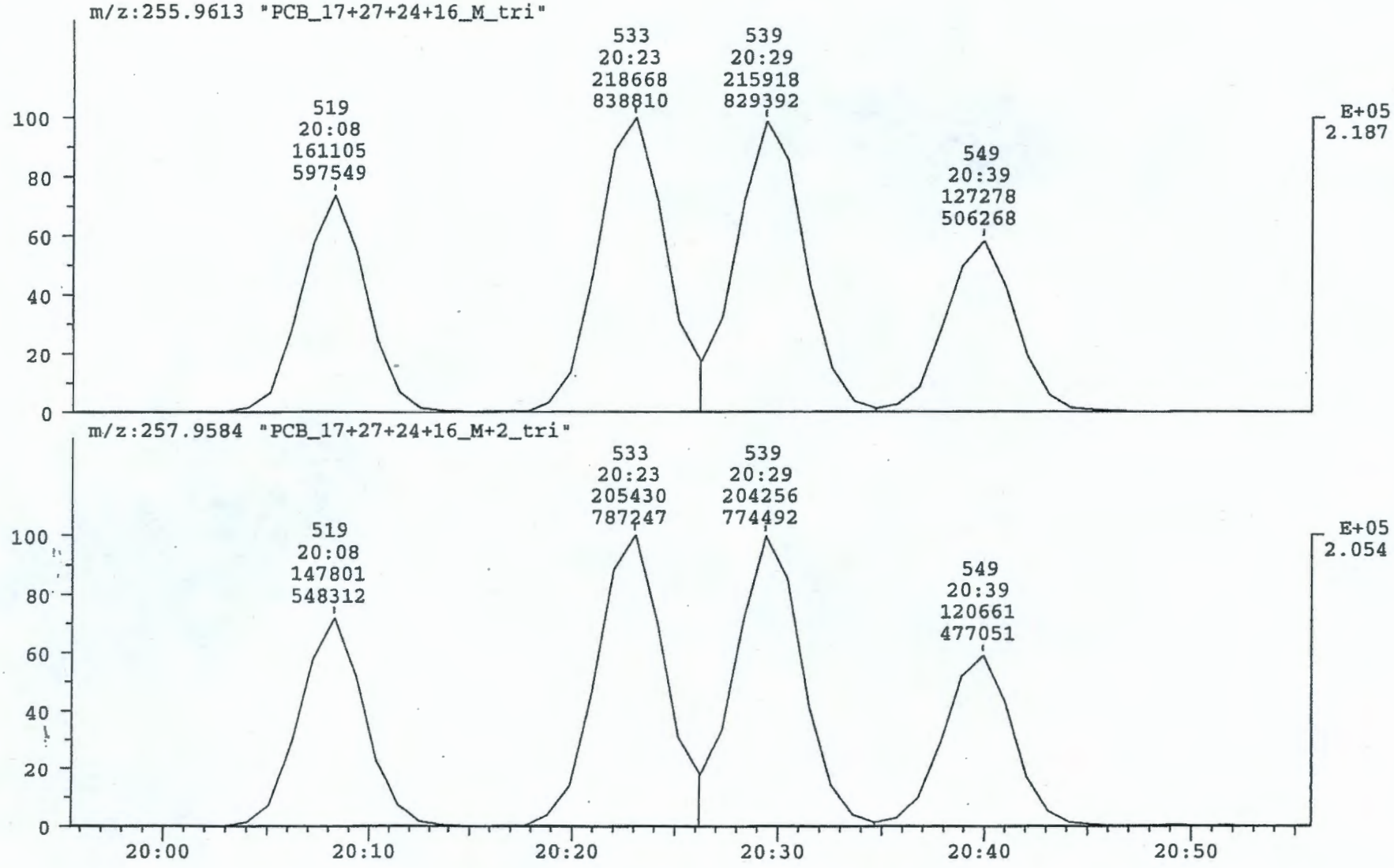
# AR TARGET SHEET

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

| | |
|---|---|
| EDMC#: | 0074172 |
| SECTION: | 3 OF 5 |
| DOCUMENT #: | J00132 |
| TITLE: | Data Package Summary Analytical Laboratory 100 Area and 300 Area Component of RCBRA Tissues - Resampling |

```
CHRO:  a070313ss                                14-Mar-07  Elapse:  20:27.2      537
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   507 > 564            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



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CHRO:  a070313ss                                14-Mar-07   Elapse:  21:10.5      578
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   558 > 598             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
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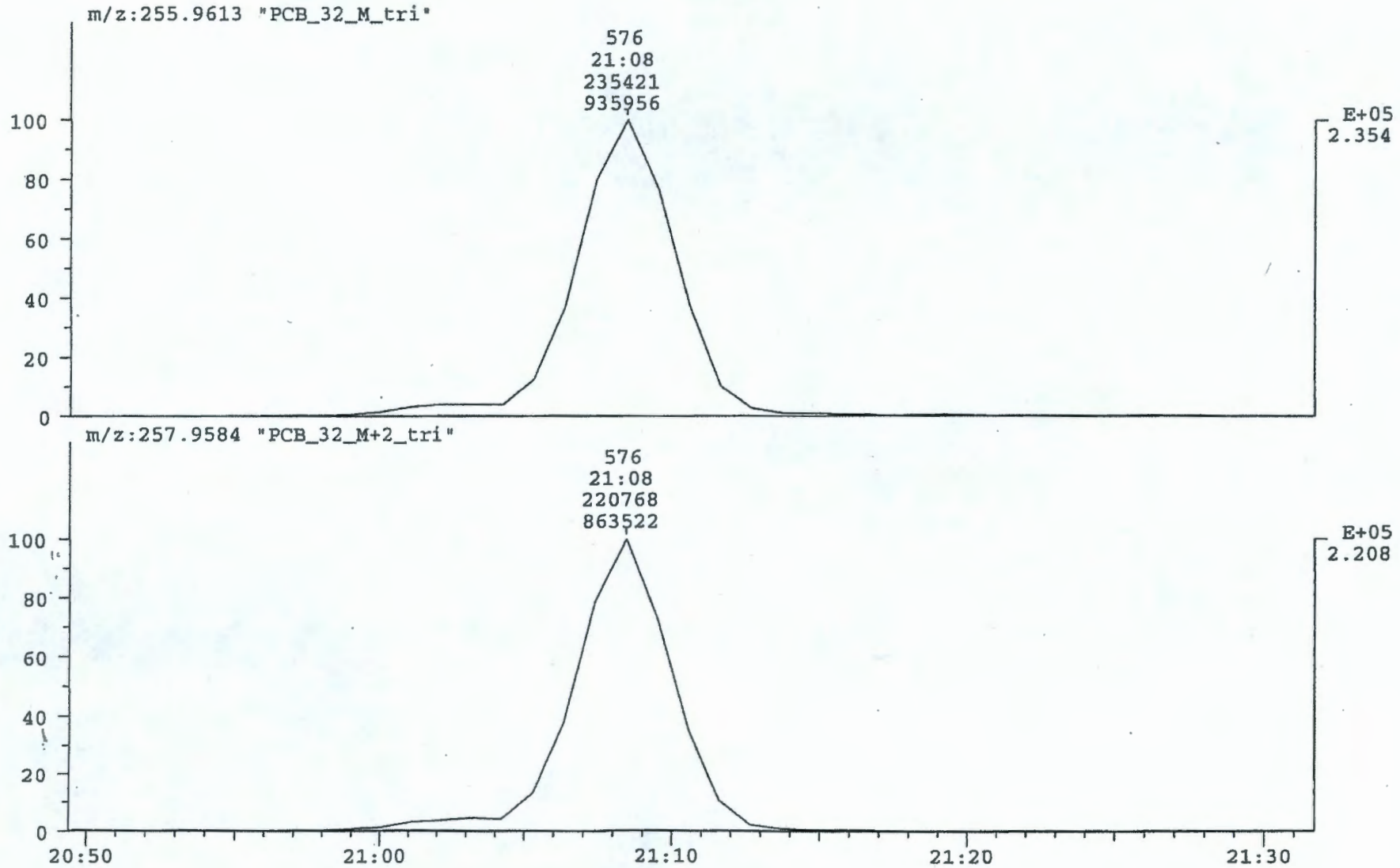
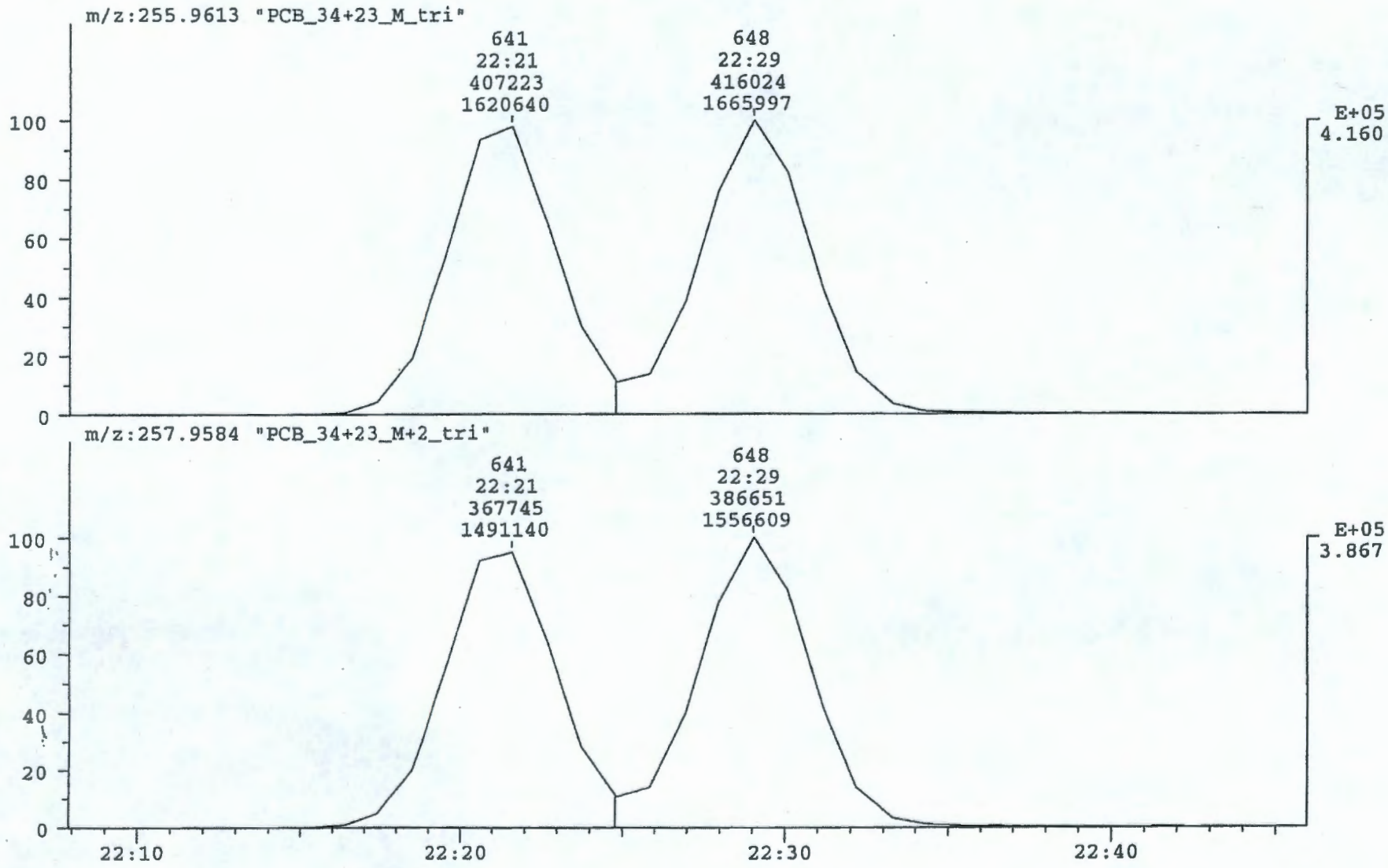



1202

CHRO: a070313ss 14-Mar-07 Elapse: 22:23.7 643
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 628 > 664 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



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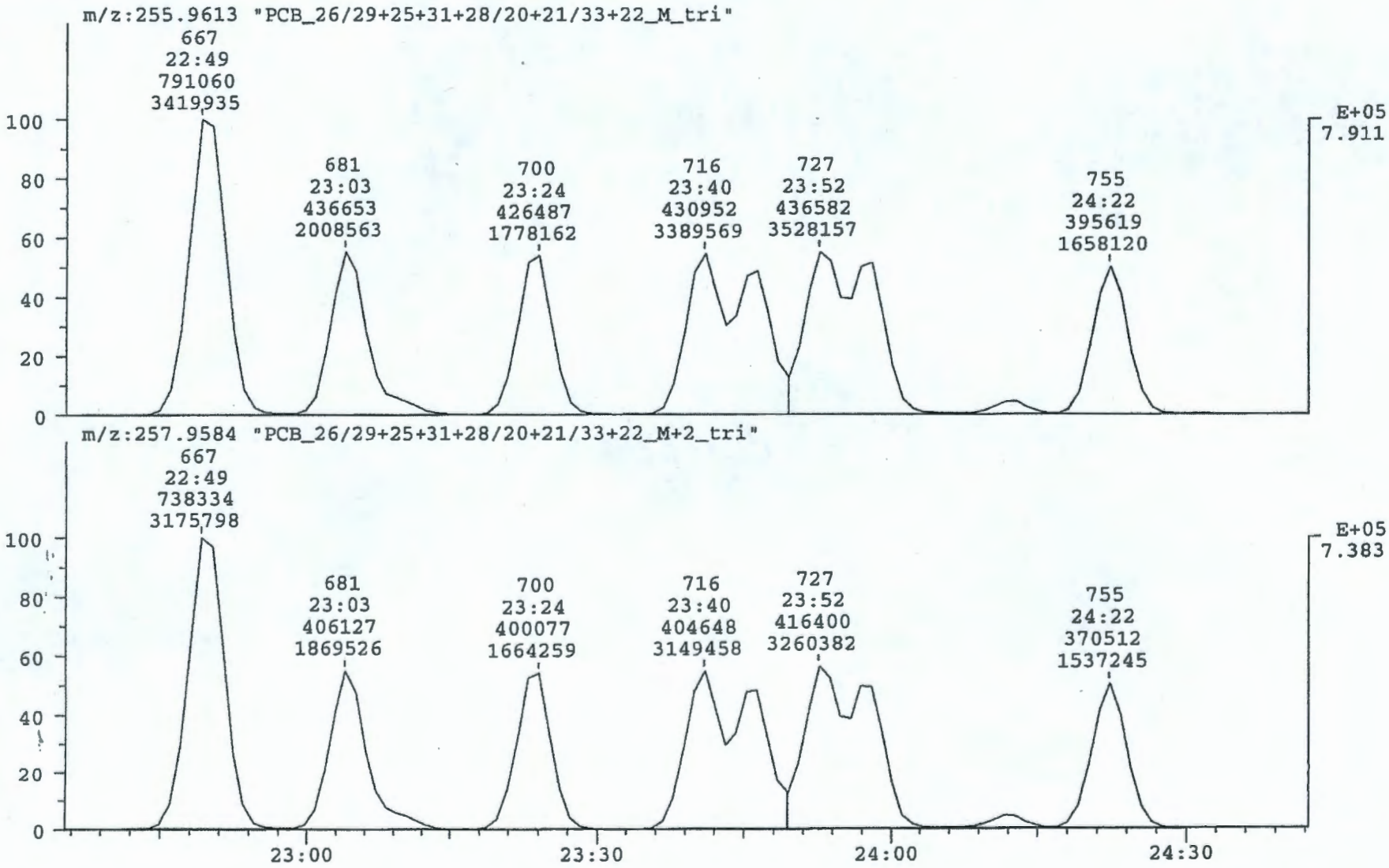
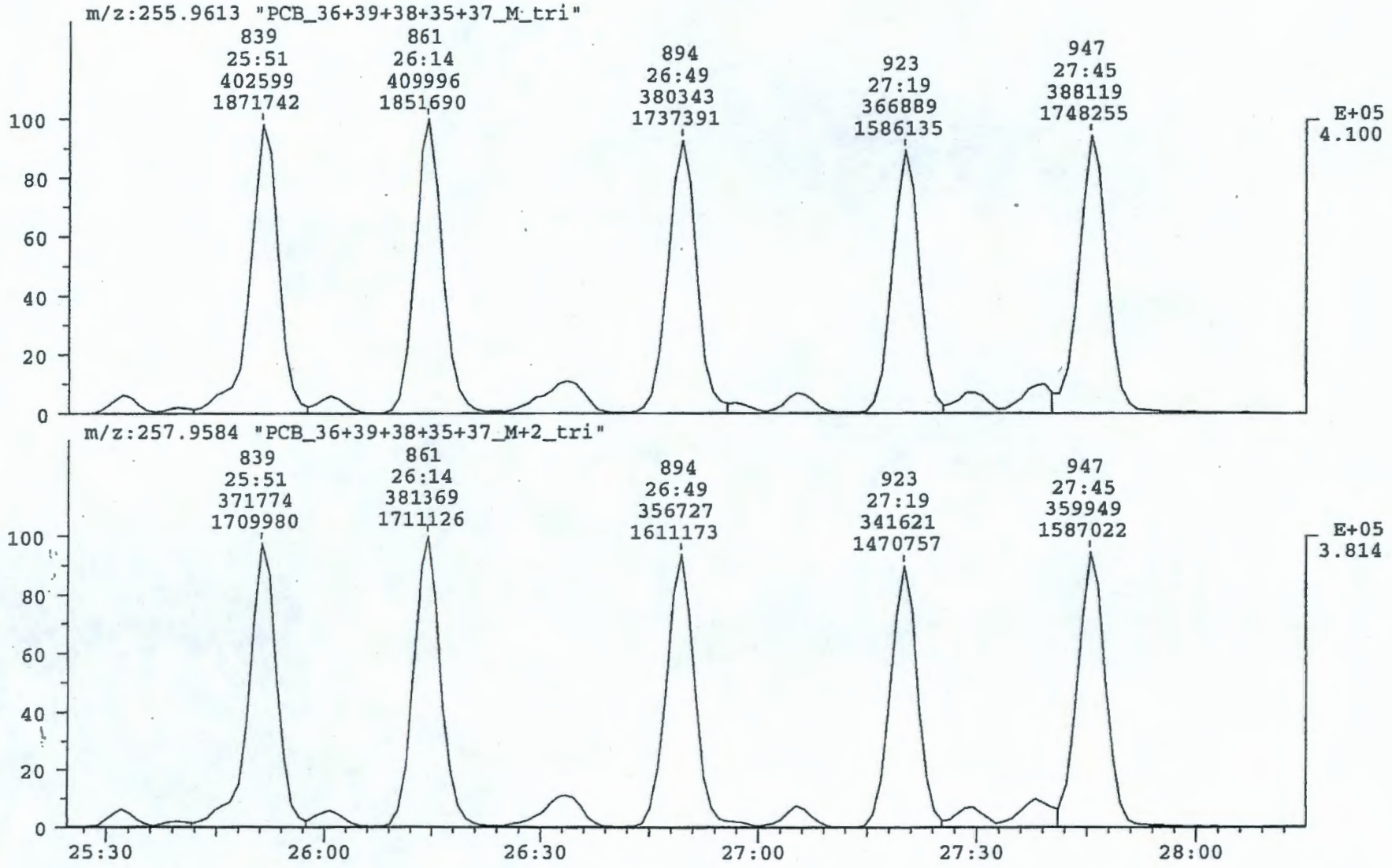
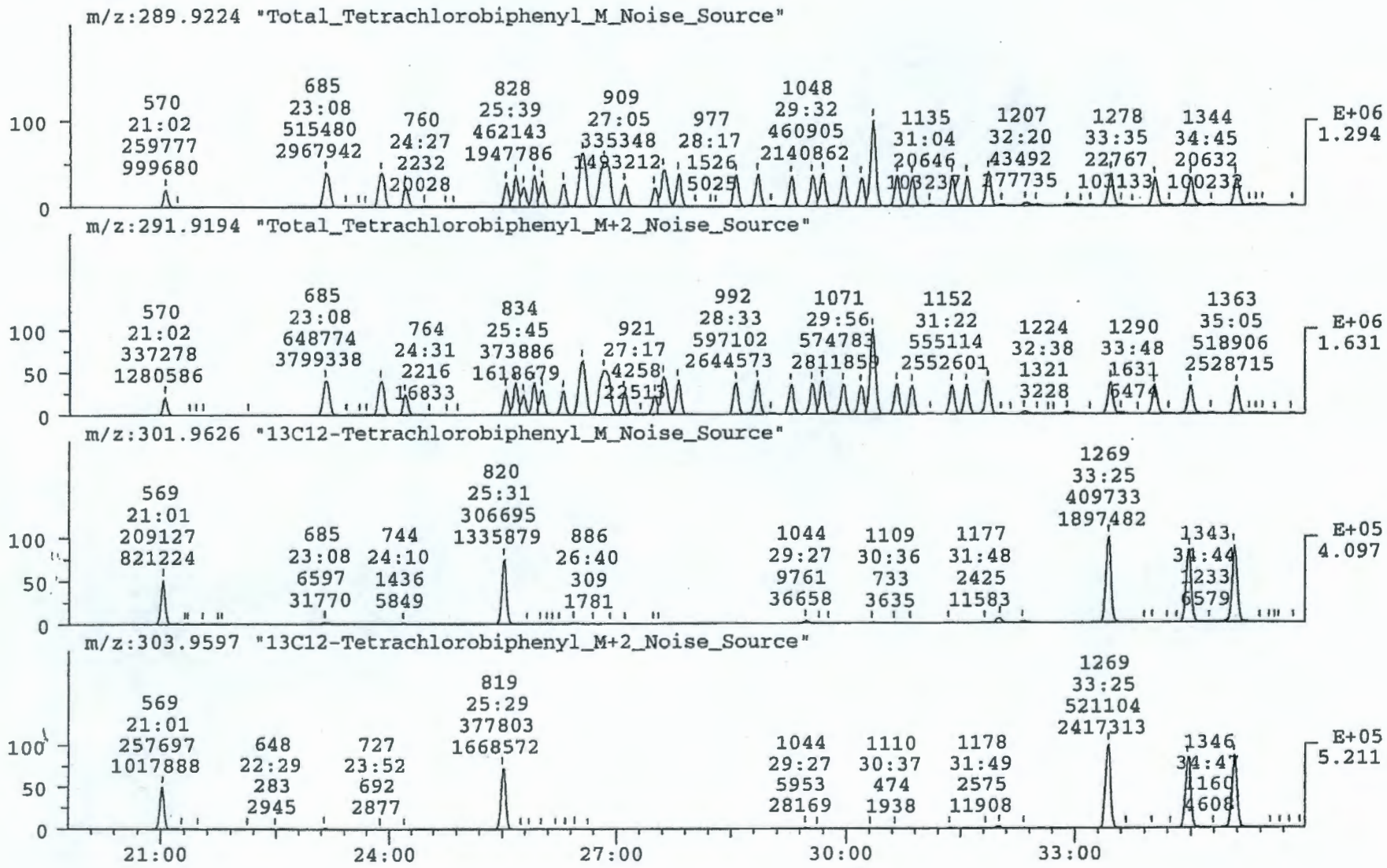
CHRO:  a070313ss                                14-Mar-07  Elapse:  23:54.7     729
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   654 > 774            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 8                Label :  -3, 3.0
Disp:  Height  Area
```



CHRO: a070313ss 14-Mar-07 Elapse: 26:54.5 899
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 814 > 975 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 1 Label : -3, 3.0
Disp: Height Area



CHRO: a070313ss 14-Mar-07 Elapse: 27:52.7 954
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 500 > 1414 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



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CHRO:  a070313ss                                14-Mar-07   Elapse:  23:19.8      696
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
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
```
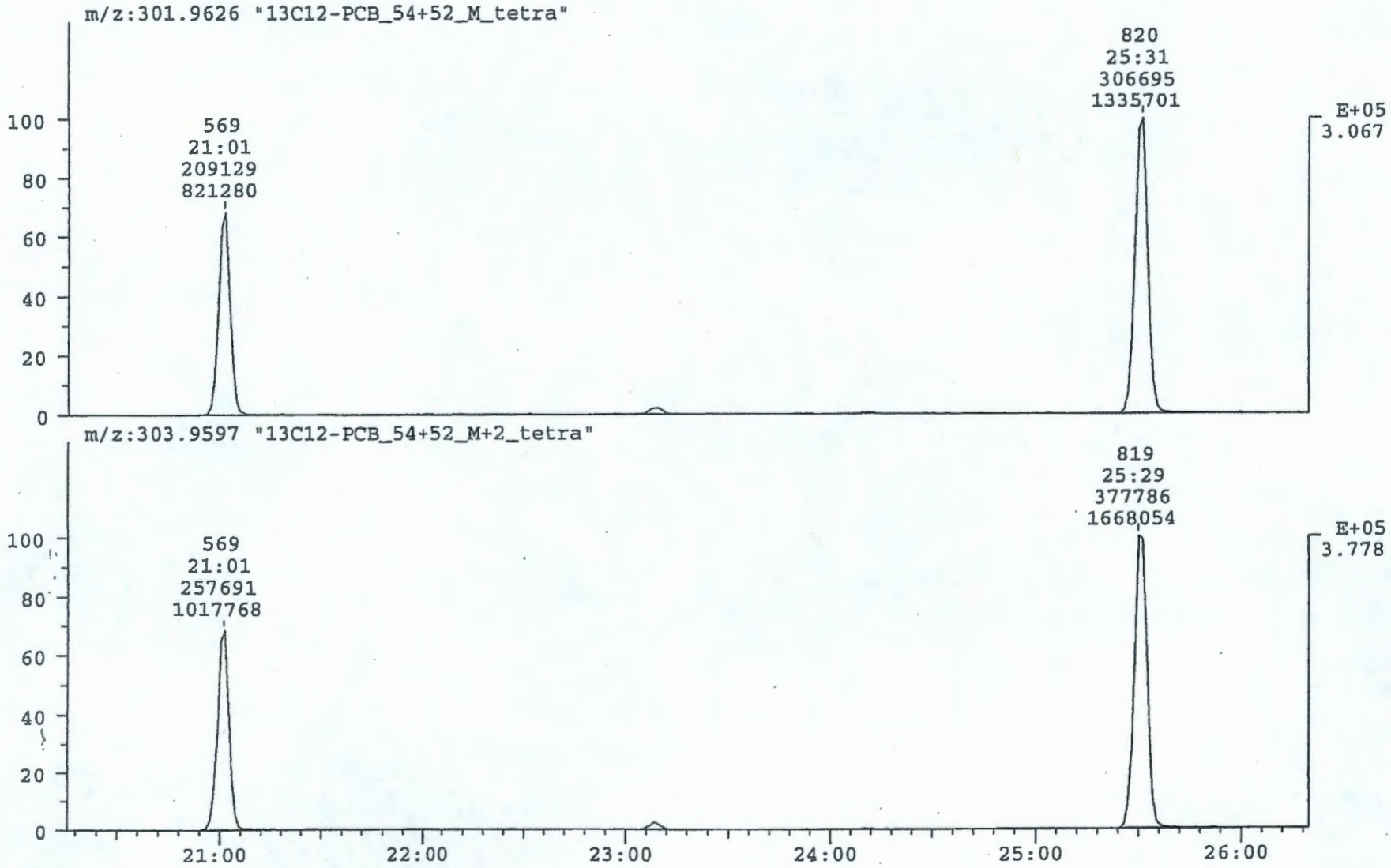
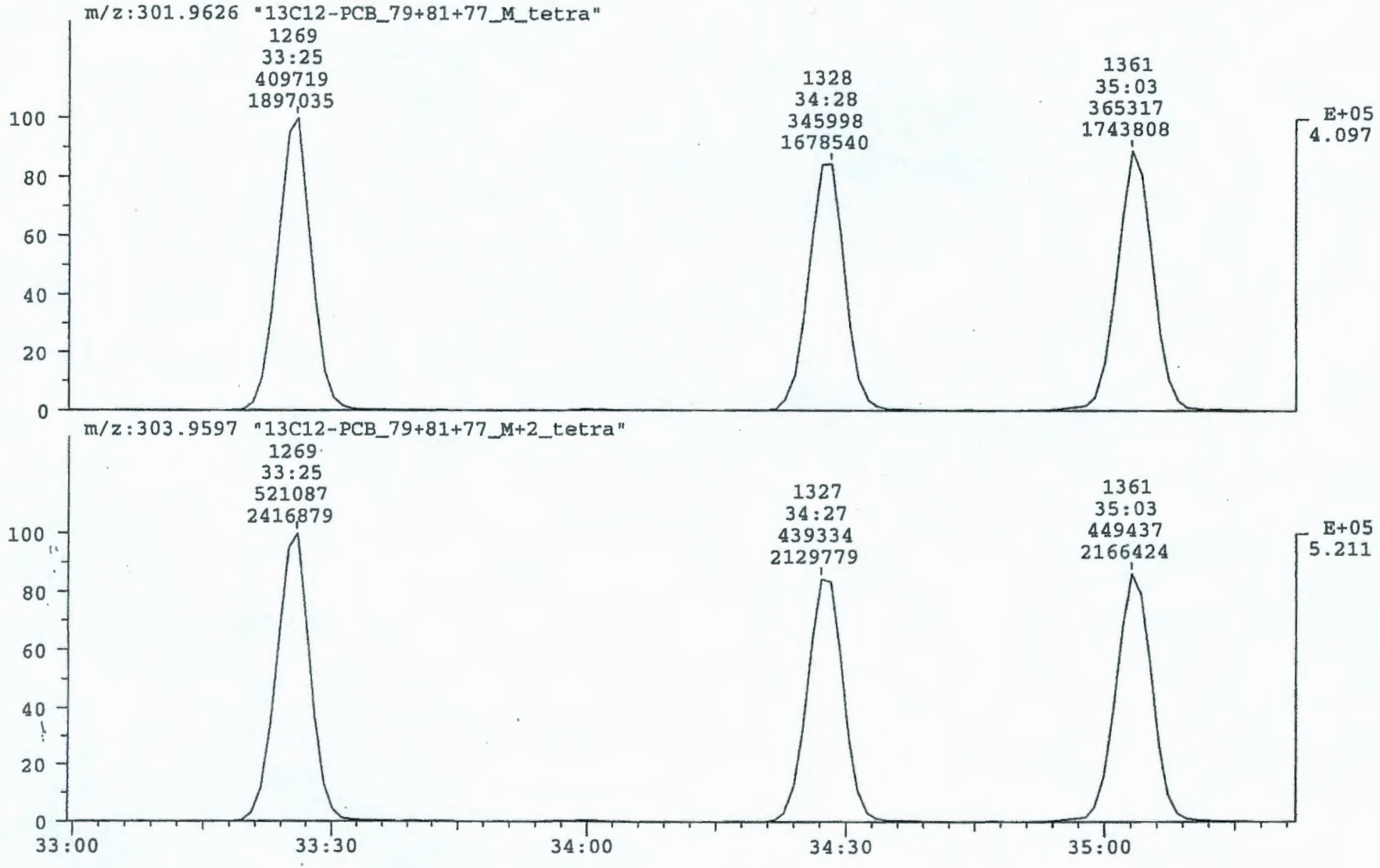



CHRO: a070313ss 14-Mar-07 Elapse: 34:13 1314
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1244 > 1379 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



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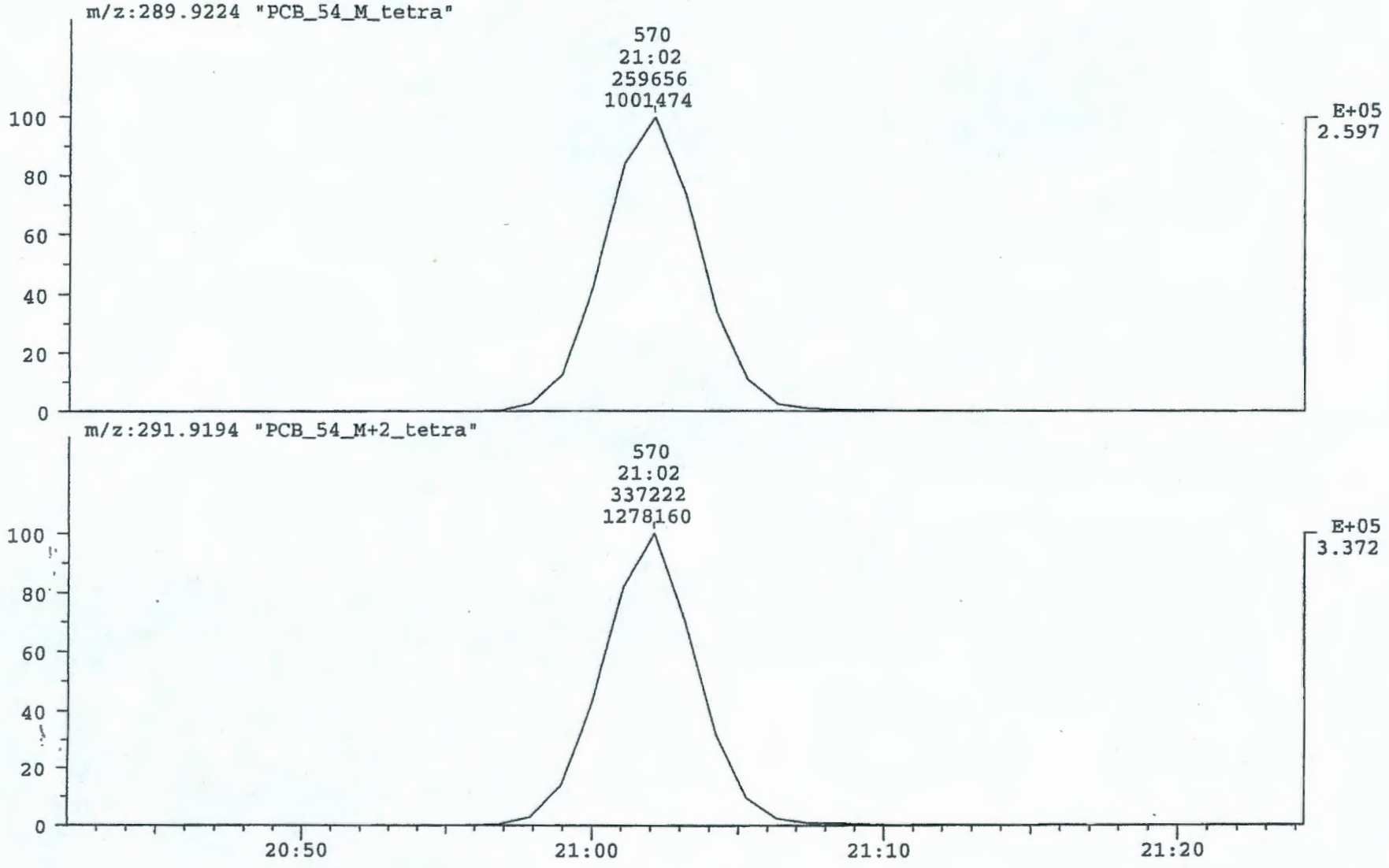
CHRO:  a070313ss                                14-Mar-07   Elapse:  21:03.1      571
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   551 > 591             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



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CHRO:  a070313ss                                14-Mar-07   Elapse:  23:50.4      725
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   657 > 783             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 9                Label :  -3, 3.0
Disp:  Height  Area
```
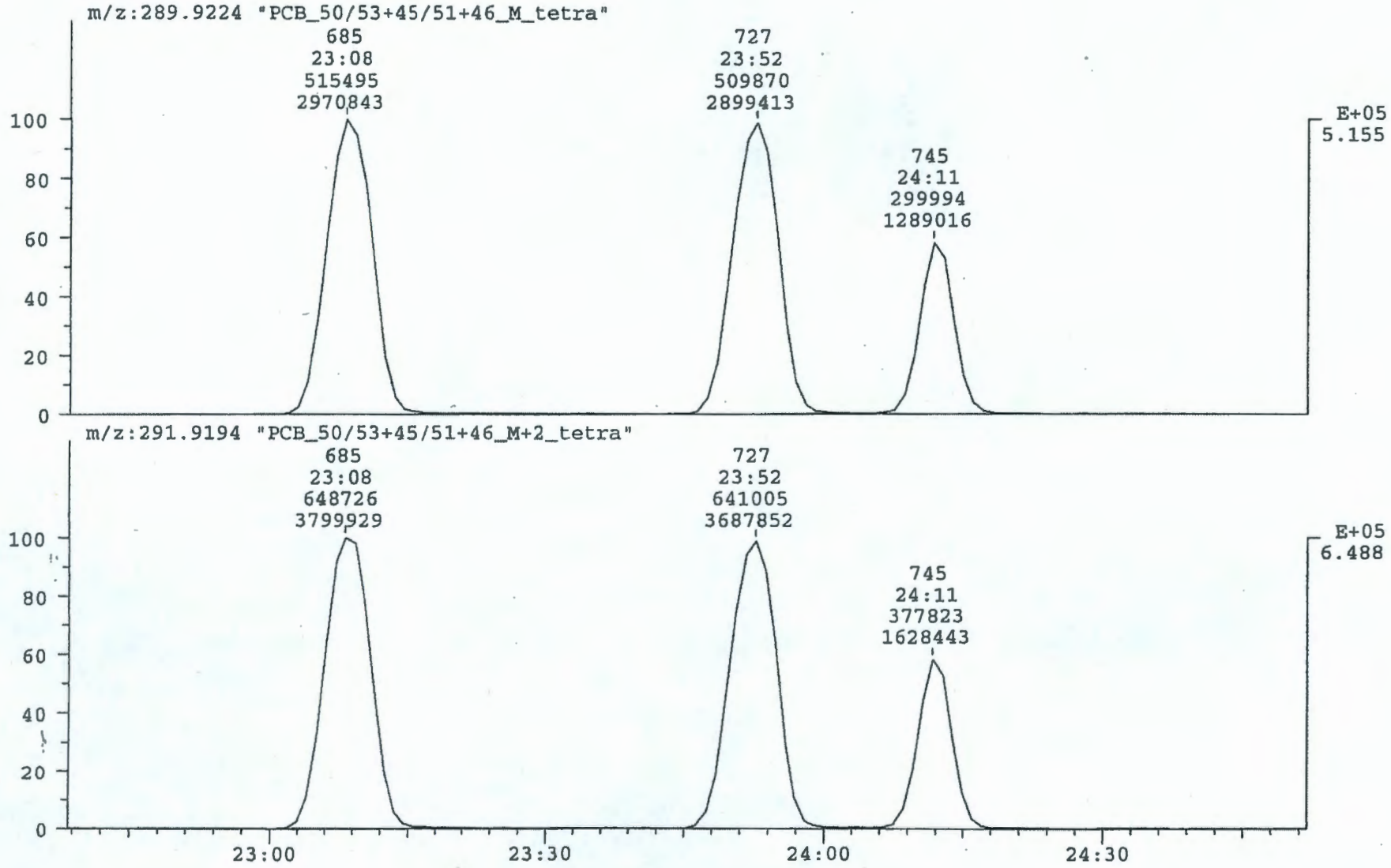
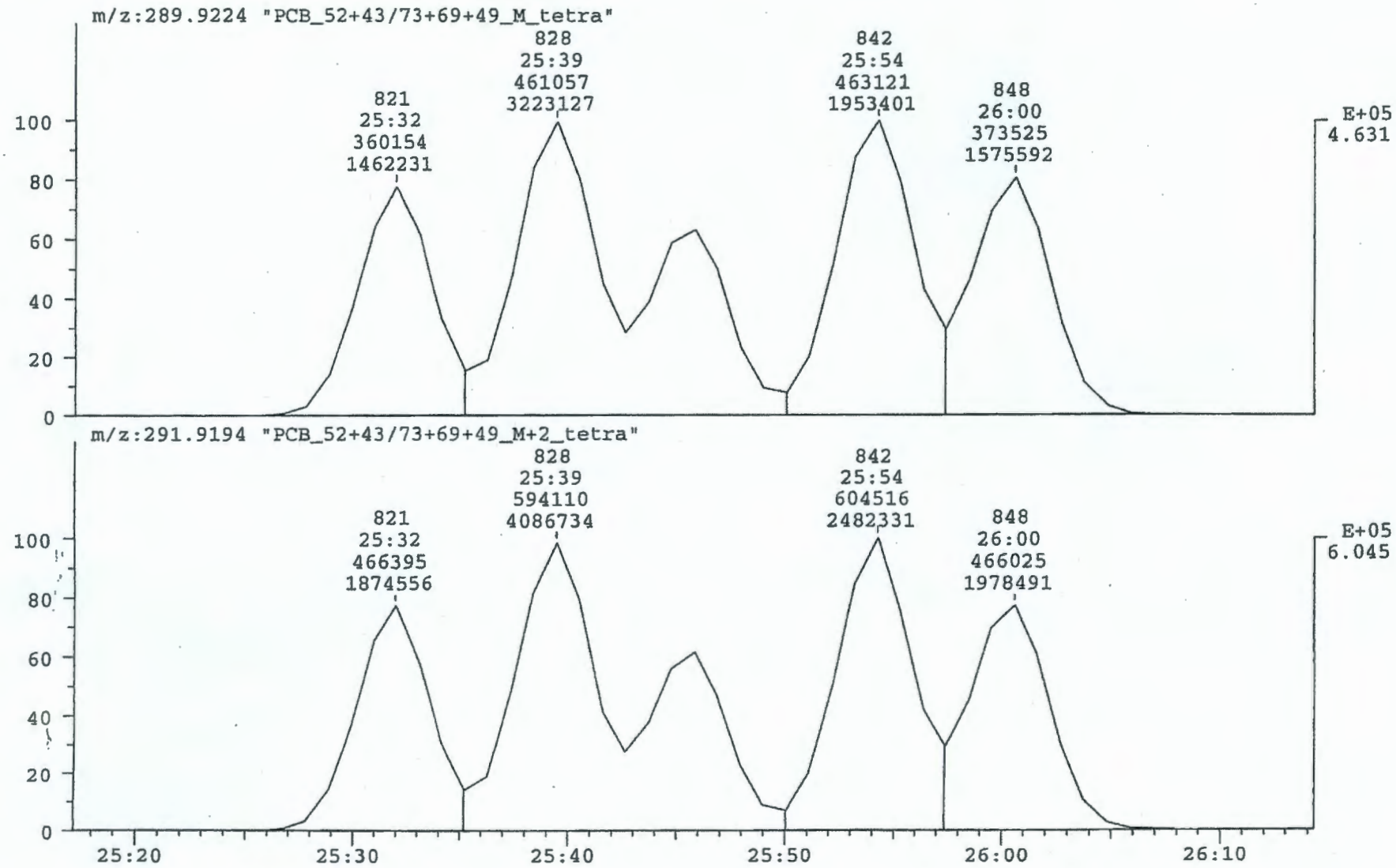
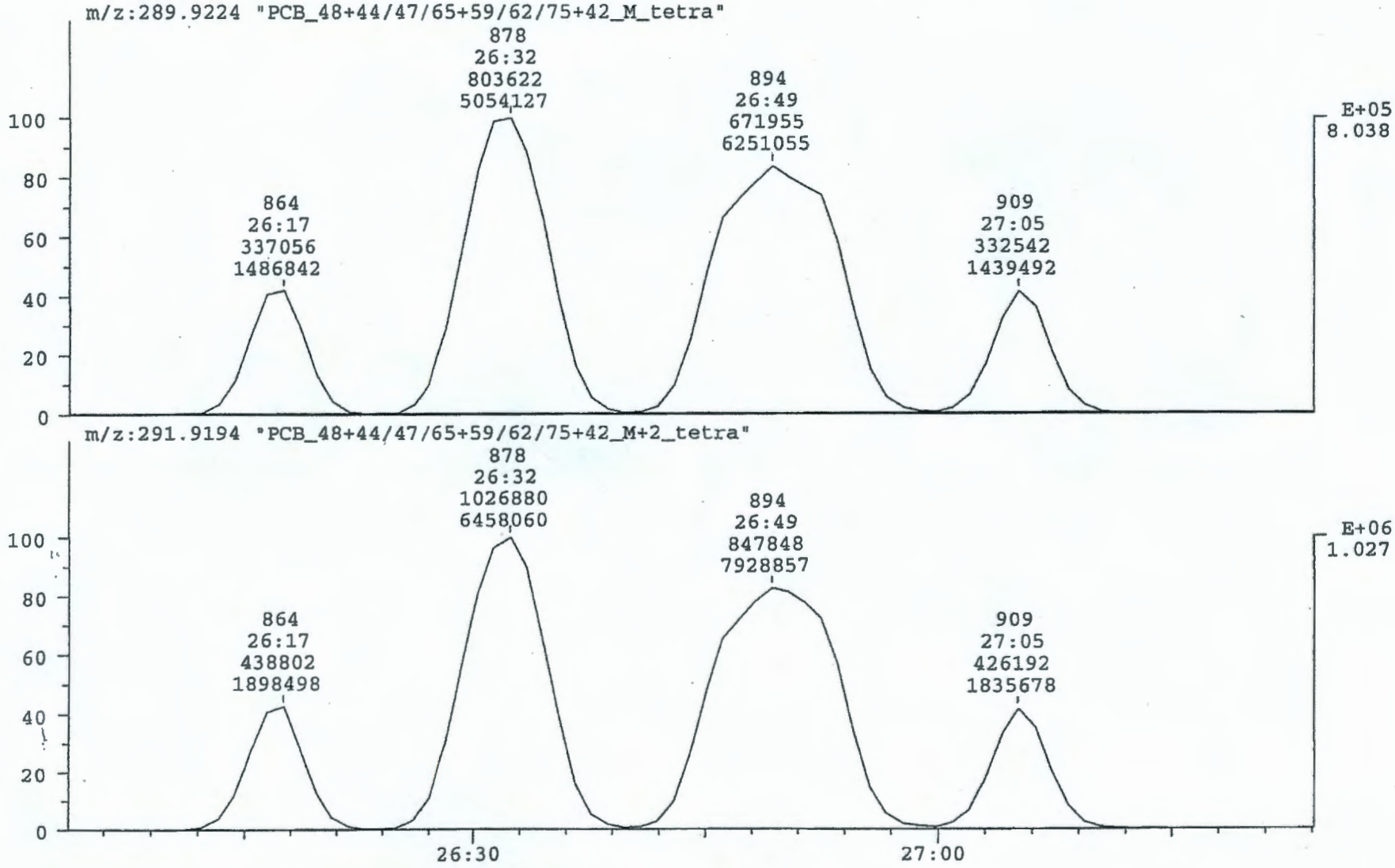



```
CHRO:  a070313ss                                14-Mar-07  Elapse:  25:52.1     840
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   9
Peak:  100.00  ppm     Label wndw:   807 > 861             Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 5                Label :  -3, 3.0
Disp:  Height  Area
```



CHRO: a070313ss 14-Mar-07 Elapse: 26:46.0 891
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 851 > 927 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



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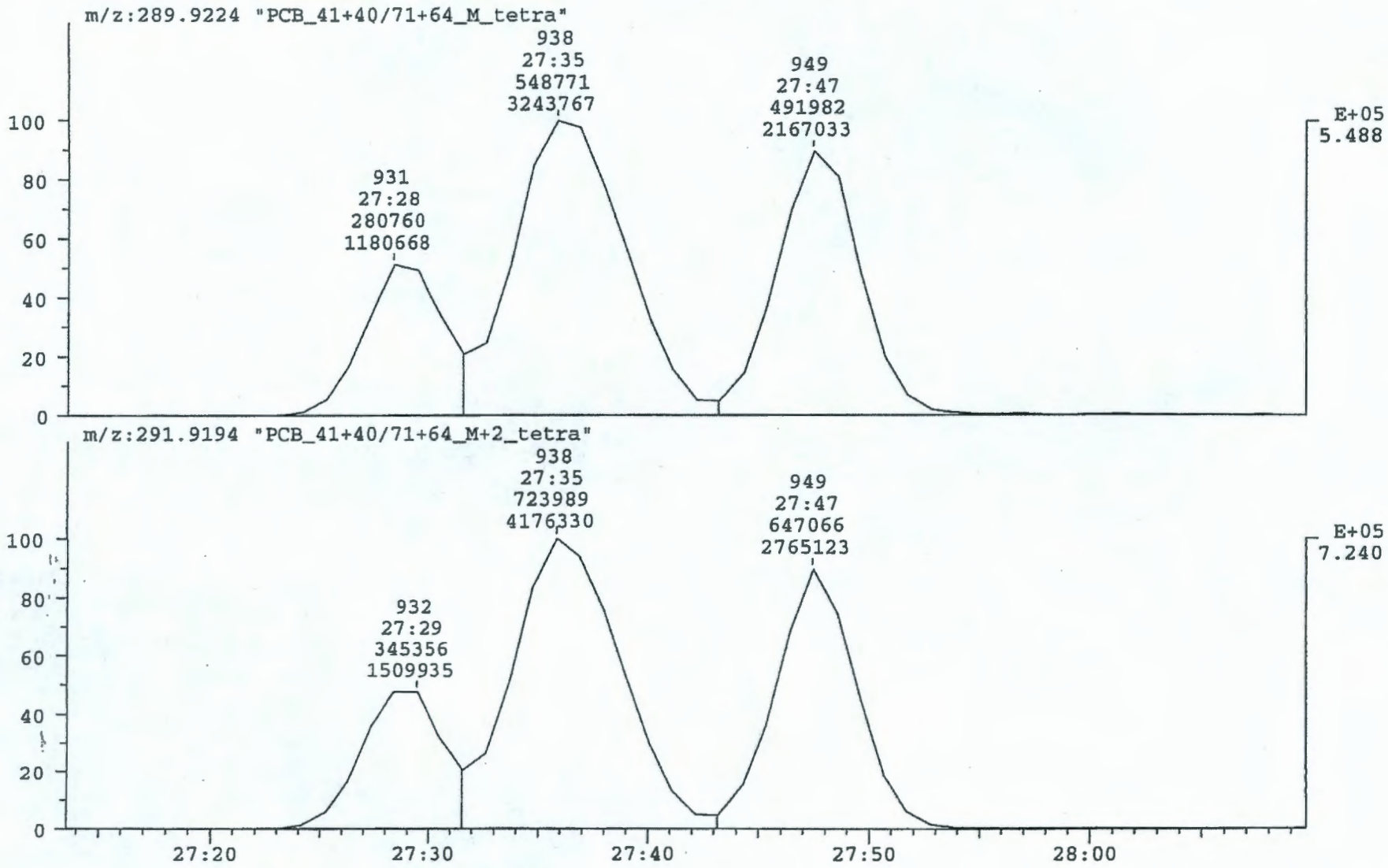
CHRO:  a070313ss                                14-Mar-07  Elapse:  27:47.4      949
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   917 > 970            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 2               Label :  -3, 3.0
Disp:  Height  Area
```



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CHRO:  a070313ss                                14-Mar-07   Elapse:  28:46      1005
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   980 > 1025            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 1                Label :  -3, 3.0
Disp:  Height  Area
```
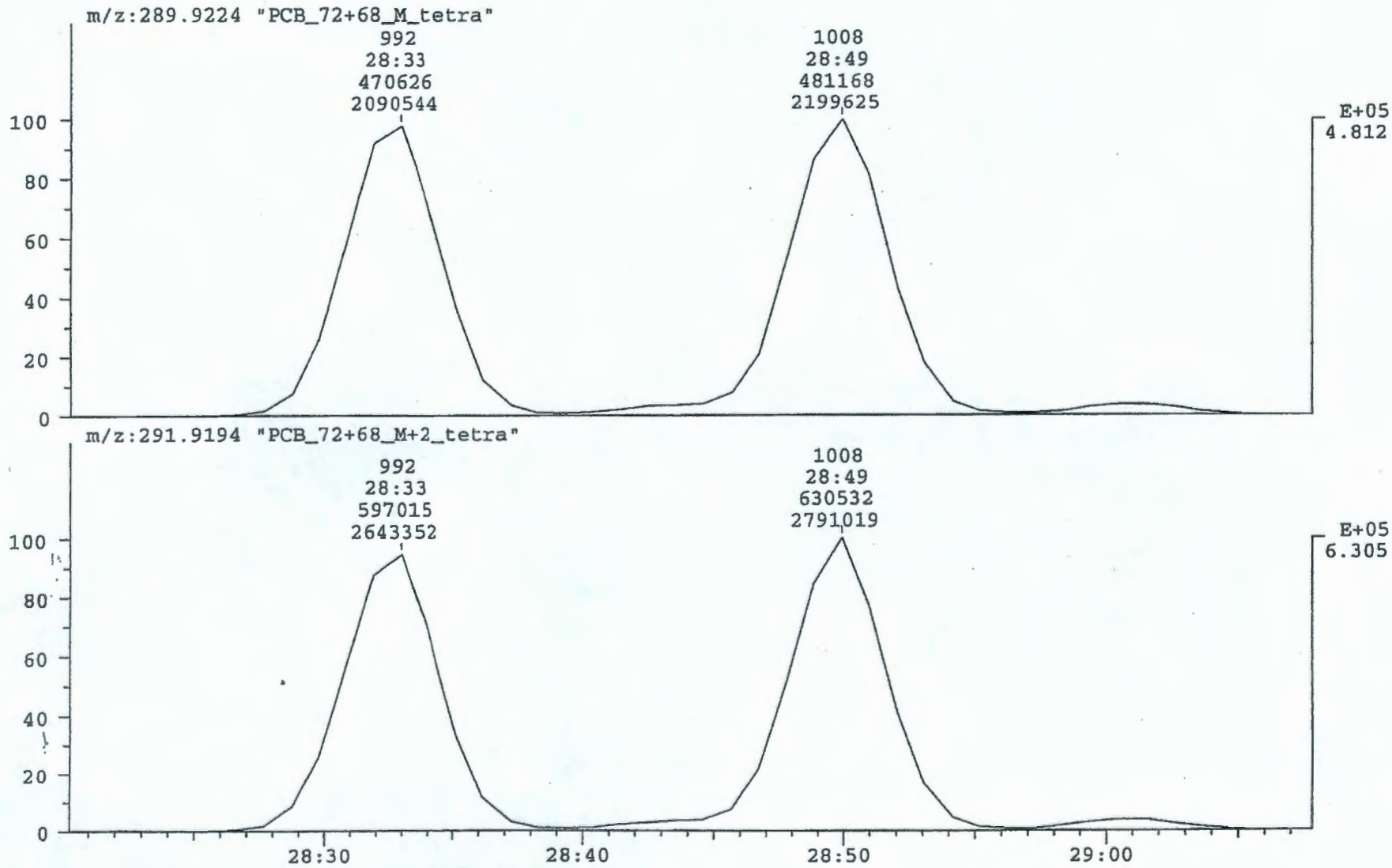
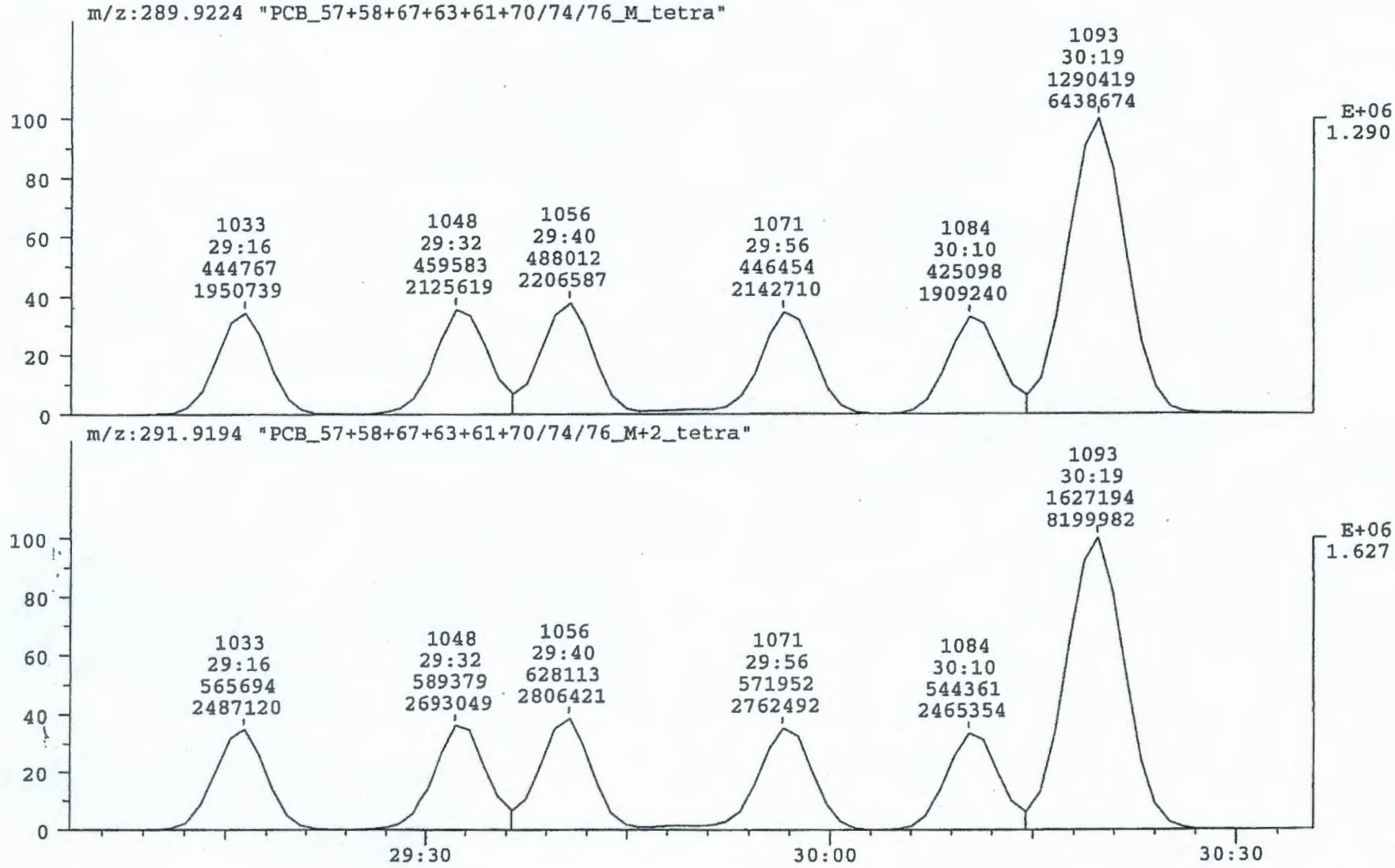
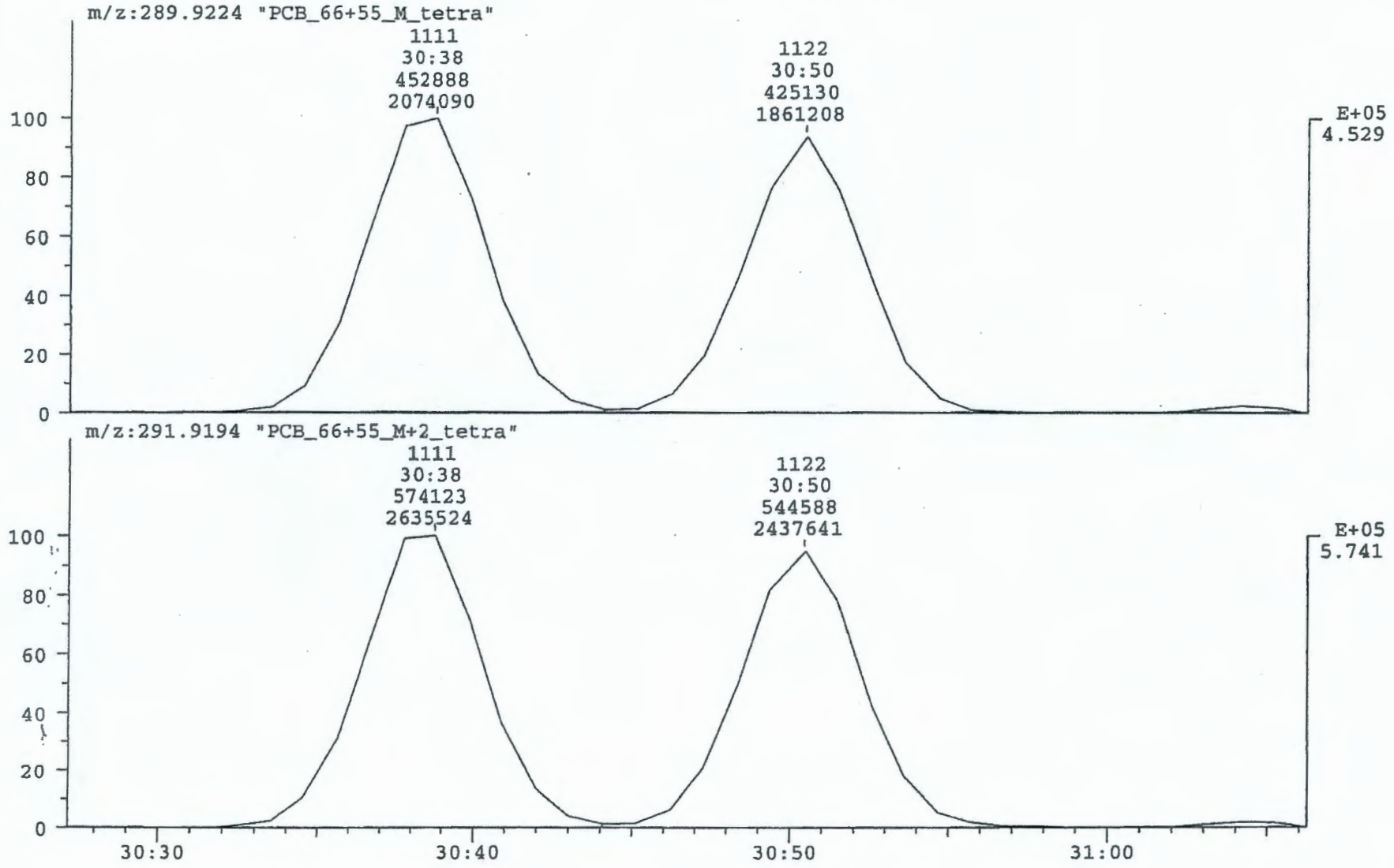



CHRO: a070313ss 14-Mar-07 Elapse: 29:53 1068
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1021 > 1108 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  a070313ss                                14-Mar-07   Elapse:  30:50      1122
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1100 > 1137           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



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CHRO:  a070313ss                              14-Mar-07   Elapse:  31:41      1170
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                   Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm     Label wndw:   1132 > 1200          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
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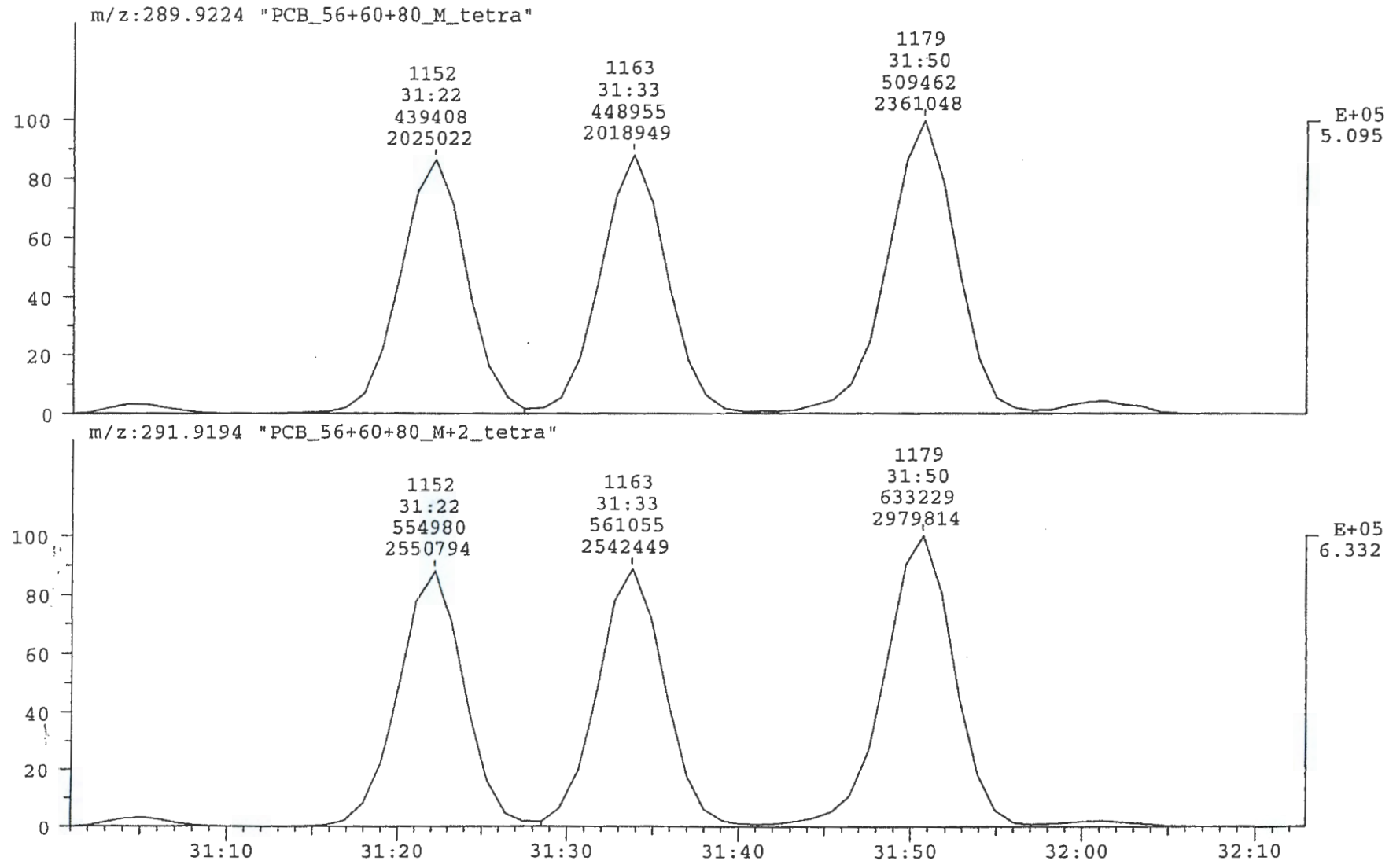
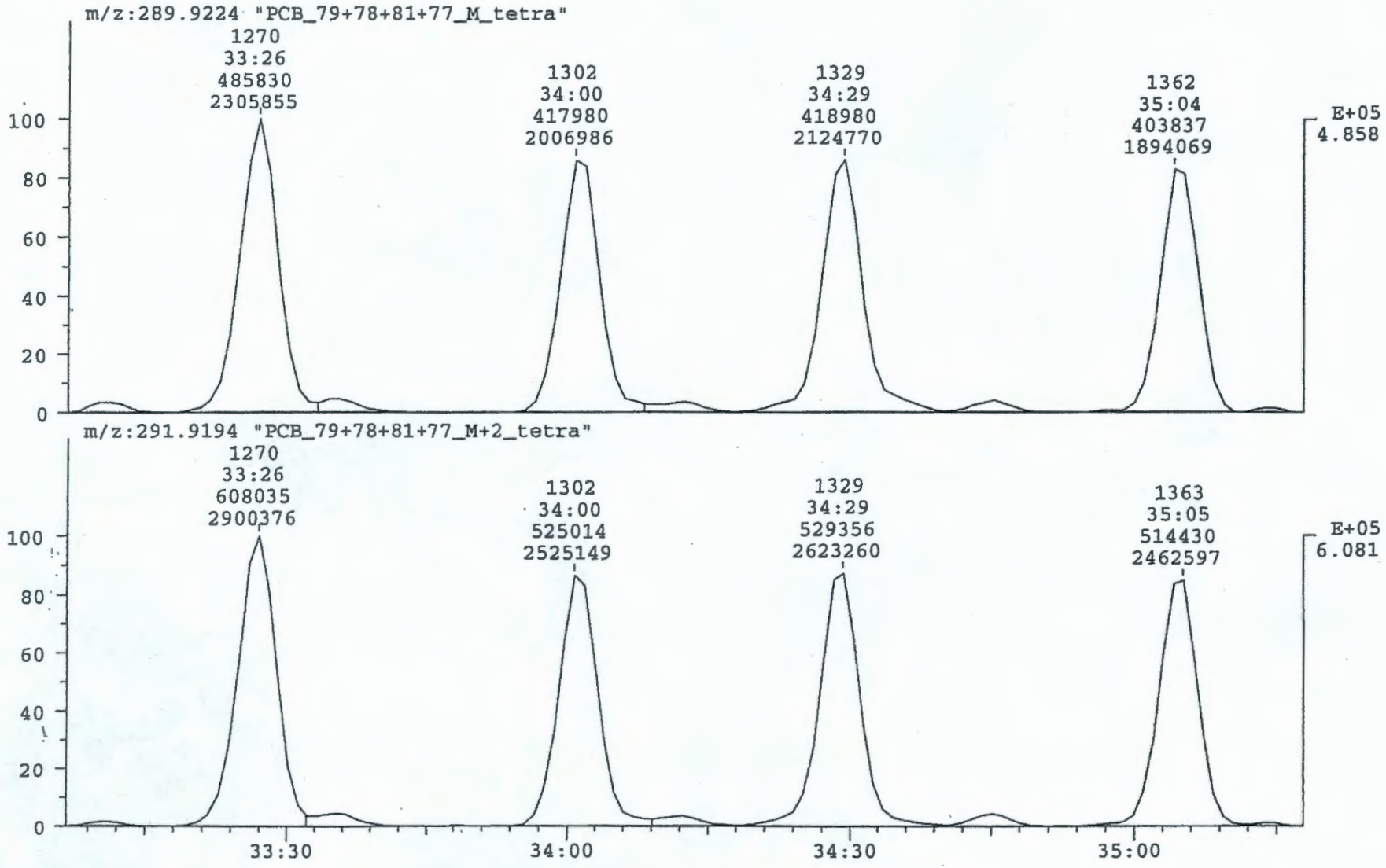
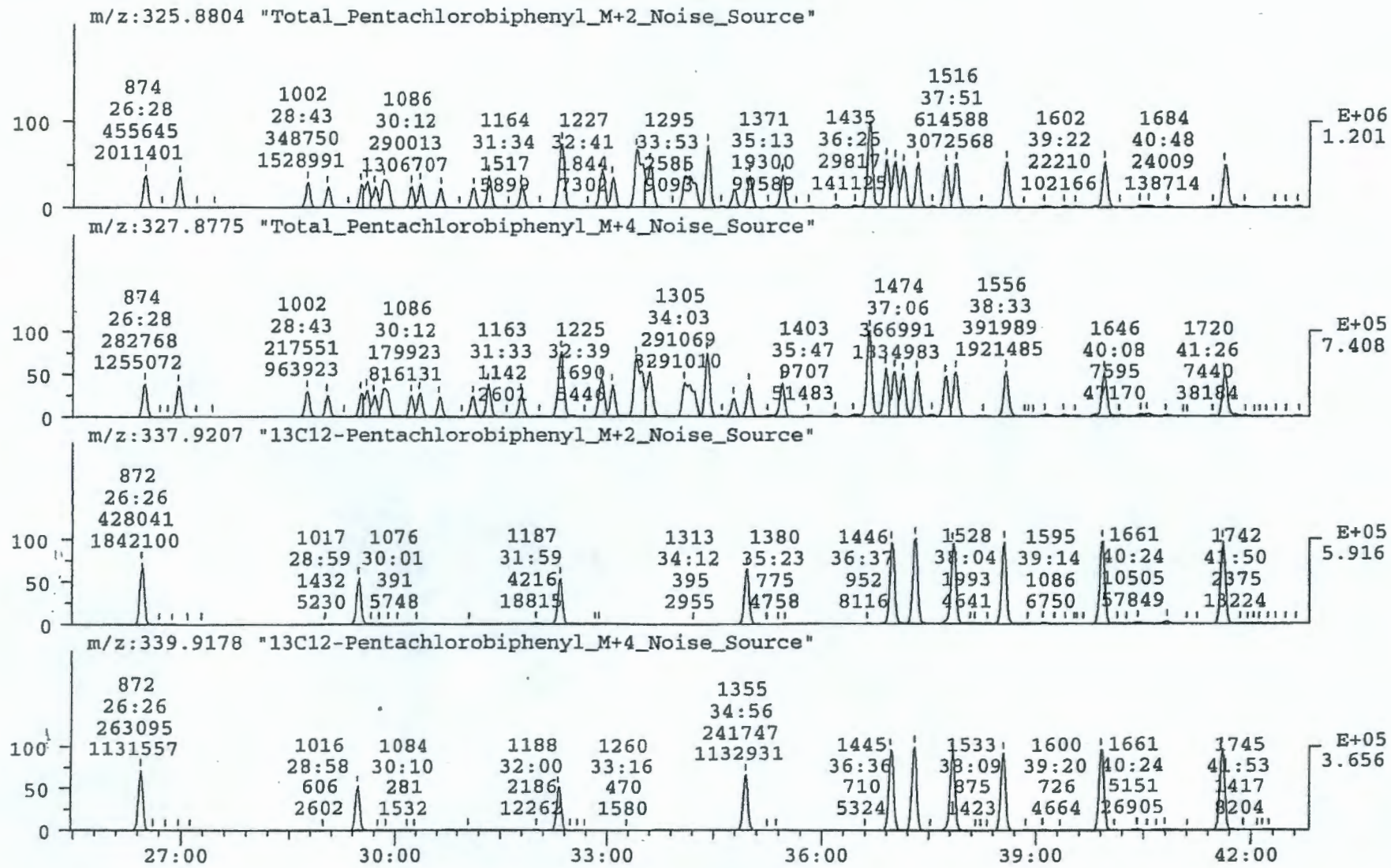


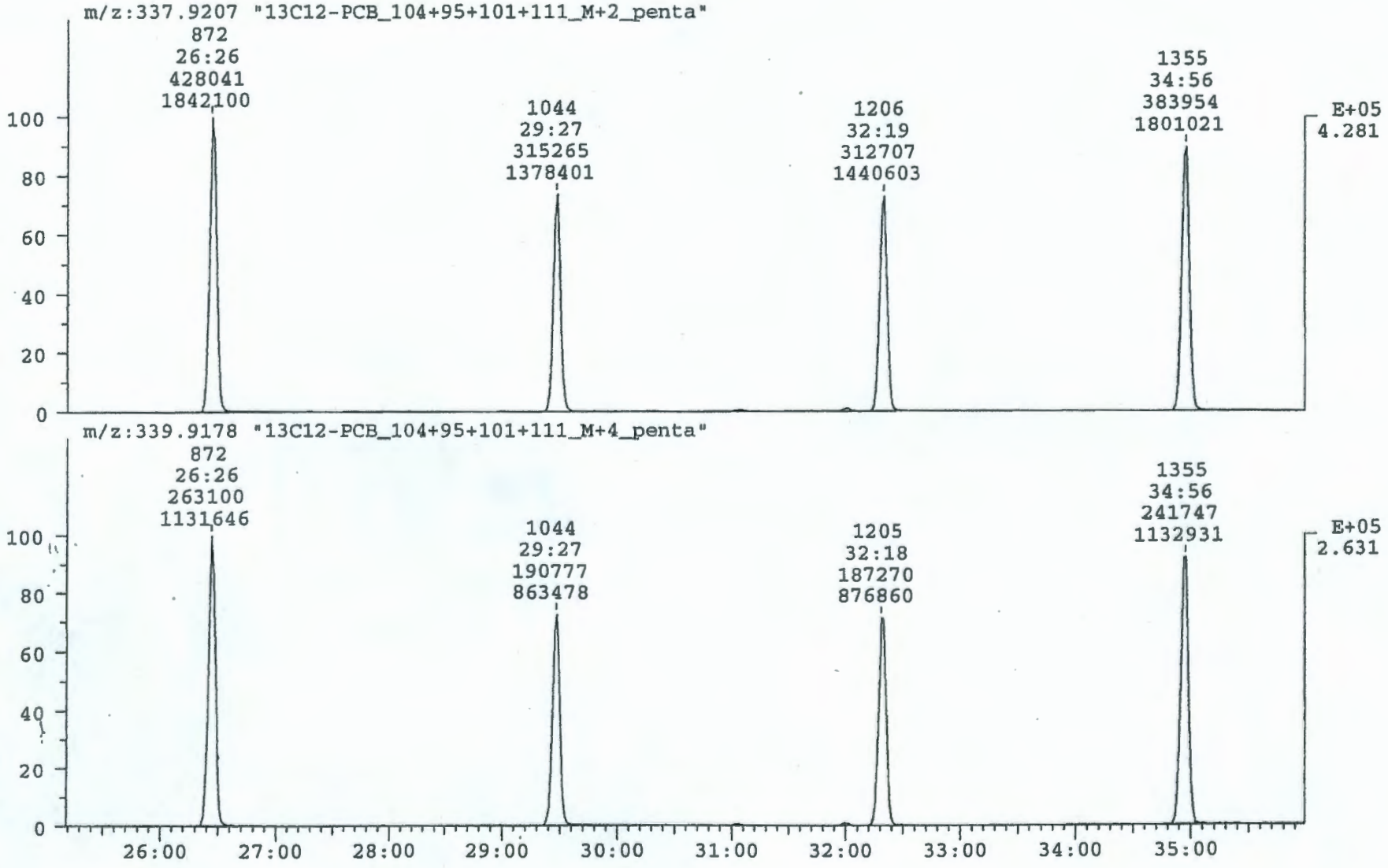
CHRO: a070313ss 14-Mar-07 Elapse: 34:14 1315
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1251 > 1375 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 1 Label : -3, 3.0
Disp: Height Area



CHRO: a070313ss 14-Mar-07 Elapse: 34:08 1309
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
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: a070313ss 14-Mar-07 Elapse: 30:34 1107
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 801 > 1414 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  a070313ss                                14-Mar-07  Elapse:  37:50      1515
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   9
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
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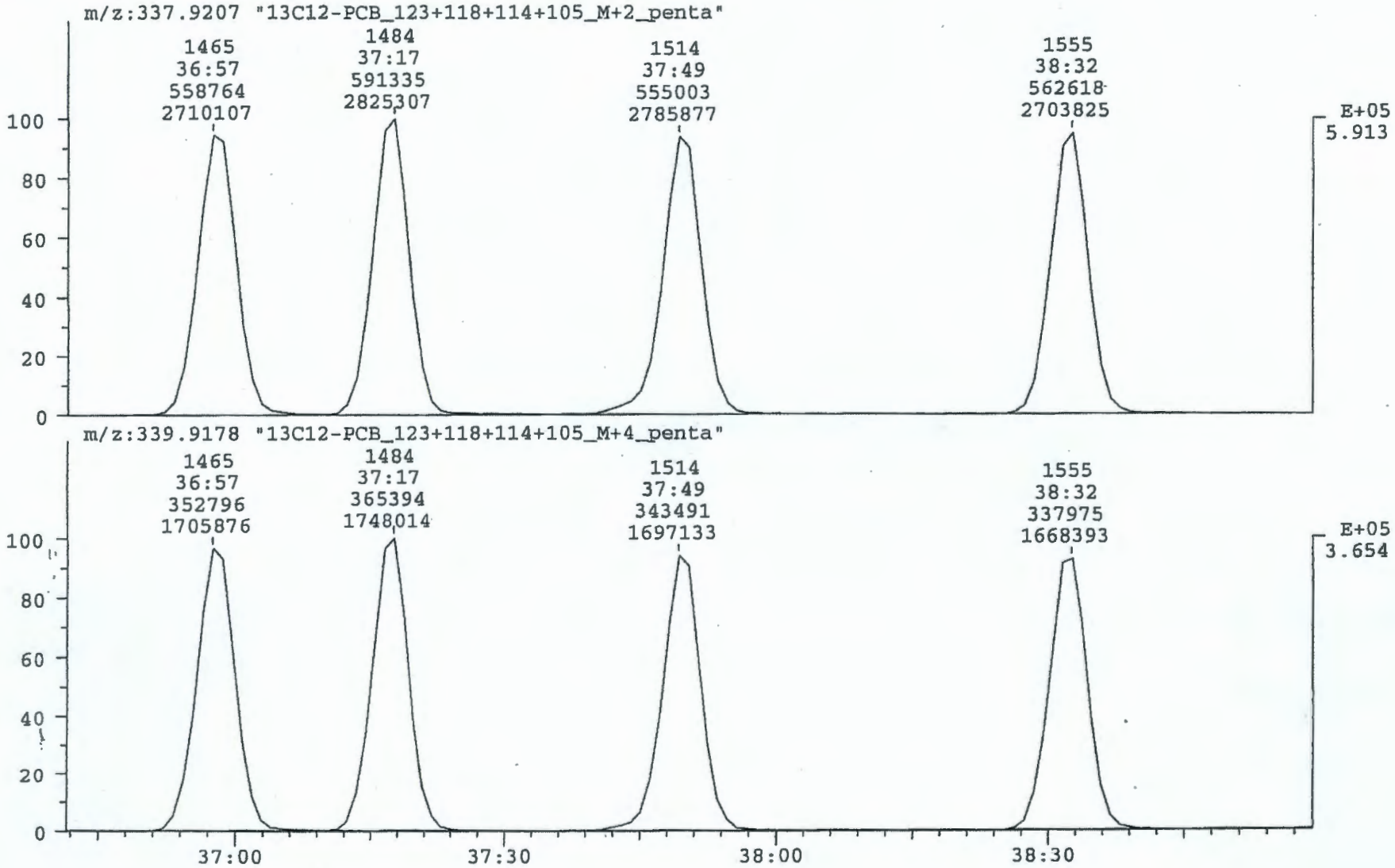
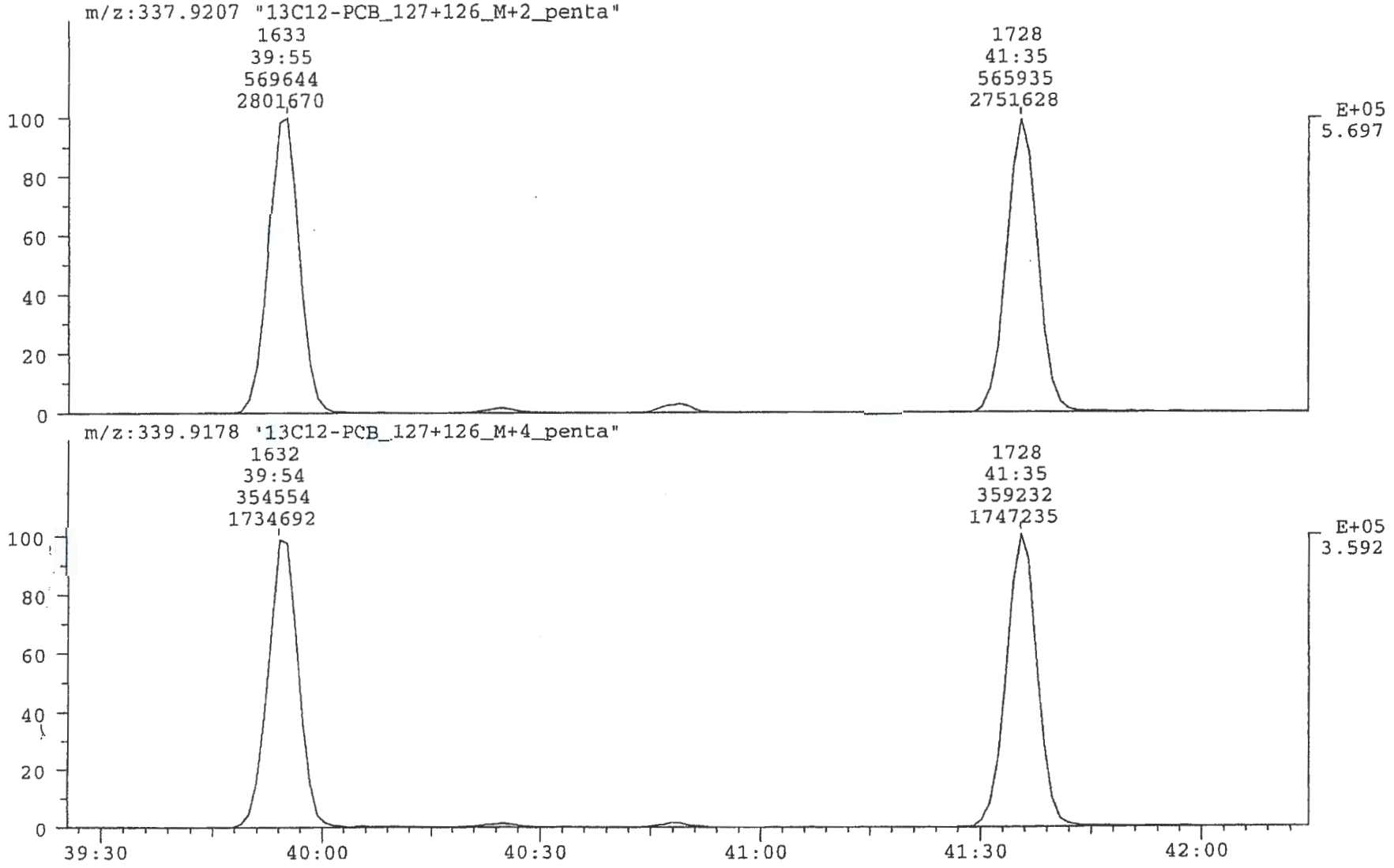


```
CHRO:  a070313ss                                14-Mar-07   Elapse:  40:49      1685
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   9
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
```



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CHRO:  a070313ss                                14-Mar-07   Elapse:  26:47.2      892
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24    2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   842 > 942             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```

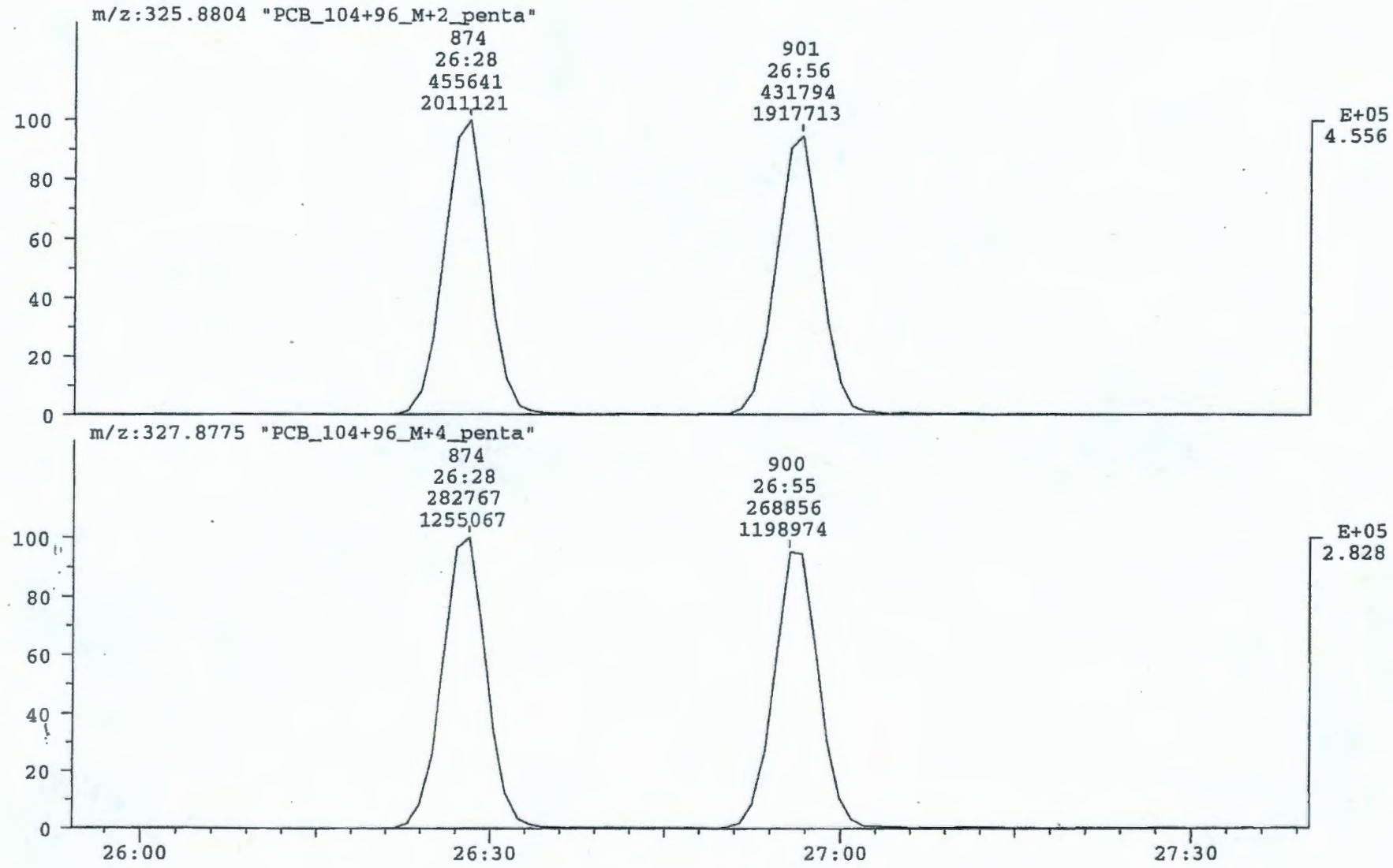

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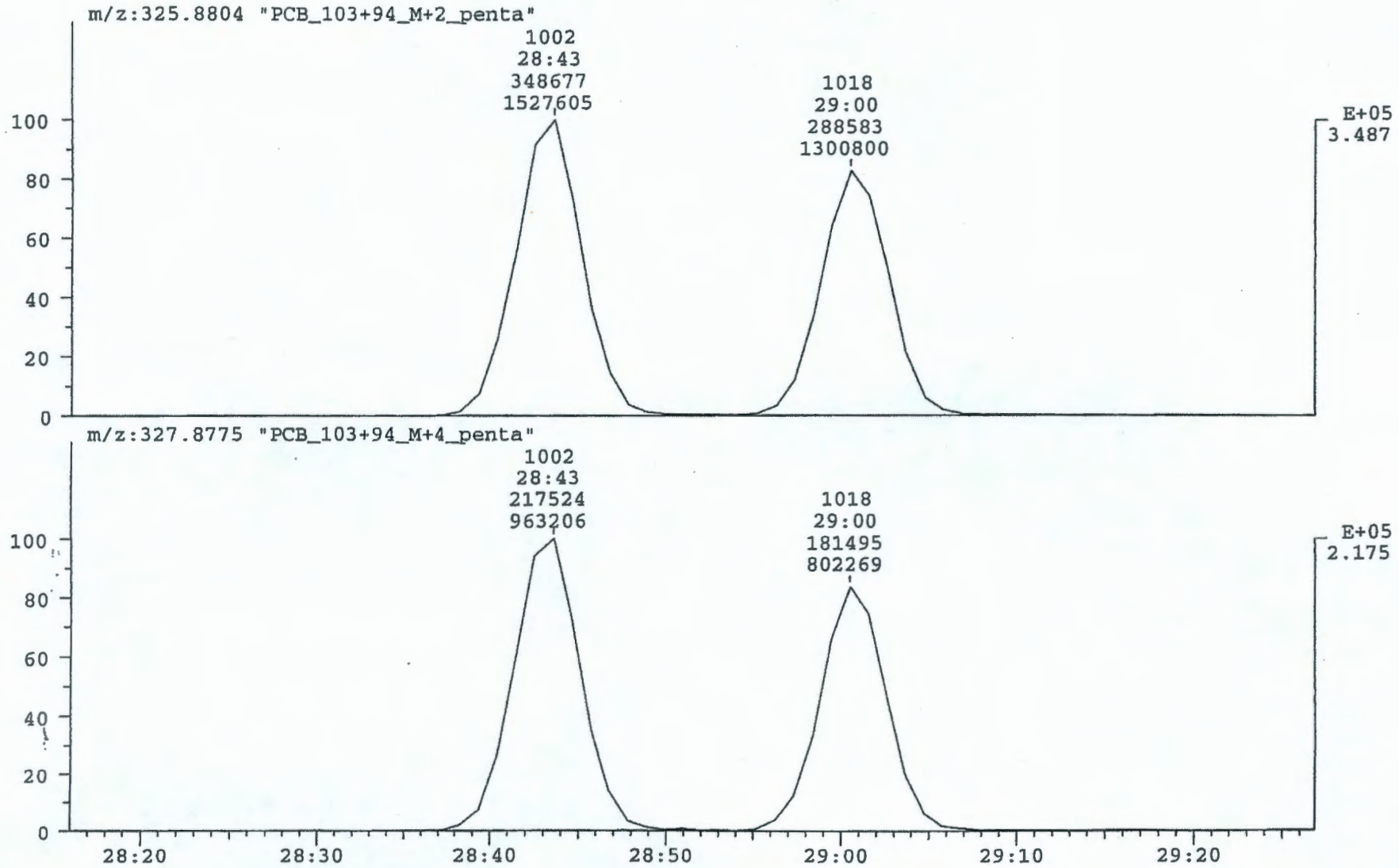
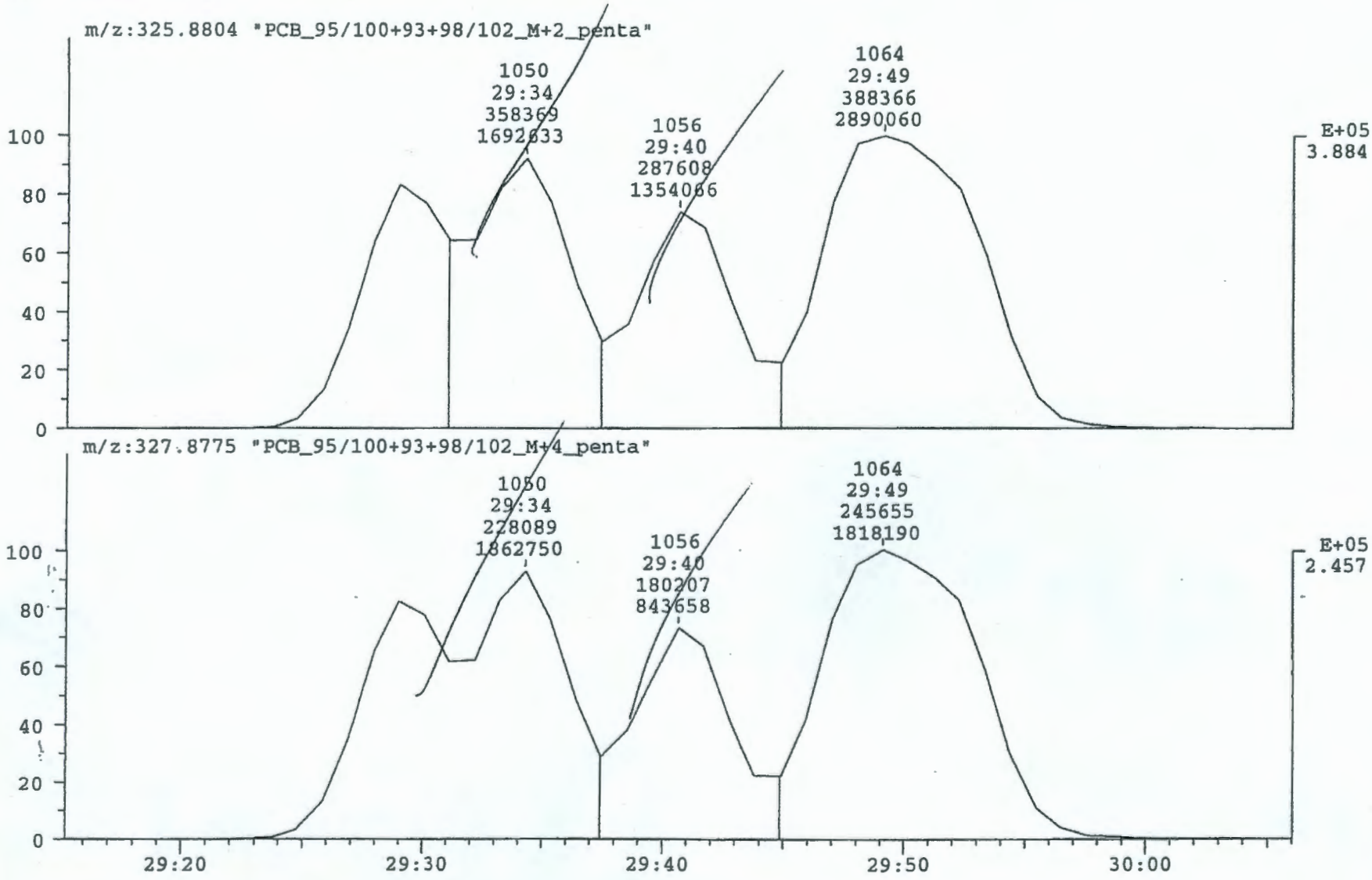
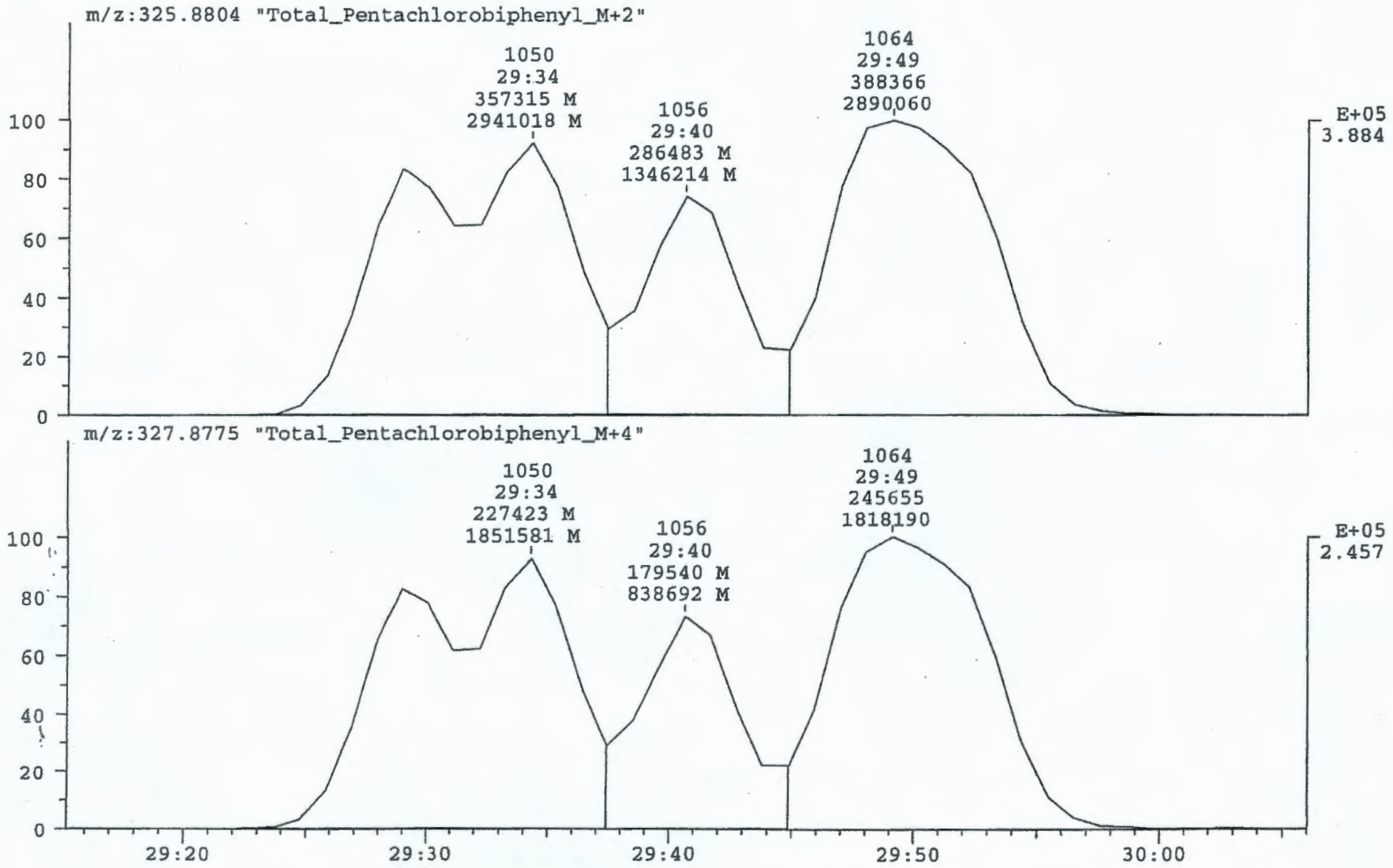
CHRO:  a070313ss                              14-Mar-07   Elapse:  28:58      1016
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                   Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   976 > 1043          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



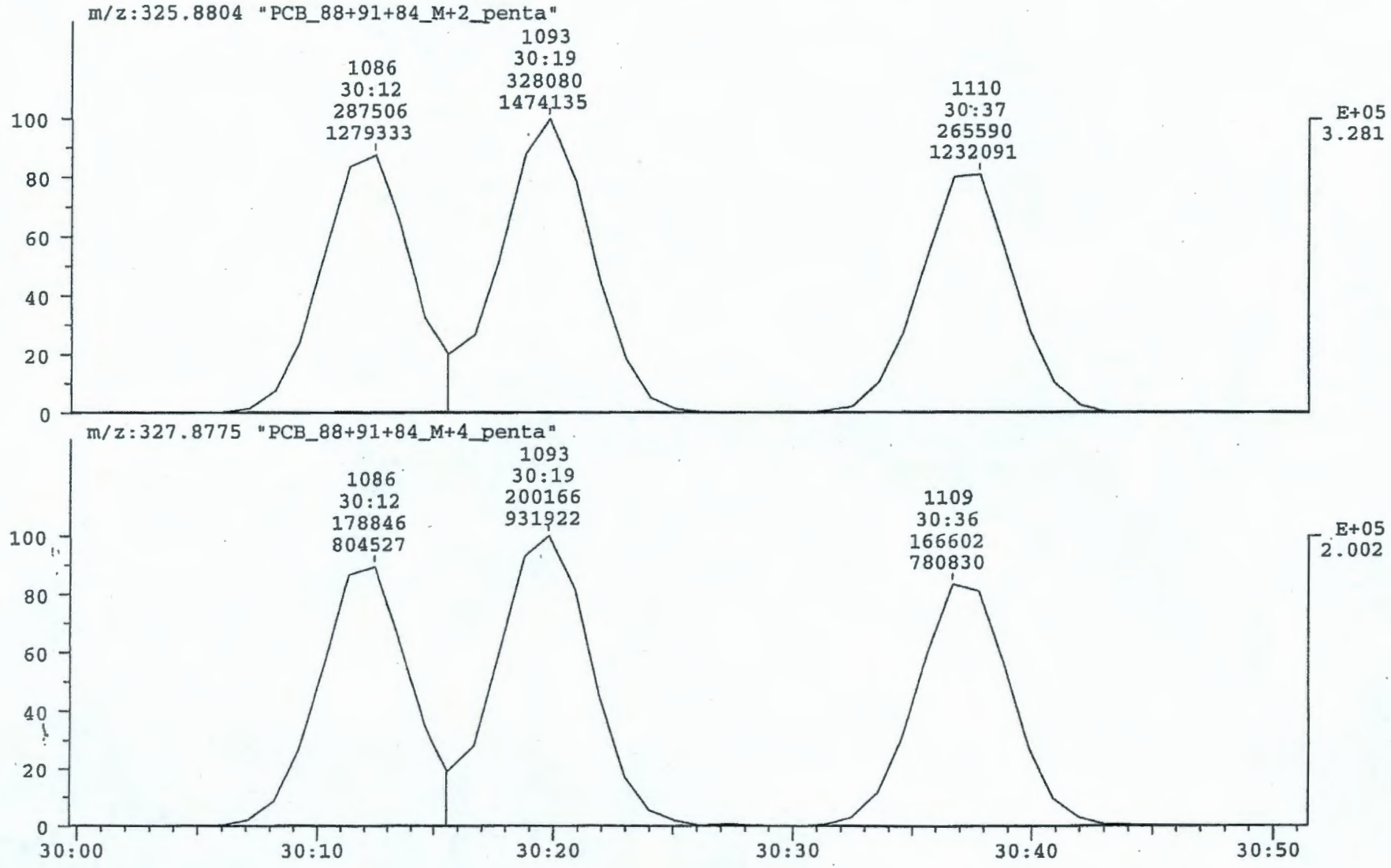
CHRO: a070313ss 14-Mar-07 Elapse: 29:43 1059
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1032 > 1080 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 4 Label : -3, 3.0
Disp: Height Area



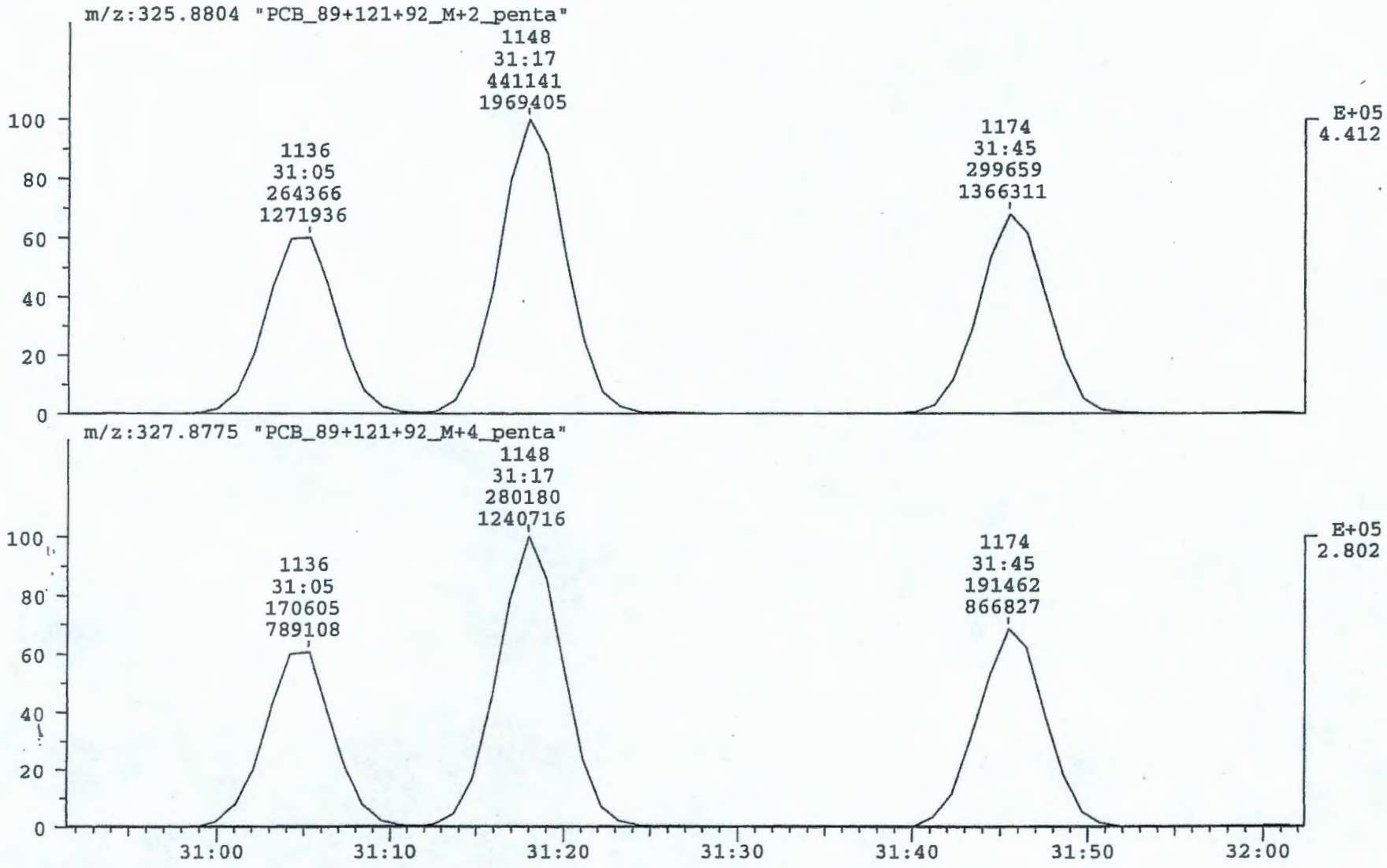
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  56:11      2554
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1032 > 1080          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 5                Label :  -3, 3.0
Disp:  Height  Area
```



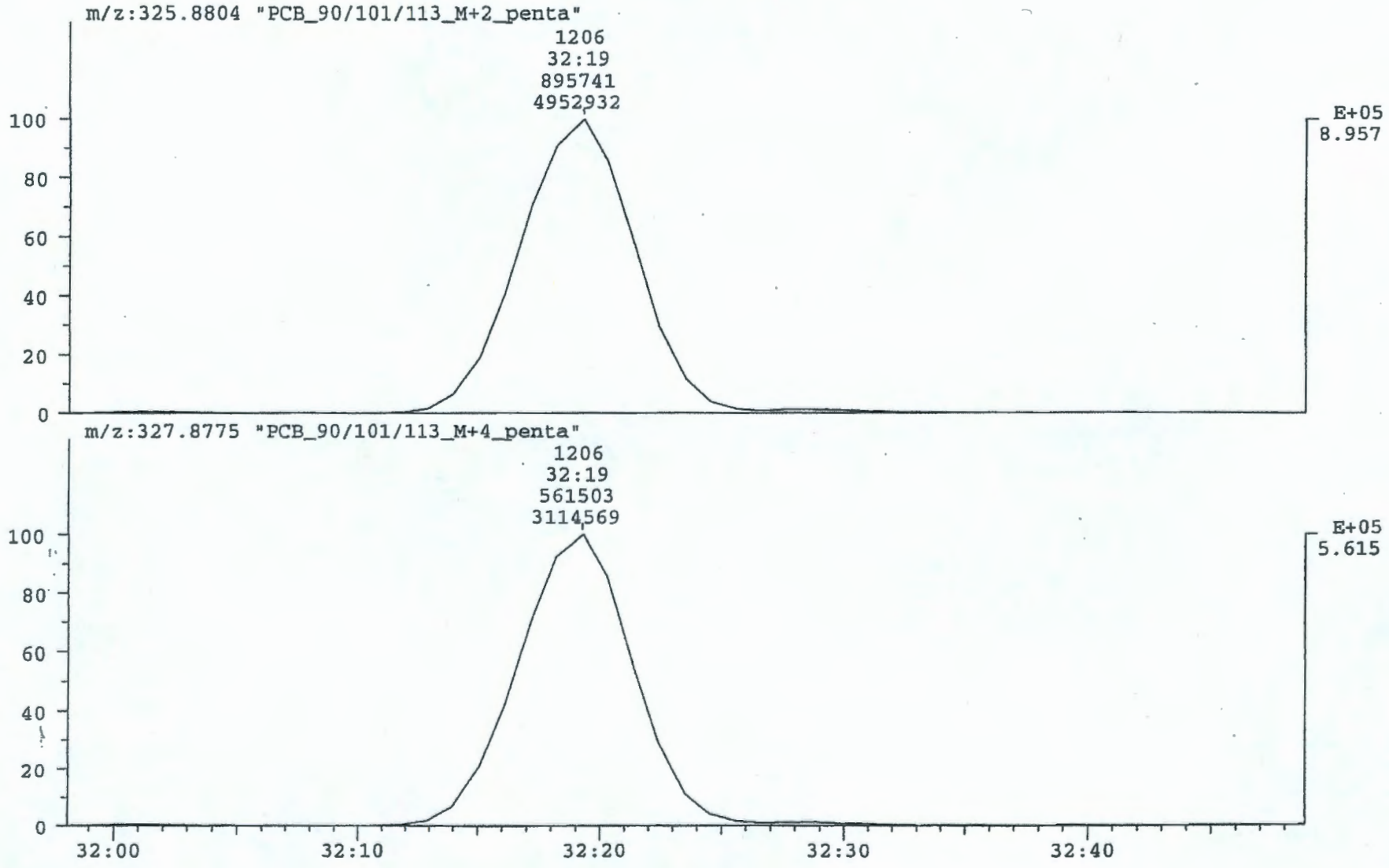
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  30:30      1103
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1074 > 1123          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 2                Label :  -3, 3.0
Disp:  Height  Area
```



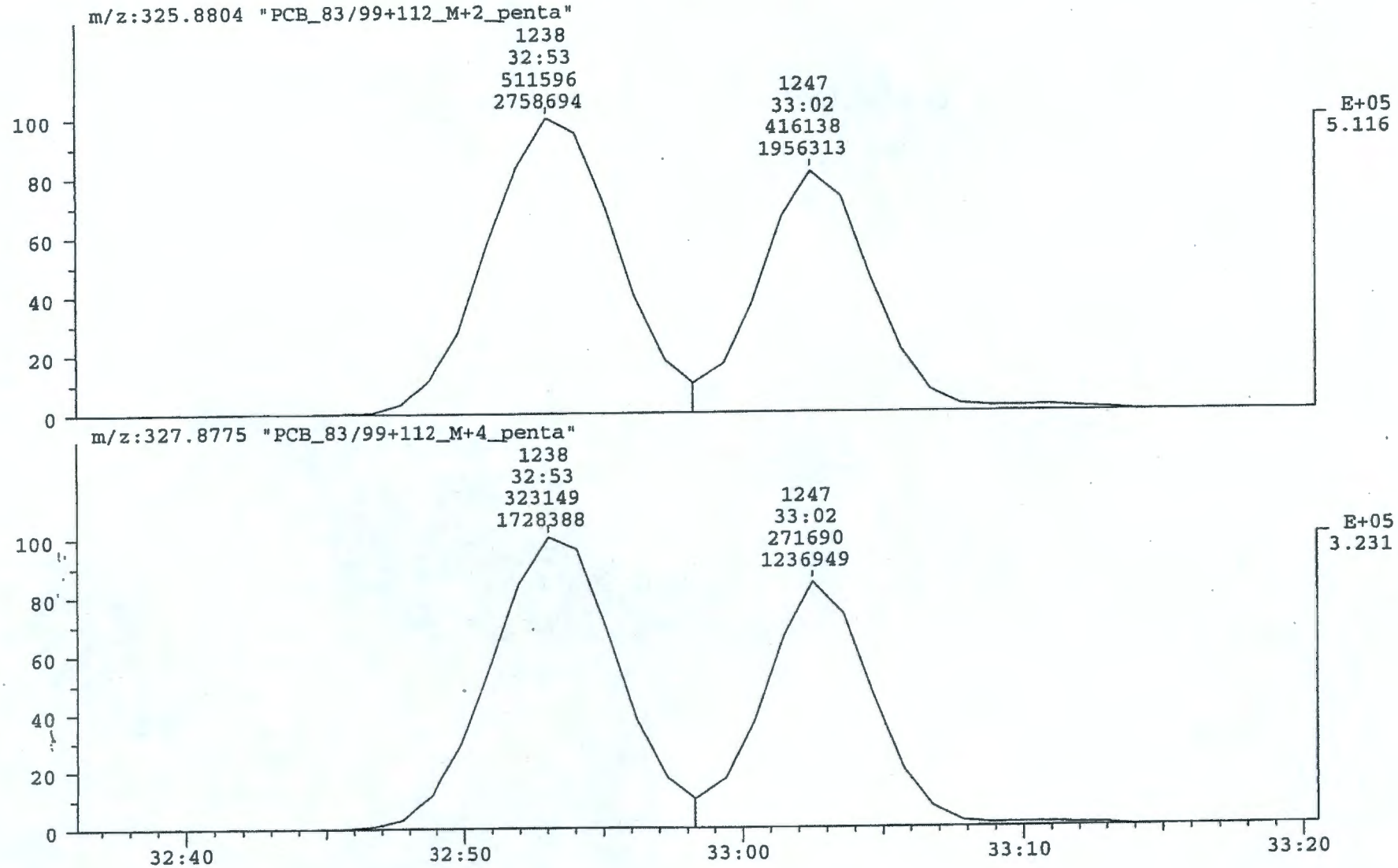
CHRO: a070313ss 14-Mar-07 Elapse: 31:30 1160
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1123 > 1190 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



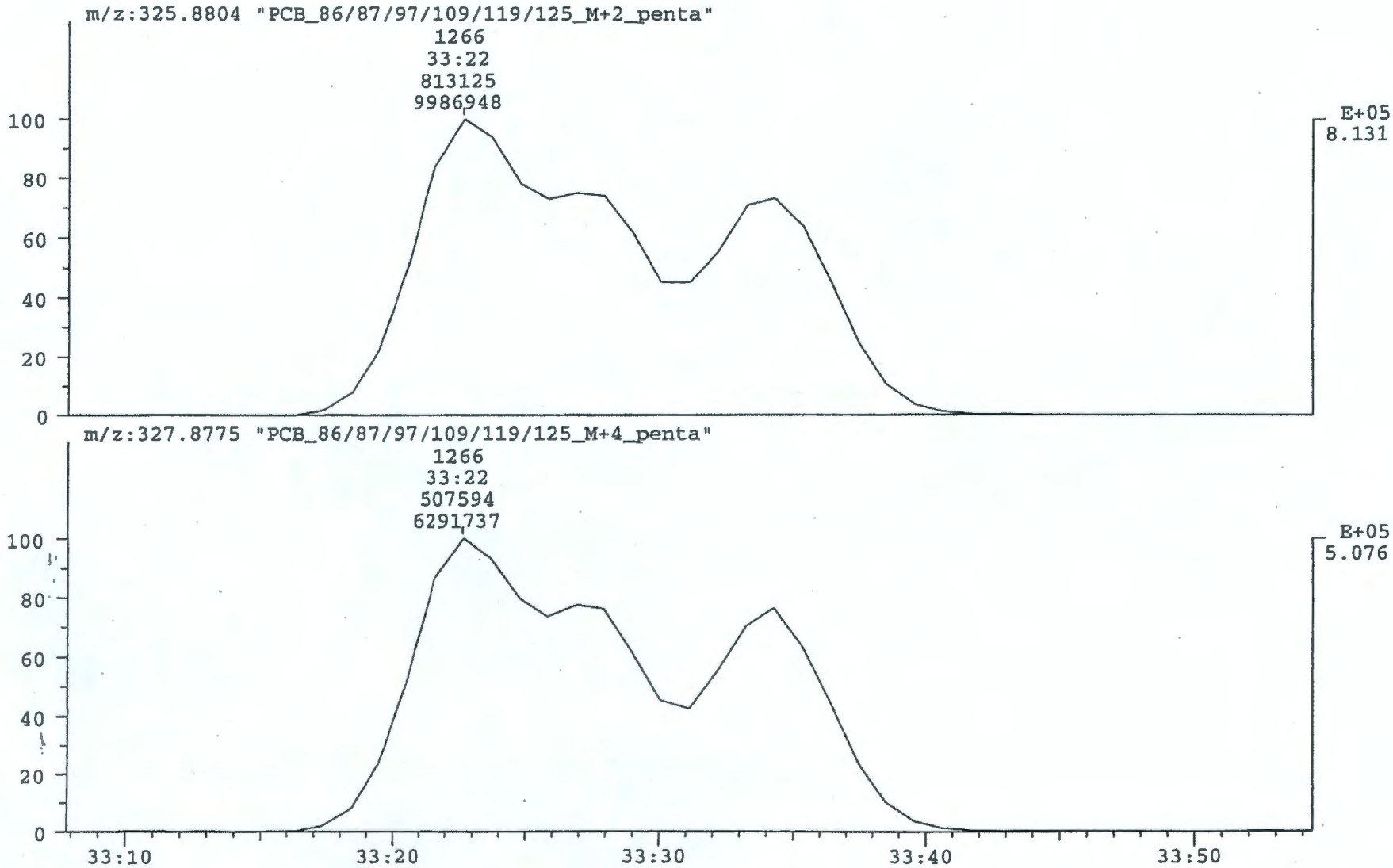
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  32:22      1209
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1186 > 1234           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



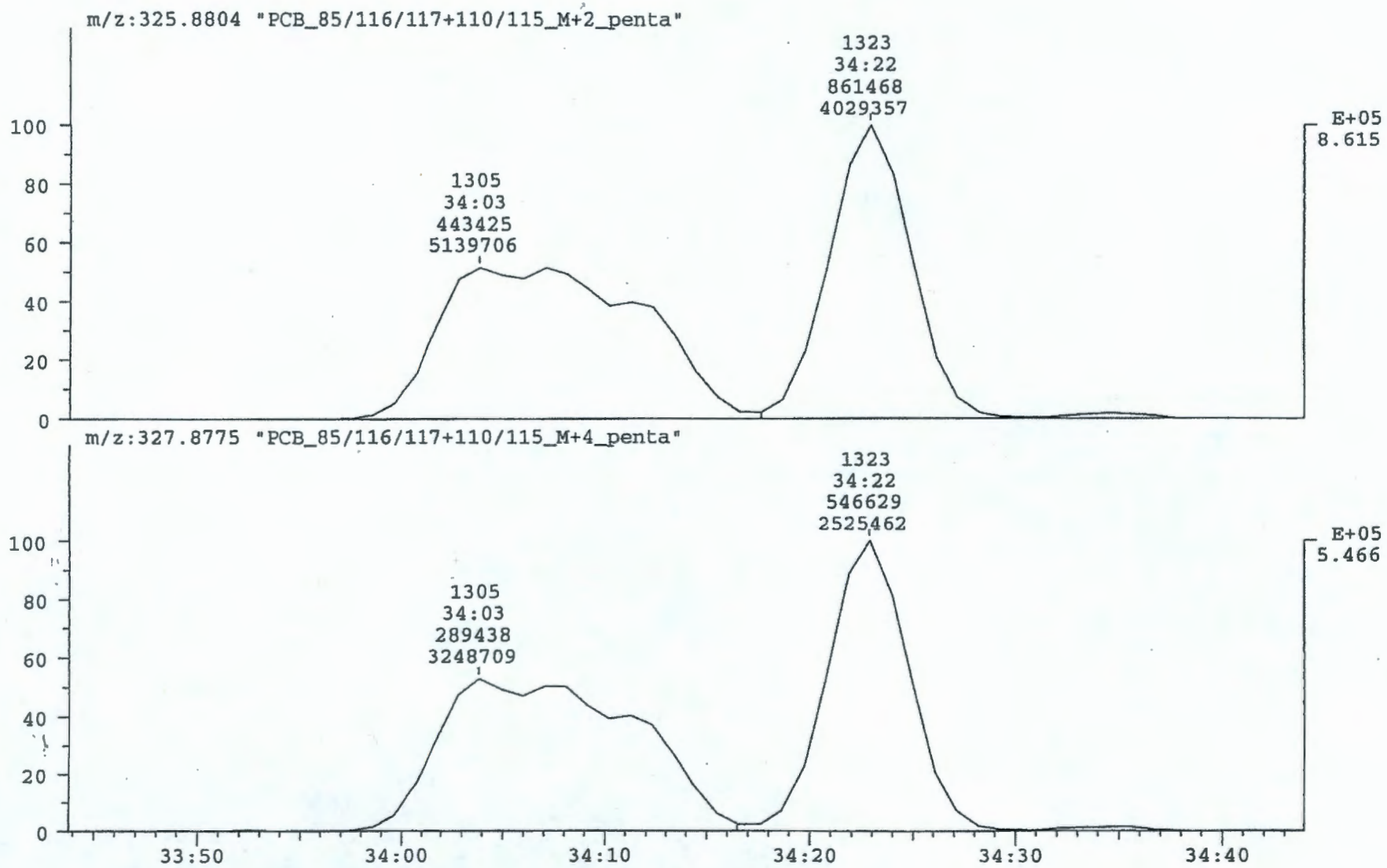
CHRO: a070313ss 14-Mar-07 Elapse: 33:02 1247
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1222 > 1264 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



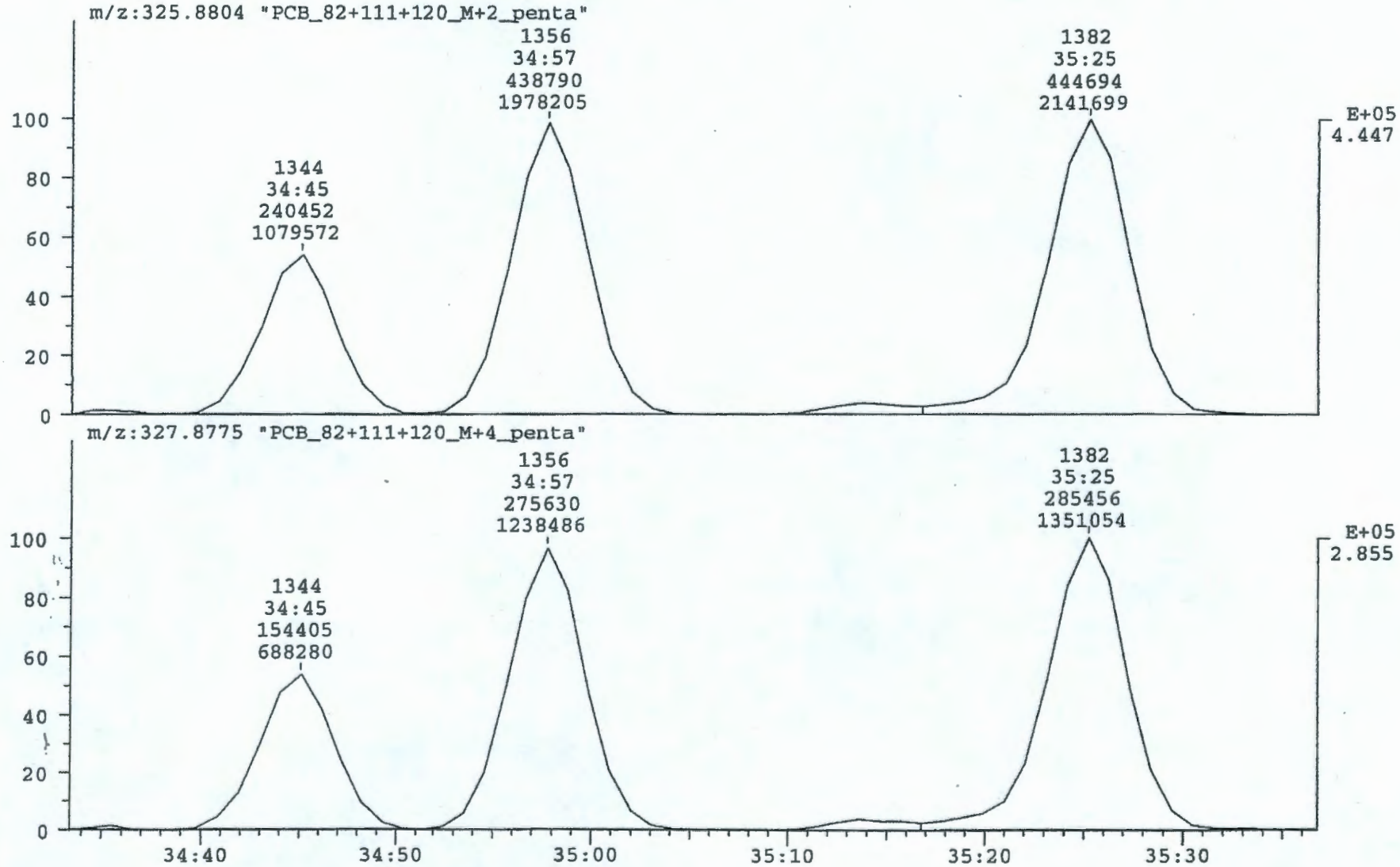
CHRO: a070313ss 14-Mar-07 Elapse: 33:36 1279
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1252 > 1296 Masses: 181 > 510
Area: 5, 0.50, 0 Baseline : 100, 9 Label : -3, 3.0
Disp: Height Area



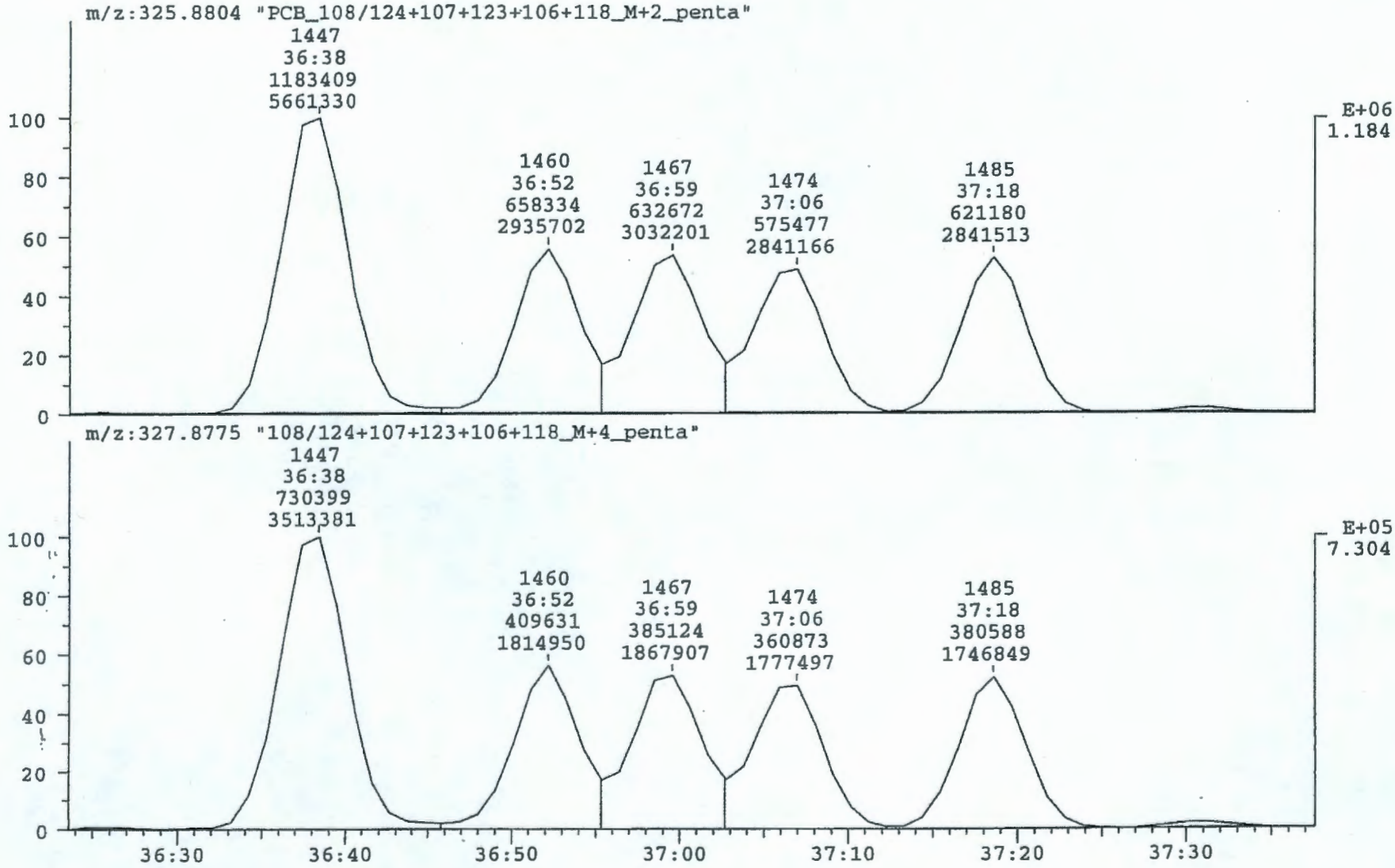
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  34:22      1323
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   9
Peak:  100.00  ppm     Label wndw:   1286 > 1343            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 6                 Label :  -3, 3.0
Disp:  Height  Area
```



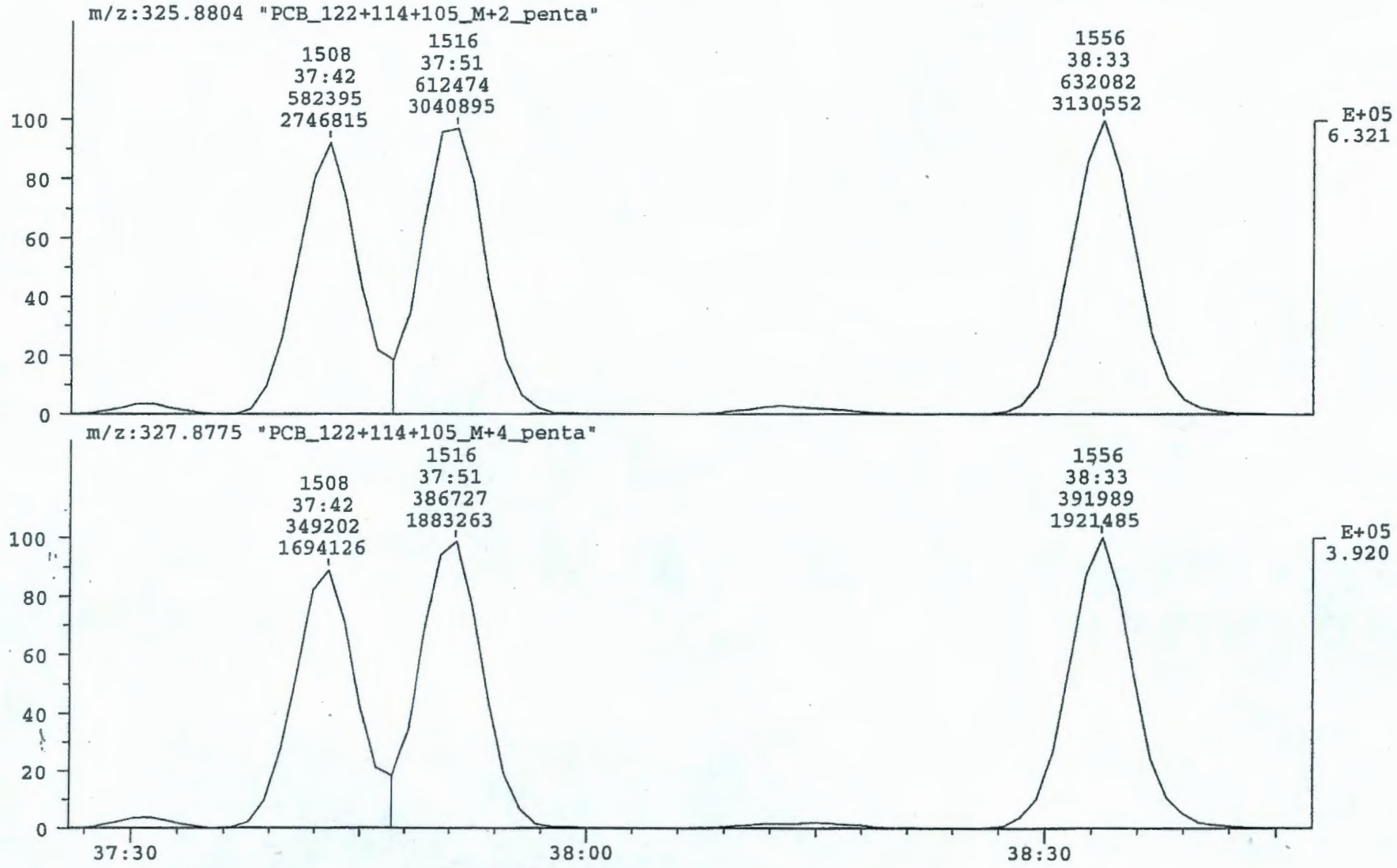
CHRO: a070313ss 14-Mar-07 Elapse: 34:54 1353
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1333 > 1393 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 1 Label : -3, 3.0
Disp: Height Area



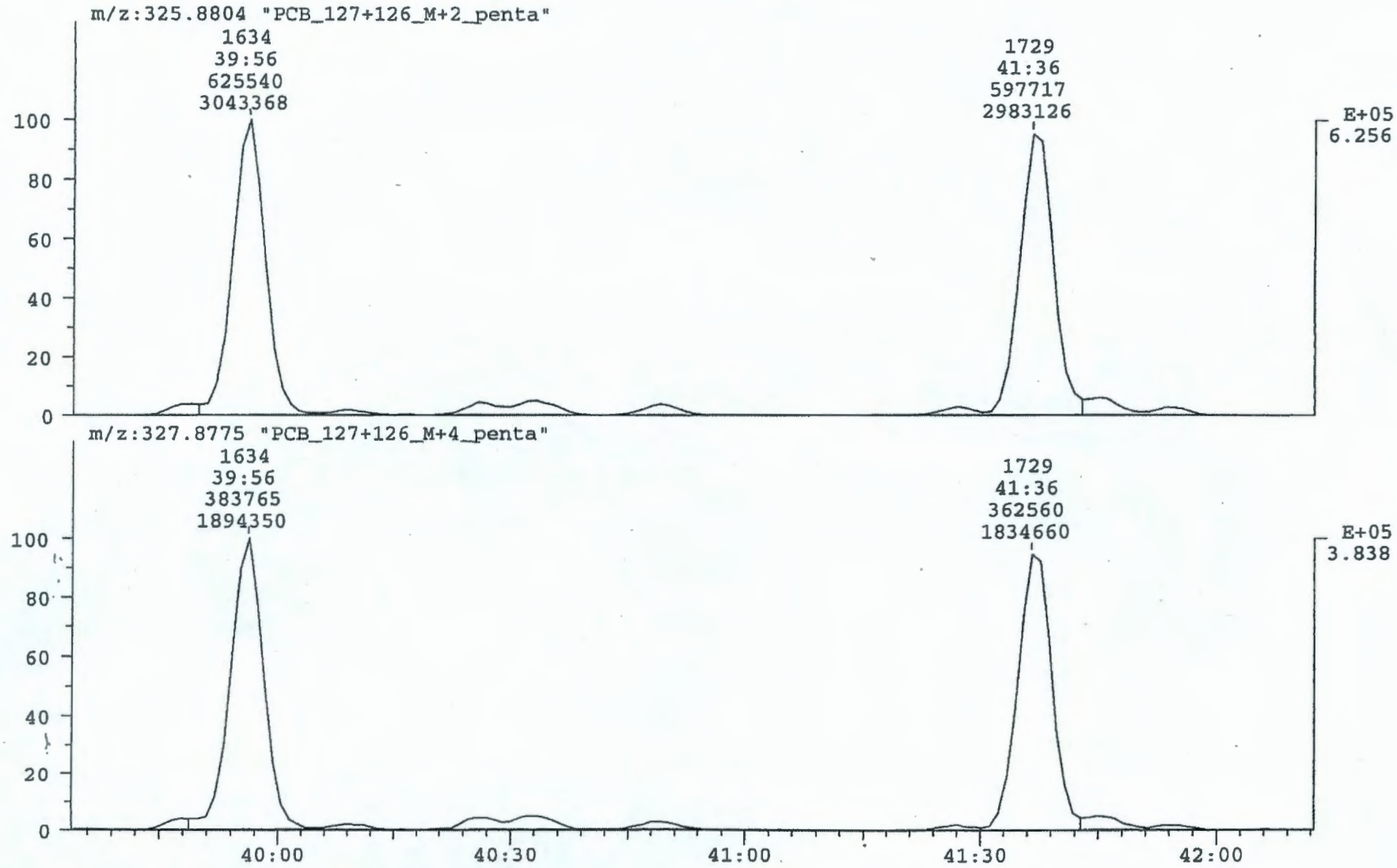
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  37:11      1478
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   9
Peak:  100.00  ppm     Label wndw:   1433 > 1503           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



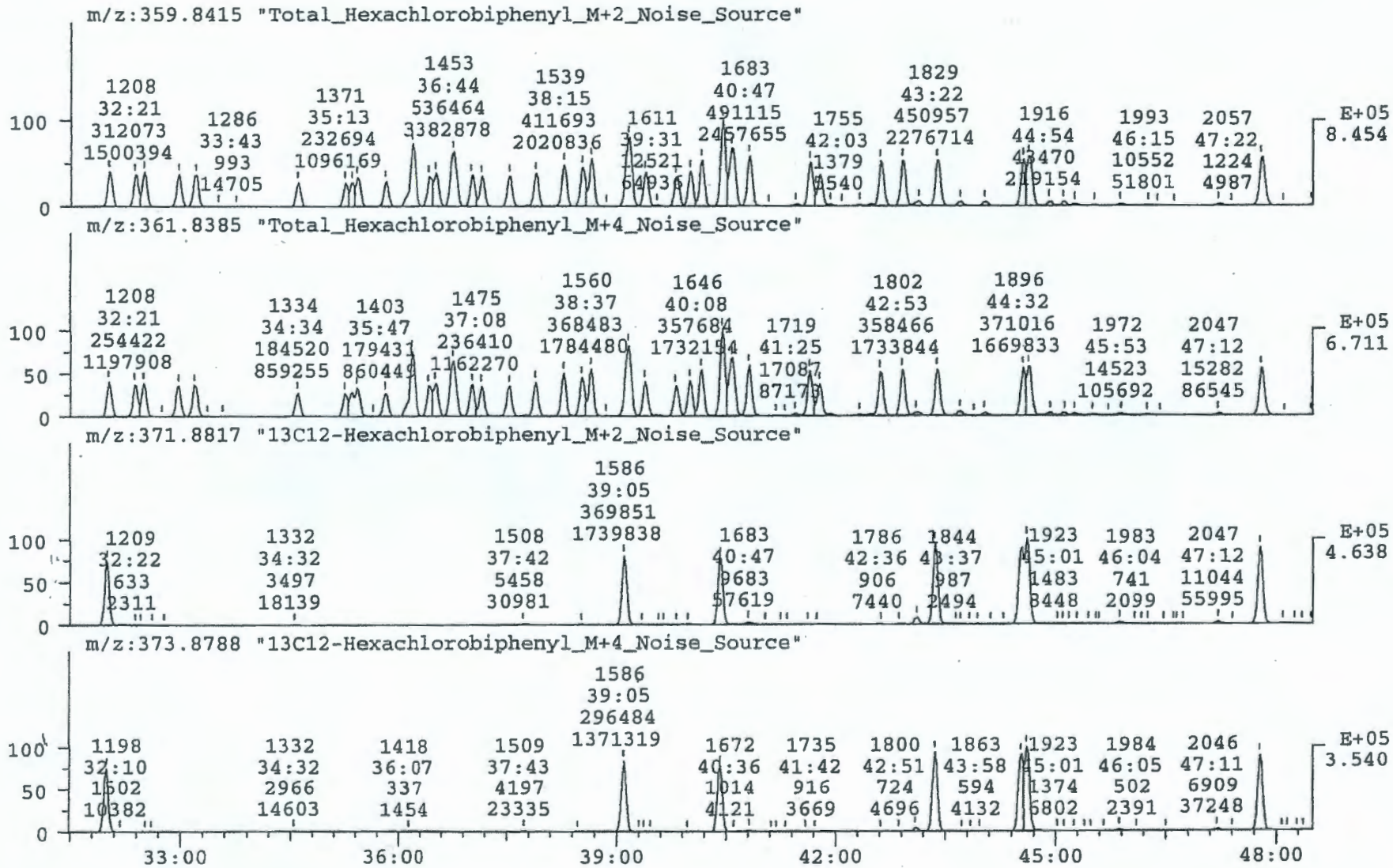
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  38:13      1537
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1492 > 1569           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



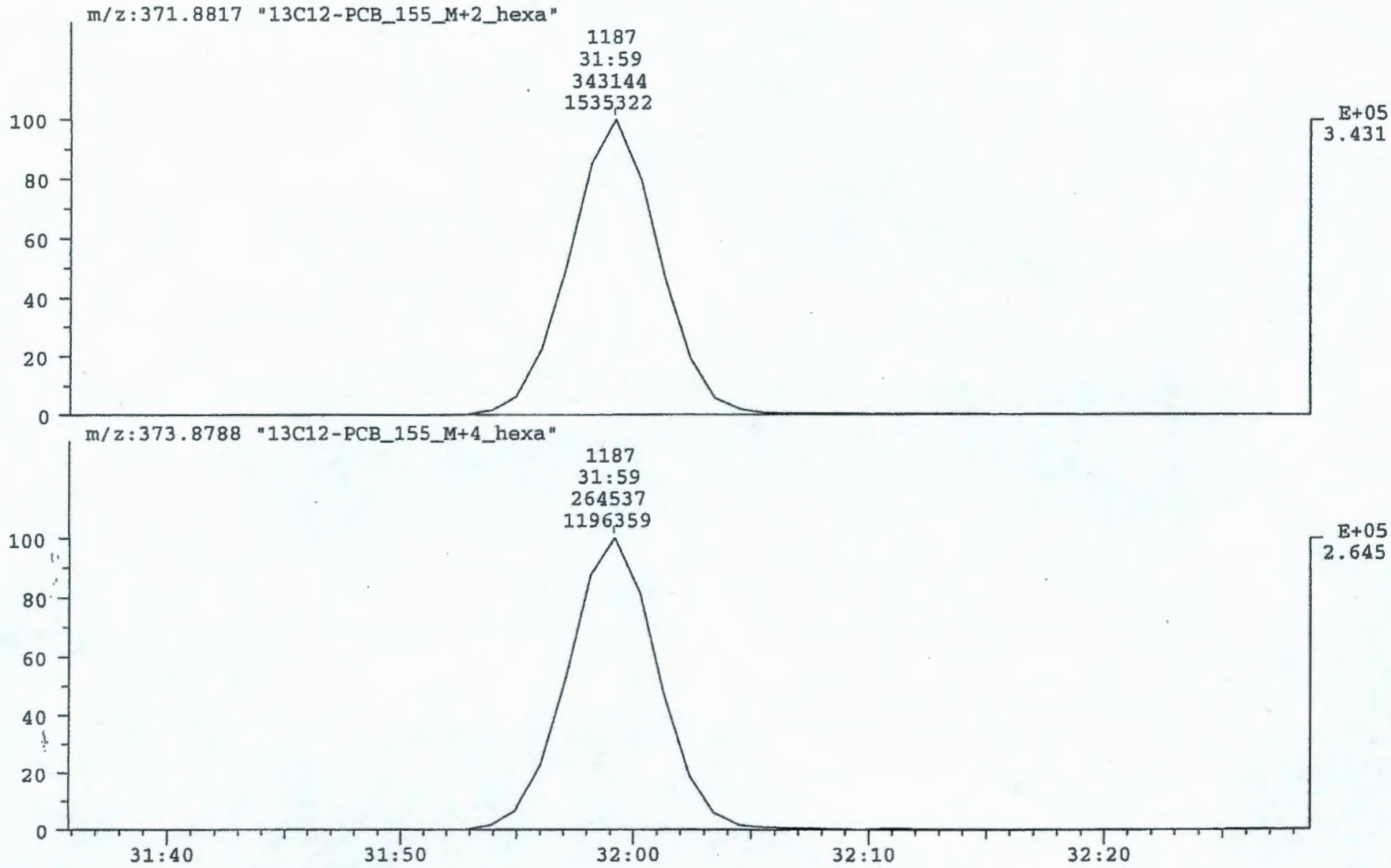
CHRO: a070313ss 14-Mar-07 Elapse: 40:53 1688
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1613 > 1763 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 1 Label : -3, 3.0
Disp: Height Area



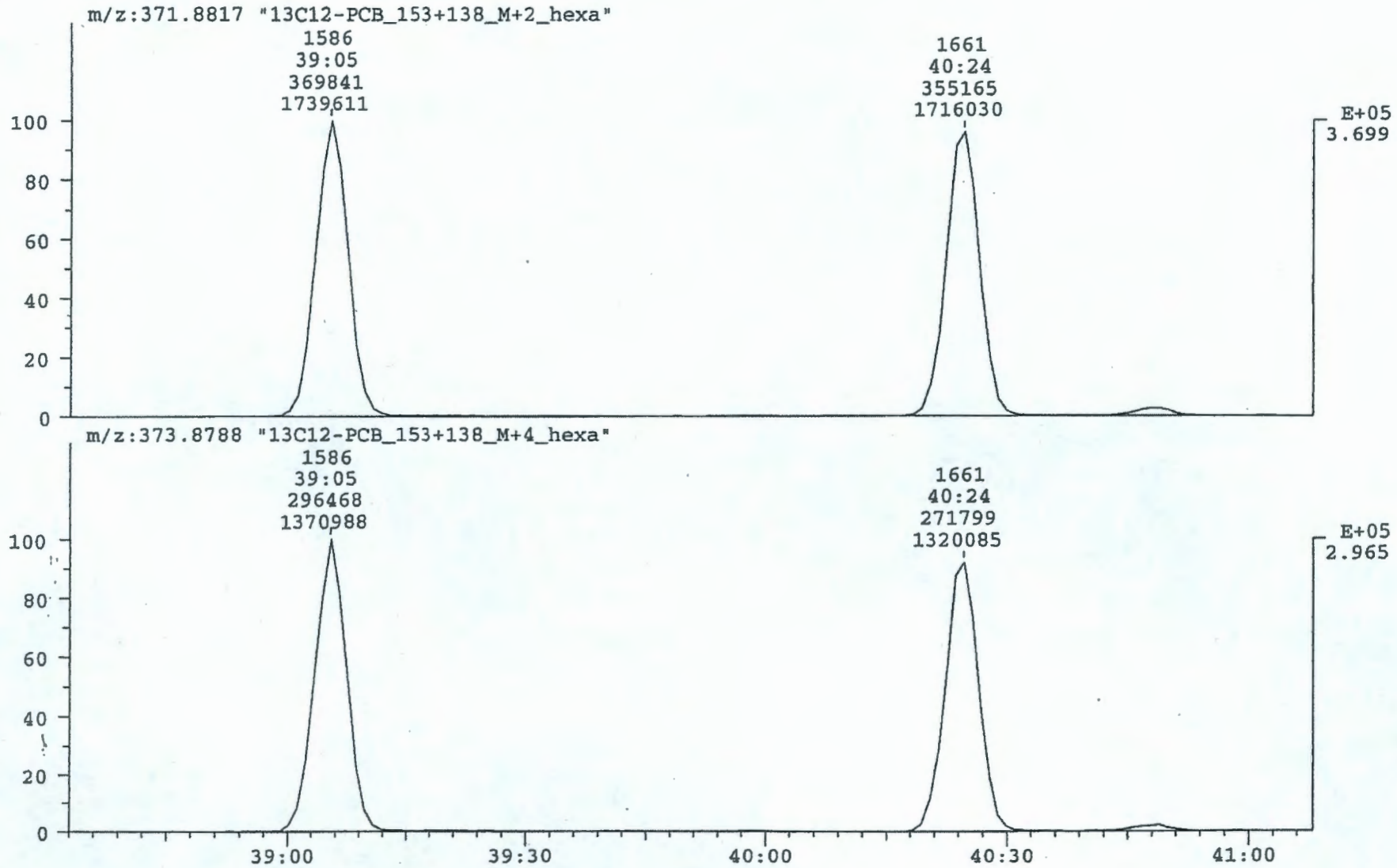
CHRO: a070313ss 14-Mar-07 Elapse: 39:59 1637
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1158 > 2121 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



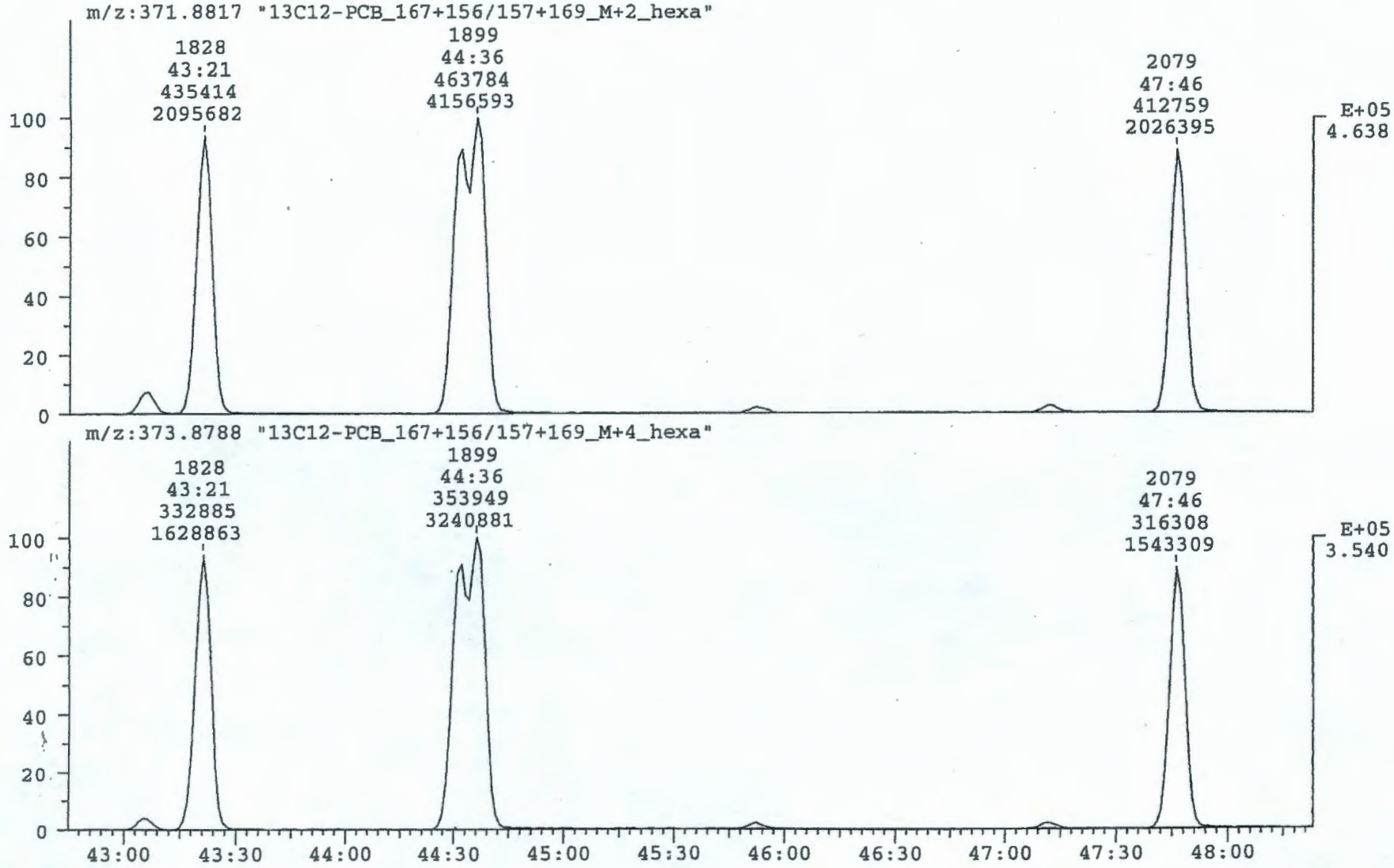
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  32:02      1190
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
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
```



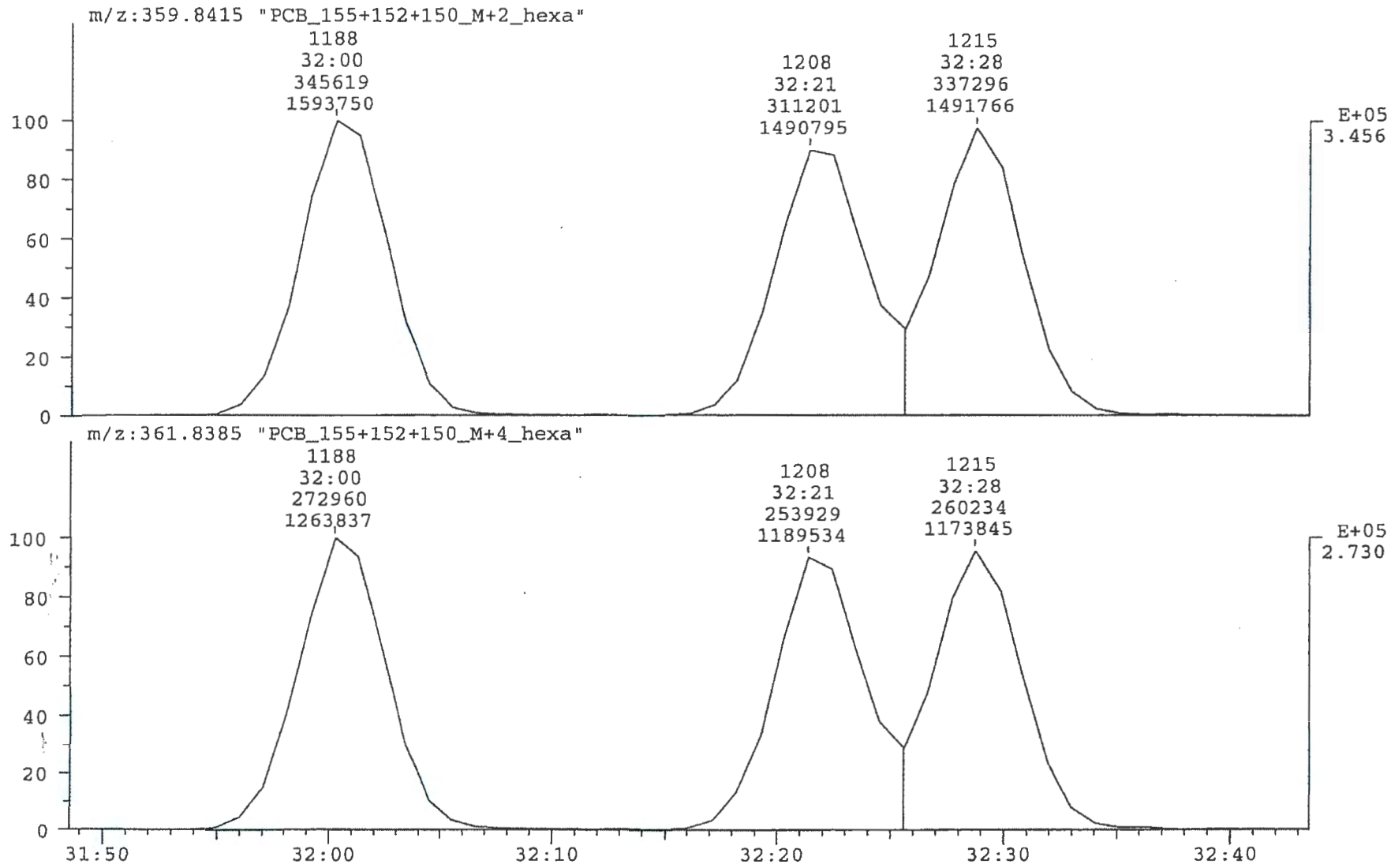
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  39:49      1628
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   9
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
```



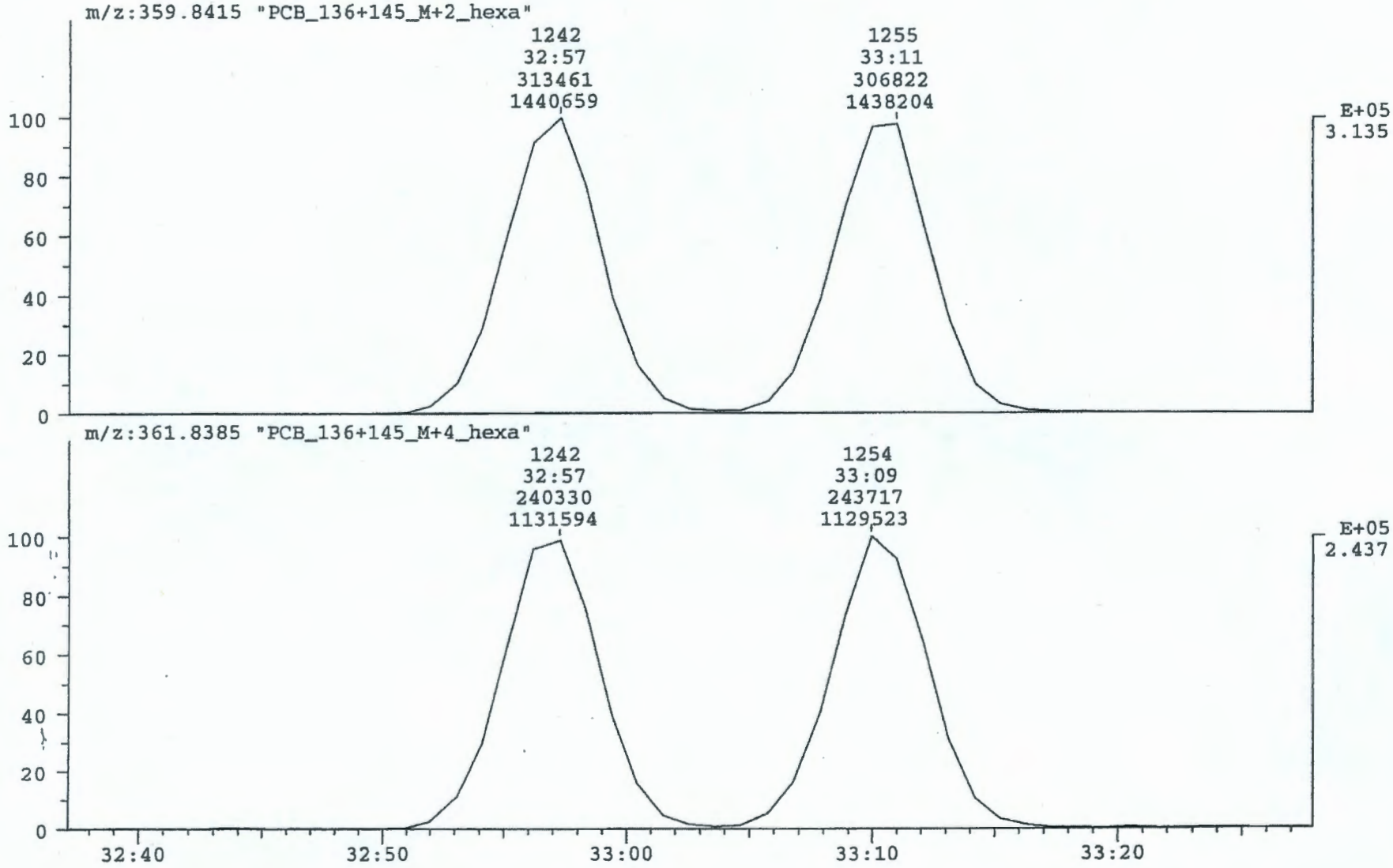
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  45:39      1959
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1794 > 2114           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 9                Label :  -3, 3.0
Disp:  Height  Area
```



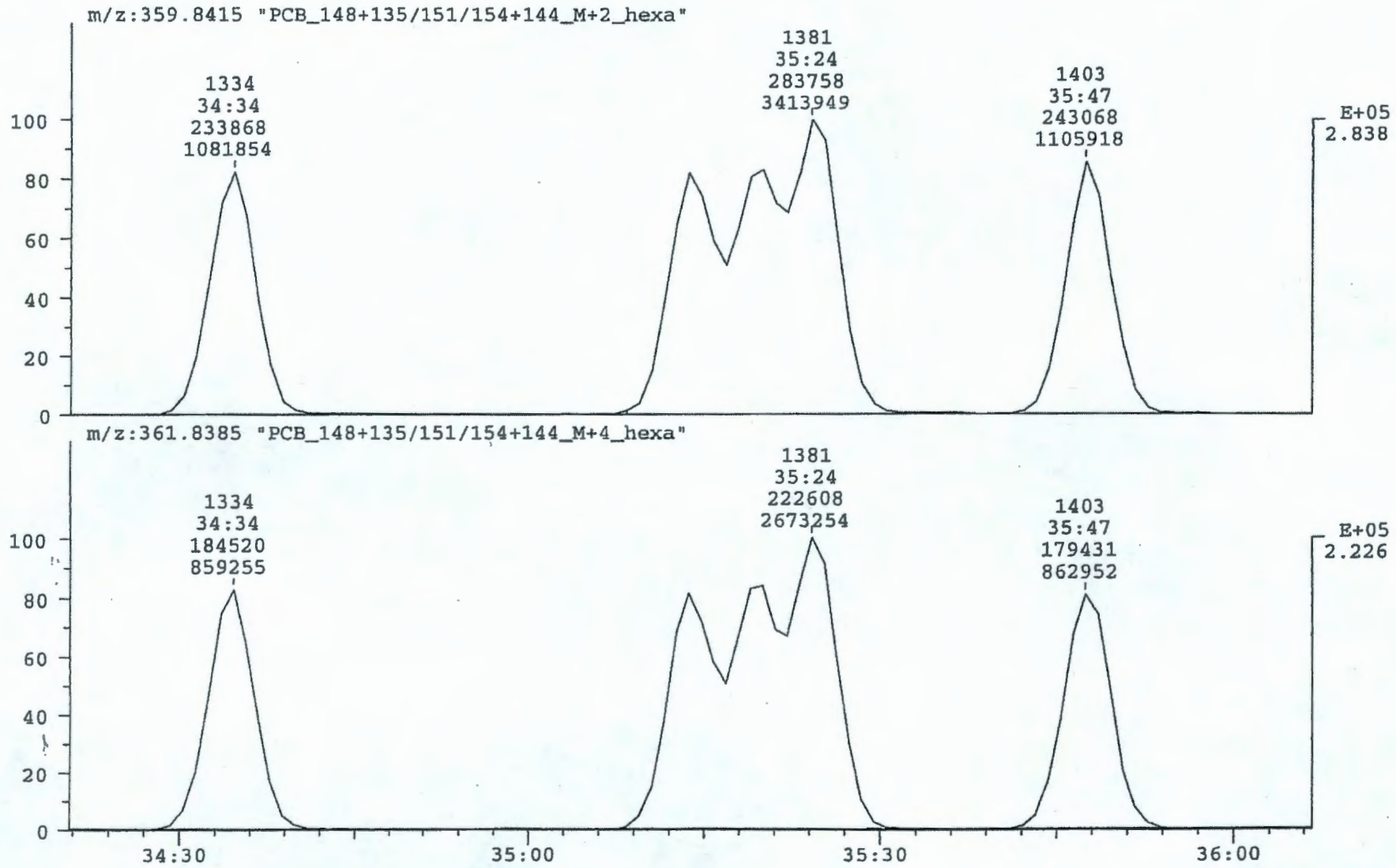
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  32:20      1207
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   9
Peak:  100.00  ppm     Label wndw:   1177 > 1229            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



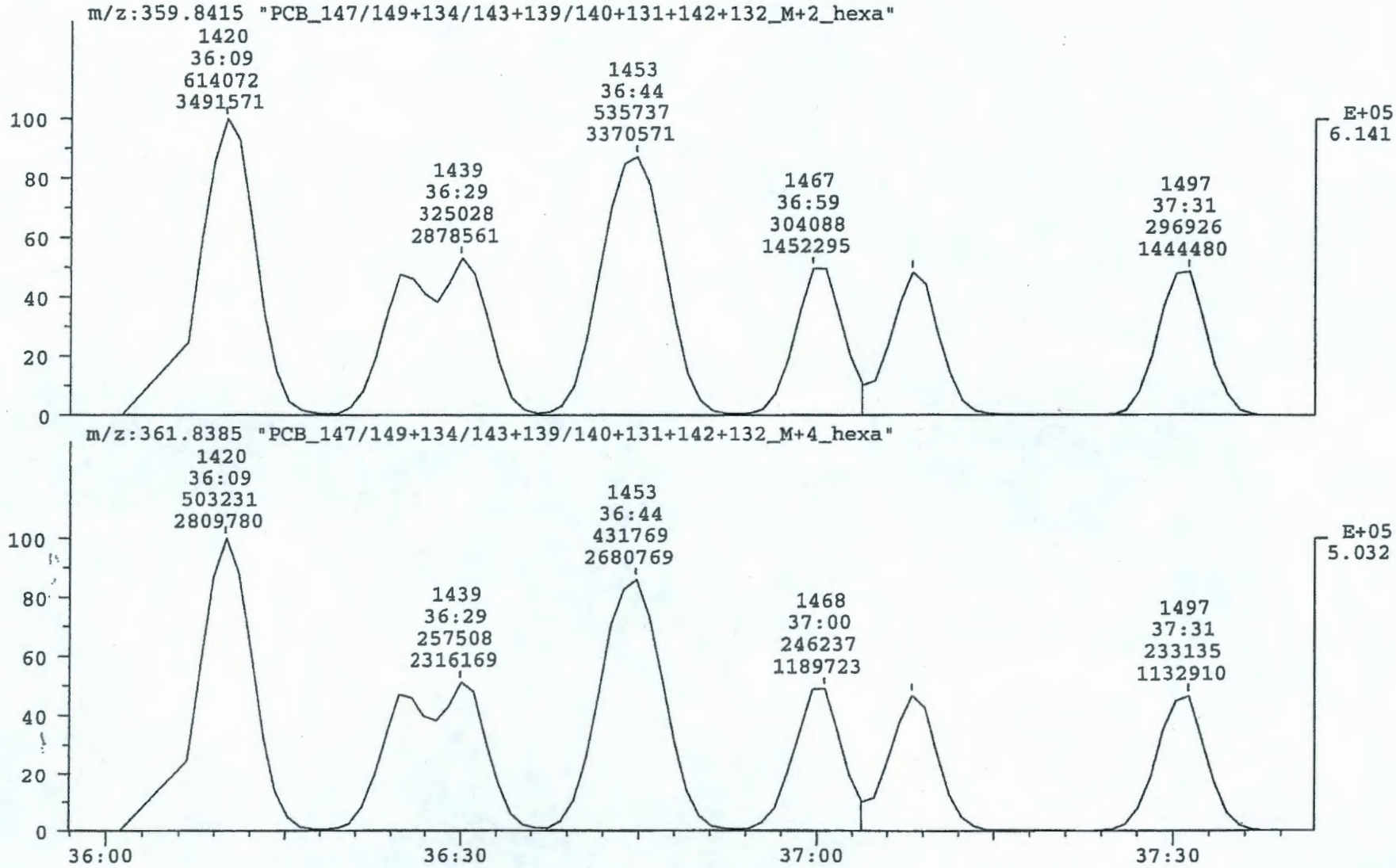
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  33:08      1253
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1223 > 1271           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



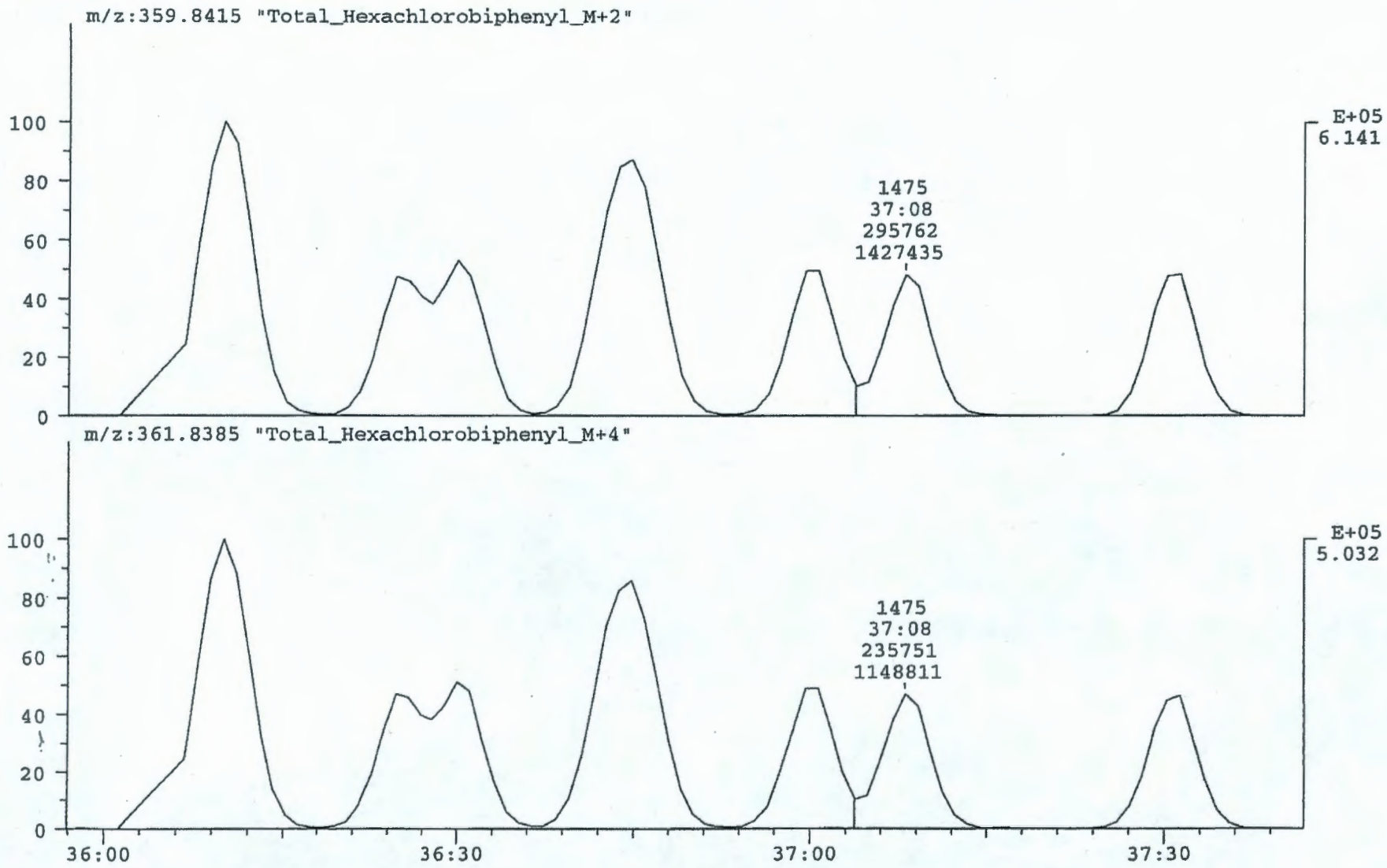
CHRO: a070313ss 14-Mar-07 Elapse: 35:22 1379
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1321 > 1417 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 12 Label : -3, 3.0
Disp: Height Area



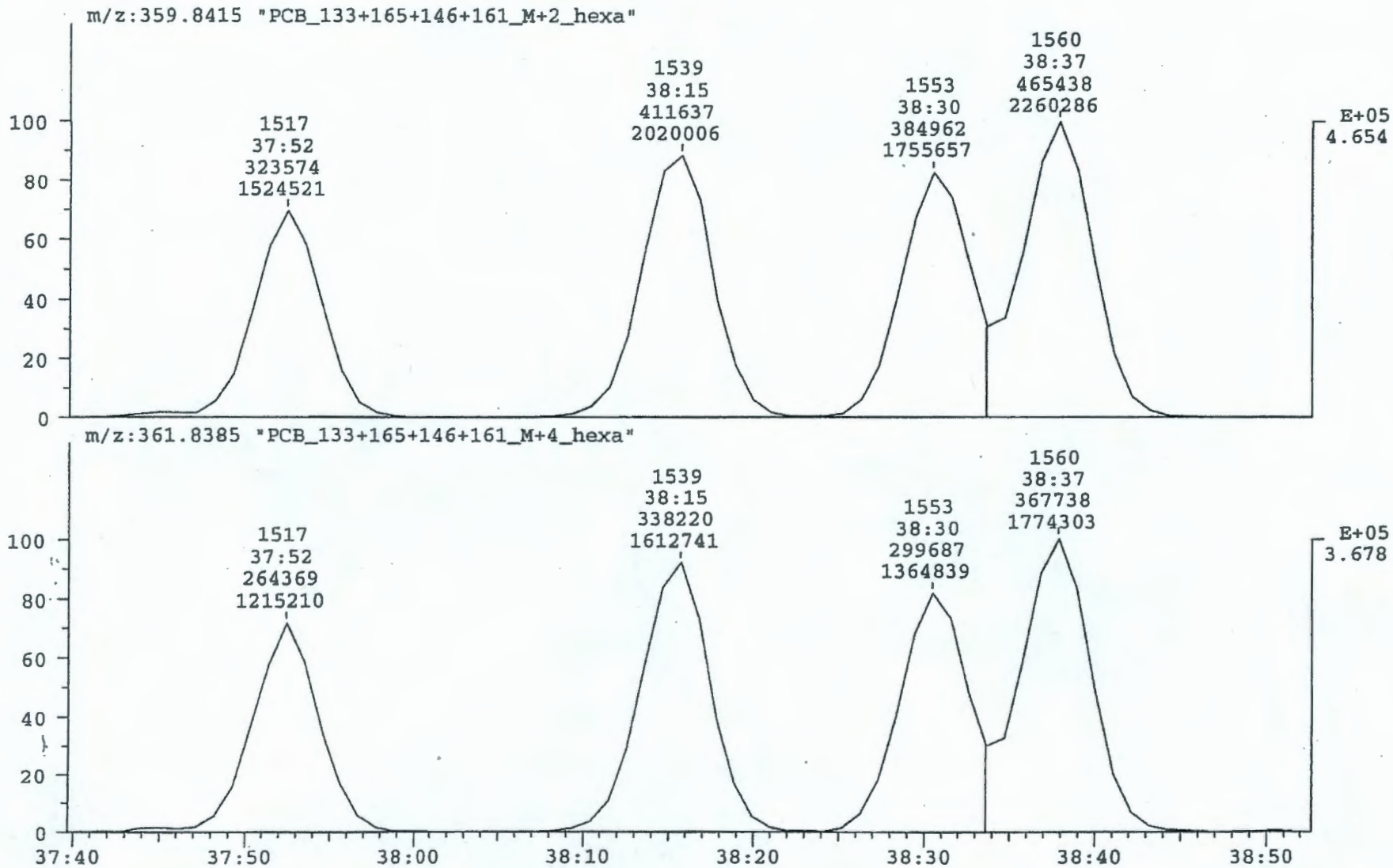
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  36:45      1454
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1412 > 1507          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 5                Label :  -3, 3.0
Disp:  Height  Area
```



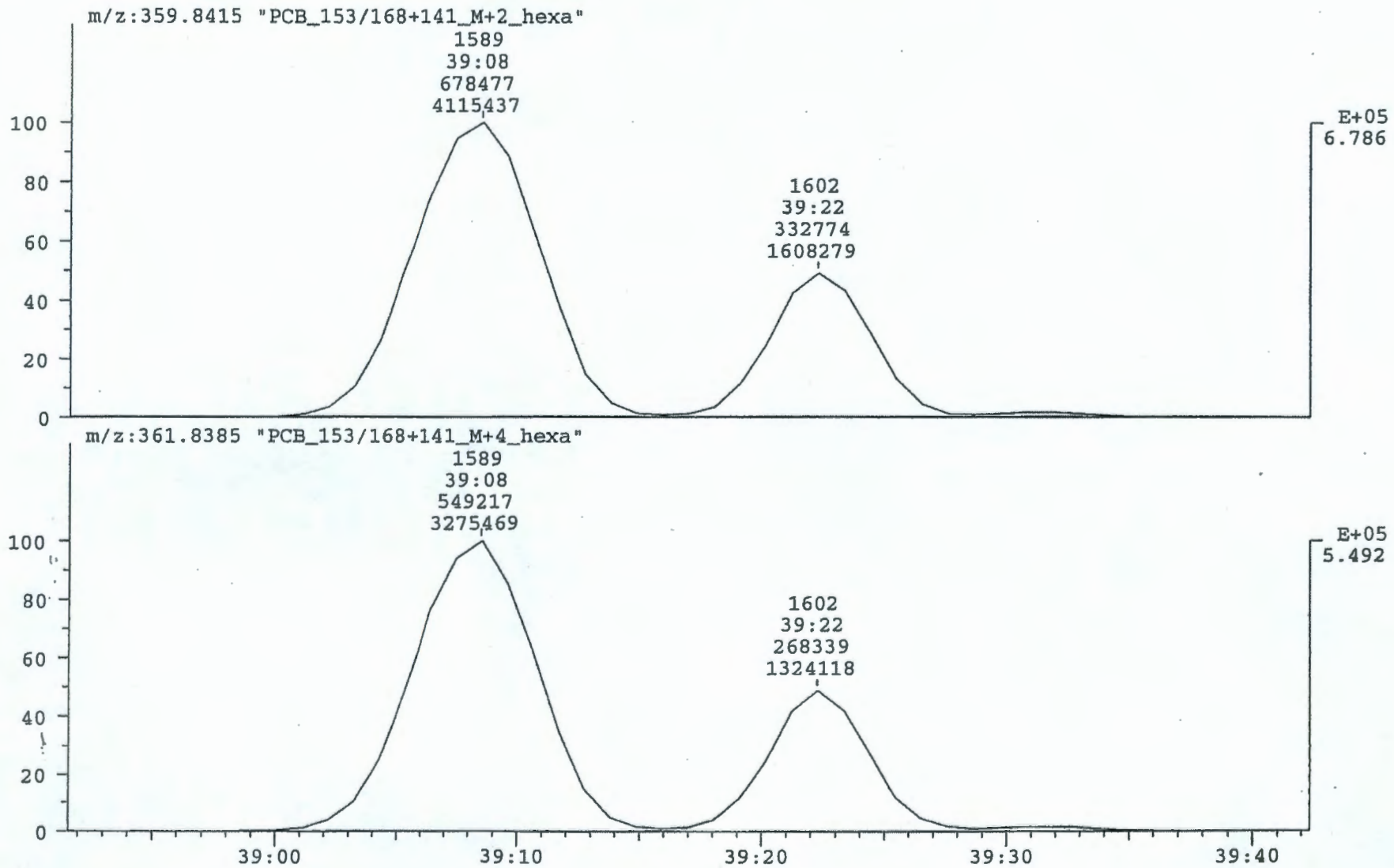
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  37:08      1475
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1472 > 1478          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 5                Label :  -3, 3.0
Disp:  Height  Area
```



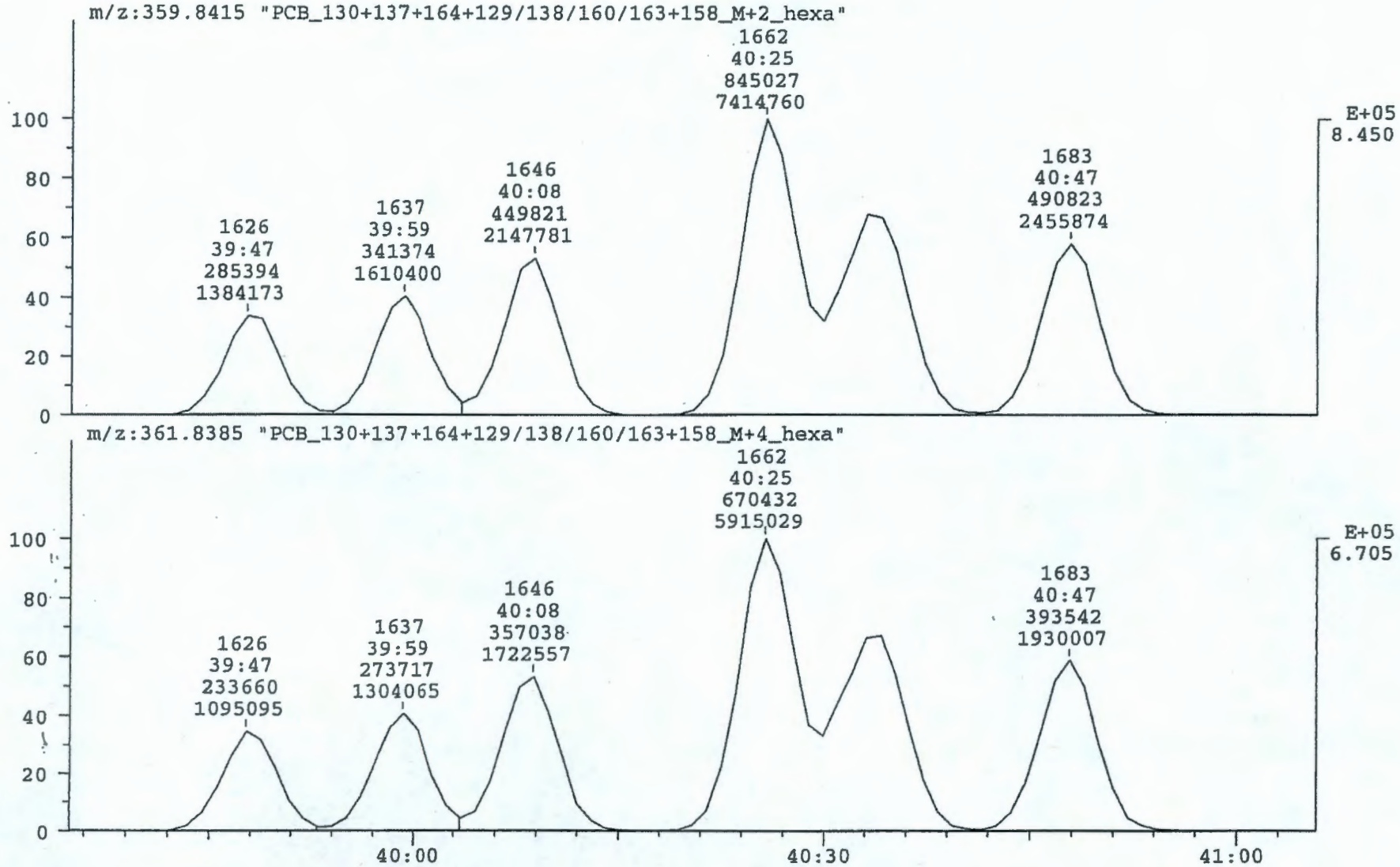
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  38:22      1545
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   9
Peak:  100.00  ppm     Label wndw:   1505 > 1574           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



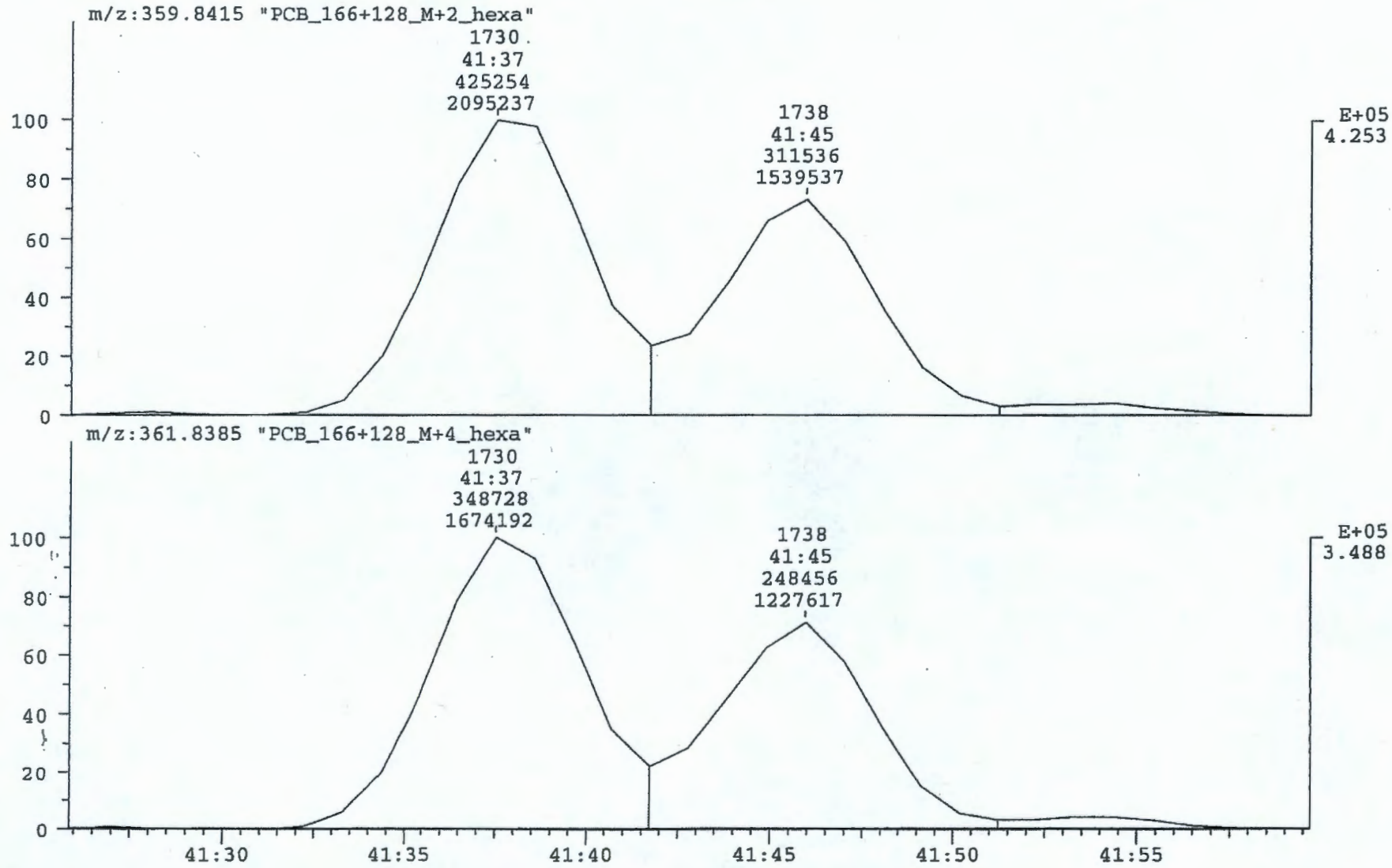
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  39:21      1601
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1573 > 1621           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



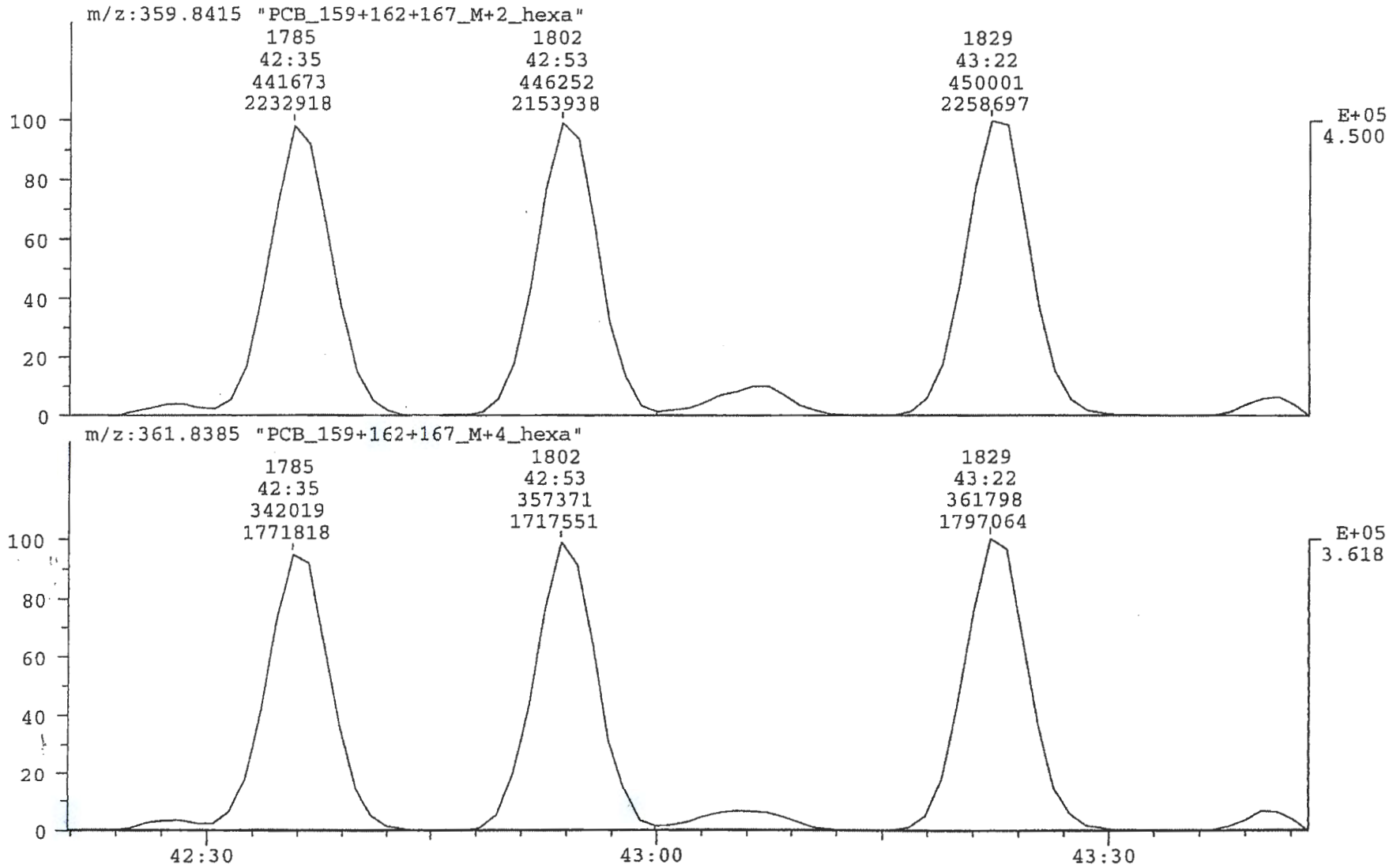
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  40:23      1660
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1614 > 1700          Masses:  181 > 510
Area:  5, 0.50, 0       Baseline  :   100, 7               Label :  -3, 3.0
Disp:  Height  Area
```



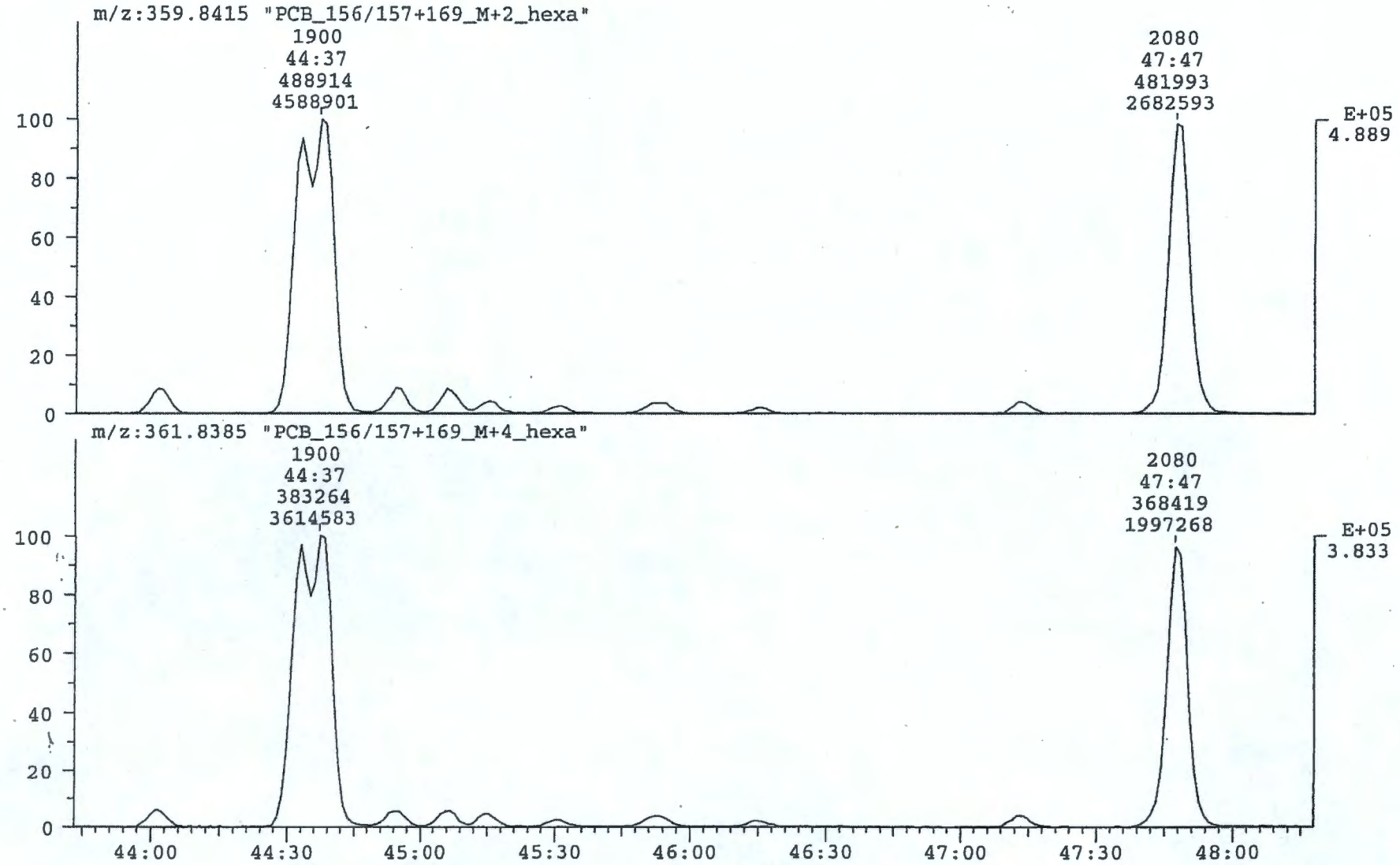
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  41:47      1739
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1719 > 1751          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 2                Label :  -3, 3.0
Disp:  Height  Area
```



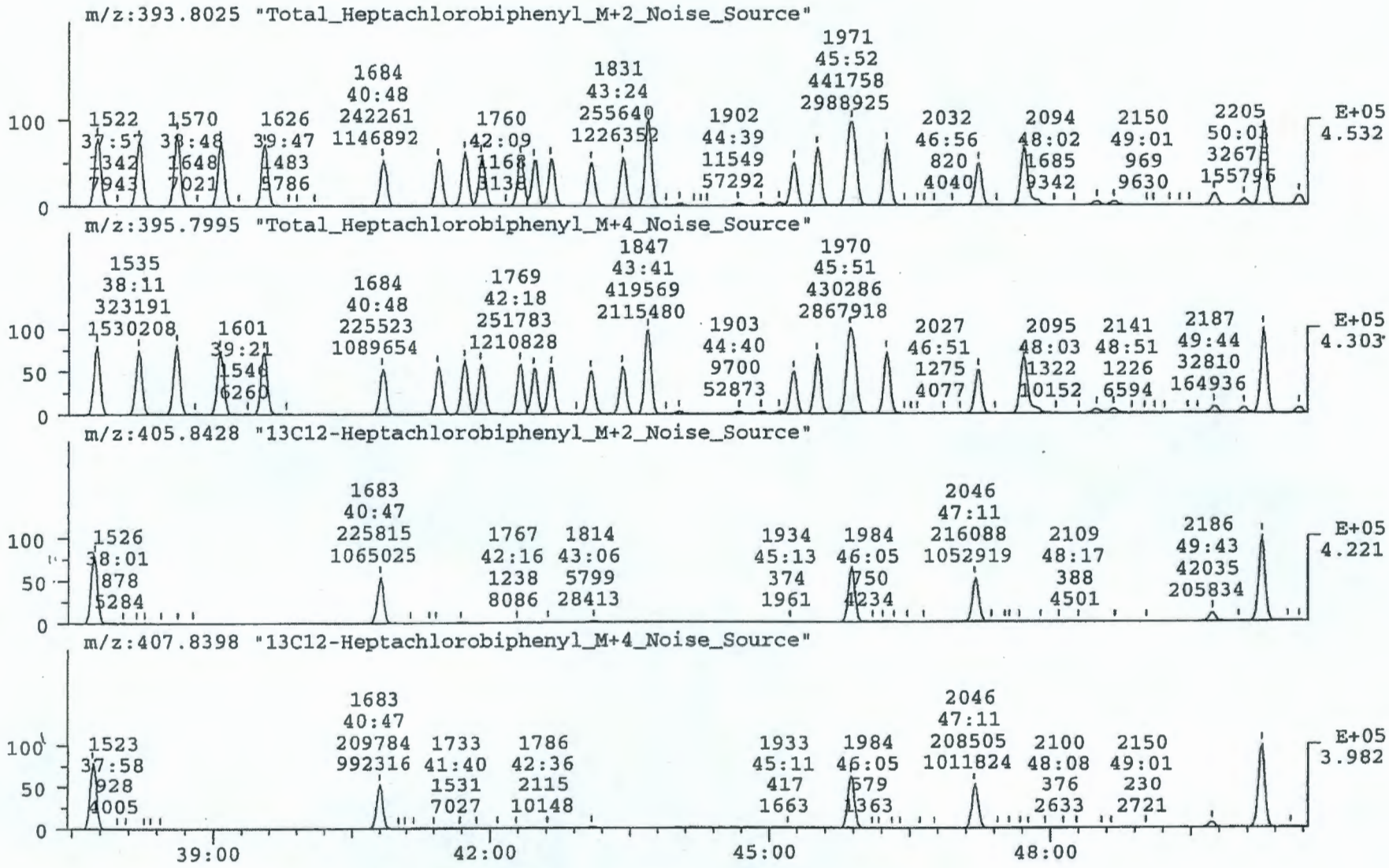
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  43:06      1814
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1771 > 1849          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



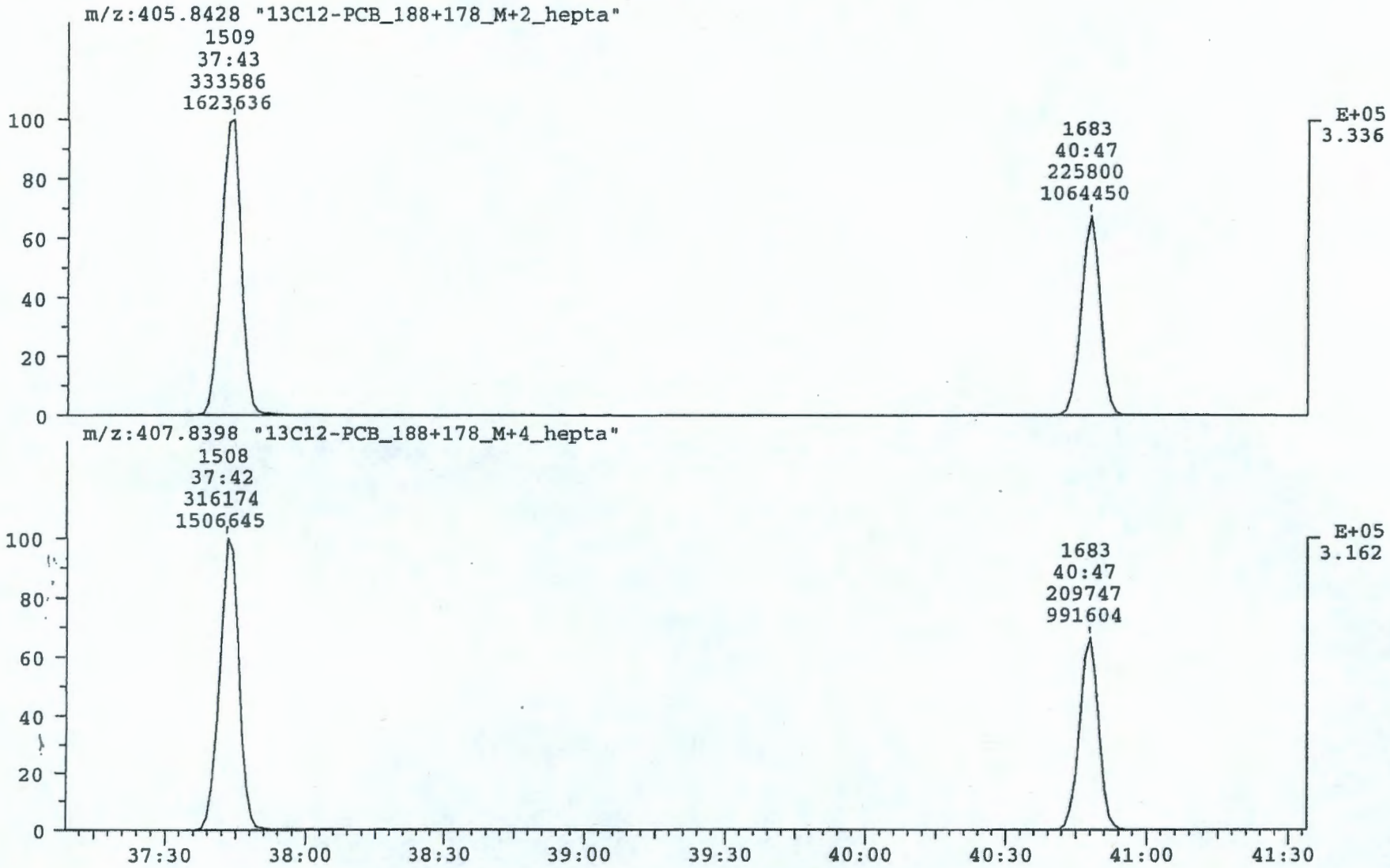
```
CHRO:  a070313ss                          14-Mar-07   Elapse:  46:16      1994
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1               Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                      Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville            Inlet :  GC     Vial  9
Peak:  100.00  ppm     Label wndw:   1849 > 2109      Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 8           Label :  -3, 3.0
Disp:  Height  Area
```



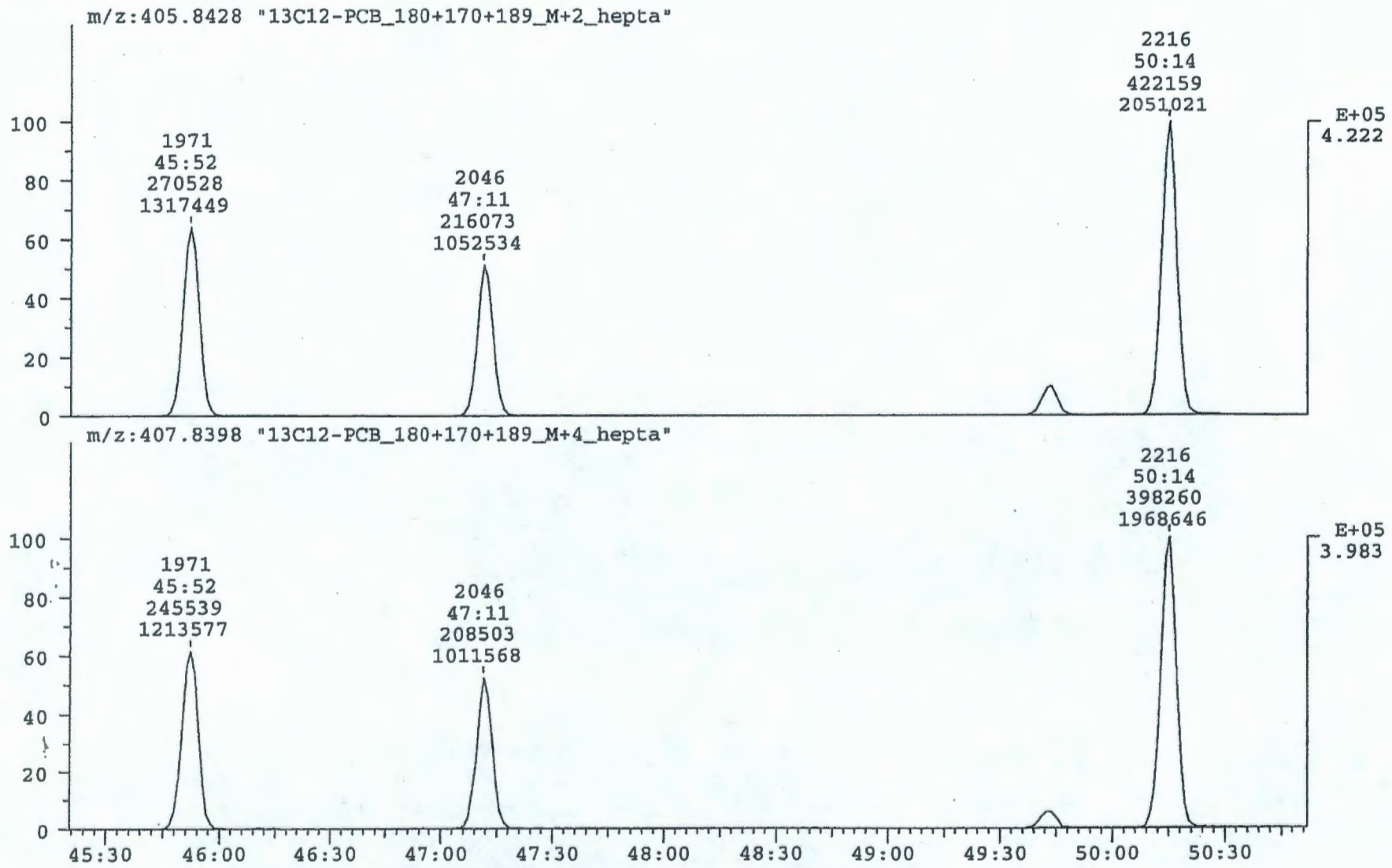
CHRO: a070313ss 14-Mar-07 Elapse: 44:06 1871
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1493 > 2244 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



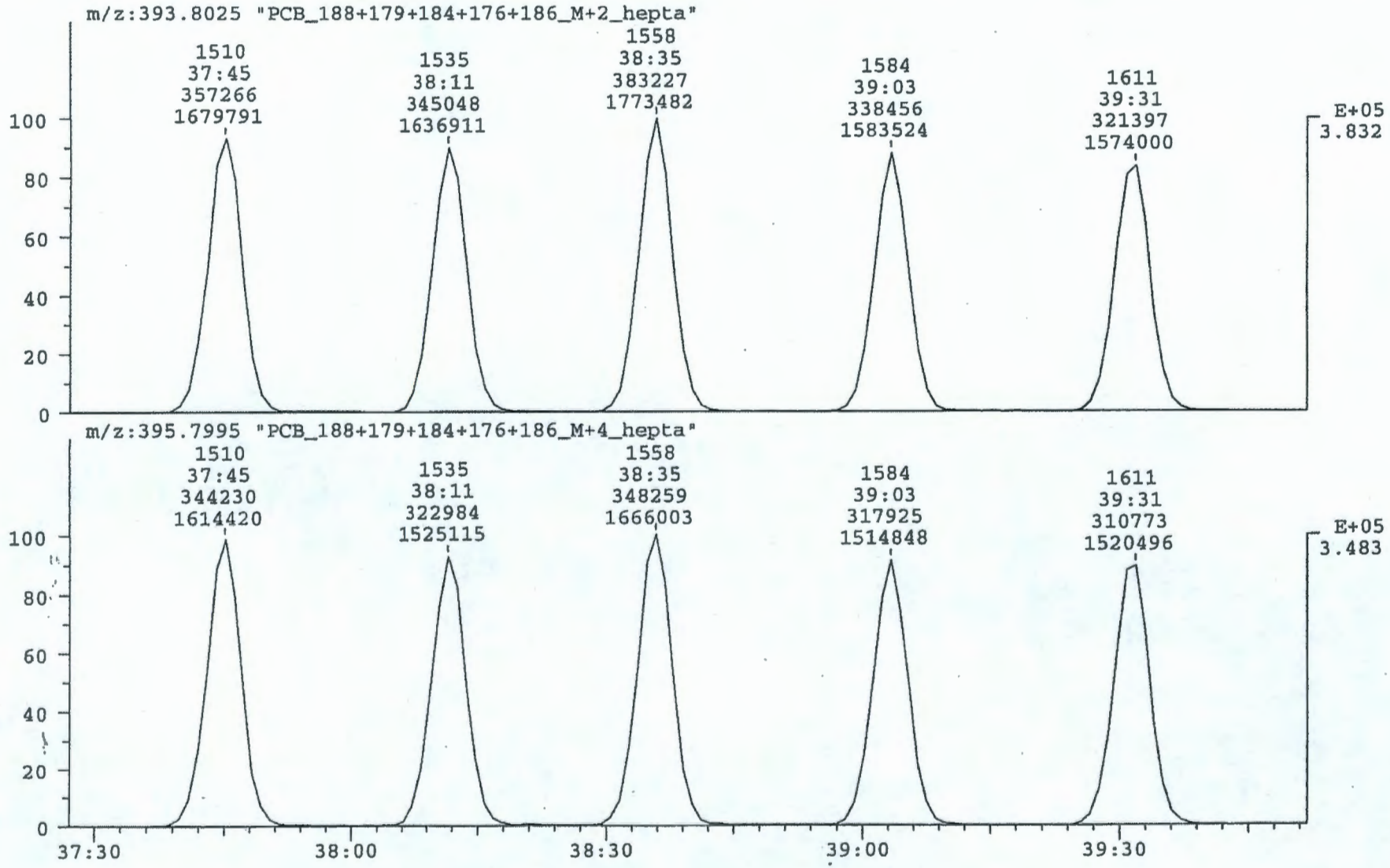
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  39:21      1601
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   9
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
```



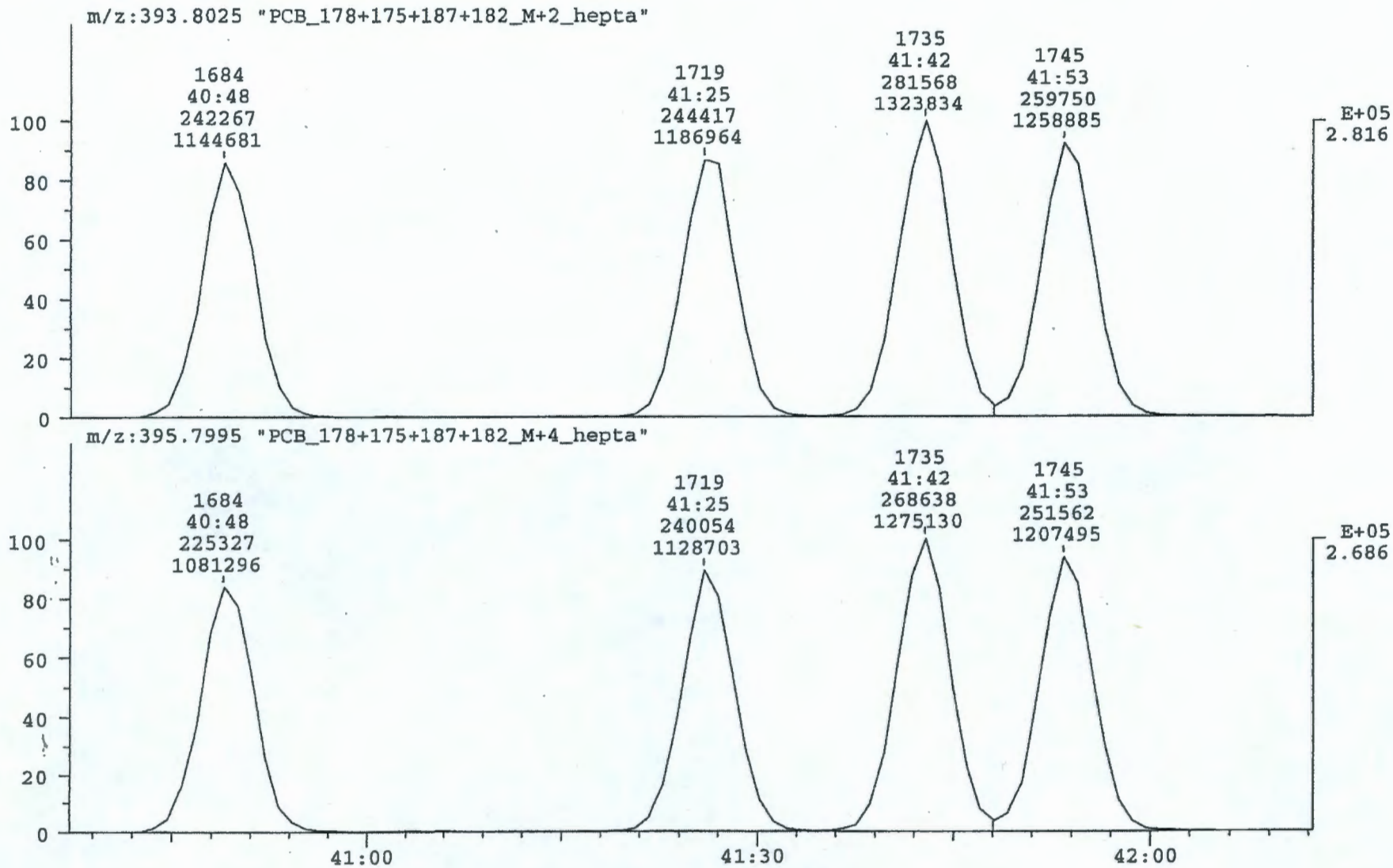
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  48:09      2101
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
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
```



