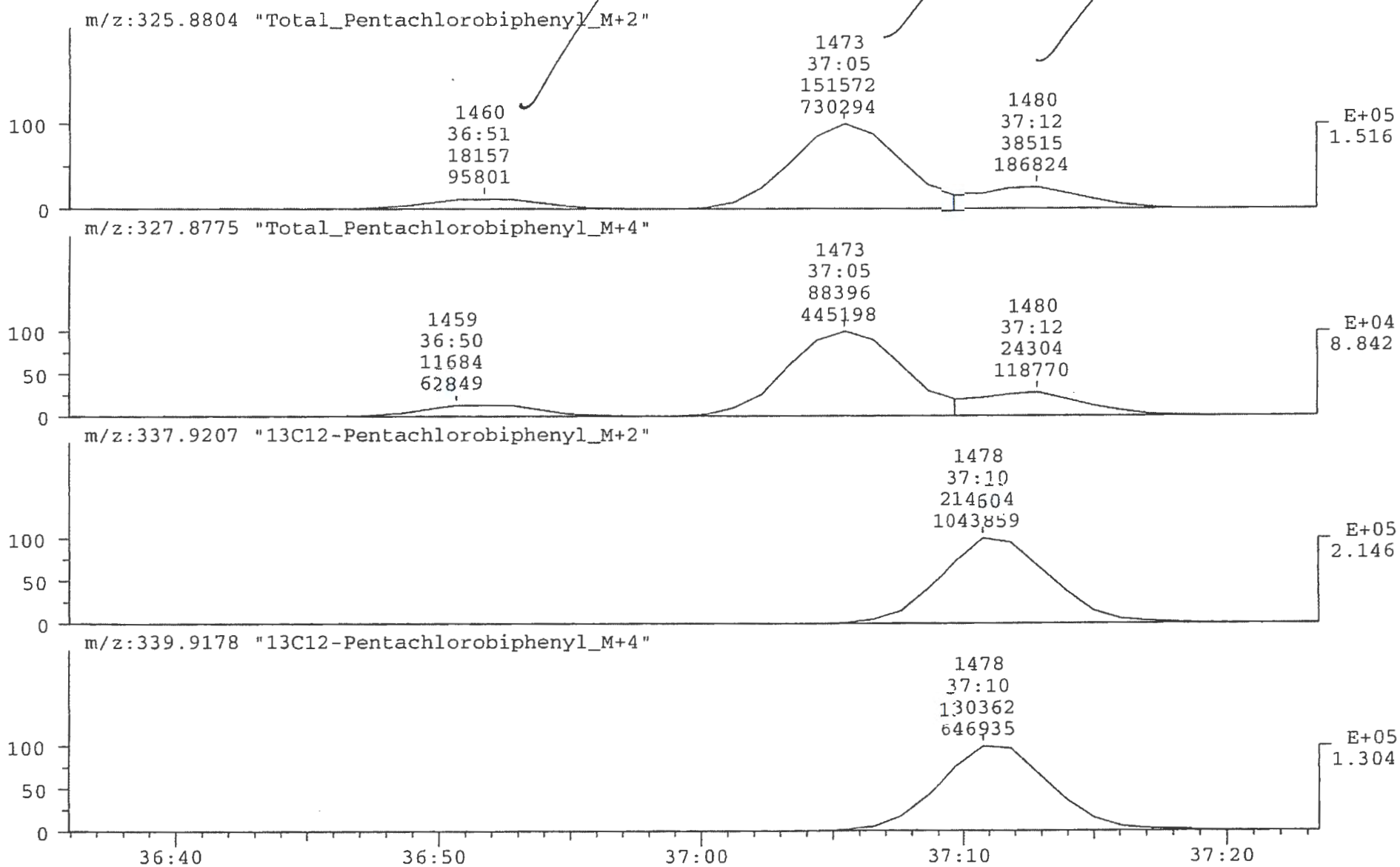
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1303 > 1380 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



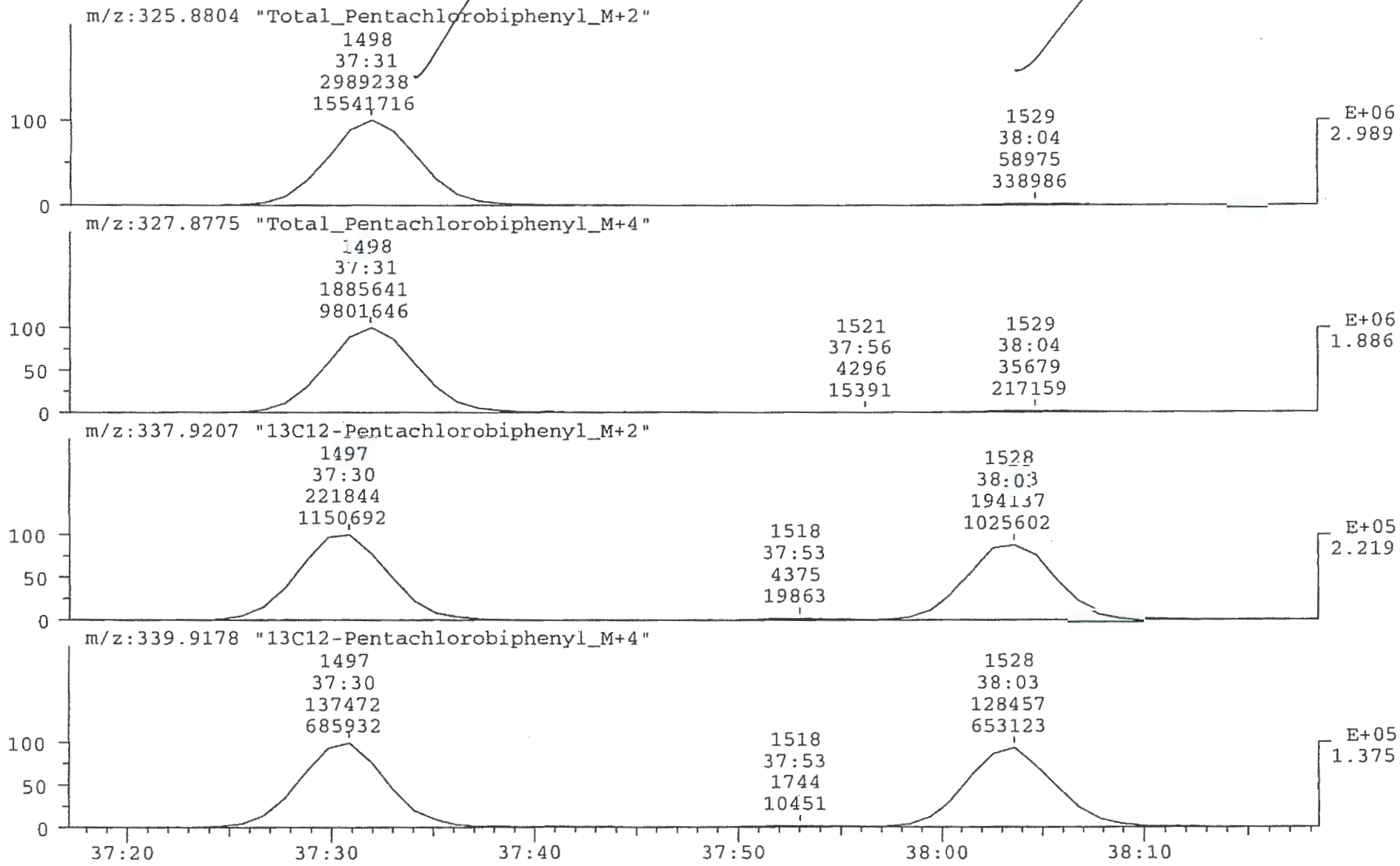
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1375 > 1442 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



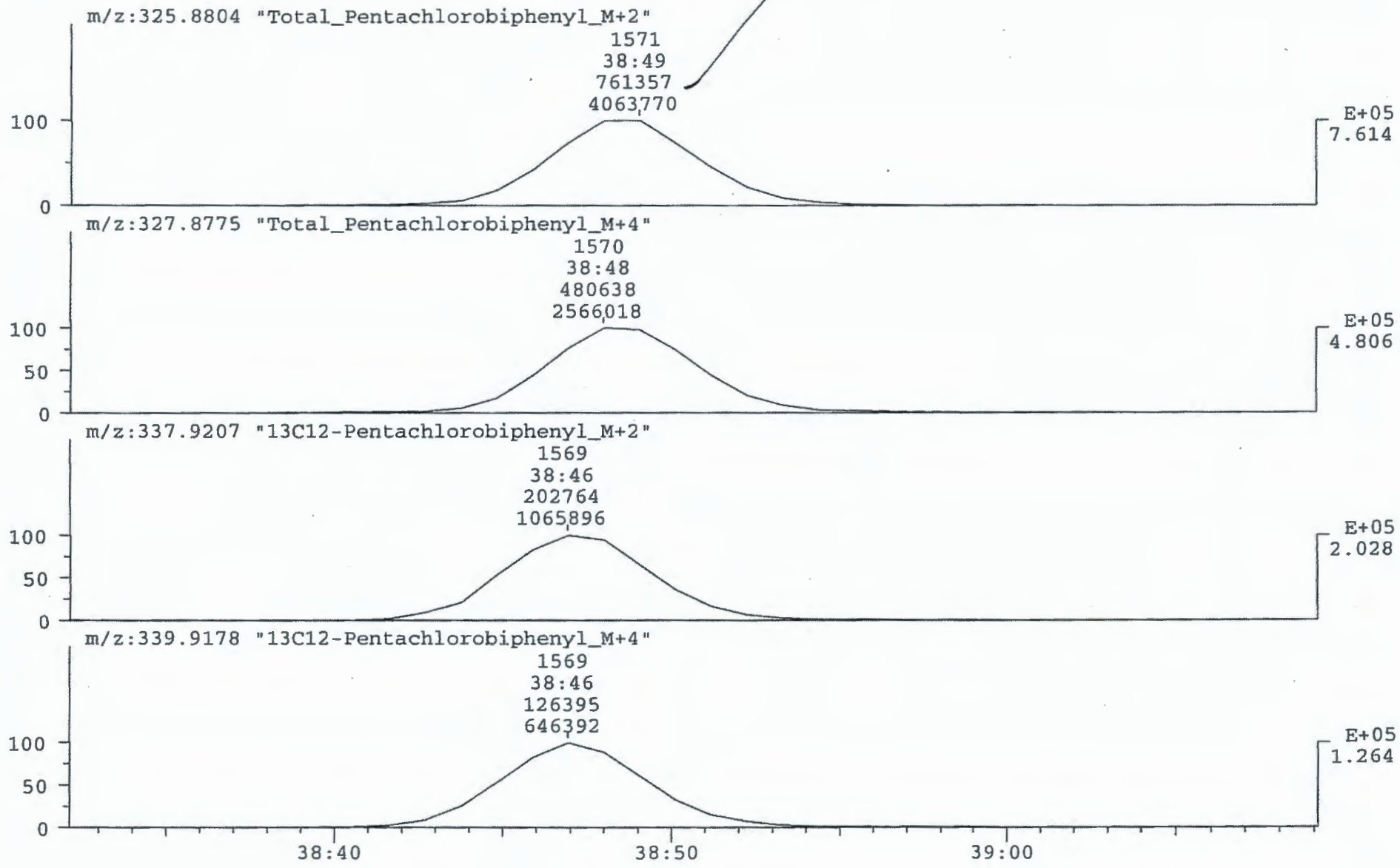
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1445 > 1490 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



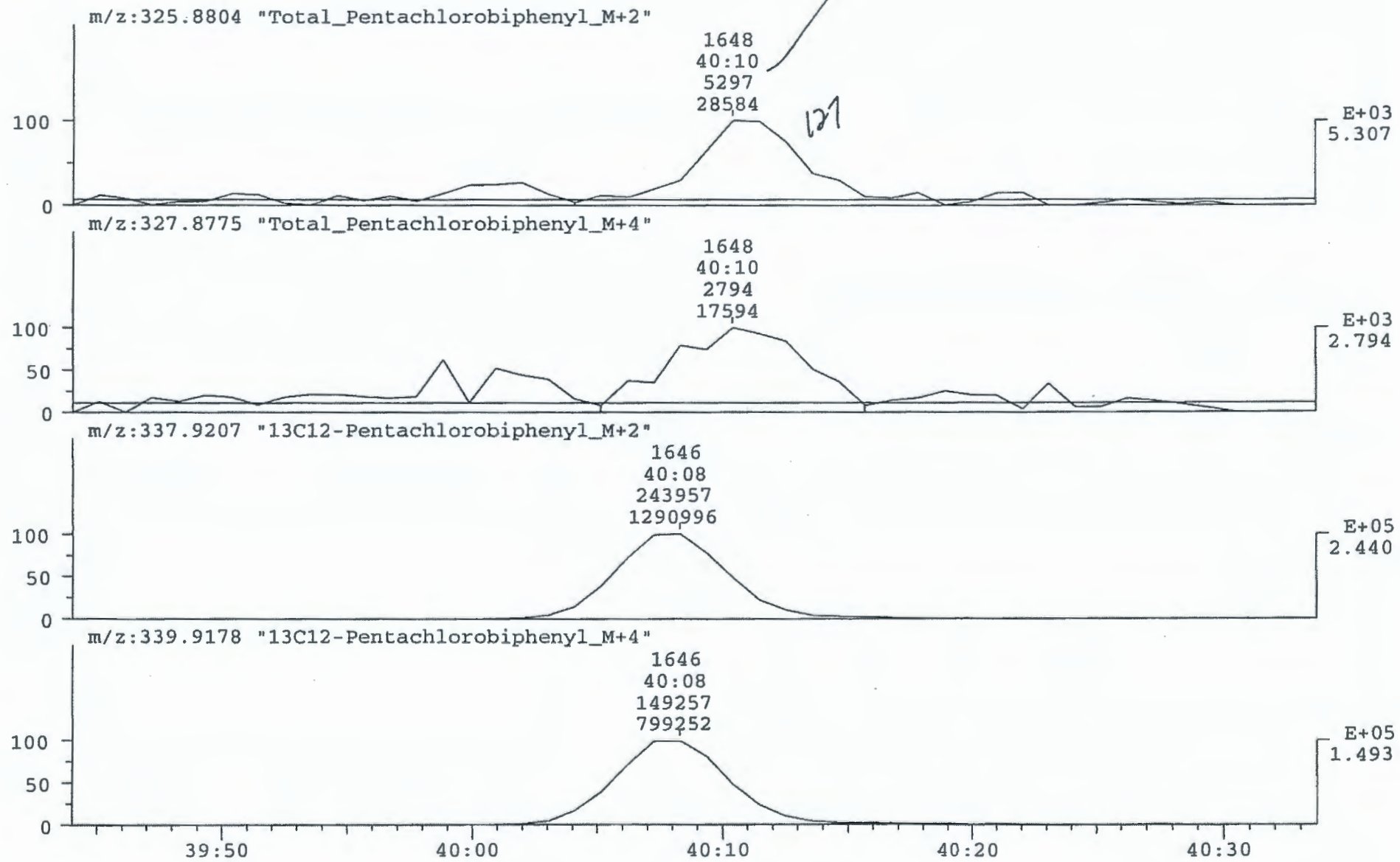
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1484 > 1542 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