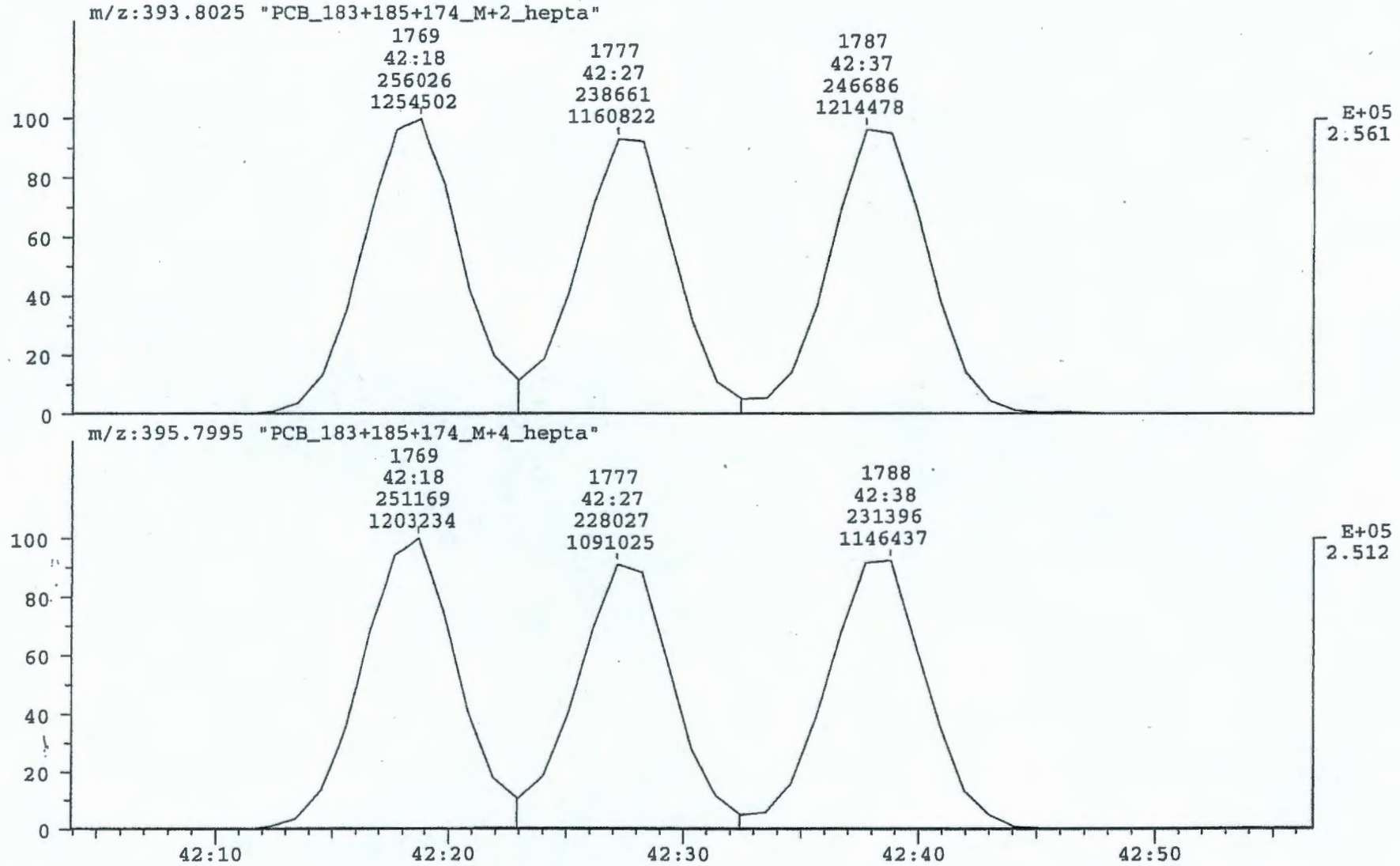
CHRO: a070313ss 14-Mar-07 Elapse: 38:43 1565
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1493 > 1630 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



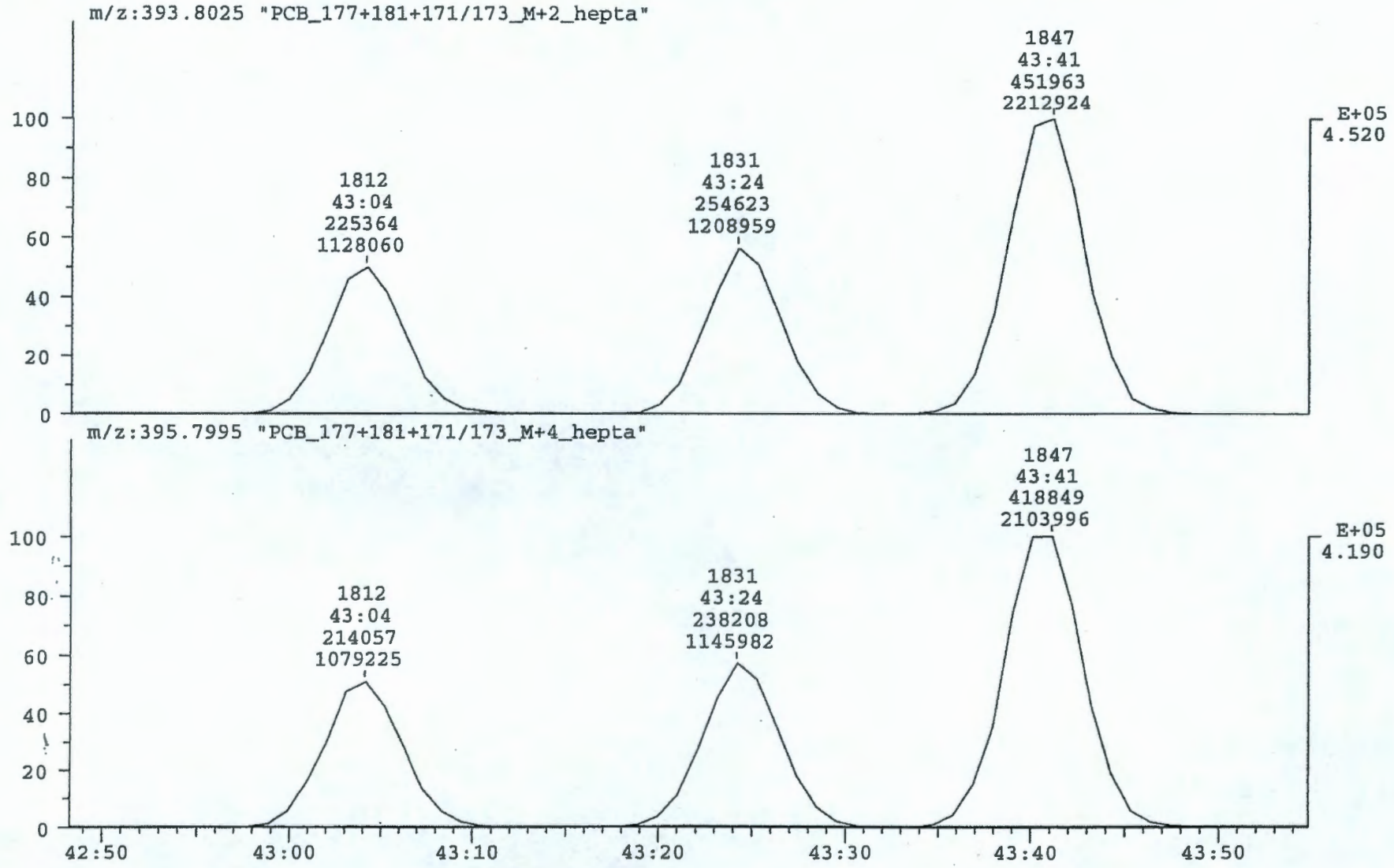
CHRO: a070313ss 14-Mar-07 Elapse: 41:30 1723
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1673 > 1763 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



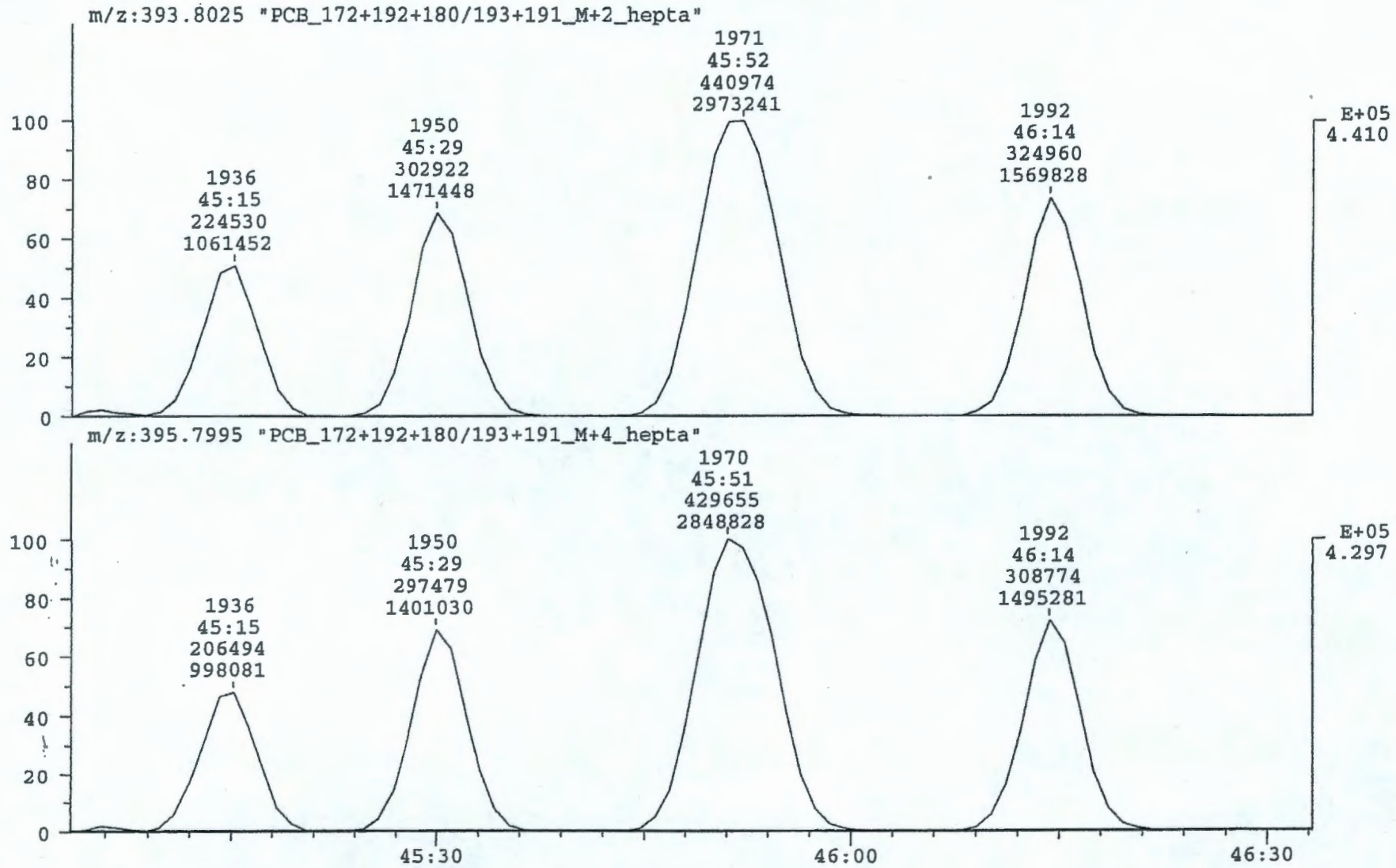
CHRO: a070313ss 14-Mar-07 Elapse: 42:40 1790
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1755 > 1805 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



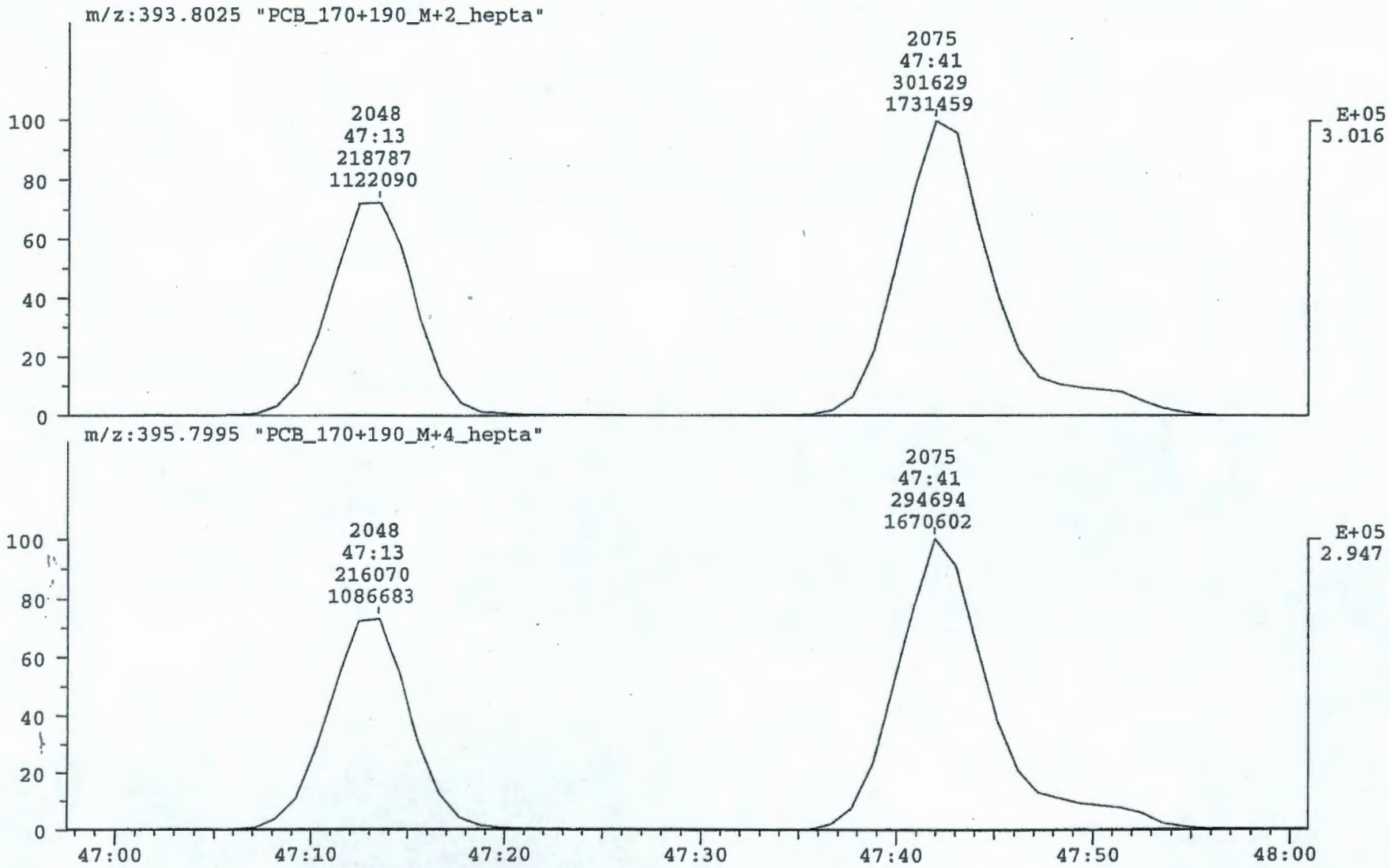
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  43:28      1835
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   9
Peak:  100.00  ppm     Label wndw:   1797 > 1860           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



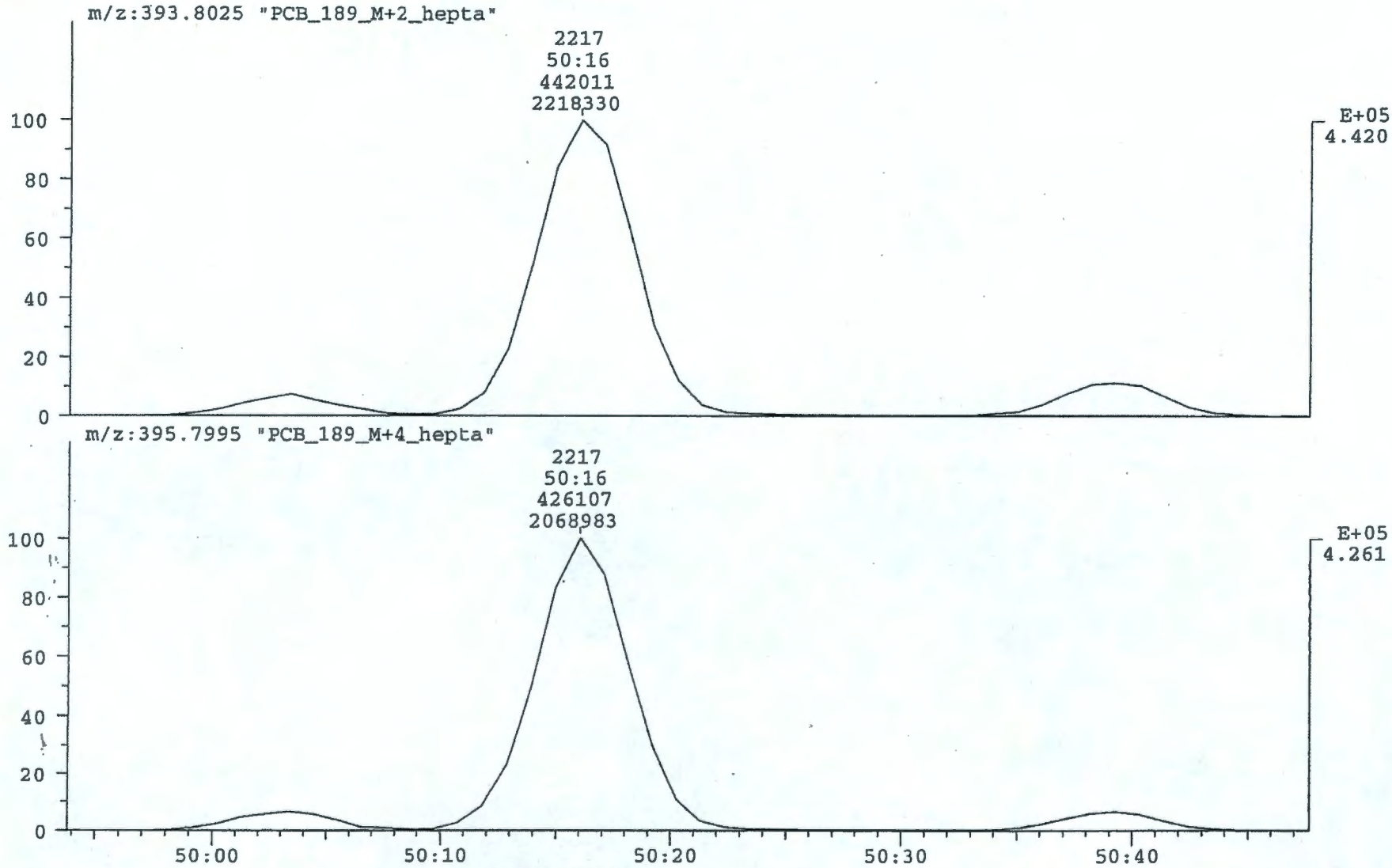
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  45:56      1975
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   9
Peak:  100.00  ppm     Label wndw:   1925 > 2010            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



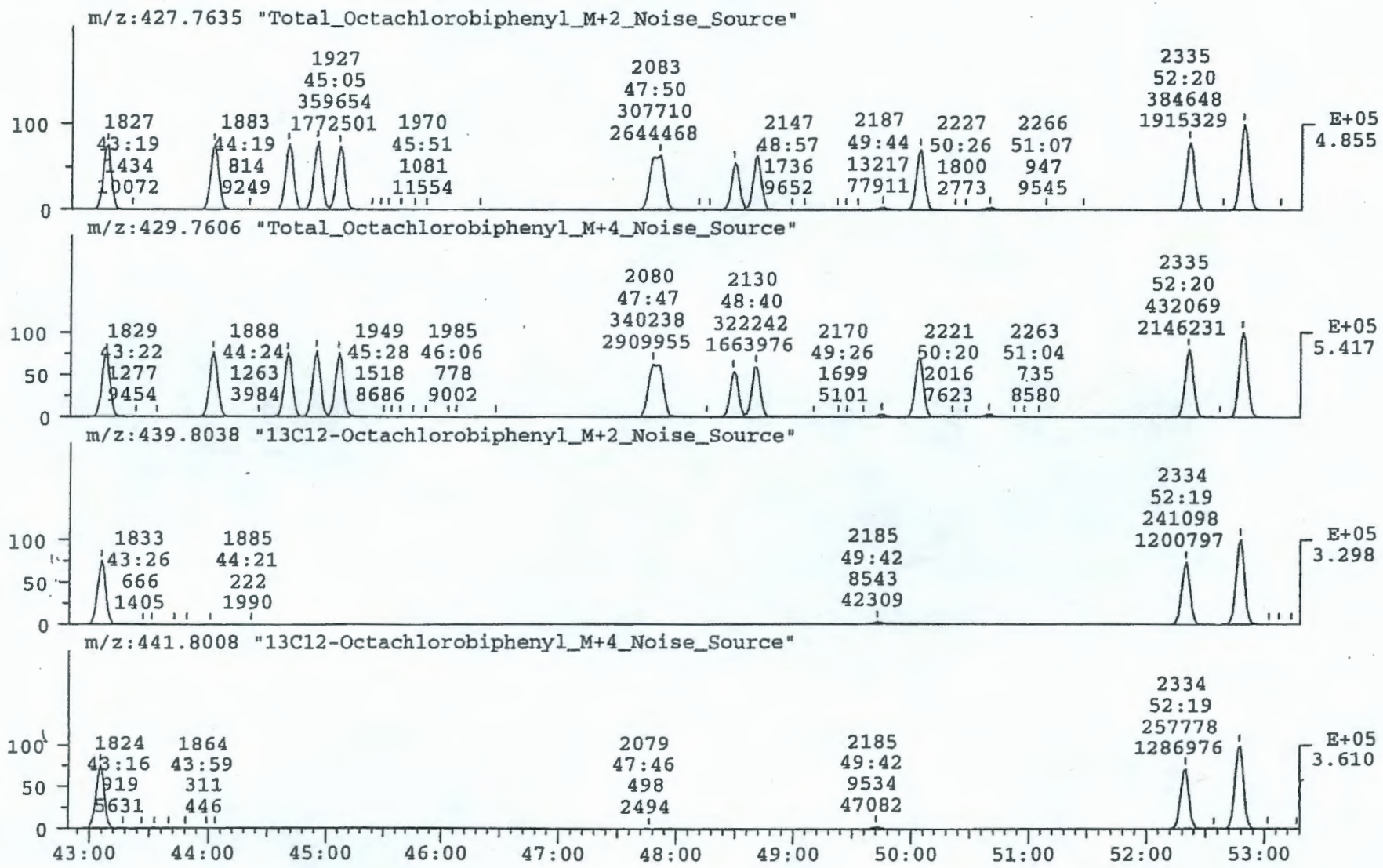
CHRO: a070313ss 14-Mar-07 Elapse: 47:34 2068
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 2033 > 2093 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 1 Label : -3, 3.0
Disp: Height Area



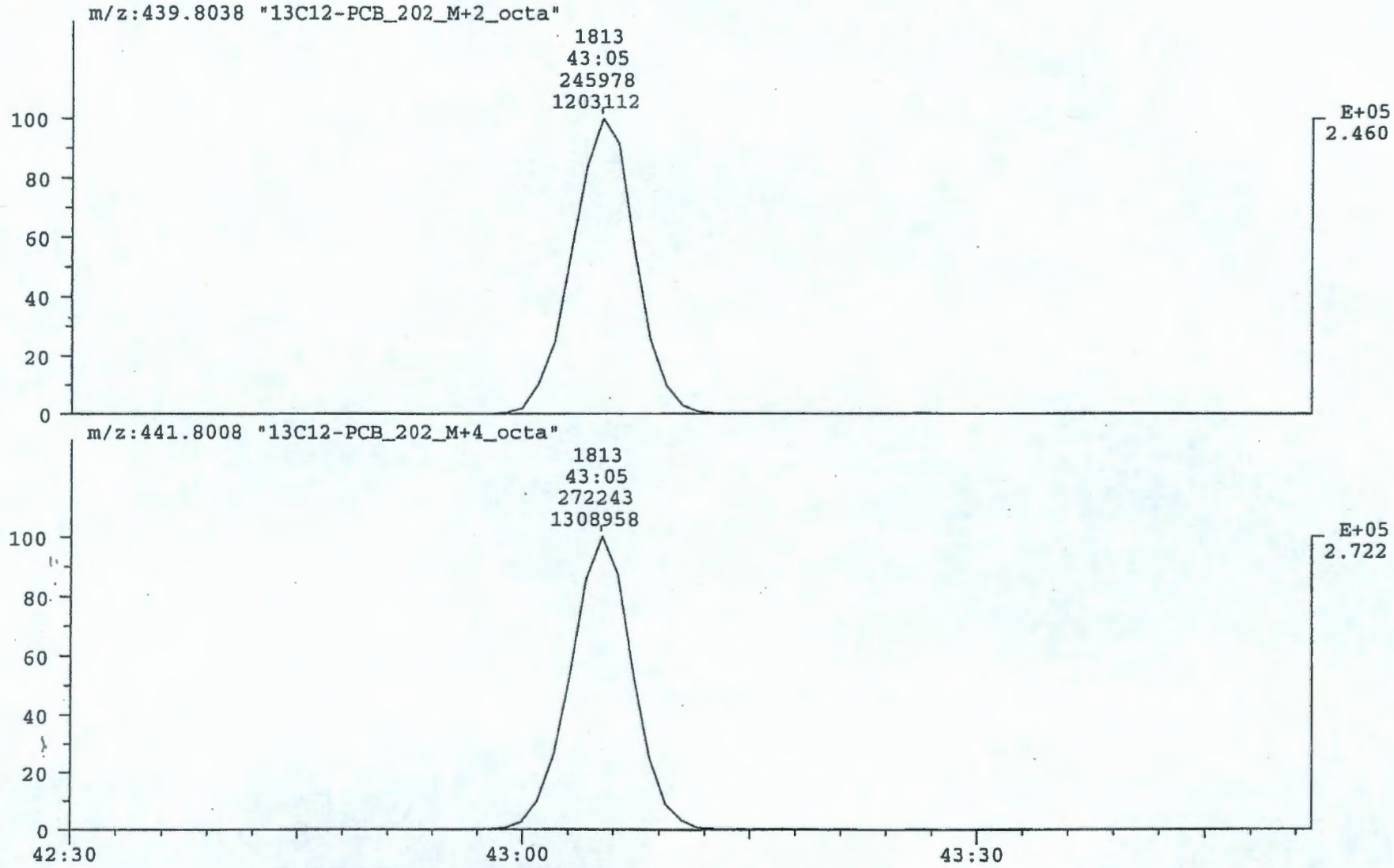
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  50:19      2220
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial  9
Peak:  100.00  ppm     Label wndw:   2196 > 2247           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



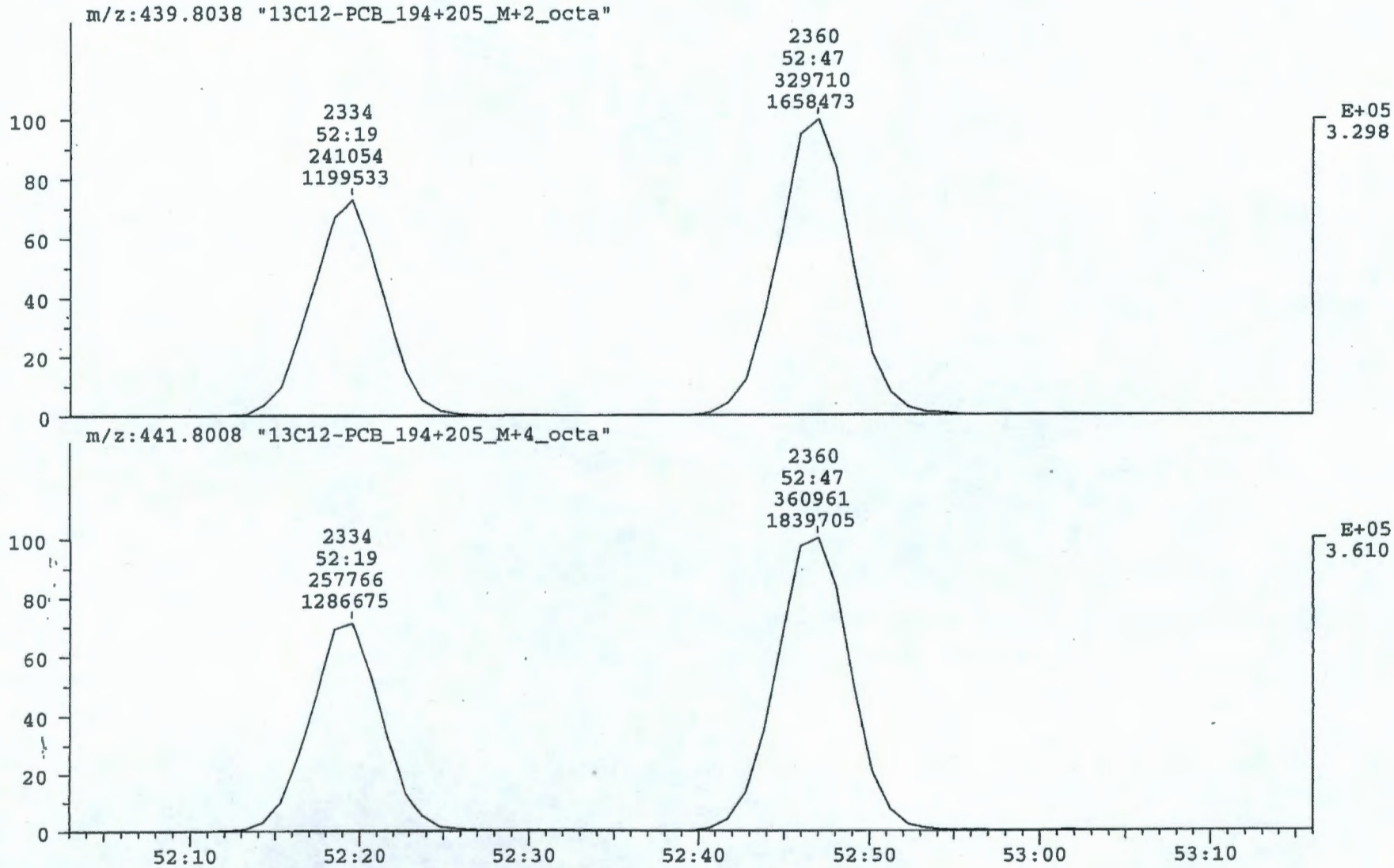
CHRO: a070313ss 14-Mar-07 Elapse: 48:03 2095
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 1798 > 2389 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



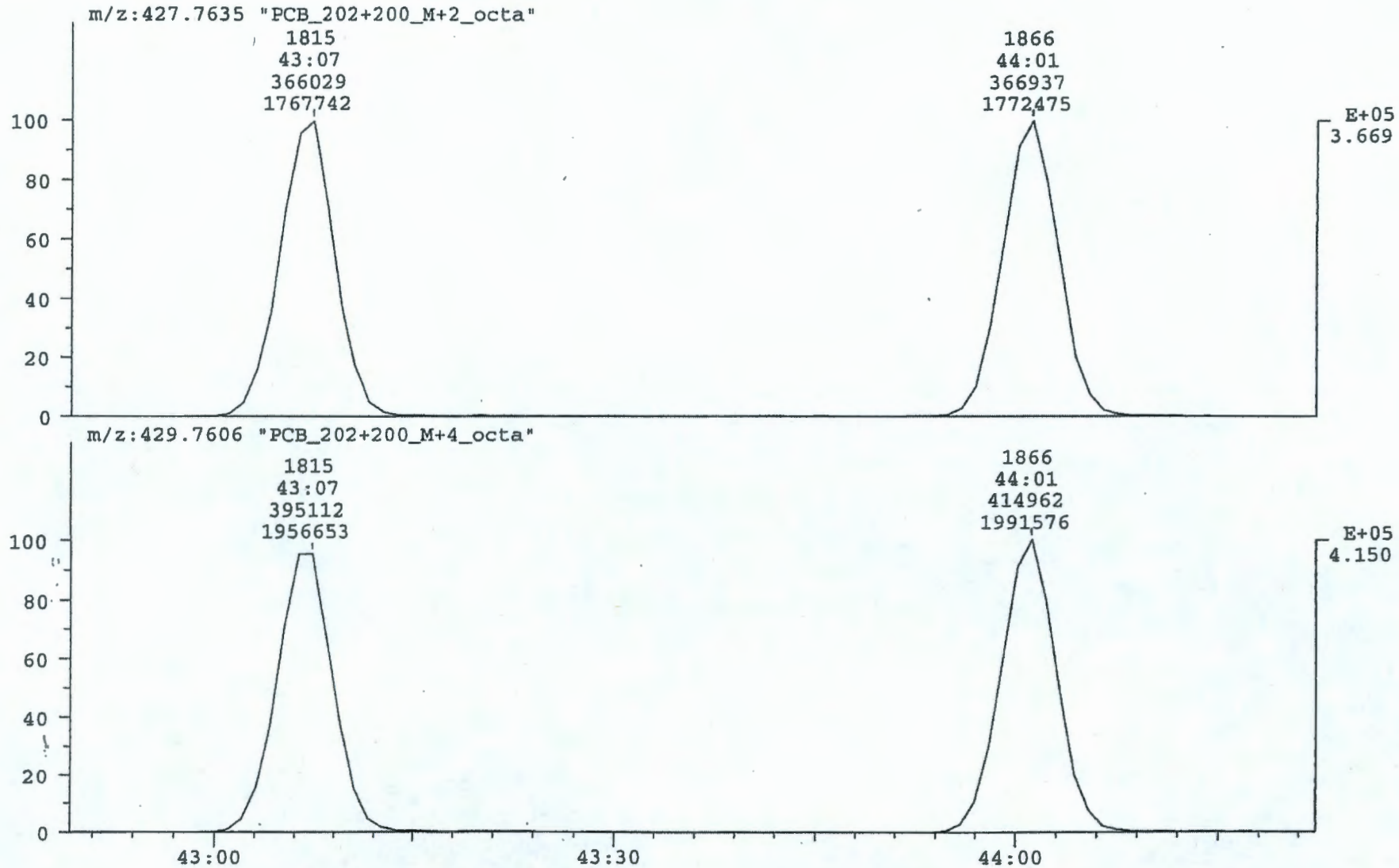
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  43:08      1816
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   9
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
```



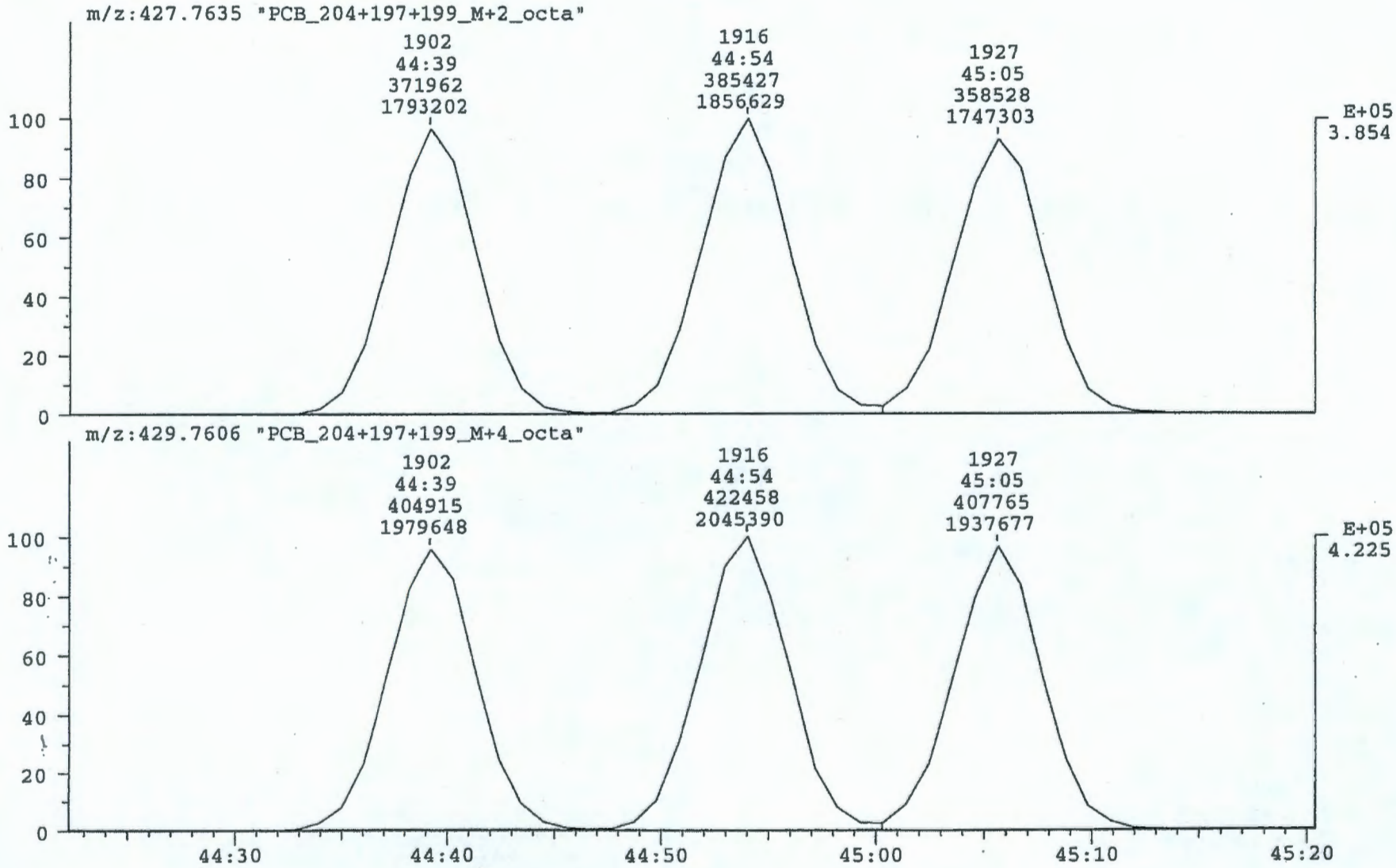
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  52:38      2352
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   2318 > 2388           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



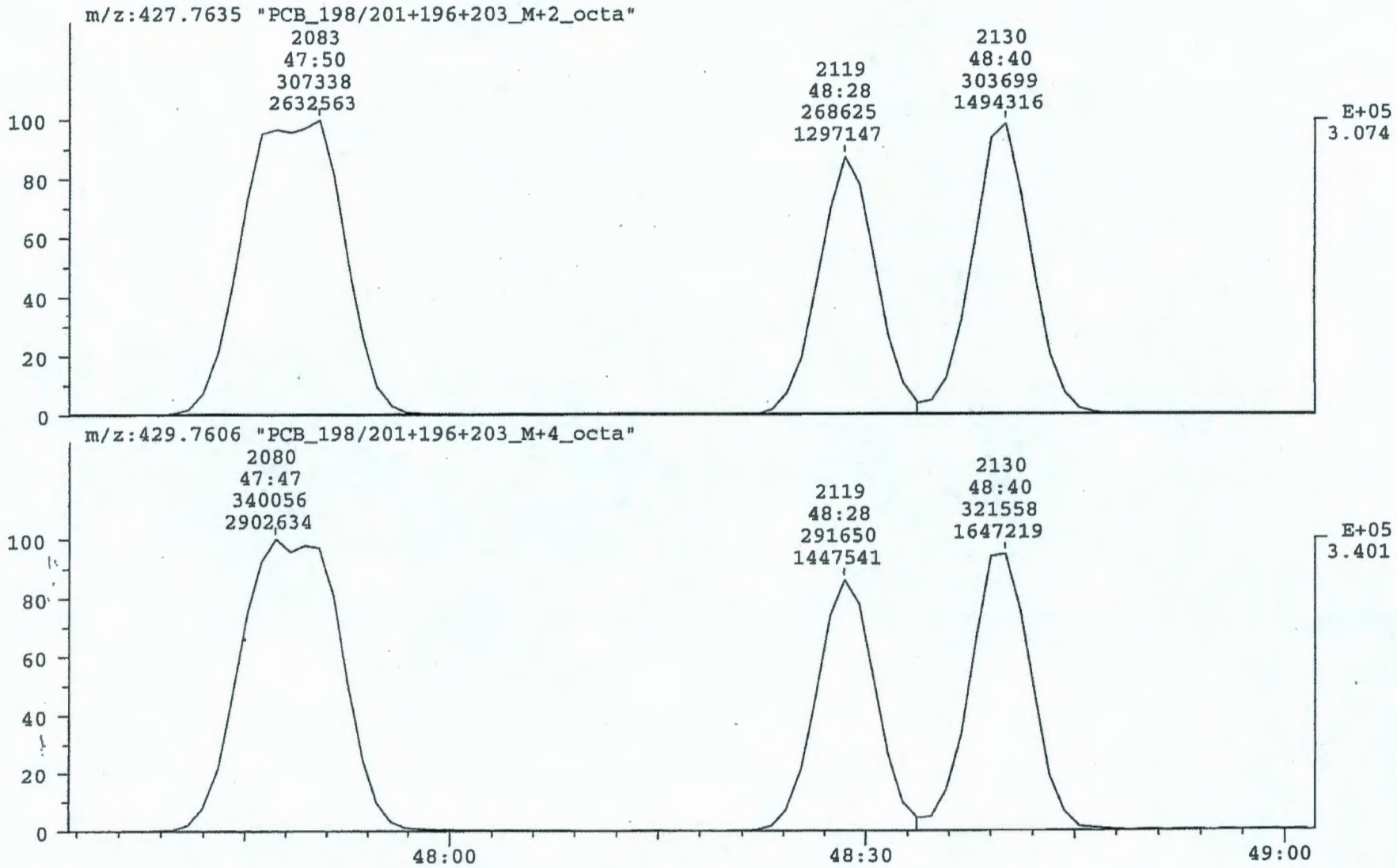
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  43:40      1846
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   9
Peak:  100.00  ppm    Label wndw:   1798 > 1886             Masses:  181 > 510
Area:  5, 0.50, 15    Baseline  :   100, 3                  Label :  -3, 3.0
Disp:  Height  Area
```



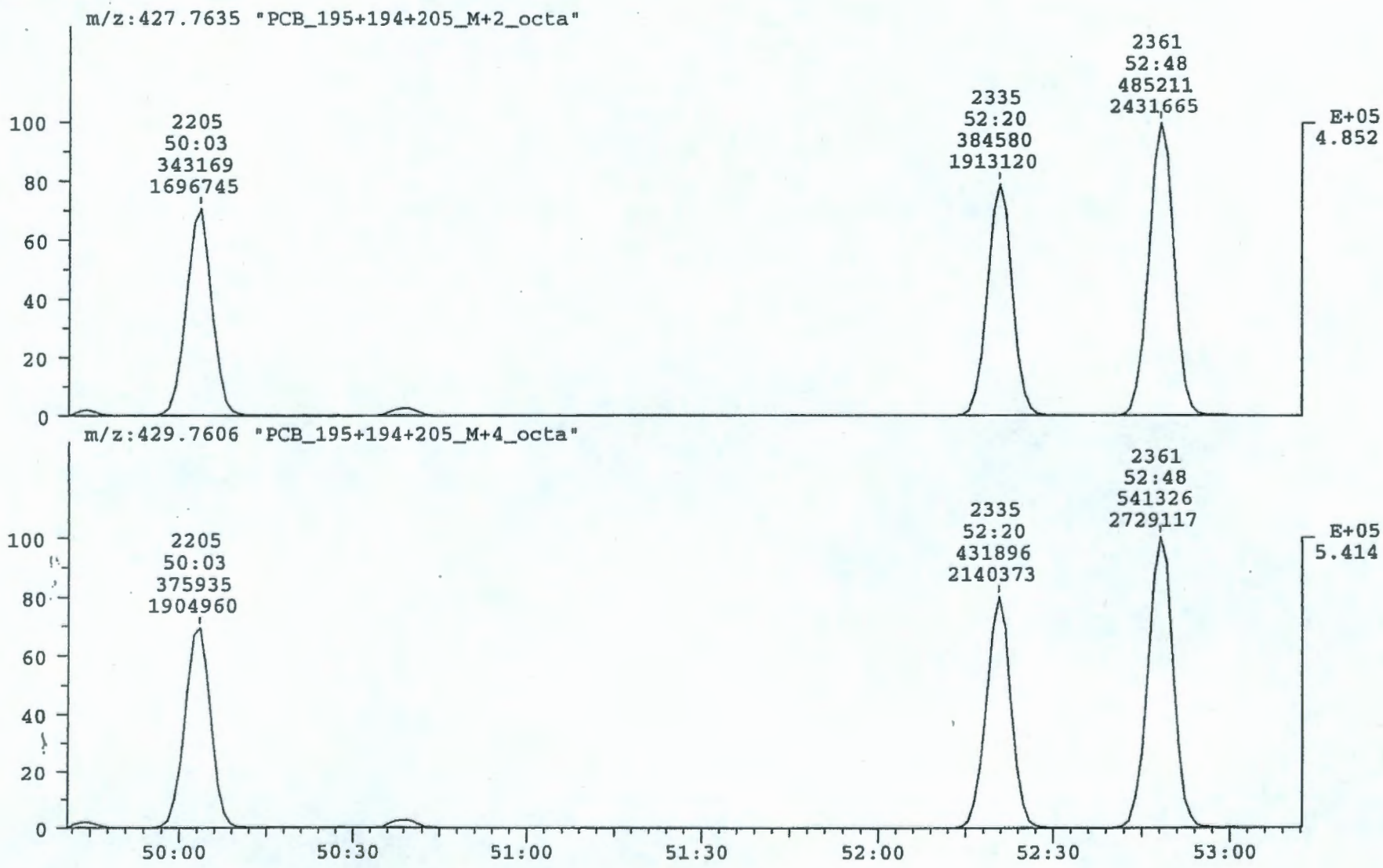
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  44:43      1906
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   1886 > 1941           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



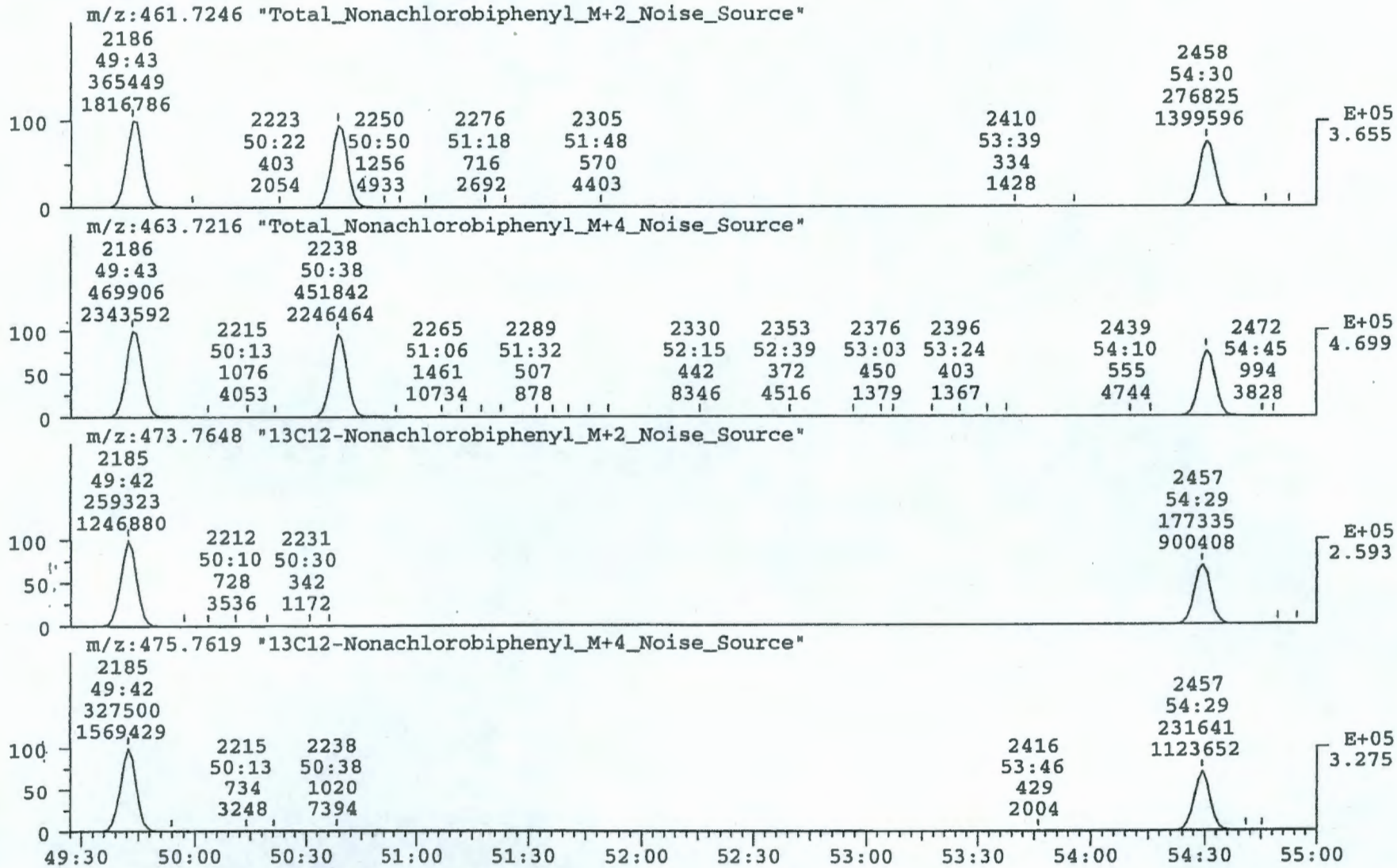
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  48:32      2123
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   2066 > 2151           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



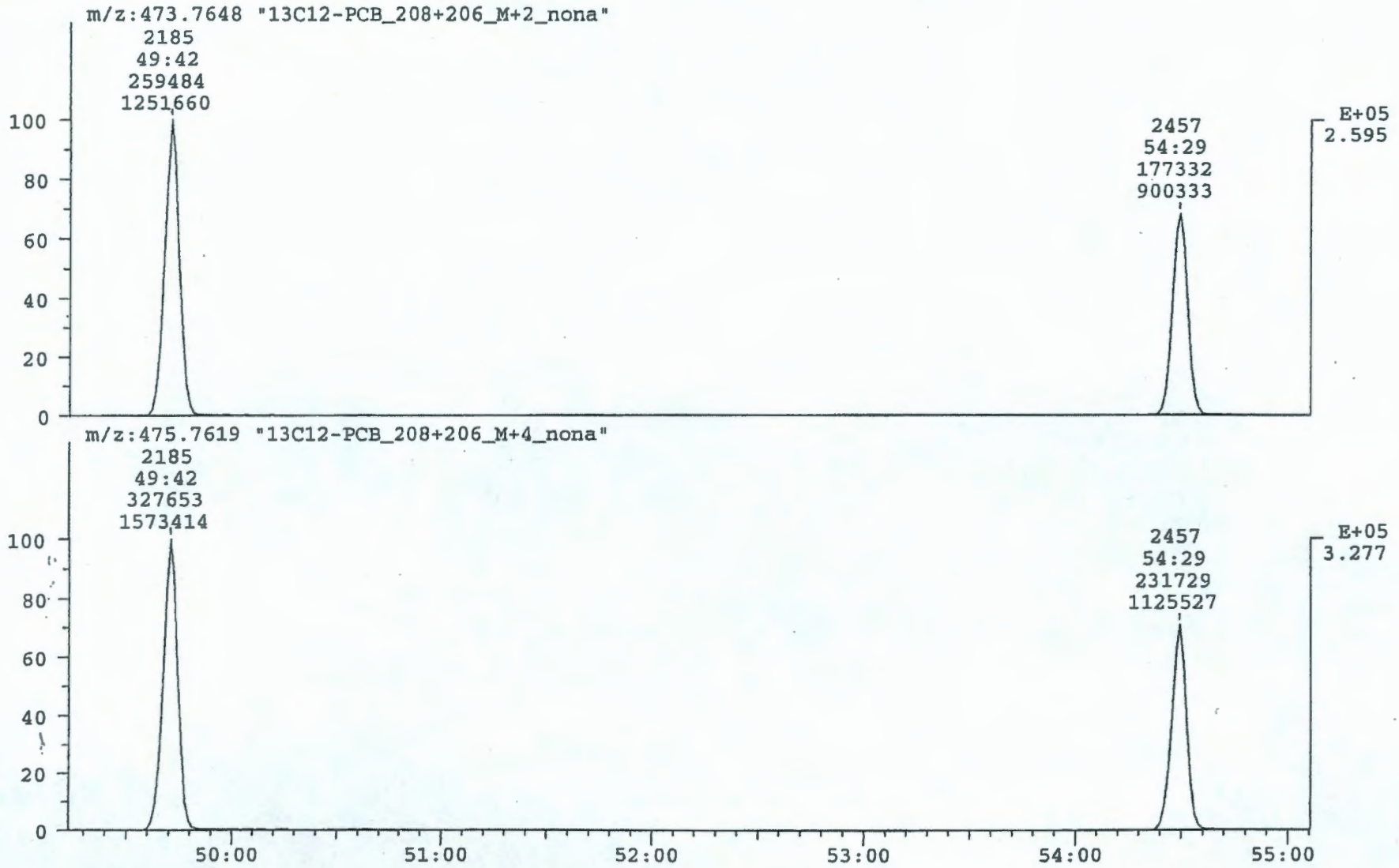
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  52:24      2339
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   2184 > 2384          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



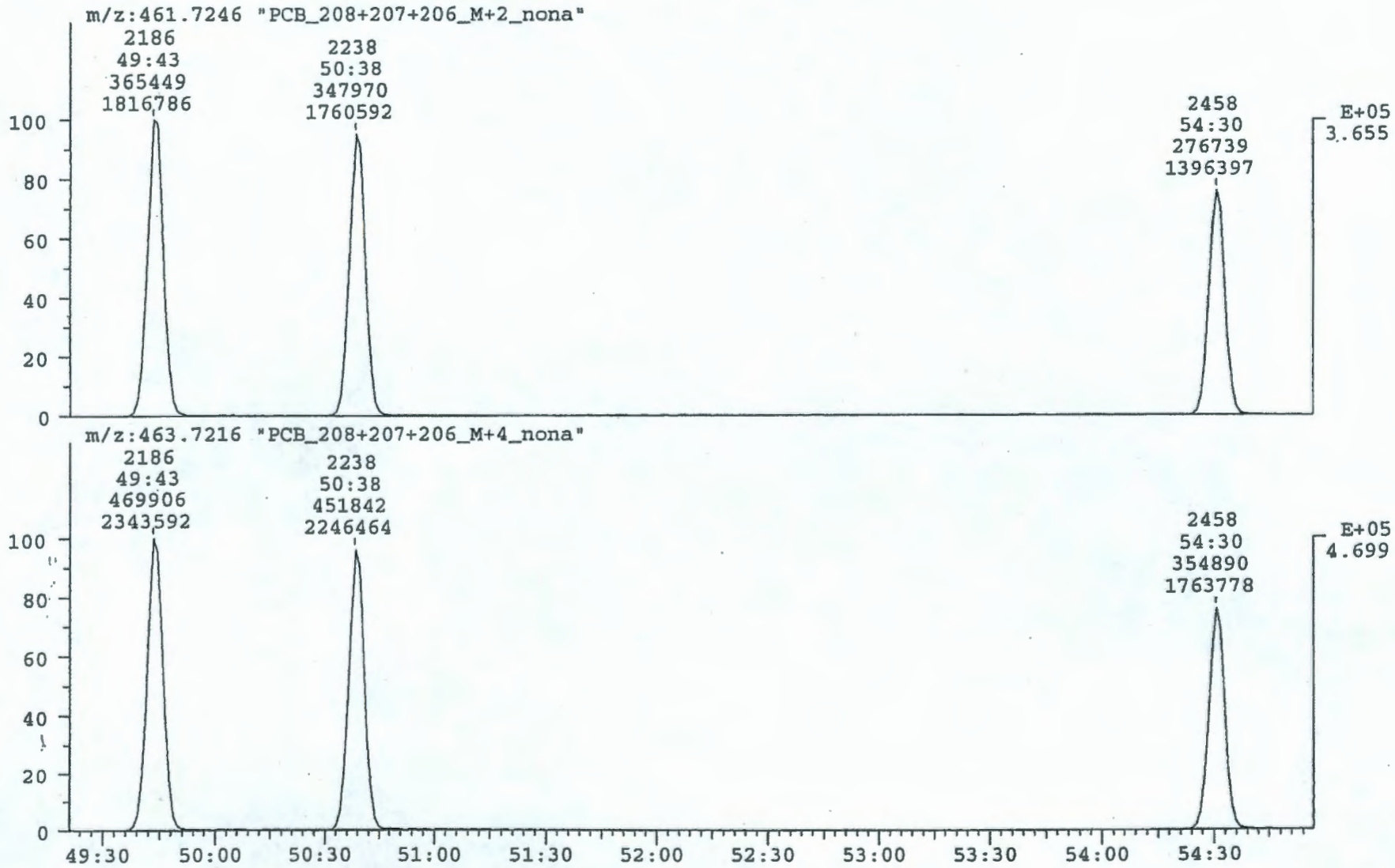
CHRO: a070313ss 14-Mar-07 Elapse: 52:13 2328
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=mld/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 2171 > 2486 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



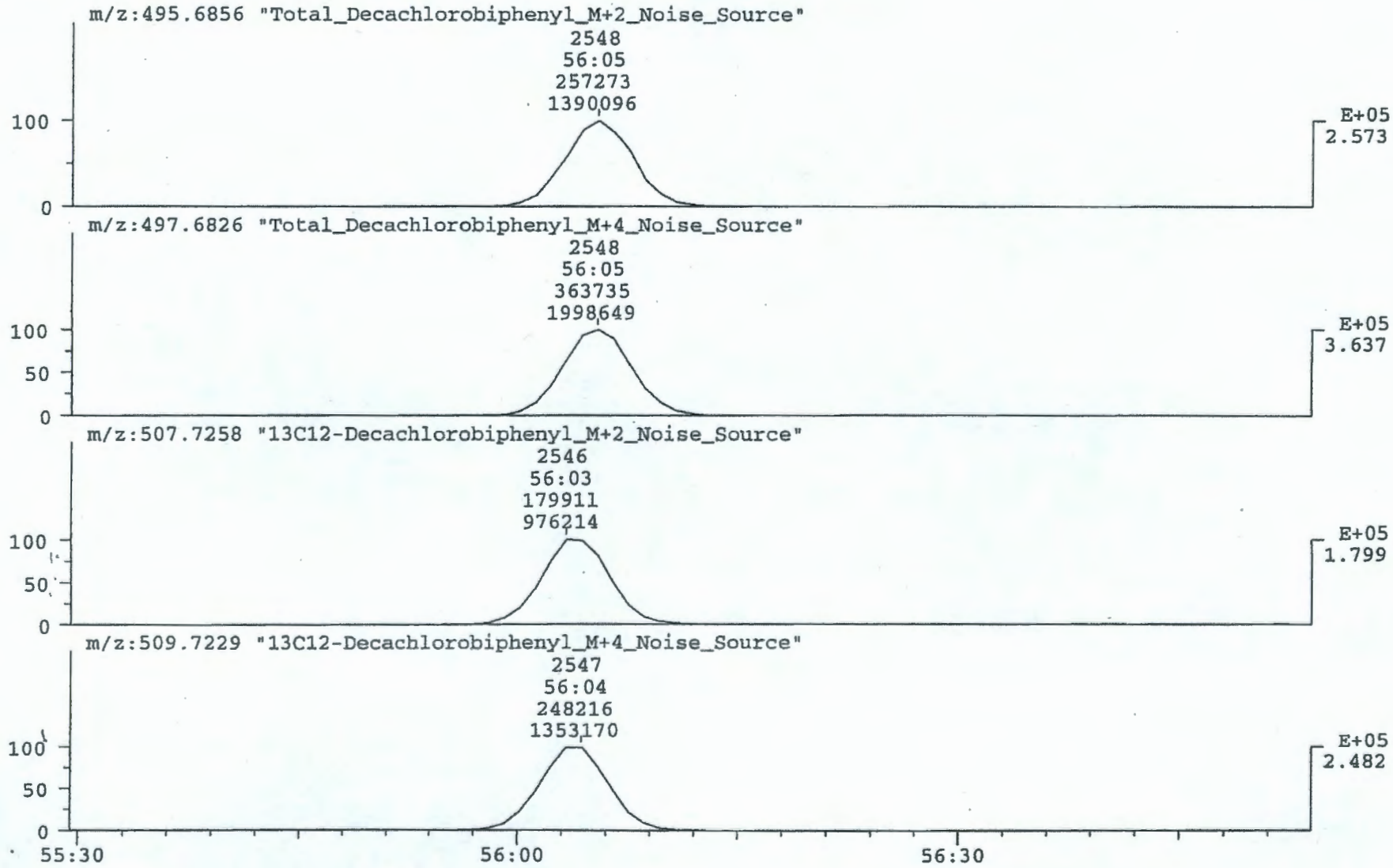
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  52:12      2327
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
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
```



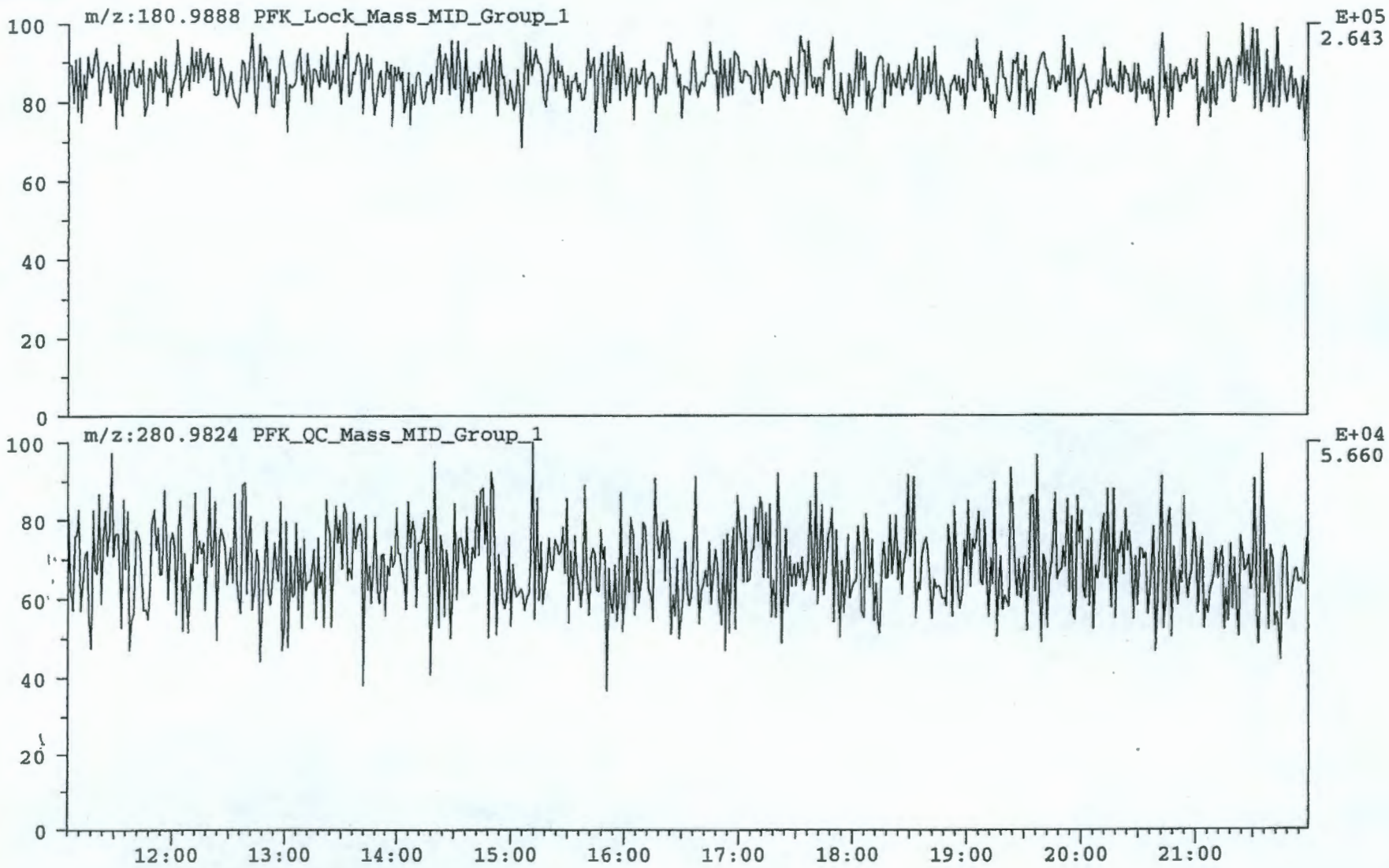
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  52:13      2328
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm      Label wndw:   2165 > 2483           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



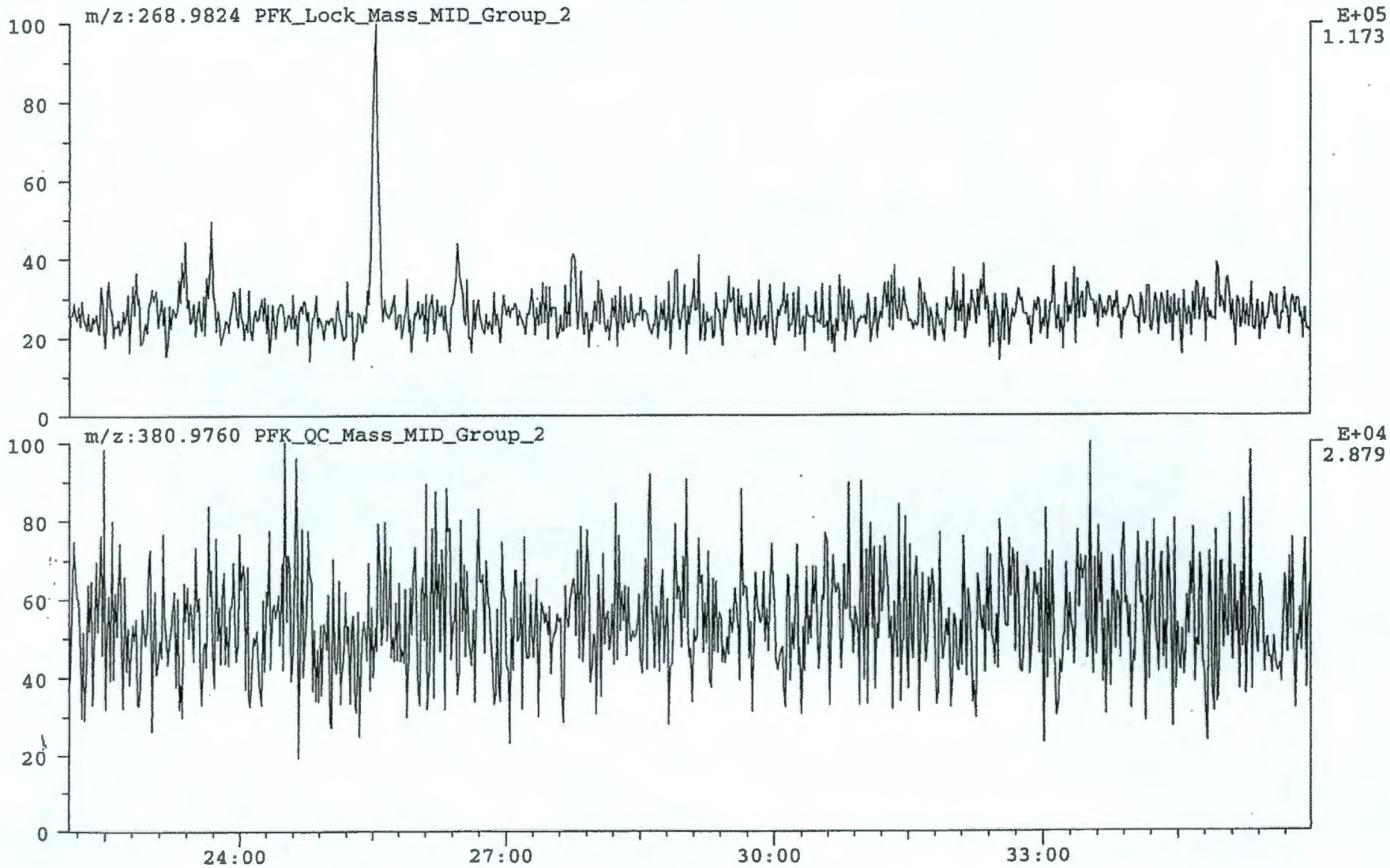
```
CHRO:  a070313ss                              14-Mar-07   Elapse:  56:11      2554
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                   Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00  ppm     Label wndw:   2514 > 2594          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



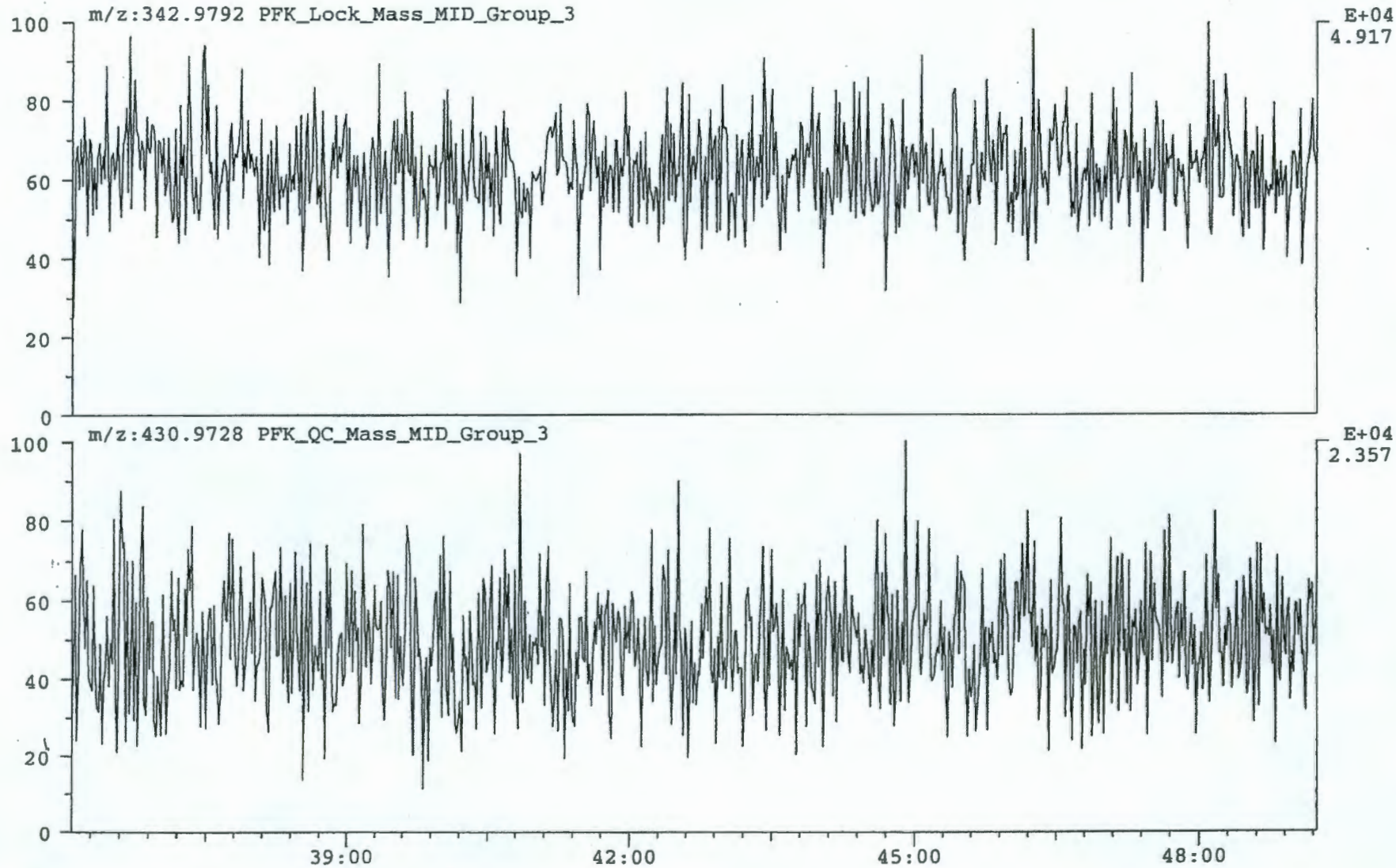
```
CHRO:  a070313ss                                14-Mar-07  Elapse:  56:11      2554
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                    Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   9
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
```



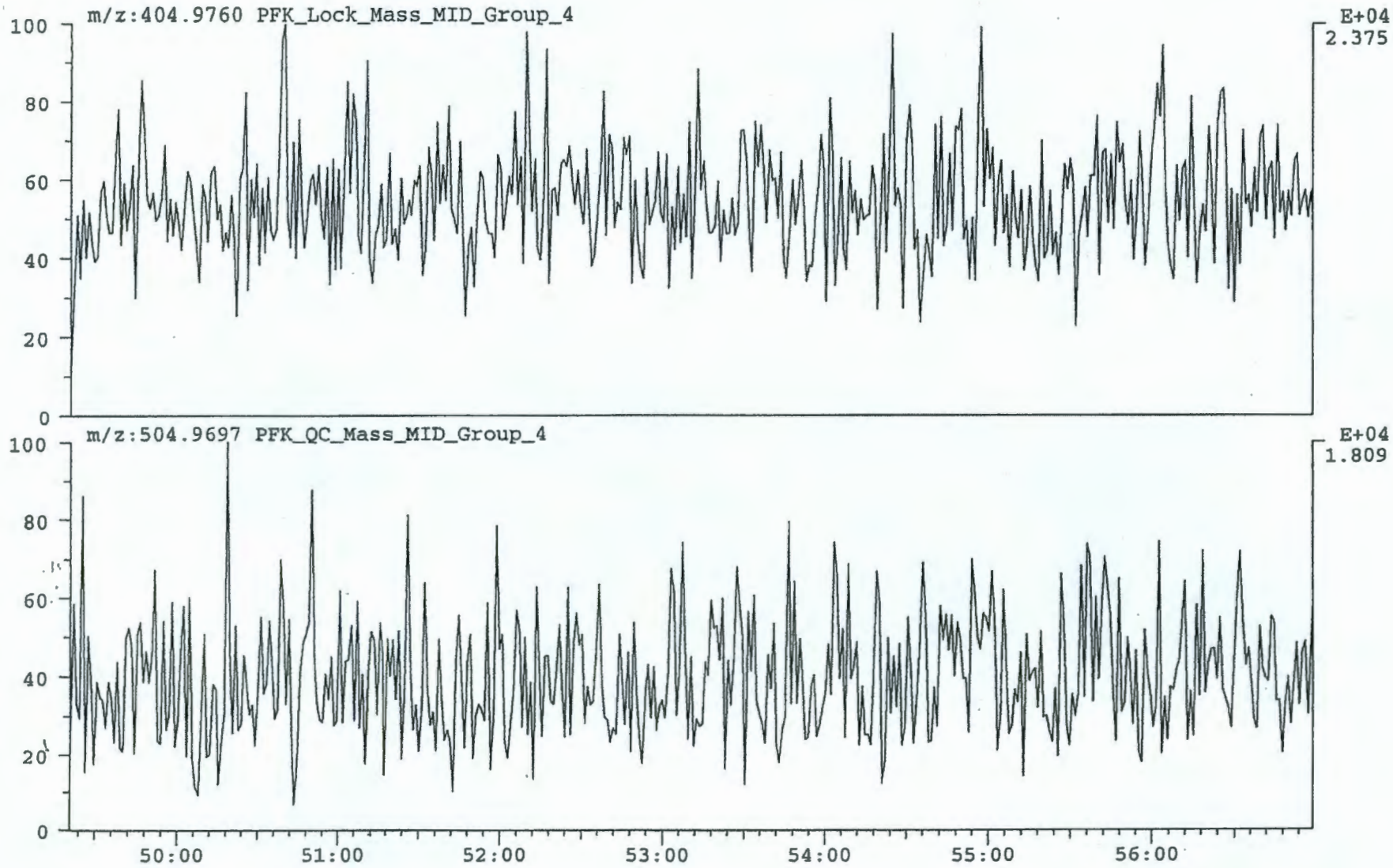
```
CHRO:  a070313ss                                14-Mar-07   Elapse:  56:11      2554
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   9
Peak:  100.00 ppm       Label wndw:   626 > 1414            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  0, 0.0
Disp:  Height  Area
```



```
CHRO:  a070313ss                                14-Mar-07   Elapse:  56:11      2554
Samp:  Vial 9 WO=2990:74 Meth=IE3 Dil=1                     Start :  02:09:24   2600
Comm:  Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  ICAL SS
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   9
Peak:  100.00  ppm     Label wndw:   1417 > 2162            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  0, 0.0
Disp:  Height  Area
```



CHRO: a070313ss 14-Mar-07 Elapse: 56:11 2554
Samp: Vial 9 WO=2990:74 Meth=IE3 Dil=1 Start : 02:09:24 2600
Comm: Inst=m1d/35055-03a Batch=20070313i Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : ICAL SS
Oper: DCG Client: STL Knoxville Inlet : GC Vial 9
Peak: 100.00 ppm Label wndw: 2165 > 2599 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area



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

ICL Version: 10.710
File name: a070313ss
Study: ICAL SS
Sample: WO=2990:74 Meth=IE3 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: STL Knoxville
Comments: Inst=m1d/35055-03a Batch=20070313i Ccal=METHOD
Injected volume: 2.00
Sample from Vial 9
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 8 of list 070313
ICL procedure: sleep7x
MID procedure: epa1668n

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 | 14:00 min | 36:00 min | 1.00 sec |
| # 3 | 36:00 min | 13:15 min | 49:15 min | 1.00 sec |
| # 4 | 49:15 min | 7:45 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 : epa1668n

| | | | |
|---|---|---|---|
| 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 | 1032.2528 |
| 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 | 0.0000 | DITSET | 0.0000 | DRAW | -21.8250 |
| DRAWC | 1.0000 | DRAWS | 0.0050 | ECORR | 1.0001 |
| ECURR | 1.0000 | EDAC | 7969177.0000 | EDACG | 0.9998 |
| EDACR | 23.0000 | EDACZ | 1219.0000 | ELEN | 75.3500 |
| EMULT | 1.6000 | ENS | 178.0000 | 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 | 1002.6738 | FSLOPE | 54000000.0000 | FVANAL | 260.0000 |
| FVINLET | 267.0000 | FVSRC | 856.0000 | FWIN | 0.7000 |
| GCTC | 214.0000 | GCTI | 270.0000 | GCTL | 280.0000 |
| HACCU | 187.0000 | HCURR | 1.0686 | HVANAL | 1306.0000 |
| HVSRC | 0.0000 | ICAL0 | 0.0011 | ICAL1 | 0.4030 |
| ICAL2 | 0.5865 | IONEN | 4771.6680 | 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 | 1291.0000 | LENSS | 83.6000 |
| LKM | 180.9888 | LM | 800.0000 | LMASS | 180.9888 |
| LMII | 500.0000 | MASS | 180.9888 | MDAC | 2352236.4350 |

| | | | | | |
|---|---|---|---|---|---|
| MDACR | 23.0000 | MRANGE | 1032.2528 | MSFM | 2.0000 |
| MSLM | 3790.0000 | NPEAK | 200.0000 | NSAM | 200.0000 |
| NSCAN | 2589.0000 | NSMAX | 8.0000 | NSMIN | 2.0000 |
| OCT | -2.0000 | PSAM | 10.0000 | PUSHER | -6.0250 |
| RDRAW | 0.0000 | RDRAWC | 0.0000 | RECURR | 0.0000 |
| RELEN | 0.0000 | RES | 10280.6324 | RFAMP | 799.9987 |
| RFCUR | 100.0110 | RPUSHER | 0.0000 | RWIN | 2.0000 |
| SACCU | 1.0000 | SCIDLE | 1.0000 | SHIELD | 2592.0000 |
| SHIELDS | 0.0000 | SHIGH | 180.0000 | SKIM | 7.0000 |
| SLOW | 60.0000 | SPRAY | 8.0000 | SS | 5.0000 |
| SW | 0.0500 | TANAL | 420.7700 | TCURR | 0.7422 |
| 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 | 2.2000 | USERVAR | 0.0000 | VAPTEMP | 599.9997 |
| VAPTSET | 400.0000 | VMASS | 180.9888 | XLENS | 2000.0000 |
| XLENSS | -28.8000 | YLENS | 2655.0000 | YLENSS | -33.6000 |

Scantype is electric
Sourcemode is EI POS

Analysis started at: 14-Mar-07 02:09:24.9

Autosampler has injected sample from vial 9
MID Time Window 1: Resolution is 6033
MID Time Window 2: Resolution is 7472
MID Time Window 3: Resolution is 9525
MID Time Window 4: Resolution is 8099
Analysis stopped at: 14-Mar-07 03:06:27.5 (run time 57.02 minutes)
Analysis stopped because MID run finished

Procedure change to KNOX-ID-0013, Rev. 4, Analysis of Polychlorinated Biphenyl (PCB) Isomers by Isotope Dilution HRGC/HRMS

**Table 2**

**RT References, Quantitation References, Retention Times (RT) and Relative Retiontion Times (RRT) for the 209 CB Congeners on SPB-Octyl**

| CI No[1] | BZ/IUPAC No[2,3] | RT Ref[4] | Quantitaion Reference[5] | RT[6] | RRT[7] | RRT Limit[8] | RT Win[9] (sec) |
|---|---|---|---|---|---|---|---|
| **Monochlorobiphenyls** | | | | | | | |
| 1 | 1L | 9L | 9L | 12:12 | 0.7323 | 0.7173 - 0.7473 | 30 |
| 1 | 3L | 9L | 9L | 14:25 | 0.8653 | 0.8502 - 0.8802 | 30 |
| 1 | 1 | 1L | 1L | 12:13 | 1.0015 | 0.9946 - 1.0082 | 10 |
| 1 | 2 | 3L | 1L/3L | 14:16 | 0.9894 | 0.9858 - 0.9928 | 6 |
| 1 | 3 | 3L | 3L | 14:26 | 1.0009 | 0.9974 - 1.0043 | 6 |
| **Dichlorobiphenyls** | | | | | | | |
| 2 | 4L | 9L | 9L | 14:42 | 0.8827 | 0.8676 - 0.8976 | 30 |
| 2 | 9L | 9L | 9L | 16:39 | 1.0000 | 0.9874 - 1.0125 | 25 |
| 2 | 8L | 4L | 4L/15L | 17:32 | 1.1927 | 1.1892 - 1.1960 | 6 |
| 2 | 15L | 9L | 9L | 20:41 | 1.2412 | 1.2311 - 1.2511 | 20 |
| 2 | 4 | 4L | 4L | 14:43 | 1.0012 | 0.9955 - 1.0068 | 10 |
| 2 | 10 | 4L | 4L/15L | 14:54 | 1.0129 | 1.0095 - 1.0163 | 6 |
| 2 | 9 | 4L | 4L/15L | 16:41 | 1.1349 | 1.1315 - 1.1383 | 6 |
| 2 | 7 | 4L | 4L/15L | 16:50 | 1.1451 | 1.1417 - 1.1485 | 6 |
| 2 | 6 | 4L | 4L/15L | 17:07 | 1.1647 | 1.1613 - 1.1681 | 6 |
| 2 | 5 | 4L | 4L/15L | 17:26 | 1.1859 | 1.1824 - 1.1892 | 6 |
| 2 | 8 | 4L | 4L/15L | 17:34 | 1.1946 | 1.1911 - 1.1979 | 6 |
| 2 | 14 | 15L | 4L/15L | 19:09 | 0.9264 | 0.9239 - 0.9287 | 6 |
| 2 | 11 | 15L | 4L/15L | 20:04 | 0.9704 | 0.9679 - 0.9728 | 6 |
| 2 | 13 | 15L | 4L/15L | 20:20 | 0.9836 | 0.9811 - 0.9859 | 6 |
| 2 | 12 | 15L | 4L/15L | 20:23 | 0.9857 | 0.9832 - 0.9881 | 6 |
| 2 | 15 | 15L | 15L | 20:41 | 1.0007 | 0.9967 - 1.0047 | 10 |
| **Trichlorobiphenyls** | | | | | | | |
| 3 | 19L | 32L | 32L | 17:53 | 0.8458 | 0.8339 - 0.8576 | 30 |
| 3 | 32L | 32L | 32L | 21:09 | 1.0000 | 0.9976 - 1.0023 | 6 |
| 3 | 31L | 31L | 31L | 23:24 | 1.0000 | 0.9978 - 1.0021 | 6 |
| 3 | 28L | 31L | 31L | 23:41 | 1.0123 | 1.0052 - 1.0194 | 20 |
| 3 | 37L | 31L | 31L | 27:46 | 1.1869 | 1.1761 - 1.1975 | 30 |
| 3 | 19 | 19L | 19L | 17:55 | 1.0014 | 0.9967 - 1.0060 | 10 |
| 3 | 30 | 19L | 19L | 19:38 | 1.0982 | 1.0954 - 1.1010 | 6 |
| 3 | 18 | 19L | 19L | 19:45 | 1.1048 | 1.1019 - 1.1075 | 6 |
| 3 | 17 | 19L | 19L | 20:10 | 1.1271 | 1.1243 - 1.1299 | 6 |
| 3 | 27 | 19L | 19L | 20:25 | 1.1414 | 1.1386 - 1.1441 | 6 |
| 3 | 24 | 19L | 19L | 20:31 | 1.1473 | 1.1445 - 1.1501 | 6 |
| 3 | 16 | 19L | 19L | 20:41 | 1.1560 | 1.1532 - 1.1587 | 6 |
| 3 | 32 | 19L | 19L | 21:11 | 1.1839 | 1.1811 - 1.1867 | 6 |
| 3 | 34 | 19L | 37L | 22:24 | 1.2523 | 1.2494 - 1.2550 | 6 |
| 3 | 23 | 19L | 37L | 22:31 | 1.2591 | 1.2562 - 1.2618 | 6 |
| 3 | 29 | 19L | 37L | 22:51 | 1.2771 | 1.2724 - 1.2817 | 10 |
| 3 | 26 | 19L | 37L | 22:52 | 1.2790 | 1.2743 - 1.2836 | 10 |
| 3 | 25 | 37L | 37L | 23:05 | 0.8313 | 0.8294 - 0.8330 | 6 |
| 3 | 31 | 37L | 37L | 23:26 | 0.8437 | 0.8418 - 0.8454 | 6 |
| 3 | 28 | 37L | 37L | 23:42 | 0.8537 | 0.8506 - 0.8566 | 10 |
| 3 | 20 | 37L | 37L | 23:47 | 0.8565 | 0.8534 - 0.8594 | 10 |
| 3 | 21 | 37L | 37L | 23:54 | 0.8607 | 0.8576 - 0.8636 | 10 |
| 3 | 33 | 37L | 37L | 24:00 | 0.8643 | 0.8612 - 0.8672 | 10 |
| 3 | 22 | 37L | 37L | 24:24 | 0.8787 | 0.8768 - 0.8804 | 6 |
| 3 | 36 | 37L | 37L | 25:55 | 0.9329 | 0.9310 - 0.9346 | 6 |
| 3 | 39 | 37L | 37L | 26:16 | 0.9459 | 0.9440 - 0.9476 | 6 |
| 3 | 38 | 37L | 37L | 26:52 | 0.9672 | 0.9654 - 0.9690 | 6 |

DC, DCG 3-22-07

BW 3/22/07

## Table 2

### RT References, Quantitation References, Retention Times (RT) and Relative Retiontion Times (RRT) for the 209 CB Congeners on SPB-Octyl

| Cl No[1] | BZ/IUPAC No[2,3] | RT Ref[4] | Quantitaion Reference[5] | RT[6] | RRT[7] | RRT Limit[8] | RT Win[9] (sec) |
|---|---|---|---|---|---|---|---|
| 3 | 35 | 37L | 37L | 27:23 | 0.9862 | 0.9844 - 0.9880 | 6 |
| 3 | 37 | 37L | 37L | 27:48 | 1.0006 | 0.9988 - 1.0024 | 6 |
| Tetrachlorobiphenyls | | | | | | | |
| 4 | 54L | 52L | 32L | 21:02 | 0.8233 | 0.8167 - 0.8298 | 20 |
| 4 | 52L | 52L | 52L | 25:33 | 1.0000 | 0.9918 - 1.0081 | 25 |
| 4 | 79L | 81L | 81L/77L | 33:28 | 0.9699 | 0.9684 - 0.9713 | 6 |
| 4 | 81L | 52L | 52L | 34:30 | 1.3506 | 1.3440 - 1.3570 | 20 |
| 4 | 77L | 52L | 52L | 35:06 | 1.3737 | 1.3672 - 1.3802 | 20 |
| 4 | 54 | 54L | 54L | 21:03 | 1.0006 | 0.9966 - 1.0045 | 10 |
| 4 | 50 | 54L | 81L/77L | 23:10 | 1.1015 | 1.0975 - 1.1054 | 10 |
| 4 | 53 | 54L | 81L/77L | 23:11 | 1.1026 | 1.0986 - 1.1065 | 10 |
| 4 | 45 | 54L | 81L/77L | 23:53 | 1.1361 | 1.1321 - 1.1400 | 10 |
| 4 | 51 | 54L | 81L/77L | 23:56 | 1.1377 | 1.1337 - 1.1416 | 10 |
| 4 | 46 | 54L | 81L/77L | 24:14 | 1.1520 | 1.1495 - 1.1543 | 6 |
| 4 | 52 | 54L | 81L/77L | 25:34 | 1.2161 | 1.2137 - 1.2185 | 6 |
| 4 | 73 | 54L | 81L/77L | 25:41 | 1.2214 | 1.2190 - 1.2237 | 6 |
| 4 | 43 | 54L | 81L/77L | 25:47 | 1.2262 | 1.2237 - 1.2285 | 6 |
| 4 | 69 | 54L | 81L/77L | 25:56 | 1.2330 | 1.2290 - 1.2369 | 10 |
| 4 | 49 | 54L | 81L/77L | 26:03 | 1.2386 | 1.2346 - 1.2425 | 10 |
| 4 | 48 | 54L | 81L/77L | 26:19 | 1.2515 | 1.2491 - 1.2538 | 6 |
| 4 | 65 | 54L | 81L/77L | 26:32 | 1.2616 | 1.2575 - 1.2655 | 10 |
| 4 | 47 | 54L | 81L/77L | 26:34 | 1.2634 | 1.2594 - 1.2673 | 10 |
| 4 | 44 | 54L | 81L/77L | 26:36 | 1.2647 | 1.2607 - 1.2686 | 10 |
| 4 | 62 | 54L | 81L/77L | 26:48 | 1.2745 | 1.2705 - 1.2784 | 10 |
| 4 | 75 | 54L | 81L/77L | 26:52 | 1.2779 | 1.2739 - 1.2818 | 10 |
| 4 | 59 | 54L | 81L/77L | 26:55 | 1.2795 | 1.2755 - 1.2834 | 10 |
| 4 | 42 | 54L | 81L/77L | 27:07 | 1.2893 | 1.2869 - 1.2916 | 6 |
| 4 | 41 | 54L | 81L/77L | 27:32 | 1.3088 | 1.3048 - 1.3127 | 10 |
| 4 | 71 | 54L | 81L/77L | 27:37 | 1.3133 | 1.3093 - 1.3172 | 10 |
| 4 | 40 | 54L | 81L/77L | 27:40 | 1.3157 | 1.3117 - 1.3196 | 10 |
| 4 | 64 | 54L | 81L/77L | 27:49 | 1.3228 | 1.3204 - 1.3252 | 6 |
| 4 | 72 | 81L | 81L/77L | 28:37 | 0.8292 | 0.8277 - 0.8306 | 6 |
| 4 | 68 | 81L | 81L/77L | 28:52 | 0.8368 | 0.8353 - 0.8382 | 6 |
| 4 | 57 | 81L | 81L/77L | 29:19 | 0.8500 | 0.8485 - 0.8514 | 6 |
| 4 | 58 | 81L | 81L/77L | 29:35 | 0.8576 | 0.8561 - 0.8590 | 6 |
| 4 | 67 | 81L | 81L/77L | 29:42 | 0.8611 | 0.8596 - 0.8625 | 6 |
| 4 | 63 | 81L | 81L/77L | 30:00 | 0.8693 | 0.8678 - 0.8707 | 6 |
| 4 | 61 | 81L | 81L/77L | 30:13 | 0.8758 | 0.8728 - 0.8786 | 12 |
| 4 | 70 | 81L | 81L/77L | 30:21 | 0.8795 | 0.8765 - 0.8823 | 12 |
| 4 | 76 | 81L | 81L/77L | 30:21 | 0.8798 | 0.8768 - 0.8826 | 12 |
| 4 | 74 | 81L | 81L/77L | 30:23 | 0.8807 | 0.8783 - 0.8831 | 10 |
| 4 | 66 | 81L | 81L/77L | 30:41 | 0.8896 | 0.8881 - 0.8910 | 6 |
| 4 | 55 | 81L | 81L/77L | 30:53 | 0.8951 | 0.8936 - 0.8965 | 6 |
| 4 | 56 | 81L | 81L/77L | 31:24 | 0.9100 | 0.9085 - 0.9114 | 6 |
| 4 | 60 | 81L | 81L/77L | 31:36 | 0.9160 | 0.9145 - 0.9174 | 6 |
| 4 | 80 | 81L | 81L/77L | 31:52 | 0.9239 | 0.9224 - 0.9253 | 6 |
| 4 | 79 | 81L | 81L/77L | 33:30 | 0.9709 | 0.9694 - 0.9723 | 6 |
| 4 | 78 | 81L | 81L/77L | 34:05 | 0.9876 | 0.9861 - 0.9890 | 6 |
| 4 | 81 | 81L | 81L | 34:32 | 1.0008 | 0.9993 - 1.0022 | 6 |
| 4 | 77 | 77L | 77L | 35:07 | 1.0004 | 0.9989 - 1.0018 | 6 |
| Pentachlorobiphenyls | | | | | | | |

Procedure change to KNOX-ID-0013, Rev. 4, Analysis of Polychlorinated Biphenyl (PCB) Isomers by Isotope Dilution HRGC/HRMS

## Table 2

### RT References, Quantitation References, Retention Times (RT) and Relative Retiontion Times (RRT) for the 209 CB Congeners on SPB-Octyl

| CI No[1] | BZ/IUPAC No[2,3] | RT Ref[4] | Quantitaion Reference[5] | RT[6] | RRT[7] | RRT Limit[8] | RT Win[9] (sec) |
|---|---|---|---|---|---|---|---|
| 5 | 104L | 101L | 101L | 26:28 | 0.8182 | 0.8130 - 0.8233 | 20 |
| 5 | 95L | 104L | 104L | 29:30 | 1.1143 | 1.1111 - 1.1173 | 10 |
| 5 | 101L | 101L | 101L | 32:21 | 1.0000 | 0.9935 - 1.0064 | 25 |
| 5 | 111L | 101L | 101L | 34:59 | 1.0813 | 1.0761 - 1.0864 | 20 |
| 5 | 123L | 101L | 127L | 37:01 | 1.1438 | 1.1386 - 1.1489 | 20 |
| 5 | 118L | 101L | 127L | 37:20 | 1.1537 | 1.1485 - 1.1588 | 20 |
| 5 | 114L | 101L | 127L | 37:52 | 1.1705 | 1.1653 - 1.1756 | 20 |
| 5 | 105L | 101L | 127L | 38:35 | 1.1923 | 1.1871 - 1.1974 | 20 |
| 5 | 127L | 127L | 127L | 39:58 | 1.0000 | 0.9947 - 1.0052 | 25 |
| 5 | 126L | 101L | 127L | 41:38 | 1.2868 | 1.2816 - 1.2919 | 20 |
| 5 | 104 | 104L | 104L | 26:30 | 1.0007 | 0.9975 - 1.0038 | 10 |
| 5 | 96 | 104L | 104L | 26:59 | 1.0189 | 1.0157 - 1.0220 | 10 |
| 5 | 103 | 104L | 104L | 28:47 | 1.0869 | 1.0850 - 1.0887 | 6 |
| 5 | 94 | 104L | 104L | 29:03 | 1.0974 | 1.0954 - 1.0992 | 6 |
| 5 | 95 | 104L | 104L | 29:33 | 1.1158 | 1.1126 - 1.1189 | 10 |
| 5 | 100 | 104L | 104L | 29:37 | 1.1186 | 1.1154 - 1.1217 | 10 |
| 5 | 93 | 104L | 104L | 29:42 | 1.1221 | 1.1189 - 1.1252 | 10 |
| 5 | 102 | 104L | 104L | 29:50 | 1.1268 | 1.1236 - 1.1298 | 10 |
| 5 | 98 | 104L | 104L | 29:54 | 1.1295 | 1.1263 - 1.1326 | 10 |
| 5 | 88 | 104L | 104L | 30:15 | 1.1427 | 1.1389 - 1.1464 | 12 |
| 5 | 91 | 104L | 104L | 30:22 | 1.1471 | 1.1439 - 1.1502 | 10 |
| 5 | 84 | 104L | 104L | 30:39 | 1.1576 | 1.1557 - 1.1594 | 6 |
| 5 | 89 | 104L | 104L | 31:07 | 1.1756 | 1.1737 - 1.1775 | 6 |
| 5 | 121 | 104L | 104L | 31:21 | 1.1840 | 1.1821 - 1.1859 | 6 |
| 5 | 92 | 123L | 104L | 31:49 | 0.8598 | 0.8584 - 0.8611 | 6 |
| 5 | 113 | 104L | 104L | 32:21 | 1.2218 | 1.2186 - 1.2249 | 10 |
| 5 | 90 | 104L | 104L | 32:22 | 1.2224 | 1.2192 - 1.2255 | 10 |
| 5 | 101 | 104L | 104L | 32:22 | 1.2226 | 1.2194 - 1.2257 | 10 |
| 5 | 83 | 104L | 104L | 32:55 | 1.2432 | 1.2394 - 1.2469 | 12 |
| 5 | 99 | 104L | 104L | 32:57 | 1.2444 | 1.2412 - 1.2475 | 10 |
| 5 | 112 | 104L | 104L | 33:05 | 1.2497 | 1.2478 - 1.2515 | 6 |
| 5 | 109/108 | 104L | 104L | 33:25 | 1.2621 | 1.2570 - 1.2670 | 16 |
| 5 | 86 | 104L | 104L | 33:29 | 1.2648 | 1.2597 - 1.2698 | 16 |
| 5 | 119 | 104L | 104L | 33:27 | 1.2633 | 1.2582 - 1.2683 | 16 |
| 5 | 97 | 104L | 104L | 33:30 | 1.2656 | 1.2605 - 1.2706 | 16 |
| 5 | 125 | 104L | 104L | 33:36 | 1.2688 | 1.2637 - 1.2738 | 16 |
| 5 | 87 | 104L | 104L | 33:39 | 1.2711 | 1.2679 - 1.2742 | 10 |
| 5 | 117 | 104L | 104L | 34:06 | 1.2881 | 1.2843 - 1.2918 | 12 |
| 5 | 116 | 104L | 104L | 34:10 | 1.2904 | 1.2866 - 1.2941 | 12 |
| 5 | 85 | 104L | 104L | 34:15 | 1.2940 | 1.2908 - 1.2970 | 10 |
| 5 | 110 | 104L | 104L | 34:25 | 1.3000 | 1.2968 - 1.3031 | 10 |
| 5 | 115 | 104L | 104L | 34:25 | 1.2998 | 1.2966 - 1.3029 | 10 |
| 5 | 82 | 104L | 104L | 34:47 | 1.3141 | 1.3122 - 1.3159 | 6 |
| 5 | 111 | 104L | 104L | 35:01 | 1.3225 | 1.3205 - 1.3243 | 6 |
| 5 | 120 | 104L | 104L | 35:29 | 1.3401 | 1.3382 - 1.3419 | 6 |
| 5 | 124 | 104L | 123L/114L/118L/105L/126L | 36:42 | 1.3858 | 1.3826 - 1.3889 | 10 |
| 5 | 108/107 | 104L | 123L/114L/118L/105L/126L | 36:41 | 1.3854 | 1.3822 - 1.3885 | 10 |
| 5 | 107/109 | 104L | 123L/114L/118L/105L/126L | 36:55 | 1.3942 | 1.3923 - 1.3961 | 6 |
| 5 | 123 | 123L | 123L | 37:01 | 1.0004 | 0.9990 - 1.0017 | 6 |
| 5 | 106 | 123L | 123L/114L/118L/105L/126L | 37:10 | 1.0042 | 1.0028 - 1.0055 | 6 |
| 5 | 118 | 118L | 118L | 37:22 | 1.0007 | 0.9993 - 1.0020 | 6 |

Procedure change to KNOX-ID-0013, Rev. 4, Analysis of Polychlorinated Biphenyl (PCB) Isomers by Isotope Dilution HRGC/HRMS

**Table 2**

**RT References, Quantitation References, Retention Times (RT) and Relative Retiontion Times (RRT) for the 209 CB Congeners on SPB-Octyl**

| CI No[1] | BZ/IUPAC No[2,3] | RT Ref[4] | Quantitaion Reference[5] | RT[6] | RRT[7] | RRT Limit[8] | RT Win[9] (sec) |
|---|---|---|---|---|---|---|---|
| 5 | 122 | 118L | 123L/114L/118L/105L/126L | 37:46 | 1.0117 | 1.0103 - 1.0130 | 6 |
| 5 | 114 | 114L | 114L | 37:54 | 1.0006 | 0.9992 - 1.0019 | 6 |
| 5 | 105 | 105L | 105L | 38:37 | 1.0010 | 0.9997 - 1.0023 | 6 |
| 5 | 127 | 105L | 123L/114L/118L/105L/126L | 40:00 | 1.0367 | 1.0354 - 1.0380 | 6 |
| 5 | 126 | 126L | 126L | 41:39 | 1.0005 | 0.9992 - 1.0016 | 6 |
| Hexachlorobiphenyls | | | | | | | |
| 6 | 155L | 138L | 101L | 32:02 | 0.7919 | 0.7877 - 0.7959 | 20 |
| 6 | 153L | 167L | 156L/167L/169L | 39:08 | 0.9018 | 0.8998 - 0.9037 | 10 |
| 6 | 138L | 138L | 138L | 40:27 | 1.0000 | 0.9794 - 1.0205 | 100 |
| 6 | 167L | 138L | 138L | 43:24 | 1.0729 | 1.0687 - 1.0769 | 20 |
| 6 | 156L | 138L | 138L | 44:34 | 1.1018 | 1.1005 - 1.1030 | 6 |
| 6 | 157L | 138L | 138L | 44:39 | 1.1037 | 1.0995 - 1.1078 | 20 |
| 6 | 169L | 138L | 138L | 47:50 | 1.1822 | 1.1809 - 1.1834 | 6 |
| 6 | 155 | 155L | 155L | 32:03 | 1.0006 | 0.9980 - 1.0032 | 10 |
| 6 | 152 | 155L | 155L | 32:25 | 1.0121 | 1.0105 - 1.0136 | 6 |
| 6 | 150 | 155L | 155L | 32:31 | 1.0154 | 1.0137 - 1.0169 | 6 |
| 6 | 136 | 155L | 155L | 33:00 | 1.0303 | 1.0287 - 1.0318 | 6 |
| 6 | 145 | 155L | 155L | 33:13 | 1.0369 | 1.0352 - 1.0384 | 6 |
| 6 | 148 | 155L | 155L | 34:38 | 1.0812 | 1.0796 - 1.0828 | 6 |
| 6 | 151 | 155L | 155L | 35:17 | 1.1017 | 1.0991 - 1.1043 | 10 |
| 6 | 135 | 155L | 155L | 35:22 | 1.1041 | 1.1015 - 1.1067 | 10 |
| 6 | 154 | 155L | 155L | 35:27 | 1.1066 | 1.1039 - 1.1091 | 10 |
| 6 | 144 | 155L | 155L | 35:51 | 1.1192 | 1.1176 - 1.1207 | 6 |
| 6 | 147 | 155L | 156L/167L/169L | 36:12 | 1.1298 | 1.1271 - 1.1323 | 10 |
| 6 | 149 | 155L | 156L/167L/169L | 36:14 | 1.1310 | 1.1284 - 1.1336 | 10 |
| 6 | 134 | 155L | 156L/167L/169L | 36:27 | 1.1379 | 1.1353 - 1.1405 | 10 |
| 6 | 143 | 155L | 156L/167L/169L | 36:34 | 1.1412 | 1.1386 - 1.1438 | 10 |
| 6 | 139 | 155L | 156L/167L/169L | 36:46 | 1.1477 | 1.1450 - 1.1502 | 10 |
| 6 | 140 | 155L | 156L/167L/169L | 36:49 | 1.1490 | 1.1464 - 1.1516 | 10 |
| 6 | 131 | 155L | 156L/167L/169L | 37:02 | 1.1563 | 1.1547 - 1.1578 | 6 |
| 6 | 142 | 155L | 156L/167L/169L | 37:12 | 1.1610 | 1.1594 - 1.1625 | 6 |
| 6 | 132 | 155L | 156L/167L/169L | 37:34 | 1.1725 | 1.1698 - 1.1750 | 10 |
| 6 | 133 | 155L | 156L/167L/169L | 37:56 | 1.1841 | 1.1825 - 1.1856 | 6 |
| 6 | 165 | 167L | 156L/167L/169L | 38:19 | 0.8827 | 0.8815 - 0.8838 | 6 |
| 6 | 146 | 167L | 156L/167L/169L | 38:33 | 0.8883 | 0.8871 - 0.8894 | 6 |
| 6 | 161 | 167L | 156L/167L/169L | 38:42 | 0.8915 | 0.8903 - 0.8926 | 6 |
| 6 | 153 | 167L | 156L/167L/169L | 39:11 | 0.9028 | 0.9008 - 0.9046 | 10 |
| 6 | 168 | 167L | 156L/167L/169L | 39:13 | 0.9035 | 0.9016 - 0.9054 | 10 |
| 6 | 141 | 167L | 156L/167L/169L | 39:25 | 0.9081 | 0.9069 - 0.9092 | 6 |
| 6 | 130 | 167L | 156L/167L/169L | 39:51 | 0.9182 | 0.9170 - 0.9194 | 6 |
| 6 | 137 | 167L | 156L/167L/169L | 40:02 | 0.9225 | 0.9213 - 0.9236 | 6 |
| 6 | 164 | 167L | 156L/167L/169L | 40:11 | 0.9258 | 0.9246 - 0.9269 | 6 |
| 6 | 138 | 167L | 156L/167L/169L | 40:29 | 0.9327 | 0.9300 - 0.9353 | 14 |
| 6 | 163 | 167L | 156L/167L/169L | 40:29 | 0.9326 | 0.9298 - 0.9352 | 14 |
| 6 | 129 | 167L | 156L/167L/169L | 40:35 | 0.9351 | 0.9324 - 0.9378 | 14 |
| 6 | 160 | 167L | 156L/167L/169L | 40:38 | 0.9362 | 0.9342 - 0.9380 | 10 |
| 6 | 158 | 167L | 156L/167L/169L | 40:50 | 0.9409 | 0.9397 - 0.9420 | 6 |
| 6 | 166 | 167L | 156L/167L/169L | 41:41 | 0.9605 | 0.9585 - 0.9624 | 10 |
| 6 | 128 | 167L | 156L/167L/169L | 41:48 | 0.9632 | 0.9612 - 0.9650 | 10 |
| 6 | 159 | 167L | 156L/167L/169L | 42:40 | 0.9830 | 0.9818 - 0.9841 | 6 |
| 6 | 162 | 167L | 156L/167L/169L | 42:57 | 0.9895 | 0.9883 - 0.9906 | 6 |

Procedure change to KNOX-ID-0013, Rev. 4, Analysis of Polychlorinated Biphenyl (PCB) Isomers by Isotope Dilution HRGC/HRMS

## Table 2

### RT References, Quantitation References, Retention Times (RT) and Relative Retiontion Times (RRT) for the 209 CB Congeners on SPB-Octyl

| Cl No[1] | BZ/IUPAC No[2,3] | RT Ref[4] | Quantitaion Reference[5] | RT[6] | RRT[7] | RRT Limit[8] | RT Win[9] (sec) |
|---|---|---|---|---|---|---|---|
| 6 | 167 | 167L | 167L | 43:27 | 1.0009 | 0.9997 - 1.0020 | 6 |
| 6 | 156 | 156L | 156L | 44:37 | 1.0008 | 0.9996 - 1.0018 | 6 |
| 6 | 157 | 157L | 156L | 44:41 | 1.0008 | 0.9989 - 1.0026 | 10 |
| 6 | 169 | 169L | 169L | 47:51 | 1.0003 | 0.9993 - 1.0013 | 6 |
| Heptachlorobiphenyls | | | | | | | |
| 7 | 188L | 180L | 180L | 37:46 | 0.8226 | 0.8189 - 0.8262 | 20 |
| 7 | 178L | 180L | 180L | 40:51 | 0.8896 | 0.8859 - 0.8931 | 20 |
| 7 | 180L | 180L | 180L | 45:55 | 1.0000 | 0.9963 - 1.0036 | 20 |
| 7 | 170L | 180L | 180L | 47:15 | 1.0288 | 1.0251 - 1.0324 | 20 |
| 7 | 189L | 180L | 194L | 50:18 | 1.0954 | 1.0918 - 1.0990 | 20 |
| 7 | 188 | 188L | 188L | 37:47 | 1.0004 | 0.9990 - 1.0017 | 6 |
| 7 | 179 | 188L | 188L/170L | 38:15 | 1.0127 | 1.0114 - 1.0140 | 6 |
| 7 | 184 | 188L | 188L/170L | 38:39 | 1.0232 | 1.0218 - 1.0244 | 6 |
| 7 | 176 | 188L | 188L/170L | 39:07 | 1.0355 | 1.0342 - 1.0368 | 6 |
| 7 | 186 | 188L | 188L/170L | 39:34 | 1.0476 | 1.0462 - 1.0489 | 6 |
| 7 | 178 | 188L | 188L/170L | 40:53 | 1.0824 | 1.0811 - 1.0837 | 6 |
| 7 | 175 | 188L | 188L/170L | 41:30 | 1.0988 | 1.0974 - 1.1000 | 6 |
| 7 | 187 | 188L | 188L/170L | 41:46 | 1.1058 | 1.1044 - 1.1071 | 6 |
| 7 | 182 | 188L | 188L/170L | 41:57 | 1.1105 | 1.1091 - 1.1118 | 6 |
| 7 | 183 | 188L | 188L/170L | 42:22 | 1.1217 | 1.1203 - 1.1230 | 6 |
| 7 | 185 | 188L | 188L/170L | 42:31 | 1.1255 | 1.1241 - 1.1268 | 6 |
| 7 | 174 | 188L | 188L/170L | 42:41 | 1.1301 | 1.1287 - 1.1314 | 6 |
| 7 | 177 | 188L | 188L/170L | 43:08 | 1.1418 | 1.1405 - 1.1431 | 6 |
| 7 | 181 | 188L | 188L/170L | 43:28 | 1.1507 | 1.1493 - 1.1519 | 6 |
| 7 | 171 | 188L | 188L/170L | 43:45 | 1.1580 | 1.1558 - 1.1602 | 10 |
| 7 | 173 | 188L | 188L/170L | 43:44 | 1.1576 | 1.1562 - 1.1589 | 6 |
| 7 | 172 | 189L | 188L/170L | 45:19 | 0.9007 | 0.8997 - 0.9017 | 6 |
| 7 | 192 | 189L | 188L/170L | 45:34 | 0.9057 | 0.9047 - 0.9066 | 6 |
| 7 | 193 | 189L | 188L/170L | 45:53 | 0.9123 | 0.9113 - 0.9133 | 6 |
| 7 | 180 | 189L | 188L/170L | 45:56 | 0.9131 | 0.9121 - 0.9140 | 6 |
| 7 | 191 | 189L | 188L/170L | 46:19 | 0.9206 | 0.9196 - 0.9215 | 6 |
| 7 | 170 | 189L | 170L | 47:17 | 0.9400 | 0.9390 - 0.9410 | 6 |
| 7 | 190 | 189L | 188L/170L | 47:46 | 0.9498 | 0.9487 - 0.9507 | 6 |
| 7 | 189 | 189L | 189L | 50:20 | 1.0004 | 0.9994 - 1.0014 | 6 |
| Octachlorobiphenyls | | | | | | | |
| 8 | 202L | 194L | 180L | 43:08 | 0.8236 | 0.8204 - 0.8267 | 20 |
| 8 | 194L | 194L | 194L | 52:23 | 1.0000 | 0.9960 - 1.0039 | 25 |
| 8 | 205L | 194L | 194L | 52:50 | 1.0088 | 1.0040 - 1.0135 | 30 |
| 8 | 202 | 202L | 202L | 43:09 | 1.0004 | 0.9984 - 1.0022 | 10 |
| 8 | 200/201 | 202L | 202L | 44:05 | 1.0219 | 1.0199 - 1.0237 | 10 |
| 8 | 204 | 202L | 202L | 44:43 | 1.0367 | 1.0355 - 1.0378 | 6 |
| 8 | 197 | 202L | 202L | 44:57 | 1.0421 | 1.0409 - 1.0432 | 6 |
| 8 | 199/200 | 202L | 202L | 45:09 | 1.0468 | 1.0456 - 1.0480 | 6 |
| 8 | 198 | 202L | 202L | 47:50 | 1.1088 | 1.1068 - 1.1107 | 10 |
| 8 | 201/199 | 202L | 202L | 47:54 | 1.1103 | 1.1091 - 1.1114 | 6 |
| 8 | 196 | 205L | 202L | 48:33 | 0.9188 | 0.9178 - 0.9197 | 6 |
| 8 | 203 | 205L | 202L | 48:43 | 0.9221 | 0.9211 - 0.9230 | 6 |
| 8 | 195 | 205L | 205L | 50:07 | 0.9485 | 0.9475 - 0.9494 | 6 |
| 8 | 194 | 205L | 205L | 52:24 | 0.9919 | 0.9909 - 0.9928 | 6 |
| 8 | 205 | 205L | 205L | 52:52 | 1.0004 | 0.9994 - 1.0013 | 6 |
| Nonachlorobiphenyls | | | | | | | |

Procedure change to KNOX-ID-0013, Rev. 4, Analysis of Polychlorinated Biphenyl (PCB) Isomers by Isotope Dilution HRGC/HRMS

**Table 2**

**RT References, Quantitation References, Retention Times (RT) and Relative Retiontion Times (RRT) for the 209 CB Congeners on SPB-Octyl**

| Cl No[1] | BZ/IUPAC No[2,3] | RT Ref[4] | Quantitaion Reference[5] | RT[6] | RRT[7] | RRT Limit[8] | RT Win[9] (sec) |
|---|---|---|---|---|---|---|---|
| 9 | 208L | 194L | 194L | 49:46 | 0.9501 | 0.9468 - 0.9532 | 20 |
| 9 | 206L | 194L | 194L | 54:33 | 1.0414 | 1.0366 - 1.0461 | 30 |
| 9 | 208 | 208L | 208L | 49:47 | 1.0004 | 0.9993 - 1.0013 | 6 |
| 9 | 207 | 208L | 206L/208L | 50:43 | 1.0190 | 1.0180 - 1.0200 | 6 |
| 9 | 206 | 206L | 206L | 54:34 | 1.0003 | 0.9994 - 1.0012 | 6 |
| Decachlorobiphenyls | | | | | | | |
| 10 | 209L | 194L | 194L | 56:08 | 1.0716 | 1.0667 - 1.0763 | 30 |
| 10 | 209 | 209L | 209L | 56:09 | 1.0004 | 0.9994 - 1.0012 | 6 |

1 Number of chlorines on congener.
2 Suffix "L" indicated labeled compound.
3 IUPAC Number per Table 2 of Method 1668A.
4 Retention time reference that is used to locate target congener.
5 Quantitation reference that is used to calculate the concentration of the target congener or labeled standard.
6 Retention time of target congener.
7 RRT between the RT for the congener and the RT for the reference.
8 Nominal limits based on an ± 0.5% of the RRT, adjusted for the nearest eluted isomer.
9 RT window width for congener or group of two or more congeners.

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX1 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030711. | Prep Date | | SDG No | |
| Analysis ID | 96238 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 17:03 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | | | | | 188.0393 | 190.0363 | 188.0393 | 190.0363 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 135 | 200 | 54 | 80 | 0.68 * | / | |
| | PCB 2 (BZ) | 14:17 | 00:00 | 0 | 1368154 | 424426 | 454919 | 135490 | 3.22 | ABV/ABV | |
| 200 | | | | | 200.0795 | 202.0766 | 200.0795 | 202.0766 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 215 | 263 | 86 | 105 | 0.82 * | / | |
| | 13C12-PCB 1 | 12:13 | 00:00 | 0 | 2530778 | 799829 | 1036656 | 334996 | 3.16 | AVV/AVV | |
| | 13C12-PCB 3 | 14:27 | 00:00 | 0 | 2521044 | 786266 | 798476 | 247964 | 3.21 | AVV/AVV | |
| 222 | | | | | 222.0003 | 223.9974 | 222.0003 | 223.9974 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 215 | 335 | 86 | 134 | 0.64 * | / | |
| | PCB 10 (BZ) | 14:55 | 00:00 | 0 | 930537 | 599537 | 291583 | 185115 | 1.55 | AVV/AVV | |
| | PCB 9 (BZ) | 16:43 | 00:00 | 0 | 1008791 | 639580 | 306494 | 201212 | 1.58 | ABV/ABV | |
| | PCB 6 (BZ) | 17:09 | 00:00 | 0 | 968526 | 610829 | 289404 | 182204 | 1.59 | AVV/AVV | |
| | PCB 8 (BZ) | 17:35 | 00:00 | 0 | 1051309 | 652567 | 306810 | 190734 | 1.61 | AVV/AVV | |
| | PCB 14 (BZ) | 19:10 | 00:00 | 0 | 986891 | 617675 | 254743 | 165952 | 1.60 | AVV/AVV | M |
| | PCB 11 (BZ) | 20:05 | 00:00 | 0 | 960741 | 612195 | 251332 | 163443 | 1.57 | ABV/AVV | |
| 234 | | | | | 234.0406 | 236.0376 | 234.0406 | 236.0376 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 340 | 213 | 136 | 85 | 1.60 | / | |
| | 13C12-PCB 4 | 14:44 | 00:00 | 0 | 1110963 | 694839 | 366923 | 232585 | 1.60 | AVV/ABV | |
| | 13C12-PCB 9 | 16:41 | 00:00 | 0 | 1894436 | 1172942 | 580184 | 362917 | 1.62 | AVV/AVV | |
| | 13C12-PCB 8 | 17:34 | 00:00 | 0 | 2120257 | 1313598 | 617107 | 385638 | 1.61 | AVV/AVV | |
| | 13C12-PCB 15 | 20:43 | 00:00 | 0 | 1985892 | 1249058 | 509355 | 314779 | 1.59 | ABV/ABV | |
| 256 | | | | | 255.9613 | 257.9584 | 255.9613 | 257.9584 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 193 | 190 | 77 | 76 | 1.01 | / | |
| | PCB 30 (BZ) | 19:40 | 00:00 | 0 | 637221 | 608006 | 173667 | 161168 | 1.05 | ABV/ABV | M |
| | PCB 27 (BZ) | 20:26 | 00:00 | 0 | 649084 | 607063 | 169825 | 160636 | 1.07 | AVV/AVV | |
| | PCB 32 (BZ) | 21:12 | 00:00 | 0 | 675783 | 663170 | 173525 | 170103 | 1.02 | AVV/ABV | |
| | PCB 34 (BZ) | 22:25 | 00:00 | 0 | 827497 | 805404 | 196446 | 196068 | 1.03 | ABV/ABV | M |
| | PCB 26 (BZ) | 22:54 | 00:00 | 0 | 851602 | 843318 | 215309 | 205929 | 1.01 | AVV/AVV | M |
| | PCB 31 (BZ) | 23:27 | 00:00 | 0 | 907566 | 881585 | 215987 | 207115 | 1.03 | AVV/AVV | M |
| | PCB 33 (BZ) | 24:02 | 00:00 | 0 | 920378 | 901439 | 194299 | 190353 | 1.02 | AVV/AVV | M |
| | PCB 36 (BZ) | 25:56 | 00:00 | 0 | 865144 | 826740 | 202187 | 192610 | 1.05 | ABV/ABV | M |
| | PCB 38 (BZ) | 26:53 | 00:00 | 0 | 846726 | 822427 | 186019 | 181436 | 1.03 | ABV/ABV | M |
| | PCB 35 (BZ) | 27:25 | 00:00 | 0 | 845703 | 815456 | 189606 | 178086 | 1.04 | AVV/AVV | |
| 268 | | | | | 268.0016 | 269.9986 | 268.0016 | 269.9986 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 625 | 275 | 250 | 110 | 2.27 * | / | |
| | 13C12-PCB 19 | 17:55 | 00:00 | 0 | 701355 | 643571 | 204416 | 187437 | 1.09 | AVV/AVV | |
| | 13C12-PCB 32 | 21:11 | 00:00 | 0 | 1271270 | 1210610 | 331707 | 311784 | 1.05 | AVV/AVV | |
| | 13C12-PCB 31 | 23:26 | 00:00 | 0 | 1728274 | 1686538 | 431079 | 417068 | 1.02 | ABV/ABV | |
| | 13C12-PCB 28 | 23:44 | 00:00 | 0 | 1665059 | 1609562 | 391229 | 375662 | 1.03 | AVV/AVV | |
| | 13C12-PCB 37 | 27:49 | 00:00 | 0 | 1580278 | 1490128 | 343662 | 327838 | 1.06 | AVV/ABV | |
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 178 | 240 | 71 | 96 | 0.74 | / | |
| | PCB 50 (BZ) | 23:11 | 00:00 | 0 | 894407 | 1128390 | 220278 | 278583 | 0.79 | ABV/ABV | M |
| | PCB 45 (BZ) | 23:55 | 00:00 | 0 | 792296 | 1025803 | 192019 | 248563 | 0.77 | ABB/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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX1 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030711. | Prep Date | | SDG No | |
| Analysis ID | 96238 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 17:03 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | - | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | PCB 52 (BZ) | 25:36 | 00:00 | 0 | 933050 | 1199092 | 216568 | 279404 | 0.78 | ABV/ABV | D |
| | PCB 49 (BZ) | 26:04 | 00:00 | 0 | 946310 | 1218727 | 221674 | 282081 | 0.78 | AVV/AVV | M |
| | PCB 75 (BZ) | 26:54 | 00:00 | 0 | 1340067 | 1710063 | 303771 | 387253 | 0.78 | AVV/AVV | M |
| | PCB 41 (BZ) | 27:33 | 00:00 | 0 | 775185 | 993337 | 172819 | 225607 | 0.78 | AVV/AVV | |
| | PCB 72 (BZ) | 28:38 | 00:00 | 0 | 1330936 | 1645275 | 301636 | 362743 | 0.81 | ABV/ABV | M |
| | PCB 57 (BZ) | 29:21 | 00:00 | 0 | 1249059 | 1587370 | 289984 | 357921 | 0.79 | ABV/AVV | M |
| | PCB 63 (BZ) | 30:01 | 00:00 | 0 | 1275133 | 1628740 | 280243 | 358270 | 0.78 | ABV/AVV | D |
| | PCB 66 (BZ) | 30:43 | 00:00 | 0 | 1282560 | 1645157 | 289157 | 367433 | 0.78 | ABV/ABV | D |
| | PCB 79 (BZ) | 33:31 | 00:00 | 0 | 1350468 | 1722480 | 283458 | 365538 | 0.78 | ABV/AVV | D |
| | PCB 78 (BZ) | 34:06 | 00:00 | 0 | 1276140 | 1634292 | 279113 | 350806 | 0.78 | AVV/AVV | |
| | PCB 81 (BZ) | 34:33 | 00:00 | 0 | 1318125 | 1673033 | 282711 | 352984 | 0.79 | AVV/AVV | |
| 302 | | | | | 301.9626 | 303.9597 | 301.9626 | 303.9597 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 135 | 118 | 54 | 47 | 1.15 * | / | |
| | 13C12-PCB 54 | 21:04 | 00:00 | 0 | 637899 | 811186 | 159173 | 207703 | 0.79 | ABV/ABV | |
| | 13C12-PCB 52 | 25:35 | 00:00 | 0 | 836236 | 1075373 | 192604 | 251820 | 0.78 | ABV/ABV | |
| | 13C12-PCB 79 | 33:30 | 00:00 | 0 | 1342122 | 1691321 | 294237 | 371713 | 0.79 | ABV/ABV | |
| | 13C12-PCB 81 | 34:32 | 00:00 | 0 | 1149061 | 1444059 | 247865 | 309463 | 0.80 | ABV/ABV | D |
| | 13C12-PCB 77 | 35:08 | 00:00 | 0 | 1179027 | 1450567 | 251290 | 296704 | 0.81 | ABB/ABB | M |
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 190 | 200 | 76 | 80 | 0.95 * | / | |
| | PCB 96 (BZ) | 27:00 | 00:00 | 0 | 1400077 | 859218 | 322672 | 197312 | 1.63 | ABV/ABV | D |
| | PCB 103 (BZ) | 28:48 | 00:00 | 0 | 1116061 | 708540 | 251425 | 165627 | 1.58 | ABV/ABV | M |
| | PCB 95 (BZ) | 29:34 | 00:00 | 0 | 1078015 | 664308 | 246127 | 147300 | 1.62 | AVV/AVV | D |
| | PCB 88 (BZ) | 30:17 | 00:00 | 0 | 956423 | 593043 | 218231 | 133002 | 1.61 | AVV/AVV | |
| | PCB 89 (BZ) | 31:09 | 00:00 | 0 | 932537 | 587086 | 198144 | 125982 | 1.59 | ABV/ABV | D |
| | PCB 92 (BZ) | 31:51 | 00:00 | 0 | 1010771 | 621292 | 225003 | 136926 | 1.63 | ABV/ABV | D |
| | PCB 113 (BZ) | 32:22 | 00:00 | 0 | 1388570 | 869820 | 295732 | 181757 | 1.60 | ABV/ABV | D |
| | PCB 83 (BZ) | 32:56 | 00:00 | 0 | 871596 | 551876 | 181031 | 111747 | 1.58 | ABV/AVV | D |
| | PCB 119 (BZ) | 33:28 | 00:00 | 0 | 1516685 | 944120 | 330171 | 202550 | 1.61 | ABV/ABV | DM |
| | PCB 87 (BZ) | 33:41 | 00:00 | 0 | 1014056 | 638999 | 213484 | 130844 | 1.59 | AVB/AVB | D |
| | PCB 85 (BZ) | 34:17 | 00:00 | 0 | 1085204 | 686527 | 228990 | 145651 | 1.58 | ABV/ABV | DM |
| | PCB 82 (BZ) | 34:49 | 00:00 | 0 | 839421 | 522610 | 178265 | 111990 | 1.61 | AVV/AVV | M |
| | PCB 120 (BZ) | 35:30 | 00:00 | 0 | 1539120 | 960573 | 337928 | 209147 | 1.60 | AVB/AVB | D |
| | PCB 124 (BZ) | 36:42 | 00:00 | 0 | 1669764 | 1038520 | 334217 | 213354 | 1.61 | AVV/AVV | D |
| | PCB 106 (BZ) | 37:12 | 00:00 | 0 | 1638256 | 1054746 | 330516 | 214237 | 1.55 | AVV/AVV | |
| | PCB 122 (BZ) | 37:48 | 00:00 | 0 | 1517467 | 970543 | 319822 | 197912 | 1.56 | AVV/AVV | M |
| | PCB 105 (BZ) | 38:38 | 00:00 | 0 | 1665739 | 1080751 | 343346 | 223162 | 1.54 | ABV/AVV | M |
| | PCB 127 (BZ) | 40:01 | 00:00 | 0 | 1764963 | 1085040 | 357804 | 228090 | 1.63 | AVV/AVV | |
| 338 | | | | | 337.9207 | 339.9178 | 337.9207 | 339.9178 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 140 | 120 | 56 | 48 | 1.17 * | / | |
| | 13C12-PCB 104 | 26:31 | 00:00 | 0 | 1350571 | 826496 | 314238 | 189852 | 1.63 | ABV/ABV | D |
| | 13C12-PCB 95 | 29:32 | 00:00 | 0 | 1098754 | 671101 | 249744 | 149716 | 1.64 | ABV/ABV | D |
| | 13C12-PCB 101 | 32:24 | 00:00 | 0 | 1069295 | 661766 | 235955 | 147095 | 1.62 | ABV/ABV | |
| | 13C12-PCB 111 | 35:02 | 00:00 | 0 | 1377478 | 846737 | 295711 | 181201 | 1.63 | AVV/ABV | |

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

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# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX1 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030711. | Prep Date | | SDG No | |
| Analysis ID | 96238 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 17:03 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 338 | | | | | 337.9207 | 339.9178 | 337.9207 | 339.9178 | 1.32-1.78 | | |
| | 13C12-PCB 123 | 37:02 | 00:00 | 0 | 1594089 | 1013156 | 334006 | 211558 | 1.57 | ABV/ABV | D |
| | 13C12-PCB 118 | 37:22 | 00:00 | 0 | 1654185 | 1041738 | 346313 | 213711 | 1.59 | AVV/AVV | D |
| | 13C12-PCB 114 | 37:54 | 00:00 | 0 | 1611074 | 1019699 | 332681 | 210368 | 1.58 | AVV/AVV | D |
| | 13C12-PCB 105 | 38:36 | 00:00 | 0 | 1610288 | 1014414 | 328293 | 204197 | 1.59 | ABV/ABV | M |
| | 13C12-PCB 127 | 40:00 | 00:00 | 0 | 1745202 | 1088890 | 369420 | 230083 | 1.60 | ABV/ABV | |
| | 13C12-PCB 126 | 41:40 | 00:00 | 0 | 1718216 | 1077883 | 344737 | 213541 | 1.59 | ABV/AVV | M |
| 360 | | | | | 359.8415 | 361.8385 | 359.8415 | 361.8385 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 335 | 270 | 134 | 108 | 1.24 | / | |
| | PCB 152 (BZ) | 32:27 | 00:00 | 0 | 1146819 | 885504 | 242597 | 185199 | 1.30 | ABV/ABV | |
| | PCB 136 (BZ) | 33:02 | 00:00 | 0 | 1109159 | 847876 | 244095 | 190783 | 1.31 | ABV/AVV | M |
| | PCB 148 (BZ) | 34:40 | 00:00 | 0 | 831384 | 656863 | 181332 | 145051 | 1.27 | ABV/ABV | |
| | PCB 151 (BZ) | 35:19 | 00:00 | 0 | 832459 | 665691 | 175931 | 138662 | 1.25 | ABV/AVV | |
| | PCB 144 (BZ) | 35:53 | 00:00 | 0 | 871345 | 671293 | 184062 | 143014 | 1.30 | AVV/AVV | |
| | PCB 143 (BZ) | 36:35 | 00:00 | 0 | 948977 | 748815 | 196296 | 160896 | 1.27 | AVV/AVV | |
| | PCB 142 (BZ) | 37:13 | 00:00 | 0 | 875875 | 706829 | 182299 | 148339 | 1.24 | ABV/AVV | |
| | PCB 133 (BZ) | 37:57 | 00:00 | 0 | 923375 | 734941 | 192441 | 157359 | 1.26 | ABB/ABB | |
| | PCB 161 (BZ) | 38:43 | 00:00 | 0 | 1394031 | 1099099 | 293883 | 225186 | 1.27 | ABV/AVV | D |
| | PCB 153 (BZ) | 39:12 | 00:00 | 0 | 1279831 | 1010592 | 264071 | 207595 | 1.27 | AVV/AVV | D |
| | PCB 130 (BZ) | 39:52 | 00:00 | 0 | 897692 | 704209 | 177437 | 142396 | 1.27 | ABV/AVV | D |
| | PCB 129 (BZ) | 40:37 | 00:00 | 0 | 857100 | 682488 | 177135 | 143513 | 1.26 | ABV/AVB | M |
| | PCB 166 (BZ) | 41:43 | 00:00 | 0 | 1395837 | 1121568 | 280604 | 231254 | 1.24 | AVV/AVV | |
| | PCB 159 (BZ) | 42:41 | 00:00 | 0 | 1404087 | 1112025 | 300250 | 232852 | 1.26 | AVV/AVV | D |
| | PCB 167 (BZ) | 43:28 | 00:00 | 0 | 1457747 | 1166981 | 300622 | 239461 | 1.25 | AVV/AVV | |
| | PCB 156 (BZ) | 44:38 | 00:00 | 0 | 1535196 | 1195689 | 296791 | 226826 | 1.28 | ABV/ABB | M |
| 372 | | | | | 371.8817 | 373.8788 | 371.8817 | 373.8788 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 80 | 228 | 32 | 91 | 0.35 * | / | |
| | 13C12-PCB 155 | 32:04 | 00:00 | 0 | 1144752 | 896101 | 254947 | 196436 | 1.28 | ABV/ABV | M |
| | 13C12-PCB 153 | 39:10 | 00:00 | 0 | 1243272 | 957597 | 255160 | 202166 | 1.30 | ABV/ABV | D |
| | 13C12-PCB 138 | 40:29 | 00:00 | 0 | 1125286 | 868845 | 233389 | 179034 | 1.30 | ABV/ABV | M |
| | 13C12-PCB 167 | 43:26 | 00:00 | 0 | 1453645 | 1124992 | 289259 | 227292 | 1.29 | AVV/AVV | |
| | 13C12-PCB 156 | 44:37 | 00:00 | 0 | 1301098 | 1026624 | 295515 | 227144 | 1.27 | ABV/ABV | M |
| | 13C12-PCB 157 | 44:41 | 00:00 | 0 | 1526699 | 1209017 | 312520 | 247462 | 1.26 | AVB/AVB | M |
| | 13C12-PCB 169 | 47:52 | 00:00 | 0 | 1366535 | 1082668 | 279290 | 215174 | 1.26 | ABV/ABV | M |
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 220 | 250 | 88 | 100 | 0.88 * | / | |
| | PCB 179 (BZ) | 38:16 | 00:00 | 0 | 1147797 | 1083874 | 241864 | 234607 | 1.06 | ABV/ABV | D |
| | PCB 176 (BZ) | 39:08 | 00:00 | 0 | 1172490 | 1116728 | 245247 | 232164 | 1.05 | AVV/AVV | D |
| | PCB 178 (BZ) | 40:55 | 00:00 | 0 | 828881 | 778755 | 167977 | 161733 | 1.06 | ABV/AVV | D |
| | PCB 175 (BZ) | 41:32 | 00:00 | 0 | 876697 | 823767 | 179712 | 174254 | 1.06 | AVV/AVV | D |
| | PCB 183 (BZ) | 42:23 | 00:00 | 0 | 938450 | 903008 | 195193 | 187942 | 1.04 | ABV/AVV | D |
| | PCB 177 (BZ) | 43:09 | 00:00 | 0 | 798934 | 761351 | 167730 | 157621 | 1.05 | AVV/ABB | D |
| | PCB 171 (BZ) | 43:46 | 00:00 | 0 | 833806 | 791328 | 170151 | 157301 | 1.05 | ABB/ABB | D |
| | PCB 172 (BZ) | 45:20 | 00:00 | 0 | 818506 | 769582 | 163108 | 159731 | 1.06 | AVV/AVV | D |
| | PCB 191 (BZ) | 46:20 | 00:00 | 0 | 1175817 | 1105198 | 240827 | 229021 | 1.06 | 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 emax limit  D = peak outside RT window  W = peak outside first/last  X = peak has dup match

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX1 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030711. | Prep Date | | SDG No | |
| Analysis ID | 96238 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 17:03 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

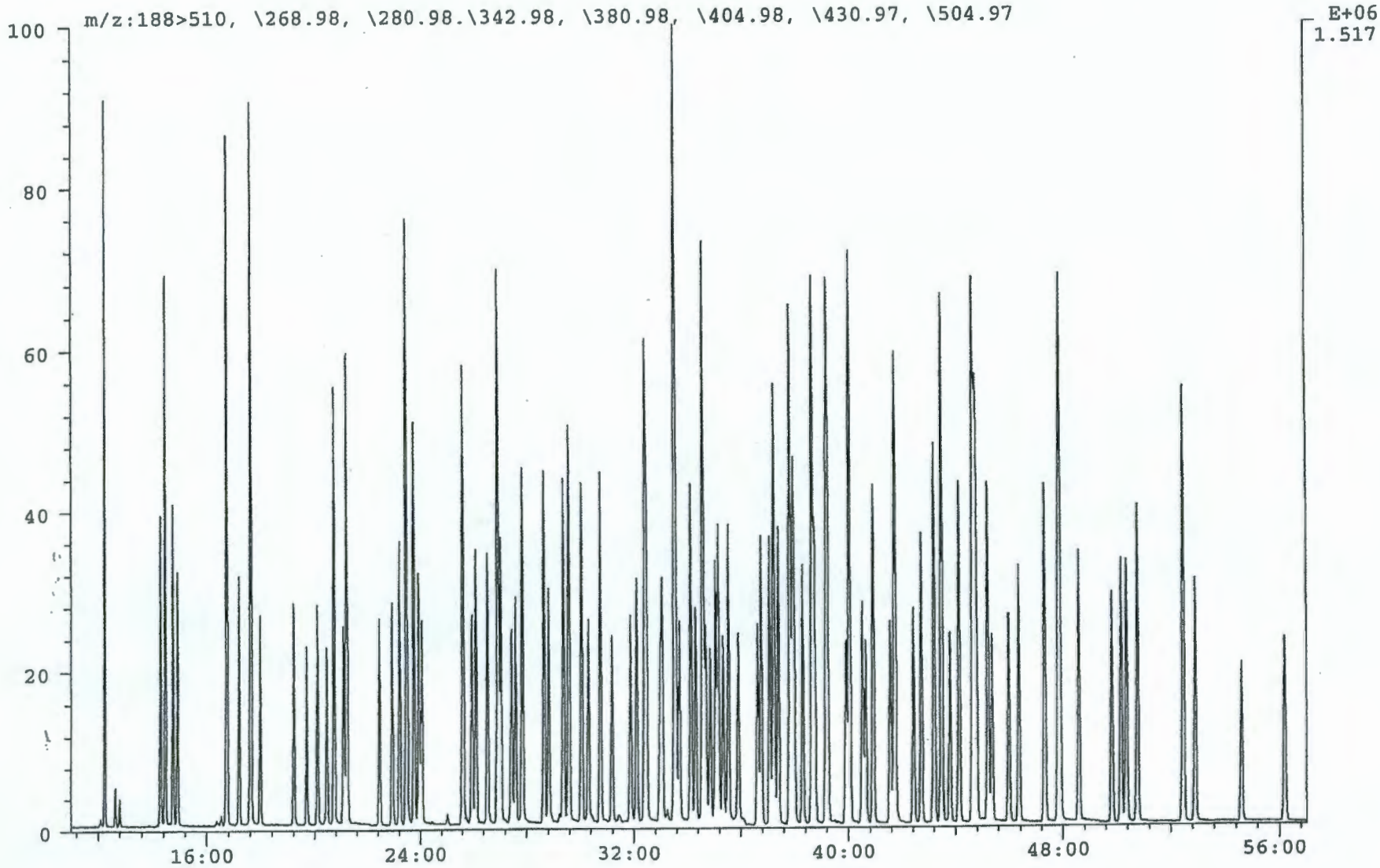
View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | PCB 170 (BZ) | 47:18 | 00:00 | 0 | 824594 | 781834 | 167823 | 160400 | 1.05 | ABV/ABV | M |
| | PCB 190 (BZ) | 47:48 | 00:00 | 0 | 1253509 | 1184852 | 232156 | 221333 | 1.06 | ABV/AVV | D |
| 406 | | | | | 405.8428 | 407.8398 | 405.8428 | 407.8398 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 195 | 148 | 78 | 59 | 1.32 * | / | |
| | 13C12-PCB 188 | 37:49 | 00:00 | 0 | 1195918 | 1131010 | 252282 | 237959 | 1.06 | ABV/ABV | D |
| | 13C12-PCB 178 | 40:53 | 00:00 | 0 | 778633 | 735735 | 162780 | 153981 | 1.06 | ABV/ABV | |
| | 13C12-PCB 180 | 45:57 | 00:00 | 0 | 979672 | 918487 | 194703 | 184879 | 1.07 | ABV/ABV | |
| | 13C12-PCB 170 | 47:17 | 00:00 | 0 | 833446 | 771694 | 169388 | 151798 | 1.08 | AVV/ABV | |
| | 13C12-PCB 189 | 50:20 | 00:00 | 0 | 1259165 | 1193306 | 258473 | 237361 | 1.06 | ABV/ABV | D |
| 428 | | | | | 427.7635 | 429.7606 | 427.7635 | 429.7606 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 170 | 213 | 68 | 85 | 0.80 | / | |
| | PCB 200 (BZ)/201 (IUPAC | 44:06 | 00:00 | 0 | 1467228 | 1617596 | 293556 | 322312 | 0.91 | ABV/ABV | |
| | PCB 204 (BZ) | 44:45 | 00:00 | 0 | 1449138 | 1599508 | 302178 | 324045 | 0.91 | AVV/AVV | |
| | PCB 199 (BZ)/200 (IUPAC | 45:10 | 00:00 | 0 | 1453992 | 1596148 | 289651 | 320285 | 0.91 | AVV/AVV | D |
| | PCB 198 (BZ) | 47:52 | 00:00 | 0 | 1023064 | 1126064 | 208880 | 224560 | 0.91 | ABV/ABV | D |
| | PCB 196 (BZ) | 48:34 | 00:00 | 0 | 1079402 | 1173550 | 220862 | 242026 | 0.92 | ABV/AVV | D |
| | PCB 195 (BZ) | 50:08 | 00:00 | 0 | 1100915 | 1223745 | 220156 | 241825 | 0.90 | AVV/AVV | |
| | PCB 194 (BZ) | 52:26 | 00:00 | 0 | 1171562 | 1299810 | 228811 | 263888 | 0.90 | ABV/ABV | |
| 440 | | | | | 439.8038 | 441.8008 | 439.8038 | 441.8008 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 103 | 108 | 41 | 43 | 0.95 | / | |
| | 13C12-PCB 202 | 43:11 | 00:00 | 0 | 932177 | 1029257 | 188293 | 206512 | 0.91 | ABV/ABV | D |
| | 13C12-PCB 194 | 52:25 | 00:00 | 0 | 746131 | 810608 | 150823 | 162525 | 0.92 | ABB/ABB | |
| | 13C12-PCB 205 | 52:52 | 00:00 | 0 | 1049467 | 1148482 | 215402 | 233091 | 0.91 | ABB/ABV | |
| 462 | | | | | 461.7246 | 463.7216 | 461.7246 | 463.7216 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 128 | 193 | 51 | 77 | 0.66 | / | |
| | PCB 207 (BZ) | 50:44 | 00:00 | 0 | 1246258 | 1591408 | 244917 | 316529 | 0.78 | ABV/ABV | D |
| 474 | | | | | 473.7648 | 475.7619 | 473.7648 | 475.7619 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 133 | 158 | 53 | 63 | 0.84 | / | |
| | 13C12-PCB 208 | 49:47 | 00:00 | 0 | 921029 | 1148900 | 180393 | 230930 | 0.80 | AVV/AVV | |
| | 13C12-PCB 206 | 54:35 | 00:00 | 0 | 604819 | 766825 | 118619 | 156922 | 0.79 | ABV/AVV | |
| 496 | | | | | 495.6856 | 497.6826 | 495.6856 | 497.6826 | 0.59-0.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 108 | 115 | 43 | 46 | 0.93 * | / | |
| 508 | | | | | 507.7258 | 509.7229 | 507.7258 | 509.7229 | 0.59-0.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 123 | 133 | 49 | 53 | 0.92 * | / | |
| | 13C12-PCB 209 | 56:10 | 00:00 | 0 | 704235 | 986531 | 126014 | 179004 | 0.71 | ABV/ABV | |

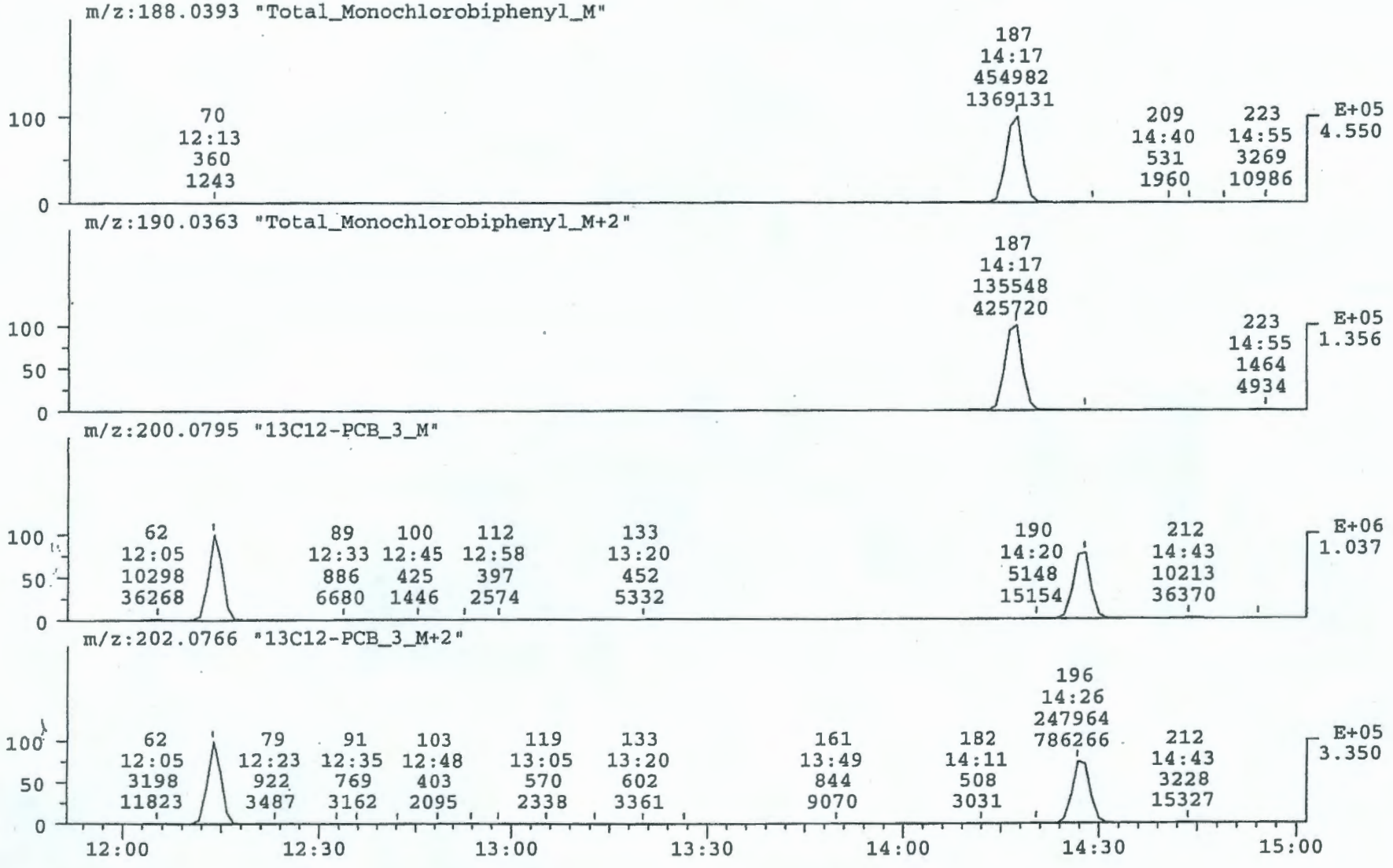
Notes:
R = ratio is outside limits  M = data changed manually  N = Peak not reported  S = peak less than 2.5x S/N
T = peaks outside comax limit  D = peak outside RT window  W = peak outside first/last  X = peak has dup match

Int DCG 3-17-07
Calc DCG 3-19-07
QC BPW 3/19/07

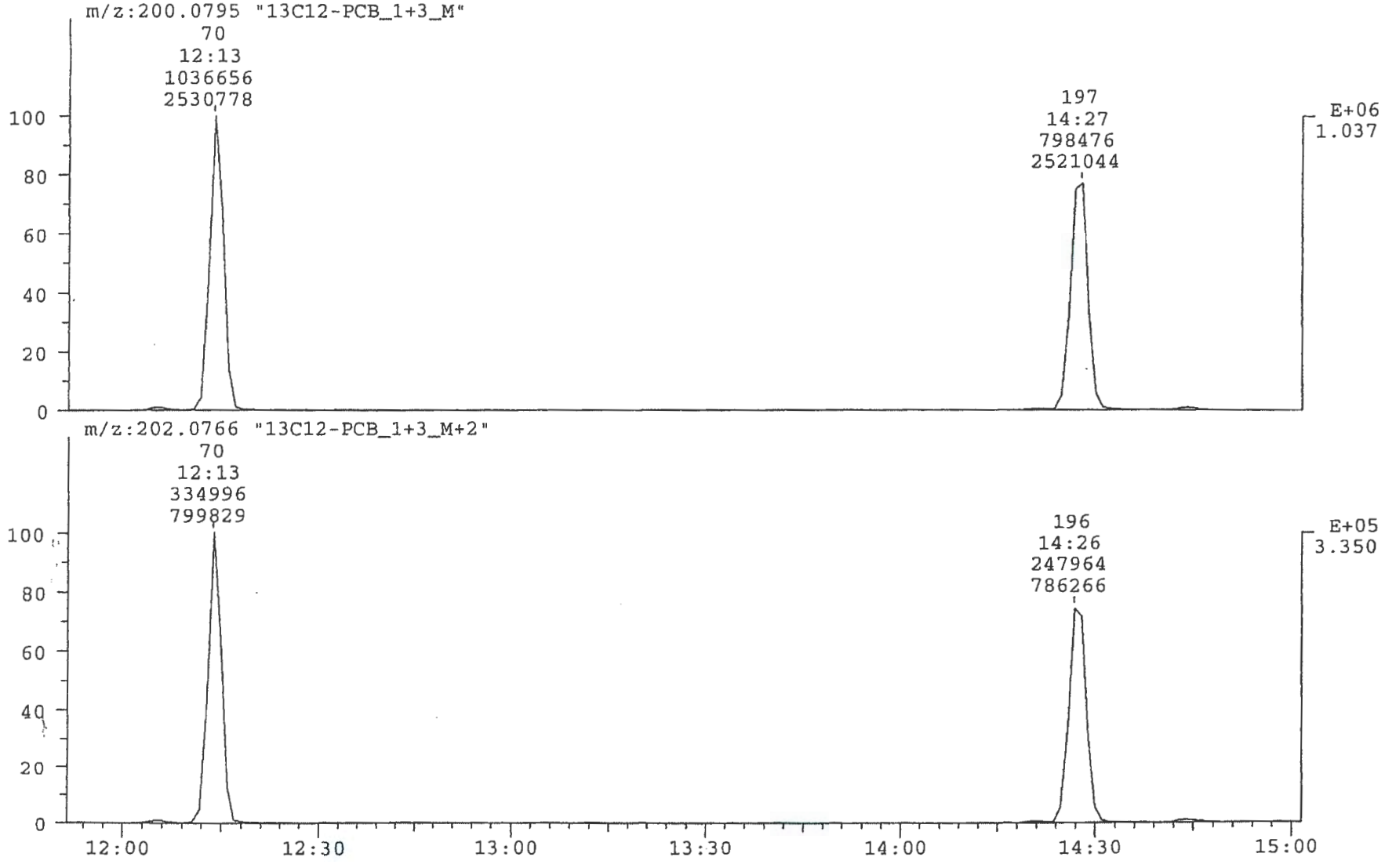
CHRO: a07030711 07-Mar-07 Elapse: 31:13 1145
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 17:03:44 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 2 > 2602 Masses: 181 > 510
Area: 5, 0.50, 0 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area



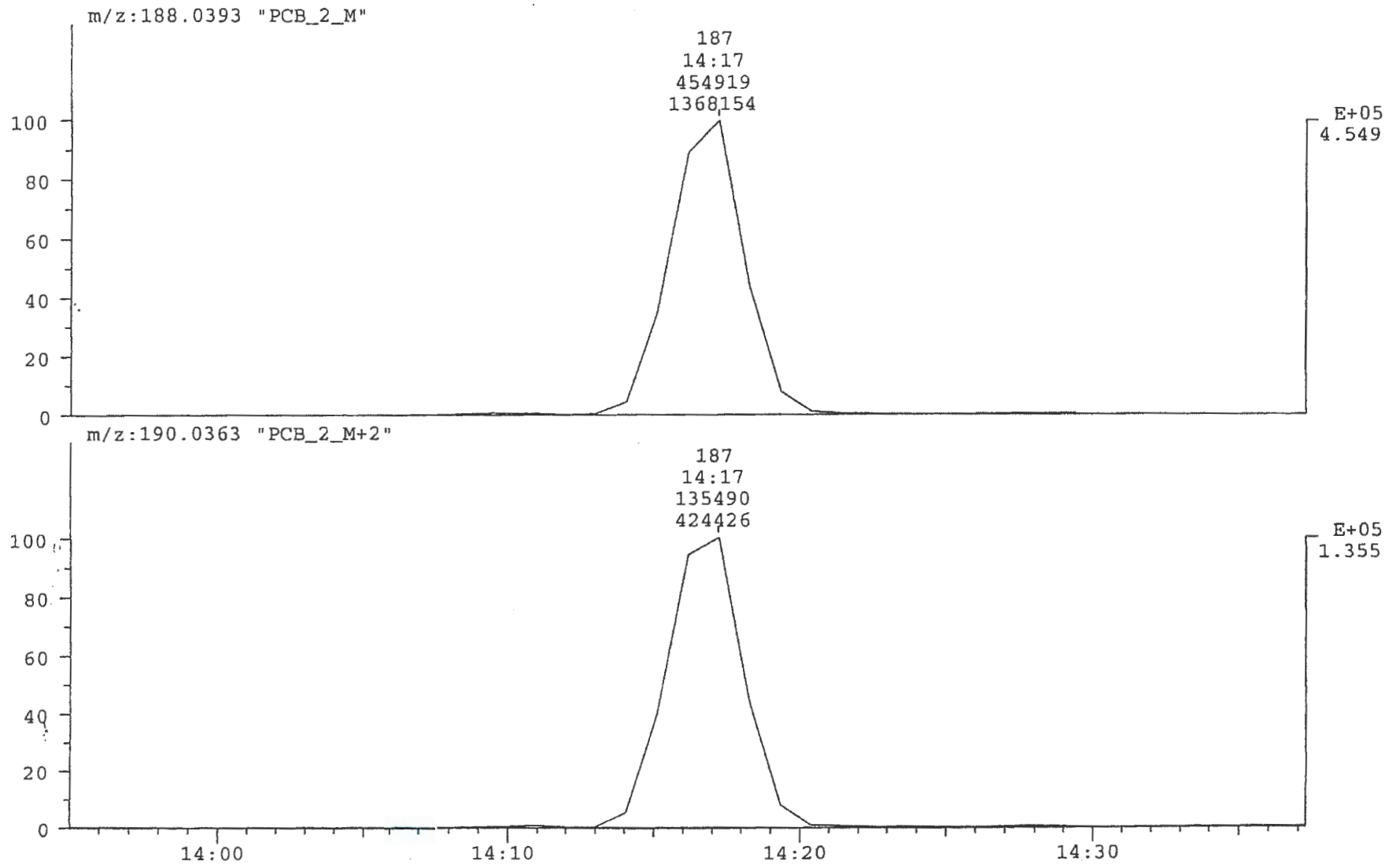
```
CHRO:  a07030711                                07-Mar-07   Elapse:  13:26.5      139
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   49 > 229              Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



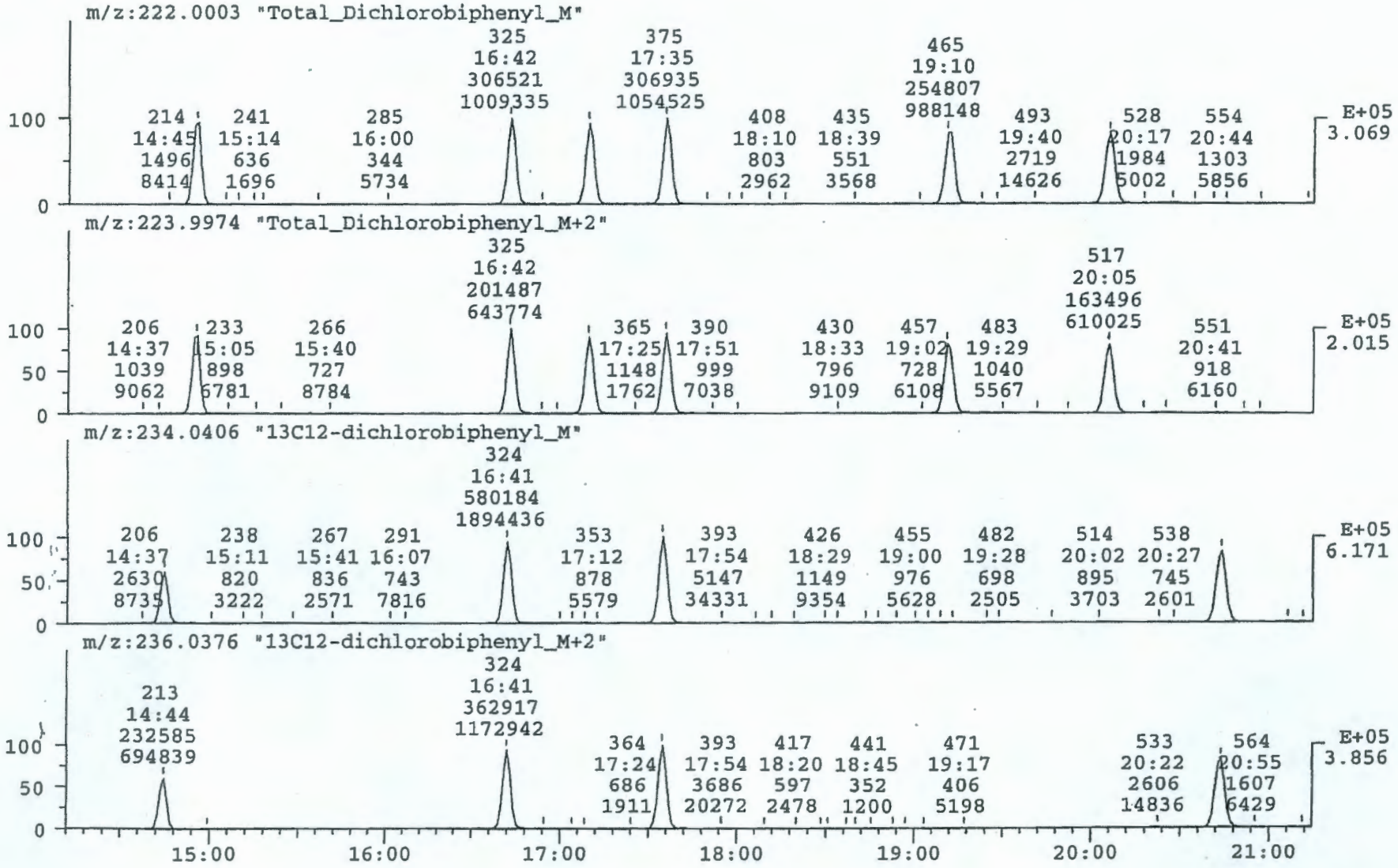
```
CHRO:  a07030711                                07-Mar-07   Elapse:  13:26.5      139
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   49 > 229              Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



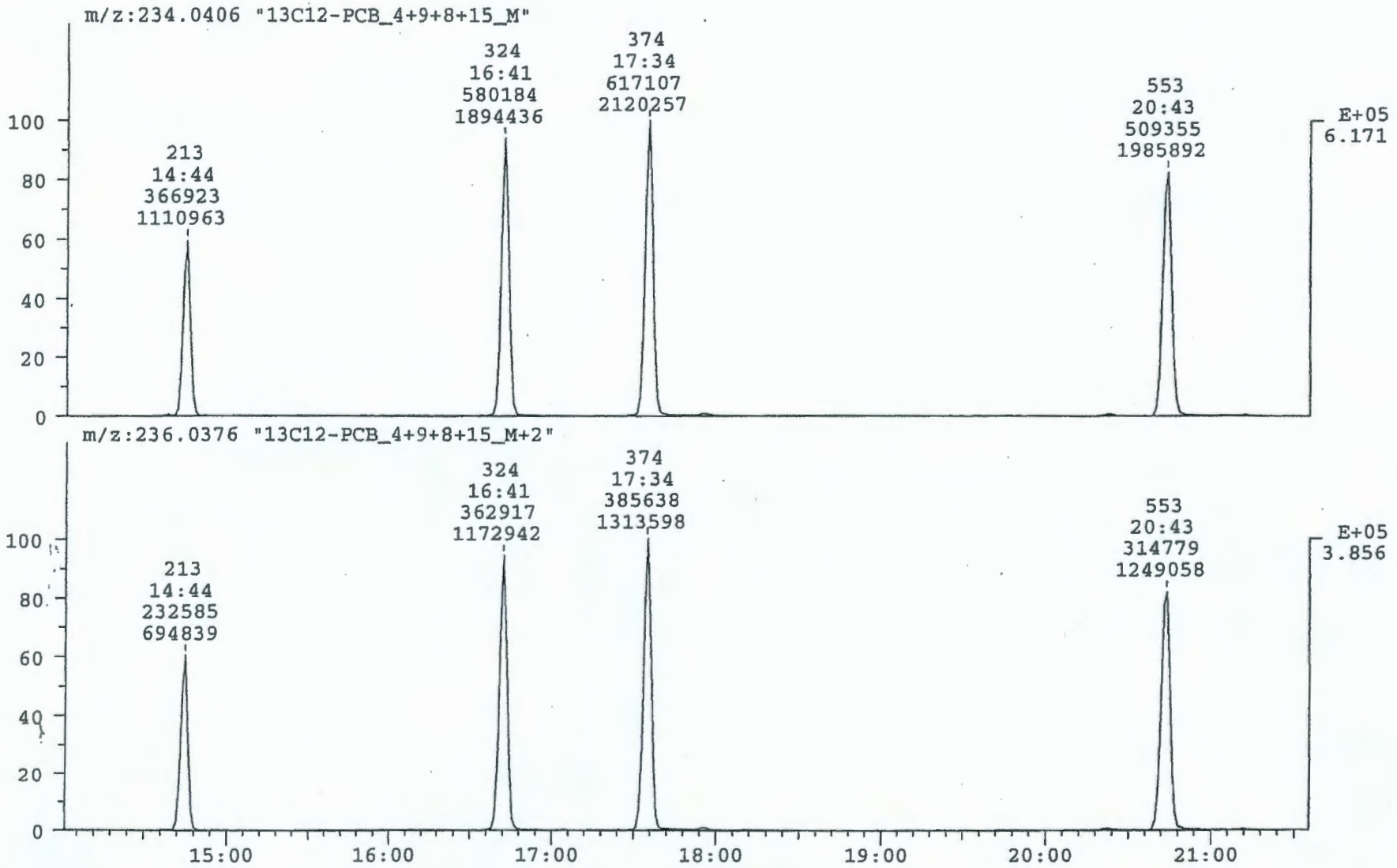
```
CHRO:  a07030711                                07-Mar-07   Elapse:  14:16.1      186
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   166 > 206             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



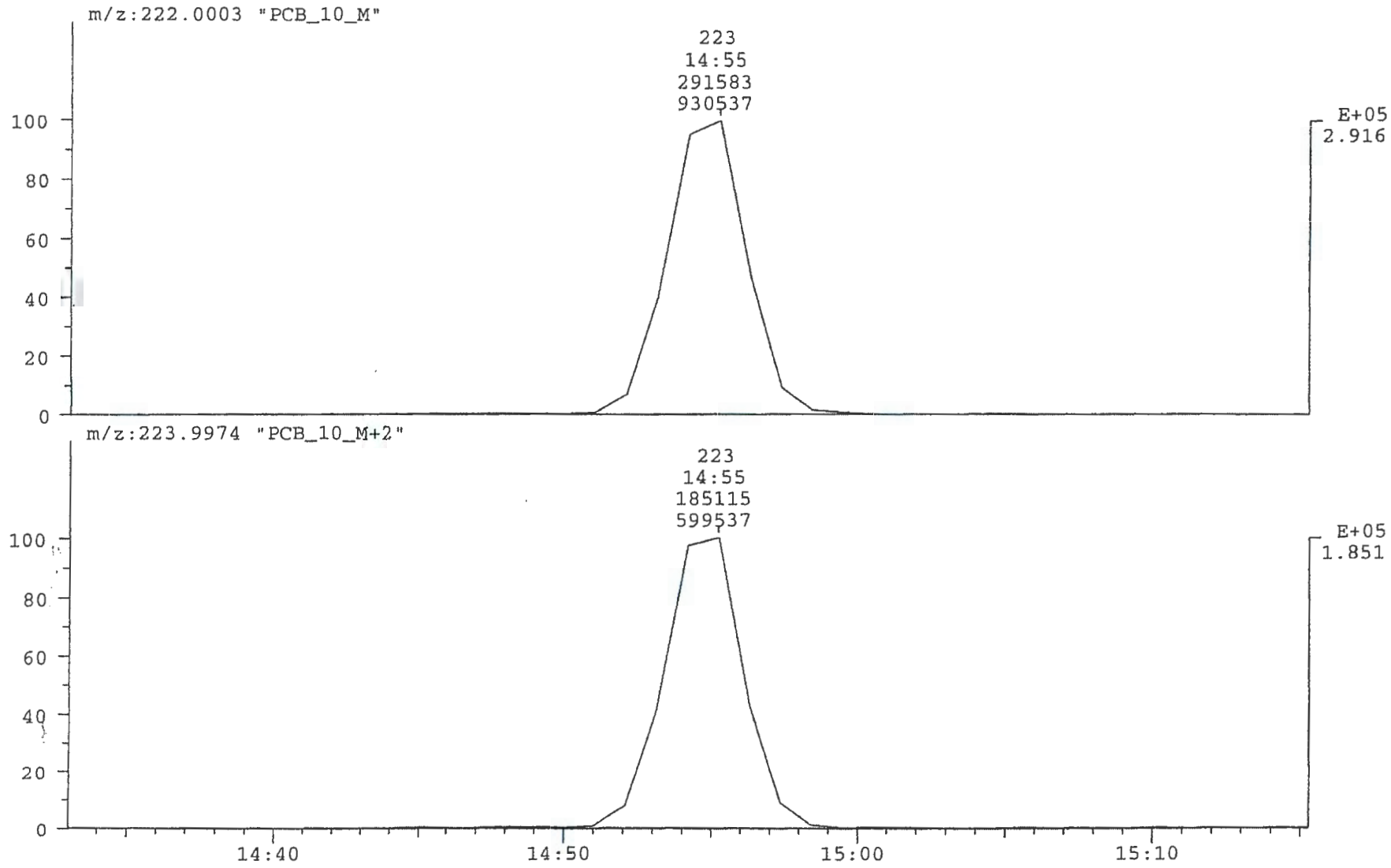
```
CHRO:  a07030711                                07-Mar-07   Elapse:  17:43.1     382
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
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
```



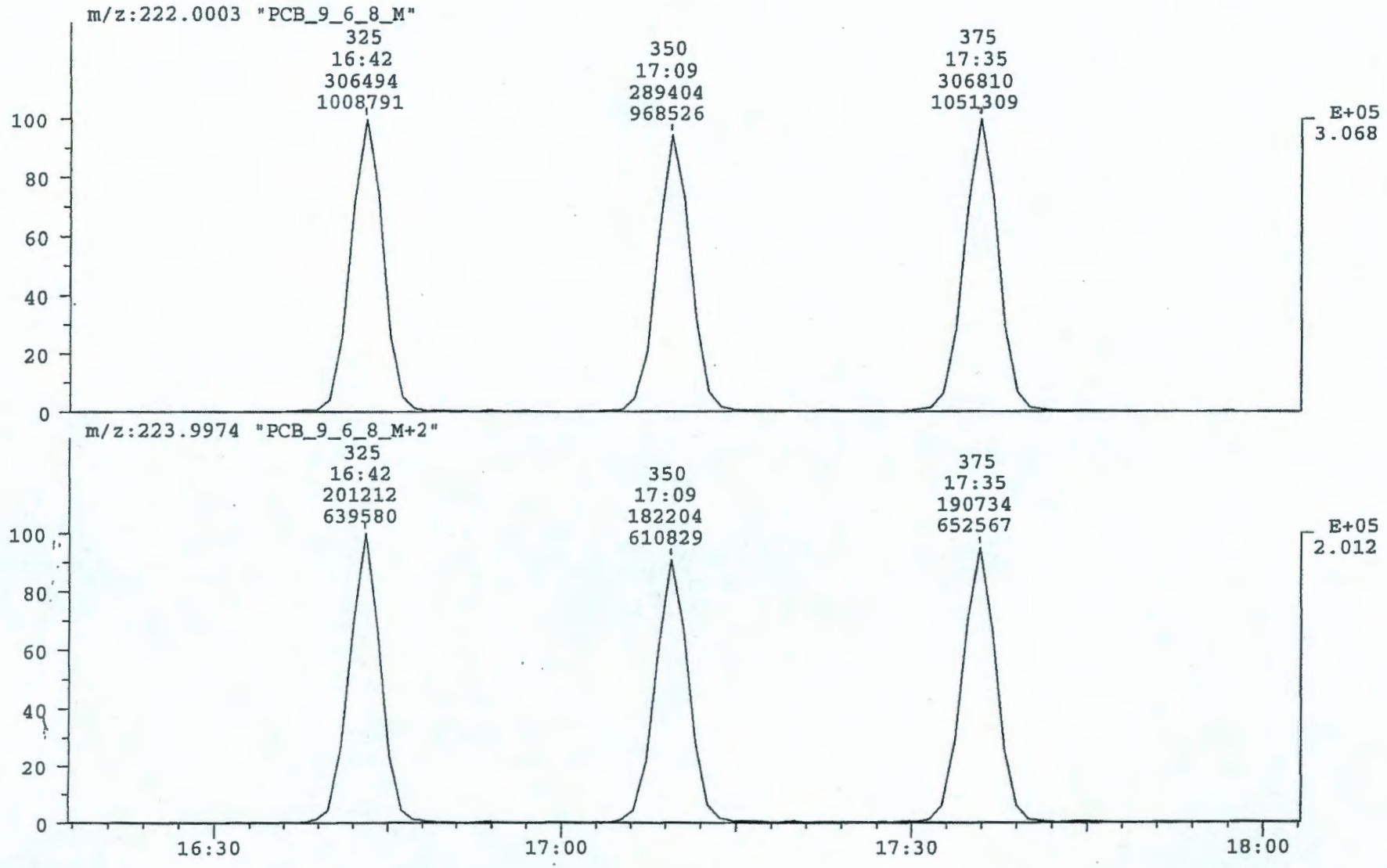
CHRO: a07030711 07-Mar-07 Elapse: 17:43.1 382
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 17:03:44 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 172 > 602 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



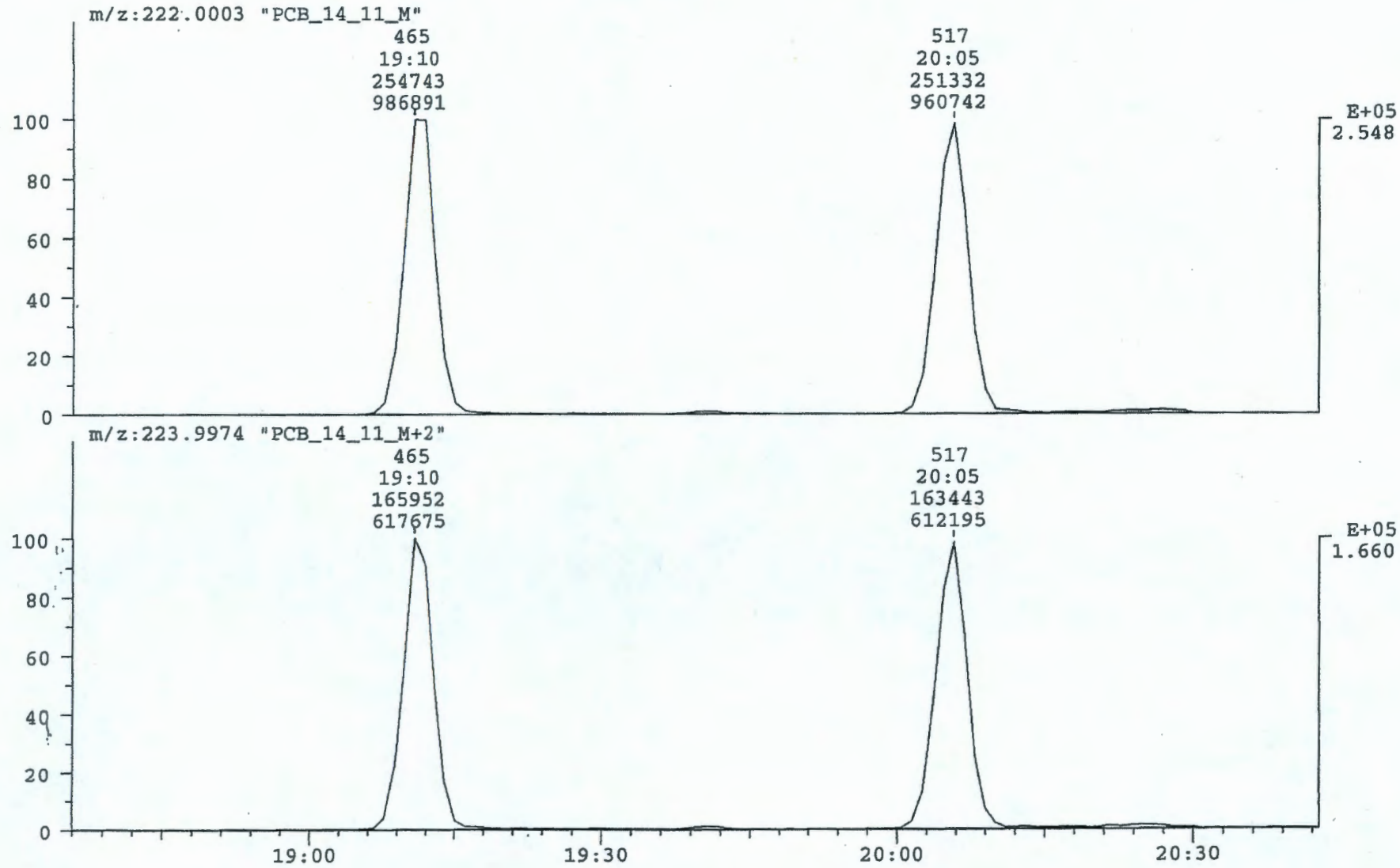
```
CHRO:  a07030711                              07-Mar-07   Elapse:  14:54.2      222
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  17:03:44    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   202 > 242           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



```
CHRO:  a07030711                                07-Mar-07  Elapse:  17:10.4      351
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  17:03:44    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   301 > 401           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```

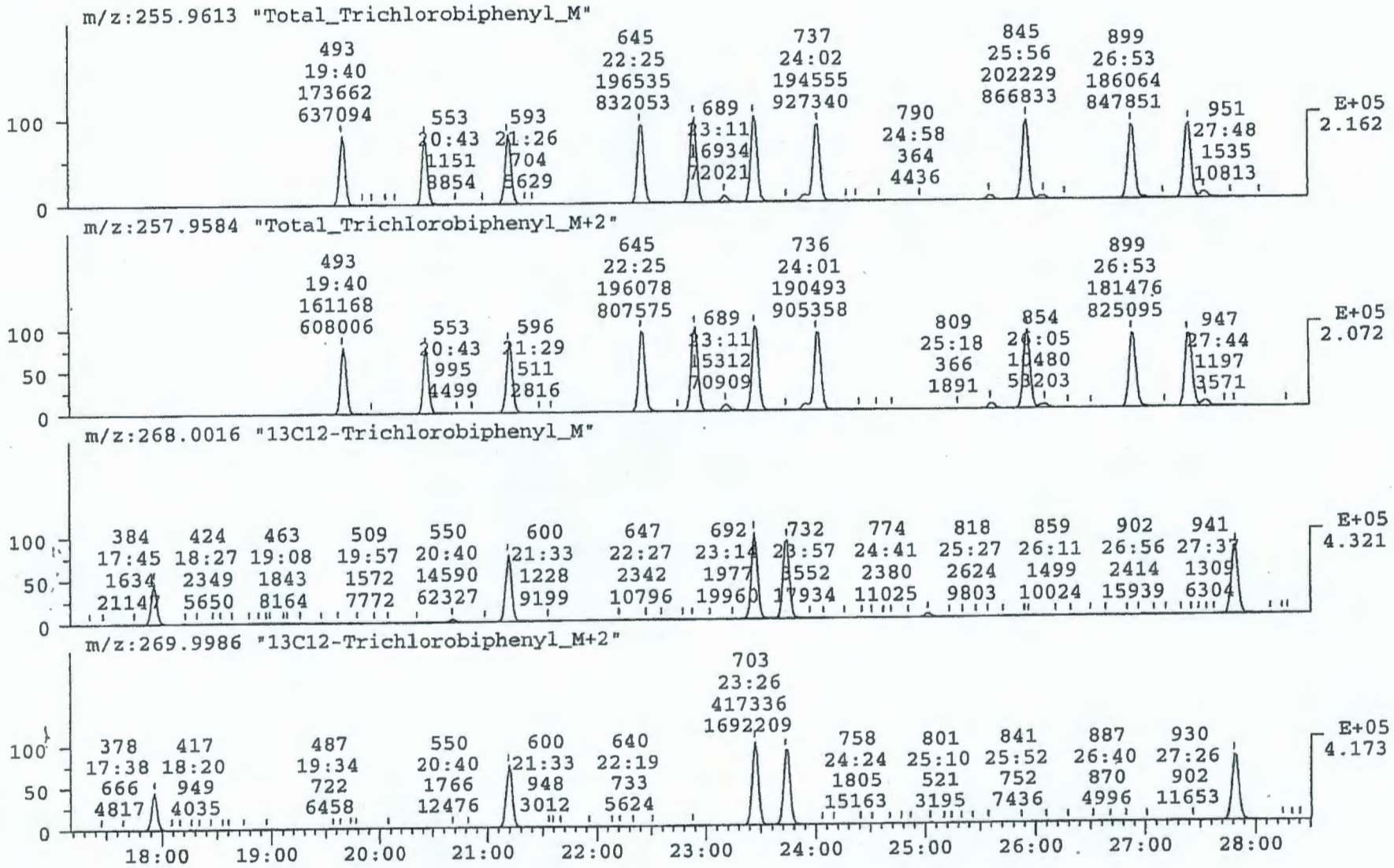


```
CHRO:  a07030711                                07-Mar-07   Elapse:  19:39.3      492
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   432 > 552             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```

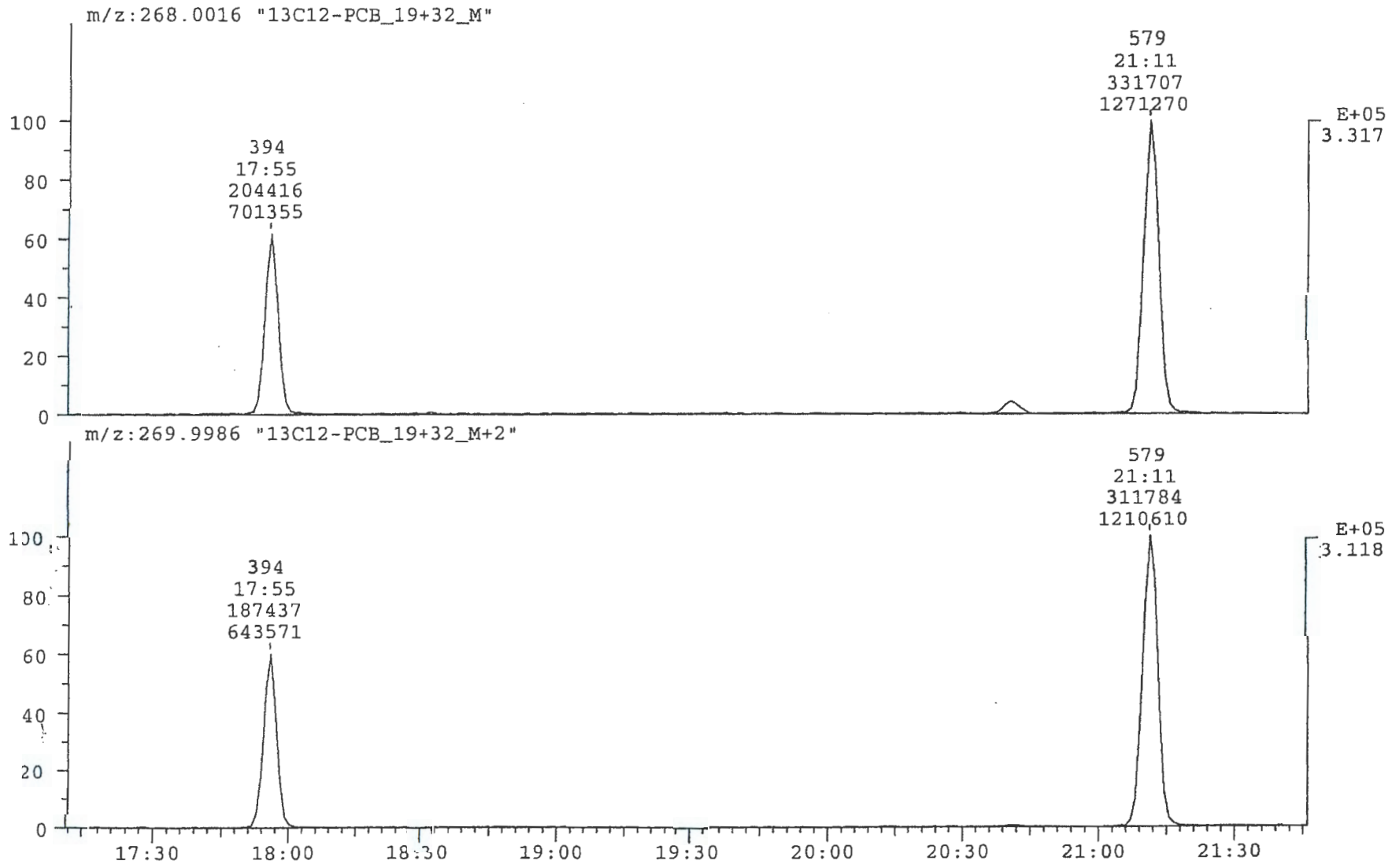



1299

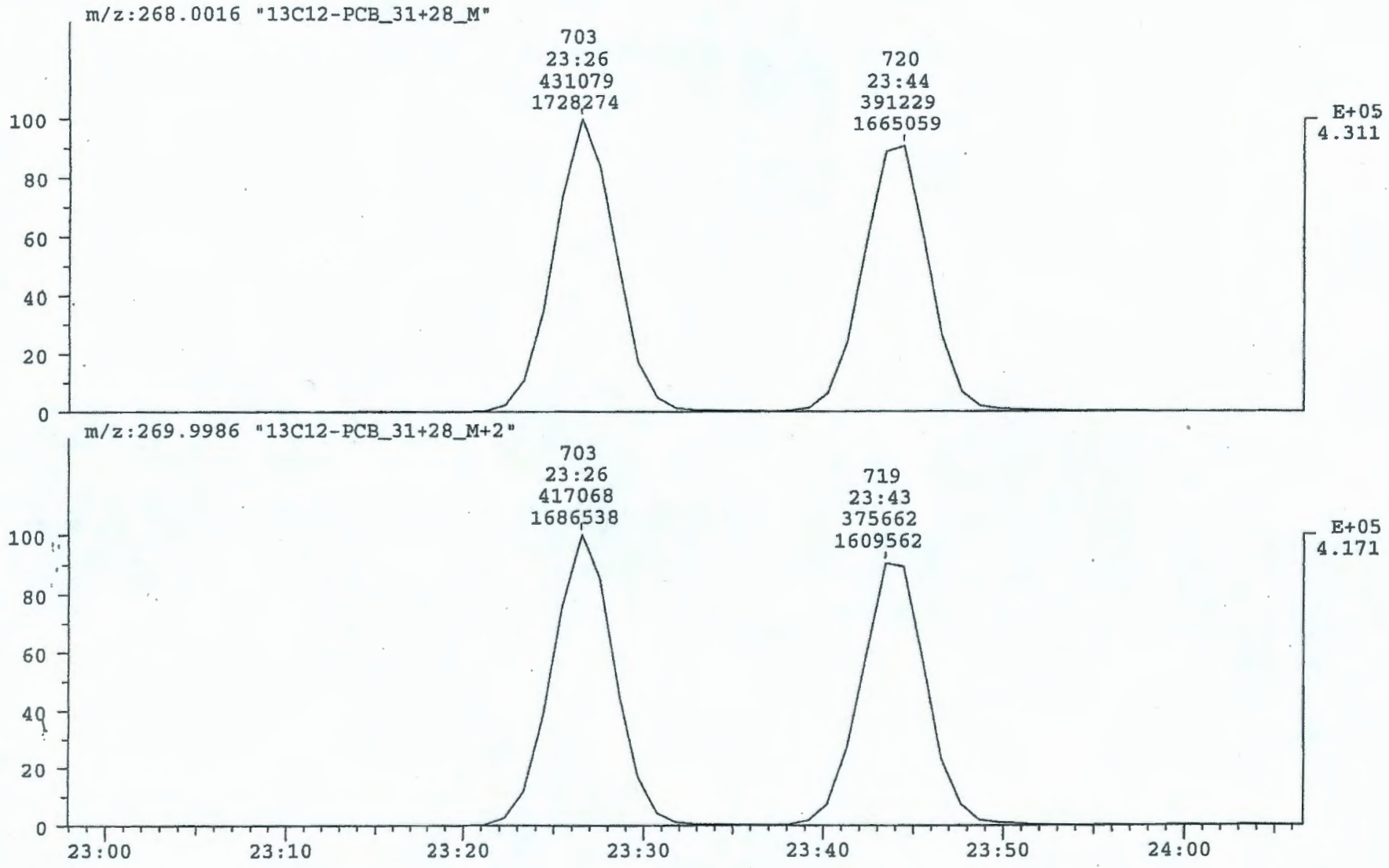
CHRO: a07030711 07-Mar-07 Elapse: 22:52.7 671
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 17:03:44 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 351 > 991 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



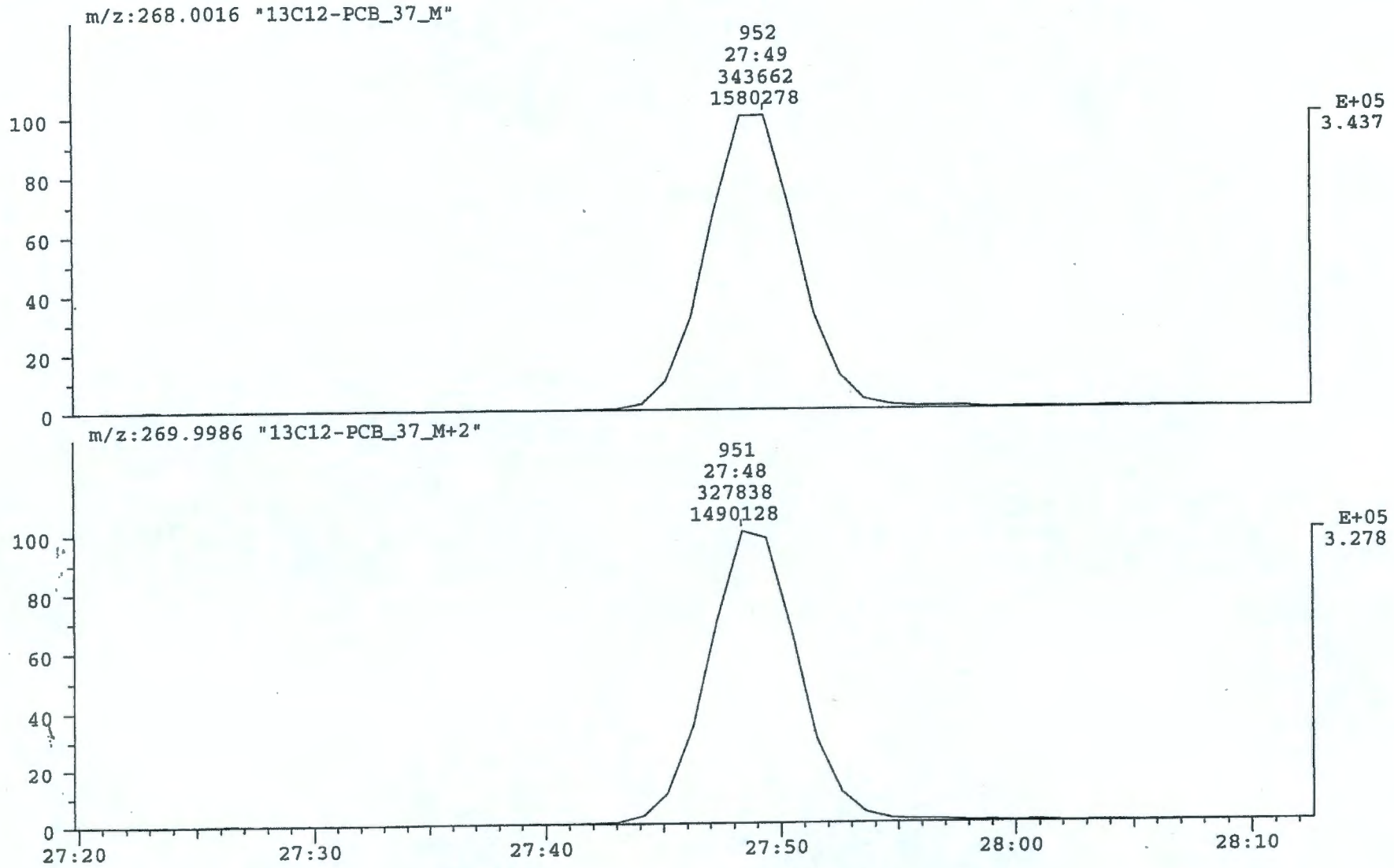
```
CHRO:  a07030711                              07-Mar-07   Elapse:  19:18.2      472
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  17:03:44    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
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
```



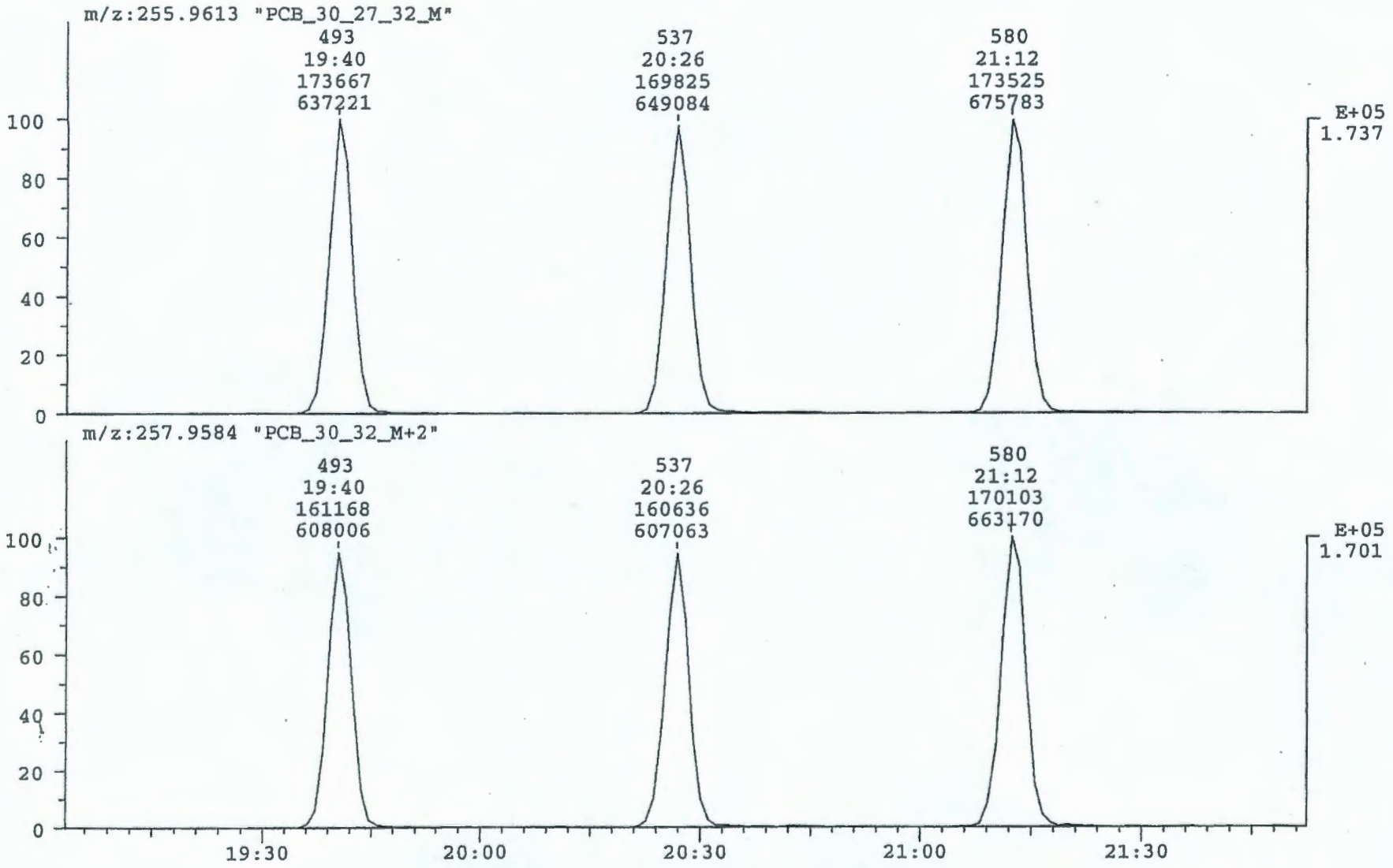
```
CHRO:  a07030711                                07-Mar-07   Elapse:  23:24.4      701
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
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
```



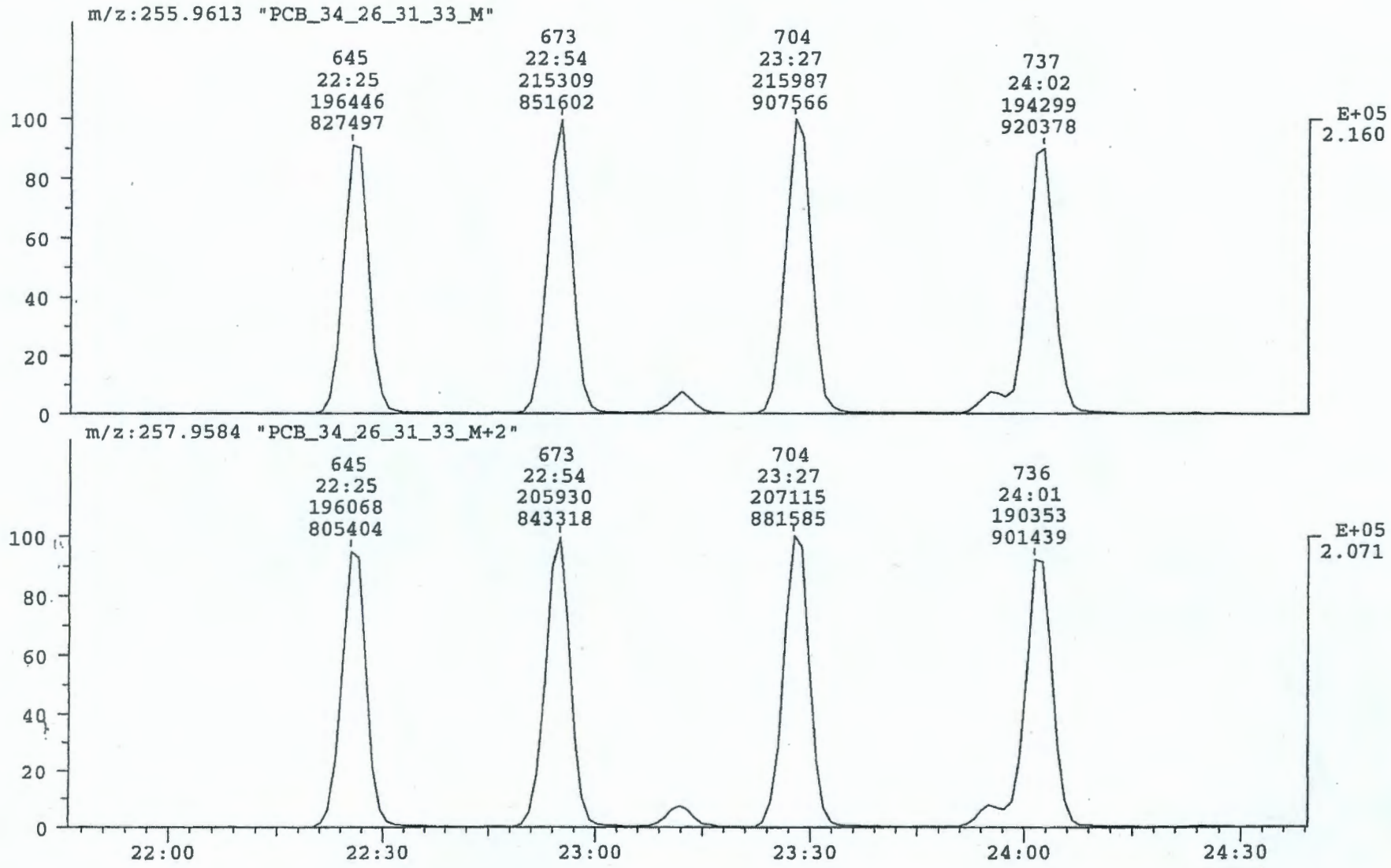
CHRO: a07030711 07-Mar-07 Elapse: 27:46.2 949
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 17:03:44 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 924 > 974 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



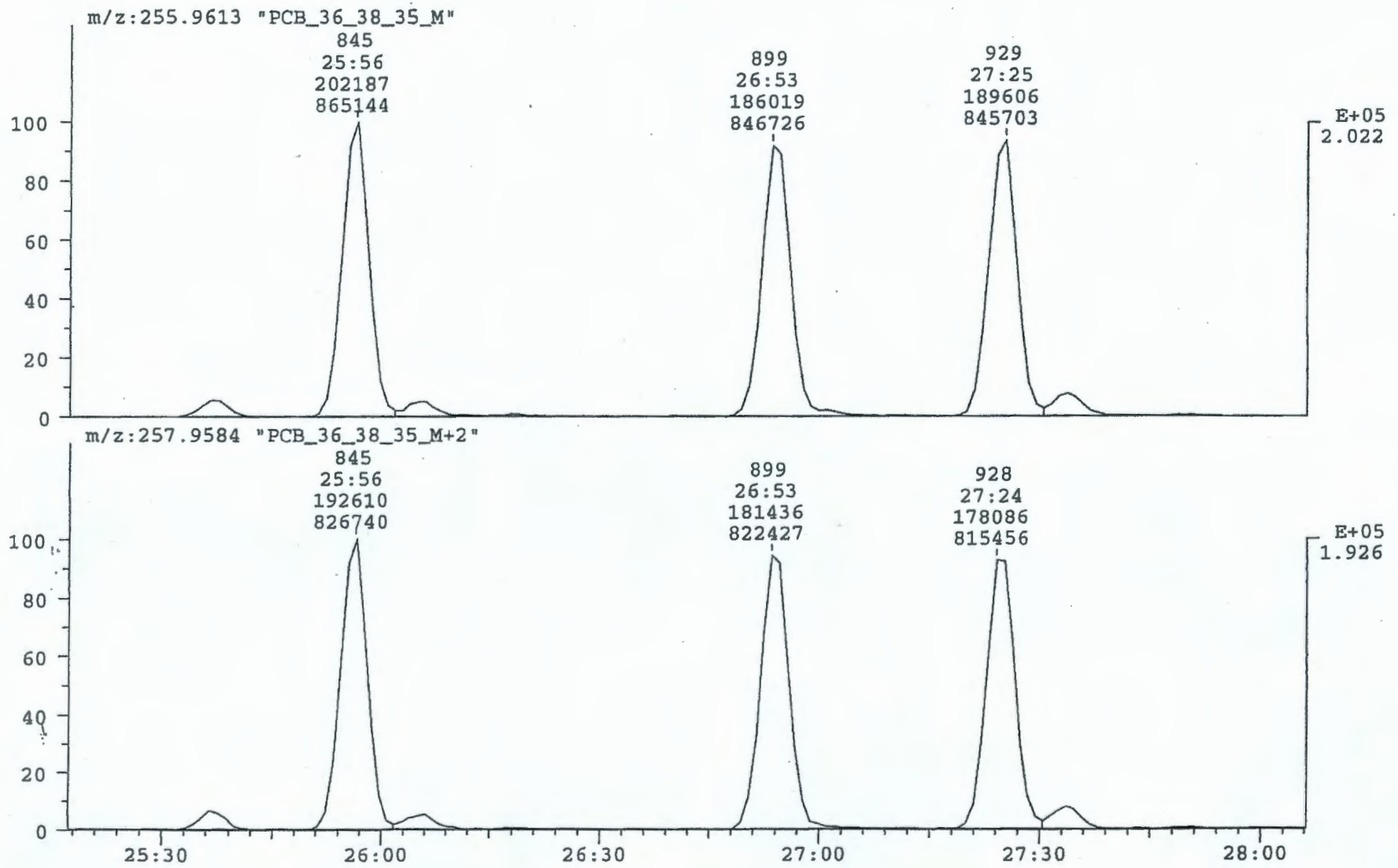
```
CHRO:  a07030711                                07-Mar-07   Elapse:  20:27.8      538
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44    2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   458 > 618             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



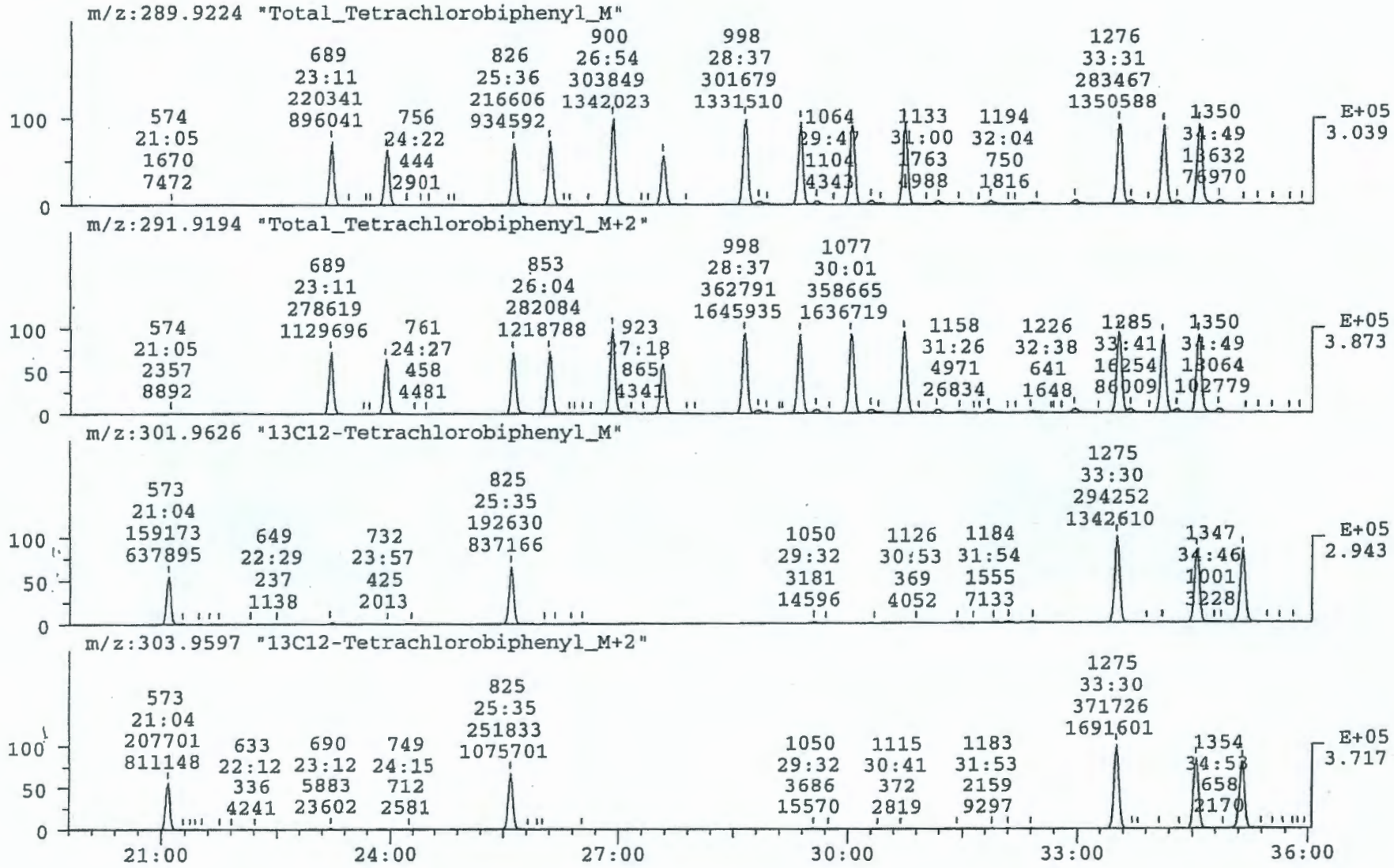
```
CHRO:  a07030711                                07-Mar-07   Elapse:  23:14.8      692
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44    2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   612 > 772             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