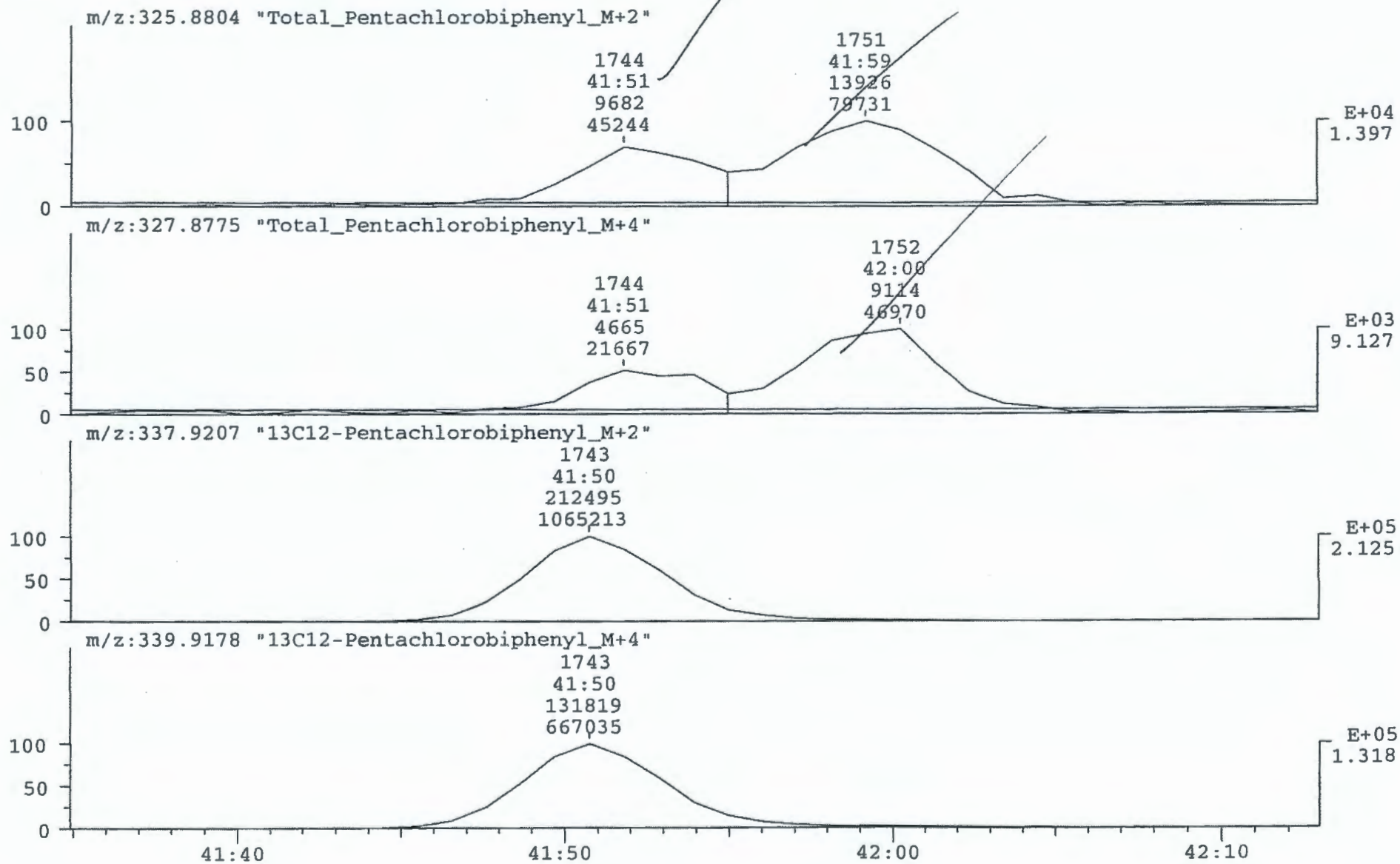
CHRO: apj7v9t 12-Oct-07 Elapse: 14:54.3 222
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1555 > 1590 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



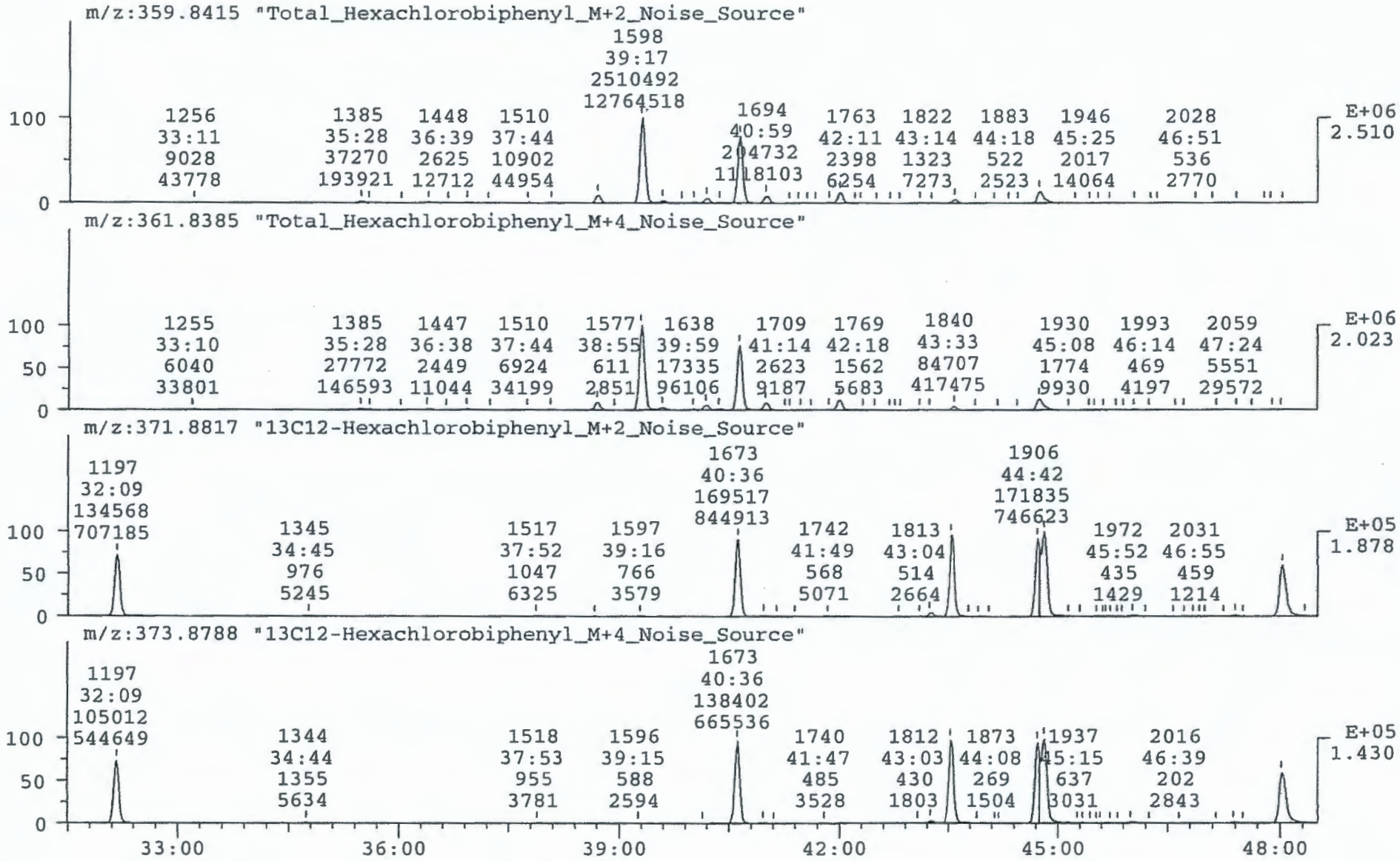
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  40:12      1650
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial 15
Peak:  100.00  ppm      Label wndw:   1645 > 1655         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



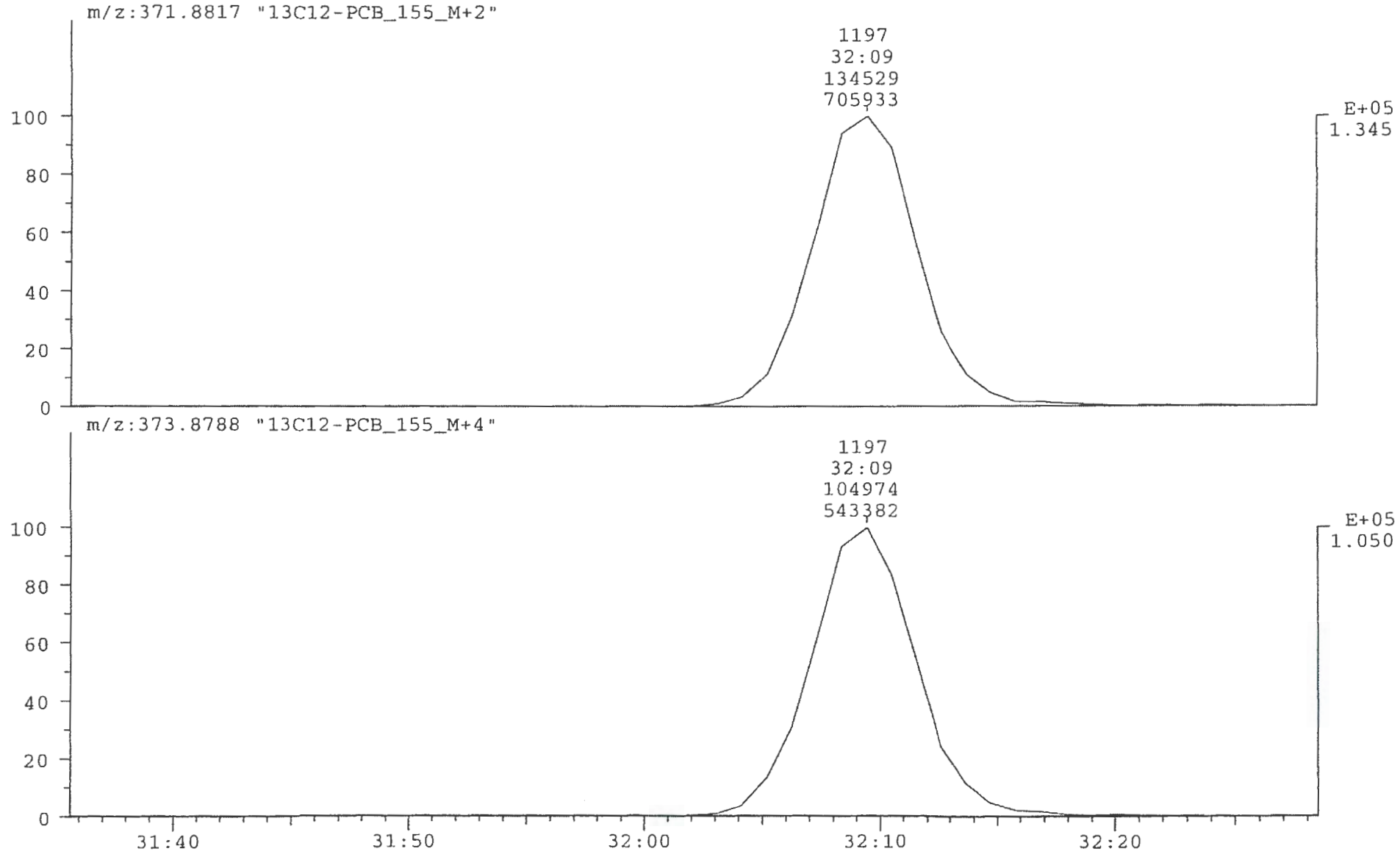
CHRO: apj7v9t 12-Oct-07 Elapse: 40:12 1650
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1728 > 1764 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



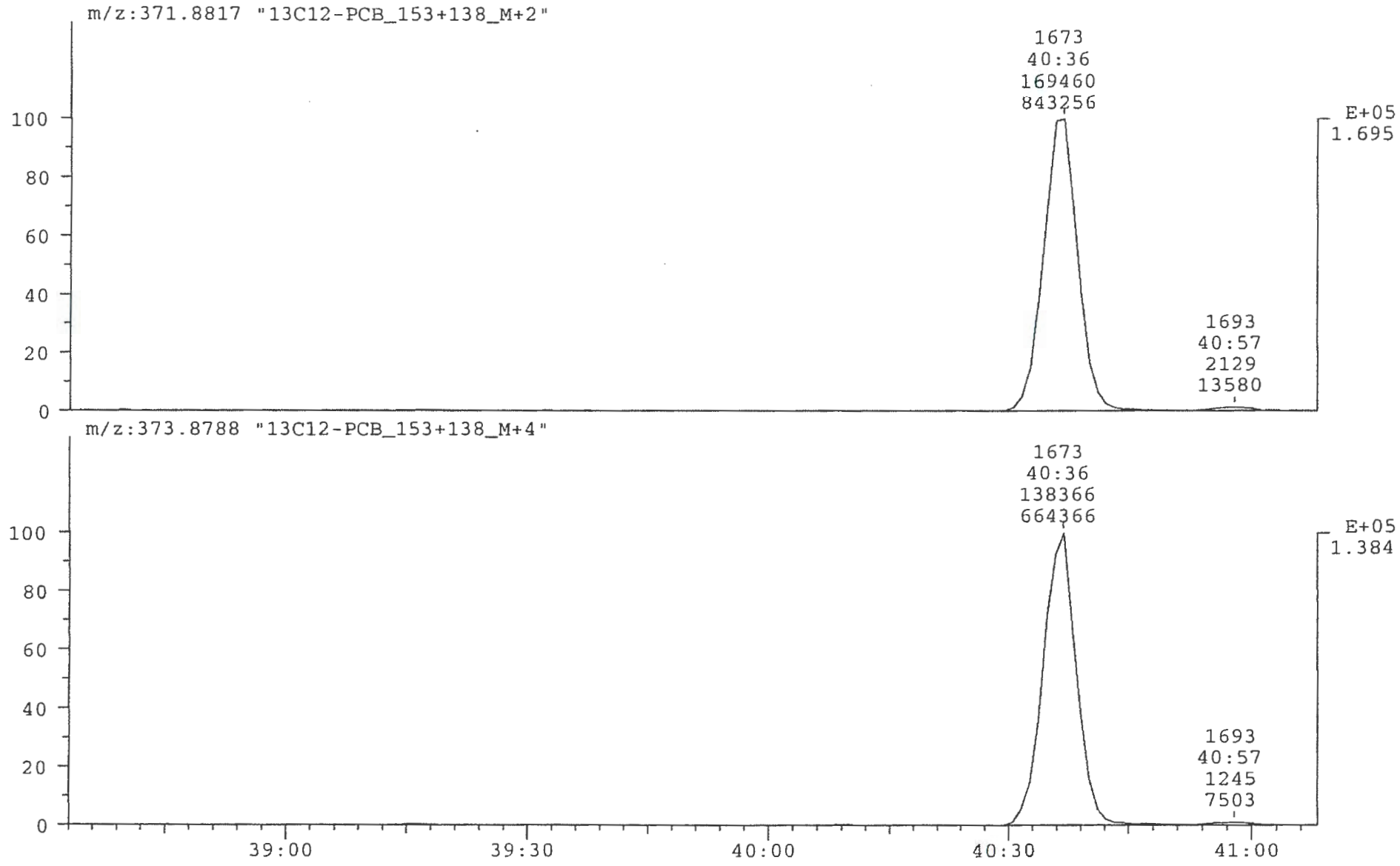
CHRO: apj7v9t 12-Oct-07 Elapse: 39:58 1637
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1159 > 2121 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