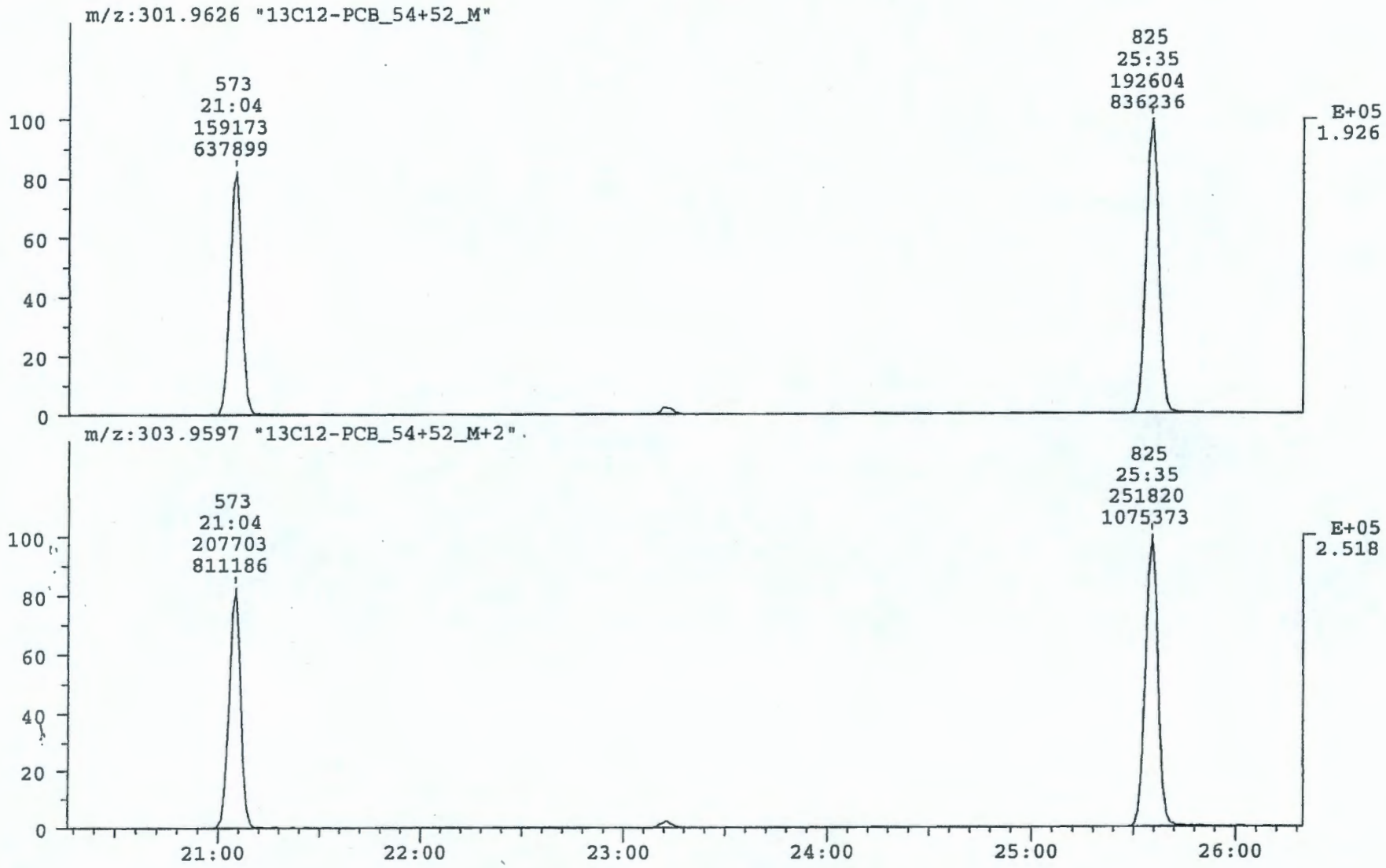
```
CHRO:  a07030711                              07-Mar-07   Elapse:  26:41.8      888
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  17:03:44    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   808 > 968           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



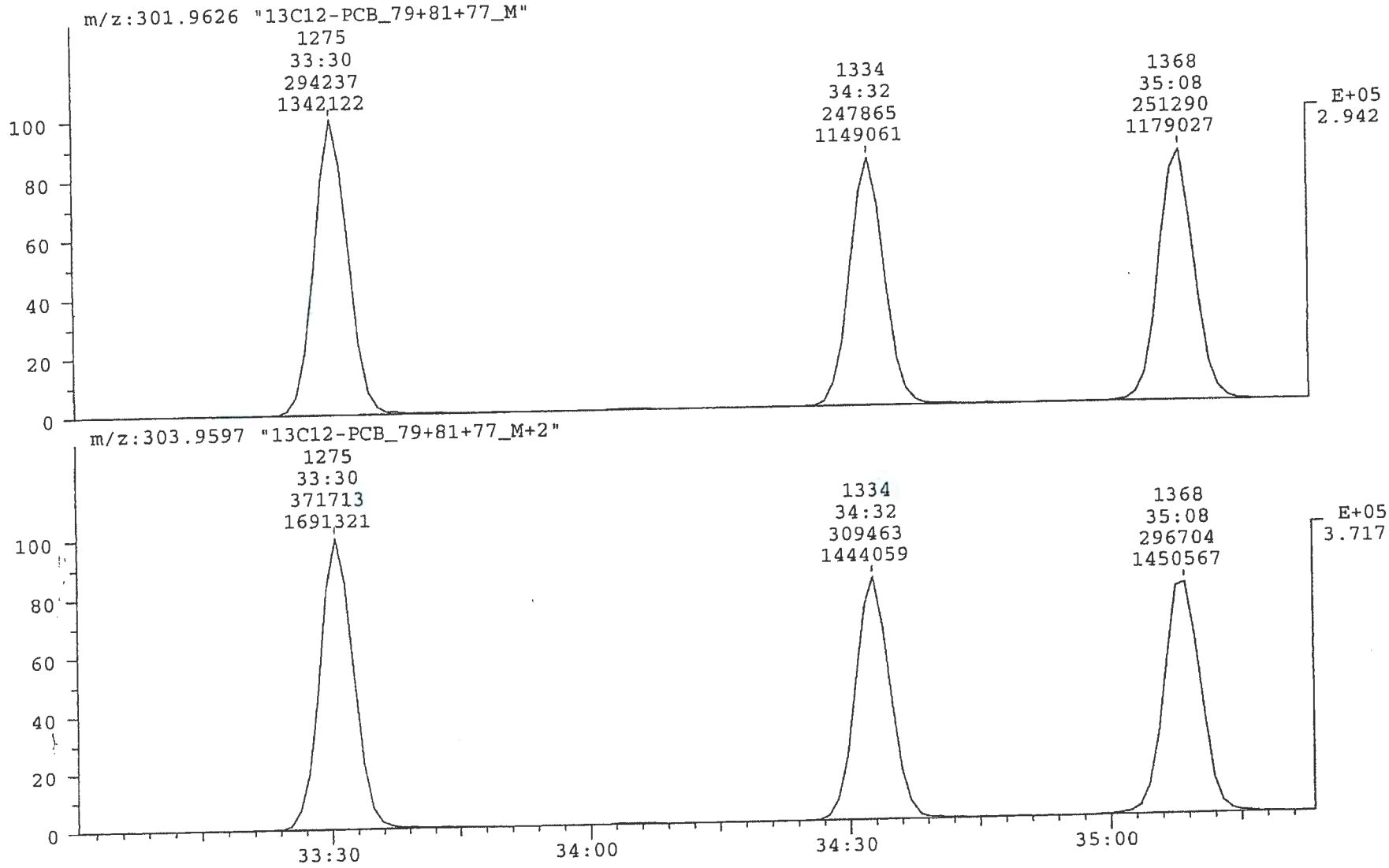
CHRO: a07030711 07-Mar-07 Elapse: 27:54.7 957
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 17:03:44 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 500 > 1419 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



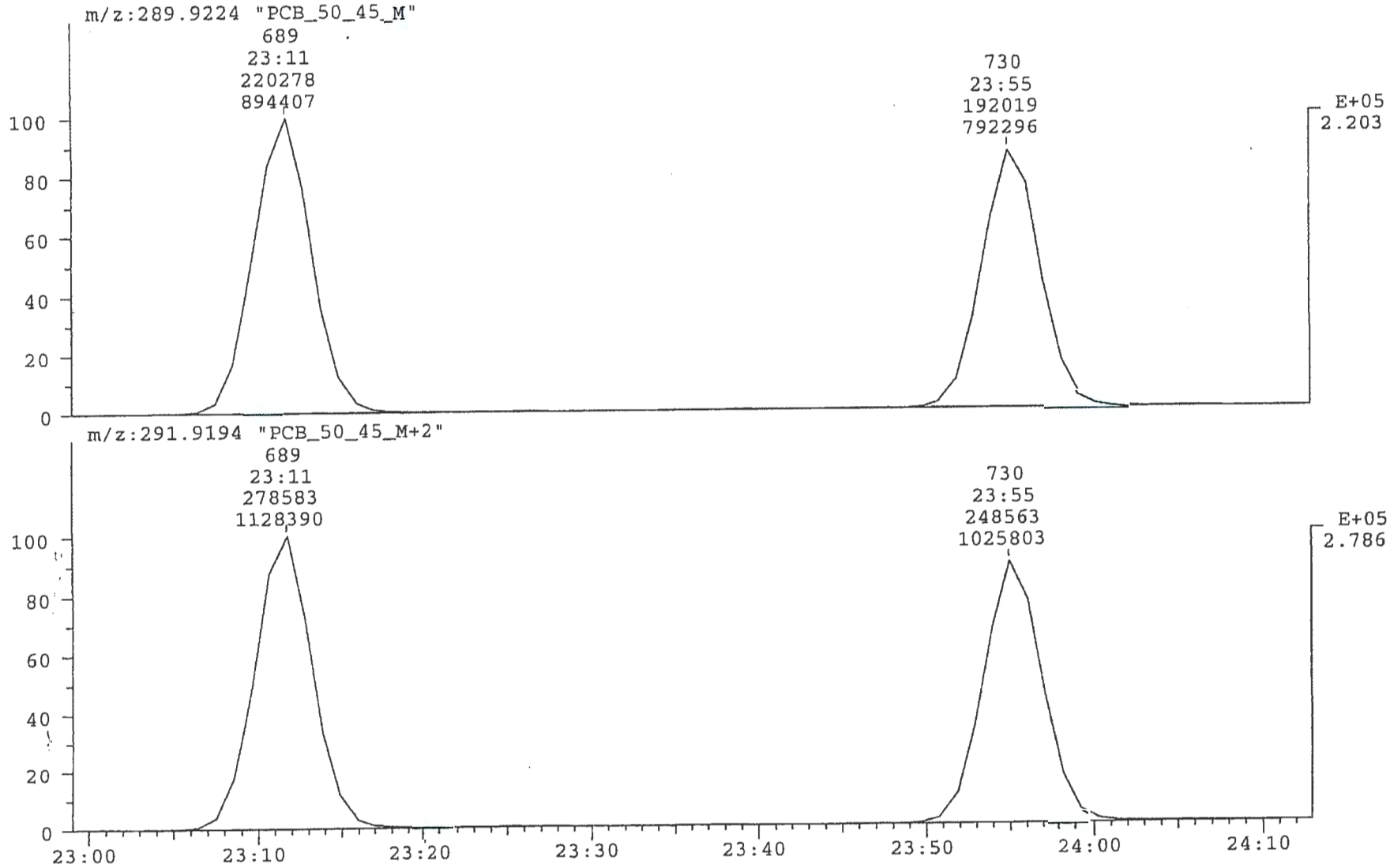
```
CHRO:  a07030711                                07-Mar-07   Elapse:  23:20.2      697
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
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
```



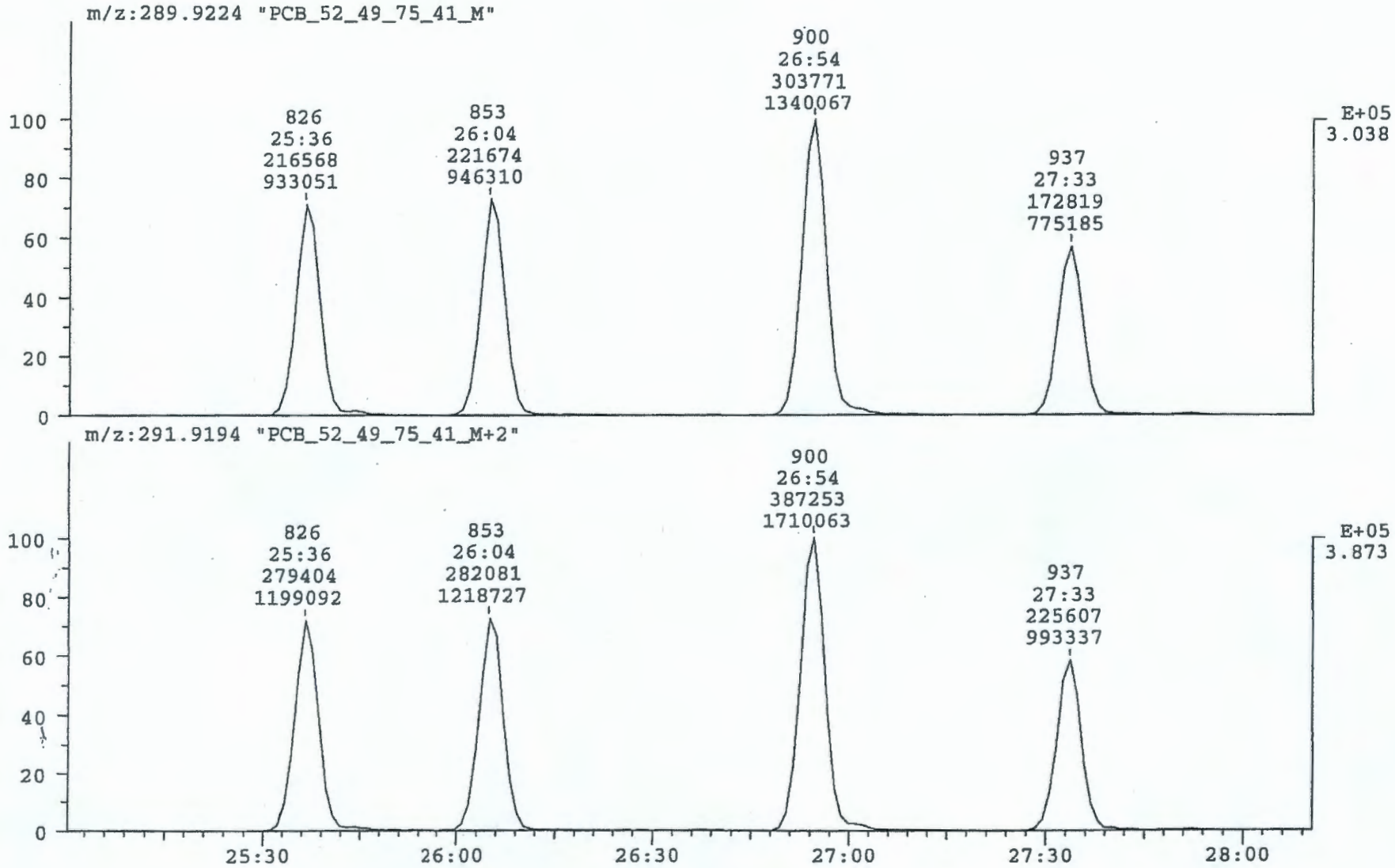
CHRO: a07030711 07-Mar-07 Elapse: 34:14 1317
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 17:03:44 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1247 > 1382 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



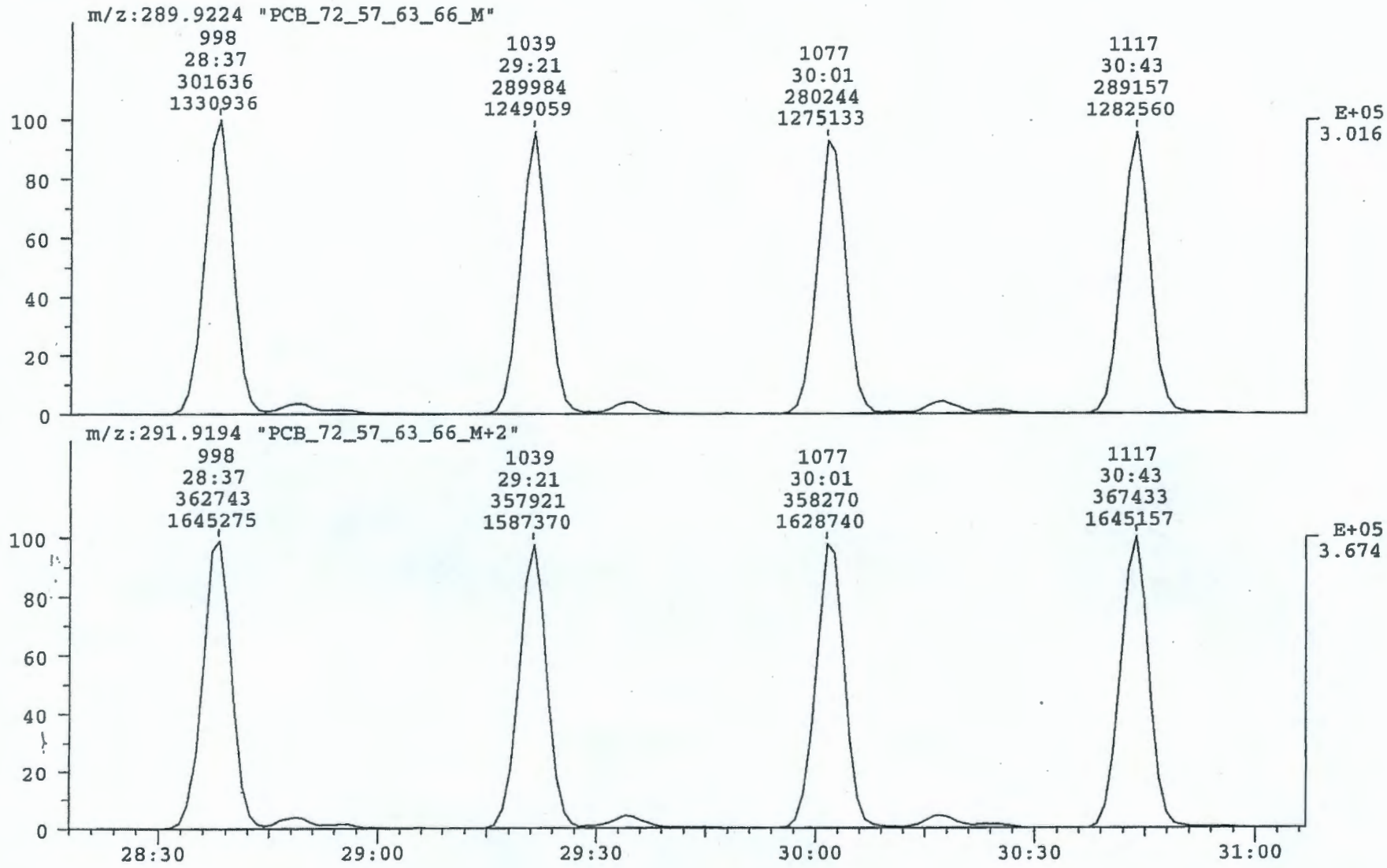
CHRO: a07030711 07-Mar-07 Elapse: 23:41.3 717
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 17:03:44 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 677 > 747 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



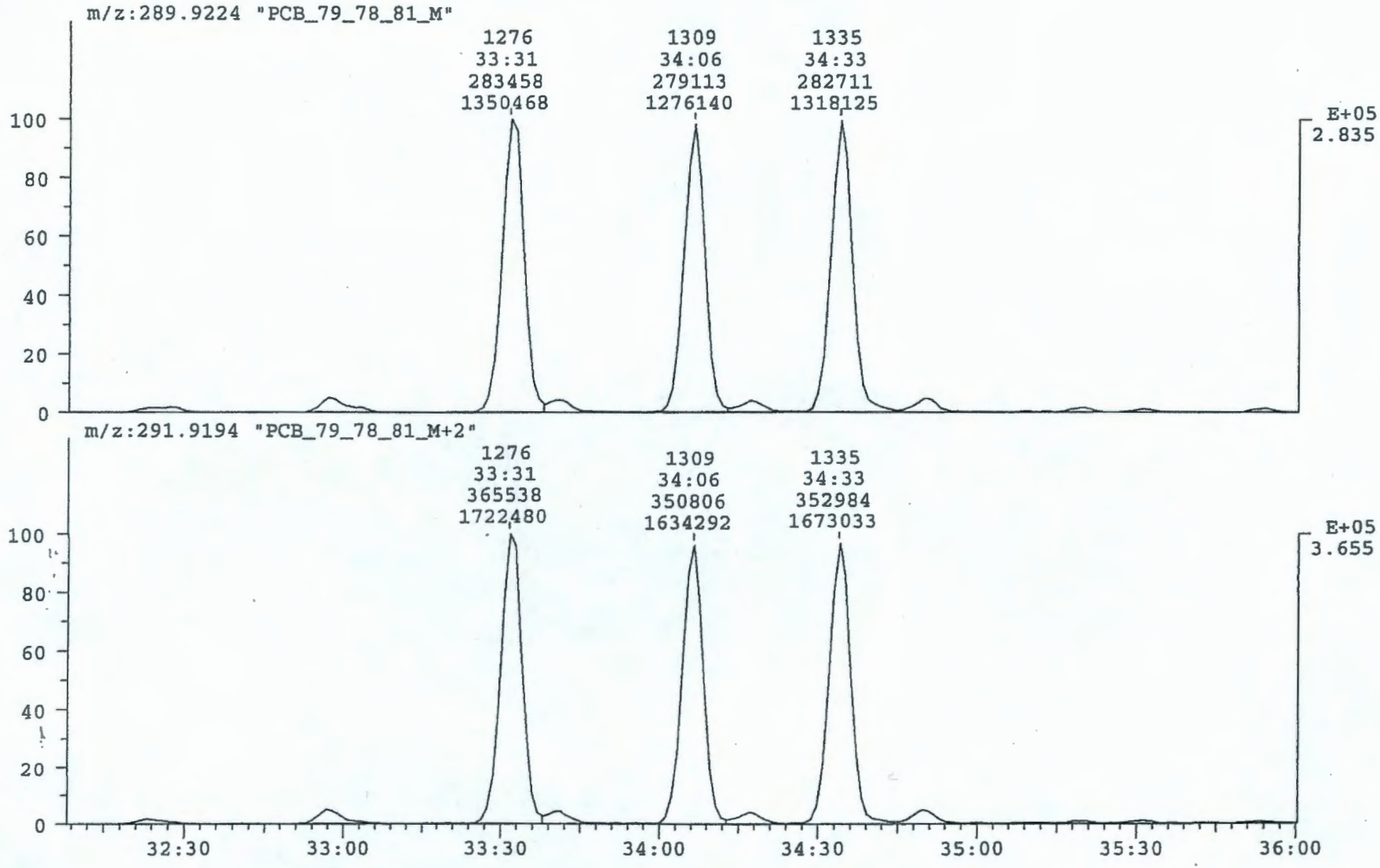
```
CHRO:  a07030711                                07-Mar-07   Elapse:  26:35.5      882
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   792 > 972             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



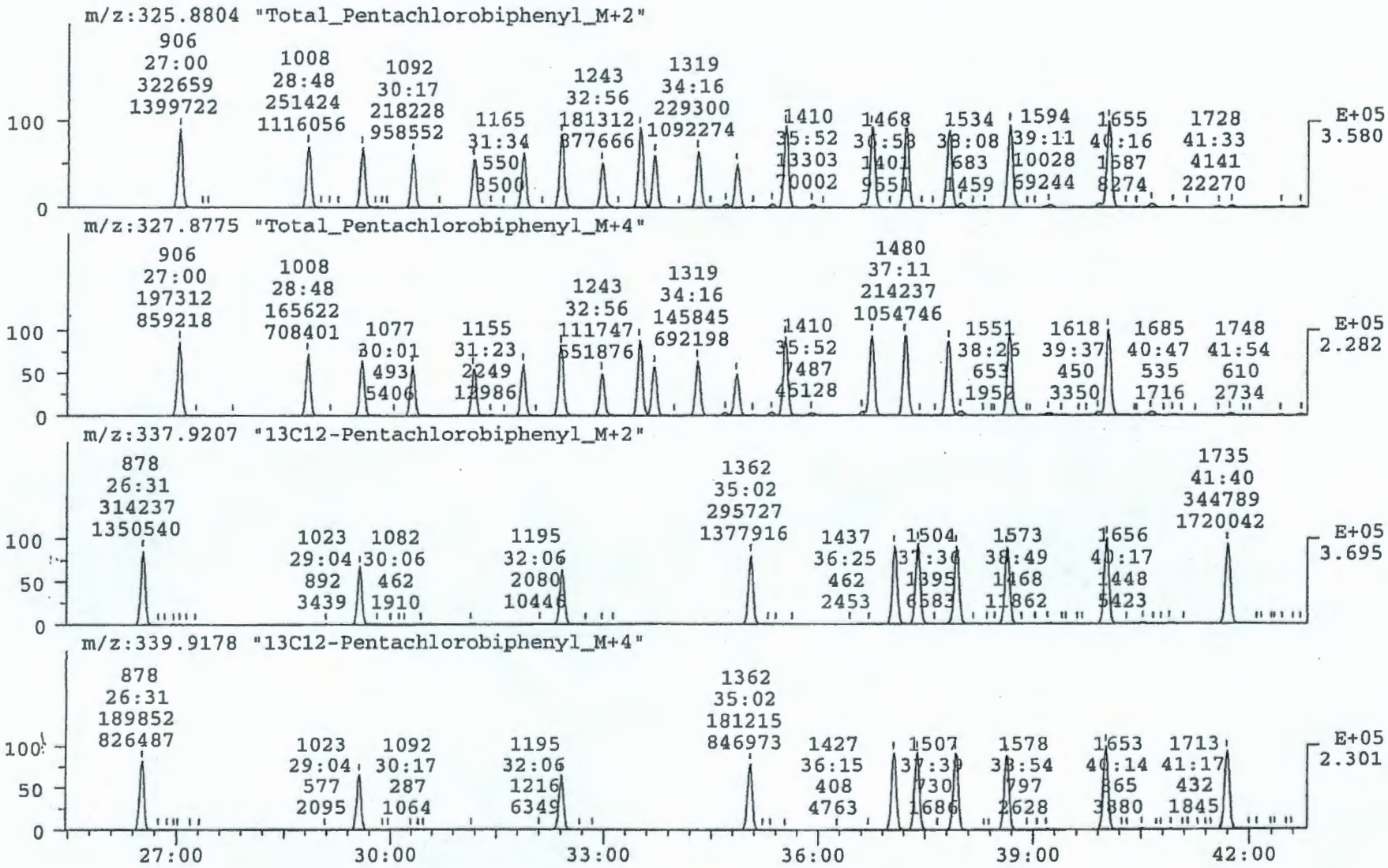
```
CHRO:  a07030711                                07-Mar-07   Elapse:  29:42      1059
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   979 > 1139            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



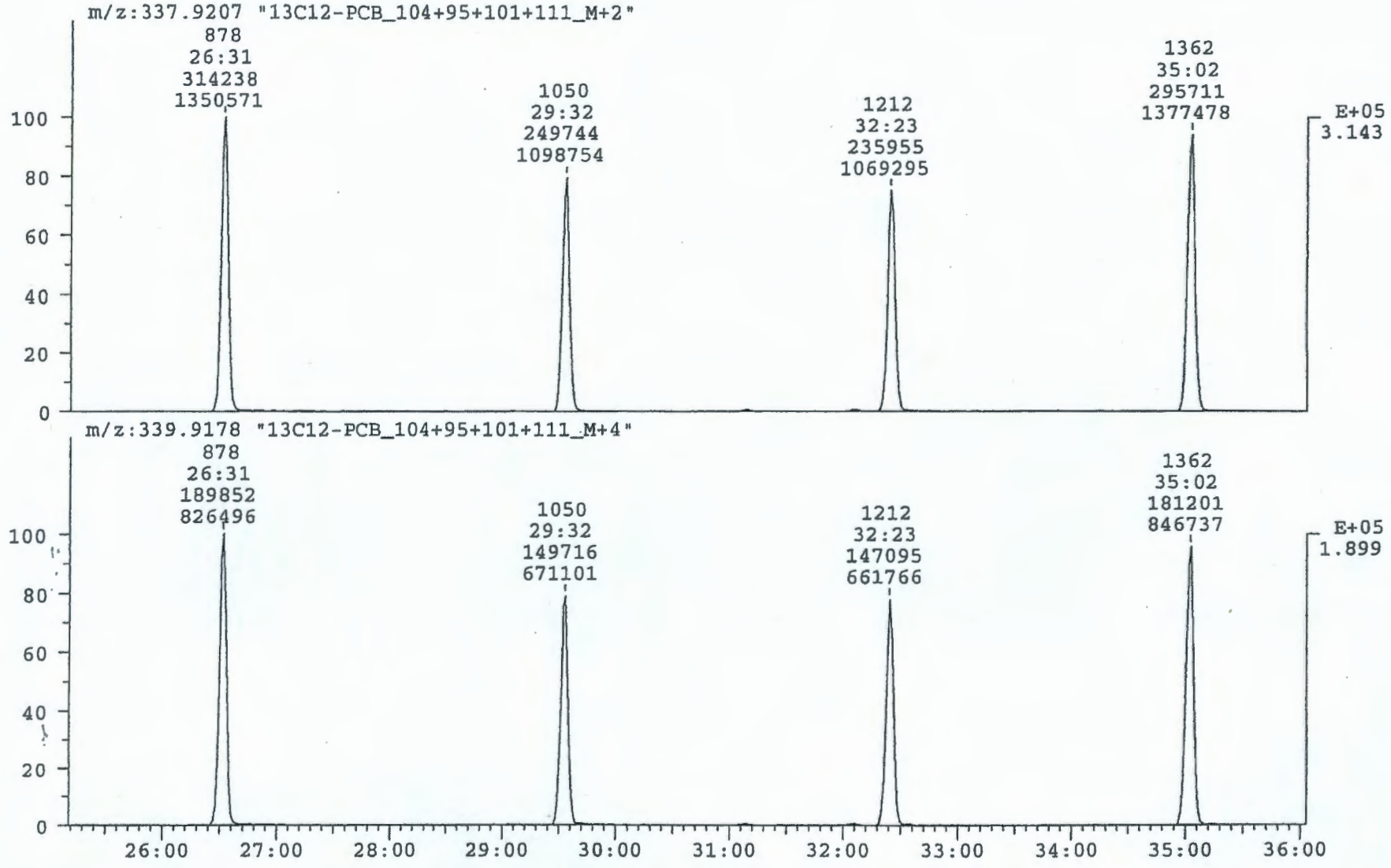
```
CHRO:  a07030711                                07-Mar-07  Elapse:  34:04      1307
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1197 > 1417         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



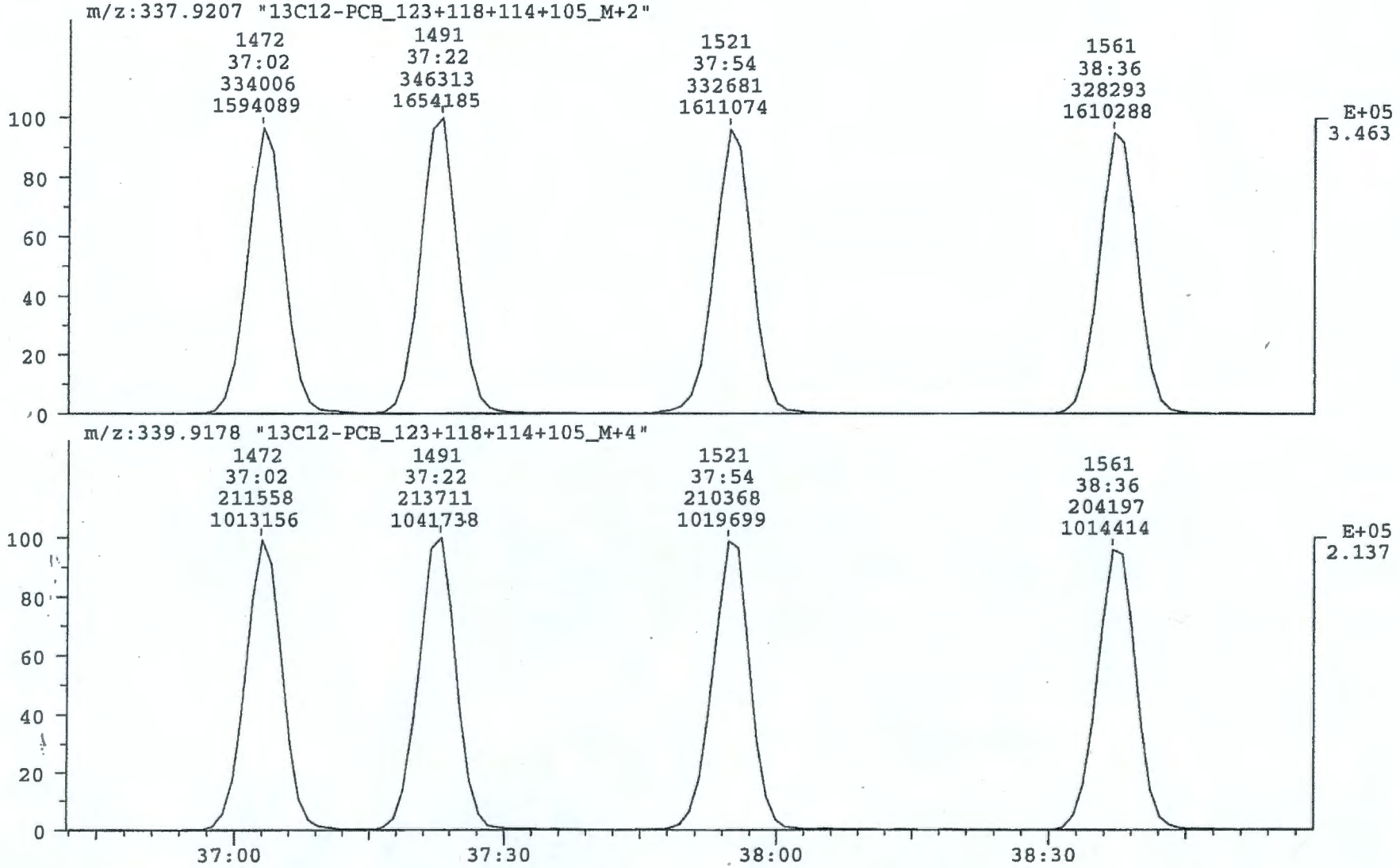
```
CHRO:  a07030711                                07-Mar-07   Elapse:  34:08      1311
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
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
```



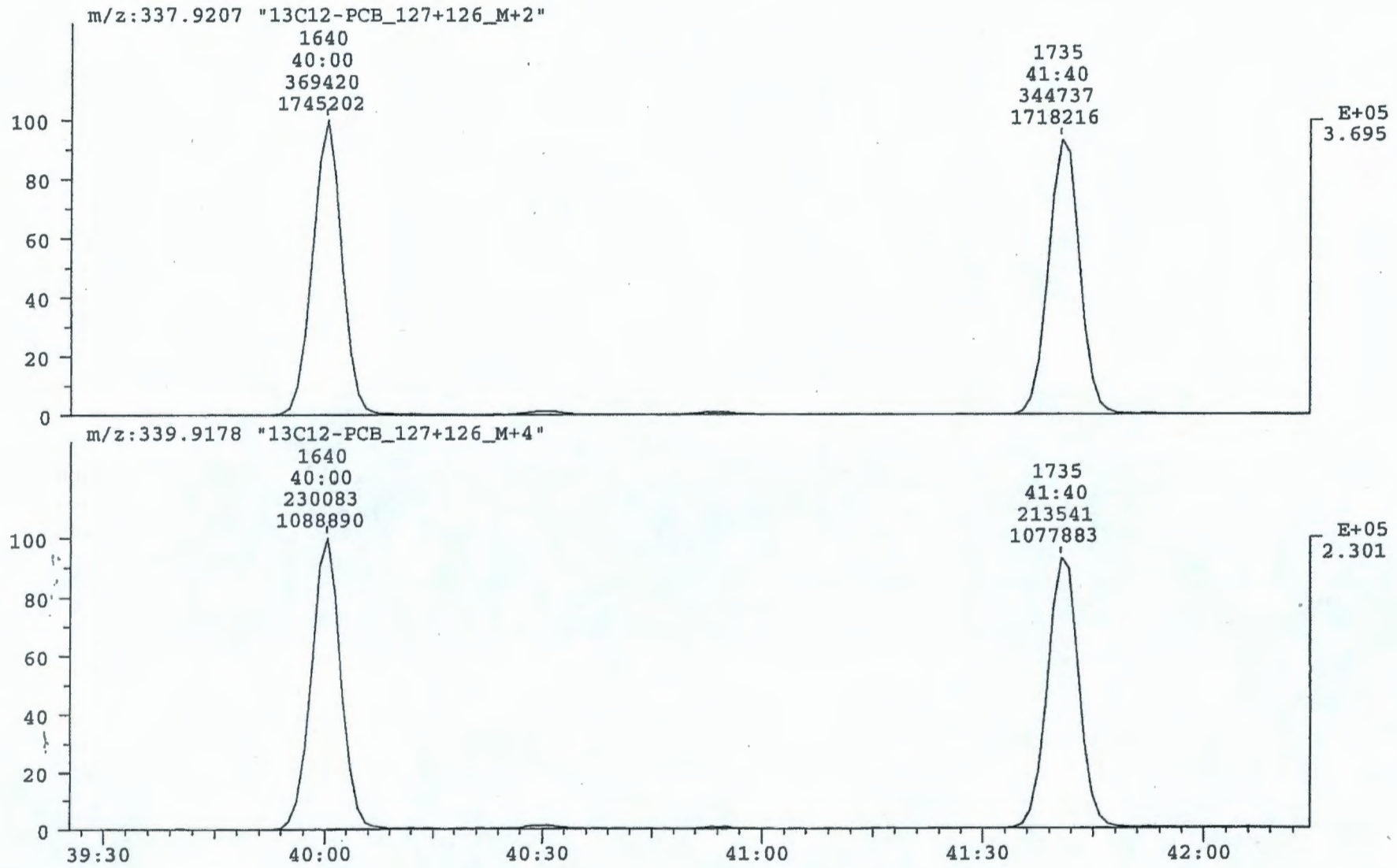
```
CHRO:  a07030711                                07-Mar-07  Elapse:  30:37      1111
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run1
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   802 > 1419           Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



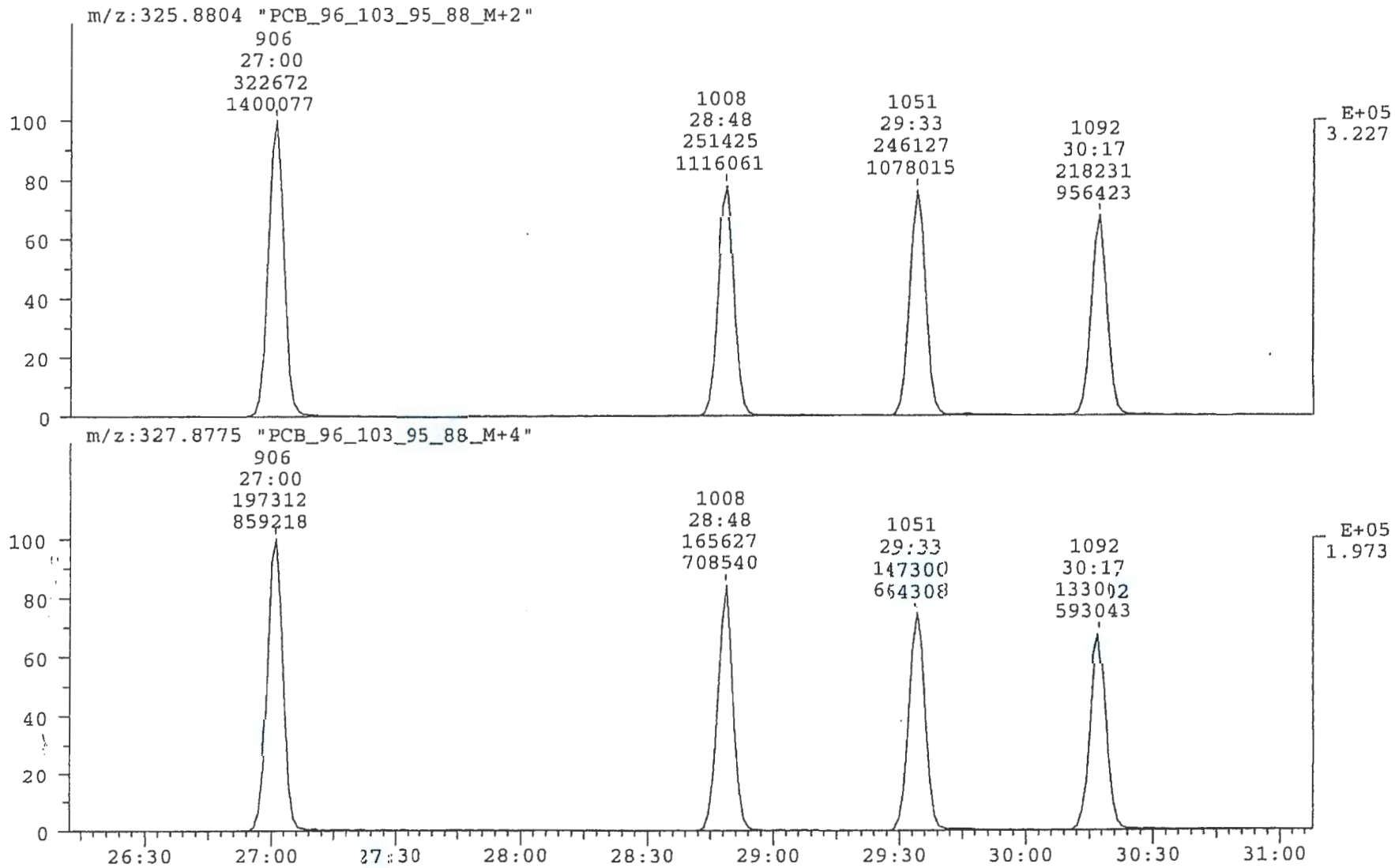
```
CHRO:  a07030711                                07-Mar-07   Elapse:  37:50      1517
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
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
```



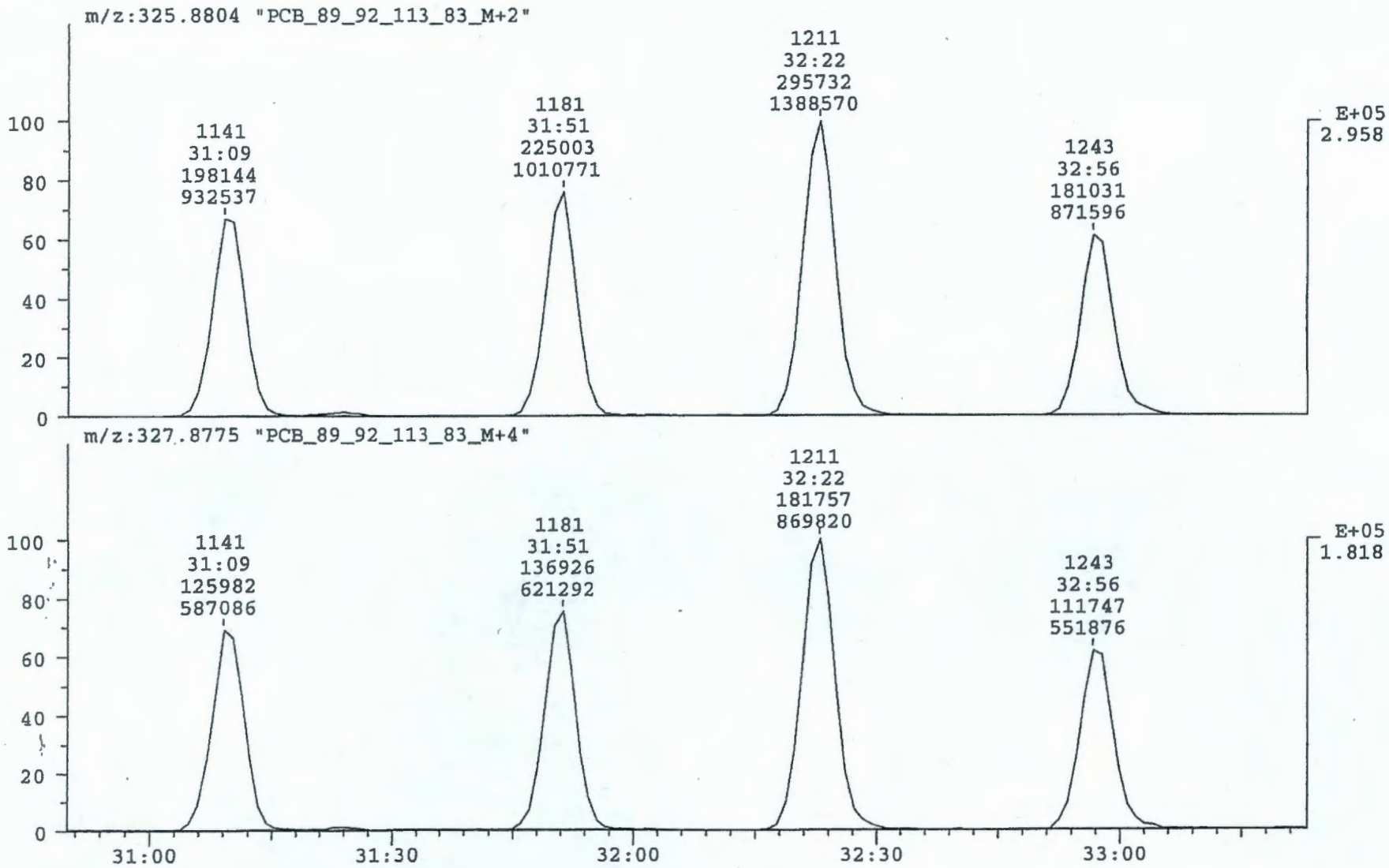
```
CHRO:  a07030711                                07-Mar-07  Elapse:  40:49      1687
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
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
```



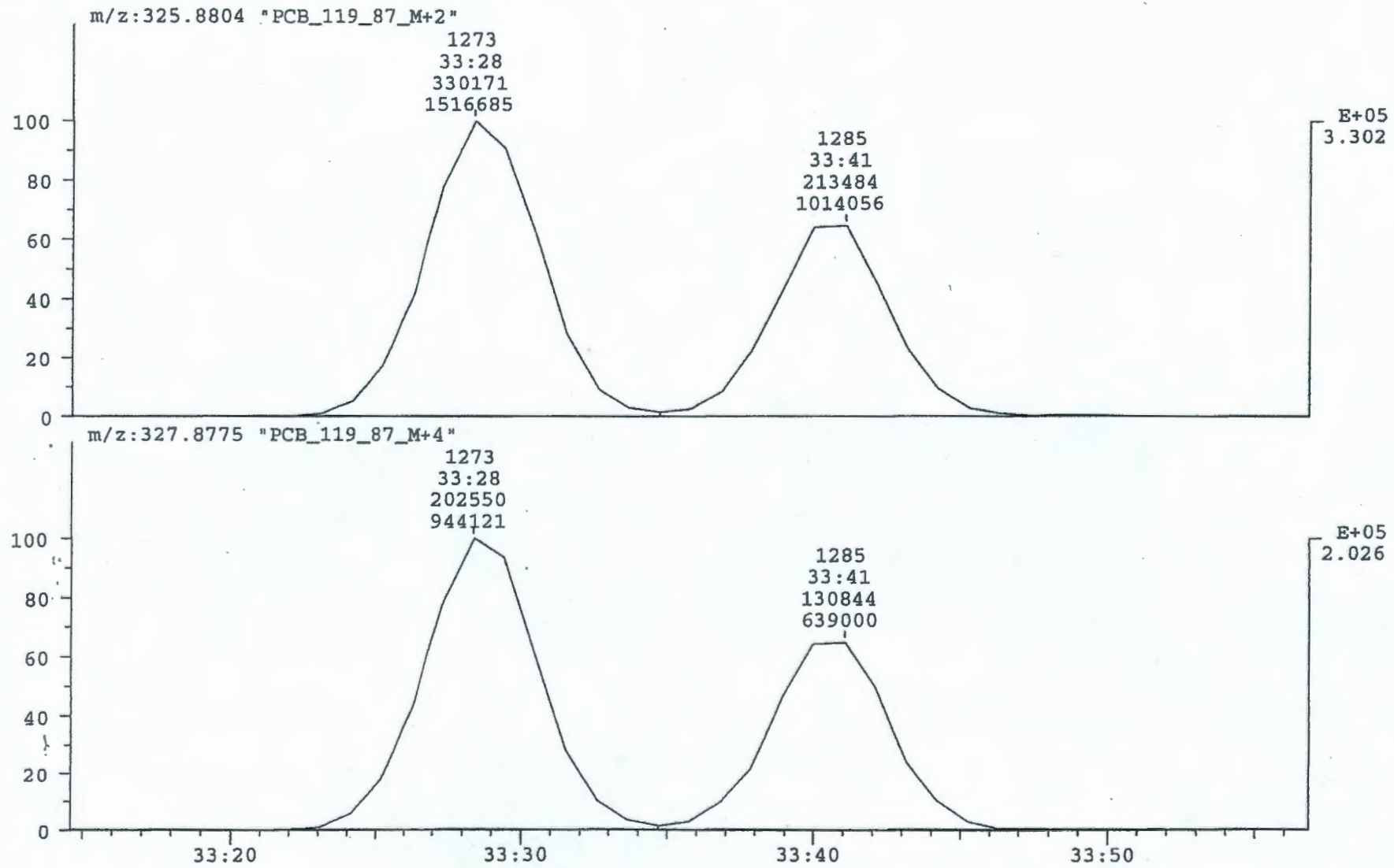
```
CHRO:  a07030711                                07-Mar-07   Elapse:  28:40      1000
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   860 > 1140             Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



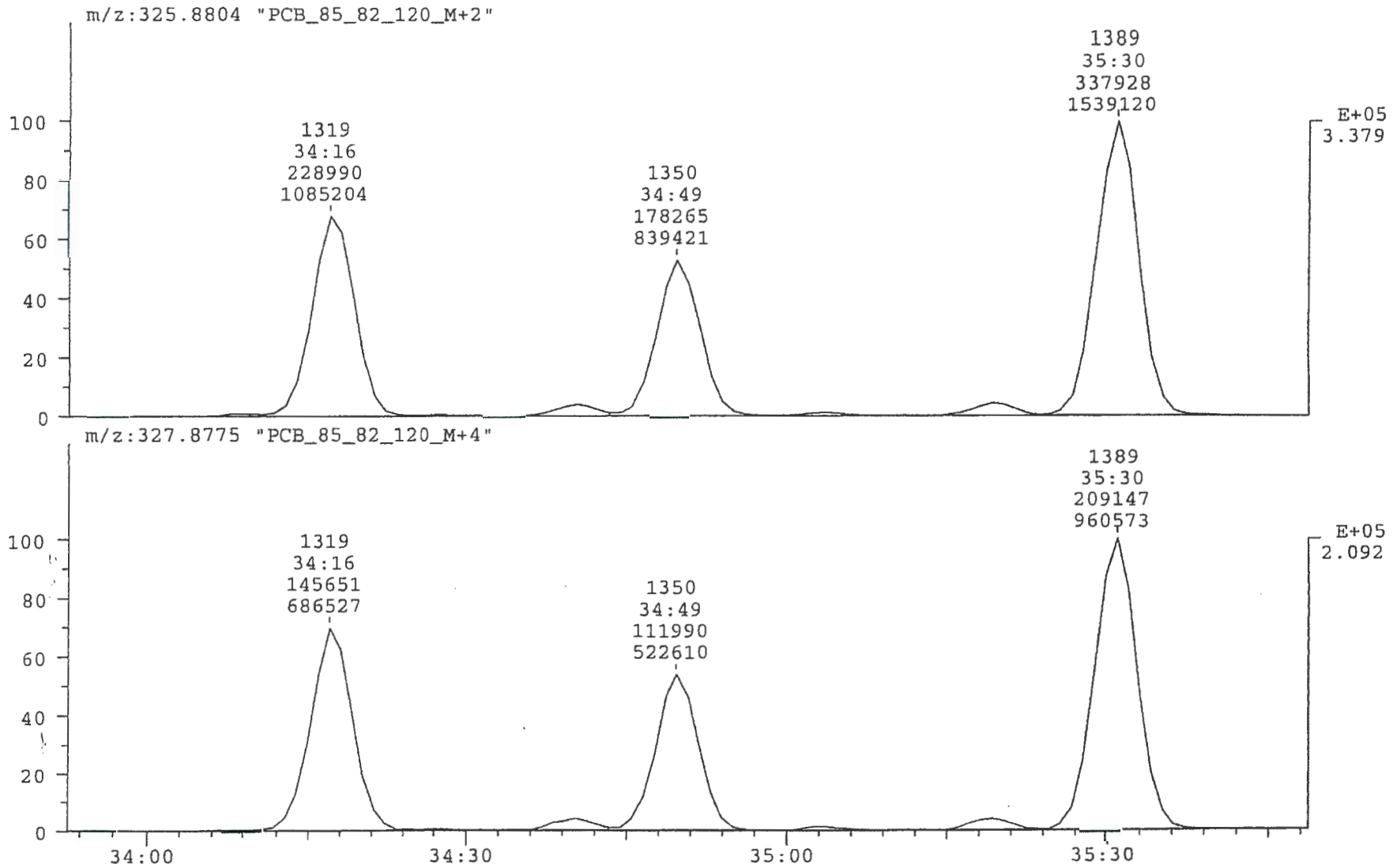
```
CHRO:  a07030711                                07-Mar-07   Elapse:  32:03      1193
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1123 > 1268           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



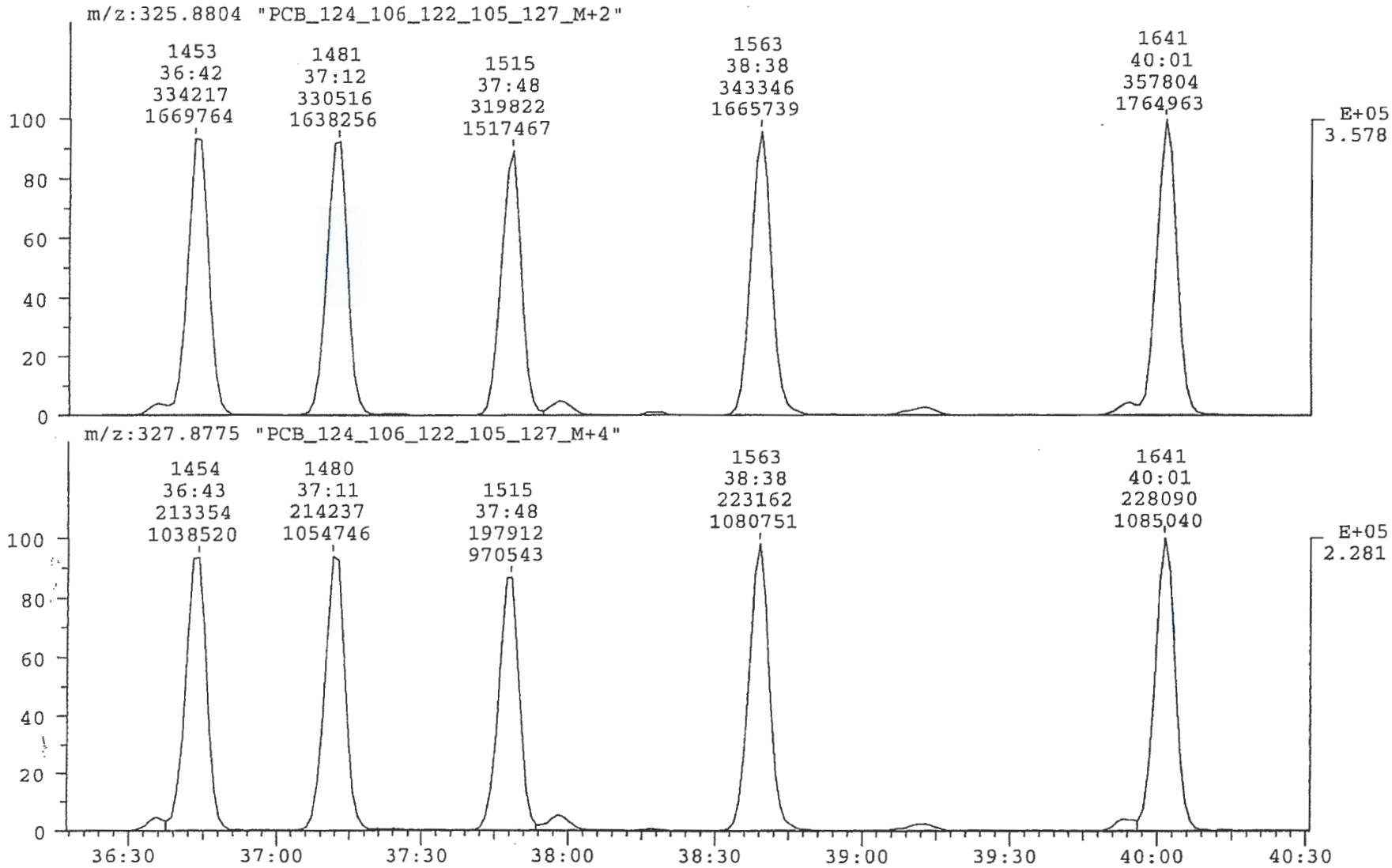
```
CHRO:  a07030711                                07-Mar-07   Elapse:  33:35      1280
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1260 > 1300           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



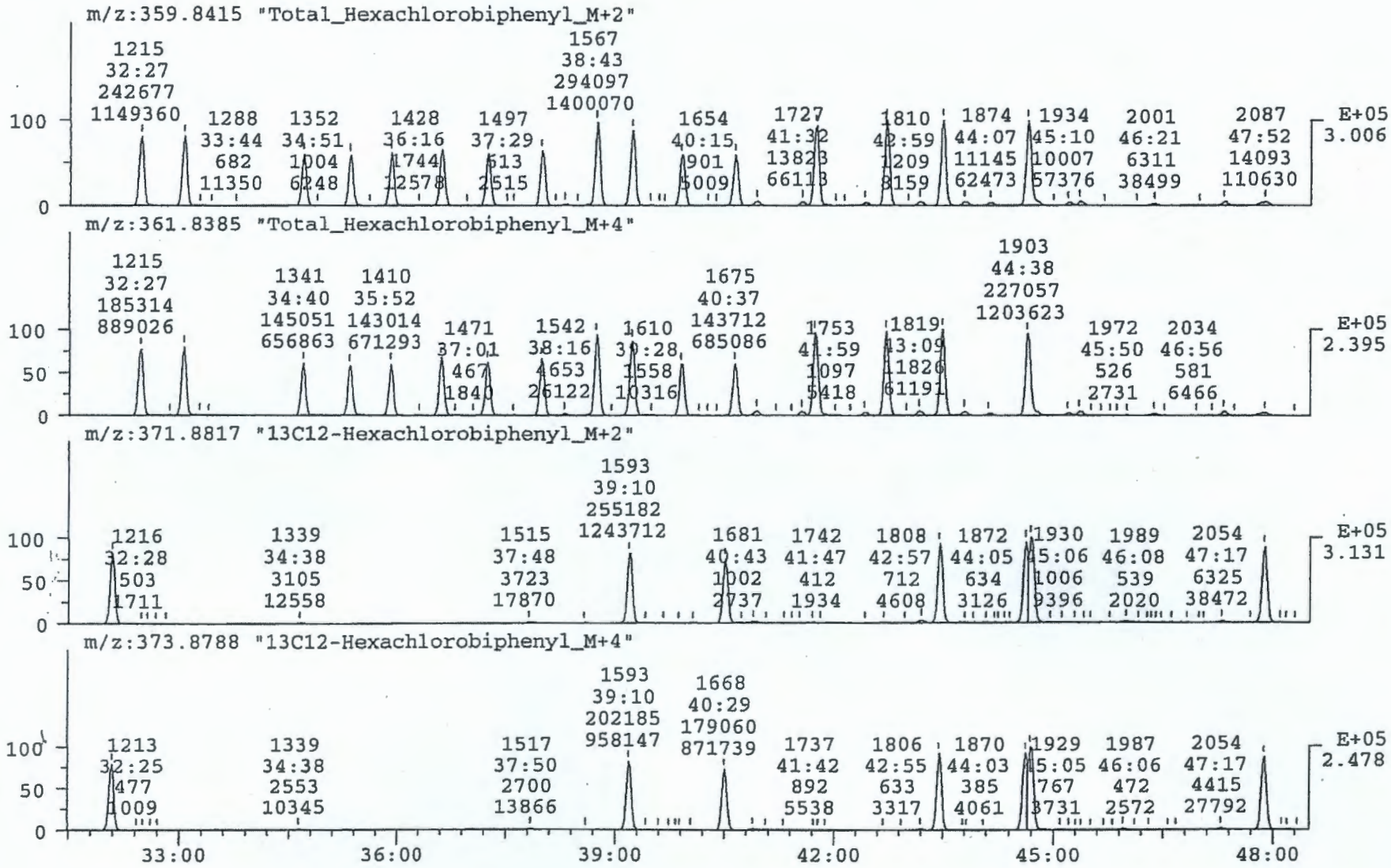
```
CHRO:  a07030711                                07-Mar-07   Elapse:  34:40      1341
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1296 > 1406           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



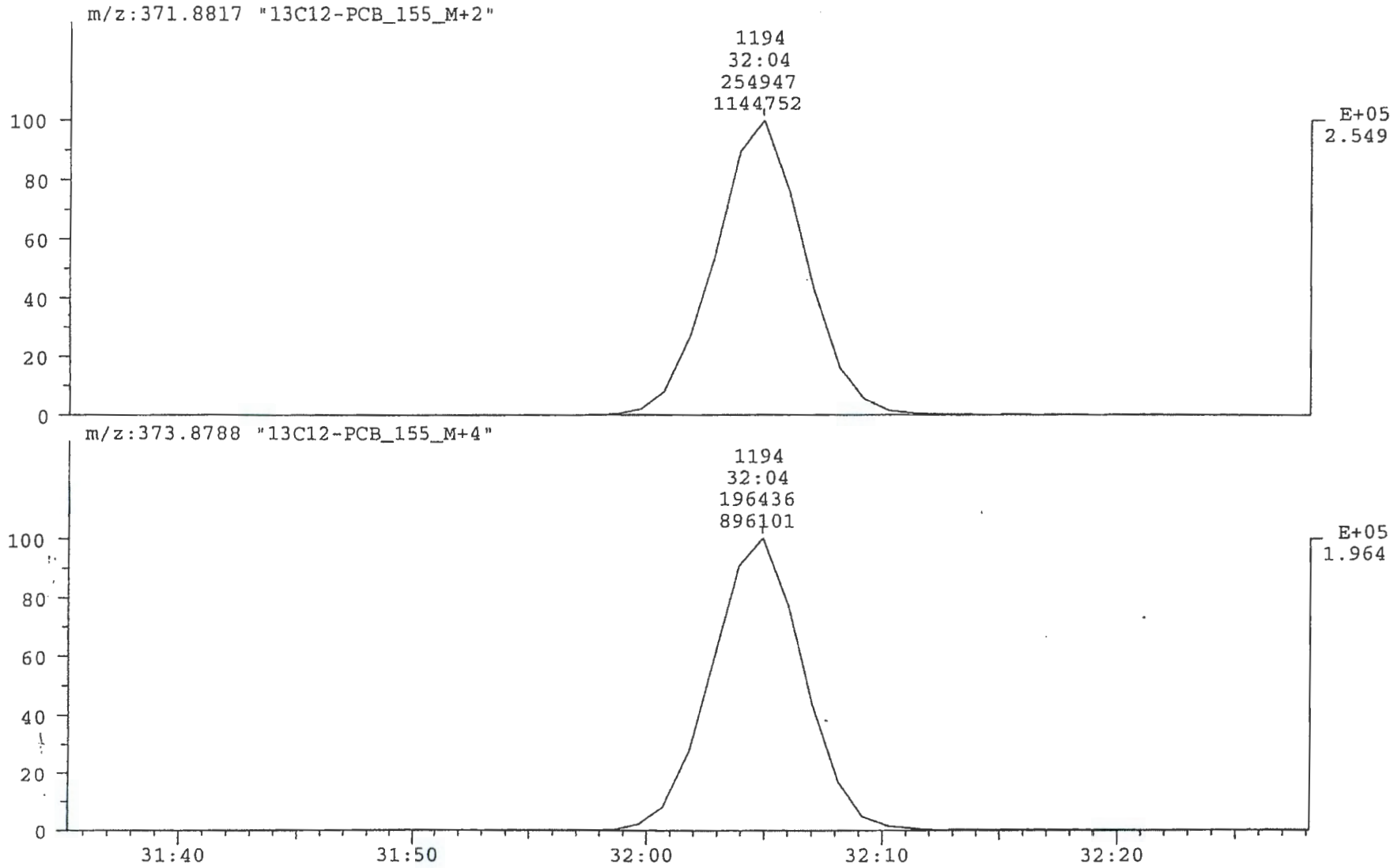
```
CHRO:  a07030711                                07-Mar-07   Elapse:  38:29      1554
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1429 > 1669           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



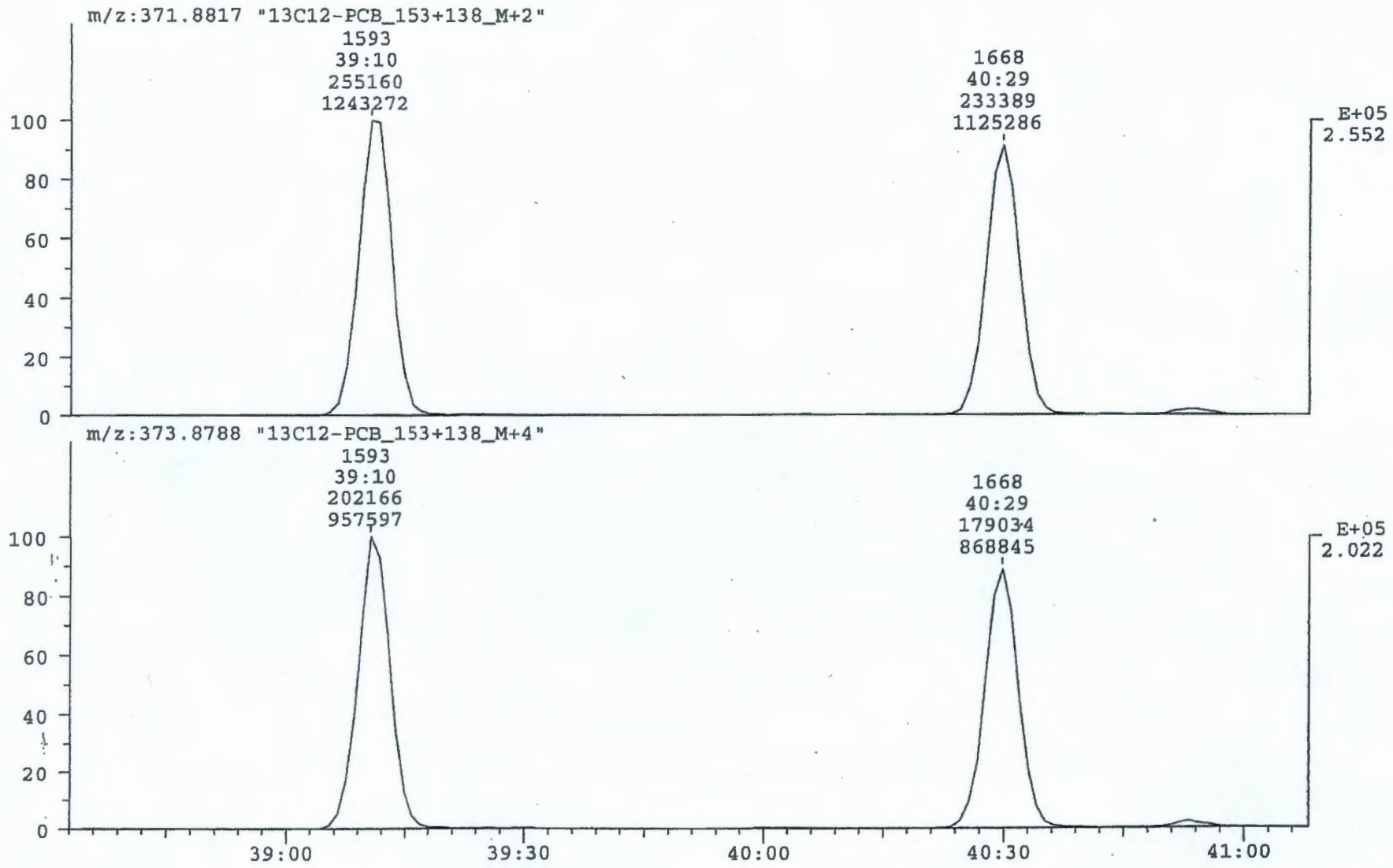
```
CHRO:  a07030711                                07-Mar-07   Elapse:  39:59      1639
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
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
```



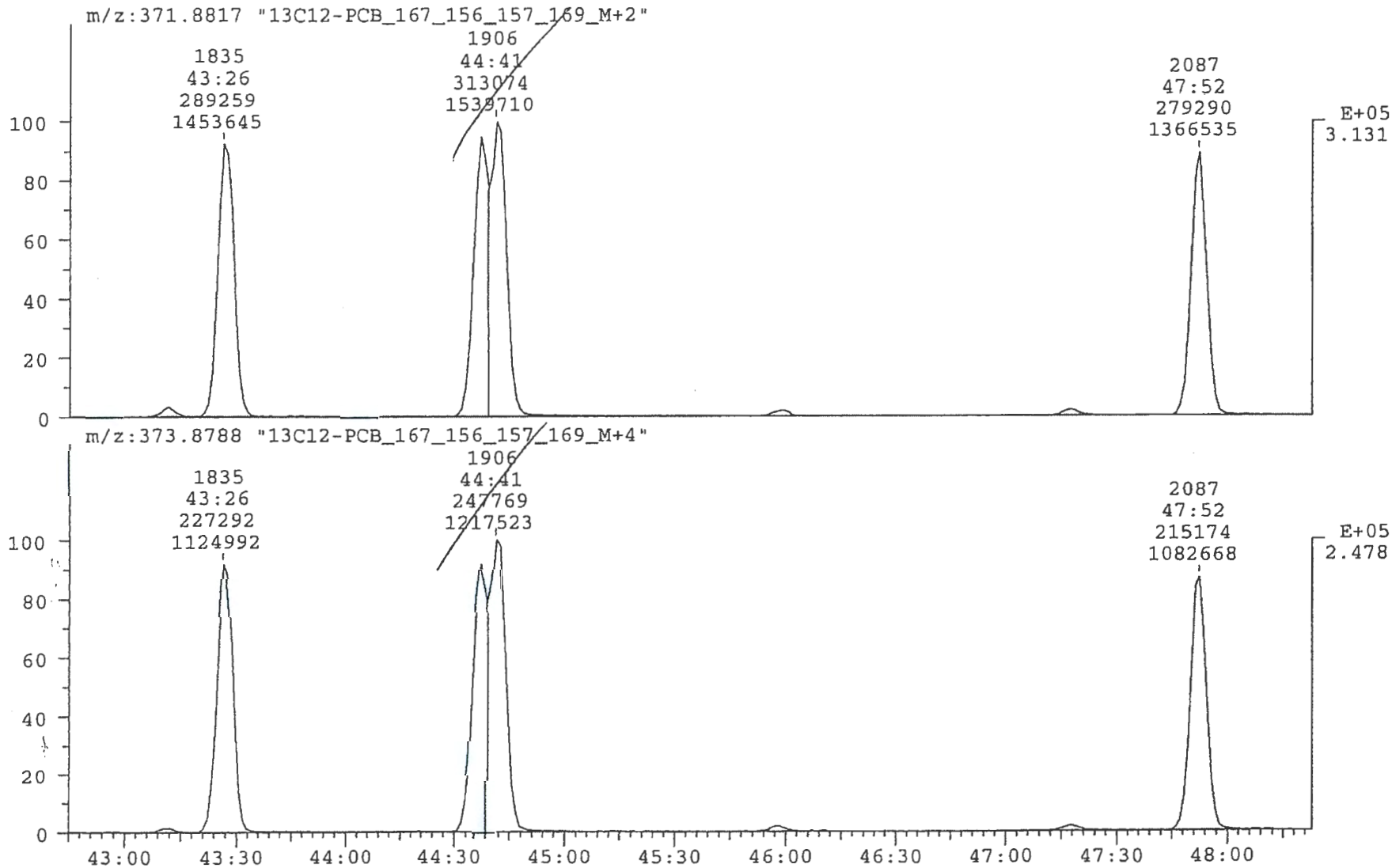
```
CHRO:  a07030711                                07-Mar-07   Elapse:  32:01      1191
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
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
```



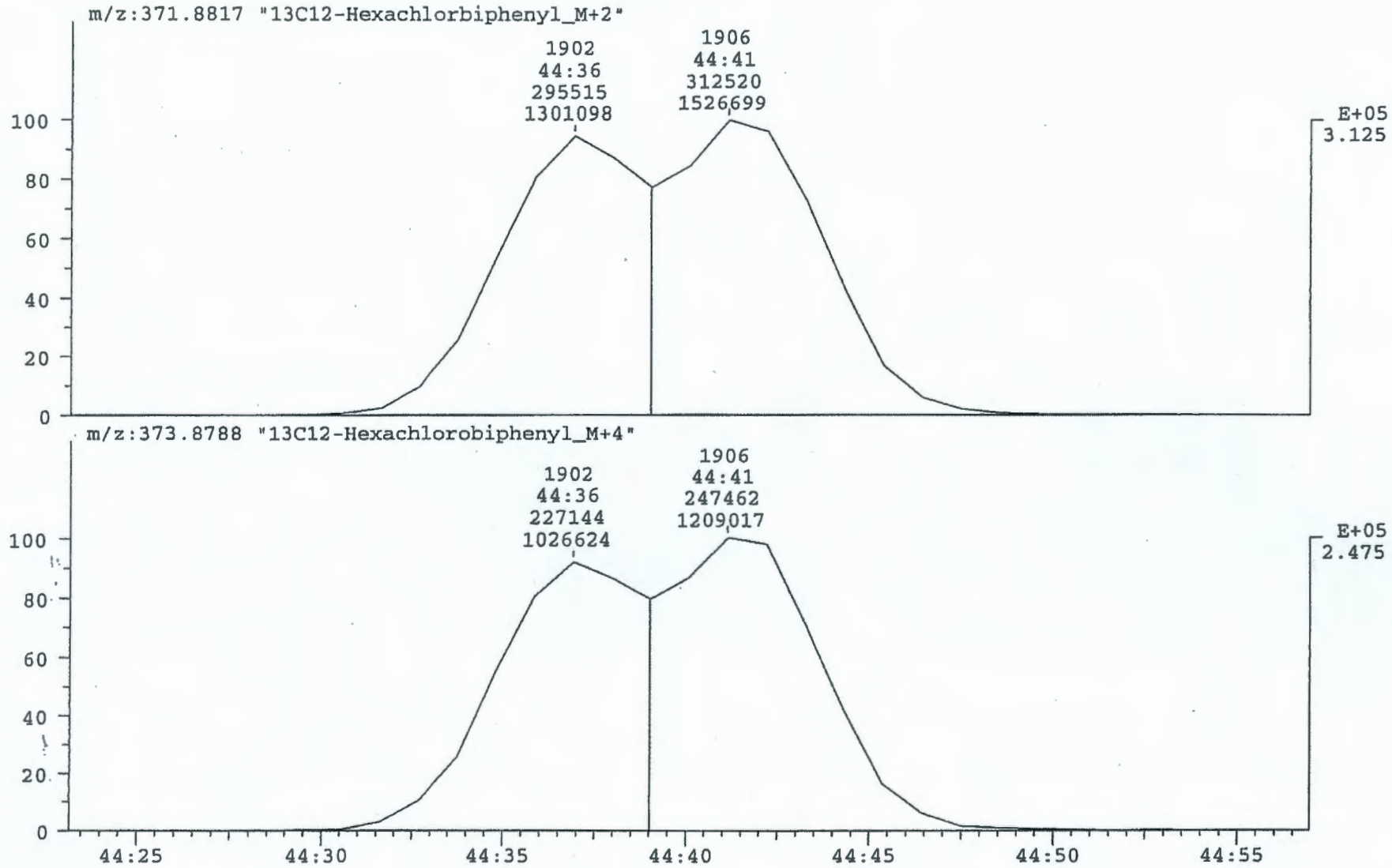
```
CHRO:  a07030711                                07-Mar-07   Elapse:  39:49      1630
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
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
```



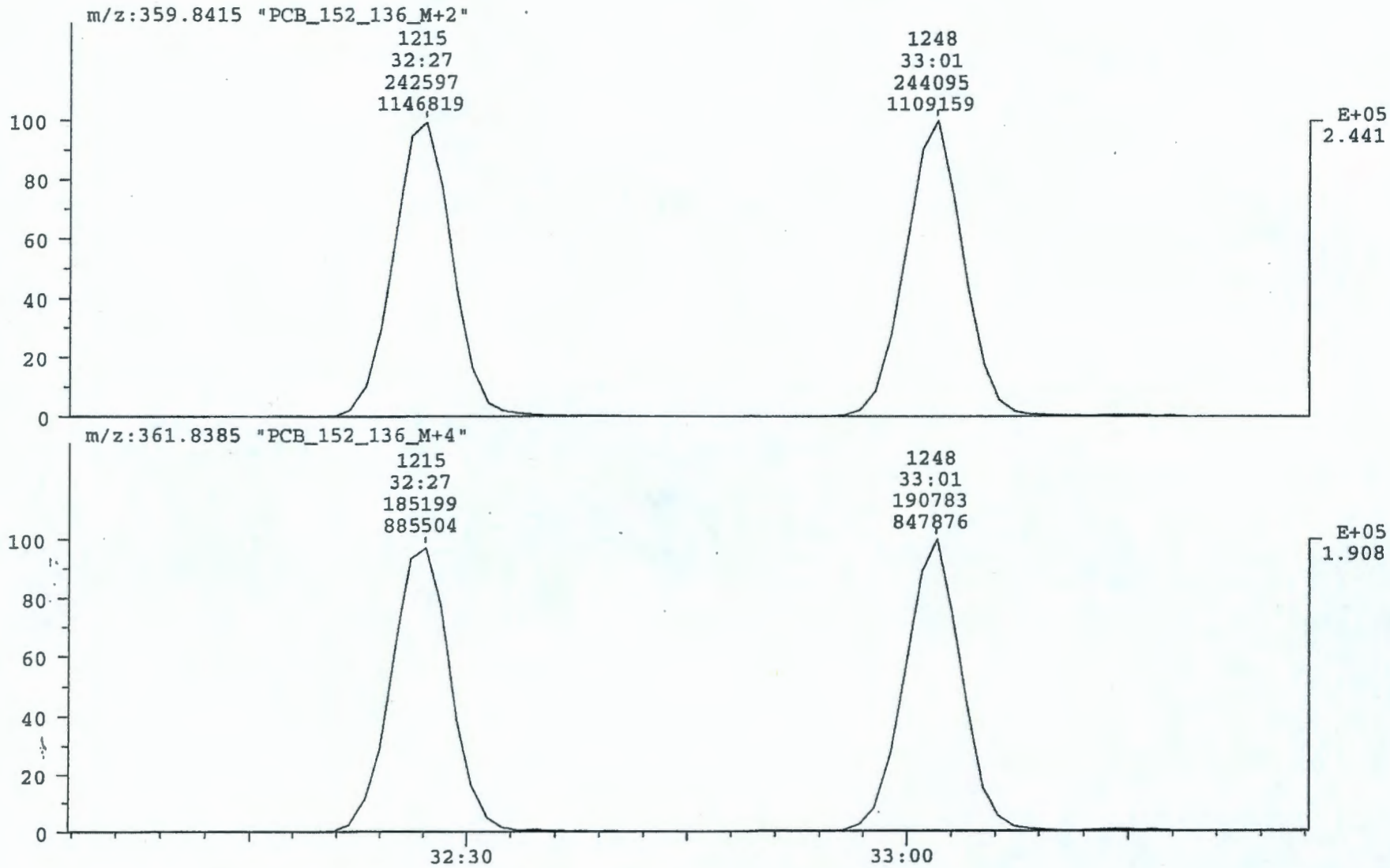
```
CHRO:  a07030711                                07-Mar-07   Elapse:  45:39      1961
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1796 > 2116           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



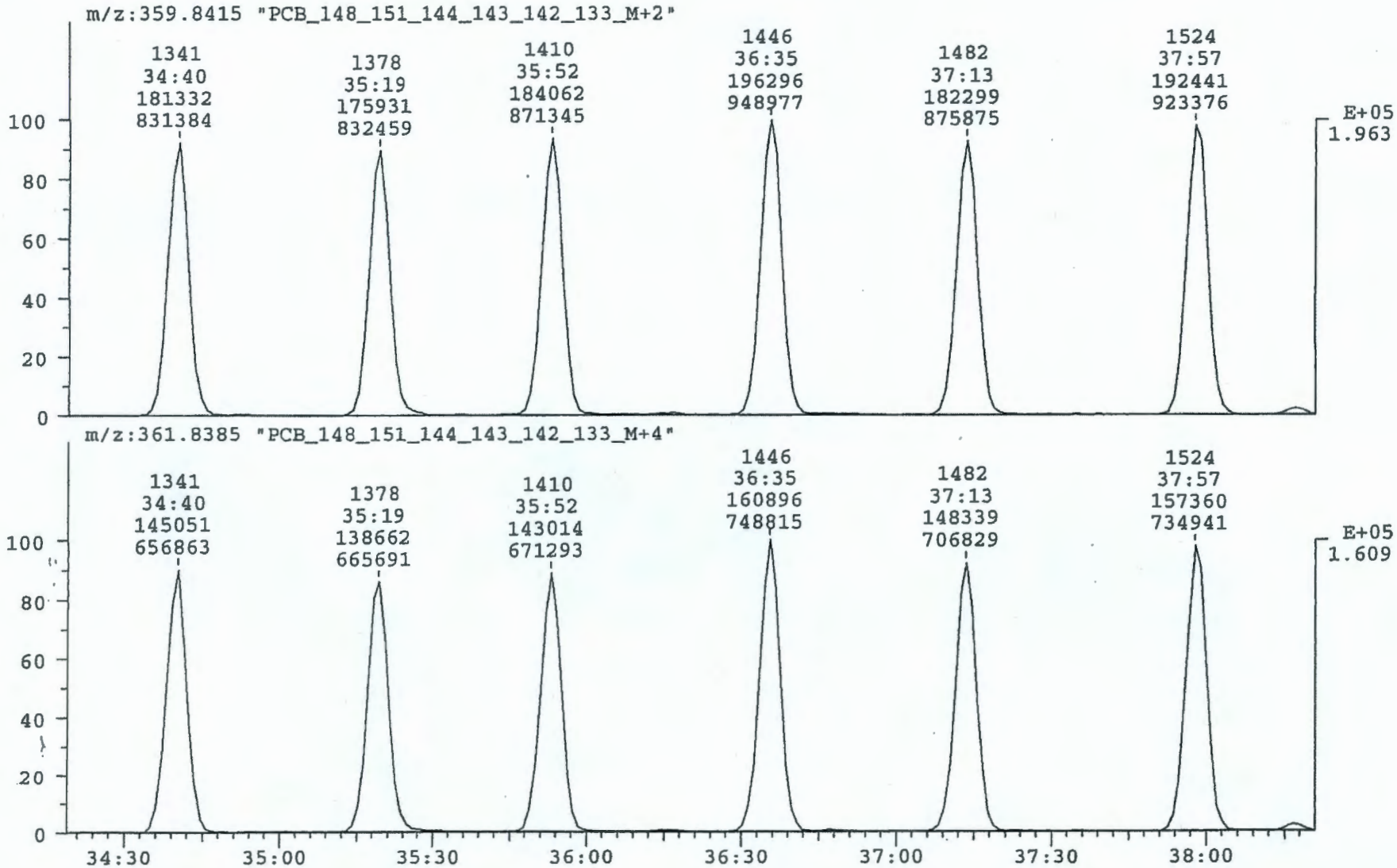
```
CHRO:  a07030711                                07-Mar-07  Elapse:  56:11      2555
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1889 > 1921          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



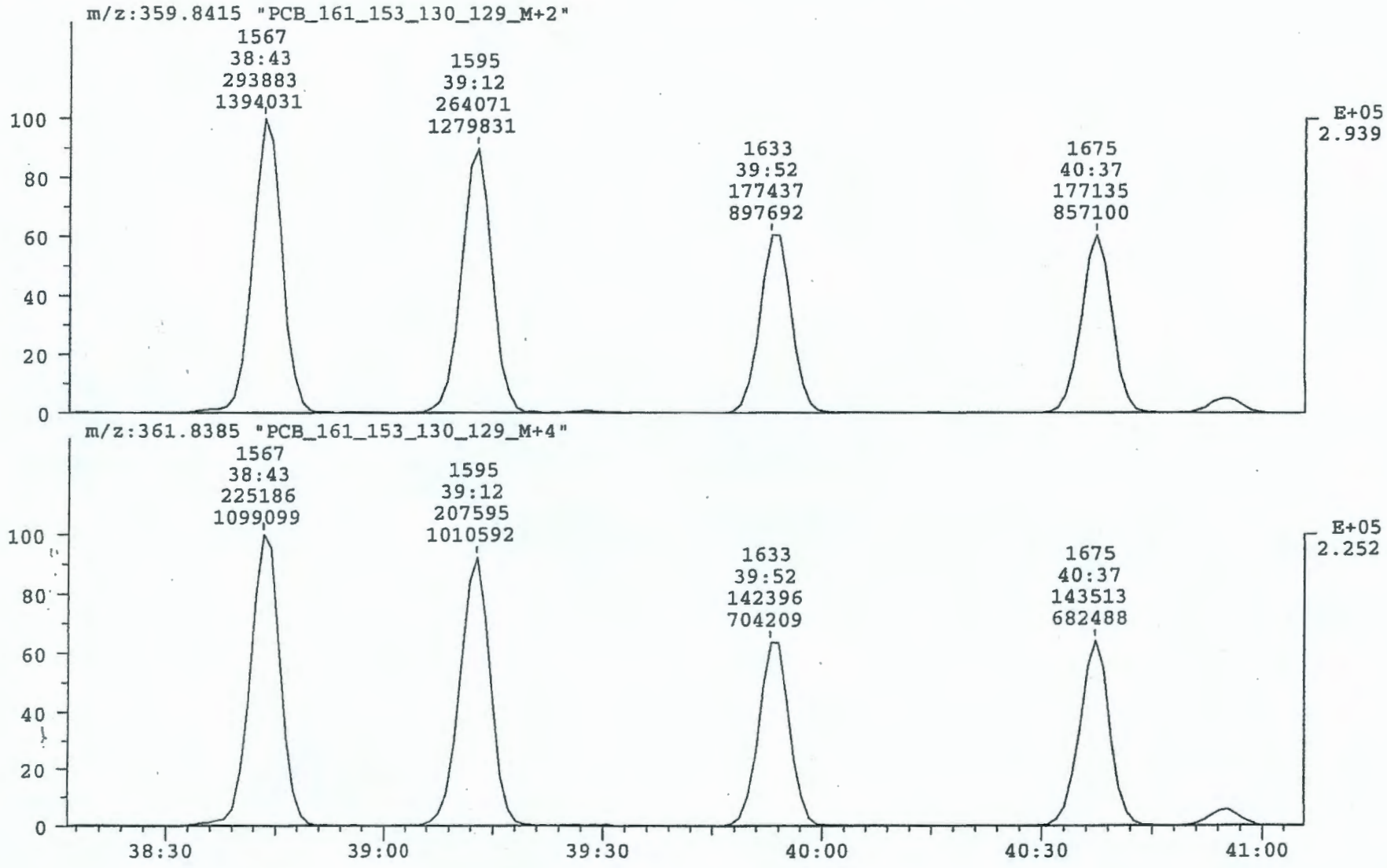
```
CHRO:  a07030711                                07-Mar-07  Elapse:  32:45      1232
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1192 > 1272         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



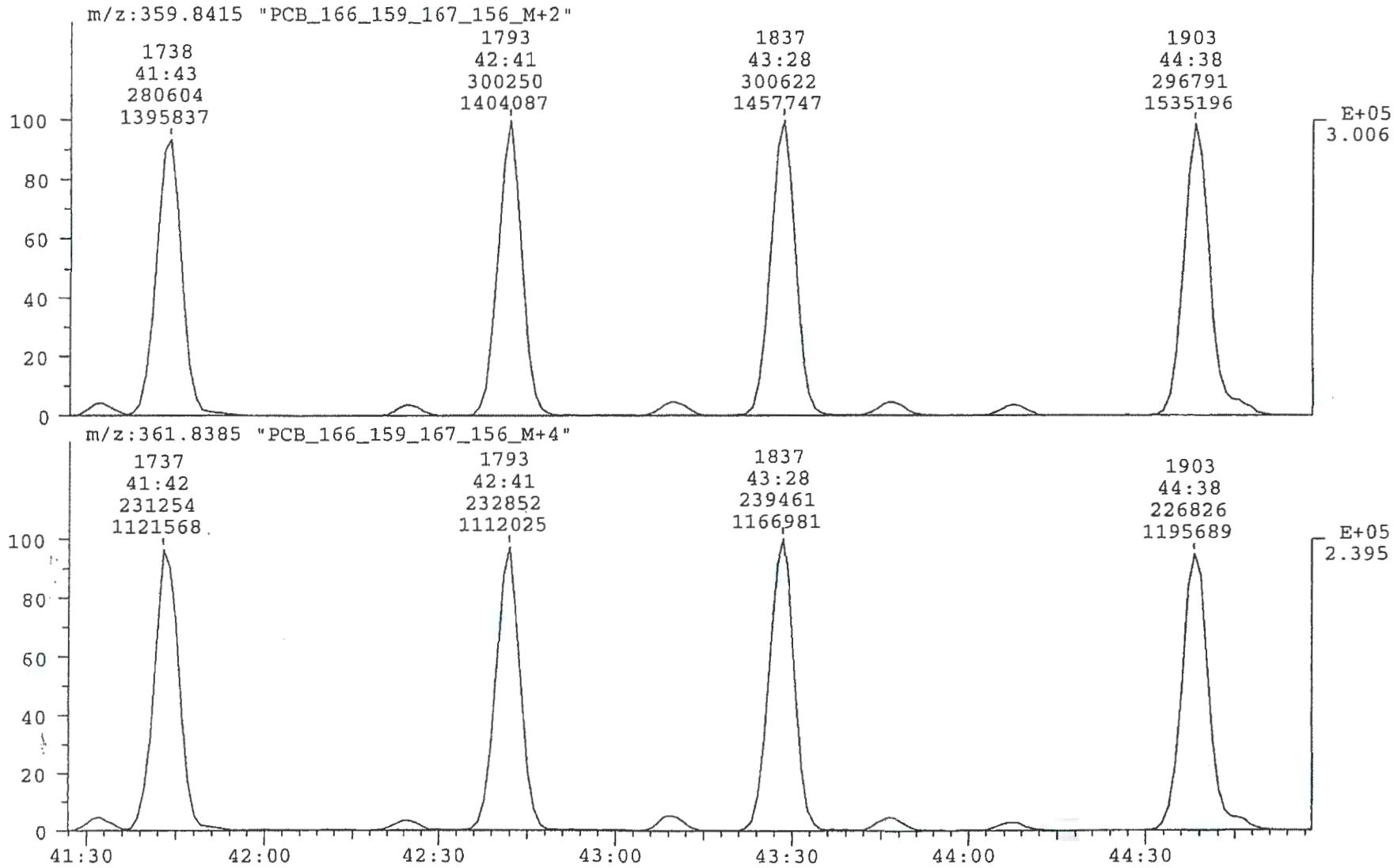
```
CHRO:  a07030711                                07-Mar-07   Elapse:  36:19      1431
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1321 > 1546           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



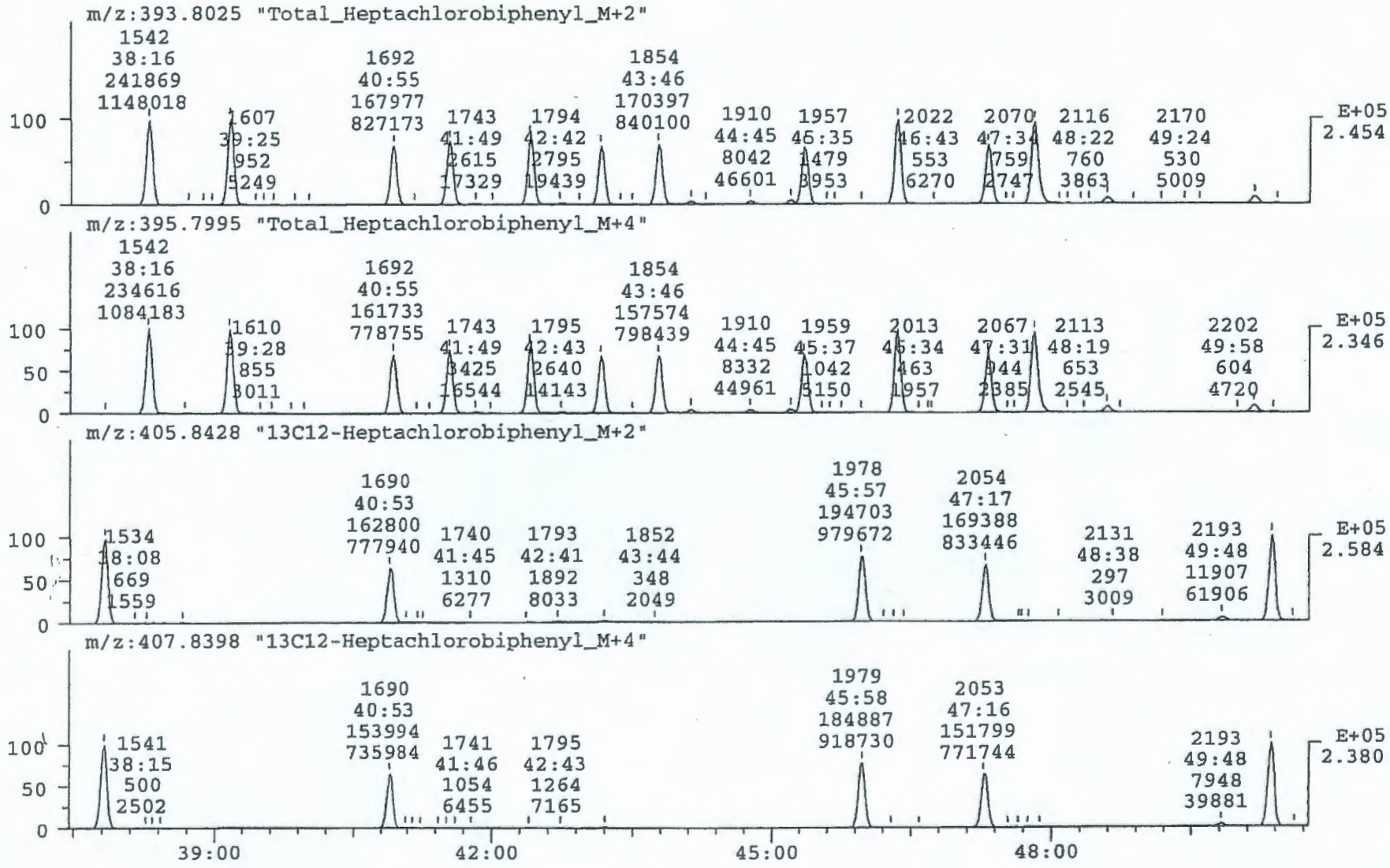
```
CHRO:  a07030711                                07-Mar-07   Elapse:  39:41      1622
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1542 > 1702           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



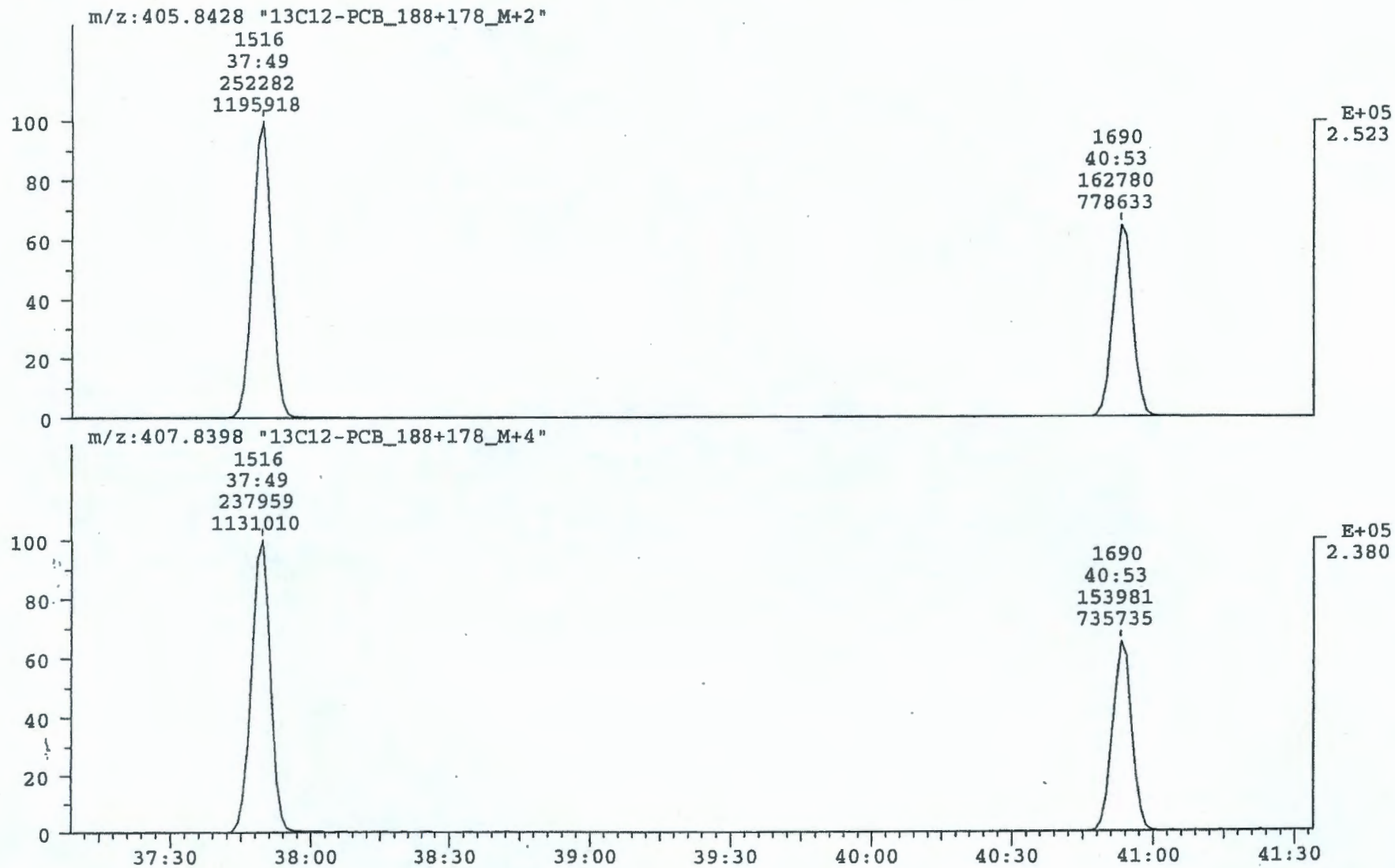
```
CHRO:  a07030711                              07-Mar-07   Elapse:  43:12      1822
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1722 > 1922         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



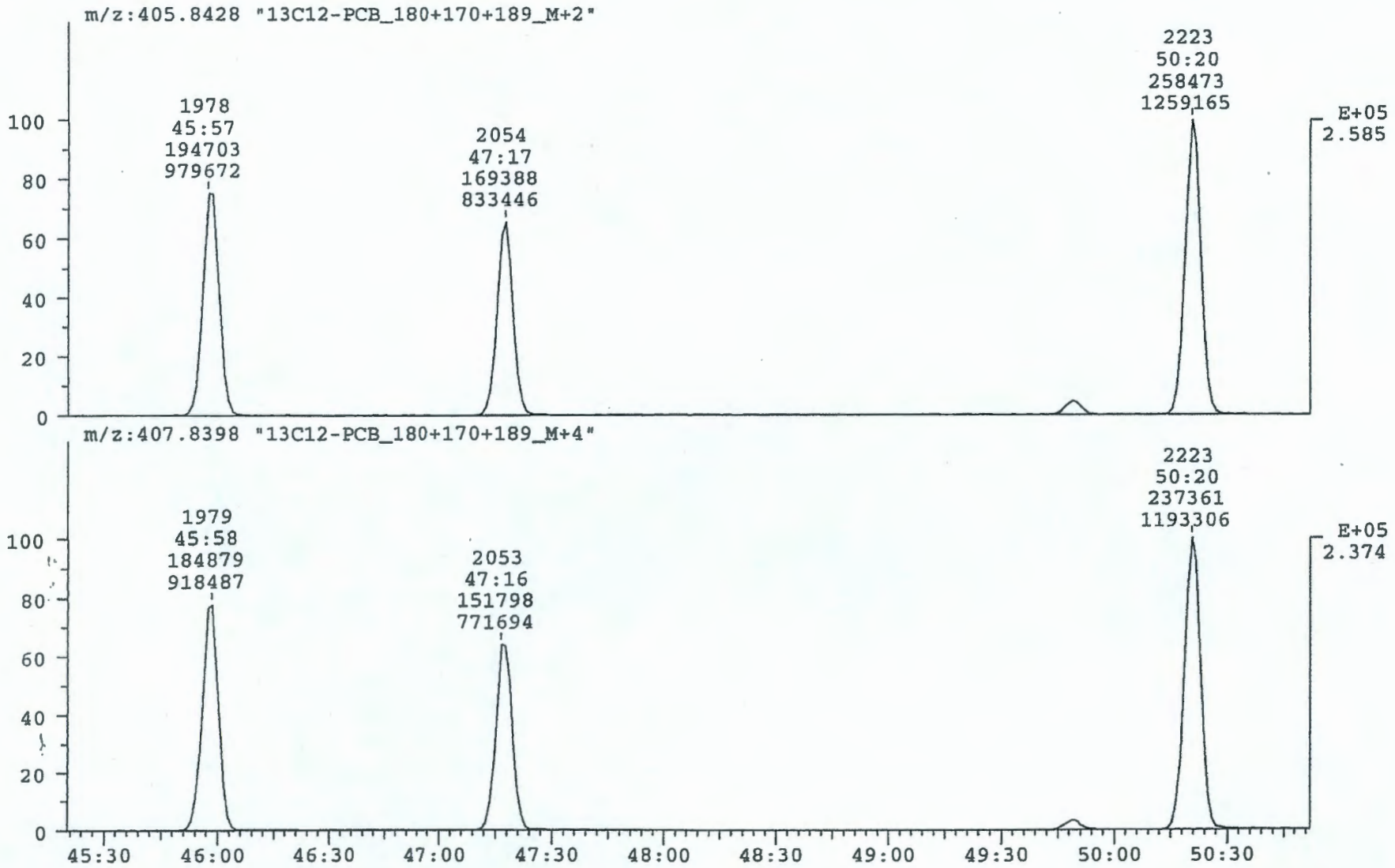
CHRO: a07030711 07-Mar-07 Elapse: 44:06 1873
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 17:03:44 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1495 > 2246 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



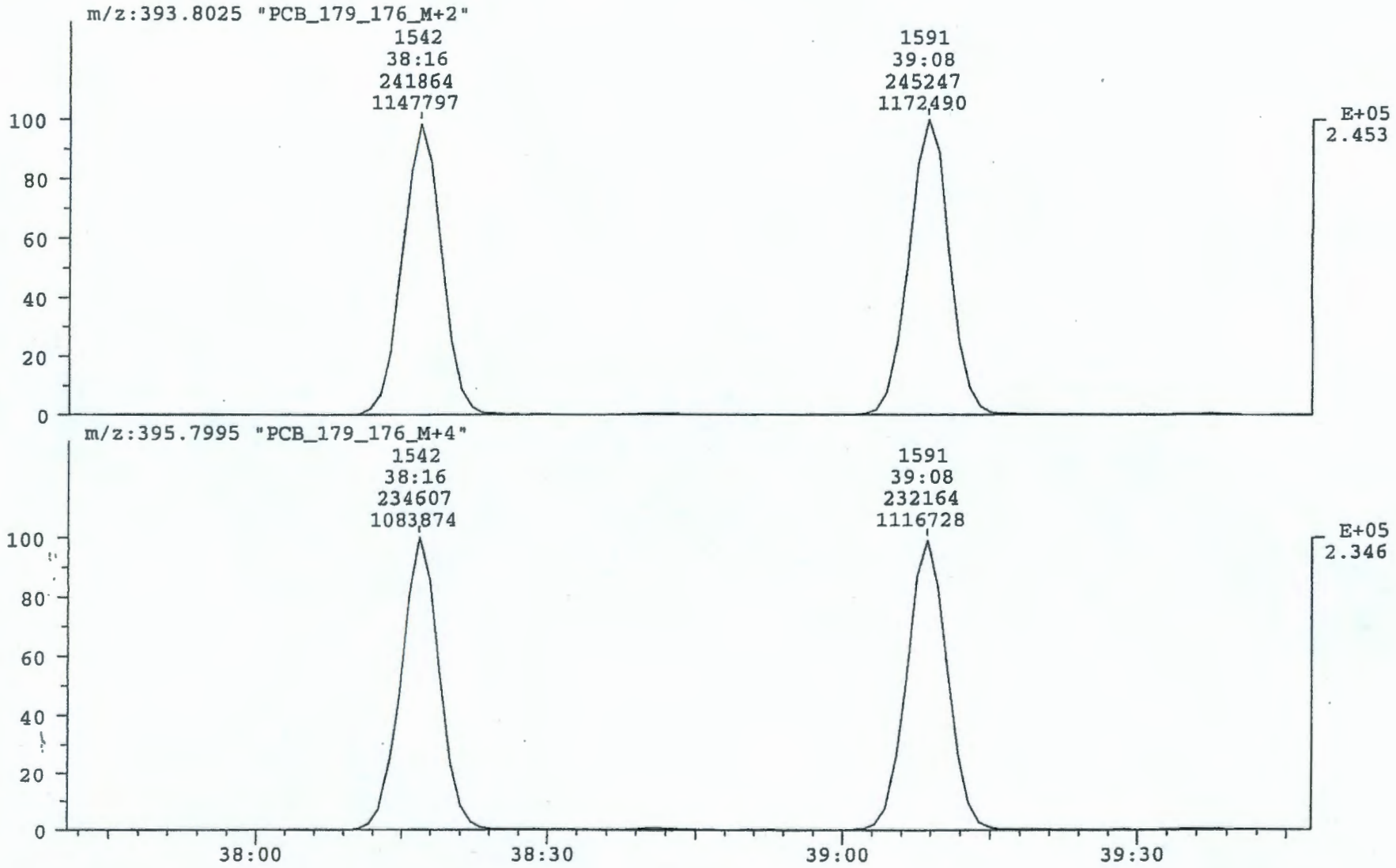
```
CHRO:  a07030711                                07-Mar-07   Elapse:  39:21      1603
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   3
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
```



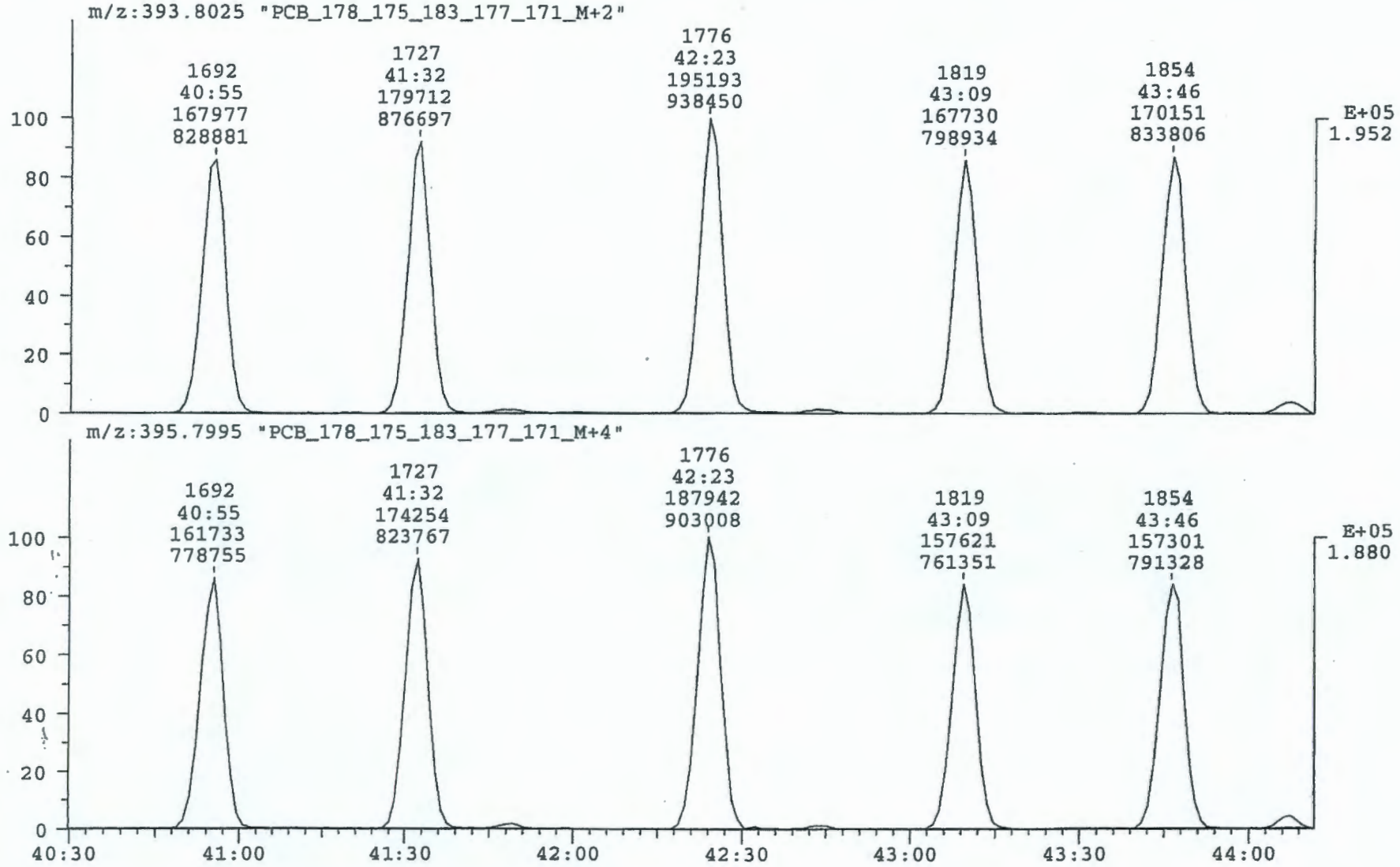
```
CHRO:  a07030711                                07-Mar-07   Elapse:  48:09      2103
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
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
```



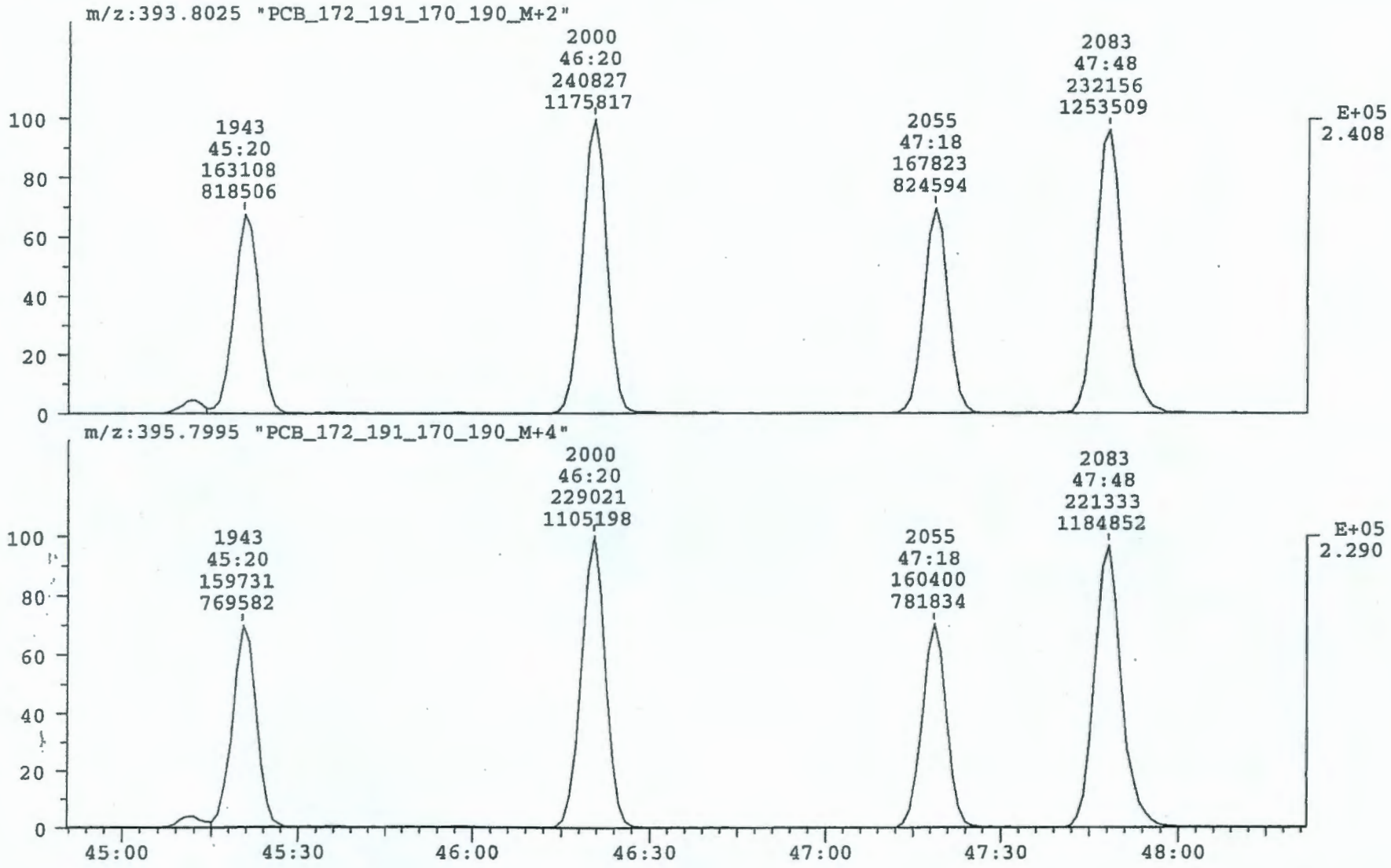
```
CHRO:  a07030711                                07-Mar-07   Elapse:  38:44      1568
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1508 > 1628           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



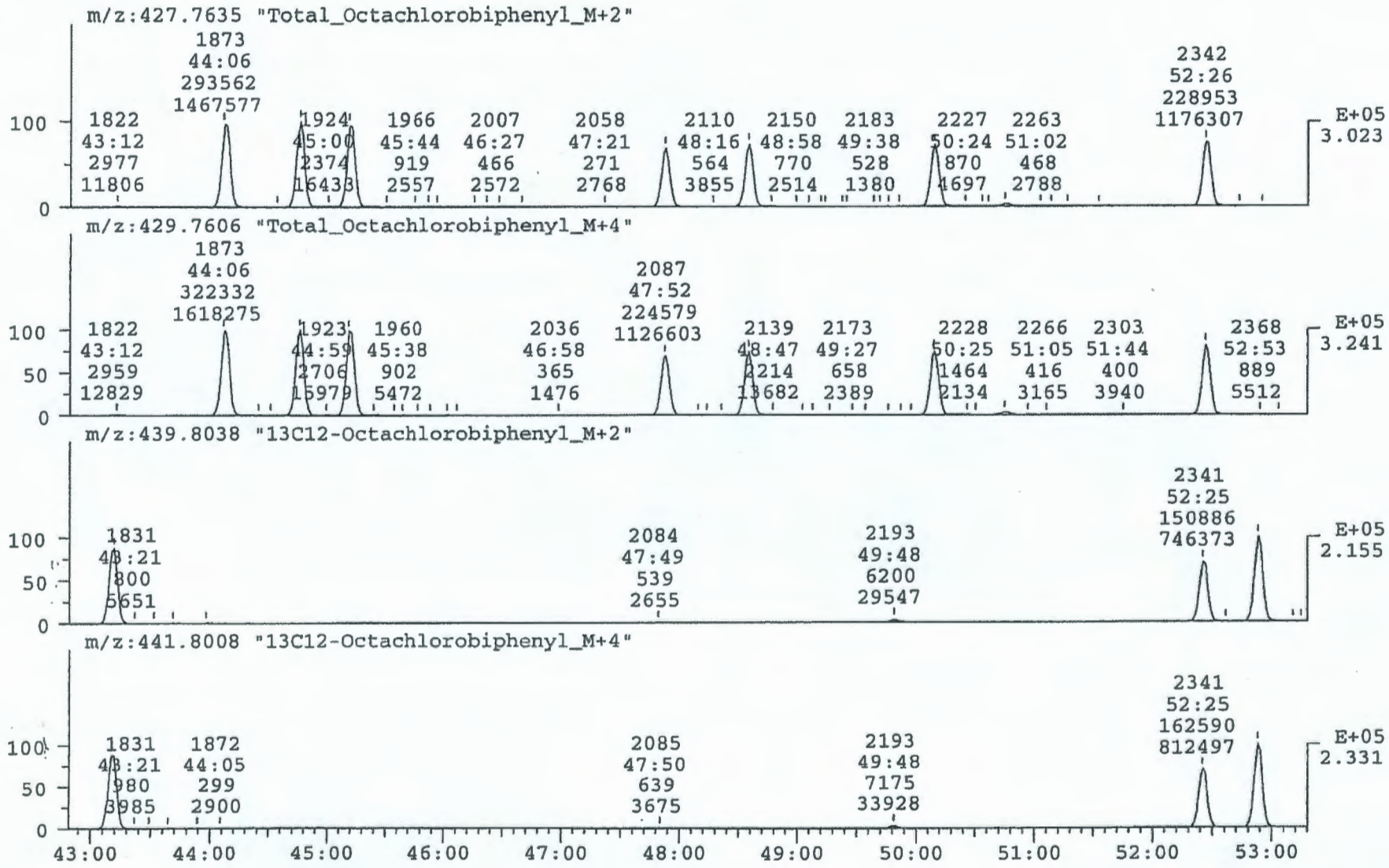
CHRO: a07030711 07-Mar-07 Elapse: 42:20 1773
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 17:03:44 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1668 > 1878 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



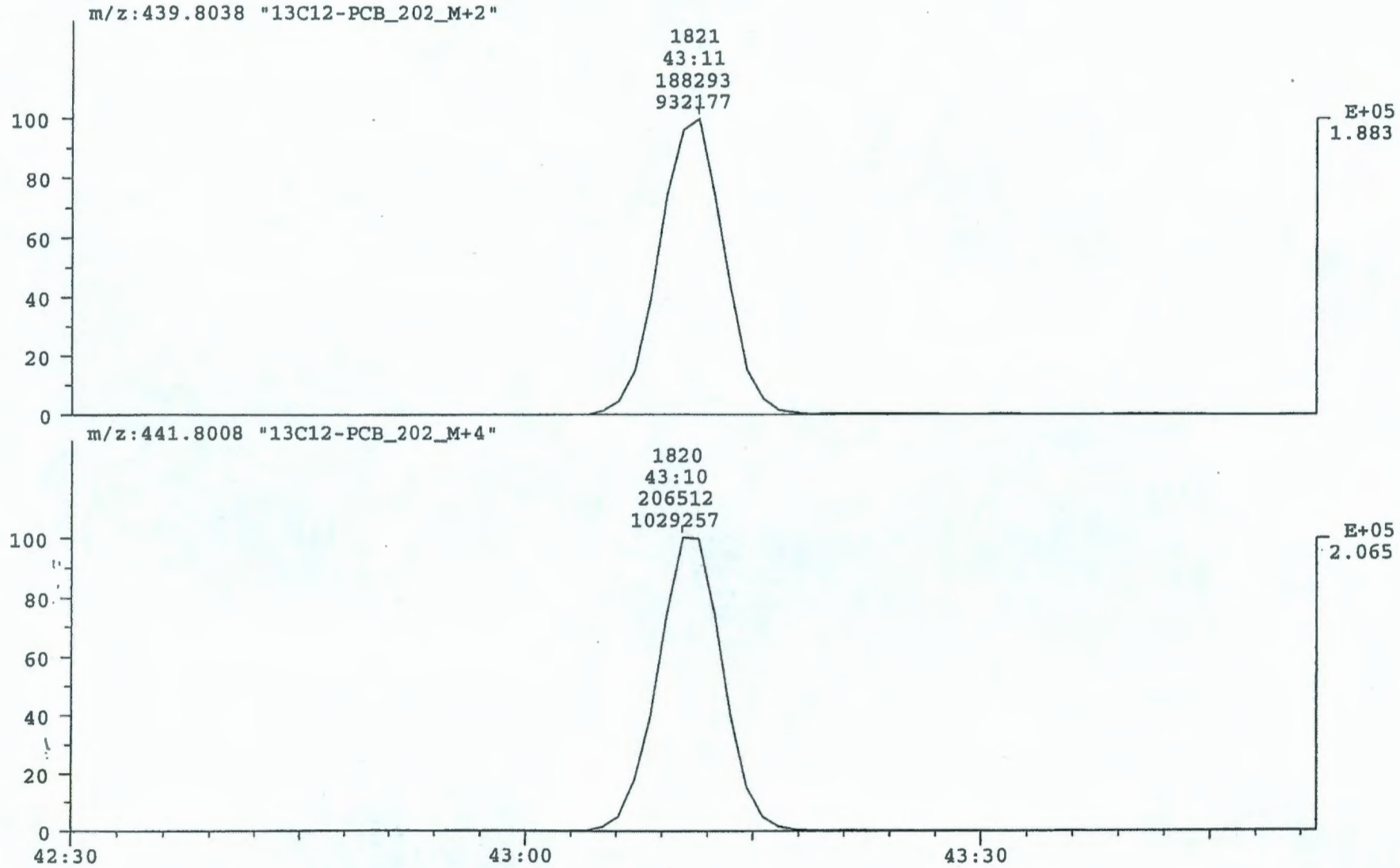
```
CHRO:  a07030711                                07-Mar-07  Elapse:  46:36      2015
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1915 > 2115         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



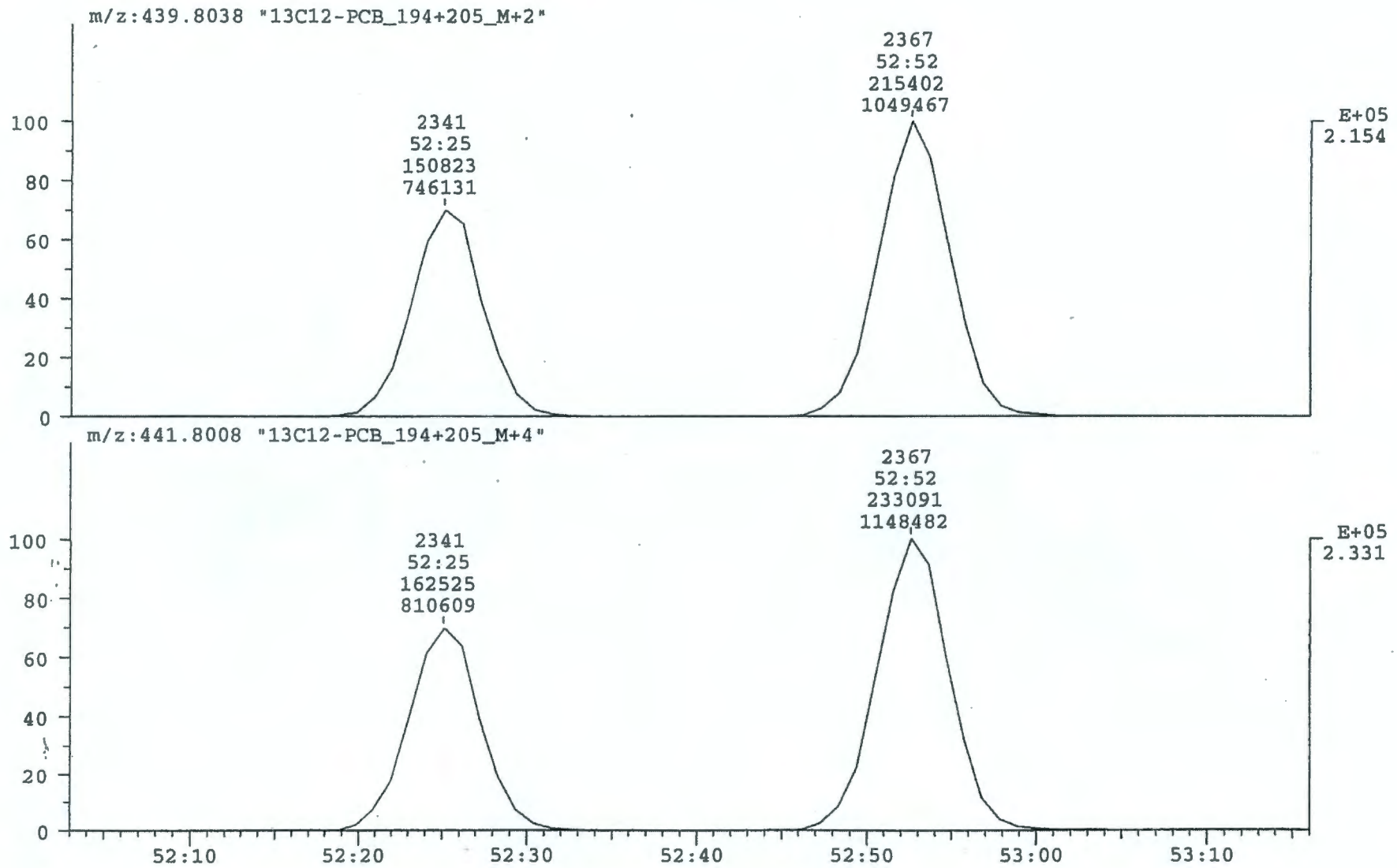
```
CHRO:  a07030711                                07-Mar-07  Elapse:  48:02      2097
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
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
```



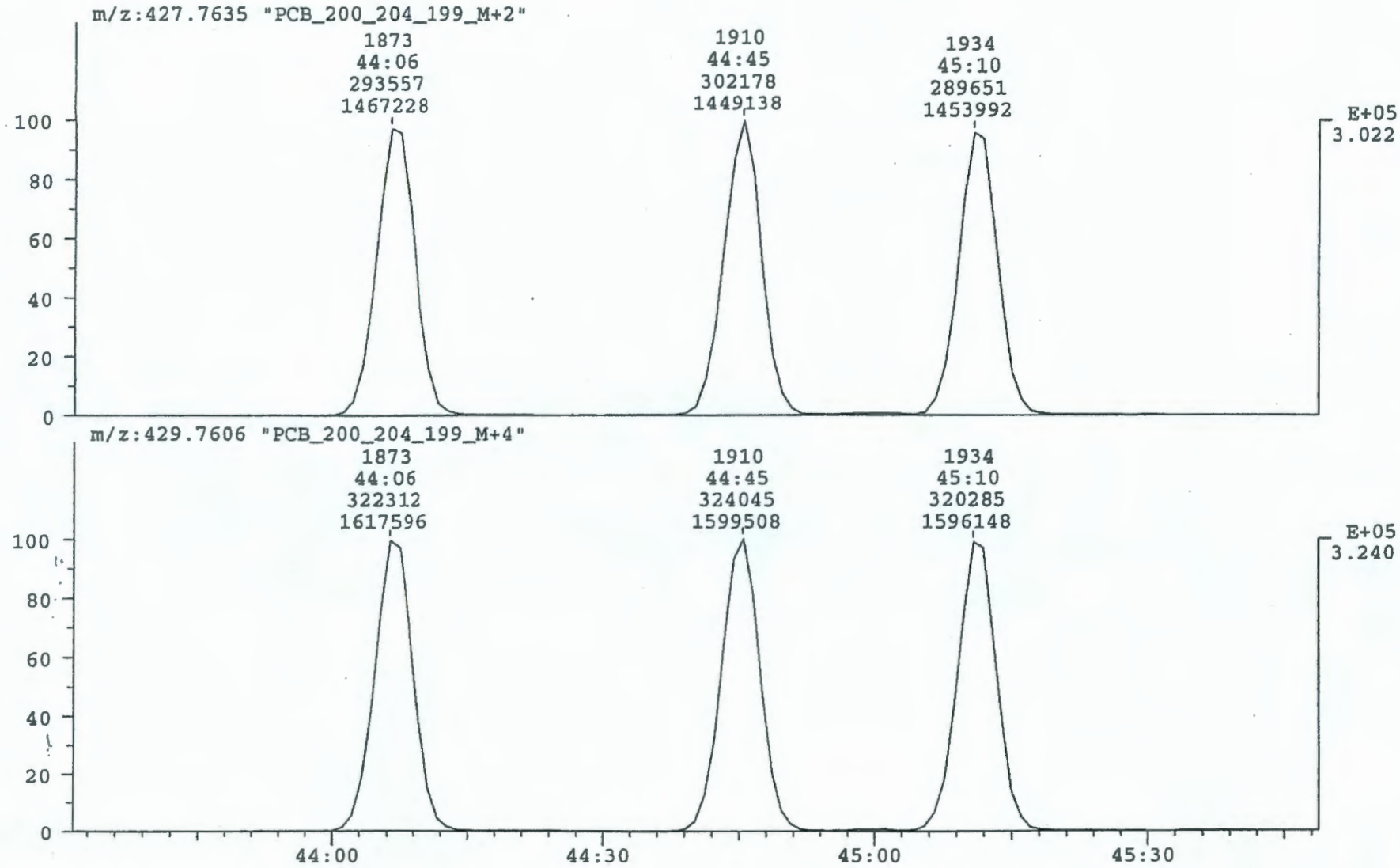
```
CHRO:  a07030711                                07-Mar-07   Elapse:  43:08      1818
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
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
```



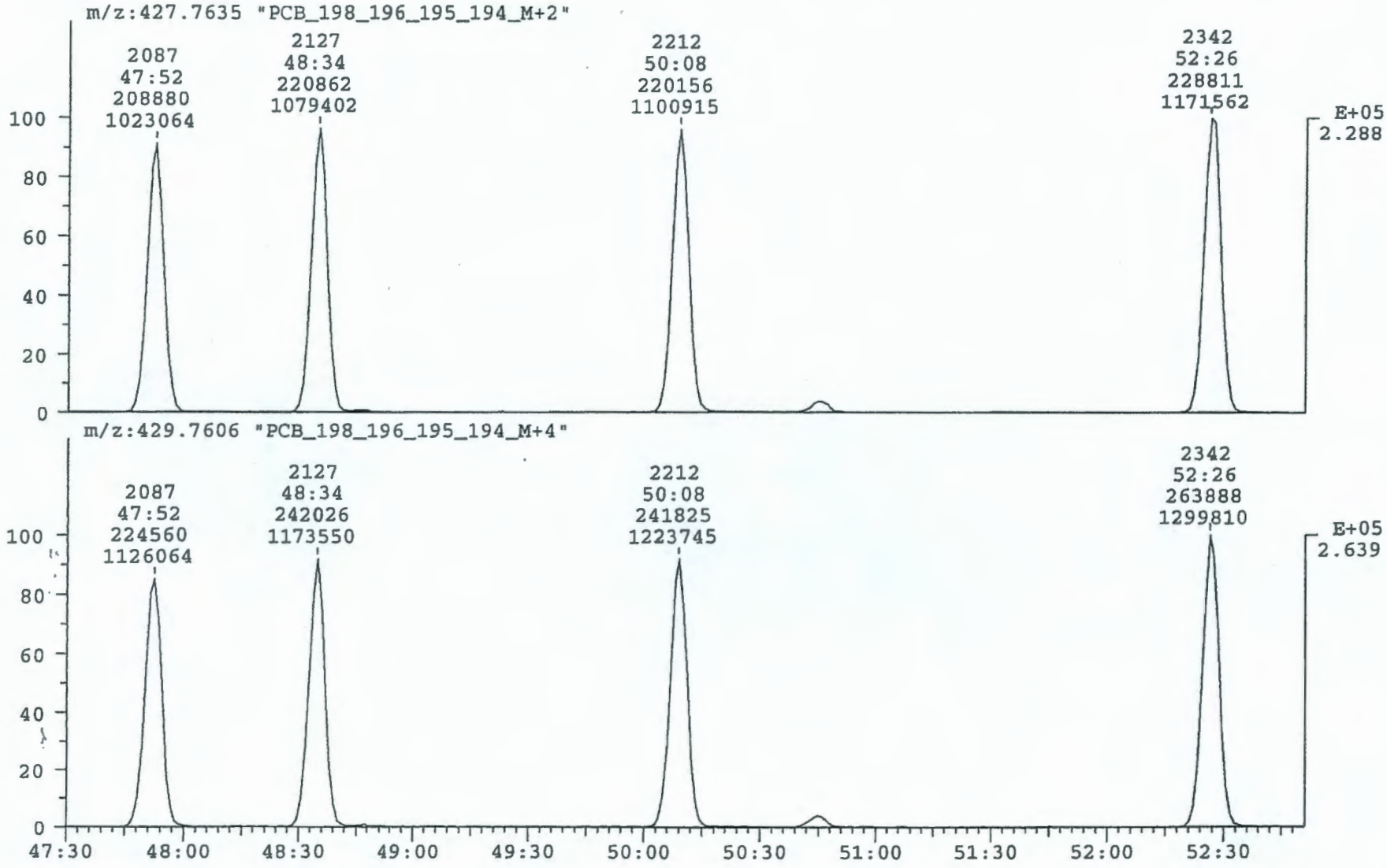
```
CHRO:  a07030711                              07-Mar-07   Elapse:  52:38      2354
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
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
```



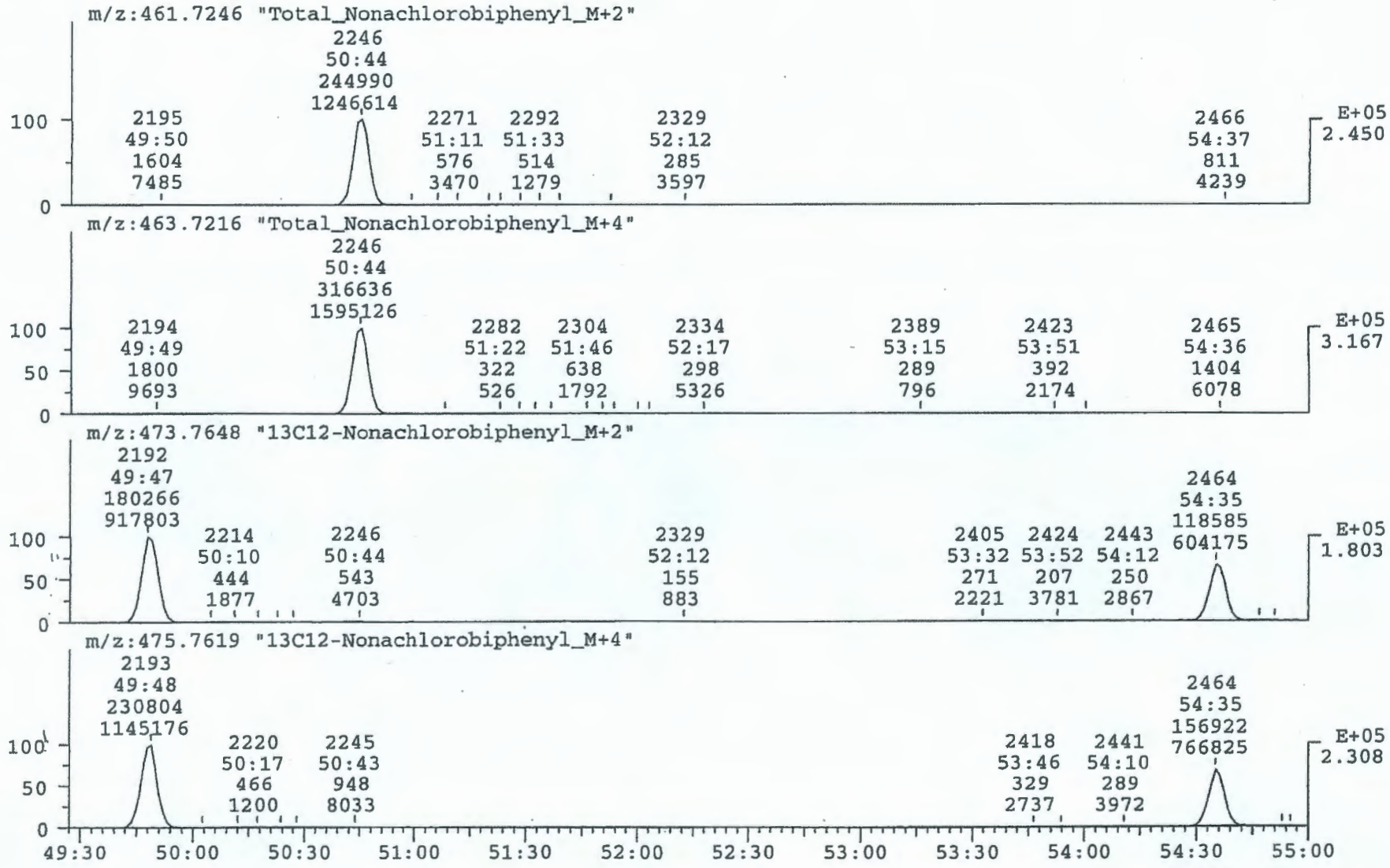
```
CHRO:  a07030711                                07-Mar-07   Elapse:  44:40      1905
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1840 > 1970           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



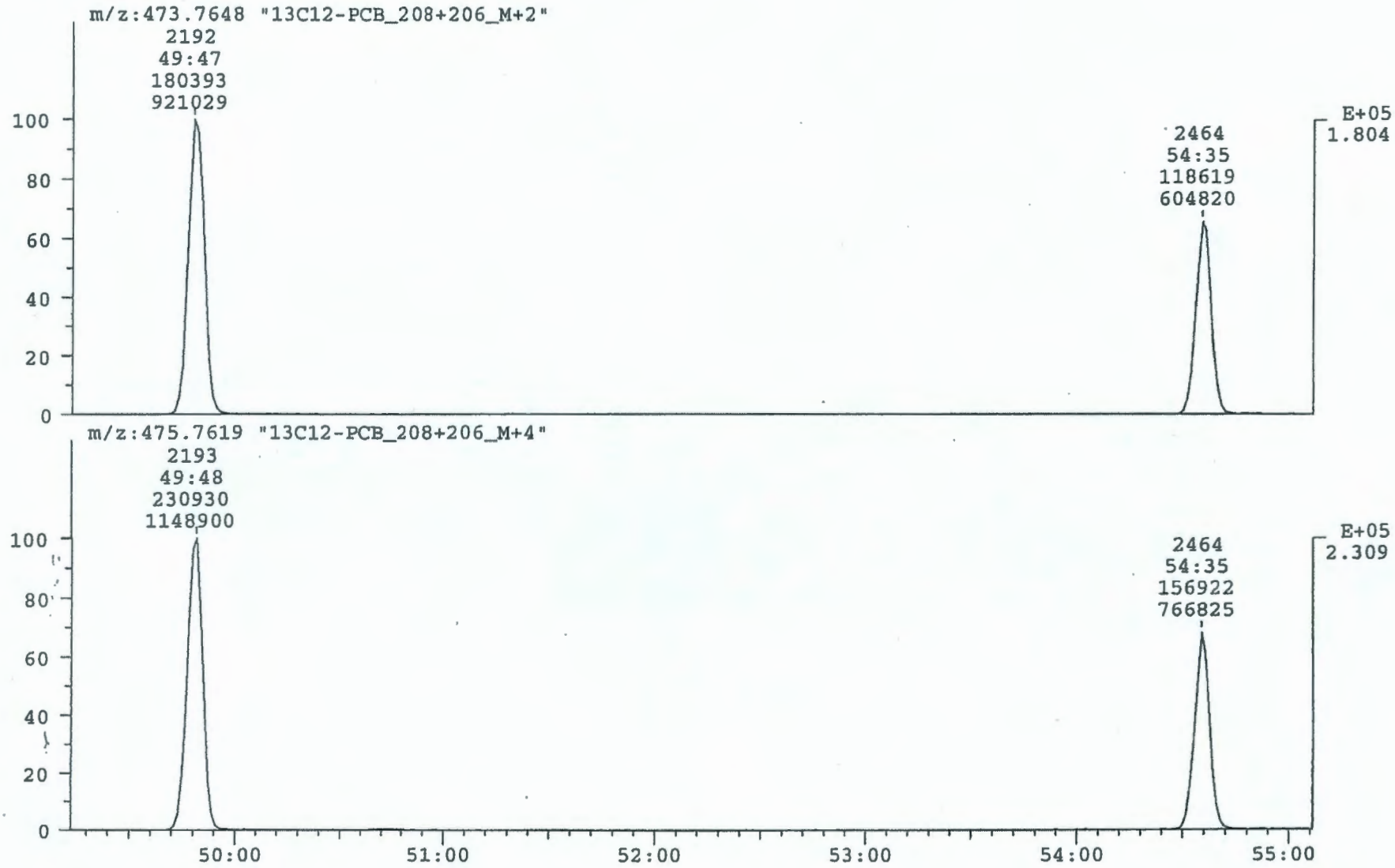
```
CHRO:  a07030711                                07-Mar-07   Elapse:  50:09      2213
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   2066 > 2366           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



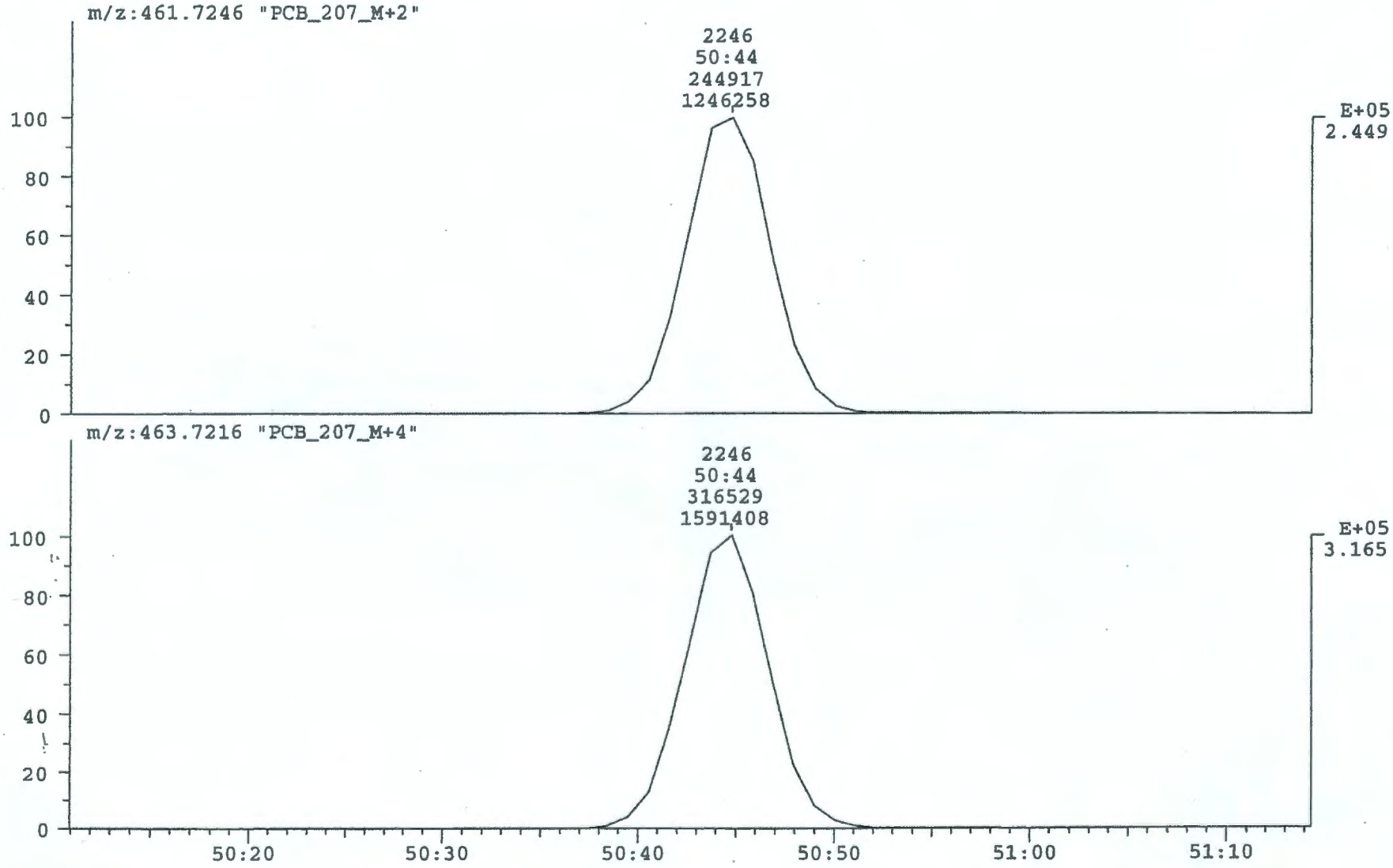
```
CHRO:  a07030711                                07-Mar-07   Elapse:  52:13      2330
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
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
```



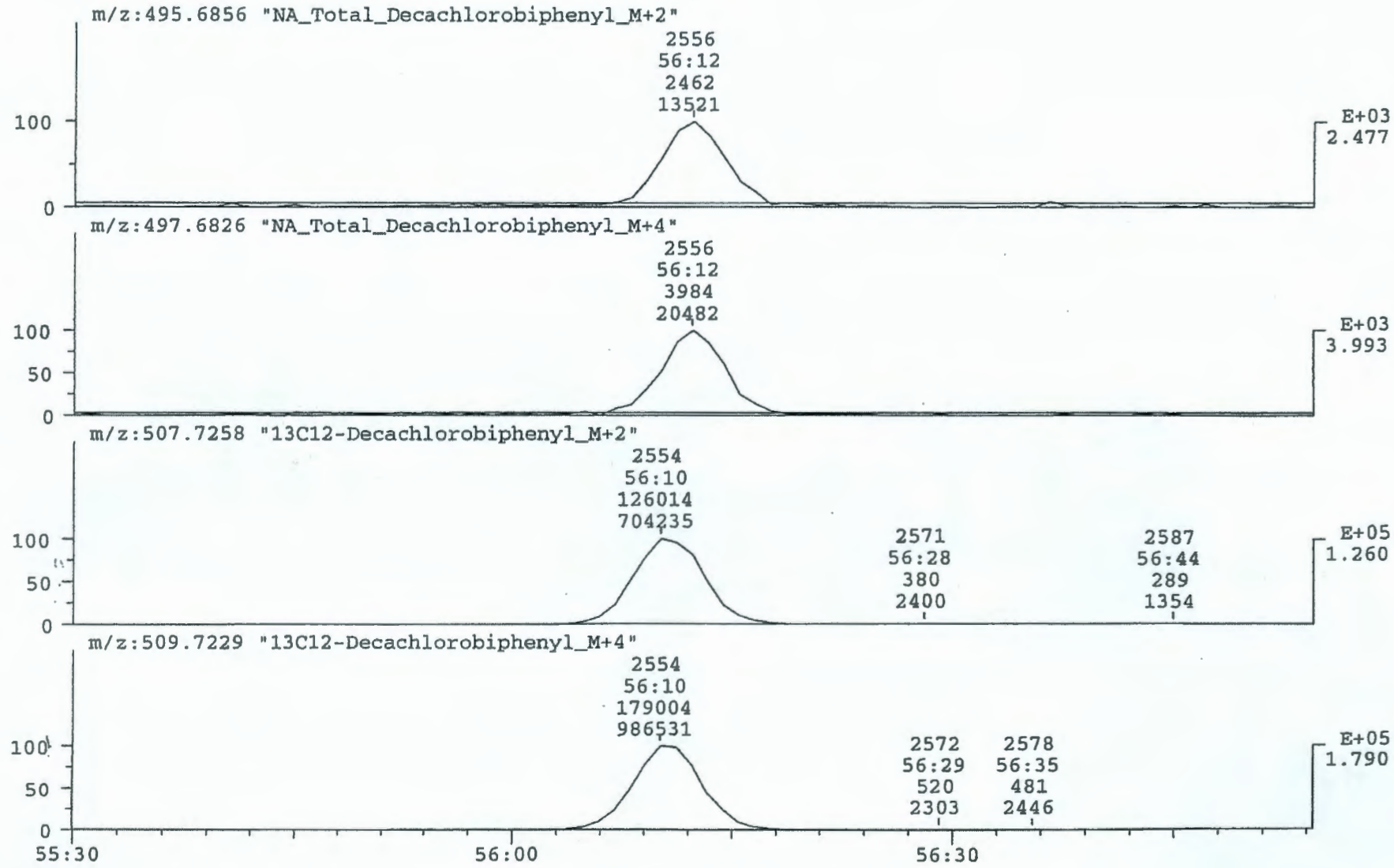
```
CHRO:  a07030711                                07-Mar-07   Elapse:  52:12      2329
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
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:  a07030711                                07-Mar-07   Elapse:  50:42      2244
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run1
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   2214 > 2274            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



```
CHRO:  a07030711                                07-Mar-07  Elapse:  56:12      2556
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  17:03:44   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   2516 > 2596         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
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: a07030711
Study: 1668 RT Mix1/Run1
Sample: WO=2990:75Mix1 Meth=IE3 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: STL Knoxville
Comments: Inst=m1d/137819-2 Batch=20070307s1 Ccal=20050801i
Injected volume: 2.00
Sample from Vial 3
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 1 of list 070307
ICL procedure: sleep7x
MID procedure: epa1668n

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 | 22:01 min | 14:03 min | 36:04 min | 1.00 sec |
| # 3 | 36:05 min | 13:10 min | 49:15 min | 1.00 sec |
| # 4 | 49:16 min | 7:44 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 : epa1668n

| | | | |
|---|---|---|---|
| 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 | 1032.2528 |
| BMASS | 180.9888 | 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 | -18.7750 |
| DRAWC | 1.0000 | DRAWS | 0.0050 | ECORR | 0.9999 |
| ECURR | 1.0000 | EDAC | 7969177.0000 | EDACG | 0.9999 |
| EDACR | 23.0000 | EDACZ | 1160.0000 | ELEN | 67.4250 |
| EMULT | 1.5500 | ENS | 180.0000 | ERATIO | 1.0000 |
| ESA | 763.8000 | ESICUR | 10.0011 | ESIPAR | 0.0000 |
| EXS | 144.0000 | FDMA | 18000000.0000 | FLENS | 1.0000 |
| FM | 20.0000 | FMII | 50.0000 | FQUAD | 0.0000 |
| FREQ | 600.9615 | FSLOPE | 54000000.0000 | FVANAL | 261.0000 |
| FVINLET | 246.0000 | FVSRC | 860.0000 | FWIN | 0.7000 |
| GCTC | 49.0000 | GCTI | 270.0000 | GCTL | 280.0000 |
| HACCU | 156.0000 | HCURR | 1.1569 | HVANAL | 1328.0000 |
| HVSRC | 0.0000 | ICAL0 | 0.0011 | ICAL1 | 0.4030 |
| ICAL2 | 0.5865 | IONEN | 4774.1100 | IST | 271.3713 |
| ISTC | 0.0000 | ISTCKP | 5.0000 | ISTCTD | 1.0000 |
| ISTCTN | 2.0000 | ISTCTS | 60.0000 | ISTCTV | 3.0000 |
| ISTS | 270.0000 | LENS | 1800.0000 | LENSS | 21.0000 |
| LKM | 180.9888 | LM | 800.0000 | LMASS | 180.9888 |
| LMII | 500.0000 | MASS | 180.9888 | MDAC | 2352236.4350 |

| | | | | | |
|---|---|---|---|---|---|
| MDACR | 23.0000 | MRANGE | 1032.2528 | MSFM | 2.0000 |
| MSLM | 3790.0000 | NPEAK | 200.0000 | NSAM | 200.0000 |
| NSCAN | 7407.0000 | NSMAX | 8.0000 | NSMIN | 2.0000 |
| OCT | -2.0000 | PSAM | 10.0000 | PUSHER | -10.0000 |
| RDRAW | 0.0000 | RDRAWC | 0.0000 | RECURR | 0.0000 |
| RELEN | 0.0000 | RES | 10314.6723 | RFAMP | 799.9987 |
| RFCUR | 100.0110 | RPUSHER | 0.0000 | RWIN | 2.0000 |
| SACCU | 2.0000 | SCIDLE | 0.0000 | SHIELD | 2918.0000 |
| SHIELDS | 0.0000 | SHIGH | 180.0000 | SKIM | 7.0000 |
| SLOW | 60.0000 | SPRAY | 8.0000 | SS | 3.0000 |
| SW | 0.0500 | TANAL | 420.1500 | TCURR | 0.7031 |
| 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 | 2.1750 | USERVAR | 0.0000 | VAPTEMP | 599.9997 |
| VAPTSET | 400.0000 | VMASS | 180.9888 | XLENS | 2000.0000 |
| XLENSS | -34.8000 | YLENS | 2600.0000 | YLENSS | -24.8000 |

Scantype is electric
Sourcemode is EI POS

Analysis started at: 07-Mar-07 17:03:44.8

Autosampler has injected sample from vial 3
MID Time Window 1: Resolution is 9049
MID Time Window 2: Resolution is 8406
MID Time Window 3: Resolution is 10717
MID Time Window 4: Resolution is 10124
Analysis stopped at: 07-Mar-07 18:00:47.8 (run time 57.03 minutes)
Analysis stopped because MID run finished

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX1 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030712. | Prep Date | | SDG No | |
| Analysis ID | 96239 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 22:12 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | | | | | 188.0393 | 190.0363 | 188.0393 | 190.0363 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 160 | 123 | 64 | 49 | 1.31 * | / | |
| | PCB 2 (BZ) | 14:16 | 00:00 | 0 | 1276981 | 398915 | 445098 | 145226 | 3.20 | ABV/AVV | |
| 200 | | | | | 200.0795 | 202.0766 | 200.0795 | 202.0766 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 178 | 360 | 71 | 144 | 0.49 * | / | |
| | 13C12-PCB 1 | 12:13 | 00:00 | 0 | 2396888 | 758507 | 1035360 | 326832 | 3.16 | AVV/AVV | |
| | 13C12-PCB 3 | 14:26 | 00:00 | 0 | 2401828 | 741466 | 843223 | 257759 | 3.24 | ABV/AVV | |
| 222 | | | | | 222.0003 | 223.9974 | 222.0003 | 223.9974 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 238 | 543 | 95 | 217 | 0.44 * | / | |
| | PCB 10 (BZ) | 14:54 | 00:00 | 0 | 855242 | 548252 | 286728 | 179744 | 1.56 | AVB/AVV | |
| | PCB 9 (BZ) | 16:41 | 00:00 | 0 | 927969 | 579937 | 280312 | 173586 | 1.60 | ABV/ABV | D |
| | PCB 6 (BZ) | 17:08 | 00:00 | 0 | 888008 | 557167 | 249701 | 157676 | 1.59 | AVV/AVV | |
| | PCB 8 (BZ) | 17:34 | 00:00 | 0 | 938295 | 589994 | 267730 | 169670 | 1.59 | AVV/AVV | |
| | PCB 14 (BZ) | 19:10 | 00:00 | 0 | 910588 | 572309 | 235644 | 146126 | 1.59 | AVV/ABV | D |
| | PCB 11 (BZ) | 20:04 | 00:00 | 0 | 859815 | 549034 | 233807 | 144766 | 1.57 | ABV/ABV | |
| 234 | | | | | 234.0406 | 236.0376 | 234.0406 | 236.0376 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 363 | 223 | 145 | 89 | 1.63 | / | |
| | 13C12-PCB 4 | 14:43 | 00:00 | 0 | 1049156 | 637803 | 358322 | 214742 | 1.64 | AVV/ABV | |
| | 13C12-PCB 9 | 16:40 | 00:00 | 0 | 1721097 | 1065370 | 517167 | 320796 | 1.62 | ABV/ABV | |
| | 13C12-PCB 8 | 17:33 | 00:00 | 0 | 1904562 | 1183054 | 554072 | 339399 | 1.61 | AVV/AVV | |
| | 13C12-PCB 15 | 20:42 | 00:00 | 0 | 1758723 | 1087633 | 463252 | 281145 | 1.62 | AVV/AVV | |
| 256 | | | | | 255.9613 | 257.9584 | 255.9613 | 257.9584 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 183 | 170 | 73 | 68 | 1.07 | / | |
| | PCB 30 (BZ) | 19:39 | 00:00 | 0 | 568027 | 535458 | 146406 | 142911 | 1.06 | ABV/ABV | D |
| | PCB 27 (BZ) | 20:25 | 00:00 | 0 | 553518 | 528463 | 142571 | 141872 | 1.05 | ABV/AVV | |
| | PCB 32 (BZ) | 21:11 | 00:00 | 0 | 601947 | 567483 | 154048 | 142130 | 1.06 | AVV/AVV | |
| | PCB 34 (BZ) | 22:25 | 00:00 | 0 | 792956 | 785415 | 191654 | 190016 | 1.01 | ABV/ABV | |
| | PCB 26 (BZ) | 22:53 | 00:00 | 0 | 813931 | 785342 | 196860 | 196440 | 1.04 | AVV/AVV | M |
| | PCB 31 (BZ) | 23:26 | 00:00 | 0 | 858244 | 825656 | 205089 | 198694 | 1.04 | AVV/AVV | D |
| | PCB 33 (BZ) | 24:01 | 00:00 | 0 | 873792 | 855745 | 190379 | 183428 | 1.02 | AVV/AVV | |
| | PCB 36 (BZ) | 25:55 | 00:00 | 0 | 825840 | 787587 | 186745 | 182060 | 1.05 | AVV/ABV | D |
| | PCB 38 (BZ) | 26:52 | 00:00 | 0 | 804363 | 768317 | 176699 | 168773 | 1.05 | ABV/ABV | D |
| | PCB 35 (BZ) | 27:24 | 00:00 | 0 | 779589 | 759484 | 174838 | 165476 | 1.03 | AVV/AVV | |
| 268 | | | | | 268.0016 | 269.9986 | 268.0016 | 269.9986 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 580 | 298 | 232 | 119 | 1.95 * | / | |
| | 13C12-PCB 19 | 17:54 | 00:00 | 0 | 617225 | 582166 | 176389 | 166565 | 1.06 | AVV/AVV | |
| | 13C12-PCB 32 | 21:10 | 00:00 | 0 | 1113958 | 1033365 | 275695 | 266845 | 1.08 | AVV/ABV | |
| | 13C12-PCB 31 | 23:25 | 00:00 | 0 | 1636515 | 1581152 | 398444 | 388484 | 1.04 | ABV/ABV | |
| | 13C12-PCB 28 | 23:42 | 00:00 | 0 | 1550635 | 1502199 | 361723 | 354101 | 1.03 | AVV/AVV | |
| | 13C12-PCB 37 | 27:48 | 00:00 | 0 | 1487203 | 1401178 | 322916 | 302497 | 1.06 | ABV/ABV | |
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 228 | 185 | 91 | 74 | 1.23 * | / | |
| | PCB 50 (BZ) | 23:10 | 00:00 | 0 | 815050 | 1030091 | 200420 | 248257 | 0.79 | ABV/ABV | |
| | PCB 45 (BZ) | 23:54 | 00:00 | 0 | 721810 | 929849 | 175642 | 225770 | 0.78 | ABB/AVV | |

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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX1 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030712. | Prep Date | | SDG No | |
| Analysis ID | 96239 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 22:12 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | PCB 52 (BZ) | 25:35 | 00:00 | 0 | 874937 | 1109942 | 205300 | 259705 | 0.79 | ABV/ABV | D |
| | PCB 49 (BZ) | 26:03 | 00:00 | 0 | 882621 | 1108815 | 205128 | 256673 | 0.80 | AVV/AVV | |
| | PCB 75 (BZ) | 26:53 | 00:00 | 0 | 1228678 | 1551543 | 277965 | 353135 | 0.79 | AVV/AVV | M |
| | PCB 41 (BZ) | 27:32 | 00:00 | 0 | 710788 | 897779 | 157706 | 205693 | 0.79 | AVV/AVV | |
| | PCB 72 (BZ) | 28:37 | 00:00 | 0 | 1196808 | 1519177 | 278577 | 345137 | 0.79 | ABV/ABV | D |
| | PCB 57 (BZ) | 29:20 | 00:00 | 0 | 1133260 | 1464726 | 257394 | 328540 | 0.77 | ABV/AVV | D |
| | PCB 63 (BZ) | 30:00 | 00:00 | 0 | 1184147 | 1494778 | 260725 | 325390 | 0.79 | ABV/AVV | D |
| | PCB 66 (BZ) | 30:42 | 00:00 | 0 | 1162666 | 1484705 | 260662 | 331511 | 0.78 | ABV/ABV | D |
| | PCB 79 (BZ) | 33:30 | 00:00 | 0 | 1237997 | 1578236 | 261630 | 340186 | 0.78 | AVV/AVV | D |
| | PCB 78 (BZ) | 34:05 | 00:00 | 0 | 1146462 | 1482316 | 252559 | 315353 | 0.77 | AVV/AVV | D |
| | PCB 81 (BZ) | 34:33 | 00:00 | 0 | 1183597 | 1493492 | 243201 | 317602 | 0.79 | AVV/AVV | |
| 302 | | | | | 301.9626 | 303.9597 | 301.9626 | 303.9597 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 143 | 138 | 57 | 55 | 1.04 * | / | |
| | 13C12-PCB 54 | 21:03 | 00:00 | 0 | 540592 | 669033 | 140055 | 173971 | 0.81 | ABV/ABV | |
| | 13C12-PCB 52 | 25:34 | 00:00 | 0 | 796555 | 998147 | 190109 | 238942 | 0.80 | ABV/ABV | |
| | 13C12-PCB 79 | 33:29 | 00:00 | 0 | 1237820 | 1551465 | 268145 | 330235 | 0.80 | ABV/ABV | D |
| | 13C12-PCB 81 | 34:32 | 00:00 | 0 | 1031251 | 1294239 | 217393 | 271450 | 0.80 | ABV/ABV | D |
| | 13C12-PCB 77 | 35:07 | 00:00 | 0 | 1065897 | 1342311 | 219625 | 272736 | 0.79 | ABB/ABB | D |
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 188 | 160 | 75 | 64 | 1.17 * | / | |
| | PCB 96 (BZ) | 26:59 | 00:00 | 0 | 1250585 | 791905 | 287068 | 183319 | 1.58 | ABV/ABV | D |
| | PCB 103 (BZ) | 28:47 | 00:00 | 0 | 1036370 | 643848 | 239205 | 143738 | 1.61 | ABV/ABV | D |
| | PCB 95 (BZ) | 29:33 | 00:00 | 0 | 942464 | 599691 | 212931 | 139196 | 1.57 | ABV/AVV | D |
| | PCB 88 (BZ) | 30:16 | 00:00 | 0 | 858371 | 537427 | 184851 | 114180 | 1.60 | ABV/ABV | |
| | PCB 89 (BZ) | 31:08 | 00:00 | 0 | 836336 | 535400 | 177106 | 114683 | 1.56 | ABV/AVV | D |
| | PCB 92 (BZ) | 31:50 | 00:00 | 0 | 902235 | 575866 | 191158 | 123353 | 1.57 | ABV/ABV | D |
| | PCB 113 (BZ) | 32:22 | 00:00 | 0 | 1230072 | 772464 | 258629 | 167429 | 1.59 | ABV/AVV | D |
| | PCB 83 (BZ) | 32:55 | 00:00 | 0 | 778395 | 485533 | 161327 | 98742 | 1.60 | ABV/AVV | D |
| | PCB 119 (BZ) | 33:27 | 00:00 | 0 | 1347492 | 856830 | 295429 | 187811 | 1.57 | ABV/ABV | DM |
| | PCB 87 (BZ) | 33:40 | 00:00 | 0 | 888515 | 569373 | 190587 | 118629 | 1.56 | AVB/AVV | DM |
| | PCB 85 (BZ) | 34:16 | 00:00 | 0 | 970002 | 591799 | 207267 | 127907 | 1.64 | ABV/AVV | D |
| | PCB 82 (BZ) | 34:48 | 00:00 | 0 | 755820 | 468119 | 159463 | 102739 | 1.61 | AVV/AVV | D |
| | PCB 120 (BZ) | 35:30 | 00:00 | 0 | 1385471 | 872355 | 291210 | 185649 | 1.59 | AVB/AVB | D |
| | PCB 124 (BZ) | 36:42 | 00:00 | 0 | 1579630 | 1012077 | 319493 | 205141 | 1.56 | ABV/ABV | D |
| | PCB 106 (BZ) | 37:10 | 00:00 | 0 | 1536803 | 982452 | 309733 | 201711 | 1.56 | AVV/AVV | |
| | PCB 122 (BZ) | 37:46 | 00:00 | 0 | 1400041 | 894427 | 294171 | 185751 | 1.57 | AVV/ABV | D |
| | PCB 105 (BZ) | 38:38 | 00:00 | 0 | 1525401 | 983614 | 306973 | 195229 | 1.55 | ABV/ABV | |
| | PCB 127 (BZ) | 40:01 | 00:00 | 0 | 1564534 | 1007510 | 323782 | 204575 | 1.55 | AVB/AVV | |
| 338 | | | | | 337.9207 | 339.9178 | 337.9207 | 339.9178 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 160 | 148 | 64 | 59 | 1.08 * | / | |
| | 13C12-PCB 104 | 26:30 | 00:00 | 0 | 1200177 | 751284 | 274435 | 172880 | 1.60 | ABV/ABV | D |
| | 13C12-PCB 95 | 29:32 | 00:00 | 0 | 984594 | 609377 | 212701 | 133426 | 1.62 | ABV/ABV | D |
| | 13C12-PCB 101 | 32:23 | 00:00 | 0 | 935853 | 589122 | 207709 | 127602 | 1.59 | AVV/ABV | |
| | 13C12-PCB 111 | 35:00 | 00:00 | 0 | 1205278 | 760931 | 253715 | 159638 | 1.58 | ABV/ABV | |

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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX1 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030712. | Prep Date | | SDG No | |
| Analysis ID | 96239 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 22:12 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 338 | | | | | 337.9207 | 339.9178 | 337.9207 | 339.9178 | 1.32-1.78 | | |
| | 13C12-PCB 123 | 37:02 | 00:00 | 0 | 1446901 | 915285 | 310324 | 191744 | 1.58 | ABV/ABV | D |
| | 13C12-PCB 118 | 37:21 | 00:00 | 0 | 1530449 | 948609 | 312668 | 192809 | 1.61 | AVV/AVV | D |
| | 13C12-PCB 114 | 37:54 | 00:00 | 0 | 1492154 | 917547 | 309772 | 185535 | 1.63 | AVV/AVV | D |
| | 13C12-PCB 105 | 38:36 | 00:00 | 0 | 1458728 | 907772 | 314556 | 194077 | 1.61 | ABV/ABB | D |
| | 13C12-PCB 127 | 39:59 | 00:00 | 0 | 1582735 | 979440 | 321646 | 200803 | 1.62 | AVV/ABV | |
| | 13C12-PCB 126 | 41:40 | 00:00 | 0 | 1539915 | 966365 | 319849 | 200816 | 1.59 | AVV/ABV | D |
| 360 | | | | | 359.8415 | 361.8385 | 359.8415 | 361.8385 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 298 | 348 | 119 | 139 | 0.86 * | / | |
| | PCB 152 (BZ) | 32:26 | 00:00 | 0 | 991958 | 779211 | 209464 | 171781 | 1.27 | ABV/ABV | D |
| | PCB 136 (BZ) | 33:01 | 00:00 | 0 | 977434 | 775048 | 213118 | 167264 | 1.26 | ABV/ABV | D |
| | PCB 148 (BZ) | 34:39 | 00:00 | 0 | 728484 | 570562 | 157576 | 122635 | 1.28 | ABV/ABV | D |
| | PCB 151 (BZ) | 35:18 | 00:00 | 0 | 737508 | 571961 | 154229 | 116757 | 1.29 | AVV/AVV | D |
| | PCB 144 (BZ) | 35:52 | 00:00 | 0 | 759154 | 596448 | 166872 | 127992 | 1.27 | AVV/AVV | D |
| | PCB 143 (BZ) | 36:34 | 00:00 | 0 | 850999 | 671818 | 181545 | 138990 | 1.27 | AVV/AVV | D |
| | PCB 142 (BZ) | 37:12 | 00:00 | 0 | 787802 | 630946 | 170040 | 138855 | 1.25 | AVV/AVV | D |
| | PCB 133 (BZ) | 37:57 | 00:00 | 0 | 836186 | 666055 | 180707 | 144034 | 1.26 | ABB/ABB | D |
| | PCB 161 (BZ) | 38:42 | 00:00 | 0 | 1246189 | 997414 | 265293 | 208414 | 1.25 | ABV/AVV | D |
| | PCB 153 (BZ) | 39:11 | 00:00 | 0 | 1145701 | 909021 | 232432 | 183513 | 1.26 | AVV/AVV | D |
| | PCB 130 (BZ) | 39:52 | 00:00 | 0 | 797962 | 639113 | 169579 | 131967 | 1.25 | AVV/AVV | D |
| | PCB 129 (BZ) | 40:35 | 00:00 | 0 | 751763 | 593770 | 150376 | 121384 | 1.27 | ABV/AVV | M |
| | PCB 166 (BZ) | 41:42 | 00:00 | 0 | 1236309 | 984259 | 258524 | 199676 | 1.26 | AVB/AVB | |
| | PCB 159 (BZ) | 42:40 | 00:00 | 0 | 1263126 | 1005517 | 260224 | 201524 | 1.26 | ABV/AVV | D |
| | PCB 167 (BZ) | 43:27 | 00:00 | 0 | 1283278 | 1047189 | 267101 | 217883 | 1.23 | AVV/ABV | |
| | PCB 156 (BZ) | 44:37 | 00:00 | 0 | 1372831 | 1091507 | 258090 | 204901 | 1.26 | ABB/AVV | |
| 372 | | | | | 371.8817 | 373.8788 | 371.8817 | 373.8788 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 303 | 125 | 121 | 50 | 2.42 * | / | |
| | 13C12-PCB 155 | 32:04 | 00:00 | 0 | 1001594 | 789721 | 216773 | 172034 | 1.27 | ABV/ABV | D |
| | 13C12-PCB 153 | 39:10 | 00:00 | 0 | 1107578 | 865607 | 233765 | 185361 | 1.28 | ABV/ABV | D |
| | 13C12-PCB 138 | 40:28 | 00:00 | 0 | 998861 | 772267 | 204040 | 157596 | 1.29 | ABV/ABV | |
| | 13C12-PCB 167 | 43:26 | 00:00 | 0 | 1266114 | 1008024 | 268739 | 208385 | 1.26 | AVV/ABV | |
| | 13C12-PCB 156 | 44:36 | 00:00 | 0 | 1091826 | 867802 | 259766 | 202048 | 1.26 | ABV/ABV | D |
| | 13C12-PCB 157 | 44:41 | 00:00 | 0 | 1412857 | 1107095 | 280709 | 222163 | 1.28 | AVB/AVB | M |
| | 13C12-PCB 169 | 47:51 | 00:00 | 0 | 1238040 | 957944 | 246603 | 187981 | 1.29 | AVV/ABV | D |
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 243 | 170 | 97 | 68 | 1.43 * | / | |
| | PCB 179 (BZ) | 38:16 | 00:00 | 0 | 1017080 | 958784 | 207108 | 204410 | 1.06 | ABV/ABV | D |
| | PCB 176 (BZ) | 39:08 | 00:00 | 0 | 1034769 | 979321 | 217804 | 201823 | 1.06 | ABV/ABV | D |
| | PCB 178 (BZ) | 40:53 | 00:00 | 0 | 722351 | 693886 | 150058 | 147033 | 1.04 | ABV/ABV | D |
| | PCB 175 (BZ) | 41:30 | 00:00 | 0 | 752126 | 710757 | 156351 | 145398 | 1.06 | ABV/AVV | D |
| | PCB 183 (BZ) | 42:23 | 00:00 | 0 | 825829 | 784538 | 171339 | 161289 | 1.05 | ABV/ABV | D |
| | PCB 177 (BZ) | 43:09 | 00:00 | 0 | 700175 | 665575 | 137512 | 136426 | 1.05 | ABV/AVV | D |
| | PCB 171 (BZ) | 43:45 | 00:00 | 0 | 745626 | 702336 | 156038 | 145062 | 1.06 | ABB/ABV | D |
| | PCB 172 (BZ) | 45:19 | 00:00 | 0 | 719480 | 688246 | 145316 | 139392 | 1.05 | AVV/AVV | D |
| | PCB 191 (BZ) | 46:19 | 00:00 | 0 | 1035347 | 981473 | 214454 | 200084 | 1.05 | AVV/AVV | D |

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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX1 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030712. | Prep Date | | SDG No | |
| Analysis ID | 96239 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 22:12 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

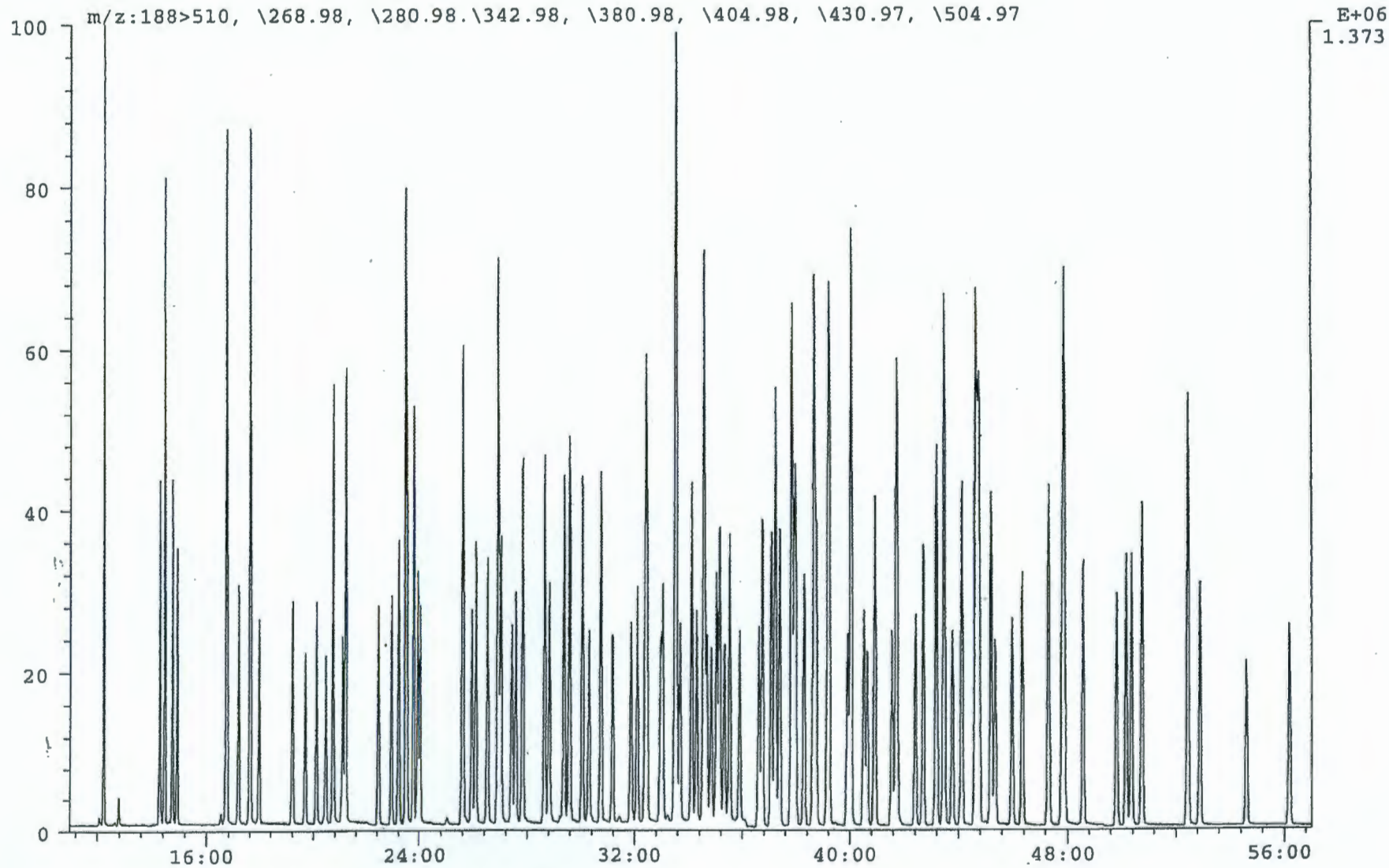
View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | PCB 170 (BZ) | 47:18 | 00:00 | 0 | 717426 | 696821 | 149048 | 143054 | 1.03 | AVV/AVV | D |
| | PCB 190 (BZ) | 47:47 | 00:00 | 0 | 1101155 | 1049876 | 200167 | 191157 | 1.05 | ABV/AVV | D |
| 406 | | | | | 405.8428 | 407.8398 | 405.8428 | 407.8398 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 180 | 123 | 72 | 49 | 1.47 * | / | |
| | 13C12-PCB 188 | 37:47 | 00:00 | 0 | 1081058 | 1006036 | 219572 | 206803 | 1.07 | ABV/ABV | D |
| | 13C12-PCB 178 | 40:52 | 00:00 | 0 | 685053 | 642539 | 146064 | 134942 | 1.07 | ABV/ABV | |
| | 13C12-PCB 180 | 45:57 | 00:00 | 0 | 864143 | 808949 | 170765 | 164289 | 1.07 | ABV/ABV | |
| | 13C12-PCB 170 | 47:16 | 00:00 | 0 | 717287 | 692559 | 146518 | 137093 | 1.04 | AVV/ABV | |
| | 13C12-PCB 189 | 50:20 | 00:00 | 0 | 1158396 | 1098002 | 235936 | 227640 | 1.06 | ABV/ABV | D |
| 428 | | | | | 427.7635 | 429.7606 | 427.7635 | 429.7606 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 263 | 198 | 105 | 79 | 1.33 * | / | |
| | PCB 200 (BZ)/201 (IUPAC | 44:06 | 00:00 | 0 | 1262771 | 1391502 | 257980 | 285678 | 0.91 | ABV/ABV | |
| | PCB 204 (BZ) | 44:44 | 00:00 | 0 | 1278189 | 1392323 | 267067 | 290411 | 0.92 | AVV/AVV | |
| | PCB 199 (BZ)/200 (IUPAC | 45:11 | 00:00 | 0 | 1257389 | 1386181 | 248849 | 278430 | 0.91 | AVV/AVV | D |
| | PCB 198 (BZ) | 47:50 | 00:00 | 0 | 903431 | 990704 | 180538 | 197372 | 0.91 | AVV/ABV | D |
| | PCB 196 (BZ) | 48:34 | 00:00 | 0 | 933147 | 1029036 | 189016 | 207098 | 0.91 | AVV/AVV | D |
| | PCB 195 (BZ) | 50:08 | 00:00 | 0 | 984367 | 1106042 | 199800 | 225055 | 0.89 | AVV/AVV | |
| | PCB 194 (BZ) | 52:25 | 00:00 | 0 | 1068858 | 1184472 | 223276 | 242618 | 0.90 | ABV/ABV | |
| 440 | | | | | 439.8038 | 441.8008 | 439.8038 | 441.8008 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 100 | 123 | 40 | 49 | 0.82 | / | |
| | 13C12-PCB 202 | 43:10 | 00:00 | 0 | 823273 | 904443 | 170349 | 190385 | 0.91 | ABV/ABV | D |
| | 13C12-PCB 194 | 52:24 | 00:00 | 0 | 681917 | 736494 | 139294 | 146077 | 0.93 | ABV/ABV | |
| | 13C12-PCB 205 | 52:52 | 00:00 | 0 | 942261 | 1057413 | 186316 | 214408 | 0.89 | AVV/AVV | |
| 462 | | | | | 461.7246 | 463.7216 | 461.7246 | 463.7216 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 163 | 195 | 65 | 78 | 0.83 | / | |
| | PCB 207 (BZ) | 50:43 | 00:00 | 0 | 1084550 | 1401727 | 219322 | 280298 | 0.77 | ABV/ABV | |
| 474 | | | | | 473.7648 | 475.7619 | 473.7648 | 475.7619 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 145 | 148 | 58 | 59 | 0.98 * | / | |
| | 13C12-PCB 208 | 49:47 | 00:00 | 0 | 805124 | 1014271 | 161110 | 199069 | 0.79 | AVV/AVV | |
| | 13C12-PCB 206 | 54:34 | 00:00 | 0 | 545098 | 688133 | 110572 | 131433 | 0.79 | ABV/ABV | |
| 496 | | | | | 495.6856 | 497.6826 | 495.6856 | 497.6826 | 0.59-0.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 100 | 113 | 40 | 45 | 0.89 * | / | |
| 508 | | | | | 507.7258 | 509.7229 | 507.7258 | 509.7229 | 0.59-0.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 135 | 130 | 54 | 52 | 1.04 * | / | |
| | 13C12-PCB 209 | 56:09 | 00:00 | 0 | 636658 | 894545 | 117575 | 166882 | 0.71 | ABV/ABV | |
| | Unidentified | 56:24 | 00:00 | 0 | 2035 | 2965 | 466 | 638 | 0.69 | AVV/AVV | |
| | Unidentified | 56:33 | 00:00 | 0 | 2017 | 2670 | 337 | 532 | 0.76 | AVV/AVV | T |
| | Unidentified | 56:39 | 00:00 | 0 | 2367 | 687 | 247 | 572 | 3.45 * | AVB/AVB | RT |

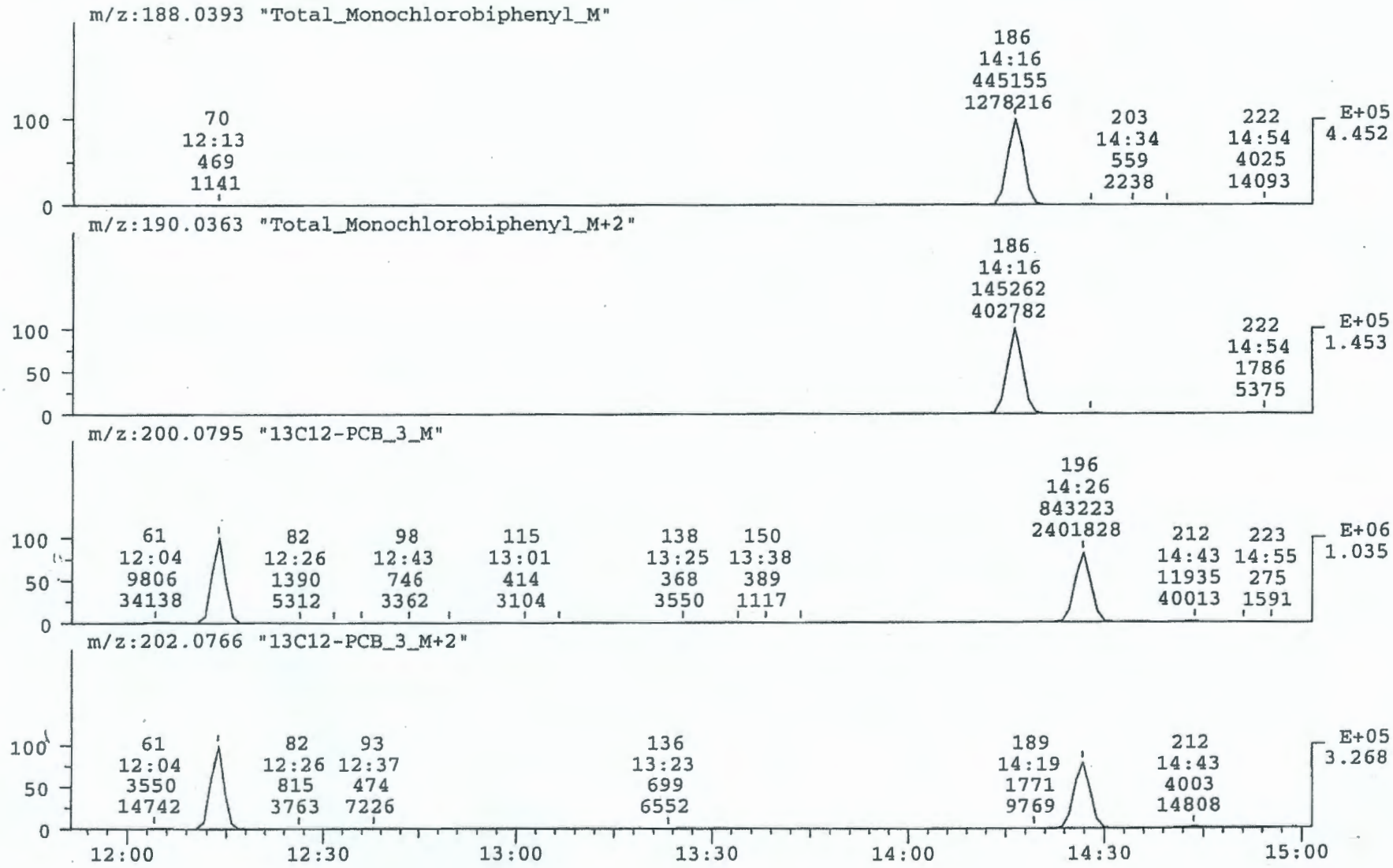
Notes:
R = ratio is outside limits  M = data changed manually  H = Peak not reported  S = peak less than 2.5x S/N
T = peaks outside comax limit  D = peak outside RT window  W = peak outside first/last  X = peak has dup match

Int DCG 3-1707
Calc DCG 3-1707
QC BMS 3/19/07

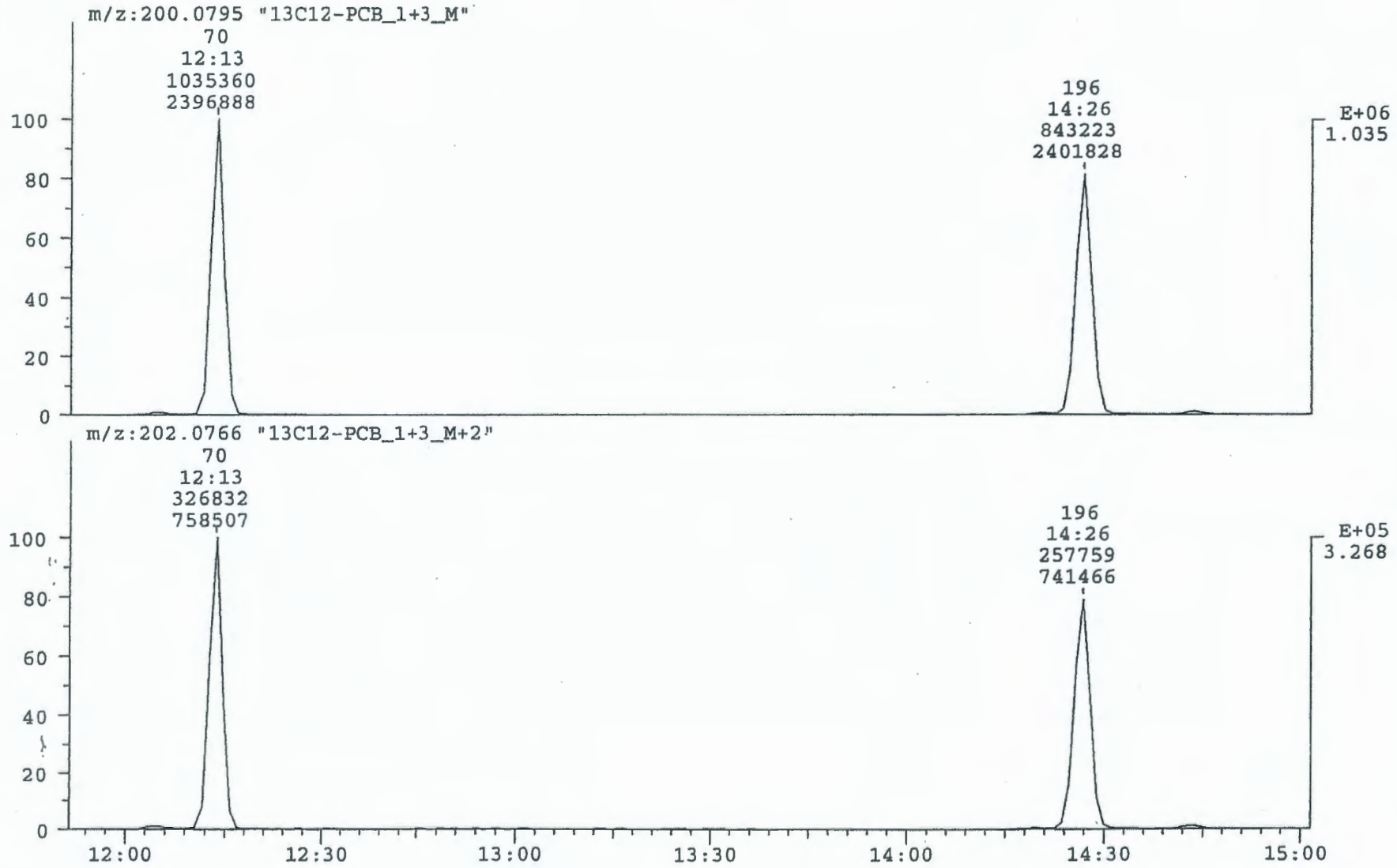
CHRO: a07030712 07-Mar-07 Elapse: 56:14 2556
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 22:12:05 2600
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 2 > 2600 Masses: 181 > 510
Area: 5, 0.50, 0 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area



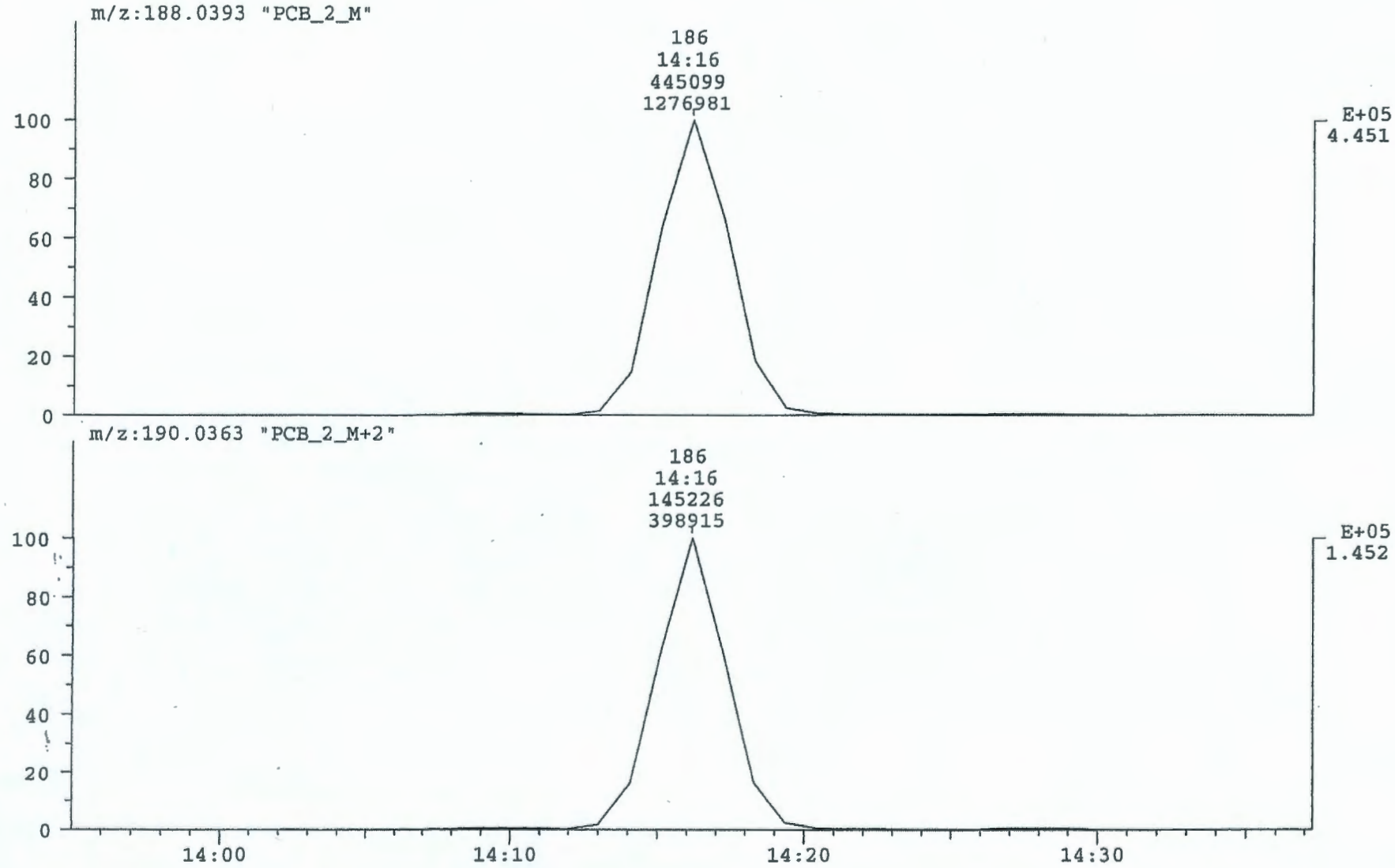
```
CHRO:  a07030712                                07-Mar-07   Elapse:  13:26.5      139
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   49 > 229              Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



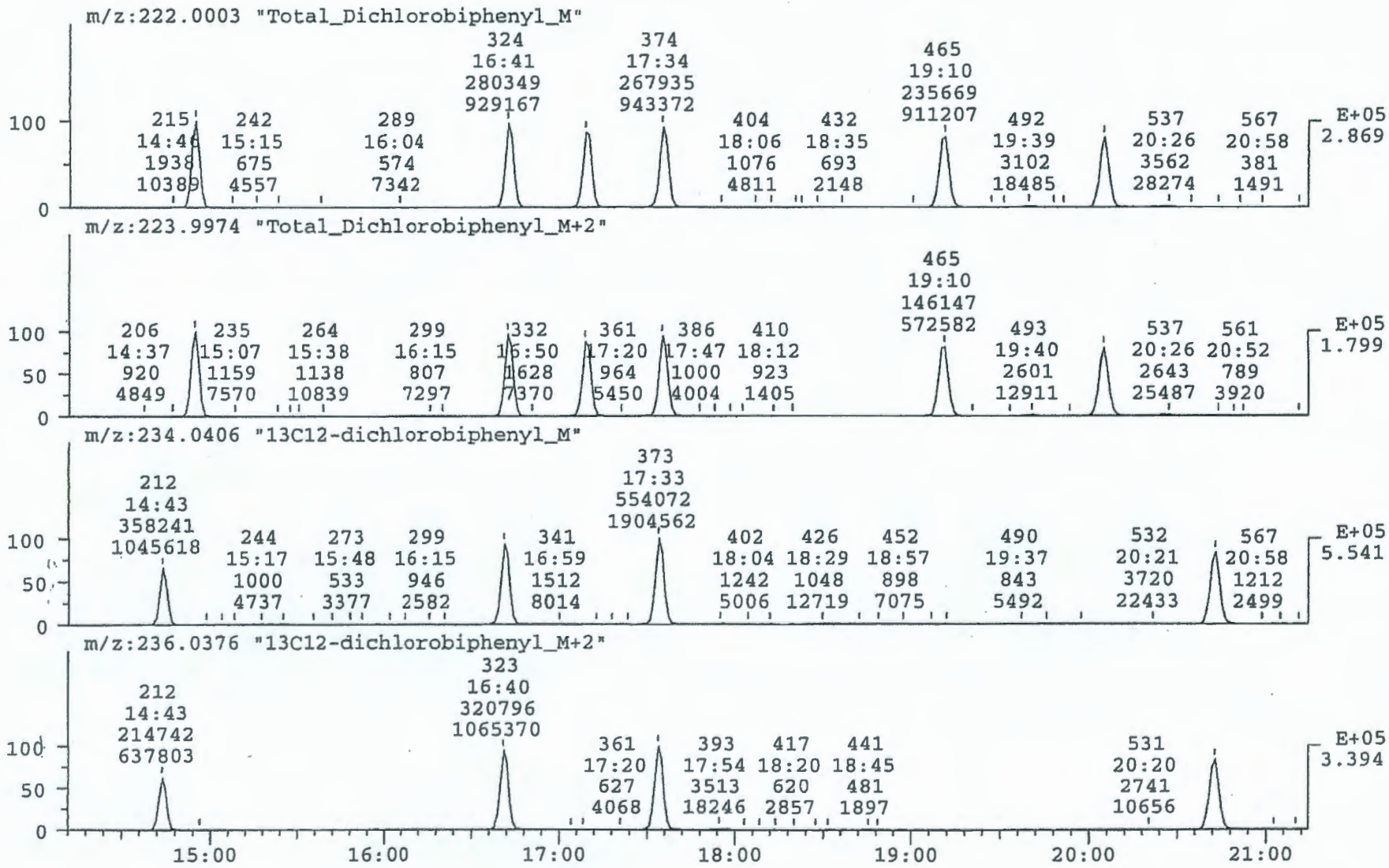
```
CHRO:  a07030712                                07-Mar-07   Elapse:  13:26.5      139
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   49 > 229              Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



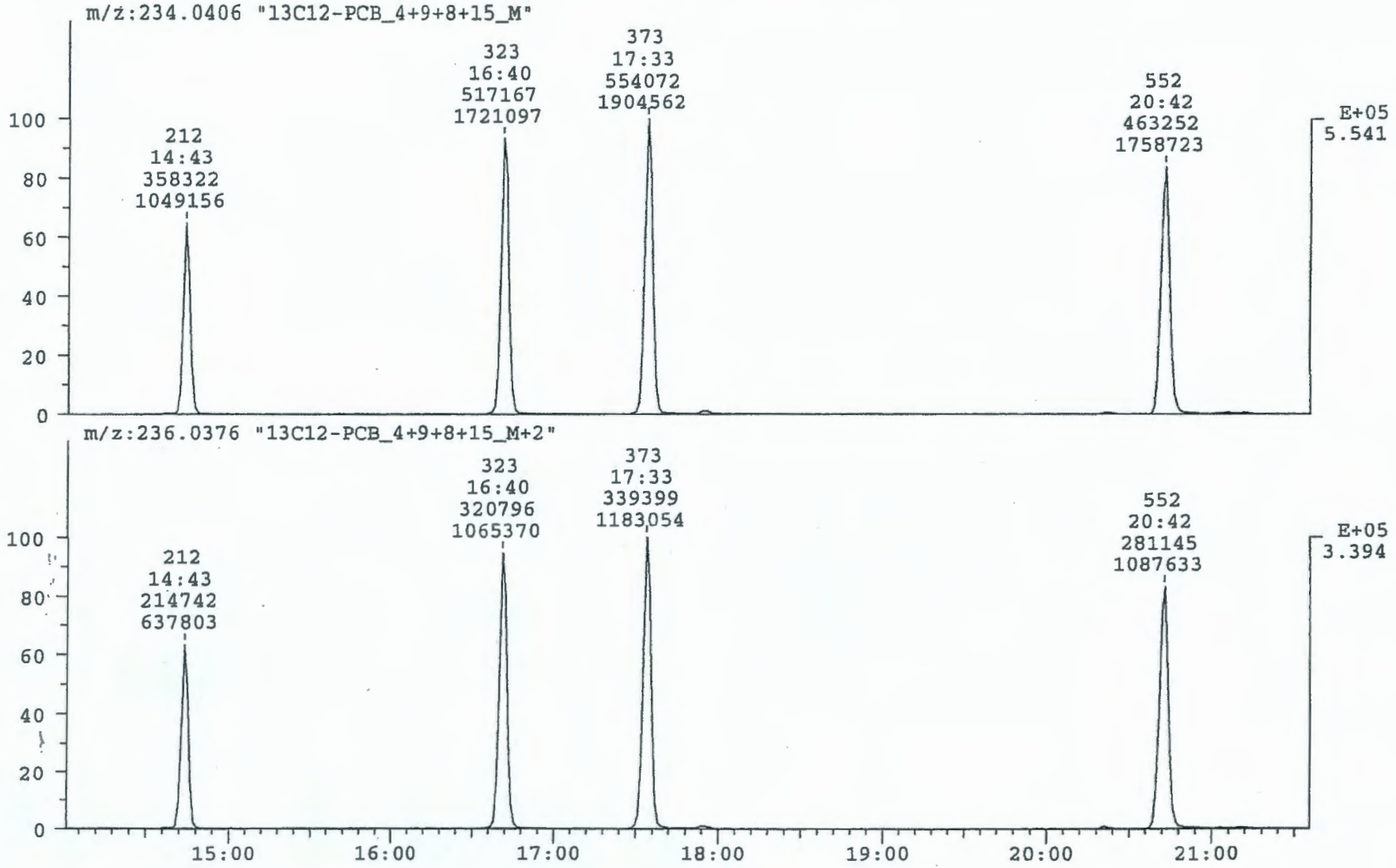
```
CHRO:  a07030712                                07-Mar-07   Elapse:  14:16.2      186
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC      Vial   3
Peak:  100.00  ppm      Label wndw:   166 > 206             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



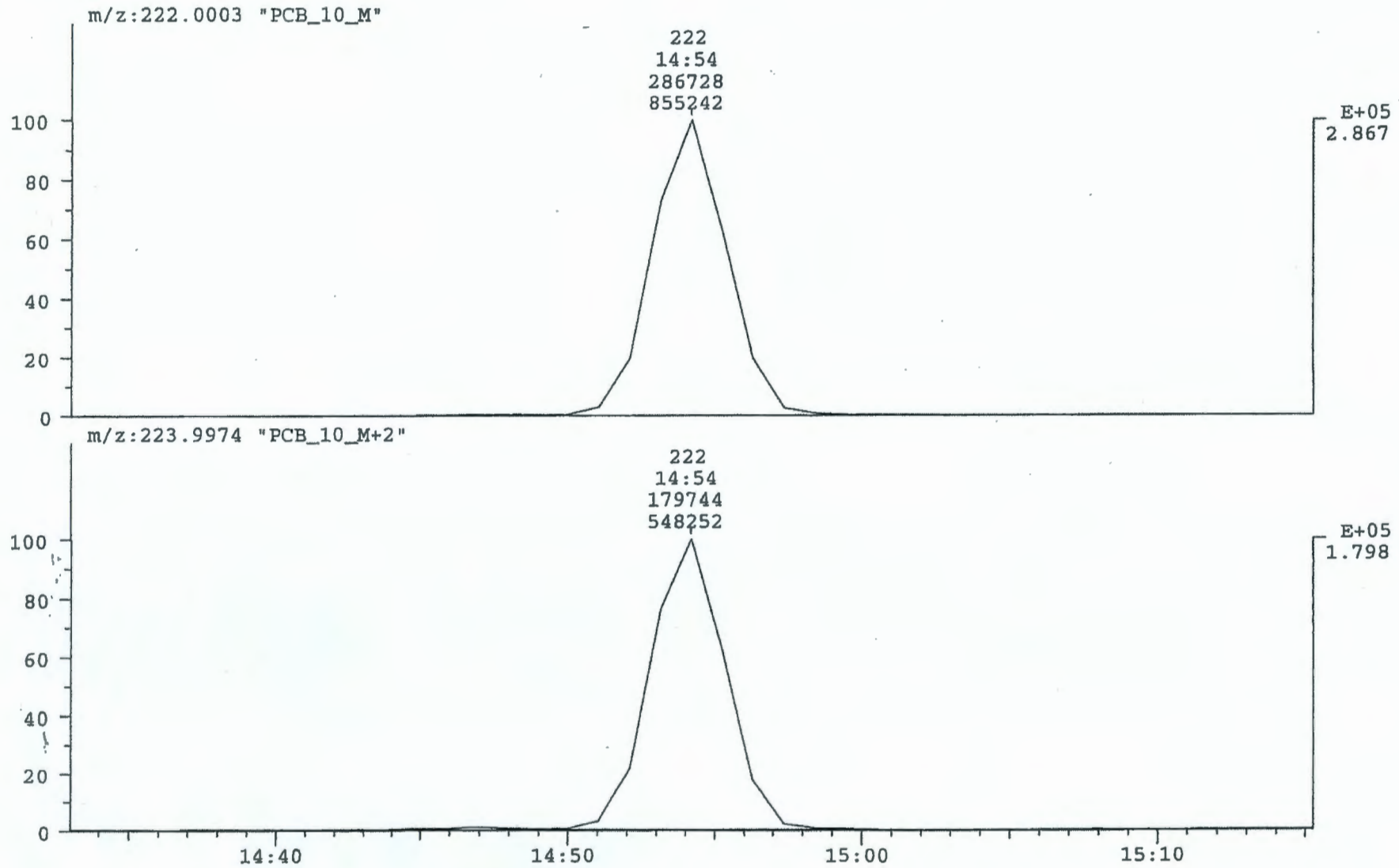
```
CHRO:  a07030712                                07-Mar-07   Elapse:  17:43.1      382
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
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
```



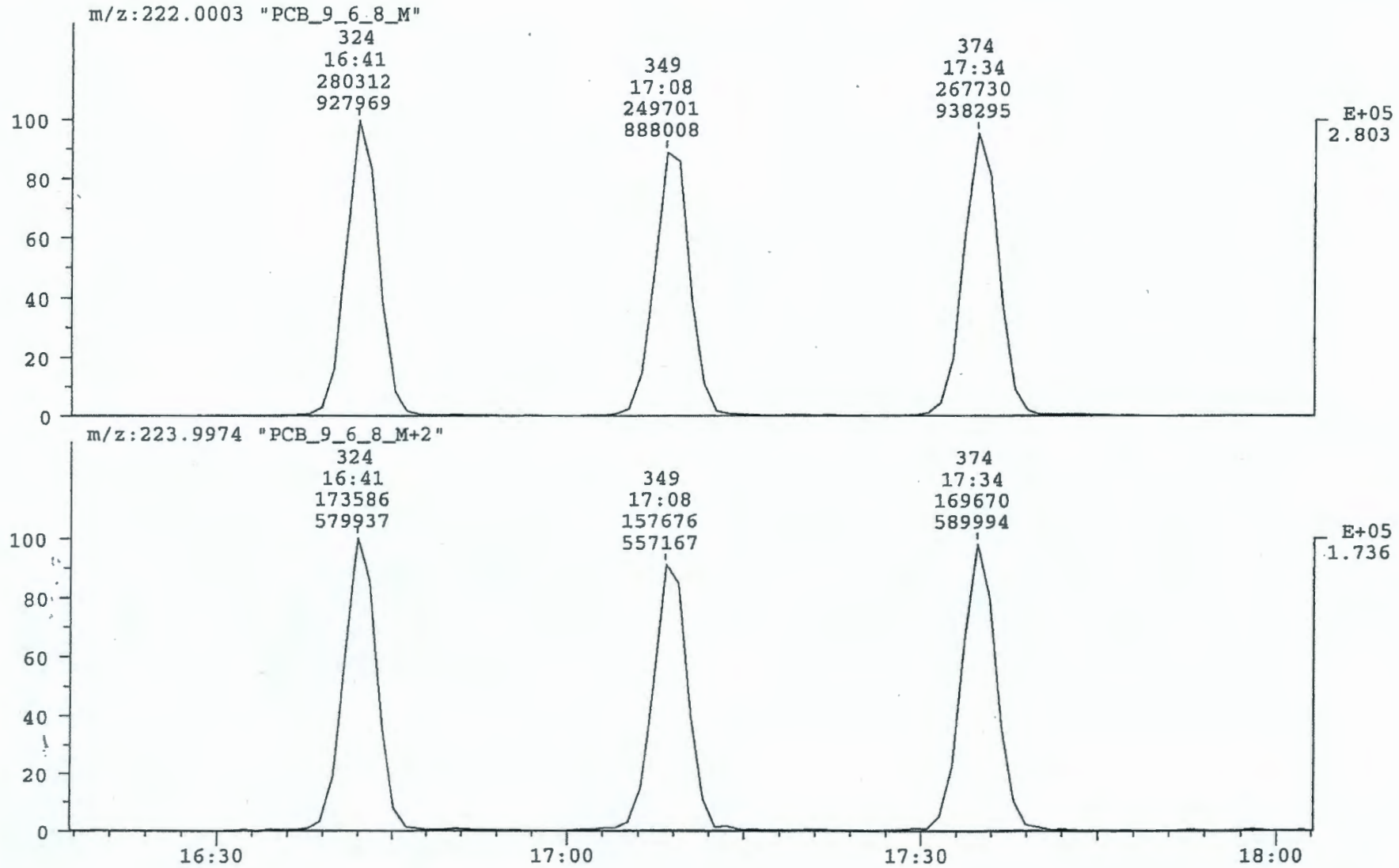
```
CHRO:  a07030712                                07-Mar-07   Elapse:  17:43.1      382
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
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
```



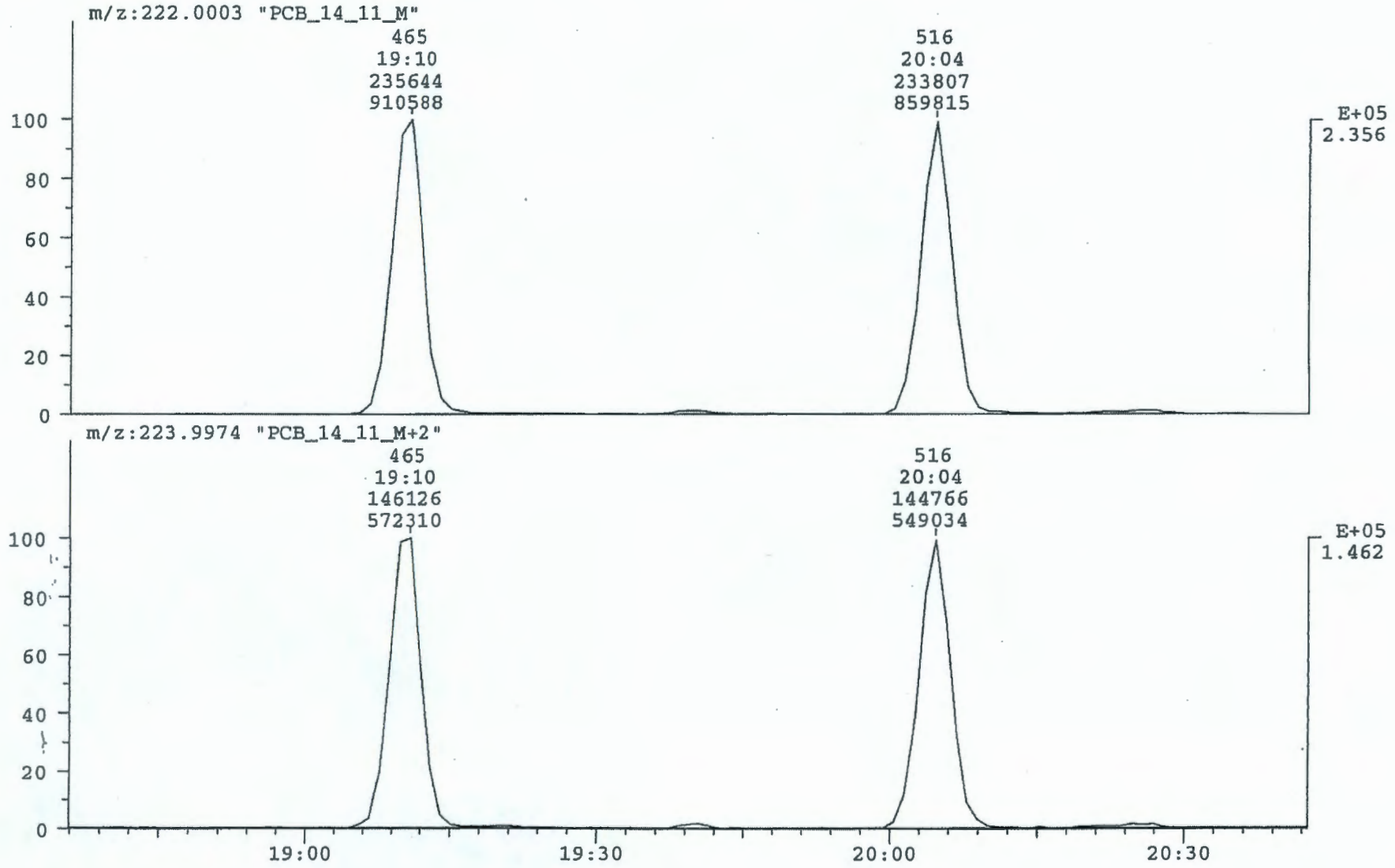
```
CHRO:  a07030712                                07-Mar-07   Elapse:  14:54.2      222
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   202 > 242             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



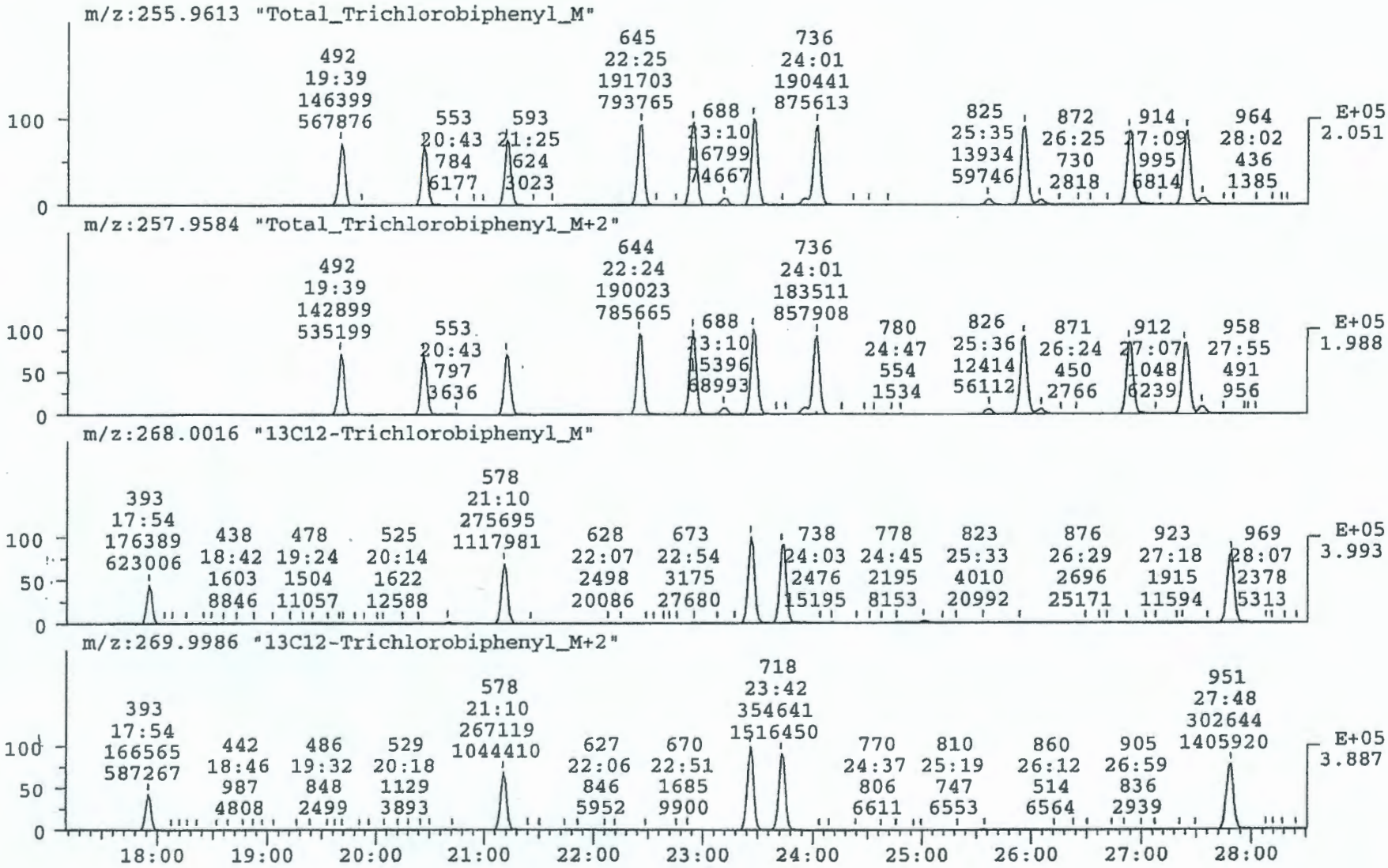
```
CHRO:  a07030712                                07-Mar-07  Elapse:  17:10.4      351
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   301 > 401           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



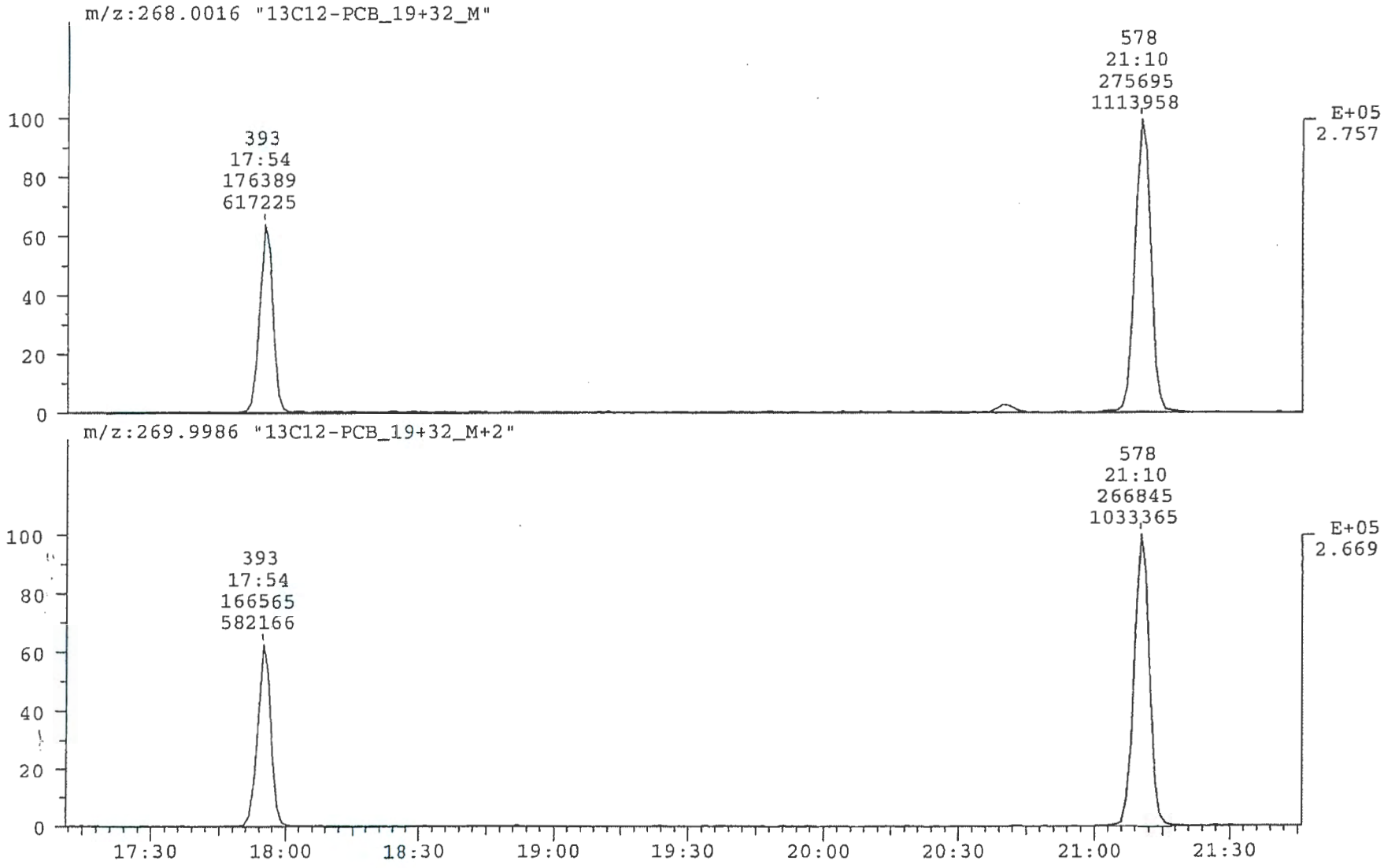
```
CHRO:  a07030712                                07-Mar-07   Elapse:  19:39.3      492
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   432 > 552             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



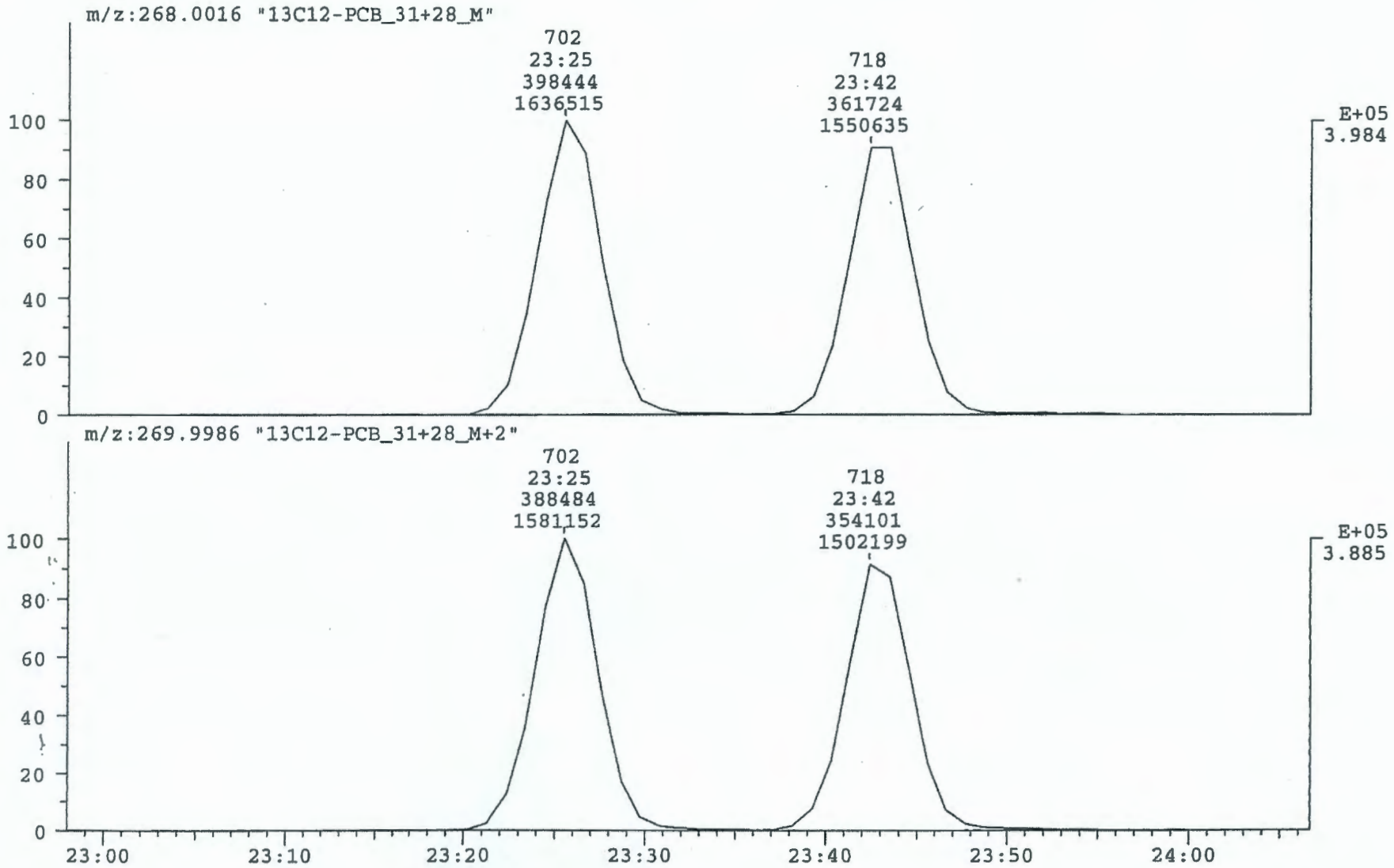
CHRO: a07030712 07-Mar-07 Elapse: 22:52.8 671
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 22:12:05 2600
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 351 > 991 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



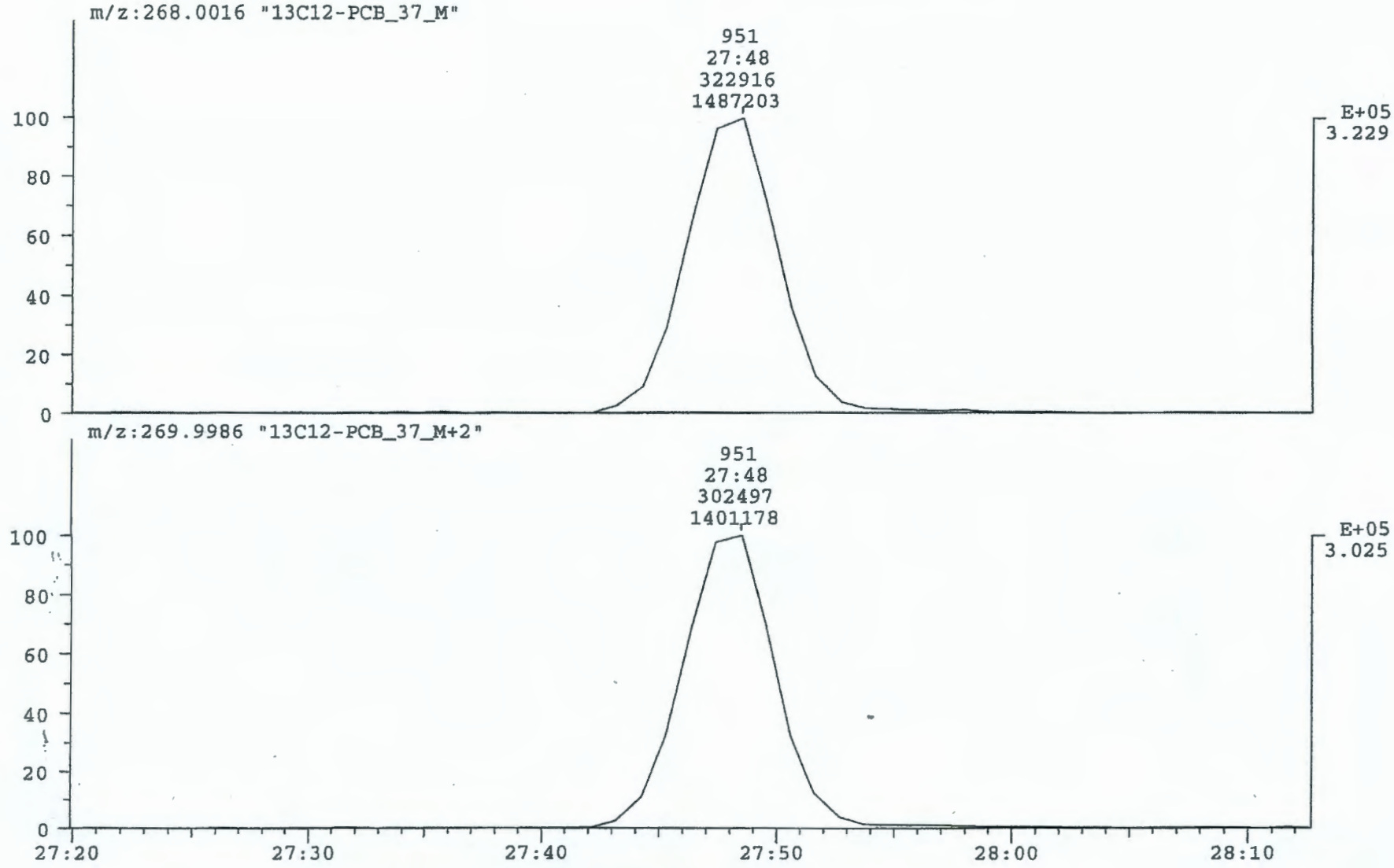
```
CHRO:  a07030712                                07-Mar-07   Elapse:  19:18.1      472
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
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
```



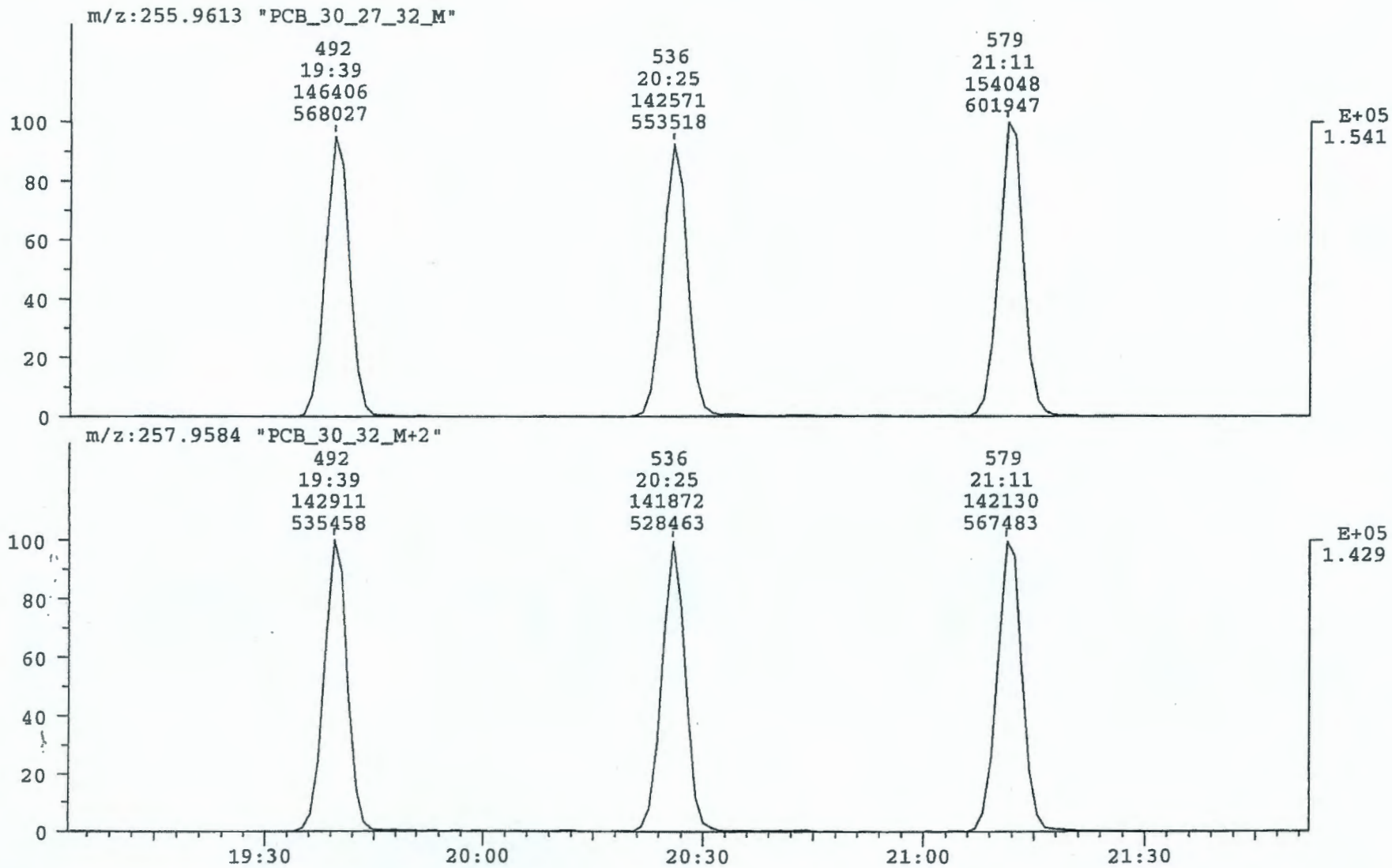
```
CHRO:  a07030712                                07-Mar-07   Elapse:  23:24.4      701
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
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
```



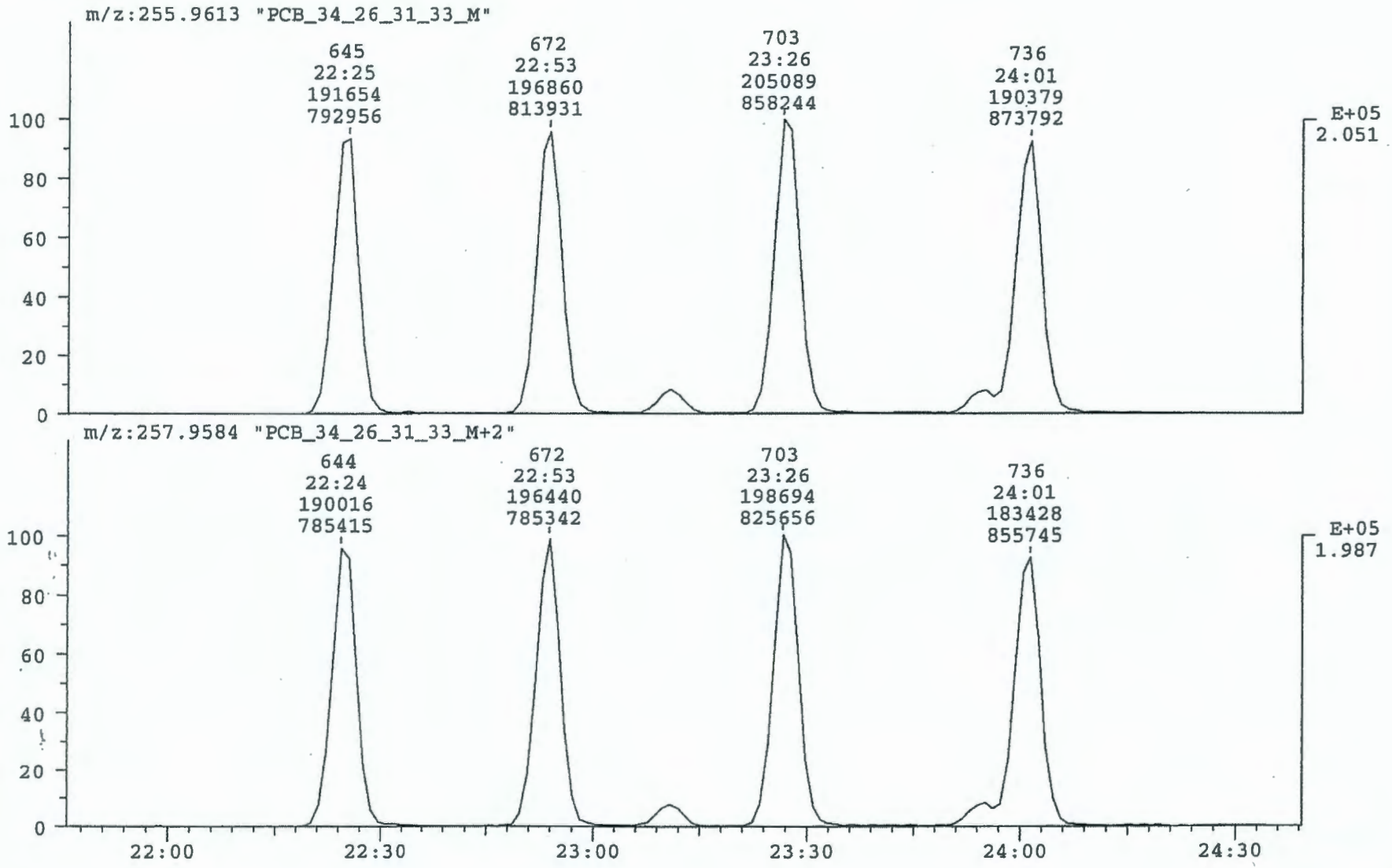
```
CHRO:  a07030712                                07-Mar-07   Elapse:  27:46.3      949
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
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
```



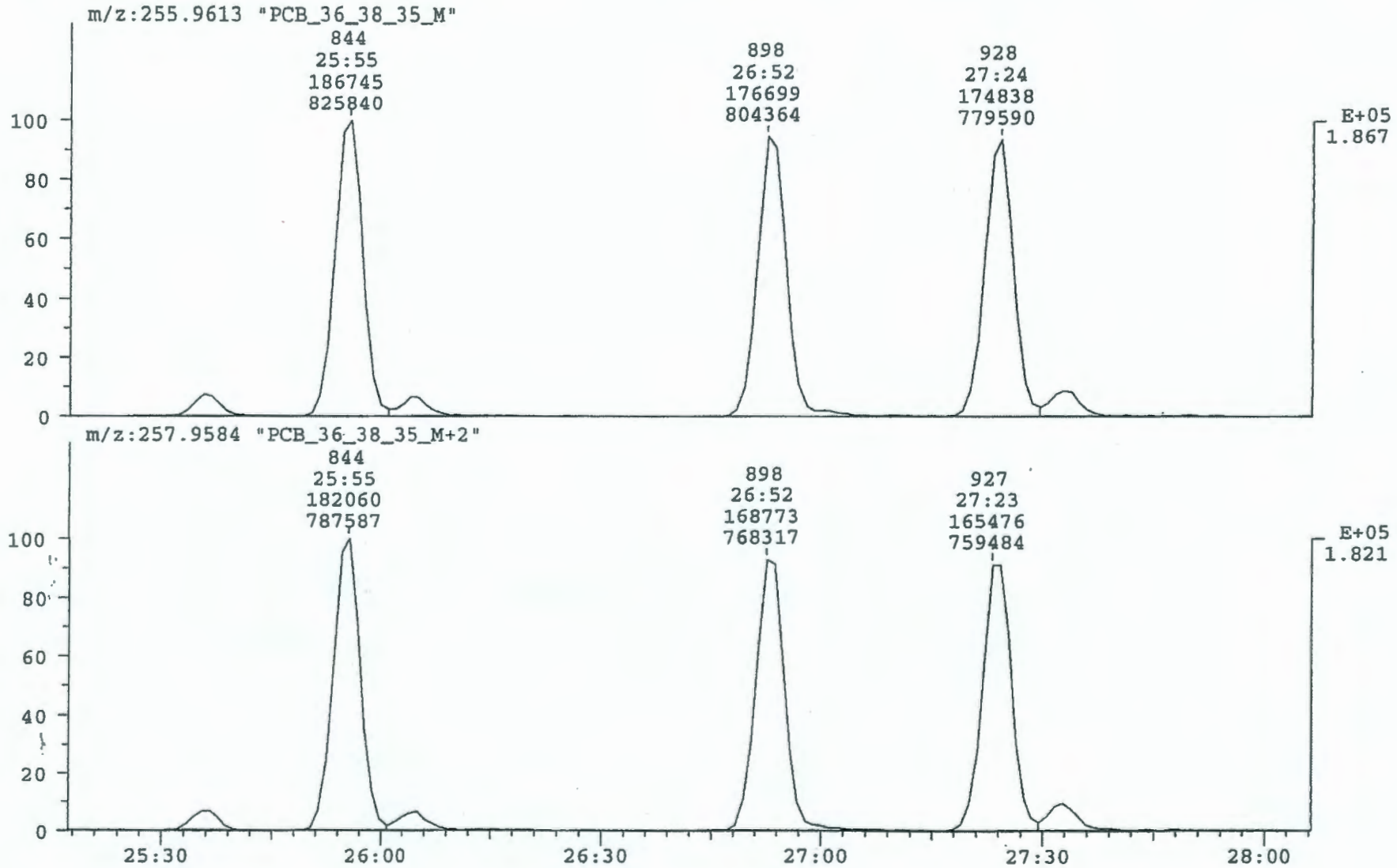
```
CHRO:  a07030712                                07-Mar-07   Elapse:  20:27.8      538
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   458 > 618             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



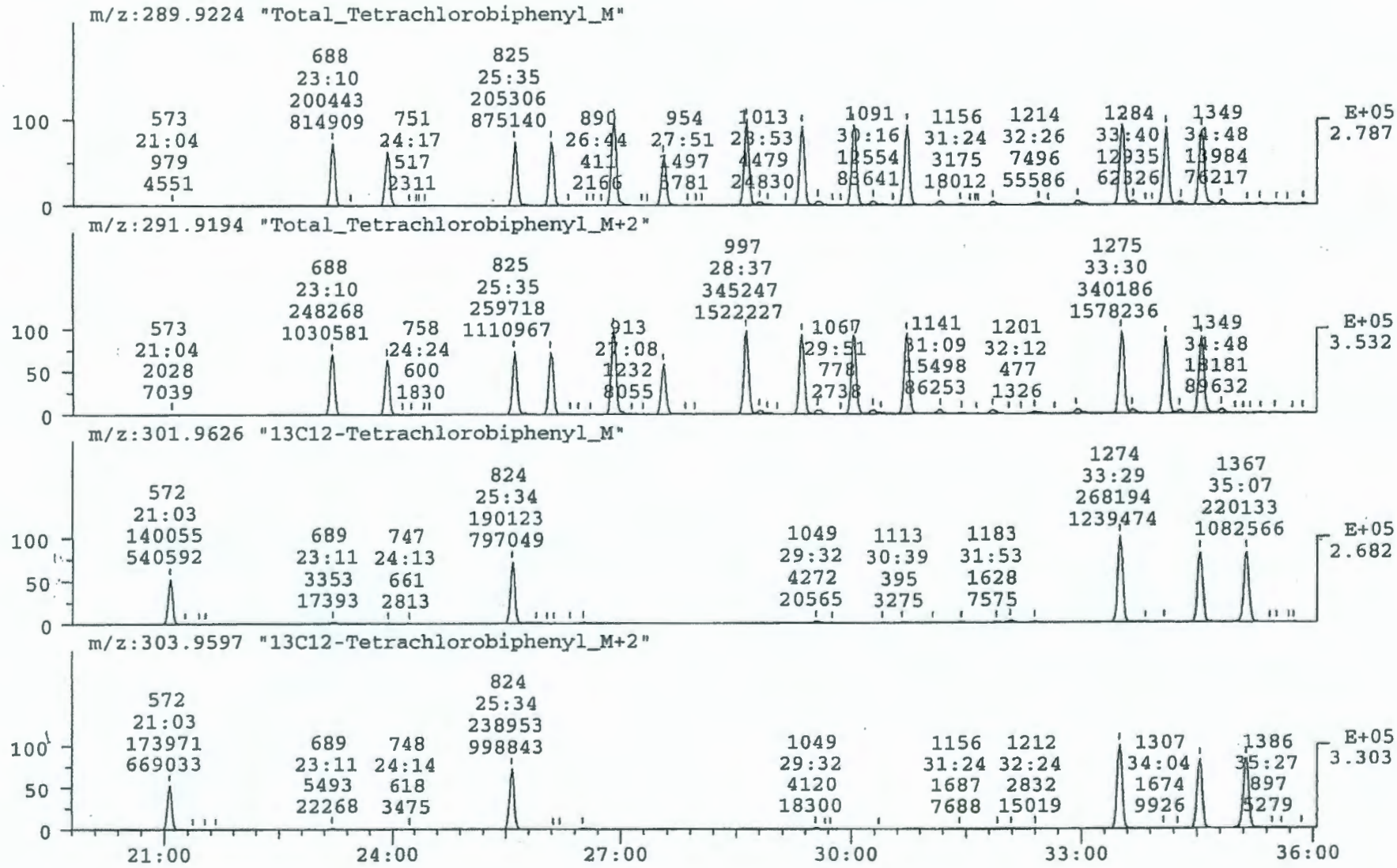
```
CHRO:  a07030712                                07-Mar-07   Elapse:  23:14.9      692
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   612 > 772             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



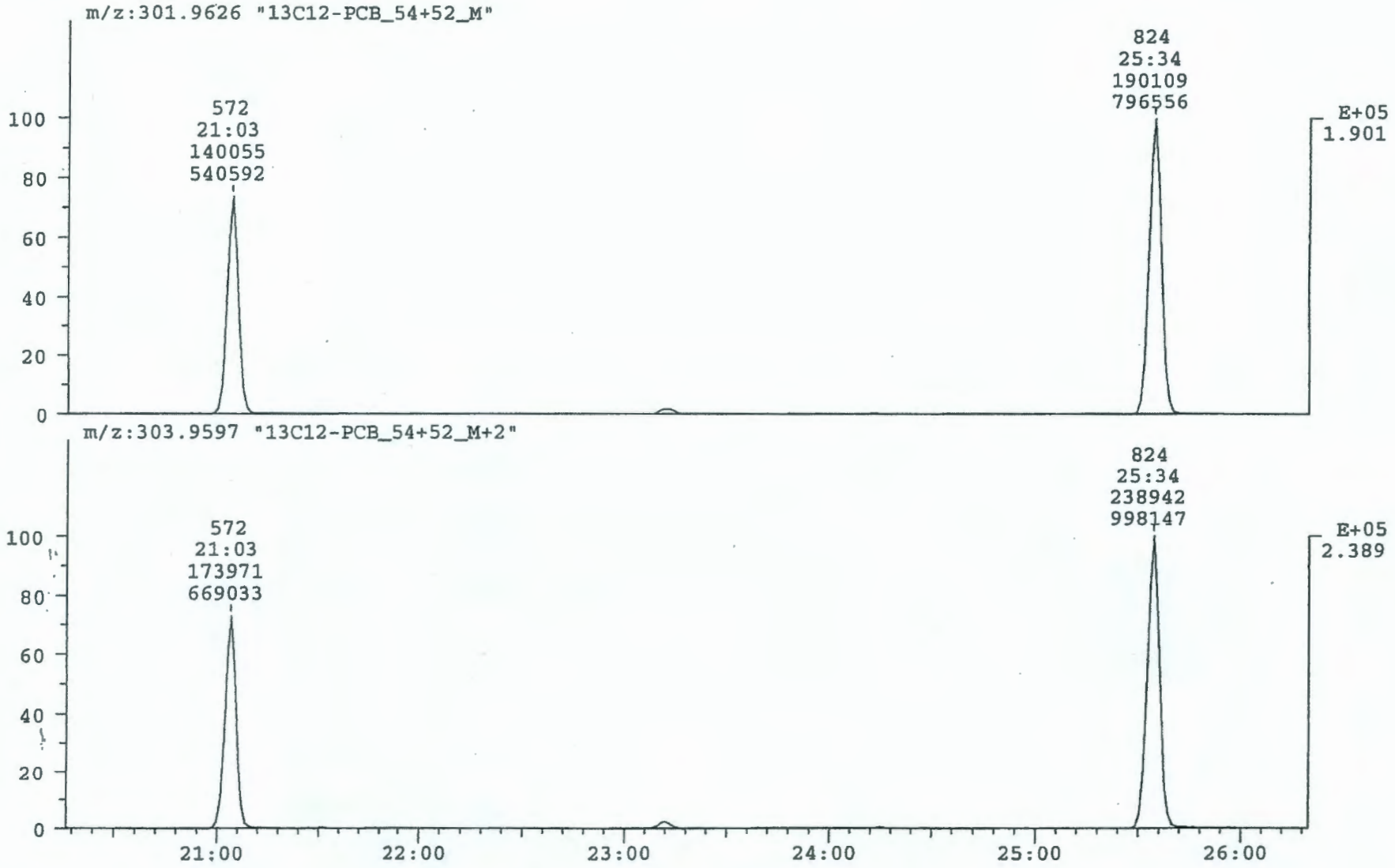
```
CHRO:  a07030712                                07-Mar-07   Elapse:  26:41.9      888
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   808 > 968             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



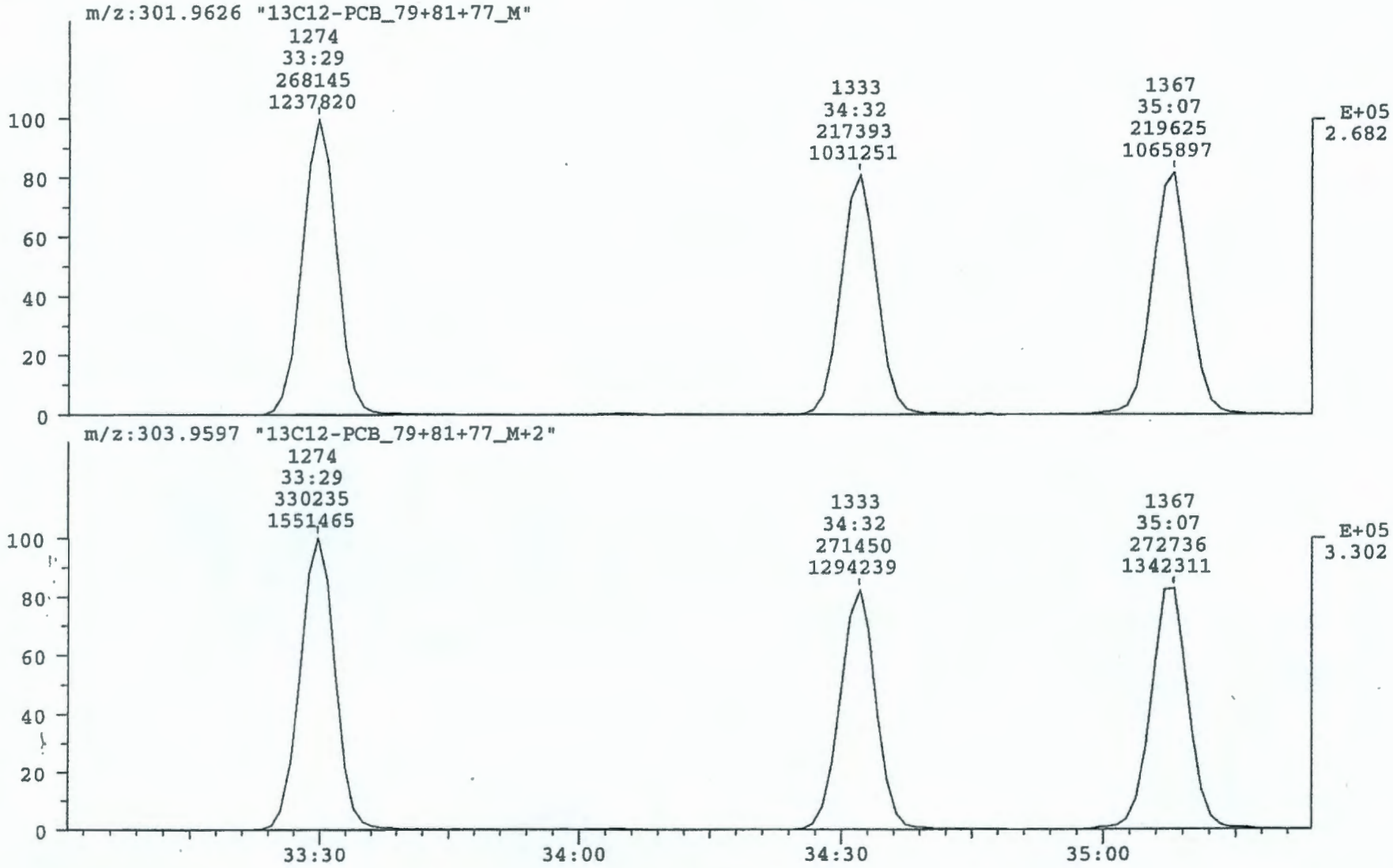
```
CHRO:  a07030712                                07-Mar-07   Elapse:  27:54.8      957
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC      Vial   3
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
```



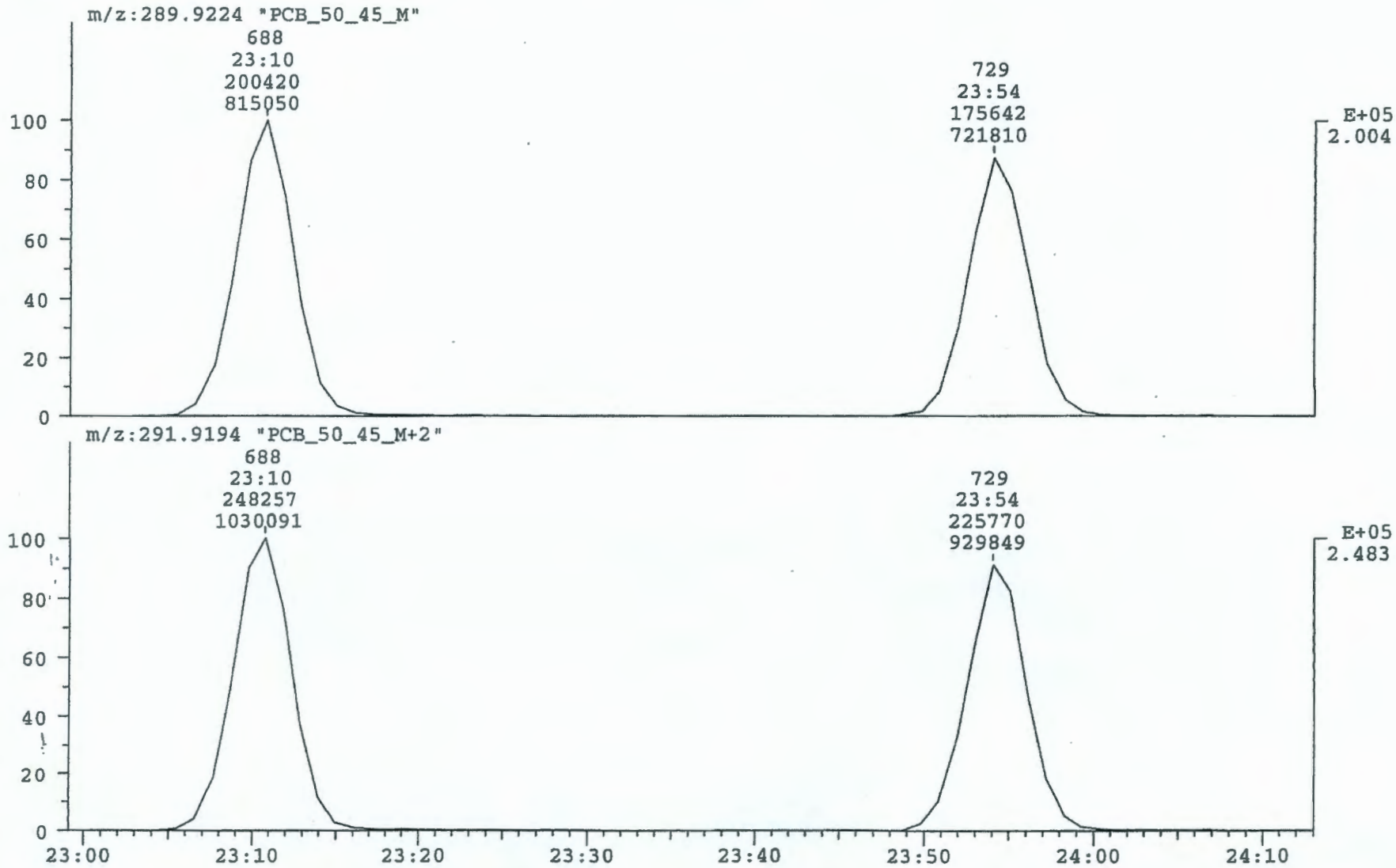
```
CHRO:  a07030712                          07-Mar-07   Elapse:  23:20.2      697
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1           Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                      Study :  1668 RT Mix1/Run2
Oper:  DCG          Client:  STL Knoxville            Inlet :  GC     Vial   3
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
```



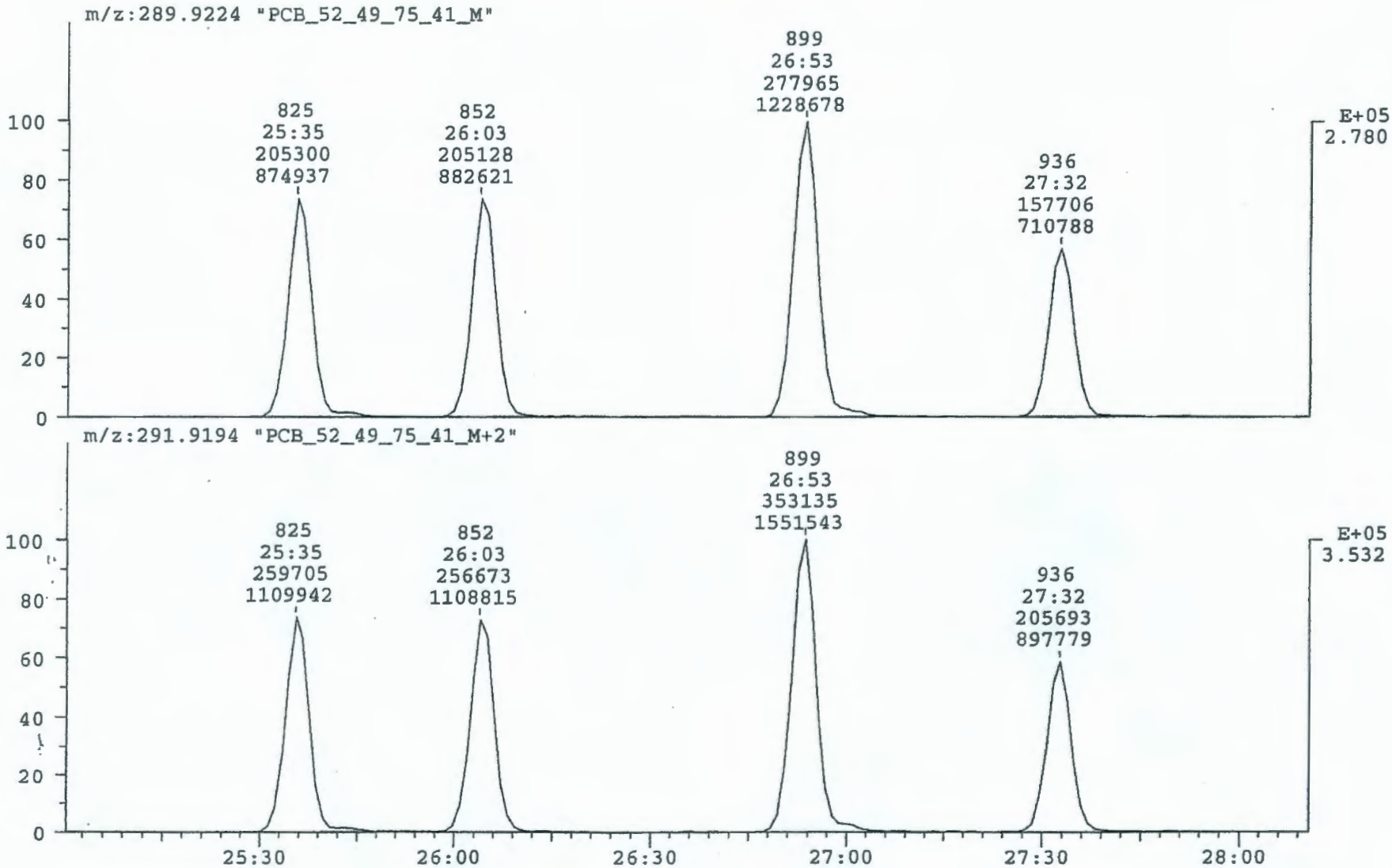
```
CHRO:  a07030712                                07-Mar-07   Elapse:  34:15      1317
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
Peak:  100.00  ppm    Label wndw:   1247 > 1382             Masses:  181 > 510
Area:  5, 0.50, 15    Baseline  :   100, 3                  Label :  -3, 3.0
Disp:  Height  Area
```



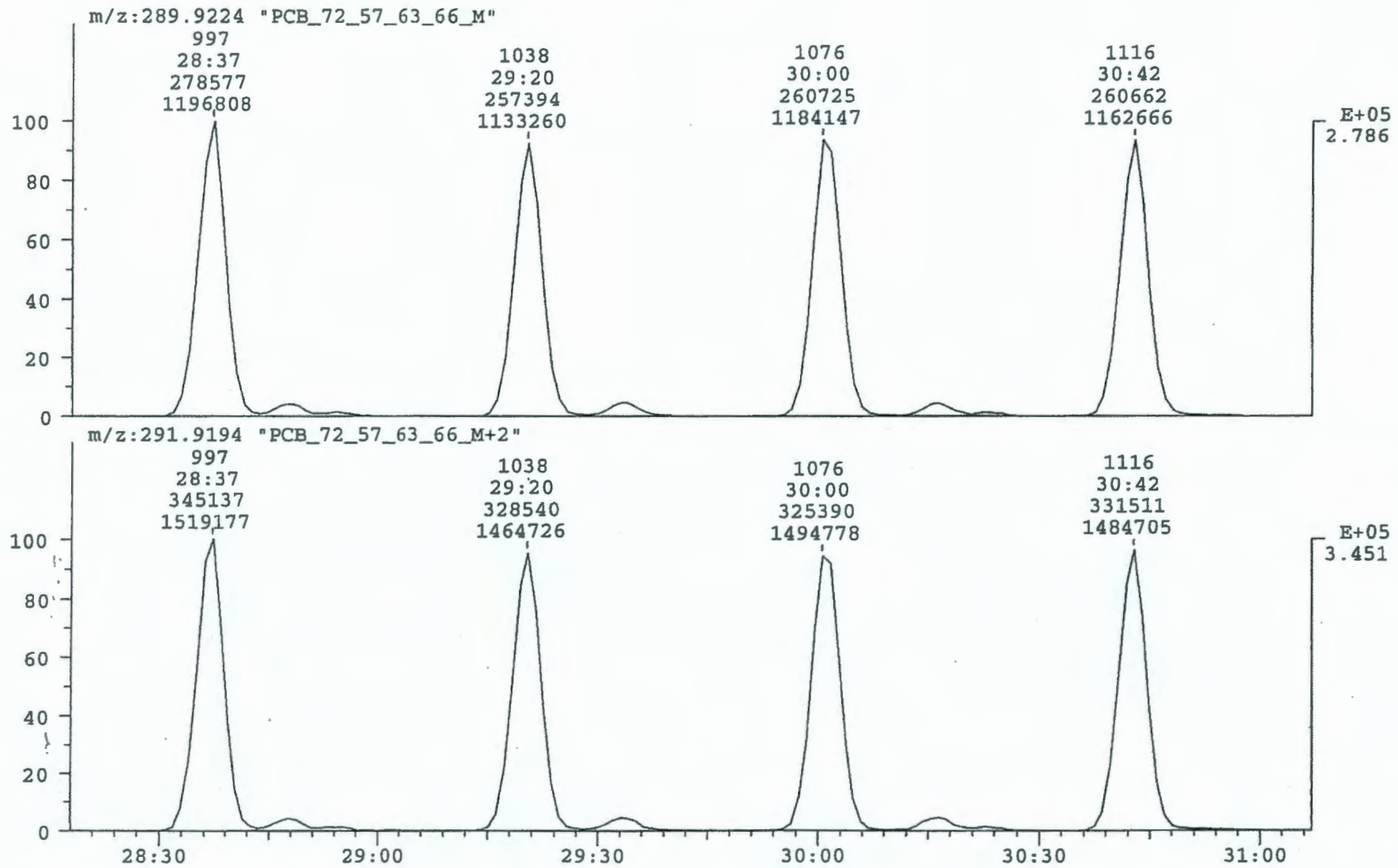
```
CHRO:  a07030712                                07-Mar-07   Elapse:  23:41.3      717
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   677 > 747             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



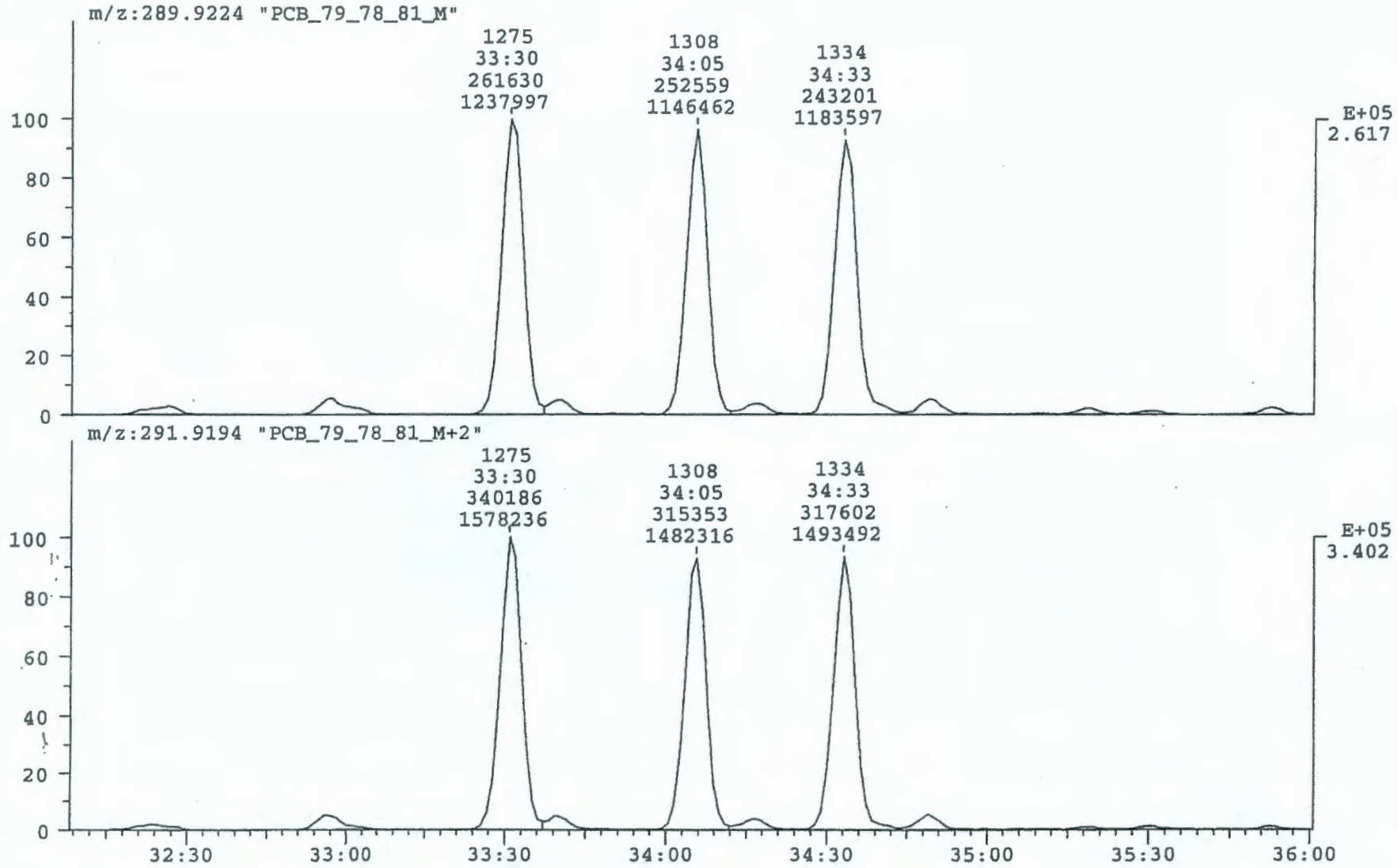
```
CHRO:  a07030712                                07-Mar-07   Elapse:  26:35.5      882
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05    2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   792 > 972             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



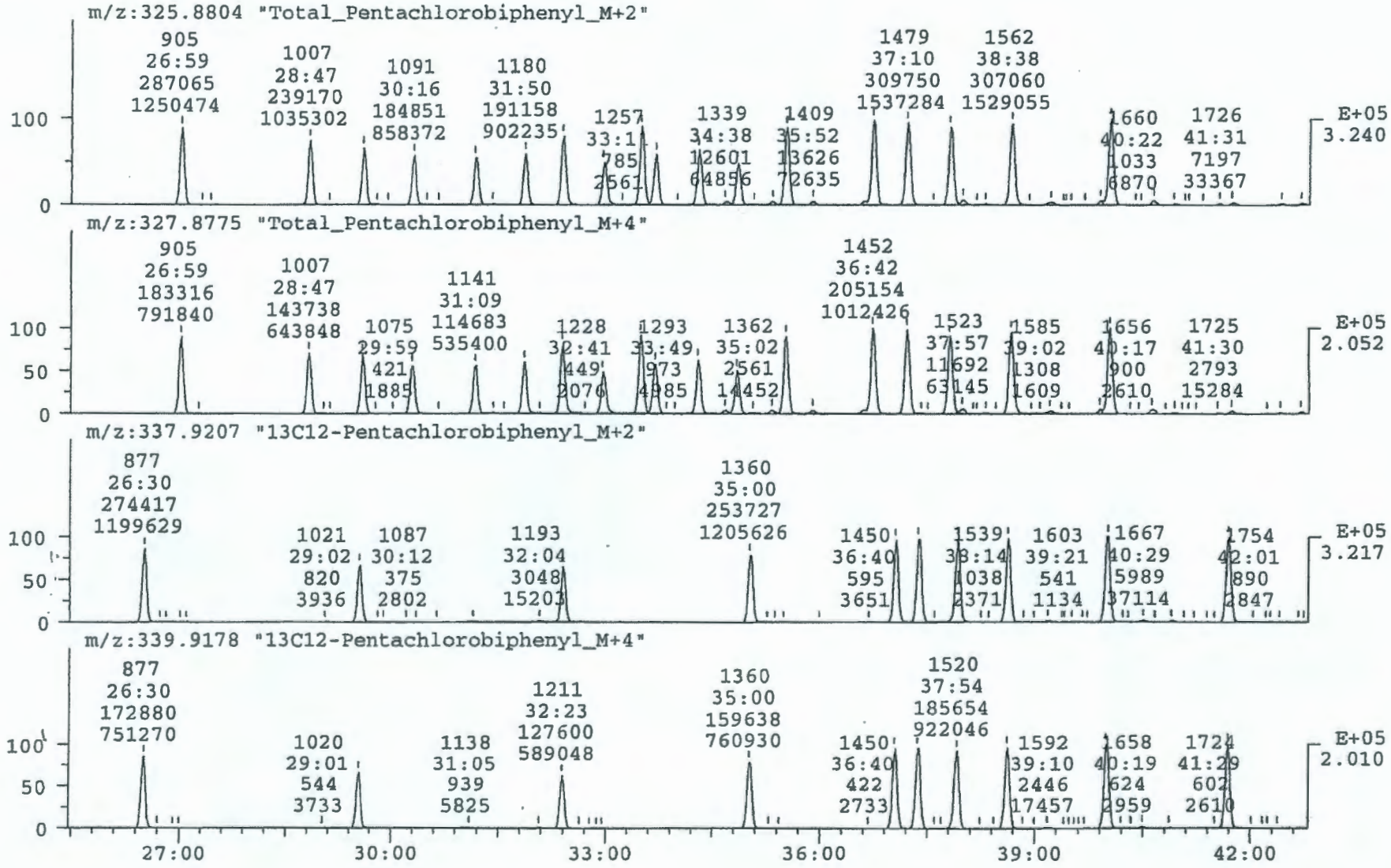
```
CHRO:  a07030712                                07-Mar-07   Elapse:  29:42      1059
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   979 > 1139            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



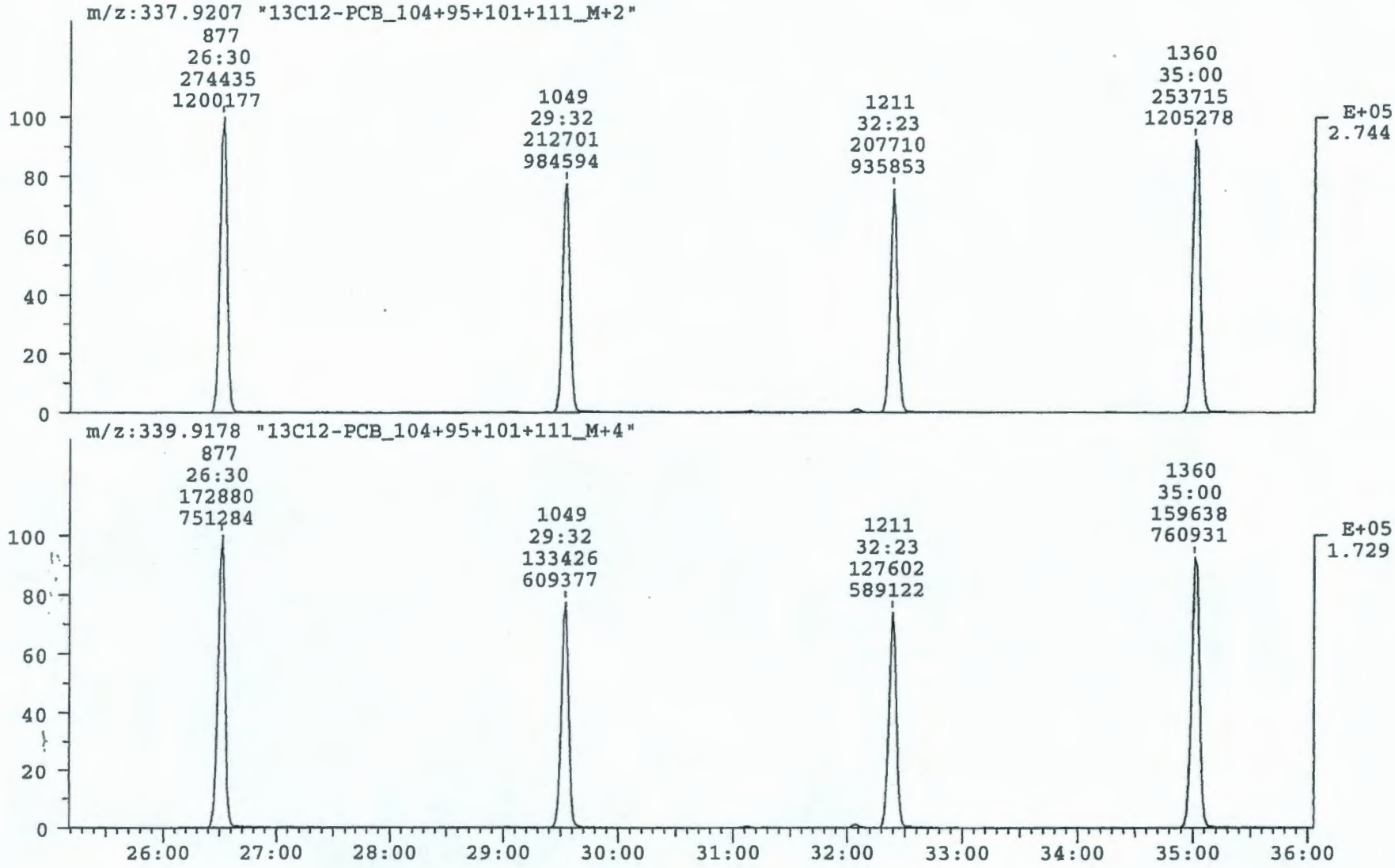
```
CHRO:  a07030712                                07-Mar-07  Elapse:  34:04      1307
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  22:12:05   2600
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run2
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1197 > 1417          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



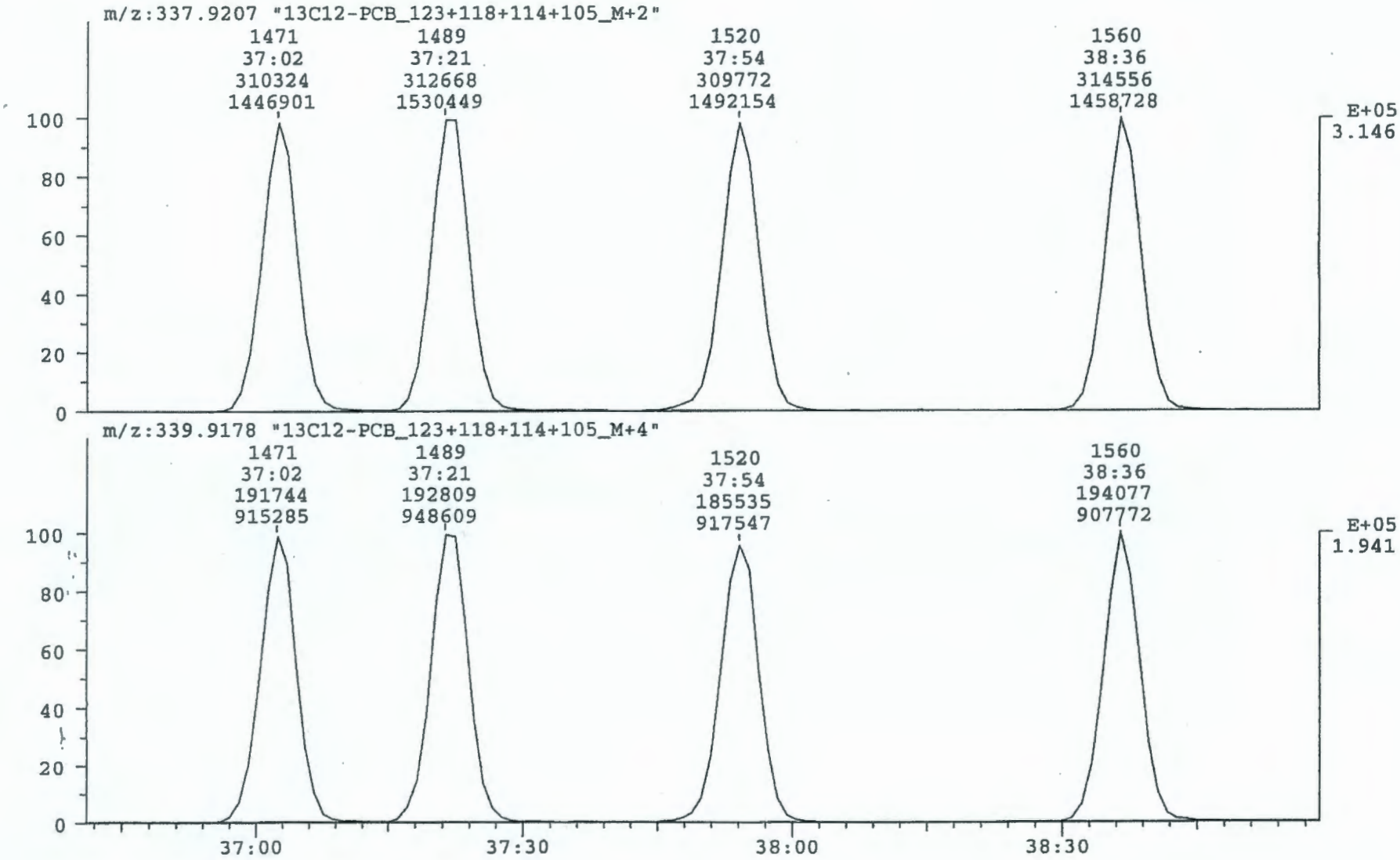
CHRO: a07030712 07-Mar-07 Elapse: 34:07 1310
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 22:12:05 2600
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 818 > 1798 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



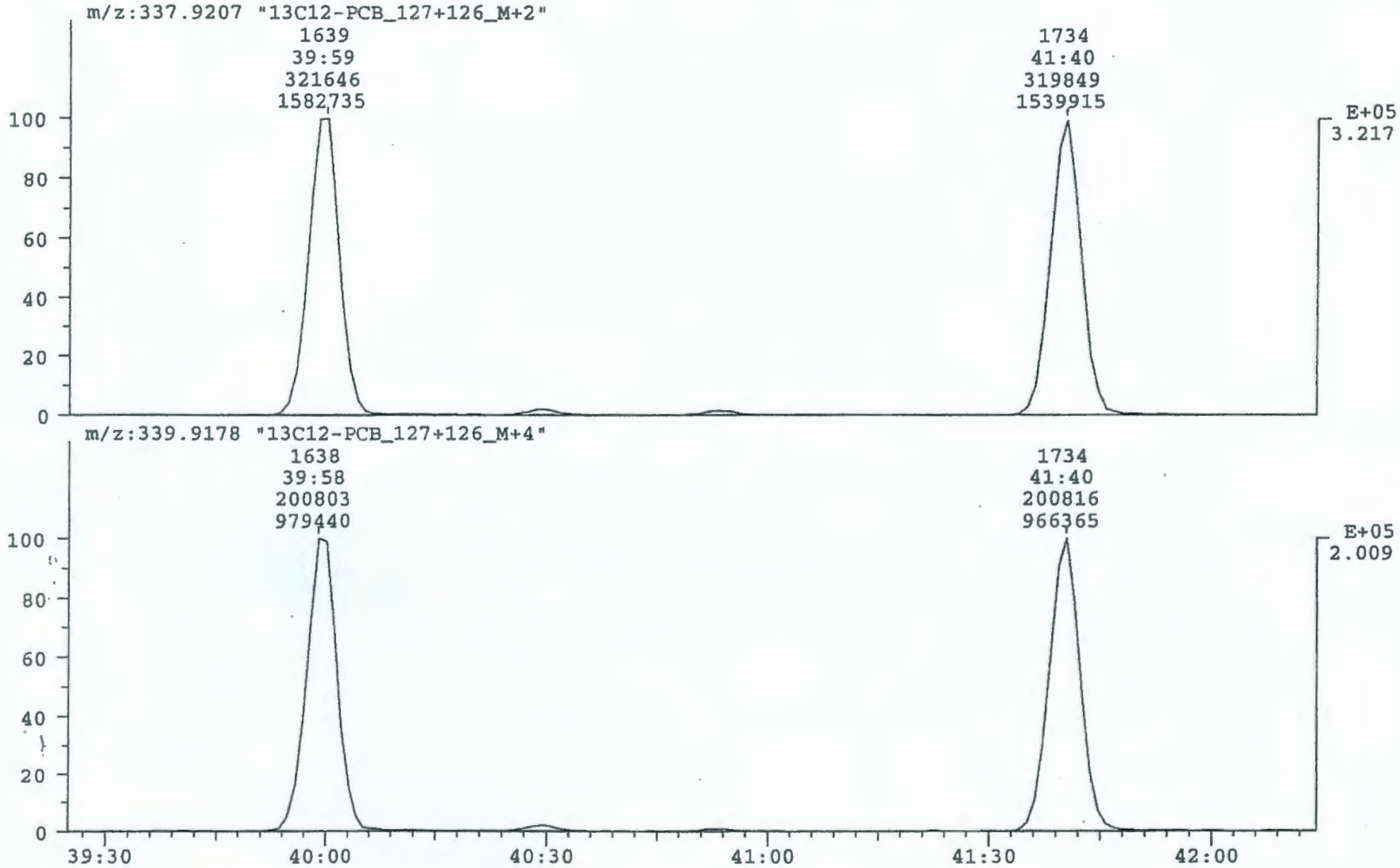
```
CHRO:  a07030712                                07-Mar-07   Elapse:  30:37      1111
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   802 > 1419            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



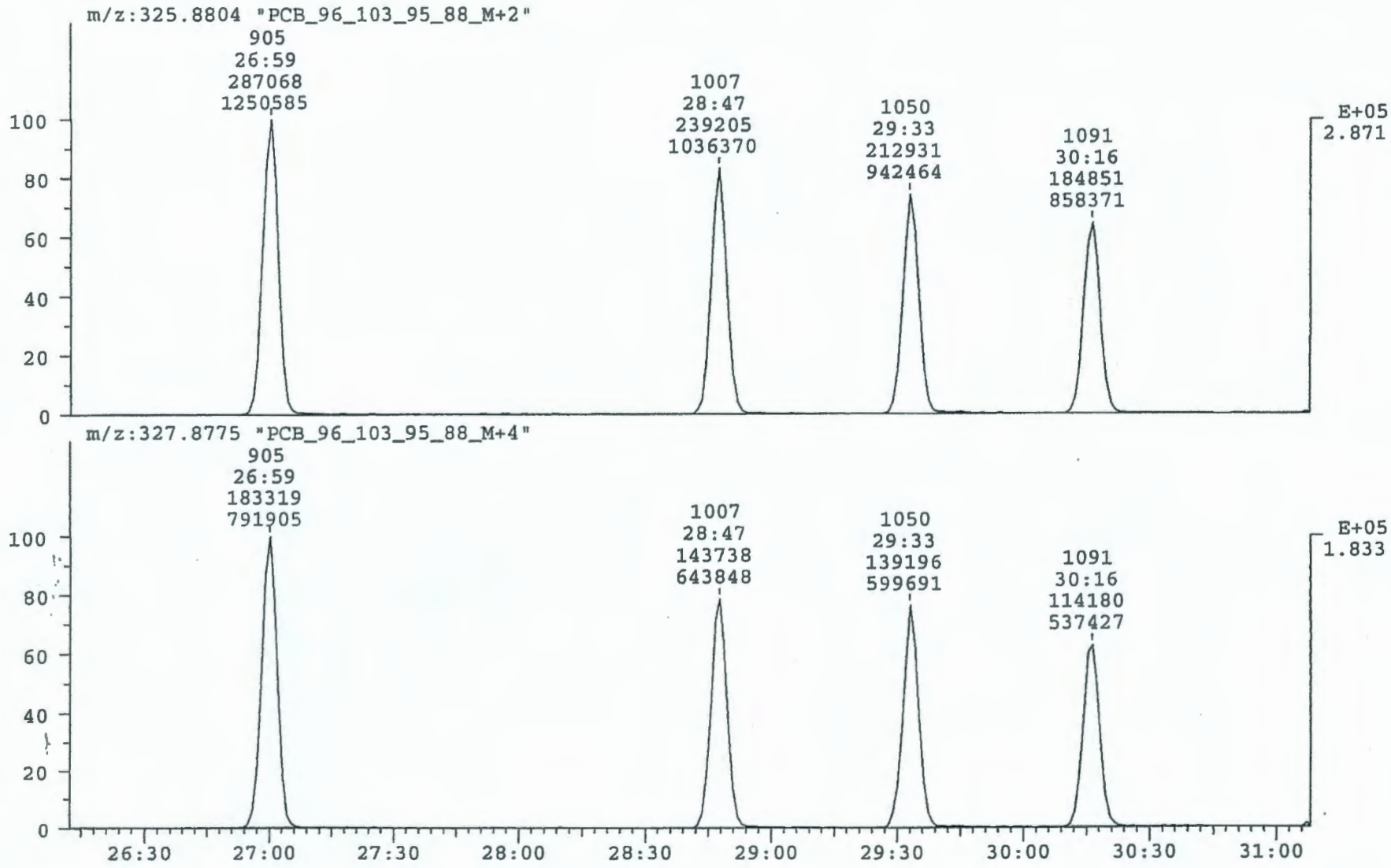
```
CHRO:  a07030712                                07-Mar-07   Elapse:  37:49      1516
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1451 > 1581            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



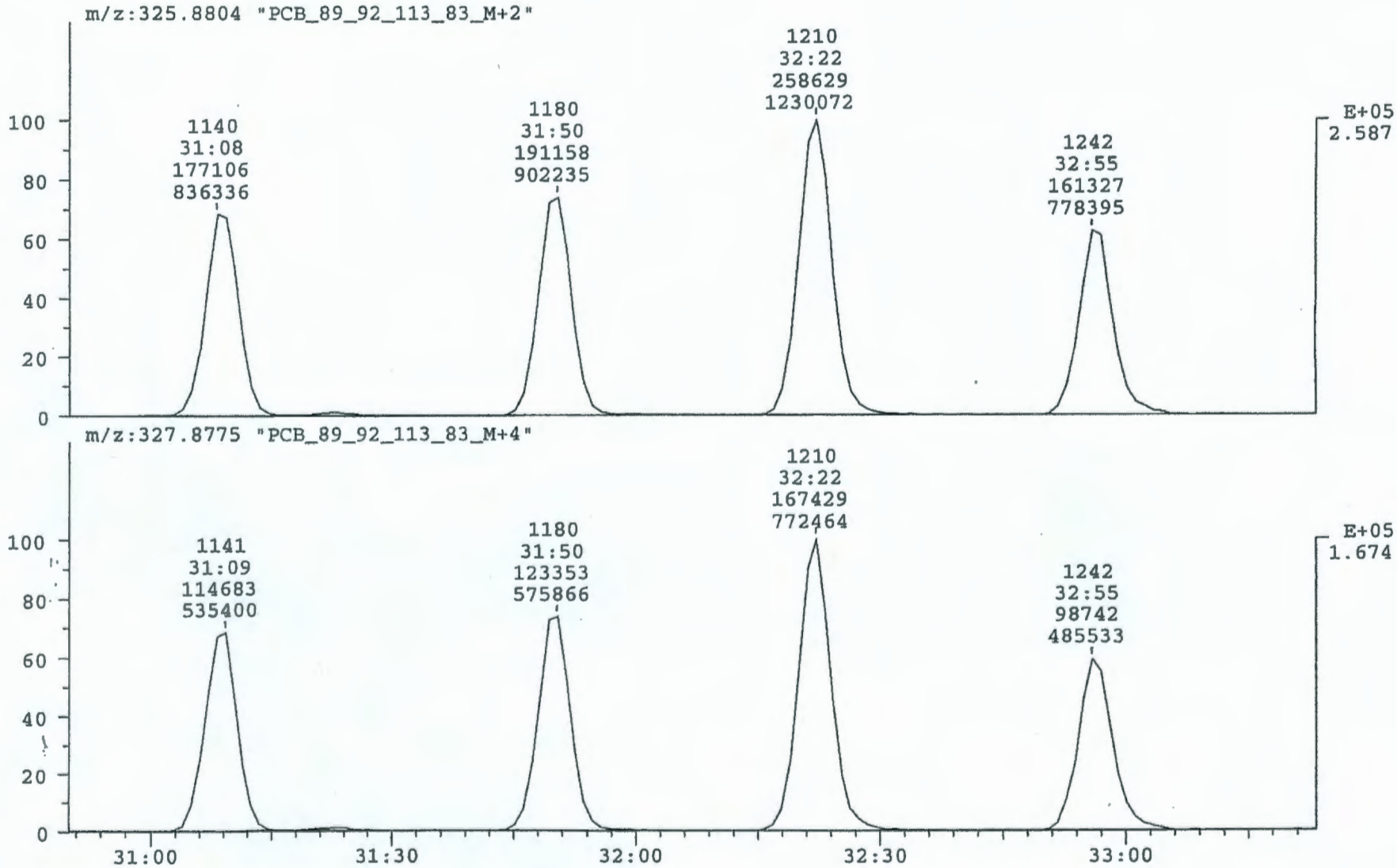
```
CHRO:  a07030712                                07-Mar-07   Elapse:  40:49      1686
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1606 > 1766           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



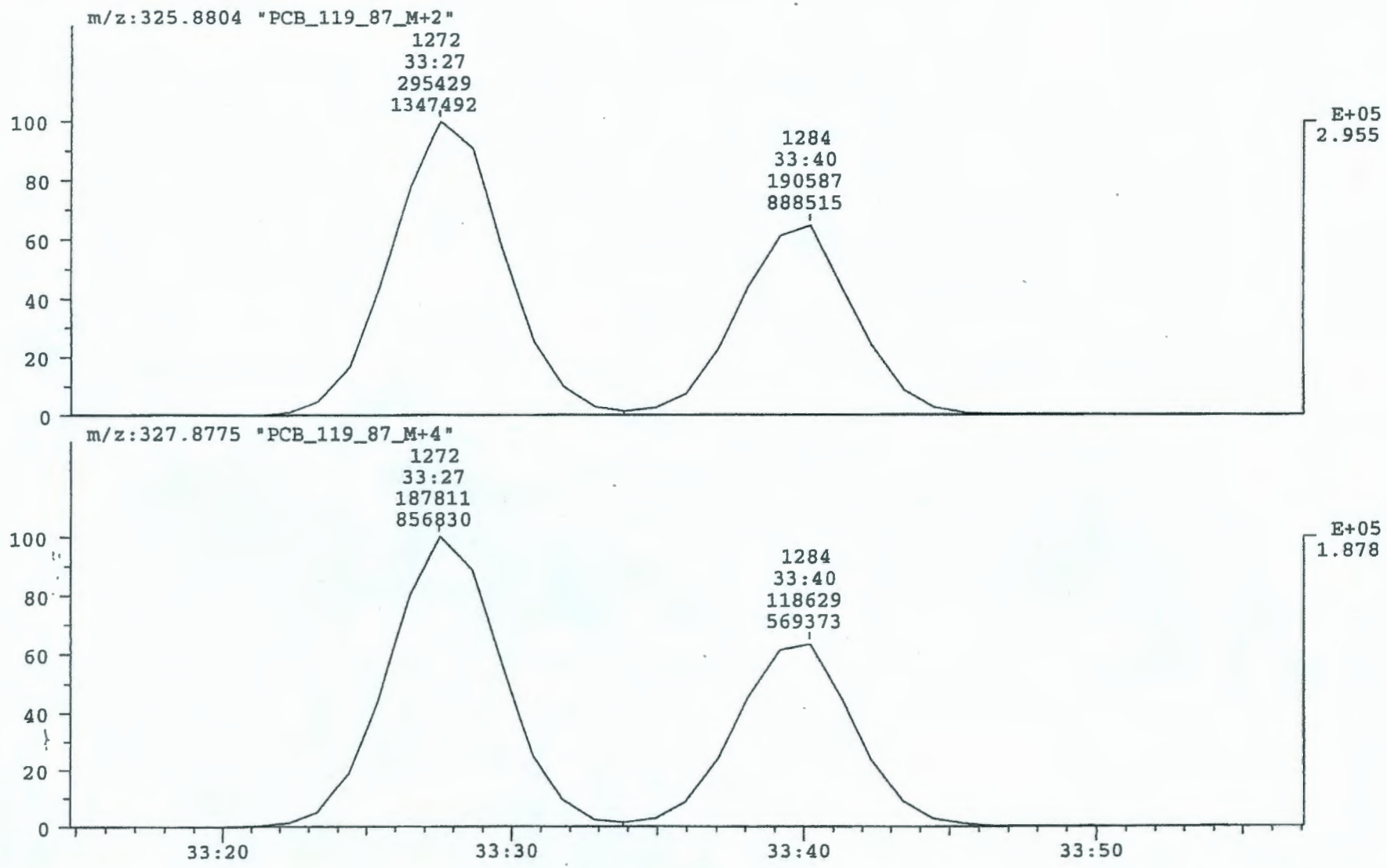
```
CHRO:  a07030712                                07-Mar-07   Elapse:  28:40      1000
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   860 > 1140             Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



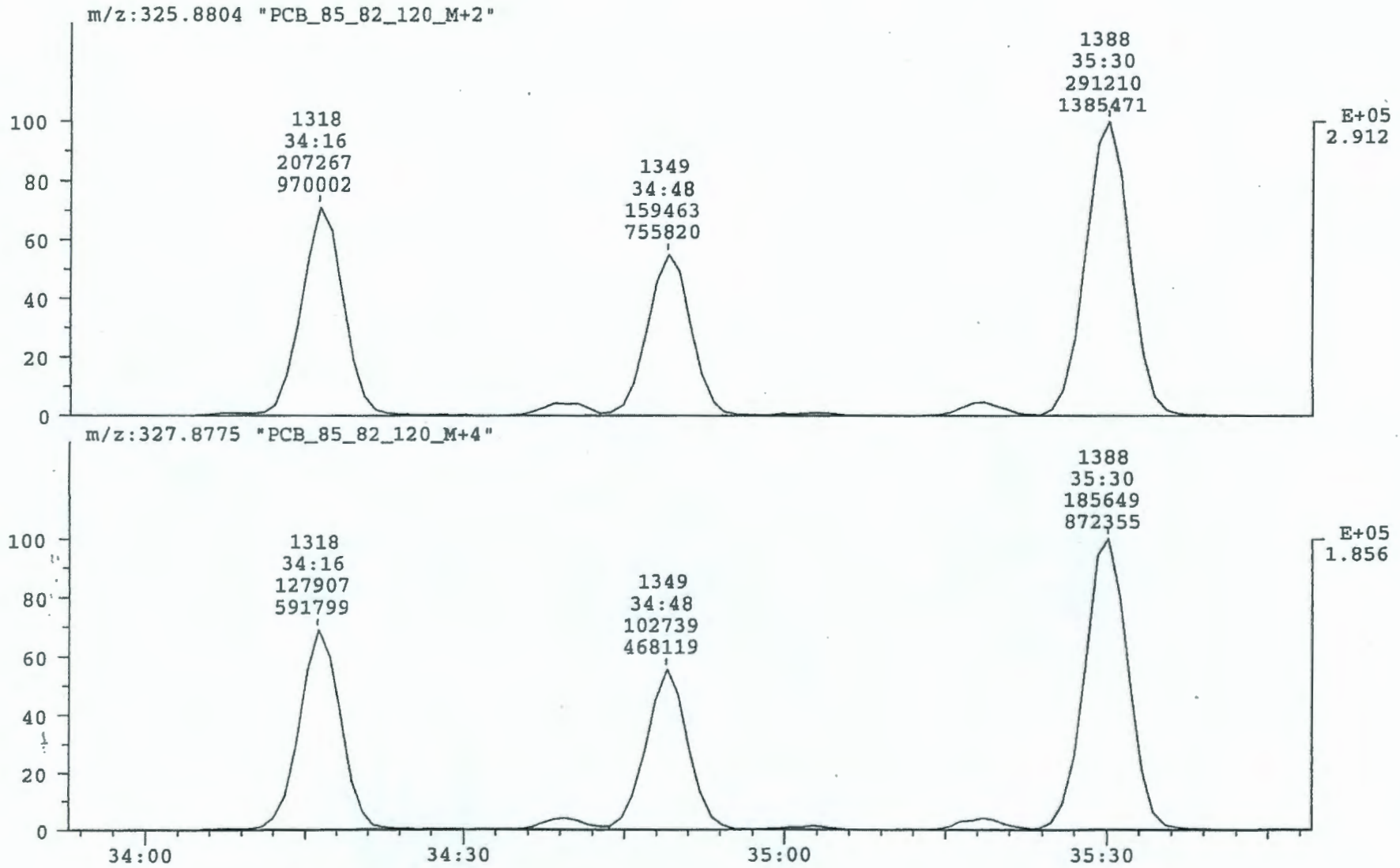
```
CHRO:  a07030712                                07-Mar-07   Elapse:  32:04      1193
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1123 > 1268           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



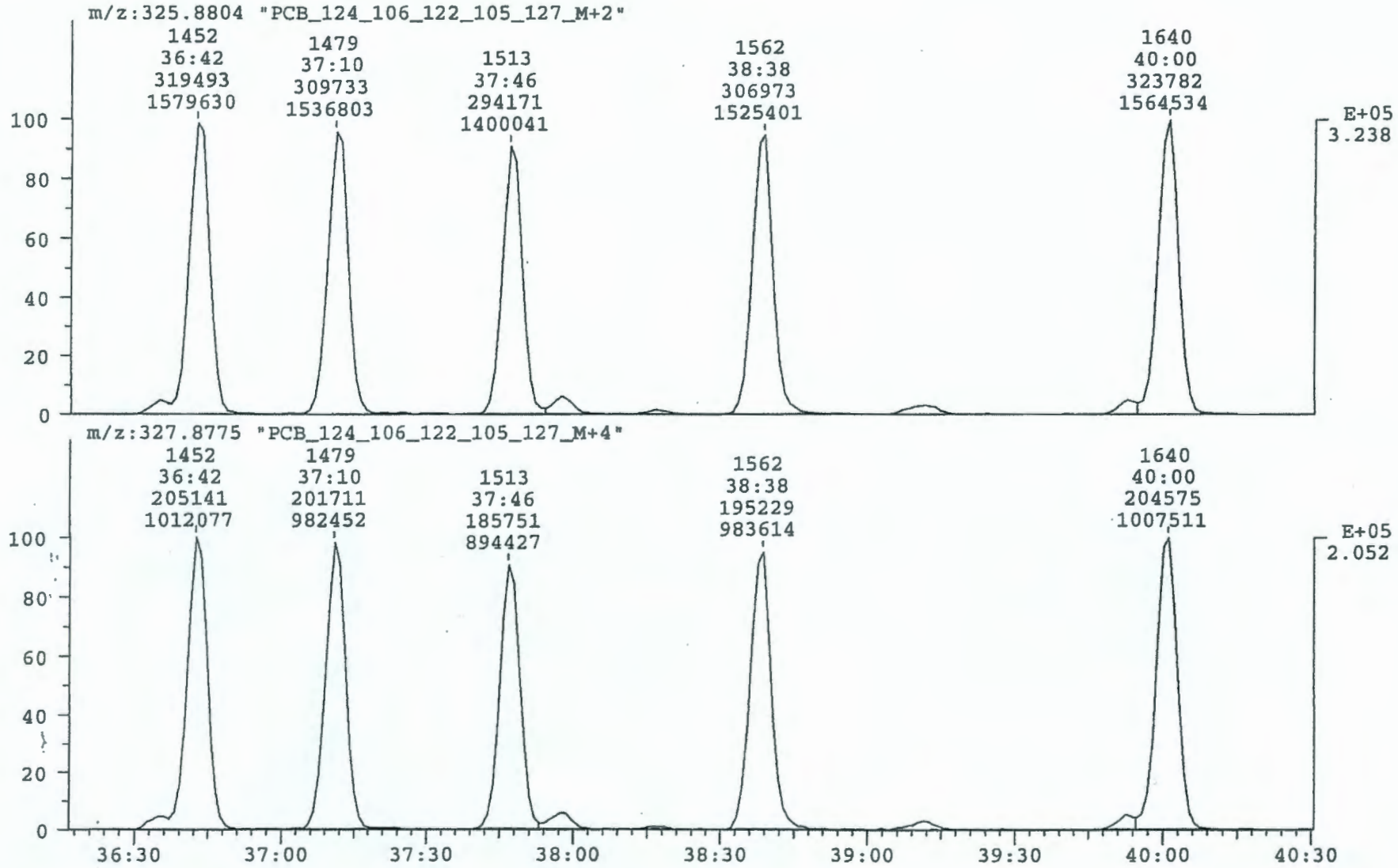
```
CHRO:  a07030712                                07-Mar-07   Elapse:  33:35      1280
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1260 > 1300           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



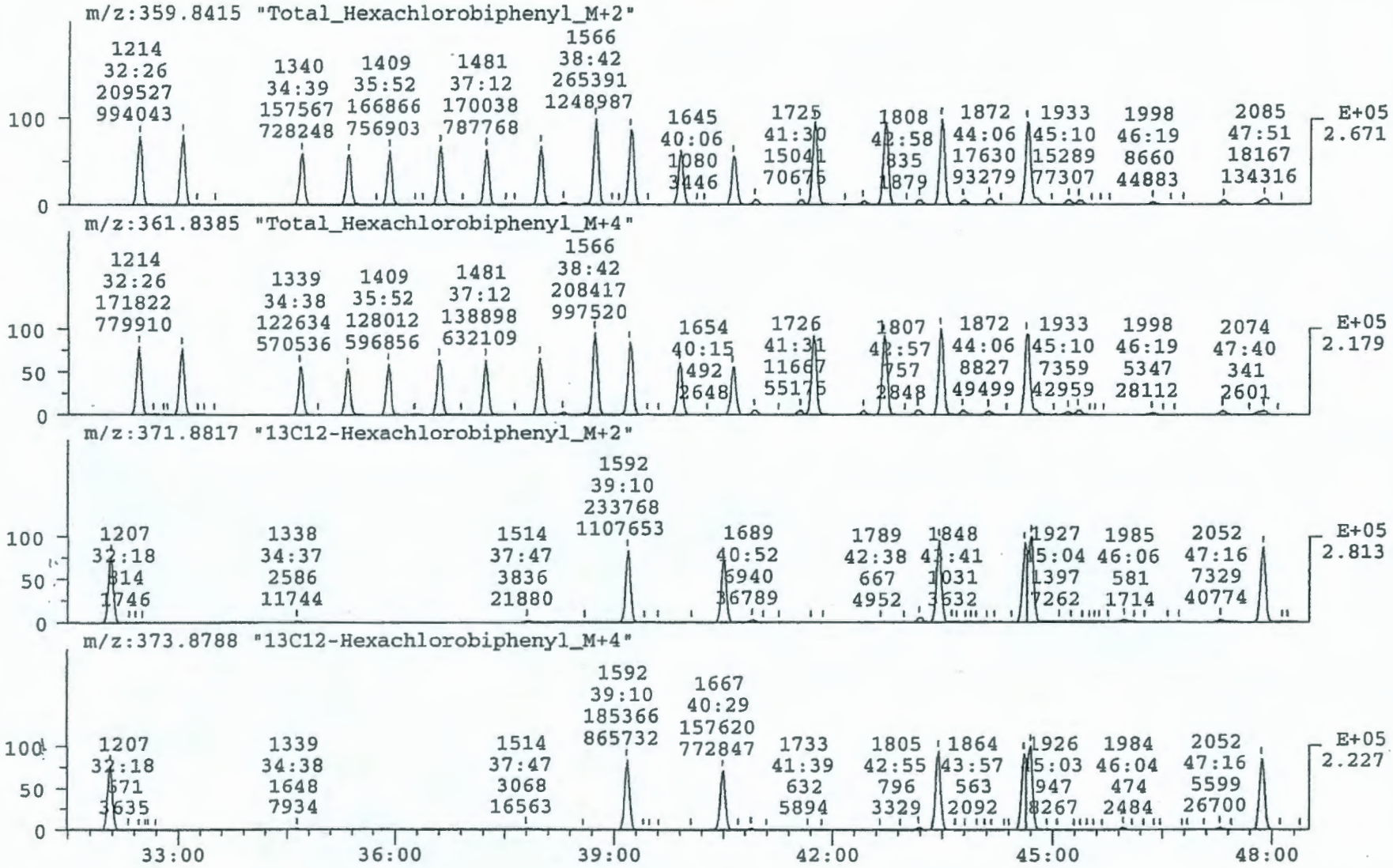
```
CHRO:  a07030712                                07-Mar-07  Elapse:  34:40      1341
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1296 > 1406         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



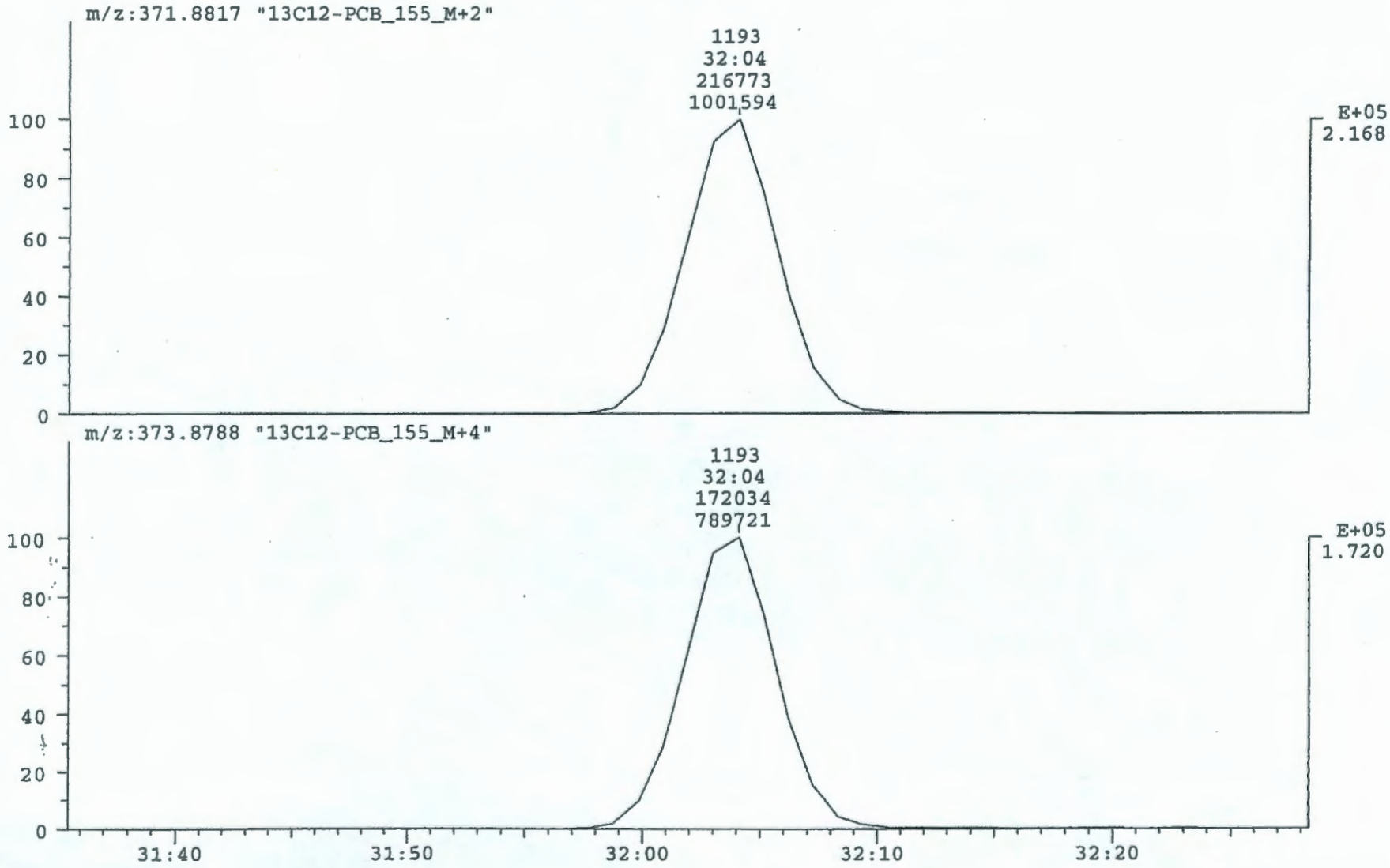
```
CHRO:  a07030712                                07-Mar-07   Elapse:  38:29      1553
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1428 > 1668           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



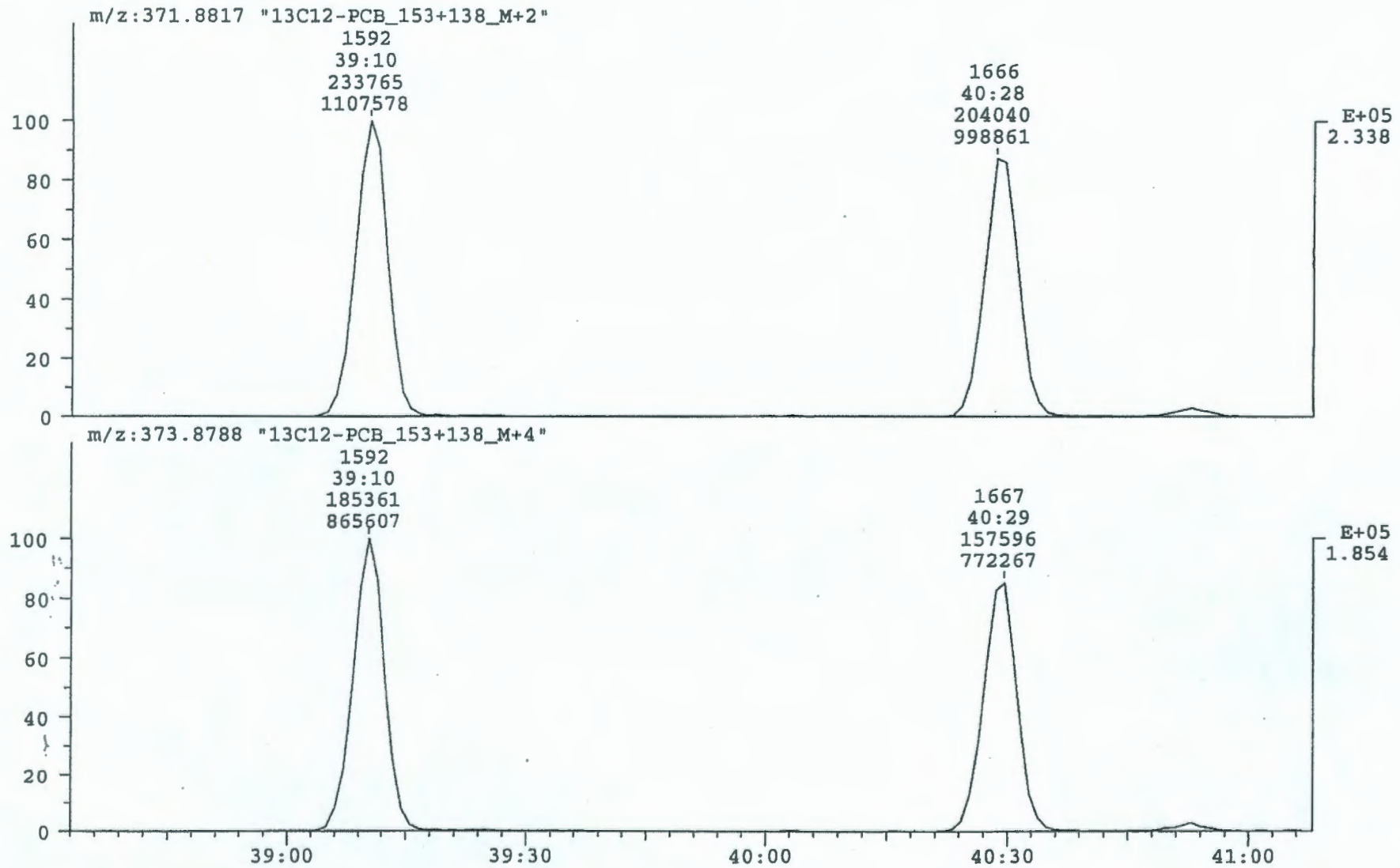
```
CHRO:  a07030712                                07-Mar-07   Elapse:  39:58      1638
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1160 > 2121           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



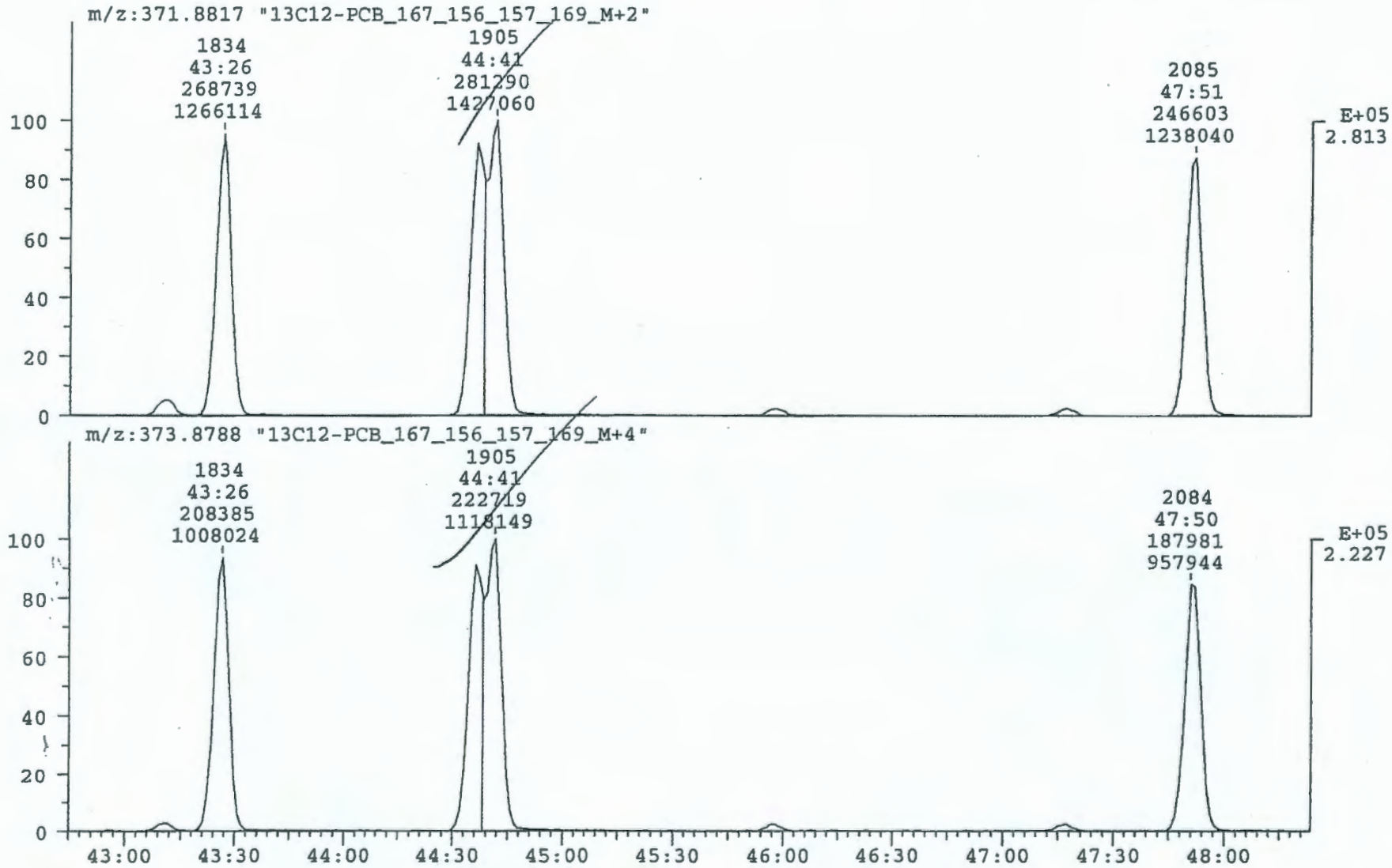
```
CHRO:  a07030712                                07-Mar-07  Elapse:  32:02      1191
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run2
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial   3
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
```



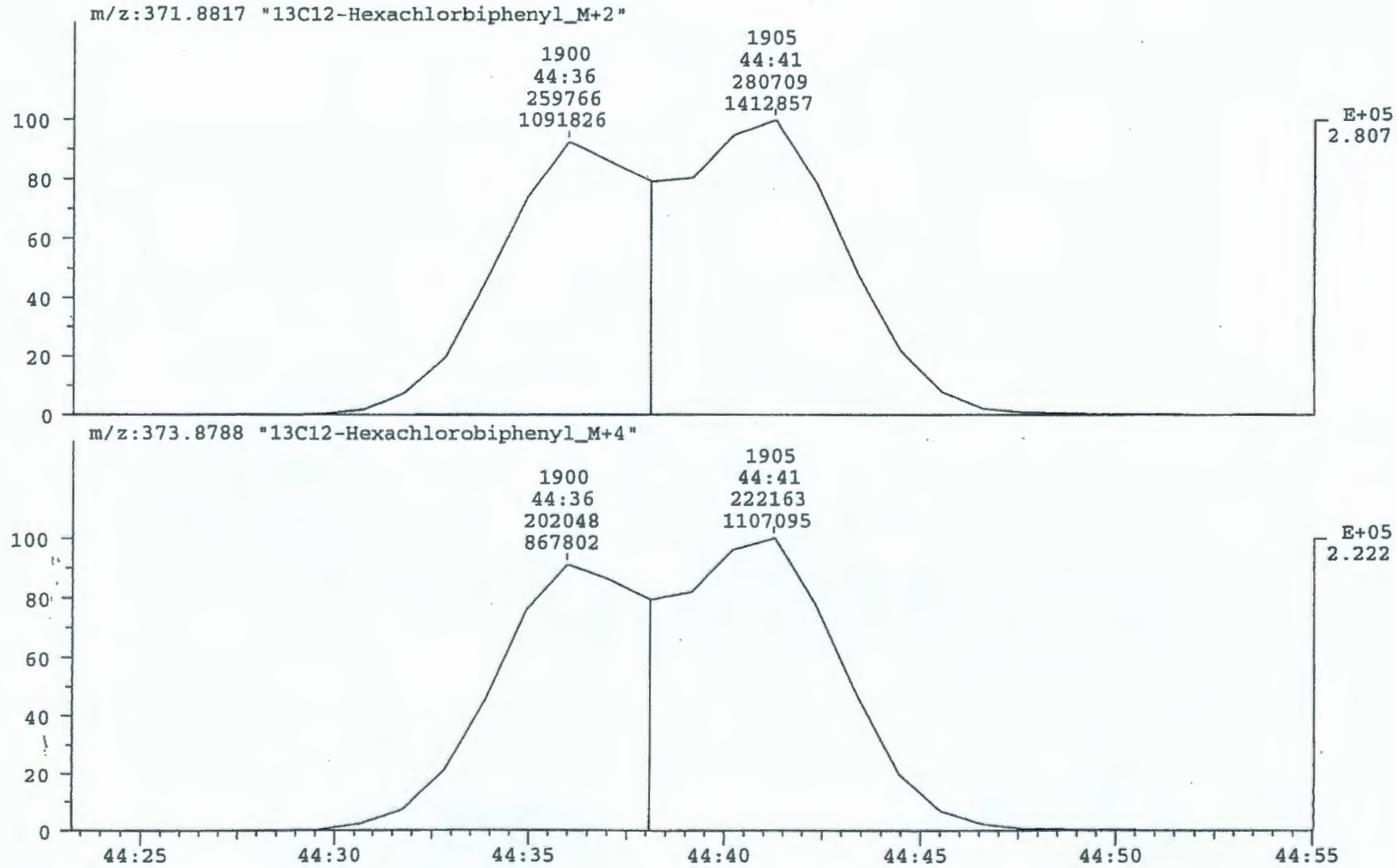
```
CHRO:  a07030712                                07-Mar-07   Elapse:  39:50      1630
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1557 > 1703            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



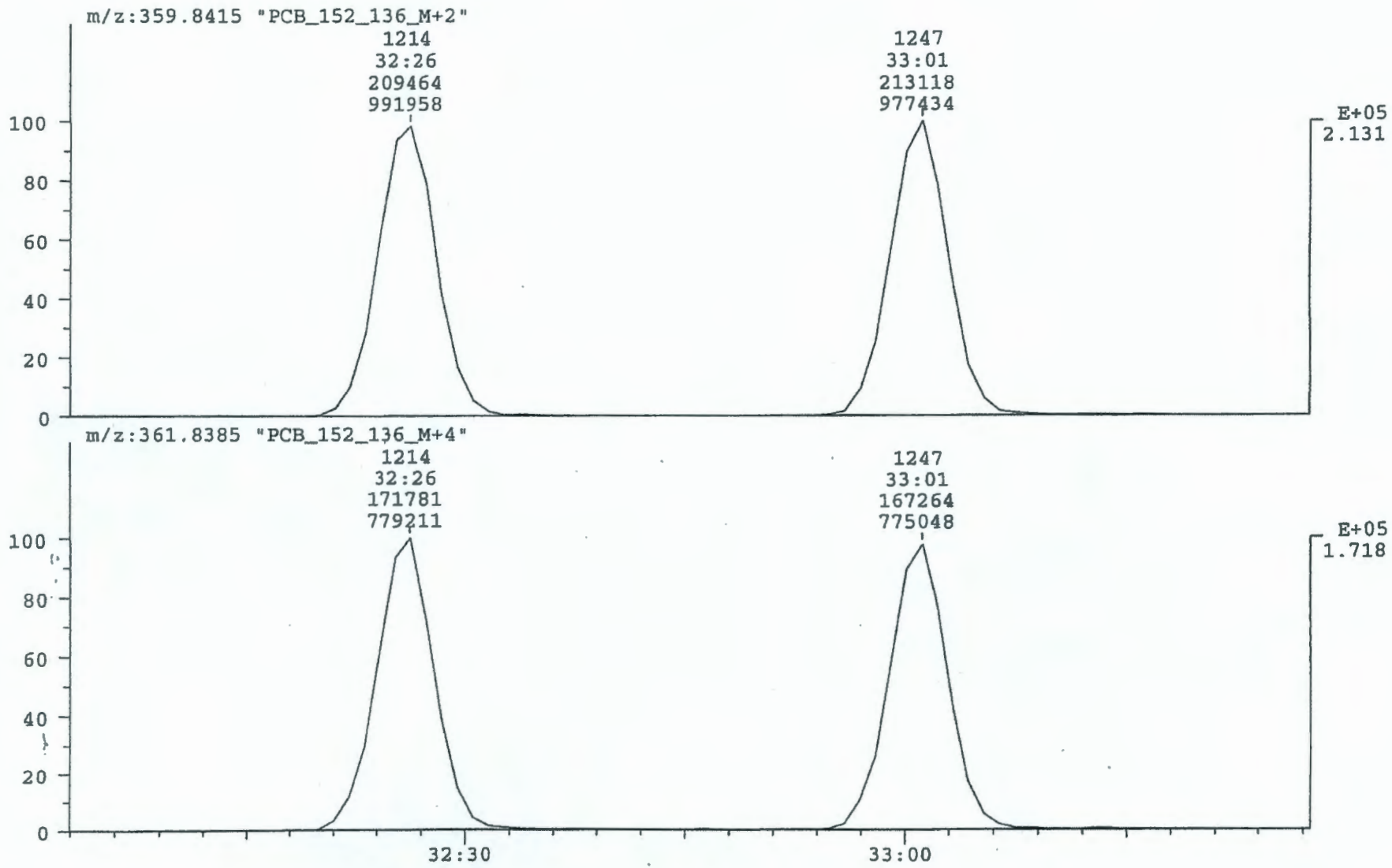
```
CHRO:  a07030712                                07-Mar-07   Elapse:  45:39      1960
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00 ppm       Label wndw:   1795 > 2115           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



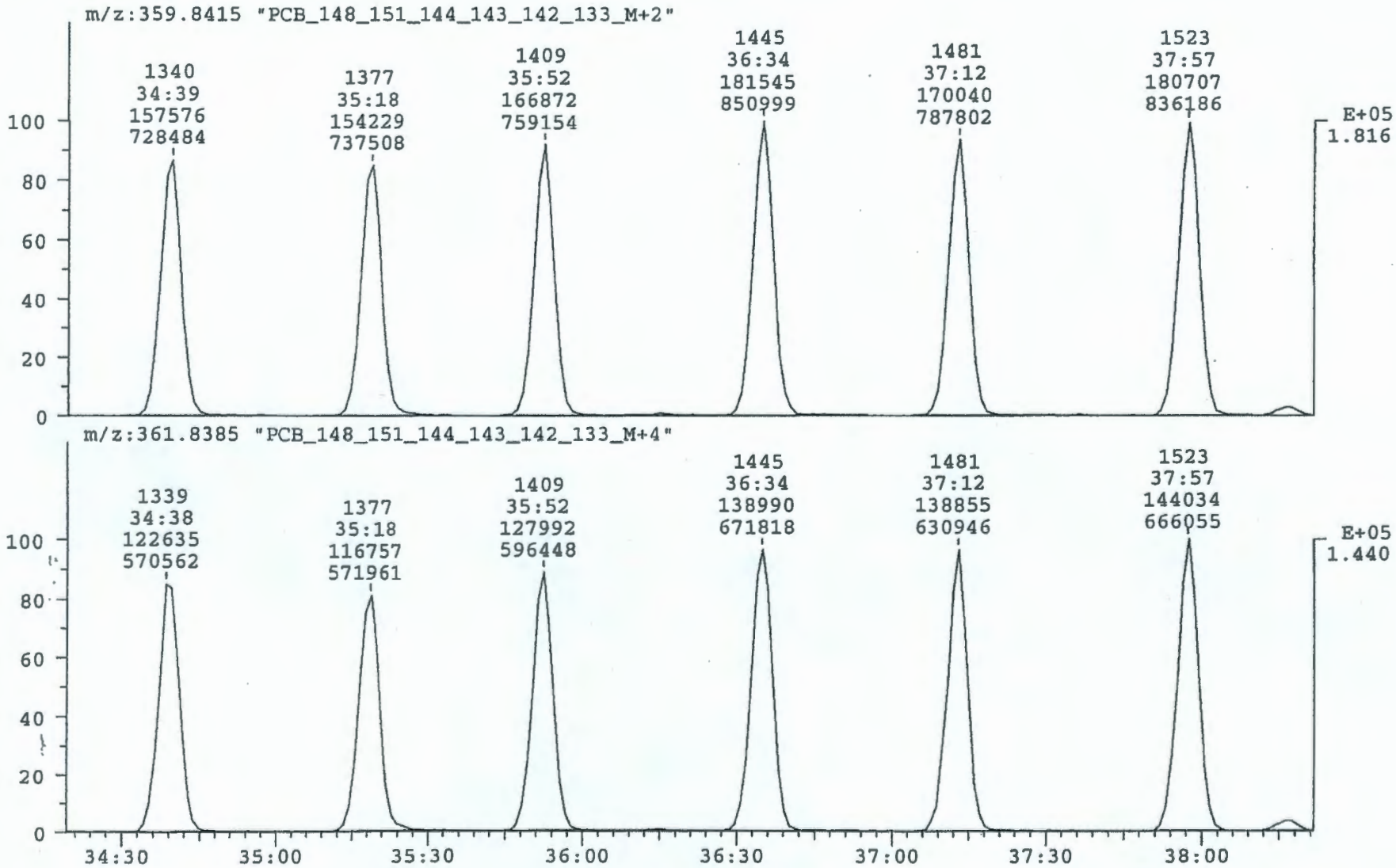
```
CHRO:  a07030712                          07-Mar-07   Elapse:  56:13      2555
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1           Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                      Study :  1668 RT Mix1/Run2
Oper:  DCG          Client:  STL Knoxville            Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1888 > 1918      Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3           Label :  -3, 3.0
Disp:  Height  Area
```



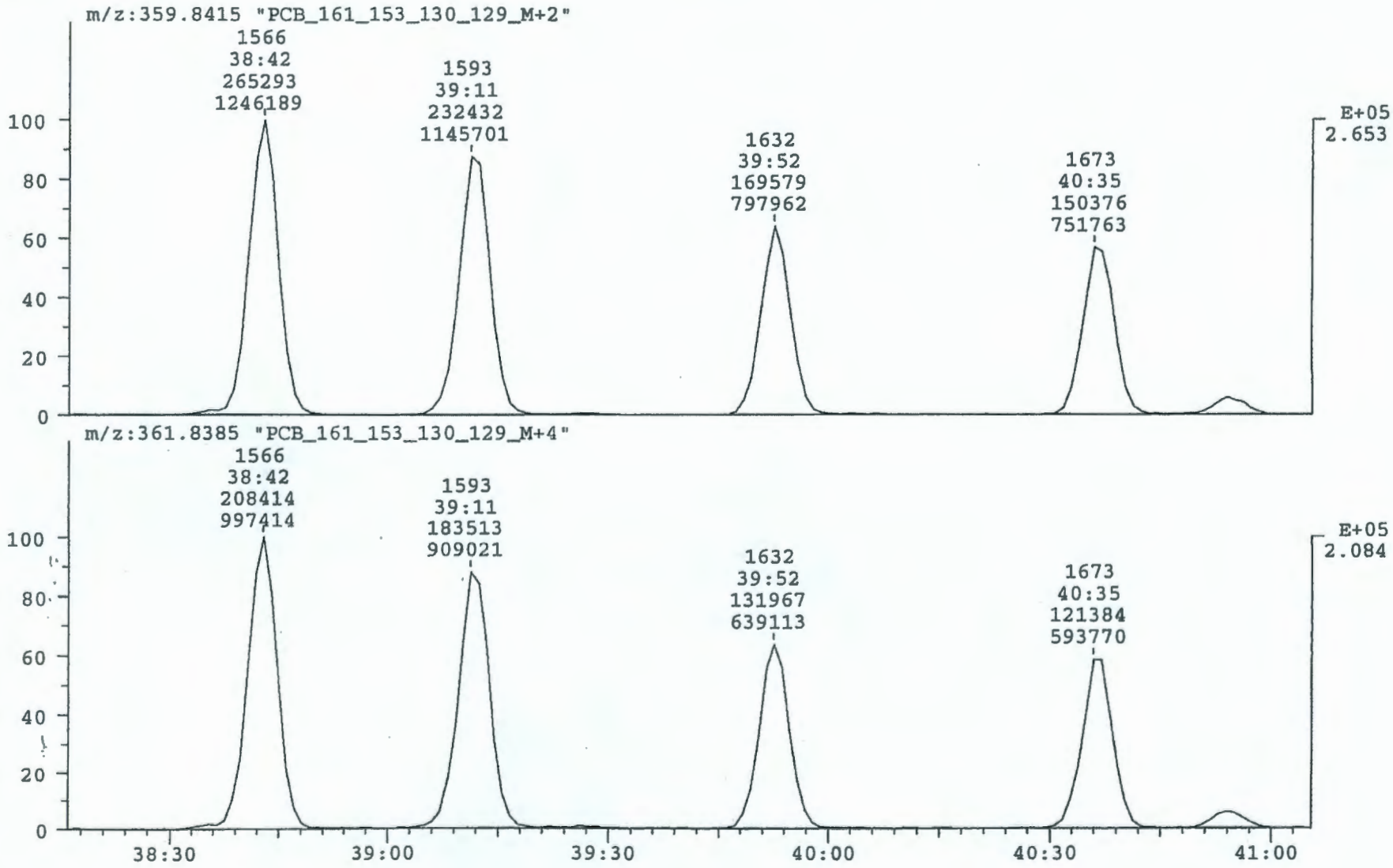
```
CHRO:  a07030712                                07-Mar-07  Elapse:  32:45      1232
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1192 > 1272         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



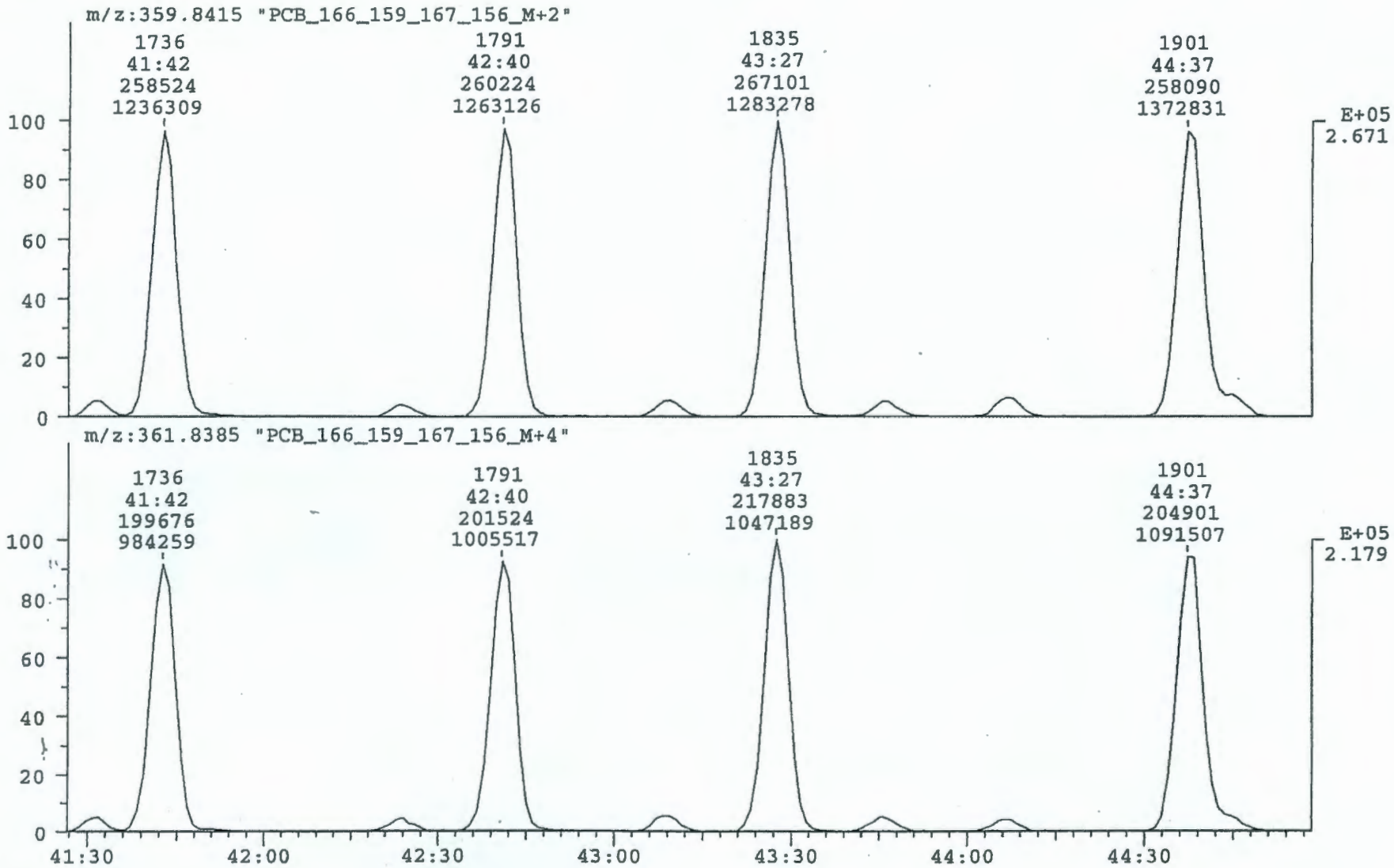
```
CHRO:  a07030712                                07-Mar-07   Elapse:  36:19      1431
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1321 > 1546           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



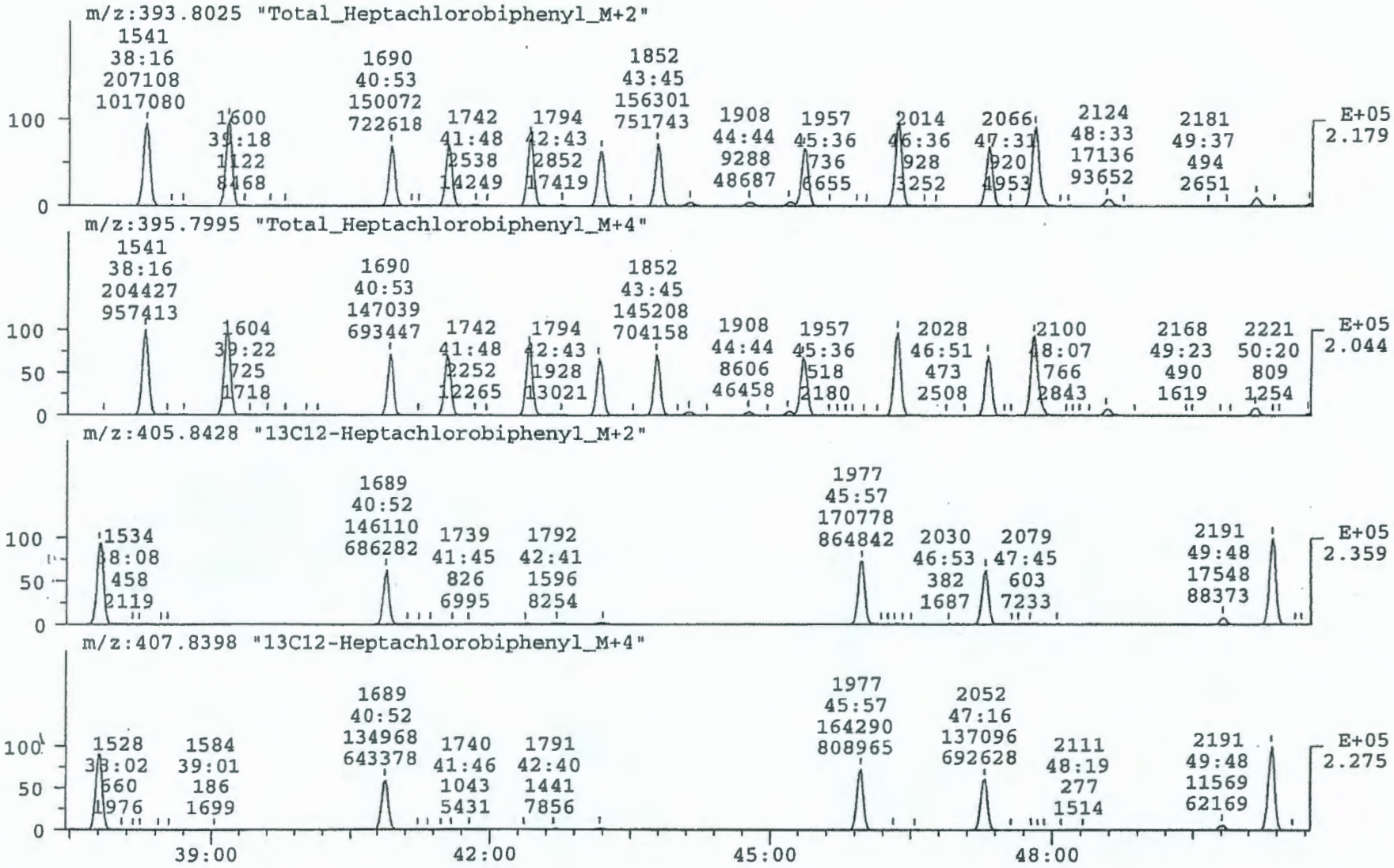
```
CHRO:  a07030712                                07-Mar-07  Elapse:  39:40      1621
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1541 > 1701          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



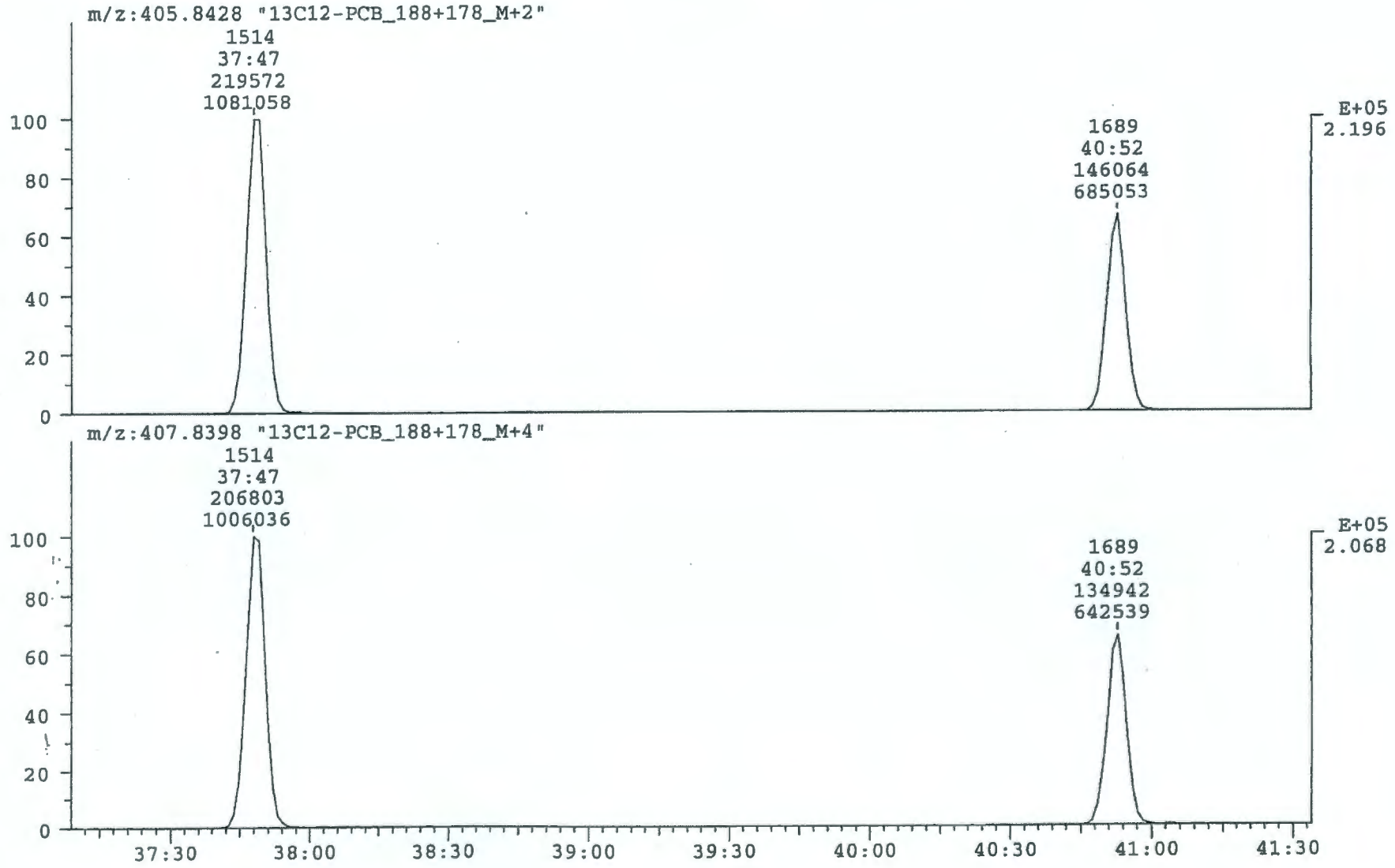
```
CHRO:  a07030712                                07-Mar-07  Elapse:  43:12      1821
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run2
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1721 > 1921          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



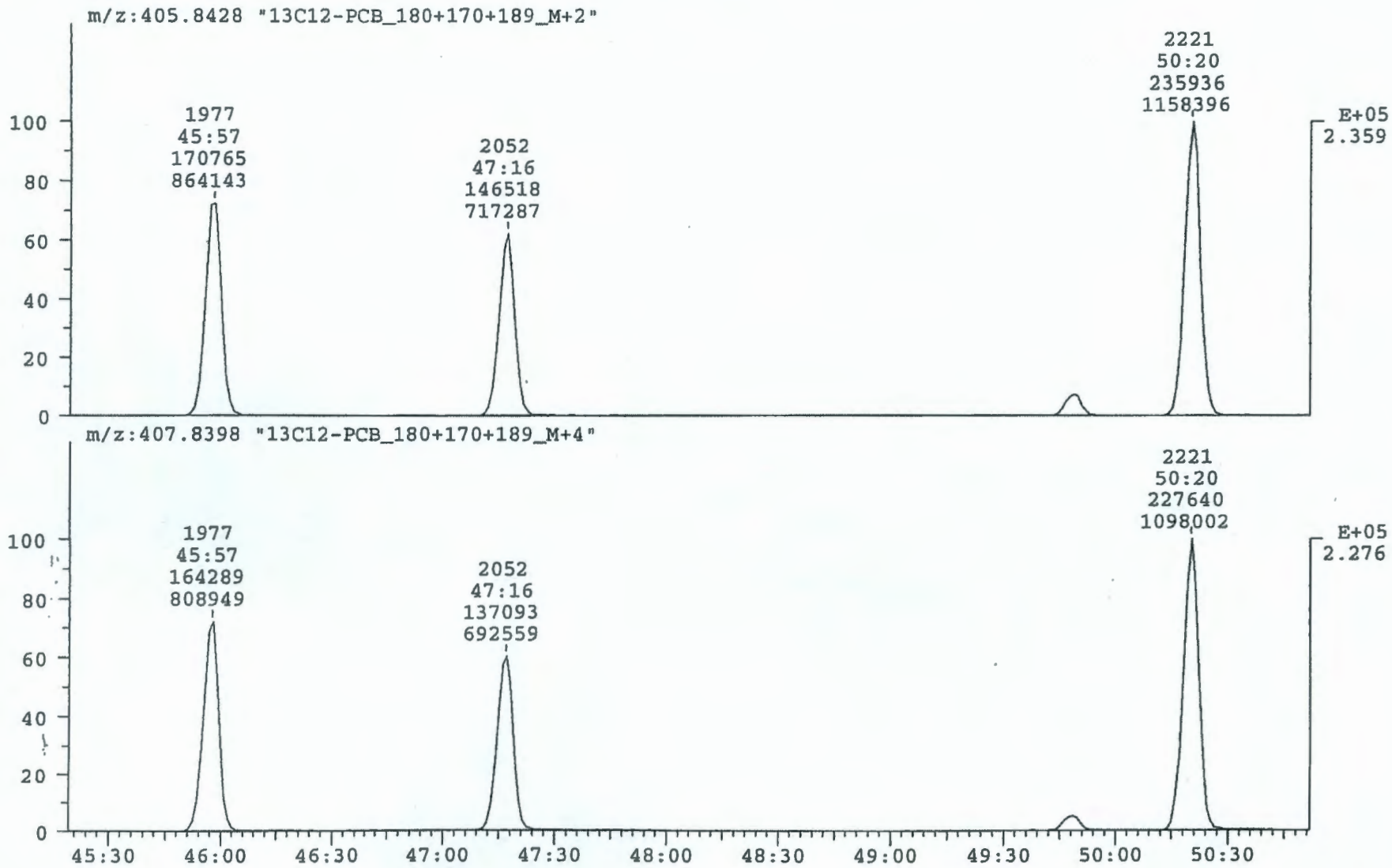
CHRO: a07030712 07-Mar-07 Elapse: 44:06 1872
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 22:12:05 2600
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1494 > 2245 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



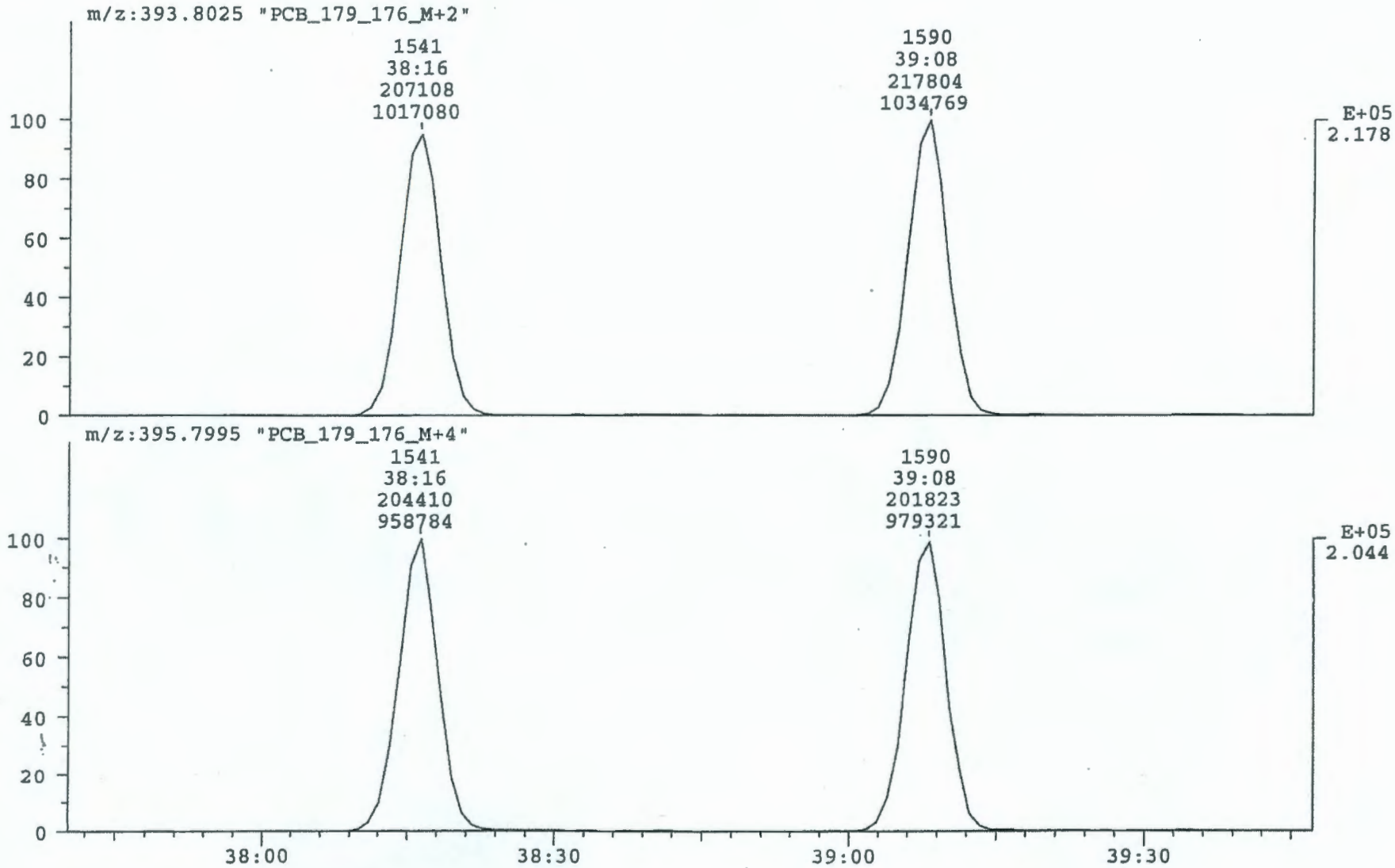
```
CHRO:  a07030712                                07-Mar-07   Elapse:  39:20      1602
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1477 > 1728            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



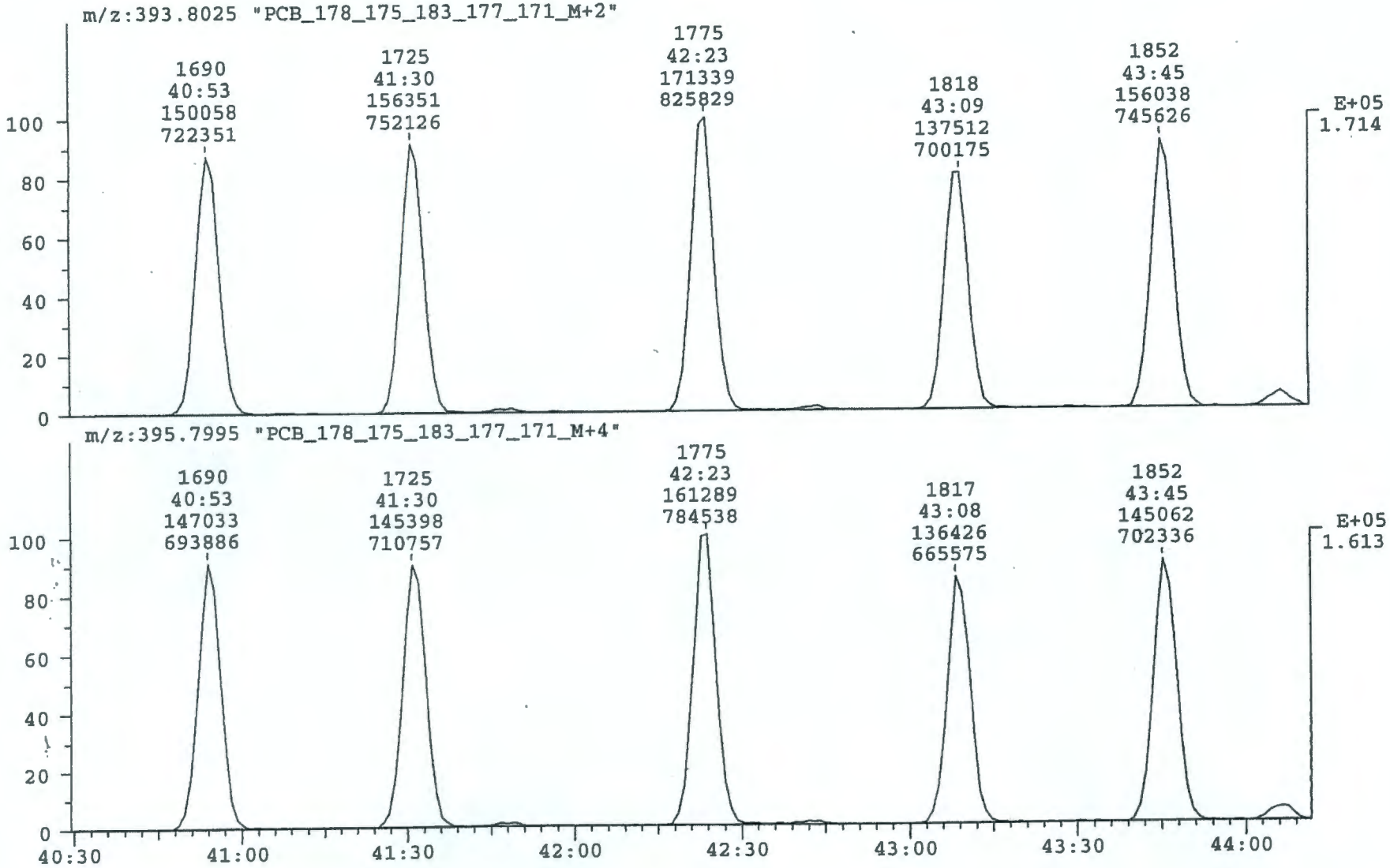
```
CHRO:  a07030712                                07-Mar-07   Elapse:  48:08      2101
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1941 > 2251           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



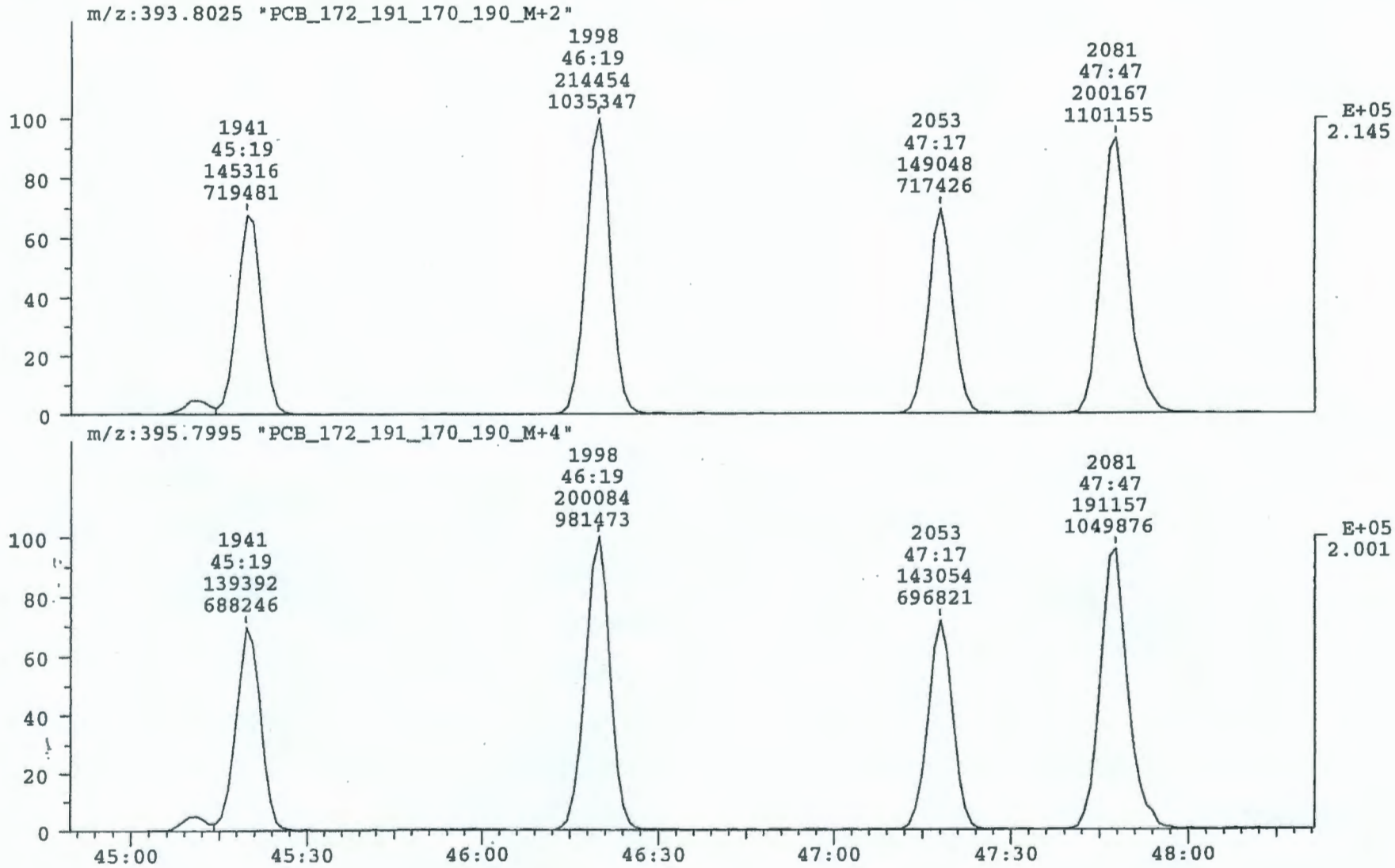
```
CHRO:  a07030712                                07-Mar-07  Elapse:  38:43      1567
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1507 > 1627         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



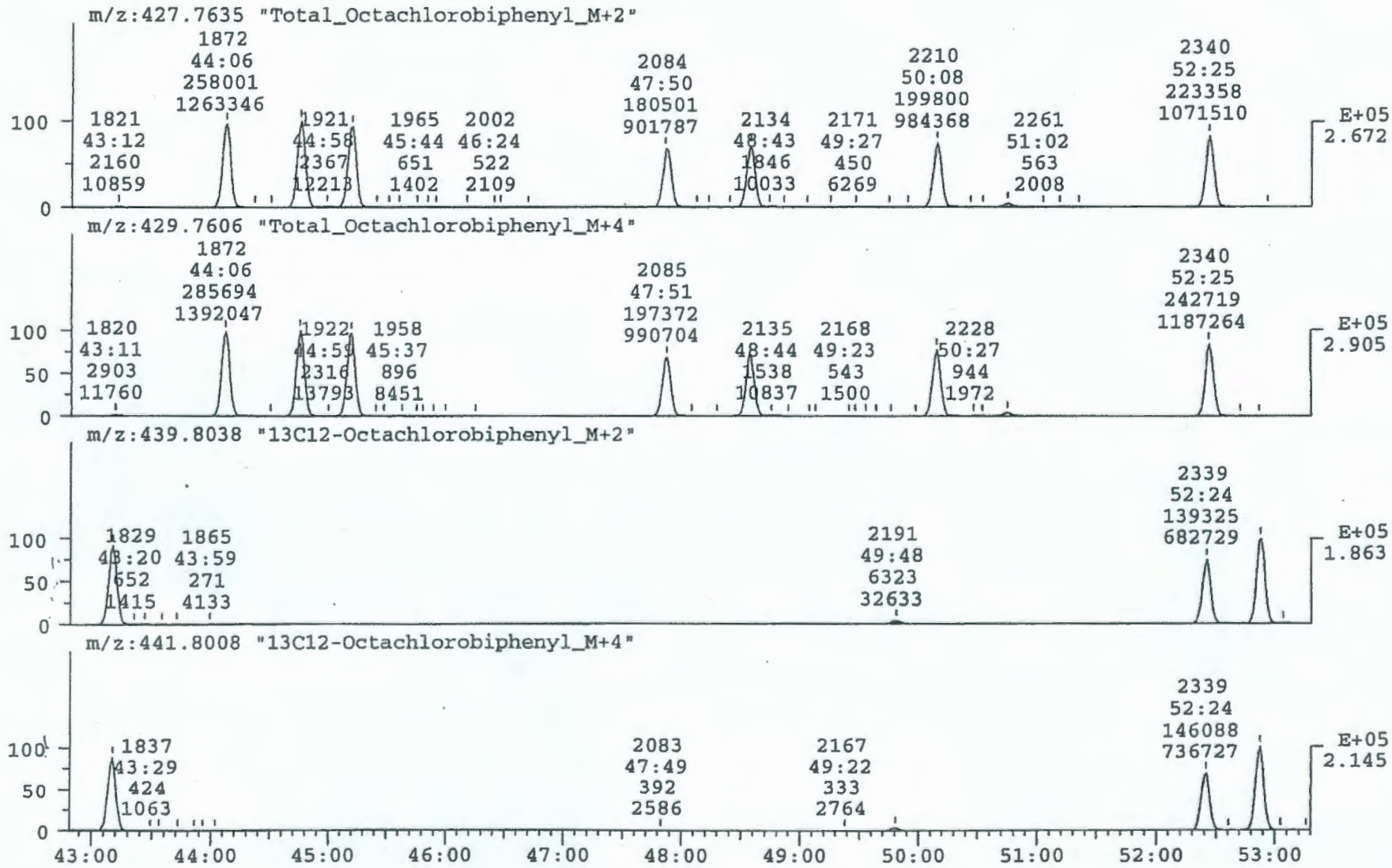
CHRO: a07030712 07-Mar-07 Elapse: 42:20 1772
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 22:12:05 2600
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1667 > 1877 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



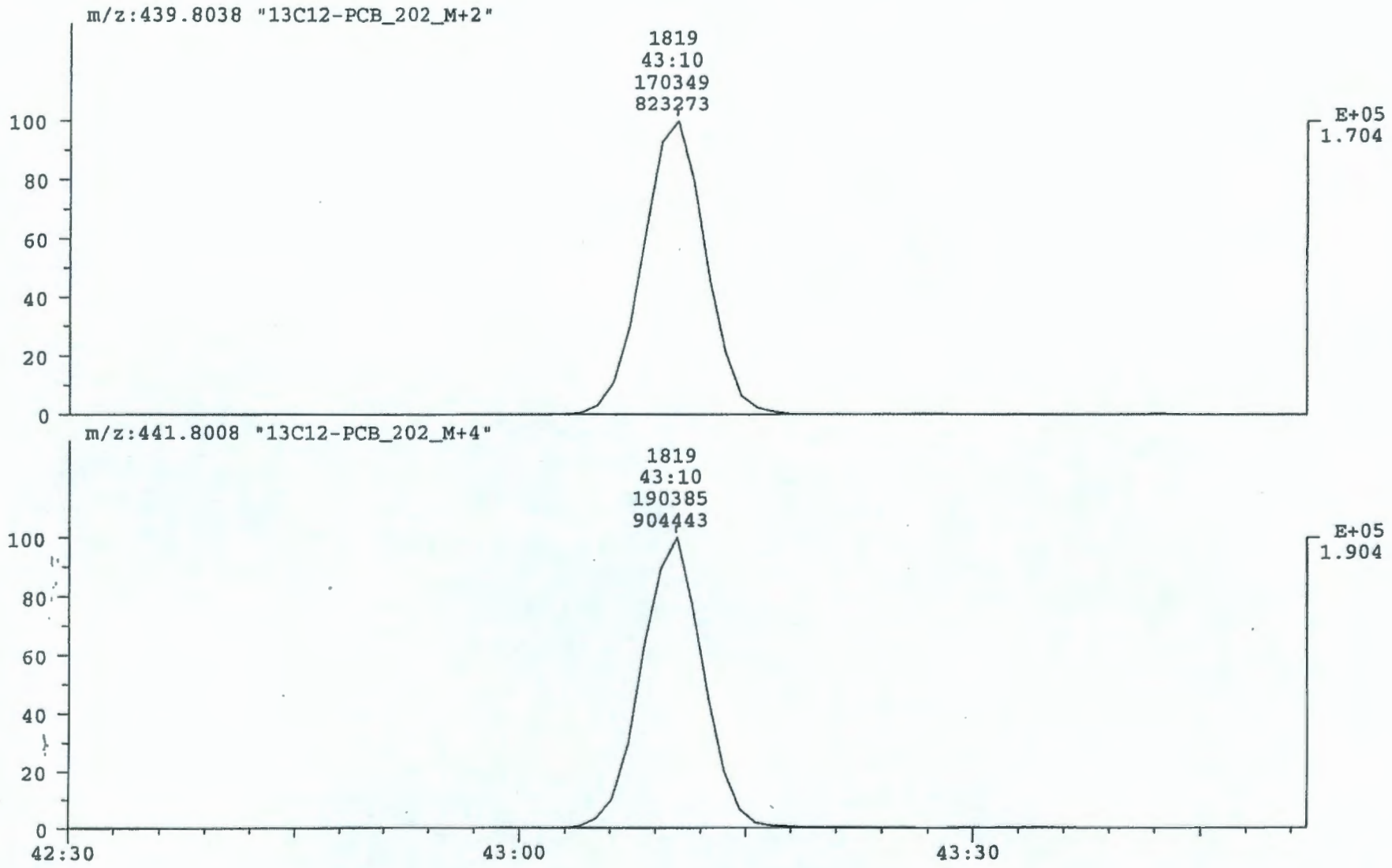
```
CHRO:  a07030712                                07-Mar-07   Elapse:  46:35      2013
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1913 > 2113           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



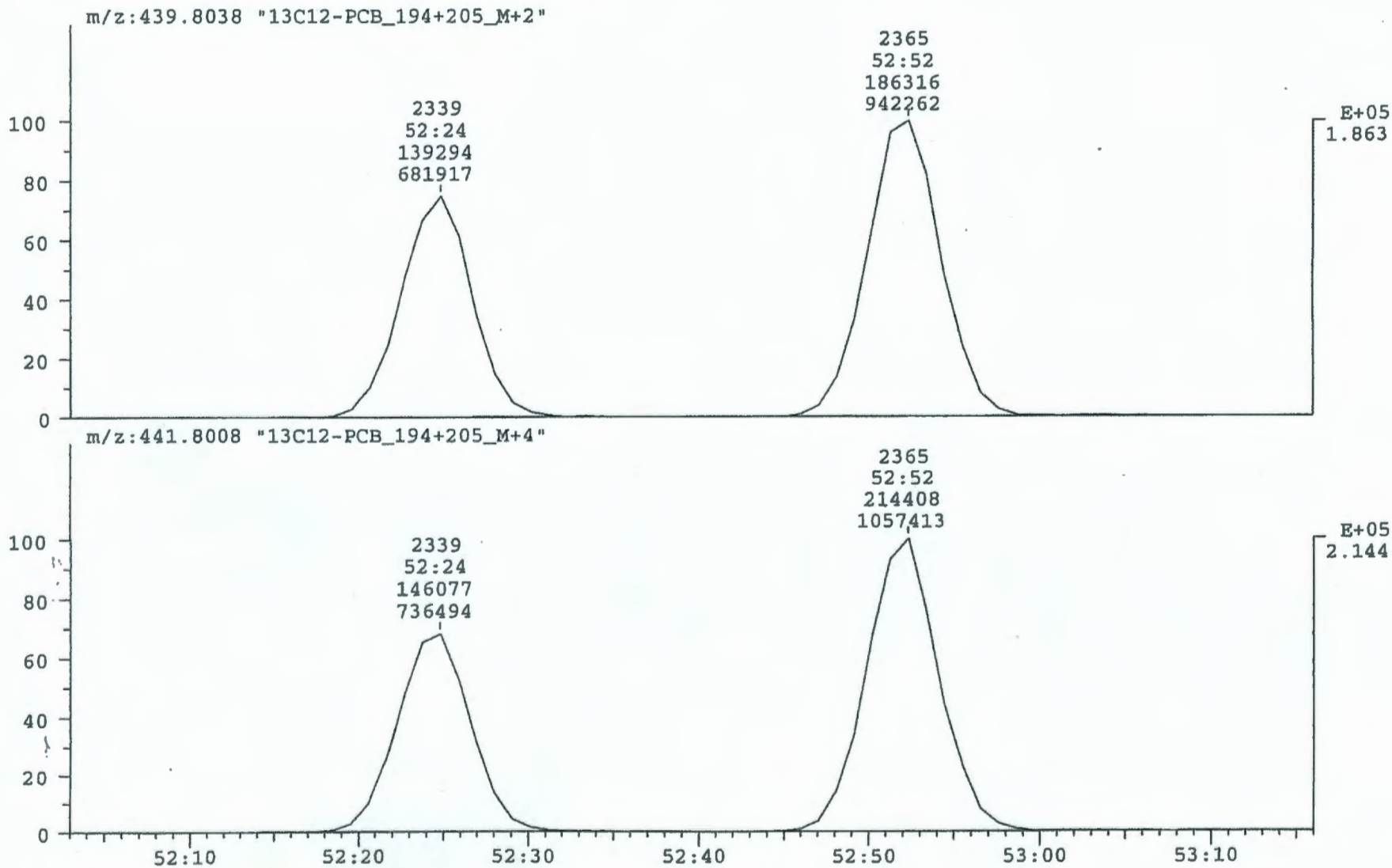
CHRO: a07030712 07-Mar-07 Elapse: 48:03 2096
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 22:12:05 2600
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1799 > 2389 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



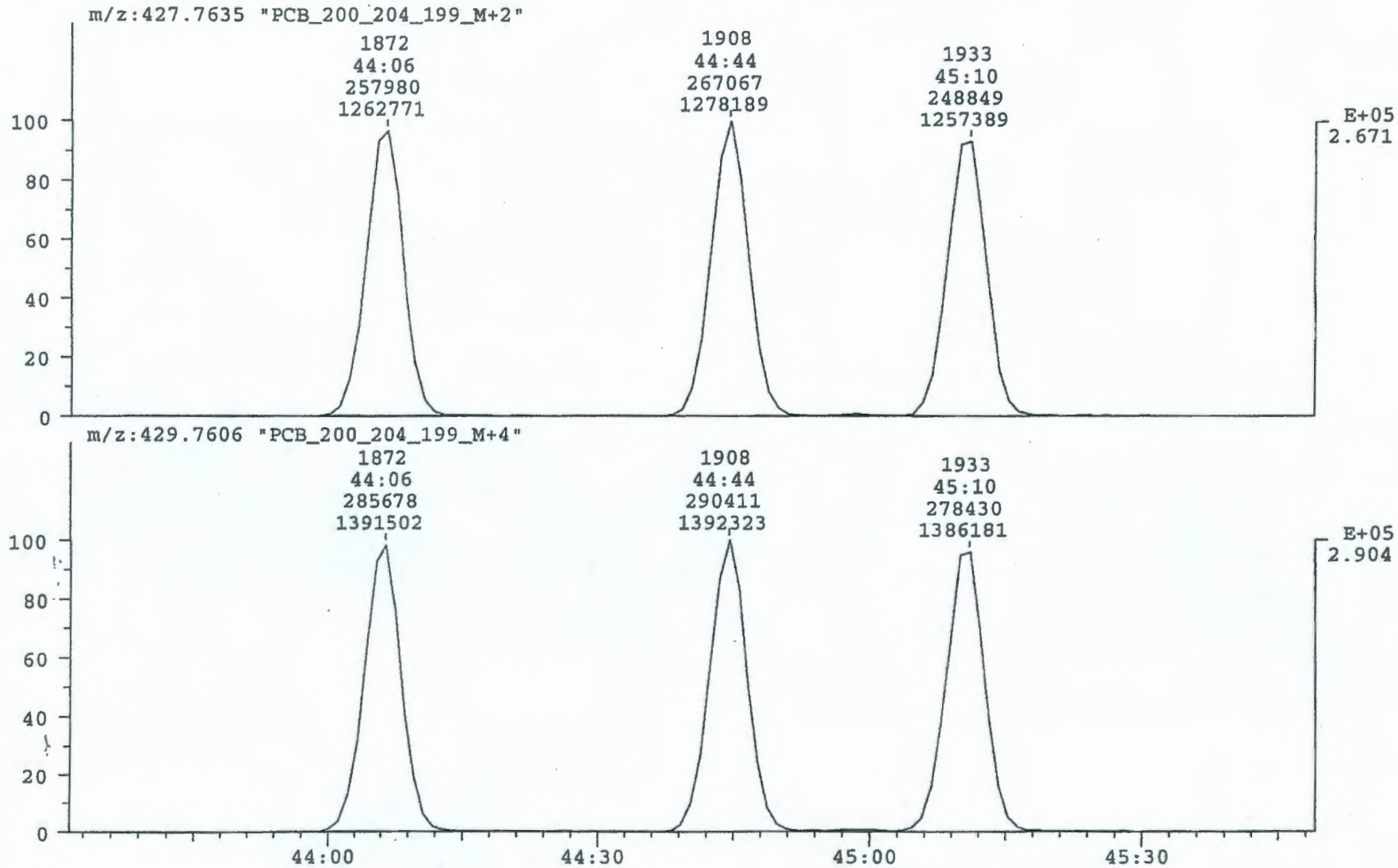
```
CHRO:  a07030712                                07-Mar-07   Elapse:  43:08      1817
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1781 > 1858            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



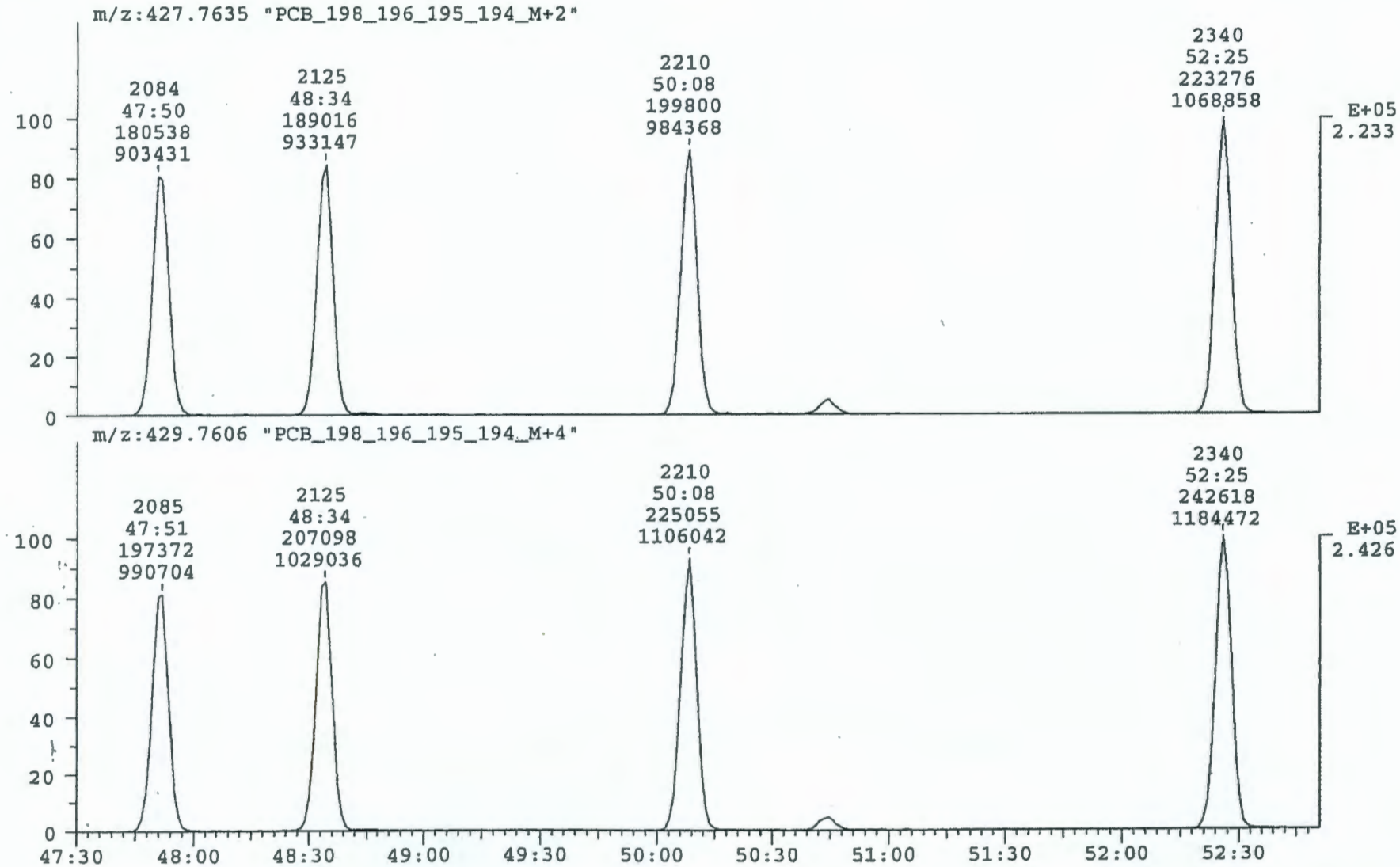
```
CHRO:  a07030712                                07-Mar-07   Elapse:  52:38      2352
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
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
```



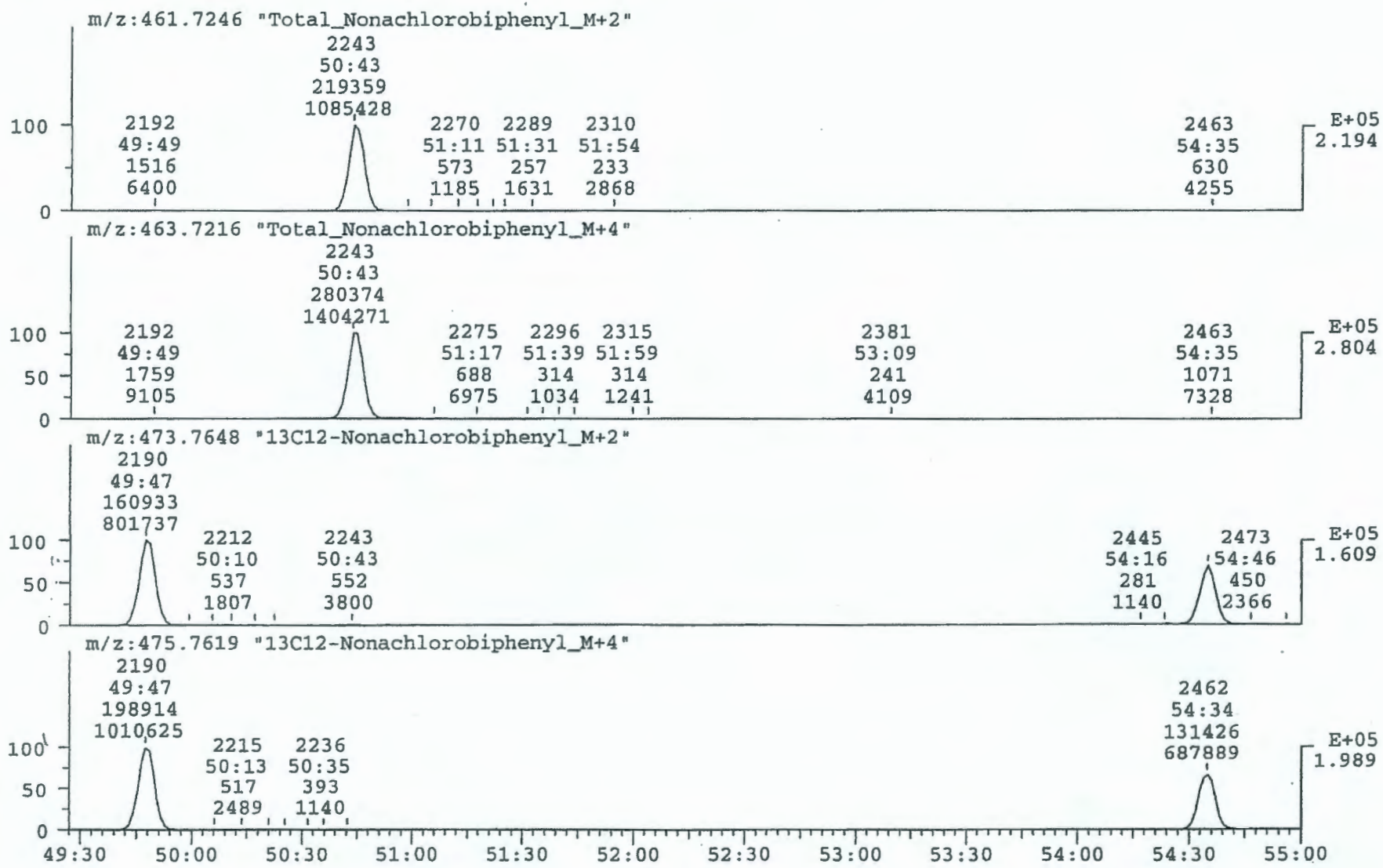
```
CHRO:  a07030712                                07-Mar-07  Elapse:  44:40      1904
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  22:12:05   2600
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1839 > 1969         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



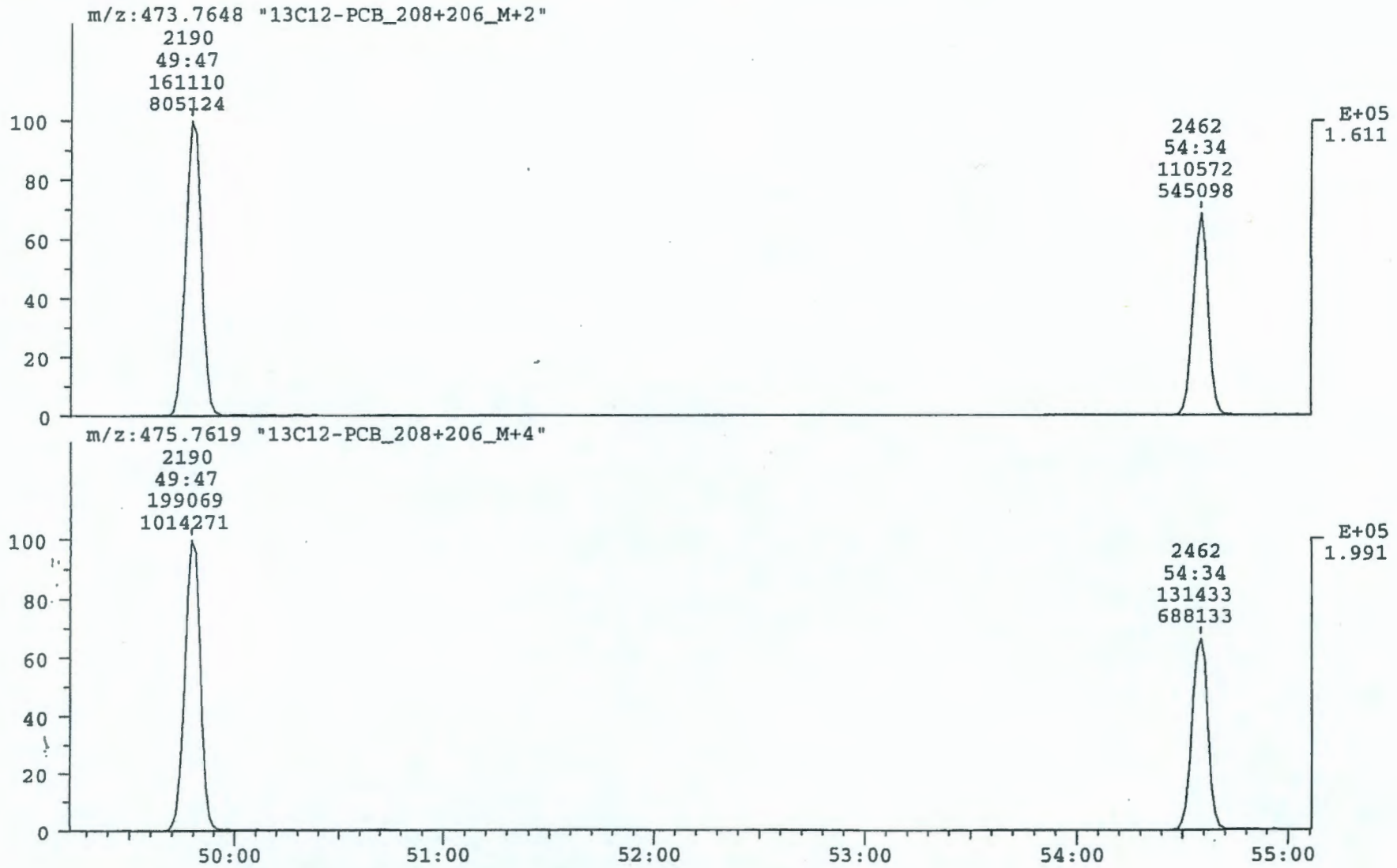
CHRO: a07030712 07-Mar-07 Elapse: 50:10 2212
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 22:12:05 2600
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 2064 > 2364 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



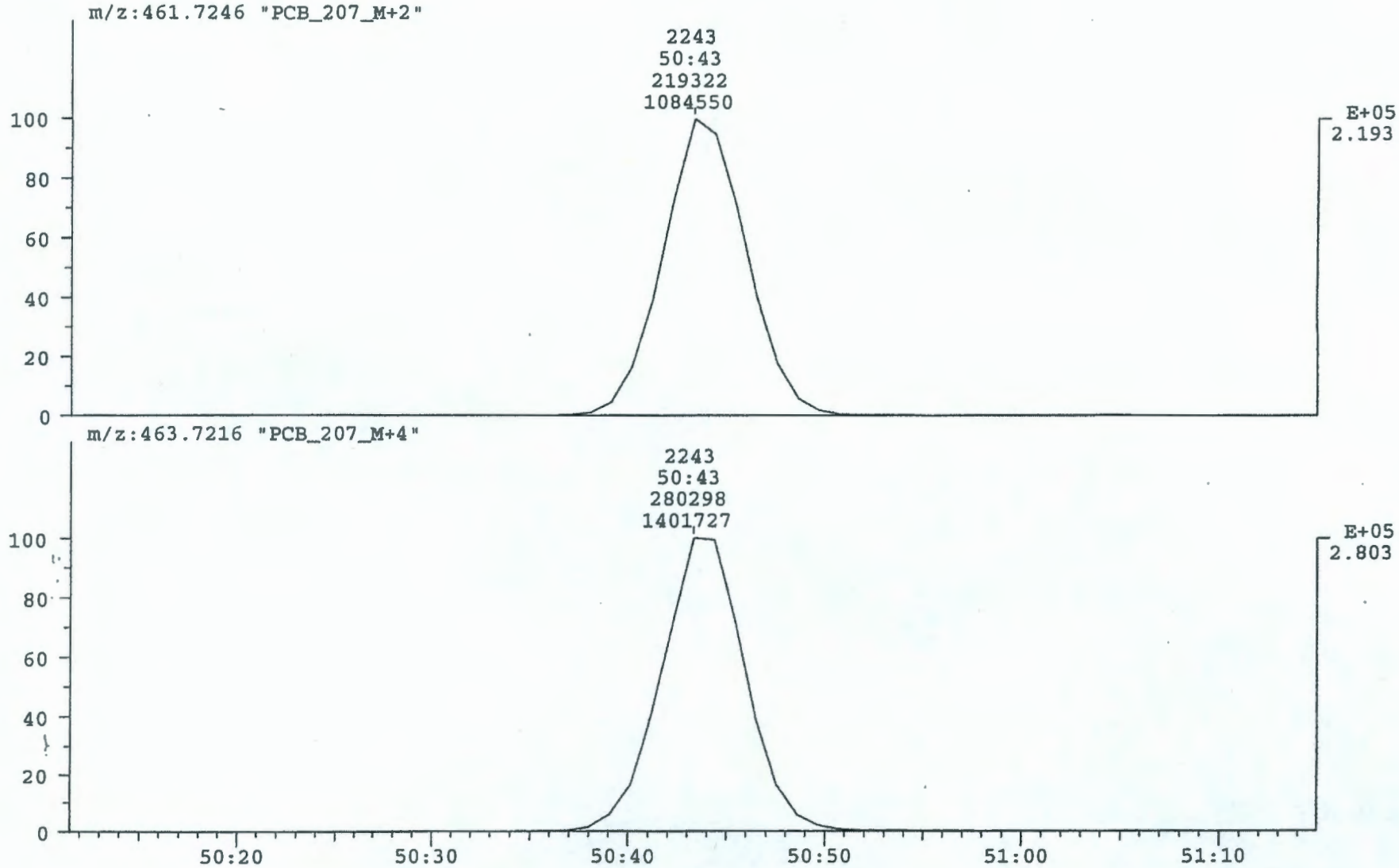
```
CHRO:  a07030712                                07-Mar-07   Elapse:  52:13      2328
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   2171 > 2486           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



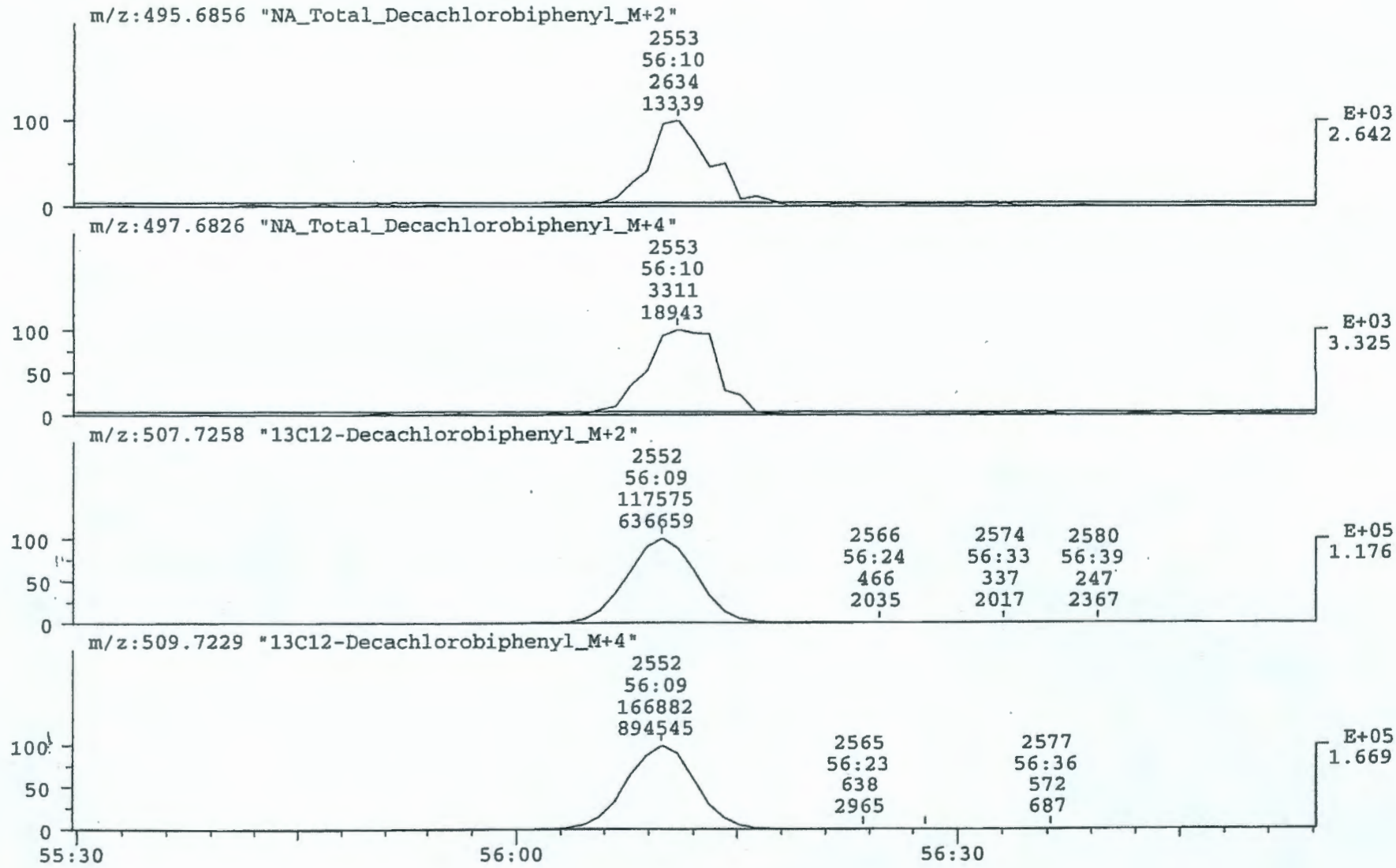
```
CHRO:  a07030712                                07-Mar-07   Elapse:  52:12      2327
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
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:  a07030712                                07-Mar-07   Elapse:  50:43      2243
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   2213 > 2273            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



```
CHRO:  a07030712                                07-Mar-07   Elapse:  56:11      2554
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  22:12:05   2600
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:  2514 > 2594            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :  100, 3                 Label :  -3, 3.0
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: a07030712
Study: 1668 RT Mix1/Run2
Sample: WO=2990:75Mix1 Meth=IE3 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: STL Knoxville
Comments: Inst=m1d/137819-2 Batch=20070307s1 Ccal=20050801i
Injected volume: 2.00
Sample from Vial 3
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 6 of list 070307
ICL procedure: sleep7x
MID procedure: epa1668n

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 | 22:01 min | 14:03 min | 36:04 min | 1.00 sec |
| # 3 | 36:05 min | 13:10 min | 49:15 min | 1.00 sec |
| # 4 | 49:16 min | 7:44 min | 57:00 min | 1.00 sec |

Mid Masses:
Window # 1

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

Window # 2

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

Window # 3

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

Window # 4

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

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

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

GC descriptor : epa1668n

| | | | |
|---|---|---|---|
| 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 | 1032.2528 |
| 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 | -18.7750 |
| DRAWC | 1.0000 | DRAWS | 0.0050 | ECORR | 0.9999 |
| ECURR | 1.0000 | EDAC | 7969177.0000 | EDACG | 0.9999 |
| EDACR | 23.0000 | EDACZ | 1160.0000 | ELEN | 67.4250 |
| EMULT | 1.5500 | ENS | 180.0000 | ERATIO | 1.0000 |
| ESA | 763.8000 | ESICUR | 10.0011 | ESIPAR | 0.0000 |
| EXS | 144.0000 | FDMA | 18000000.0000 | FLENS | 1.0000 |
| FM | 20.0000 | FMII | 50.0000 | FQUAD | 0.0000 |
| FREQ | 300.4808 | FSLOPE | 54000000.0000 | FVANAL | 265.0000 |
| FVINLET | 247.0000 | FVSRC | 836.0000 | FWIN | 0.7000 |
| GCTC | 202.0000 | GCTI | 270.0000 | GCTL | 280.0000 |
| HACCU | 208.0000 | HCURR | 1.3137 | HVANAL | 1303.0000 |
| HVSRC | 0.0000 | ICAL0 | 0.0011 | ICAL1 | 0.4030 |
| ICAL2 | 0.5865 | IONEN | 4771.6680 | 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 | 1800.0000 | LENSS | 21.0000 |
| LKM | 404.9760 | LM | 800.0000 | LMASS | 180.4888 |
| LMII | 500.0000 | MASS | 180.4888 | MDAC | 2346712.5794 |

| | | | | | |
|---|---|---|---|---|---|
| MDACR | 23.0000 | MRANGE | 1032.2528 | MSFM | 2.0000 |
| MSLM | 3790.0000 | NPEAK | 1.0000 | NSAM | 100.0000 |
| NSCAN | 2607.0000 | NSMAX | 8.0000 | NSMIN | 2.0000 |
| OCT | -2.0000 | PSAM | 10.0000 | PUSHER | -10.0000 |
| RDRAW | 0.0000 | RDRAWC | 0.0000 | RECURR | 0.0000 |
| RELEN | 0.0000 | RES | 10314.6723 | RFAMP | 799.9987 |
| RFCUR | 100.0110 | RPUSHER | 0.0000 | RWIN | 2.0000 |
| SACCU | 3.0000 | SCIDLE | 1.0000 | SHIELD | 2918.0000 |
| SHIELDS | 0.0000 | SHIGH | 180.0000 | SKIM | 7.0000 |
| SLOW | 60.0000 | SPRAY | 8.0000 | SS | 3.0000 |
| SW | 0.0500 | TANAL | 420.7700 | TCURR | 0.7422 |
| 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 | 2.1750 | USERVAR | 0.0000 | VAPTEMP | 599.9997 |
| VAPTSET | 400.0000 | VMASS | 180.4888 | XLENS | 2000.0000 |
| XLENSS | -34.8000 | YLENS | 2600.0000 | YLENSS | -24.8000 |

Scantype is electric
Sourcemode is EI POS

Analysis started at: 07-Mar-07 22:12:05.2

Autosampler has injected sample from vial 3
MID Time Window 1: Resolution is 8226
MID Time Window 2: Resolution is 8406
MID Time Window 3: Resolution is 9024
MID Time Window 4: Resolution is 9642
Analysis stopped at: 07-Mar-07 23:09:07.8 (run time 57.02 minutes)
Analysis stopped because MID run finished

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX1 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030713. | Prep Date | | SDG No | |
| Analysis ID | 96241 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 03:20 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | | | | | 188.0393 | 190.0363 | 188.0393 | 190.0363 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 143 | 193 | 57 | 77 | 0.74 * | / | |
| | PCB 2 (BZ) | 14:15 | 00:00 | 0 | 1256749 | 399655 | 436074 | 140028 | 3.14 | AVV/ABV | |
| 200 | | | | | 200.0795 | 202.0766 | 200.0795 | 202.0766 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 213 | 298 | 85 | 119 | 0.71 * | / | |
| | 13C12-PCB 1 | 12:12 | 00:00 | 0 | 2401746 | 758662 | 962229 | 311576 | 3.17 | AVV/AVV | |
| | 13C12-PCB 3 | 14:25 | 00:00 | 0 | 2399485 | 741180 | 821032 | 259615 | 3.24 | ABV/ABV | |
| 222 | | | | | 222.0003 | 223.9974 | 222.0003 | 223.9974 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 278 | 425 | 111 | 170 | 0.65 * | / | |
| | PCB 10 (BZ) | 14:53 | 00:00 | 0 | 860331 | 551806 | 292529 | 183054 | 1.56 | AVV/ABB | |
| | PCB 9 (BZ) | 16:41 | 00:00 | 0 | 905663 | 569104 | 268843 | 169478 | 1.59 | ABV/ABV | |
| | PCB 6 (BZ) | 17:07 | 00:00 | 0 | 882208 | 548999 | 247904 | 154744 | 1.61 | AVV/AVB | |
| | PCB 8 (BZ) | 17:34 | 00:00 | 0 | 941290 | 591023 | 271870 | 173416 | 1.59 | AVV/ABV | |
| | PCB 14 (BZ) | 19:09 | 00:00 | 0 | 919714 | 587216 | 246741 | 151480 | 1.57 | AVV/AVV | D |
| | PCB 11 (BZ) | 20:04 | 00:00 | 0 | 865073 | 546830 | 225034 | 140813 | 1.58 | ABV/ABV | |
| 234 | | | | | 234.0406 | 236.0376 | 234.0406 | 236.0376 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 340 | 198 | 136 | 79 | 1.72 | / | |
| | 13C12-PCB 4 | 14:42 | 00:00 | 0 | 1022218 | 628687 | 323561 | 198895 | 1.63 | AVV/AVV | |
| | 13C12-PCB 9 | 16:40 | 00:00 | 0 | 1683591 | 1045126 | 486586 | 304314 | 1.61 | ABV/ABV | |
| | 13C12-PCB 8 | 17:32 | 00:00 | 0 | 1898134 | 1164604 | 537337 | 332569 | 1.63 | AVV/AVV | |
| | 13C12-PCB 15 | 20:41 | 00:00 | 0 | 1756170 | 1102196 | 430791 | 278176 | 1.59 | AVV/ABV | |
| 256 | | | | | 255.9613 | 257.9584 | 255.9613 | 257.9584 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 195 | 130 | 78 | 52 | 1.50 * | / | |
| | PCB 30 (BZ) | 19:38 | 00:00 | 0 | 556338 | 531129 | 153999 | 143732 | 1.05 | ABV/ABV | D |
| | PCB 27 (BZ) | 20:25 | 00:00 | 0 | 559377 | 527236 | 149667 | 139338 | 1.06 | AVV/AVV | |
| | PCB 32 (BZ) | 21:10 | 00:00 | 0 | 604762 | 563228 | 162399 | 146058 | 1.07 | ABV/AVV | |
| | PCB 34 (BZ) | 22:23 | 00:00 | 0 | 799816 | 781398 | 199363 | 197991 | 1.02 | ABV/ABV | |
| | PCB 26 (BZ) | 22:52 | 00:00 | 0 | 831422 | 808216 | 195075 | 191933 | 1.03 | AVV/AVV | M |
| | PCB 31 (BZ) | 23:26 | 00:00 | 0 | 870660 | 847611 | 216612 | 210743 | 1.03 | AVV/AVV | D |
| | PCB 33 (BZ) | 23:59 | 00:00 | 0 | 886486 | 857524 | 196691 | 190293 | 1.03 | AVV/AVV | |
| | PCB 36 (BZ) | 25:54 | 00:00 | 0 | 825973 | 806748 | 200152 | 192259 | 1.02 | AVV/ABV | D |
| | PCB 38 (BZ) | 26:52 | 00:00 | 0 | 812735 | 793444 | 178630 | 175471 | 1.02 | ABV/ABV | D |
| | PCB 35 (BZ) | 27:23 | 00:00 | 0 | 793178 | 771585 | 173474 | 171647 | 1.03 | AVV/AVV | |
| 268 | | | | | 268.0016 | 269.9986 | 268.0016 | 269.9986 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 573 | 300 | 229 | 120 | 1.91 * | / | |
| | 13C12-PCB 19 | 17:54 | 00:00 | 0 | 607804 | 577788 | 175164 | 166794 | 1.05 | AVV/ABV | |
| | 13C12-PCB 32 | 21:09 | 00:00 | 0 | 1103626 | 1022327 | 277793 | 259247 | 1.08 | AVV/AVV | |
| | 13C12-PCB 31 | 23:25 | 00:00 | 0 | 1683440 | 1578922 | 422656 | 390024 | 1.07 | ABV/ABV | |
| | 13C12-PCB 28 | 23:42 | 00:00 | 0 | 1590643 | 1531241 | 382405 | 369288 | 1.04 | AVV/AVV | |
| | 13C12-PCB 37 | 27:47 | 00:00 | 0 | 1500049 | 1411472 | 323374 | 307551 | 1.06 | AVV/ABV | |
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 150 | 225 | 60 | 90 | 0.67 | / | |
| | PCB 50 (BZ) | 23:10 | 00:00 | 0 | 822757 | 1032194 | 196904 | 247362 | 0.80 | ABV/ABV | |
| | PCB 45 (BZ) | 23:53 | 00:00 | 0 | 729429 | 932163 | 178295 | 224313 | 0.78 | ABB/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 ccmax limit  D = peak outside RT window  W = peak outside first/last  X = peak has dup match

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX1 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030713. | Prep Date | | SDG No | |
| Analysis ID | 96241 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 03:20 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | PCB 52 (BZ) | 25:34 | 00:00 | 0 | 870550 | 1119822 | 197896 | 254734 | 0.78 | ABV/ABV | |
| | PCB 49 (BZ) | 26:03 | 00:00 | 0 | 889295 | 1134738 | 202464 | 258118 | 0.78 | AVV/AVV | |
| | PCB 75 (BZ) | 26:52 | 00:00 | 0 | 1248182 | 1588052 | 285972 | 360331 | 0.79 | ABV/AVV | M |
| | PCB 41 (BZ) | 27:31 | 00:00 | 0 | 712120 | 921662 | 158385 | 215145 | 0.77 | AVV/AVV | |
| | PCB 72 (BZ) | 28:36 | 00:00 | 0 | 1216160 | 1542314 | 273303 | 350458 | 0.79 | ABV/ABV | D |
| | PCB 57 (BZ) | 29:19 | 00:00 | 0 | 1155668 | 1473868 | 257536 | 323141 | 0.78 | AVV/AVV | D |
| | PCB 63 (BZ) | 29:59 | 00:00 | 0 | 1185437 | 1502186 | 266922 | 331337 | 0.79 | ABV/AVV | D |
| | PCB 66 (BZ) | 30:41 | 00:00 | 0 | 1165386 | 1493972 | 251125 | 321911 | 0.78 | ABV/ABV | D |
| | PCB 79 (BZ) | 33:30 | 00:00 | 0 | 1232863 | 1601151 | 264029 | 344300 | 0.77 | ABV/ABV | |
| | PCB 78 (BZ) | 34:04 | 00:00 | 0 | 1154280 | 1468327 | 240904 | 319341 | 0.79 | AVV/AVV | |
| | PCB 81 (BZ) | 34:31 | 00:00 | 0 | 1191916 | 1515627 | 241229 | 312982 | 0.79 | AVV/AVV | |
| 302 | | | | | 301.9626 | 303.9597 | 301.9626 | 303.9597 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 160 | 145 | 64 | 58 | 1.10 * | / | |
| | 13C12-PCB 54 | 21:03 | 00:00 | 0 | 537917 | 653834 | 135444 | 160313 | 0.82 | ABV/ABV | |
| | 13C12-PCB 52 | 25:33 | 00:00 | 0 | 804024 | 993457 | 188744 | 237960 | 0.81 | ABV/ABV | |
| | 13C12-PCB 79 | 33:28 | 00:00 | 0 | 1230153 | 1560913 | 258338 | 328245 | 0.79 | ABV/ABV | |
| | 13C12-PCB 81 | 34:30 | 00:00 | 0 | 1050437 | 1303045 | 217996 | 274878 | 0.81 | ABV/ABV | D |
| | 13C12-PCB 77 | 35:06 | 00:00 | 0 | 1078186 | 1350966 | 229033 | 284253 | 0.80 | ABV/ABB | D |
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 188 | 195 | 75 | 78 | 0.96 * | / | |
| | PCB 96 (BZ) | 26:58 | 00:00 | 0 | 1251678 | 774181 | 292649 | 177880 | 1.62 | ABV/ABV | D |
| | PCB 103 (BZ) | 28:46 | 00:00 | 0 | 1030245 | 647580 | 230447 | 144458 | 1.59 | ABV/ABV | D |
| | PCB 95 (BZ) | 29:32 | 00:00 | 0 | 982449 | 613118 | 217887 | 138785 | 1.60 | ABV/AVV | D |
| | PCB 88 (BZ) | 30:14 | 00:00 | 0 | 872095 | 541074 | 186662 | 113609 | 1.61 | AVV/ABV | |
| | PCB 89 (BZ) | 31:07 | 00:00 | 0 | 853427 | 521863 | 192570 | 113194 | 1.64 | ABV/ABV | D |
| | PCB 92 (BZ) | 31:48 | 00:00 | 0 | 901343 | 572516 | 197423 | 128845 | 1.57 | ABV/ABV | D |
| | PCB 113 (BZ) | 32:20 | 00:00 | 0 | 1244607 | 778464 | 271388 | 171359 | 1.60 | AVV/ABV | D |
| | PCB 83 (BZ) | 32:55 | 00:00 | 0 | 782394 | 491221 | 159988 | 104040 | 1.59 | AVB/ABV | D |
| | PCB 119 (BZ) | 33:27 | 00:00 | 0 | 1351072 | 858251 | 288498 | 180215 | 1.57 | ABV/ABV | DM |
| | PCB 87 (BZ) | 33:38 | 00:00 | 0 | 897597 | 571440 | 195466 | 123303 | 1.57 | AVB/AVB | DM |
| | PCB 85 (BZ) | 34:15 | 00:00 | 0 | 949273 | 592116 | 198645 | 124947 | 1.60 | AVV/AVV | D |
| | PCB 82 (BZ) | 34:47 | 00:00 | 0 | 754038 | 469314 | 152835 | 98629 | 1.61 | AVV/AVV | D |
| | PCB 120 (BZ) | 35:28 | 00:00 | 0 | 1363748 | 878526 | 293306 | 189876 | 1.55 | AVV/AVB | D |
| | PCB 124 (BZ) | 36:42 | 00:00 | 0 | 1586568 | 1029357 | 314754 | 202252 | 1.54 | AVV/AVV | D |
| | PCB 106 (BZ) | 37:09 | 00:00 | 0 | 1531615 | 987358 | 304622 | 199797 | 1.55 | AVV/AVV | |
| | PCB 122 (BZ) | 37:46 | 00:00 | 0 | 1409039 | 919753 | 287701 | 188087 | 1.53 | AVV/AVV | D |
| | PCB 105 (BZ) | 38:37 | 00:00 | 0 | 1539362 | 986309 | 314725 | 205936 | 1.56 | ABV/AVV | |
| | PCB 127 (BZ) | 39:59 | 00:00 | 0 | 1599771 | 999541 | 331109 | 209748 | 1.60 | AVV/AVV | |
| 338 | | | | | 337.9207 | 339.9178 | 337.9207 | 339.9178 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 170 | 143 | 68 | 57 | 1.19 * | / | |
| | 13C12-PCB 104 | 26:29 | 00:00 | 0 | 1220882 | 751773 | 285931 | 176269 | 1.62 | ABV/ABV | D |
| | 13C12-PCB 95 | 29:31 | 00:00 | 0 | 972425 | 603376 | 209328 | 130202 | 1.61 | ABV/ABV | D |
| | 13C12-PCB 101 | 32:22 | 00:00 | 0 | 954513 | 593295 | 202553 | 127206 | 1.61 | ABV/AVV | |
| | 13C12-PCB 111 | 35:00 | 00:00 | 0 | 1218841 | 763829 | 260674 | 162030 | 1.60 | ABV/ABV | |

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

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# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX1 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030713. | Prep Date | | SDG No | |
| Analysis ID | 96241 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 03:20 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 338 | | | | | 337.9207 | 339.9178 | 337.9207 | 339.9178 | 1.32-1.78 | | |
| | 13C12-PCB 123 | 37:01 | 00:00 | 0 | 1453726 | 917352 | 311605 | 192277 | 1.58 | ABV/ABV | D |
| | 13C12-PCB 118 | 37:21 | 00:00 | 0 | 1531500 | 979968 | 320519 | 199453 | 1.56 | AVV/AVV | D |
| | 13C12-PCB 114 | 37:52 | 00:00 | 0 | 1503952 | 932247 | 310141 | 188554 | 1.61 | AVV/AVV | D |
| | 13C12-PCB 105 | 38:35 | 00:00 | 0 | 1464115 | 904694 | 301245 | 185710 | 1.62 | ABV/ABV | D |
| | 13C12-PCB 127 | 39:58 | 00:00 | 0 | 1608071 | 992867 | 325514 | 208732 | 1.62 | ABV/ABV | |
| | 13C12-PCB 126 | 41:38 | 00:00 | 0 | 1557087 | 966794 | 327419 | 200057 | 1.61 | ABV/AVV | D |
| 360 | | | | | 359.8415 | 361.8385 | 359.8415 | 361.8385 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 188 | 153 | 75 | 61 | 1.23 | / | |
| | PCB 152 (BZ) | 32:24 | 00:00 | 0 | 1011094 | 788620 | 219366 | 172072 | 1.28 | ABV/ABV | D |
| | PCB 136 (BZ) | 32:59 | 00:00 | 0 | 984547 | 775994 | 216541 | 166820 | 1.27 | ABV/ABV | D |
| | PCB 148 (BZ) | 34:37 | 00:00 | 0 | 736983 | 577445 | 161111 | 123117 | 1.28 | ABV/ABV | D |
| | PCB 151 (BZ) | 35:17 | 00:00 | 0 | 736918 | 568243 | 153582 | 117238 | 1.30 | ABV/ABV | D |
| | PCB 144 (BZ) | 35:50 | 00:00 | 0 | 758399 | 599912 | 161221 | 126312 | 1.26 | AVV/ABV | D |
| | PCB 143 (BZ) | 36:33 | 00:00 | 0 | 843130 | 679512 | 176397 | 143006 | 1.24 | AVV/AVV | D |
| | PCB 142 (BZ) | 37:11 | 00:00 | 0 | 782945 | 621664 | 167554 | 134453 | 1.26 | AVB/AVV | D |
| | PCB 133 (BZ) | 37:55 | 00:00 | 0 | 840480 | 668268 | 177603 | 151768 | 1.26 | ABB/ABV | D |
| | PCB 161 (BZ) | 38:41 | 00:00 | 0 | 1244037 | 983563 | 261343 | 209306 | 1.26 | ABV/ABV | D |
| | PCB 153 (BZ) | 39:11 | 00:00 | 0 | 1156811 | 905869 | 231418 | 185539 | 1.28 | AVV/AVV | D |
| | PCB 130 (BZ) | 39:51 | 00:00 | 0 | 810198 | 642880 | 163693 | 131157 | 1.26 | ABV/AVV | |
| | PCB 129 (BZ) | 40:35 | 00:00 | 0 | 757016 | 607294 | 160753 | 123518 | 1.25 | ABV/ABV | |
| | PCB 166 (BZ) | 41:40 | 00:00 | 0 | 1239925 | 974991 | 249843 | 195590 | 1.27 | AVB/AVB | |
| | PCB 159 (BZ) | 42:40 | 00:00 | 0 | 1235692 | 980906 | 247847 | 199832 | 1.26 | AVV/ABV | |
| | PCB 167 (BZ) | 43:26 | 00:00 | 0 | 1306653 | 1056488 | 269819 | 219900 | 1.24 | AVV/AVV | |
| | PCB 156 (BZ) | 44:36 | 00:00 | 0 | 1446397 | 1105742 | 269149 | 214902 | 1.31 | ABV/ABV | |
| 372 | | | | | 371.8817 | 373.8788 | 371.8817 | 373.8788 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 75 | 173 | 30 | 69 | 0.43 * | / | |
| | 13C12-PCB 155 | 32:02 | 00:00 | 0 | 1013365 | 777970 | 228579 | 167124 | 1.30 | ABV/ABV | D |
| | 13C12-PCB 153 | 39:08 | 00:00 | 0 | 1111082 | 860152 | 234202 | 185909 | 1.29 | ABV/AVV | D |
| | 13C12-PCB 138 | 40:28 | 00:00 | 0 | 1011958 | 794661 | 206504 | 160670 | 1.27 | AVV/ABV | |
| | 13C12-PCB 167 | 43:24 | 00:00 | 0 | 1285153 | 1002496 | 269275 | 208005 | 1.28 | AVV/AVV | |
| | 13C12-PCB 156 | 44:35 | 00:00 | 0 | 1203673 | 942771 | 257012 | 201036 | 1.28 | ABV/ABV | D |
| | 13C12-PCB 157 | 44:39 | 00:00 | 0 | 1305575 | 1031665 | 276746 | 223082 | 1.27 | AVB/AVB | M |
| | 13C12-PCB 169 | 47:49 | 00:00 | 0 | 1232942 | 967976 | 250377 | 191649 | 1.27 | ABV/ABV | D |
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 205 | 160 | 82 | 64 | 1.28 * | / | |
| | PCB 179 (BZ) | 38:15 | 00:00 | 0 | 1014599 | 964083 | 211415 | 204735 | 1.05 | ABV/ABV | D |
| | PCB 176 (BZ) | 39:06 | 00:00 | 0 | 1019742 | 971764 | 214032 | 203349 | 1.05 | ABV/ABV | D |
| | PCB 178 (BZ) | 40:53 | 00:00 | 0 | 719797 | 687868 | 147423 | 140453 | 1.05 | ABV/ABV | D |
| | PCB 175 (BZ) | 41:30 | 00:00 | 0 | 761383 | 721661 | 153771 | 146052 | 1.06 | AVV/AVV | D |
| | PCB 183 (BZ) | 42:22 | 00:00 | 0 | 830241 | 793393 | 170075 | 164963 | 1.05 | ABV/ABV | D |
| | PCB 177 (BZ) | 43:07 | 00:00 | 0 | 697309 | 658925 | 144550 | 135448 | 1.06 | AVV/ABV | D |
| | PCB 171 (BZ) | 43:44 | 00:00 | 0 | 727668 | 696092 | 150439 | 146282 | 1.05 | ABV/ABV | D |
| | PCB 172 (BZ) | 45:18 | 00:00 | 0 | 723889 | 697177 | 149660 | 142167 | 1.04 | AVV/AVV | D |
| | PCB 191 (BZ) | 46:18 | 00:00 | 0 | 1041084 | 981611 | 211220 | 192297 | 1.06 | AVV/AVV | D |

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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX1 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030713. | Prep Date | | SDG No | |
| Analysis ID | 96241 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 03:20 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

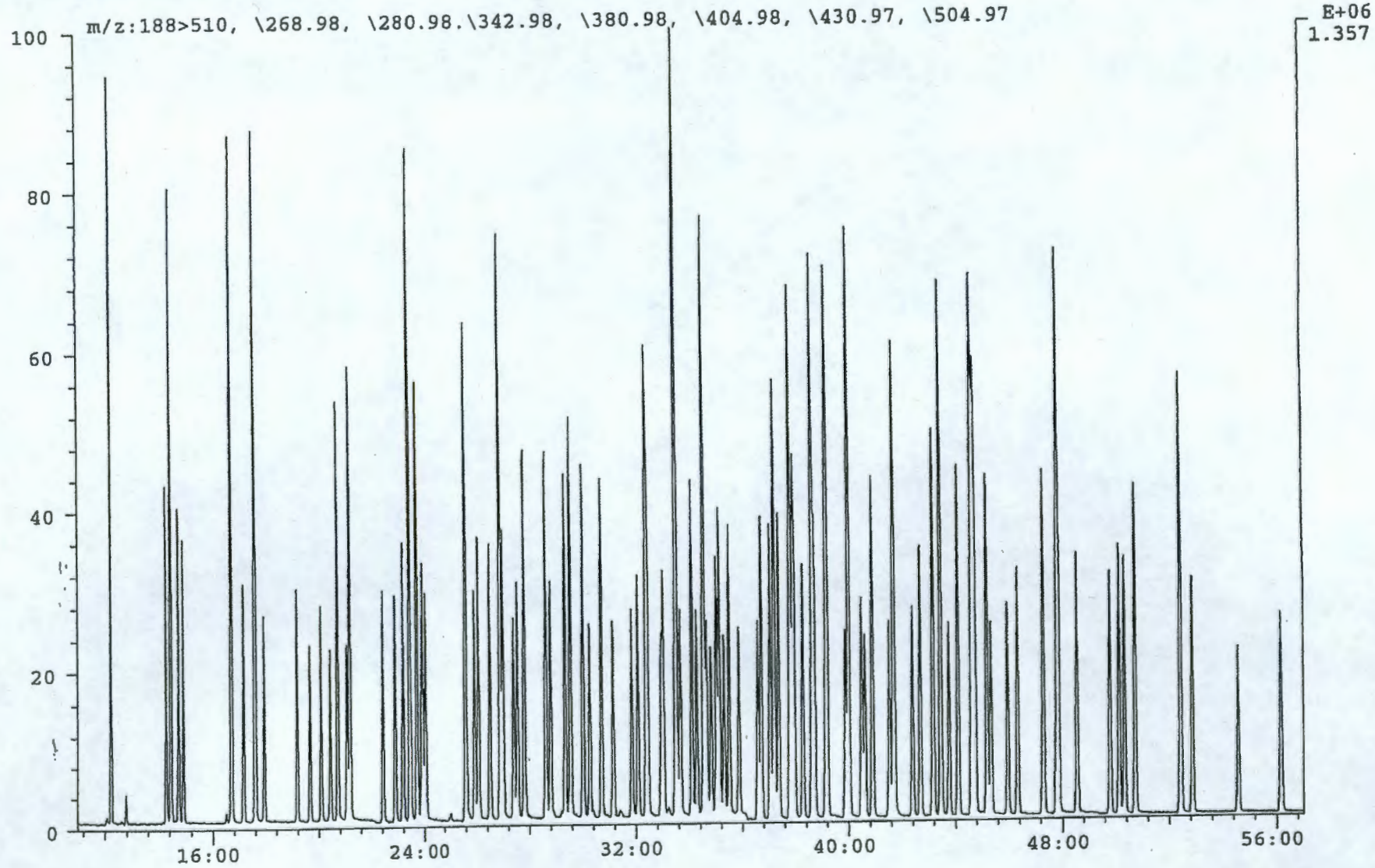
View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | PCB 170 (BZ) | 47:17 | 00:00 | 0 | 730493 | 693026 | 145324 | 136249 | 1.05 | AVV/AVV | D |
| | PCB 190 (BZ) | 47:46 | 00:00 | 0 | 1115886 | 1068082 | 203906 | 194429 | 1.04 | AVV/ABV | D |
| 406 | | | | | 405.8428 | 407.8398 | 405.8428 | 407.8398 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 150 | 148 | 60 | 59 | 1.02 | / | |
| | 13C12-PCB 188 | 37:47 | 00:00 | 0 | 1073043 | 998166 | 224848 | 205754 | 1.08 | ABV/ABV | D |
| | 13C12-PCB 178 | 40:51 | 00:00 | 0 | 686821 | 646690 | 150316 | 136095 | 1.06 | ABV/ABV | |
| | 13C12-PCB 180 | 45:55 | 00:00 | 0 | 869803 | 809904 | 175671 | 164412 | 1.07 | ABV/ABV | |
| | 13C12-PCB 170 | 47:14 | 00:00 | 0 | 720962 | 683642 | 144437 | 139447 | 1.05 | ABV/AVV | |
| | 13C12-PCB 189 | 50:19 | 00:00 | 0 | 1177518 | 1116800 | 226092 | 213442 | 1.05 | ABV/ABV | D |
| 428 | | | | | 427.7635 | 429.7606 | 427.7635 | 429.7606 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 178 | 233 | 71 | 93 | 0.76 | / | |
| | PCB 200 (BZ)/201 (IUPAC | 44:04 | 00:00 | 0 | 1274649 | 1413299 | 265732 | 291480 | 0.90 | ABV/ABV | |
| | PCB 204 (BZ) | 44:42 | 00:00 | 0 | 1246856 | 1384379 | 249217 | 281310 | 0.90 | AVV/AVV | |
| | PCB 199 (BZ)/200 (IUPAC | 45:09 | 00:00 | 0 | 1249373 | 1398392 | 255707 | 275965 | 0.89 | AVV/AVV | D |
| | PCB 198 (BZ) | 47:49 | 00:00 | 0 | 896508 | 989279 | 187986 | 202553 | 0.91 | ABV/ABV | D |
| | PCB 196 (BZ) | 48:32 | 00:00 | 0 | 936347 | 1025255 | 189824 | 202639 | 0.91 | AVV/AVV | D |
| | PCB 195 (BZ) | 50:06 | 00:00 | 0 | 989439 | 1122478 | 196263 | 224609 | 0.88 | AVV/AVV | |
| | PCB 194 (BZ) | 52:24 | 00:00 | 0 | 1080851 | 1203782 | 220487 | 242290 | 0.90 | ABV/ABV | |
| 440 | | | | | 439.8038 | 441.8008 | 439.8038 | 441.8008 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 145 | 125 | 58 | 50 | 1.16 * | / | |
| | 13C12-PCB 202 | 43:08 | 00:00 | 0 | 826638 | 915803 | 164481 | 193947 | 0.90 | ABV/ABV | D |
| | 13C12-PCB 194 | 52:23 | 00:00 | 0 | 682737 | 751923 | 135299 | 148872 | 0.91 | ABV/ABV | |
| | 13C12-PCB 205 | 52:50 | 00:00 | 0 | 957957 | 1063110 | 185213 | 208706 | 0.90 | ABV/AVV | |
| 462 | | | | | 461.7246 | 463.7216 | 461.7246 | 463.7216 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 165 | 350 | 66 | 140 | 0.47 * | / | |
| | PCB 207 (BZ) | 50:42 | 00:00 | 0 | 1122057 | 1415480 | 221997 | 284098 | 0.79 | ABV/ABV | |
| 474 | | | | | 473.7648 | 475.7619 | 473.7648 | 475.7619 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 148 | 160 | 59 | 64 | 0.92 * | / | |
| | 13C12-PCB 208 | 49:46 | 00:00 | 0 | 817414 | 1016047 | 165537 | 204495 | 0.80 | AVV/AVV | |
| | 13C12-PCB 206 | 54:33 | 00:00 | 0 | 552809 | 706071 | 111554 | 135399 | 0.78 | AVV/ABV | |
| 496 | | | | | 495.6856 | 497.6826 | 495.6856 | 497.6826 | 0.59-0.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 75 | 108 | 30 | 43 | 0.70 | / | |
| 508 | | | | | 507.7258 | 509.7229 | 507.7258 | 509.7229 | 0.59-0.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 203 | 208 | 81 | 83 | 0.98 * | / | |
| | 13C12-PCB 209 | 56:07 | 00:00 | 0 | 633877 | 890925 | 116317 | 163822 | 0.71 | 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

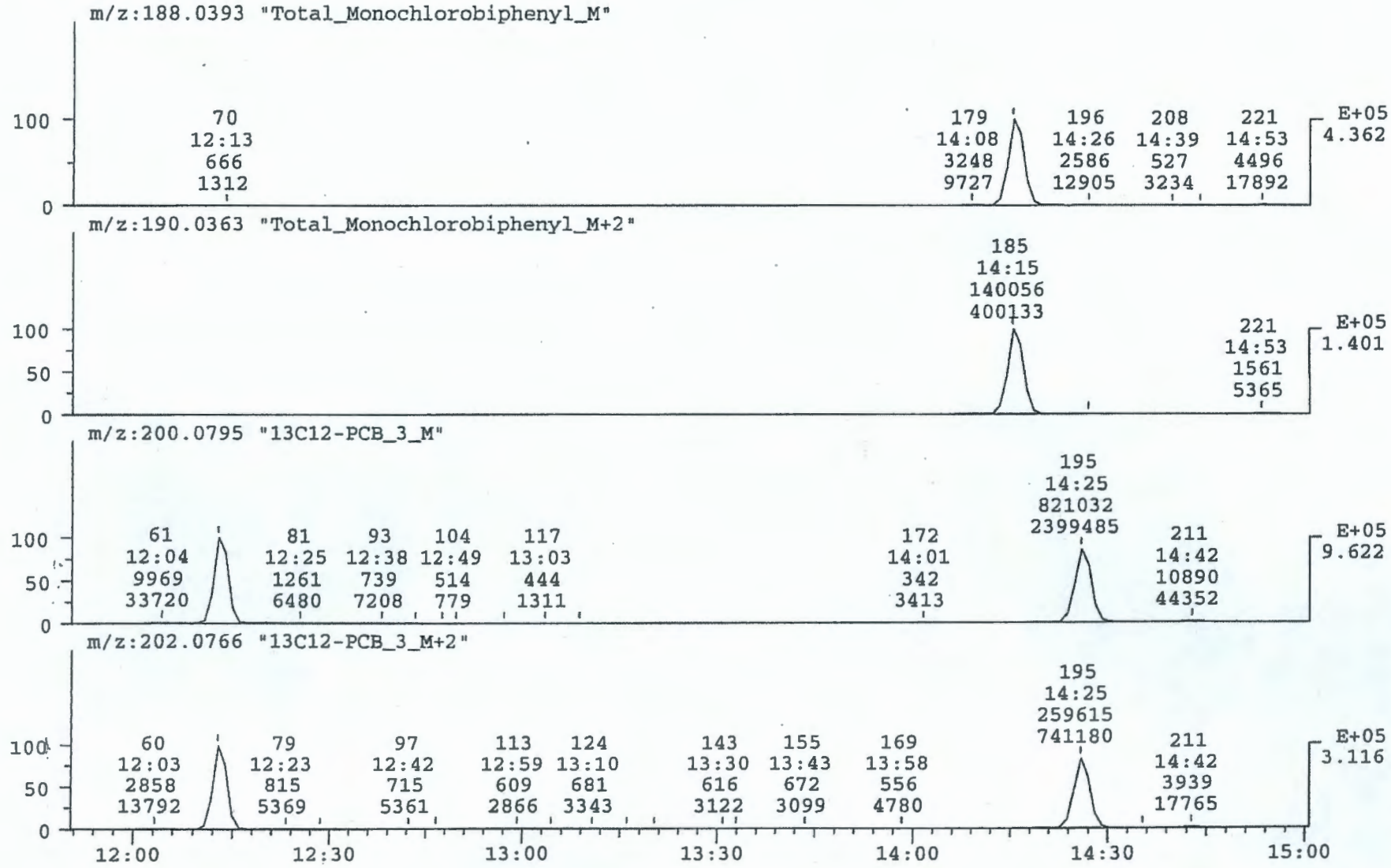
Int DCG 3-19-07
calc DCG 3-19-07.
QC KFW 3/19/07

CHRO: a07030713 08-Mar-07 Elapse: 56:13 2554
Samp: Vial 3 WO=2990;75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 2 > 2599 Masses: 181 > 510
Area: 5, 0.50, 0 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area

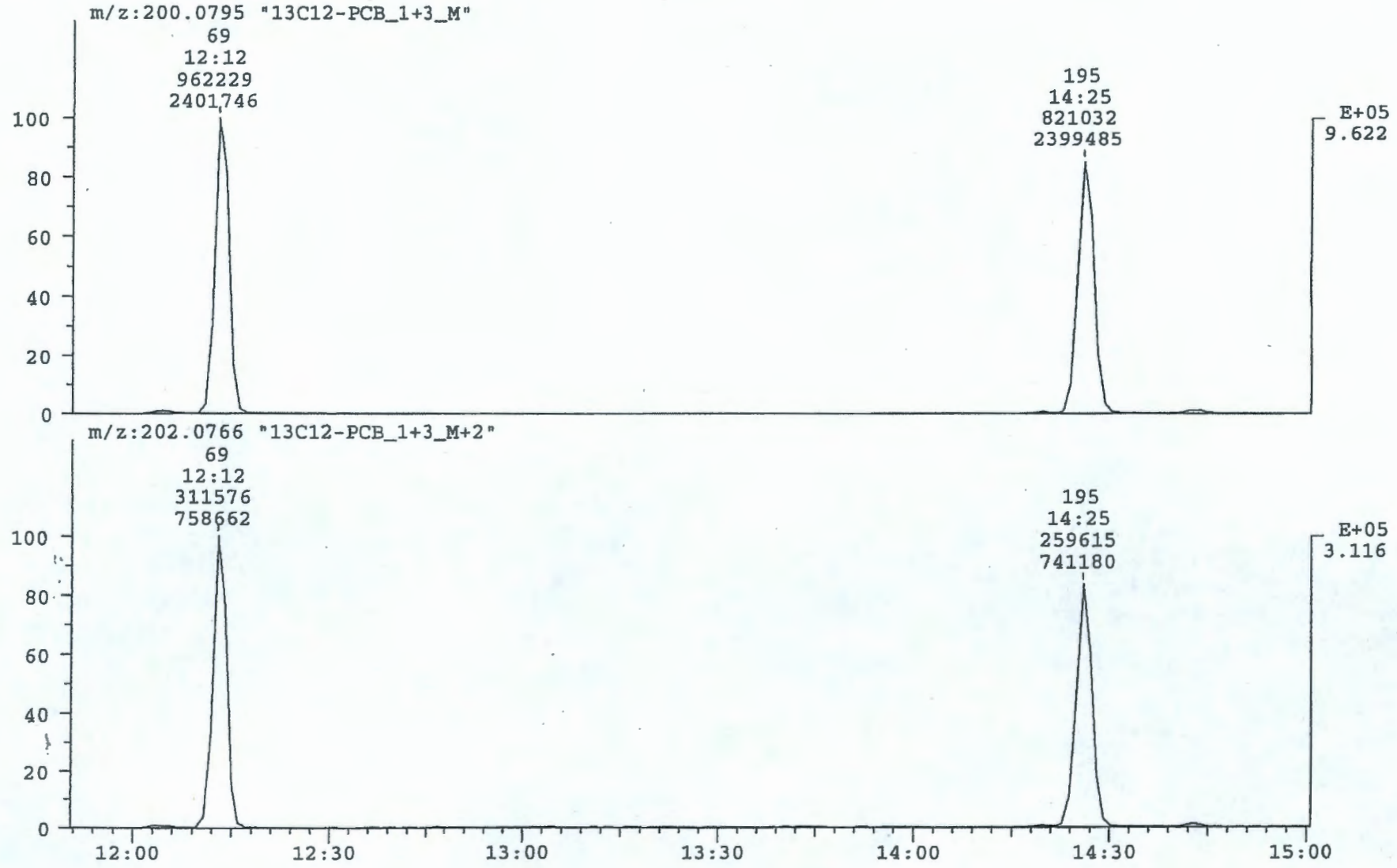



1419

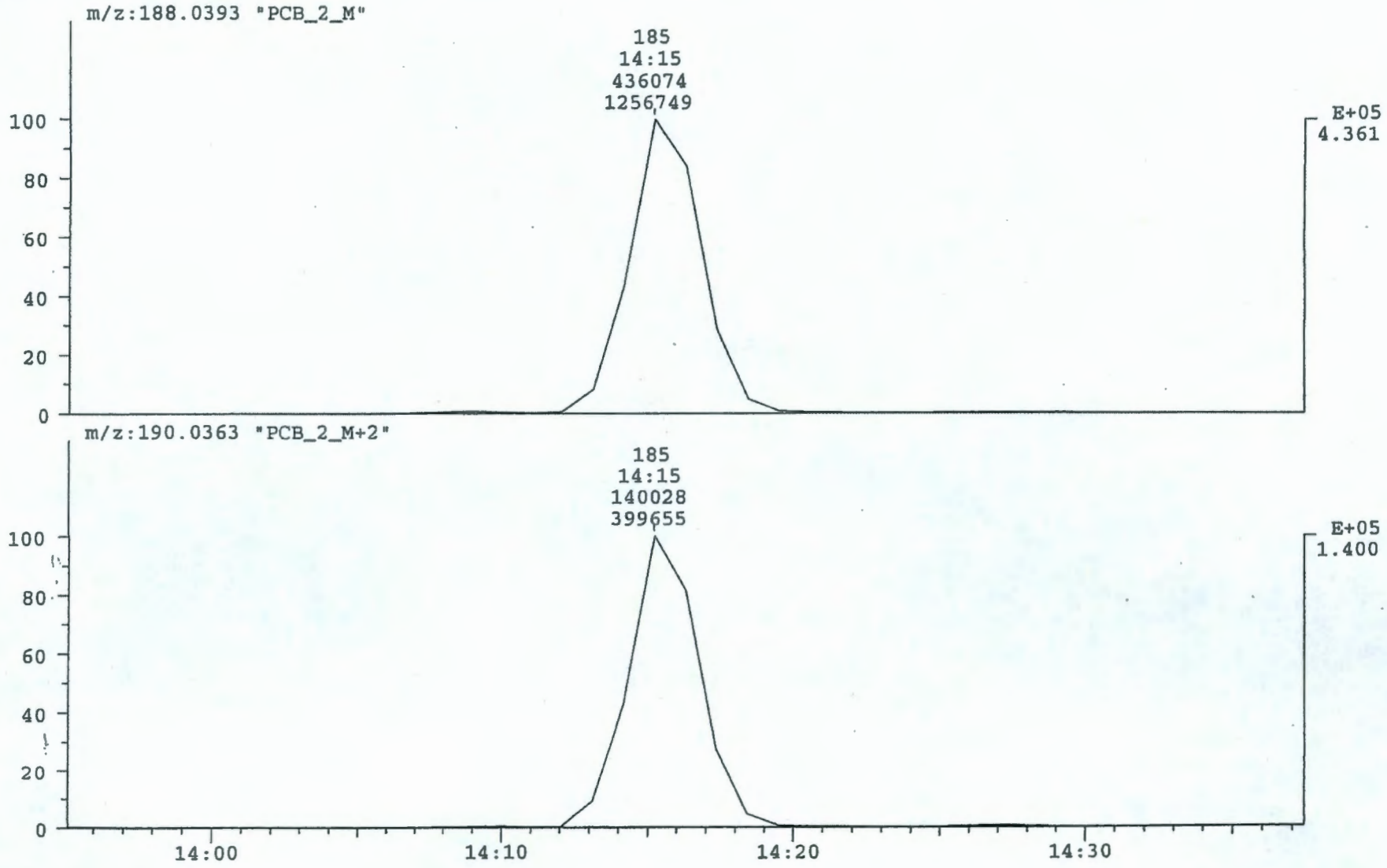
```
CHRO:  a07030713                                08-Mar-07   Elapse:  13:25.5      138
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29    2599
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   48 > 228              Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