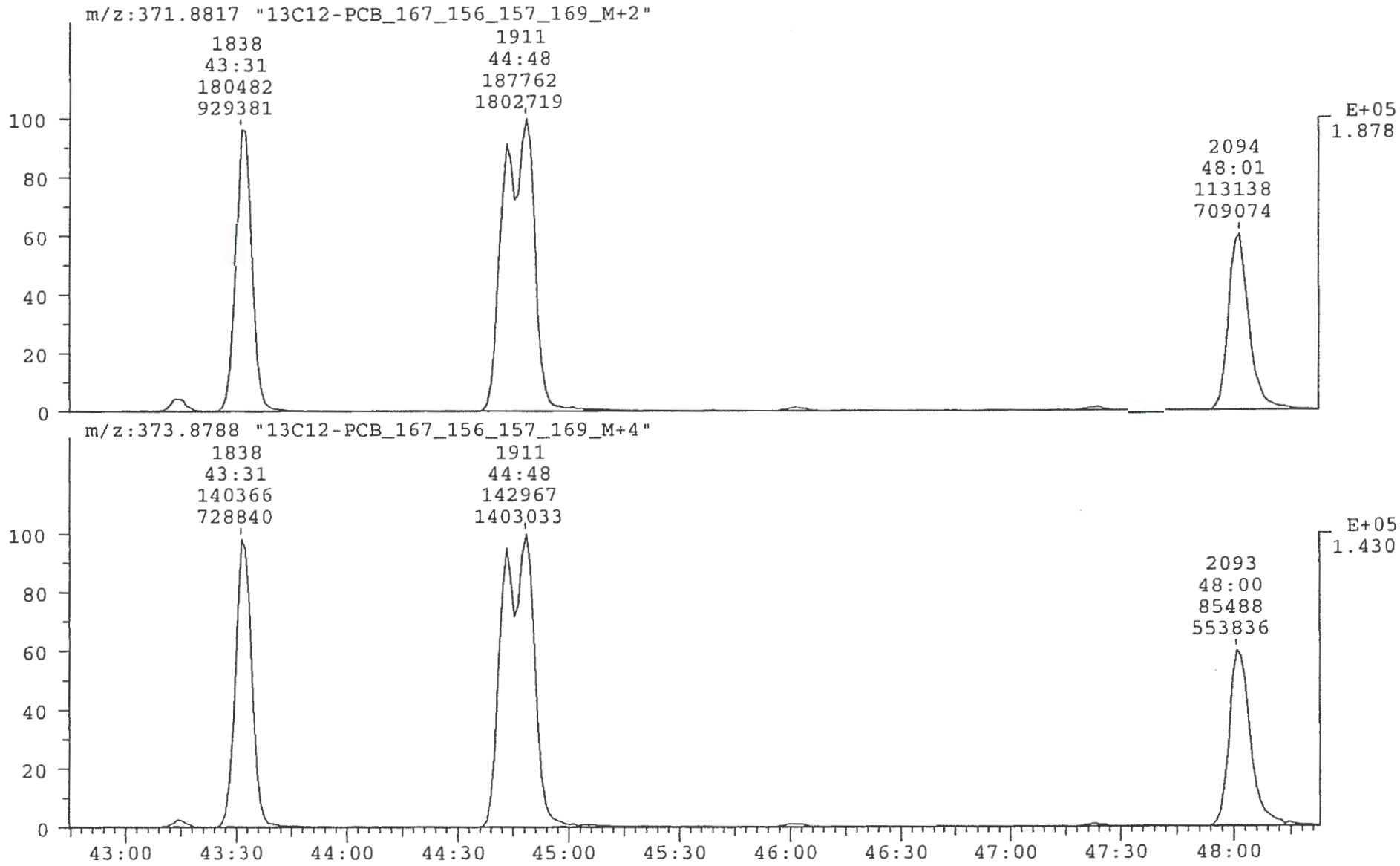
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  32:02      1190
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
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
```



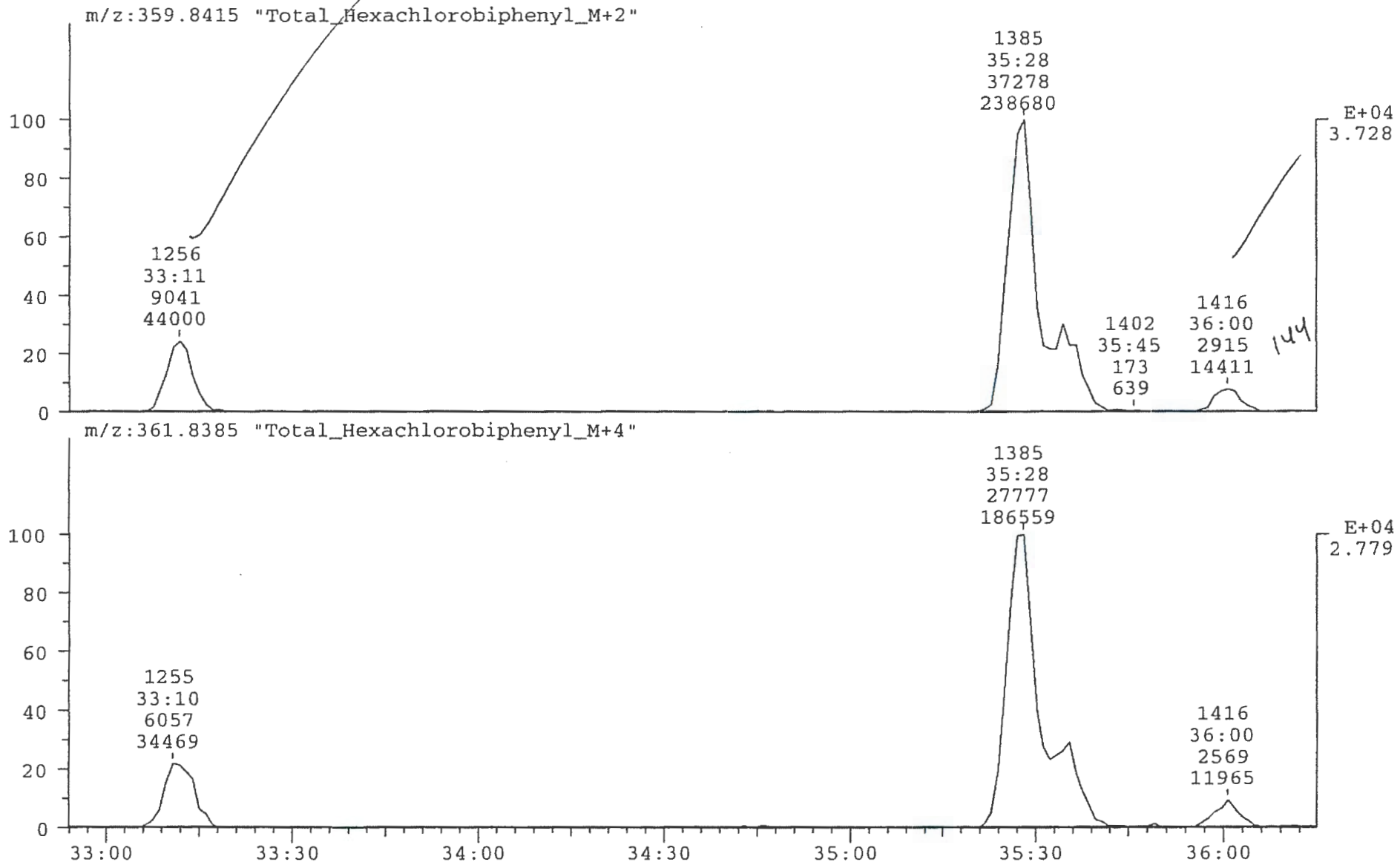
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  39:50      1629
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
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
```



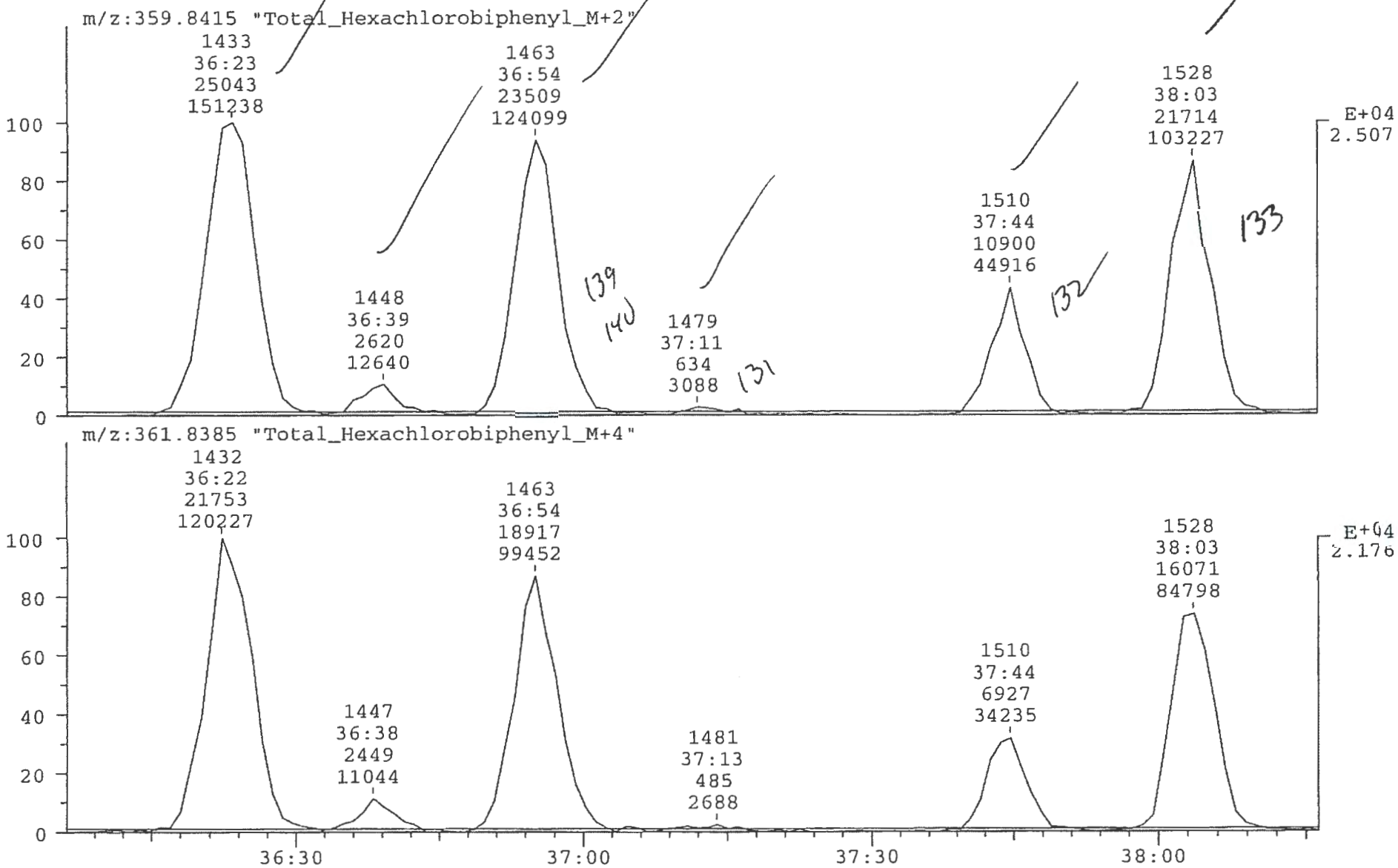
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  45:38      1959
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial 15
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
```



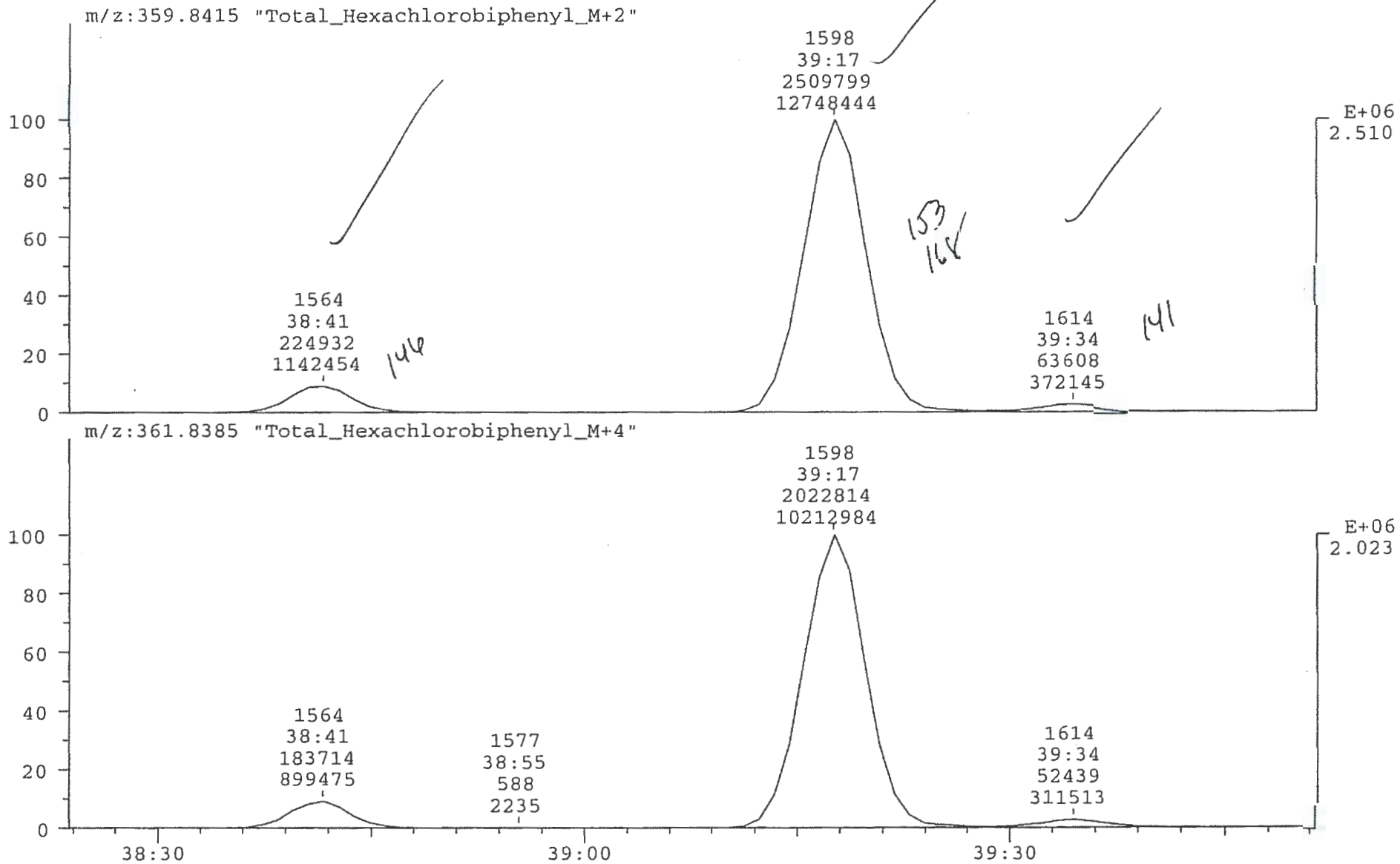
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  40:12      1650
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   1239 > 1425         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 5              Label :  -3, 3.0
Disp:  Height  Area
```