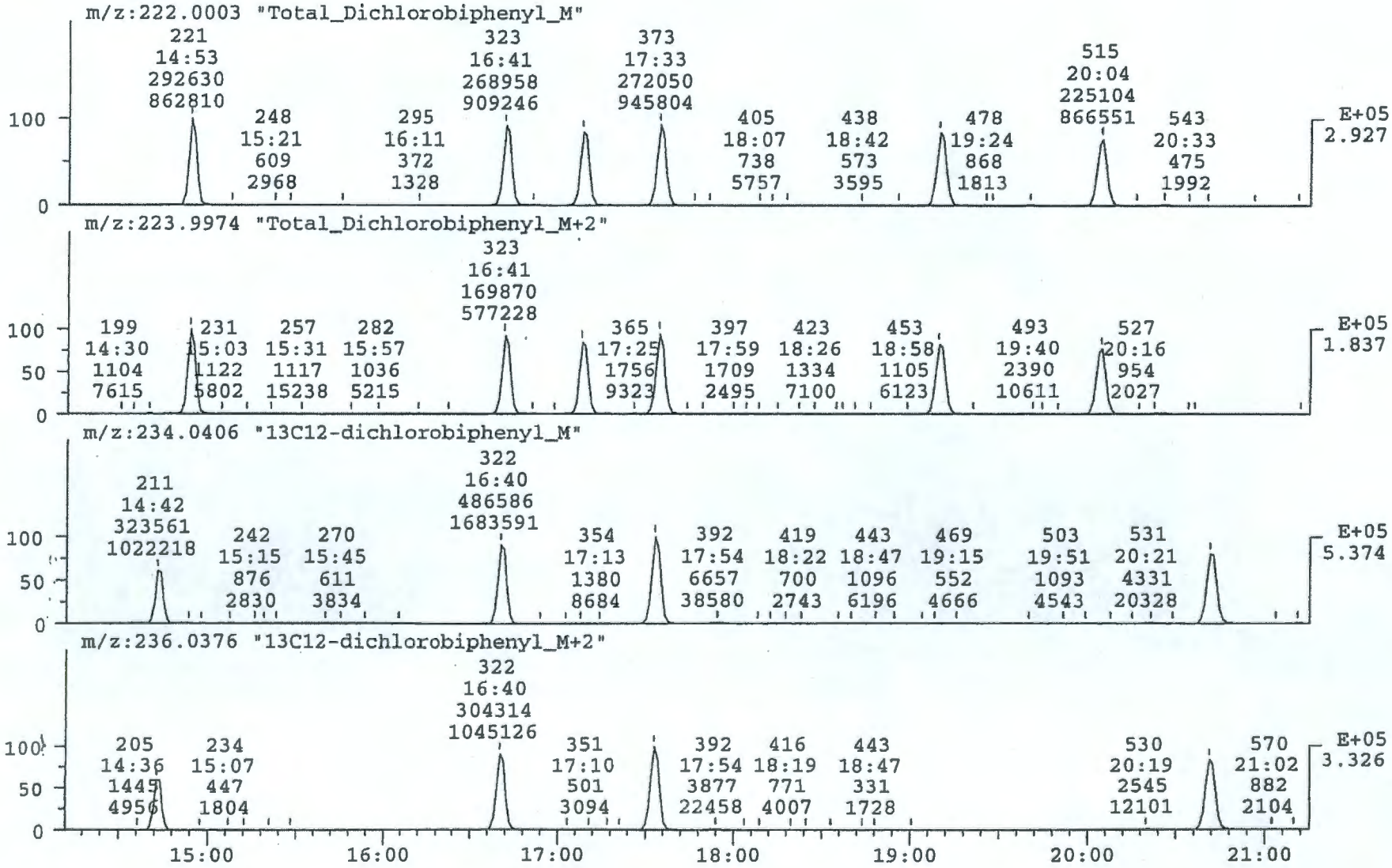
```
CHRO:  a07030713                                08-Mar-07   Elapse:  13:25.5      138
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29    2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   48 > 228              Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



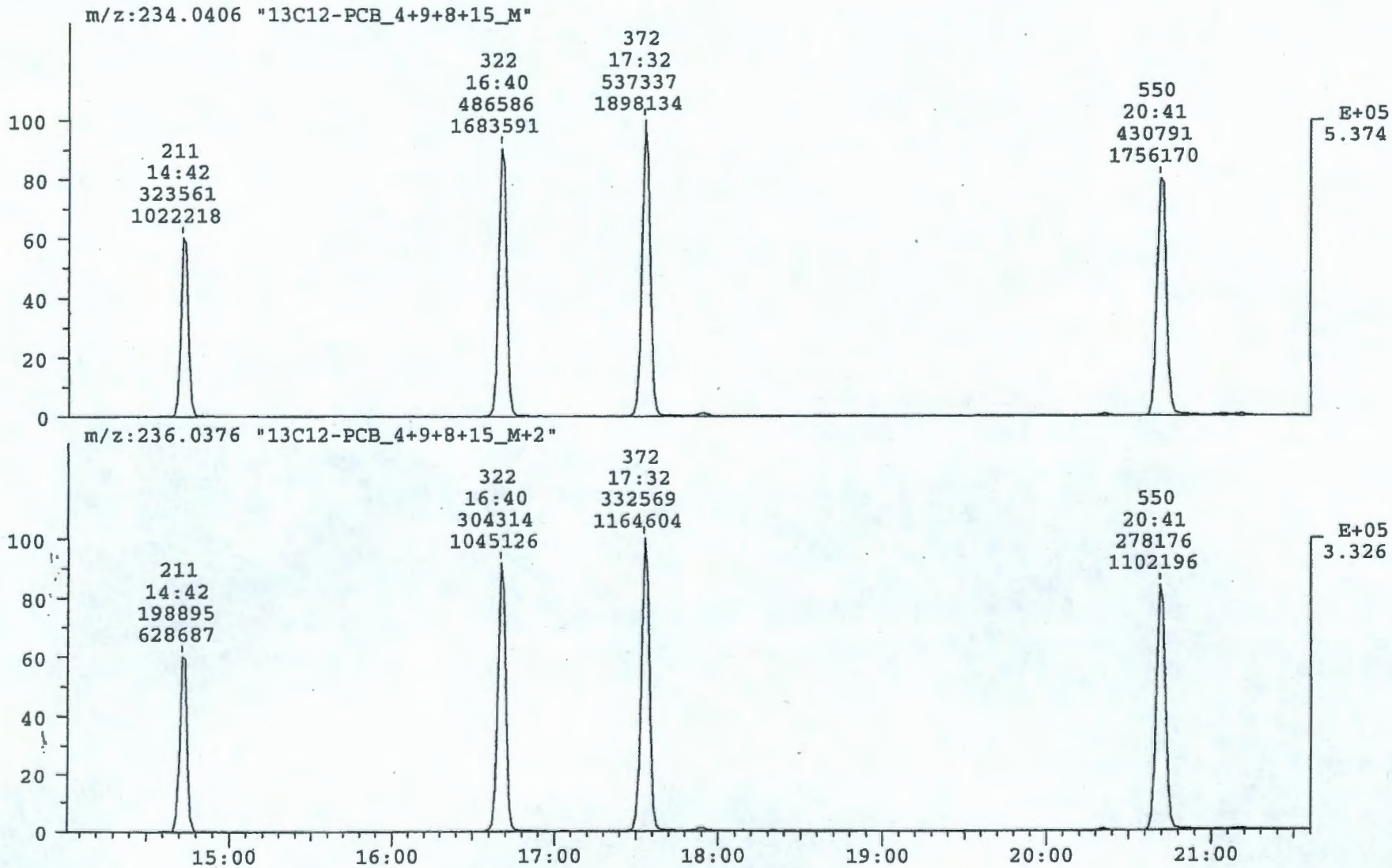
```
CHRO:  a07030713                                08-Mar-07  Elapse:  14:16.3      186
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29    2599
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   166 > 206           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



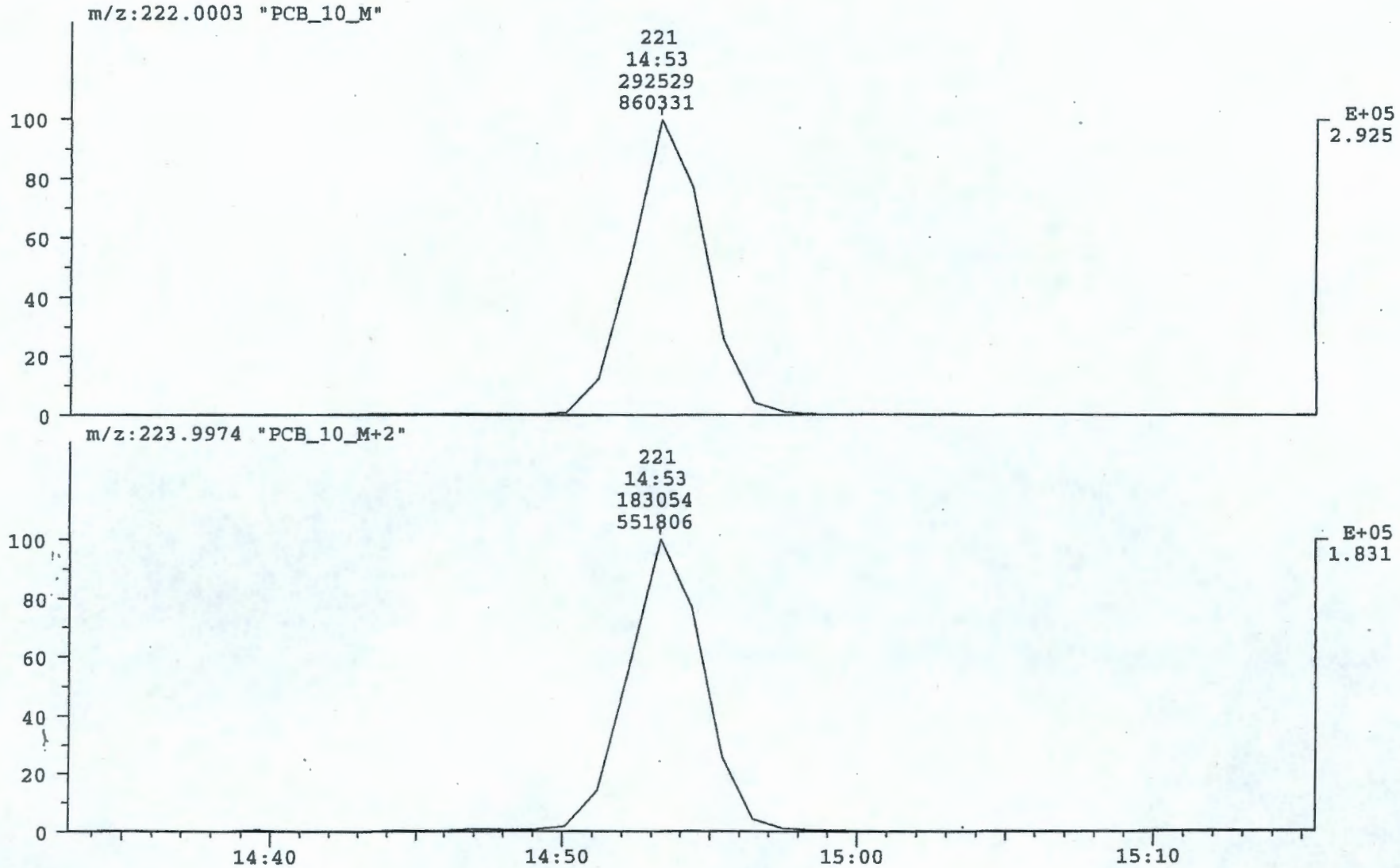
```
CHRO:  a07030713                                08-Mar-07   Elapse:  17:43.5     382
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
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
```



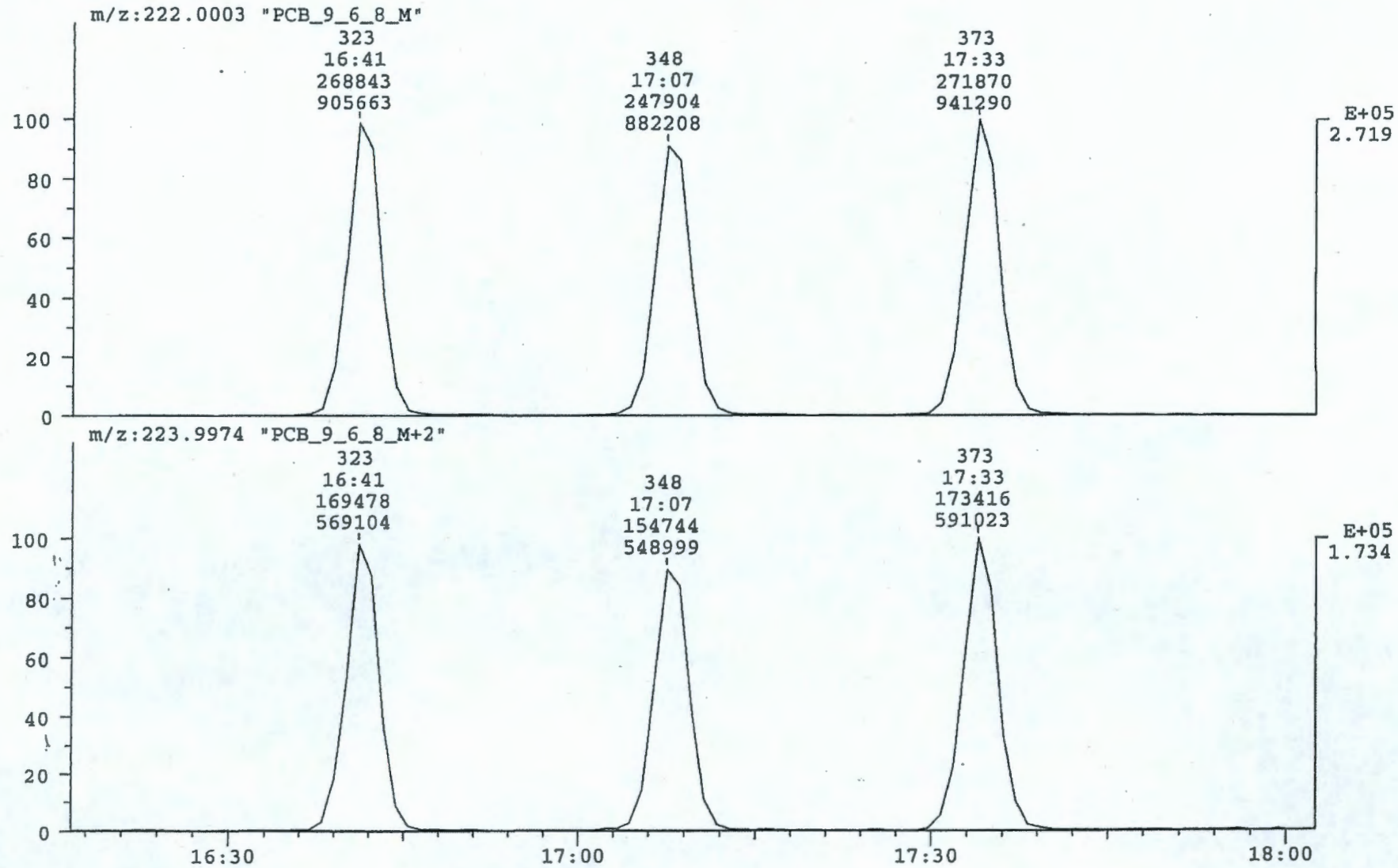
CHRO: a07030713 08-Mar-07 Elapse: 17:43.5 382
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 172 > 602 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



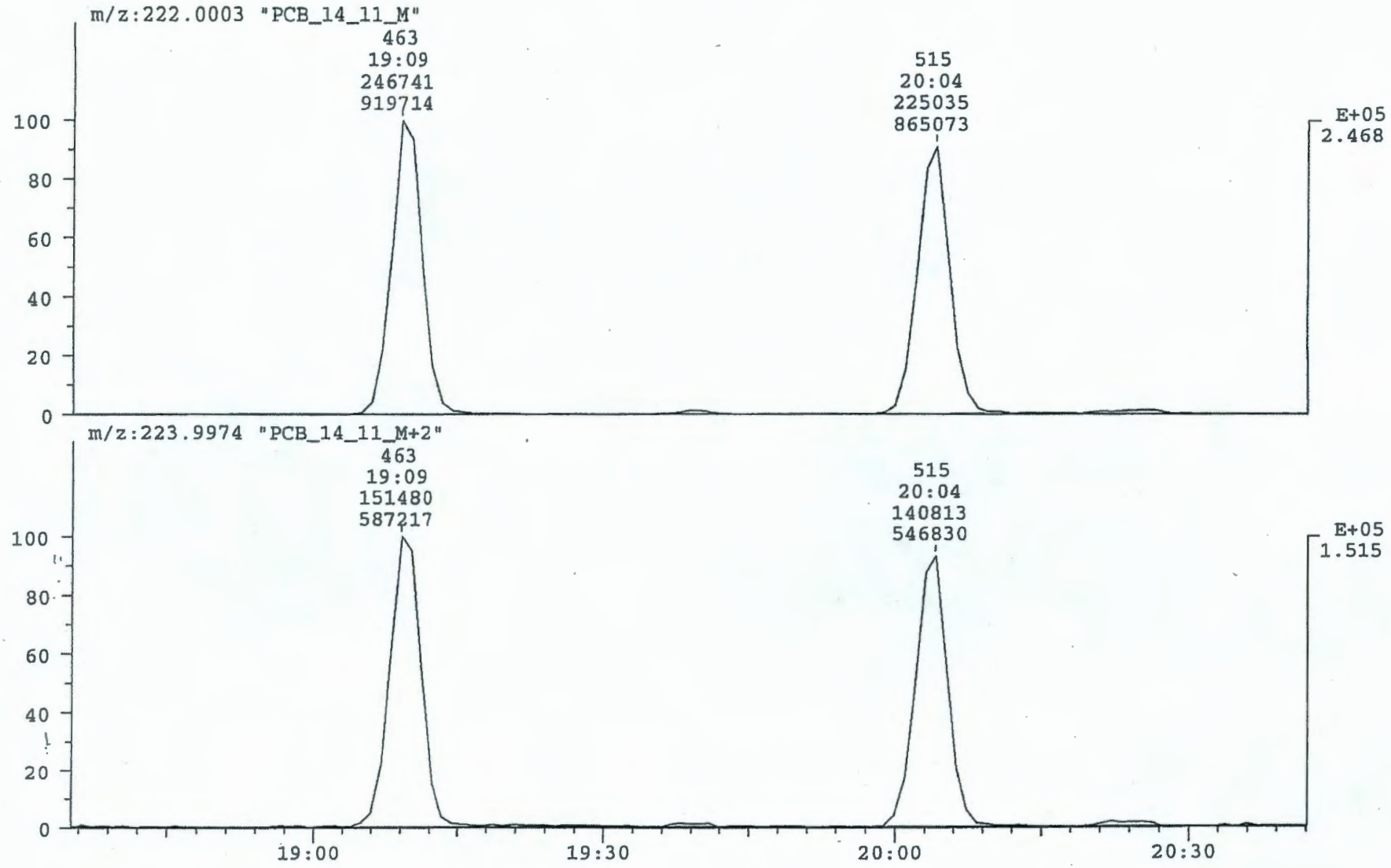
```
CHRO:  a07030713                                08-Mar-07  Elapse:  14:54.3      222
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29    2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   202 > 242           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



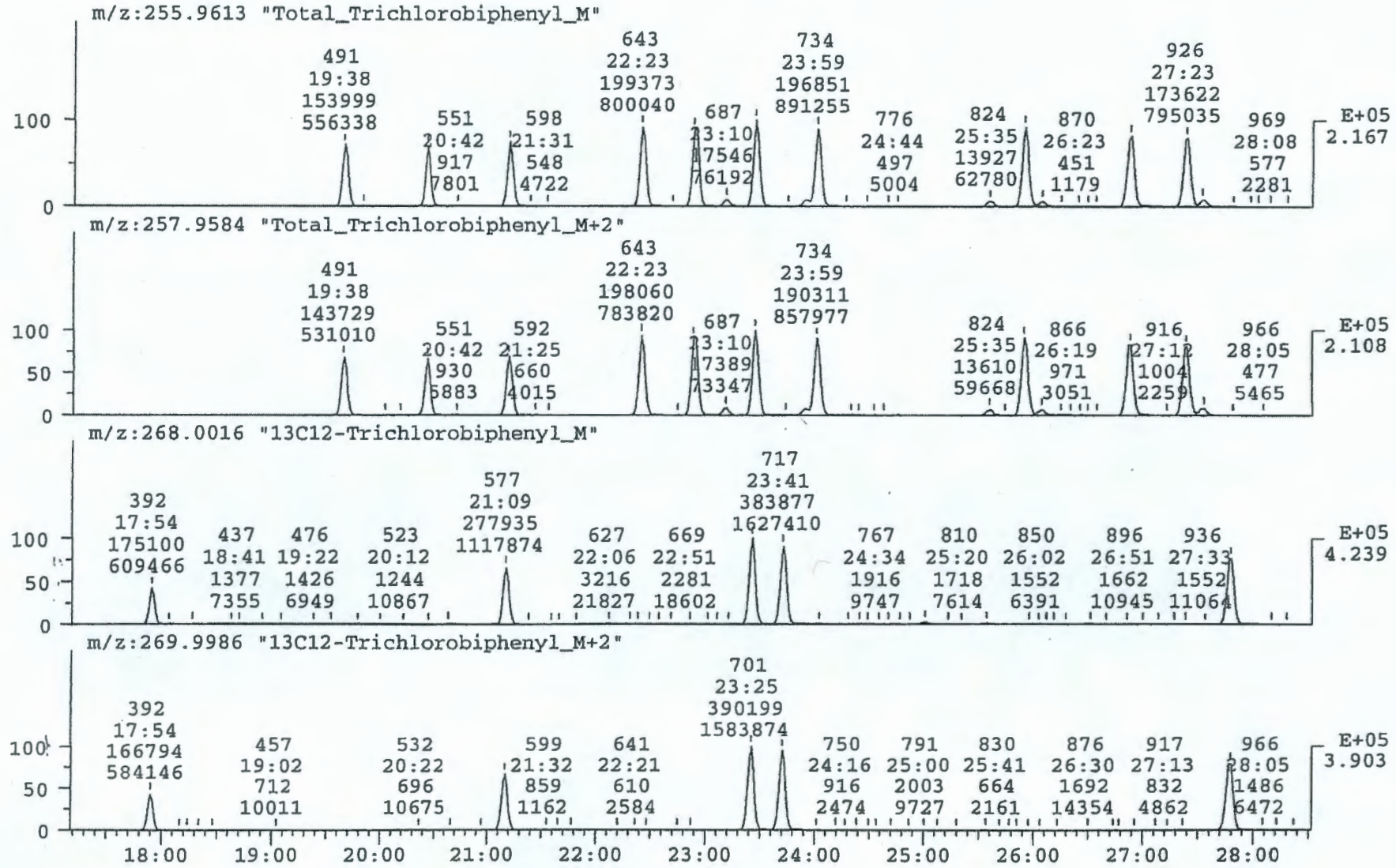
```
CHRO:  a07030713                                08-Mar-07  Elapse:  17:09.6      350
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29    2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   300 > 400           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



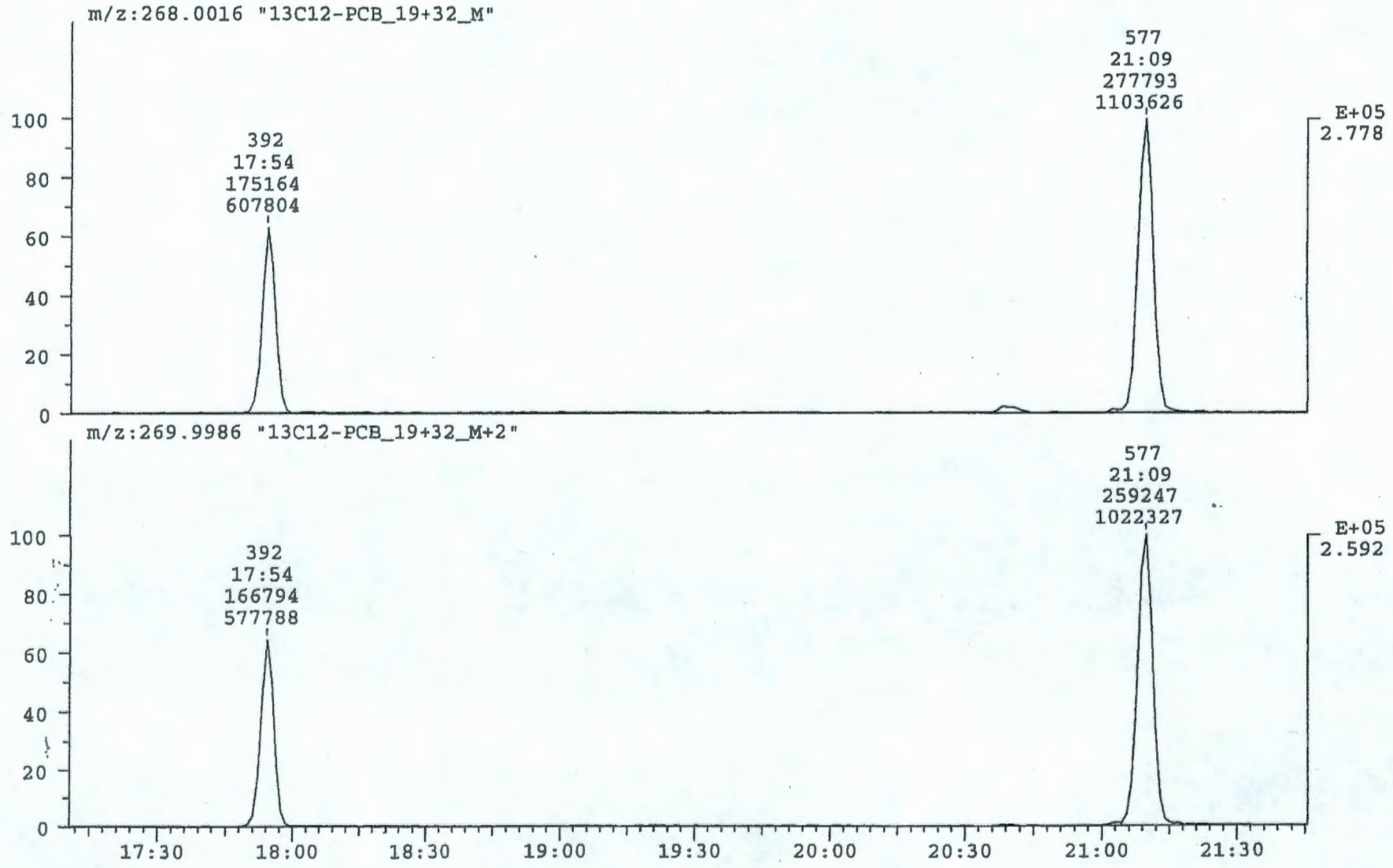
```
CHRO:  a07030713                                08-Mar-07   Elapse:  19:38.7      491
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29    2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC      Vial   3
Peak:  100.00  ppm      Label wndw:   431 > 551             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



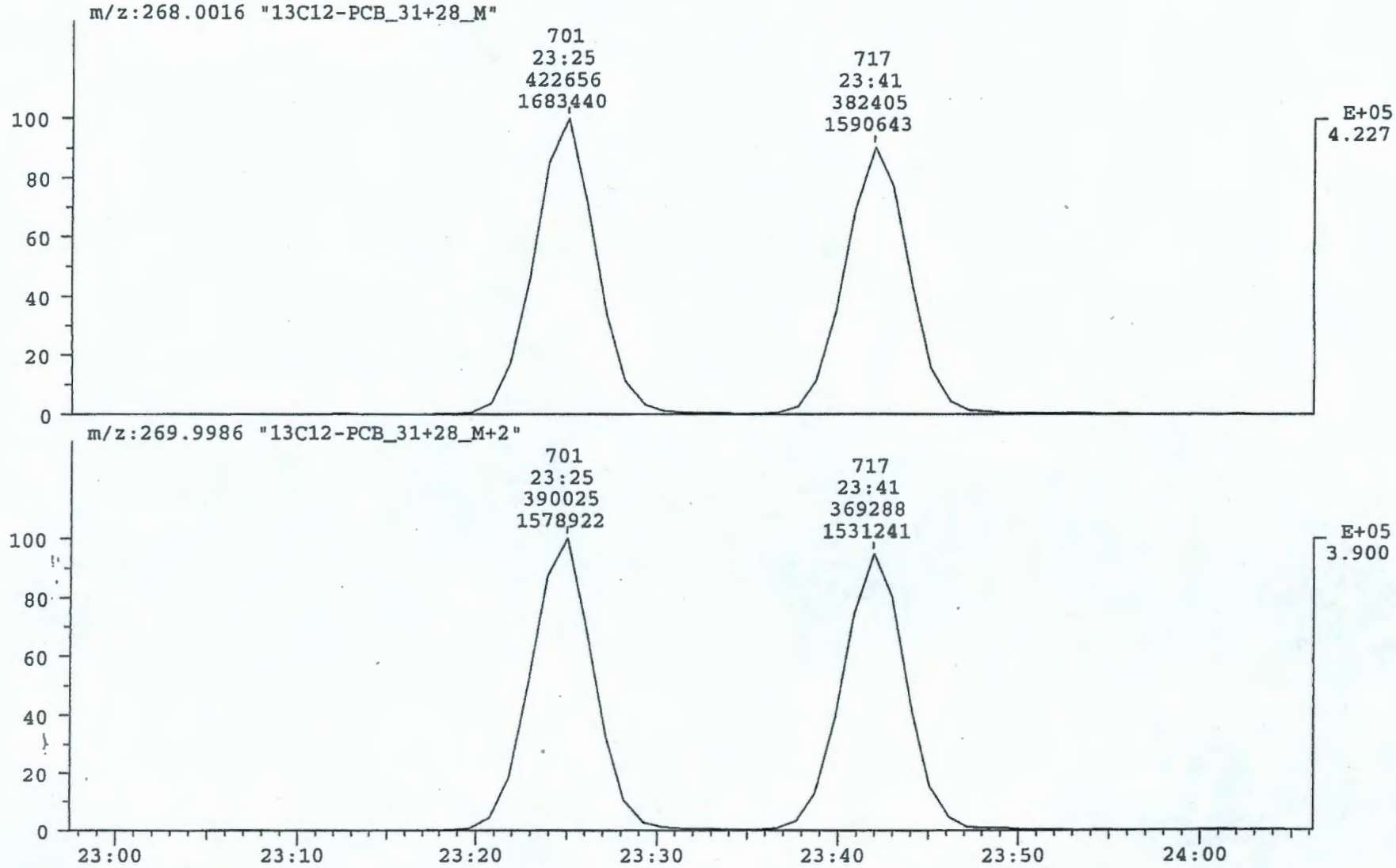
CHRO: a07030713 .08-Mar-07 Elapse: 22:53.2 671
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 351 > 991 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



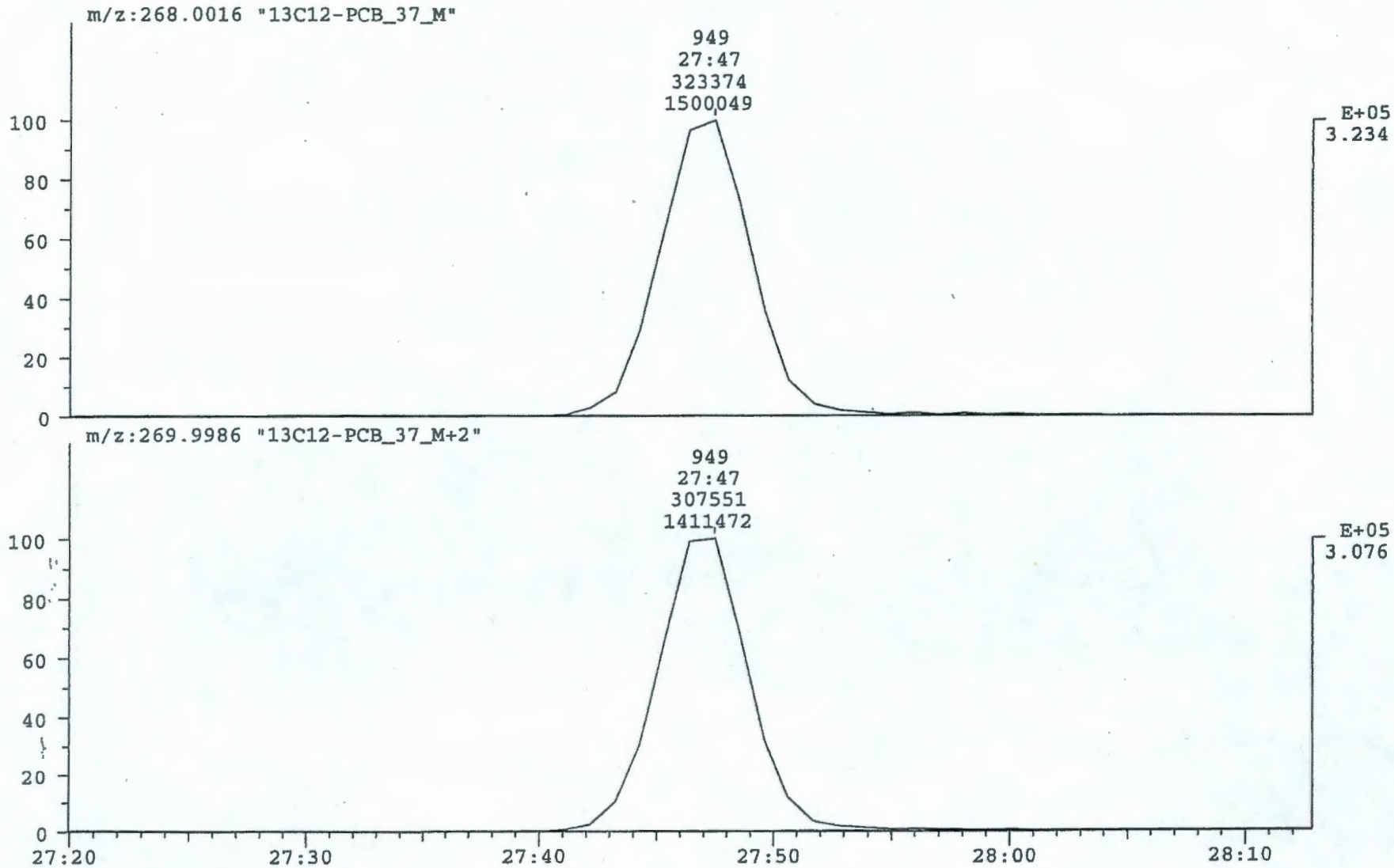
```
CHRO:  a07030713                                08-Mar-07   Elapse:  19:17.5      471
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29    2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   351 > 611             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 1                Label :  -3, 3.0
Disp:  Height  Area
```



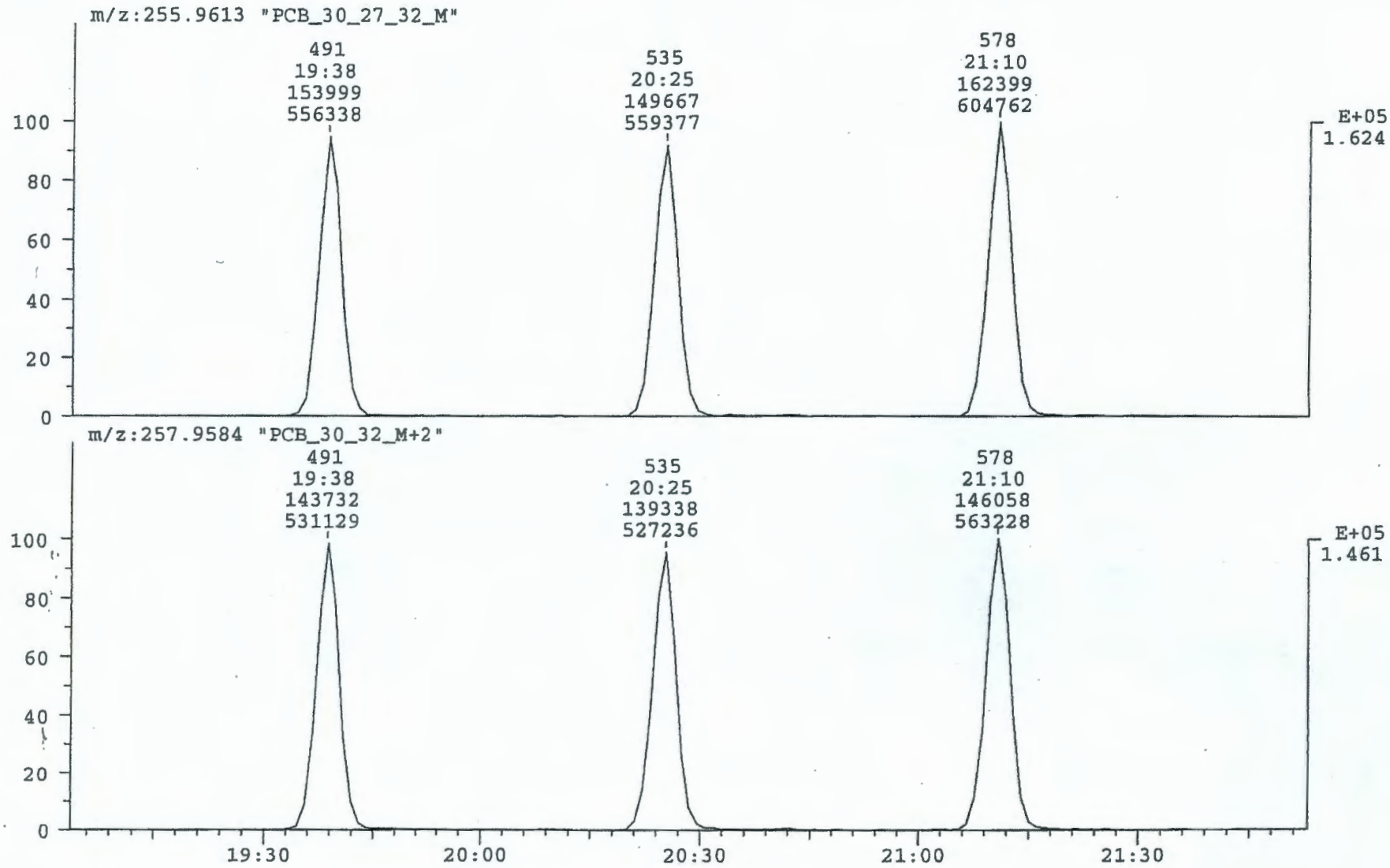
CHRO: a07030713 08-Mar-07 Elapse: 23:23.9 700
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 675 > 740 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



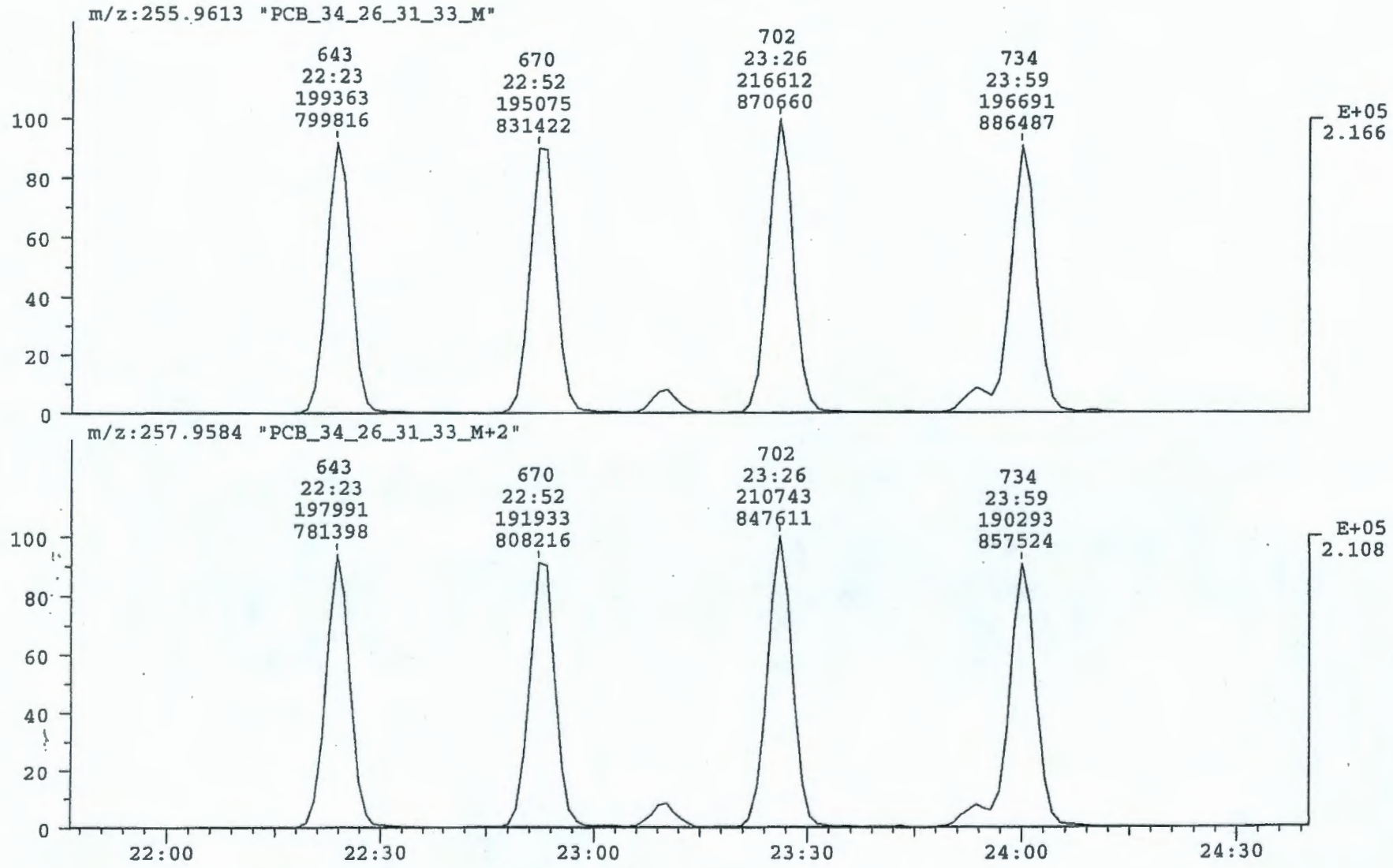
```
CHRO:  a07030713                                08-Mar-07  Elapse:  27:46.3      948
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29    2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC      Vial   3
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
```



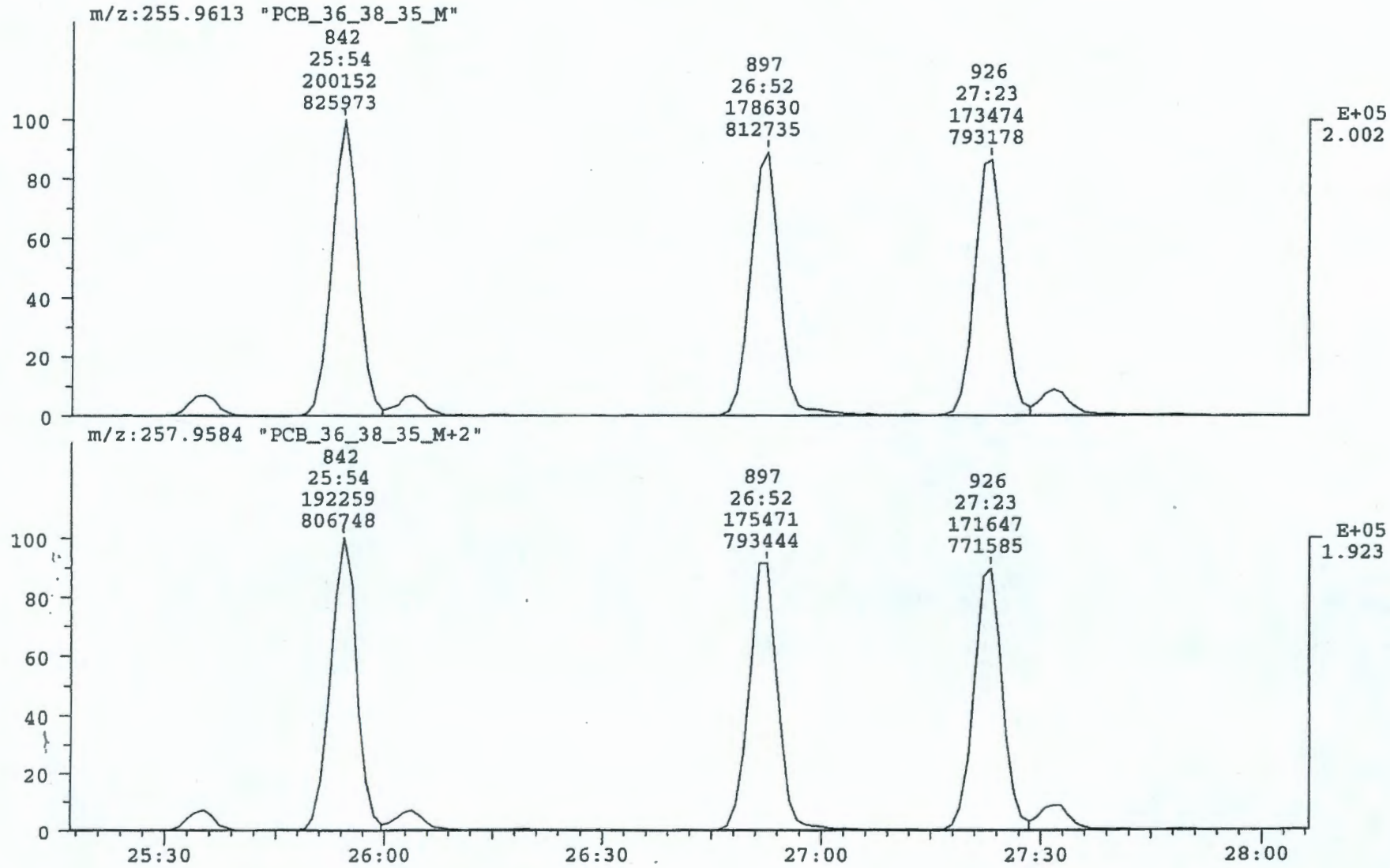
```
CHRO:  a07030713                                08-Mar-07   Elapse:  20:28.4     538
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   458 > 618             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



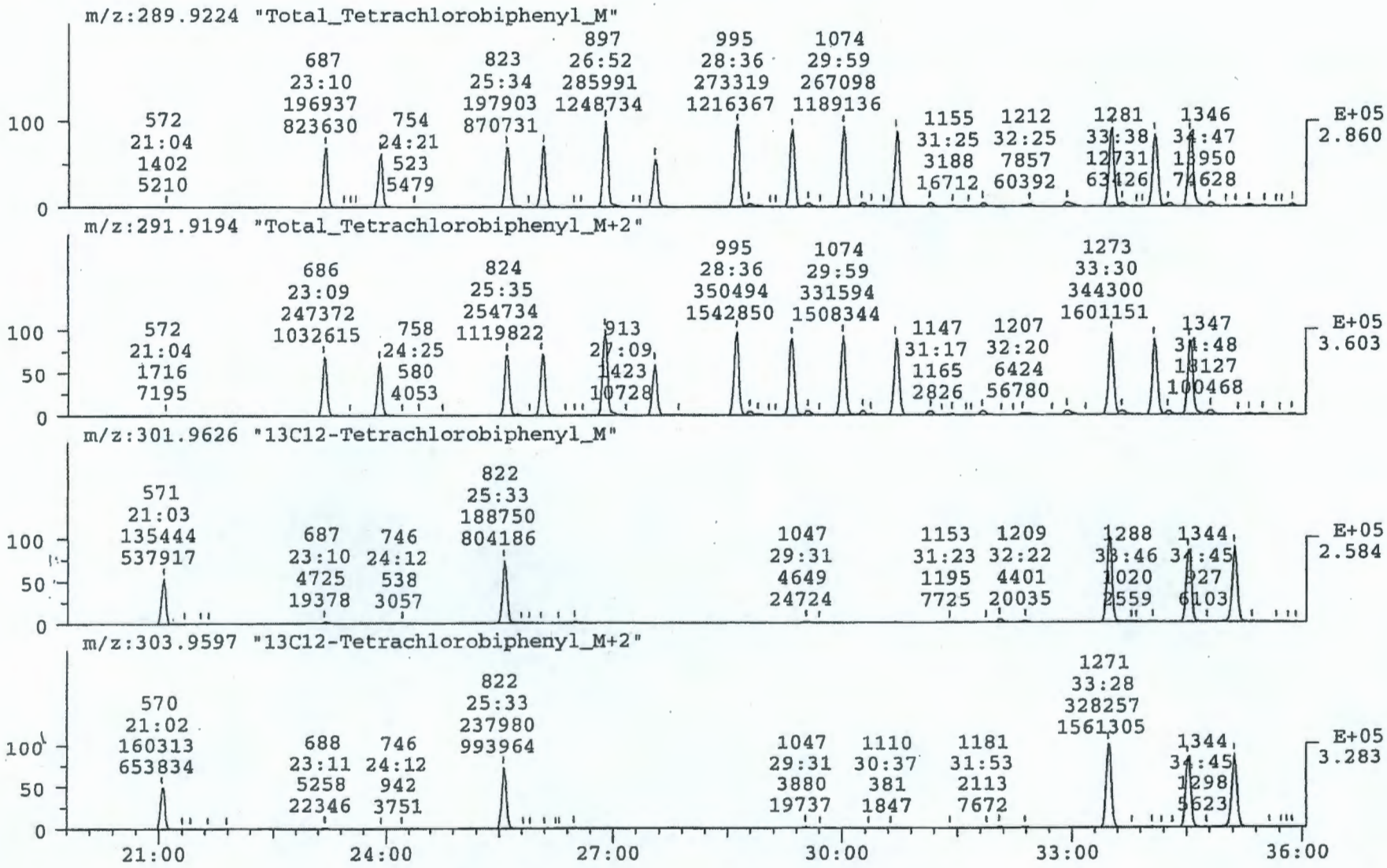
```
CHRO:  a07030713                                08-Mar-07  Elapse:  23:15.4      692
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29    2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   612 > 772           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



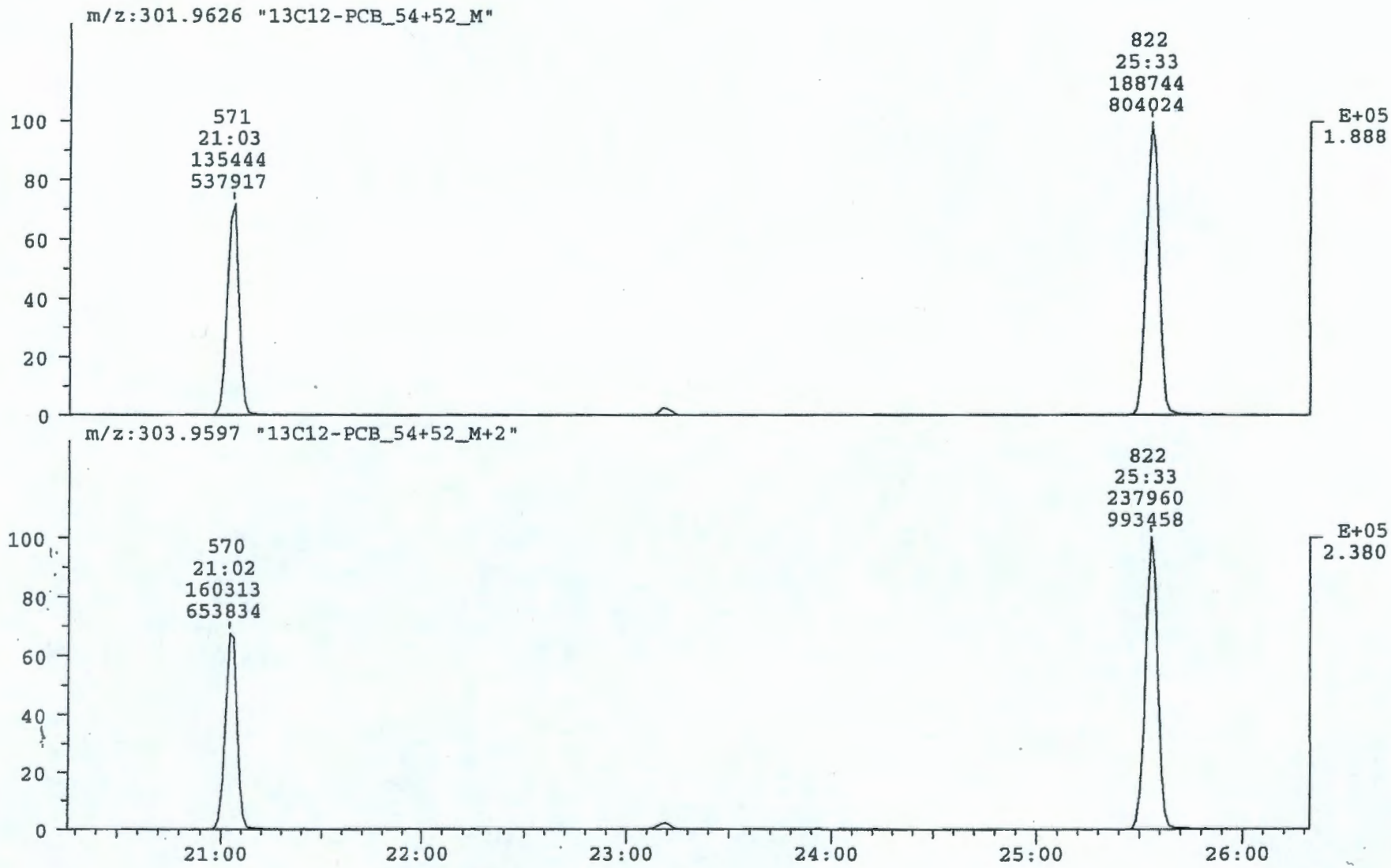
```
CHRO:  a07030713                                08-Mar-07   Elapse:  26:41.8      887
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29    2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   807 > 967             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



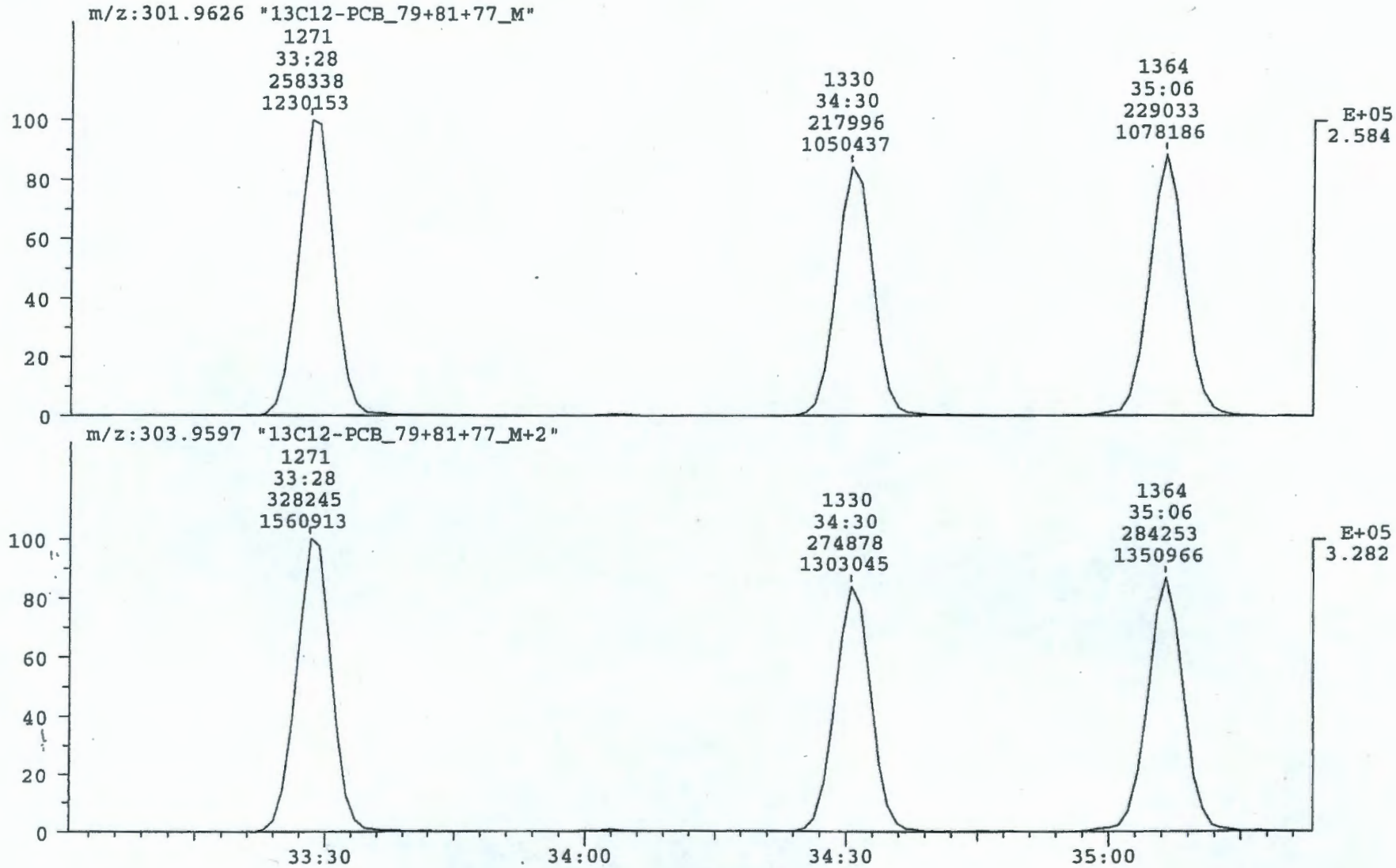
CHRO: a07030713 08-Mar-07 Elapse: 27:54.8 956
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 500 > 1418 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



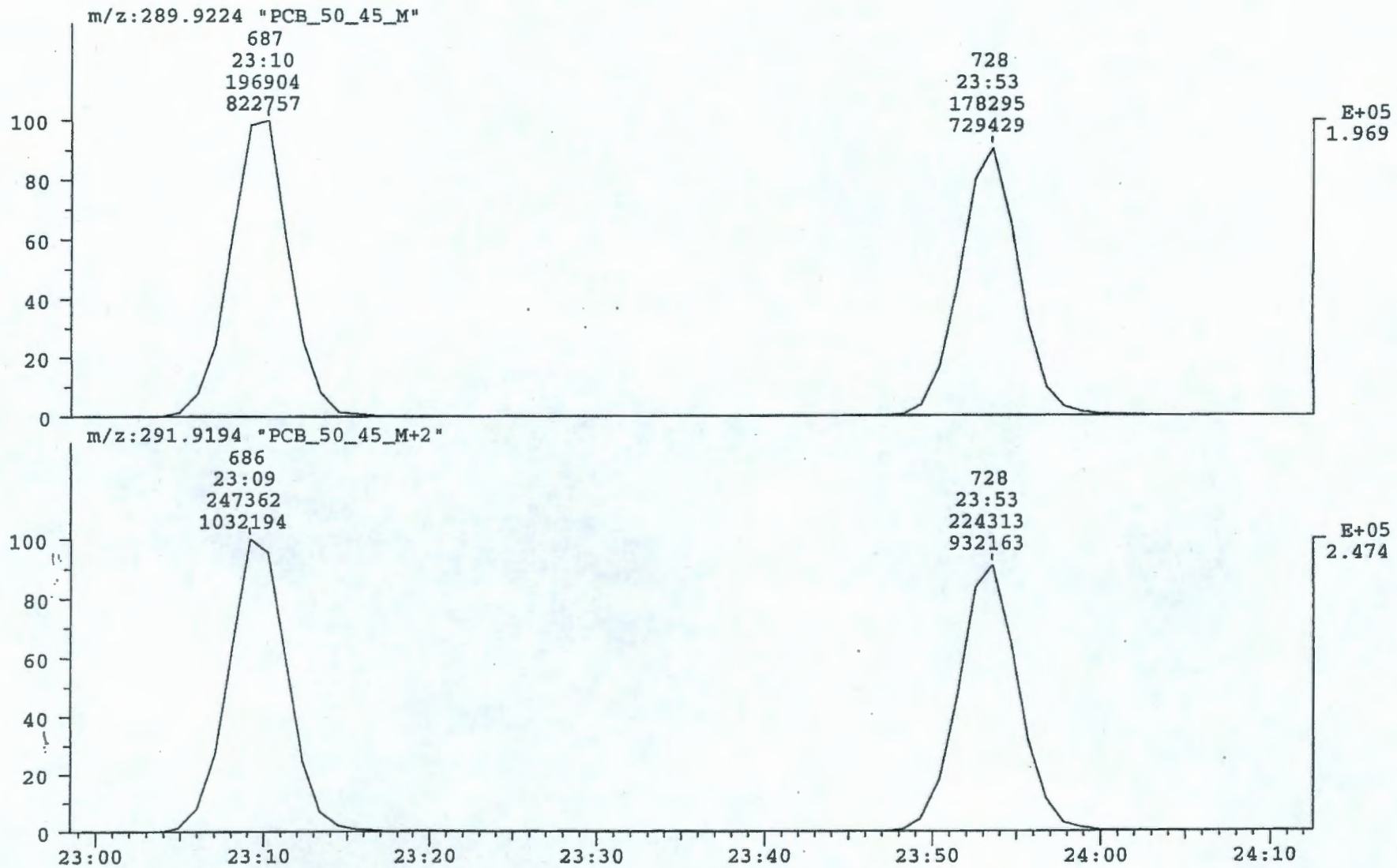
```
CHRO:  a07030713                                08-Mar-07  Elapse:  23:19.6      696
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29    2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   526 > 866           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



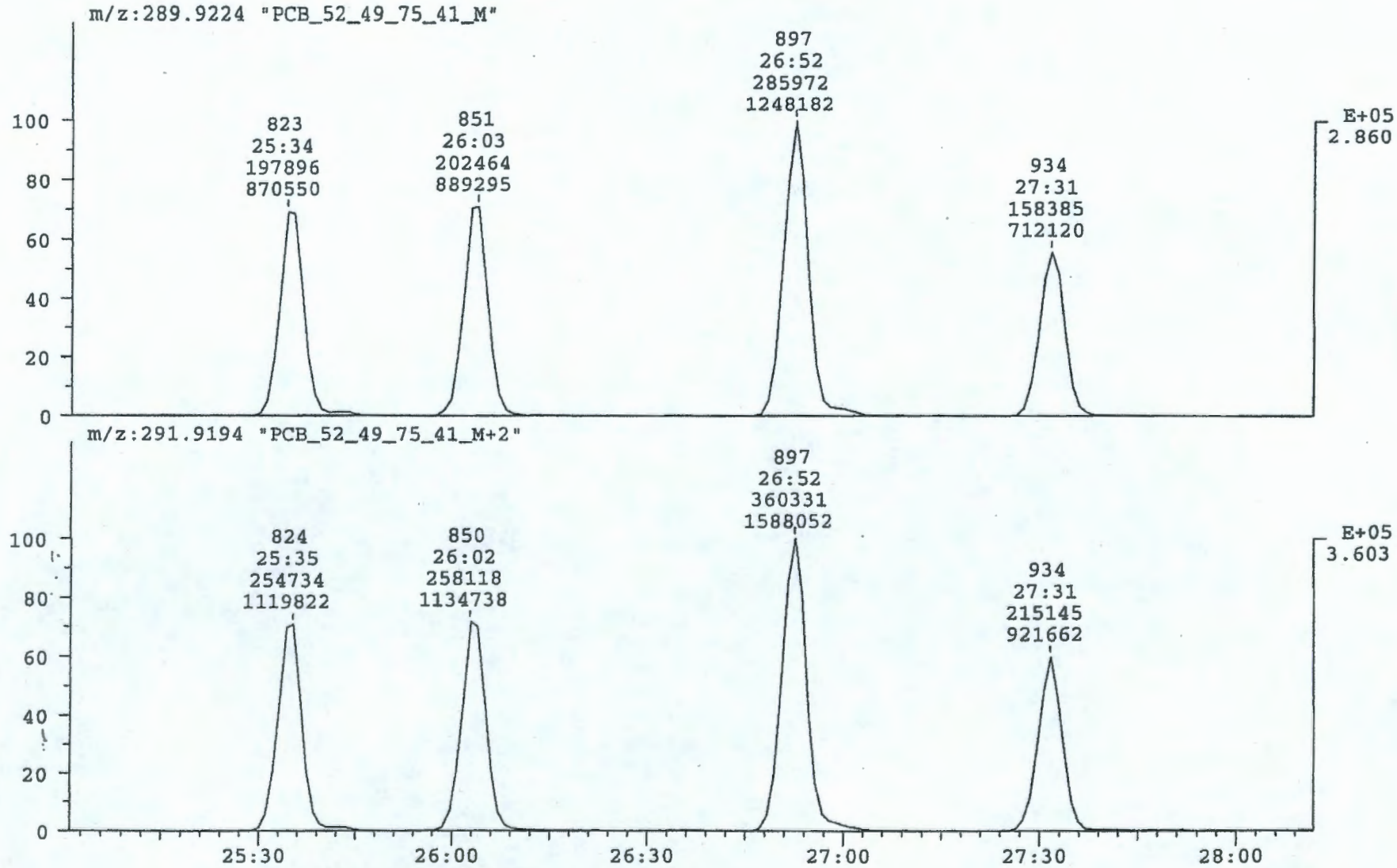
CHRO: a07030713 08-Mar-07 Elapse: 34:14 1315
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1245 > 1380 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



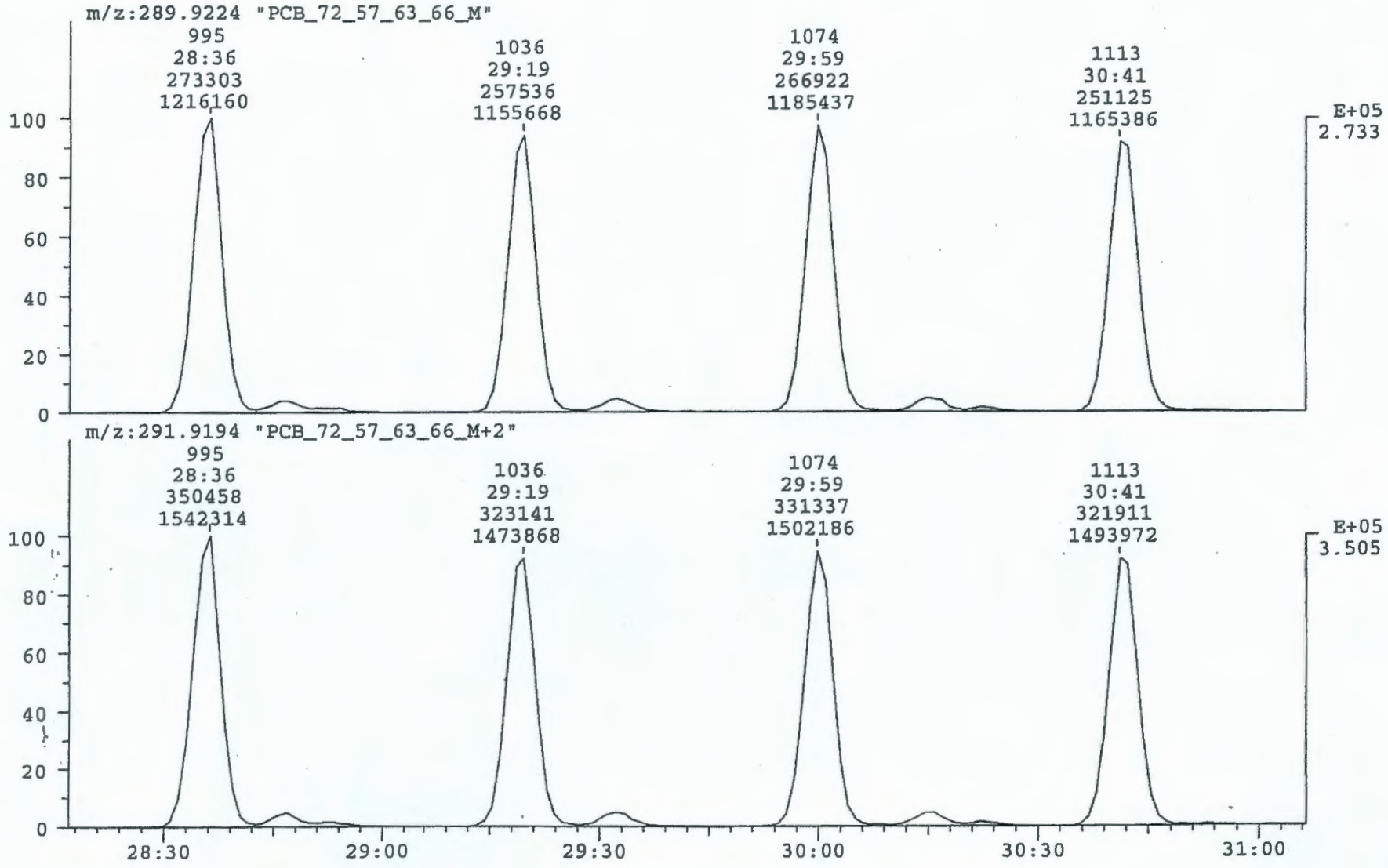
```
CHRO:  a07030713                                08-Mar-07   Elapse:  23:40.8      716
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29    2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   676 > 746             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



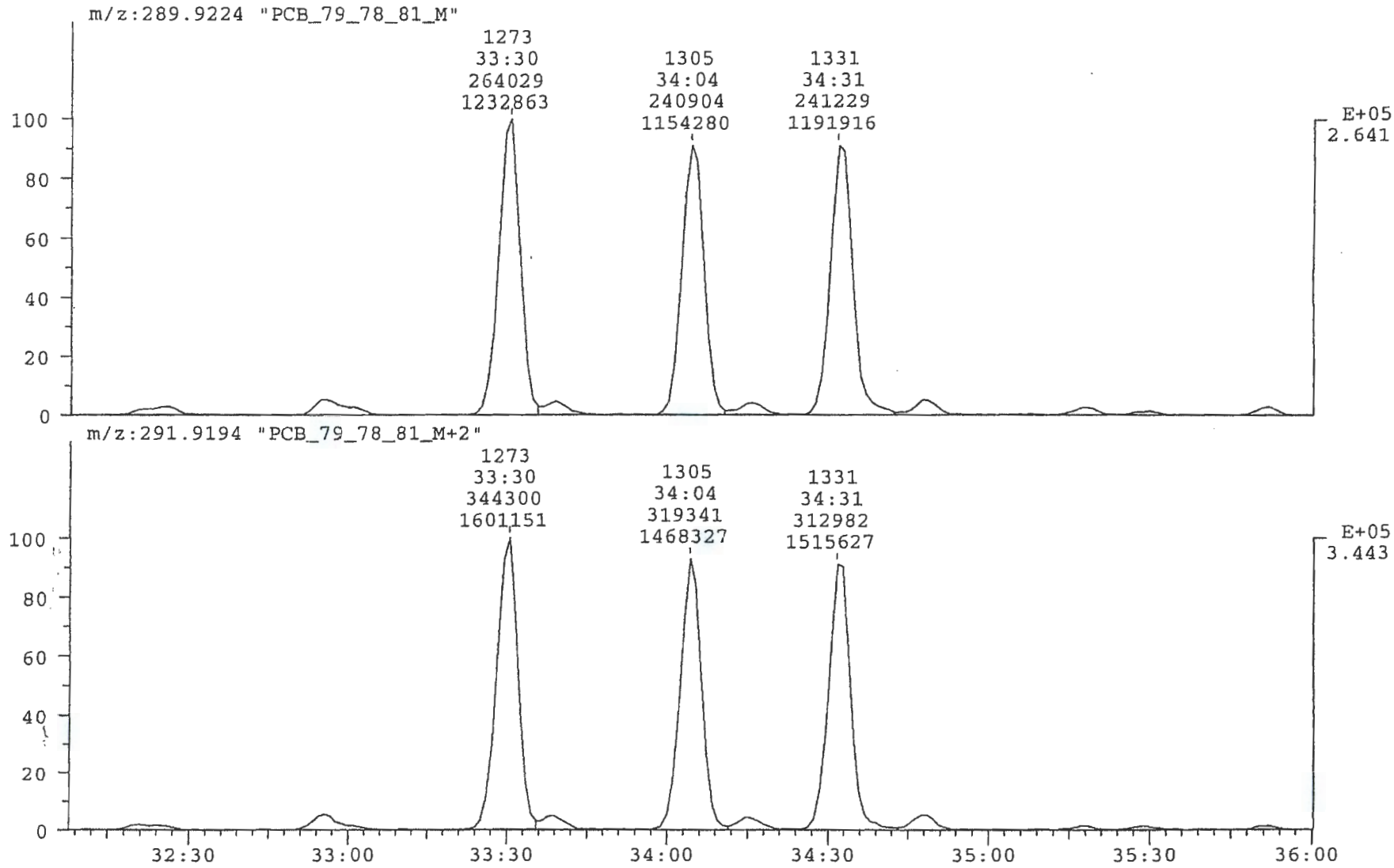
CHRO: a07030713 08-Mar-07 Elapse: 26:36.5 882
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 792 > 972 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



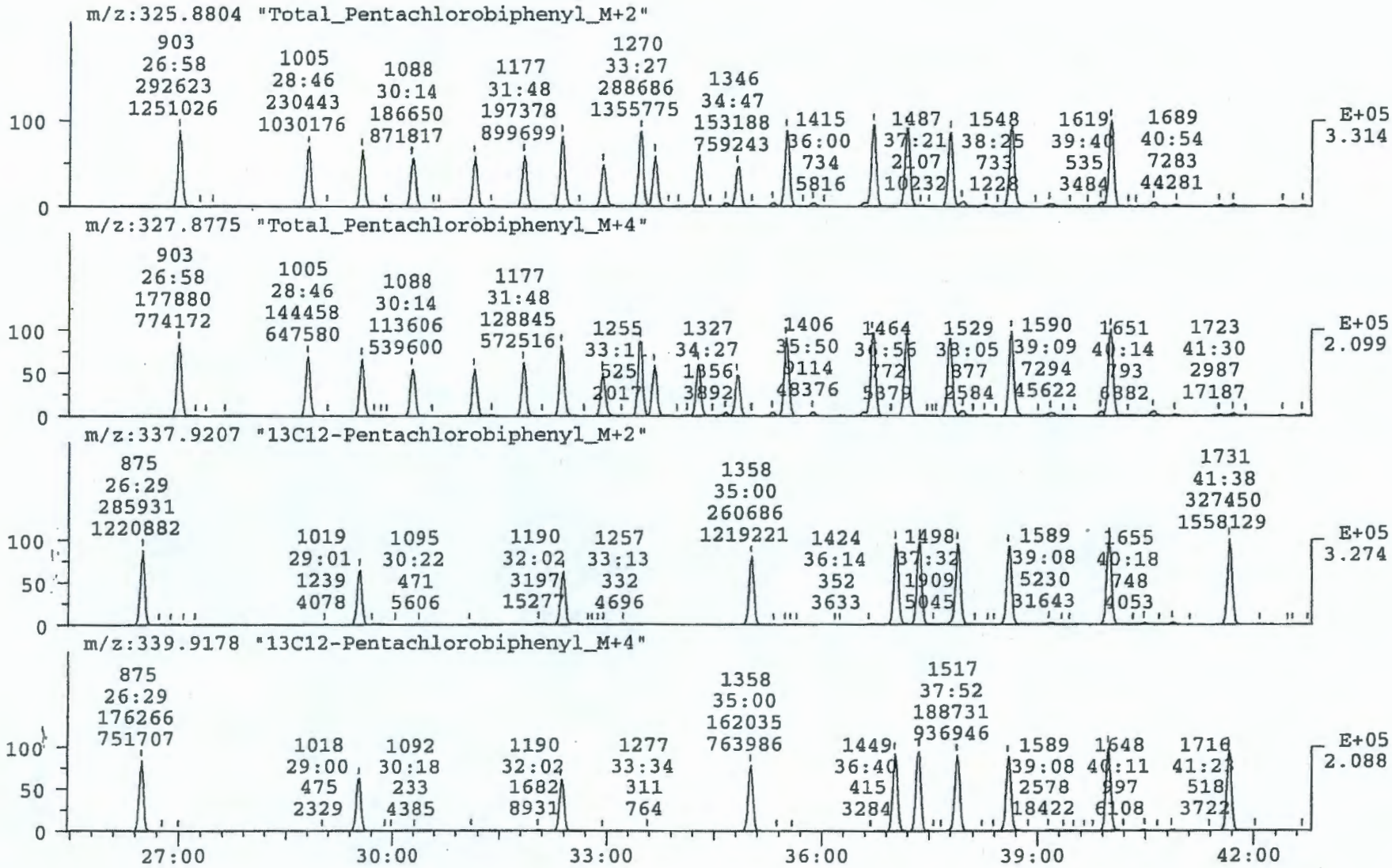
```
CHRO:  a07030713                                08-Mar-07   Elapse:  29:41      1057
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   977 > 1137            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



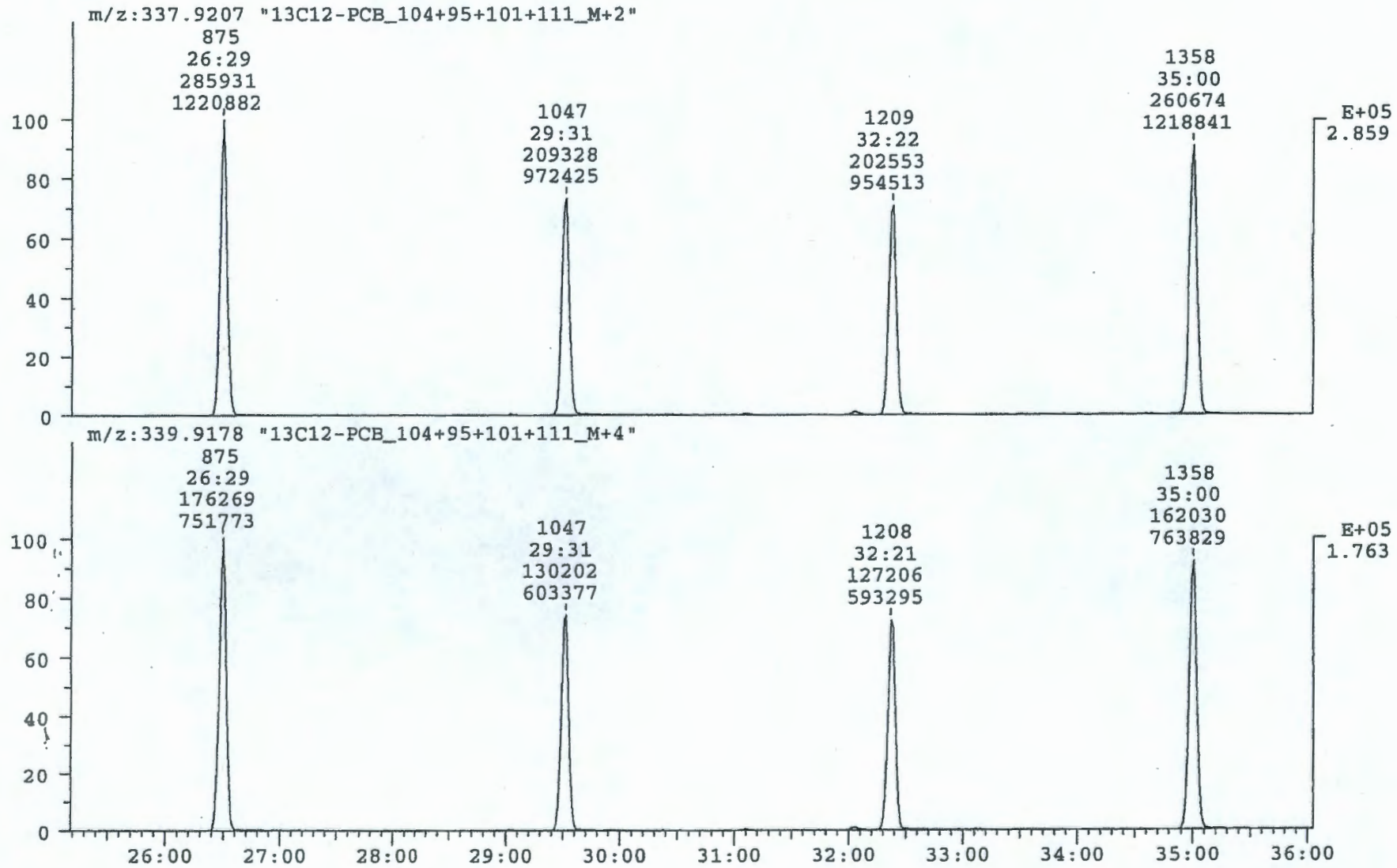
```
CHRO:  a07030713                                08-Mar-07   Elapse:  34:04      1305
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1195 > 1415           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



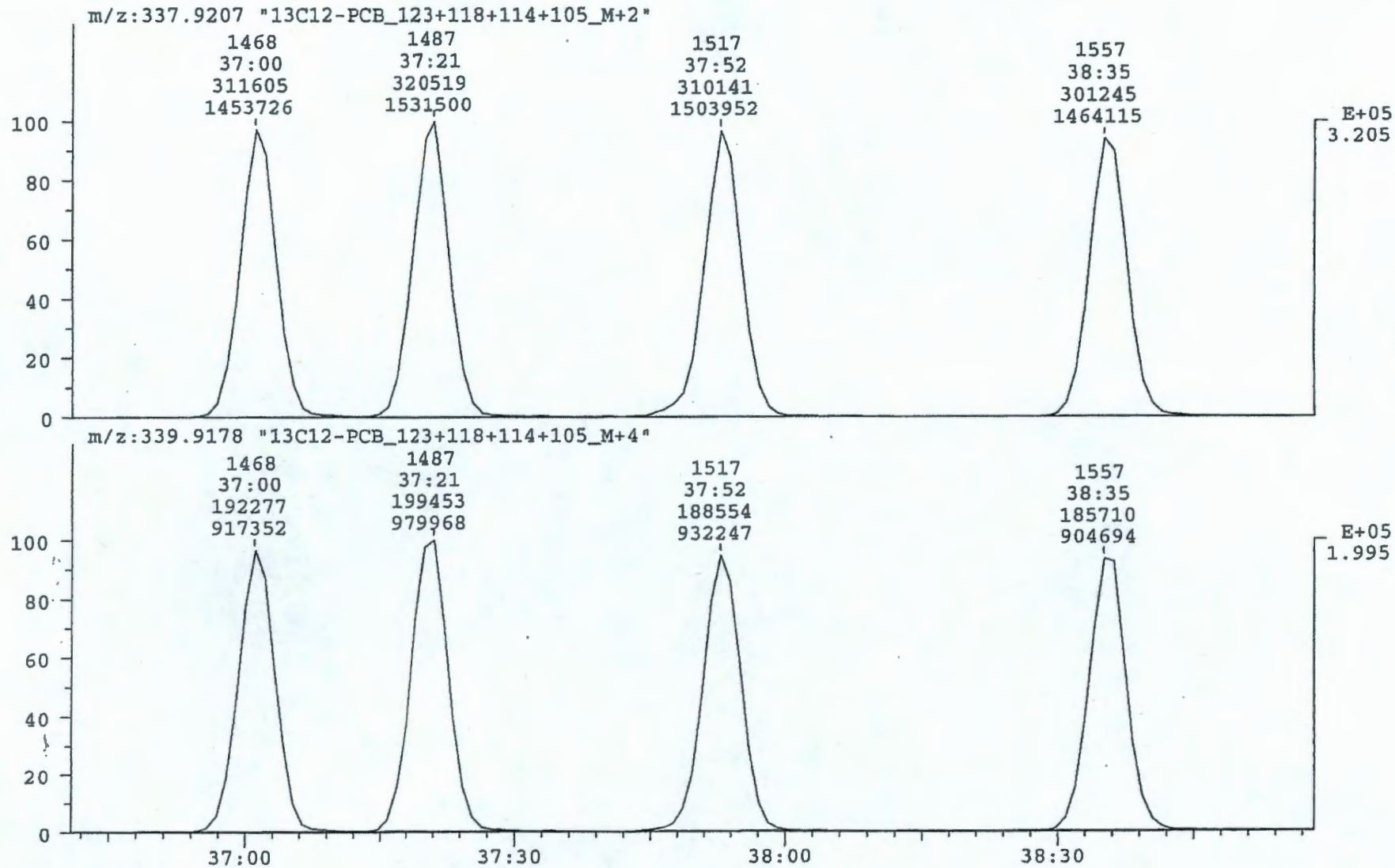
CHRO: a07030713 08-Mar-07 Elapse: 34:08 1309
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 817 > 1797 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



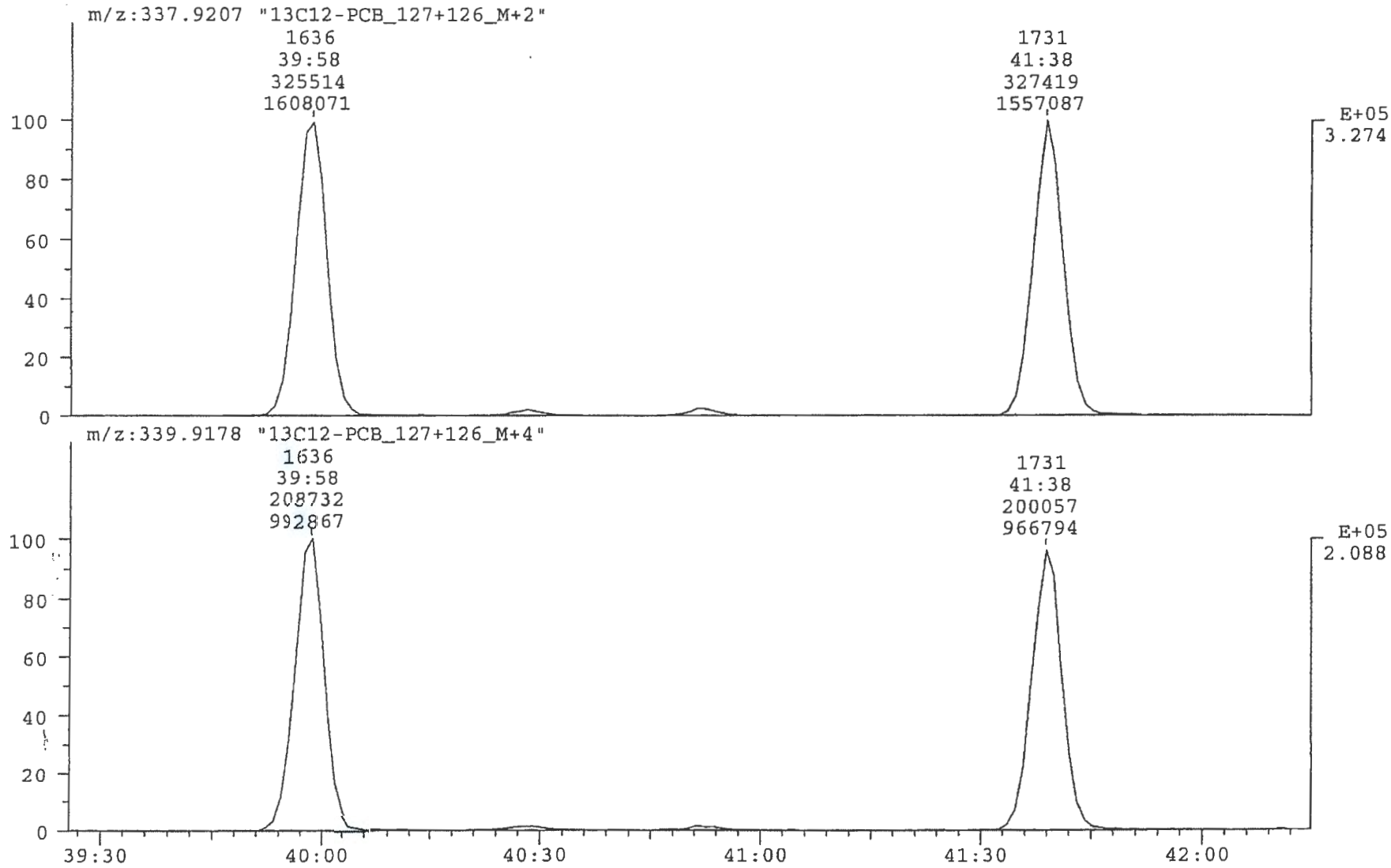
CHRO: a07030713 08-Mar-07 Elapse: 30:36 1109
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 801 > 1418 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



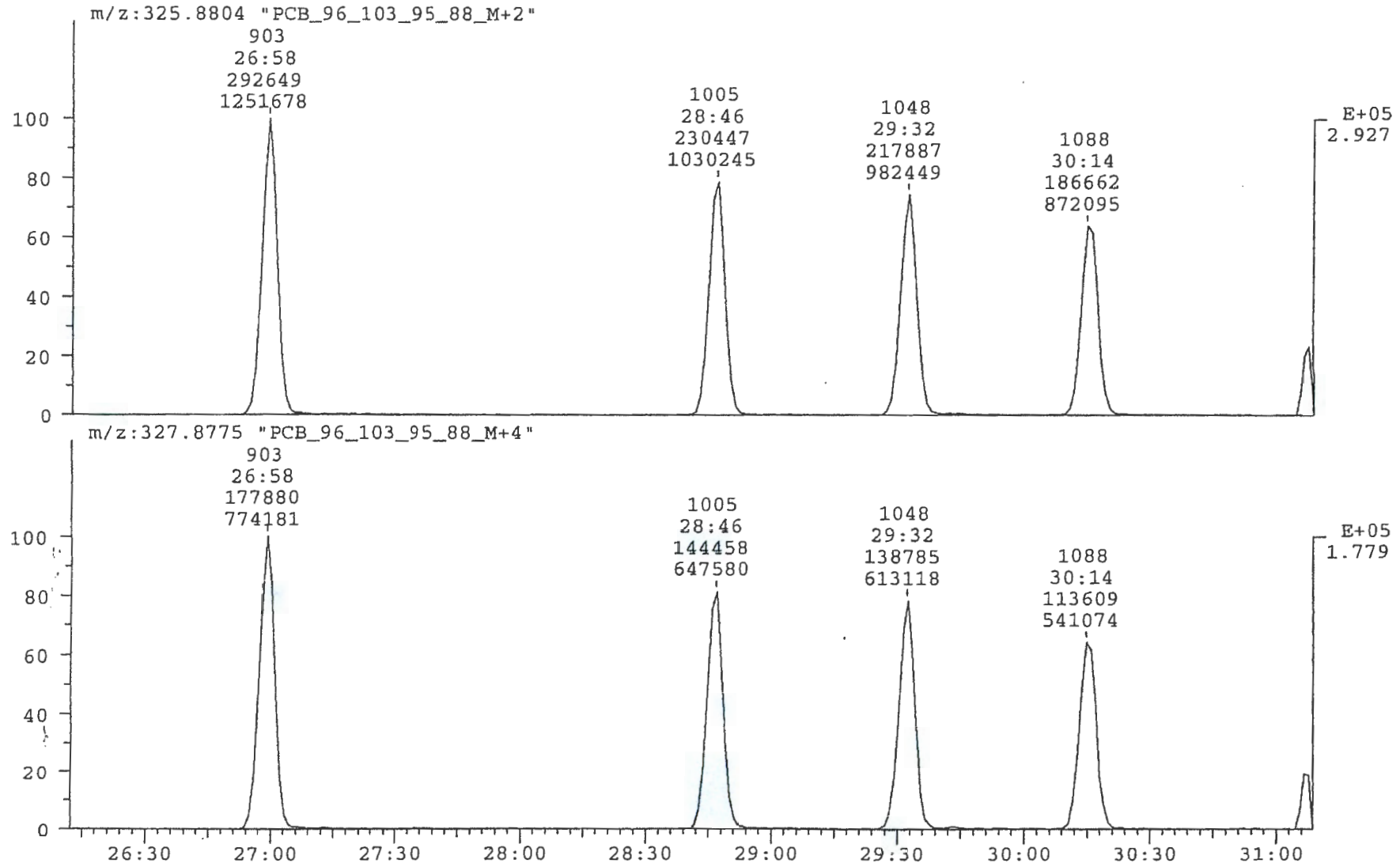
```
CHRO:  a07030713                                08-Mar-07  Elapse:  37:49      1514
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1449 > 1579         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



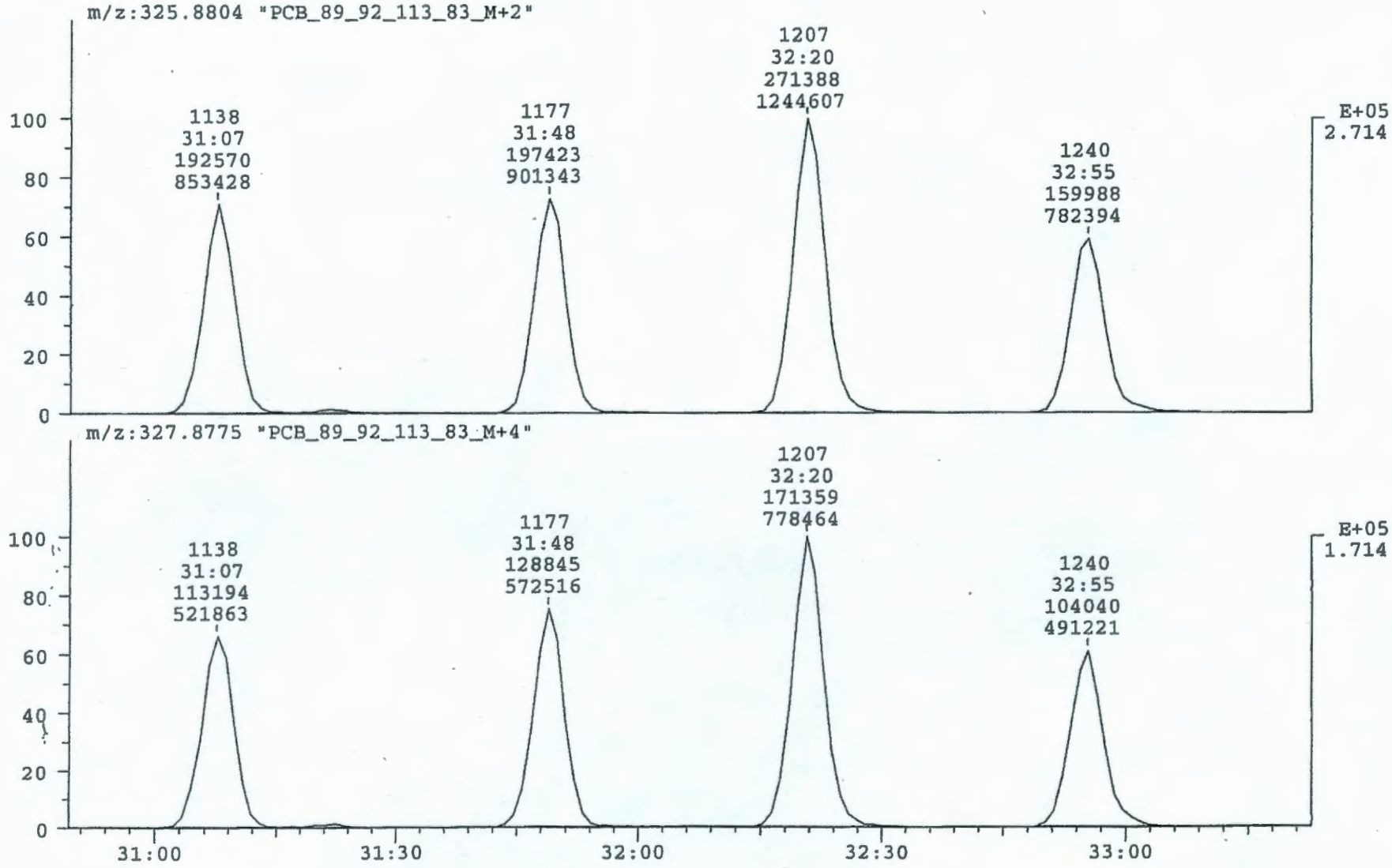
```
CHRO:  a07030713                                08-Mar-07   Elapse:  40:50      1685
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
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
```



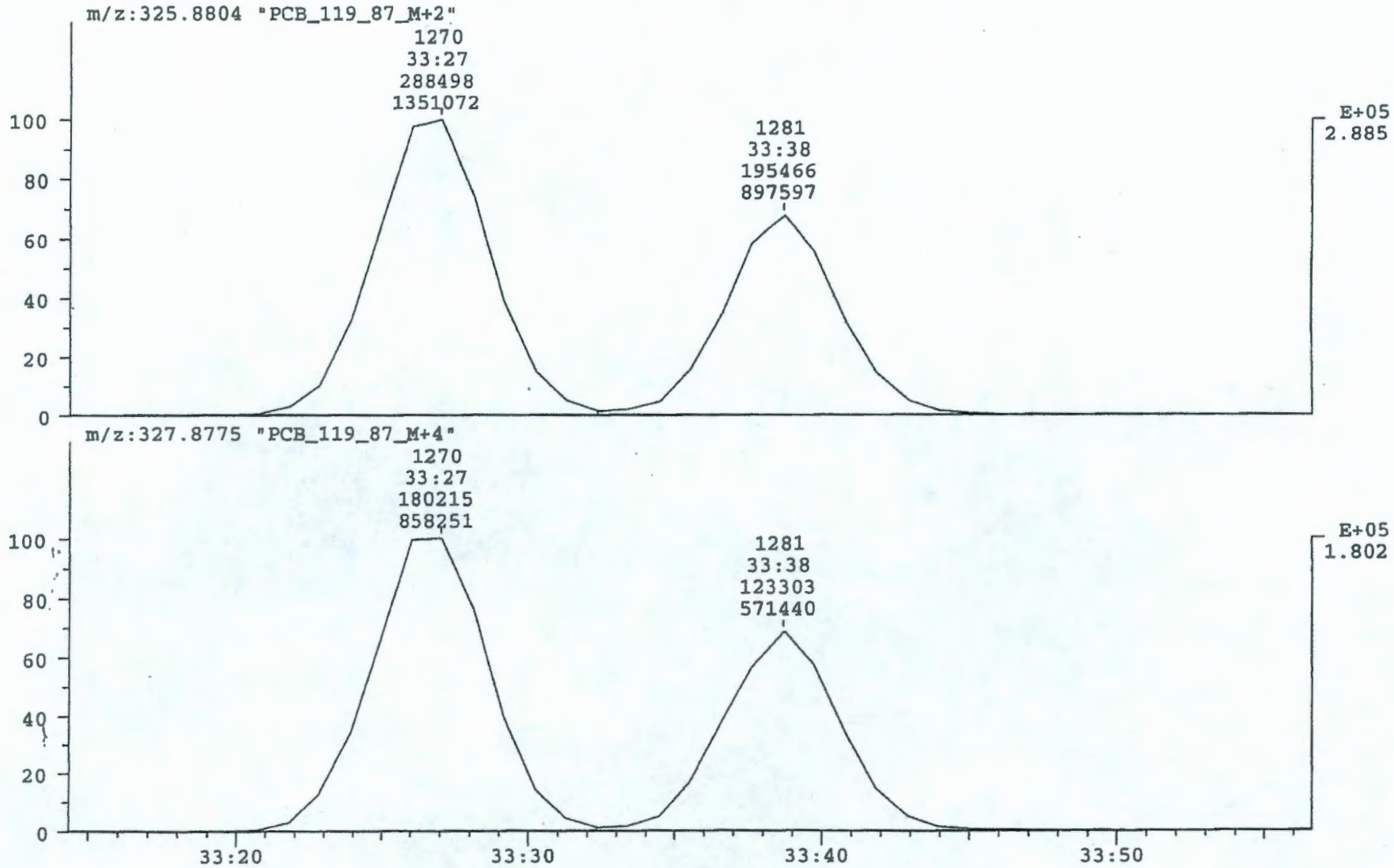
CHRO: a07030713 08-Mar-07 Elapse: 28:40.3 999
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 859 > 1139 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



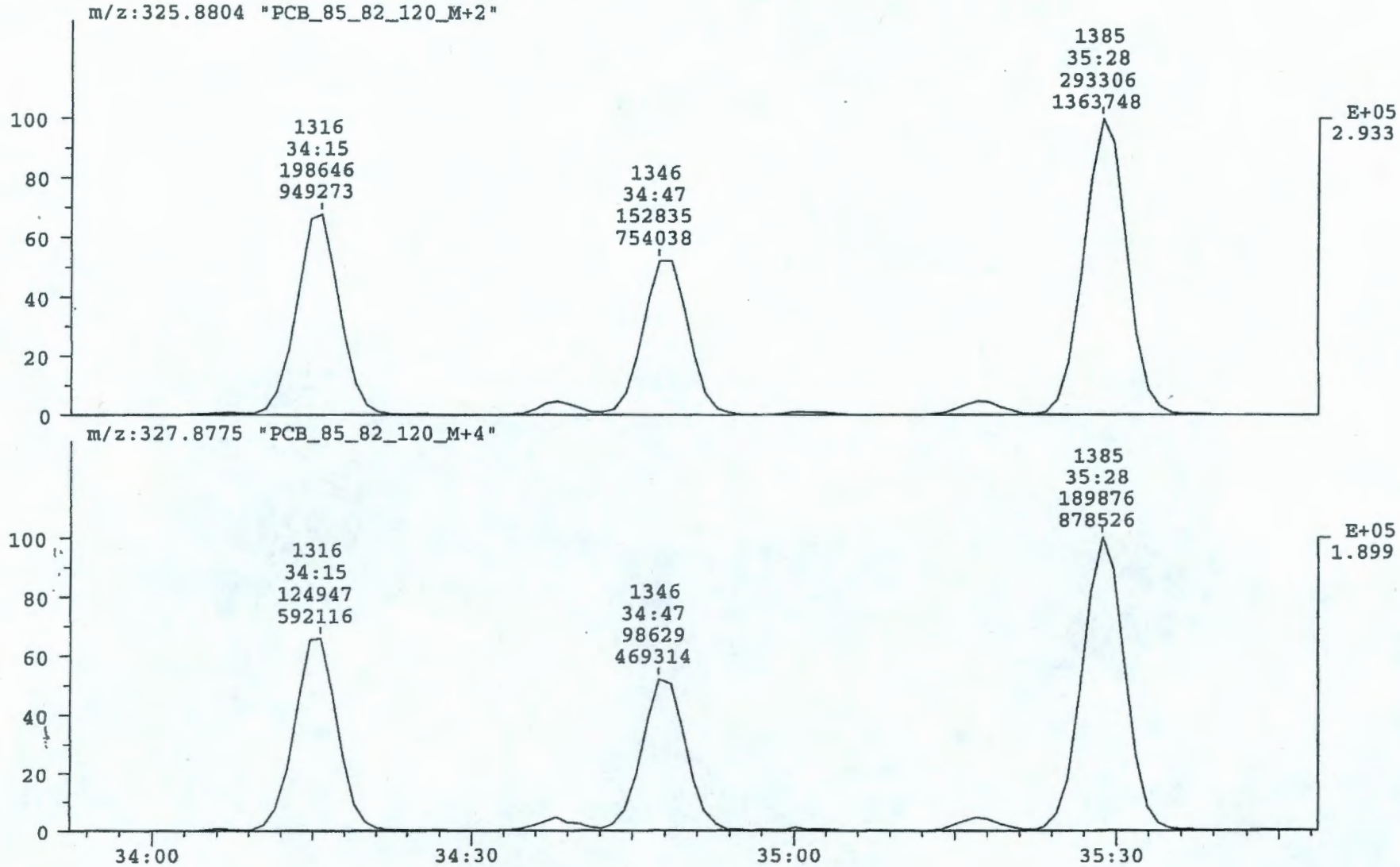
```
CHRO:  a07030713                                08-Mar-07   Elapse:  32:03      1191
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1121 > 1266            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



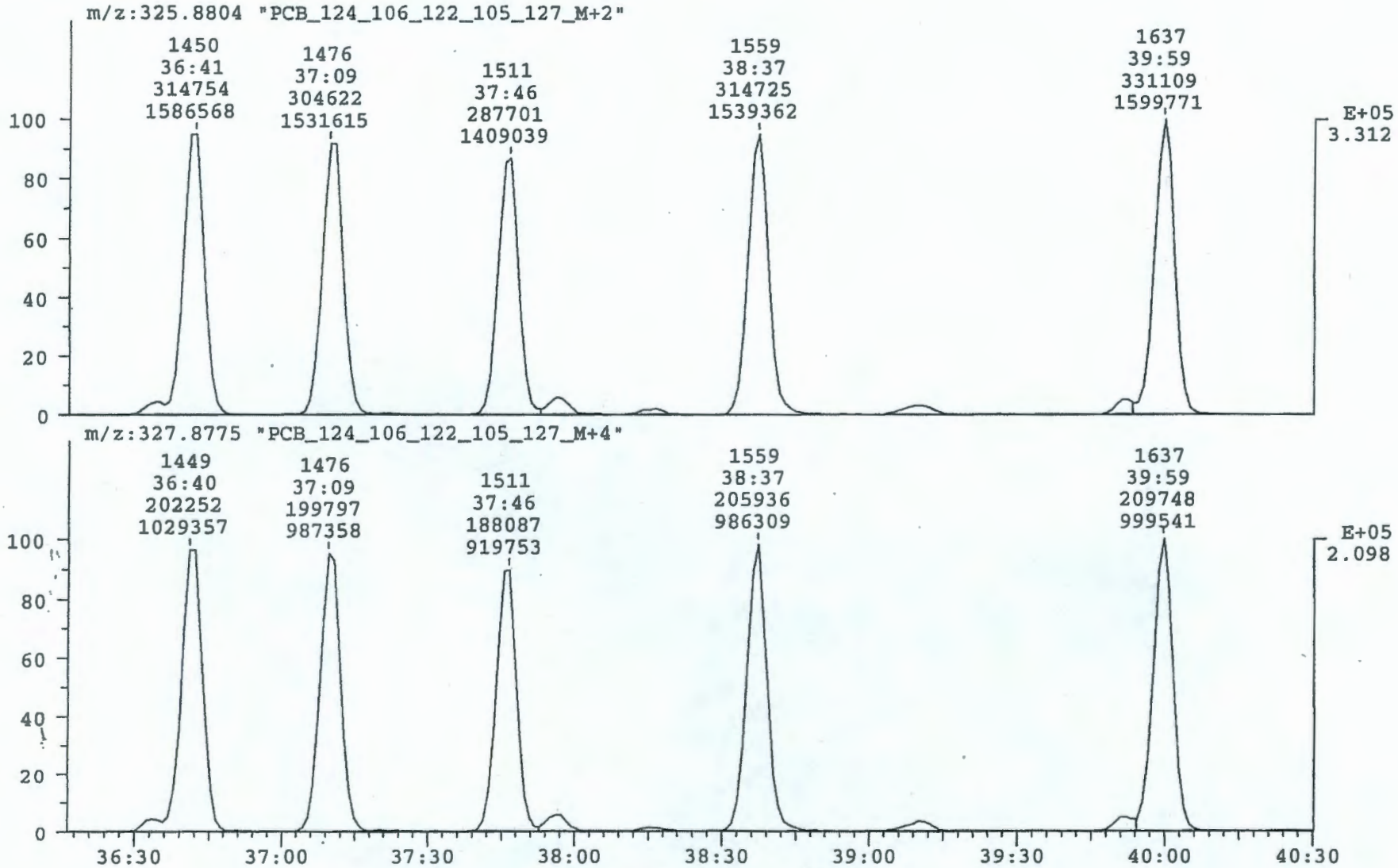
```
CHRO:  a07030713                                08-Mar-07  Elapse:  33:35      1278
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1258 > 1298         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



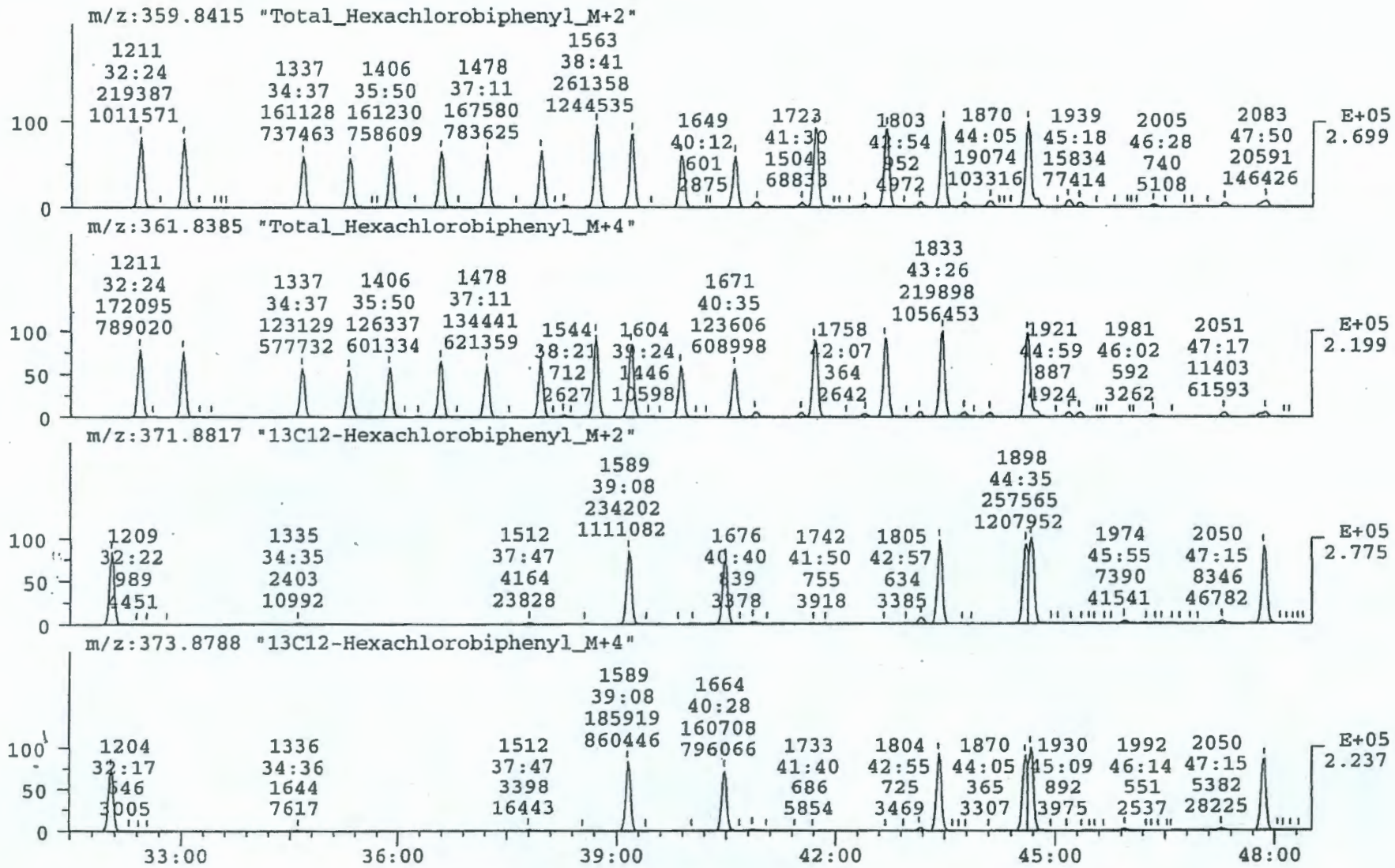
CHRO: a07030713 08-Mar-07 Elapse: 34:40 1339
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1294 > 1404 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



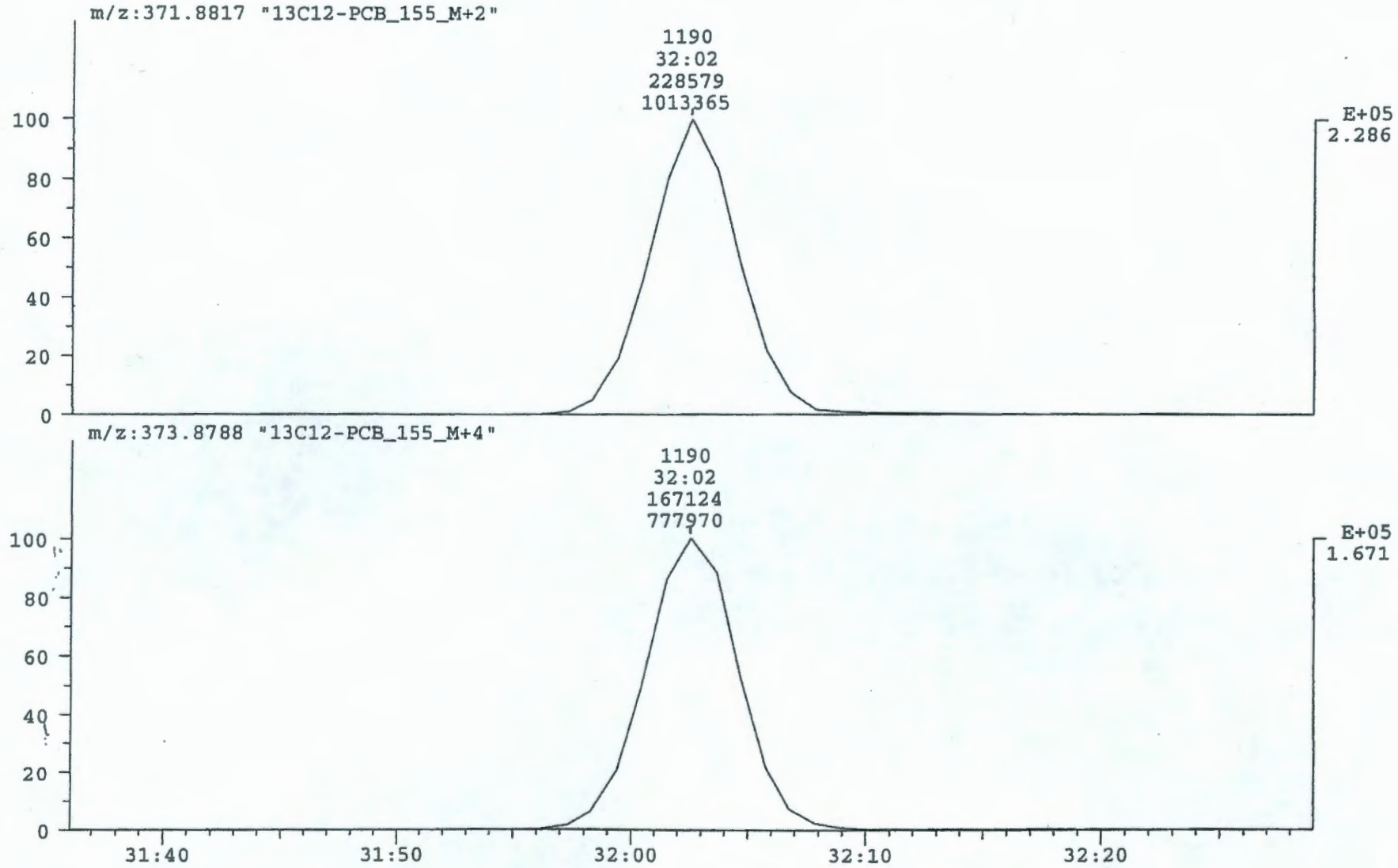
```
CHRO:  a07030713                                08-Mar-07  Elapse:  38:28      1551
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29   2599
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1426 > 1666         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



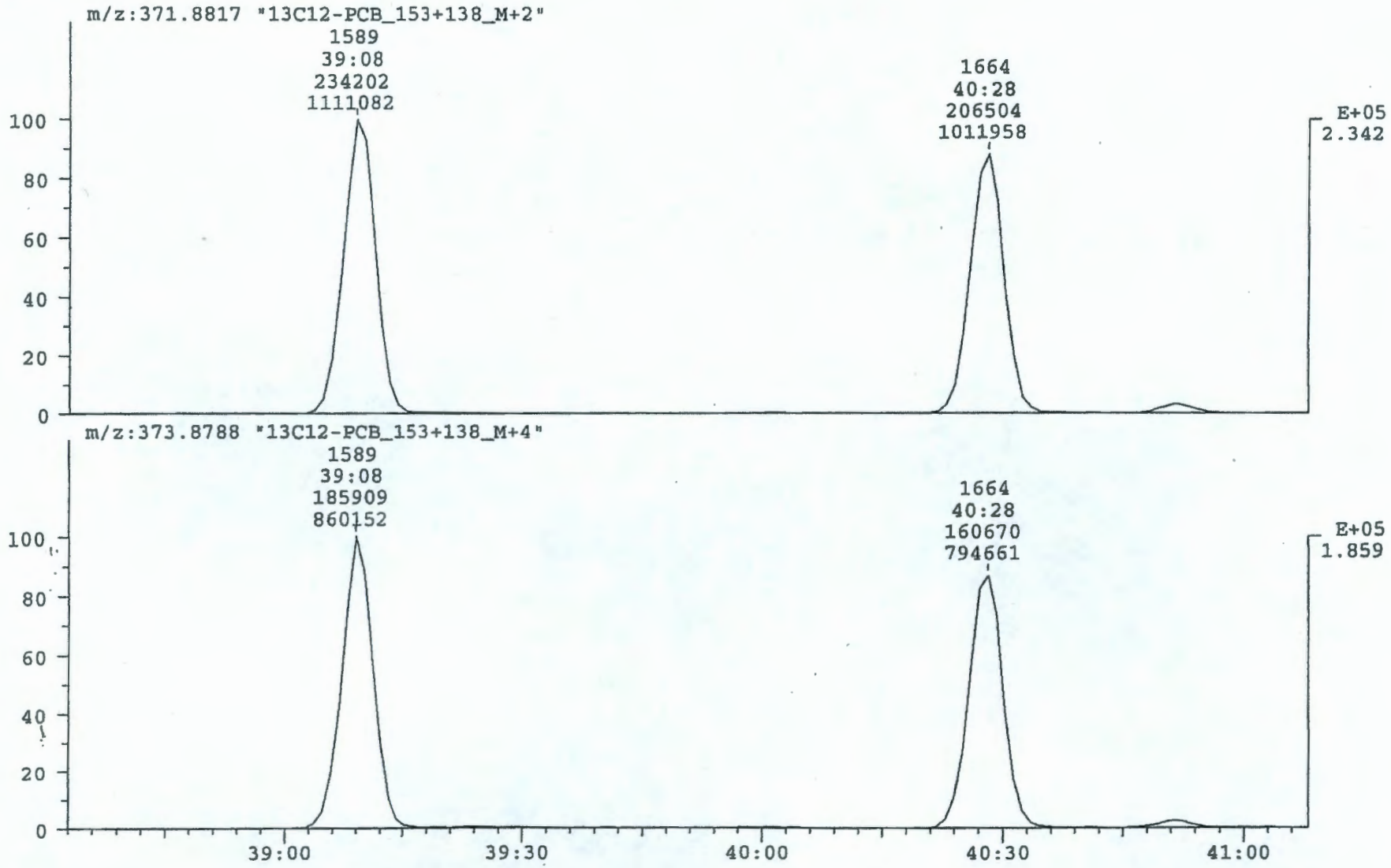
CHRO: a07030713 08-Mar-07 Elapse: 39:59 1637
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1158 > 2120 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



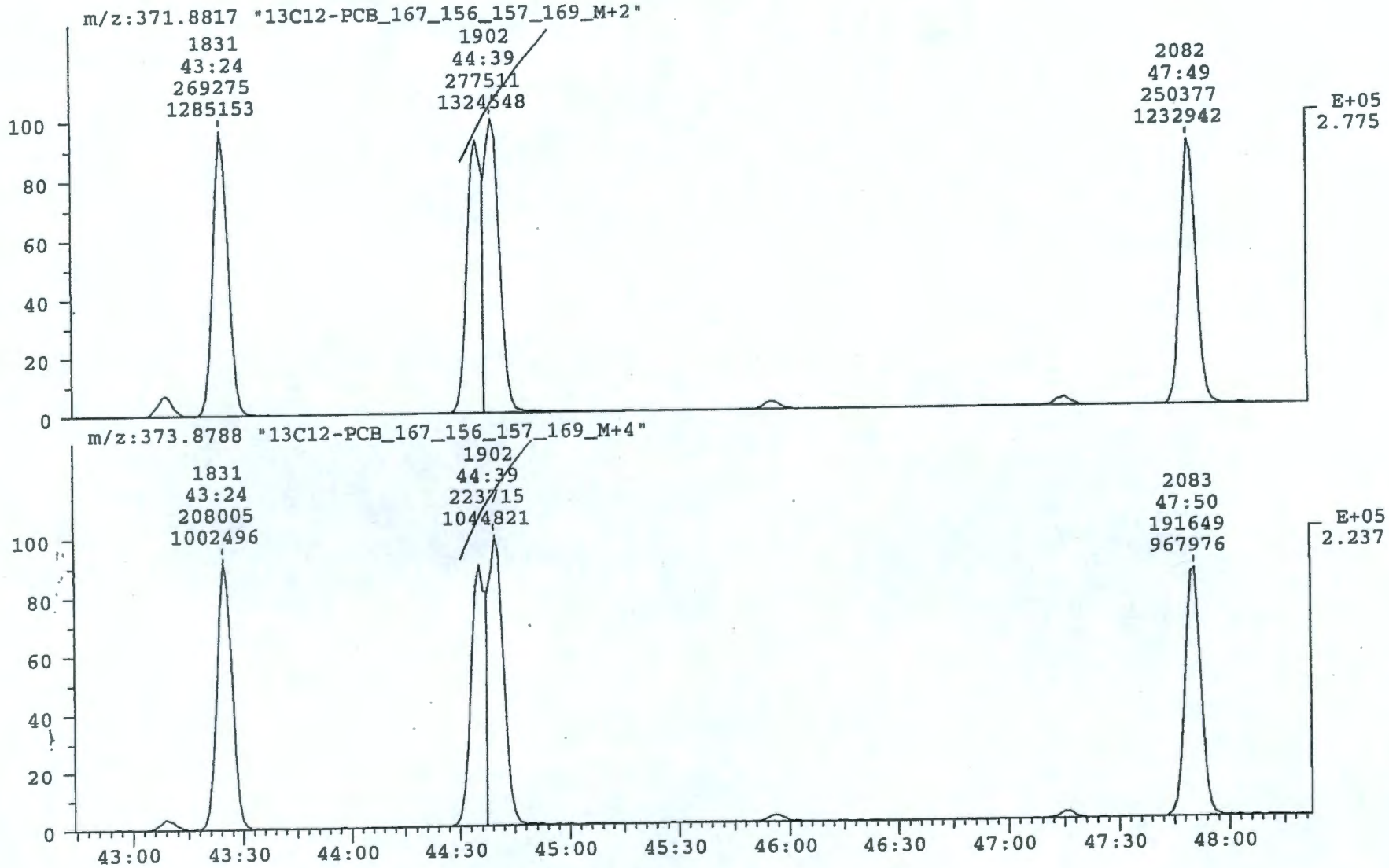
```
CHRO:  a07030713                                08-Mar-07  Elapse:  32:02      1190
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1165 > 1215         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



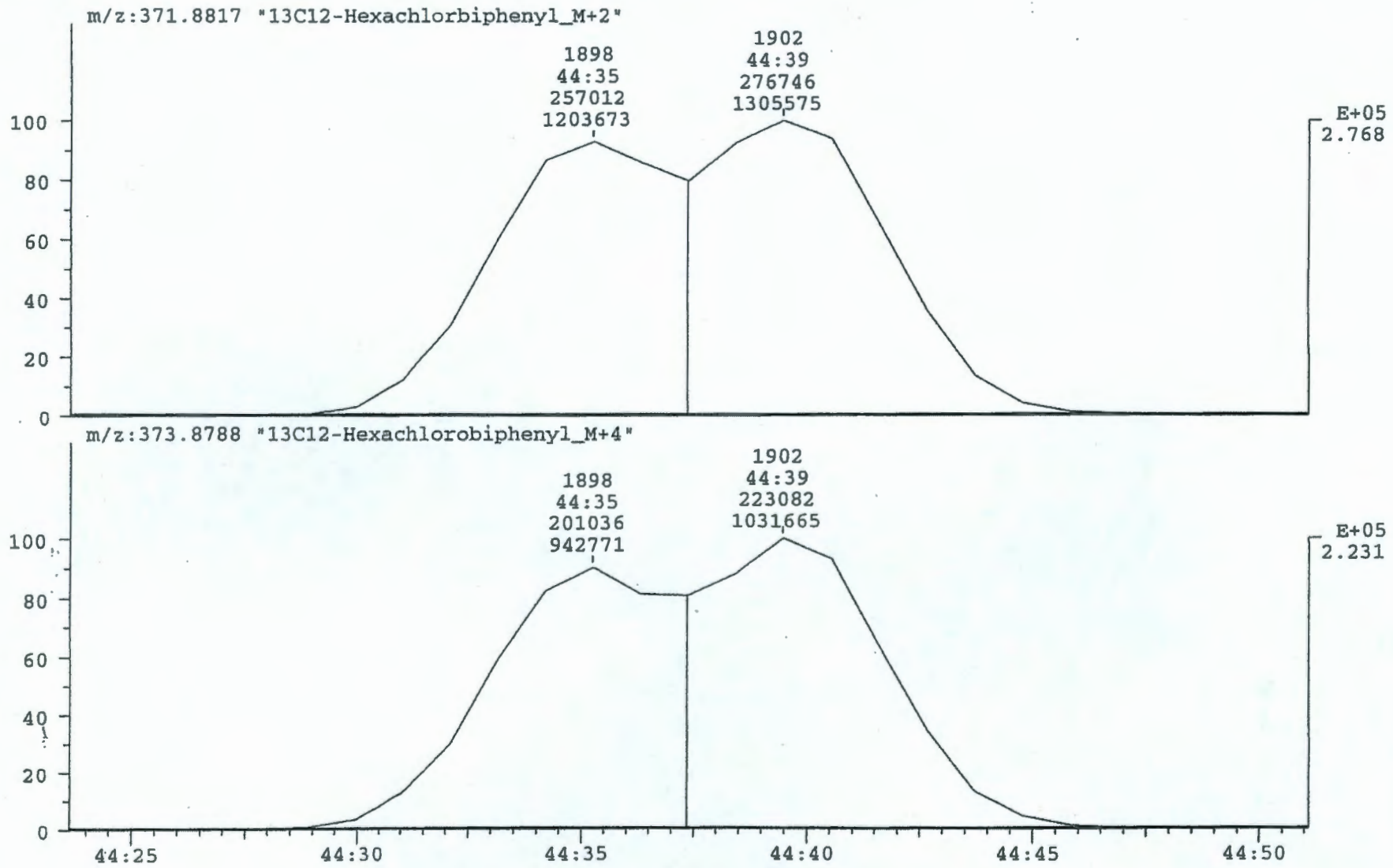
```
CHRO:  a07030713                                08-Mar-07   Elapse:  39:50      1628
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
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
```



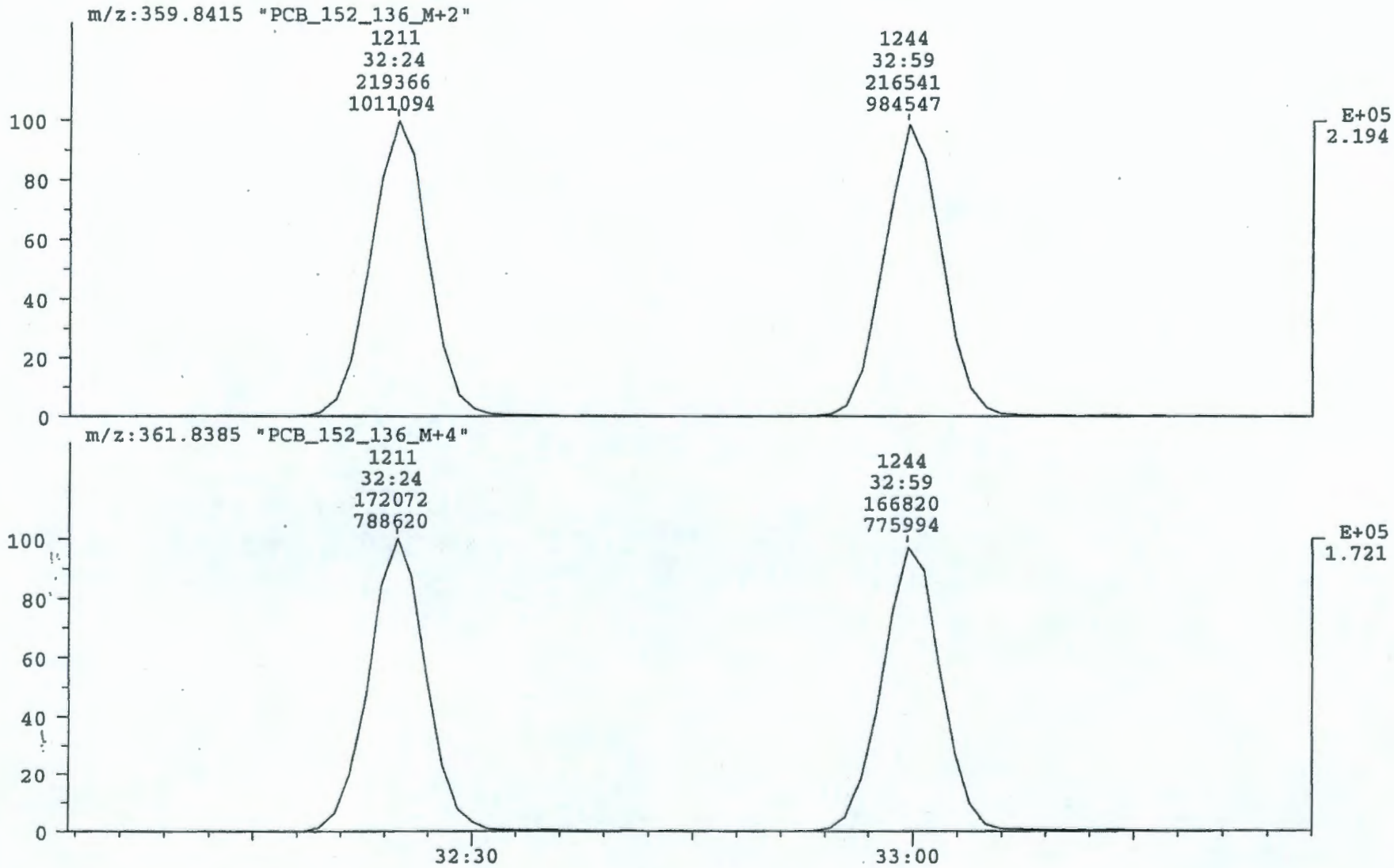
CHRO: a07030713 08-Mar-07 Elapse: 45:38 1958
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1793 > 2113 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



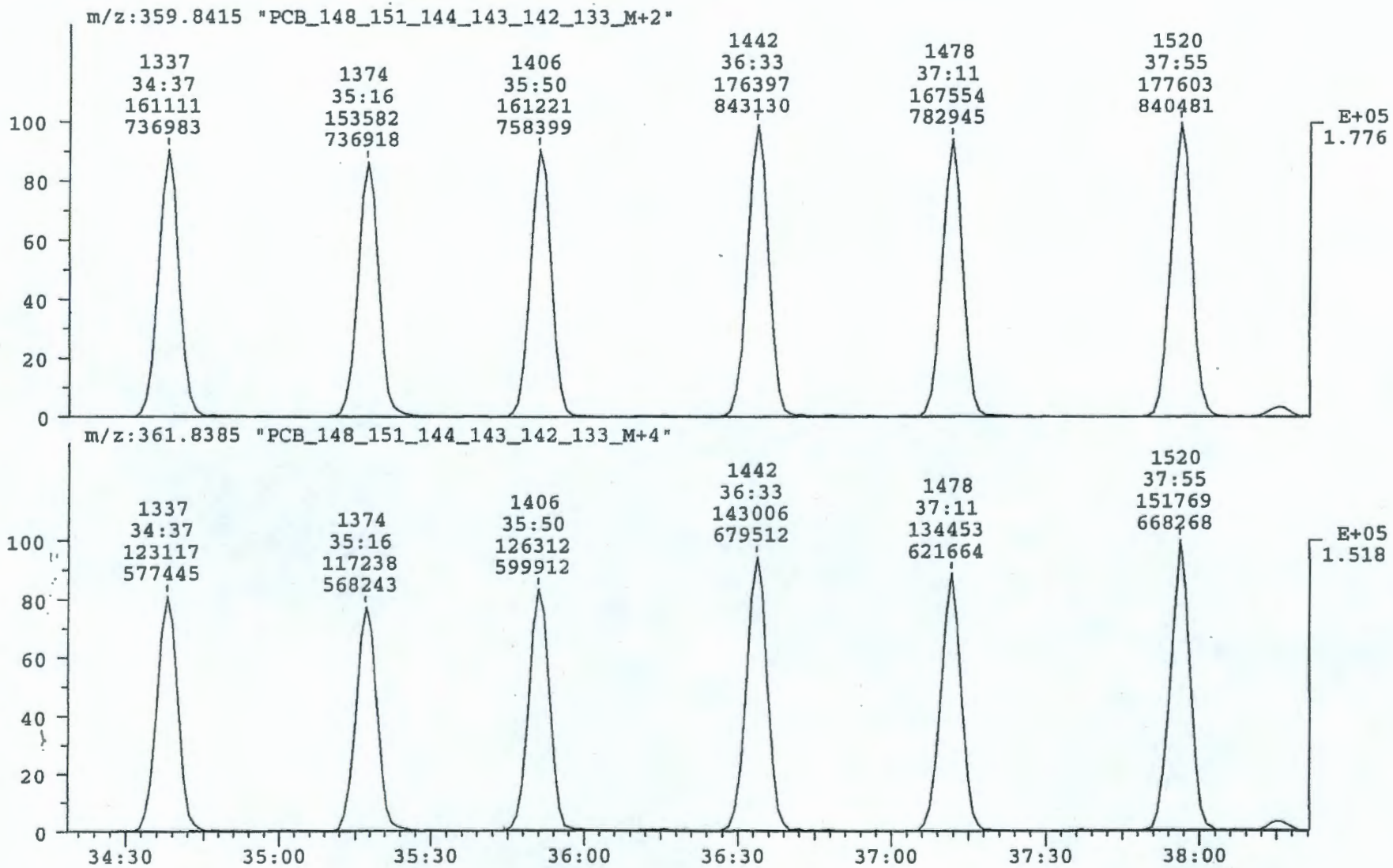
```
CHRO:  a07030713                                08-Mar-07   Elapse:  56:14      2555
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1887 > 1913            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



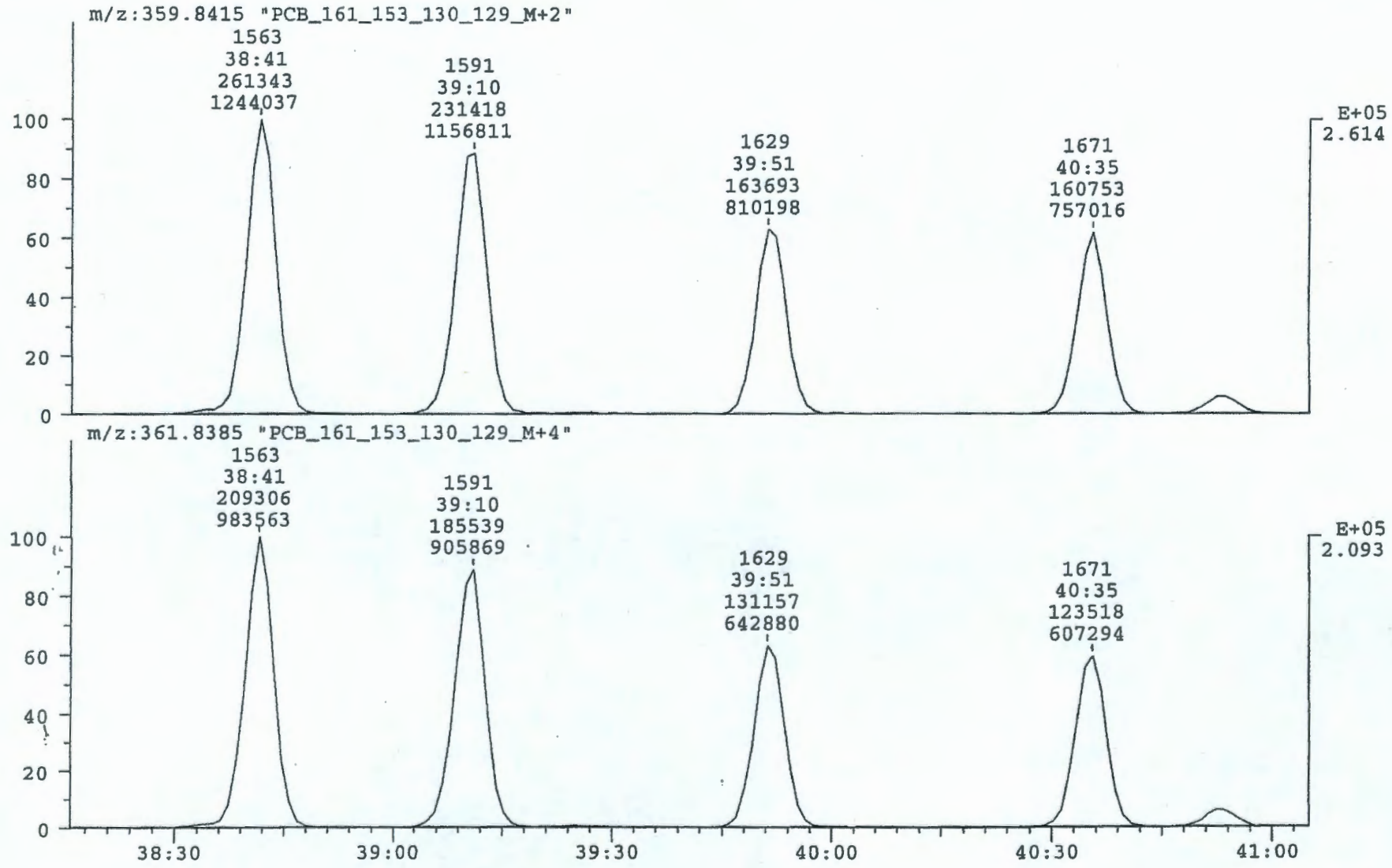
```
CHRO:  a07030713                                08-Mar-07   Elapse:  32:44      1230
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1190 > 1270           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



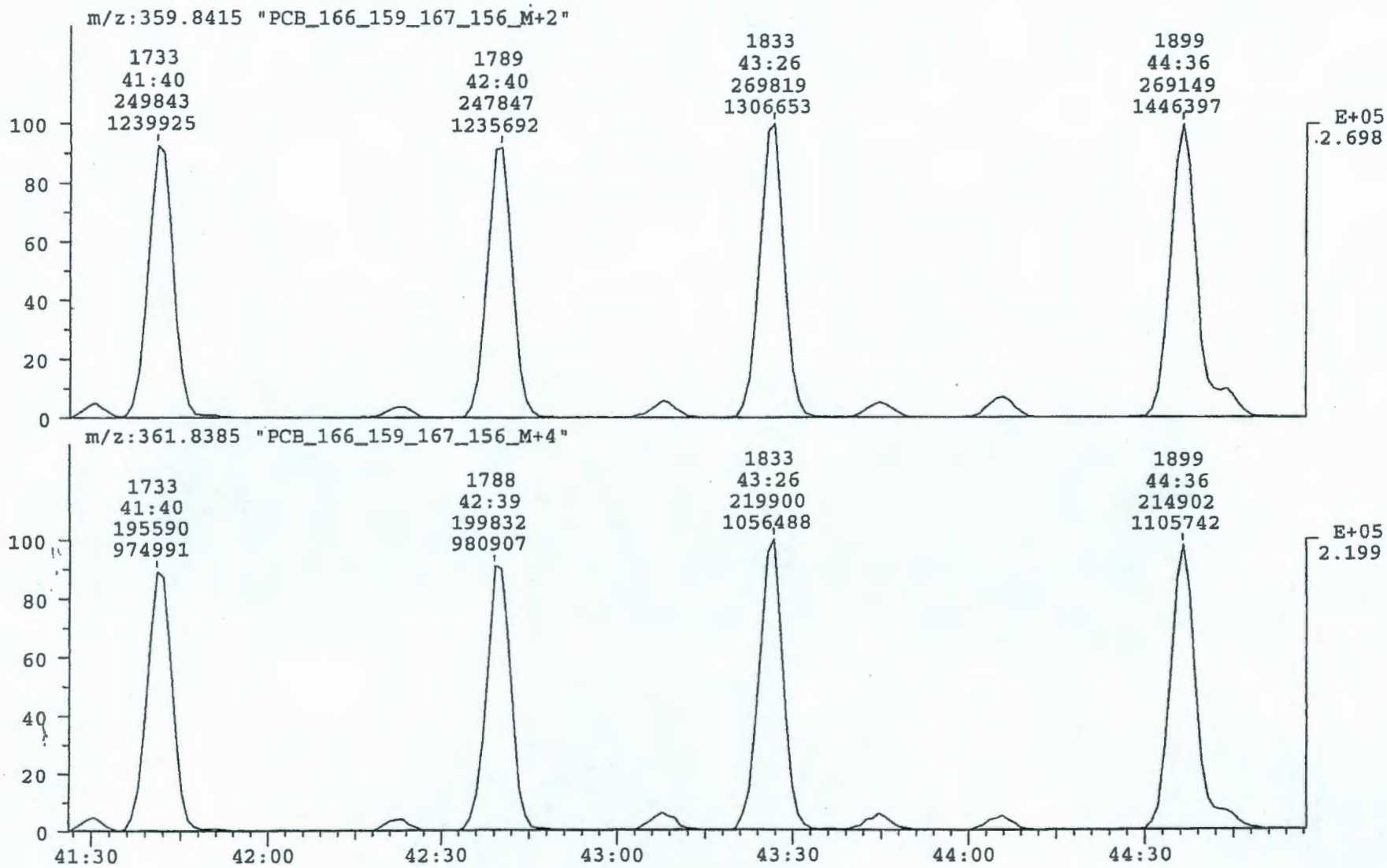
```
CHRO:  a07030713                                08-Mar-07   Elapse:  36:19      1429
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1319 > 1544           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



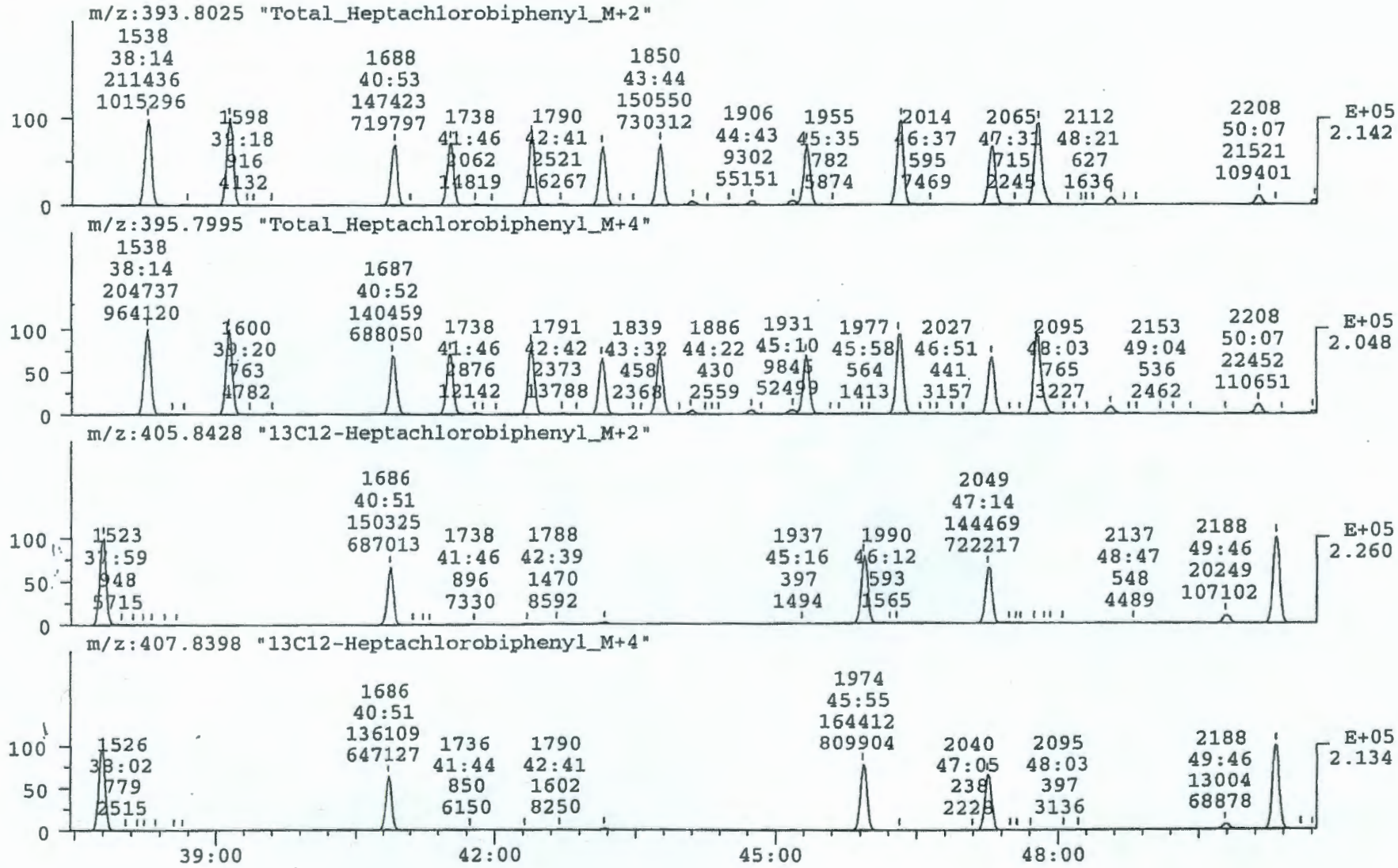
```
CHRO:  a07030713                                08-Mar-07  Elapse:  39:40      1619
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1539 > 1699         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



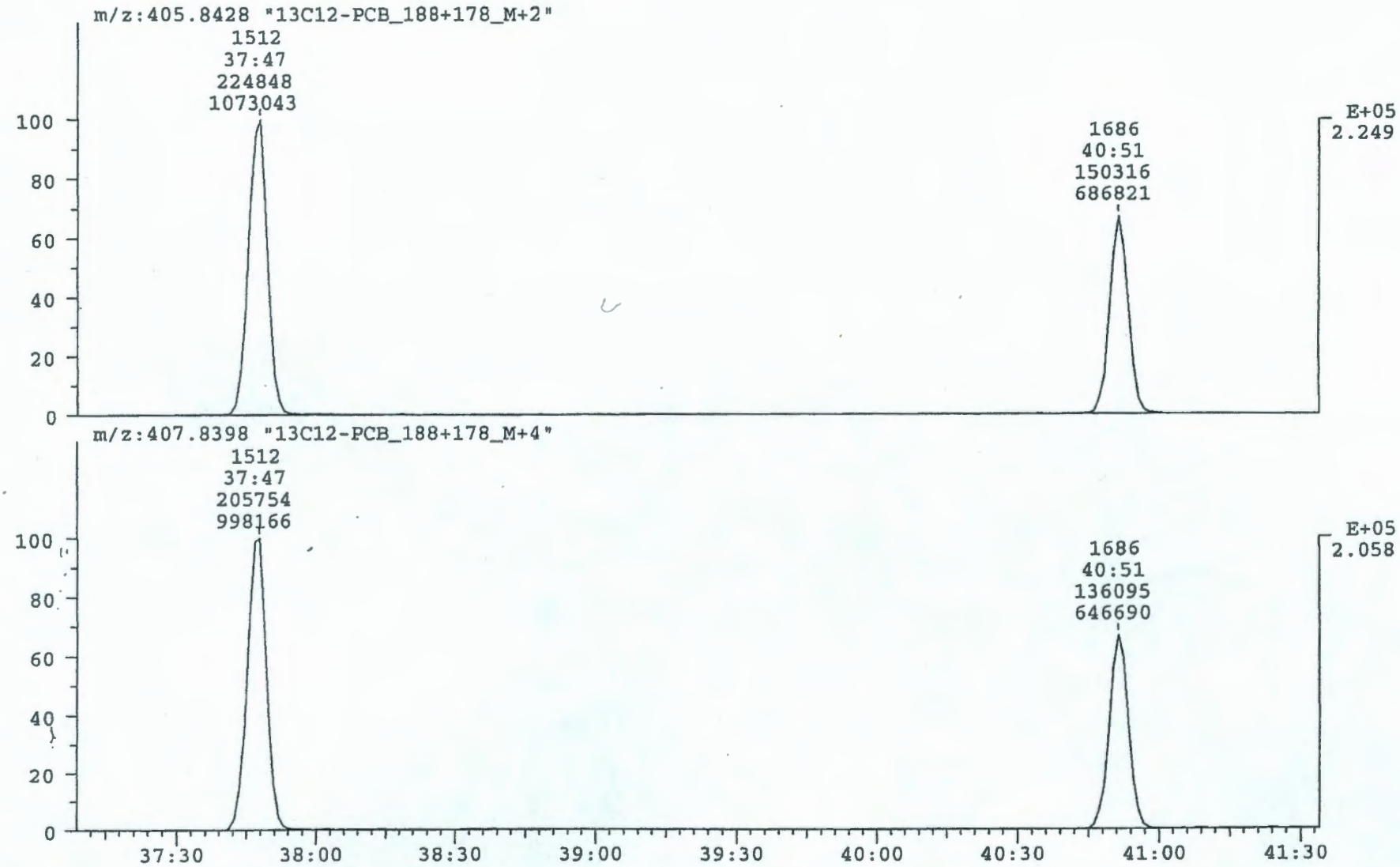
```
CHRO:  a07030713                                08-Mar-07  Elapse:  43:11      1819
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1719 > 1919          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



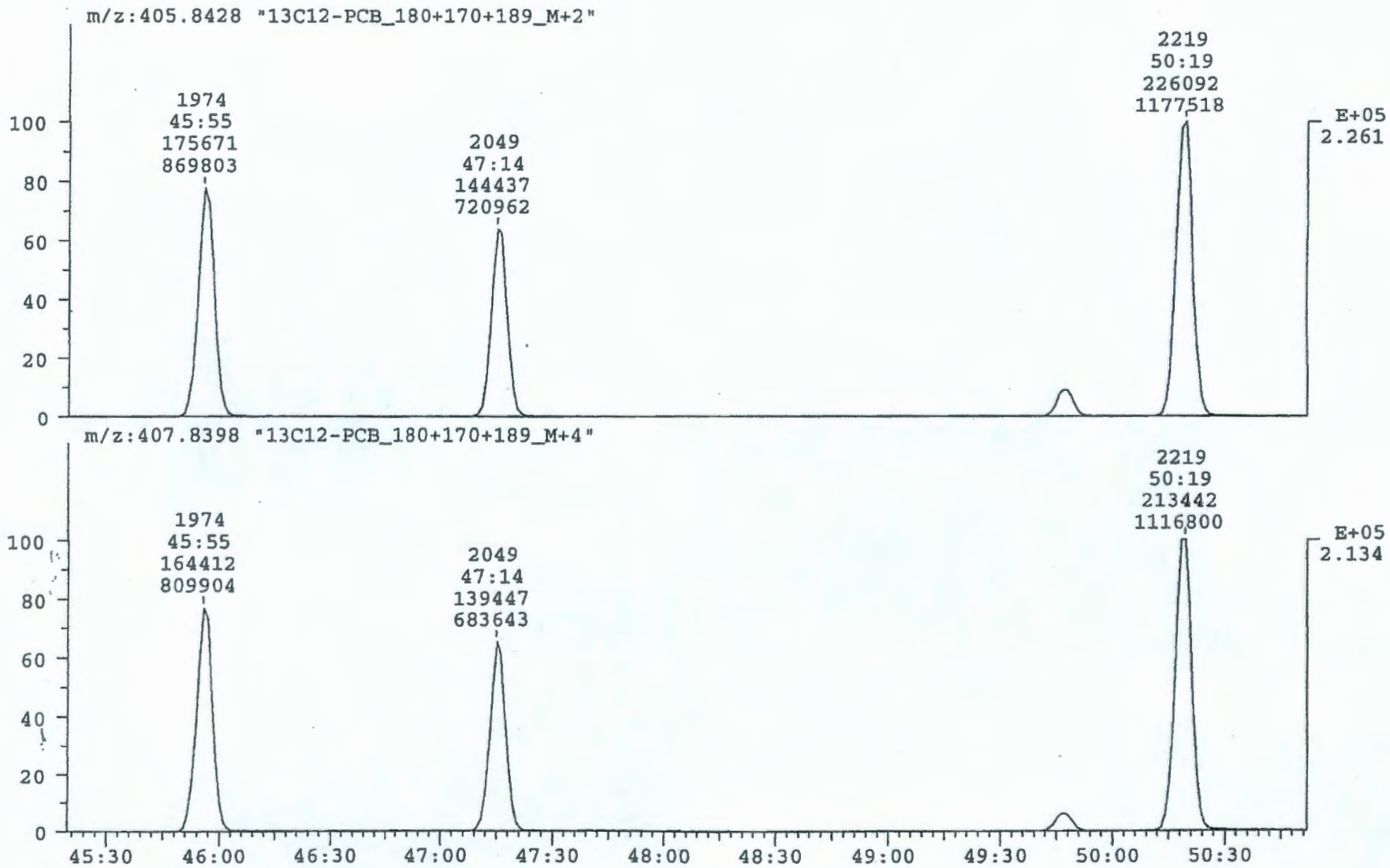
CHRO: a07030713 08-Mar-07 Elapse: 44:05 1870
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1493 > 2243 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



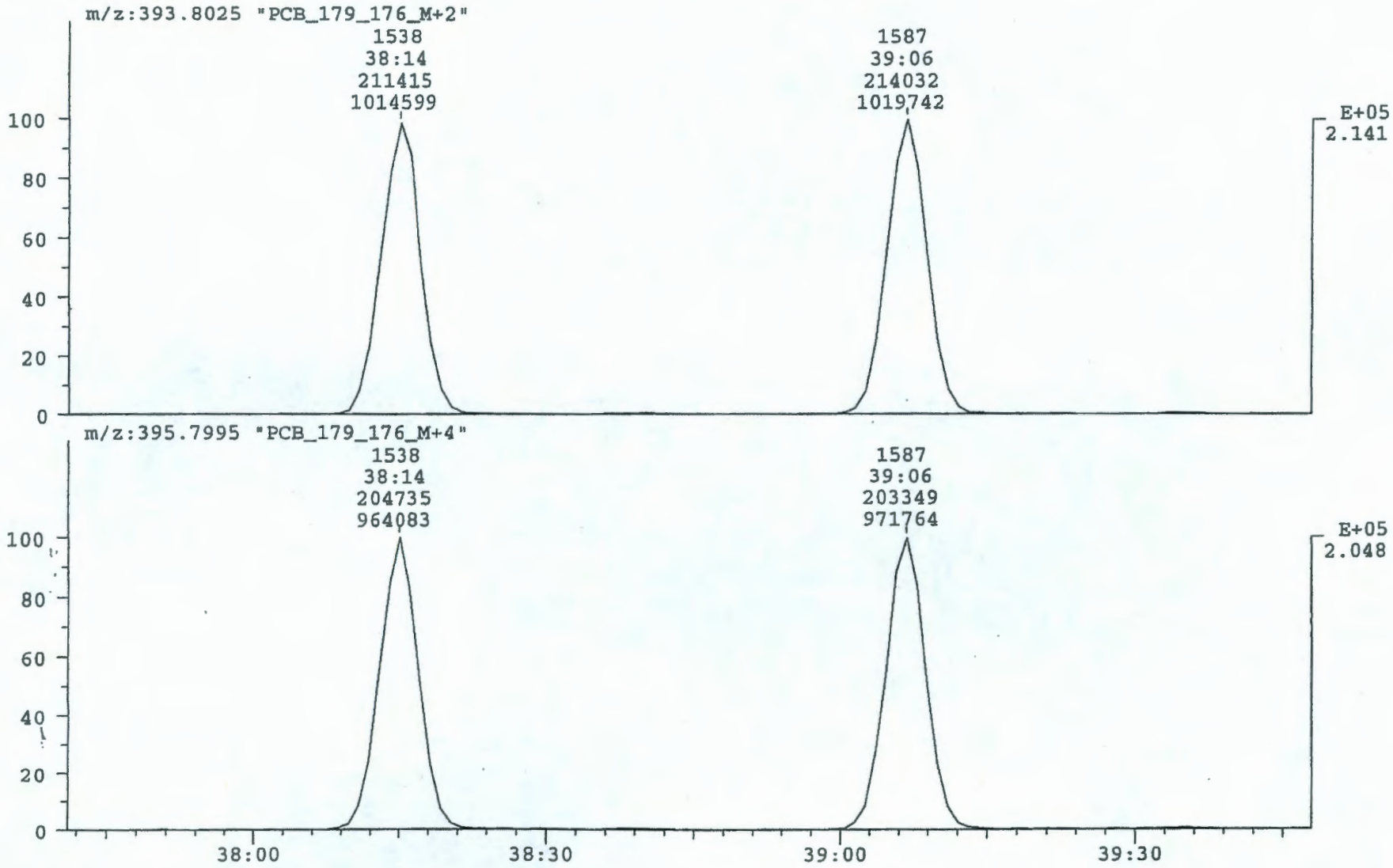
```
CHRO:  a07030713                                08-Mar-07   Elapse:  39:21      1601
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1476 > 1726            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



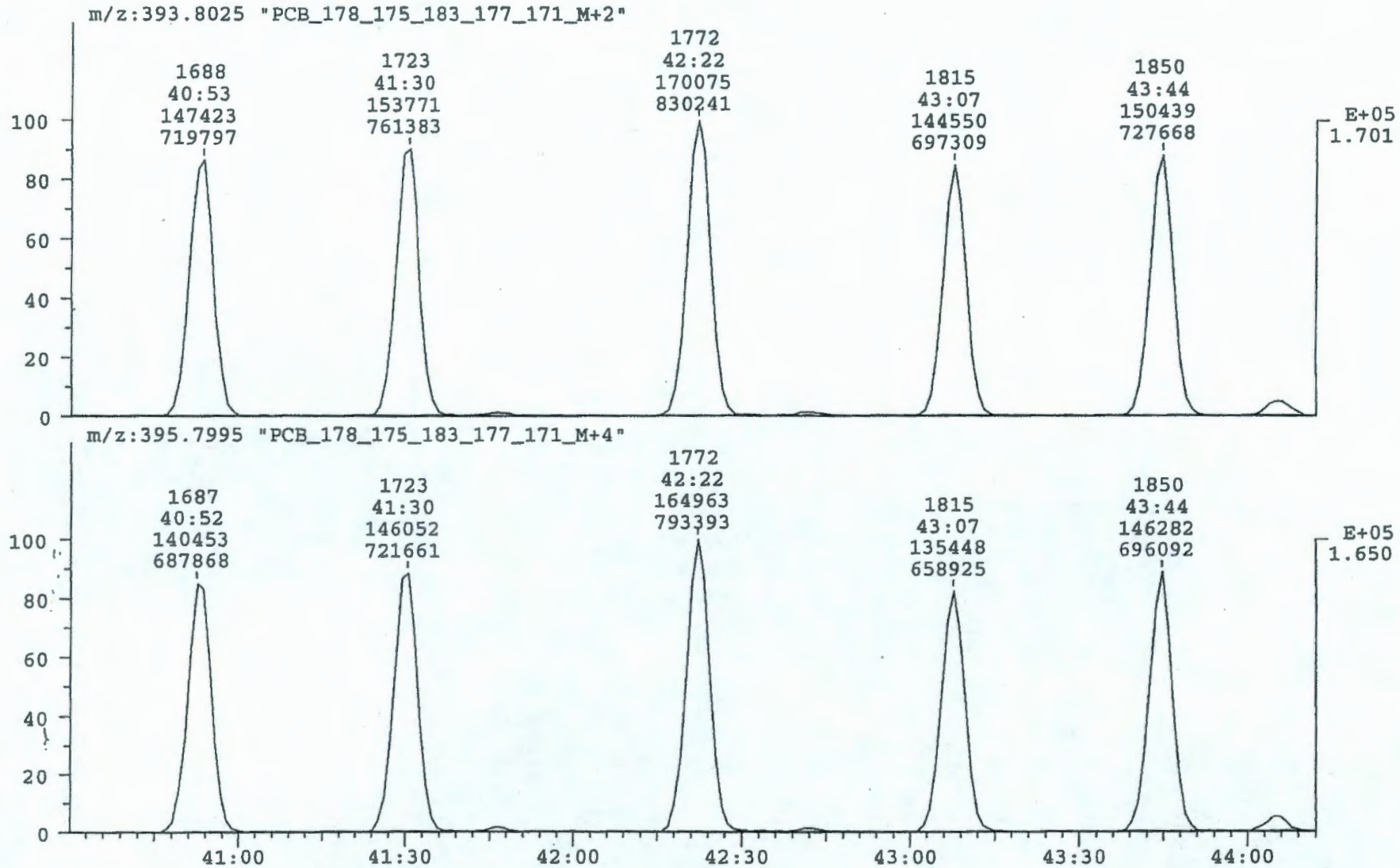
```
CHRO:  a07030713                                08-Mar-07   Elapse:  48:08      2100
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   1940 > 2250           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



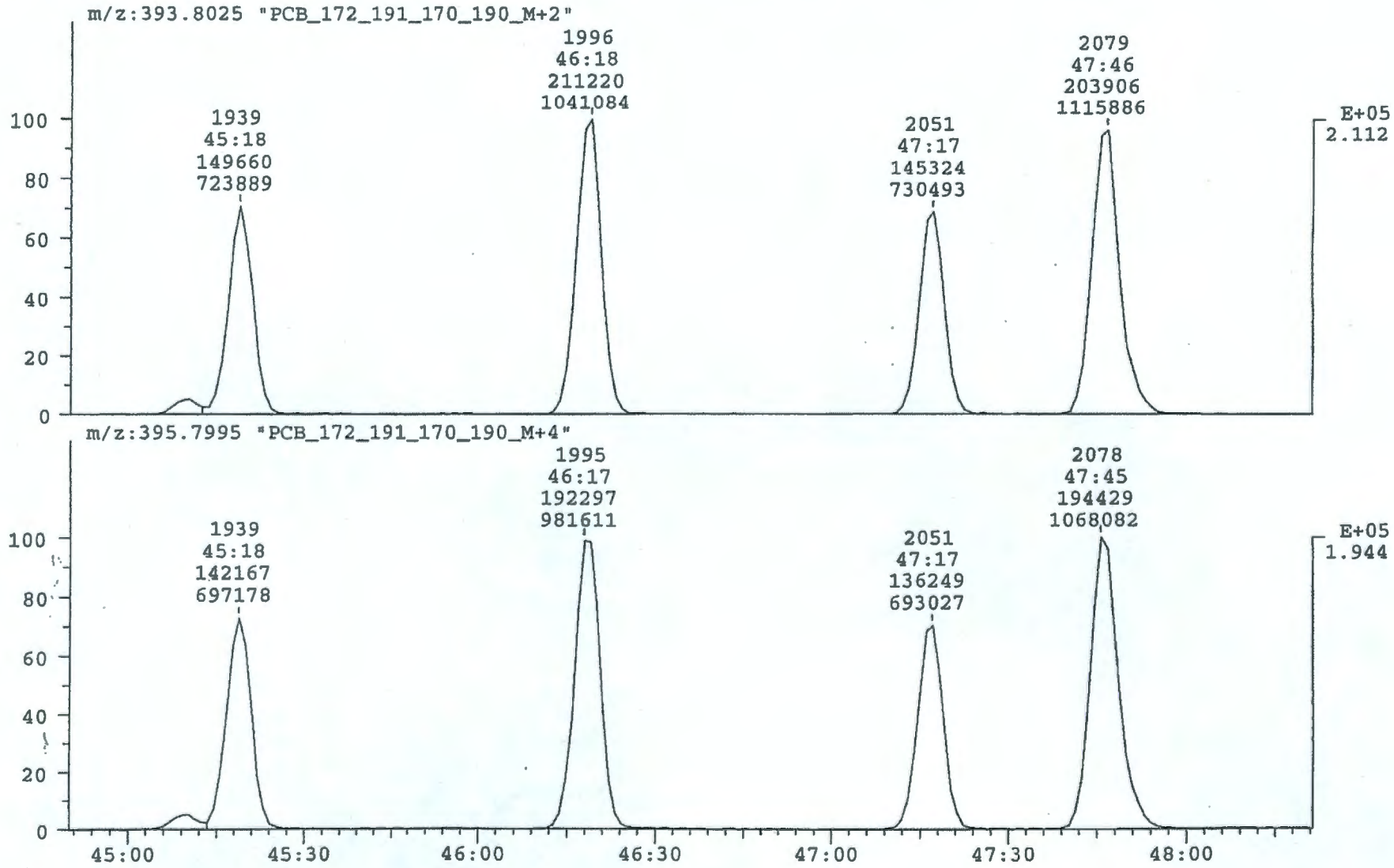
```
CHRO:  a07030713                                08-Mar-07   Elapse:  38:44      1566
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm      Label wndw:   1506 > 1626           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



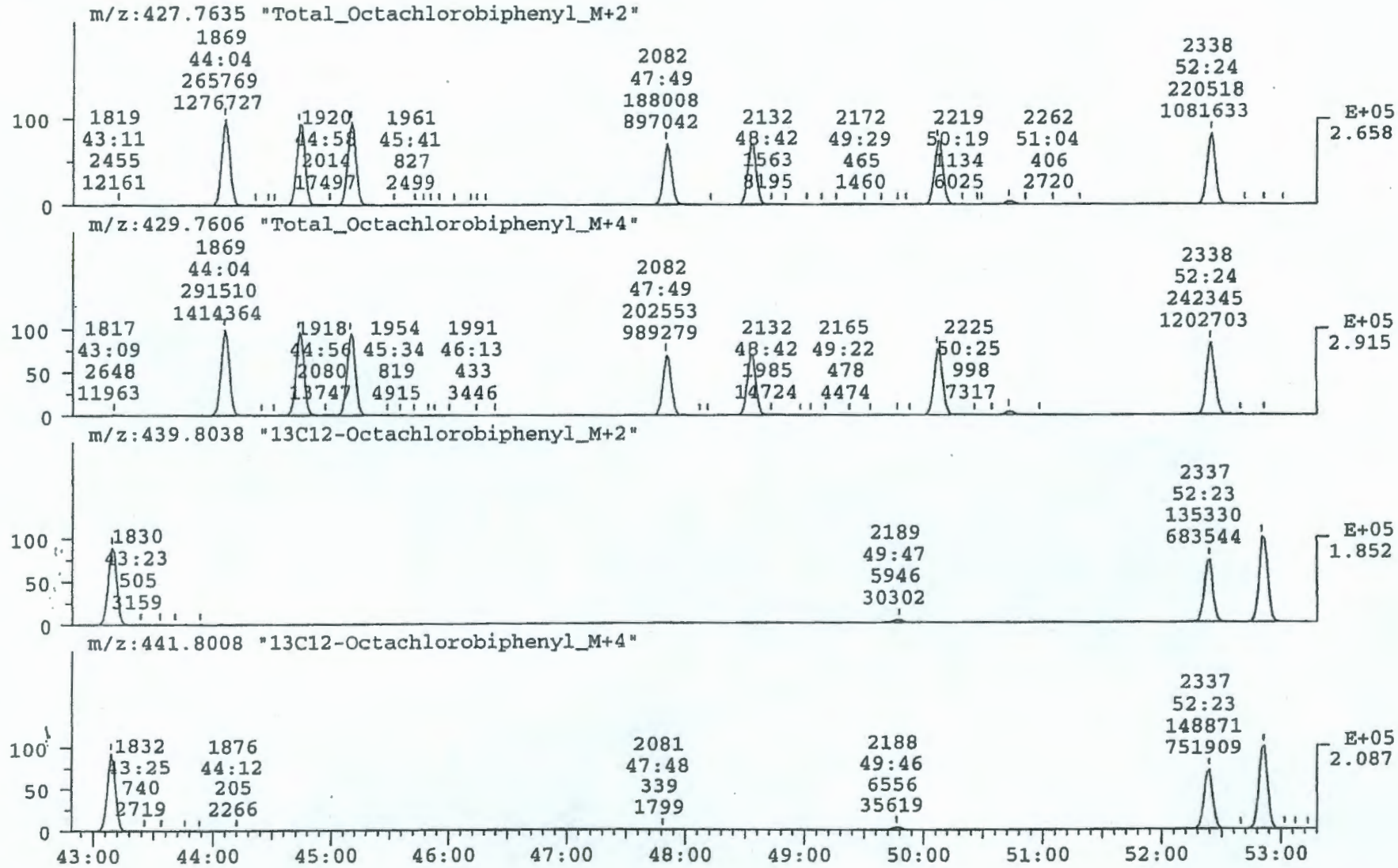
CHRO: a07030713 08-Mar-07 Elapse: 42:21 1771
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1666 > 1876 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



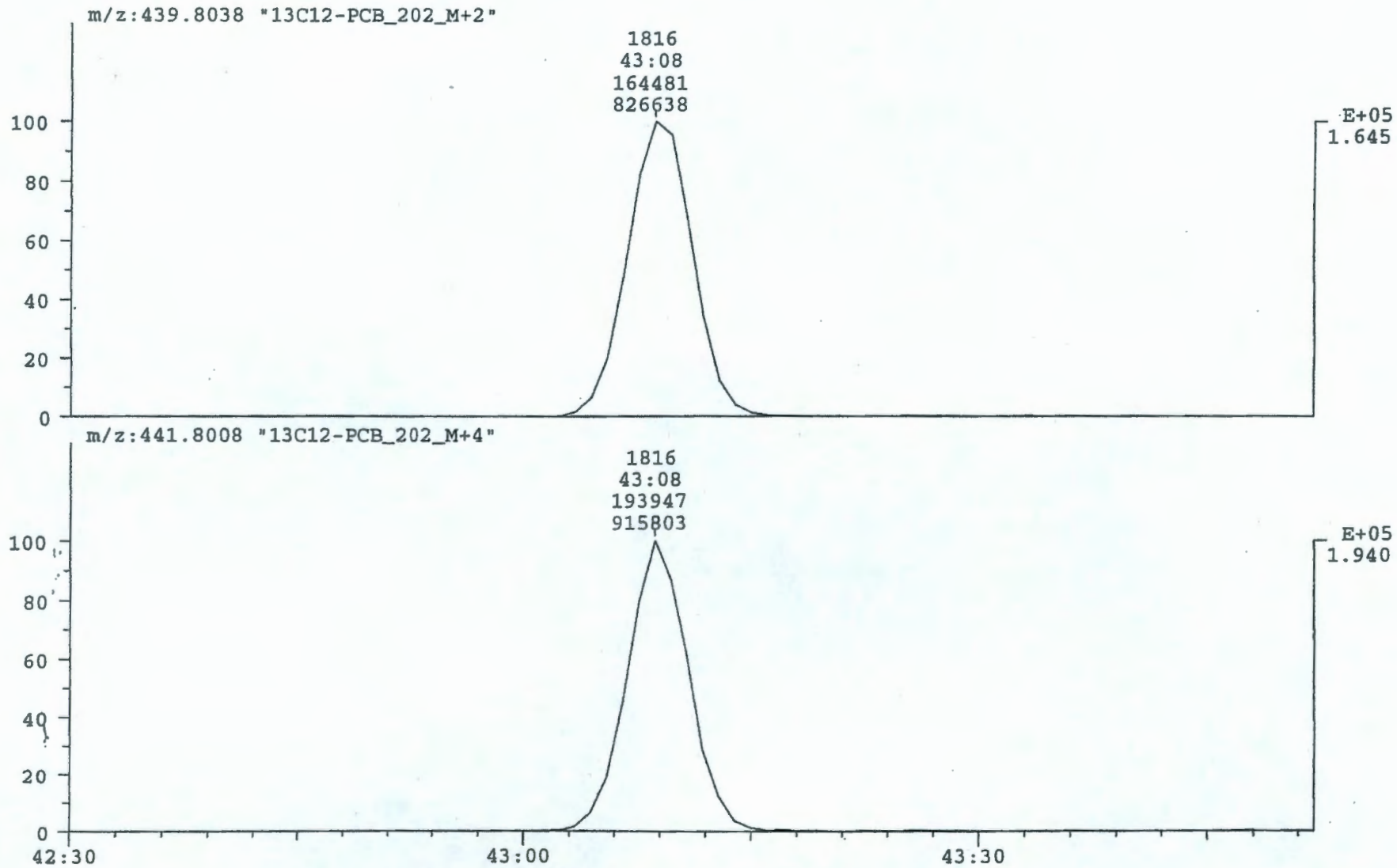
CHRO: a07030713 08-Mar-07 Elapse: 46:35 2012
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1912 > 2112 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



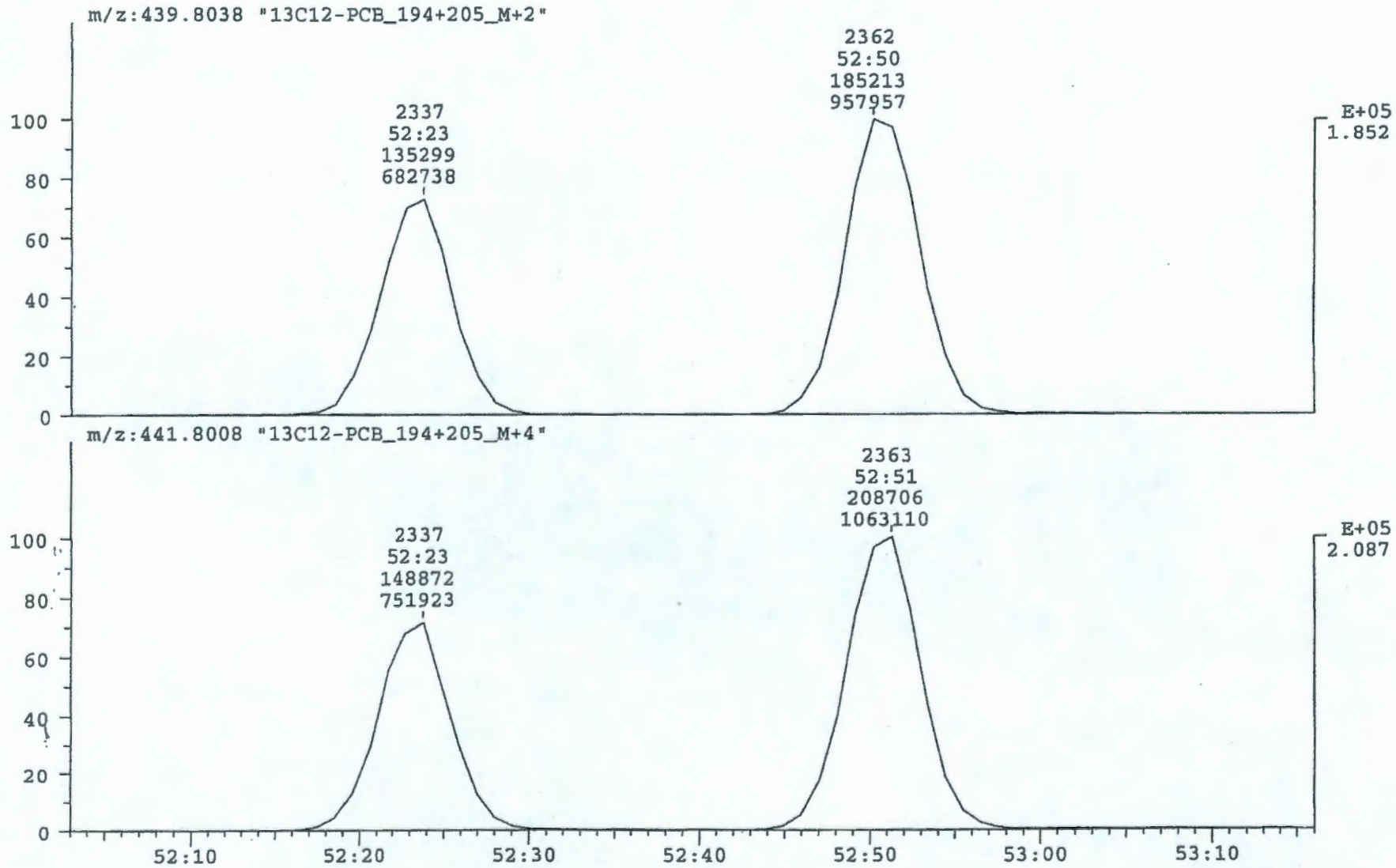
CHRO: a07030713 08-Mar-07 Elapse: 48:03 2095
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 1797 > 2388 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



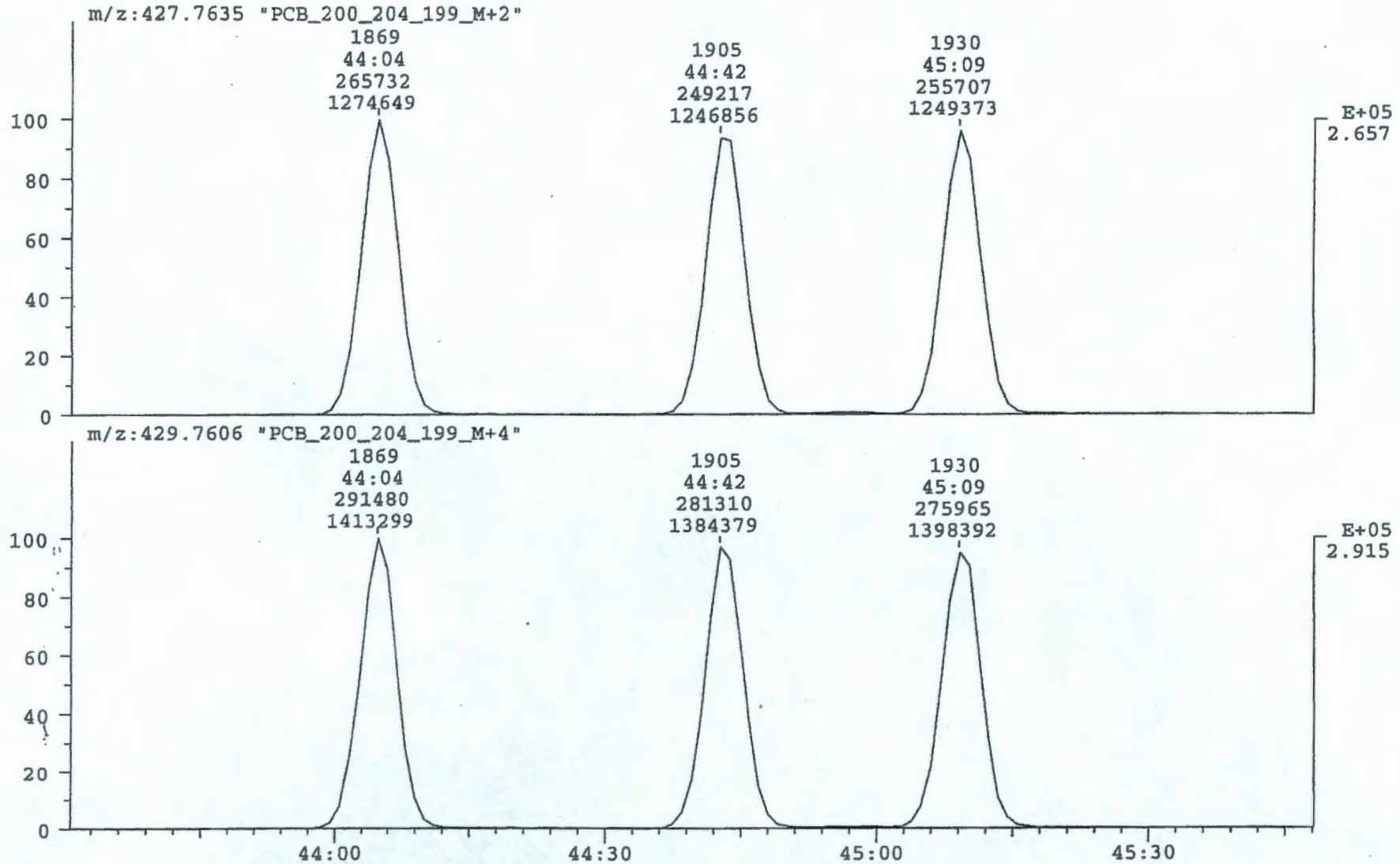
```
CHRO:  a07030713                                08-Mar-07  Elapse:  43:07      1815
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29   2599
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   1779 > 1857          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



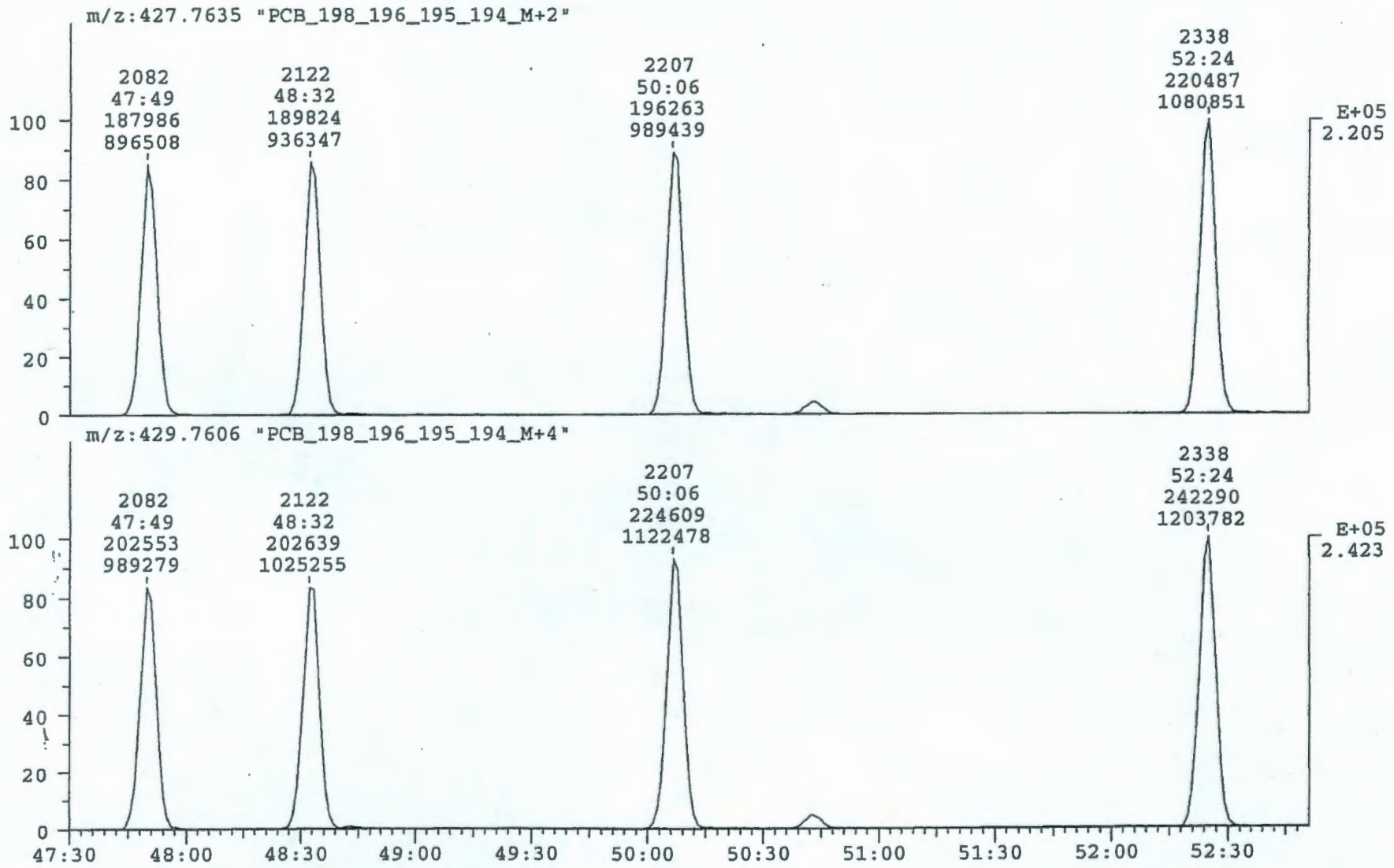
CHRO: a07030713 08-Mar-07 Elapse: 52:38 2351
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 2317 > 2386 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



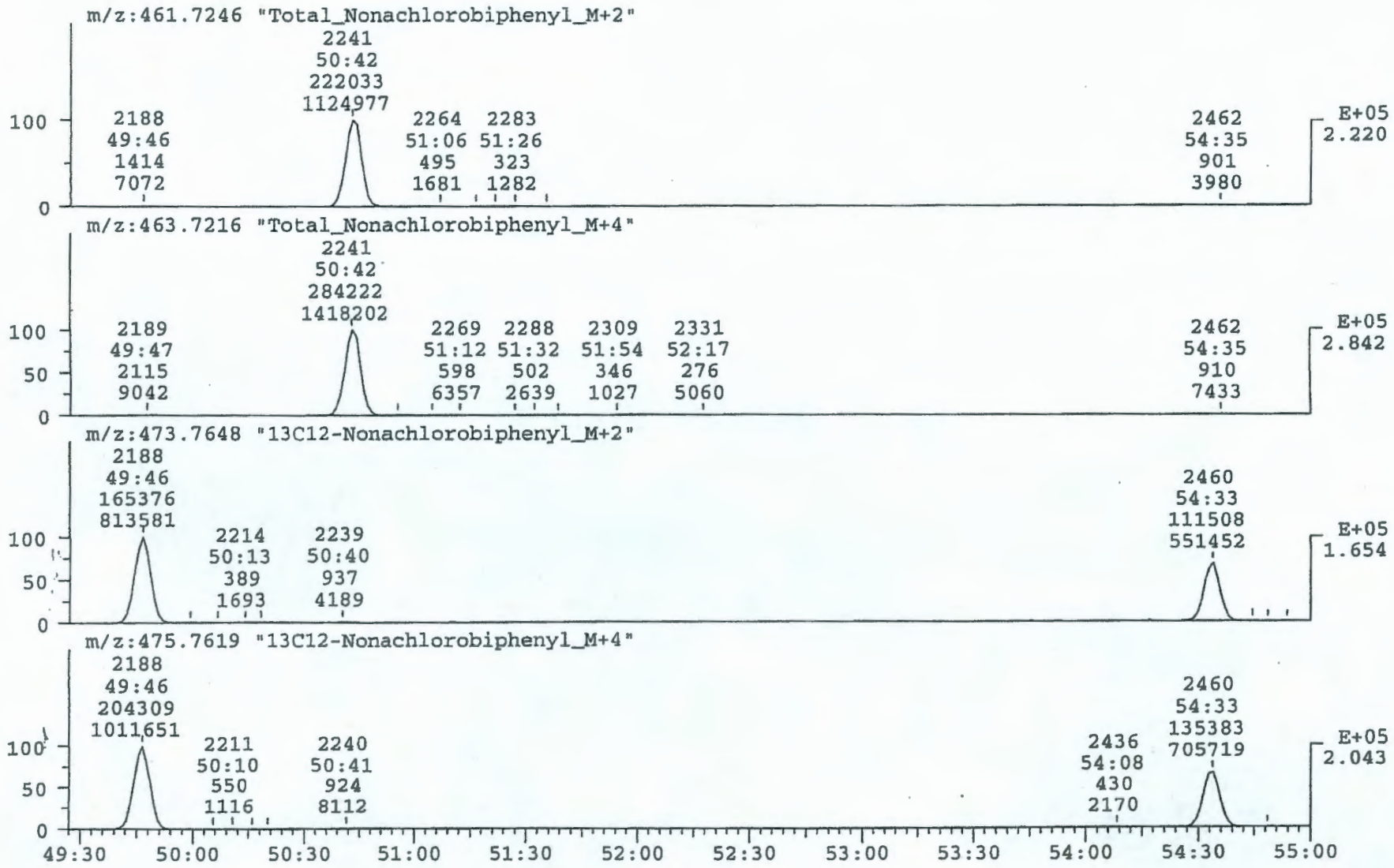
```
CHRO:  a07030713                                08-Mar-07  Elapse:  44:39      1902
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial   3
Peak:  100.00  ppm     Label wndw:   1837 > 1967          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



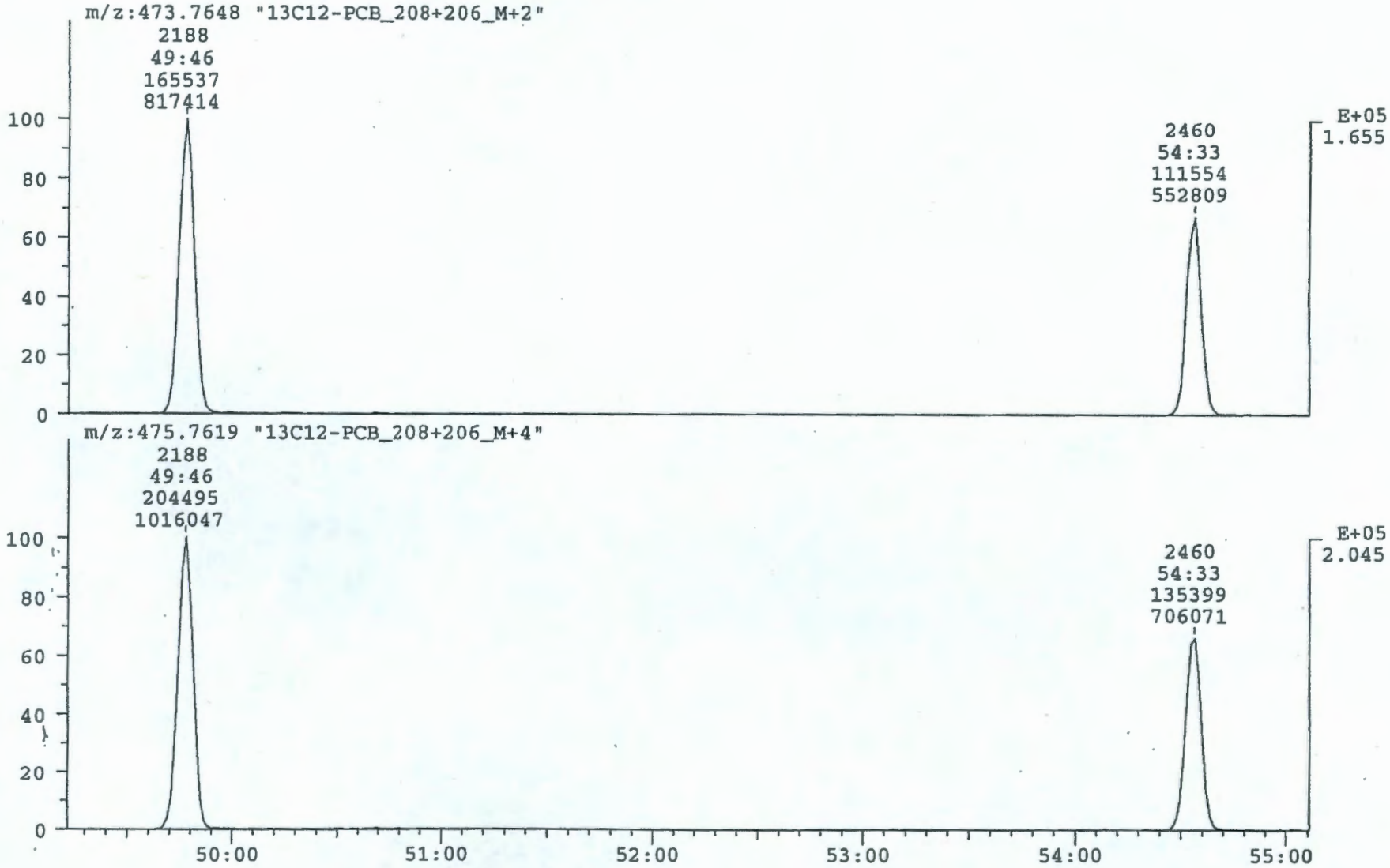
CHRO: a07030713 08-Mar-07 Elapse: 50:09 2210
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 2063 > 2363 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



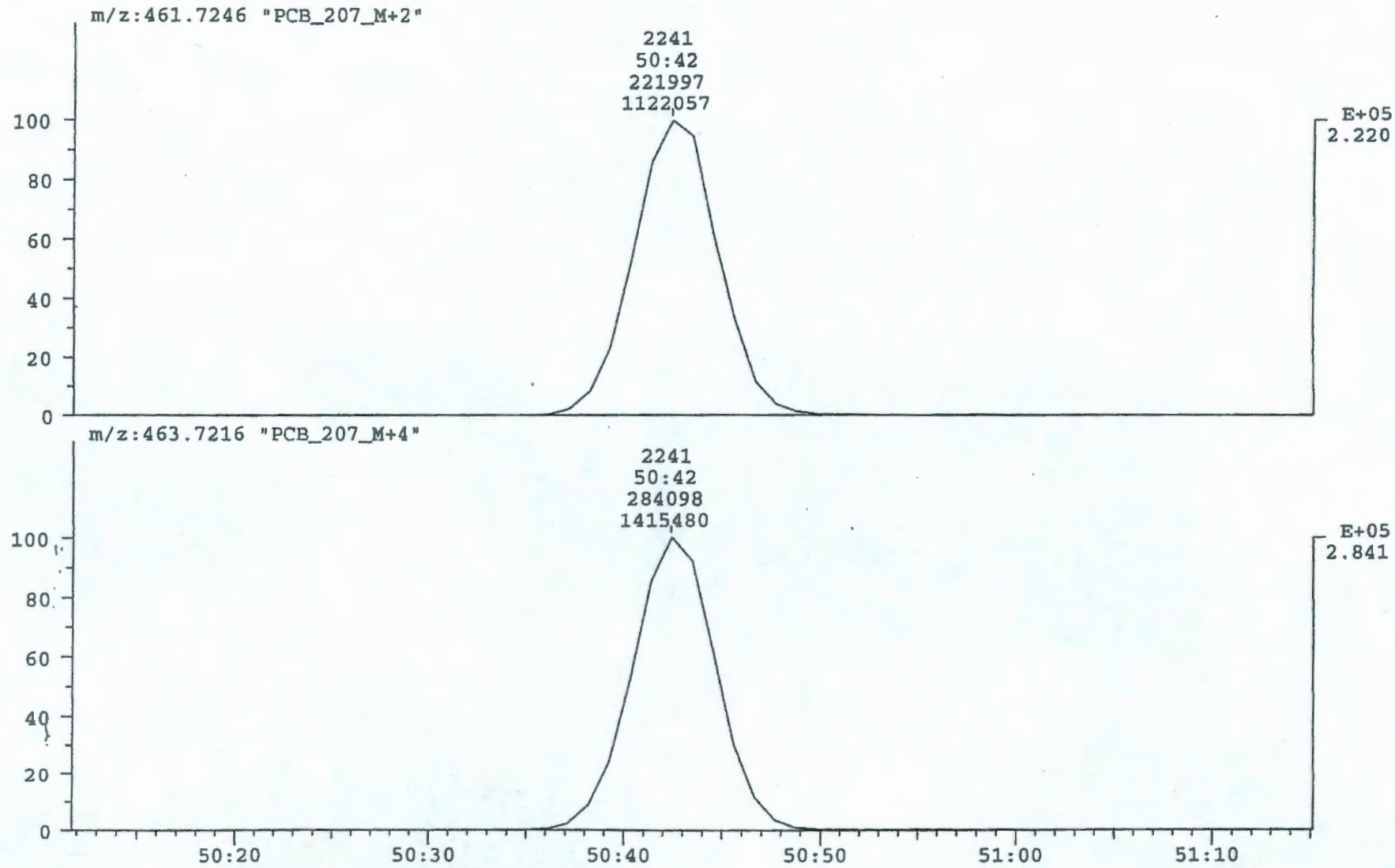
CHRO: a07030713 08-Mar-07 Elapse: 52:13 2327
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 2170 > 2485 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



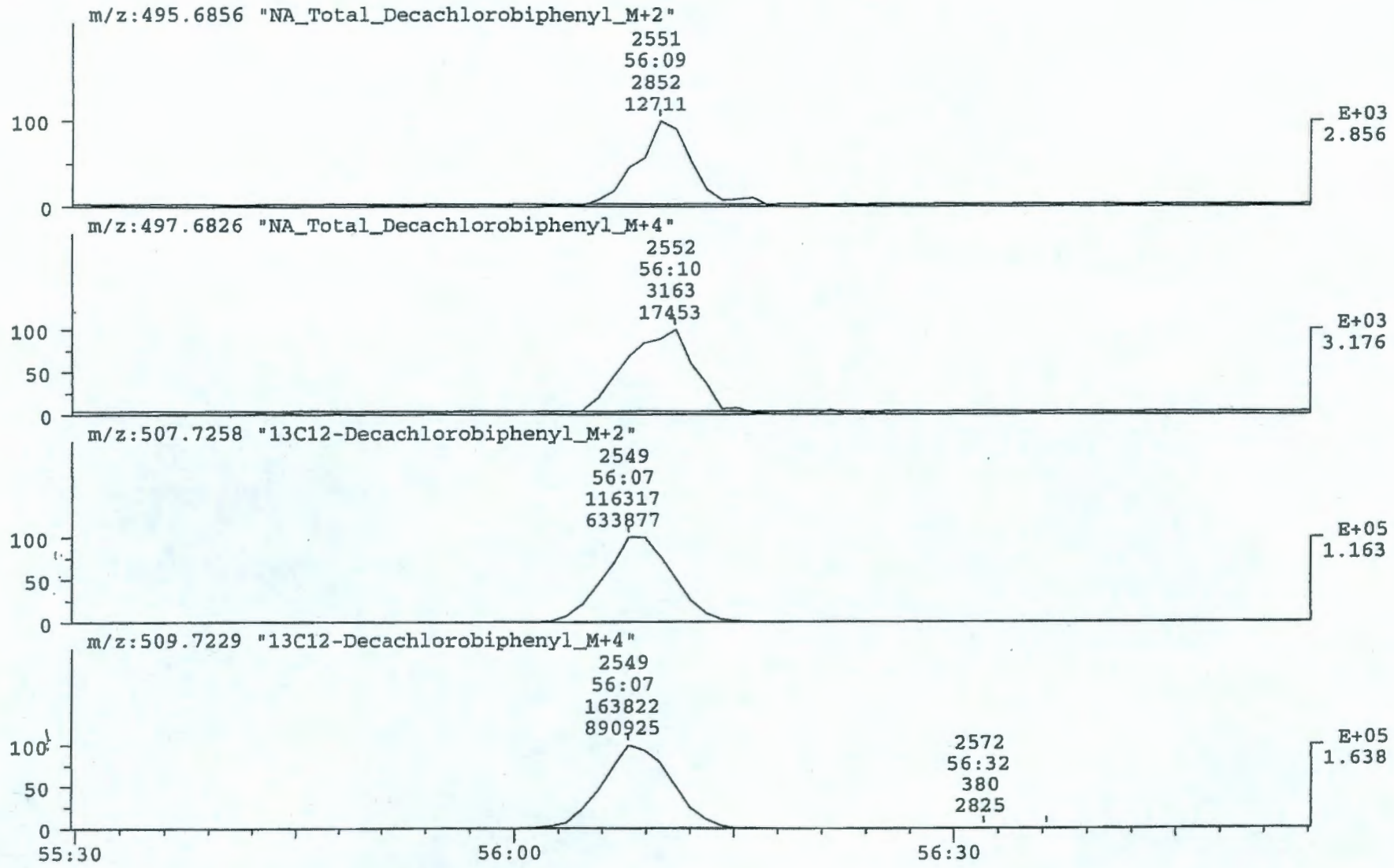
```
CHRO:  a07030713                                08-Mar-07   Elapse:  52:12      2326
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1                 Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix1/Run3
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  3
Peak:  100.00  ppm     Label wndw:   2161 > 2491            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



CHRO: a07030713 08-Mar-07 Elapse: 50:43 2242
Samp: Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1 Start : 03:20:29 2599
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix1/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 3
Peak: 100.00 ppm Label wndw: 2212 > 2272 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  a07030713                                08-Mar-07  Elapse:  56:12      2553
Samp:  Vial 3 WO=2990:75Mix1 Meth=IE3 Dil=1               Start :  03:20:29   2599
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix1/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  3
Peak:  100.00  ppm      Label wndw:   2513 > 2593         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
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: a07030713
Study: 1668 RT Mix1/Run3
Sample: WO=2990:75Mix1 Meth=IE3 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: STL Knoxville
Comments: Inst=m1d/137819-2 Batch=20070307s1 Ccal=20050801i
Injected volume: 2.00
Sample from Vial 3
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 11 of list 070307
ICL procedure: sleep7x
MID procedure: epa1668n

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 | 22:01 min | 14:03 min | 36:04 min | 1.00 sec |
| # 3 | 36:05 min | 13:10 min | 49:15 min | 1.00 sec |
| # 4 | 49:16 min | 7:44 min | 57:00 min | 1.00 sec |

Mid Masses:
Window # 1

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

Window # 2

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

Window # 3

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

Window # 4

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

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

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

GC descriptor : epa1668n

| | | | |
|---|---|---|---|
| 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 | 1032.2528 |
| 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 | -18.7750 |
| DRAWC | 1.0000 | DRAWS | 0.0050 | ECORR | 0.9999 |
| ECURR | 1.0000 | EDAC | 7969177.0000 | EDACG | 0.9999 |
| EDACR | 23.0000 | EDACZ | 1160.0000 | ELEN | 67.4250 |
| EMULT | 1.5500 | ENS | 180.0000 | ERATIO | 1.0000 |
| ESA | 763.8000 | ESICUR | 10.0011 | ESIPAR | 0.0000 |
| EXS | 144.0000 | FDMA | 18000000.0000 | FLENS | 1.0000 |
| FM | 20.0000 | FMII | 50.0000 | FQUAD | 0.0000 |
| FREQ | 300.4808 | FSLOPE | 54000000.0000 | FVANAL | 261.0000 |
| FVINLET | 250.0000 | FVSRC | 856.0000 | FWIN | 0.7000 |
| GCTC | 214.0000 | GCTI | 270.0000 | GCTL | 280.0000 |
| HACCU | 208.0000 | HCURR | 1.1863 | HVANAL | 1294.0000 |
| HVSRC | 0.0000 | ICAL0 | 0.0011 | ICAL1 | 0.4030 |
| ICAL2 | 0.5865 | IONEN | 4771.6680 | 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 | 1800.0000 | LENSS | 21.0000 |
| LKM | 404.9760 | LM | 800.0000 | LMASS | 180.4888 |
| LMII | 500.0000 | MASS | 180.4888 | MDAC | 2346712.5794 |

| | | | | | |
|---|---|---|---|---|---|
| MDACR | 23.0000 | MRANGE | 1032.2528 | MSFM | 2.0000 |
| MSLM | 3790.0000 | NPEAK | 1.0000 | NSAM | 100.0000 |
| NSCAN | 2607.0000 | NSMAX | 8.0000 | NSMIN | 2.0000 |
| OCT | -2.0000 | PSAM | 10.0000 | PUSHER | -10.0000 |
| RDRAW | 0.0000 | RDRAWC | 0.0000 | RECURR | 0.0000 |
| RELEN | 0.0000 | RES | 10314.6723 | RFAMP | 799.9987 |
| RFCUR | 100.0110 | RPUSHER | 0.0000 | RWIN | 2.0000 |
| SACCU | 3.0000 | SCIDLE | 1.0000 | SHIELD | 2918.0000 |
| SHIELDS | 0.0000 | SHIGH | 180.0000 | SKIM | 7.0000 |
| SLOW | 60.0000 | SPRAY | 8.0000 | SS | 3.0000 |
| SW | 0.0500 | TANAL | 420.8700 | TCURR | 0.7031 |
| 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 | 2.1750 | USERVAR | 0.0000 | VAPTEMP | 599.9997 |
| VAPTSET | 400.0000 | VMASS | 180.4888 | XLENS | 2000.0000 |
| XLENSS | -34.8000 | YLENS | 2600.0000 | YLENSS | -24.8000 |