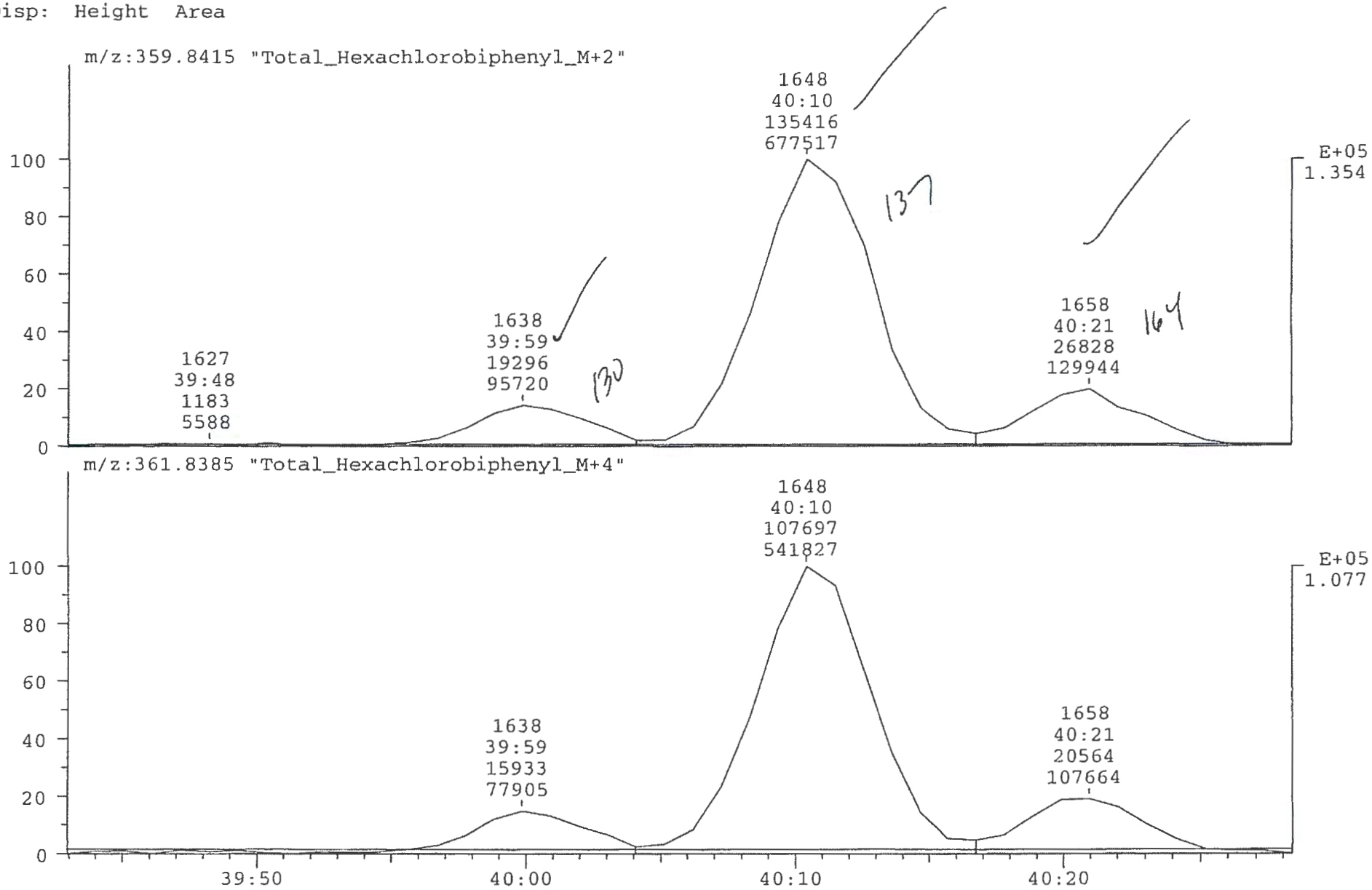
CHRO: apj7v9t 12-Oct-07 Elapse: 40:12 1650
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=mld/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1421 > 1540 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



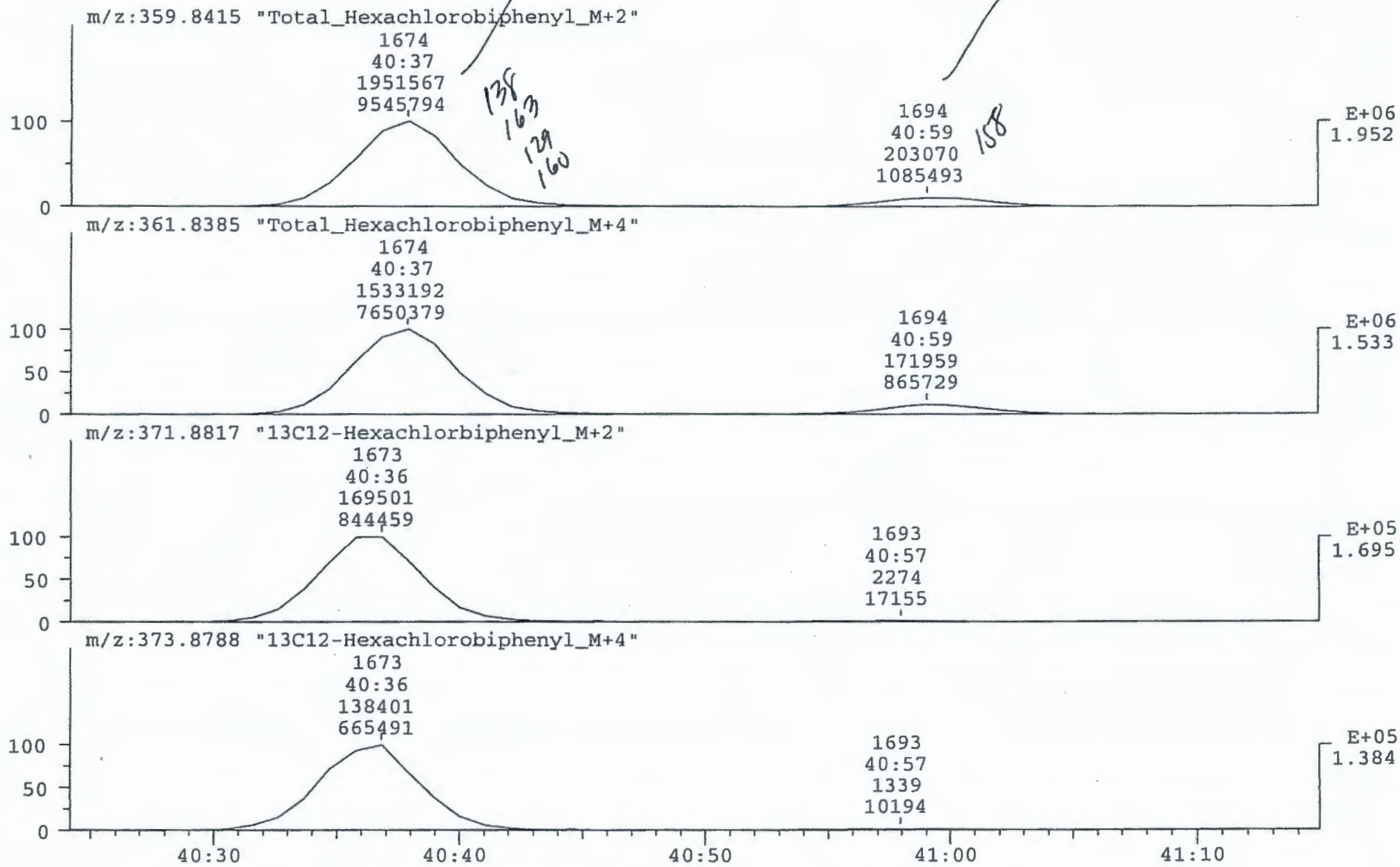
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  40:12      1650
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   1547 > 1630         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



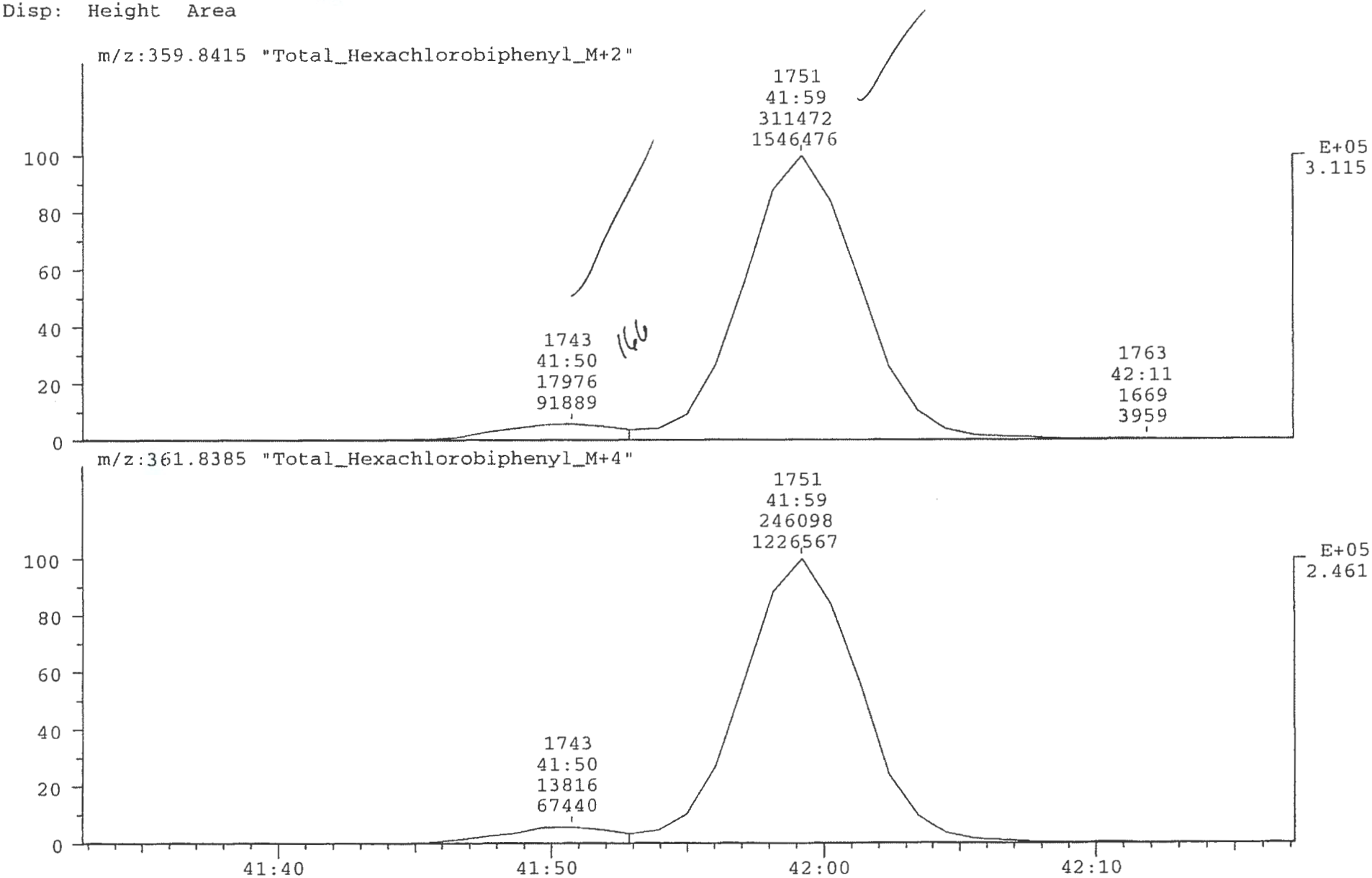
```
CHRO:  apj7v9t                                12-Oct-07  Elapse:  40:12      1650
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                         Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003             Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   1622 > 1665        Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3             Label :  -3, 3.0
Disp:  Height  Area
```



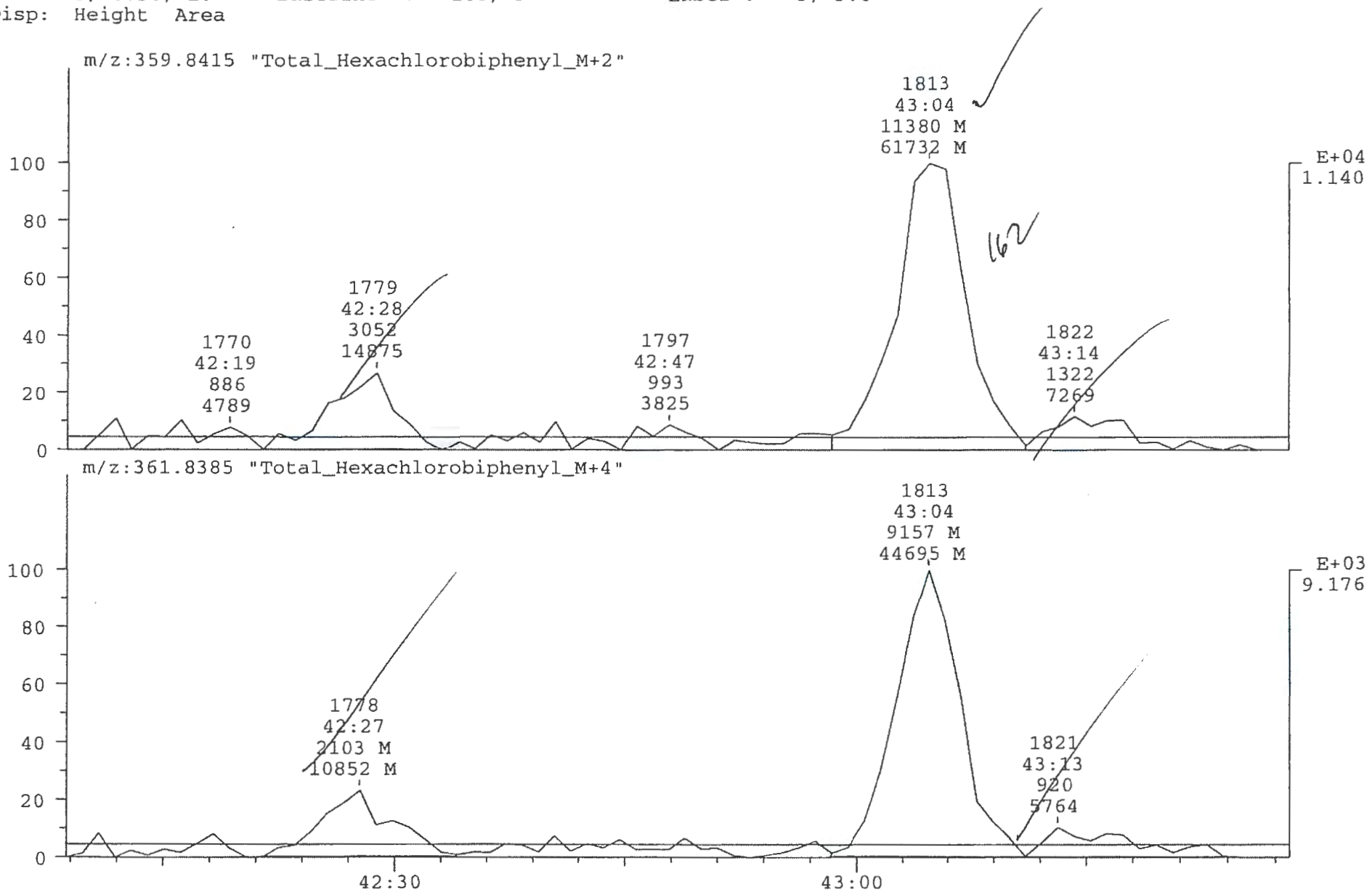
CHRO: apj7v9t 12-Oct-07 Elapse: 40:12 1650
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1661 > 1709 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



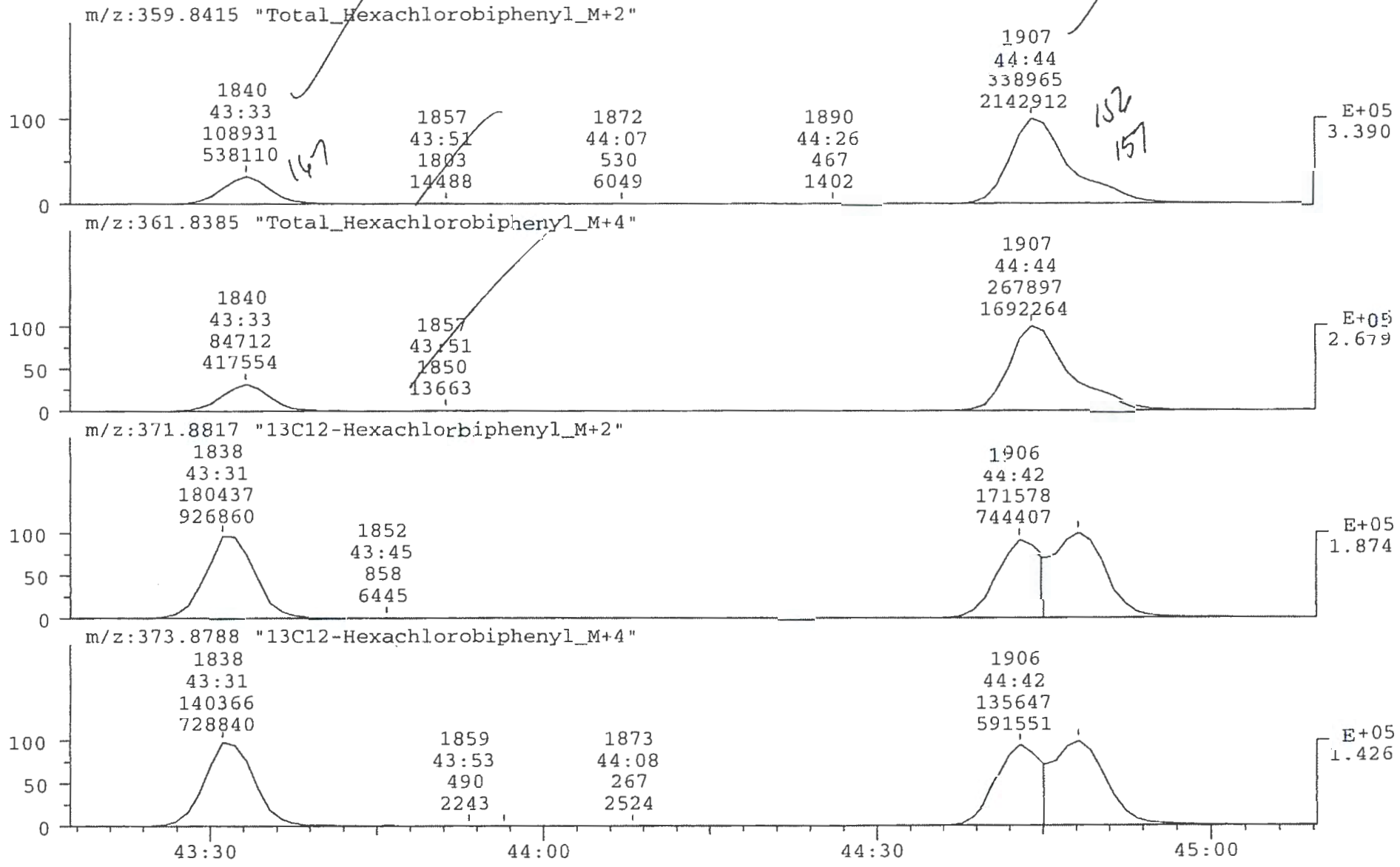
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  40:12      1650
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   1726 > 1768         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



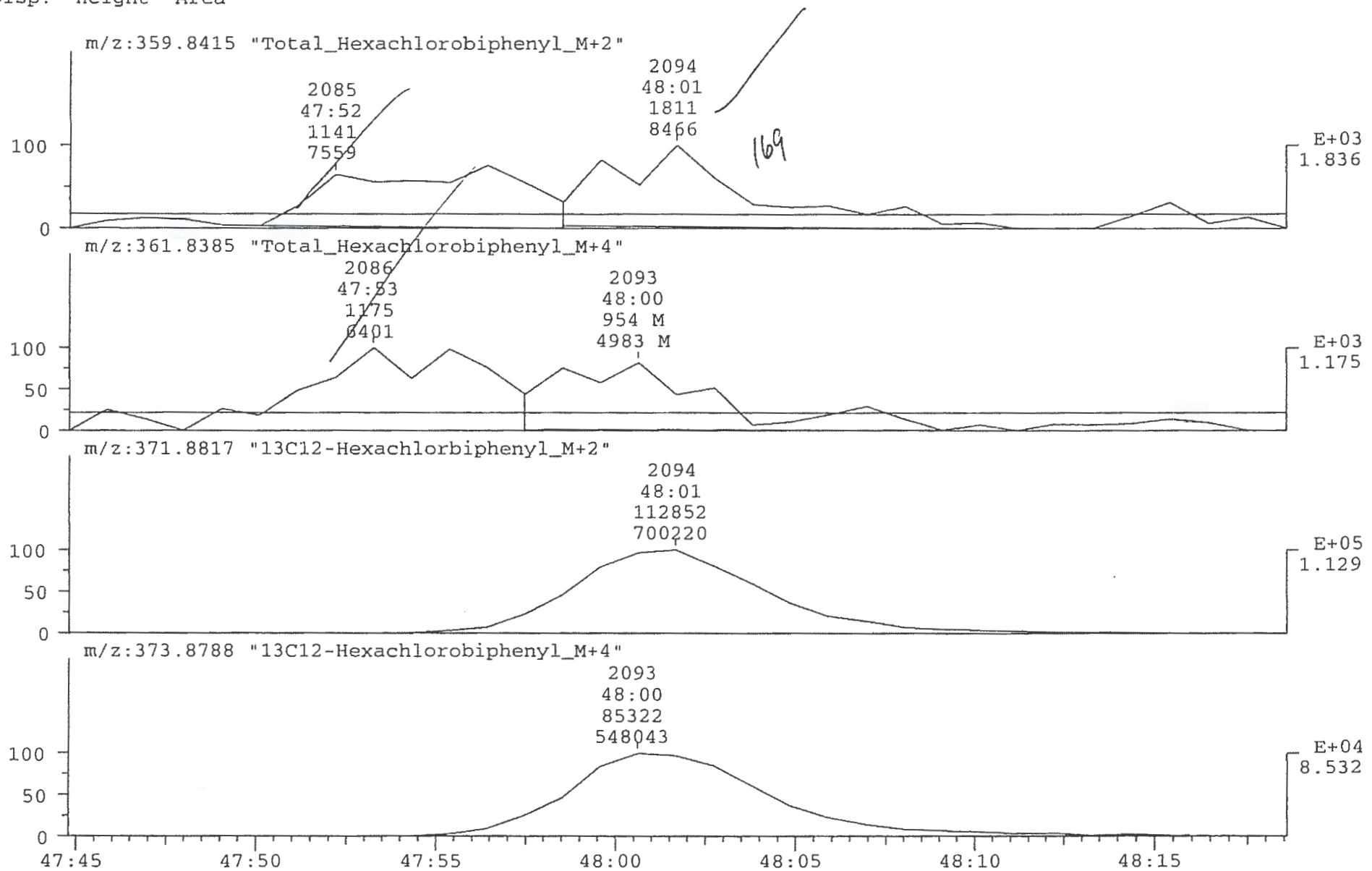
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  40:12      1650
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial 15
Peak:  100.00  ppm      Label wndw:   1760 > 1835         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



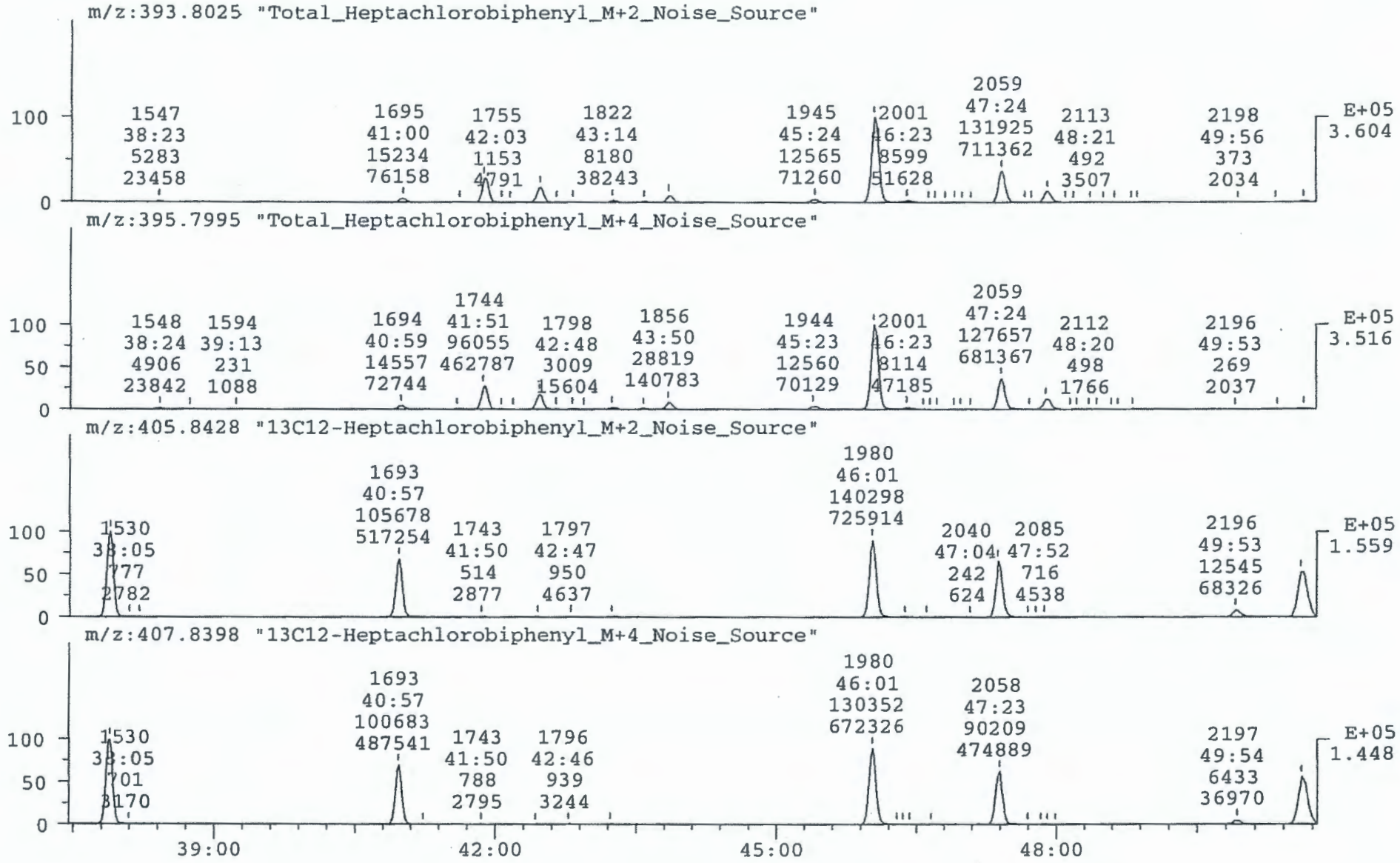
CHRO: apj7v9t 12-Oct-07 Elapse: 40:12 1650
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1825 > 1931 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