Scantype is electric
Sourcemode is EI POS

Analysis started at: 08-Mar-07 03:20:29.9

Autosampler has injected sample from vial 3
MID Time Window 1: Resolution is 7541
MID Time Window 2: Resolution is 7472
MID Time Window 3: Resolution is 8573
MID Time Window 4: Resolution is 8803
Analysis stopped at: 08-Mar-07 04:17:32.6 (run time 57.03 minutes)
Analysis stopped because MID run finished

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX2 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030721. | Prep Date | | SDG No | |
| Analysis ID | 96242 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 18:05 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | | | | | 188.0393 | 190.0363 | 188.0393 | 190.0363 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 200 | | | | | 200.0795 | 202.0766 | 200.0795 | 202.0766 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 228 | 278 | 91 | 111 | 0.82 * | / | |
| | 13C12-PCB 1 | 12:13 | 00:00 | 0 | 2468231 | 768159 | 920992 | 288942 | 3.21 | AVV/AVV | |
| | 13C12-PCB 3 | 14:27 | 00:00 | 0 | 2452229 | 768024 | 805947 | 243334 | 3.19 | AVV/ABV | |
| 222 | | | | | 222.0003 | 223.9974 | 222.0003 | 223.9974 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 263 | 383 | 105 | 153 | 0.69 * | / | |
| | PCB 7 (BZ) | 16:51 | 00:00 | 0 | 965056 | 608576 | 293594 | 184657 | 1.59 | AVV/ABV | D |
| | PCB 5 (BZ) | 17:27 | 00:00 | 0 | 903221 | 576620 | 266955 | 165090 | 1.57 | AVV/AVV | |
| | PCB 12 (BZ) | 20:25 | 00:00 | 0 | 938991 | 596945 | 233327 | 144869 | 1.57 | ABV/ABV | M |
| 234 | | | | | 234.0406 | 236.0376 | 234.0406 | 236.0376 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 338 | 205 | 135 | 82 | 1.65 | / | |
| | 13C12-PCB 4 | 14:43 | 00:00 | 0 | 1076725 | 663370 | 368457 | 226812 | 1.62 | AVV/AVV | |
| | 13C12-PCB 9 | 16:41 | 00:00 | 0 | 1863076 | 1139902 | 575421 | 353319 | 1.63 | ABV/ABV | |
| | 13C12-PCB 8 | 17:34 | 00:00 | 0 | 1952240 | 1212797 | 569530 | 350205 | 1.61 | AVV/AVV | |
| | 13C12-PCB 15 | 20:42 | 00:00 | 0 | 1884947 | 1169874 | 476333 | 302460 | 1.61 | AVV/AVV | |
| 256 | | | | | 255.9613 | 257.9584 | 255.9613 | 257.9584 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 175 | 170 | 70 | 68 | 1.03 | / | |
| | PCB 18 (BZ) | 19:47 | 00:00 | 0 | 413086 | 385768 | 113364 | 104646 | 1.07 | ABV/ABV | |
| | PCB 24 (BZ) | 20:32 | 00:00 | 0 | 579705 | 546381 | 150611 | 144854 | 1.06 | AVV/AVV | |
| | PCB 23 (BZ) | 22:33 | 00:00 | 0 | 777342 | 781116 | 190081 | 197692 | 1.00 | AVV/ABV | |
| | PCB 28 (BZ) | 23:44 | 00:00 | 0 | 853599 | 819787 | 201896 | 189601 | 1.04 | ABV/ABV | D |
| | PCB 22 (BZ) | 24:26 | 00:00 | 0 | 805866 | 775946 | 189169 | 183957 | 1.04 | AVV/AVV | D |
| | PCB 39 (BZ) | 26:18 | 00:00 | 0 | 903337 | 876173 | 203161 | 191643 | 1.03 | ABV/ABV | D |
| 268 | | | | | 268.0016 | 269.9986 | 268.0016 | 269.9986 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 575 | 328 | 230 | 131 | 1.76 * | / | |
| | 13C12-PCB 19 | 17:55 | 00:00 | 0 | 670039 | 620994 | 190596 | 169859 | 1.08 | AVV/AVV | |
| | 13C12-PCB 32 | 21:10 | 00:00 | 0 | 1252384 | 1155028 | 324893 | 295696 | 1.08 | AVV/AVV | |
| | 13C12-PCB 31 | 23:25 | 00:00 | 0 | 1737719 | 1649052 | 432137 | 406408 | 1.05 | ABV/ABV | |
| | 13C12-PCB 28 | 23:42 | 00:00 | 0 | 1629372 | 1553900 | 384880 | 369675 | 1.05 | AVV/AVV | |
| | 13C12-PCB 37 | 27:47 | 00:00 | 0 | 1510639 | 1422287 | 338164 | 317906 | 1.06 | ABV/ABV | |
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 190 | 245 | 76 | 98 | 0.78 | / | |
| | PCB 53 (BZ) | 23:13 | 00:00 | 0 | 849338 | 1074160 | 207434 | 263646 | 0.79 | ABV/ABV | M |
| | PCB 51 (BZ) | 23:57 | 00:00 | 0 | 866324 | 1093131 | 201116 | 257591 | 0.79 | ABB/ABB | M |
| | PCB 73 (BZ) | 25:43 | 00:00 | 0 | 1126492 | 1403233 | 267178 | 335263 | 0.80 | ABV/ABV | |
| | PCB 48 (BZ) | 26:21 | 00:00 | 0 | 870768 | 1091545 | 206594 | 257279 | 0.80 | AVV/ABV | |
| | PCB 62 (BZ) | 26:49 | 00:00 | 0 | 1097588 | 1399206 | 243601 | 308887 | 0.78 | AVV/AVV | |
| | PCB 71 (BZ) | 27:39 | 00:00 | 0 | 1198781 | 1522976 | 275380 | 344950 | 0.79 | ABV/ABV | D |
| | PCB 68 (BZ) | 28:54 | 00:00 | 0 | 1220431 | 1554707 | 279441 | 361375 | 0.78 | ABV/ABV | D |
| | PCB 58 (BZ) | 29:36 | 00:00 | 0 | 1227008 | 1569518 | 271485 | 345006 | 0.78 | AVV/AVV | D |
| | PCB 61 (BZ) | 30:14 | 00:00 | 0 | 1101094 | 1422047 | 243386 | 312804 | 0.77 | AVV/AVV | D |
| | PCB 55 (BZ) | 30:54 | 00:00 | 0 | 1152820 | 1494383 | 256180 | 326855 | 0.77 | AVV/AVV | D |

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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX2 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030721. | Prep Date | | SDG No | |
| Analysis ID | 96242 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 18:05 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | PCB 60 (BZ) | 31:38 | 00:00 | 0 | 1199349 | 1528558 | 255355 | 328864 | 0.78 | ABV/AVV | D |
| 302 | | | | | 301.9626 | 303.9597 | 301.9626 | 303.9597 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 135 | 160 | 54 | 64 | 0.84 | / | |
| | 13C12-PCB 54 | 21:03 | 00:00 | 0 | 599159 | 733974 | 147435 | 178260 | 0.82 | ABV/ABV | |
| | 13C12-PCB 52 | 25:34 | 00:00 | 0 | 832487 | 1048853 | 194582 | 241269 | 0.79 | ABV/ABV | |
| | 13C12-PCB 79 | 33:30 | 00:00 | 0 | 1241779 | 1535391 | 271443 | 339890 | 0.81 | ABV/ABV | |
| | 13C12-PCB 81 | 34:32 | 00:00 | 0 | 1077896 | 1348062 | 229377 | 280323 | 0.80 | ABV/ABV | D |
| | 13C12-PCB 77 | 35:08 | 00:00 | 0 | 1097815 | 1391868 | 224029 | 283463 | 0.79 | ABB/ABB | D |
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 255 | 233 | 102 | 93 | 1.10 * | / | |
| | PCB 94 (BZ) | 29:05 | 00:00 | 0 | 891026 | 561077 | 201419 | 127844 | 1.59 | ABV/ABV | D |
| | PCB 100 (BZ) | 29:38 | 00:00 | 0 | 1085008 | 681687 | 246360 | 156325 | 1.59 | AVV/AVV | |
| | PCB 91 (BZ) | 30:24 | 00:00 | 0 | 998613 | 616878 | 223911 | 140288 | 1.62 | AVV/ABV | D |
| | PCB 121 (BZ) | 31:23 | 00:00 | 0 | 1358589 | 852591 | 293000 | 188872 | 1.59 | ABV/ABV | D |
| | PCB 90 (BZ) | 32:24 | 00:00 | 0 | 954384 | 592431 | 203536 | 124903 | 1.61 | ABV/ABV | DM |
| | PCB 99 (BZ) | 32:59 | 00:00 | 0 | 1141046 | 712010 | 240316 | 150002 | 1.60 | ABV/AVV | DM |
| | PCB 109 (BZ)/108 (IUPAC | 33:26 | 00:00 | 0 | 1317372 | 823921 | 286112 | 172890 | 1.60 | AVV/AVV | |
| | PCB 117 (BZ) | 34:08 | 00:00 | 0 | 1349740 | 844115 | 285473 | 179420 | 1.60 | ABV/AVV | D |
| | PCB 111 (BZ) | 35:02 | 00:00 | 0 | 1411300 | 898221 | 308577 | 198001 | 1.57 | ABB/ABV | D |
| | PCB 108 (BZ)/107 (IUPAC | 36:42 | 00:00 | 0 | 1534695 | 984368 | 307207 | 199855 | 1.56 | ABV/ABV | DM |
| | PCB 118 (BZ) | 37:23 | 00:00 | 0 | 1497066 | 954562 | 321253 | 207262 | 1.57 | AVV/AVV | |
| | PCB 114 (BZ) | 37:56 | 00:00 | 0 | 1537167 | 997187 | 315006 | 204836 | 1.54 | AVV/AVV | |
| 338 | | | | | 337.9207 | 339.9178 | 337.9207 | 339.9178 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 153 | 143 | 61 | 57 | 1.07 * | / | |
| | 13C12-PCB 104 | 26:30 | 00:00 | 0 | 1257580 | 794048 | 286313 | 183510 | 1.58 | ABV/ABV | D |
| | 13C12-PCB 95 | 29:32 | 00:00 | 0 | 984199 | 612929 | 210911 | 129200 | 1.61 | ABV/ABV | D |
| | 13C12-PCB 101 | 32:23 | 00:00 | 0 | 1038588 | 637398 | 227909 | 138232 | 1.63 | ABV/AVV | |
| | 13C12-PCB 111 | 35:01 | 00:00 | 0 | 1299526 | 822362 | 273486 | 170818 | 1.58 | ABV/AVV | |
| | 13C12-PCB 123 | 37:02 | 00:00 | 0 | 1480391 | 948591 | 318971 | 201044 | 1.56 | ABV/ABV | D |
| | 13C12-PCB 118 | 37:22 | 00:00 | 0 | 1558231 | 989221 | 322880 | 201554 | 1.58 | AVV/AVV | D |
| | 13C12-PCB 114 | 37:54 | 00:00 | 0 | 1521045 | 952031 | 314290 | 194792 | 1.60 | AVV/AVV | D |
| | 13C12-PCB 105 | 38:37 | 00:00 | 0 | 1487080 | 927316 | 301247 | 187408 | 1.60 | ABB/ABV | D |
| | 13C12-PCB 127 | 39:59 | 00:00 | 0 | 1676677 | 1062254 | 340651 | 220438 | 1.58 | ABV/AVV | |
| | 13C12-PCB 126 | 41:40 | 00:00 | 0 | 1598006 | 1005411 | 325321 | 200252 | 1.59 | AVV/AVV | D |
| 360 | | | | | 359.8415 | 361.8385 | 359.8415 | 361.8385 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 220 | 395 | 88 | 158 | 0.56 * | / | |
| | PCB 150 (BZ) | 32:33 | 00:00 | 0 | 1066274 | 855729 | 223236 | 182858 | 1.25 | ABV/ABV | D |
| | PCB 145 (BZ) | 33:15 | 00:00 | 0 | 1031204 | 816543 | 227167 | 172006 | 1.26 | ABV/ABV | D |
| | PCB 135 (BZ) | 35:24 | 00:00 | 0 | 752780 | 580503 | 167100 | 125209 | 1.30 | ABV/ABV | D |
| | PCB 149 (BZ) | 36:16 | 00:00 | 0 | 1011111 | 805992 | 211215 | 167005 | 1.25 | ABV/ABV | DM |
| | PCB 139 (BZ) | 36:47 | 00:00 | 0 | 991798 | 770220 | 202619 | 164184 | 1.29 | AVV/AVV | D |
| | PCB 132 (BZ) | 37:35 | 00:00 | 0 | 856265 | 677826 | 180542 | 142018 | 1.26 | AVV/AVV | D |
| | PCB 165 (BZ) | 38:20 | 00:00 | 0 | 1177125 | 948192 | 251349 | 199593 | 1.24 | 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*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX2 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030721. | Prep Date | | SDG No | |
| Analysis ID | 96242 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 18:05 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | | | | | 359.8415 | 361.8385 | 359.8415 | 361.8385 | 1.05-1.43 | | |
| | PCB 168 (BZ) | 39:14 | 00:00 | 0 | 1281821 | 1019100 | 271558 | 215789 | 1.26 | ABV/AVV | DM |
| | PCB 137 (BZ) | 40:04 | 00:00 | 0 | 970394 | 766613 | 205596 | 163971 | 1.27 | AVV/AVV | D |
| | PCB 160 (BZ) | 40:40 | 00:00 | 0 | 1243254 | 978649 | 256081 | 198970 | 1.27 | ABV/ABV | M |
| | PCB 128 (BZ) | 41:50 | 00:00 | 0 | 919127 | 735723 | 185229 | 148294 | 1.25 | ABV/ABV | |
| | PCB 162 (BZ) | 42:59 | 00:00 | 0 | 1332090 | 1050564 | 274867 | 217328 | 1.27 | AVV/ABV | |
| | PCB 157 (BZ) | 44:43 | 00:00 | 0 | 1300421 | 1036137 | 265414 | 214305 | 1.26 | AVV/ABV | M |
| 372 | | | | | 371.8817 | 373.8788 | 371.8817 | 373.8788 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 120 | 140 | 48 | 56 | 0.86 * | / | |
| | 13C12-PCB 155 | 32:04 | 00:00 | 0 | 1058862 | 829522 | 226505 | 179590 | 1.28 | ABV/ABV | D |
| | 13C12-PCB 153 | 39:10 | 00:00 | 0 | 1122818 | 869729 | 232745 | 184285 | 1.29 | ABV/ABV | D |
| | 13C12-PCB 138 | 40:29 | 00:00 | 0 | 1079158 | 842525 | 229582 | 172047 | 1.28 | ABV/ABV | |
| | 13C12-PCB 167 | 43:26 | 00:00 | 0 | 1326526 | 1044273 | 266720 | 208340 | 1.27 | AVV/AVV | |
| | 13C12-PCB 156 | 44:36 | 00:00 | 0 | 1153332 | 915406 | 263400 | 208912 | 1.26 | ABV/ABV | D |
| | 13C12-PCB 157 | 44:41 | 00:00 | 0 | 1447034 | 1129691 | 285878 | 224908 | 1.28 | AVB/AVB | M |
| | 13C12-PCB 169 | 47:52 | 00:00 | 0 | 1256400 | 986642 | 256295 | 205194 | 1.27 | ABV/ABV | D |
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 240 | 308 | 96 | 123 | 0.78 * | / | |
| | PCB 184 (BZ) | 38:40 | 00:00 | 0 | 1141081 | 1084637 | 239241 | 224464 | 1.05 | ABV/ABV | |
| | PCB 186 (BZ) | 39:36 | 00:00 | 0 | 1047138 | 1005028 | 219549 | 209403 | 1.04 | ABV/ABV | D |
| | PCB 187 (BZ) | 41:48 | 00:00 | 0 | 888525 | 820538 | 179660 | 167042 | 1.08 | ABV/AVV | D |
| | PCB 185 (BZ) | 42:33 | 00:00 | 0 | 781509 | 751401 | 157336 | 154203 | 1.04 | AVV/AVV | D |
| | PCB 181 (BZ) | 43:30 | 00:00 | 0 | 816947 | 772387 | 166455 | 160481 | 1.06 | AVV/AVV | D |
| | PCB 192 (BZ) | 45:35 | 00:00 | 0 | 1016426 | 969820 | 210829 | 198583 | 1.05 | AVV/ABV | D |
| 406 | | | | | 405.8428 | 407.8398 | 405.8428 | 407.8398 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 155 | 133 | 62 | 53 | 1.17 | / | |
| | 13C12-PCB 188 | 37:49 | 00:00 | 0 | 1115234 | 1044423 | 231993 | 219376 | 1.07 | ABV/ABV | D |
| | 13C12-PCB 178 | 40:53 | 00:00 | 0 | 731901 | 686081 | 148759 | 143289 | 1.07 | ABV/ABV | |
| | 13C12-PCB 180 | 45:57 | 00:00 | 0 | 949069 | 861726 | 189593 | 174935 | 1.10 | ABV/ABV | |
| | 13C12-PCB 170 | 47:17 | 00:00 | 0 | 755493 | 706108 | 149553 | 140587 | 1.07 | AVV/ABV | |
| | 13C12-PCB 189 | 50:21 | 00:00 | 0 | 1173864 | 1122745 | 235338 | 218696 | 1.05 | AVV/ABV | D |
| 428 | | | | | 427.7635 | 429.7606 | 427.7635 | 429.7606 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 180 | 190 | 72 | 76 | 0.95 | / | |
| | PCB 197 (BZ) | 44:59 | 00:00 | 0 | 1368074 | 1527760 | 282742 | 312867 | 0.90 | ABV/ABV | |
| | PCB 201 (BZ)/199 (IUPAC | 47:56 | 00:00 | 0 | 959159 | 1058531 | 197439 | 220092 | 0.91 | ABV/ABV | DM |
| | PCB 203 (BZ) | 48:45 | 00:00 | 0 | 1077909 | 1170669 | 217995 | 231260 | 0.92 | AVB/AVV | D |
| 440 | | | | | 439.8038 | 441.8008 | 439.8038 | 441.8008 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 113 | 135 | 45 | 54 | 0.83 | / | |
| | 13C12-PCB 202 | 43:10 | 00:00 | 0 | 872367 | 936066 | 177641 | 194104 | 0.93 | ABV/ABV | D |
| | 13C12-PCB 194 | 52:25 | 00:00 | 0 | 717848 | 790203 | 140112 | 159113 | 0.91 | ABV/ABV | |
| | 13C12-PCB 205 | 52:53 | 00:00 | 0 | 975503 | 1064632 | 194692 | 209012 | 0.92 | ABV/ABV | |
| 462 | | | | | 461.7246 | 463.7216 | 461.7246 | 463.7216 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 474 | | | | | 473.7648 | 475.7619 | 473.7648 | 475.7619 | 0.65-0.89 | | |

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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX2 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030721. | Prep Date | | SDG No | |
| Analysis ID | 96242 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 18:05 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

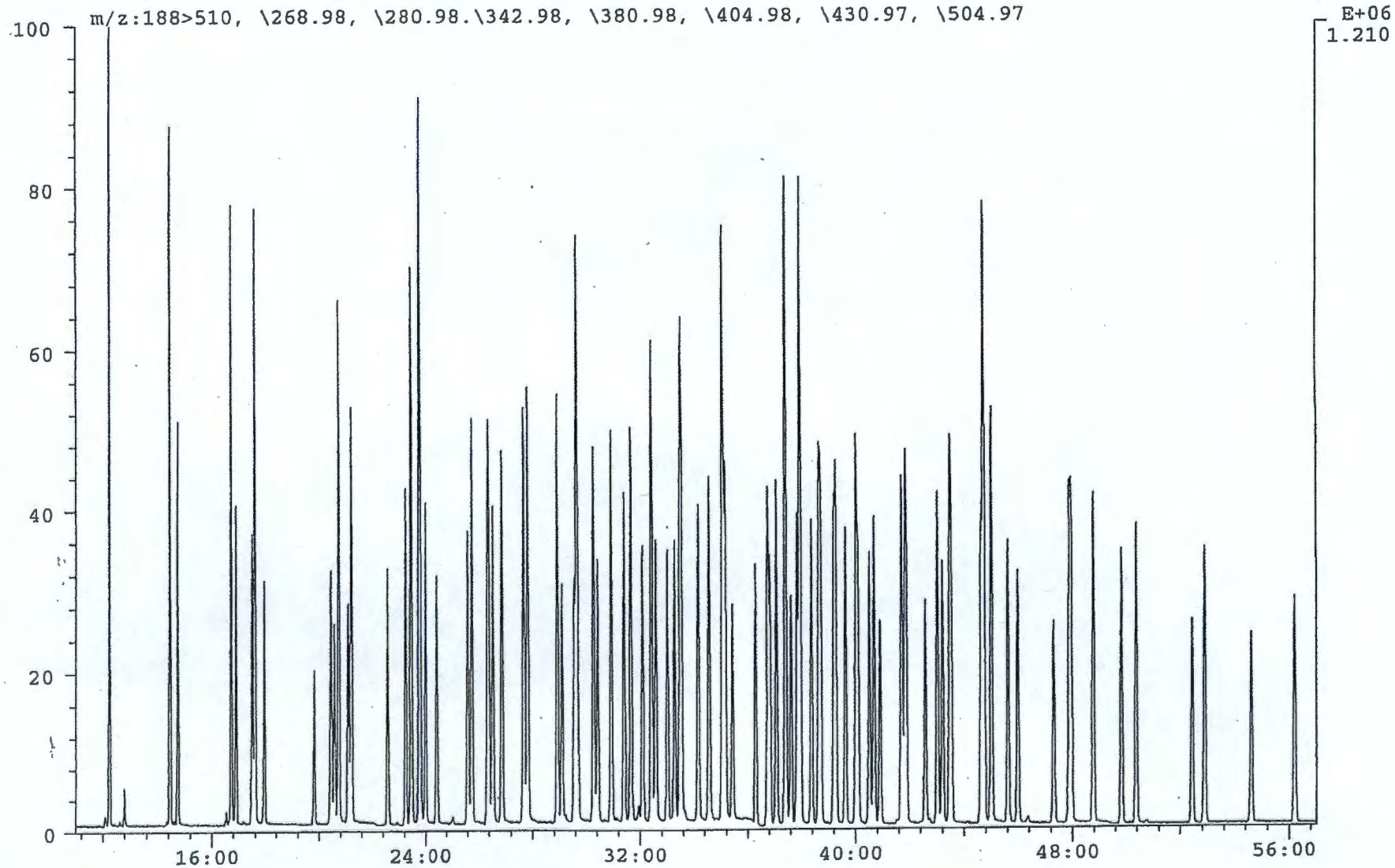
View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| 474 | | | | | 473.7648 | 475.7619 | 473.7648 | 475.7619 | 0.65-0.89 | |
| | Noise | 00:00 | 00:00 | 0 | 140 | 168 | 56 | 67 | 0.84 | / |
| | 13C12-PCB 208 | 49:48 | 00:00 | 0 | 853275 | 1061036 | 174567 | 214194 | 0.80 | AVV/AVV |
| | 13C12-PCB 206 | 54:35 | 00:00 | 0 | 556545 | 710317 | 111580 | 145043 | 0.78 | ABV/ABV |
| 496 | | | | | 495.6856 | 497.6826 | 495.6856 | 497.6826 | 0.59-0.79 | |
| | Noise | 00:00 | 00:00 | 0 | 95 | 88 | 38 | 35 | 1.09 * | / |
| 508 | | | | | 507.7258 | 509.7229 | 507.7258 | 509.7229 | 0.59-0.79 | |
| | Noise | 00:00 | 00:00 | 0 | 115 | 220 | 46 | 88 | 0.52 * | / |
| | 13C12-PCB 209 | 56:10 | 00:00 | 0 | 651110 | 925014 | 118913 | 175410 | 0.70 | ABV/ABV |

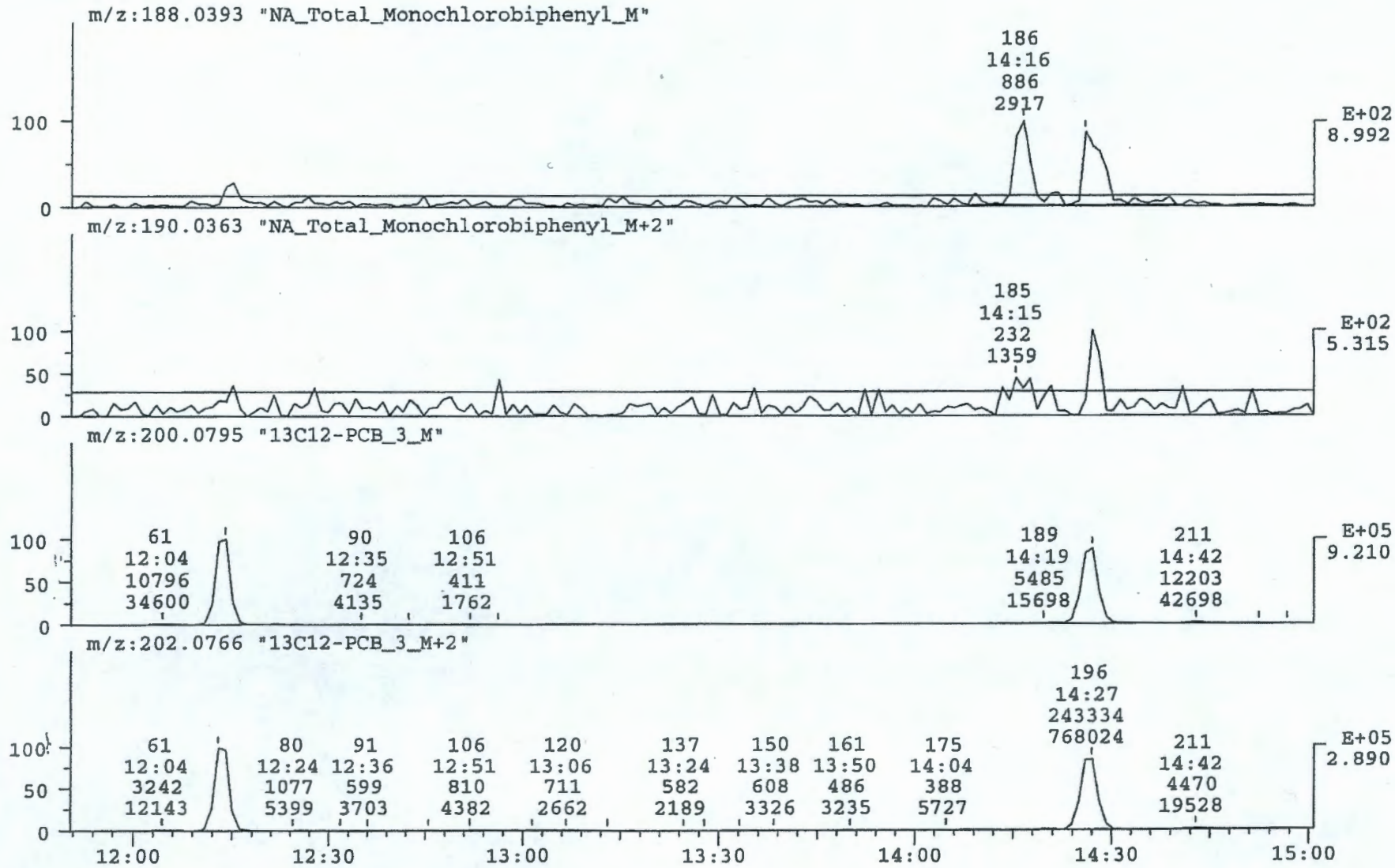
Notes:
R = ratio is outside limits  M = data changed manually  N = Peak not reported  S = peak less than 2.5x S/N
T = peaks outside cemax limit  D = peak outside RT window  W = peak outside first/last  X = peak has dup match

Int DCG 3.1707
calc DCG 3.1907
QC [illegible] 3/19/07

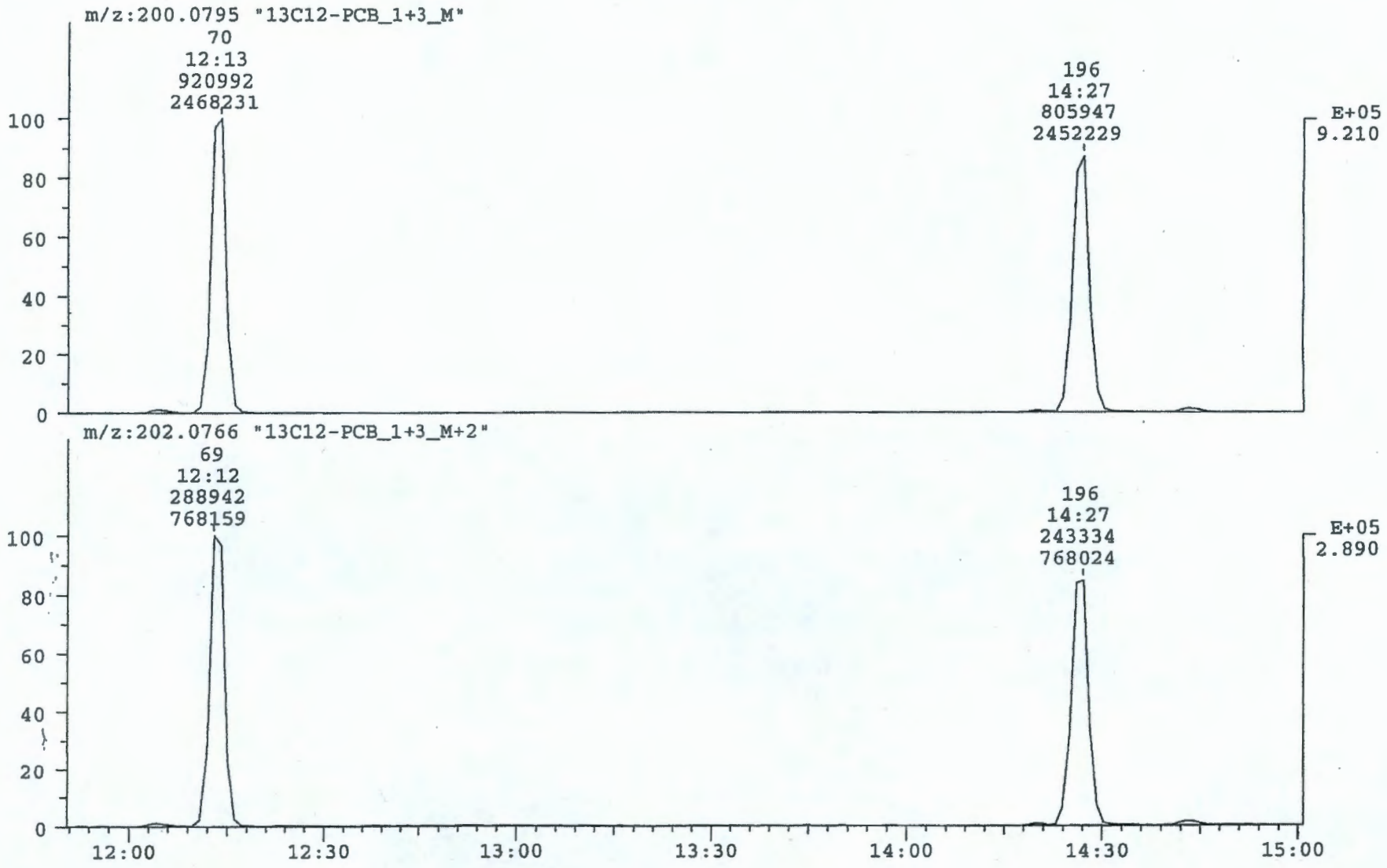
| | | | | | |
|---|---|---|---|---|---|
| CHRO: | a07030721 | 07-Mar-07 | Elapse: | 56:09 | 2553 |
| Samp: | Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 | | Start : | 18:05:25 | 2602 |
| Comm: | Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i | | | | |
| Mode: | EI +VE +LMR ESCAN LR NRM | | Study : | 1668 RT Mix2/Run1 | |
| Oper: | DCG | Client: STL Knoxville | Inlet : | GC | Vial 4 |
| 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 | | | | |



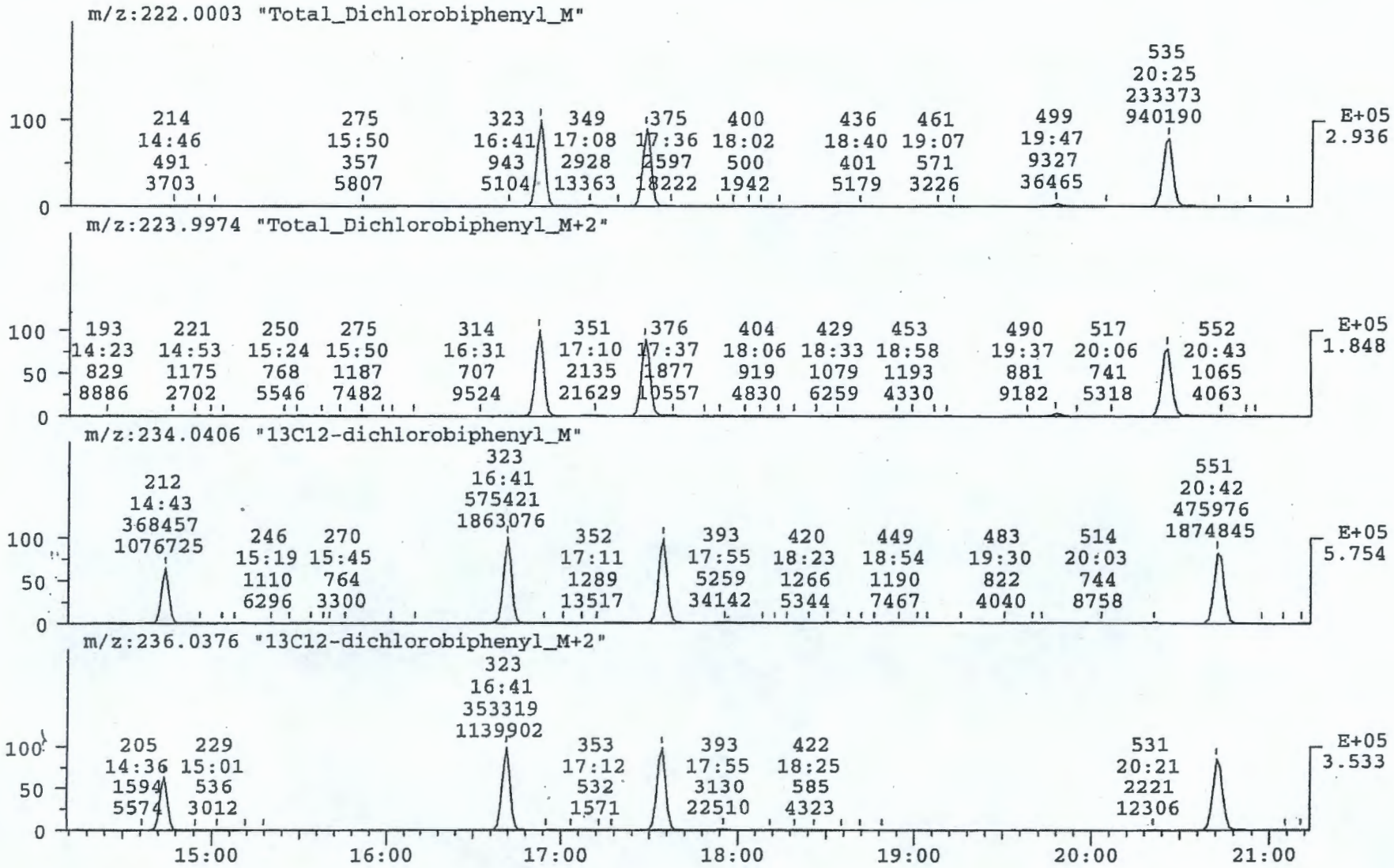
CHRO: a07030721 07-Mar-07 Elapse: 13:25.7 138
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 48 > 228 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



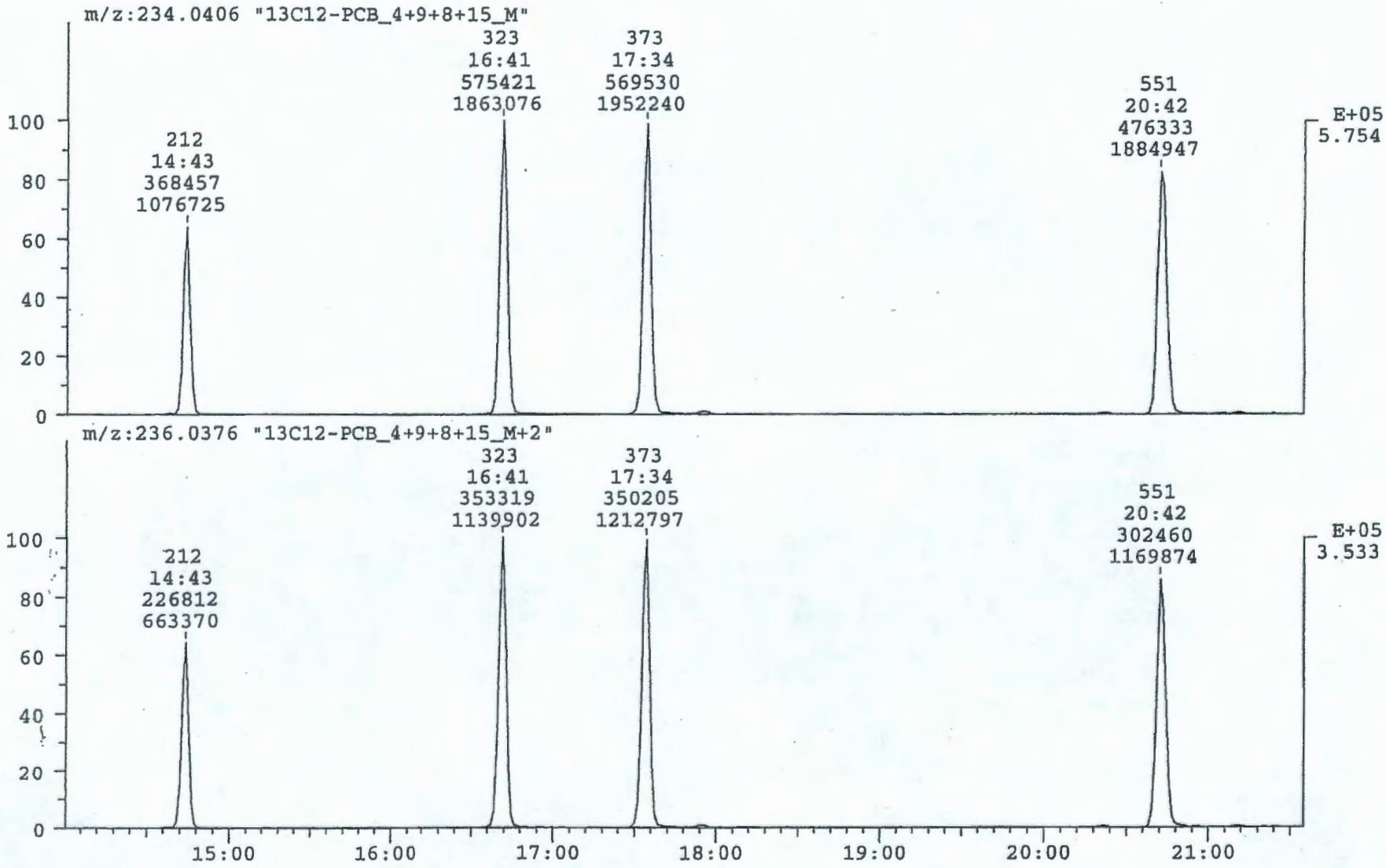
CHRO: a07030721 07-Mar-07 Elapse: 13:25.7 138
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 48 > 228 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



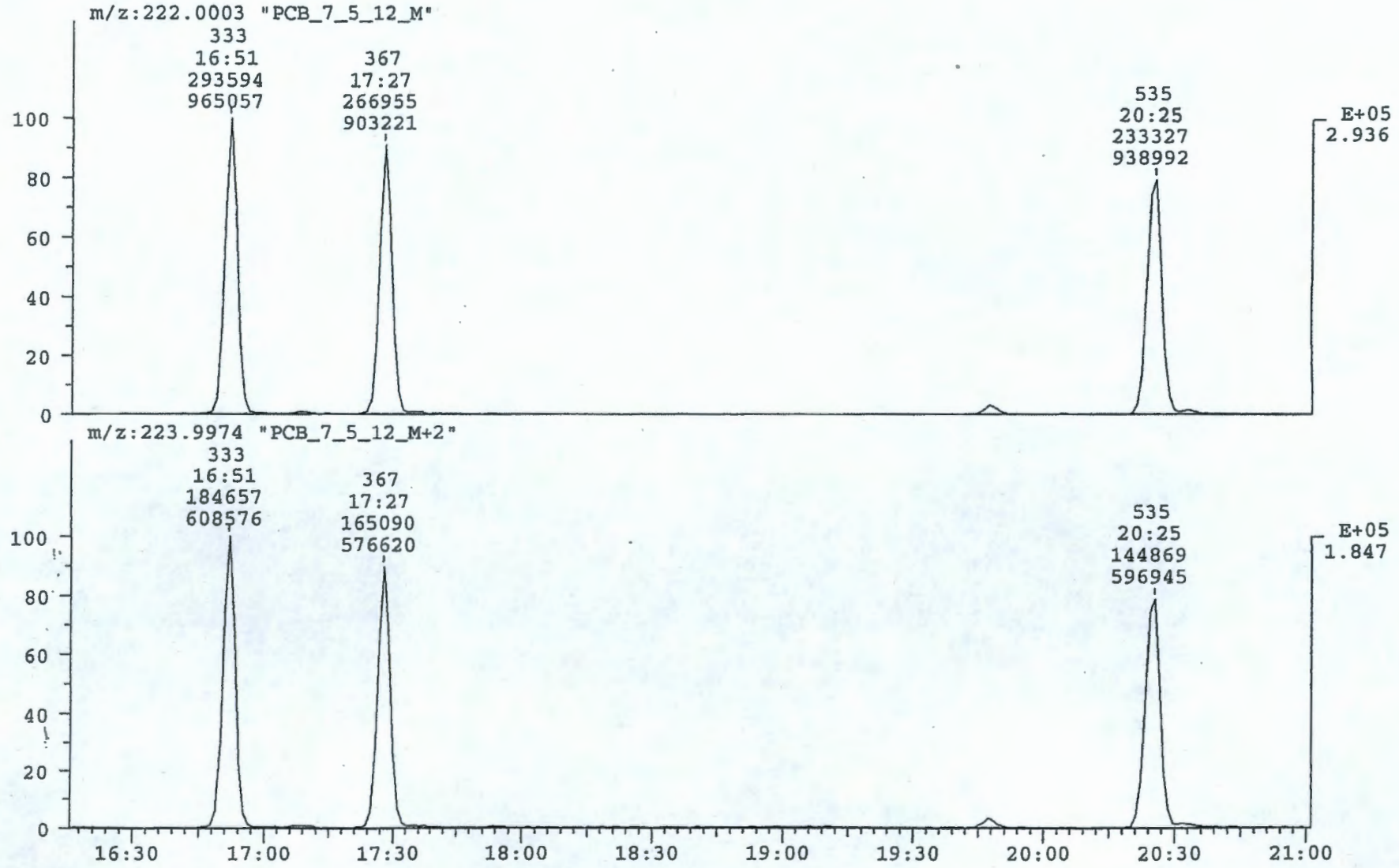
CHRO: a07030721 07-Mar-07 Elapse: 17:42.5 381
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 181 > 581 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



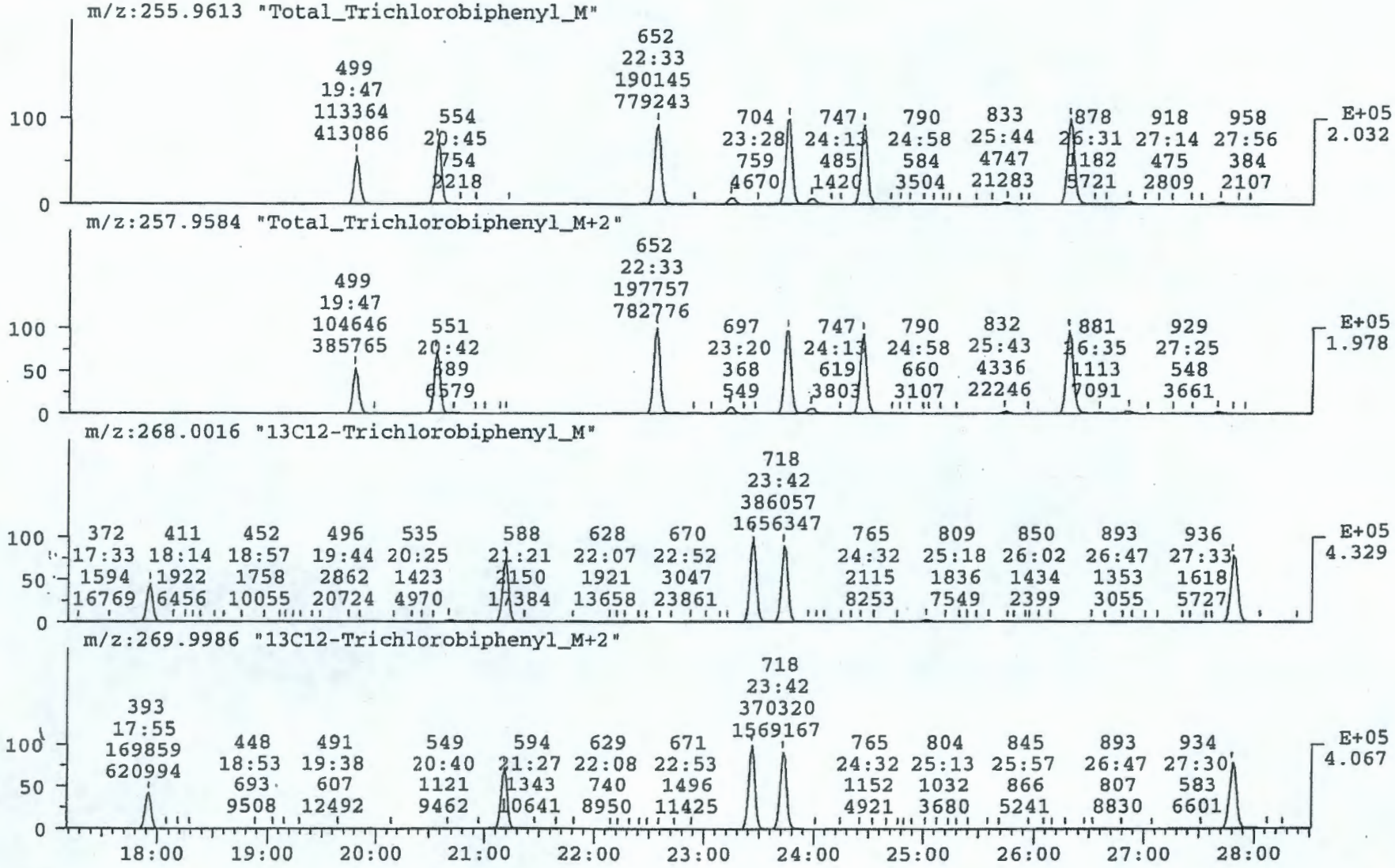
CHRO: a07030721 07-Mar-07 Elapse: 17:42.5 381
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 171 > 601 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



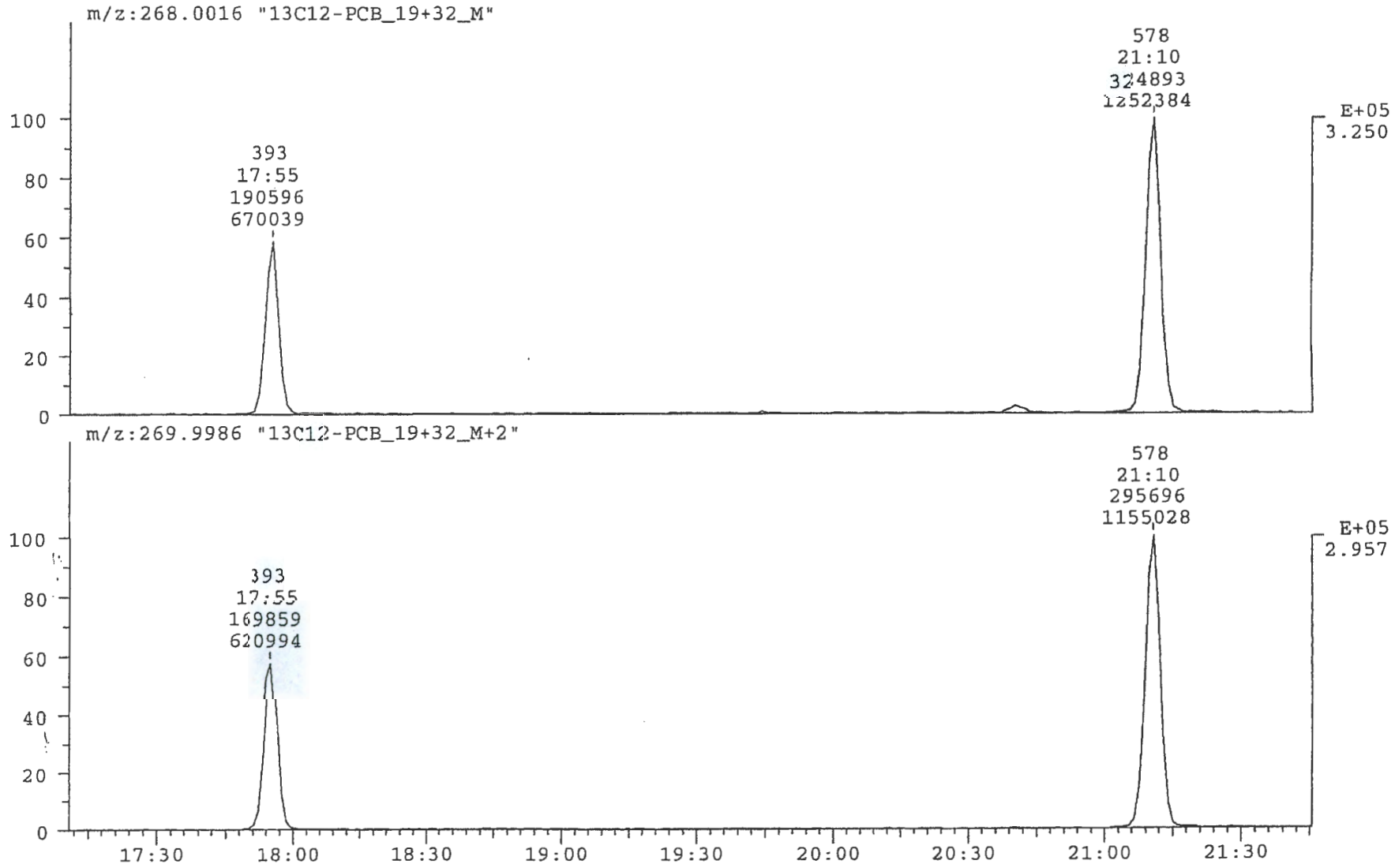
```
CHRO:  a07030721                                07-Mar-07   Elapse:  18:38.5      434
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   299 > 569             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



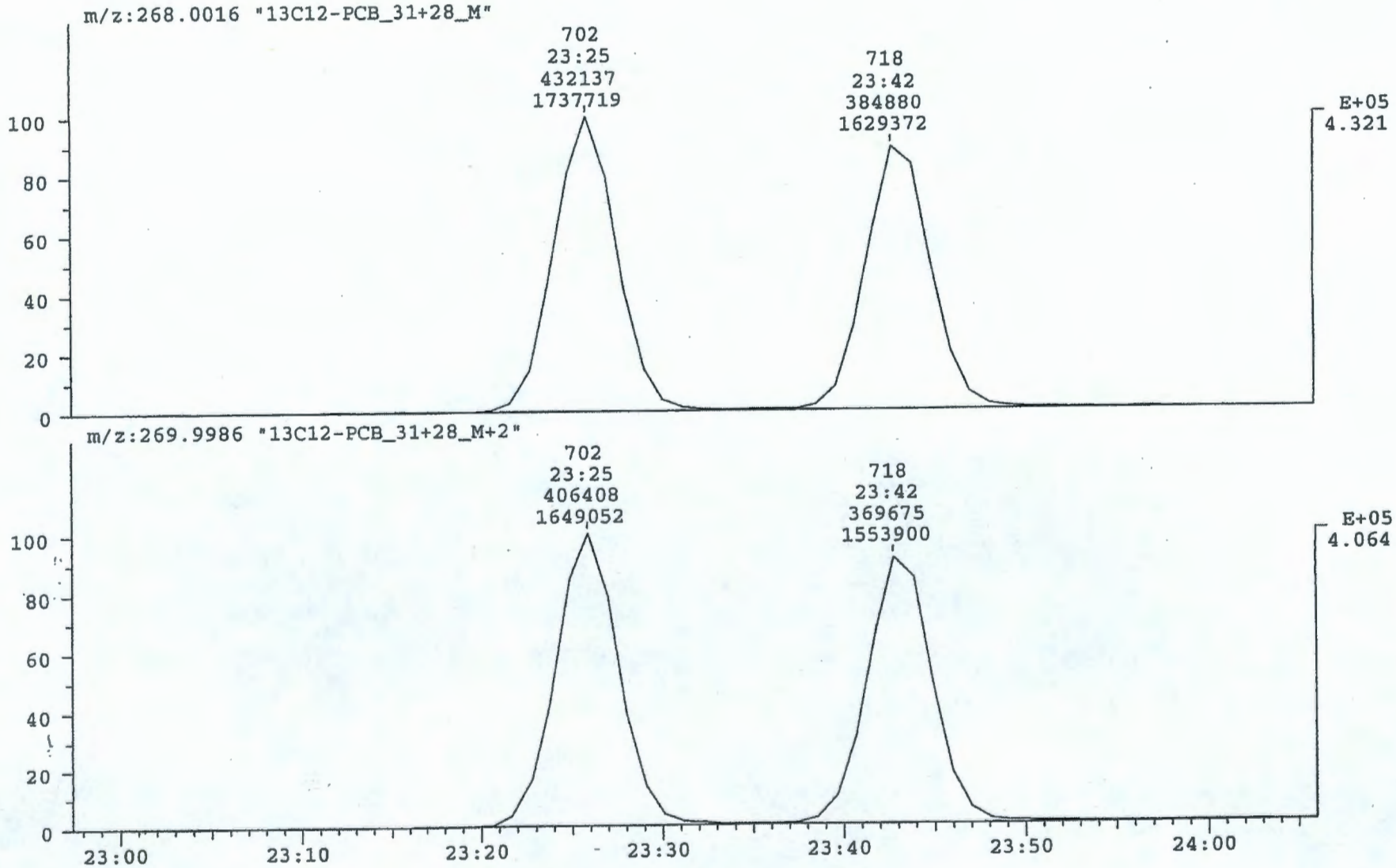
CHRO: a07030721 07-Mar-07 Elapse: 22:53.2 671
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 351 > 991 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



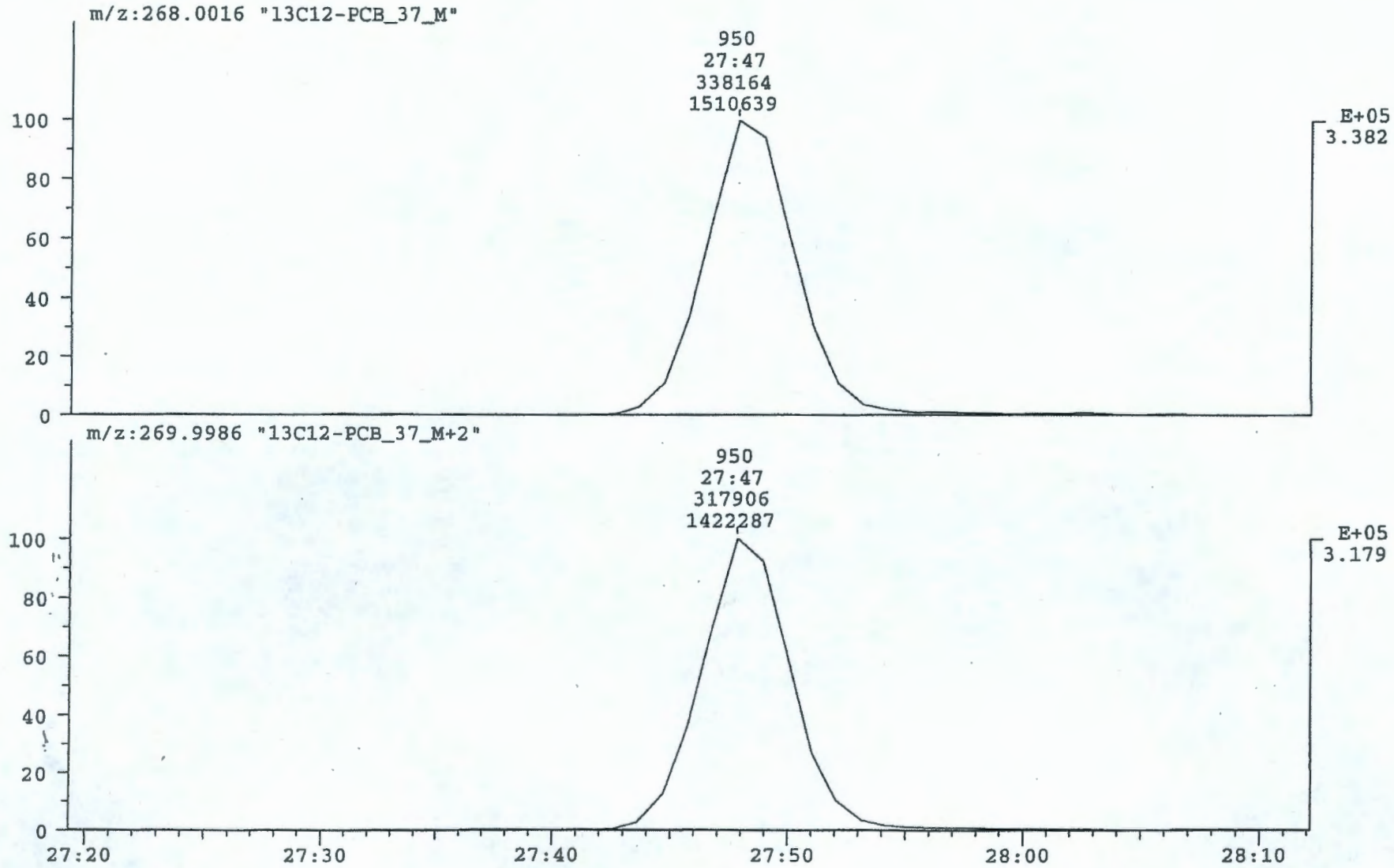
```
CHRO:  a07030721                                07-Mar-07   Elapse:  19:17.6      471
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25    2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



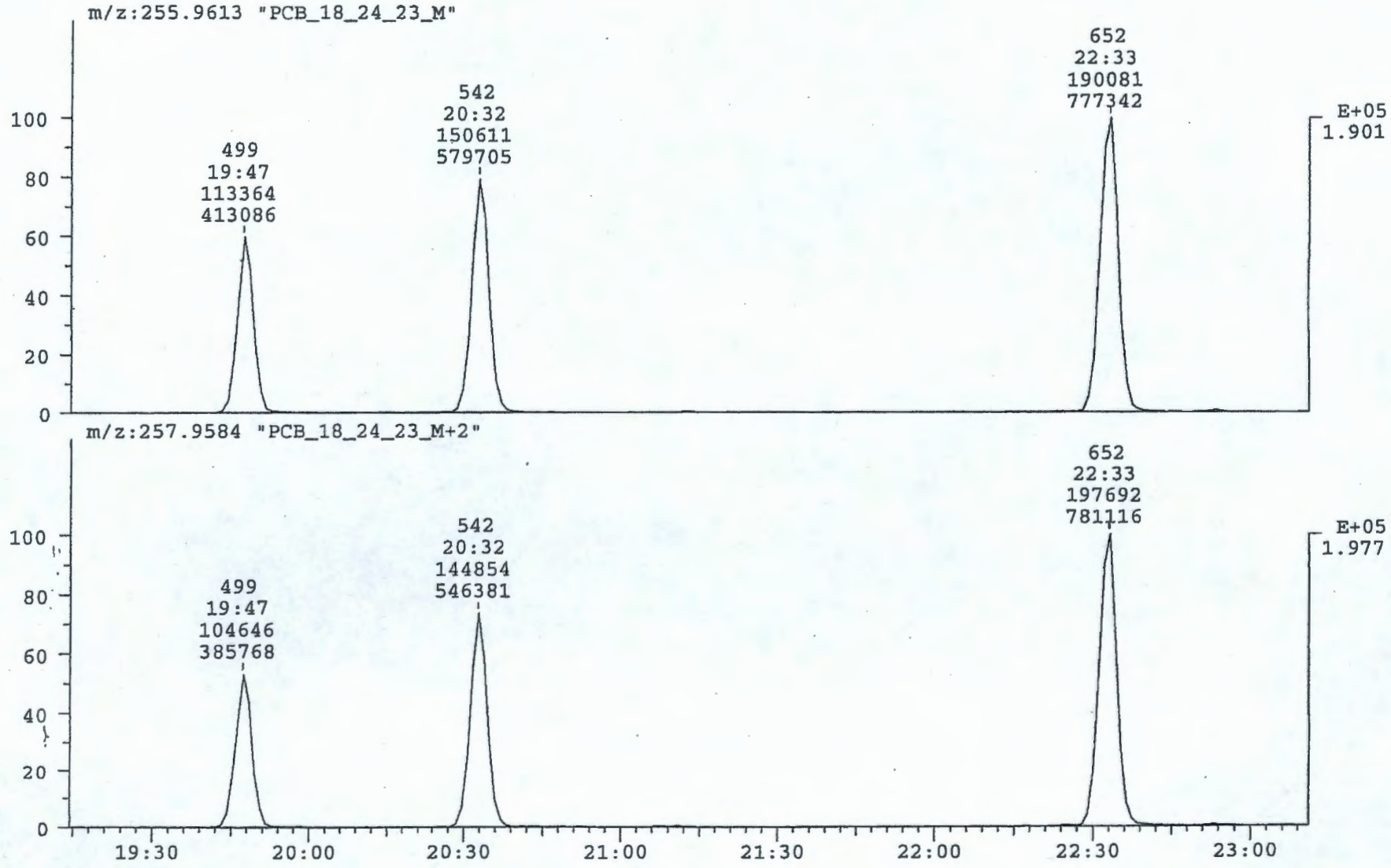
CHRO: a07030721 07-Mar-07 Elapse: 23:23.7 700
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 675 > 740 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



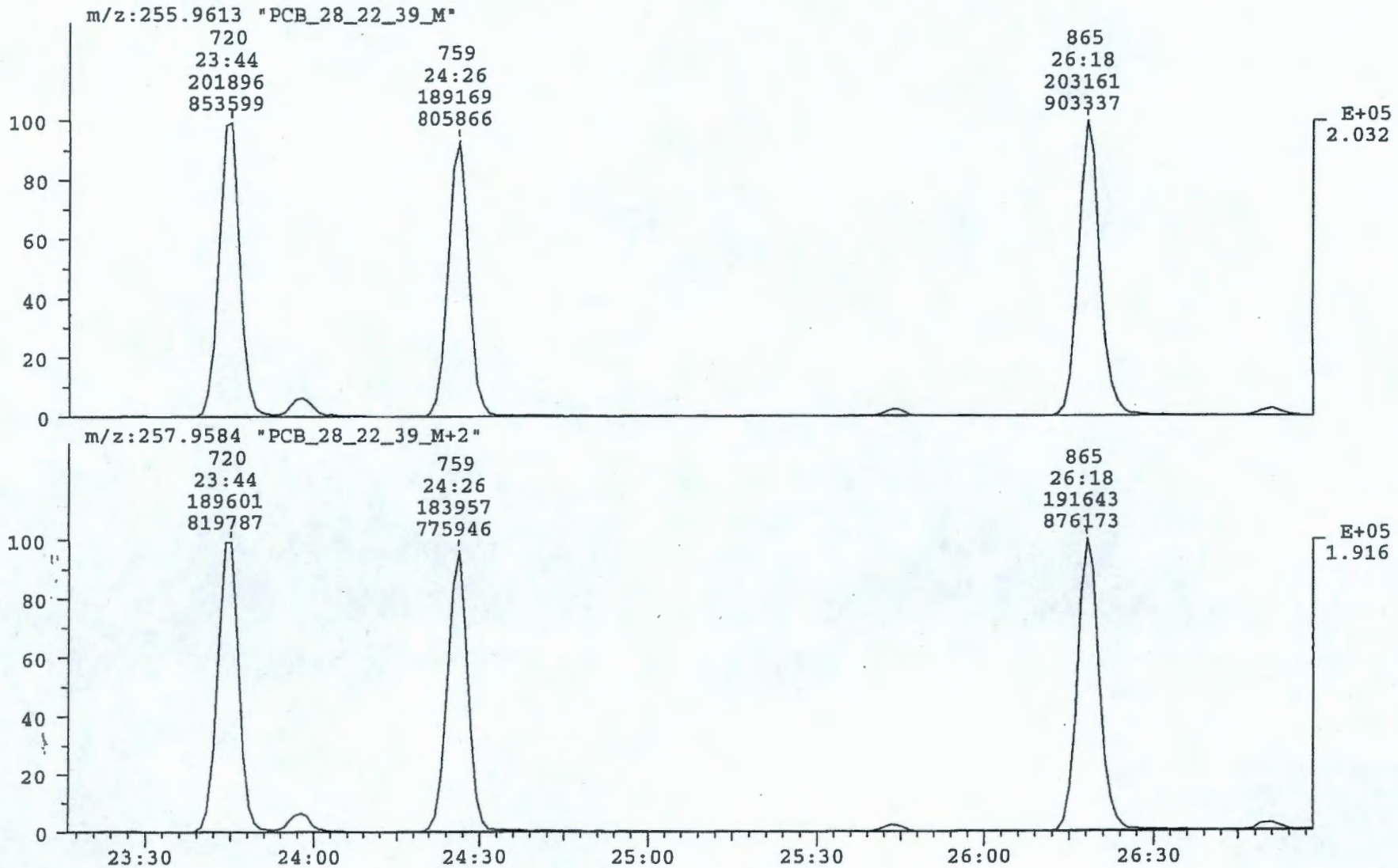
```
CHRO:  a07030721                                07-Mar-07   Elapse:  27:45.7      948
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



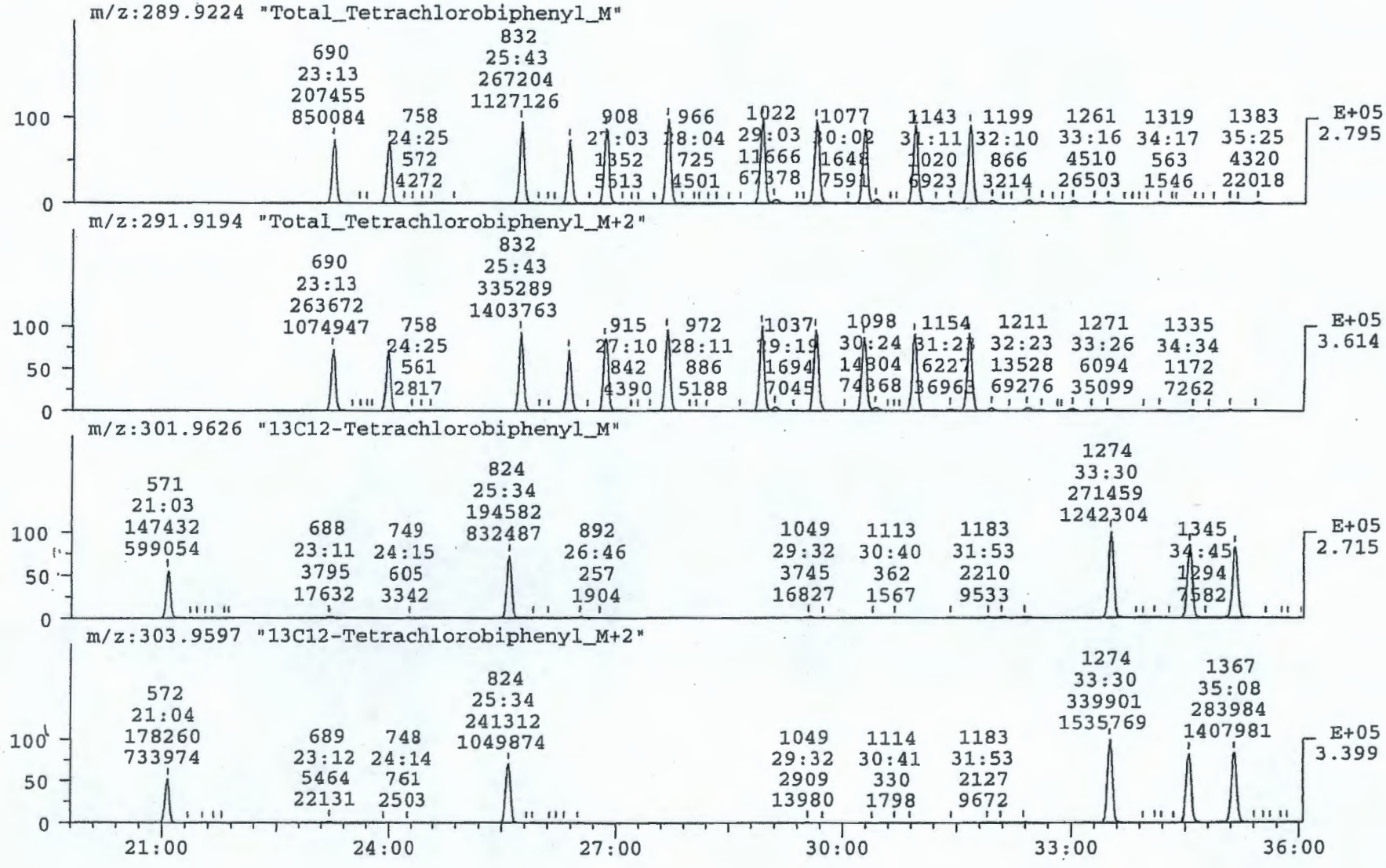
```
CHRO:  a07030721                                07-Mar-07   Elapse:  21:10.6      578
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   468 > 688             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



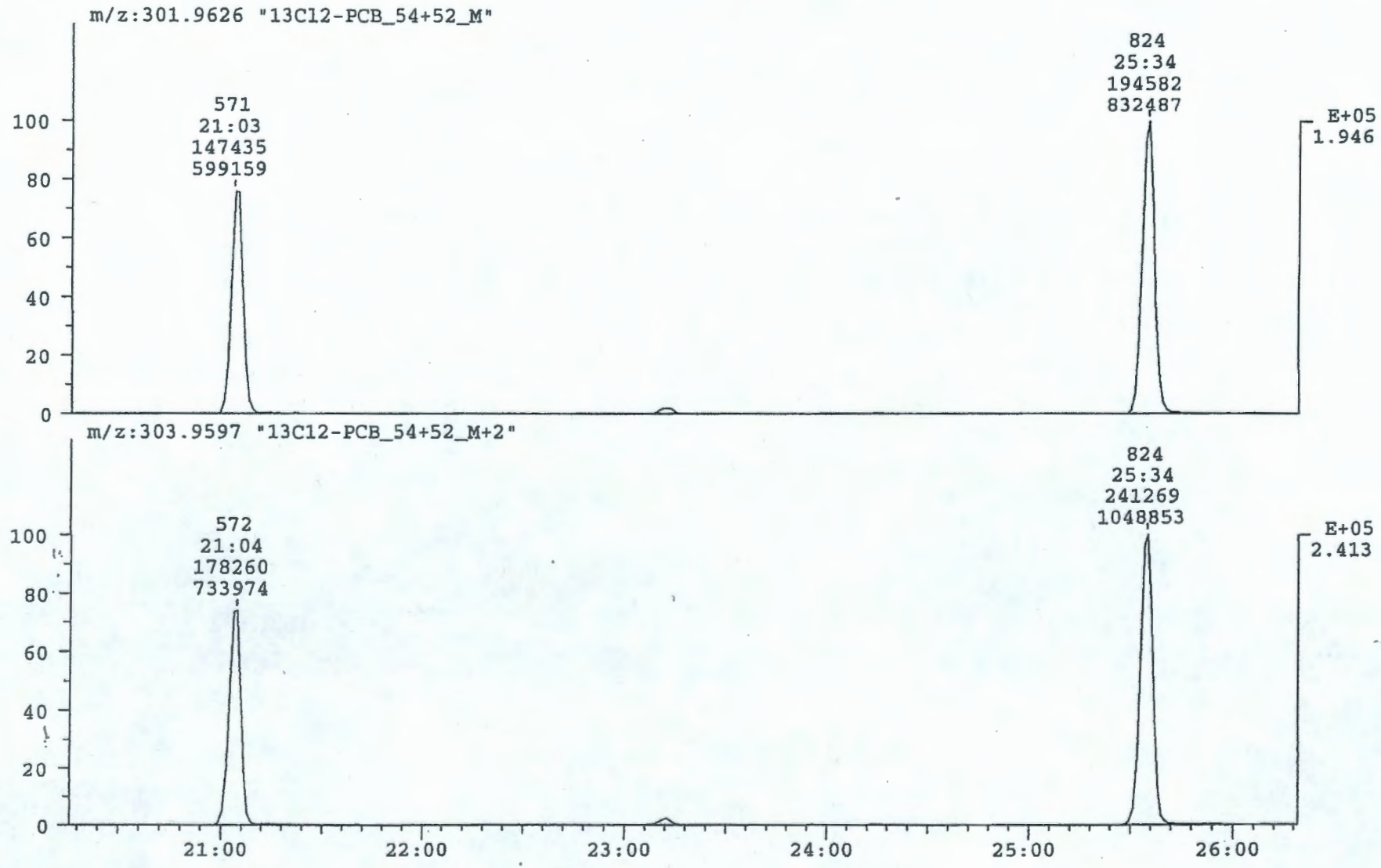
```
CHRO:  a07030721                                07-Mar-07   Elapse:  25:02.0      793
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm     Label wndw:   693 > 903              Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



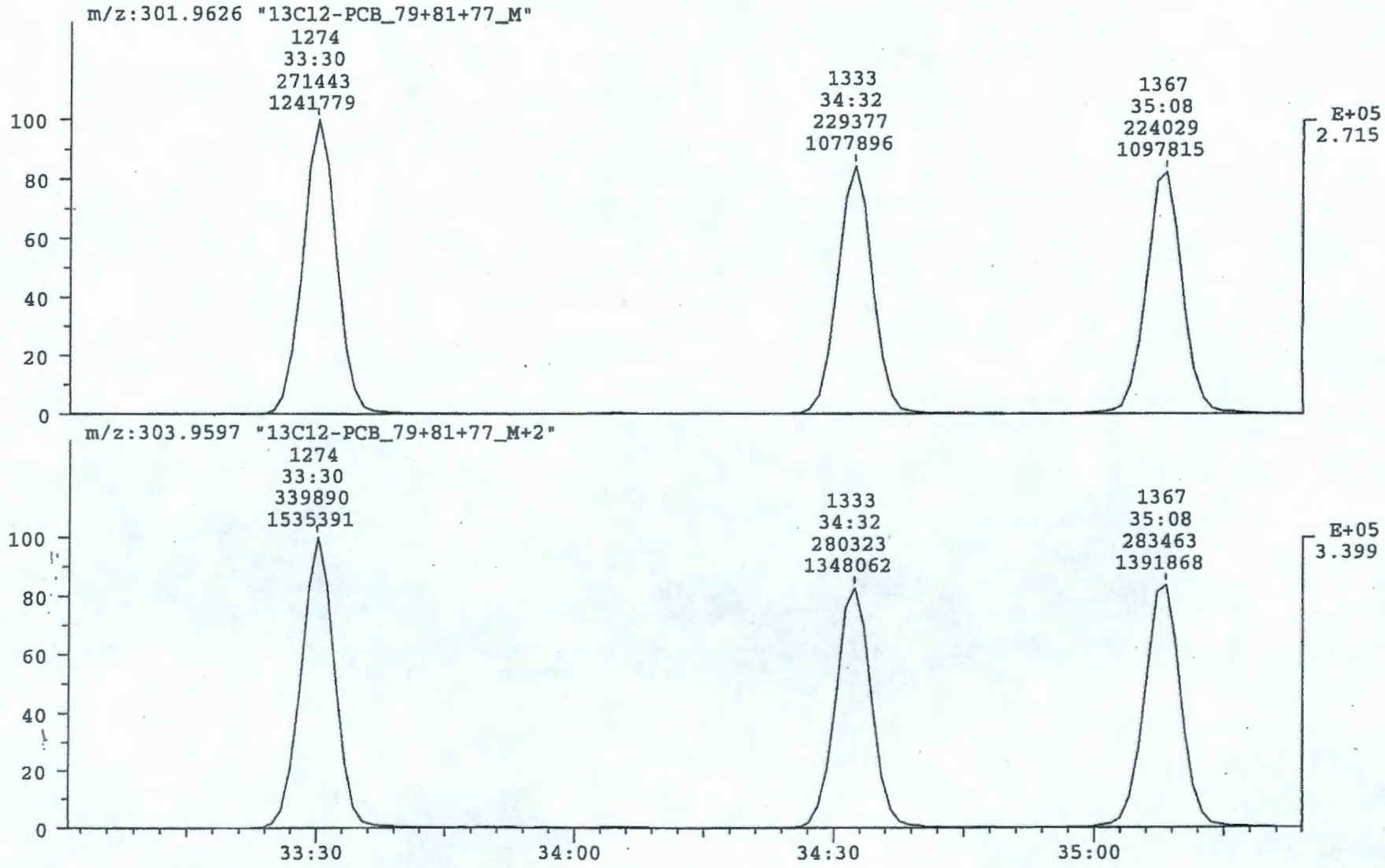
CHRO: a07030721 07-Mar-07 Elapse: 27:55.2 957
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 500 > 1419 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



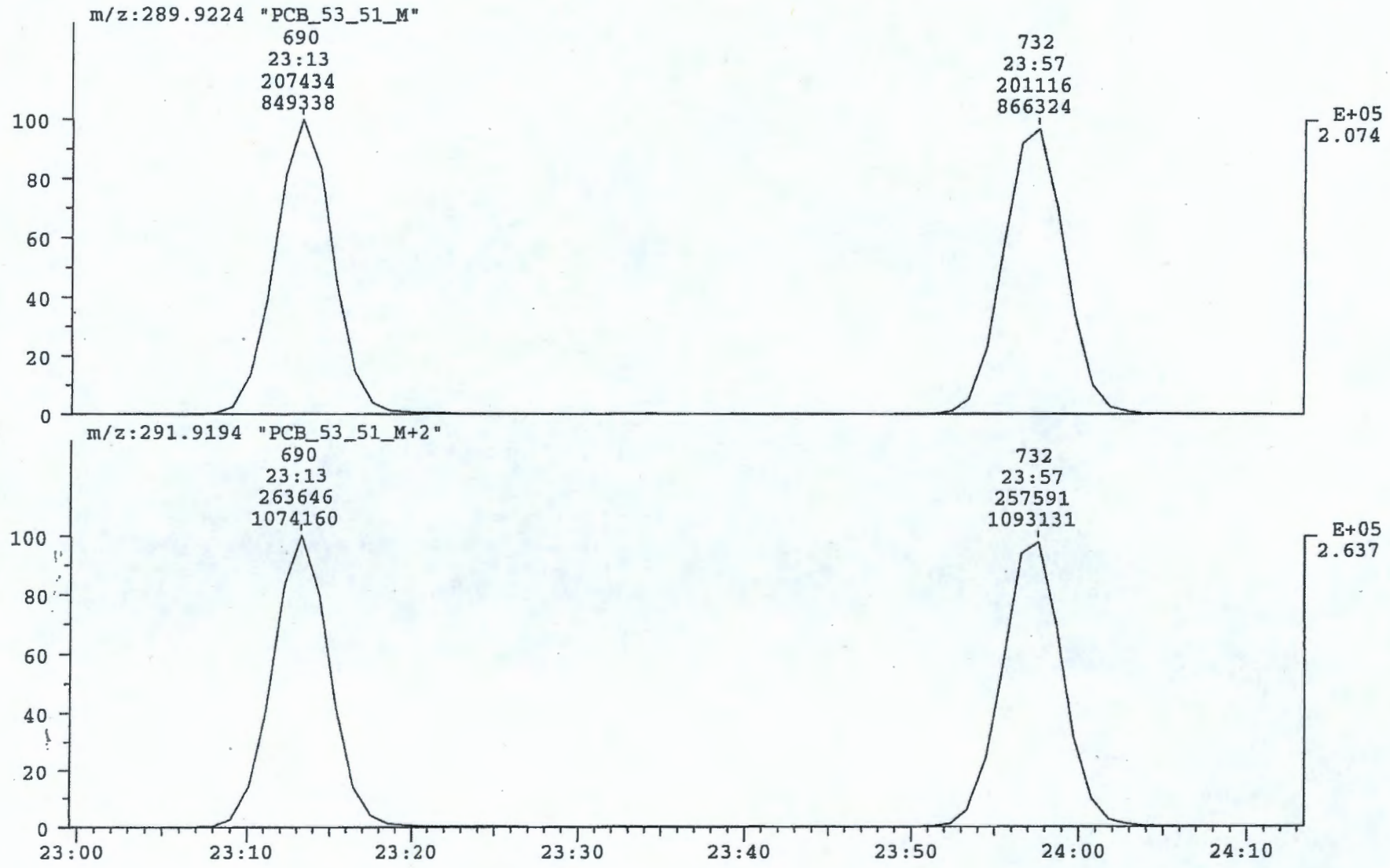
```
CHRO:  a07030721                                07-Mar-07   Elapse:  23:19.5      696
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25    2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



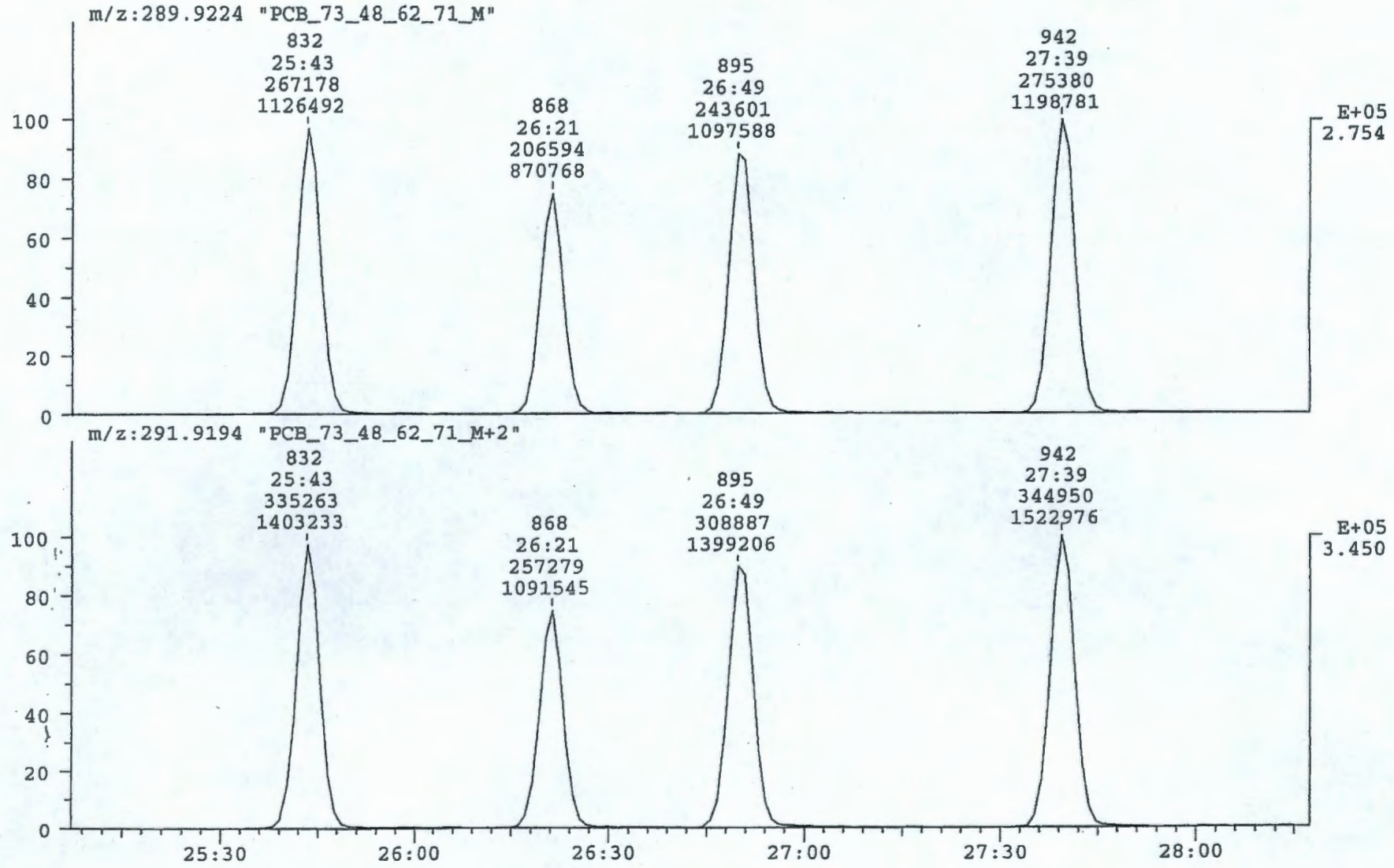
```
CHRO:  a07030721                                07-Mar-07  Elapse:  34:15      1317
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  18:05:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1247 > 1382         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



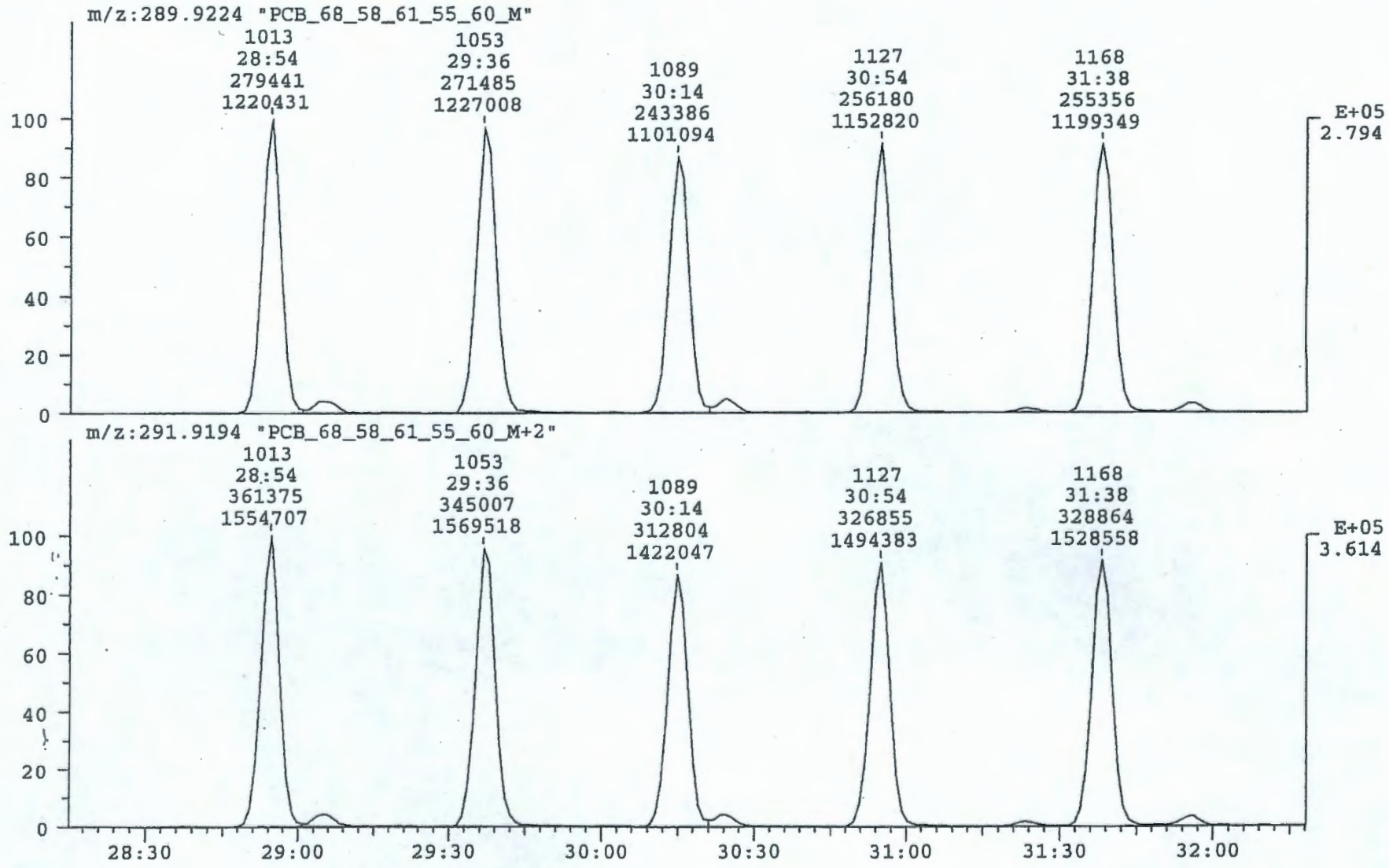
CHRO: a07030721 07-Mar-07 Elapse: 23:41.7 717
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 677 > 747 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



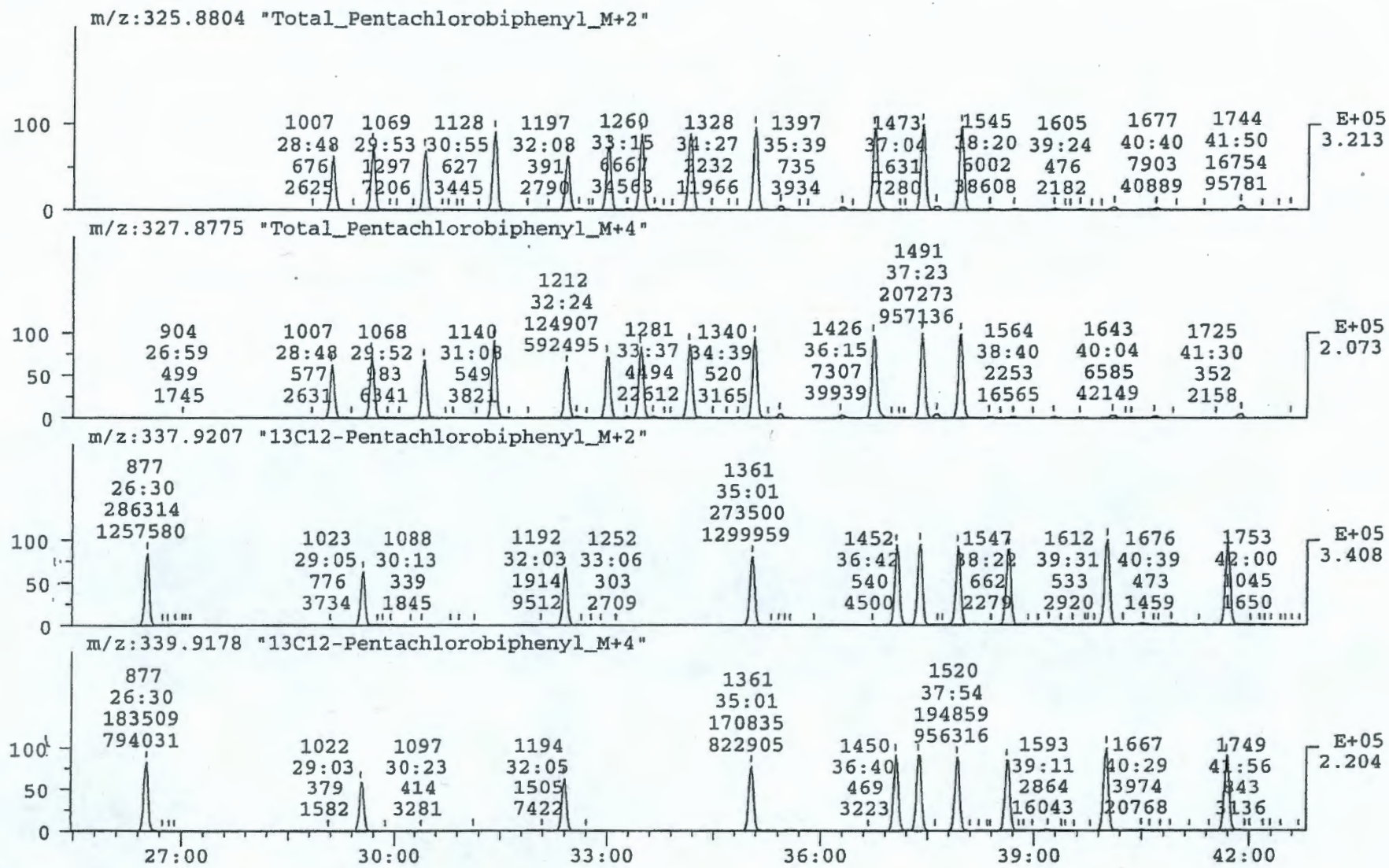
```
CHRO:  a07030721                                07-Mar-07   Elapse:  26:42.3      888
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   798 > 978             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



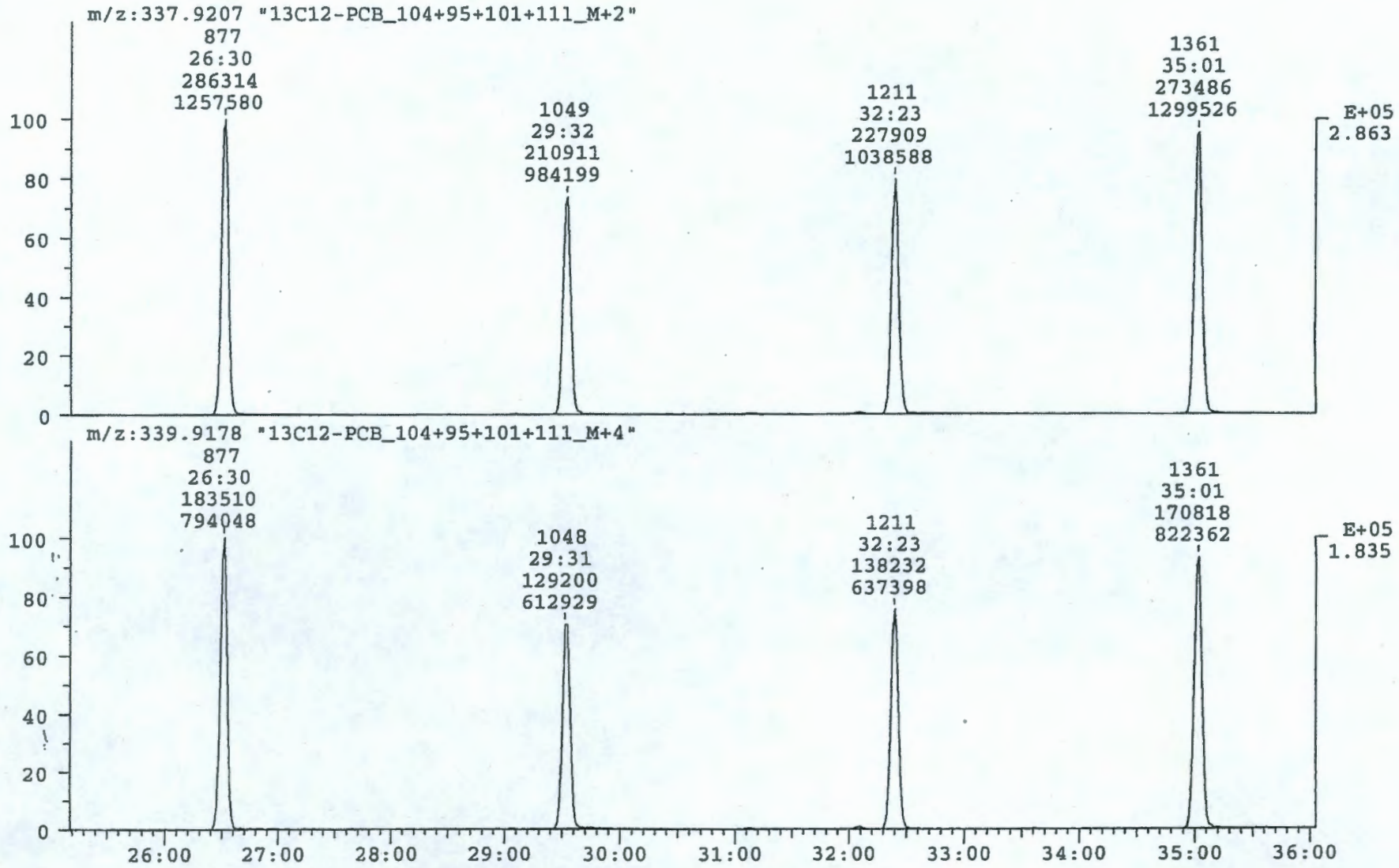
CHRO: a07030721 07-Mar-07 Elapse: 30:16 1091
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 976 > 1206 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



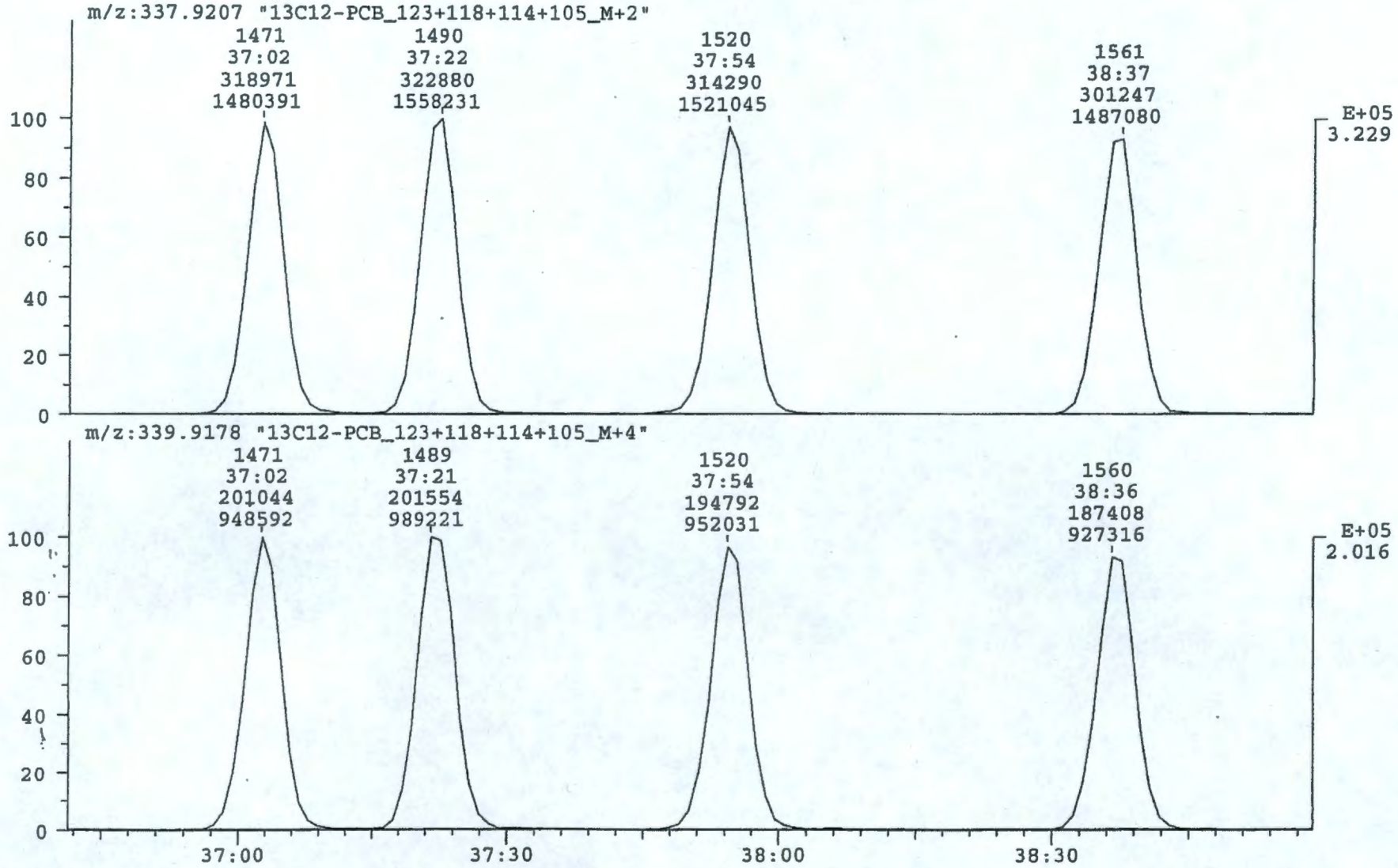
CHRO: a07030721 07-Mar-07 Elapse: 34:08 1310
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 818 > 1798 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



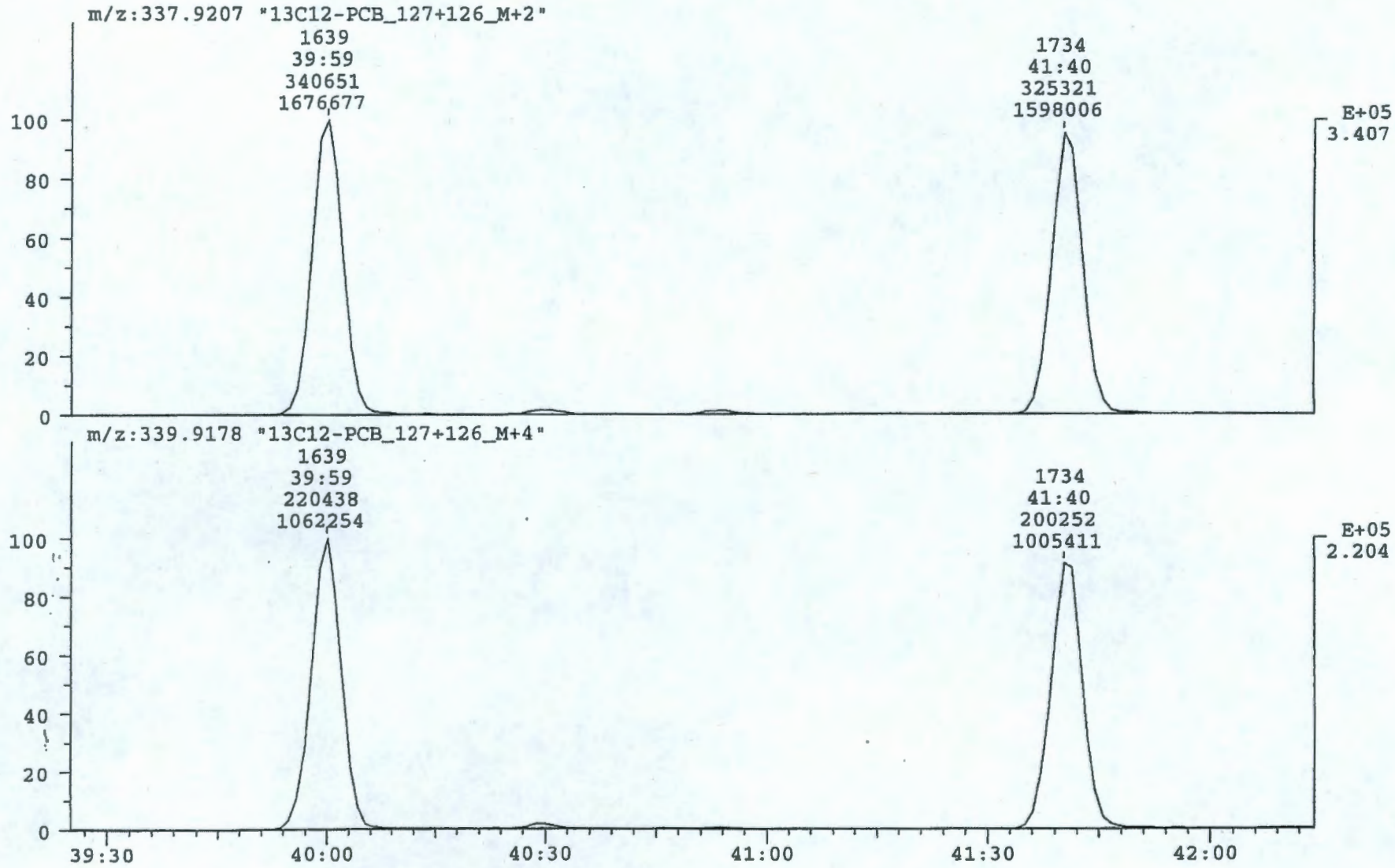
```
CHRO:  a07030721                                07-Mar-07   Elapse:  30:36      1110
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   802 > 1419            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



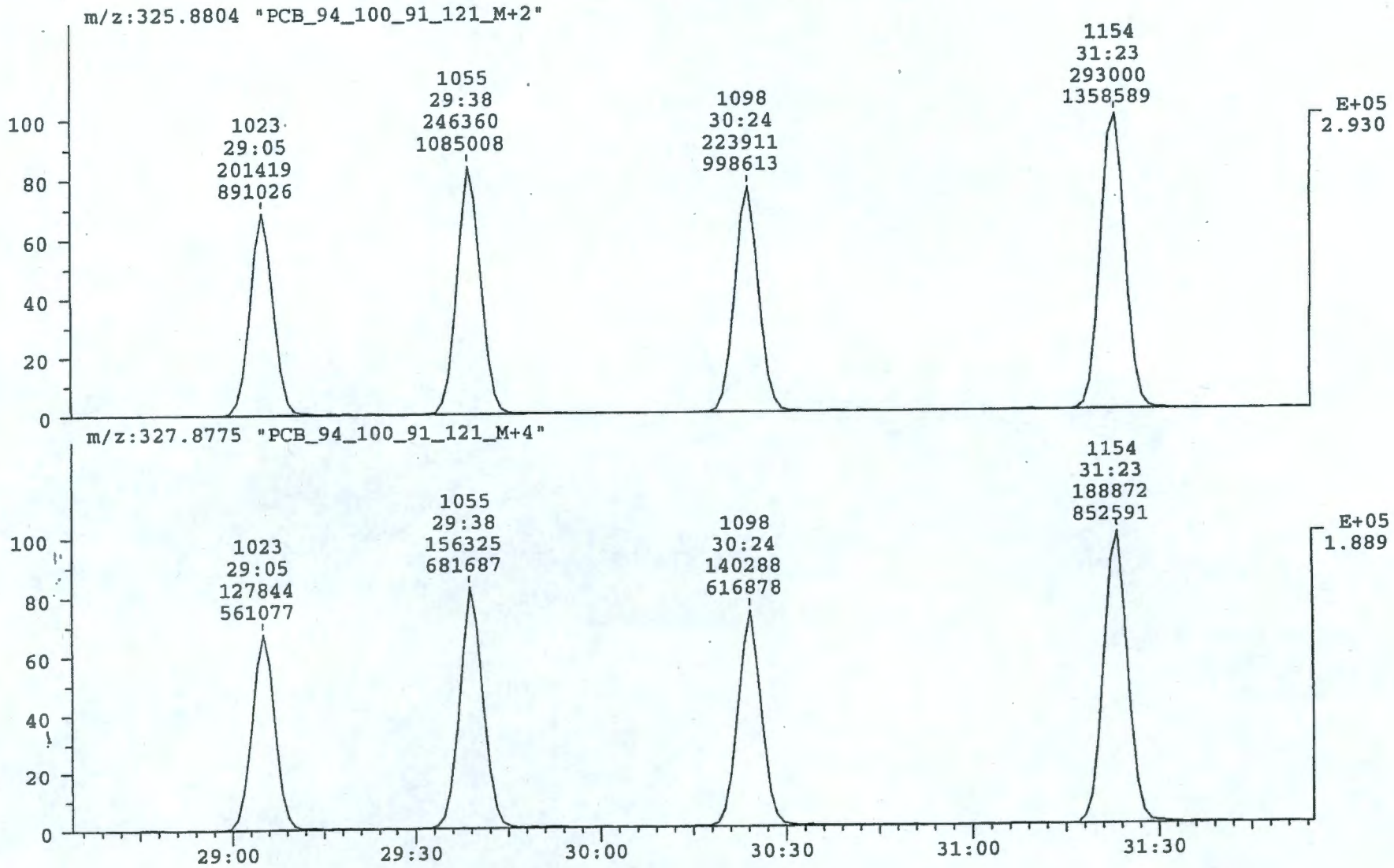
```
CHRO:  a07030721                                07-Mar-07   Elapse:  37:50      1516
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  4
Peak:  100.00  ppm      Label wndw:   1451 > 1581           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



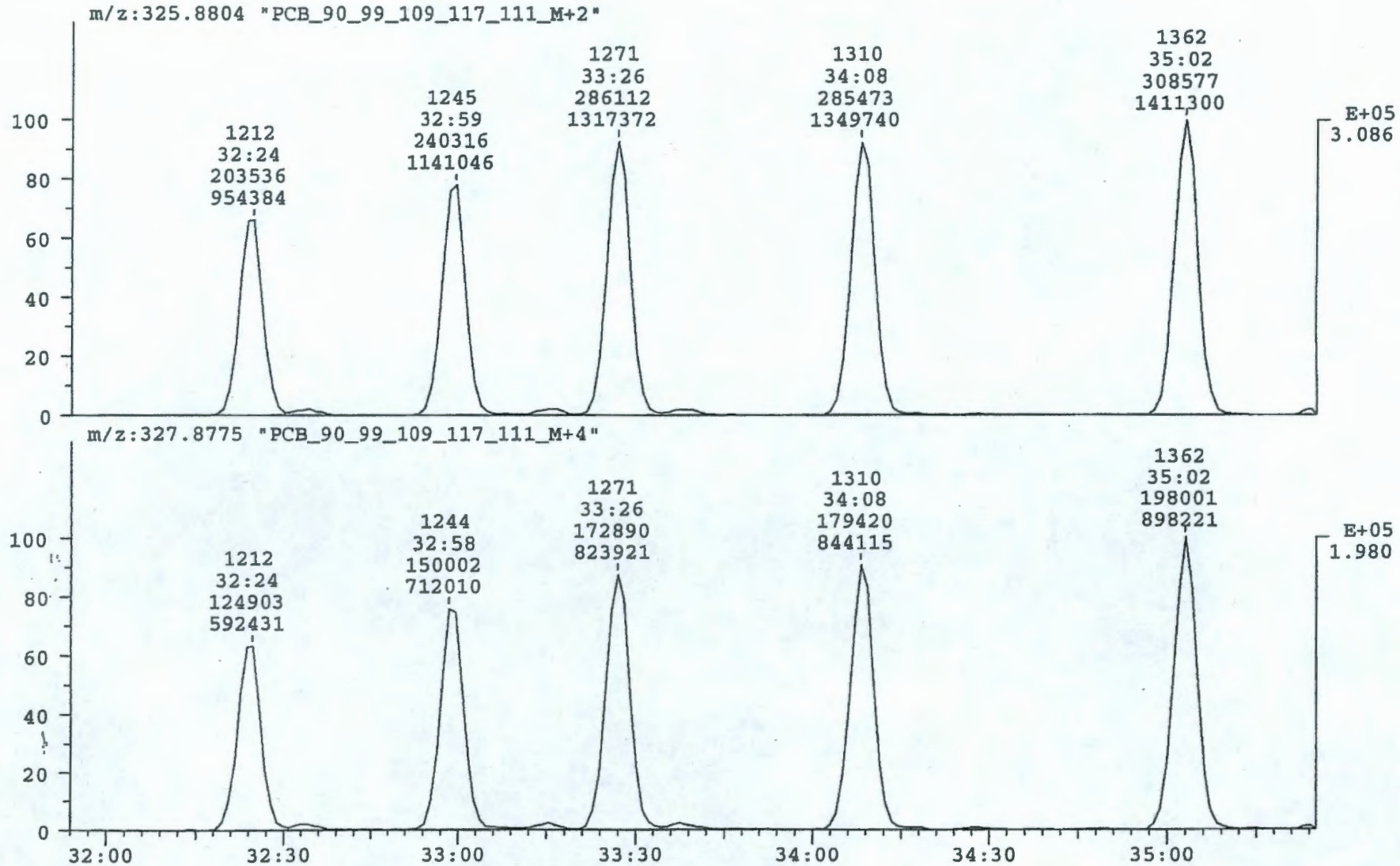
```
CHRO:  a07030721                                07-Mar-07  Elapse:  40:49      1686
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  18:05:25   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1606 > 1766         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



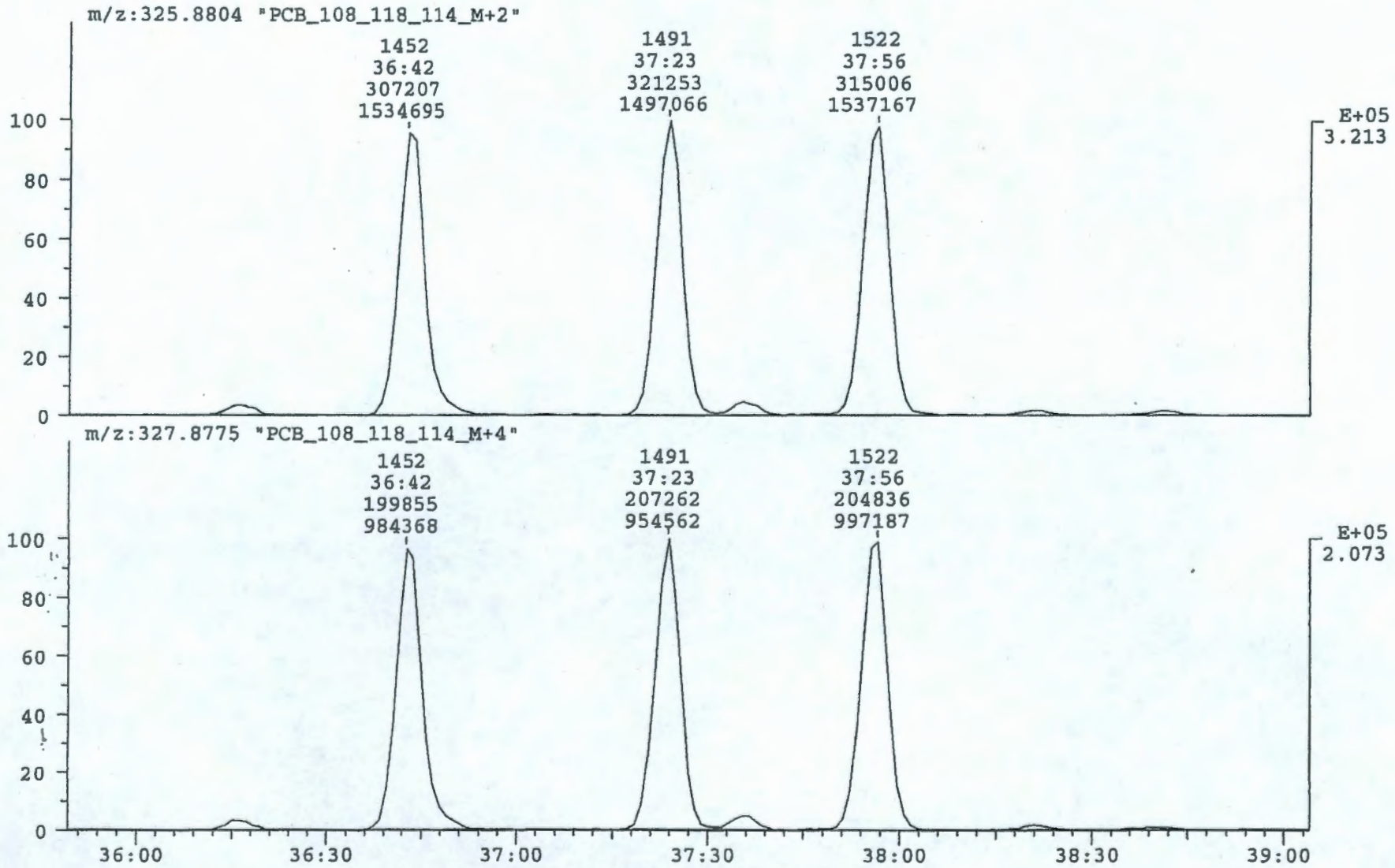
CHRO: a07030721 07-Mar-07 Elapse: 30:14 1089
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 994 > 1184 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



CHRO: a07030721 07-Mar-07 Elapse: 33:39 1283
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1183 > 1383 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



CHRO: a07030721 07-Mar-07 Elapse: 37:28 1496
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1406 > 1586 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  a07030721                                07-Mar-07  Elapse:  39:58      1638
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  18:05:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1159 > 2122         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
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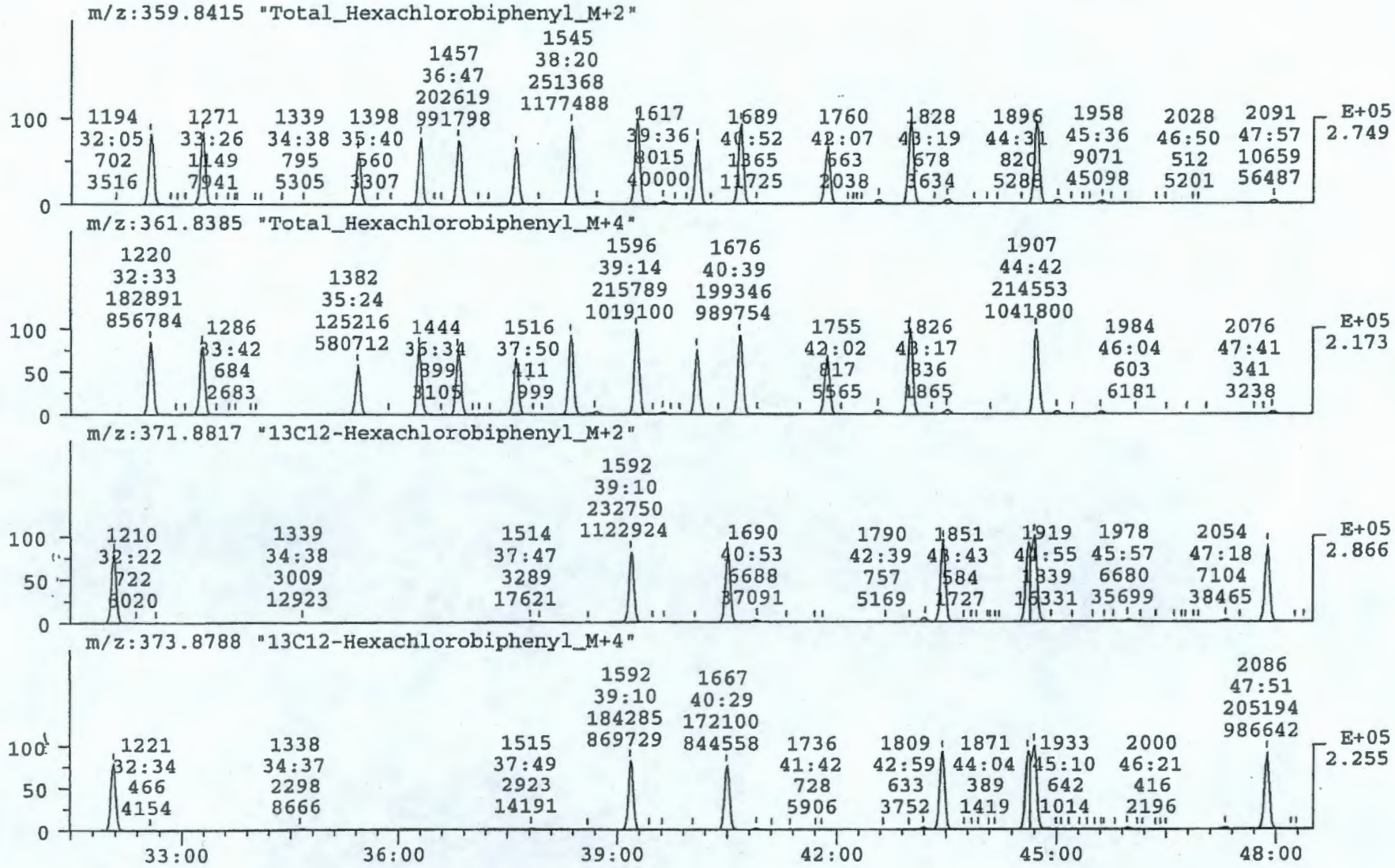
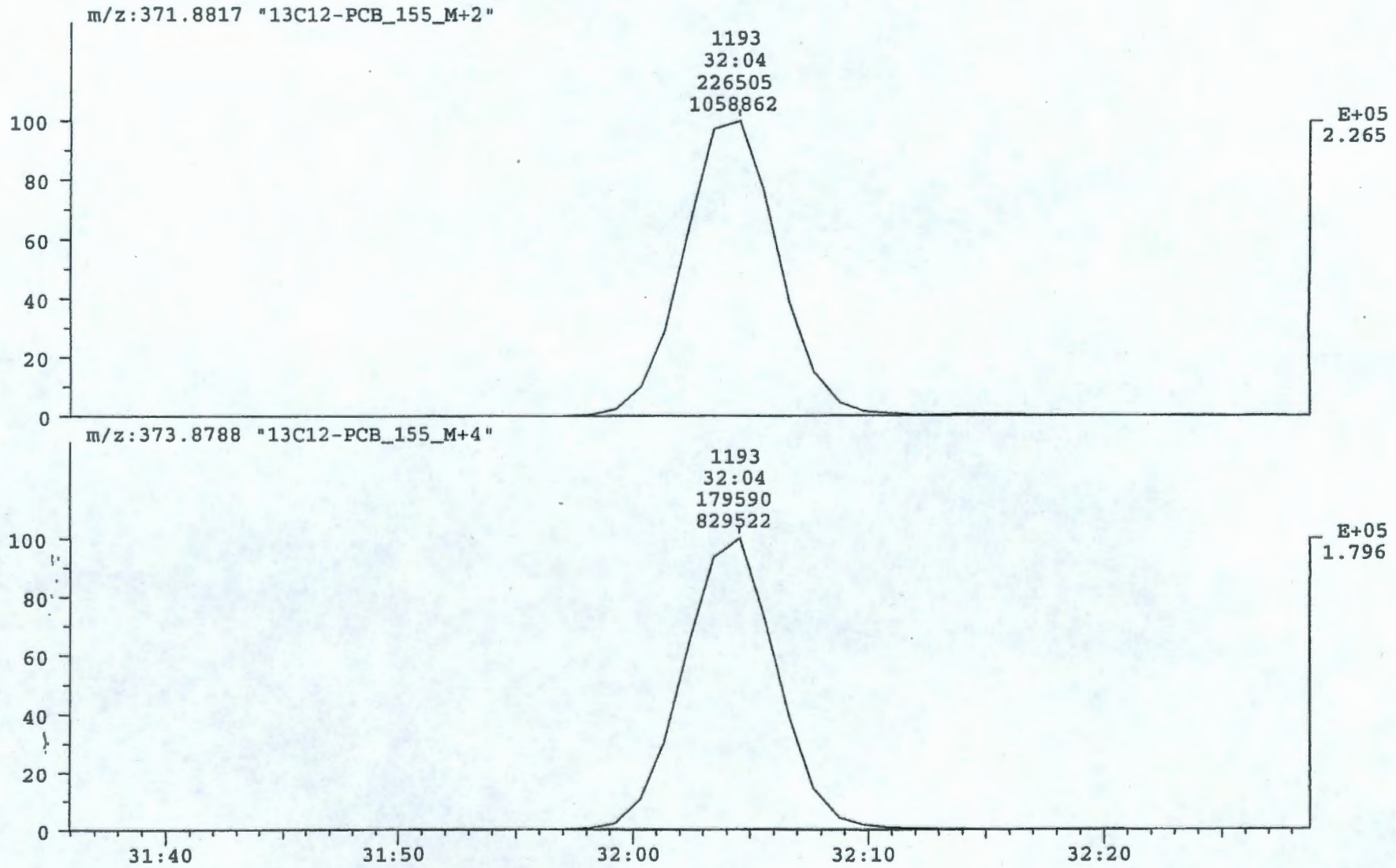
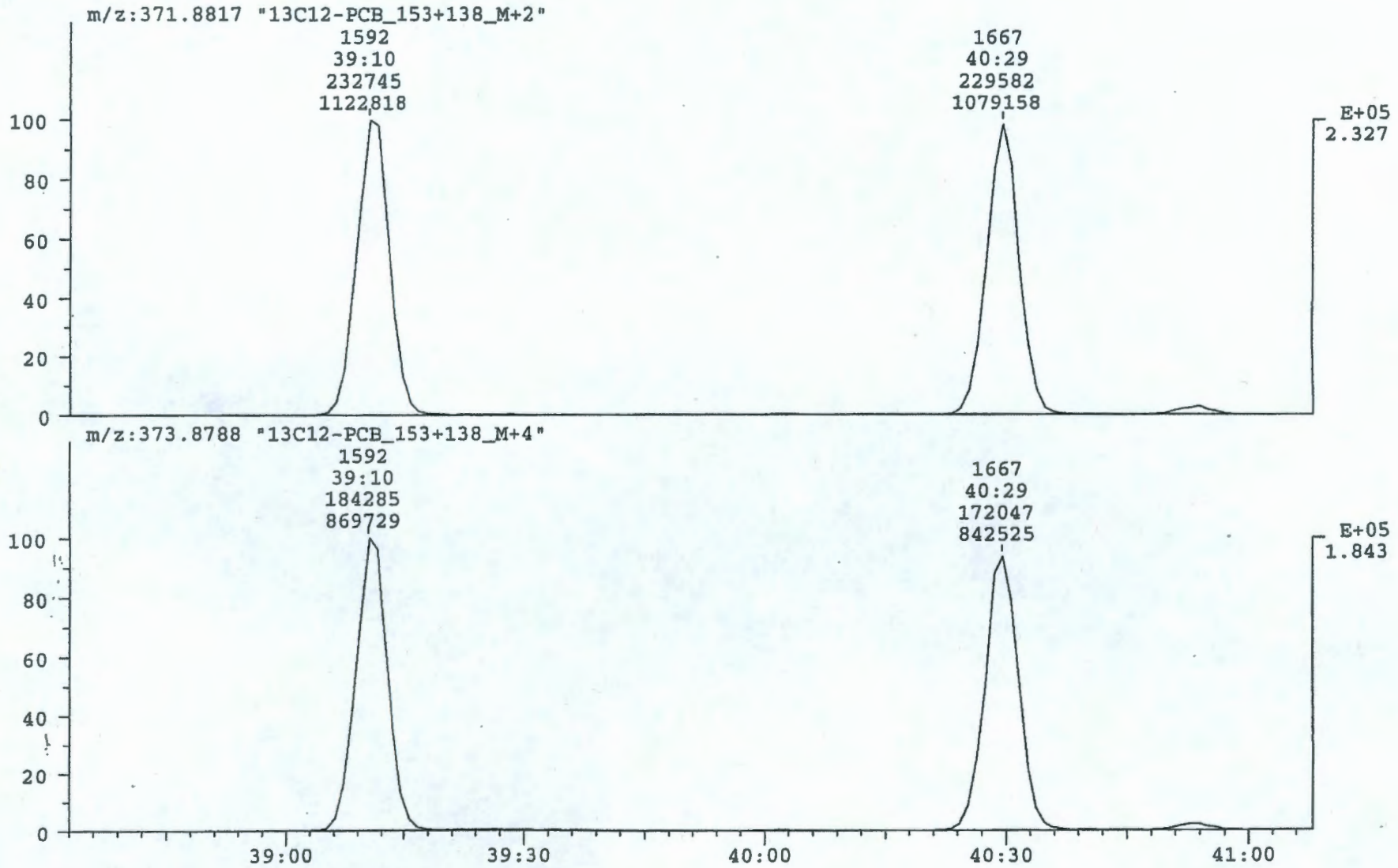


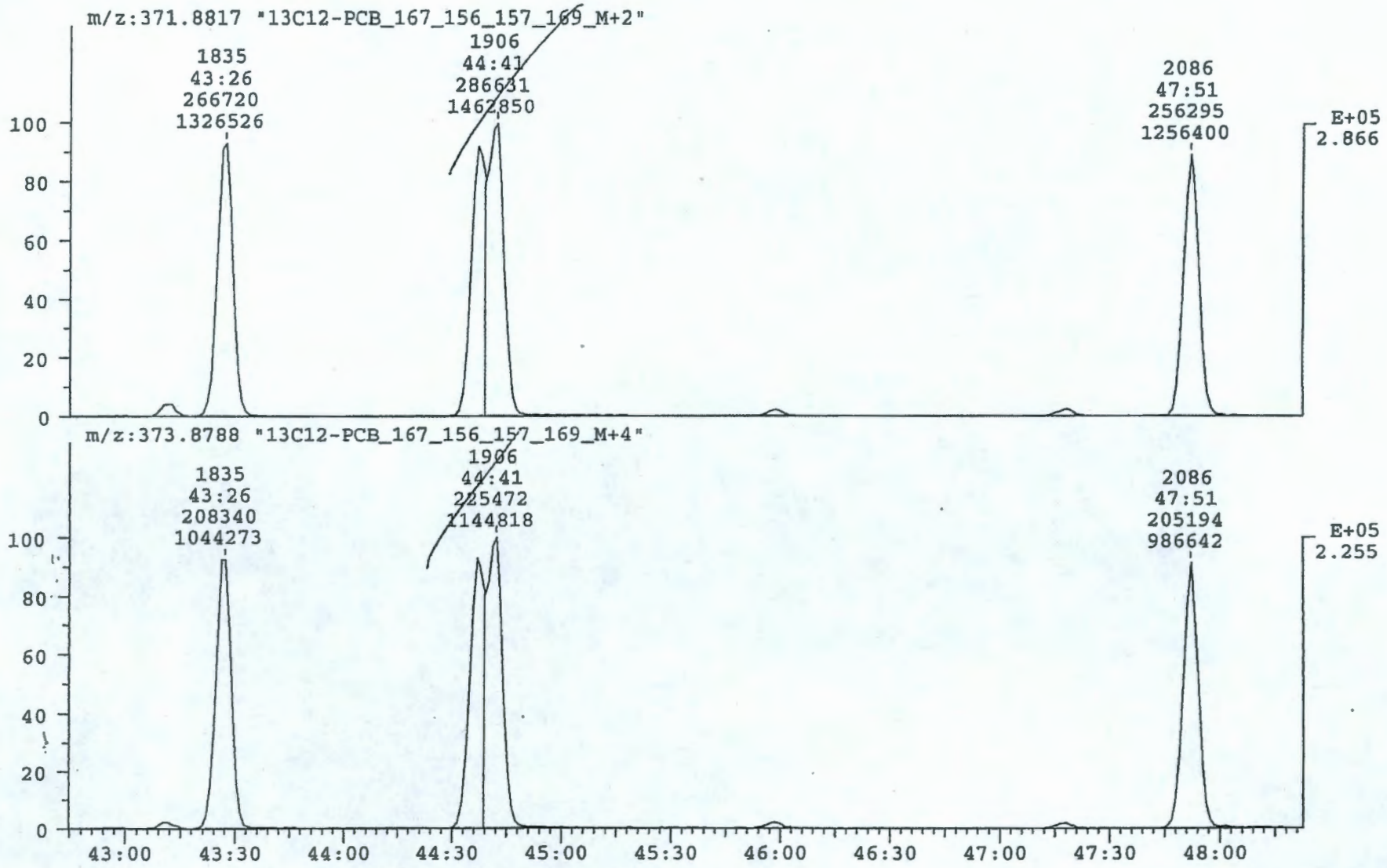
```
CHRO:  a07030721                                07-Mar-07  Elapse:  32:02      1191
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  18:05:25   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
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
```



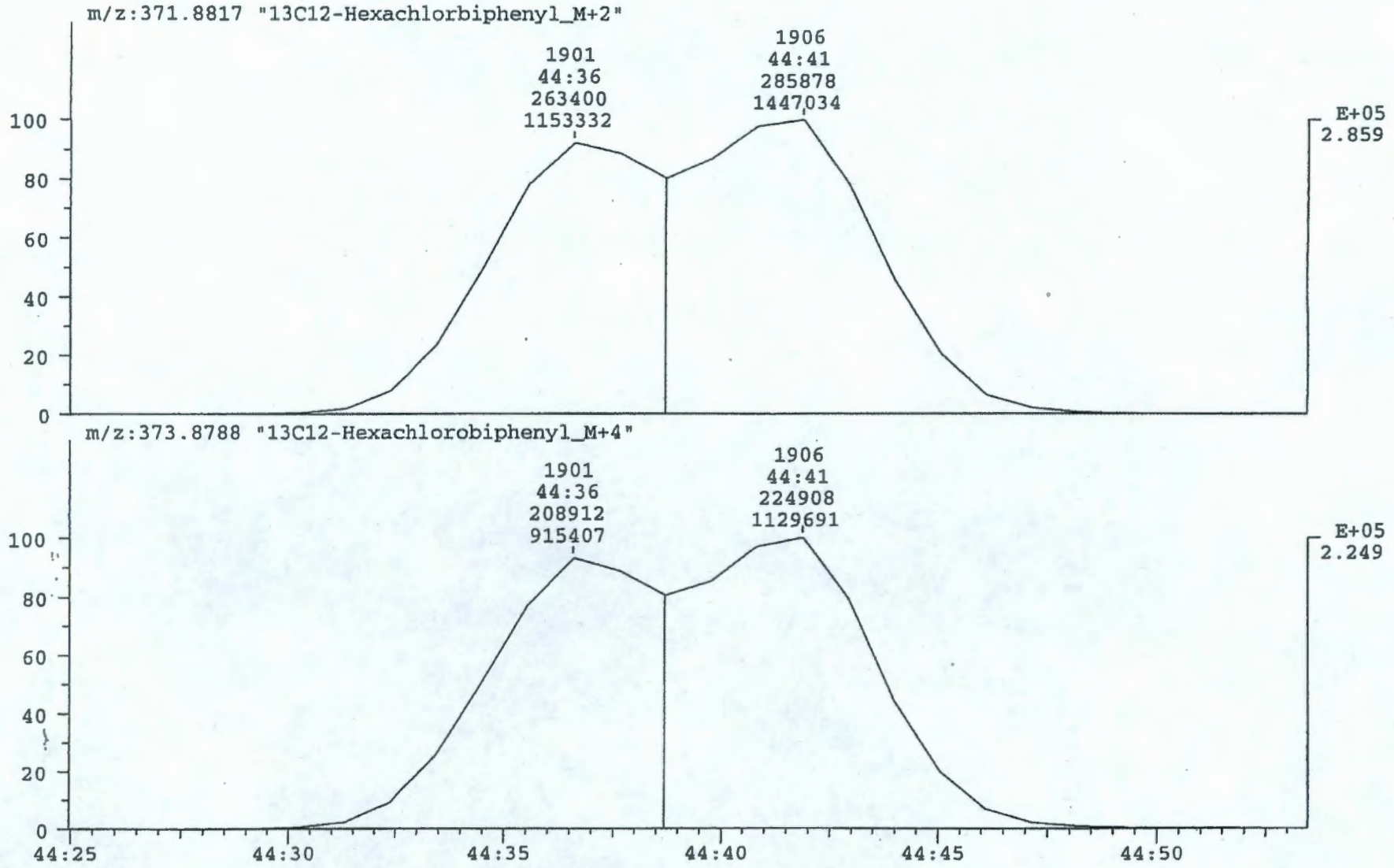
```
CHRO:  a07030721                                07-Mar-07  Elapse:  39:50      1630
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  18:05:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
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
```



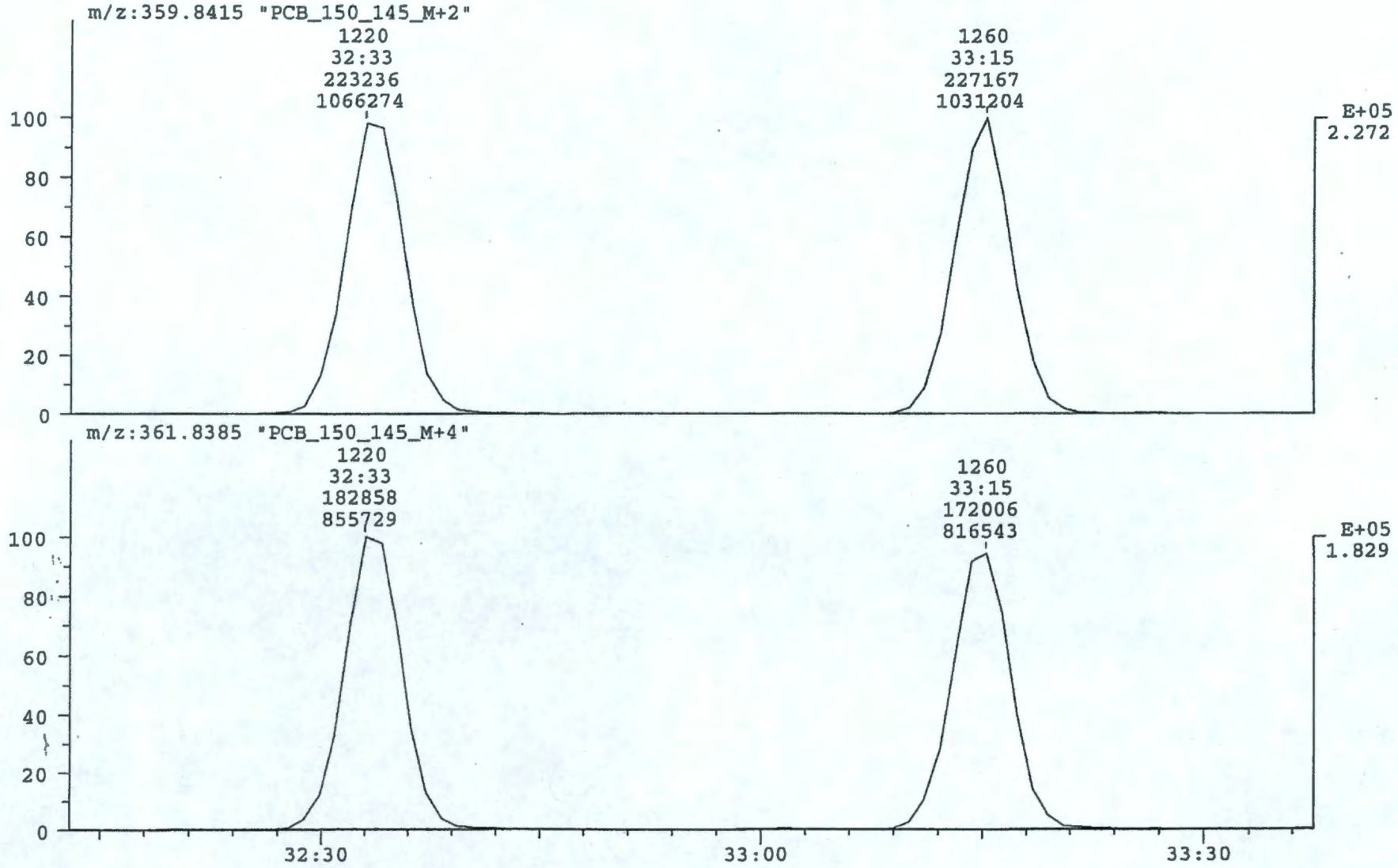
```
CHRO:  a07030721                                07-Mar-07   Elapse:  45:38      1960
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  4
Peak:  100.00  ppm      Label wndw:   1795 > 2115           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



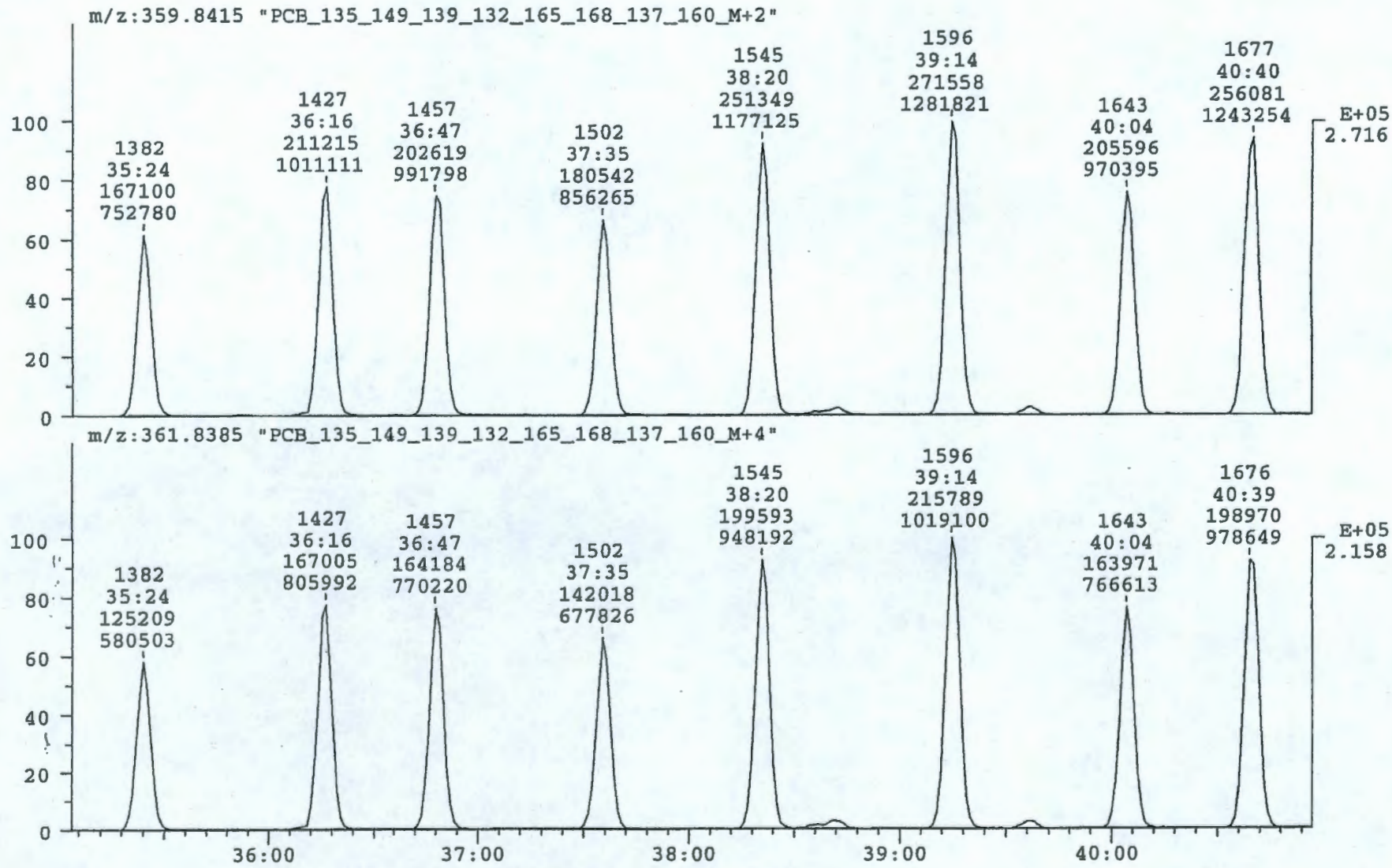
```
CHRO:  a07030721                                07-Mar-07  Elapse:  56:11      2555
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  18:05:25   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1890 > 1917         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



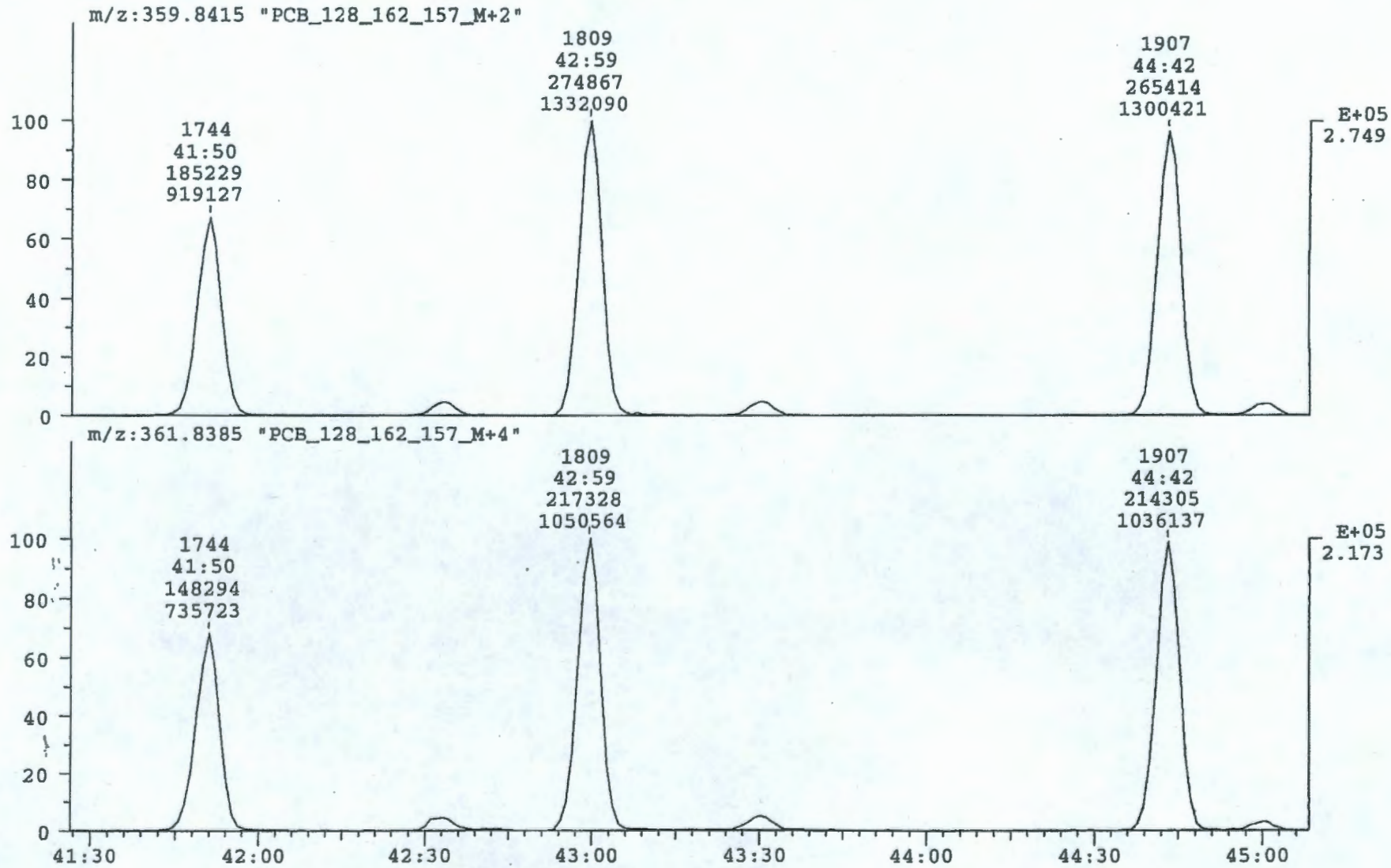
```
CHRO:  a07030721                                07-Mar-07   Elapse:  32:55      1241
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  4
Peak:  100.00  ppm      Label wndw:   1201 > 1281           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



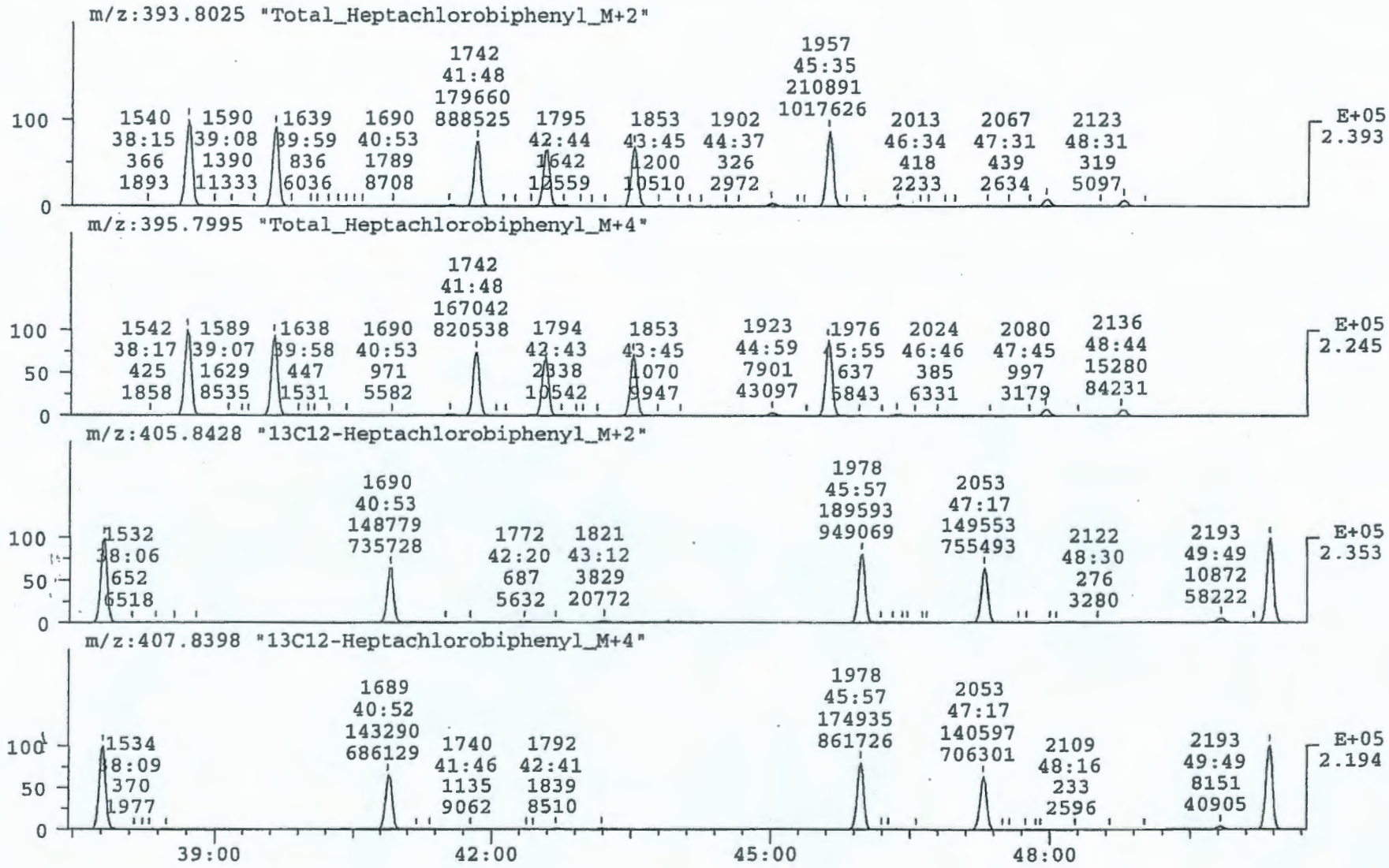
CHRO: a07030721 07-Mar-07 Elapse: 38:02 1528
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1363 > 1693 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



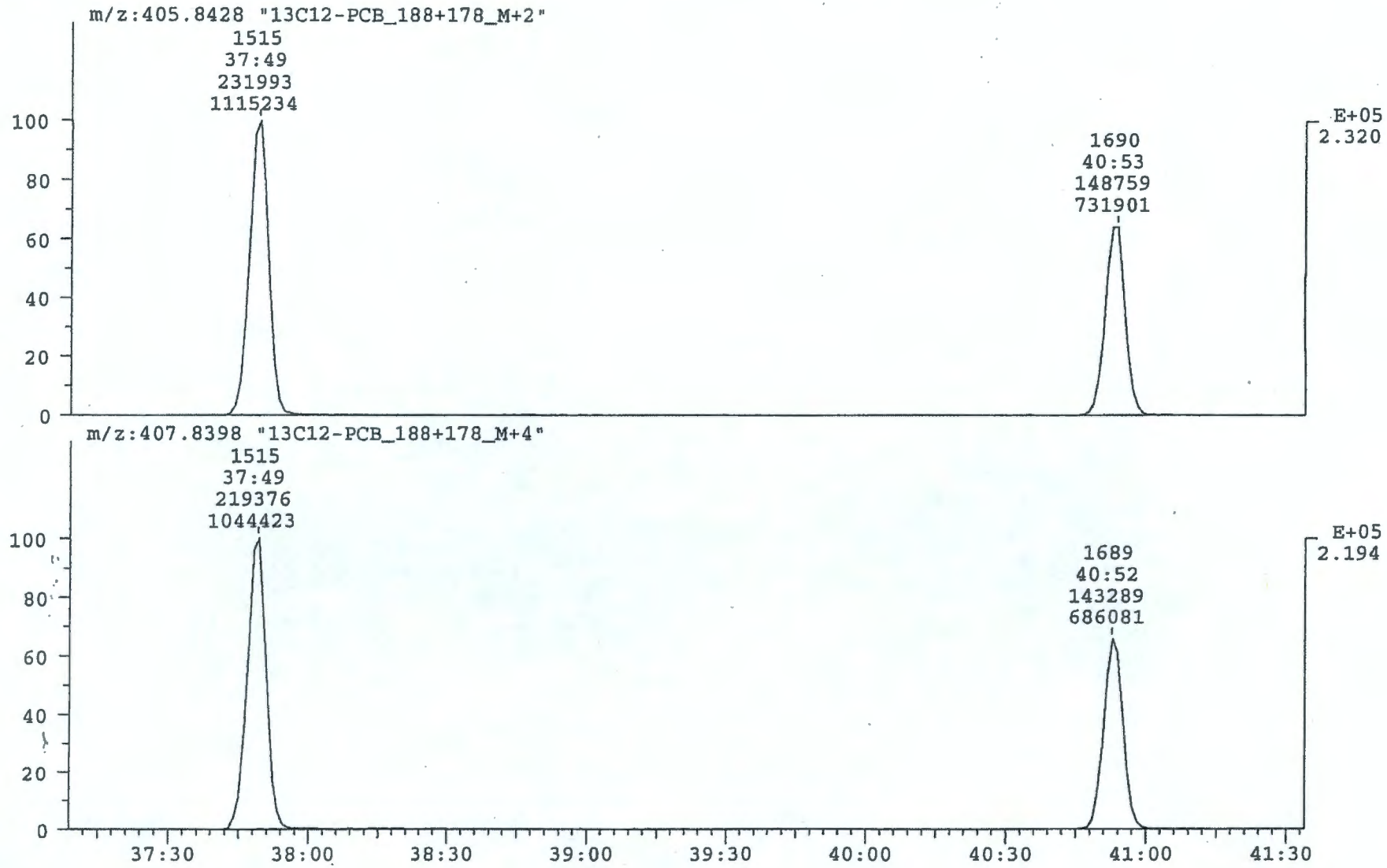
```
CHRO:  a07030721                                07-Mar-07  Elapse:  43:17      1826
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  18:05:25   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1721 > 1931         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



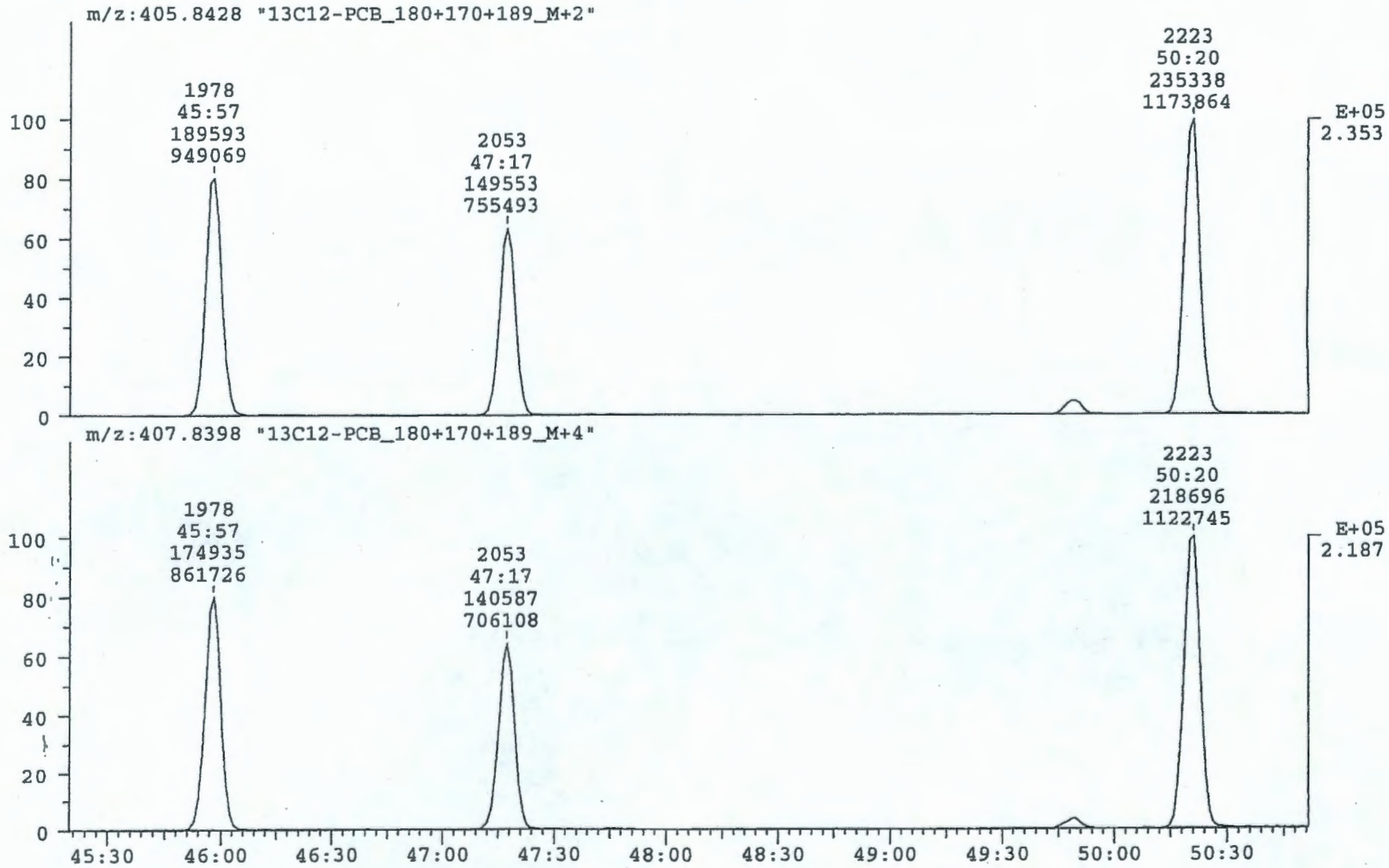
CHRO: a07030721 07-Mar-07 Elapse: 44:06 1872
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1494 > 2246 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



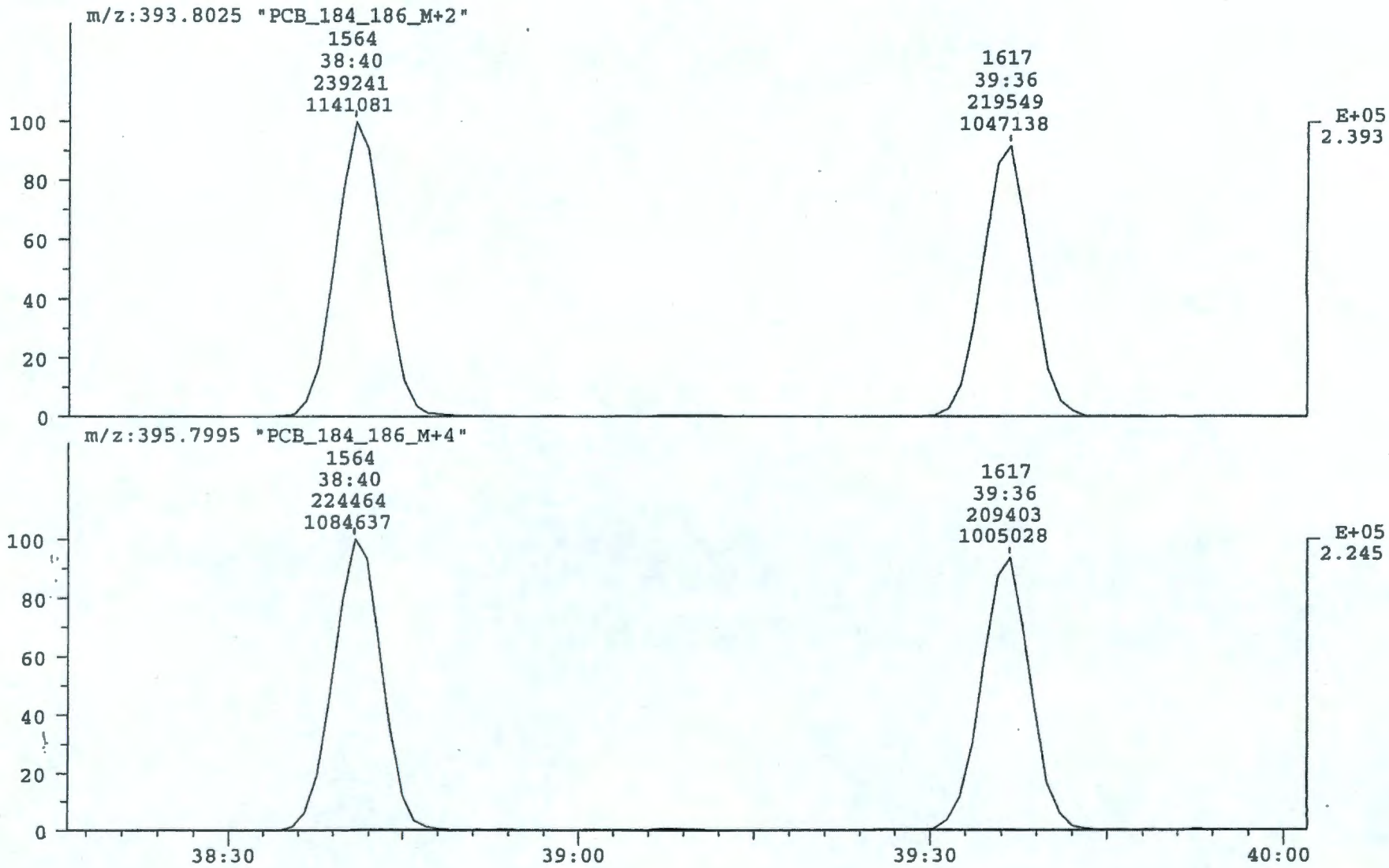
```
CHRO:  a07030721                                07-Mar-07   Elapse:  39:20      1602
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1477 > 1728           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



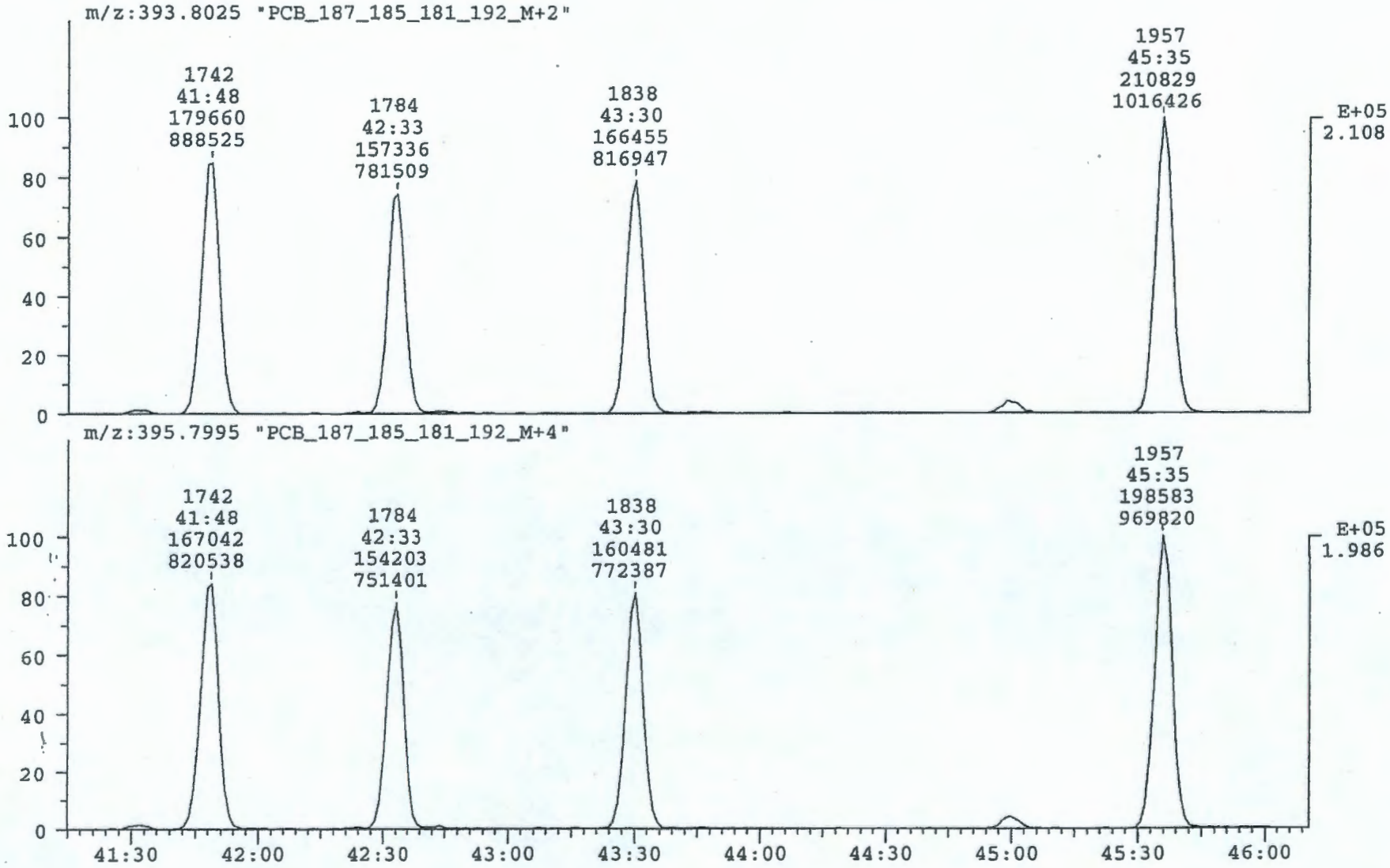
```
CHRO:  a07030721                                07-Mar-07   Elapse:  48:08      2102
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  4
Peak:  100.00  ppm      Label wndw:   1942 > 2252           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



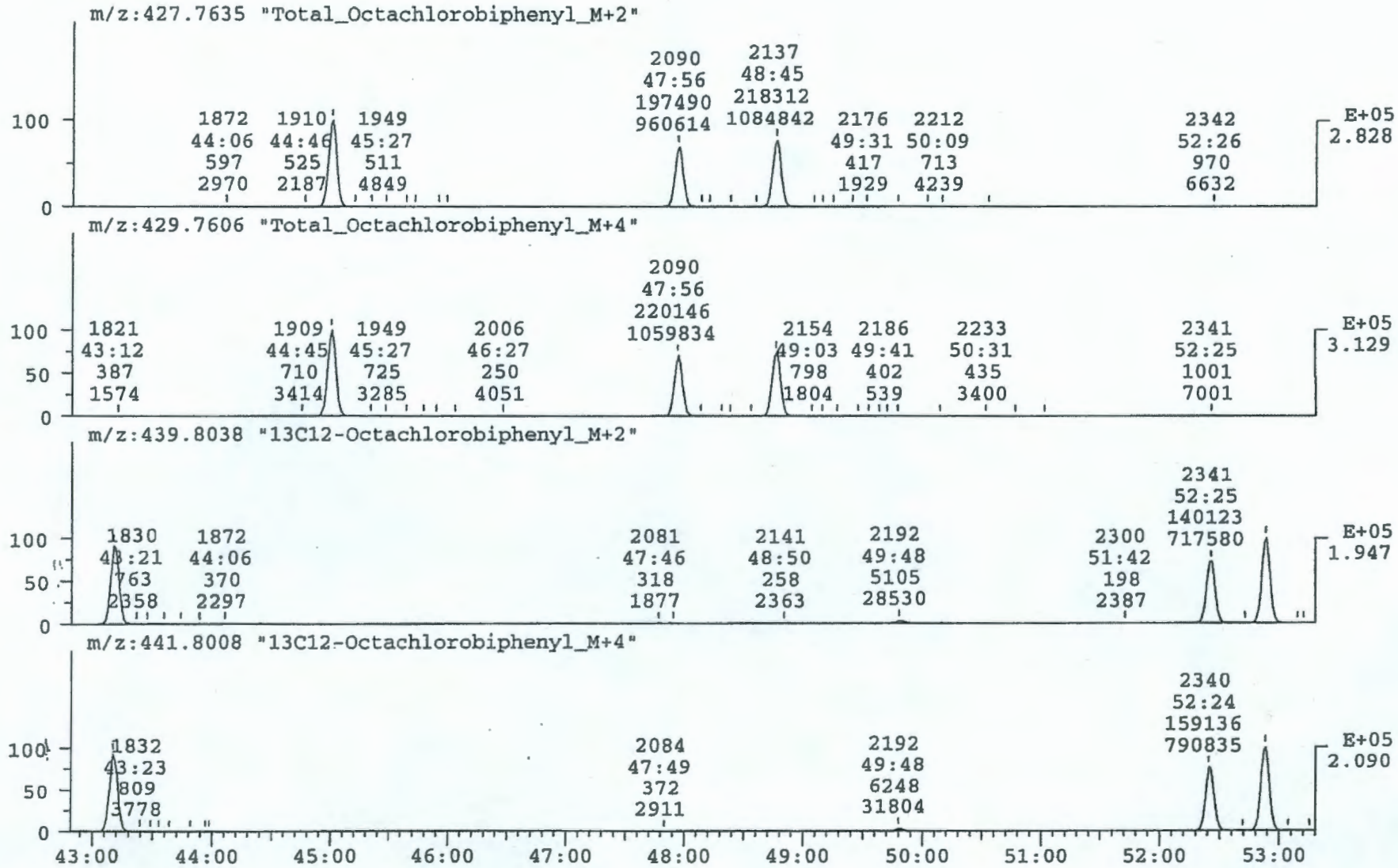
```
CHRO:  a07030721                                07-Mar-07   Elapse:  39:09      1591
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  18:05:25   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  4
Peak:  100.00  ppm      Label wndw:   1541 > 1641           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



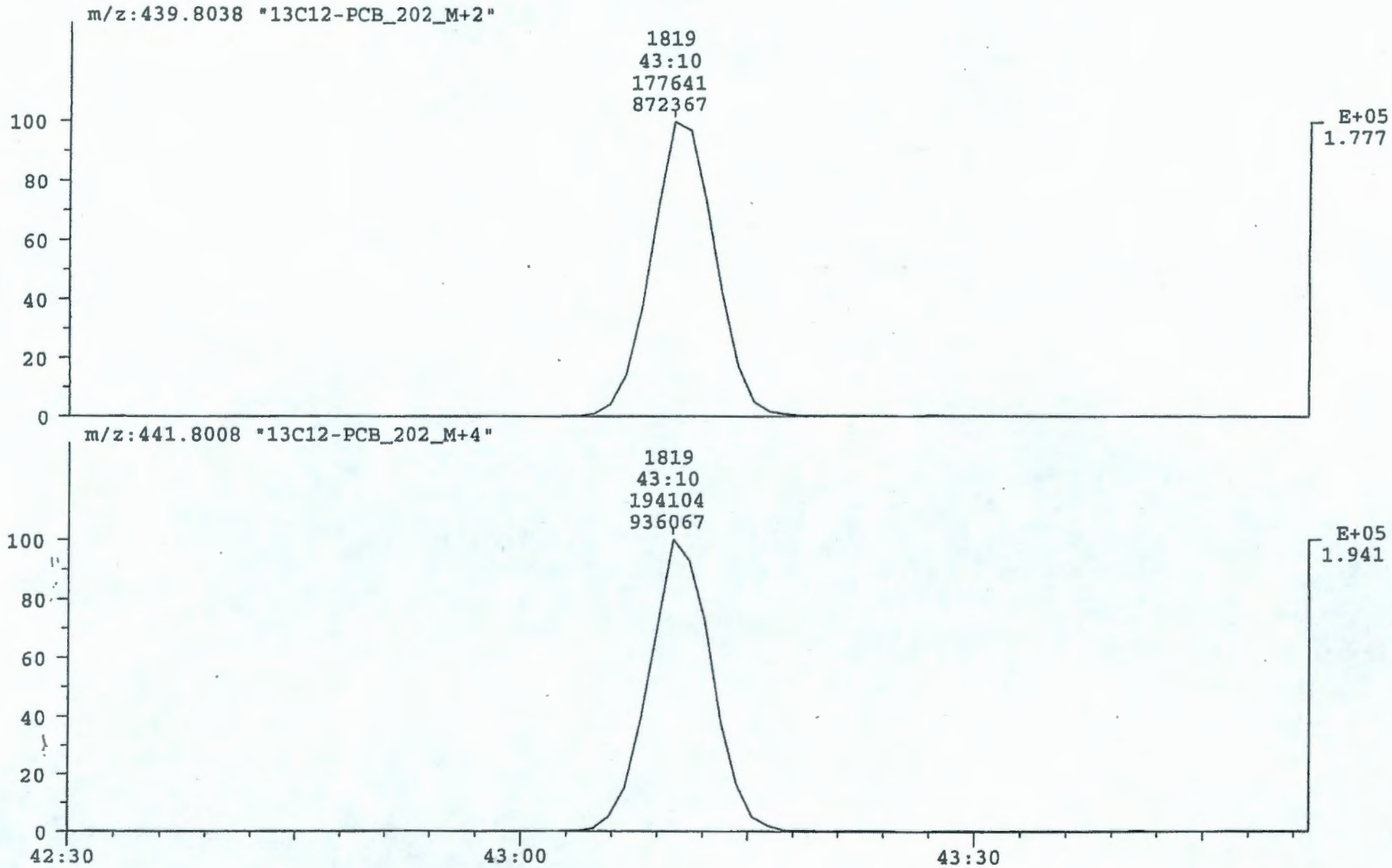
CHRO: a07030721 07-Mar-07 Elapse: 43:42 1850
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1710 > 1990 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



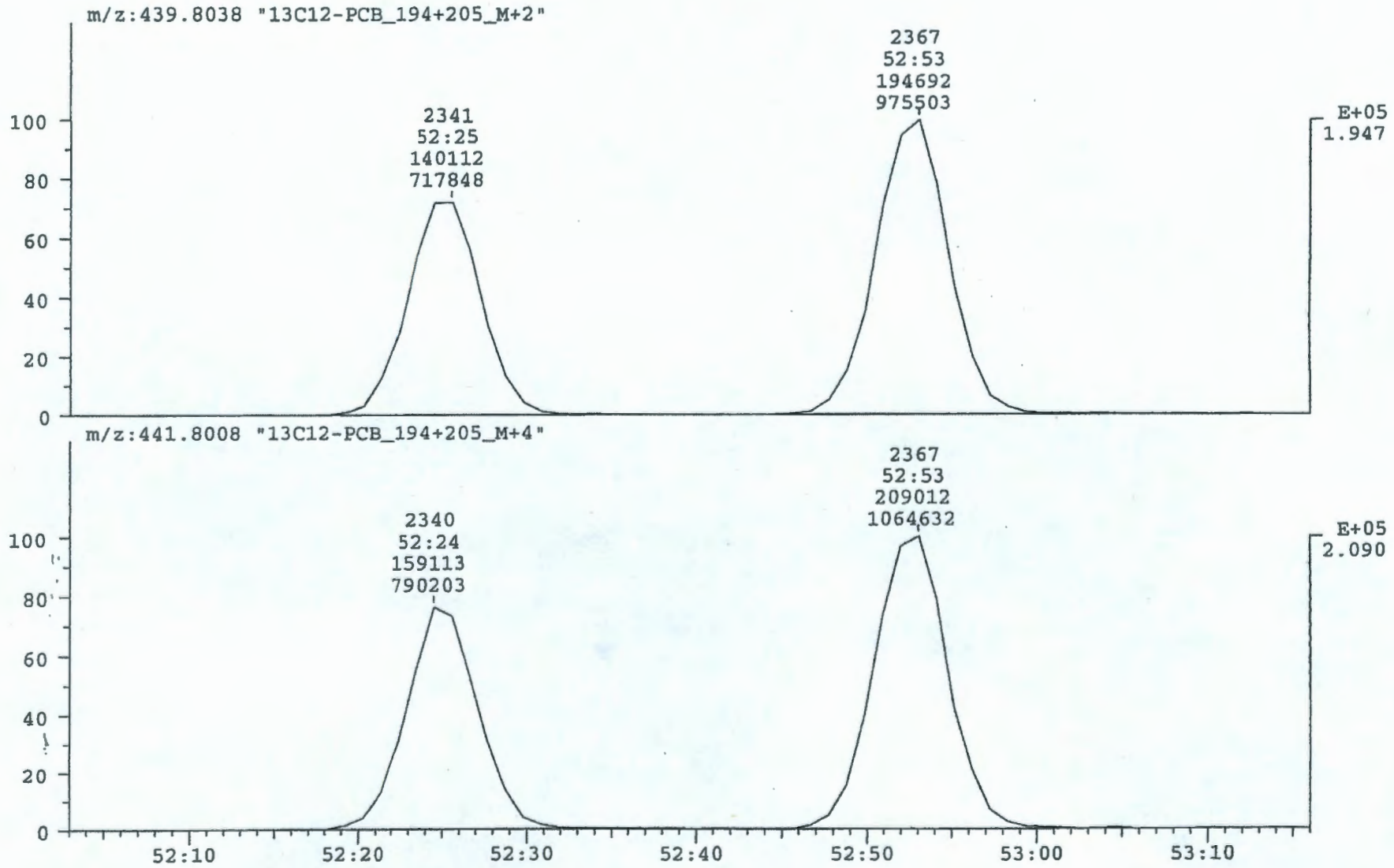
```
CHRO:  a07030721                                07-Mar-07  Elapse:  48:02      2096
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  18:05:25   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1799 > 2391         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



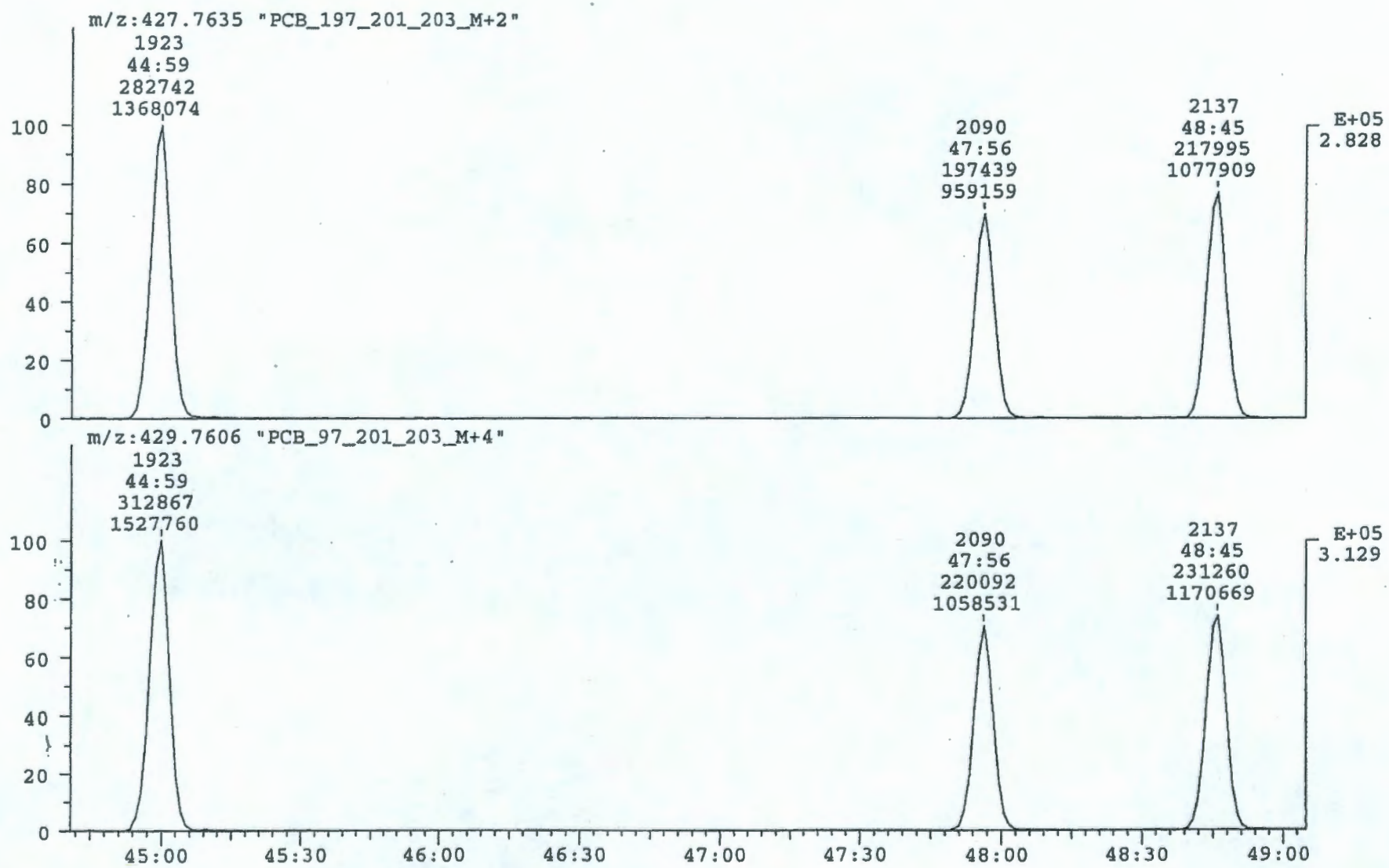
```
CHRO:  a07030721                                07-Mar-07  Elapse:  43:07      1817
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  18:05:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  4
Peak:  100.00  ppm      Label wndw:   1781 > 1859         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



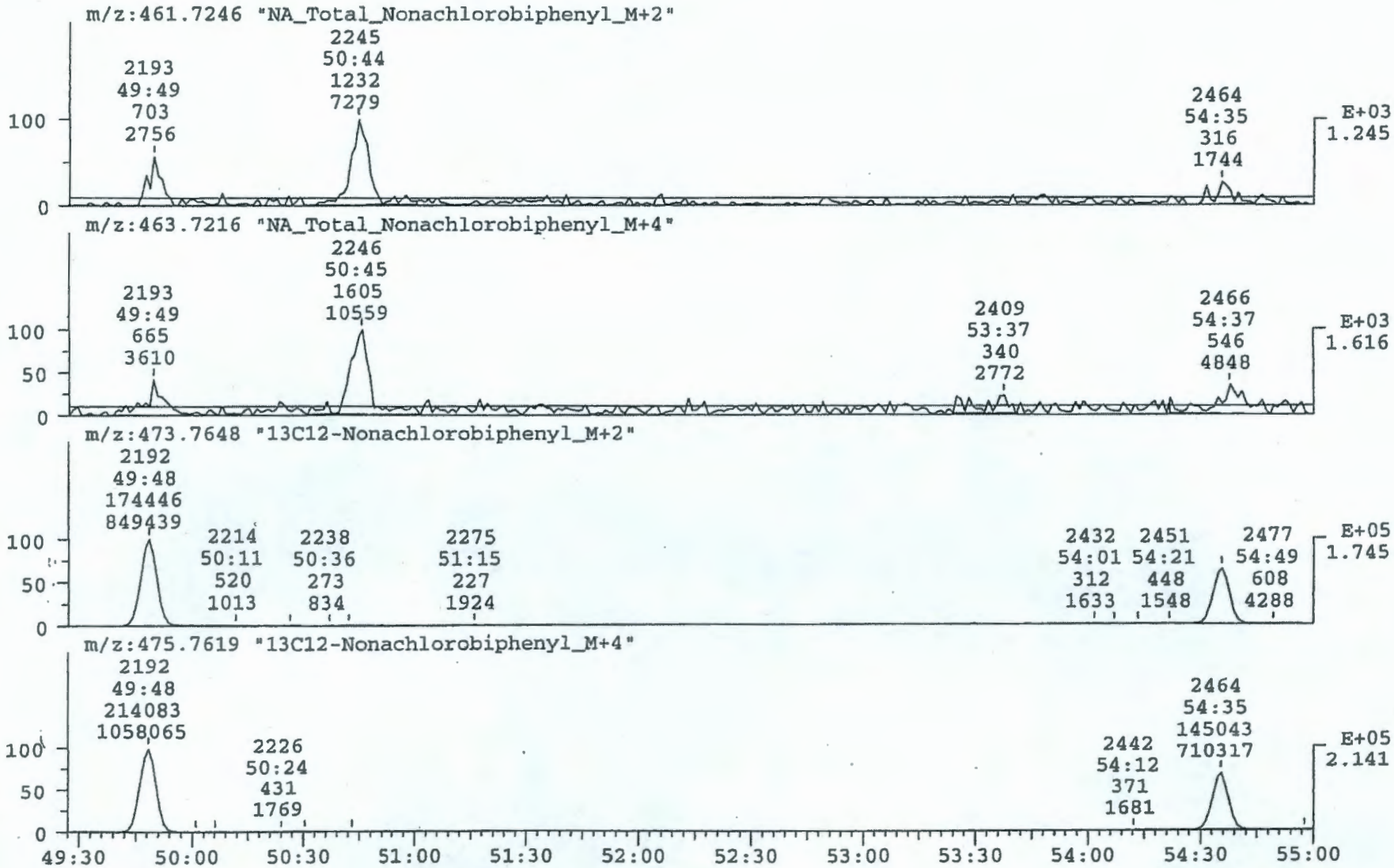
```
CHRO:  a07030721                                07-Mar-07  Elapse:  52:39      2354
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  18:05:25   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
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
```



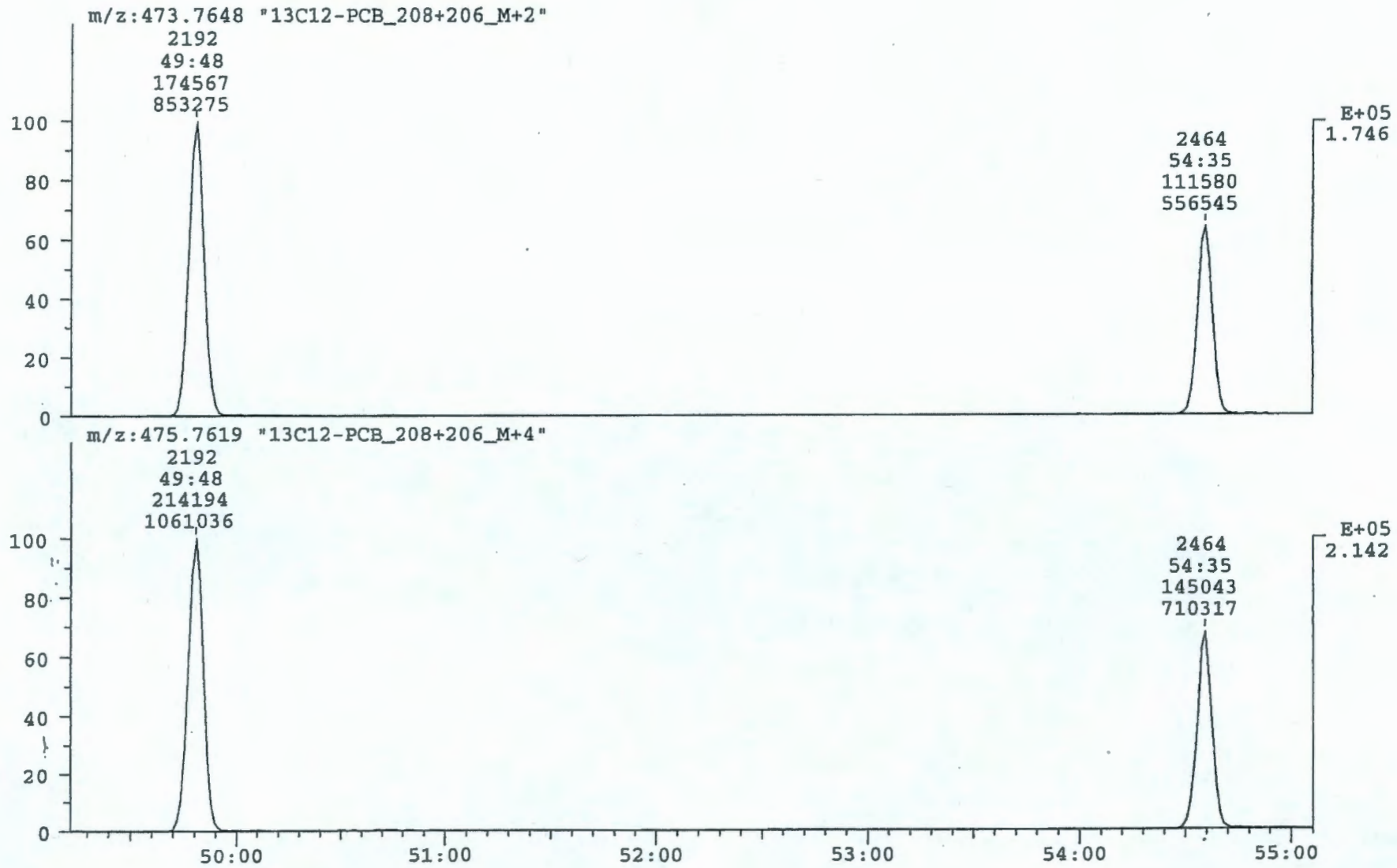
CHRO: a07030721 07-Mar-07 Elapse: 46:52 2030
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1905 > 2155 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



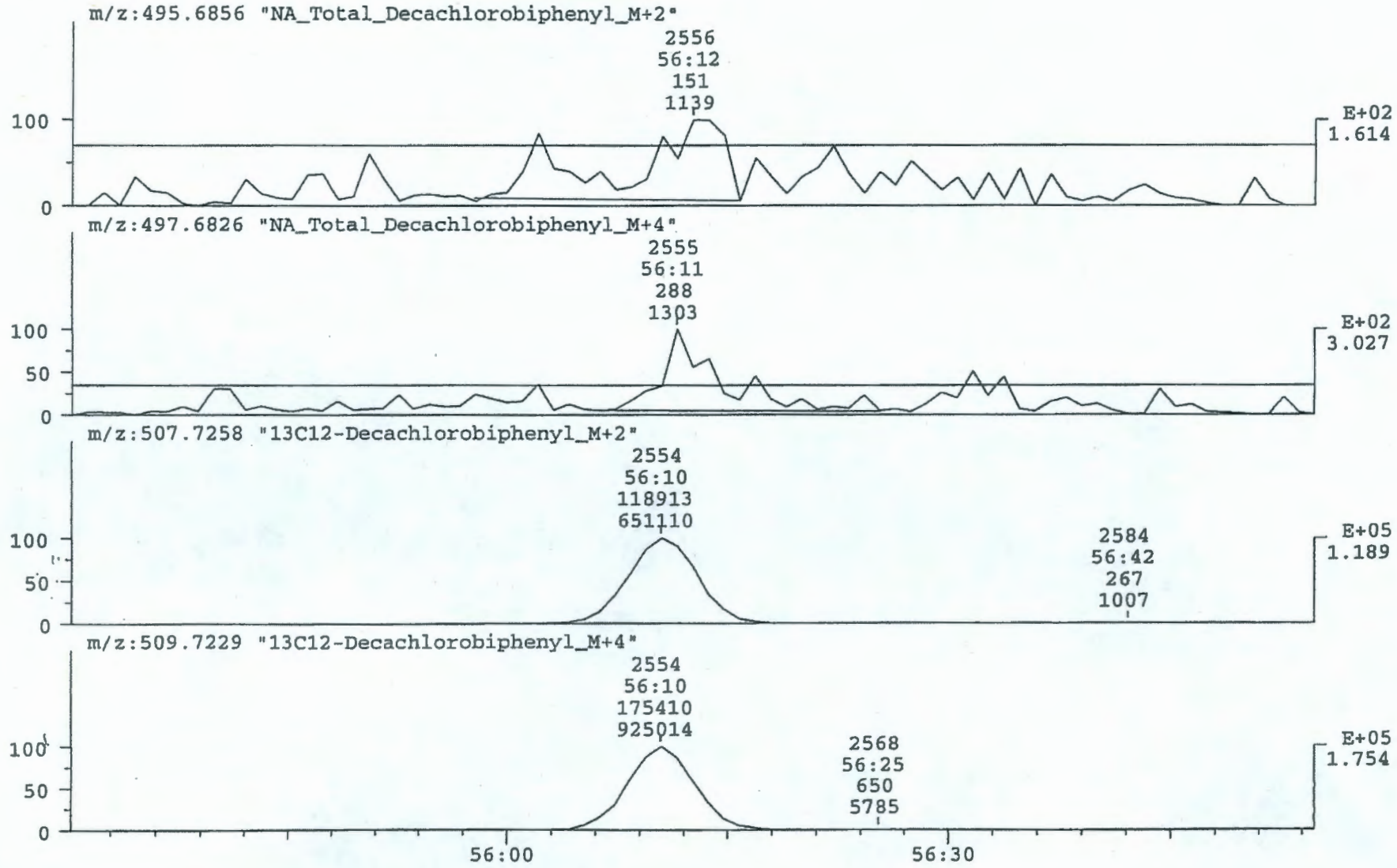
CHRO: a07030721 07-Mar-07 Elapse: 52:12 2329
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 2172 > 2487 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  a07030721                                07-Mar-07  Elapse:  52:11      2328
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  18:05:25   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   2163 > 2493         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



CHRO: a07030721 07-Mar-07 Elapse: 56:12 2556
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 18:05:25 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 2516 > 2596 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
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: a07030721
Study: 1668 RT Mix2/Run1
Sample: WO=2990:75Mix2 Meth=IE3 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: STL Knoxville
Comments: Inst=m1d/137819-2 Batch=20070307s1 Ccal=20050801i
Injected volume: 2.00
Sample from Vial 4
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 2 of list 070307
ICL procedure: sleep7x
MID procedure: epa1668n

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 | 22:01 min | 14:03 min | 36:04 min | 1.00 sec |
| # 3 | 36:05 min | 13:10 min | 49:15 min | 1.00 sec |
| # 4 | 49:16 min | 7:44 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 : epa1668n

| | | | |
|---|---|---|---|
| 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 | 1032.2528 |
| 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 | -18.7750 |
| DRAWC | 1.0000 | DRAWS | 0.0050 | ECORR | 0.9999 |
| ECURR | 1.0000 | EDAC | 7969177.0000 | EDACG | 0.9999 |
| EDACR | 23.0000 | EDACZ | 1160.0000 | ELEN | 67.4250 |
| EMULT | 1.5500 | ENS | 180.0000 | ERATIO | 1.0000 |
| ESA | 763.8000 | ESICUR | 10.0011 | ESIPAR | 0.0000 |
| EXS | 144.0000 | FDMA | 18000000.0000 | FLENS | 1.0000 |
| FM | 20.0000 | FMII | 50.0000 | FQUAD | 0.0000 |
| FREQ | 300.4808 | FSLOPE | 54000000.0000 | FVANAL | 258.0000 |
| FVINLET | 255.0000 | FVSRC | 826.0000 | FWIN | 0.7000 |
| GCTC | 200.0000 | GCTI | 270.0000 | GCTL | 280.0000 |
| HACCU | 208.0000 | HCURR | 1.5686 | HVANAL | 1322.0000 |
| HVSRC | 0.0000 | ICAL0 | 0.0011 | ICAL1 | 0.4030 |
| ICAL2 | 0.5865 | IONEN | 4774.1100 | IST | 271.3713 |
| ISTC | 0.0000 | ISTCKP | 5.0000 | ISTCTD | 1.0000 |
| ISTCTN | 2.0000 | ISTCTS | 60.0000 | ISTCTV | 3.0000 |
| ISTS | 270.0000 | LENS | 1800.0000 | LENSS | 21.0000 |
| LKM | 404.9760 | LM | 800.0000 | LMASS | 180.4888 |
| LMII | 500.0000 | MASS | 180.4888 | MDAC | 2346712.5794 |

| | | | | | |
|---|---|---|---|---|---|
| MDACR | 23.0000 | MRANGE | 1032.2528 | 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 | -10.0000 |
| RDRAW | 0.0000 | RDRAWC | 0.0000 | RECURR | 0.0000 |
| RELEN | 0.0000 | RES | 10314.6723 | RFAMP | 799.9987 |
| RFCUR | 100.0110 | RPUSHER | 0.0000 | RWIN | 2.0000 |
| SACCU | 3.0000 | SCIDLE | 1.0000 | SHIELD | 2918.0000 |
| SHIELDS | 0.0000 | SHIGH | 180.0000 | SKIM | 7.0000 |
| SLOW | 60.0000 | SPRAY | 8.0000 | SS | 3.0000 |
| SW | 0.0500 | TANAL | 420.8500 | TCURR | 0.6641 |
| 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 | 2.1750 | USERVAR | 0.0000 | VAPTEMP | 599.9997 |
| VAPTSET | 400.0000 | VMASS | 180.4888 | XLENS | 2000.0000 |
| XLENSS | -34.8000 | YLENS | 2600.0000 | YLENSS | -24.8000 |

Scantype is electric
Sourcemode is EI POS

Analysis started at: 07-Mar-07 18:05:25.1

Autosampler has injected sample from vial 4
MID Time Window 1: Resolution is 9049
MID Time Window 2: Resolution is 7911
MID Time Window 3: Resolution is 10086
MID Time Window 4: Resolution is 9203
Analysis stopped at: 07-Mar-07 19:02:28.3 (run time 57.03 minutes)
Analysis stopped because MID run finished

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# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX2 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030722. | Prep Date | | SDG No | |
| Analysis ID | 96243 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 23:13 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | | | | | 188.0393 | 190.0363 | 188.0393 | 190.0363 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 200 | | | | | 200.0795 | 202.0766 | 200.0795 | 202.0766 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 248 | 275 | 99 | 110 | 0.90 * | / | |
| | 13C12-PCB 1 | 12:12 | 00:00 | 0 | 2364346 | 728809 | 884507 | 279709 | 3.24 | AVV/AVV | |
| | 13C12-PCB 3 | 14:25 | 00:00 | 0 | 2336889 | 731116 | 758637 | 243237 | 3.20 | AVV/AVV | |
| 222 | | | | | 222.0003 | 223.9974 | 222.0003 | 223.9974 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 273 | 438 | 109 | 175 | 0.62 * | / | |
| | PCB 7 (BZ) | 16:51 | 00:00 | 0 | 896981 | 566581 | 261296 | 164369 | 1.58 | AVV/AVV | D |
| | PCB 5 (BZ) | 17:27 | 00:00 | 0 | 839955 | 546974 | 241744 | 155892 | 1.54 | AVV/AVV | |
| | PCB 12 (BZ) | 20:23 | 00:00 | 0 | 839449 | 550055 | 211004 | 136443 | 1.53 | ABV/AVV | M |
| 234 | | | | | 234.0406 | 236.0376 | 234.0406 | 236.0376 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 360 | 203 | 144 | 81 | 1.78 | / | |
| | 13C12-PCB 4 | 14:43 | 00:00 | 0 | 979071 | 605288 | 328871 | 203909 | 1.62 | AVV/AVV | |
| | 13C12-PCB 9 | 16:41 | 00:00 | 0 | 1702222 | 1061561 | 518319 | 324030 | 1.60 | ABV/ABV | |
| | 13C12-PCB 8 | 17:33 | 00:00 | 0 | 1800555 | 1126226 | 514271 | 311959 | 1.60 | AVV/AVV | |
| | 13C12-PCB 15 | 20:41 | 00:00 | 0 | 1717231 | 1063736 | 441103 | 278298 | 1.61 | ABV/ABV | |
| 256 | | | | | 255.9613 | 257.9584 | 255.9613 | 257.9584 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 175 | 168 | 70 | 67 | 1.04 | / | |
| | PCB 18 (BZ) | 19:46 | 00:00 | 0 | 367868 | 340579 | 95726 | 90569 | 1.08 | AVV/ABV | |
| | PCB 24 (BZ) | 20:32 | 00:00 | 0 | 530463 | 496980 | 136672 | 130890 | 1.07 | AVV/AVV | |
| | PCB 23 (BZ) | 22:32 | 00:00 | 0 | 746830 | 733826 | 178590 | 175153 | 1.02 | AVV/ABV | |
| | PCB 28 (BZ) | 23:43 | 00:00 | 0 | 807160 | 791583 | 187463 | 188629 | 1.02 | ABV/ABV | D |
| | PCB 22 (BZ) | 24:25 | 00:00 | 0 | 779126 | 745669 | 180327 | 171307 | 1.04 | AVV/AVV | D |
| | PCB 39 (BZ) | 26:17 | 00:00 | 0 | 868126 | 848429 | 188858 | 190154 | 1.02 | ABV/ABV | D |
| 268 | | | | | 268.0016 | 269.9986 | 268.0016 | 269.9986 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 640 | 278 | 256 | 111 | 2.31 * | / | |
| | 13C12-PCB 19 | 17:54 | 00:00 | 0 | 603178 | 564841 | 164302 | 152782 | 1.07 | AVV/AVV | |
| | 13C12-PCB 32 | 21:10 | 00:00 | 0 | 1106270 | 1026848 | 280605 | 257727 | 1.08 | AVV/AVV | |
| | 13C12-PCB 31 | 23:25 | 00:00 | 0 | 1639893 | 1582966 | 405081 | 394998 | 1.04 | ABV/ABV | |
| | 13C12-PCB 28 | 23:42 | 00:00 | 0 | 1556607 | 1480429 | 371696 | 359773 | 1.05 | AVV/AVV | |
| | 13C12-PCB 37 | 27:47 | 00:00 | 0 | 1435997 | 1337386 | 326690 | 303169 | 1.07 | ABV/ABV | |
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 183 | 415 | 73 | 166 | 0.44 * | / | |
| | PCB 53 (BZ) | 23:12 | 00:00 | 0 | 797666 | 1011943 | 194285 | 250855 | 0.79 | ABV/ABV | M |
| | PCB 51 (BZ) | 23:56 | 00:00 | 0 | 806715 | 1025119 | 188519 | 238743 | 0.79 | ABV/ABB | M |
| | PCB 73 (BZ) | 25:42 | 00:00 | 0 | 1051749 | 1331271 | 249020 | 306722 | 0.79 | ABV/ABV | |
| | PCB 48 (BZ) | 26:20 | 00:00 | 0 | 802539 | 1025257 | 181716 | 237882 | 0.78 | AVV/AVV | |
| | PCB 62 (BZ) | 26:49 | 00:00 | 0 | 1012751 | 1295226 | 229233 | 299728 | 0.78 | AVV/AVV | |
| | PCB 71 (BZ) | 27:38 | 00:00 | 0 | 1110854 | 1427265 | 253127 | 326838 | 0.78 | ABV/ABV | D |
| | PCB 68 (BZ) | 28:53 | 00:00 | 0 | 1125928 | 1446829 | 247908 | 325639 | 0.78 | ABV/ABV | D |
| | PCB 58 (BZ) | 29:36 | 00:00 | 0 | 1151608 | 1435819 | 251361 | 316255 | 0.80 | AVV/AVV | D |
| | PCB 61 (BZ) | 30:14 | 00:00 | 0 | 1023780 | 1303949 | 230926 | 295662 | 0.79 | AVV/AVV | D |
| | PCB 55 (BZ) | 30:54 | 00:00 | 0 | 1073890 | 1349414 | 230800 | 293589 | 0.80 | ABV/AVV | D |

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

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# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX2 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030722. | Prep Date | | SDG No | |
| Analysis ID | 96243 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 23:13 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | PCB 60 (BZ) | 31:37 | 00:00 | 0 | 1095796 | 1405306 | 242063 | 309441 | 0.78 | AVV/AVV | D |
| 302 | | | | | 301.9626 | 303.9597 | 301.9626 | 303.9597 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 140 | 130 | 56 | 52 | 1.08 * | / | |
| | 13C12-PCB 54 | 21:02 | 00:00 | 0 | 518604 | 653665 | 133944 | 160435 | 0.79 | ABV/ABV | |
| | 13C12-PCB 52 | 25:34 | 00:00 | 0 | 760388 | 977989 | 178345 | 226149 | 0.78 | ABV/ABV | |
| | 13C12-PCB 79 | 33:29 | 00:00 | 0 | 1128033 | 1430679 | 239989 | 301764 | 0.79 | ABV/ABV | |
| | 13C12-PCB 81 | 34:31 | 00:00 | 0 | 969573 | 1240747 | 200895 | 256047 | 0.78 | ABV/ABV | D |
| | 13C12-PCB 77 | 35:06 | 00:00 | 0 | 1034261 | 1273145 | 214135 | 266333 | 0.81 | ABV/ABB | D |
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 310 | 243 | 124 | 97 | 1.28 * | / | |
| | PCB 94 (BZ) | 29:04 | 00:00 | 0 | 817485 | 510155 | 181900 | 114913 | 1.60 | ABV/ABV | D |
| | PCB 100 (BZ) | 29:38 | 00:00 | 0 | 995105 | 619894 | 222500 | 140456 | 1.61 | AVV/AVV | |
| | PCB 91 (BZ) | 30:23 | 00:00 | 0 | 900850 | 555997 | 199414 | 122573 | 1.62 | AVV/AVV | D |
| | PCB 121 (BZ) | 31:21 | 00:00 | 0 | 1232056 | 782057 | 268092 | 168896 | 1.58 | ABV/ABV | D |
| | PCB 90 (BZ) | 32:22 | 00:00 | 0 | 873384 | 551773 | 195344 | 124937 | 1.58 | ABV/AVV | DM |
| | PCB 99 (BZ) | 32:57 | 00:00 | 0 | 1026465 | 646396 | 226061 | 139048 | 1.59 | AVV/ABV | DM |
| | PCB 109 (BZ)/108 (IUPAC | 33:26 | 00:00 | 0 | 1199633 | 763245 | 253850 | 163054 | 1.57 | AVV/AVV | D |
| | PCB 117 (BZ) | 34:07 | 00:00 | 0 | 1237920 | 773537 | 272465 | 169906 | 1.60 | ABV/ABV | D |
| | PCB 111 (BZ) | 35:02 | 00:00 | 0 | 1282170 | 806656 | 274317 | 173697 | 1.59 | ABB/AVB | D |
| | PCB 108 (BZ)/107 (IUPAC | 36:42 | 00:00 | 0 | 1438178 | 927088 | 289403 | 190376 | 1.55 | AVV/AVV | DM |
| | PCB 118 (BZ) | 37:23 | 00:00 | 0 | 1419634 | 905240 | 298338 | 190593 | 1.57 | AVV/AVV | |
| | PCB 114 (BZ) | 37:54 | 00:00 | 0 | 1430438 | 930042 | 303090 | 196637 | 1.54 | AVV/AVV | |
| 338 | | | | | 337.9207 | 339.9178 | 337.9207 | 339.9178 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 163 | 143 | 65 | 57 | 1.14 * | / | |
| | 13C12-PCB 104 | 26:29 | 00:00 | 0 | 1149963 | 710598 | 257200 | 163938 | 1.62 | ABV/ABV | D |
| | 13C12-PCB 95 | 29:30 | 00:00 | 0 | 894251 | 555798 | 202354 | 124161 | 1.61 | ABV/ABV | D |
| | 13C12-PCB 101 | 32:22 | 00:00 | 0 | 925870 | 570180 | 200841 | 127524 | 1.62 | ABV/ABV | |
| | 13C12-PCB 111 | 35:00 | 00:00 | 0 | 1202476 | 746841 | 254441 | 161208 | 1.61 | ABV/AVV | |
| | 13C12-PCB 123 | 37:02 | 00:00 | 0 | 1374883 | 857475 | 281863 | 176252 | 1.60 | ABV/ABV | D |
| | 13C12-PCB 118 | 37:21 | 00:00 | 0 | 1453369 | 899985 | 314471 | 192725 | 1.61 | AVV/AVV | D |
| | 13C12-PCB 114 | 37:53 | 00:00 | 0 | 1412913 | 876517 | 283562 | 183157 | 1.61 | ABV/AVV | D |
| | 13C12-PCB 105 | 38:36 | 00:00 | 0 | 1376385 | 850091 | 290922 | 178017 | 1.62 | ABV/ABV | D |
| | 13C12-PCB 127 | 39:58 | 00:00 | 0 | 1559960 | 955988 | 317912 | 195459 | 1.63 | ABV/ABV | |
| | 13C12-PCB 126 | 41:39 | 00:00 | 0 | 1474166 | 913705 | 299235 | 187982 | 1.61 | AVV/ABV | D |
| 360 | | | | | 359.8415 | 361.8385 | 359.8415 | 361.8385 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 315 | 238 | 126 | 95 | 1.33 | / | |
| | PCB 150 (BZ) | 32:32 | 00:00 | 0 | 985998 | 775249 | 214828 | 166031 | 1.27 | ABV/ABV | D |
| | PCB 145 (BZ) | 33:13 | 00:00 | 0 | 942765 | 732592 | 199935 | 153908 | 1.29 | ABV/ABV | D |
| | PCB 135 (BZ) | 35:23 | 00:00 | 0 | 675451 | 529894 | 144677 | 106550 | 1.27 | ABV/ABV | D |
| | PCB 149 (BZ) | 36:14 | 00:00 | 0 | 919431 | 740951 | 197189 | 157435 | 1.24 | AVV/ABV | DM |
| | PCB 139 (BZ) | 36:47 | 00:00 | 0 | 913693 | 727286 | 189644 | 151704 | 1.26 | AVV/AVV | D |
| | PCB 132 (BZ) | 37:34 | 00:00 | 0 | 790939 | 623635 | 160063 | 122322 | 1.27 | AVV/AVV | D |
| | PCB 165 (BZ) | 38:20 | 00:00 | 0 | 1102354 | 876506 | 230872 | 183691 | 1.26 | AVV/ABV | D |