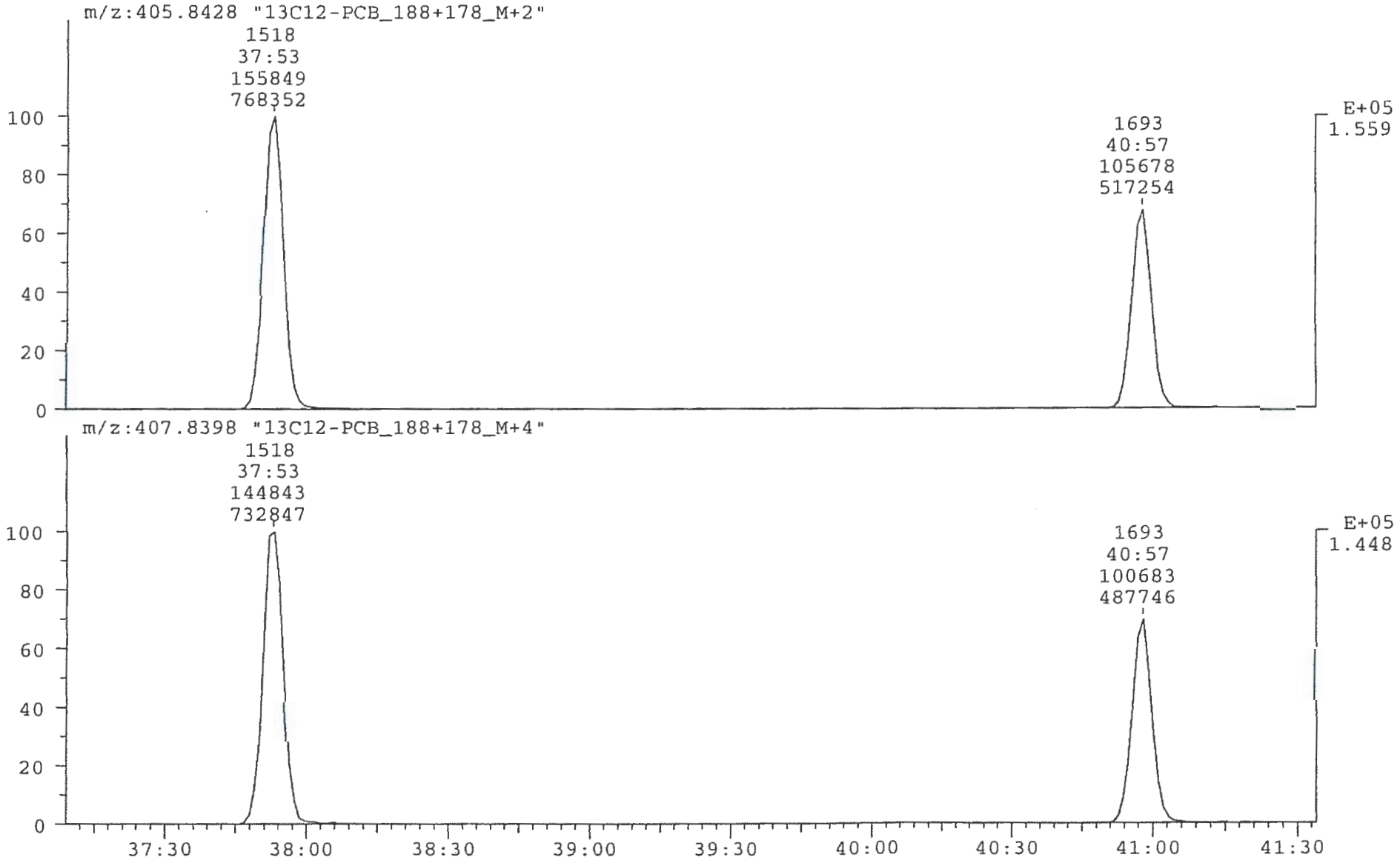
CHRO: apj7v9t 12-Oct-07 Elapse: 40:12 1650
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 2078 > 2110 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



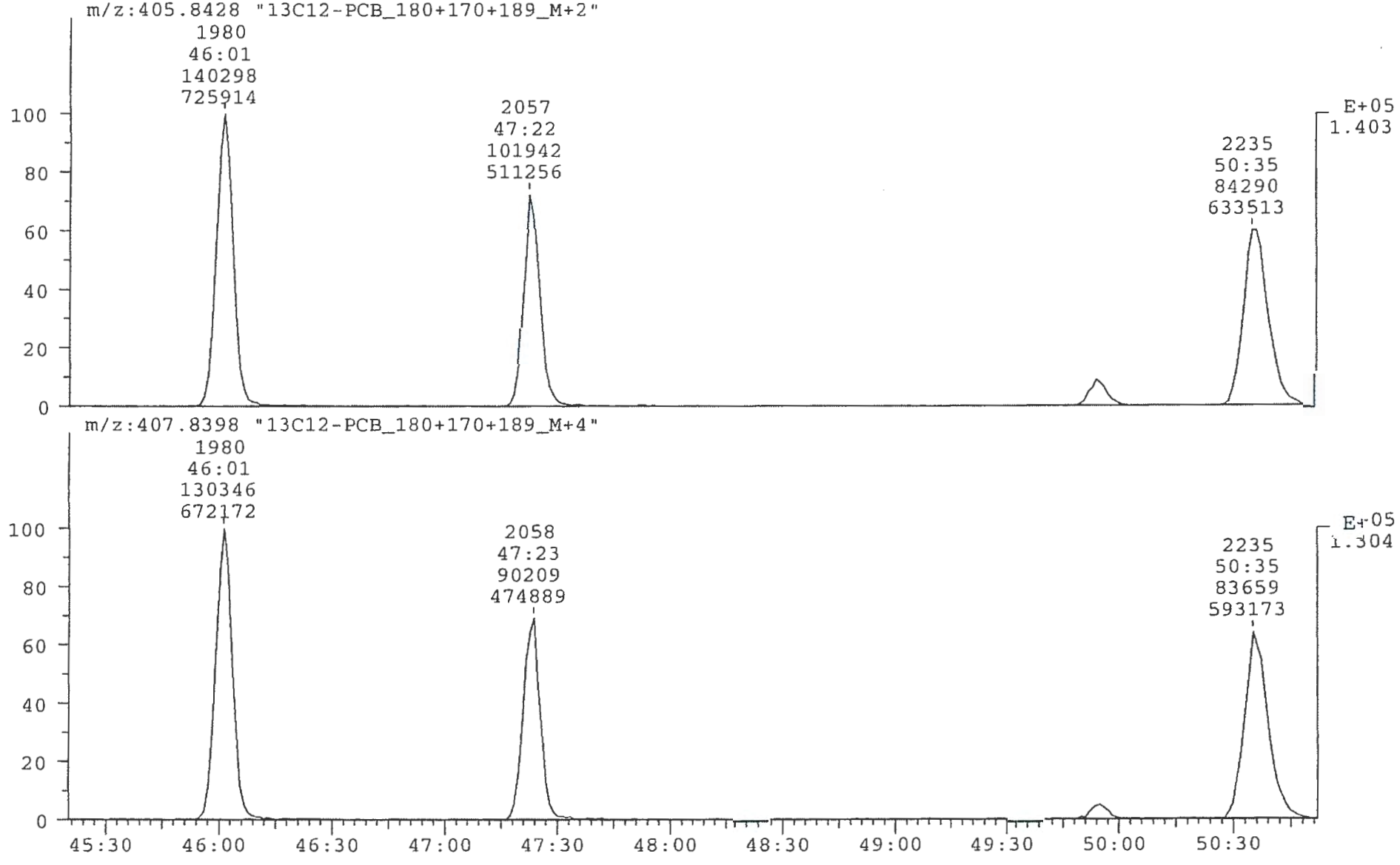
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  44:06      1871
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial 15
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
```



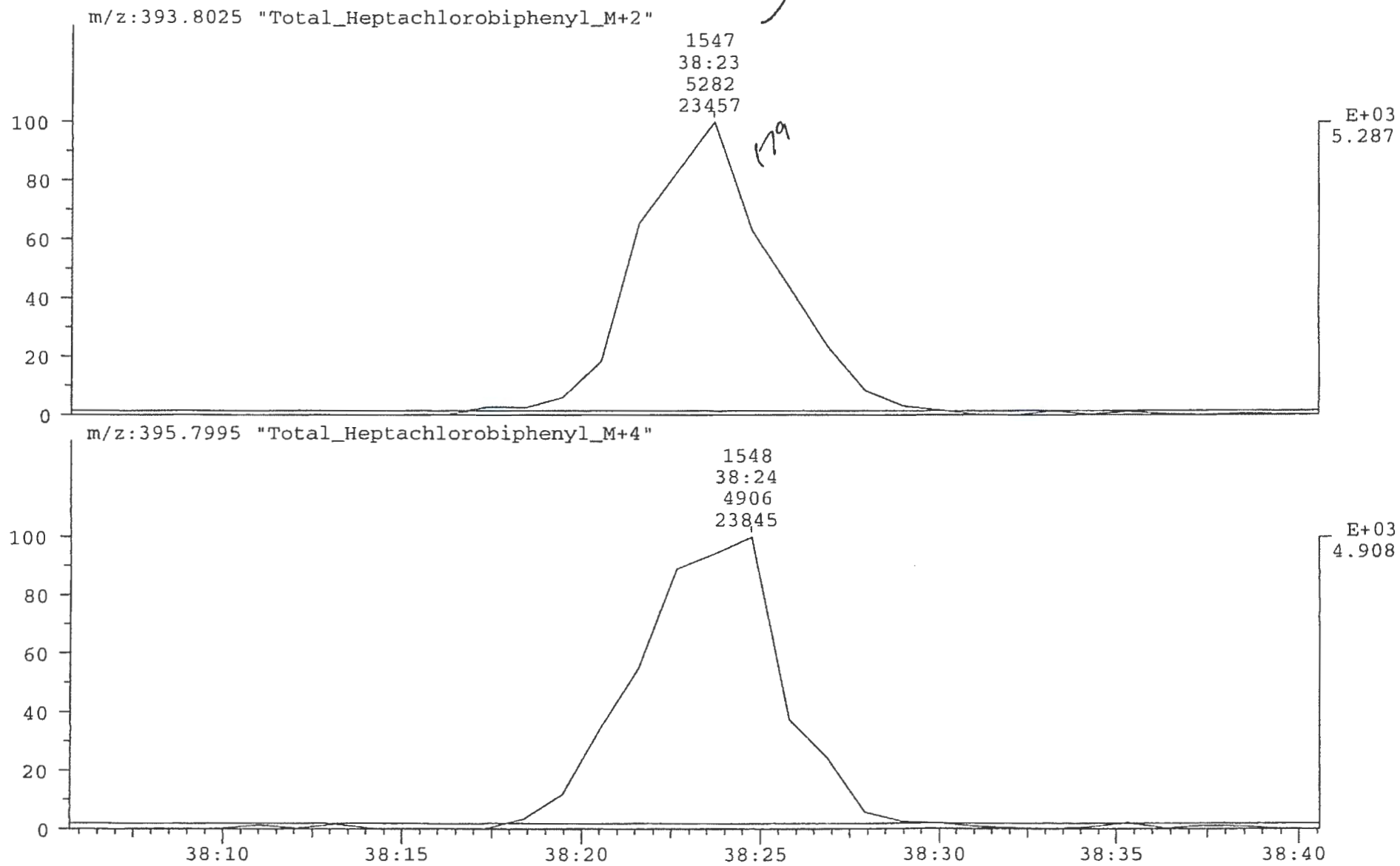
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  39:20       1601
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40    2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC      Vial  15
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
```



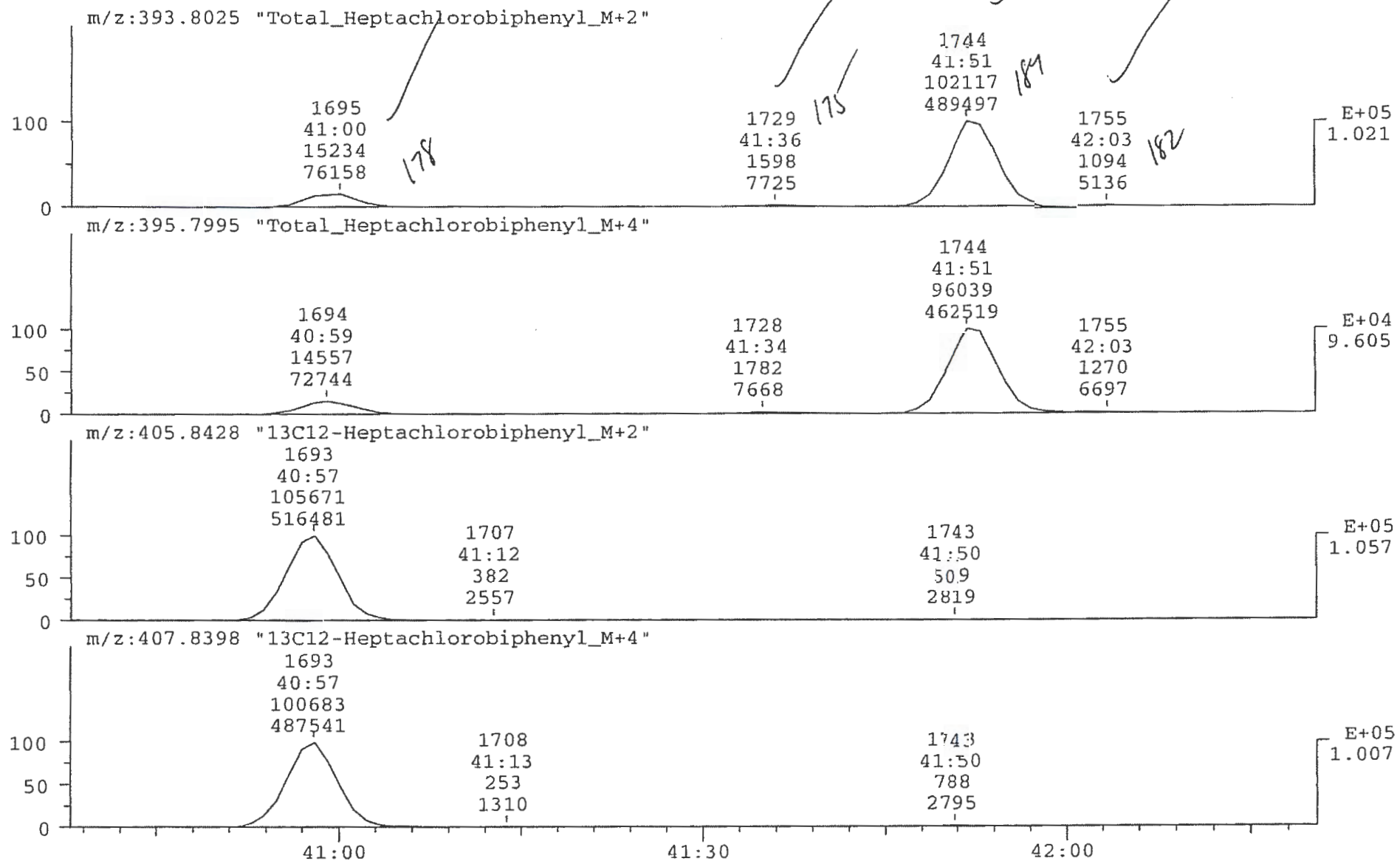
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  48:09      2101
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
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
```



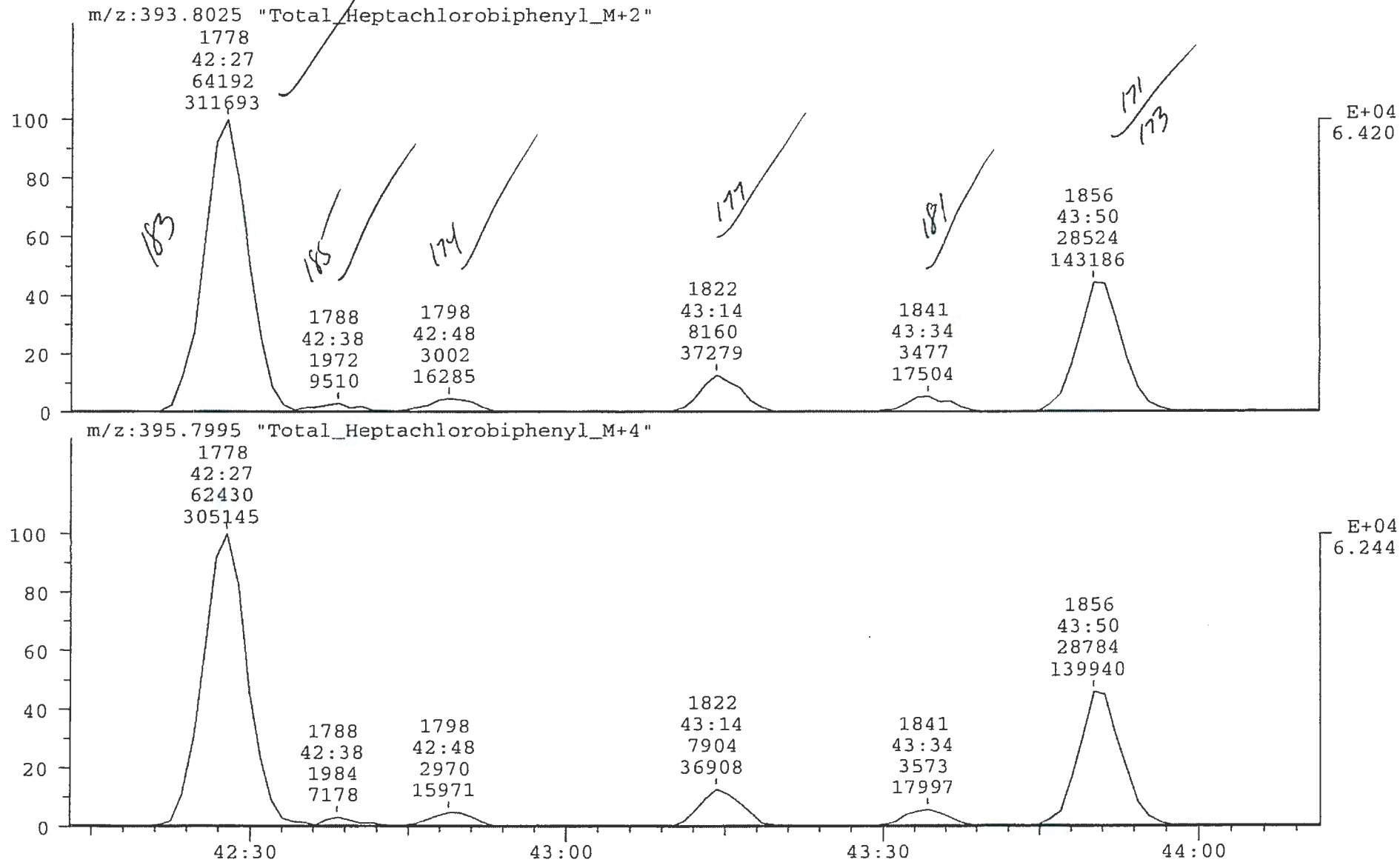
CHRO: apj7v9t 12-Oct-07 Elapse: 40:12 1650
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1530 > 1563 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



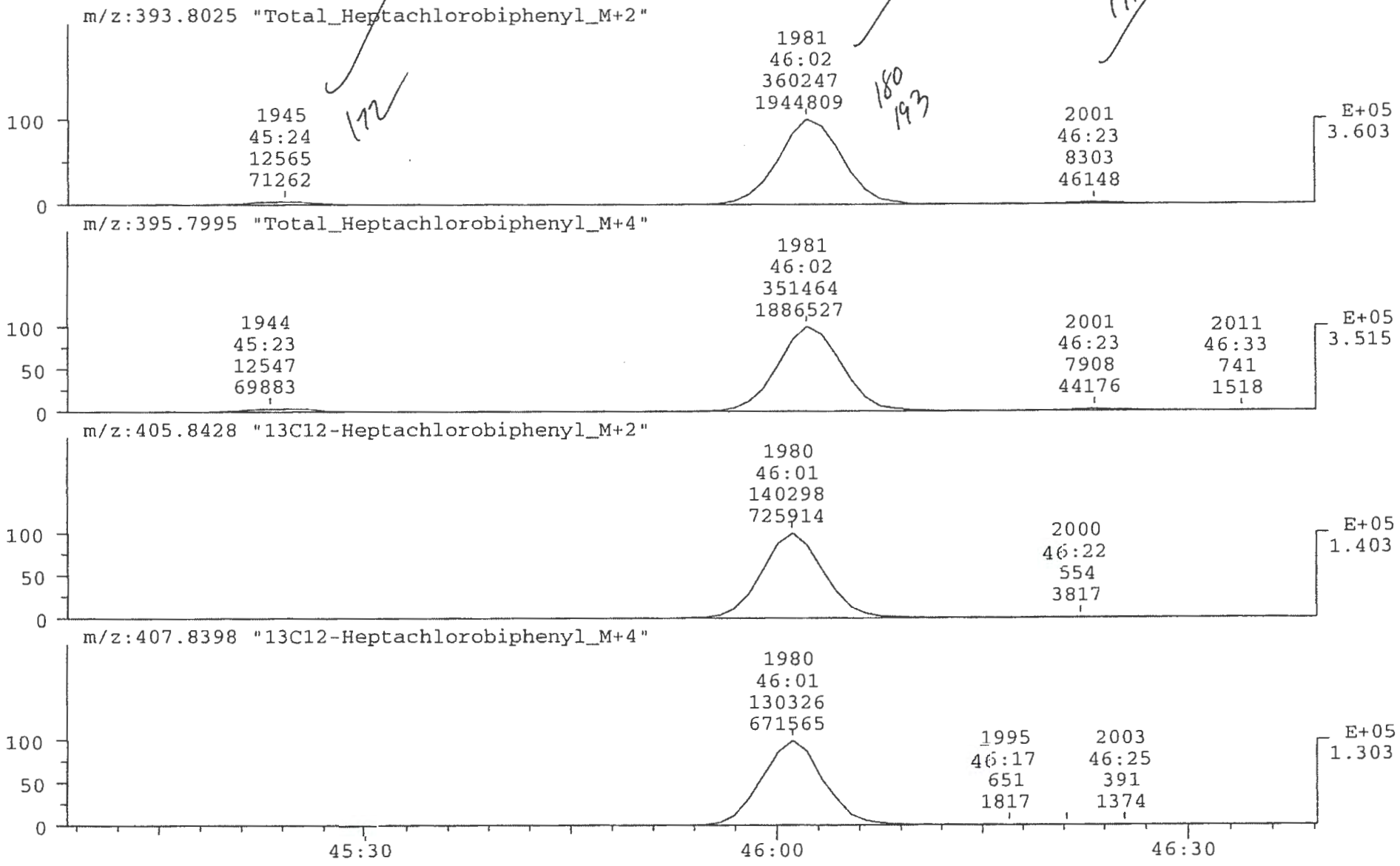
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  40:12      1650
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   1674 > 1771         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



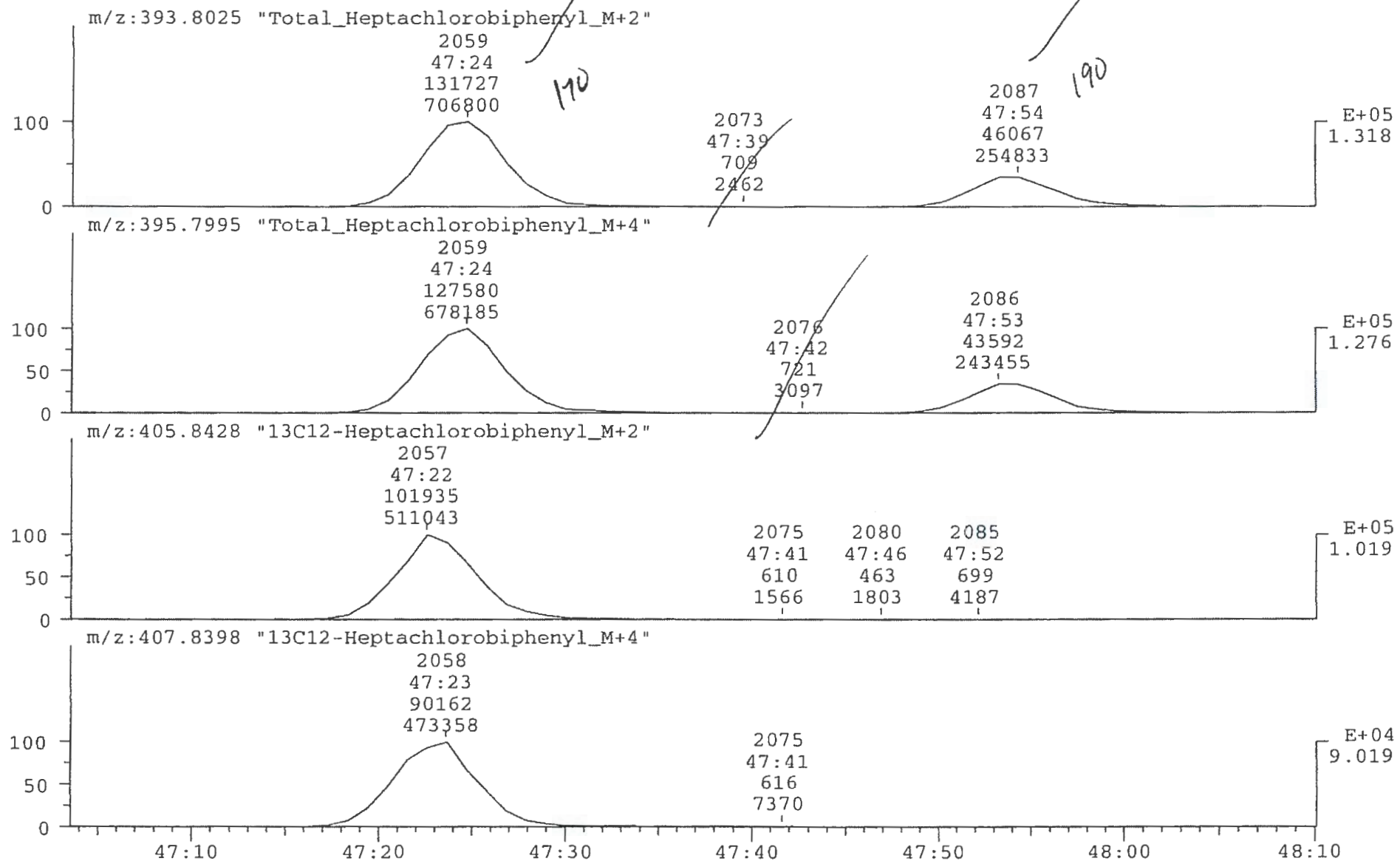
CHRO: apj7v9t 12-Oct-07 Elapse: 40:12 1650
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1764 > 1876 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



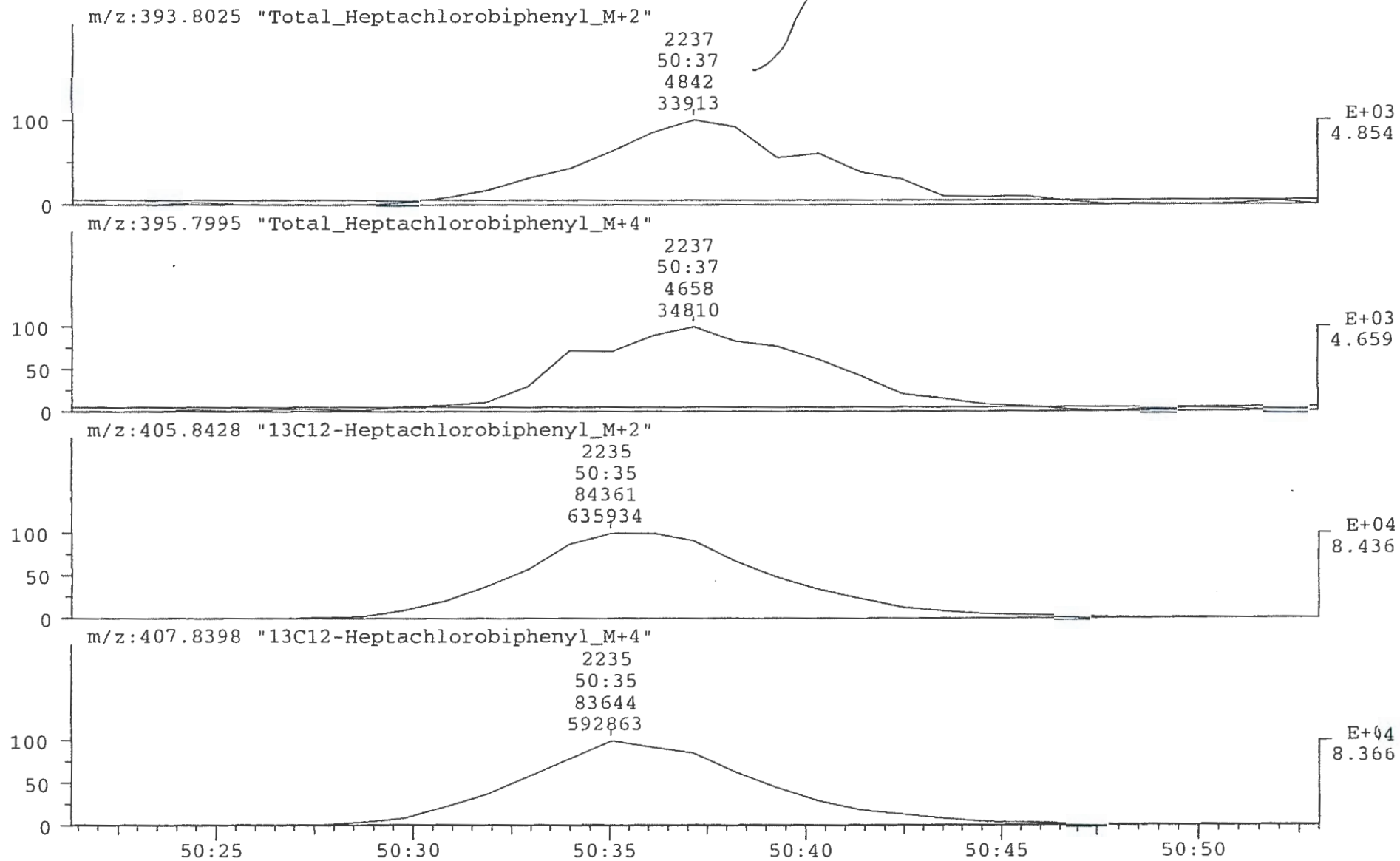
CHRO: apj7v9t 12-Oct-07 Elapse: 40:12 1650
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 1930 > 2016 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



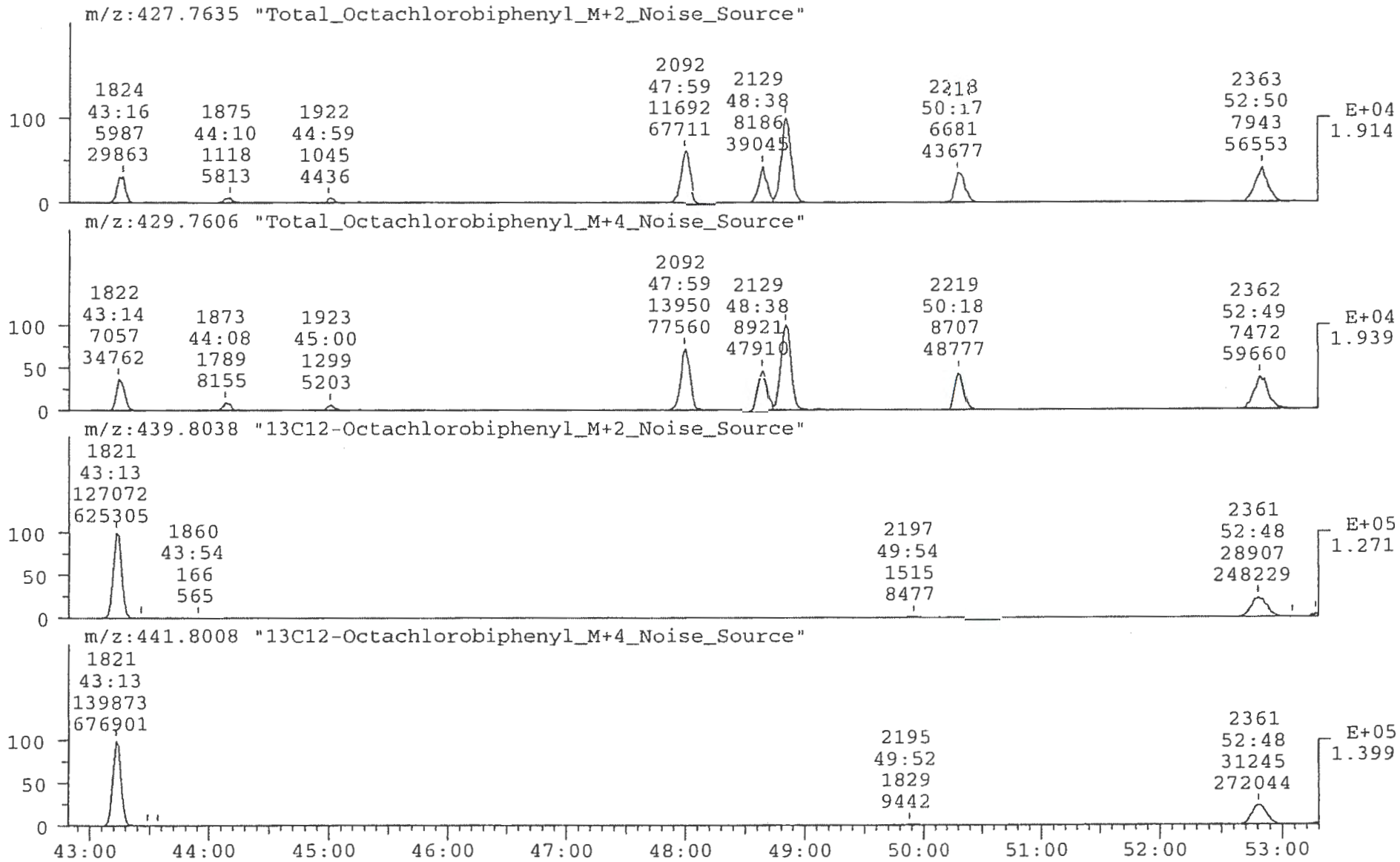
CHRO: apj7v9t 12-Oct-07 Elapse: 40:12 1650
Samp: Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1 Start : 18:30:40 2600
Comm: Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 7278087 (10.0g)