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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX2 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030722. | Prep Date | | SDG No | |
| Analysis ID | 96243 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 23:13 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | | | | | 359.8415 | 361.8385 | 359.8415 | 361.8385 | 1.05-1.43 | | |
| | PCB 168 (BZ) | 39:14 | 00:00 | 0 | 1170761 | 936316 | 250037 | 196520 | 1.25 | ABV/ABV | DM |
| | PCB 137 (BZ) | 40:03 | 00:00 | 0 | 884073 | 710589 | 183468 | 143530 | 1.24 | ABV/AVV | D |
| | PCB 160 (BZ) | 40:38 | 00:00 | 0 | 1152781 | 910033 | 243625 | 187518 | 1.27 | AVV/ABV | M |
| | PCB 128 (BZ) | 41:49 | 00:00 | 0 | 847756 | 669970 | 163962 | 129512 | 1.27 | ABV/ABV | |
| | PCB 162 (BZ) | 42:57 | 00:00 | 0 | 1224261 | 980922 | 252059 | 203469 | 1.25 | AVV/AVV | |
| | PCB 157 (BZ) | 44:42 | 00:00 | 0 | 1208827 | 963648 | 248517 | 193478 | 1.25 | ABV/AVV | |
| 372 | | | | | 371.8817 | 373.8788 | 371.8817 | 373.8788 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 135 | 145 | 54 | 58 | 0.93 * | / | |
| | 13C12-PCB 155 | 32:02 | 00:00 | 0 | 952186 | 745919 | 210196 | 164755 | 1.28 | ABV/ABV | D |
| | 13C12-PCB 153 | 39:09 | 00:00 | 0 | 1013389 | 790574 | 214310 | 170057 | 1.28 | ABV/ABV | D |
| | 13C12-PCB 138 | 40:29 | 00:00 | 0 | 1001394 | 784029 | 204830 | 159230 | 1.28 | ABV/ABV | |
| | 13C12-PCB 167 | 43:25 | 00:00 | 0 | 1226450 | 948959 | 253989 | 199232 | 1.29 | AVV/AVV | |
| | 13C12-PCB 156 | 44:36 | 00:00 | 0 | 1157137 | 926062 | 245976 | 192466 | 1.25 | ABV/ABV | D |
| | 13C12-PCB 157 | 44:40 | 00:00 | 0 | 1216657 | 959101 | 267657 | 211130 | 1.27 | AVV/AVB | M |
| | 13C12-PCB 169 | 47:51 | 00:00 | 0 | 1163927 | 923803 | 228642 | 180253 | 1.26 | ABV/AVV | D |
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 268 | 180 | 107 | 72 | 1.49 * | / | |
| | PCB 184 (BZ) | 38:40 | 00:00 | 0 | 1024521 | 990791 | 214787 | 209072 | 1.03 | ABV/ABV | |
| | PCB 186 (BZ) | 39:35 | 00:00 | 0 | 964616 | 904843 | 193043 | 180780 | 1.07 | ABV/AVV | D |
| | PCB 187 (BZ) | 41:47 | 00:00 | 0 | 797400 | 757358 | 165038 | 159320 | 1.05 | ABV/AVV | D |
| | PCB 185 (BZ) | 42:31 | 00:00 | 0 | 738090 | 692674 | 147710 | 143255 | 1.07 | AVV/AVV | D |
| | PCB 181 (BZ) | 43:28 | 00:00 | 0 | 744275 | 695863 | 149098 | 139895 | 1.07 | AVV/AVV | D |
| | PCB 192 (BZ) | 45:35 | 00:00 | 0 | 919402 | 883507 | 183478 | 180589 | 1.04 | ABV/AVV | D |
| 406 | | | | | 405.8428 | 407.8398 | 405.8428 | 407.8398 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 133 | 180 | 53 | 72 | 0.74 * | / | |
| | 13C12-PCB 188 | 37:47 | 00:00 | 0 | 1004529 | 944975 | 208183 | 203692 | 1.06 | ABV/ABV | D |
| | 13C12-PCB 178 | 40:52 | 00:00 | 0 | 662771 | 611016 | 137503 | 127343 | 1.08 | ABV/ABV | |
| | 13C12-PCB 180 | 45:56 | 00:00 | 0 | 862980 | 785645 | 175440 | 159017 | 1.10 | ABV/ABV | |
| | 13C12-PCB 170 | 47:15 | 00:00 | 0 | 682053 | 655197 | 136679 | 128539 | 1.04 | AVV/AVV | |
| | 13C12-PCB 189 | 50:19 | 00:00 | 0 | 1099901 | 1049544 | 226247 | 214737 | 1.05 | ABV/ABV | D |
| 428 | | | | | 427.7635 | 429.7606 | 427.7635 | 429.7606 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 213 | 168 | 85 | 67 | 1.27 * | / | |
| | PCB 197 (BZ) | 44:58 | 00:00 | 0 | 1239698 | 1350295 | 259589 | 276528 | 0.92 | ABV/ABV | |
| | PCB 201 (BZ)/199 (IUPAC | 47:54 | 00:00 | 0 | 863031 | 964235 | 173535 | 196759 | 0.90 | ABV/ABV | DM |
| | PCB 203 (BZ) | 48:44 | 00:00 | 0 | 970108 | 1069068 | 196443 | 221579 | 0.91 | AVV/AVV | D |
| 440 | | | | | 439.8038 | 441.8008 | 439.8038 | 441.8008 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 138 | 118 | 55 | 47 | 1.17 * | / | |
| | 13C12-PCB 202 | 43:09 | 00:00 | 0 | 793320 | 854946 | 165708 | 180251 | 0.93 | ABV/ABV | D |
| | 13C12-PCB 194 | 52:23 | 00:00 | 0 | 673104 | 739113 | 134990 | 147976 | 0.91 | ABV/ABV | |
| | 13C12-PCB 205 | 52:51 | 00:00 | 0 | 908905 | 996862 | 182431 | 199869 | 0.91 | AVV/AVV | |
| 462 | | | | | 461.7246 | 463.7216 | 461.7246 | 463.7216 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 474 | | | | | 473.7648 | 475.7619 | 473.7648 | 475.7619 | 0.65-0.89 | | |

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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX2 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030722. | Prep Date | | SDG No | |
| Analysis ID | 96243 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 23:13 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

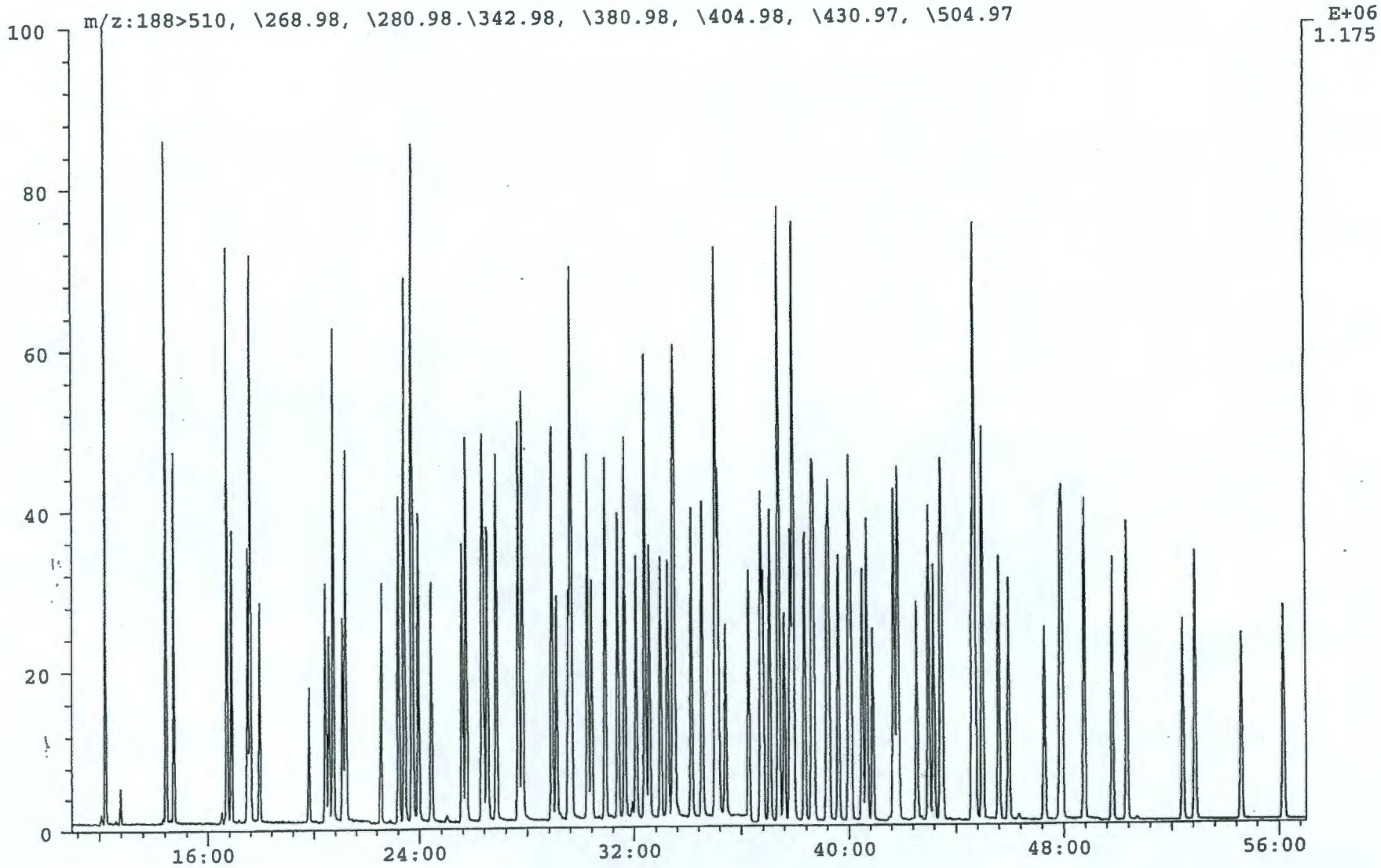
View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| 474 | | | | | 473.7648 | 475.7619 | 473.7648 | 475.7619 | 0.65-0.89 | |
| | Noise | 00:00 | 00:00 | 0 | 145 | 165 | 58 | 66 | 0.88 | / |
| | 13C12-PCB 208 | 49:46 | 00:00 | 0 | 777749 | 967800 | 157832 | 193782 | 0.80 | AVV/AVV |
| | 13C12-PCB 206 | 54:33 | 00:00 | 0 | 526973 | 652333 | 102773 | 132964 | 0.81 | AVV/ABV |
| 496 | | | | | 495.6856 | 497.6826 | 495.6856 | 497.6826 | 0.59-0.79 | |
| | Noise | 00:00 | 00:00 | 0 | 75 | 98 | 30 | 39 | 0.77 | / |
| 508 | | | | | 507.7258 | 509.7229 | 507.7258 | 509.7229 | 0.59-0.79 | |
| | Noise | 00:00 | 00:00 | 0 | 170 | 123 | 68 | 49 | 1.39 * | / |
| | 13C12-PCB 209 | 56:08 | 00:00 | 0 | 606381 | 855703 | 112624 | 154666 | 0.71 | ABV/ABV |

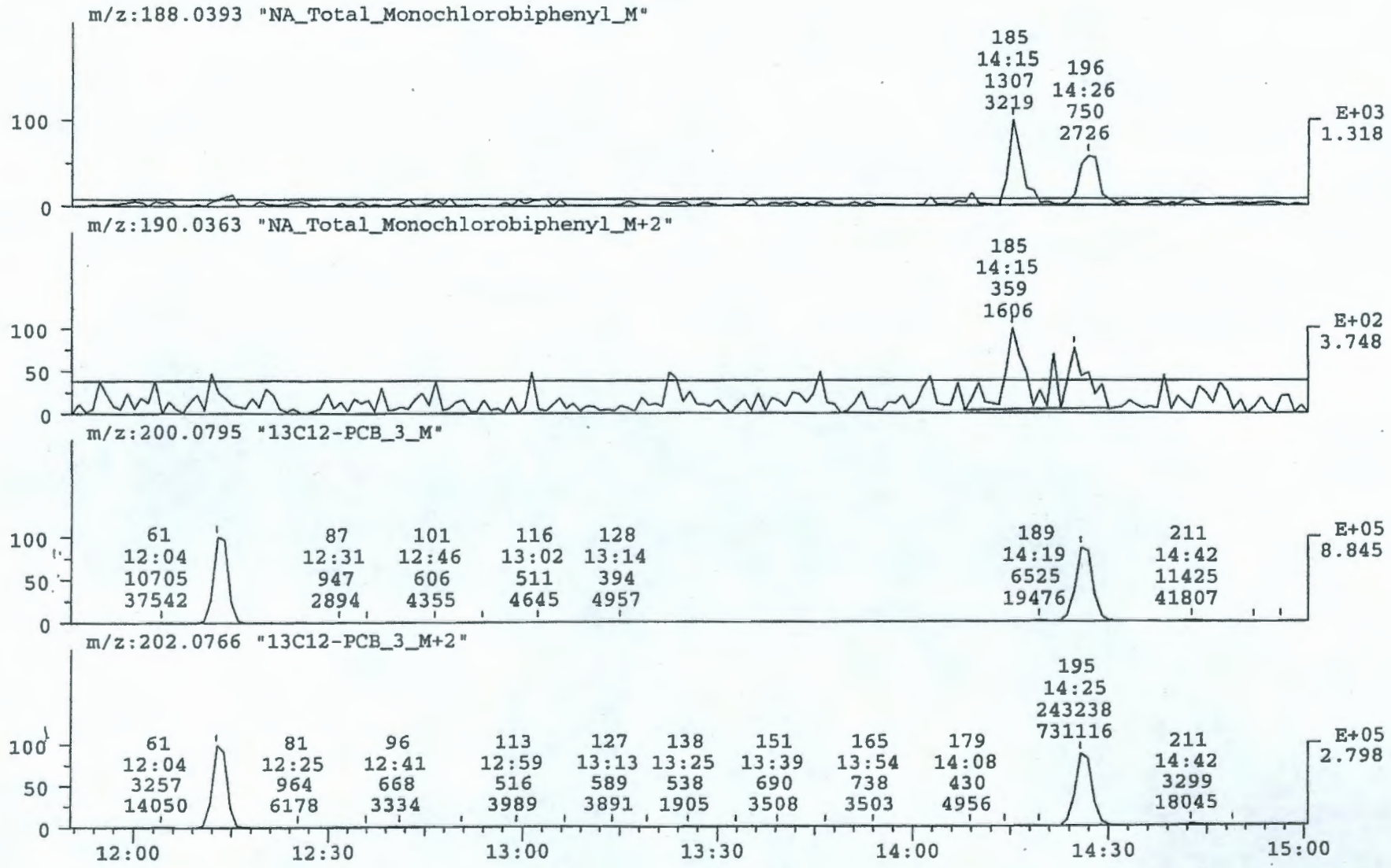
Notes:
R = ratio is outside limits  M = data changed manually  N = Peak not reported  S = peak less than 2.5x S/N
T = peaks outside comax limit  D = peak outside RT window  W = peak outside first/last  X = peak has dup match

Int DCG 3.1707
Calc DCG 3.1907
GC BKW 3/19/07

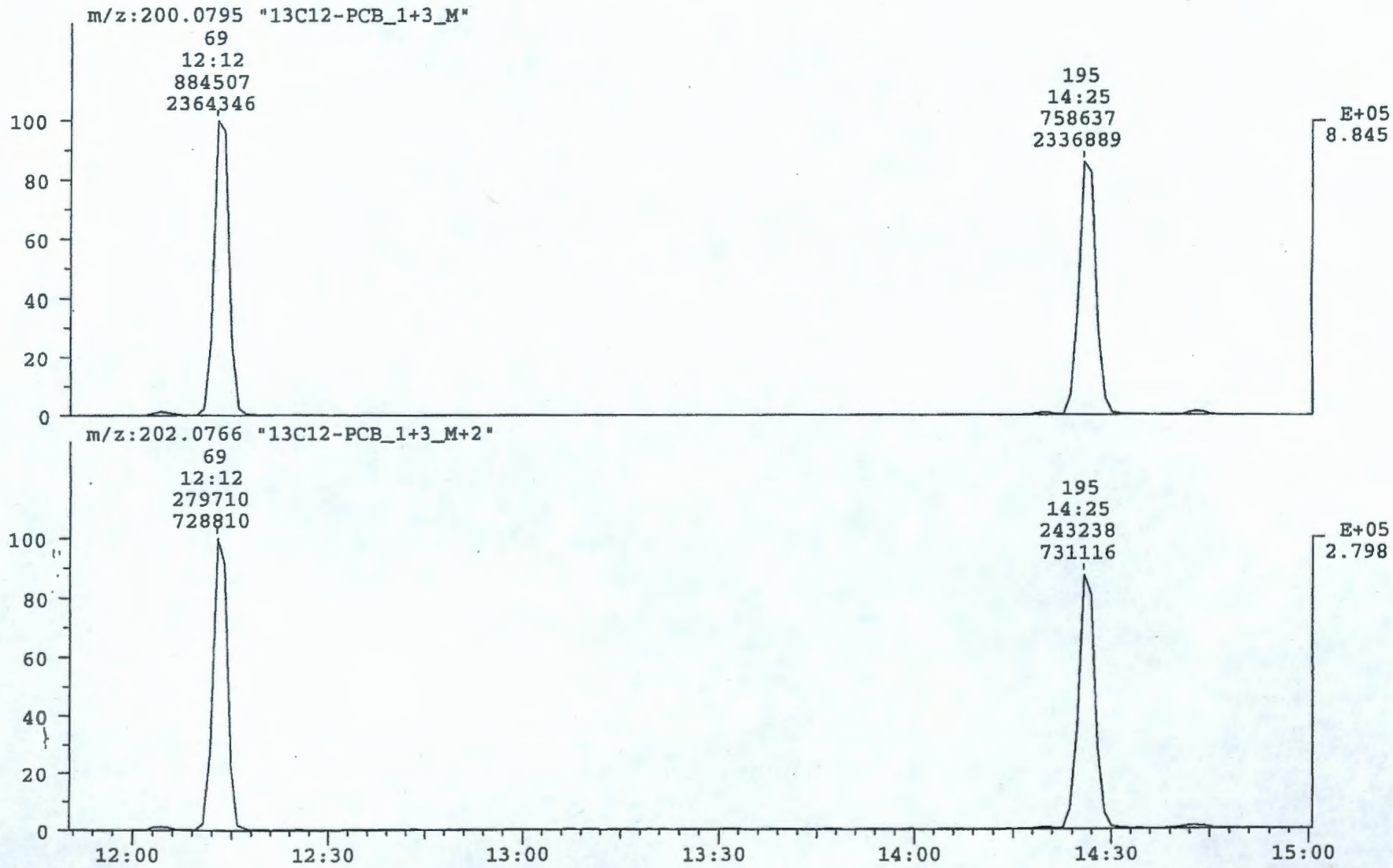
| | | | | | |
|---|---|---|---|---|---|
| CHRO: | a07030722 | 07-Mar-07 | Elapse: | 56:11 | 2556 |
| Samp: | Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 | | Start : | 23:13:48 | 2602 |
| Comm: | Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i | | | | |
| Mode: | EI +VE +LMR ESCAN LR NRM | | Study : | 1668 RT Mix2/Run2 | |
| Oper: | DCG | Client: STL Knoxville | Inlet : | GC | Vial 4 |
| 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 | | | | |



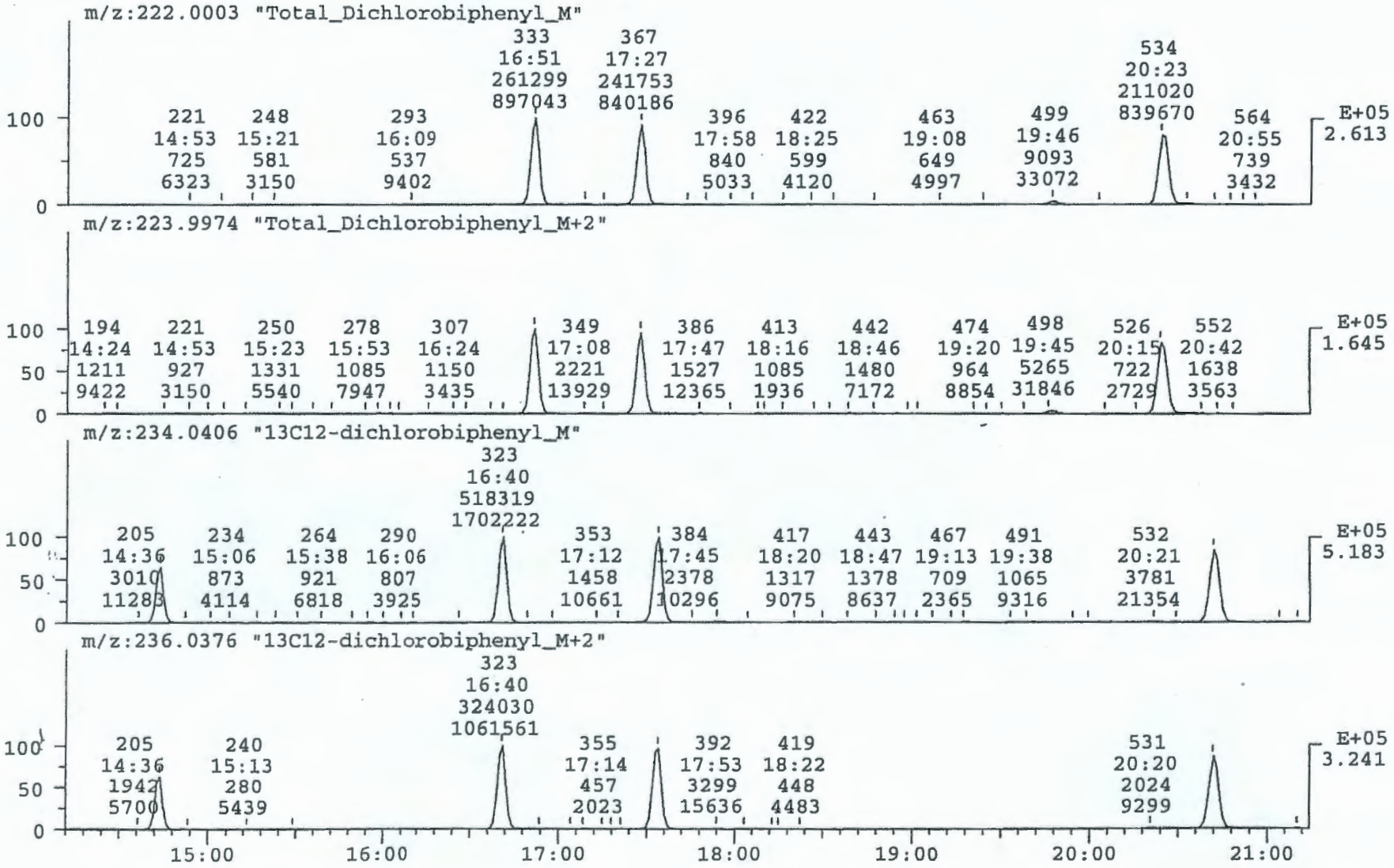
```
CHRO:  a07030722                                07-Mar-07   Elapse:  13:25.5     138
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



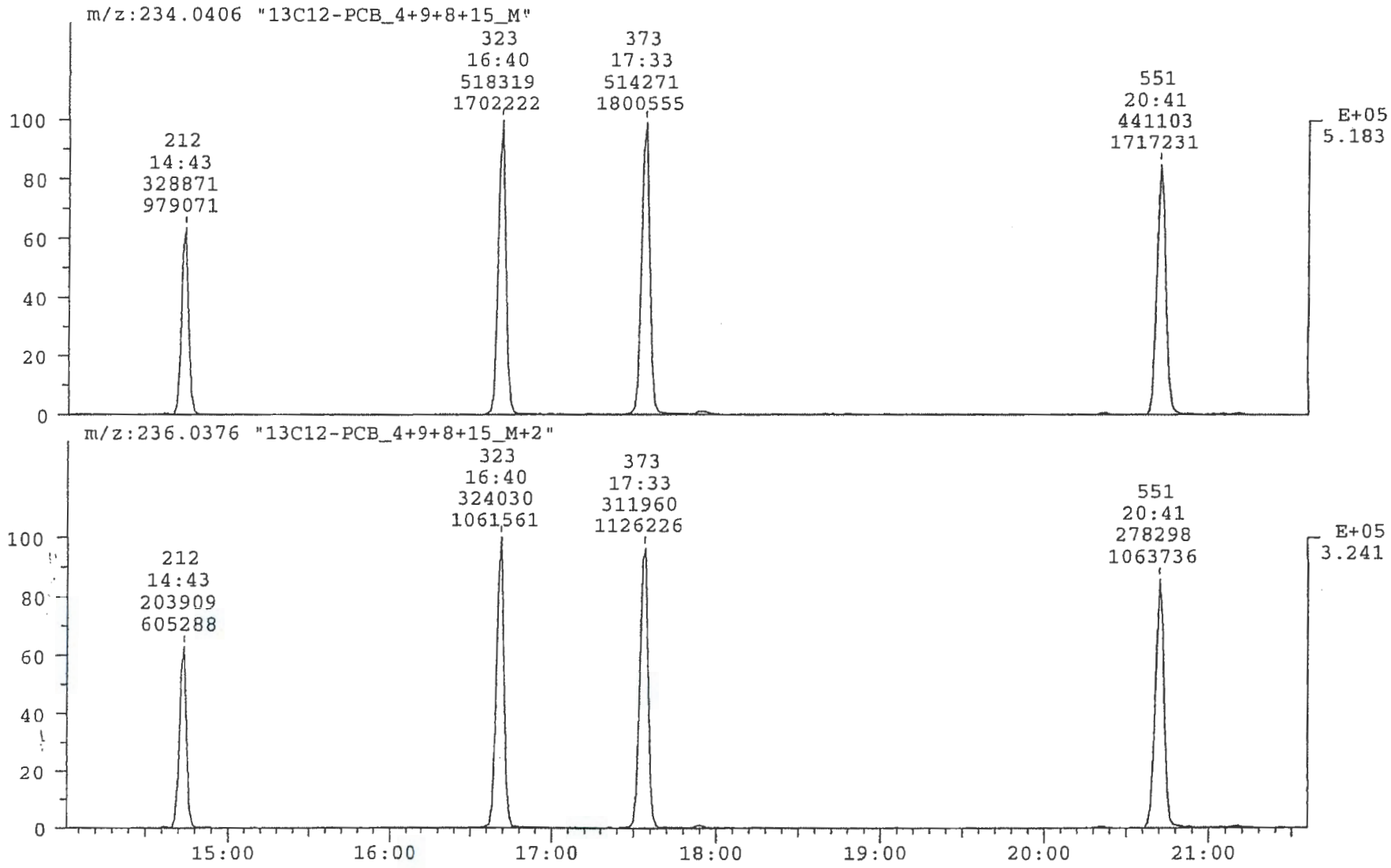
```
CHRO:  a07030722                                07-Mar-07   Elapse:  13:25.5     138
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



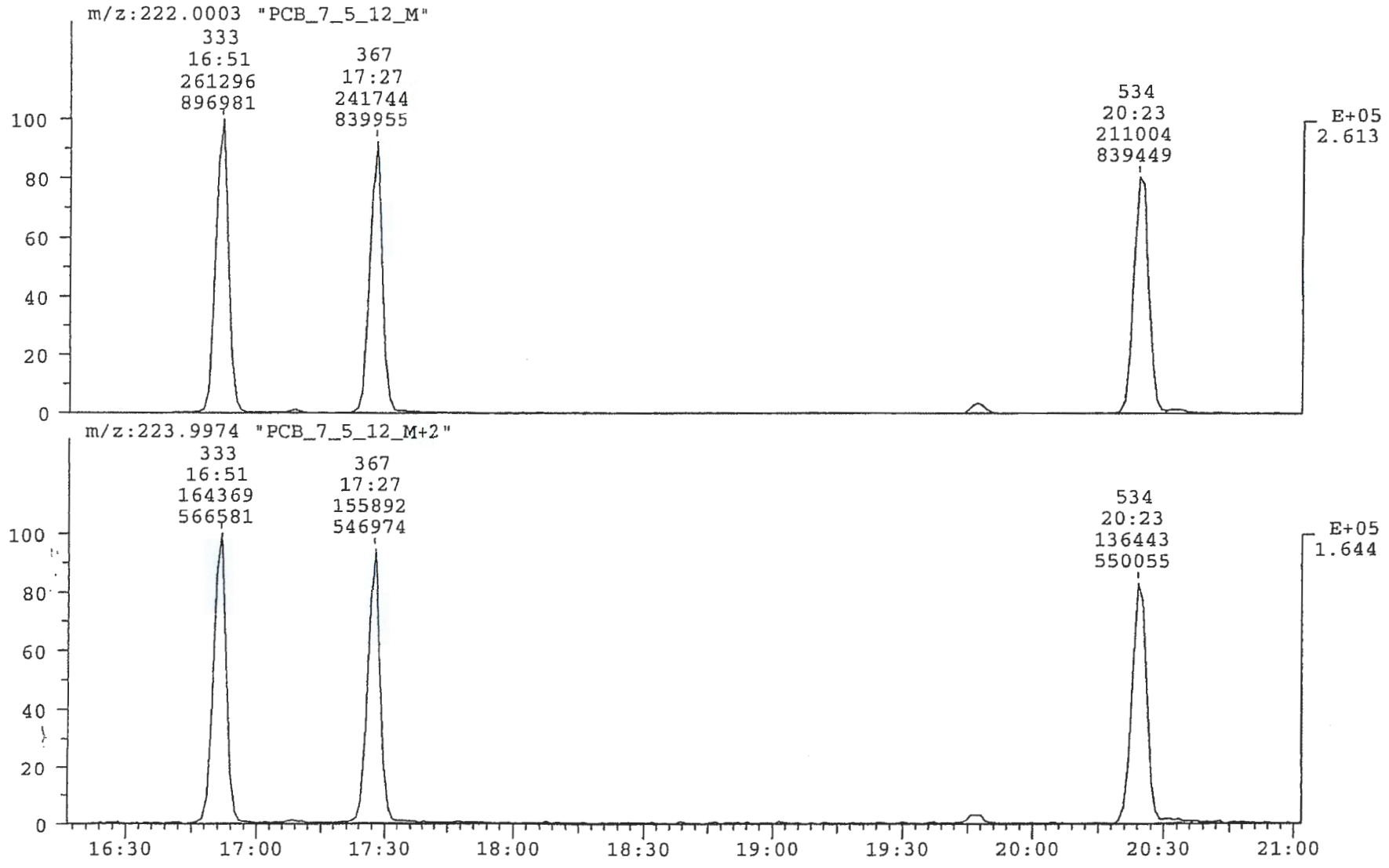
```
CHRO:  a07030722                                07-Mar-07   Elapse:  17:43.2      382
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



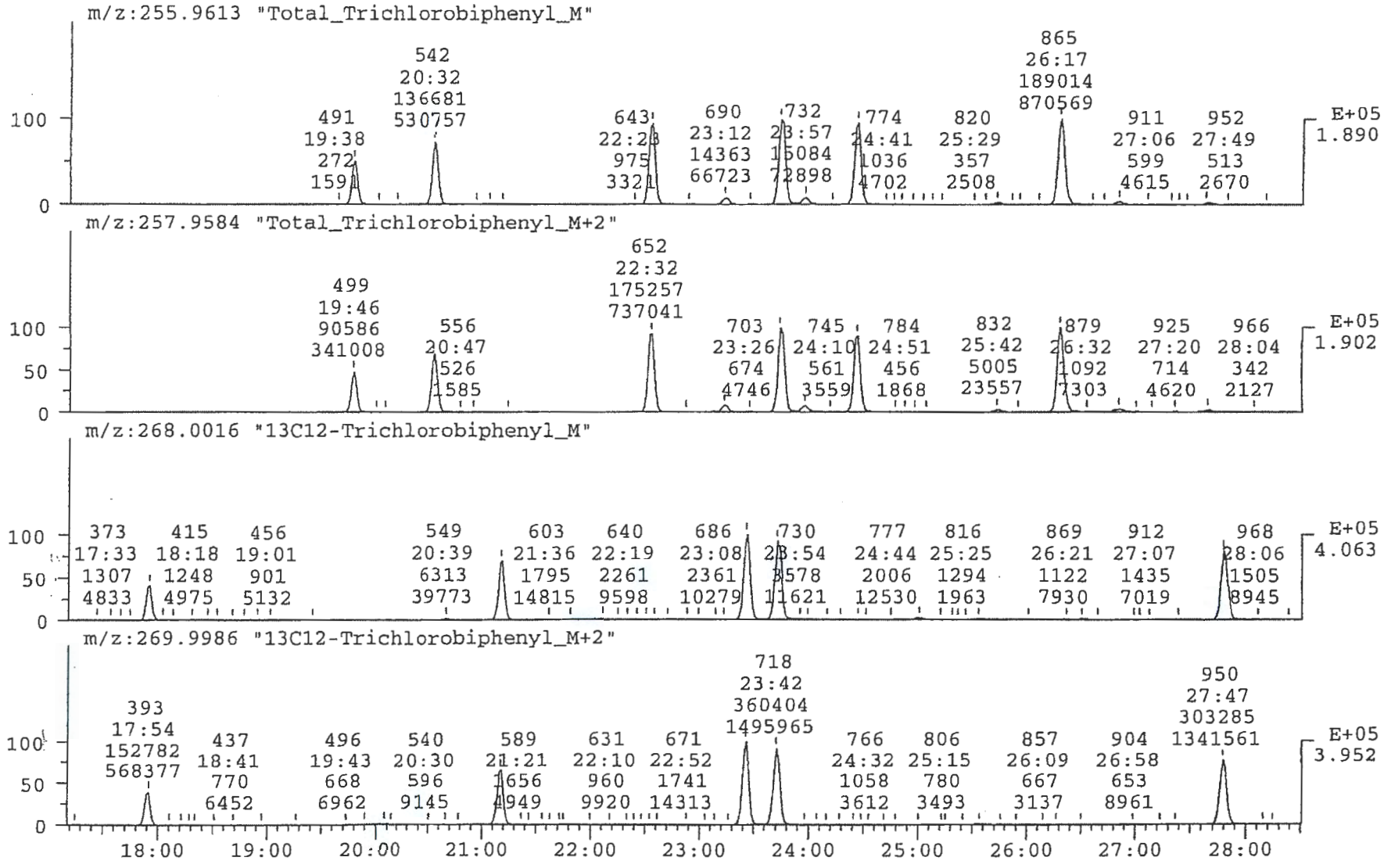
```
CHRO:  a07030722                                07-Mar-07   Elapse:  17:43.2      382
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



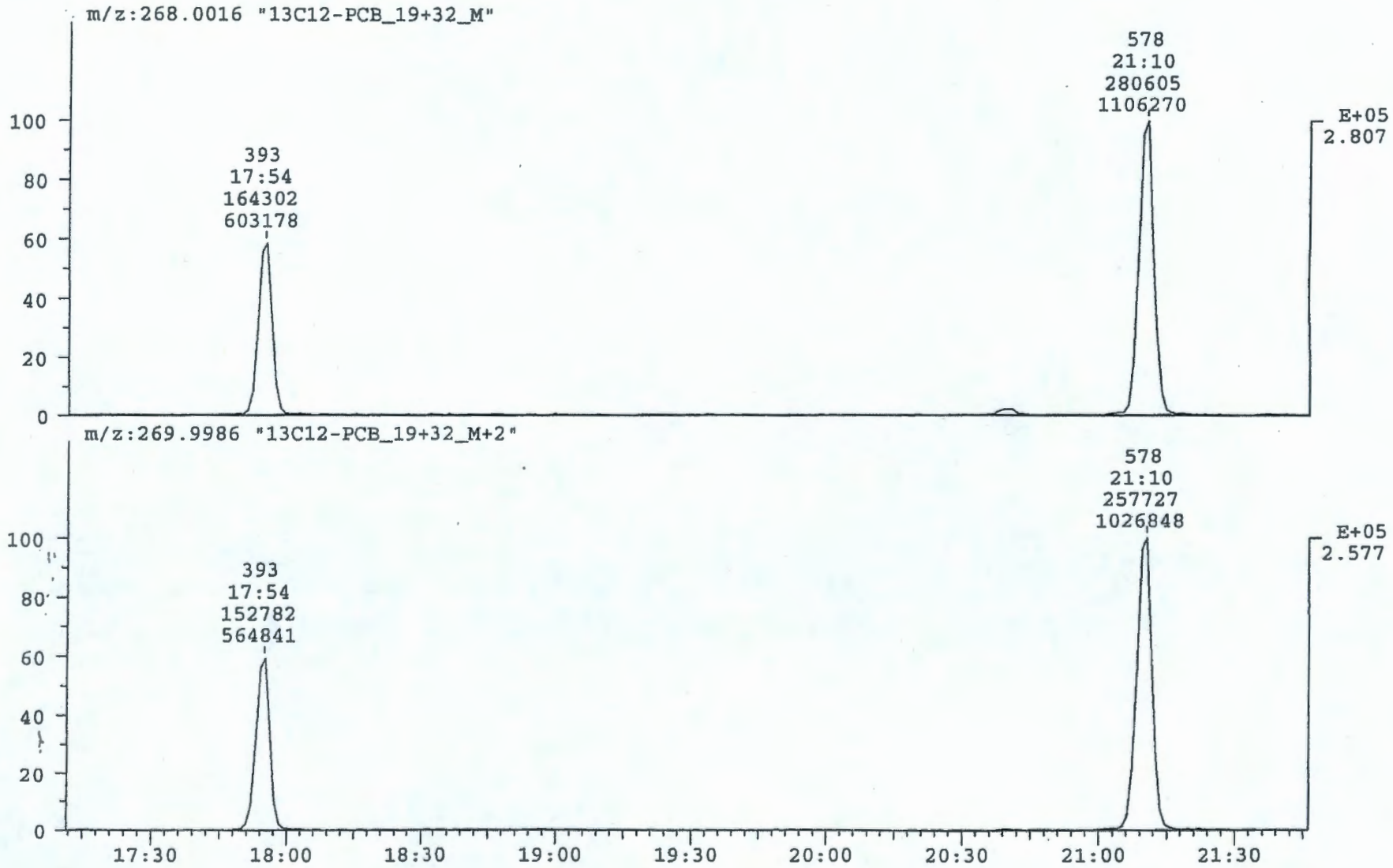
```
CHRO:  a07030722                                07-Mar-07   Elapse:  18:39.2      435
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   300 > 570             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



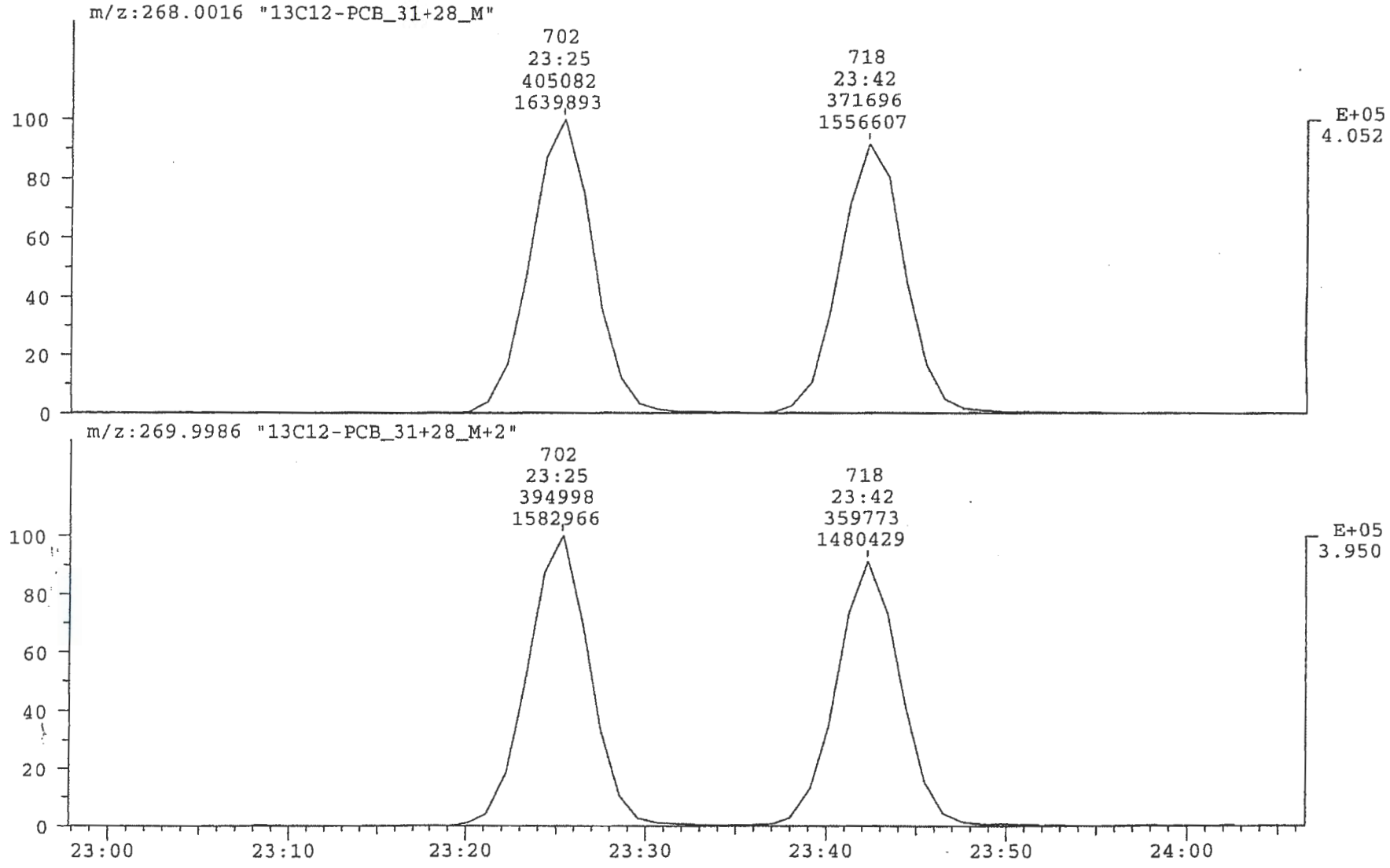
```
CHRO:  a07030722                                07-Mar-07   Elapse:  22:52.6      671
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Cca1=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



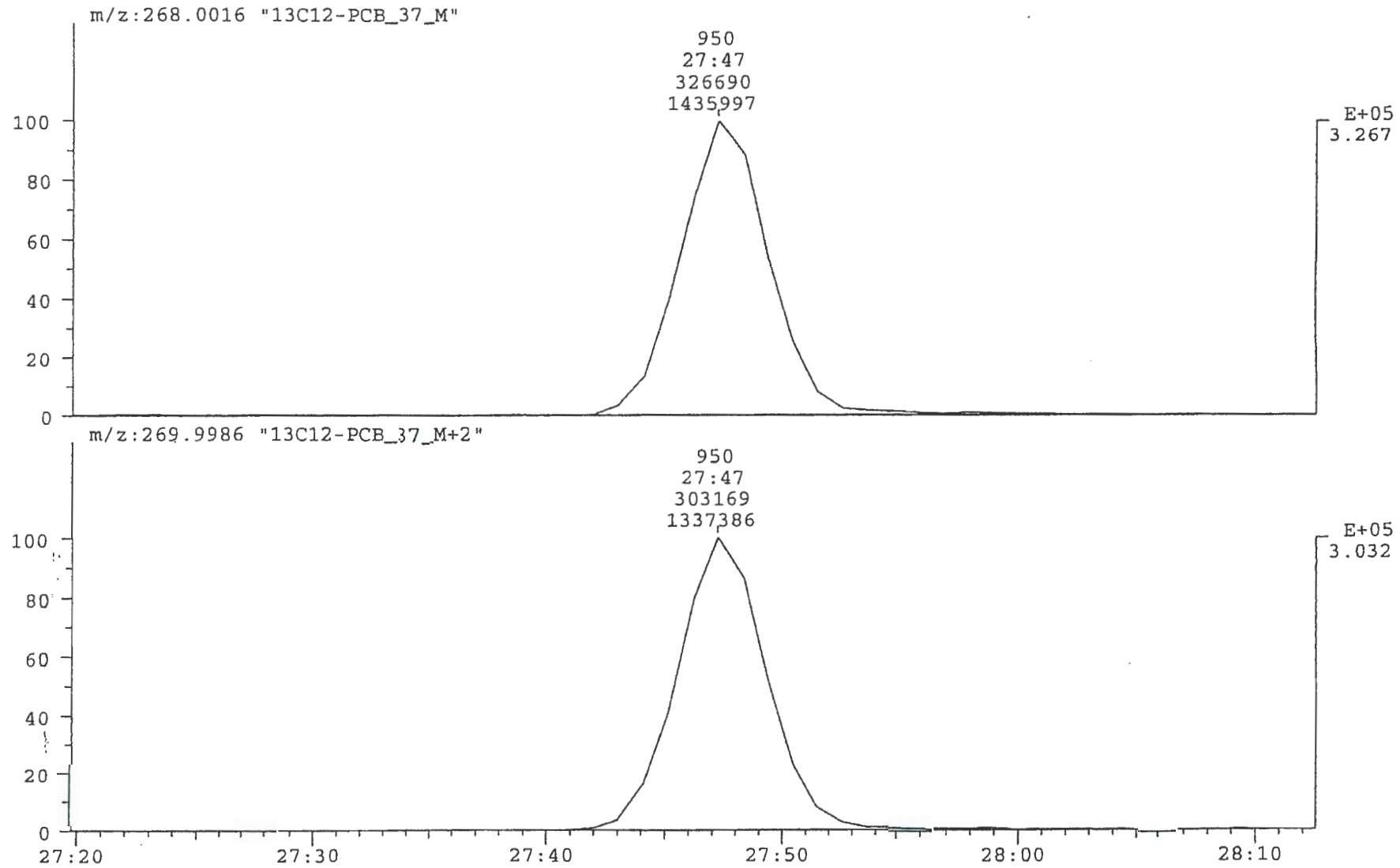
```
CHRO:  a07030722                                07-Mar-07   Elapse:  19:18.3      472
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48    2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



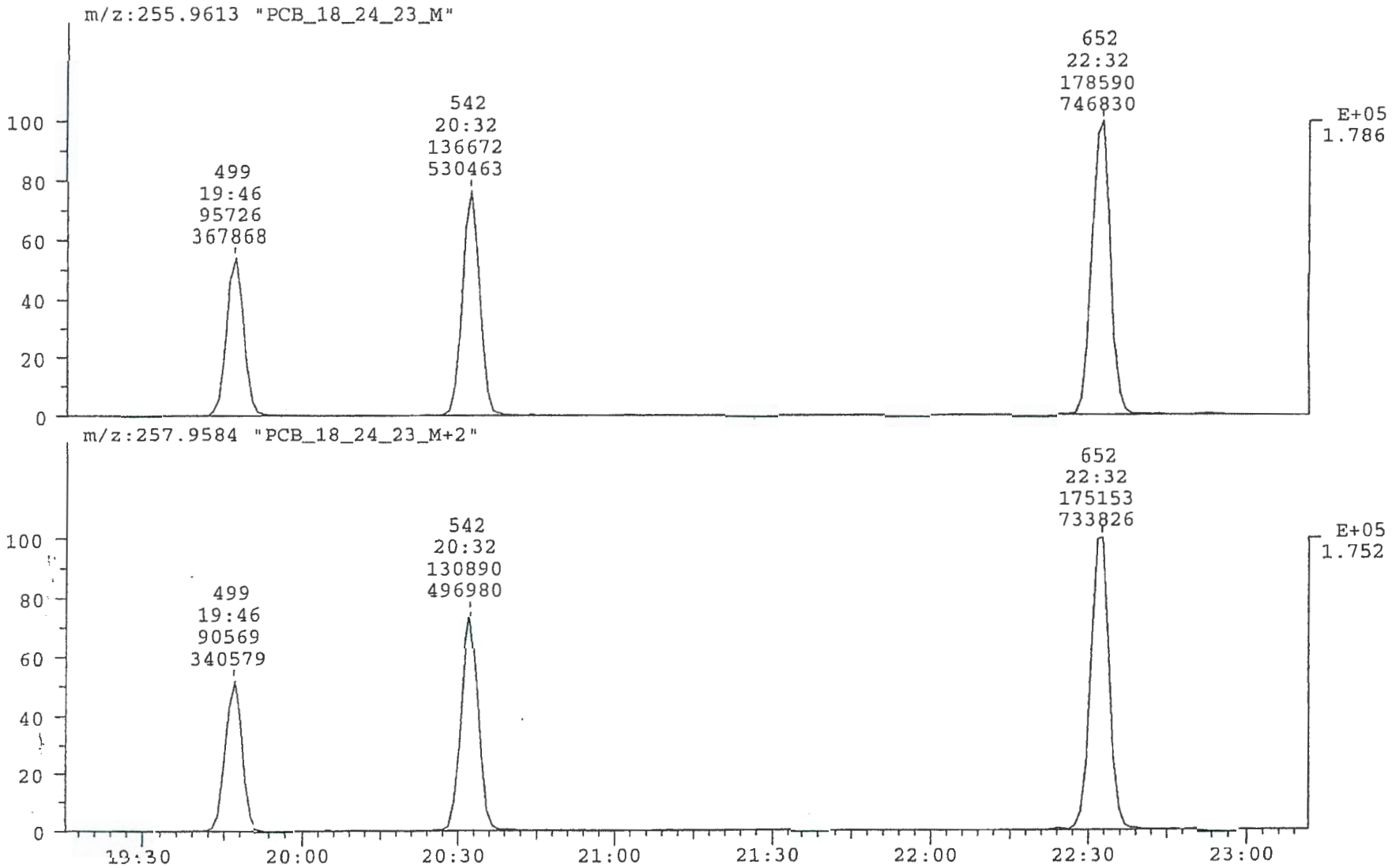
```
CHRO:  a07030722                                07-Mar-07   Elapse:  23:24.3      701
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48    2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



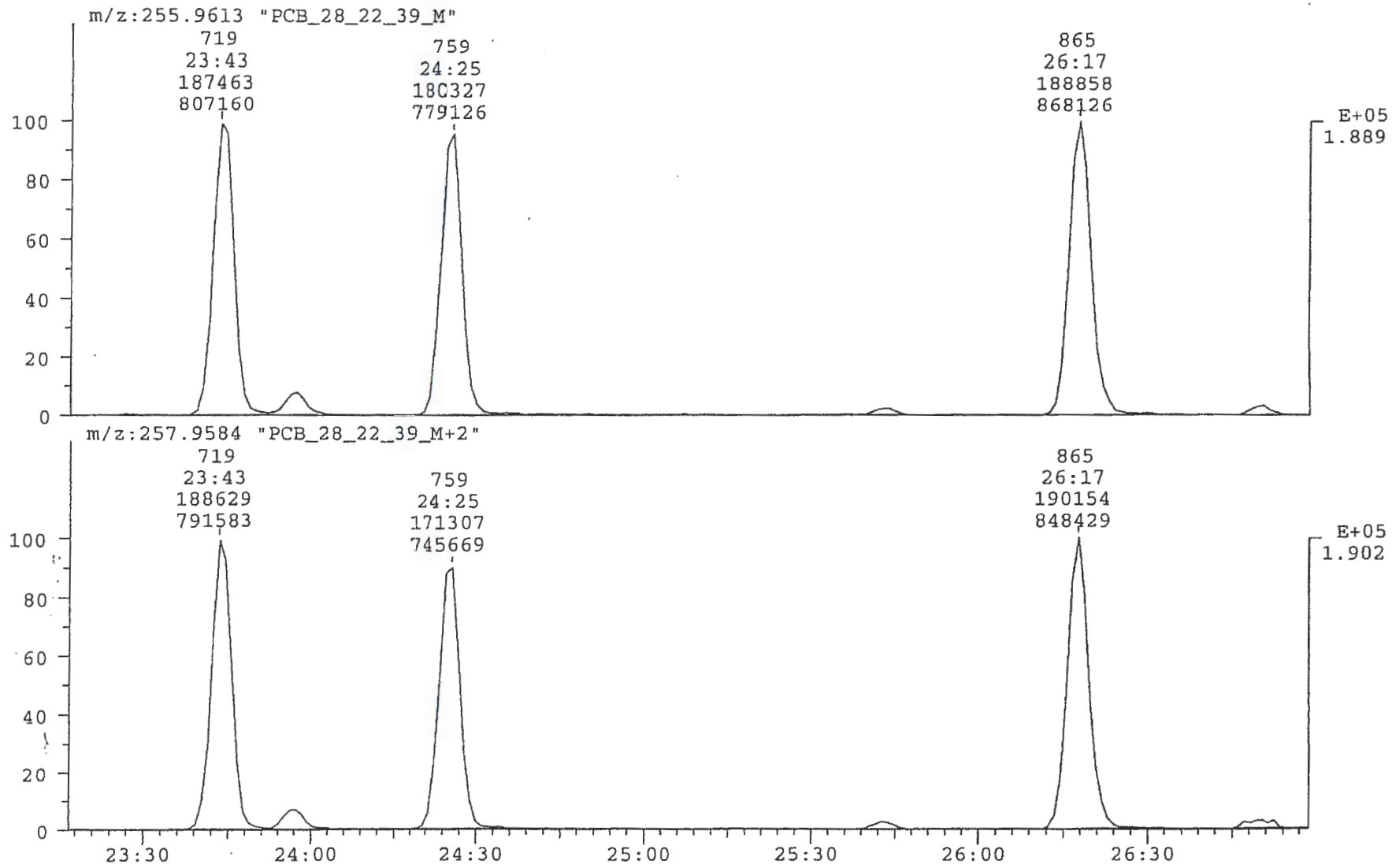
```
CHRO:  a07030722                                07-Mar-07   Elapse:  27:46.2      949
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



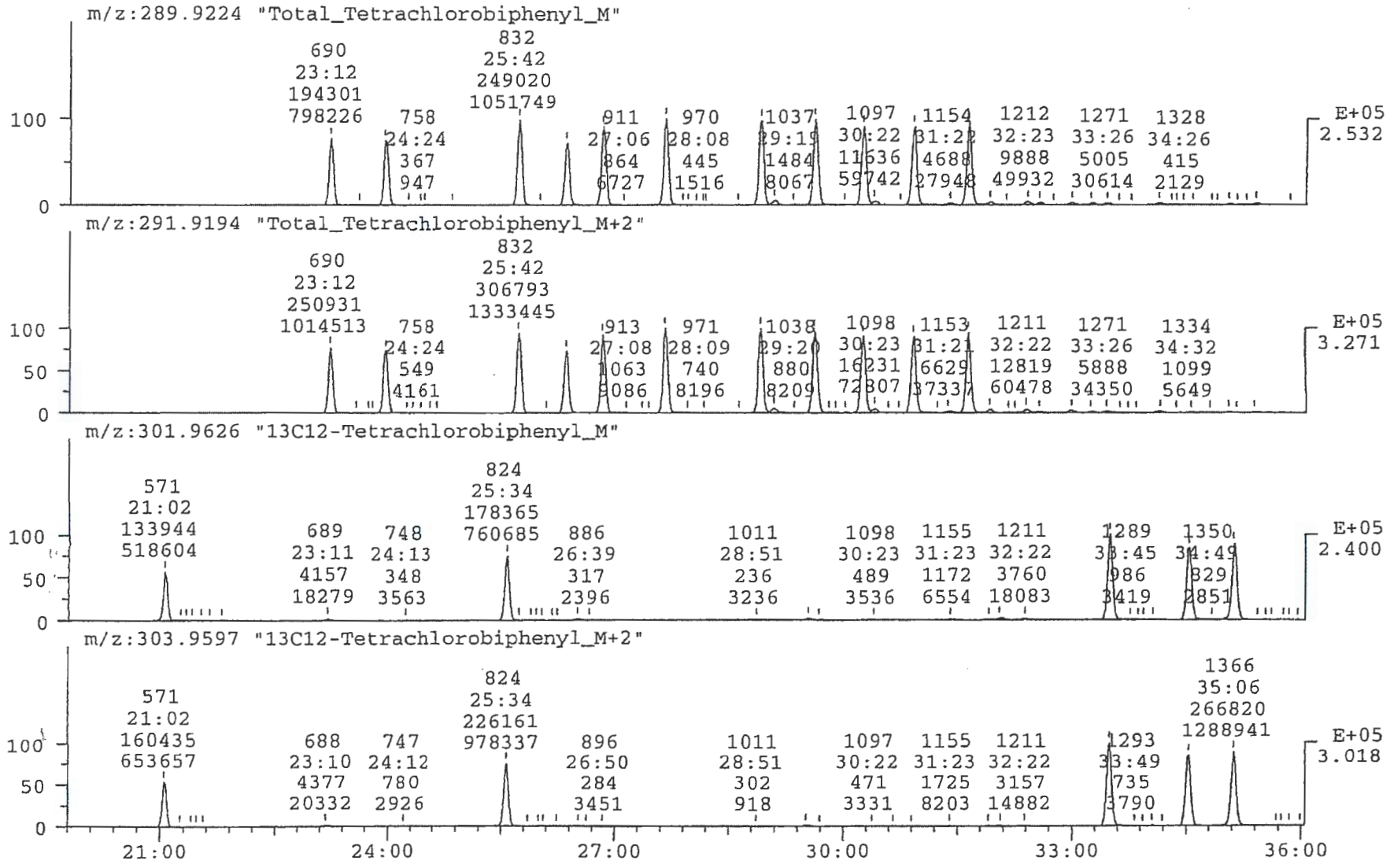
```
CHRO:  a07030722                                07-Mar-07   Elapse:  21:11.2      579
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   469 > 689             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



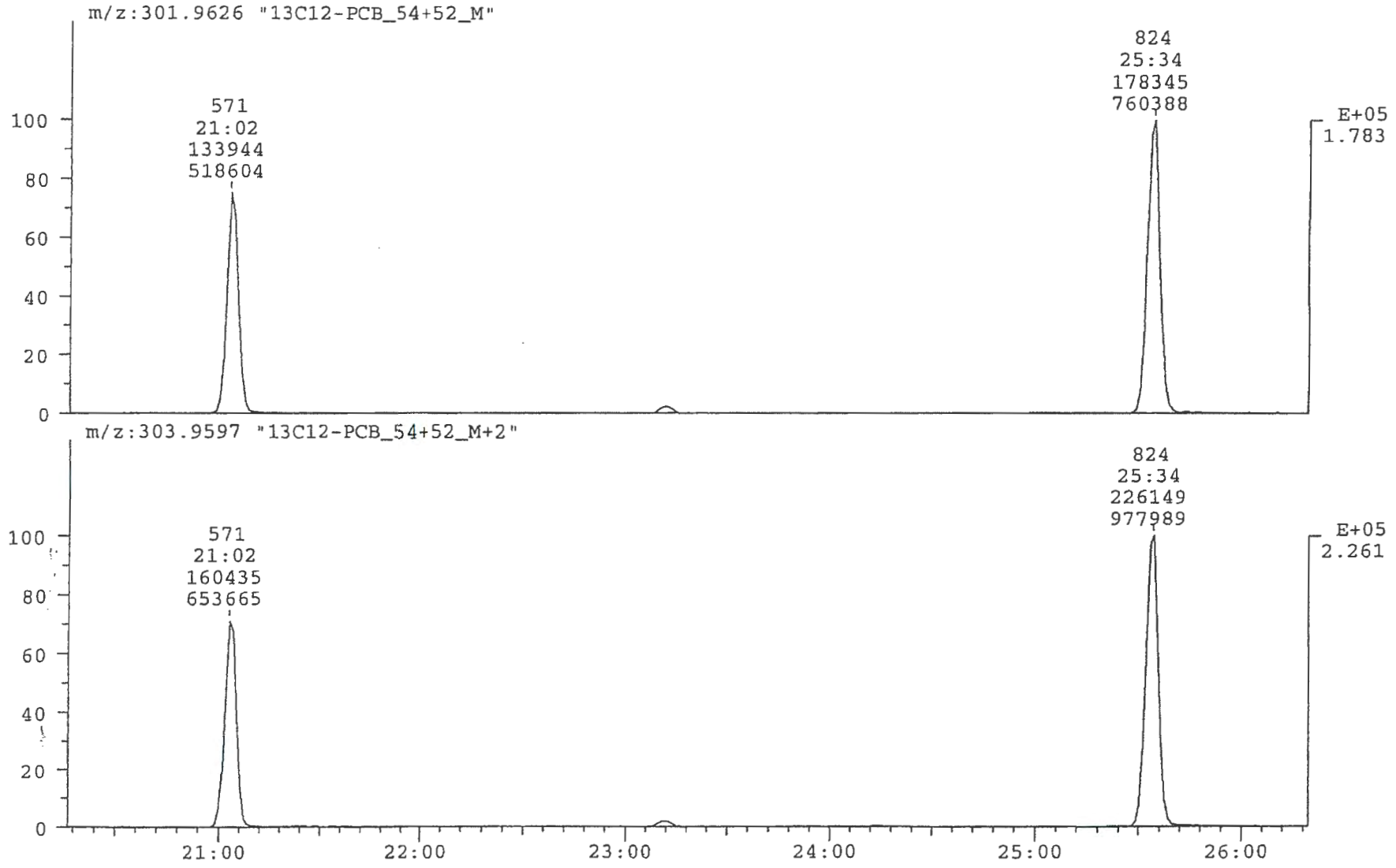
```
CHRO:  a07030722                                07-Mar-07   Elapse:  25:02.4      794
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48    2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   694 > 904             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



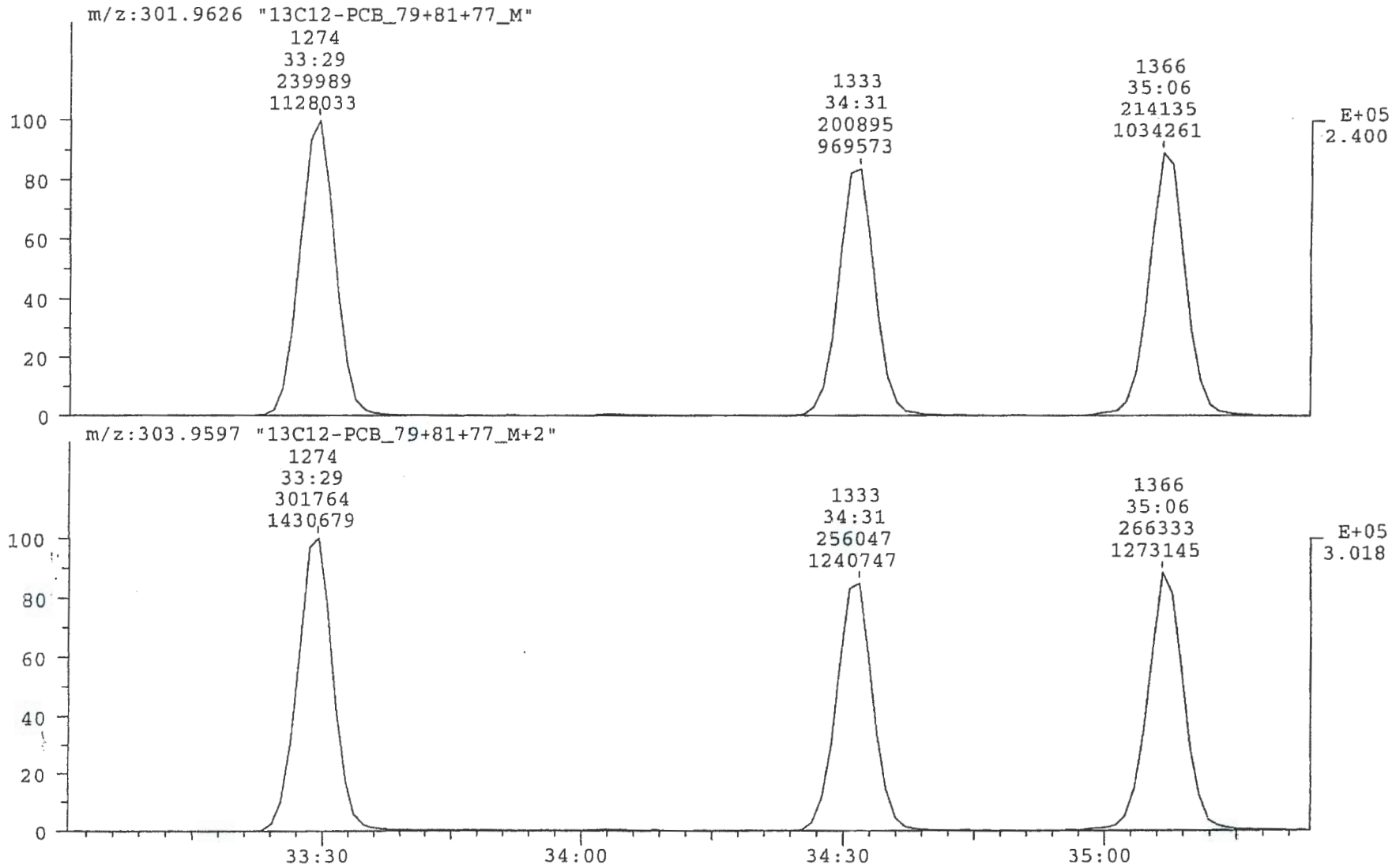
CHRO: a07030722 07-Mar-07 Elapse: 27:54.7 957
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 23:13:48 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 500 > 1420 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



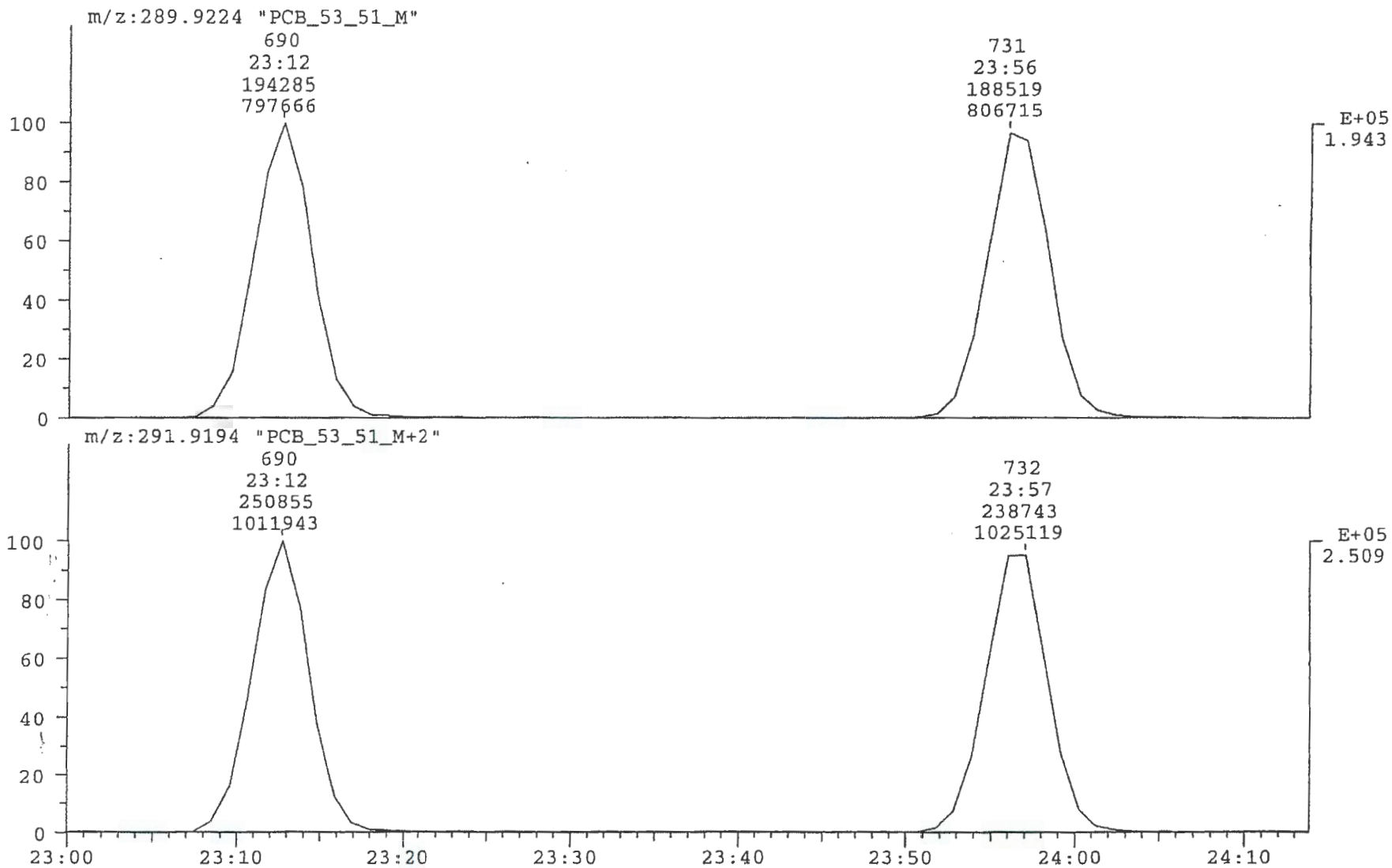
```
CHRO:  a07030722                                07-Mar-07   Elapse:  23:20.1      697
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



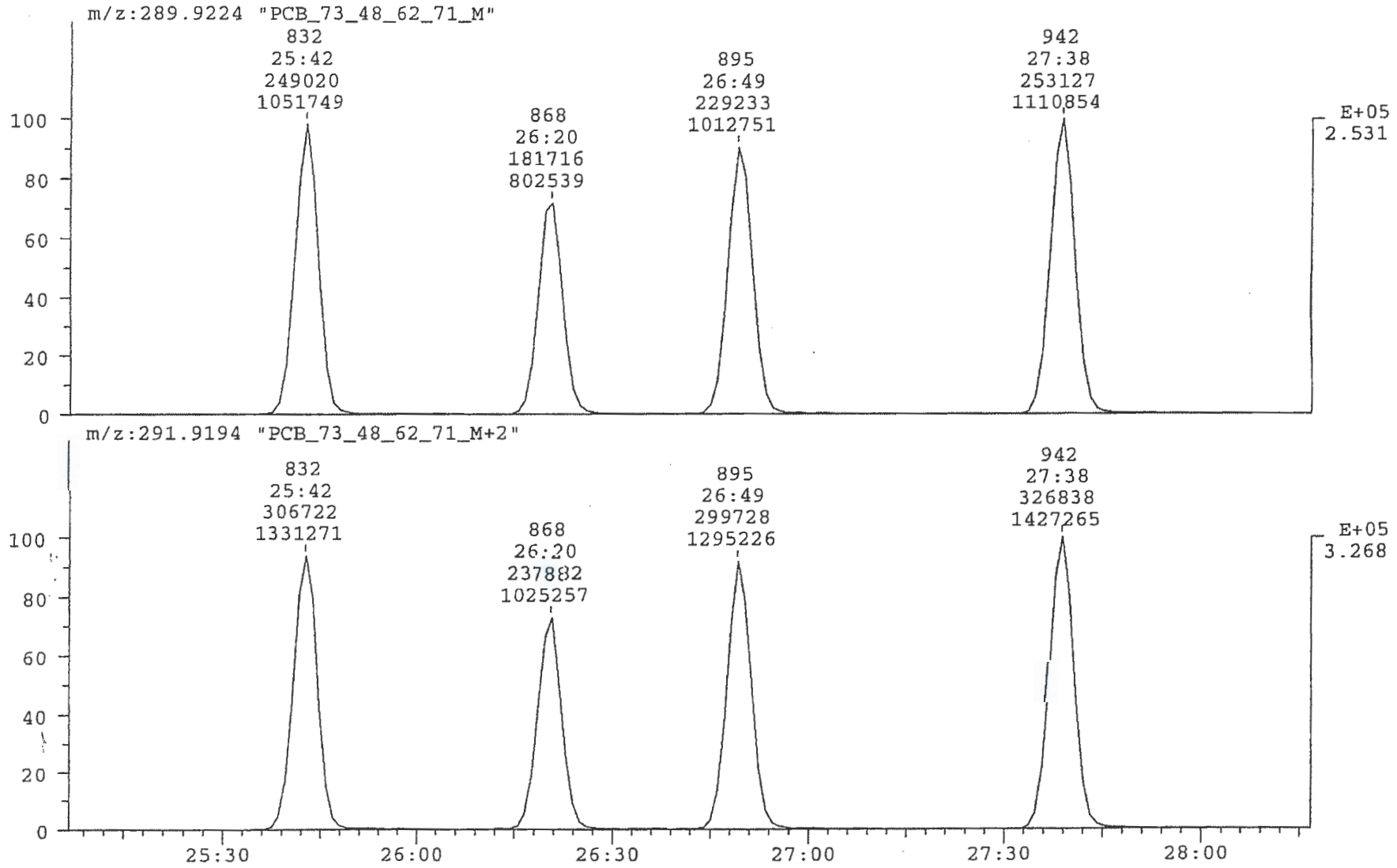
```
CHRO:  a07030722                                07-Mar-07   Elapse:  34:14      1317
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1247 > 1382           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



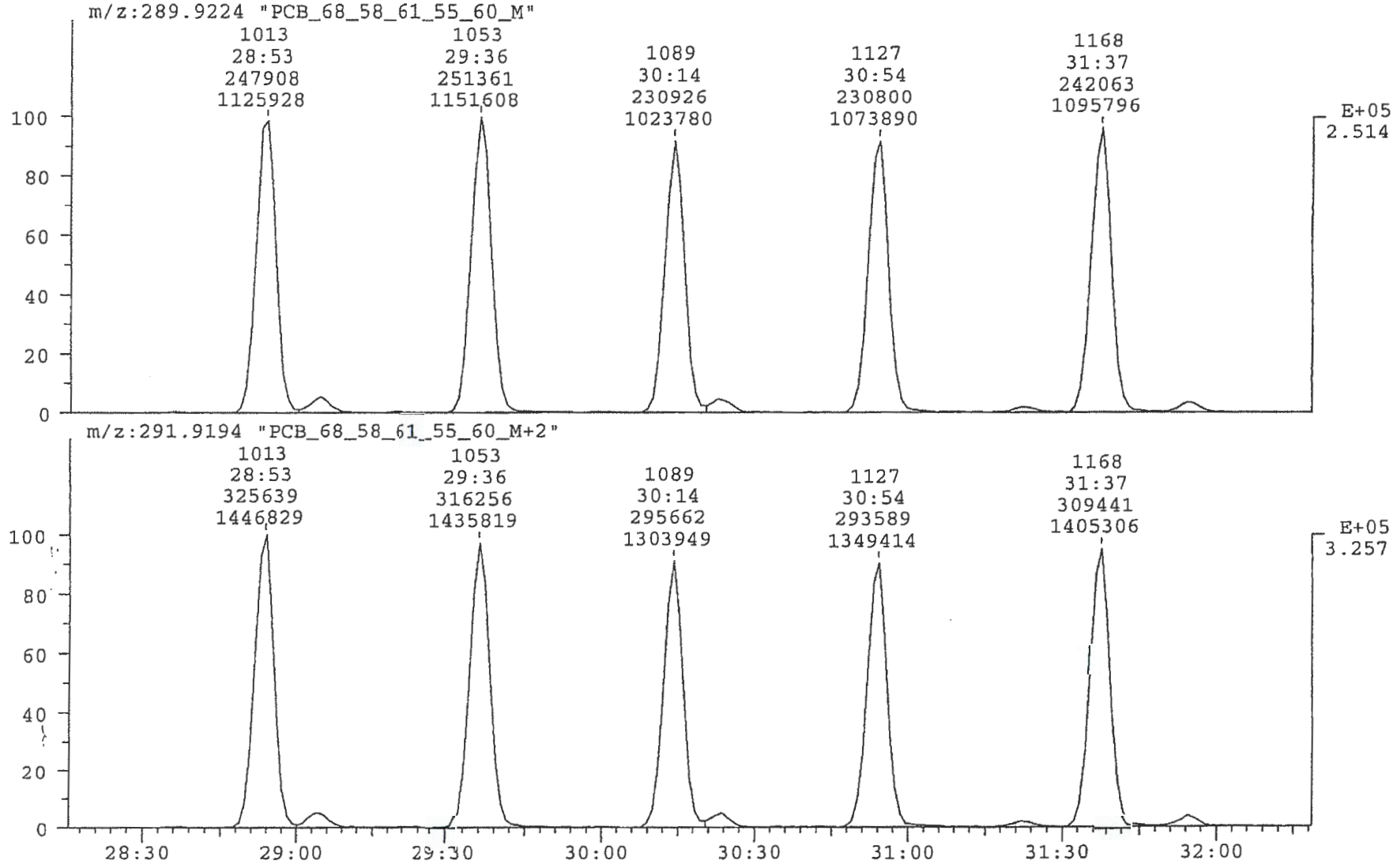
```
CHRO:  a07030722                              07-Mar-07   Elapse:  23:42.2      718
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  23:13:48    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   678 > 748           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



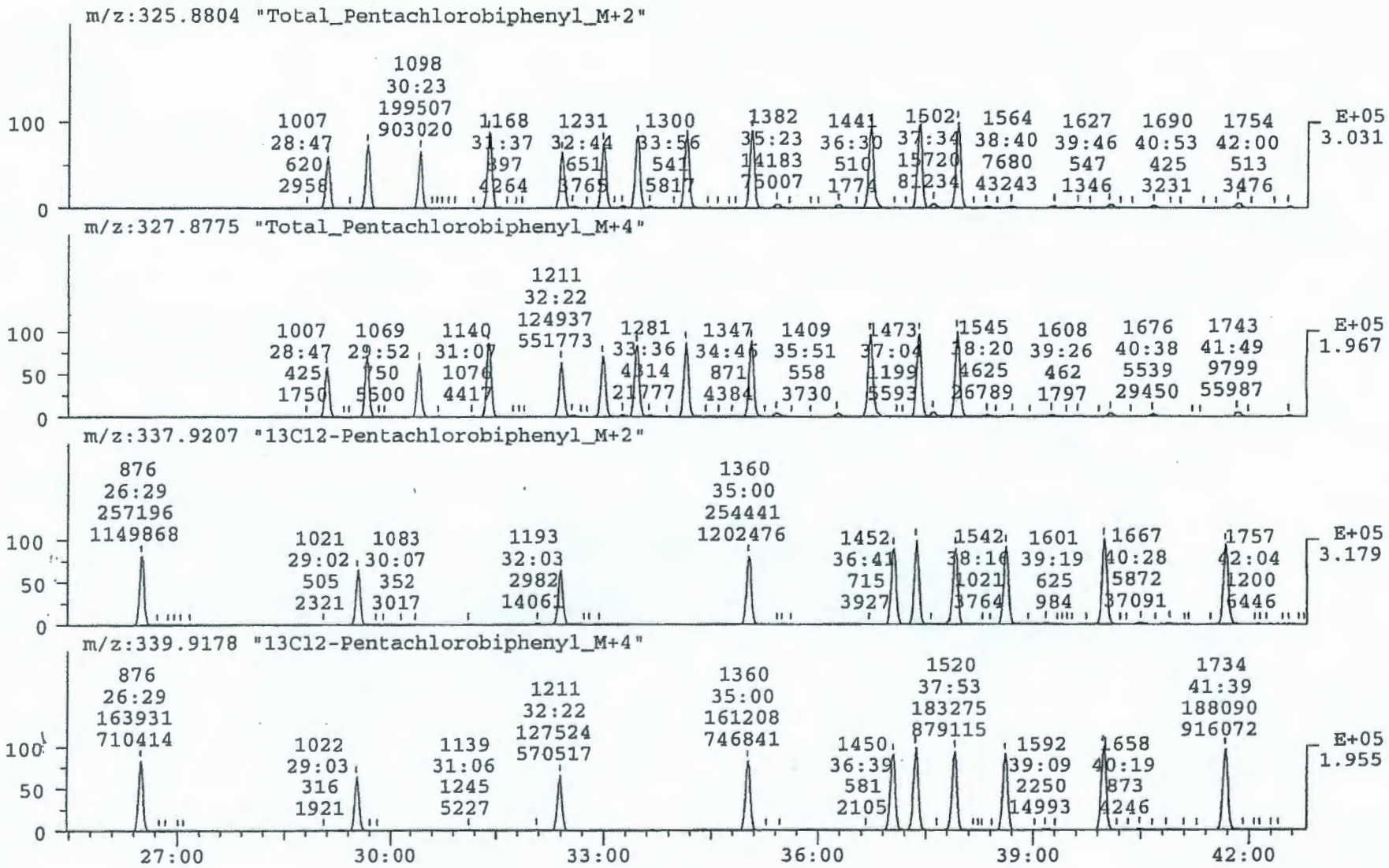
```
CHRO:  a07030722                                07-Mar-07   Elapse:  26:41.7      888
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   798 > 978             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



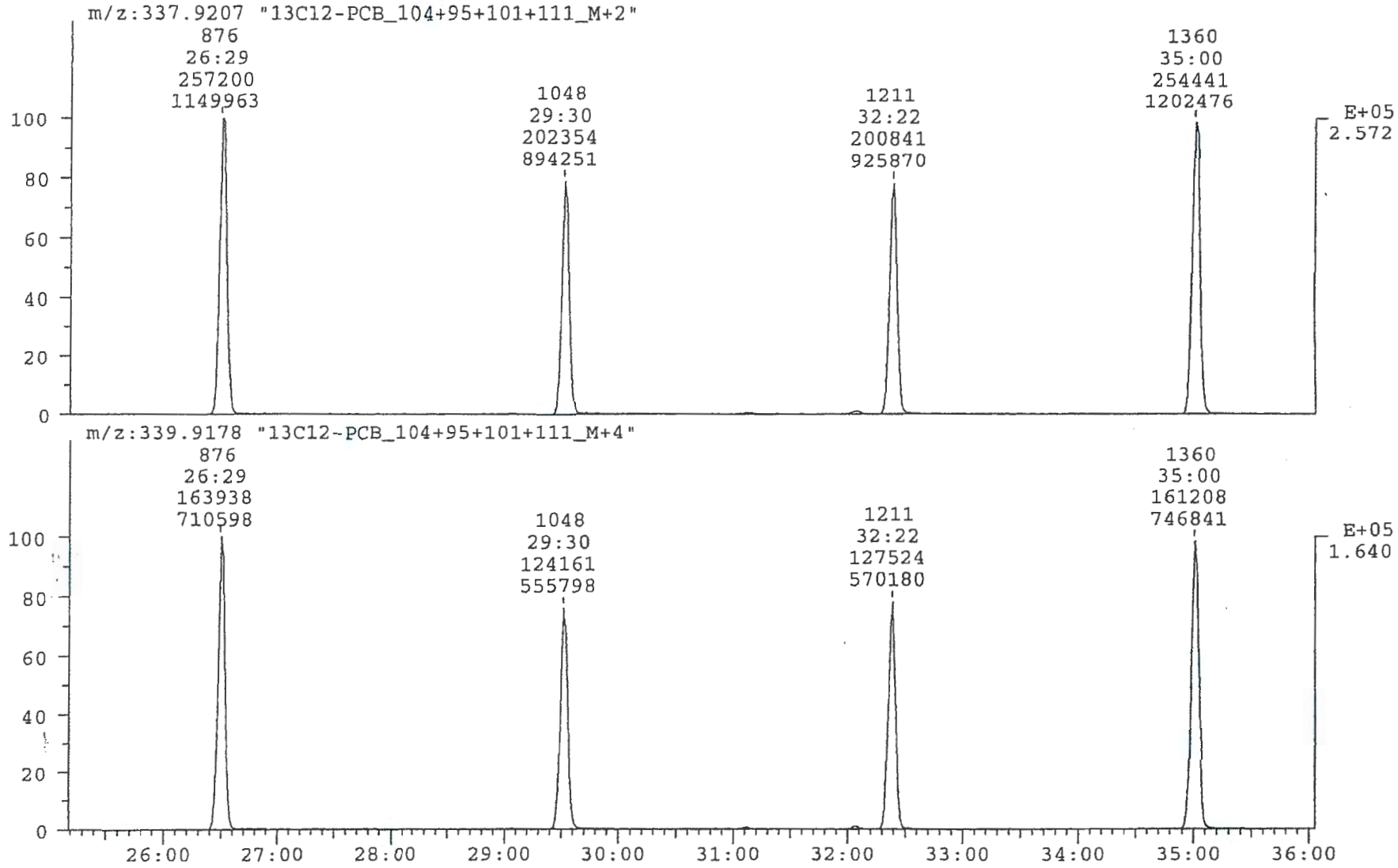
```
CHRO:  a07030722                                07-Mar-07  Elapse:  30:17      1092
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   977 > 1207          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



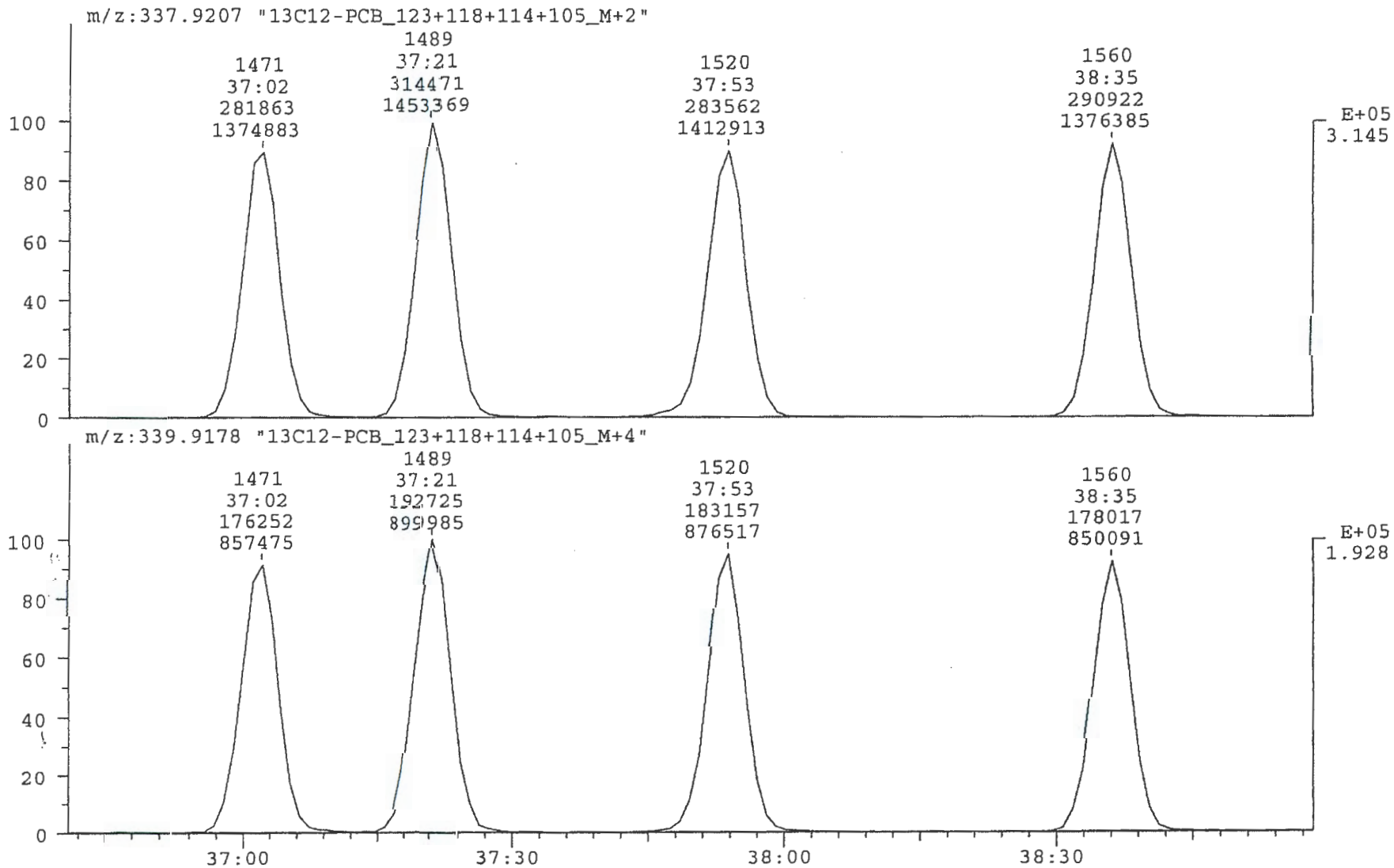
CHRO: a07030722 07-Mar-07 Elapse: 34:08 1311
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 23:13:48 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 818 > 1799 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



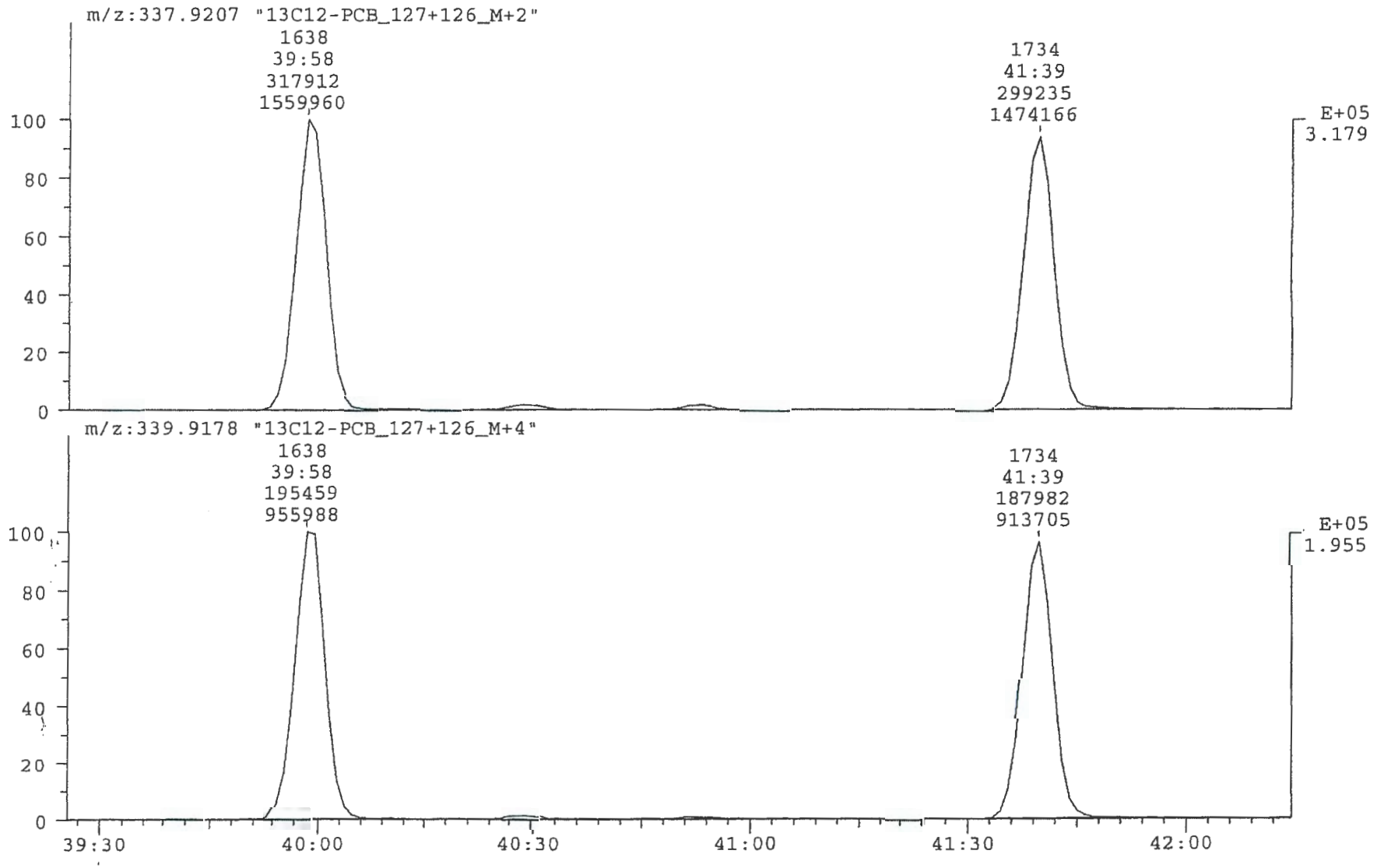
```
CHRO:  a07030722                              07-Mar-07   Elapse:  30:37      1111
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
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
```



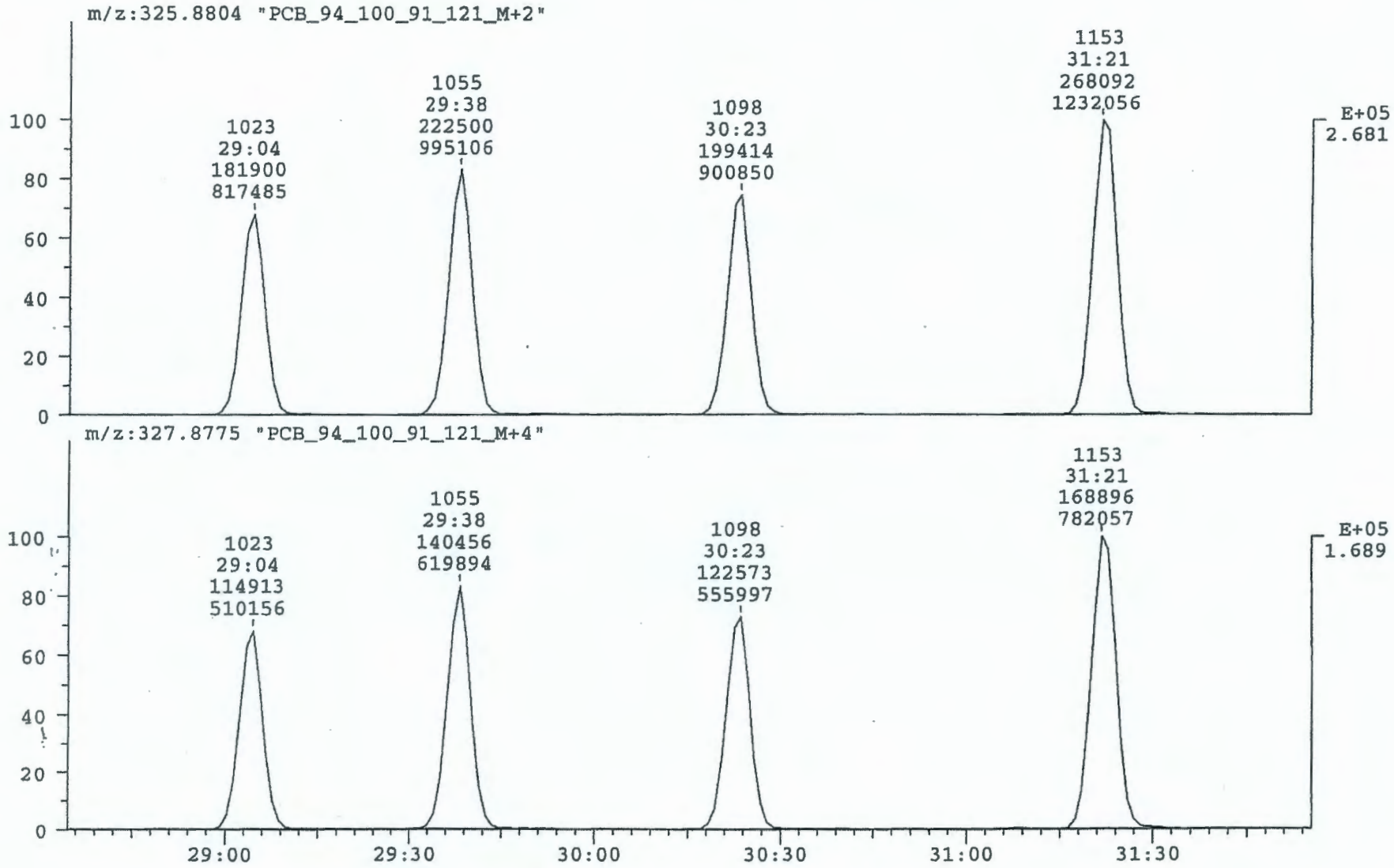
```
CHRO:  a07030722                              07-Mar-07   Elapse:  37:49      1516
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1451 > 1581         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



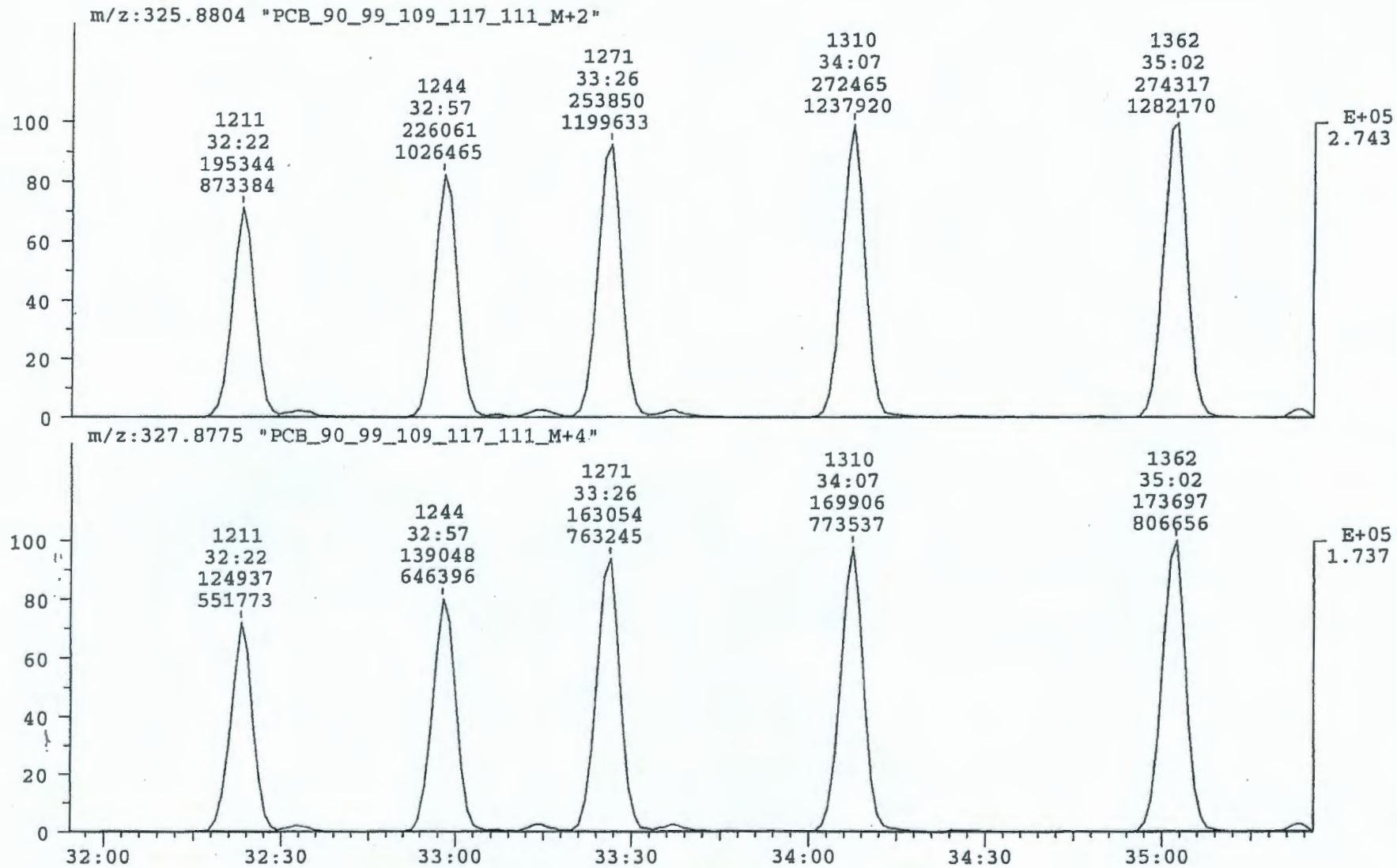
```
CHRO:  a07030722                                07-Mar-07   Elapse:  40:50      1687
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



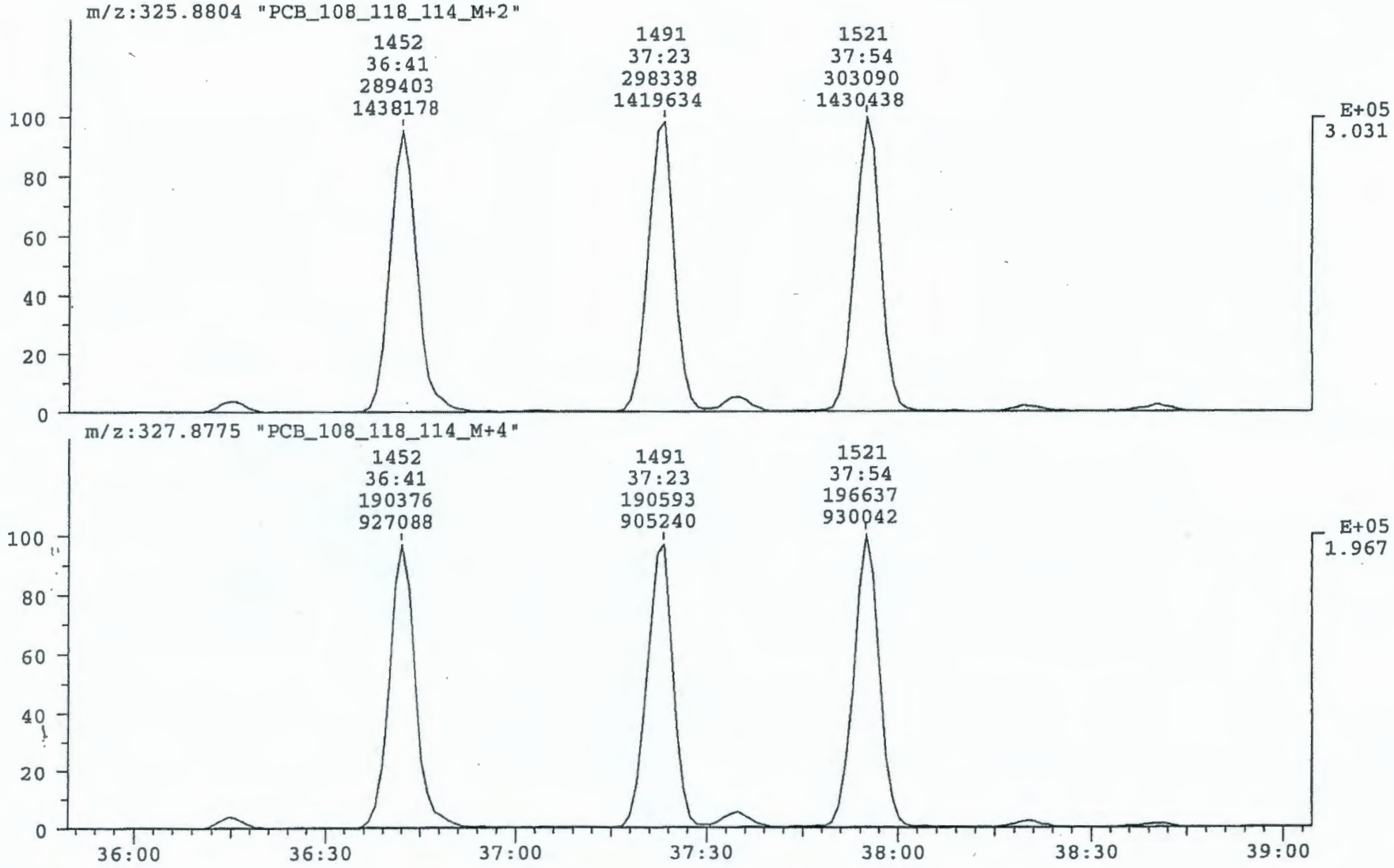
```
CHRO:  a07030722                                07-Mar-07  Elapse:  30:15      1090
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  1668 RT Mix2/Run2
Oper:  DCG          Client:  STL Knoxville                 Inlet :  GC     Vial   4
Peak:  100.00  ppm     Label wndw:   995 > 1185            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



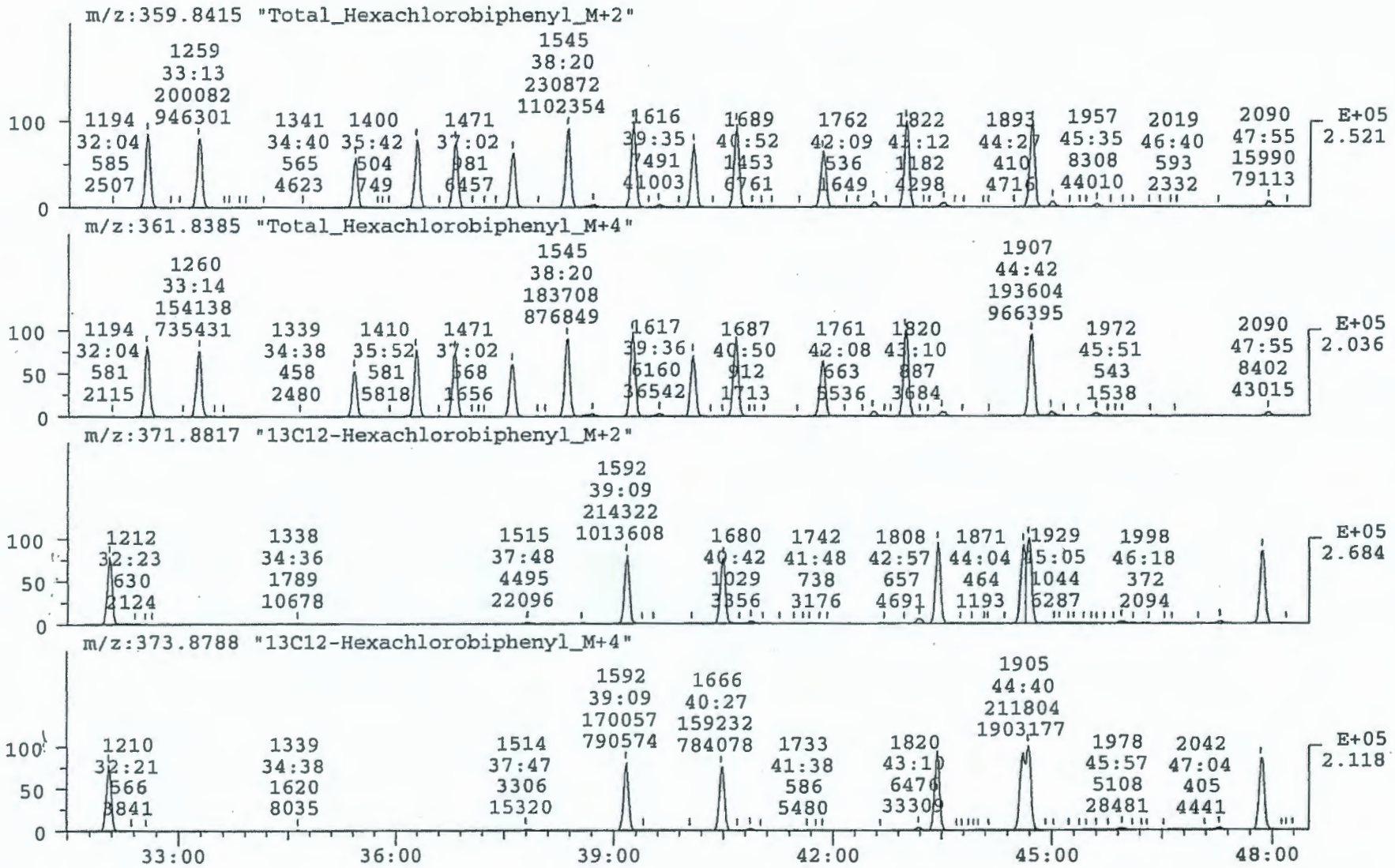
```
CHRO:  a07030722                                07-Mar-07   Elapse:  33:39      1284
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1184 > 1384           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



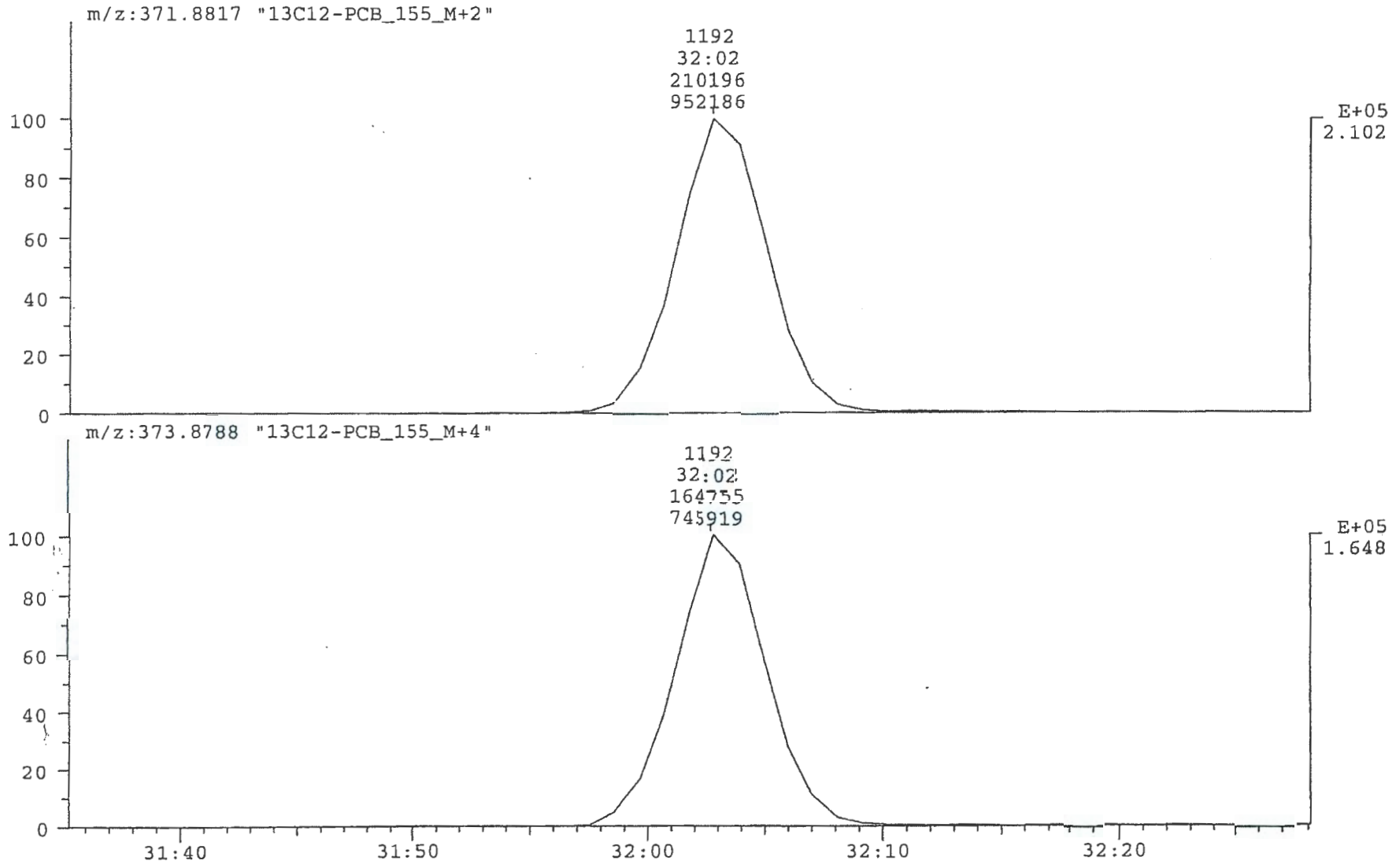
CHRO: a07030722 07-Mar-07 Elapse: 37:29 1497
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 23:13:48 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1407 > 1587 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



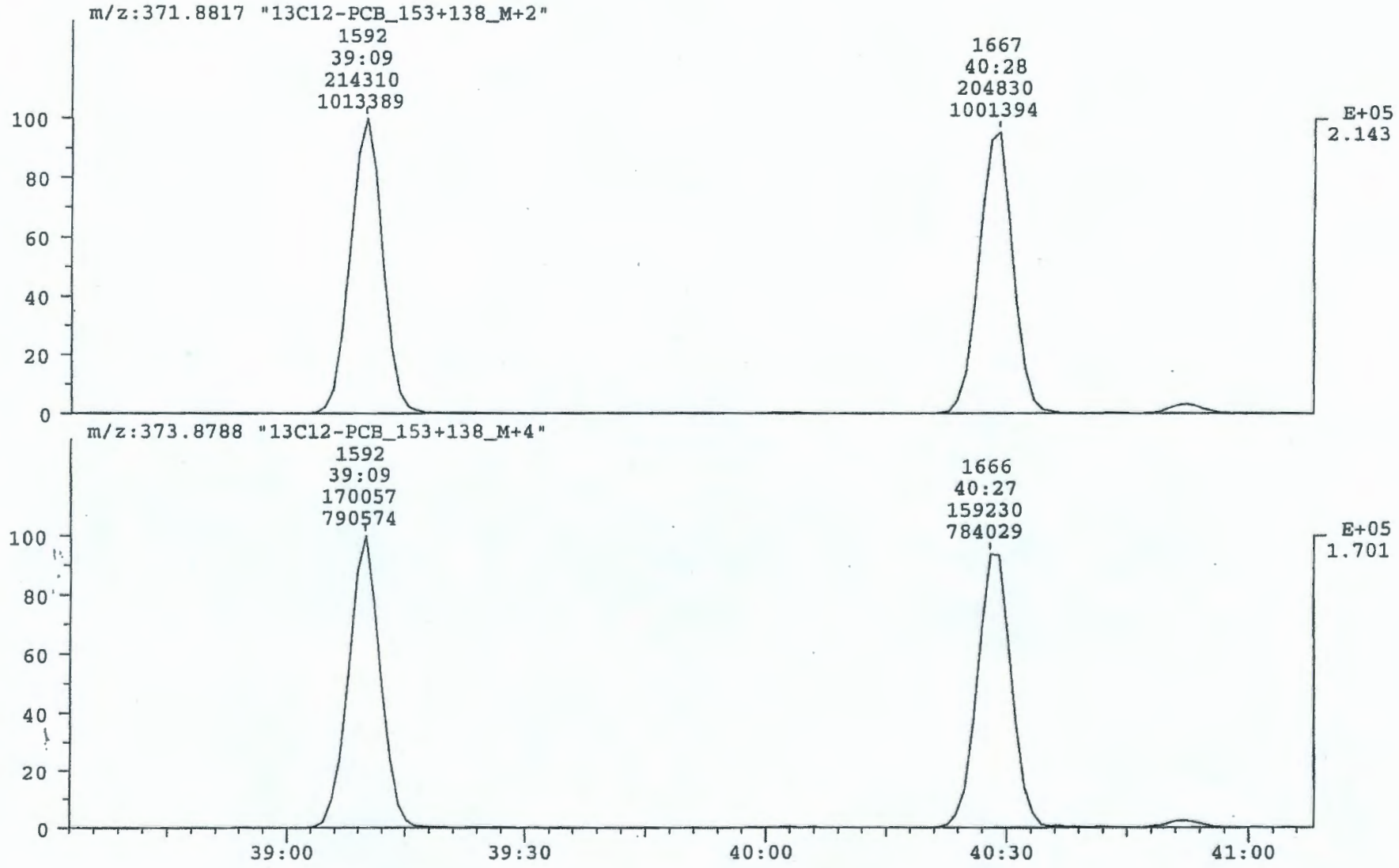
```
CHRO:  a07030722                                07-Mar-07   Elapse:  39:59      1639
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  4
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
```



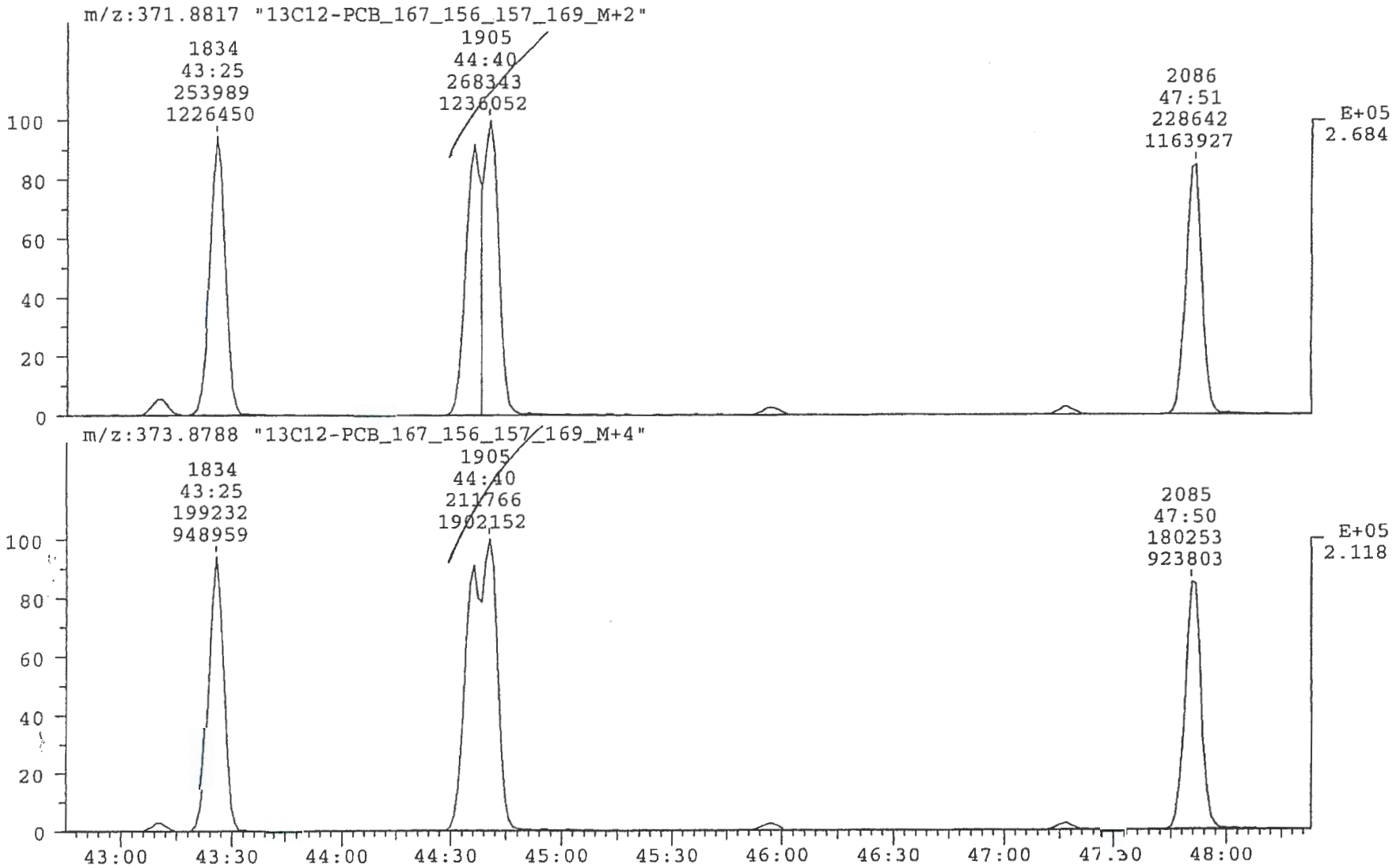
```
CHRO:  a07030722                              07-Mar-07   Elapse:  32:01      1191
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  23:13:48   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
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
```



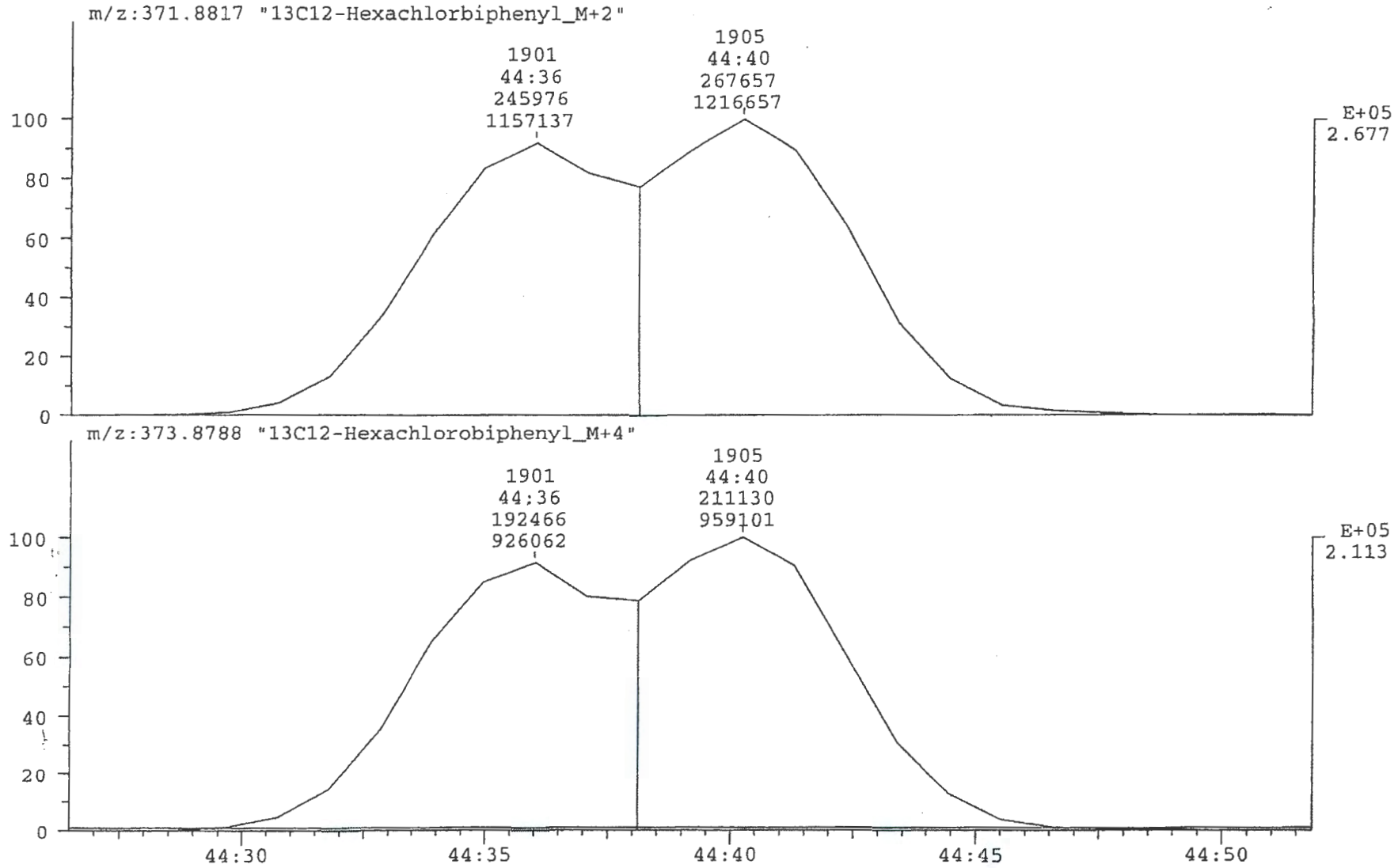
CHRO: a07030722 07-Mar-07 Elapse: 39:49 1630
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 23:13:48 2602
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1557 > 1704 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



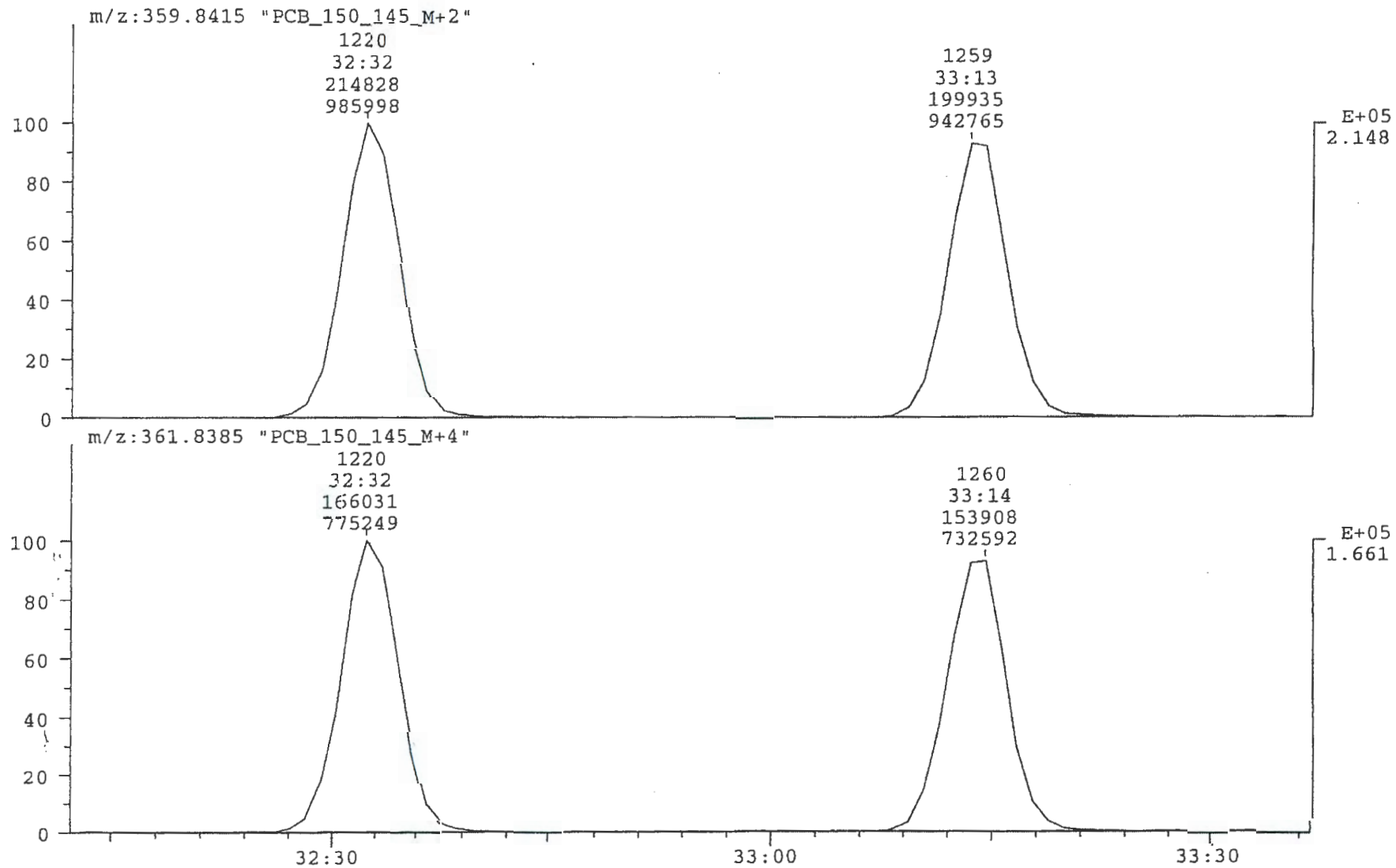
CHRO: a07030722 07-Mar-07 Elapse: 45:39 1961
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 23:13:48 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1796 > 2116 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  a07030722                                07-Mar-07   Elapse:  56:10      2555
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1892 > 1916           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 2                Label :  -3, 3.0
Disp:  Height  Area
```

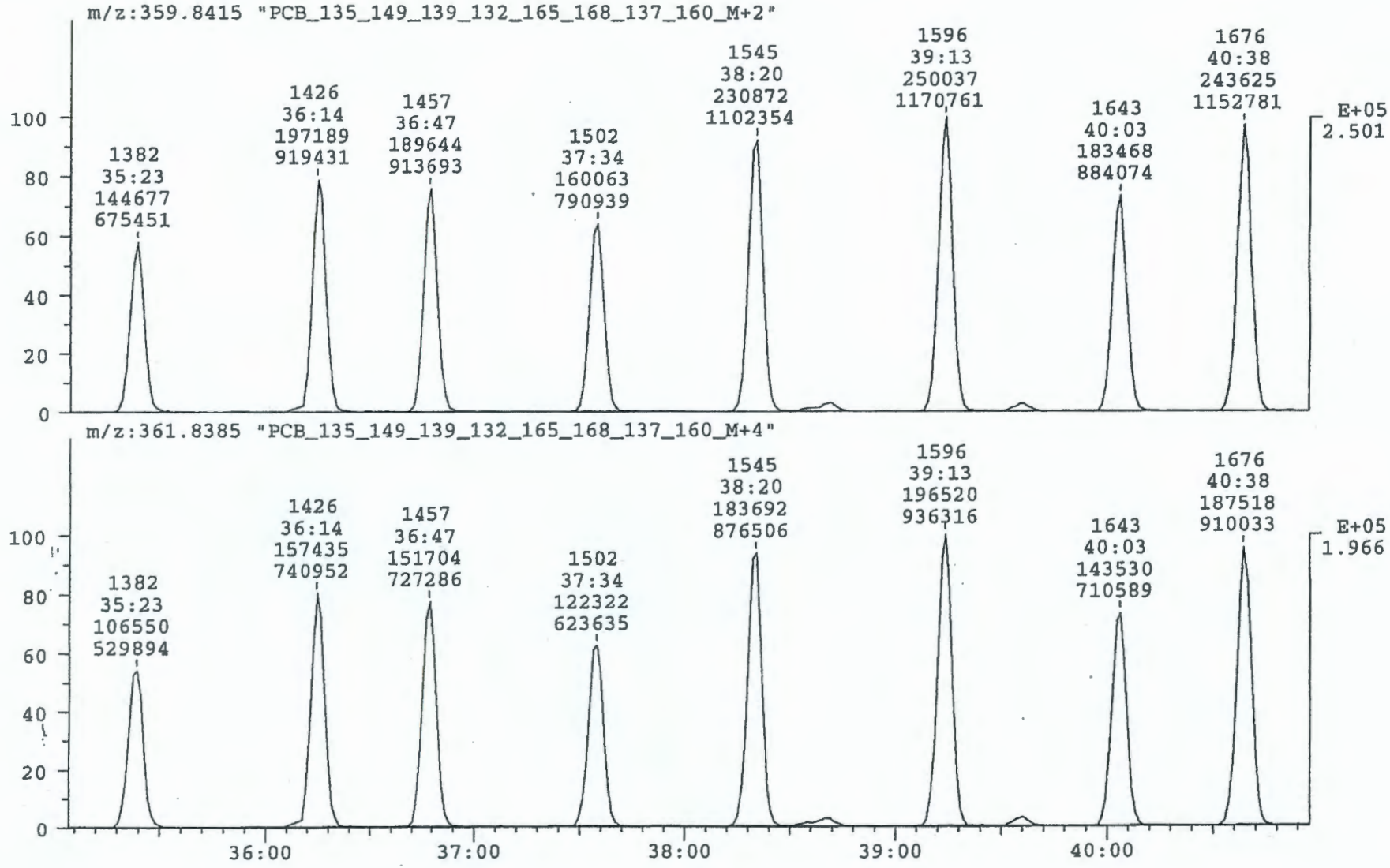


```
CHRO:  a07030722                                07-Mar-07   Elapse:  32:54      1241
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1201 > 1281           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```

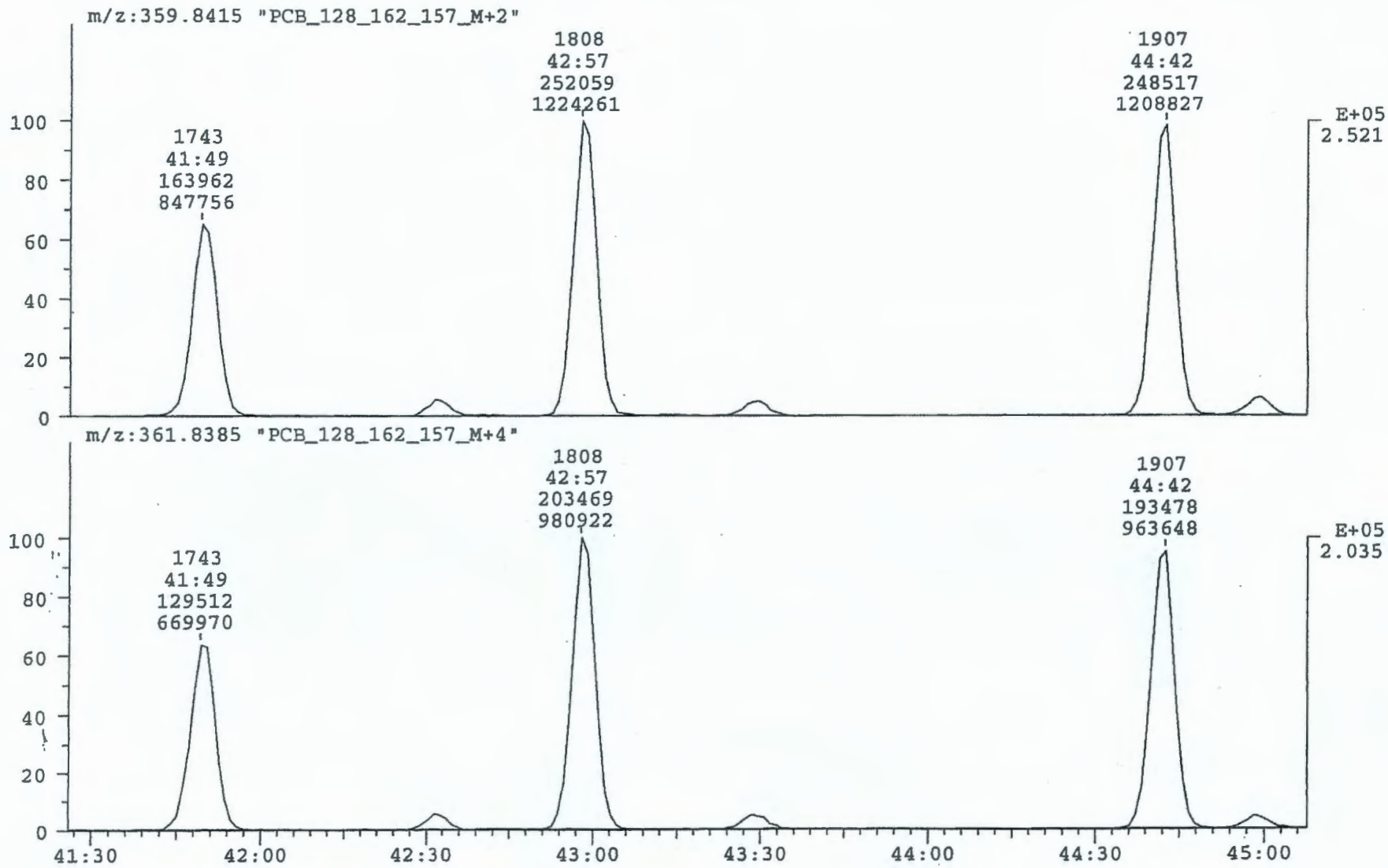



1566

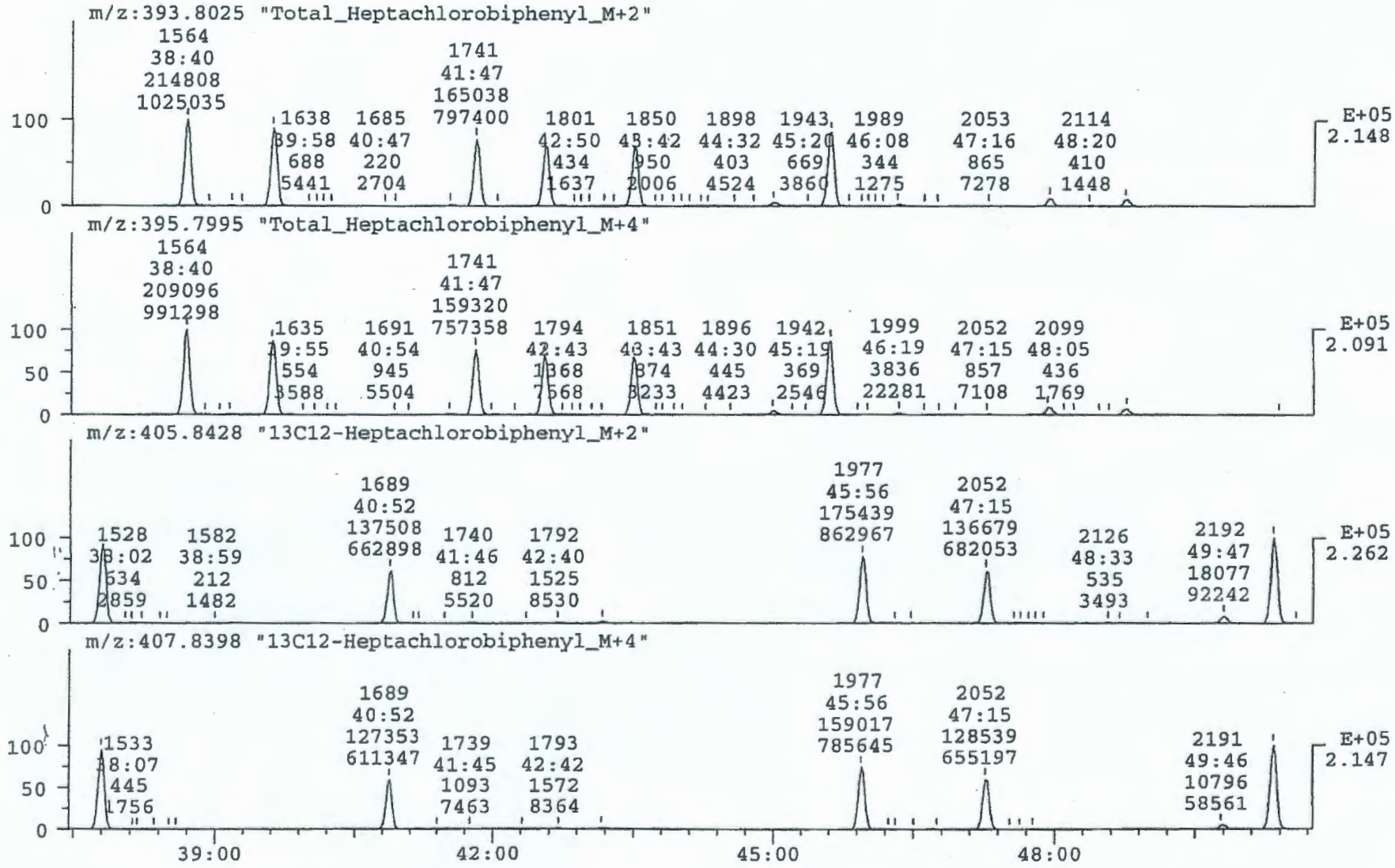
CHRO: a07030722 07-Mar-07 Elapse: 38:03 1529
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 23:13:48 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1364 > 1694 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



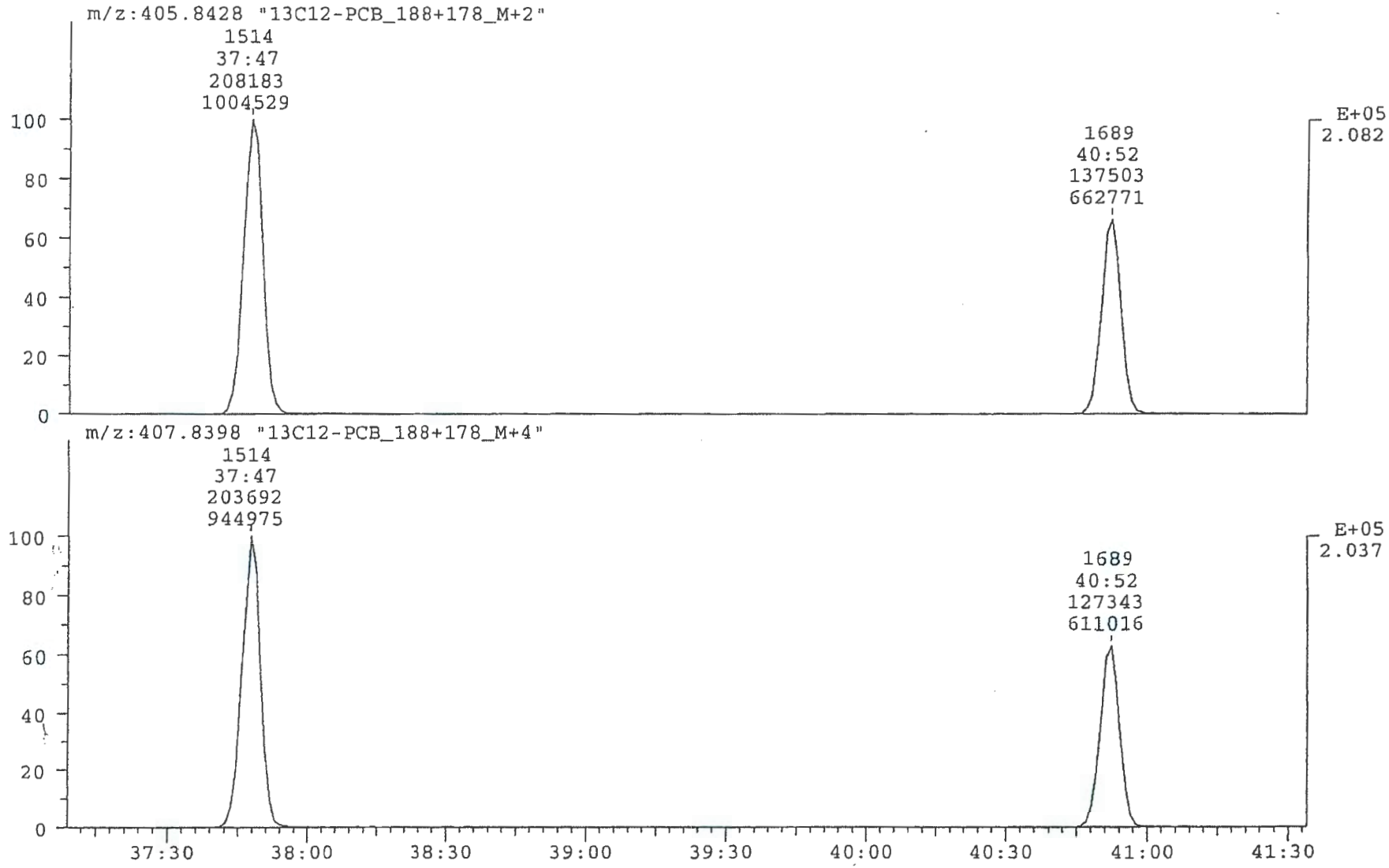
```
CHRO:  a07030722                                07-Mar-07   Elapse:  43:16      1826
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1721 > 1931           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



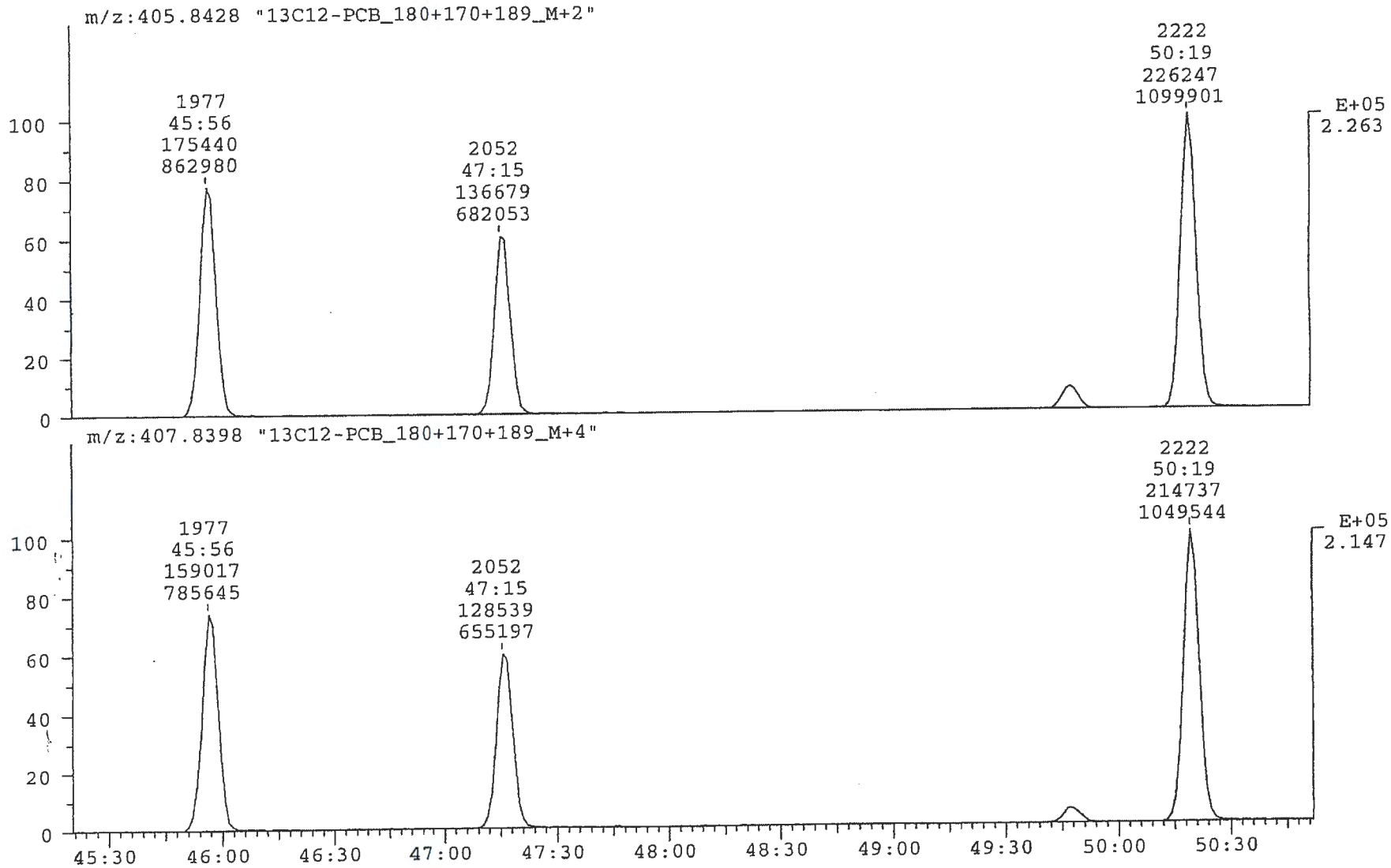
CHRO: a07030722 07-Mar-07 Elapse: 44:06 1873
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 23:13:48 2602
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1495 > 2246 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



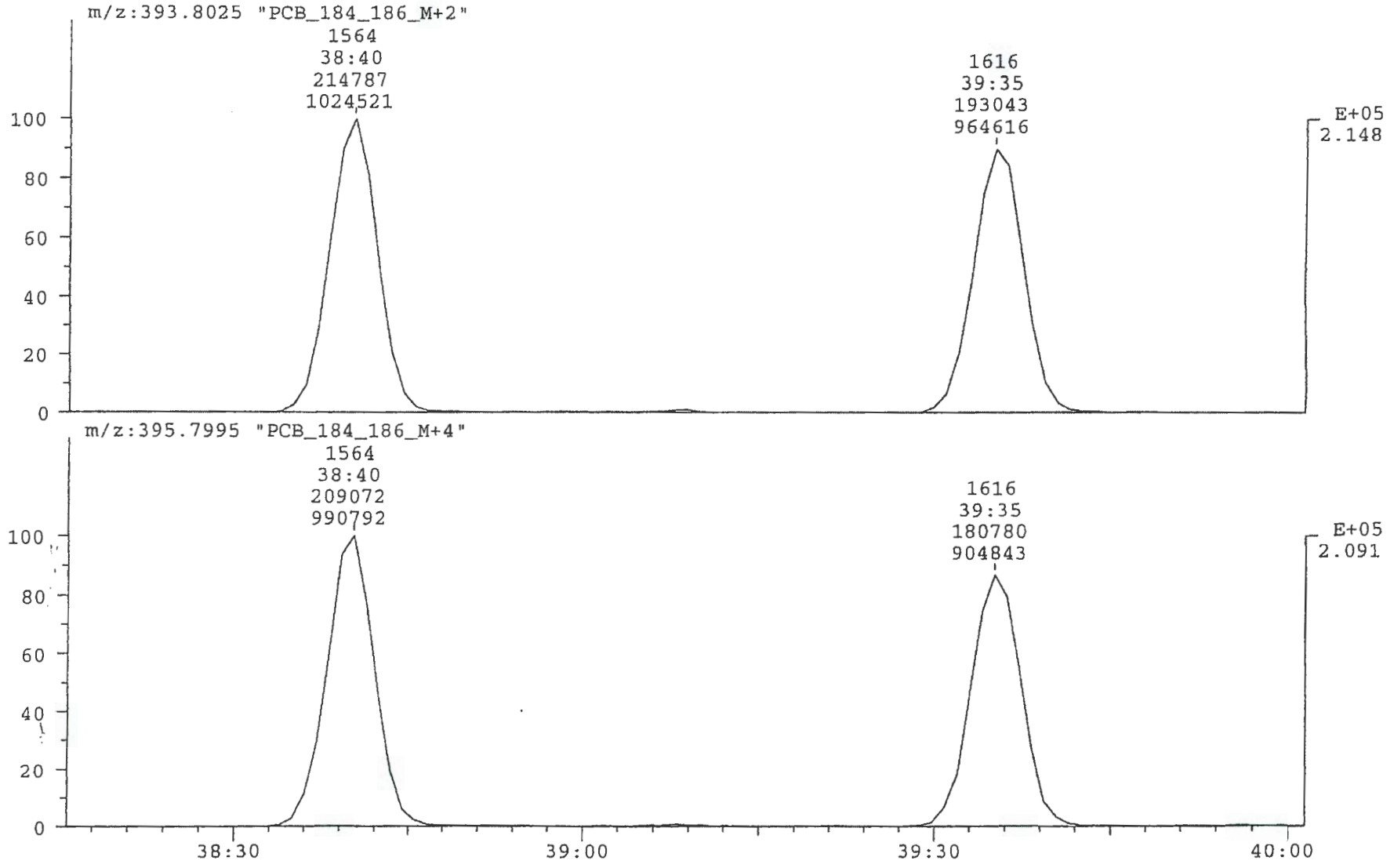
```
CHRO:  a07030722                              07-Mar-07   Elapse:  39:21      1603
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  4
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
```



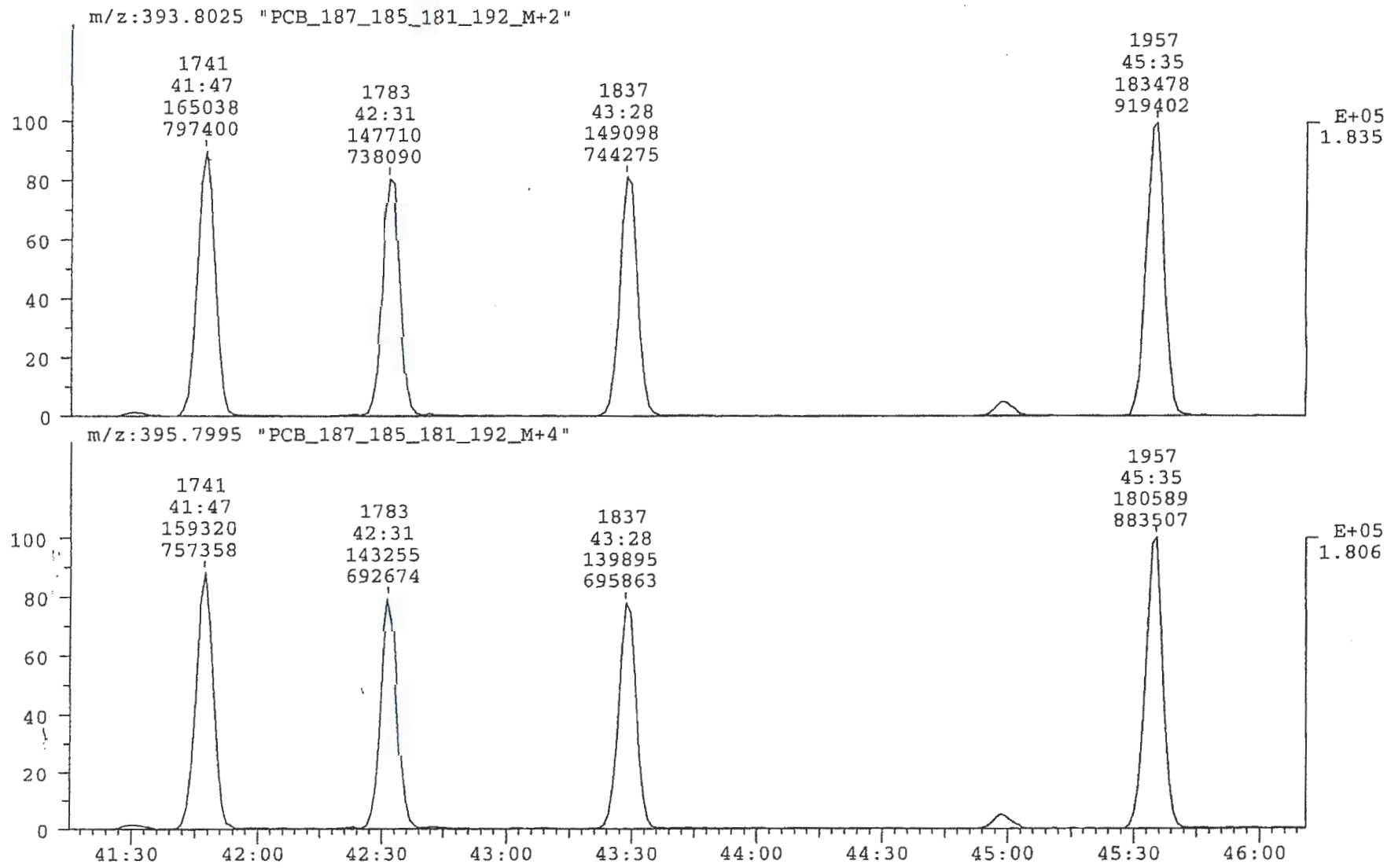
CHRO: a07030722 07-Mar-07 Elapse: 48:09 2103
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 23:13:48 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1943 > 2253 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



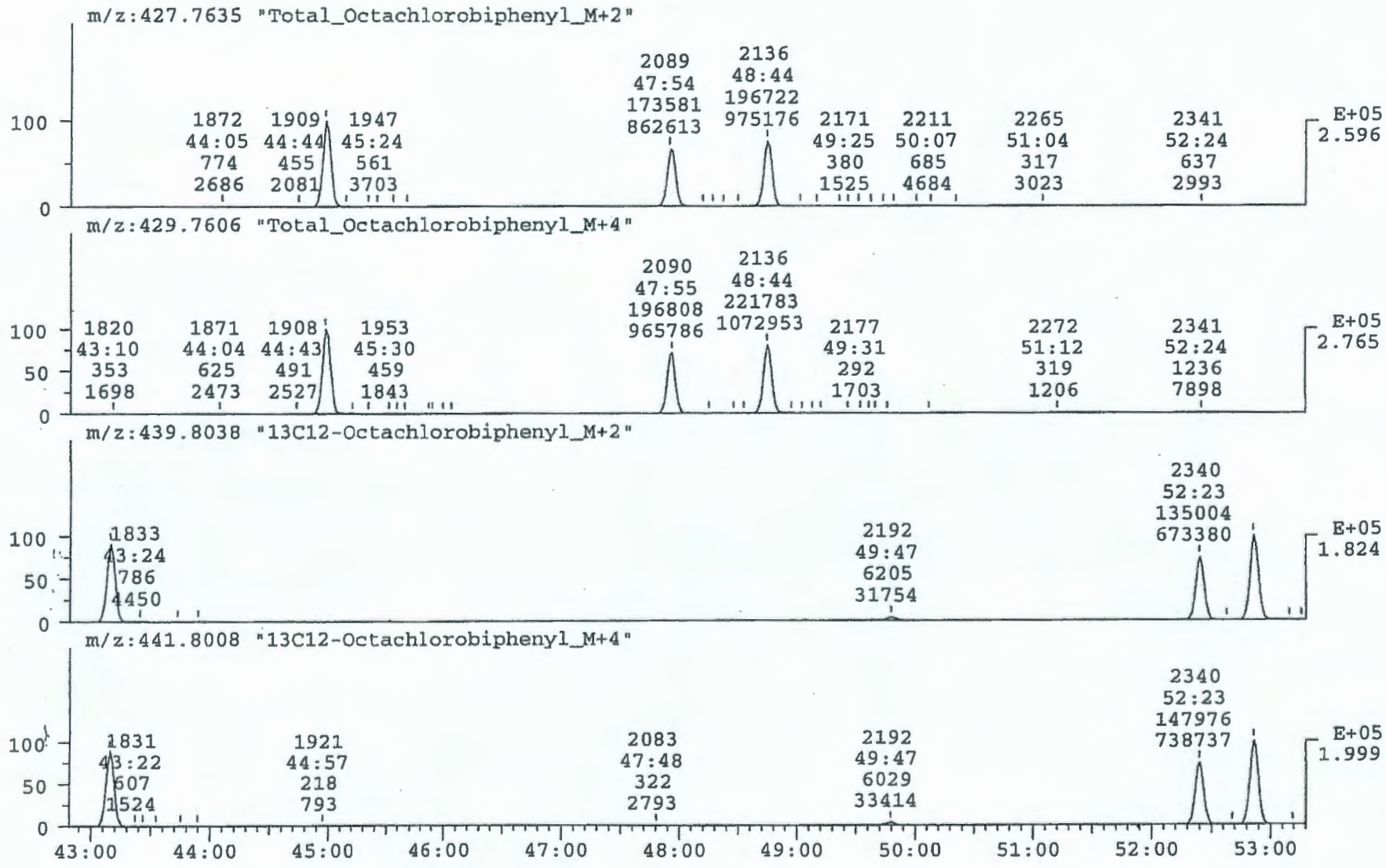
```
CHRO:  a07030722                                07-Mar-07   Elapse:  39:08      1591
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   4
Peak:  100.00  ppm     Label wndw:   1541 > 1641            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



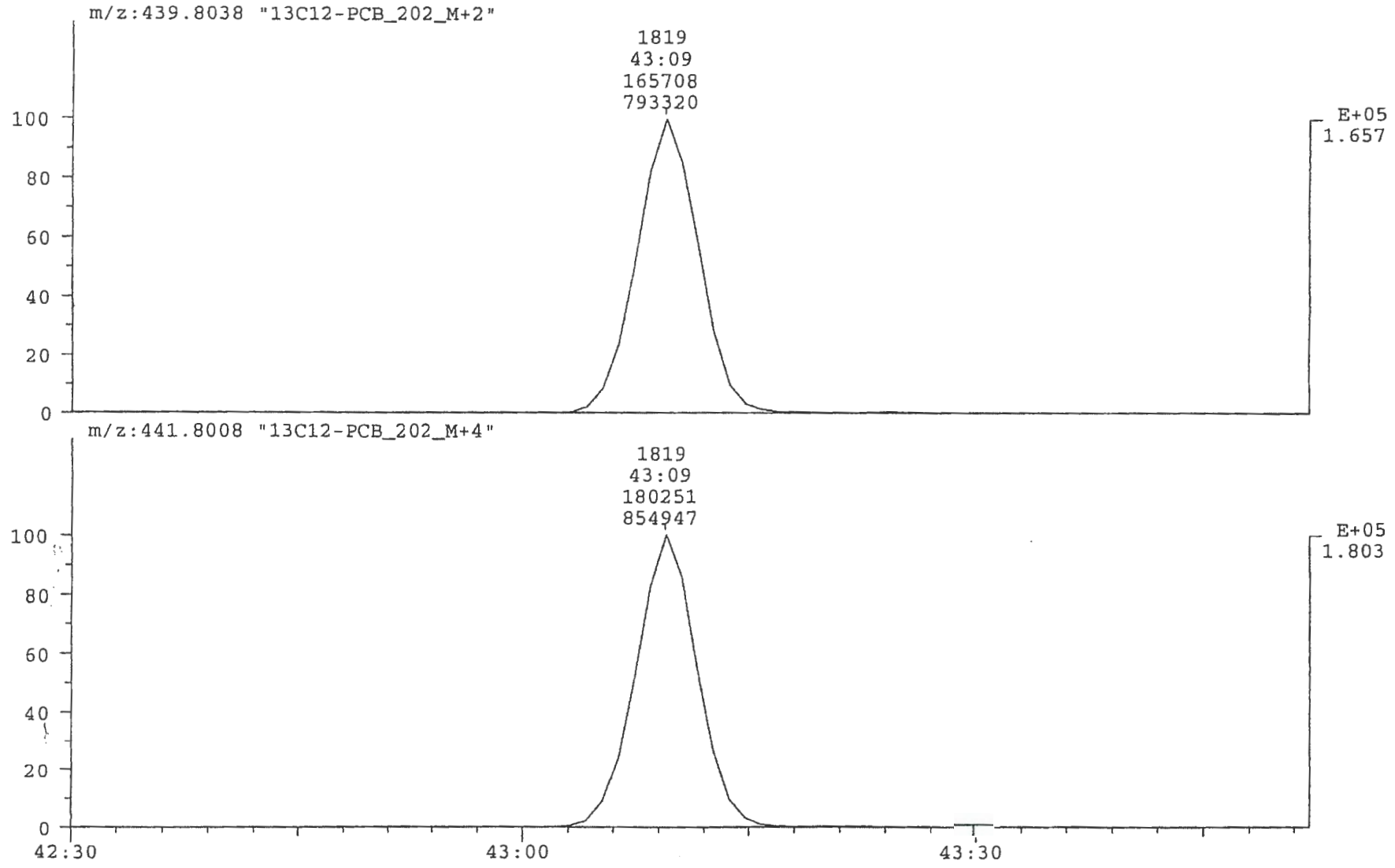
```
CHRO:  a07030722                                07-Mar-07   Elapse:  43:43      1851
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1711 > 1991           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



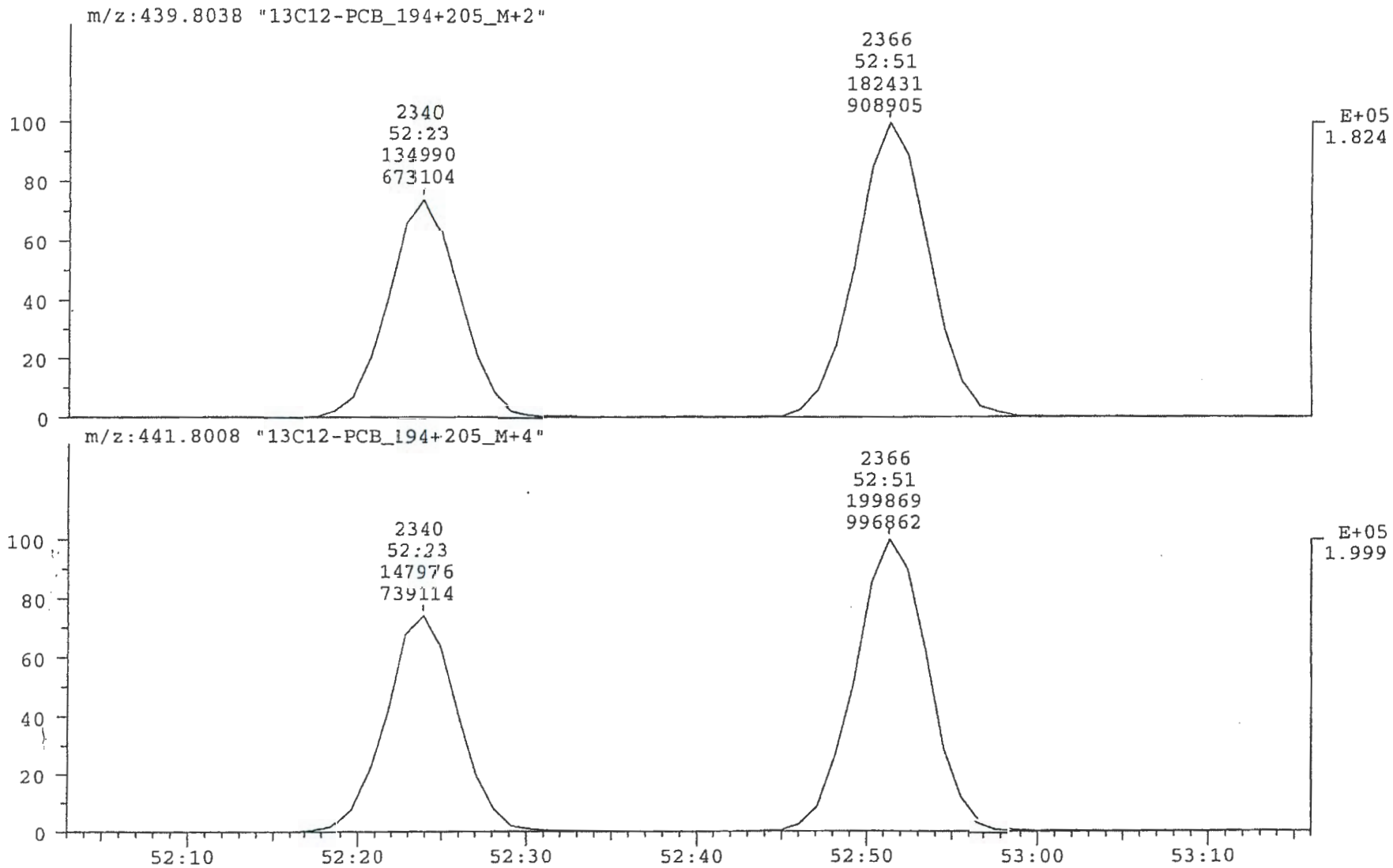
```
CHRO:  a07030722                                07-Mar-07   Elapse:  48:03      2097
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



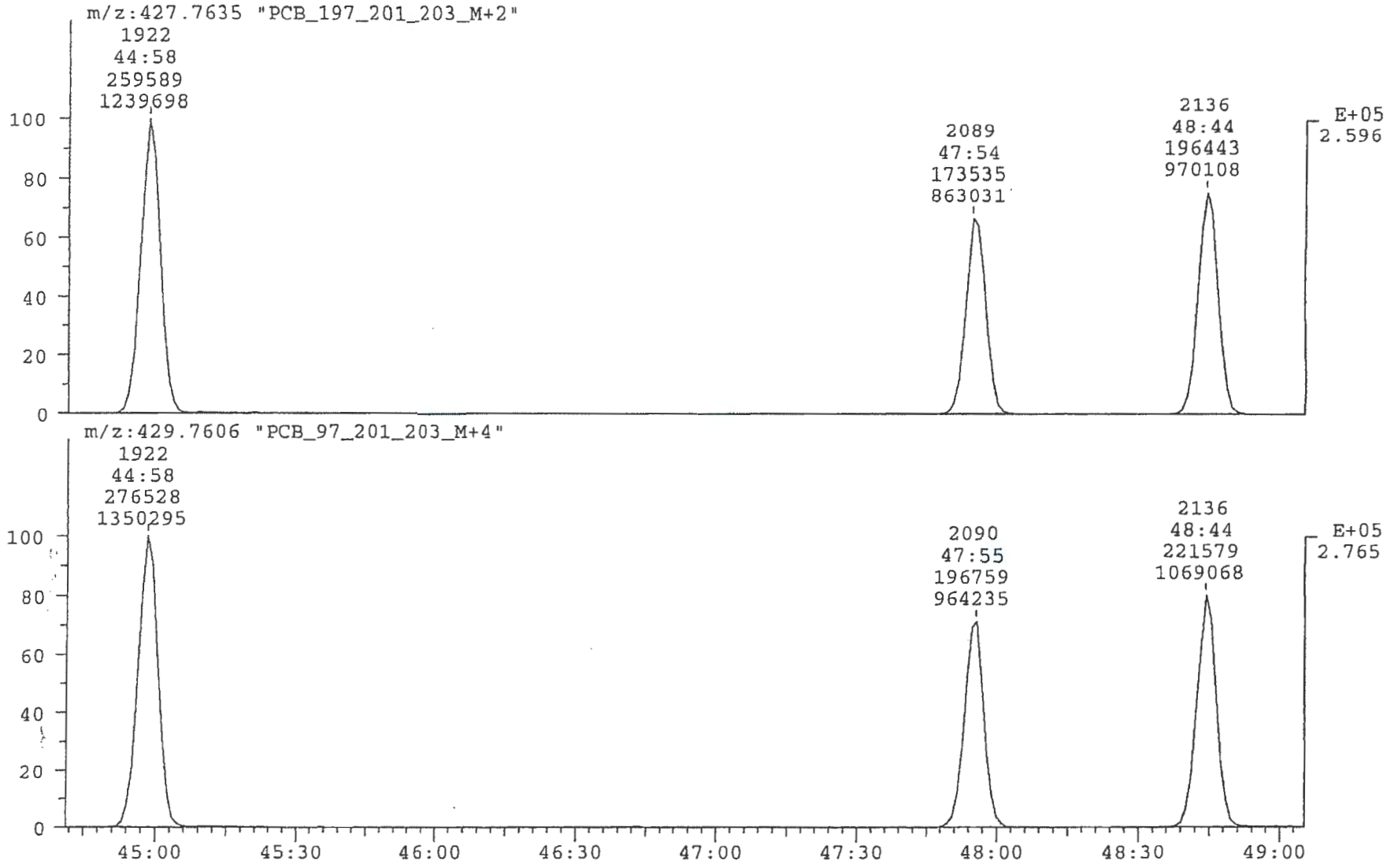
```
CHRO:  a07030722                                07-Mar-07   Elapse:  43:08      1818
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



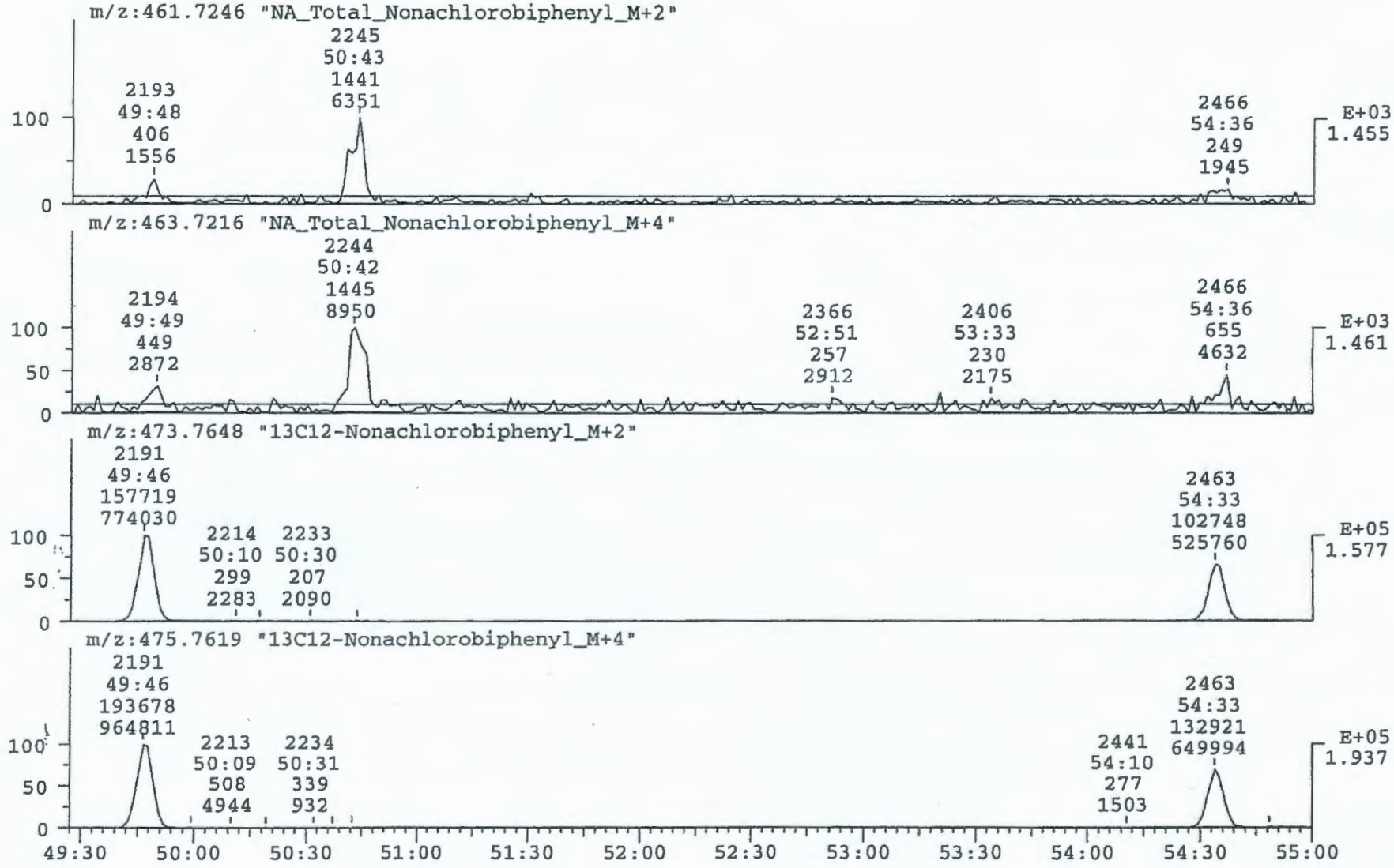
```
CHRO:  a07030722                                07-Mar-07   Elapse:  52:38      2354
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



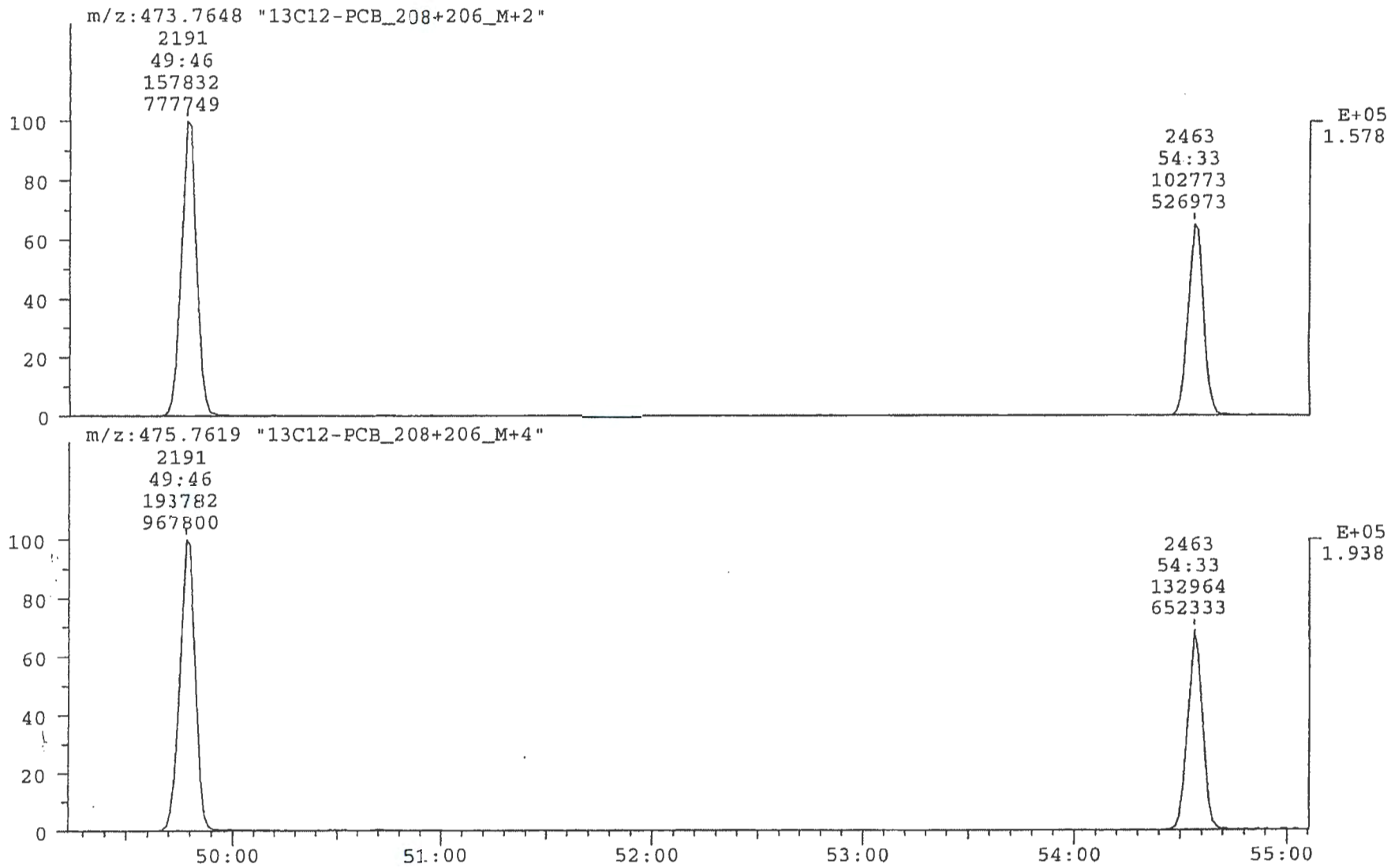
```
CHRO:  a07030722                                07-Mar-07   Elapse:  46:53      2031
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1906 > 2156           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



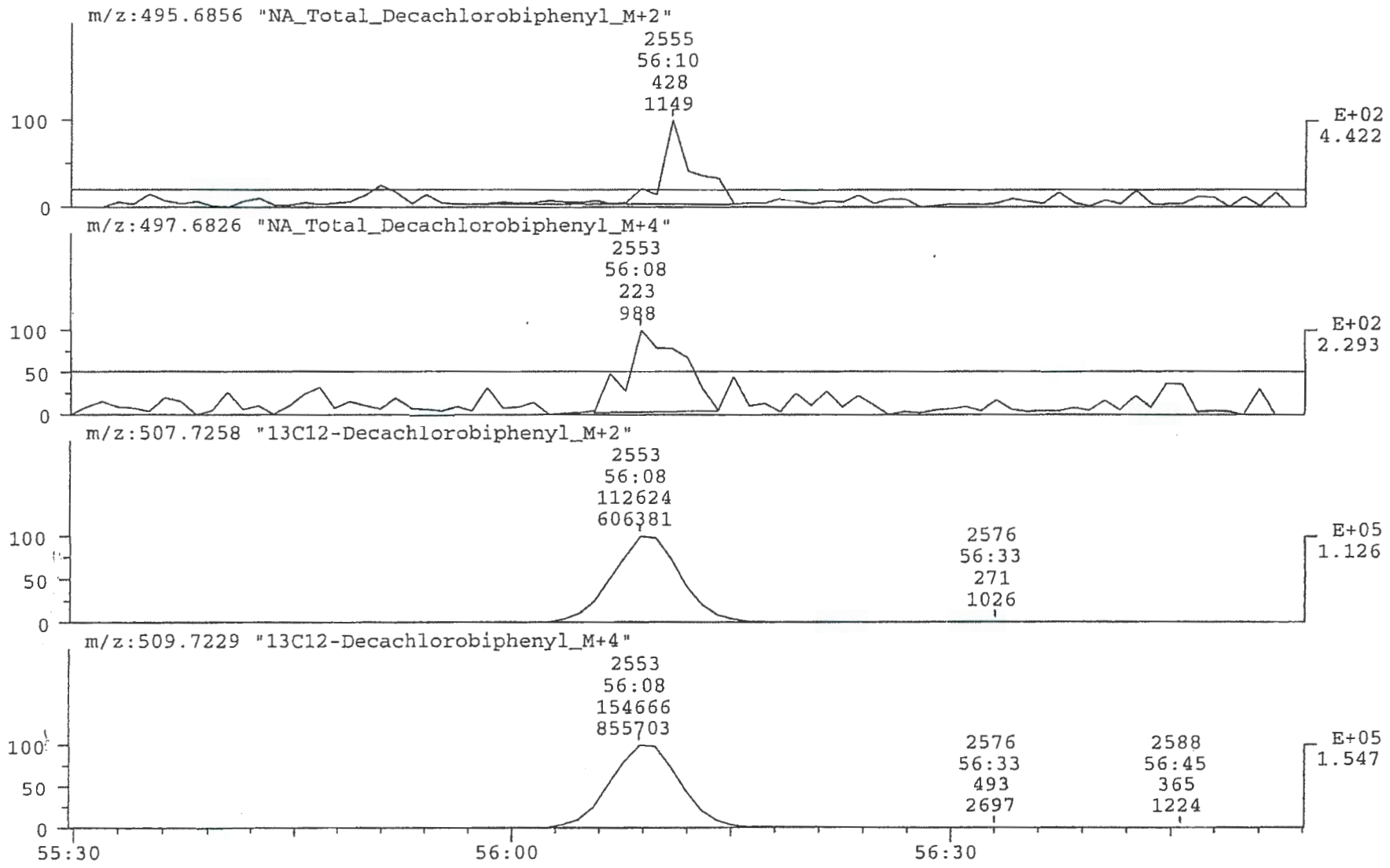
CHRO: a07030722 07-Mar-07 Elapse: 52:13 2330
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 23:13:48 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 2173 > 2488 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  a07030722                          07-Mar-07   Elapse:  52:12      2329
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1           Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                      Study :  1668 RT Mix2/Run2
Oper:  DCG          Client:  STL Knoxville            Inlet :  GC     Vial  4
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:  a07030722                              07-Mar-07   Elapse:  56:11      2556
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  23:13:48   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run2
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  4
Peak:  100.00  ppm     Label wndw:   2516 > 2596          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
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: a07030722
Study: 1668 RT Mix2/Run2
Sample: WO=2990:75Mix2 Meth=IE3 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: STL Knoxville
Comments: Inst=mld/137819-2 Batch=20070307s1 Ccal=20050801i
Injected volume: 2.00
Sample from Vial 4
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 7 of list 070307
ICL procedure: sleep7x
MID procedure: epa1668n

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 | 22:01 min | 14:03 min | 36:04 min | 1.00 sec |
| # 3 | 36:05 min | 13:10 min | 49:15 min | 1.00 sec |
| # 4 | 49:16 min | 7:44 min | 57:00 min | 1.00 sec |

Mid Masses:
Window # 1

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

Window # 2

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

Window # 3

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

Window # 4

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

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

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

GC descriptor : epa1668n

| | | | |
|---|---|---|---|
| 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 | 1032.2528 |
| 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 | -18.7750 |
| DRAWC | 1.0000 | DRAWS | 0.0050 | ECORR | 0.9999 |
| ECURR | 1.0000 | EDAC | 7969177.0000 | EDACG | 0.9999 |
| EDACR | 23.0000 | EDACZ | 1160.0000 | ELEN | 67.4250 |
| EMULT | 1.5500 | ENS | 180.0000 | ERATIO | 1.0000 |
| ESA | 763.8000 | ESICUR | 10.0011 | ESIPAR | 0.0000 |
| EXS | 144.0000 | FDMA | 18000000.0000 | FLENS | 1.0000 |
| FM | 20.0000 | FMII | 50.0000 | FQUAD | 0.0000 |
| FREQ | 300.4808 | FSLOPE | 54000000.0000 | FVANAL | 255.0000 |
| FVINLET | 257.0000 | FVSRC | 831.0000 | FWIN | 0.7000 |
| GCTC | 205.0000 | GCTI | 270.0000 | GCTL | 280.0000 |
| HACCU | 208.0000 | HCURR | 1.1961 | HVANAL | 1307.0000 |
| HVSRC | 0.0000 | ICAL0 | 0.0011 | ICAL1 | 0.4030 |
| ICAL2 | 0.5865 | IONEN | 4771.6680 | 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 | 1800.0000 | LENSS | 21.0000 |
| LKM | 404.9760 | LM | 800.0000 | LMASS | 180.4888 |
| LMII | 500.0000 | MASS | 180.4888 | MDAC | 2346712.5794 |

| | | | | | |
|---|---|---|---|---|---|
| MDACR | 23.0000 | MRANGE | 1032.2528 | MSFM | 2.0000 |
| MSLM | 3790.0000 | NPEAK | 1.0000 | NSAM | 100.0000 |
| NSCAN | 2605.0000 | NSMAX | 8.0000 | NSMIN | 2.0000 |
| OCT | -2.0000 | PSAM | 10.0000 | PUSHER | -10.0000 |
| RDRAW | 0.0000 | RDRAWC | 0.0000 | RECURR | 0.0000 |
| RELEN | 0.0000 | RES | 10314.6723 | RFAMP | 799.9987 |
| RFCUR | 100.0110 | RPUSHER | 0.0000 | RWIN | 2.0000 |
| SACCU | 3.0000 | SCIDLE | 1.0000 | SHIELD | 2918.0000 |
| SHIELDS | 0.0000 | SHIGH | 180.0000 | SKIM | 7.0000 |
| SLOW | 60.0000 | SPRAY | 8.0000 | SS | 3.0000 |
| SW | 0.0500 | TANAL | 420.8000 | TCURR | 0.7422 |
| 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 | 2.1750 | USERVAR | 0.0000 | VAPTEMP | 599.9997 |
| VAPTSET | 400.0000 | VMASS | 180.4888 | XLENS | 2000.0000 |
| XLENSS | -34.8000 | YLENS | 2600.0000 | YLENSS | -24.8000 |

Scantype is electric
Sourcemode is EI POS

Analysis started at: 07-Mar-07 23:13:48.3

Autosampler has injected sample from vial 4
MID Time Window 1: Resolution is 7541
MID Time Window 2: Resolution is 8966
MID Time Window 3: Resolution is 9024
MID Time Window 4: Resolution is 9203
Analysis stopped at: 08-Mar-07 00:10:50.9 (run time 57.02 minutes)
Analysis stopped because MID run finished

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# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX2 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030723. | Prep Date | | SDG No | |
| Analysis ID | 96244 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 04:22 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | | | | | 188.0393 | 190.0363 | 188.0393 | 190.0363 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 200 | | | | | 200.0795 | 202.0766 | 200.0795 | 202.0766 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 220 | 293 | 88 | 117 | 0.75 * | / | |
| | 13C12-PCB 1 | 12:12 | 00:00 | 0 | 2311918 | 727595 | 878622 | 265548 | 3.18 | AVV/AVV | |
| | 13C12-PCB 3 | 14:24 | 00:00 | 0 | 2261169 | 706752 | 714604 | 224114 | 3.20 | AVV/AVV | |
| 222 | | | | | 222.0003 | 223.9974 | 222.0003 | 223.9974 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 253 | 525 | 101 | 210 | 0.48 * | / | |
| | PCB 7 (BZ) | 16:50 | 00:00 | 0 | 875582 | 561855 | 262582 | 163001 | 1.56 | ABV/AVV | D |
| | PCB 5 (BZ) | 17:26 | 00:00 | 0 | 841178 | 525538 | 242211 | 147647 | 1.60 | AVV/AVV | |
| | PCB 12 (BZ) | 20:22 | 00:00 | 0 | 831659 | 554151 | 223203 | 139245 | 1.50 | ABV/AVV | M |
| 234 | | | | | 234.0406 | 236.0376 | 234.0406 | 236.0376 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 398 | 225 | 159 | 90 | 1.77 | / | |
| | 13C12-PCB 4 | 14:42 | 00:00 | 0 | 963593 | 604628 | 318342 | 197337 | 1.59 | AVV/AVV | |
| | 13C12-PCB 9 | 16:39 | 00:00 | 0 | 1689799 | 1053938 | 508408 | 314552 | 1.60 | ABV/AVV | |
| | 13C12-PCB 8 | 17:32 | 00:00 | 0 | 1769806 | 1079584 | 494486 | 292395 | 1.64 | AVV/AVV | |
| | 13C12-PCB 15 | 20:40 | 00:00 | 0 | 1688980 | 1073766 | 433478 | 278451 | 1.57 | ABV/ABV | |
| 256 | | | | | 255.9613 | 257.9584 | 255.9613 | 257.9584 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 155 | 163 | 62 | 65 | 0.95 | / | |
| | PCB 18 (BZ) | 19:45 | 00:00 | 0 | 363275 | 341115 | 95942 | 88146 | 1.06 | ABV/ABV | |
| | PCB 24 (BZ) | 20:31 | 00:00 | 0 | 523281 | 492770 | 132060 | 125242 | 1.06 | ABV/AVV | |
| | PCB 23 (BZ) | 22:30 | 00:00 | 0 | 768028 | 749797 | 195083 | 183851 | 1.02 | AVV/AVV | |
| | PCB 28 (BZ) | 23:42 | 00:00 | 0 | 808709 | 788360 | 199802 | 189764 | 1.03 | ABV/ABV | D |
| | PCB 22 (BZ) | 24:23 | 00:00 | 0 | 775051 | 757835 | 181352 | 183429 | 1.02 | AVV/AVV | D |
| | PCB 39 (BZ) | 26:15 | 00:00 | 0 | 883075 | 842421 | 189719 | 183747 | 1.05 | ABV/ABV | D |
| 268 | | | | | 268.0016 | 269.9986 | 268.0016 | 269.9986 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 605 | 318 | 242 | 127 | 1.91 * | / | |
| | 13C12-PCB 19 | 17:52 | 00:00 | 0 | 581277 | 541389 | 159963 | 147543 | 1.07 | AVV/AVV | |
| | 13C12-PCB 32 | 21:08 | 00:00 | 0 | 1076120 | 1004570 | 263779 | 253356 | 1.07 | ABV/AVV | |
| | 13C12-PCB 31 | 23:23 | 00:00 | 0 | 1667128 | 1558829 | 405941 | 383999 | 1.07 | ABV/ABV | |
| | 13C12-PCB 28 | 23:41 | 00:00 | 0 | 1537051 | 1472329 | 363021 | 348115 | 1.04 | AVV/AVV | |
| | 13C12-PCB 37 | 27:46 | 00:00 | 0 | 1425319 | 1339645 | 315458 | 295483 | 1.06 | ABV/ABV | |
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 178 | 285 | 71 | 114 | 0.62 * | / | |
| | PCB 53 (BZ) | 23:10 | 00:00 | 0 | 797782 | 1013675 | 195028 | 245583 | 0.79 | ABV/ABV | M |
| | PCB 51 (BZ) | 23:55 | 00:00 | 0 | 824586 | 1035498 | 207835 | 260020 | 0.80 | ABV/ABV | M |
| | PCB 73 (BZ) | 25:40 | 00:00 | 0 | 1039941 | 1312381 | 239251 | 296304 | 0.79 | ABV/ABV | |
| | PCB 48 (BZ) | 26:18 | 00:00 | 0 | 802385 | 1020815 | 184189 | 235763 | 0.79 | AVV/ABV | |
| | PCB 62 (BZ) | 26:48 | 00:00 | 0 | 1024838 | 1289253 | 235889 | 290189 | 0.79 | AVV/AVV | |
| | PCB 71 (BZ) | 27:36 | 00:00 | 0 | 1104521 | 1409190 | 248556 | 318303 | 0.78 | AVV/AVV | D |
| | PCB 68 (BZ) | 28:51 | 00:00 | 0 | 1123778 | 1423605 | 254664 | 326908 | 0.79 | ABV/ABV | D |
| | PCB 58 (BZ) | 29:35 | 00:00 | 0 | 1141635 | 1429736 | 242181 | 302176 | 0.80 | AVV/AVV | D |
| | PCB 61 (BZ) | 30:12 | 00:00 | 0 | 1019365 | 1298708 | 221780 | 284811 | 0.78 | AVV/ABV | D |
| | PCB 55 (BZ) | 30:52 | 00:00 | 0 | 1063434 | 1353460 | 232322 | 297686 | 0.79 | AVV/AVV | D |

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

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# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX2 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030723. | Prep Date | | SDG No | |
| Analysis ID | 96244 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 04:22 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | PCB 60 (BZ) | 31:35 | 00:00 | 0 | 1089458 | 1388556 | 234714 | 295443 | 0.78 | AVV/AVV | D |
| 302 | | | | | 301.9626 | 303.9597 | 301.9626 | 303.9597 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 165 | 140 | 66 | 56 | 1.18 * | / | |
| | 13C12-PCB 54 | 21:01 | 00:00 | 0 | 508020 | 638096 | 131761 | 164848 | 0.80 | ABV/ABV | |
| | 13C12-PCB 52 | 25:32 | 00:00 | 0 | 783156 | 967033 | 189935 | 230518 | 0.81 | ABV/ABV | |
| | 13C12-PCB 79 | 33:27 | 00:00 | 0 | 1124686 | 1434394 | 240928 | 301986 | 0.78 | ABV/ABV | |
| | 13C12-PCB 81 | 34:29 | 00:00 | 0 | 977221 | 1218921 | 203807 | 255191 | 0.80 | ABV/ABV | D |
| | 13C12-PCB 77 | 35:05 | 00:00 | 0 | 1017608 | 1269335 | 210739 | 259286 | 0.80 | AVV/ABB | D |
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 250 | 178 | 100 | 71 | 1.41 | / | |
| | PCB 94 (BZ) | 29:02 | 00:00 | 0 | 800116 | 506673 | 178909 | 114212 | 1.58 | ABV/ABV | D |
| | PCB 100 (BZ) | 29:36 | 00:00 | 0 | 977475 | 615642 | 208753 | 129716 | 1.59 | ABV/AVV | |
| | PCB 91 (BZ) | 30:21 | 00:00 | 0 | 874607 | 562083 | 199193 | 126030 | 1.56 | AVV/AVV | D |
| | PCB 121 (BZ) | 31:20 | 00:00 | 0 | 1226274 | 774675 | 278033 | 170785 | 1.58 | ABV/ABV | D |
| | PCB 90 (BZ) | 32:21 | 00:00 | 0 | 868435 | 538232 | 194497 | 119597 | 1.61 | ABV/ABV | DM |
| | PCB 99 (BZ) | 32:56 | 00:00 | 0 | 1023043 | 649530 | 225222 | 138238 | 1.58 | AVV/AVV | DM |
| | PCB 109 (BZ)/108 (IUPAC | 33:24 | 00:00 | 0 | 1196693 | 749173 | 252659 | 168374 | 1.60 | AVV/AVV | |
| | PCB 117 (BZ) | 34:05 | 00:00 | 0 | 1218552 | 759548 | 256673 | 162542 | 1.60 | AVV/ABV | D |
| | PCB 111 (BZ) | 35:00 | 00:00 | 0 | 1292846 | 801421 | 282169 | 173899 | 1.61 | ABB/ABV | D |
| | PCB 108 (BZ)/107 (IUPAC | 36:40 | 00:00 | 0 | 1429028 | 924350 | 294893 | 185371 | 1.55 | ABV/ABV | DM |
| | PCB 118 (BZ) | 37:20 | 00:00 | 0 | 1410075 | 902957 | 294916 | 194398 | 1.56 | AVV/AVV | |
| | PCB 114 (BZ) | 37:53 | 00:00 | 0 | 1448222 | 927869 | 307055 | 192916 | 1.56 | AVV/AVV | |
| 338 | | | | | 337.9207 | 339.9178 | 337.9207 | 339.9178 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 153 | 148 | 61 | 59 | 1.03 * | / | |
| | 13C12-PCB 104 | 26:28 | 00:00 | 0 | 1150871 | 722853 | 265947 | 169251 | 1.59 | ABV/ABV | D |
| | 13C12-PCB 95 | 29:29 | 00:00 | 0 | 888535 | 542315 | 196518 | 121453 | 1.64 | AVV/ABV | D |
| | 13C12-PCB 101 | 32:20 | 00:00 | 0 | 928298 | 574955 | 201545 | 121676 | 1.61 | ABV/AVV | |
| | 13C12-PCB 111 | 34:59 | 00:00 | 0 | 1176123 | 731194 | 250366 | 152590 | 1.61 | ABV/ABV | |
| | 13C12-PCB 123 | 37:00 | 00:00 | 0 | 1382623 | 869853 | 282809 | 179397 | 1.59 | ABV/ABV | D |
| | 13C12-PCB 118 | 37:19 | 00:00 | 0 | 1442400 | 900367 | 307877 | 192679 | 1.60 | AVV/AVV | D |
| | 13C12-PCB 114 | 37:52 | 00:00 | 0 | 1431140 | 896269 | 285965 | 183847 | 1.60 | AVV/AVV | D |
| | 13C12-PCB 105 | 38:34 | 00:00 | 0 | 1380429 | 855297 | 289320 | 179792 | 1.61 | ABV/AVV | D |
| | 13C12-PCB 127 | 39:57 | 00:00 | 0 | 1542571 | 954501 | 322924 | 200231 | 1.62 | ABV/ABV | |
| | 13C12-PCB 126 | 41:38 | 00:00 | 0 | 1463520 | 914037 | 294354 | 181782 | 1.60 | ABV/ABV | D |
| 360 | | | | | 359.8415 | 361.8385 | 359.8415 | 361.8385 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 195 | 210 | 78 | 84 | 0.93 * | / | |
| | PCB 150 (BZ) | 32:31 | 00:00 | 0 | 972654 | 754825 | 214434 | 162682 | 1.29 | ABV/ABV | D |
| | PCB 145 (BZ) | 33:12 | 00:00 | 0 | 919491 | 723896 | 196426 | 155304 | 1.27 | ABV/AVV | D |
| | PCB 135 (BZ) | 35:21 | 00:00 | 0 | 660281 | 515471 | 134733 | 106508 | 1.28 | ABV/ABV | D |
| | PCB 149 (BZ) | 36:13 | 00:00 | 0 | 956747 | 770084 | 192105 | 153643 | 1.24 | ABV/ABV | DM |
| | PCB 139 (BZ) | 36:45 | 00:00 | 0 | 891402 | 701939 | 181239 | 145015 | 1.27 | AVV/AVV | D |
| | PCB 132 (BZ) | 37:33 | 00:00 | 0 | 772835 | 608890 | 158209 | 125317 | 1.27 | AVV/AVV | D |
| | PCB 165 (BZ) | 38:17 | 00:00 | 0 | 1083792 | 855208 | 224171 | 180626 | 1.27 | AVV/AVV | D |

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

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# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX2 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030723. | Prep Date | | SDG No | |
| Analysis ID | 96244 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 04:22 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | | | | | 359.8415 | 361.8385 | 359.8415 | 361.8385 | 1.05-1.43 | | |
| | PCB 168 (BZ) | 39:12 | 00:00 | 0 | 1167225 | 942071 | 244891 | 189897 | 1.24 | ABV/ABV | DM |
| | PCB 137 (BZ) | 40:01 | 00:00 | 0 | 892197 | 702045 | 179343 | 144697 | 1.27 | AVV/ABV | D |
| | PCB 160 (BZ) | 40:37 | 00:00 | 0 | 1116559 | 885822 | 235953 | 189396 | 1.26 | AVV/ABV | M |
| | PCB 128 (BZ) | 41:47 | 00:00 | 0 | 843489 | 651797 | 163837 | 124660 | 1.29 | ABV/ABV | |
| | PCB 162 (BZ) | 42:56 | 00:00 | 0 | 1218126 | 967188 | 256770 | 200931 | 1.26 | ABV/ABV | |
| | PCB 157 (BZ) | 44:40 | 00:00 | 0 | 1188231 | 939862 | 238034 | 191233 | 1.26 | ABV/ABV | M |
| 372 | | | | | 371.8817 | 373.8788 | 371.8817 | 373.8788 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 105 | 125 | 42 | 50 | 0.84 * | / | |
| | 13C12-PCB 155 | 32:01 | 00:00 | 0 | 954963 | 729611 | 209201 | 162873 | 1.31 | ABV/ABV | D |
| | 13C12-PCB 153 | 39:08 | 00:00 | 0 | 1004133 | 779166 | 212503 | 167828 | 1.29 | AVV/ABV | D |
| | 13C12-PCB 138 | 40:26 | 00:00 | 0 | 981751 | 759437 | 199851 | 157283 | 1.29 | ABV/ABV | |
| | 13C12-PCB 167 | 43:24 | 00:00 | 0 | 1187790 | 944011 | 246790 | 196111 | 1.26 | AVV/AVV | |
| | 13C12-PCB 156 | 44:34 | 00:00 | 0 | 1211539 | 782888 | 235286 | 192497 | 1.55 * | ABV/ABV | RD |
| | 13C12-PCB 157 | 44:38 | 00:00 | 0 | 1161592 | 1087769 | 261027 | 204350 | 1.07 | AVV/AVB | M |
| | 13C12-PCB 169 | 47:49 | 00:00 | 0 | 1167665 | 908233 | 238690 | 186944 | 1.29 | AVV/ABV | D |
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 170 | 210 | 68 | 84 | 0.81 * | / | |
| | PCB 184 (BZ) | 38:38 | 00:00 | 0 | 1039543 | 978213 | 212874 | 205302 | 1.06 | ABV/ABV | |
| | PCB 186 (BZ) | 39:33 | 00:00 | 0 | 942440 | 901023 | 188411 | 185117 | 1.05 | ABV/ABV | D |
| | PCB 187 (BZ) | 41:45 | 00:00 | 0 | 784388 | 754600 | 164602 | 154801 | 1.04 | AVV/AVV | D |
| | PCB 185 (BZ) | 42:30 | 00:00 | 0 | 706267 | 668919 | 141656 | 140951 | 1.06 | AVV/AVV | D |
| | PCB 181 (BZ) | 43:27 | 00:00 | 0 | 741801 | 705071 | 153403 | 143865 | 1.05 | AVV/ABV | D |
| | PCB 192 (BZ) | 45:32 | 00:00 | 0 | 904938 | 880283 | 183183 | 175913 | 1.03 | ABV/AVV | D |
| 406 | | | | | 405.8428 | 407.8398 | 405.8428 | 407.8398 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 175 | 140 | 70 | 56 | 1.25 * | / | |
| | 13C12-PCB 188 | 37:46 | 00:00 | 0 | 1007301 | 935747 | 207877 | 193521 | 1.08 | ABV/ABV | D |
| | 13C12-PCB 178 | 40:50 | 00:00 | 0 | 648189 | 627360 | 129258 | 125858 | 1.03 | ABV/ABV | |
| | 13C12-PCB 180 | 45:54 | 00:00 | 0 | 843128 | 801262 | 174455 | 168081 | 1.05 | ABV/ABV | |
| | 13C12-PCB 170 | 47:14 | 00:00 | 0 | 676099 | 638914 | 138220 | 129936 | 1.06 | ABV/AVV | |
| | 13C12-PCB 189 | 50:17 | 00:00 | 0 | 1101300 | 1053420 | 217861 | 210210 | 1.05 | ABV/AVV | D |
| 428 | | | | | 427.7635 | 429.7606 | 427.7635 | 429.7606 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 198 | 185 | 79 | 74 | 1.07 * | / | |
| | PCB 197 (BZ) | 44:56 | 00:00 | 0 | 1222018 | 1348179 | 247265 | 280504 | 0.91 | ABV/ABV | |
| | PCB 201 (BZ)/199 (IUPAC | 47:53 | 00:00 | 0 | 868943 | 942880 | 174317 | 192428 | 0.92 | ABV/ABV | DM |
| | PCB 203 (BZ) | 48:42 | 00:00 | 0 | 961343 | 1058310 | 192357 | 213986 | 0.91 | ABV/AVV | D |
| 440 | | | | | 439.8038 | 441.8008 | 439.8038 | 441.8008 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 108 | 130 | 43 | 52 | 0.83 | / | |
| | 13C12-PCB 202 | 43:08 | 00:00 | 0 | 782207 | 839406 | 158227 | 167687 | 0.93 | ABV/ABV | D |
| | 13C12-PCB 194 | 52:22 | 00:00 | 0 | 672627 | 712596 | 137734 | 145422 | 0.94 | ABV/ABV | |
| | 13C12-PCB 205 | 52:49 | 00:00 | 0 | 898983 | 991120 | 180694 | 196878 | 0.91 | ABV/AVV | |
| 462 | | | | | 461.7246 | 463.7216 | 461.7246 | 463.7216 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 474 | | | | | 473.7648 | 475.7619 | 473.7648 | 475.7619 | 0.65-0.89 | | |

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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX2 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030723. | Prep Date | | SDG No | |
| Analysis ID | 96244 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 04:22 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

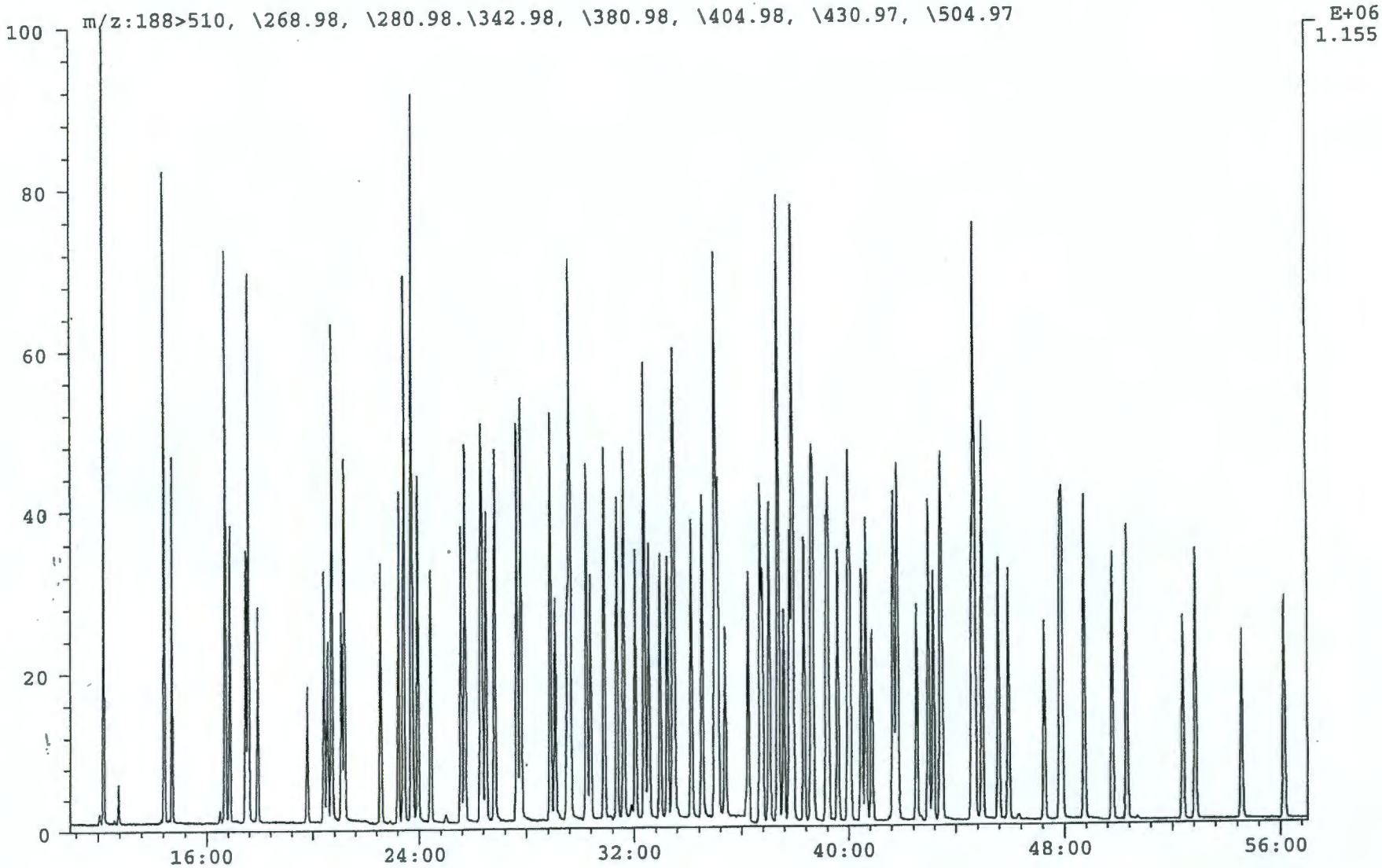
View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| 474 | | | | | 473.7648 | 475.7619 | 473.7648 | 475.7619 | 0.65-0.89 | |
| | Noise | 00:00 | 00:00 | 0 | 148 | 148 | 59 | 59 | 1.00 * | / |
| | 13C12-PCB 208 | 49:45 | 00:00 | 0 | 775581 | 957030 | 156918 | 184905 | 0.81 | AVV/AVV |
| | 13C12-PCB 206 | 54:32 | 00:00 | 0 | 518560 | 662509 | 105565 | 128552 | 0.78 | AVB/ABV |
| 496 | | | | | 495.6856 | 497.6826 | 495.6856 | 497.6826 | 0.59-0.79 | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | |
| 508 | | | | | 507.7258 | 509.7229 | 507.7258 | 509.7229 | 0.59-0.79 | |
| | Noise | 00:00 | 00:00 | 0 | 148 | 150 | 59 | 60 | 0.98 * | / |
| | 13C12-PCB 209 | 56:07 | 00:00 | 0 | 593492 | 843543 | 106587 | 155617 | 0.70 | ABV/ABV |

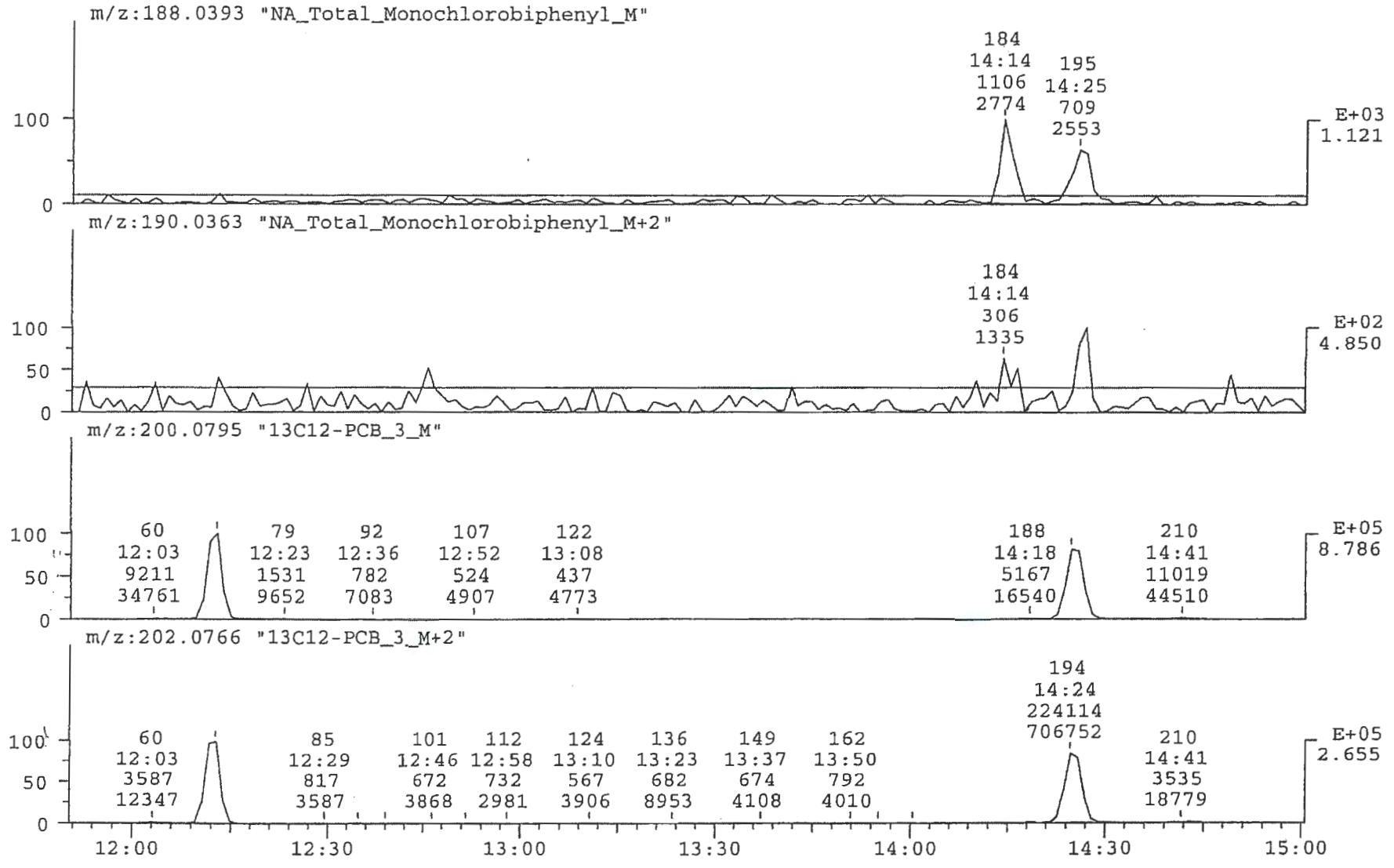
Notes:
R = ratio is outside limits  M = data changed manually  N = Peak not reported  S = peak less than 2.5x S/N
T = peaks outside cemax limit  D = peak outside RT window  W = peak outside first/last  X = peak has dup match

CHRO: a07030723 08-Mar-07 Elapse: 56:12 2556
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 2 > 2601 Masses: 181 > 510
Area: 5, 0.50, 0 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area

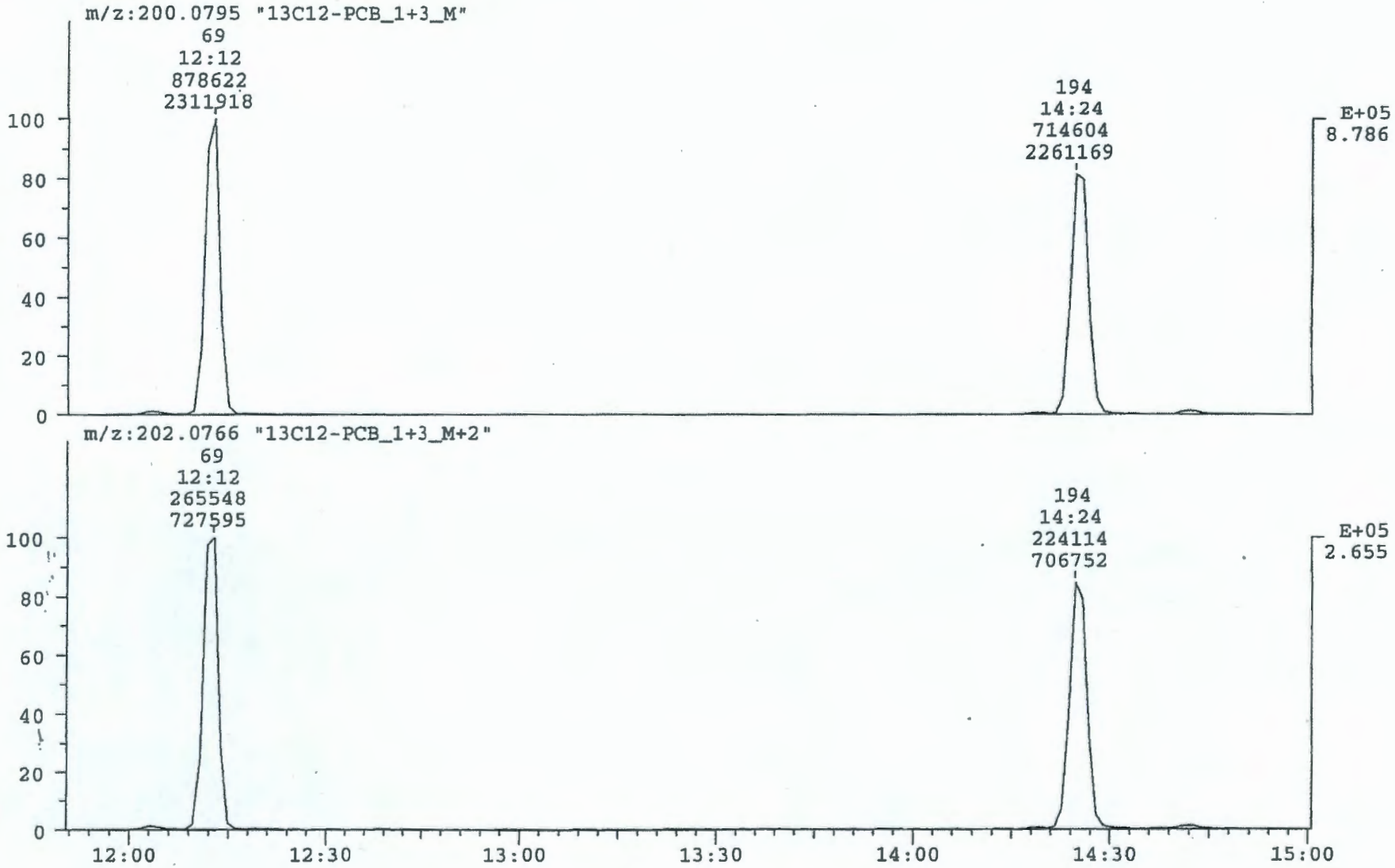
Int DCS 3-1707
Calc DCS 3-1907
QC KMW 3/19/07



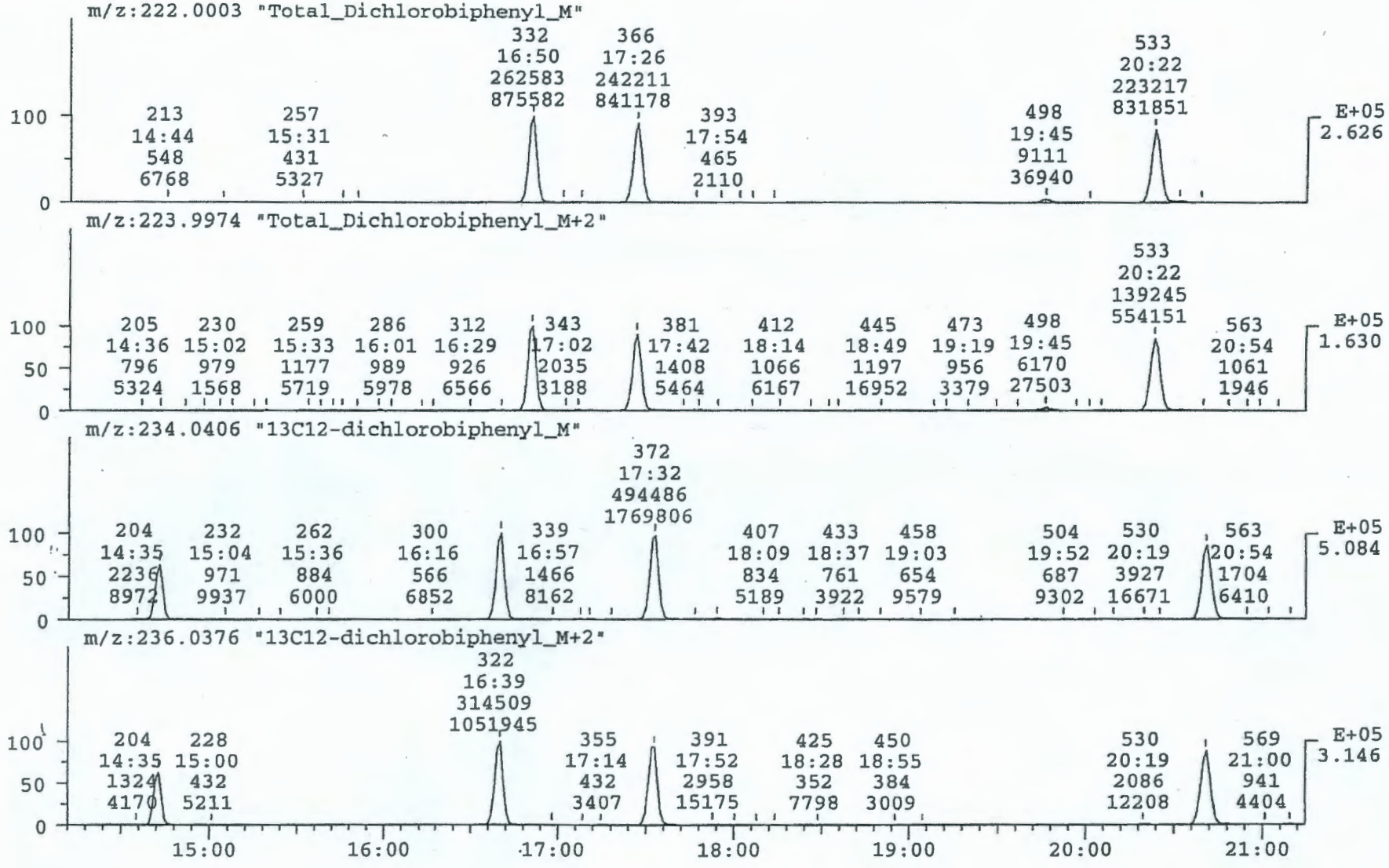
```
CHRO:  a07030723                                08-Mar-07   Elapse:  13:25.5      138
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  04:22:11    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