Oper: DCG Client: H7I280209-003 Inlet : GC Vial 15
Peak: 100.00 ppm Label wndw: 2039 > 2102 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



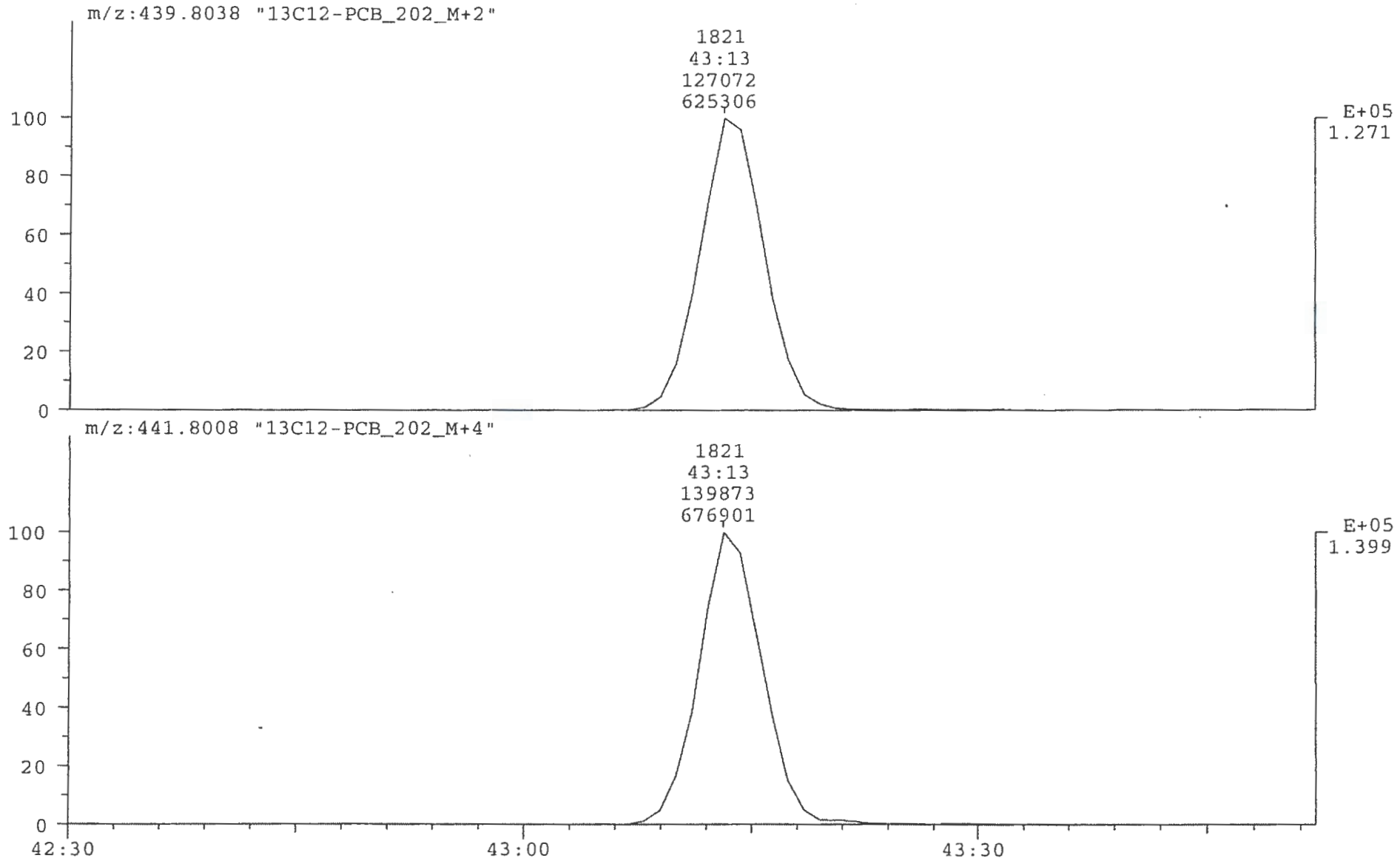
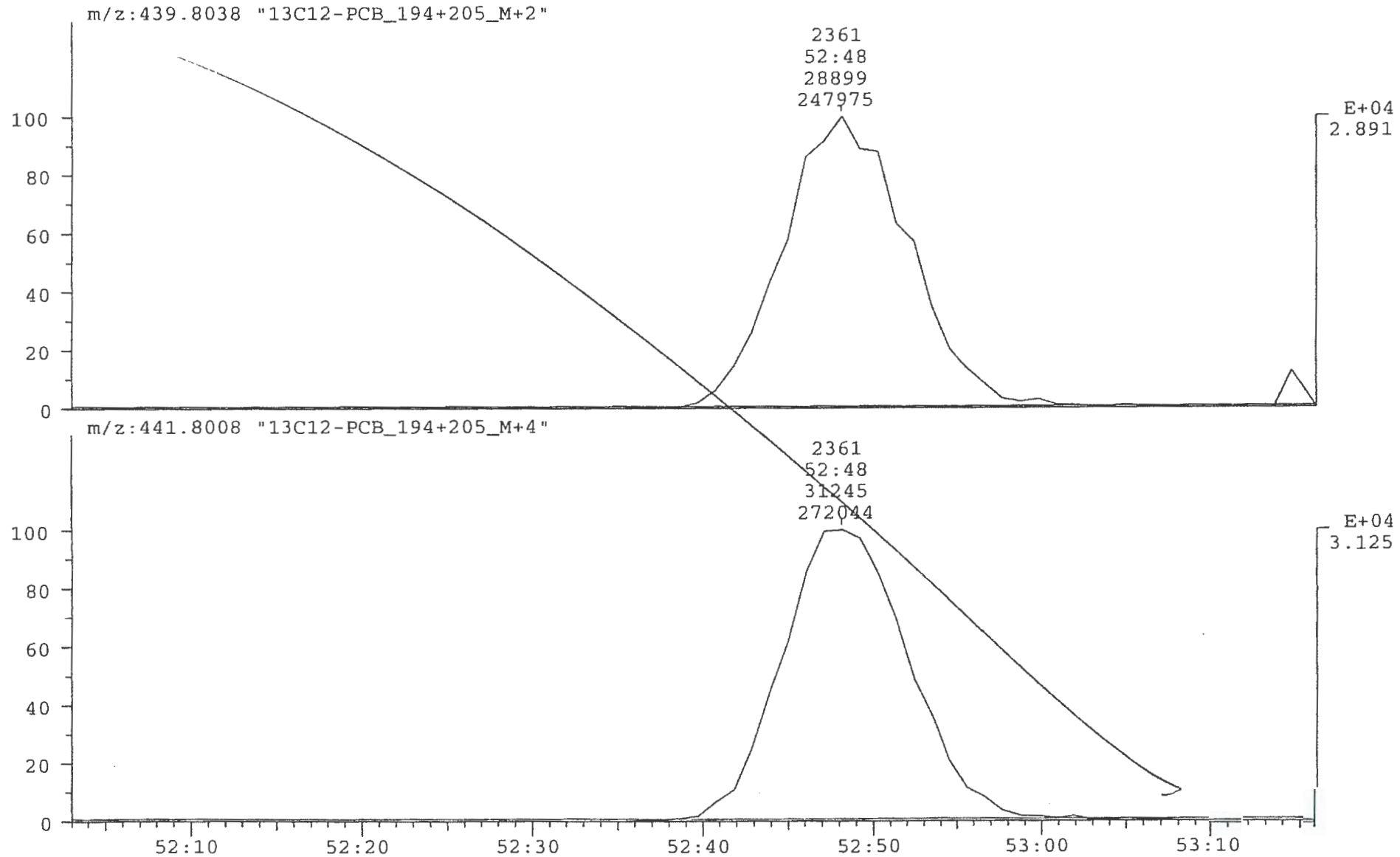
```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  40:12      1650
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial 15
Peak:  100.00  ppm      Label wndw:   2222 > 2252         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  48:02      2095
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   1798 > 2389         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



```
CHRO:  apj7v9t                                12-Oct-07   Elapse:  43:07      1816
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
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:  apj7v9t                                12-Oct-07   Elapse:  52:38      2352
Samp:  Vial 15 WO=j7v9t1aa Meth=IE5 Dil=1                 Start :  18:30:40   2600
Comm:  Inst=m1d/35055-03a Batch=20071012s1 Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  7278087 (10.0g)
Oper:  DCG            Client:  H7I280209-003              Inlet :  GC     Vial  15
Peak:  100.00  ppm      Label wndw:   2318 > 2387         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```