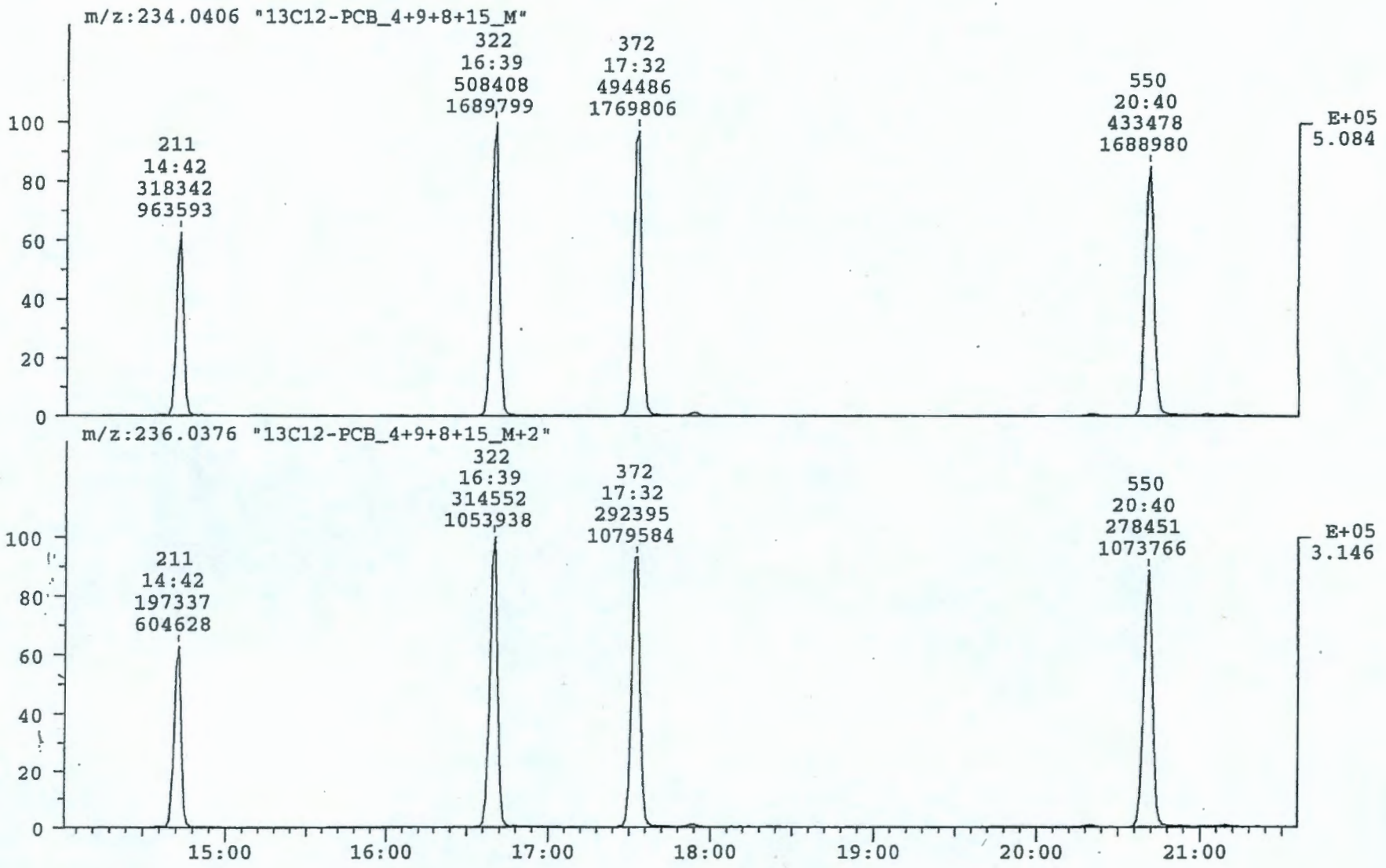
CHRO: a07030723 08-Mar-07 Elapse: 13:25.5 138
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 48 > 228 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



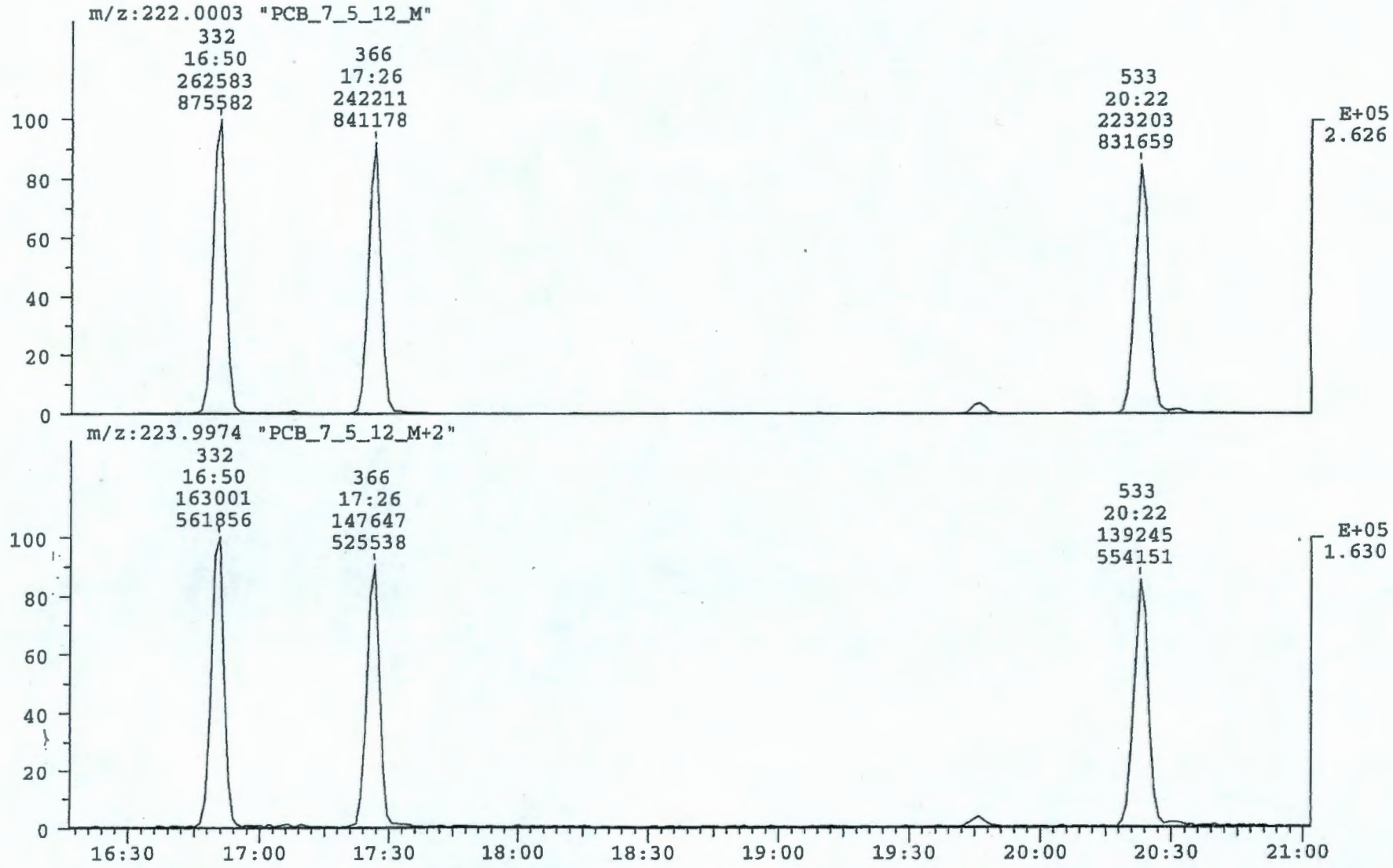
CHRO: a07030723 08-Mar-07 Elapse: 17:43.2 382
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 182 > 582 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



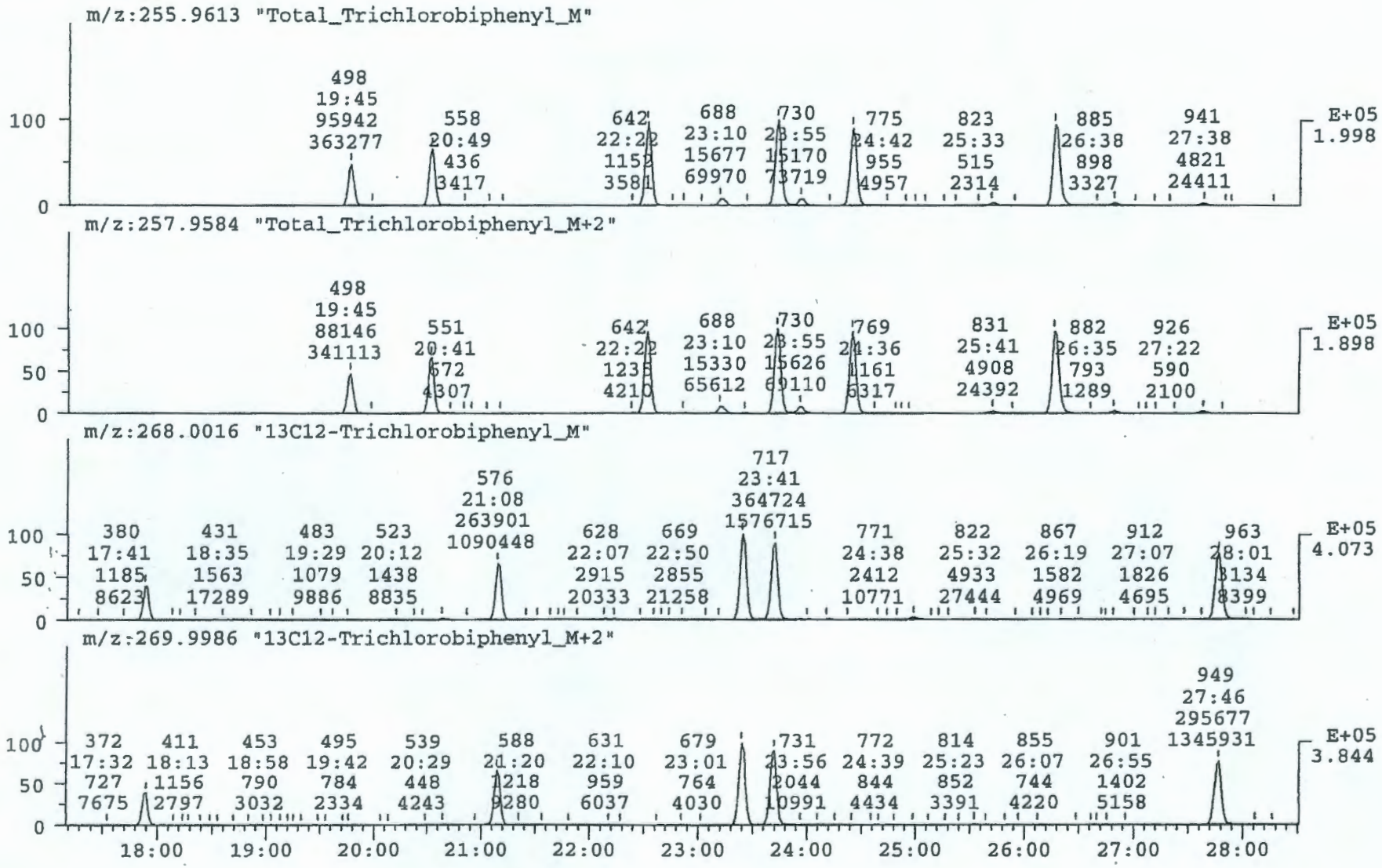
```
CHRO:  a07030723                                08-Mar-07  Elapse:  17:43.2     382
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial  4
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
```



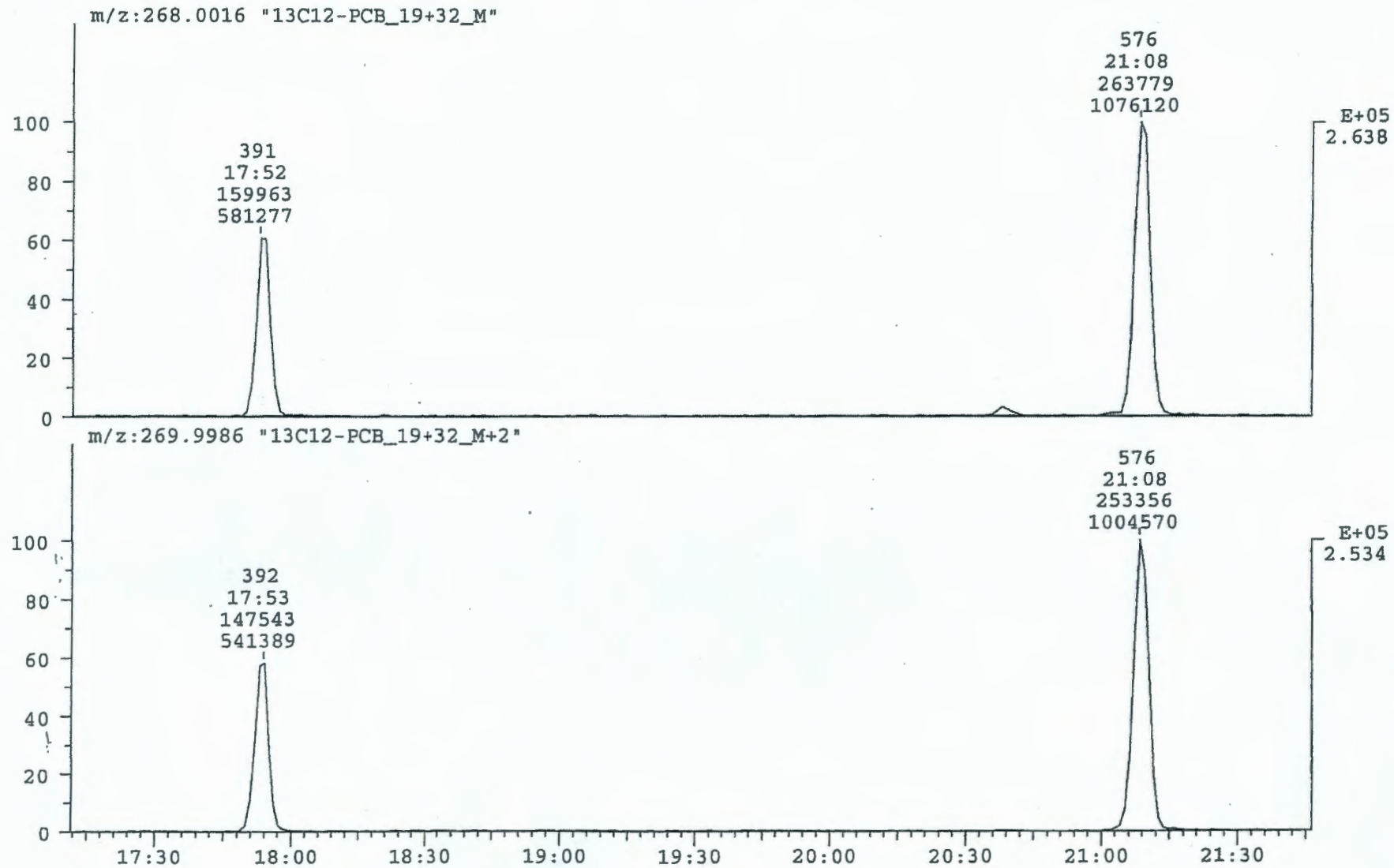
```
CHRO:  a07030723                                08-Mar-07   Elapse:  18:39.2      435
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  04:22:11    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   300 > 570             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



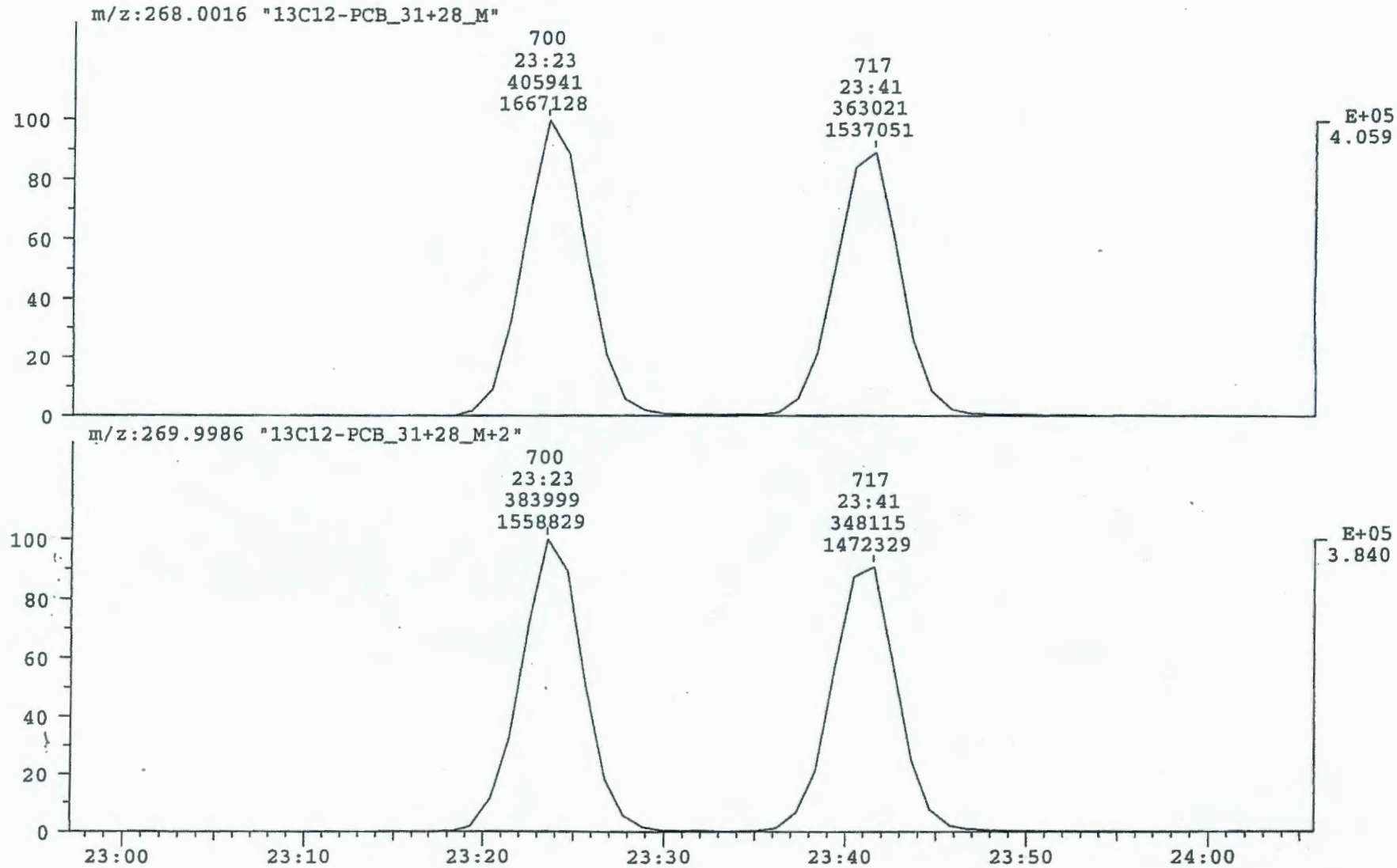
CHRO: a07030723 08-Mar-07 Elapse: 22:52.9 671
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 351 > 991 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



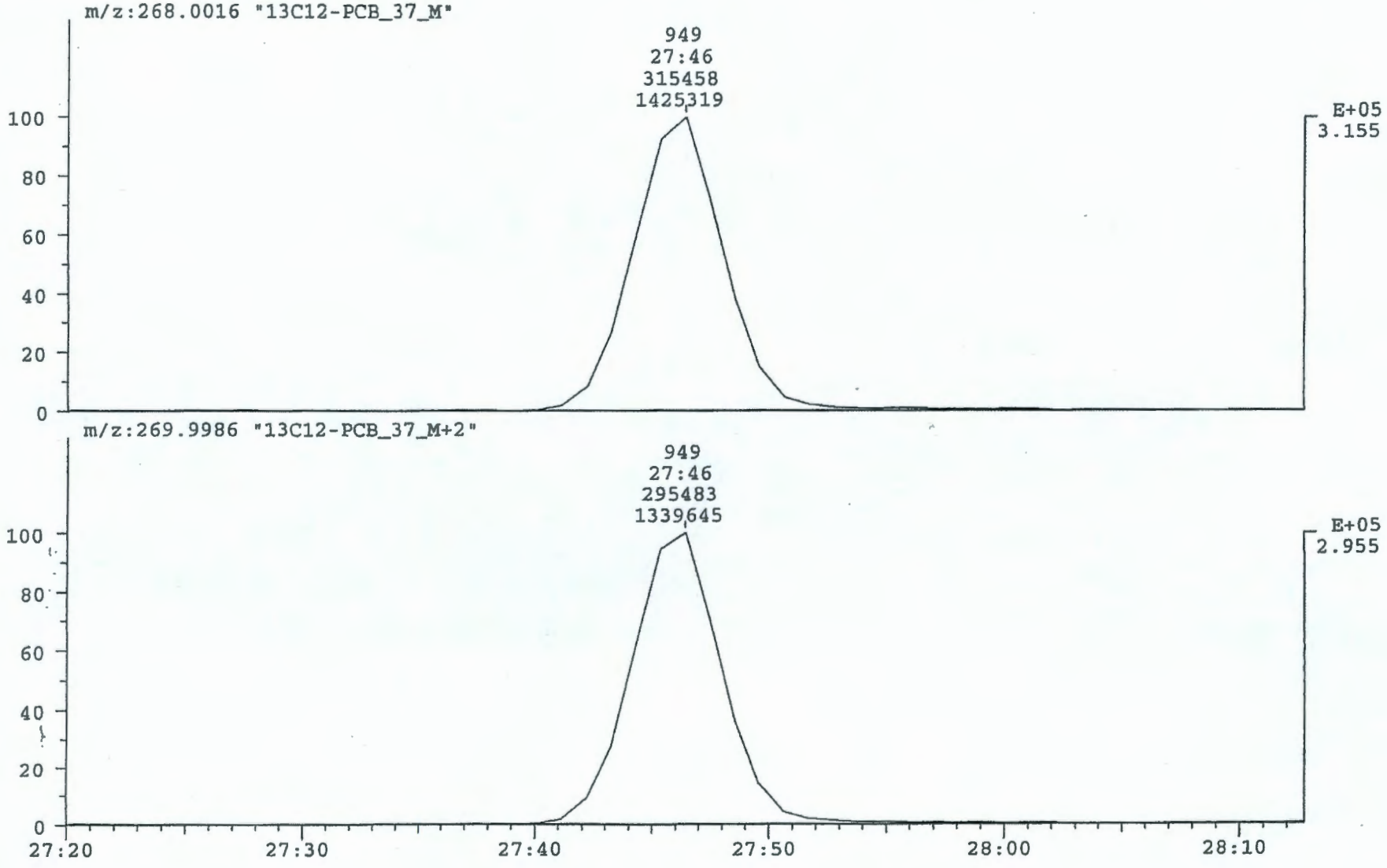
```
CHRO:  a07030723                                08-Mar-07  Elapse:  19:18.3      472
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  04:22:11    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
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
```



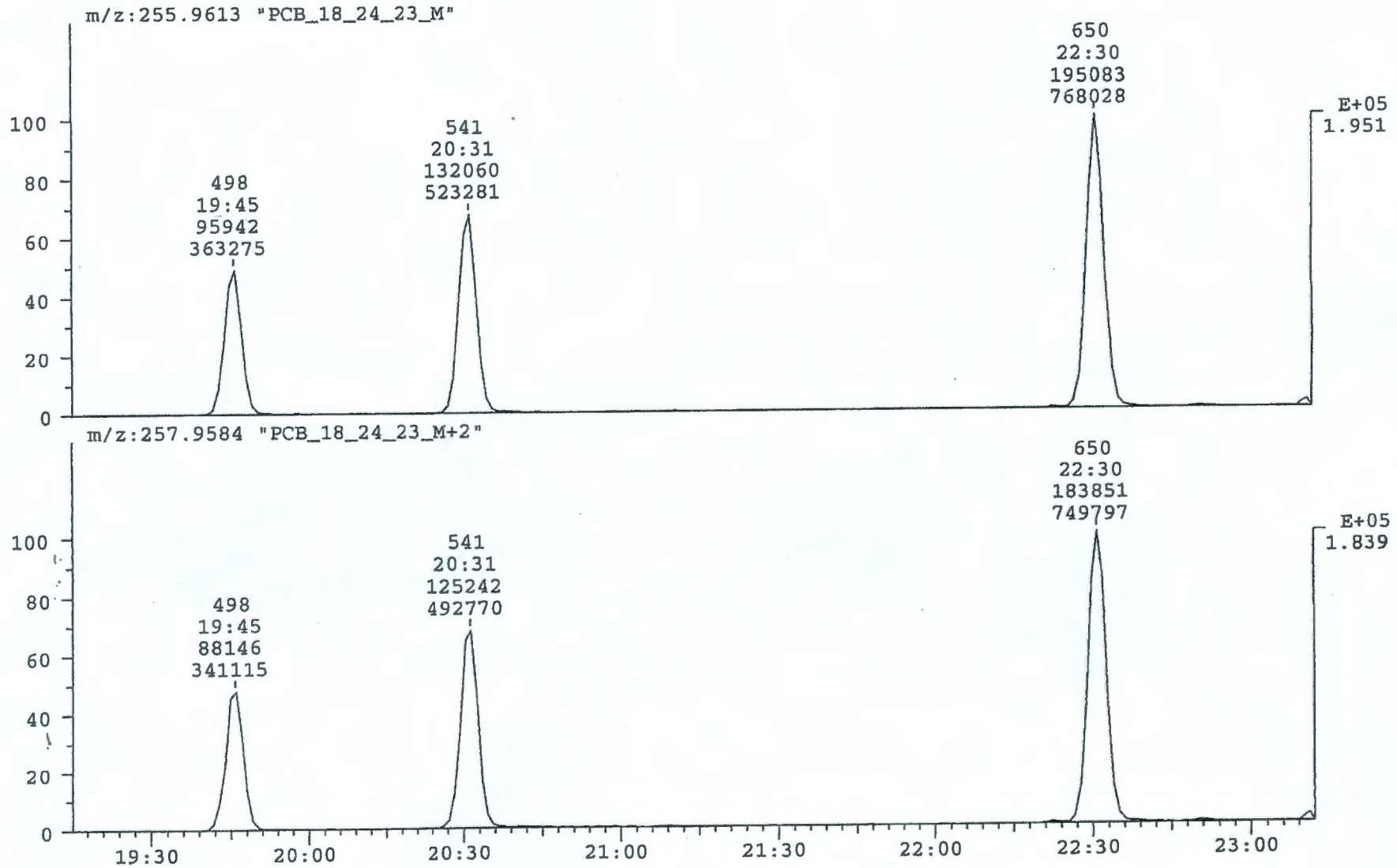
CHRO: a07030723 08-Mar-07 Elapse: 23:23.5 700
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 675 > 740 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



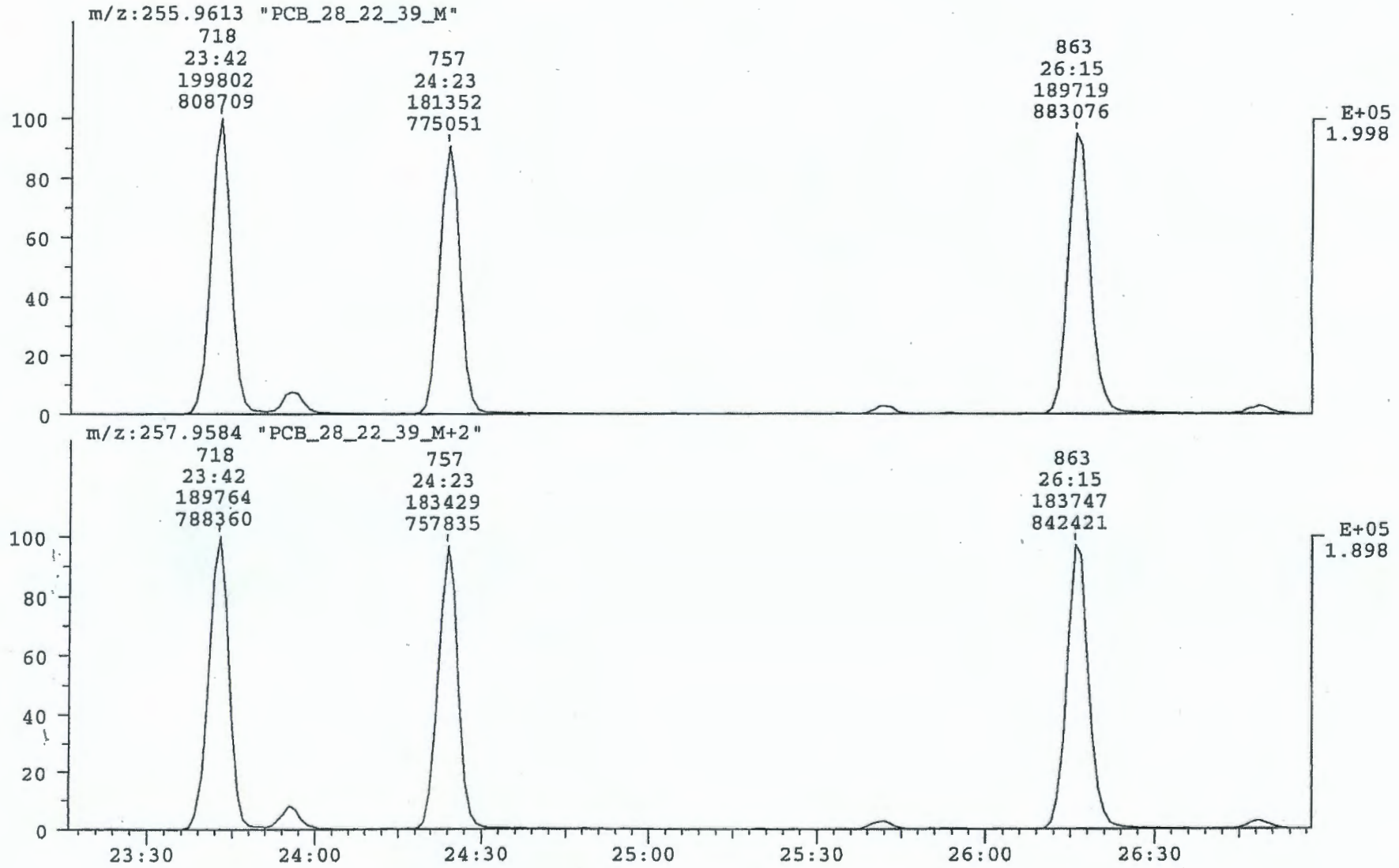
```
CHRO:  a07030723                                08-Mar-07   Elapse:  27:46.4      949
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  04:22:11    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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: a07030723 08-Mar-07 Elapse: 21:11.4 579
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 469 > 689 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area

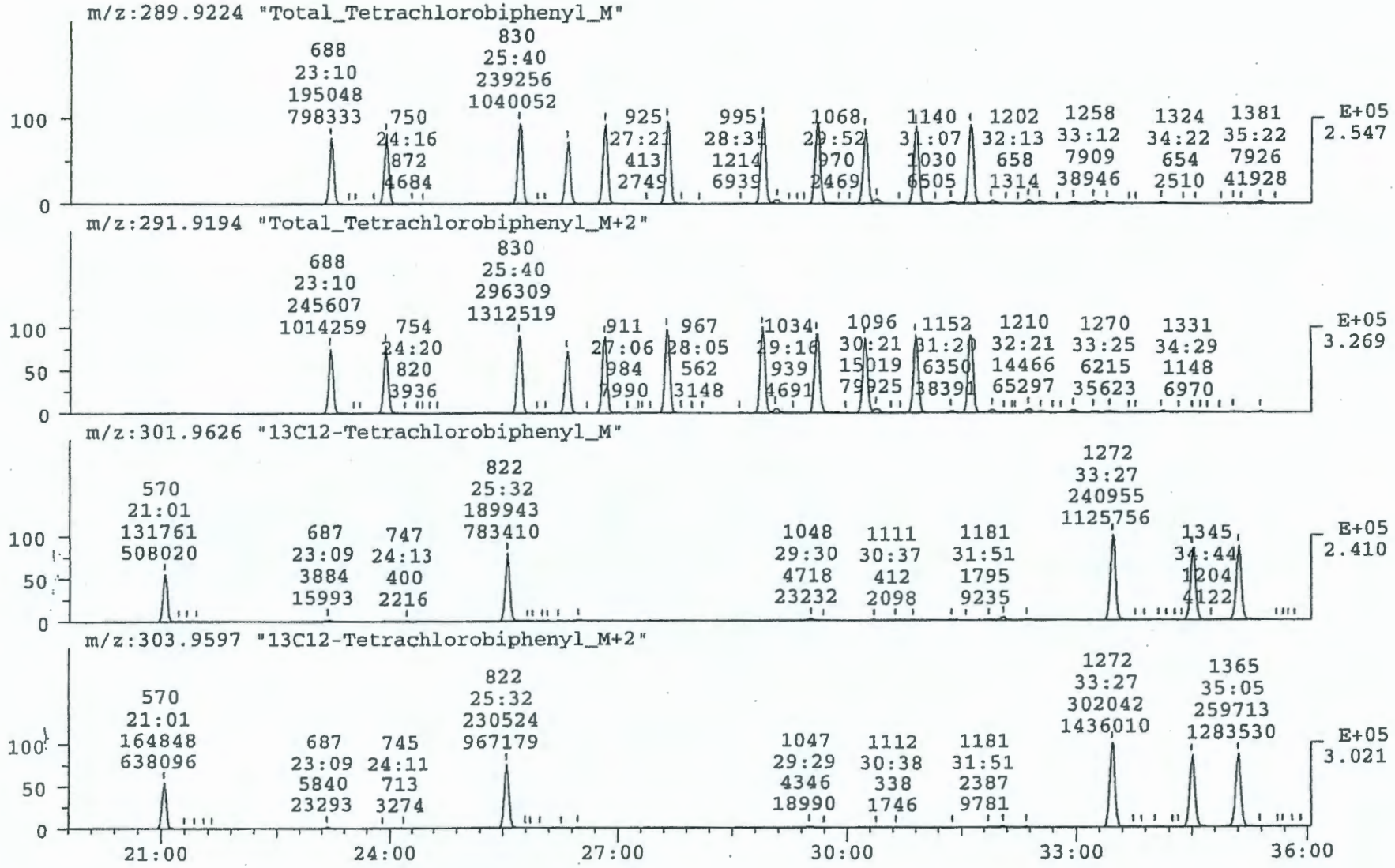


CHRO: a07030723 08-Mar-07 Elapse: 25:01.8 793
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 693 > 903 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area

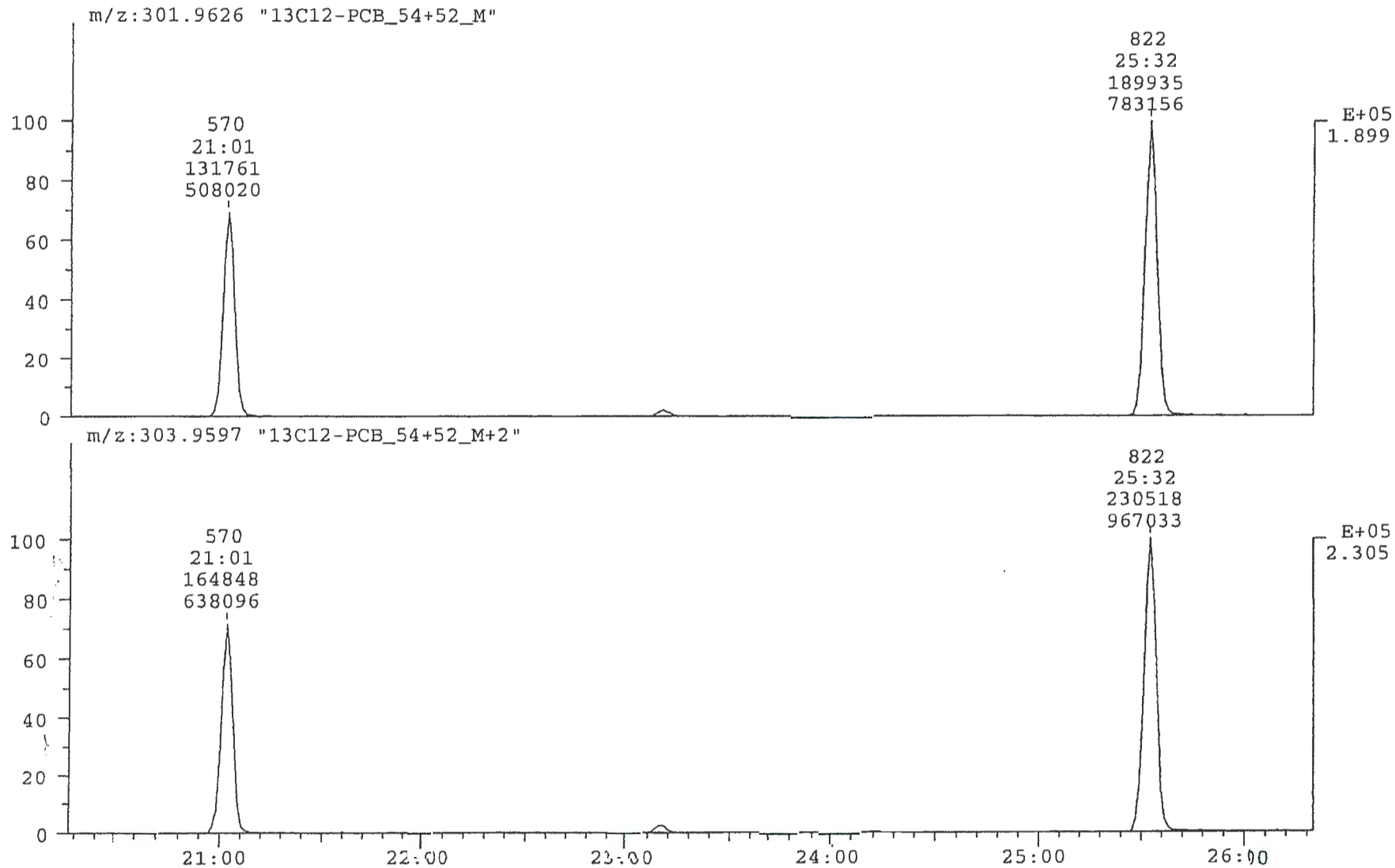



1600

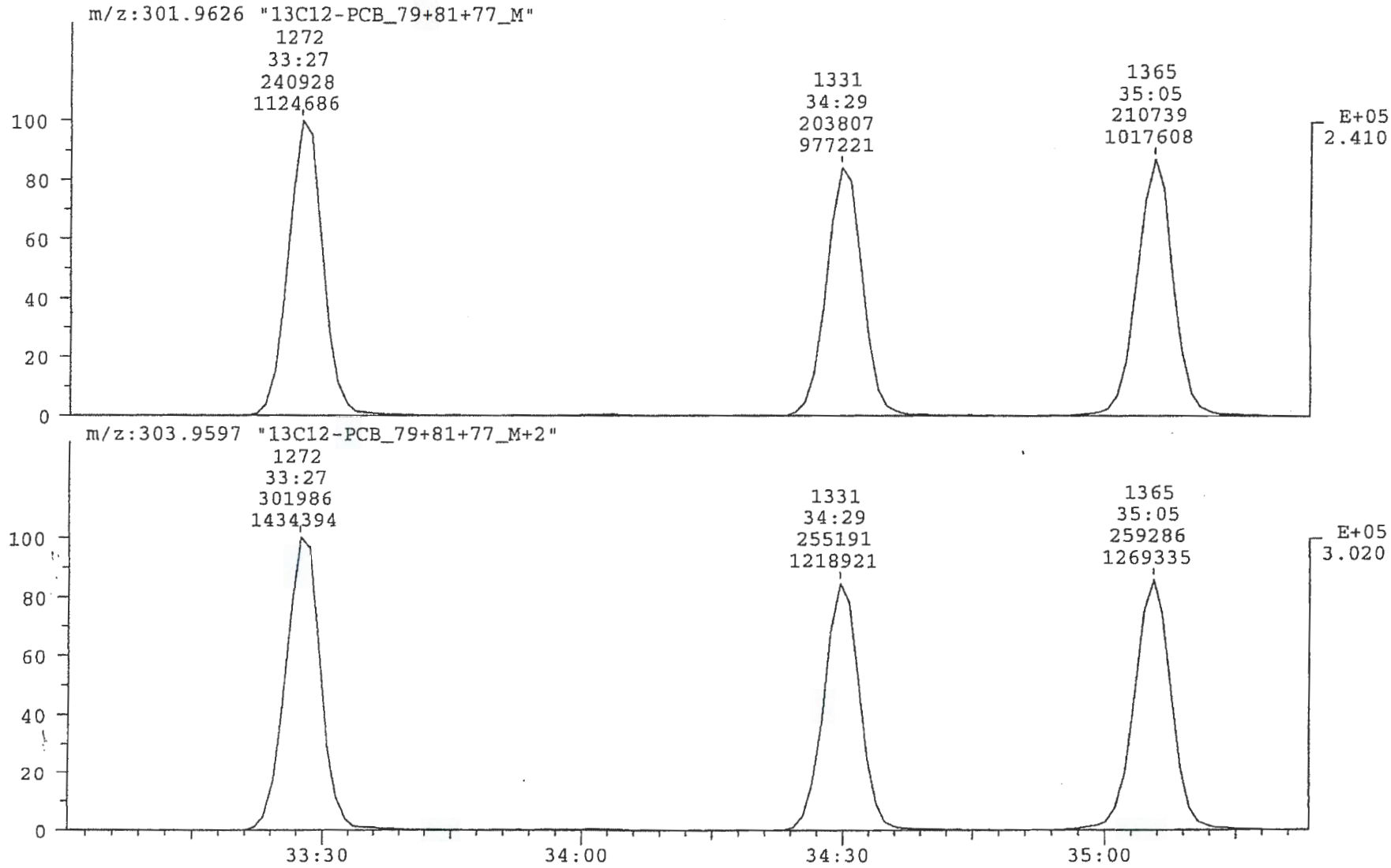
CHRO: a07030723 08-Mar-07 Elapse: 27:54.8 957
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 500 > 1420 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



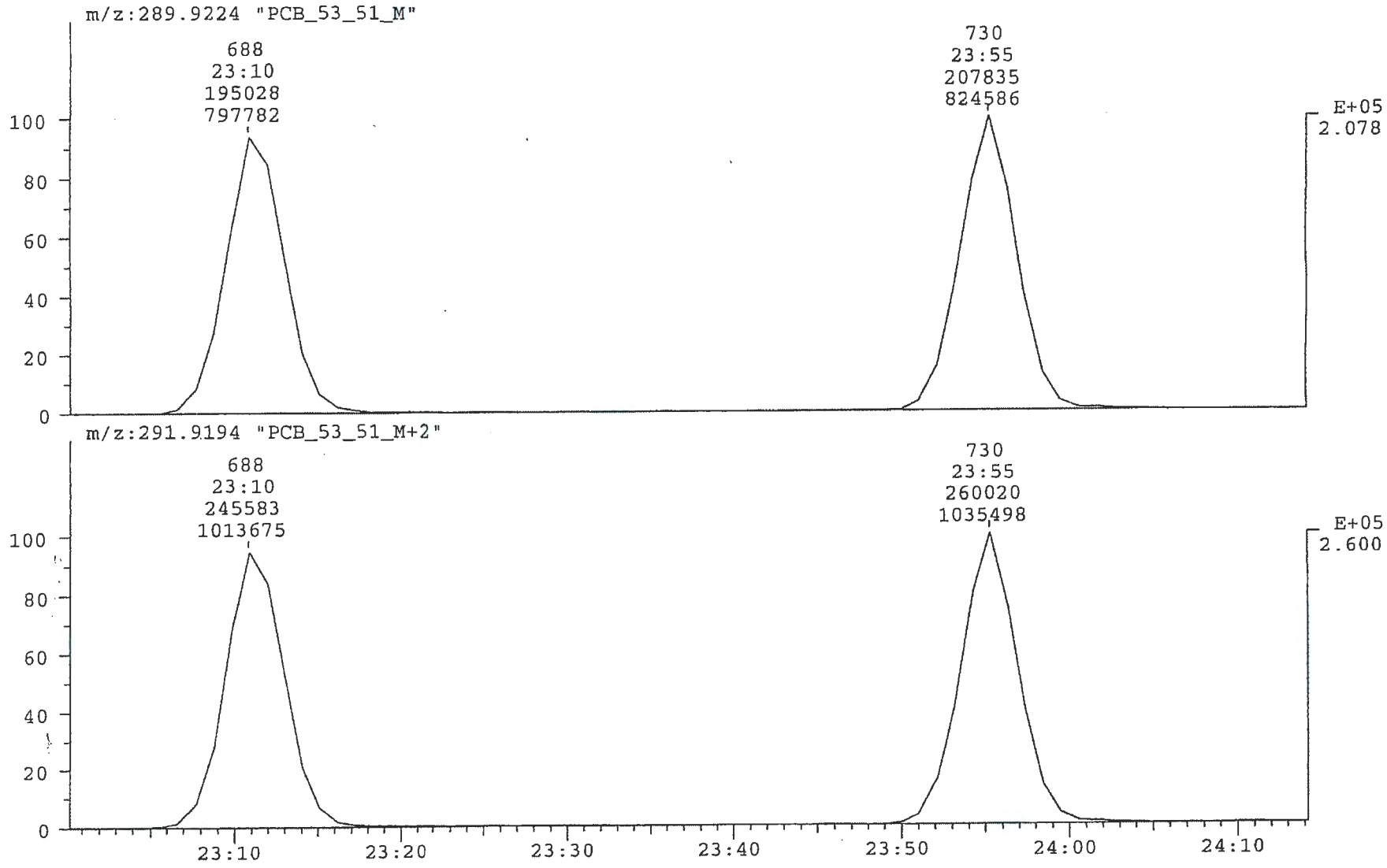
```
CHRO:  a07030723                                08-Mar-07  Elapse:  23:20.4      697
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  04:22:11    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
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
```



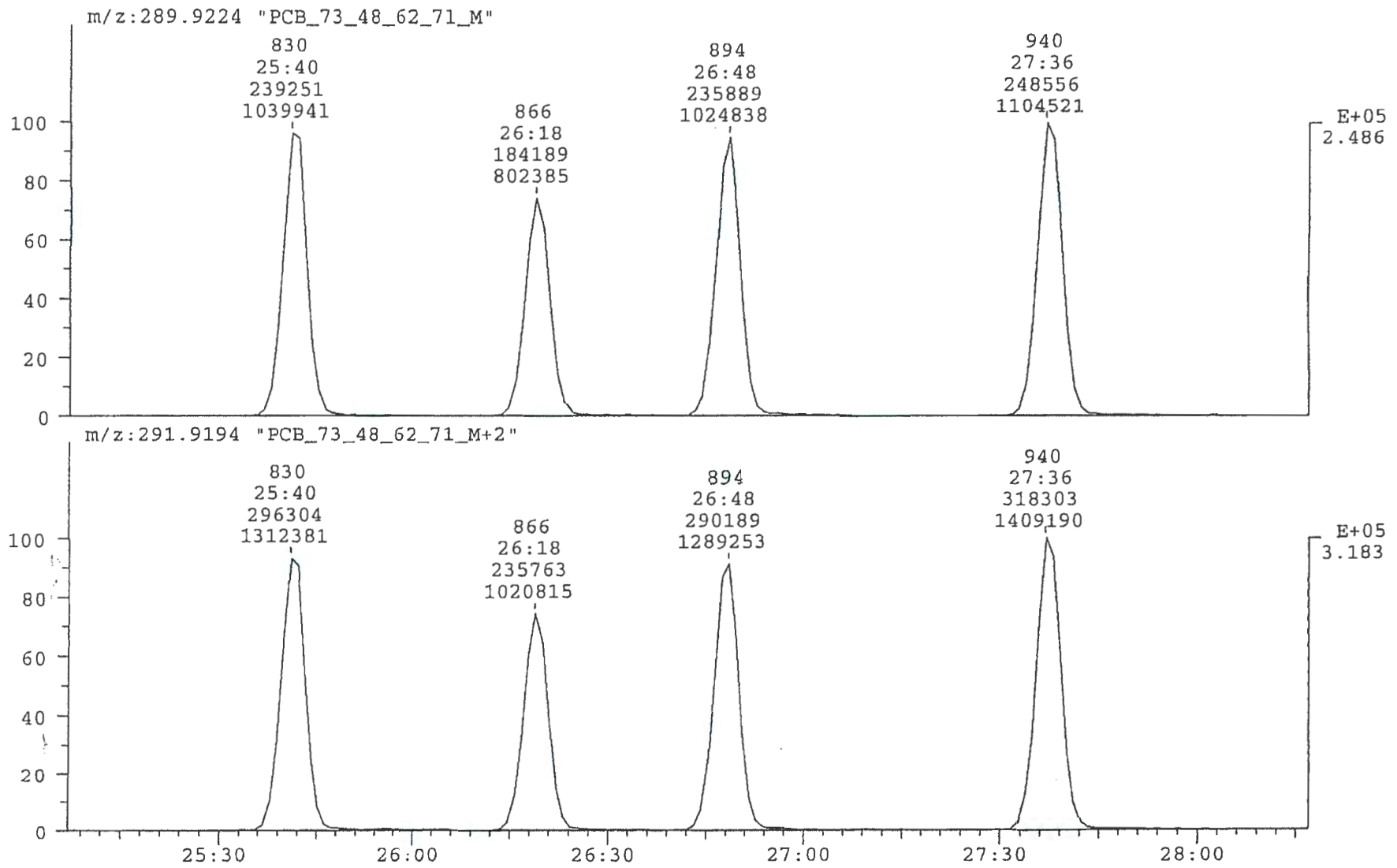
```
CHRO:  a07030723                                08-Mar-07   Elapse:  34:14      1317
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run3
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   4
Peak:  100.00  ppm     Label wndw:   1247 > 1382            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



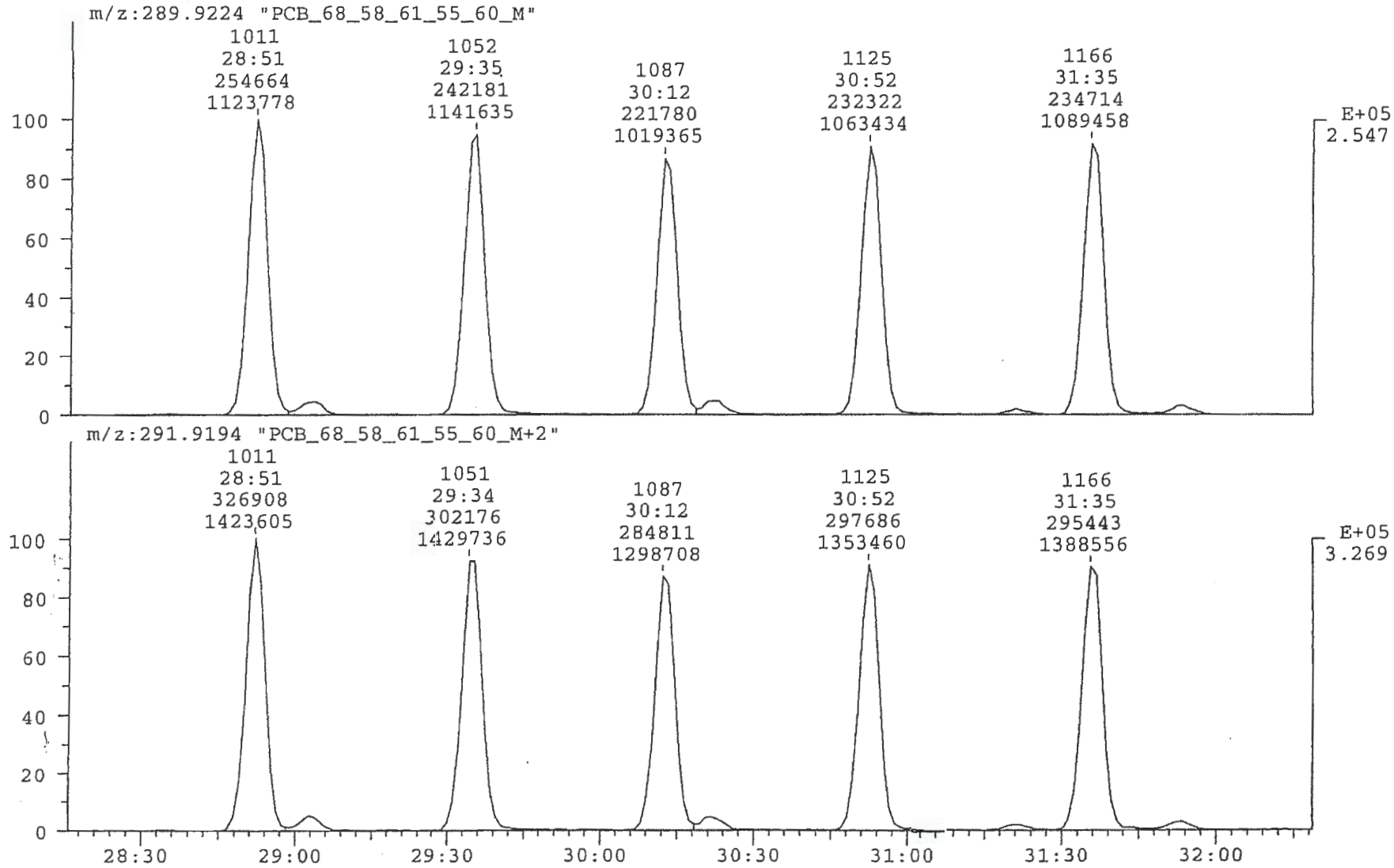
```
CHRO:  a07030723                                08-Mar-07   Elapse:  23:42.5      718
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  04:22:11    2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   678 > 748             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



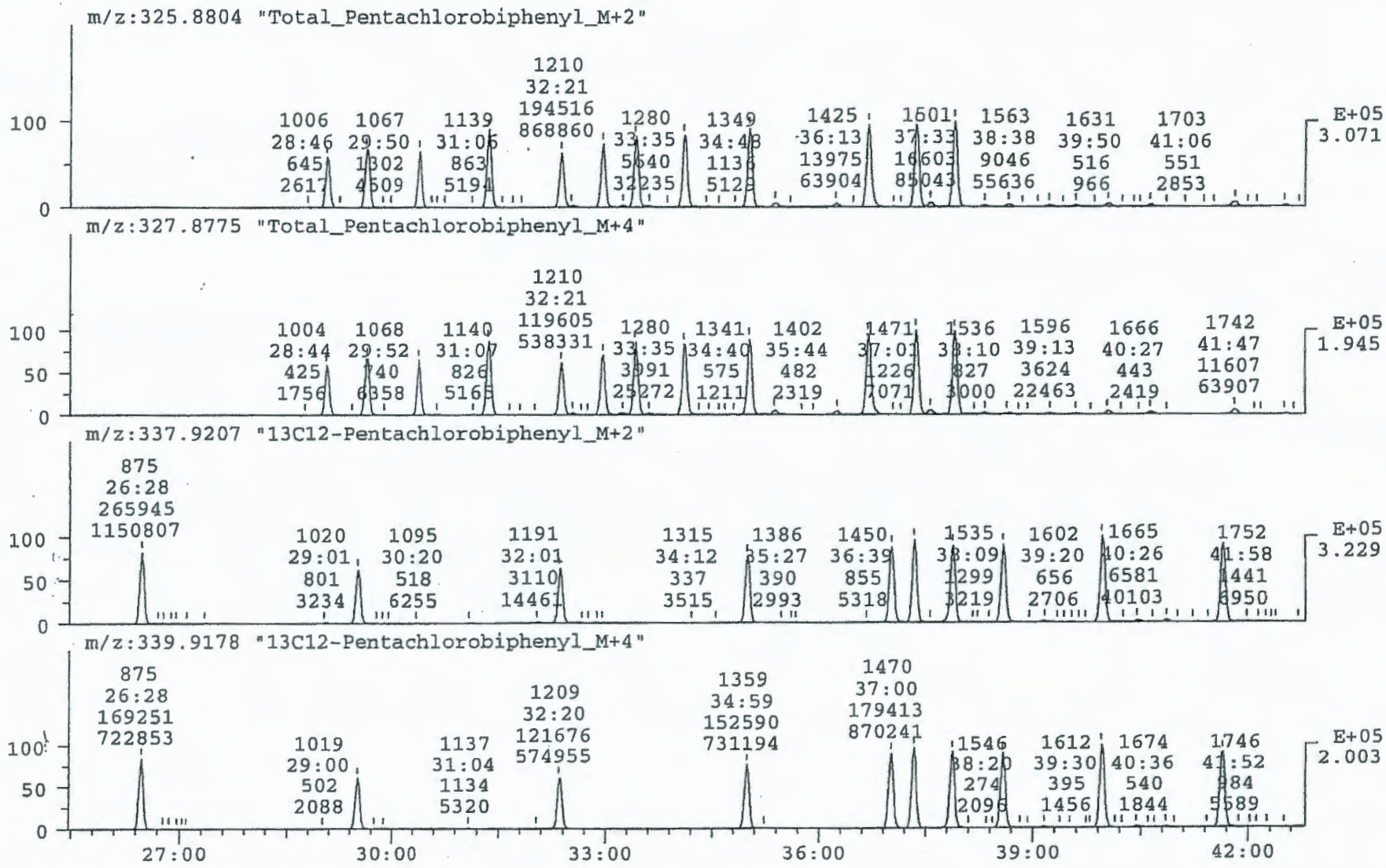
```
CHRO:  a07030723                              08-Mar-07   Elapse:  26:42.9      888
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  04:22:11    2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   798 > 978           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



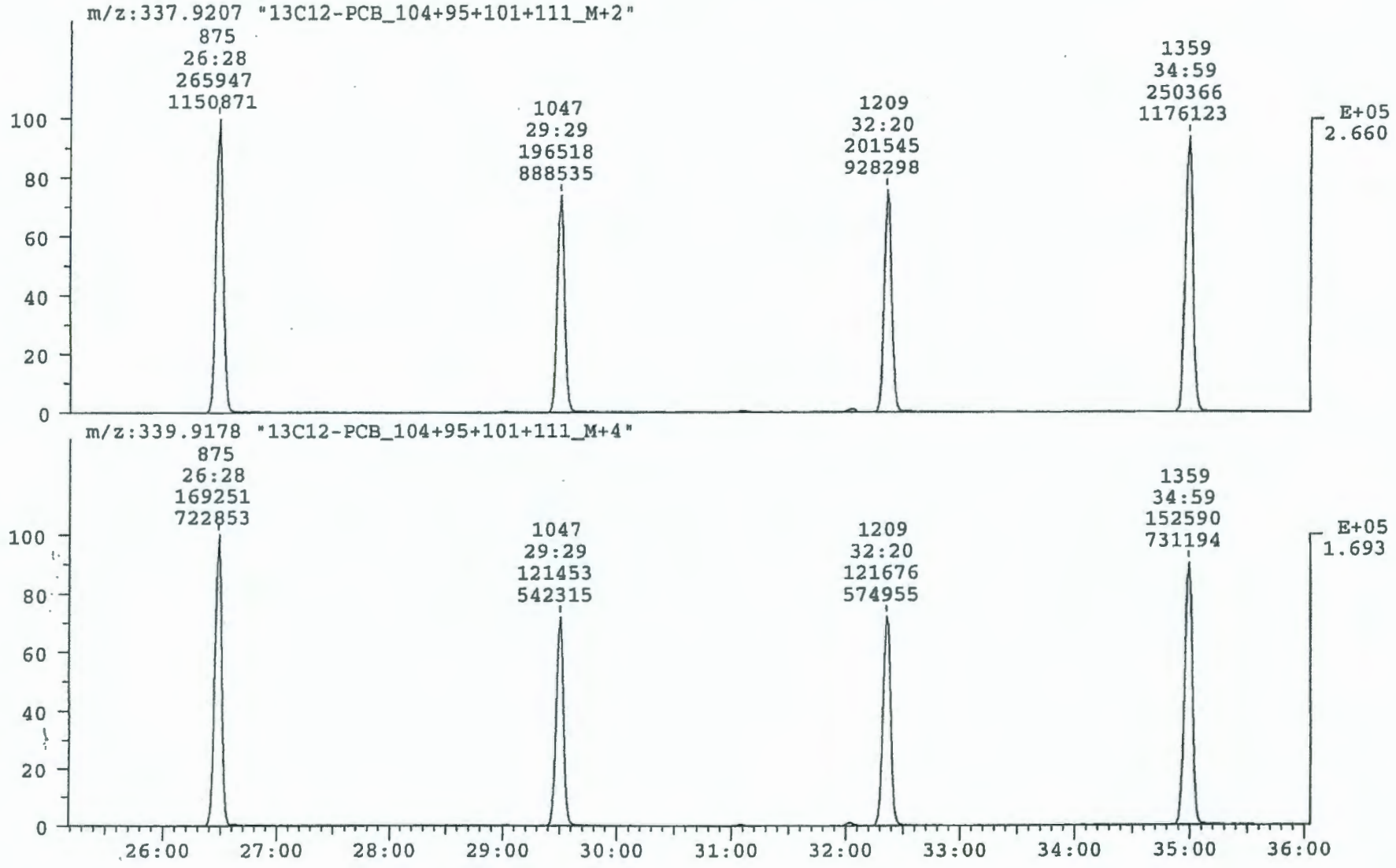
```
CHRO:  a07030723                                08-Mar-07  Elapse:  30:17      1092
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   977 > 1207          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



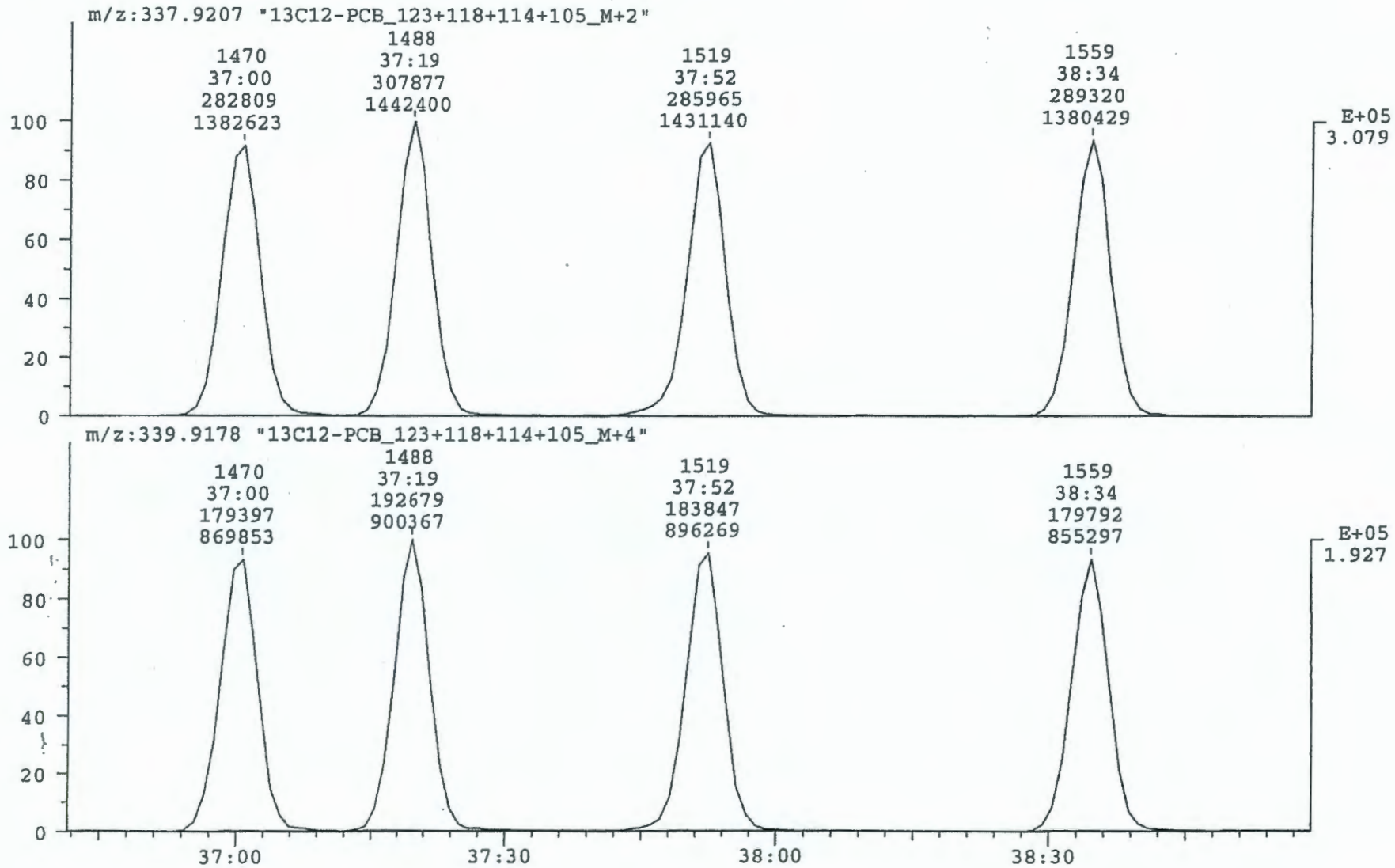
CHRO: a07030723 08-Mar-07 Elapse: 34:08 1311
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 818 > 1799 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



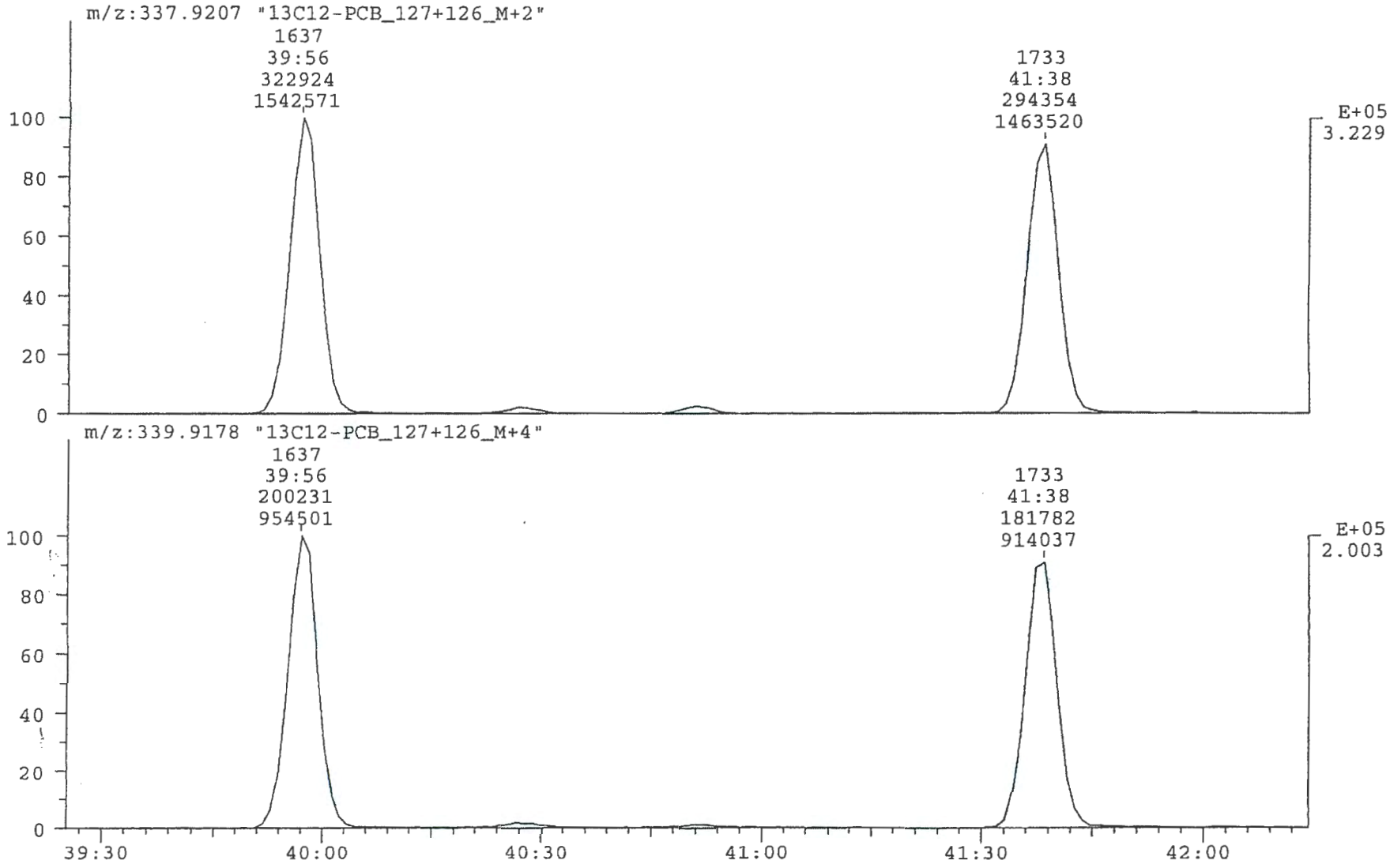
```
CHRO:  a07030723                                08-Mar-07  Elapse:  30:37      1111
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run3
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



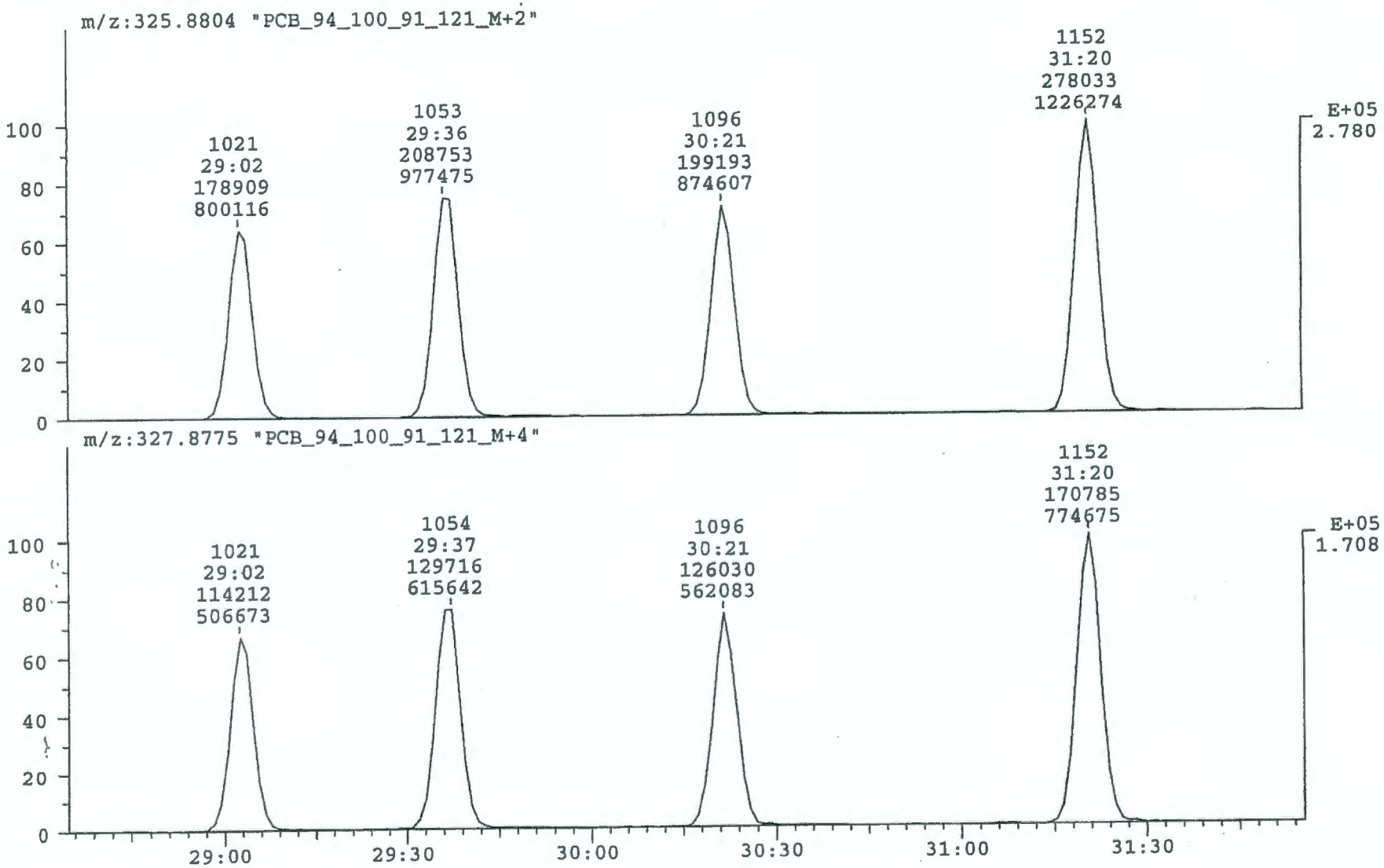
```
CHRO:  a07030723                                08-Mar-07  Elapse:  37:50      1517
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial   4
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
```



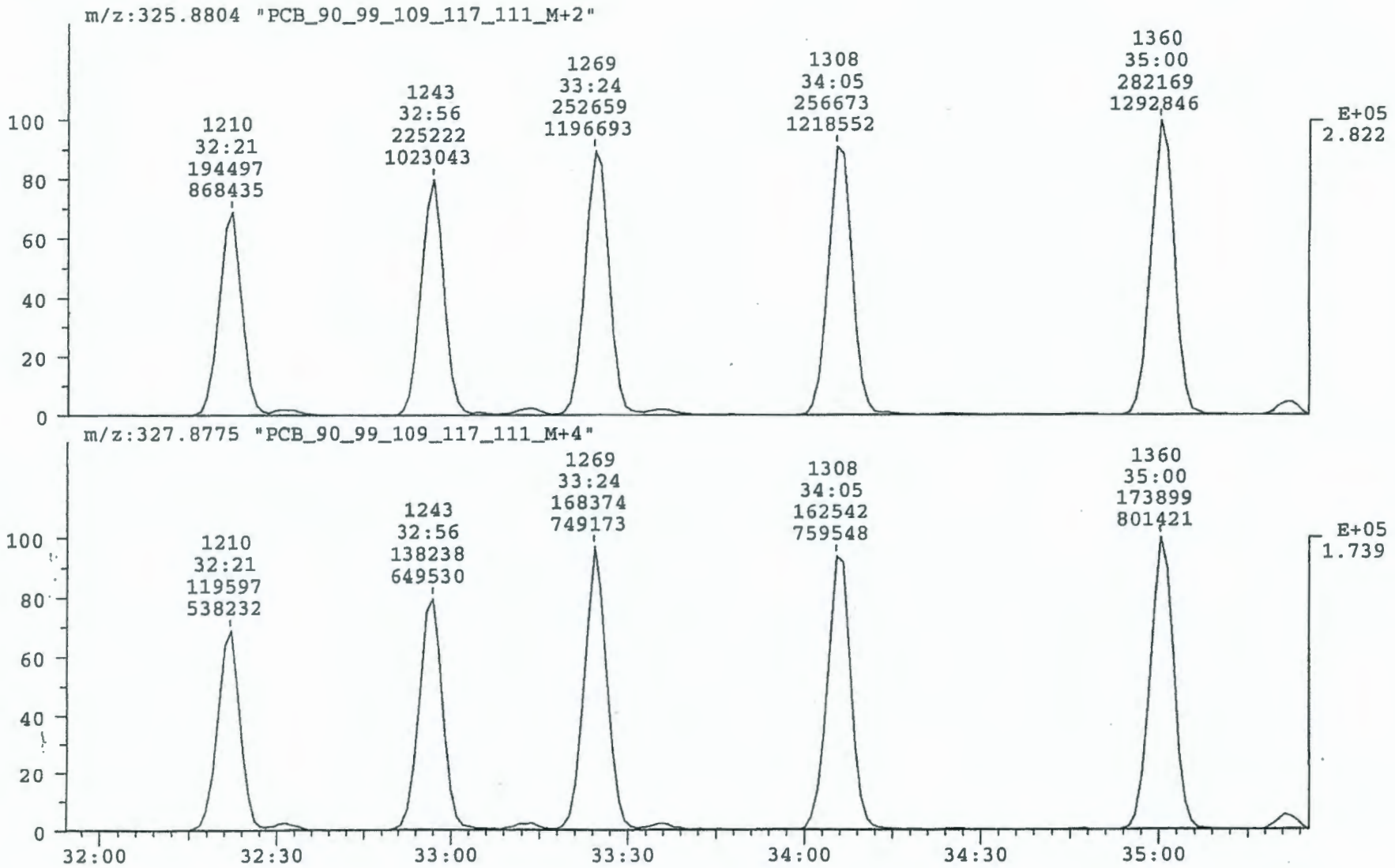
```
CHRO:  a07030723                                08-Mar-07   Elapse:  40:49      1687
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run3
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   4
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
```



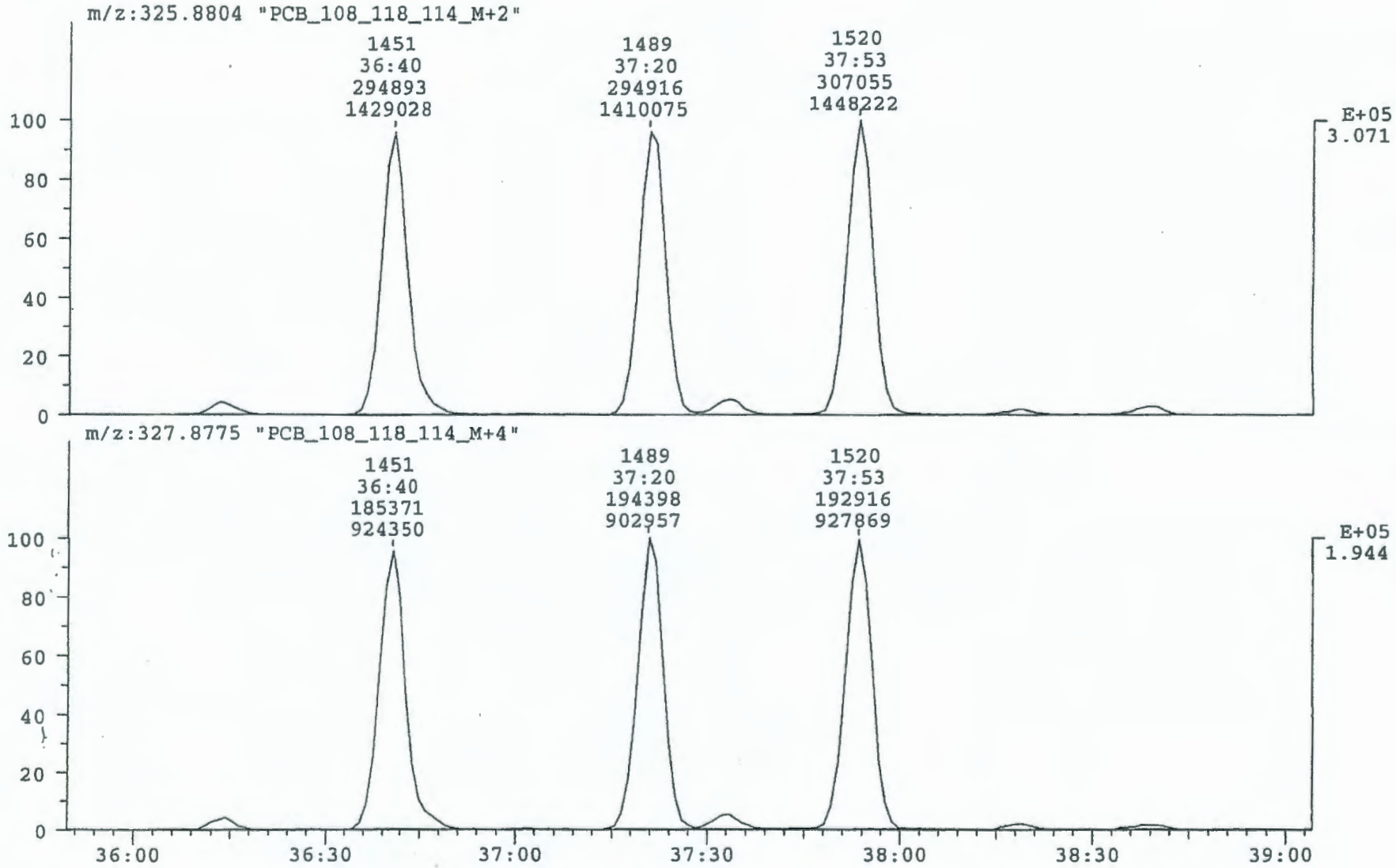
CHRO: a07030723 08-Mar-07 Elapse: 30:15 1090
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 995 > 1185 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



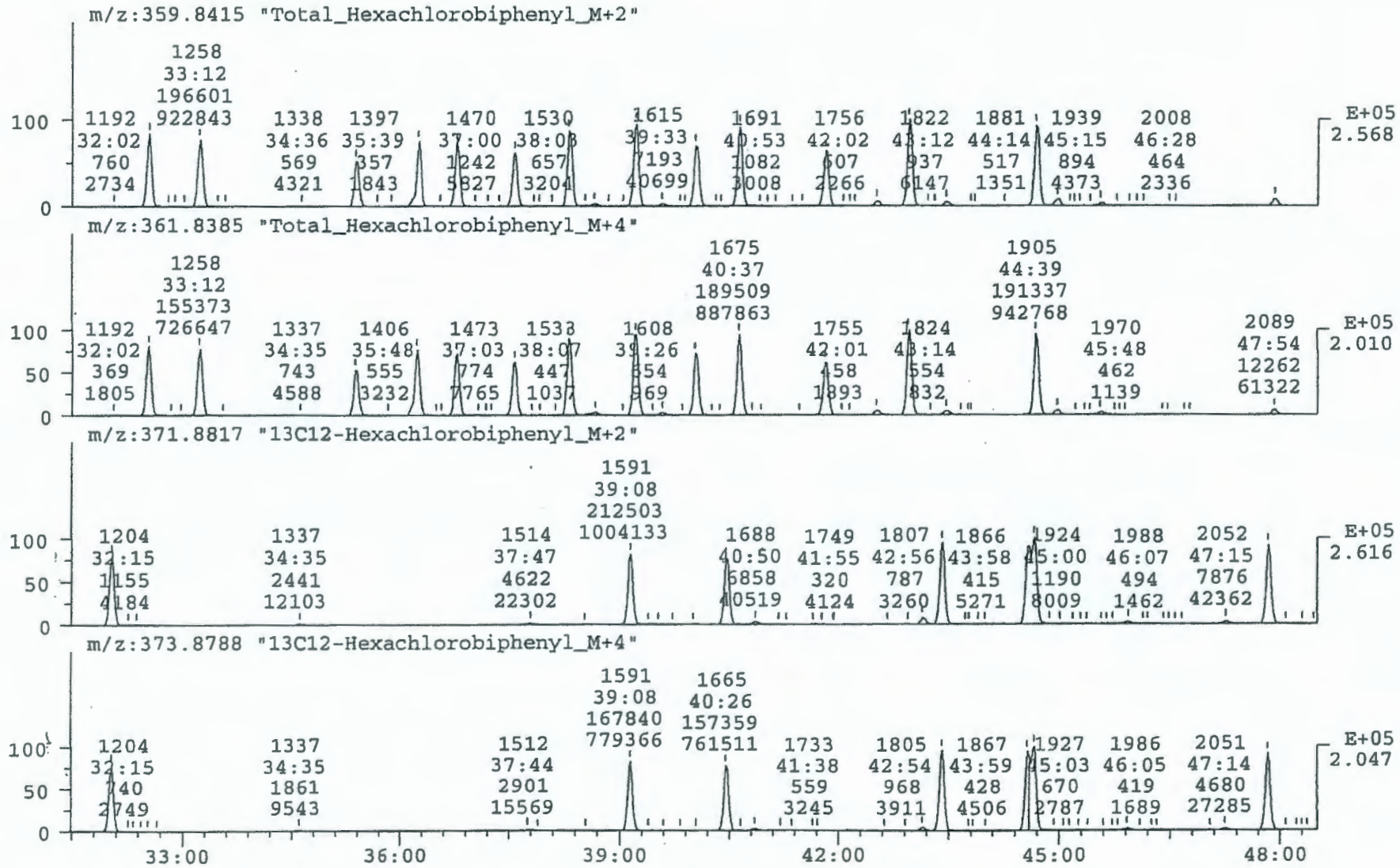
```
CHRO:  a07030723                                08-Mar-07   Elapse:  33:39      1284
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run3
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  4
Peak:  100.00  ppm     Label wndw:   1184 > 1384            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



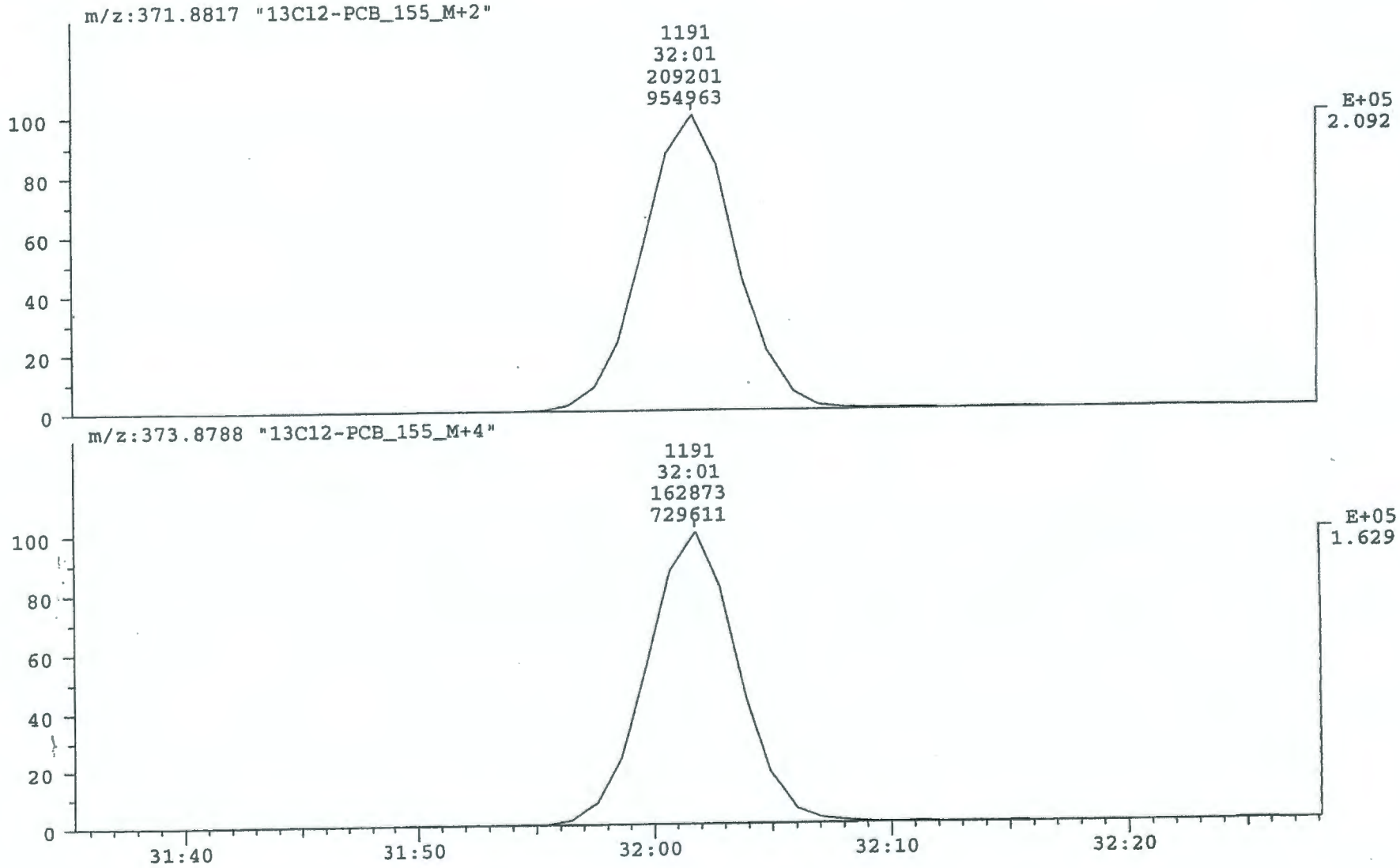
```
CHRO:  a07030723                                08-Mar-07  Elapse:  37:29      1497
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR_NRM                          Study :  1668 RT Mix2/Run3
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm     Label wndw:   1407 > 1587          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



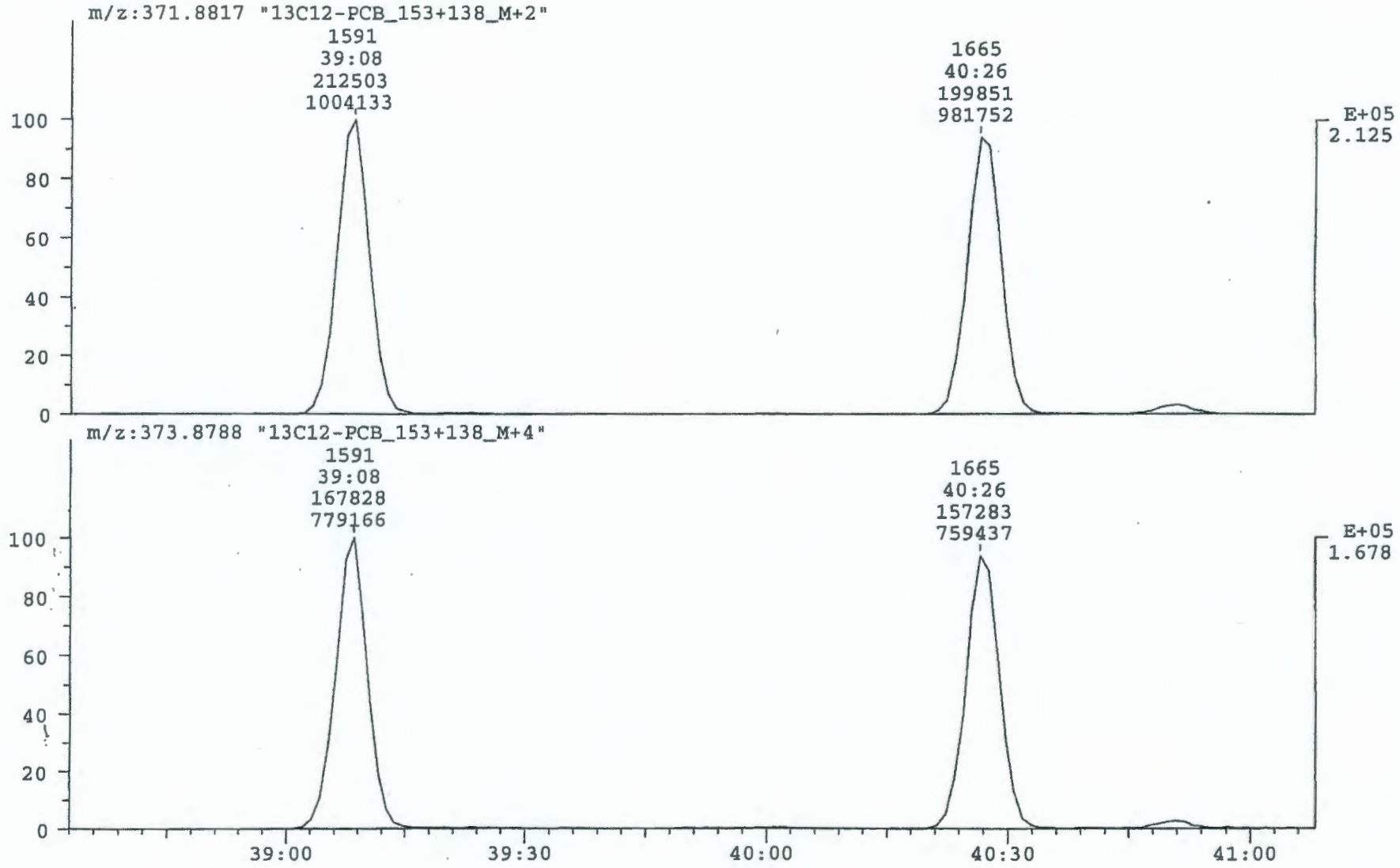
```
CHRO:  a07030723                                08-Mar-07  Elapse:  39:59      1639
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
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
```



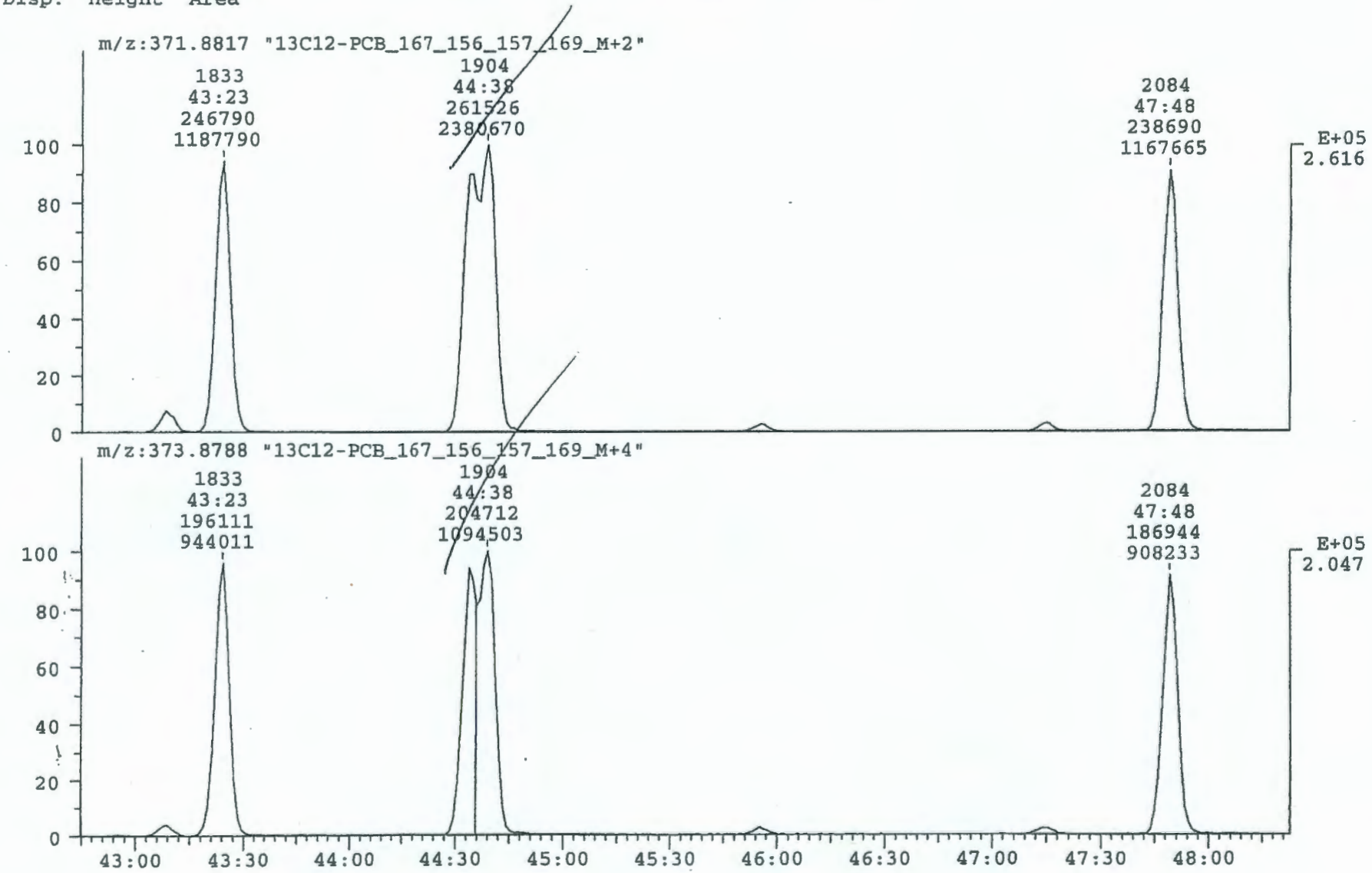
CHRO: a07030723 08-Mar-07 Elapse: 32:01 1191
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1166 > 1216 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



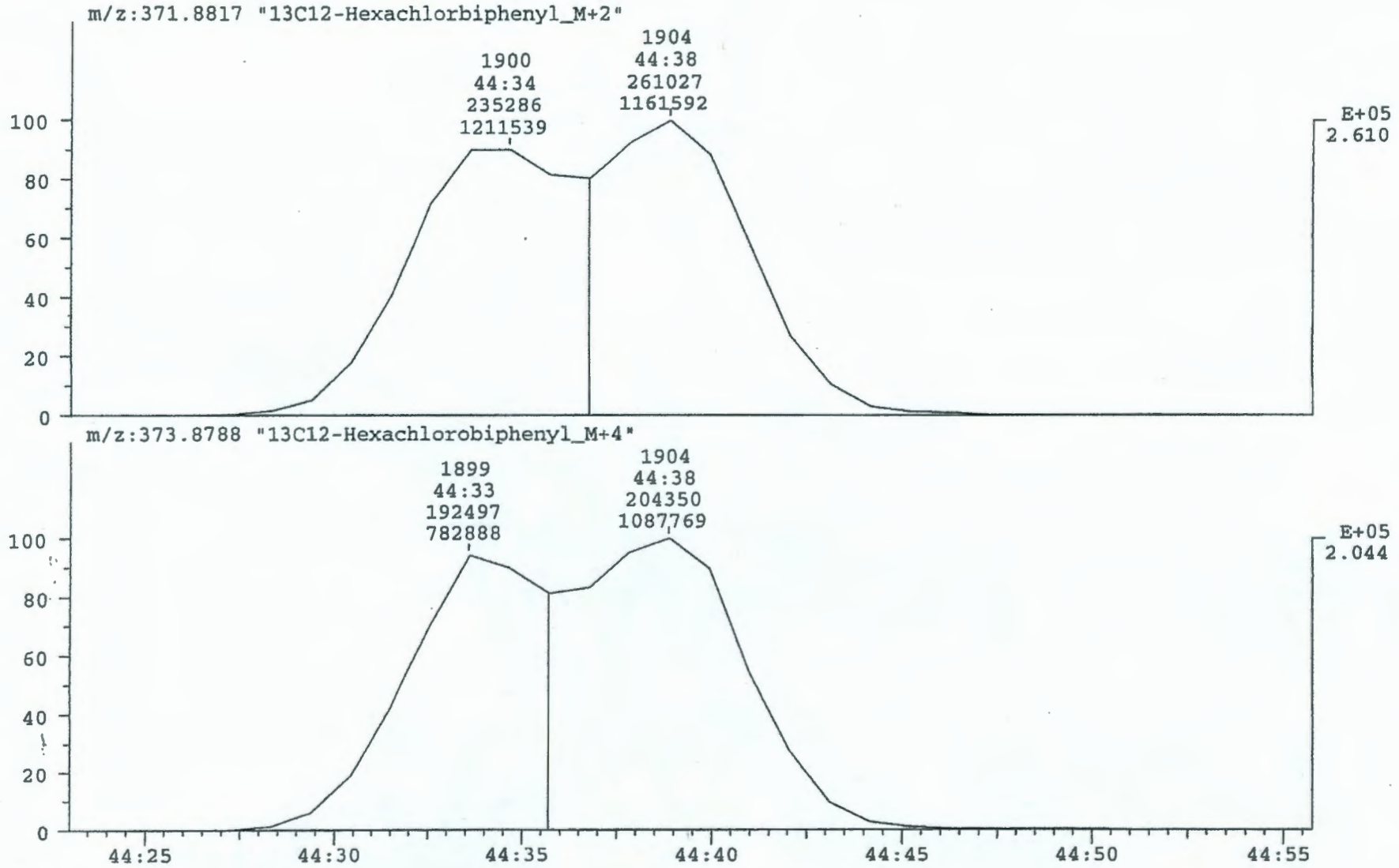
```
CHRO:  a07030723                                08-Mar-07  Elapse:  39:49      1630
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  4
Peak:  100.00  ppm      Label wndw:   1558 > 1704         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



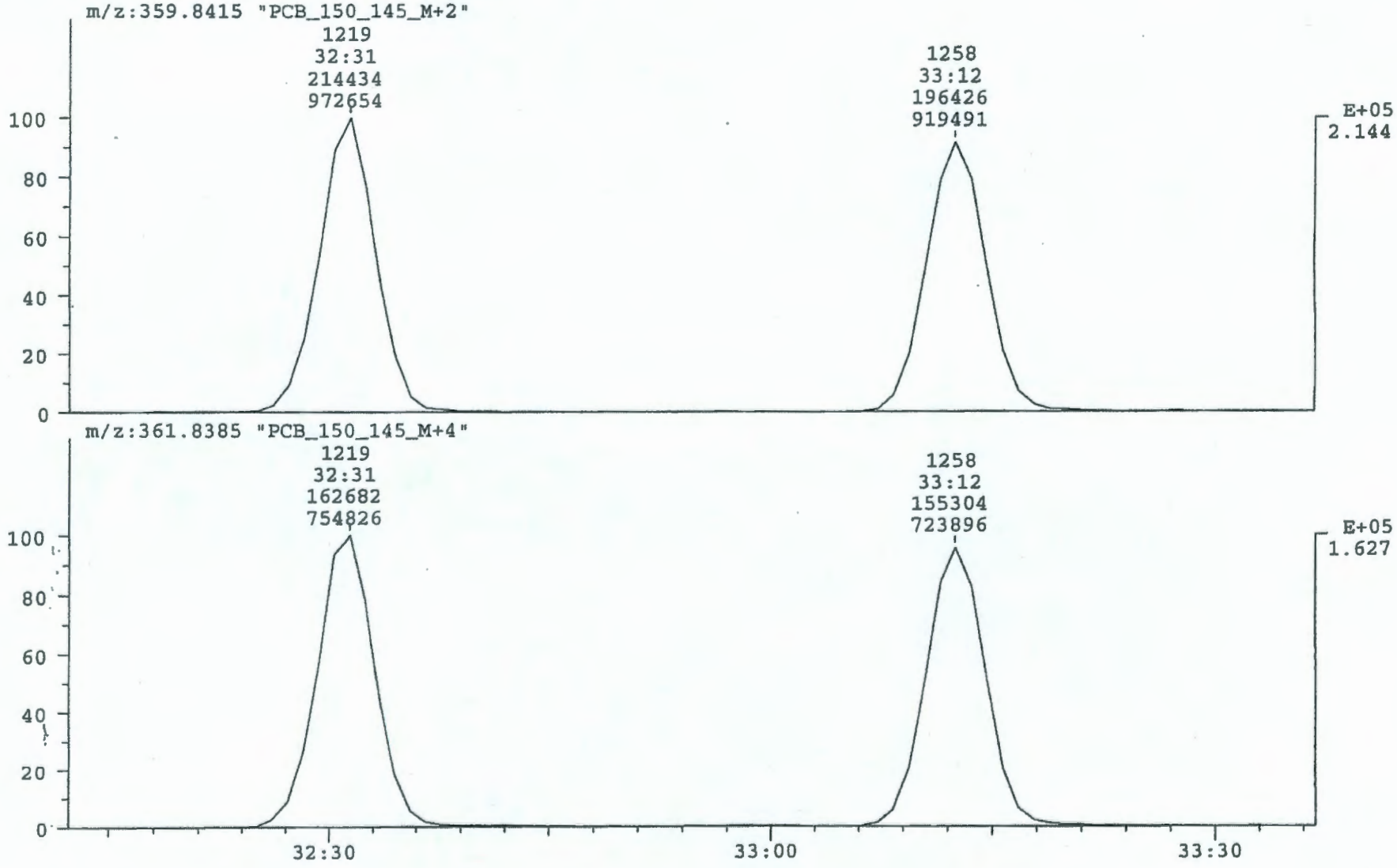
CHRO: a07030723 08-Mar-07 Elapse: 45:39 1961
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1796 > 2116 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



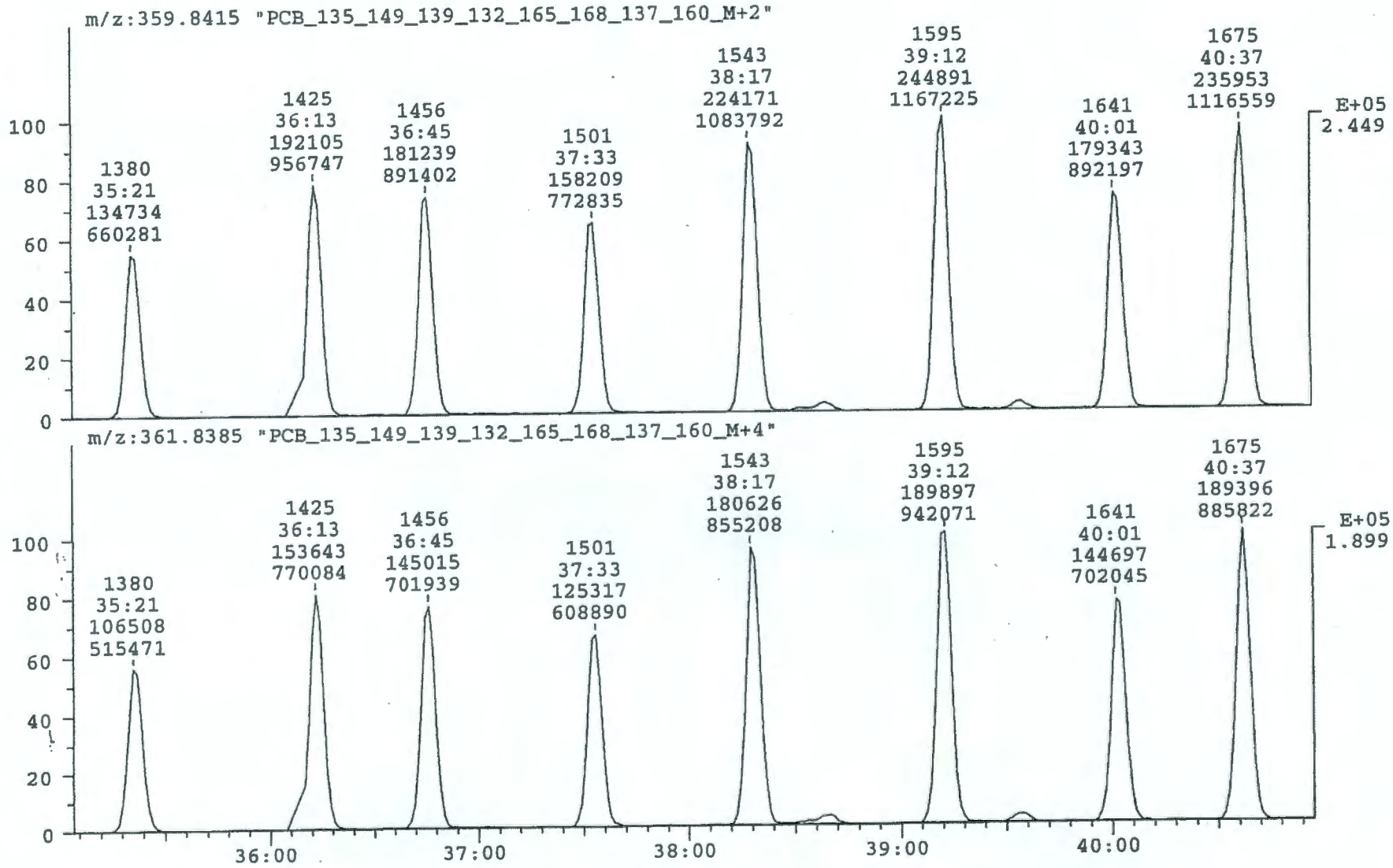
```
CHRO:  a07030723                              08-Mar-07   Elapse:  56:11      2555
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run3
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm     Label wndw:   1889 > 1920          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 2               Label :  -3, 3.0
Disp:  Height  Area
```



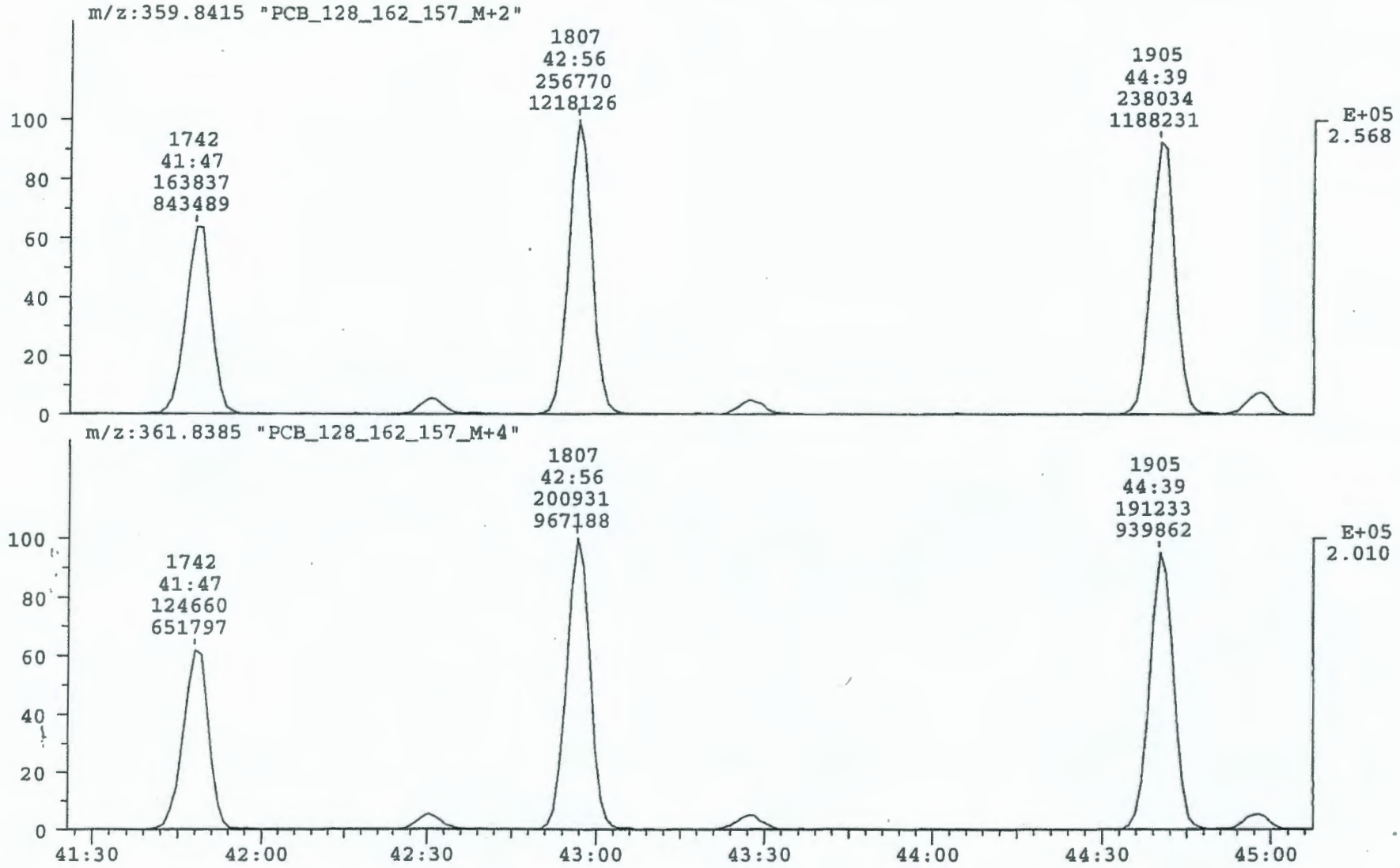
CHRO: a07030723 08-Mar-07 Elapse: 32:54 1241
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1201 > 1281 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



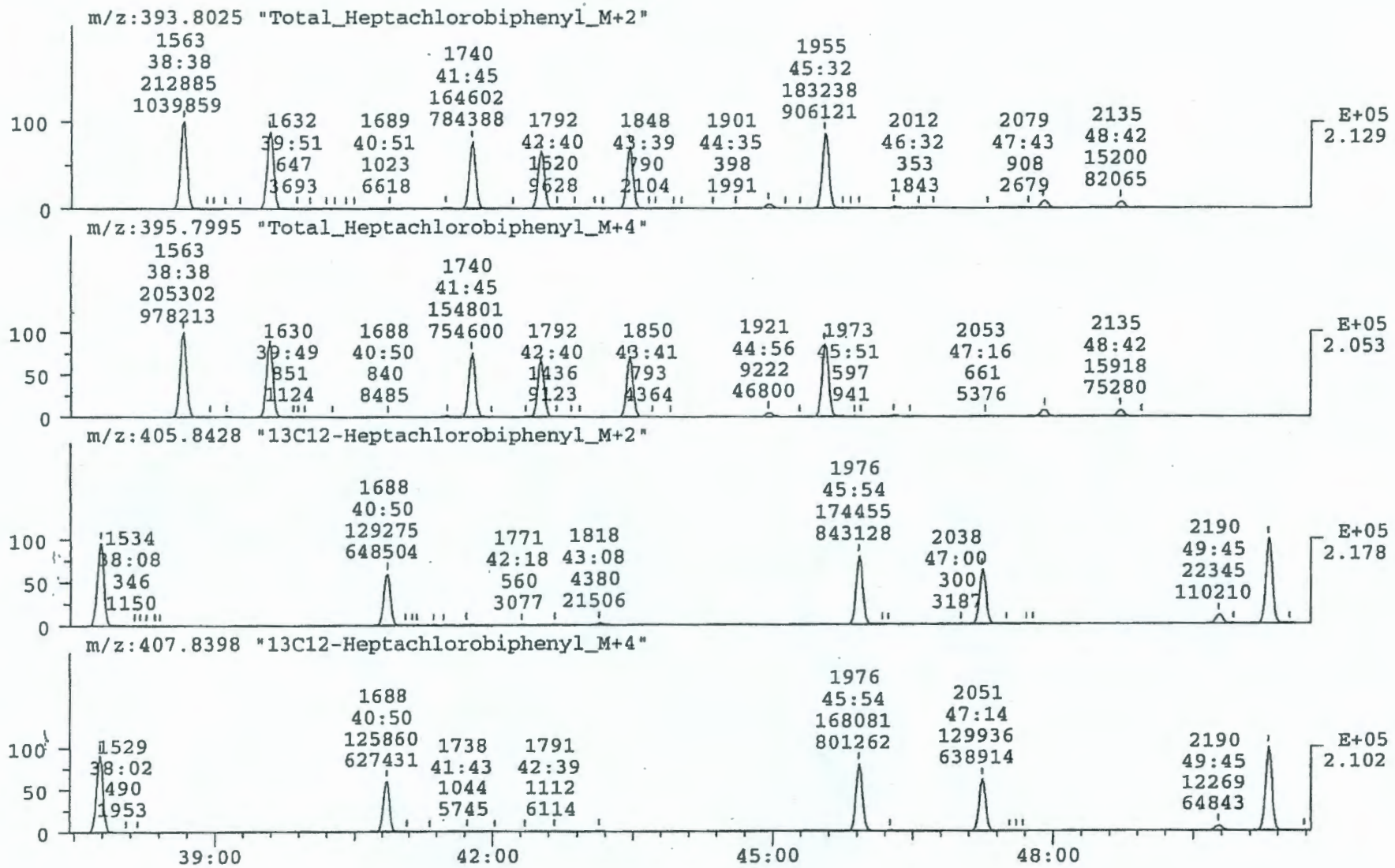
CHRO: a07030723 08-Mar-07 Elapse: 38:02 1529
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1364 > 1694 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



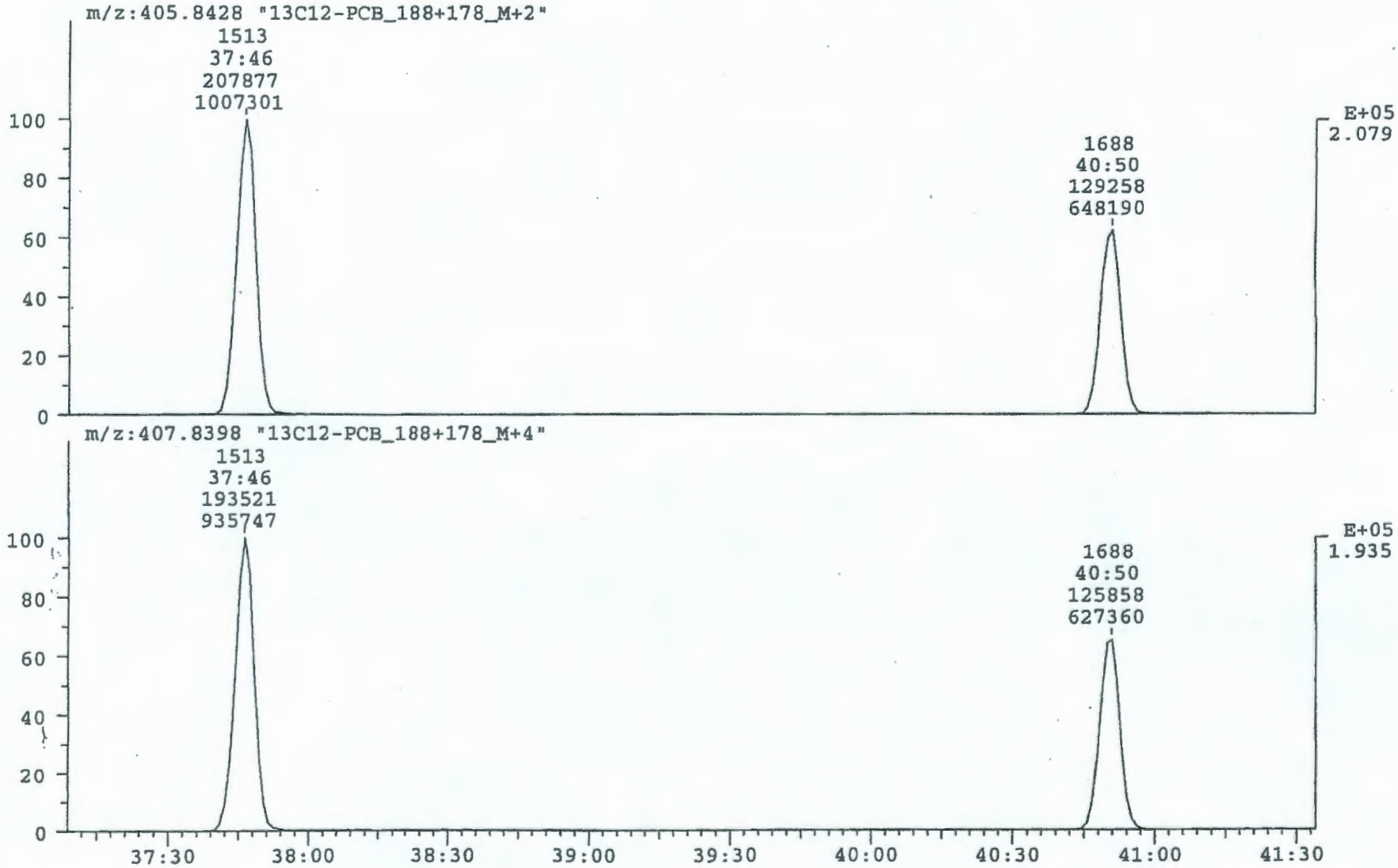
CHRO: a07030723 08-Mar-07 Elapse: 43:16 1826
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1721 > 1931 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



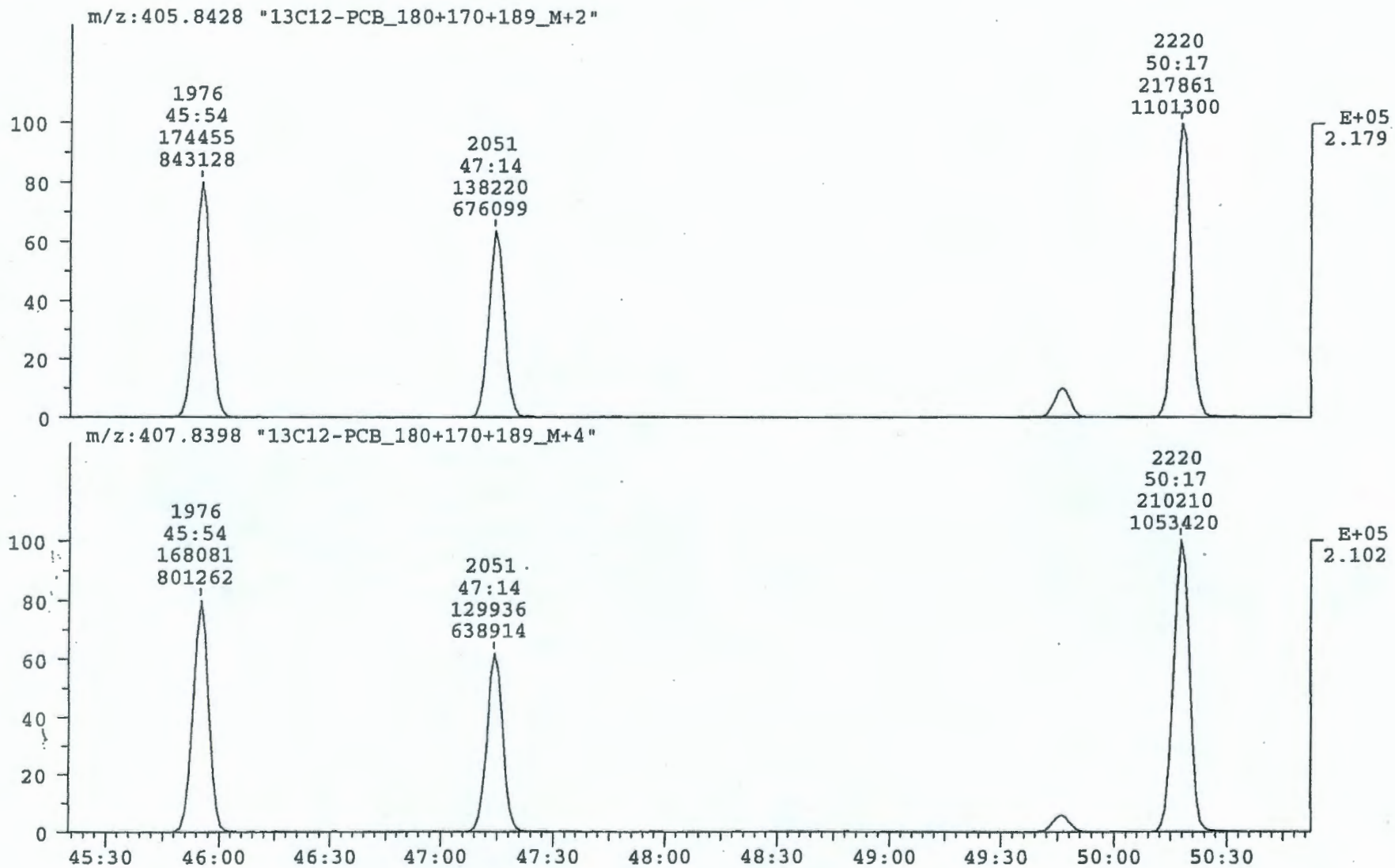
CHRO: a07030723 08-Mar-07 Elapse: 44:06 1873
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1495 > 2246 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



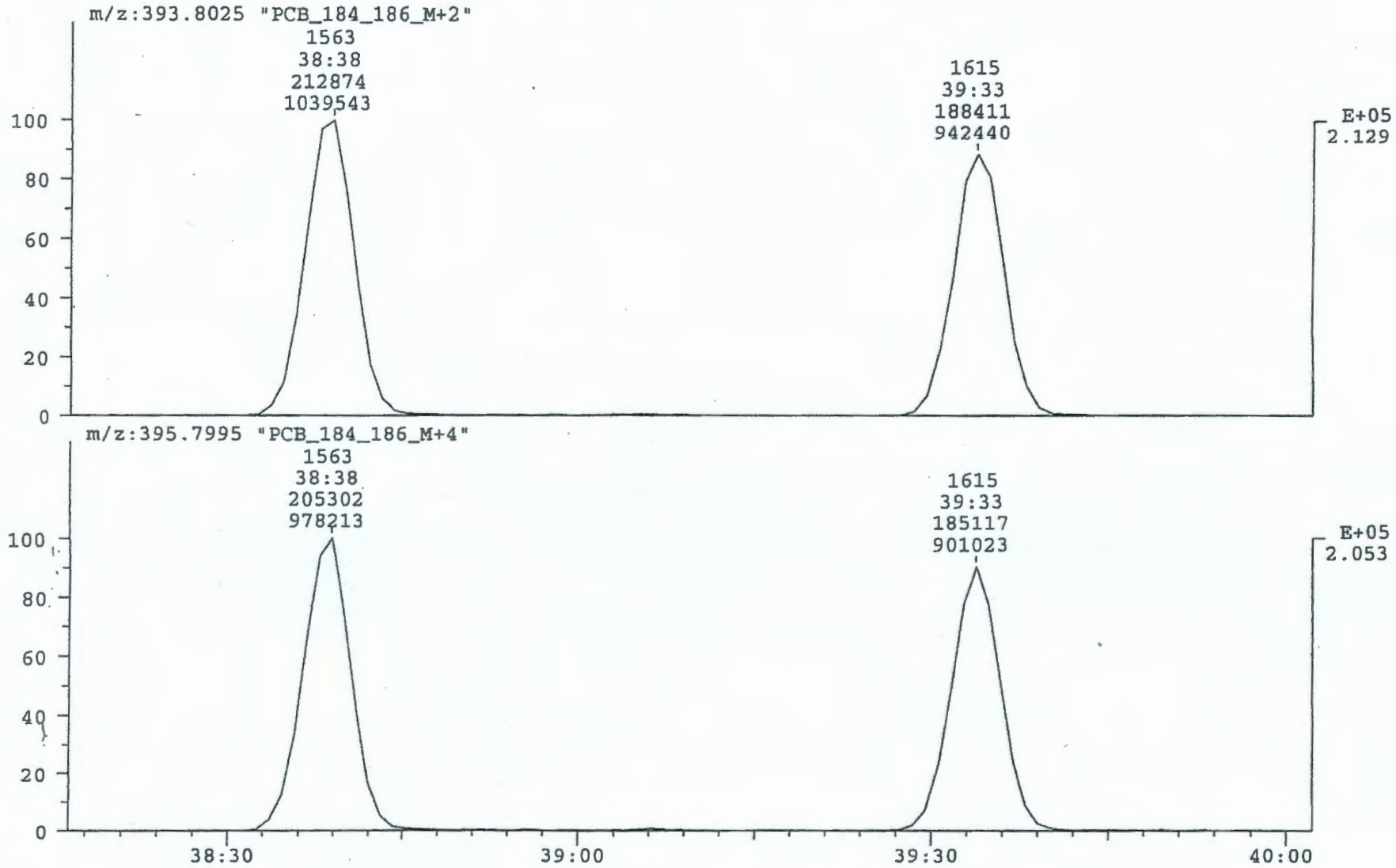
CHRO: a07030723 08-Mar-07 Elapse: 39:21 1603
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1478 > 1729 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



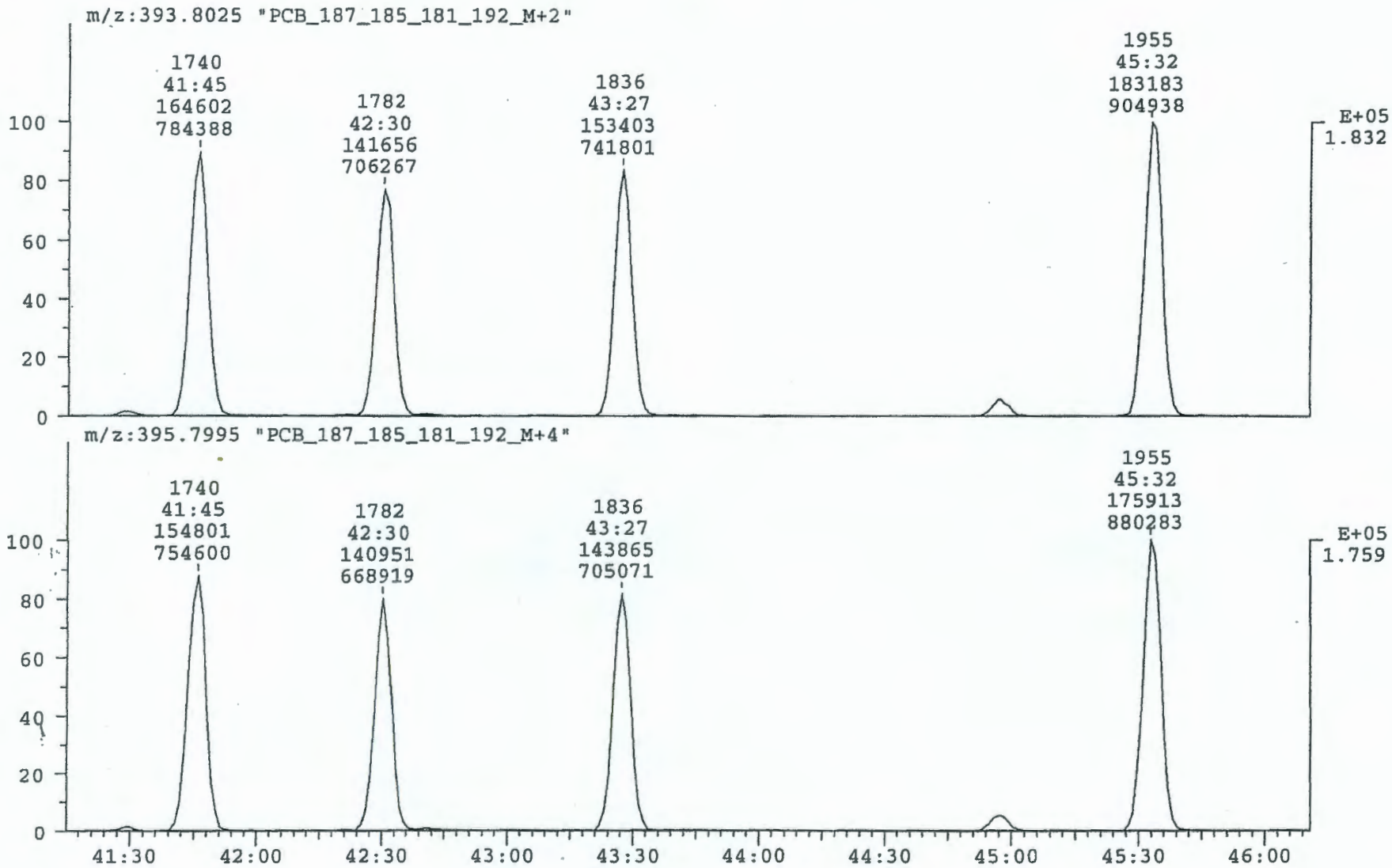
CHRO: a07030723 08-Mar-07 Elapse: 48:09 2103
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1943 > 2253 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



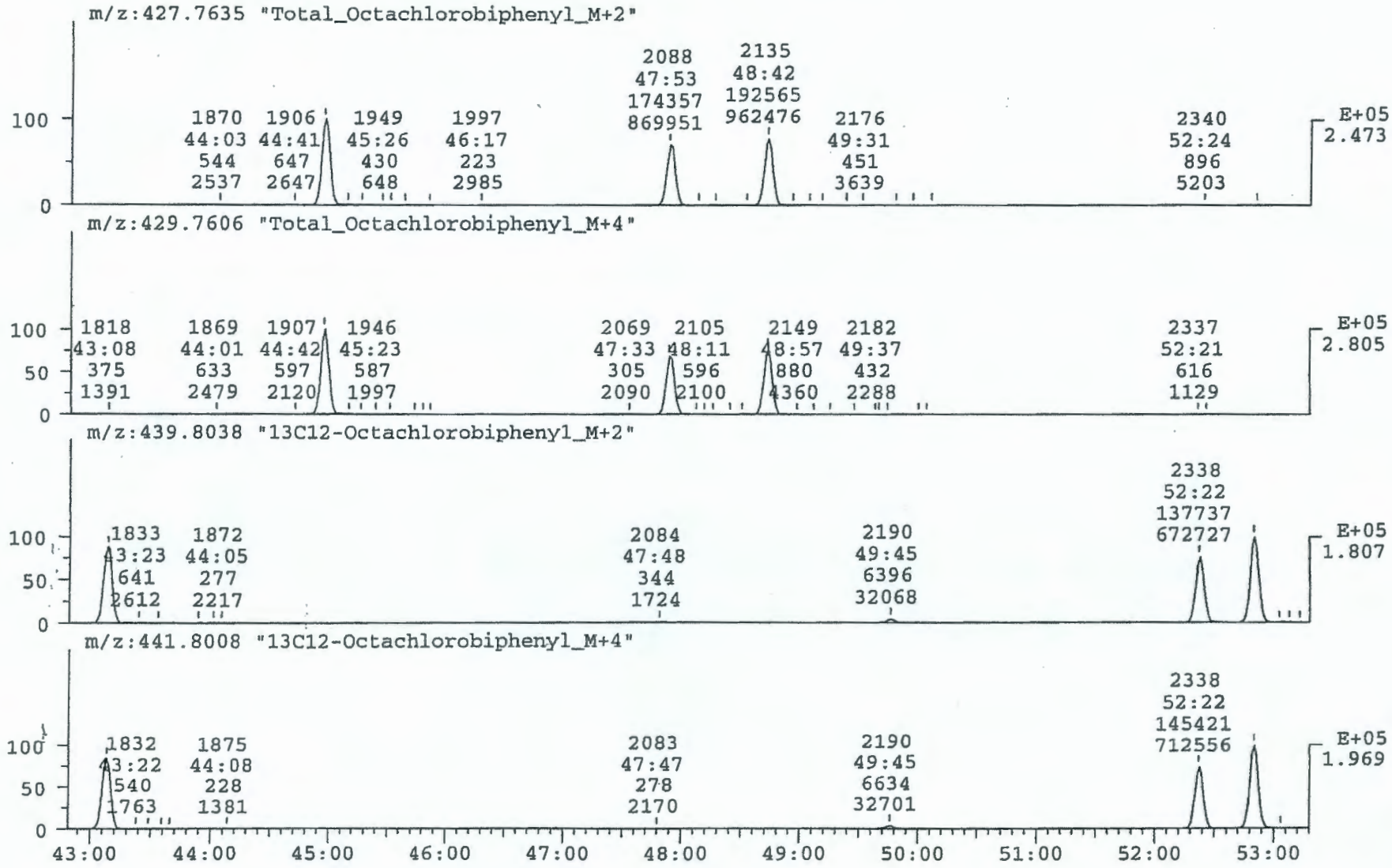
```
CHRO:  a07030723                                08-Mar-07   Elapse:  39:09      1592
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  04:22:11   2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1542 > 1642           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



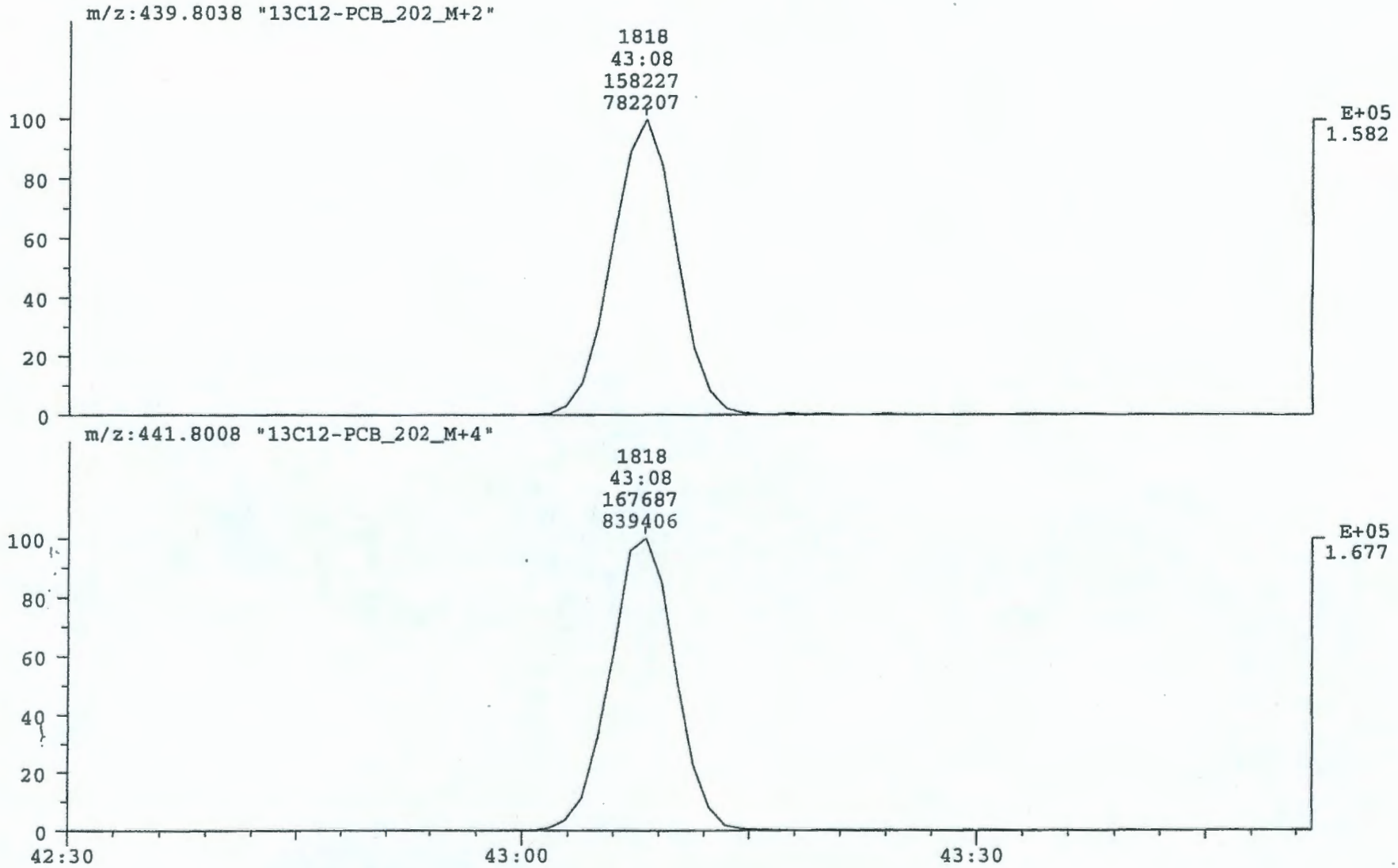
```
CHRO:  a07030723                                08-Mar-07  Elapse:  43:42      1851
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   4
Peak:  100.00  ppm      Label wndw:   1711 > 1991         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



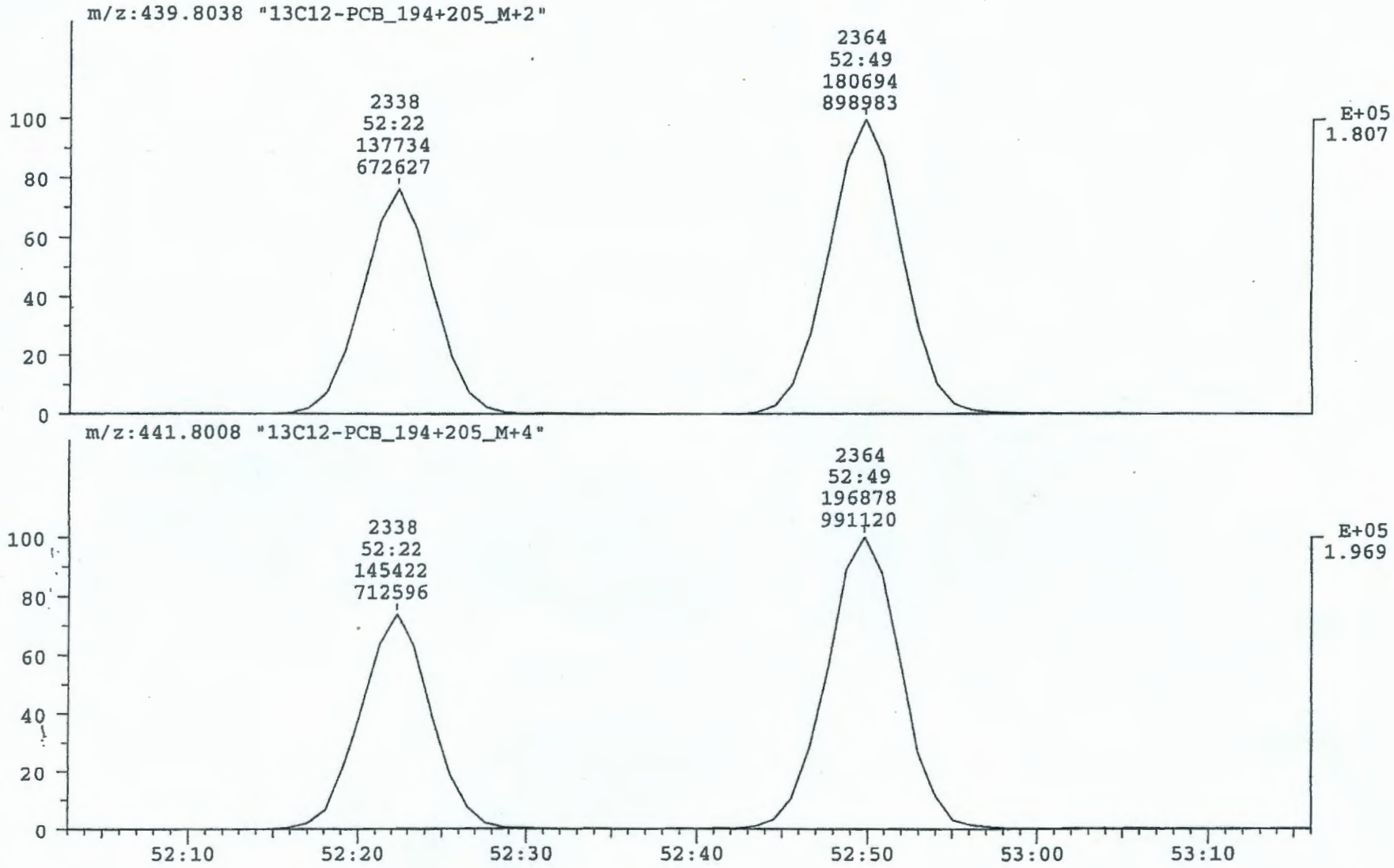
CHRO: a07030723 08-Mar-07 Elapse: 48:02 2097
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 1800 > 2391 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



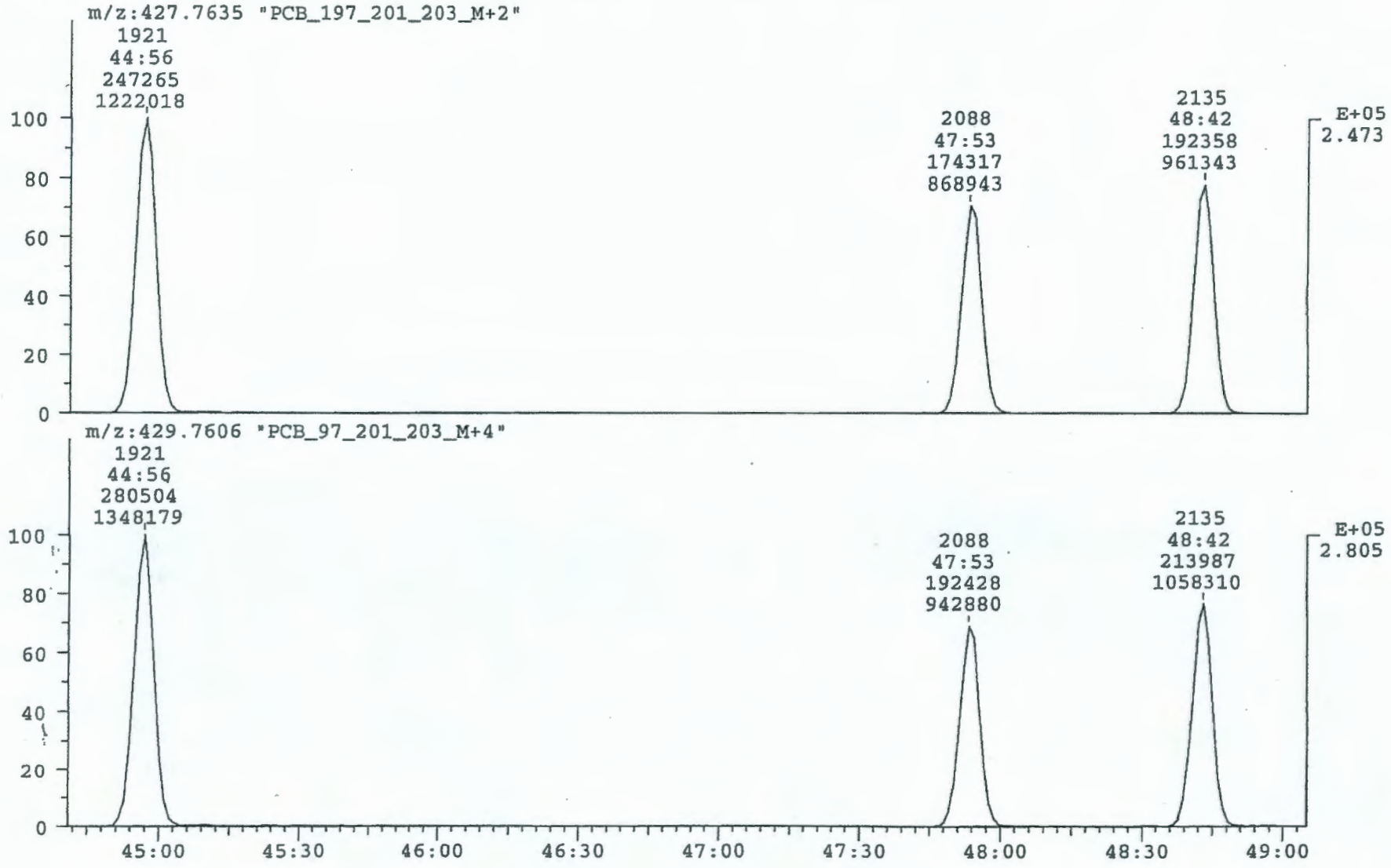
```
CHRO:  a07030723                                08-Mar-07  Elapse:  43:08      1818
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  4
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
```



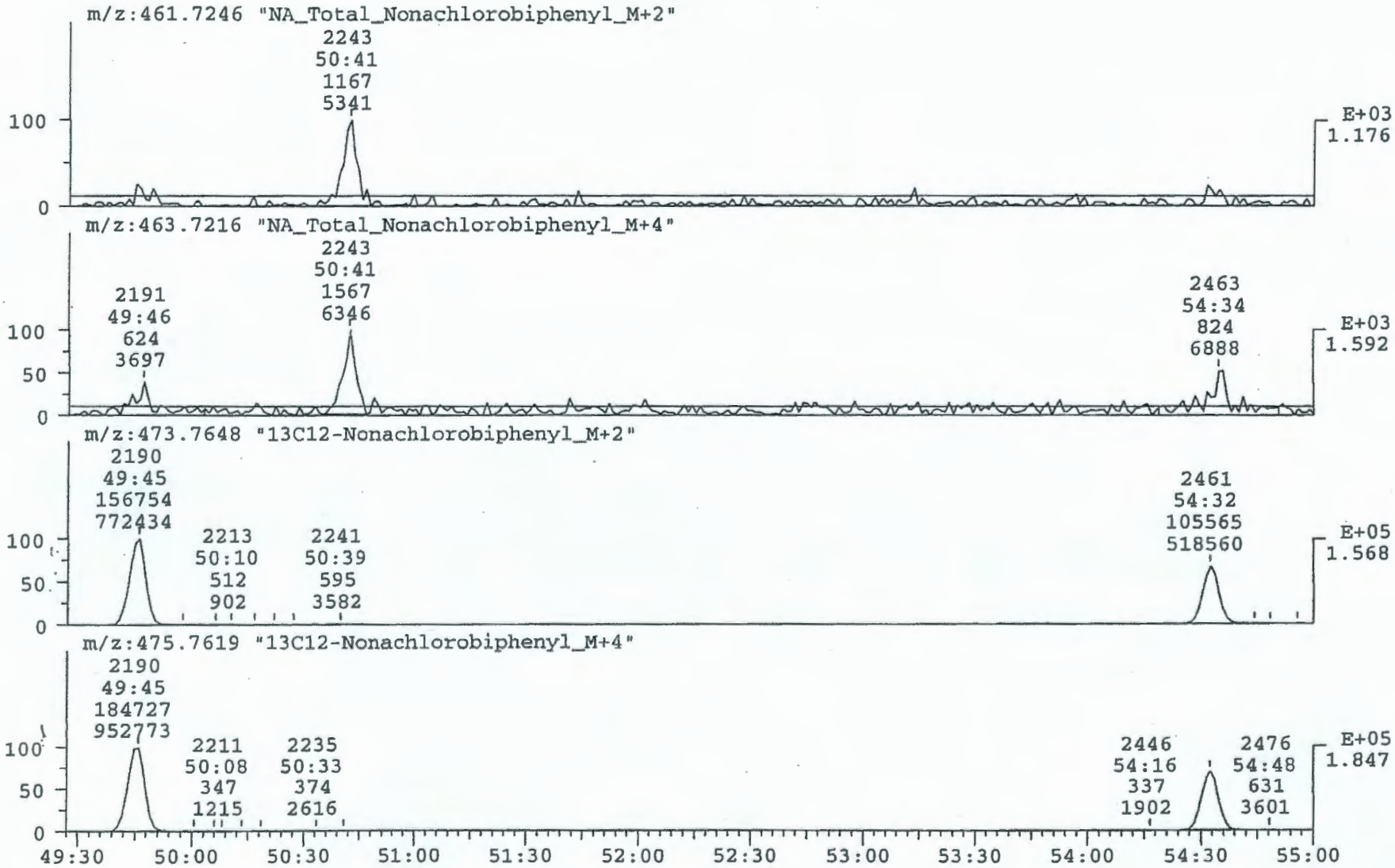
```
CHRO:  a07030723                                08-Mar-07   Elapse:  52:39      2354
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   4
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
```



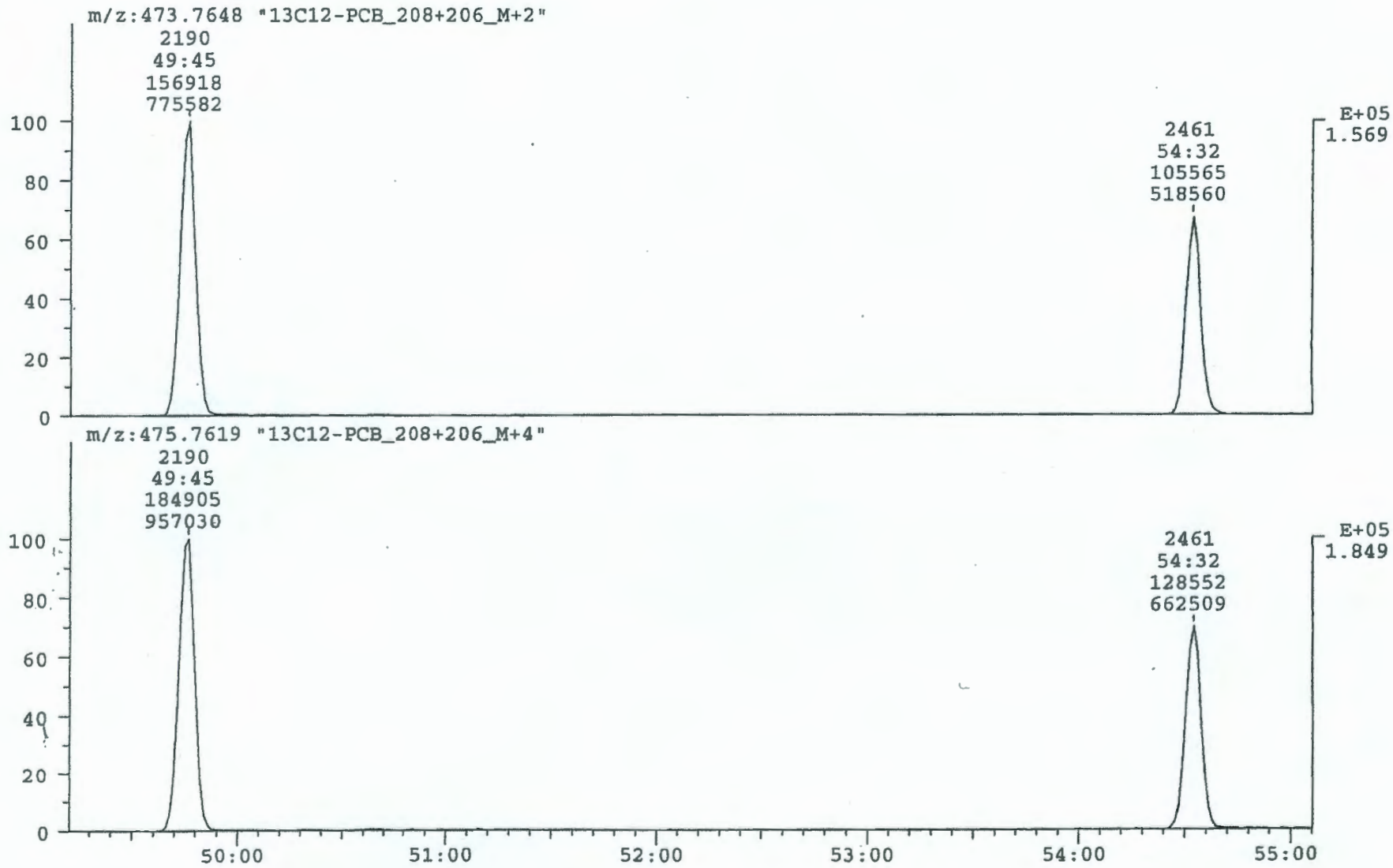
```
CHRO:  a07030723                                08-Mar-07   Elapse:  46:53      2031
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1                 Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  4
Peak:  100.00  ppm      Label wndw:   1906 > 2156           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



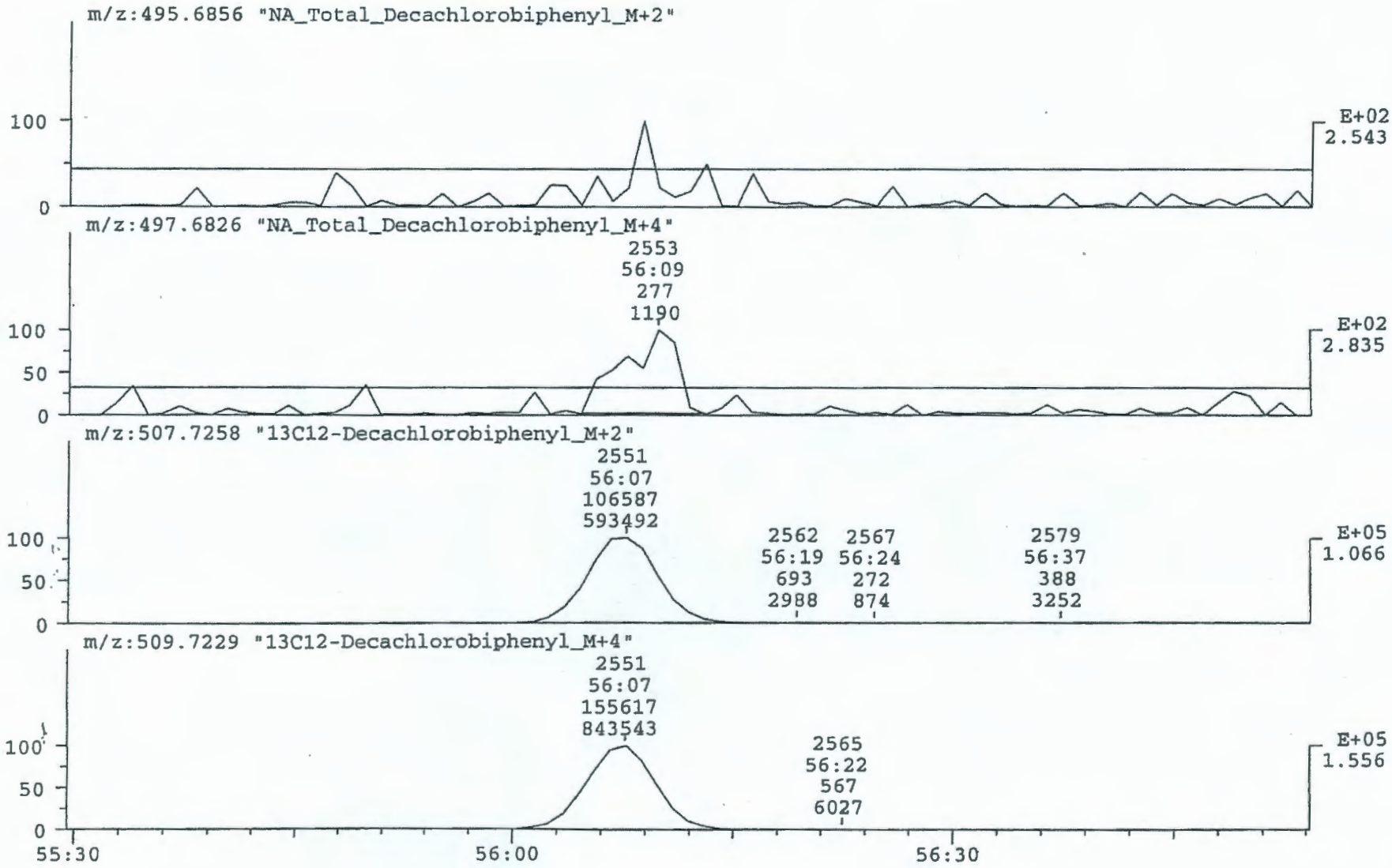
CHRO: a07030723 08-Mar-07 Elapse: 52:12 2329
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 2172 > 2487 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  a07030723                              08-Mar-07   Elapse:  52:11      2328
Samp:  Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1               Start :  04:22:11   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix2/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  4
Peak:  100.00  ppm      Label wndw:   2163 > 2493         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



CHRO: a07030723 08-Mar-07 Elapse: 56:11 2555
Samp: Vial 4 WO=2990:75Mix2 Meth=IE3 Dil=1 Start : 04:22:11 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix2/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 4
Peak: 100.00 ppm Label wndw: 2515 > 2595 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
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: a07030723
Study: 1668 RT Mix2/Run3
Sample: WO=2990:75Mix2 Meth=IE3 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: STL Knoxville
Comments: Inst=m1d/137819-2 Batch=20070307s1 Ccal=20050801i
Injected volume: 2.00
Sample from Vial 4
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 12 of list 070307
ICL procedure: sleep7x
MID procedure: epa1668n

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 | 22:01 min | 14:03 min | 36:04 min | 1.00 sec |
| # 3 | 36:05 min | 13:10 min | 49:15 min | 1.00 sec |
| # 4 | 49:16 min | 7:44 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 : epa1668n

| | | | |
|---|---|---|---|
| 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 | 1032.2528 |
| 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 | -18.7750 |
| DRAWC | 1.0000 | DRAWS | 0.0050 | ECORR | 0.9999 |
| ECURR | 1.0000 | EDAC | 7969177.0000 | EDACG | 0.9999 |
| EDACR | 23.0000 | EDACZ | 1160.0000 | ELEN | 67.4250 |
| EMULT | 1.5500 | ENS | 180.0000 | ERATIO | 1.0000 |
| ESA | 763.8000 | ESICUR | 10.0011 | ESIPAR | 0.0000 |
| EXS | 144.0000 | FDMA | 18000000.0000 | FLENS | 1.0000 |
| FM | 20.0000 | FMII | 50.0000 | FQUAD | 0.0000 |
| FREQ | 300.4808 | FSLOPE | 54000000.0000 | FVANAL | 257.0000 |
| FVINLET | 254.0000 | FVSRC | 854.0000 | FWIN | 0.7000 |
| GCTC | 204.0000 | GCTI | 270.0000 | GCTL | 280.0000 |
| HACCU | 208.0000 | HCURR | 1.3431 | HVANAL | 1296.0000 |
| HVSRC | 0.0000 | ICAL0 | 0.0011 | ICAL1 | 0.4030 |
| ICAL2 | 0.5865 | IONEN | 4771.6680 | 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 | 1800.0000 | LENSS | 21.0000 |
| LKM | 404.9760 | LM | 800.0000 | LMASS | 180.4888 |
| LMII | 500.0000 | MASS | 180.4888 | MDAC | 2346712.5794 |

| | | | | | |
|---|---|---|---|---|---|
| MDACR | 23.0000 | MRANGE | 1032.2528 | MSFM | 2.0000 |
| MSLM | 3790.0000 | NPEAK | 1.0000 | NSAM | 100.0000 |
| NSCAN | 2604.0000 | NSMAX | 8.0000 | NSMIN | 2.0000 |
| OCT | -2.0000 | PSAM | 10.0000 | PUSHER | -10.0000 |
| RDRAW | 0.0000 | RDRAWC | 0.0000 | RECURR | 0.0000 |
| RELEN | 0.0000 | RES | 10314.6723 | RFAMP | 799.9987 |
| RFCUR | 100.0110 | RPUSHER | 0.0000 | RWIN | 2.0000 |
| SACCU | 3.0000 | SCIDLE | 1.0000 | SHIELD | 2918.0000 |
| SHIELDS | 0.0000 | SHIGH | 180.0000 | SKIM | 7.0000 |
| SLOW | 60.0000 | SPRAY | 8.0000 | SS | 3.0000 |
| SW | 0.0500 | TANAL | 420.7500 | TCURR | 0.6641 |
| 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 | 2.1750 | USERVAR | 0.0000 | VAPTEMP | 599.9997 |
| VAPTSET | 400.0000 | VMASS | 180.4888 | XLENS | 2000.0000 |
| XLENSS | -34.8000 | YLENS | 2600.0000 | YLENSS | -24.8000 |

Scantype is electric
Sourcemode is EI POS

Analysis started at: 08-Mar-07 04:22:11.3

Autosampler has injected sample from vial 4
MID Time Window 1: Resolution is 6961
MID Time Window 2: Resolution is 7472
MID Time Window 3: Resolution is 8573
MID Time Window 4: Resolution is 8803
Analysis stopped at: 08-Mar-07 05:19:14.1 (run time 57.03 minutes)
Analysis stopped because MID run finished

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX3 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030731. | Prep Date | | SDG No | |
| Analysis ID | 96245 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 19:07 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | | | | | 188.0393 | 190.0363 | 188.0393 | 190.0363 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 200 | | | | | 200.0795 | 202.0766 | 200.0795 | 202.0766 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 178 | 288 | 71 | 115 | 0.62 * | / | |
| | 13C12-PCB 1 | 12:12 | 00:00 | 0 | 2376368 | 748856 | 990513 | 310363 | 3.17 | AVV/AVV | |
| | 13C12-PCB 3 | 14:25 | 00:00 | 0 | 2355713 | 725780 | 785824 | 243994 | 3.25 | AVV/AVV | |
| 222 | | | | | 222.0003 | 223.9974 | 222.0003 | 223.9974 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 200 | 318 | 80 | 127 | 0.63 * | / | |
| | PCB 13 (BZ) | 20:21 | 00:00 | 0 | 902356 | 558493 | 223282 | 141901 | 1.62 | AVV/ABV | |
| 234 | | | | | 234.0406 | 236.0376 | 234.0406 | 236.0376 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 385 | 223 | 154 | 89 | 1.73 | / | |
| | 13C12-PCB 4 | 14:43 | 00:00 | 0 | 1046324 | 644556 | 342599 | 208291 | 1.62 | AVV/ABV | |
| | 13C12-PCB 9 | 16:40 | 00:00 | 0 | 1762382 | 1084802 | 538327 | 326902 | 1.62 | ABV/AVV | |
| | 13C12-PCB 8 | 17:33 | 00:00 | 0 | 1815936 | 1129868 | 509980 | 312330 | 1.61 | AVV/AVV | |
| | 13C12-PCB 15 | 20:41 | 00:00 | 0 | 1807378 | 1112368 | 459906 | 290556 | 1.62 | AVV/ABV | |
| 256 | | | | | 255.9613 | 257.9584 | 255.9613 | 257.9584 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 185 | 140 | 74 | 56 | 1.32 * | / | |
| | PCB 17 (BZ) | 20:11 | 00:00 | 0 | 408683 | 383263 | 107161 | 103297 | 1.07 | ABV/ABV | |
| | PCB 29 (BZ) | 22:52 | 00:00 | 0 | 810476 | 805208 | 200695 | 194695 | 1.01 | ABV/ABV | |
| | PCB 20 (BZ) | 23:48 | 00:00 | 0 | 745941 | 730544 | 179490 | 176179 | 1.02 | ABV/ABV | D |
| 268 | | | | | 268.0016 | 269.9986 | 268.0016 | 269.9986 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 538 | 260 | 215 | 104 | 2.07 * | / | |
| | 13C12-PCB 19 | 17:54 | 00:00 | 0 | 634906 | 591004 | 175588 | 166299 | 1.07 | AVV/AVV | |
| | 13C12-PCB 32 | 21:10 | 00:00 | 0 | 1163117 | 1076366 | 296356 | 285643 | 1.08 | AVV/AVV | |
| | 13C12-PCB 31 | 23:25 | 00:00 | 0 | 1678253 | 1595217 | 412421 | 393519 | 1.05 | AVV/ABV | |
| | 13C12-PCB 28 | 23:42 | 00:00 | 0 | 1532212 | 1468386 | 370899 | 359667 | 1.04 | AVV/AVV | |
| | 13C12-PCB 37 | 27:47 | 00:00 | 0 | 1473088 | 1384100 | 326689 | 303811 | 1.06 | ABV/ABV | |
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 170 | 328 | 68 | 131 | 0.52 * | / | |
| | PCB 46 (BZ) | 24:15 | 00:00 | 0 | 687652 | 883235 | 166424 | 213002 | 0.78 | ABV/ABV | D |
| | PCB 65 (BZ) | 26:33 | 00:00 | 0 | 1102249 | 1414520 | 252088 | 333158 | 0.78 | ABV/AVV | |
| | PCB 59 (BZ) | 26:56 | 00:00 | 0 | 1107222 | 1401171 | 246471 | 311870 | 0.79 | AVV/AVV | M |
| | PCB 40 (BZ) | 27:42 | 00:00 | 0 | 604741 | 793056 | 134445 | 176036 | 0.76 | ABV/ABB | D |
| | PCB 67 (BZ) | 29:44 | 00:00 | 0 | 1269252 | 1667190 | 278524 | 363229 | 0.76 | ABV/AVV | D |
| | PCB 76 (BZ) | 30:22 | 00:00 | 0 | 1149711 | 1475502 | 246322 | 320030 | 0.78 | AVV/AVV | M |
| | PCB 80 (BZ) | 31:54 | 00:00 | 0 | 1316308 | 1653102 | 281392 | 348792 | 0.80 | ABV/ABV | D |
| 302 | | | | | 301.9626 | 303.9597 | 301.9626 | 303.9597 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 150 | 148 | 60 | 59 | 1.02 * | / | |
| | 13C12-PCB 54 | 21:03 | 00:00 | 0 | 575596 | 695303 | 145238 | 172410 | 0.83 | ABV/ABV | |
| | 13C12-PCB 52 | 25:34 | 00:00 | 0 | 803917 | 1019183 | 190731 | 240664 | 0.79 | ABV/ABV | |
| | 13C12-PCB 79 | 33:29 | 00:00 | 0 | 1166125 | 1470568 | 250659 | 320875 | 0.79 | ABV/ABV | D |
| | 13C12-PCB 81 | 34:32 | 00:00 | 0 | 1042045 | 1303500 | 211983 | 266992 | 0.80 | ABV/ABV | D |
| | 13C12-PCB 77 | 35:06 | 00:00 | 0 | 1073073 | 1326824 | 216594 | 266047 | 0.81 | ABB/ABV | D |
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |

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*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX3 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030731. | Prep Date | | SDG No | |
| Analysis ID | 96245 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 19:07 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 210 | 198 | 84 | 79 | 1.06 * | / | |
| | PCB 93 (BZ) | 29:44 | 00:00 | 0 | 855919 | 523171 | 195093 | 117876 | 1.64 | ABV/ABV | D |
| | PCB 84 (BZ) | 30:40 | 00:00 | 0 | 805015 | 502014 | 173928 | 109175 | 1.60 | ABV/ABV | D |
| | PCB 101 (BZ) | 32:24 | 00:00 | 0 | 1082471 | 691593 | 230589 | 151072 | 1.57 | ABV/ABV | DM |
| | PCB 112 (BZ) | 33:06 | 00:00 | 0 | 1322618 | 824124 | 278975 | 176722 | 1.60 | AVV/AVV | D |
| | PCB 86 (BZ) | 33:30 | 00:00 | 0 | 881846 | 556902 | 185546 | 116677 | 1.58 | AVV/AVV | DM |
| | PCB 116 (BZ) | 34:12 | 00:00 | 0 | 1252531 | 787490 | 268902 | 166009 | 1.59 | ABV/ABV | D |
| | PCB 107 (BZ)/109 (IUPAC | 36:56 | 00:00 | 0 | 1637056 | 1055143 | 322366 | 209450 | 1.55 | AVV/AVV | D |
| 338 | | | | | 337.9207 | 339.9178 | 337.9207 | 339.9178 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 150 | 138 | 60 | 55 | 1.09 * | / | |
| | 13C12-PCB 104 | 26:30 | 00:00 | 0 | 1223191 | 751021 | 271782 | 168014 | 1.63 | ABV/ABV | D |
| | 13C12-PCB 95 | 29:30 | 00:00 | 0 | 922356 | 569493 | 198209 | 121001 | 1.62 | ABV/ABV | D |
| | 13C12-PCB 101 | 32:23 | 00:00 | 0 | 969094 | 626203 | 212003 | 139274 | 1.55 | ABV/ABV | |
| | 13C12-PCB 111 | 35:00 | 00:00 | 0 | 1232381 | 766647 | 264286 | 163908 | 1.61 | ABV/ABV | |
| | 13C12-PCB 123 | 37:02 | 00:00 | 0 | 1472037 | 916854 | 319445 | 194406 | 1.61 | ABV/ABV | D |
| | 13C12-PCB 118 | 37:21 | 00:00 | 0 | 1544046 | 954718 | 332821 | 203248 | 1.62 | AVV/AVV | D |
| | 13C12-PCB 114 | 37:54 | 00:00 | 0 | 1490758 | 915507 | 304354 | 191611 | 1.63 | AVV/AVV | D |
| | 13C12-PCB 105 | 38:36 | 00:00 | 0 | 1453908 | 891033 | 301823 | 190723 | 1.63 | AVB/ABB | D |
| | 13C12-PCB 127 | 39:59 | 00:00 | 0 | 1611178 | 1009735 | 338575 | 210443 | 1.60 | ABV/ABV | |
| | 13C12-PCB 126 | 41:39 | 00:00 | 0 | 1566892 | 981595 | 318475 | 194949 | 1.60 | ABV/ABV | D |
| 360 | | | | | 359.8415 | 361.8385 | 359.8415 | 361.8385 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 313 | 225 | 125 | 90 | 1.39 | / | |
| | PCB 154 (BZ) | 35:29 | 00:00 | 0 | 909158 | 717307 | 193605 | 151417 | 1.27 | ABV/ABV | D |
| | PCB 147 (BZ) | 36:13 | 00:00 | 0 | 1042003 | 828682 | 204355 | 161207 | 1.26 | ABV/ABV | D |
| | PCB 140 (BZ) | 36:50 | 00:00 | 0 | 969166 | 761086 | 202343 | 155079 | 1.27 | AVV/AVV | DM |
| | PCB 146 (BZ) | 38:35 | 00:00 | 0 | 1011436 | 800642 | 211614 | 166324 | 1.26 | ABV/AVV | D |
| | PCB 141 (BZ) | 39:27 | 00:00 | 0 | 929808 | 744490 | 189400 | 149732 | 1.25 | AVV/AVV | D |
| | PCB 164 (BZ) | 40:12 | 00:00 | 0 | 1288454 | 1025213 | 272680 | 216295 | 1.26 | ABV/ABV | |
| | PCB 158 (BZ) | 40:52 | 00:00 | 0 | 1358756 | 1086066 | 278019 | 225783 | 1.25 | AVV/AVV | |
| 372 | | | | | 371.8817 | 373.8788 | 371.8817 | 373.8788 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 295 | 138 | 118 | 55 | 2.15 * | / | |
| | 13C12-PCB 155 | 32:03 | 00:00 | 0 | 1035373 | 797032 | 219527 | 171972 | 1.30 | ABV/ABV | D |
| | 13C12-PCB 153 | 39:10 | 00:00 | 0 | 1041032 | 822917 | 221498 | 177432 | 1.27 | ABV/ABV | D |
| | 13C12-PCB 138 | 40:28 | 00:00 | 0 | 1041512 | 809730 | 217172 | 168868 | 1.29 | ABV/ABV | |
| | 13C12-PCB 167 | 43:25 | 00:00 | 0 | 1312232 | 1027584 | 265242 | 206532 | 1.28 | AVV/AVV | |
| | 13C12-PCB 156 | 44:36 | 00:00 | 0 | 1254614 | 1002174 | 258072 | 208241 | 1.25 | ABV/ABV | D |
| | 13C12-PCB 157 | 44:40 | 00:00 | 0 | 1292073 | 1018869 | 285198 | 226941 | 1.27 | AVB/AVB | M |
| | 13C12-PCB 169 | 47:51 | 00:00 | 0 | 1229600 | 971945 | 247918 | 192736 | 1.27 | ABV/ABV | D |
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 185 | 195 | 74 | 78 | 0.95 | / | |
| | PCB 182 (BZ) | 41:58 | 00:00 | 0 | 835194 | 790906 | 173685 | 164957 | 1.06 | AVV/AVV | D |
| | PCB 174 (BZ) | 42:43 | 00:00 | 0 | 779724 | 747918 | 161375 | 155089 | 1.04 | AVV/AVV | D |
| | PCB 173 (BZ) | 43:45 | 00:00 | 0 | 680339 | 646144 | 133285 | 130414 | 1.05 | AVV/ABV | DM |

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  H = peak outside first/last  X = peak has dup match

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX3 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030731. | Prep Date | | SDG No | |
| Analysis ID | 96245 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 19:07 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

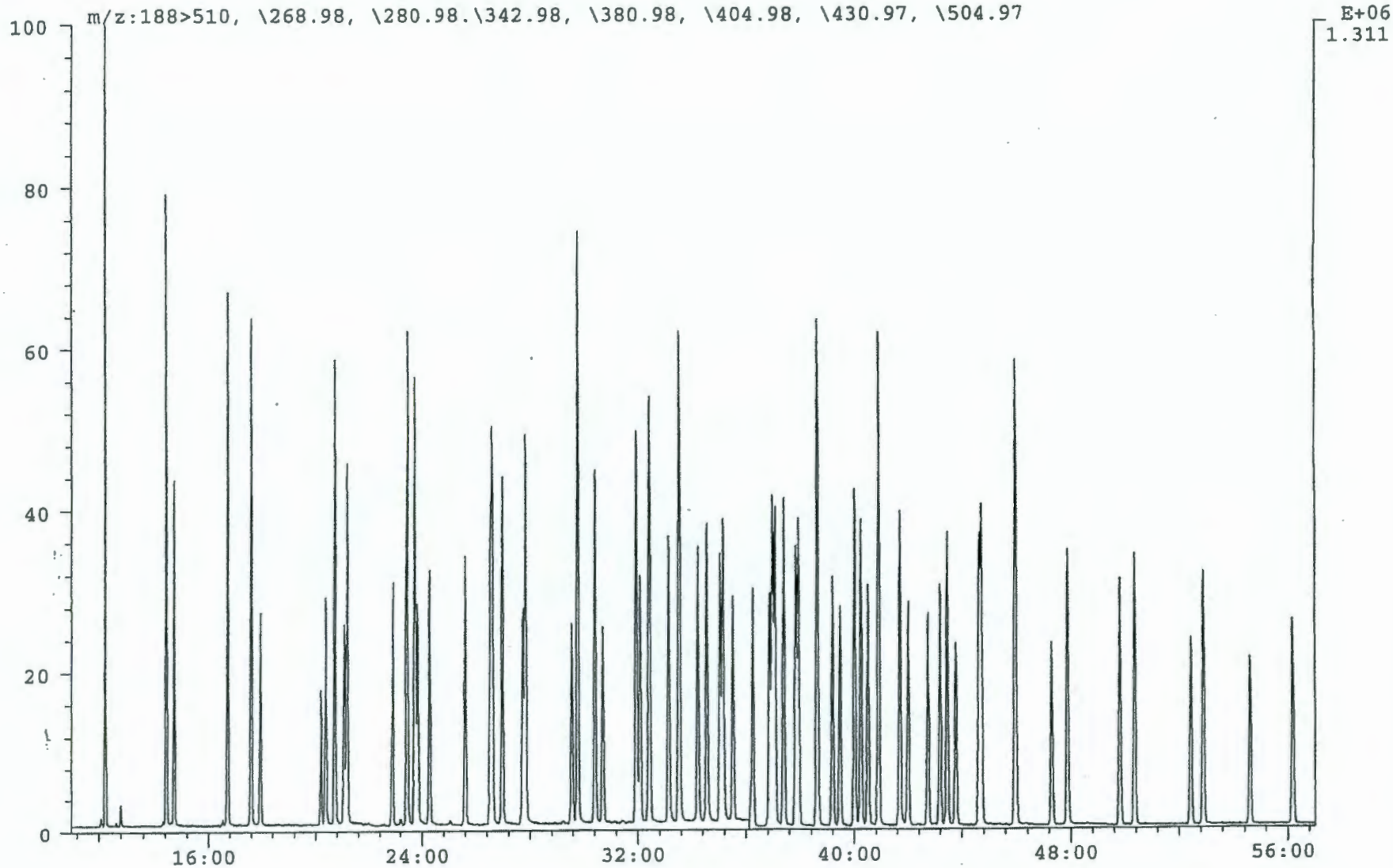
View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | PCB 193 (BZ) | 45:55 | 00:00 | 0 | 1117791 | 1068664 | 224762 | 210716 | 1.05 | ABB/ABV | D |
| 406 | | | | | 405.8428 | 407.8398 | 405.8428 | 407.8398 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 150 | 190 | 60 | 76 | 0.79 * | / | |
| | 13C12-PCB 188 | 37:47 | 00:00 | 0 | 1094818 | 1021505 | 224341 | 217596 | 1.07 | ABV/ABV | D |
| | 13C12-PCB 178 | 40:53 | 00:00 | 0 | 700547 | 653764 | 143391 | 134424 | 1.07 | ABV/ABV | |
| | 13C12-PCB 180 | 45:56 | 00:00 | 0 | 902581 | 860688 | 180871 | 174848 | 1.05 | ABV/ABV | |
| | 13C12-PCB 170 | 47:16 | 00:00 | 0 | 728550 | 692606 | 144003 | 139174 | 1.05 | AVV/AVV | |
| | 13C12-PCB 189 | 50:19 | 00:00 | 0 | 1140424 | 1103495 | 224814 | 220004 | 1.03 | ABV/ABV | D |
| 428 | | | | | 427.7635 | 429.7606 | 427.7635 | 429.7606 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 440 | | | | | 439.8038 | 441.8008 | 439.8038 | 441.8008 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 155 | 145 | 62 | 58 | 1.07 * | / | |
| | 13C12-PCB 202 | 43:09 | 00:00 | 0 | 851355 | 941636 | 177076 | 195972 | 0.90 | ABV/ABV | D |
| | 13C12-PCB 194 | 52:24 | 00:00 | 0 | 704032 | 754527 | 141483 | 149546 | 0.93 | ABV/ABV | |
| | 13C12-PCB 205 | 52:51 | 00:00 | 0 | 952529 | 1070837 | 188996 | 213372 | 0.89 | AVV/ABV | |
| 462 | | | | | 461.7246 | 463.7216 | 461.7246 | 463.7216 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 474 | | | | | 473.7648 | 475.7619 | 473.7648 | 475.7619 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 173 | 163 | 69 | 65 | 1.06 * | / | |
| | 13C12-PCB 208 | 49:47 | 00:00 | 0 | 818299 | 1020656 | 159725 | 206257 | 0.80 | AVV/AVV | |
| | 13C12-PCB 206 | 54:34 | 00:00 | 0 | 551325 | 702108 | 108205 | 135170 | 0.79 | ABV/AVV | |
| 496 | | | | | 495.6856 | 497.6826 | 495.6856 | 497.6826 | 0.59-0.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 508 | | | | | 507.7258 | 509.7229 | 507.7258 | 509.7229 | 0.59-0.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 160 | 238 | 64 | 95 | 0.67 | / | |
| | 13C12-PCB 209 | 56:10 | 00:00 | 0 | 639680 | 900648 | 119837 | 165106 | 0.71 | ABV/ABV | |

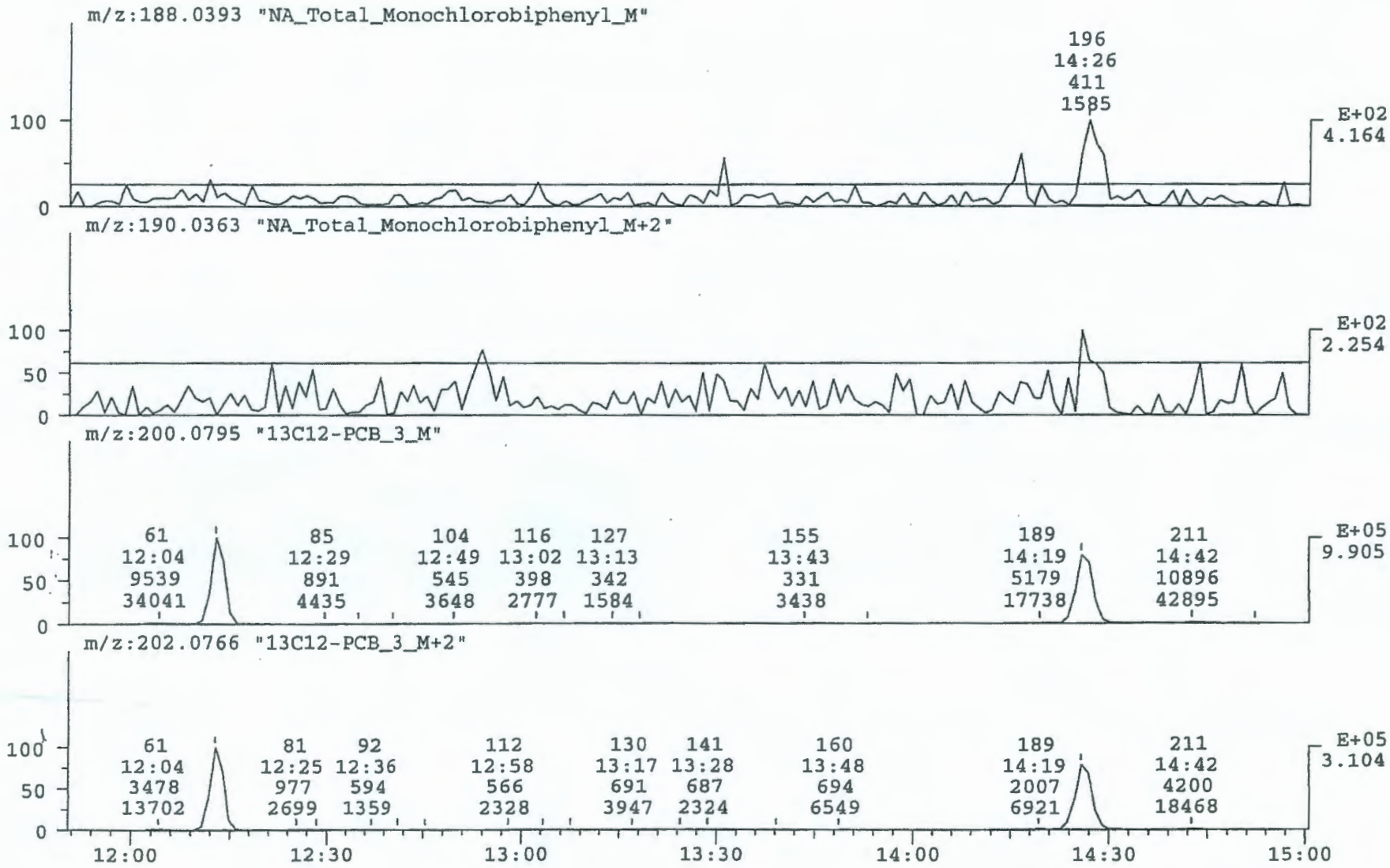
Notes:
R = ratio is outside limits  M = data changed manually  N = Peak not reported  S = peak less than 2.5x S/N
T = peaks outside comax limit  D = peak outside RT window  W = peak outside first/last  X = peak has dup match

Int 3-8-07
Cal DCG 3-19-07
QC BAW 3/19/07

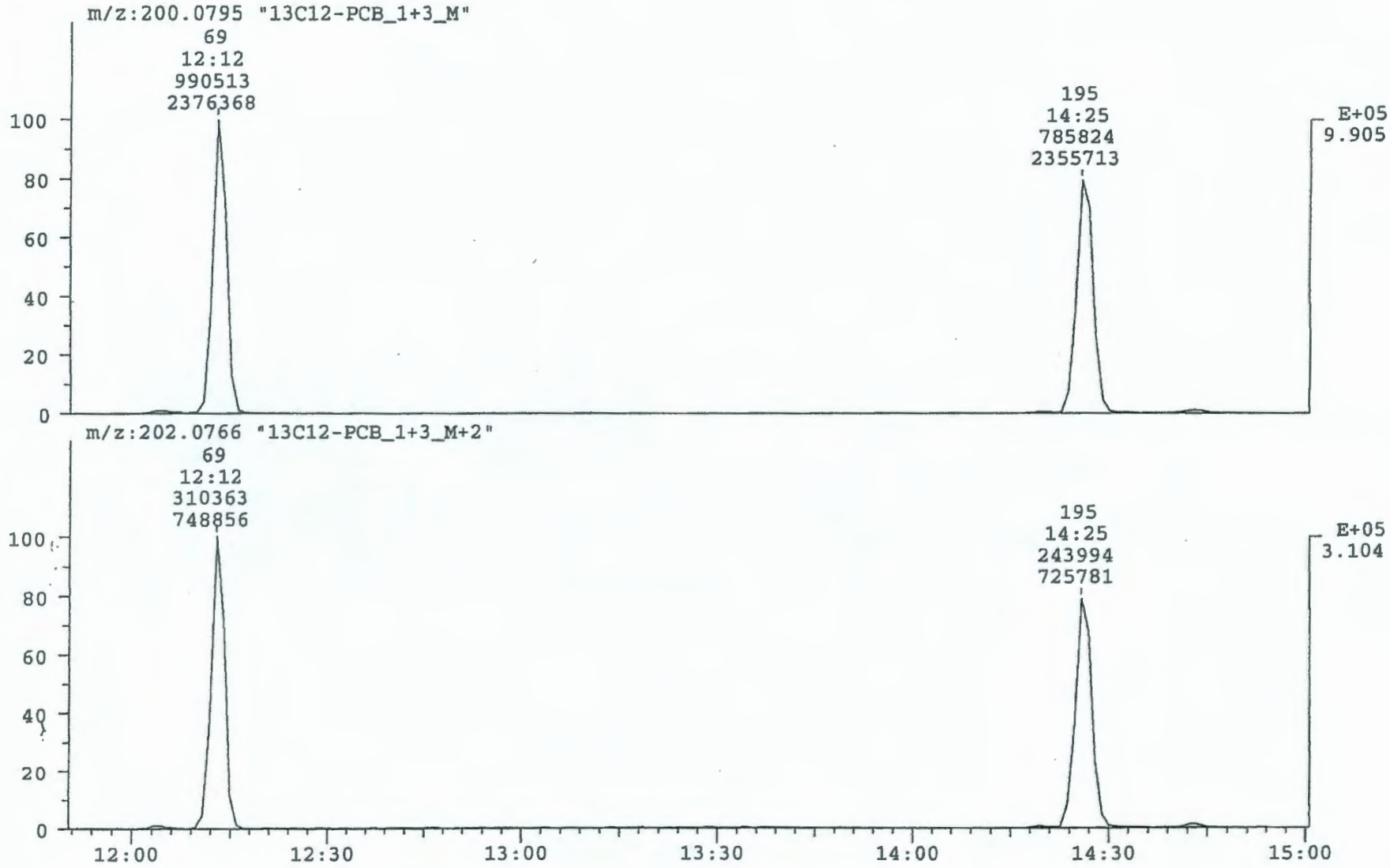
CHRO: a07030731 07-Mar-07 Elapse: 56:12 2555
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 19:07:06 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 2 > 2601 Masses: 181 > 510
Area: 5, 0.50, 0 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area



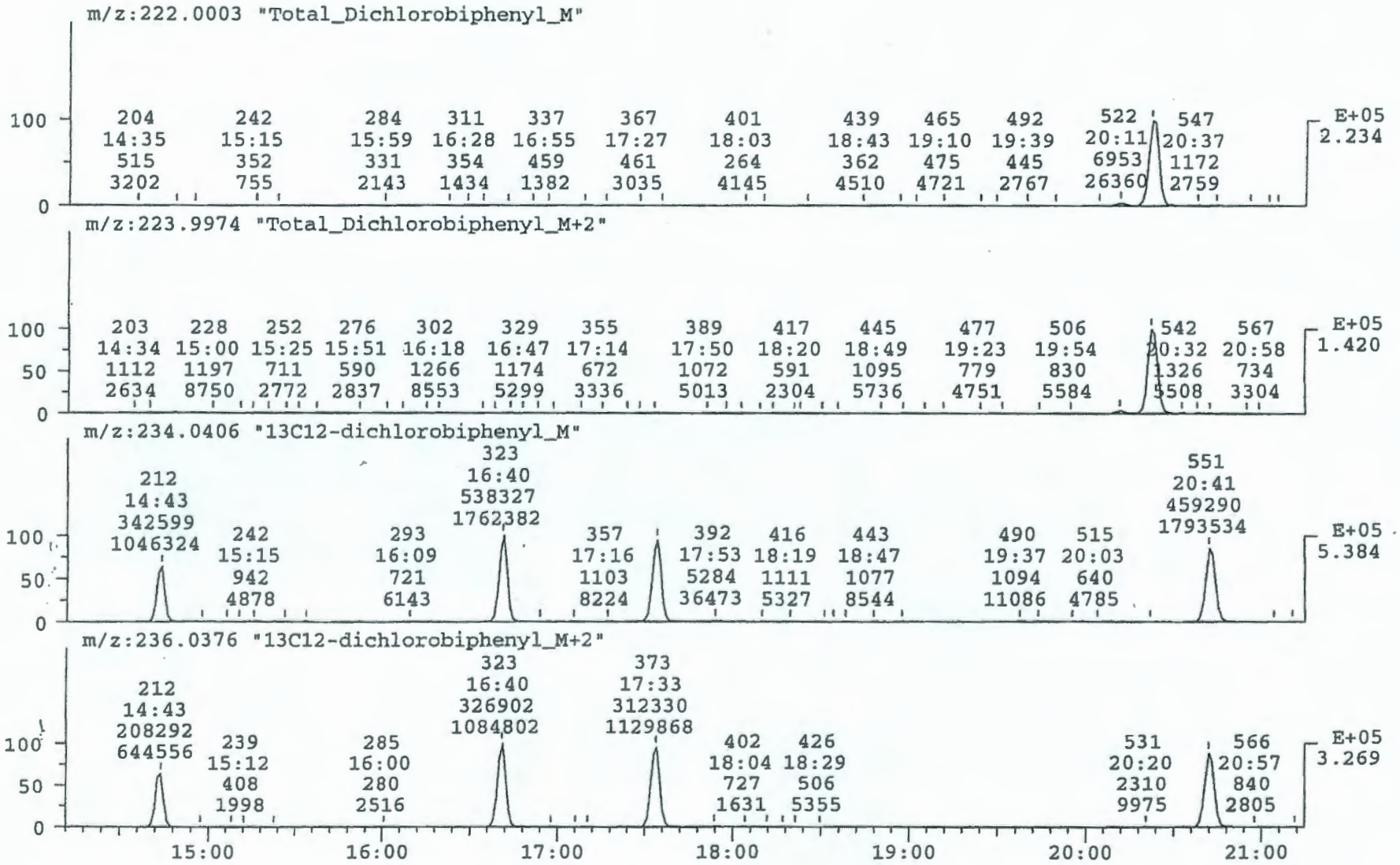
```
CHRO:  a07030731                                07-Mar-07   Elapse:  13:25.5      138
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
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
```



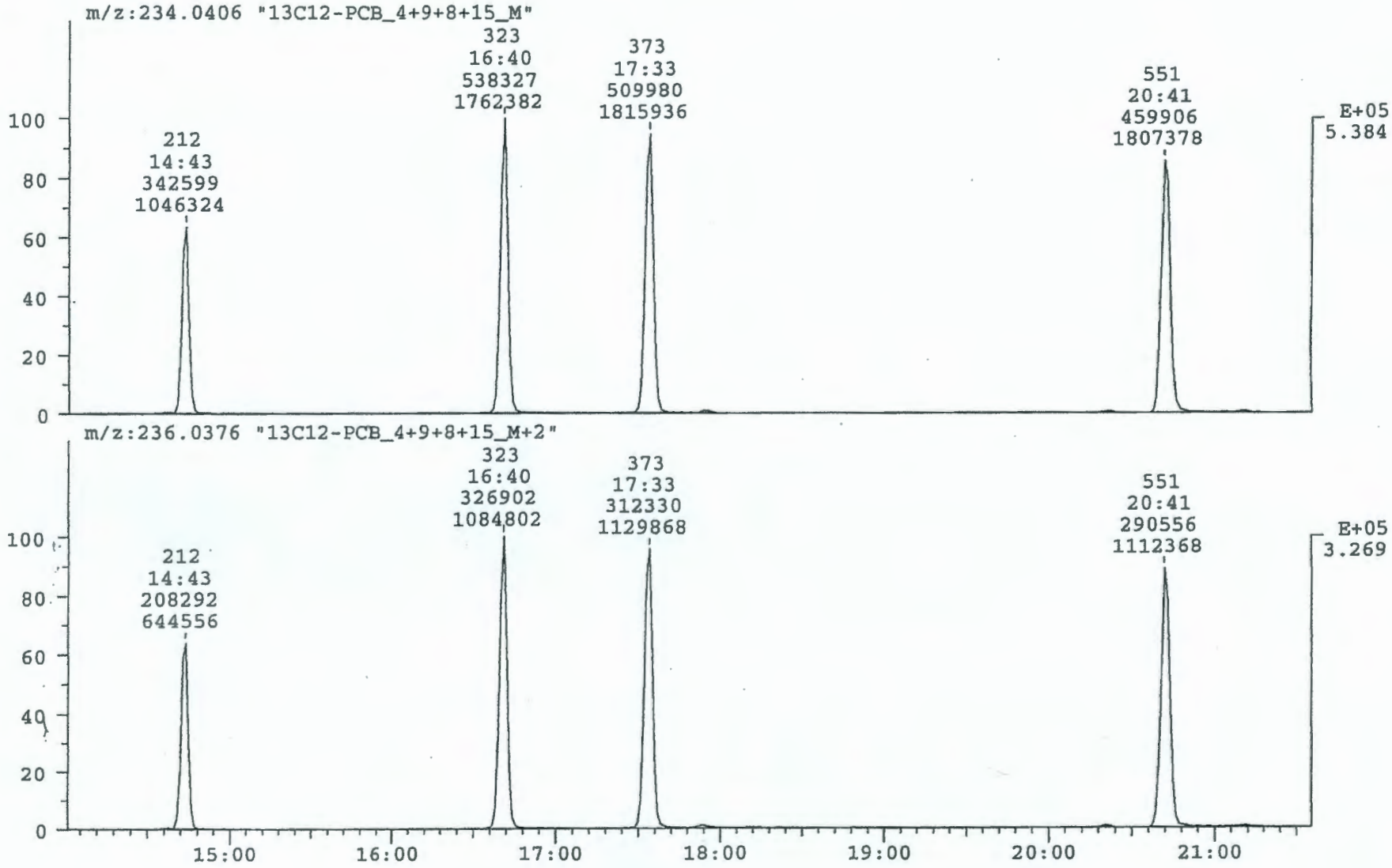
```
CHRO:  a07030731                                07-Mar-07   Elapse:  13:25.5      138
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
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
```



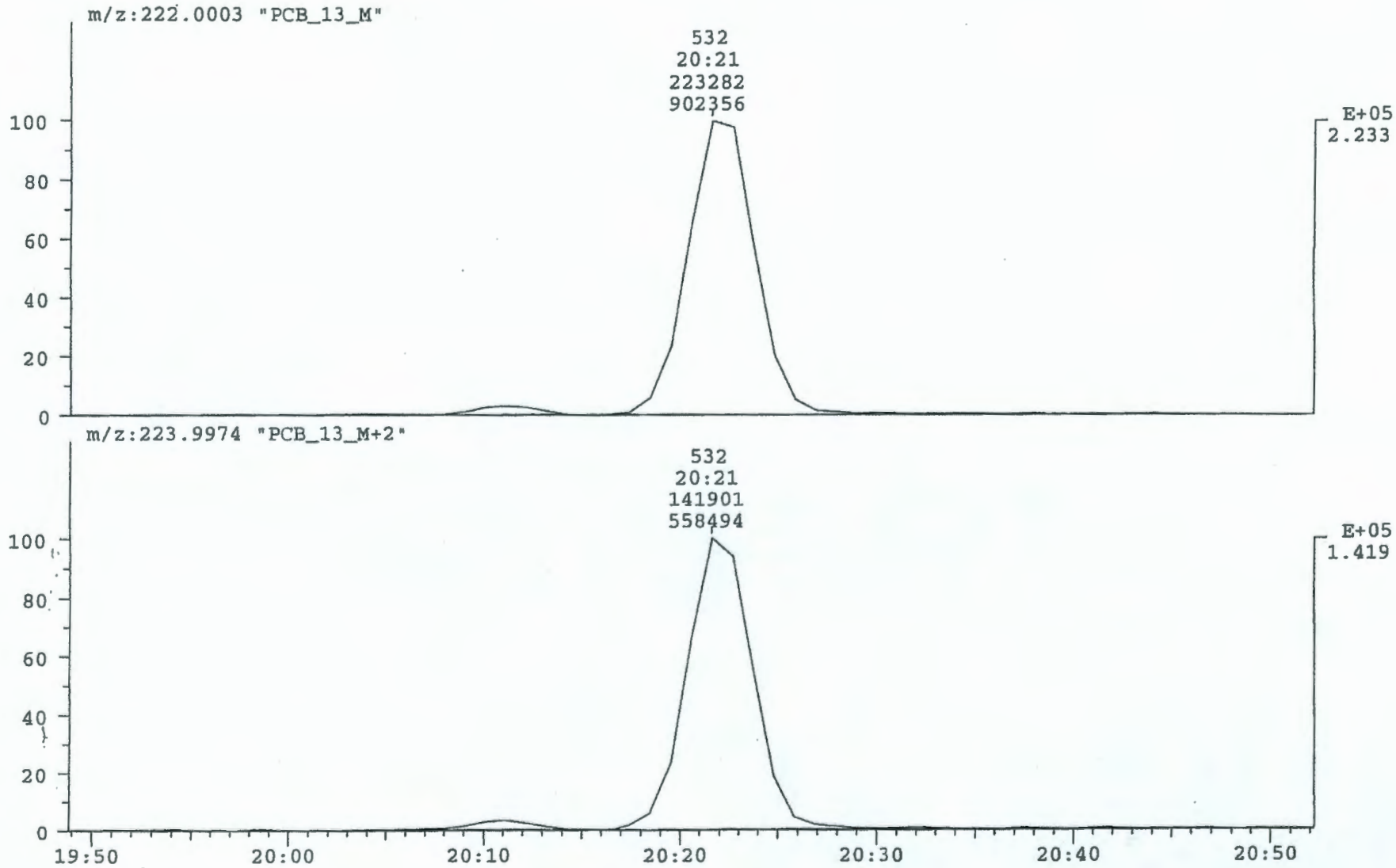
CHRO: a07030731 07-Mar-07 Elapse: 17:43.2 382
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 19:07:06 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 182 > 582 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



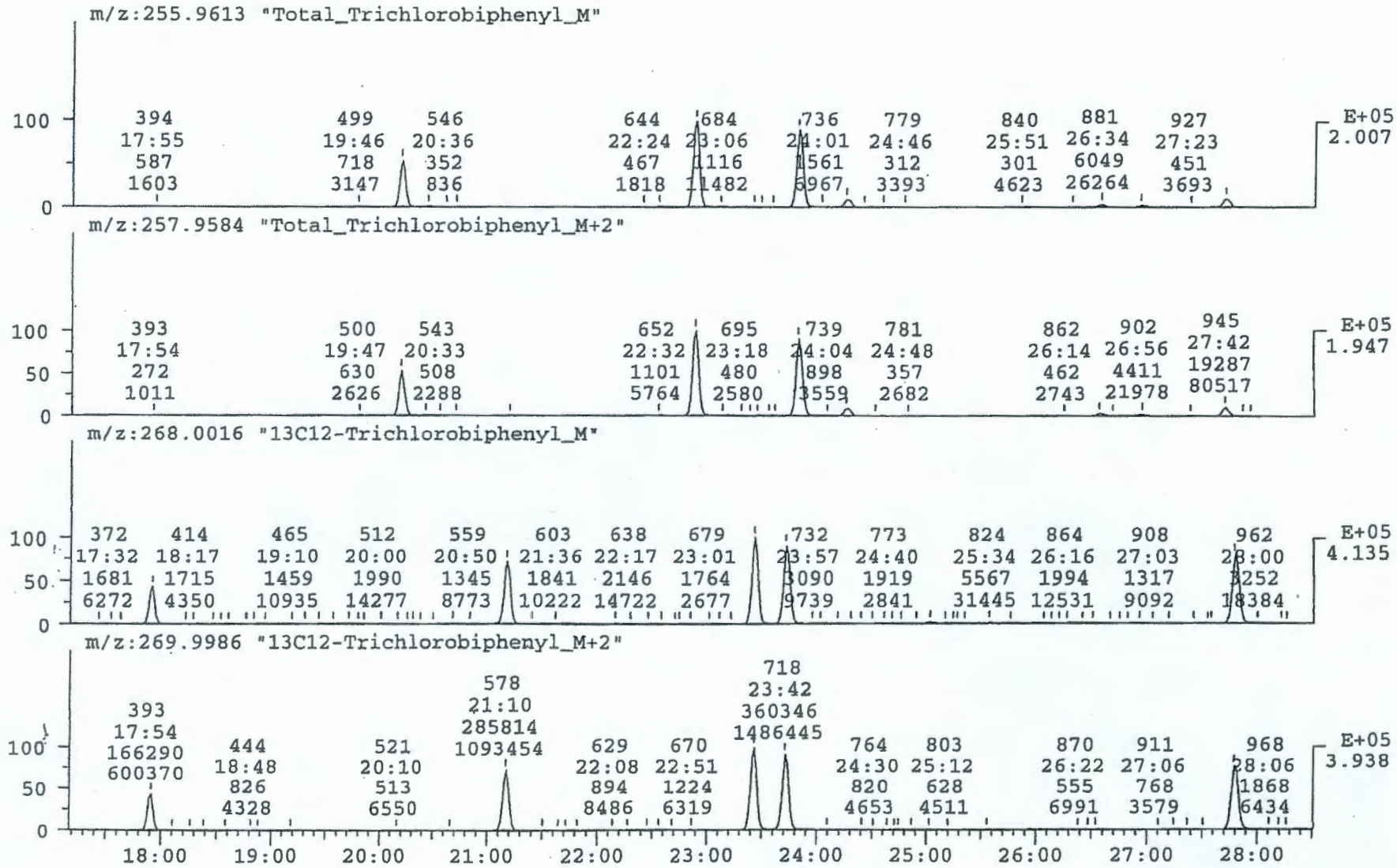
```
CHRO:  a07030731                                07-Mar-07  Elapse:  17:43.2      382
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  19:07:06    2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   5
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
```



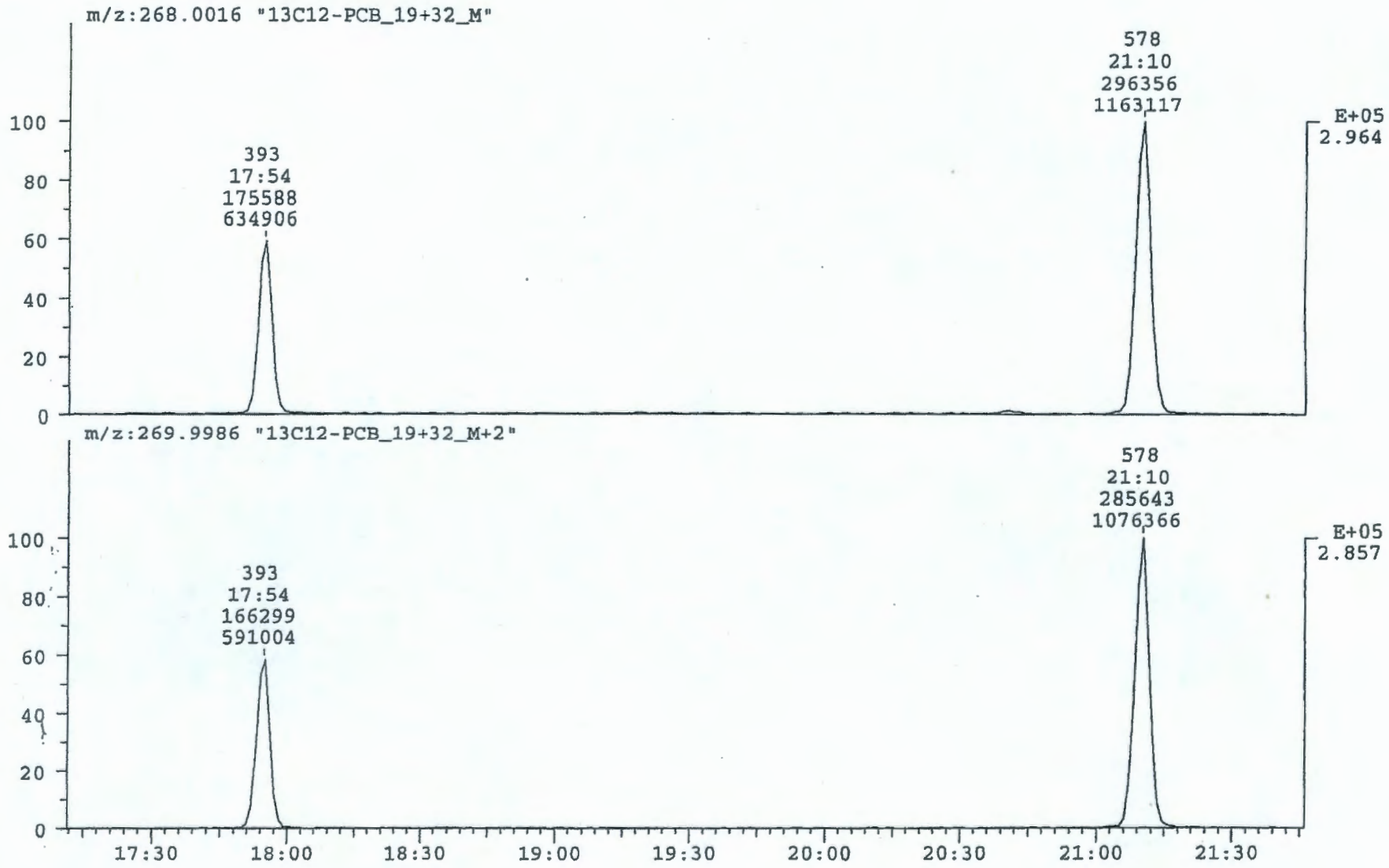
```
CHRO:  a07030731                                07-Mar-07   Elapse:  20:20.5      531
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   501 > 561             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



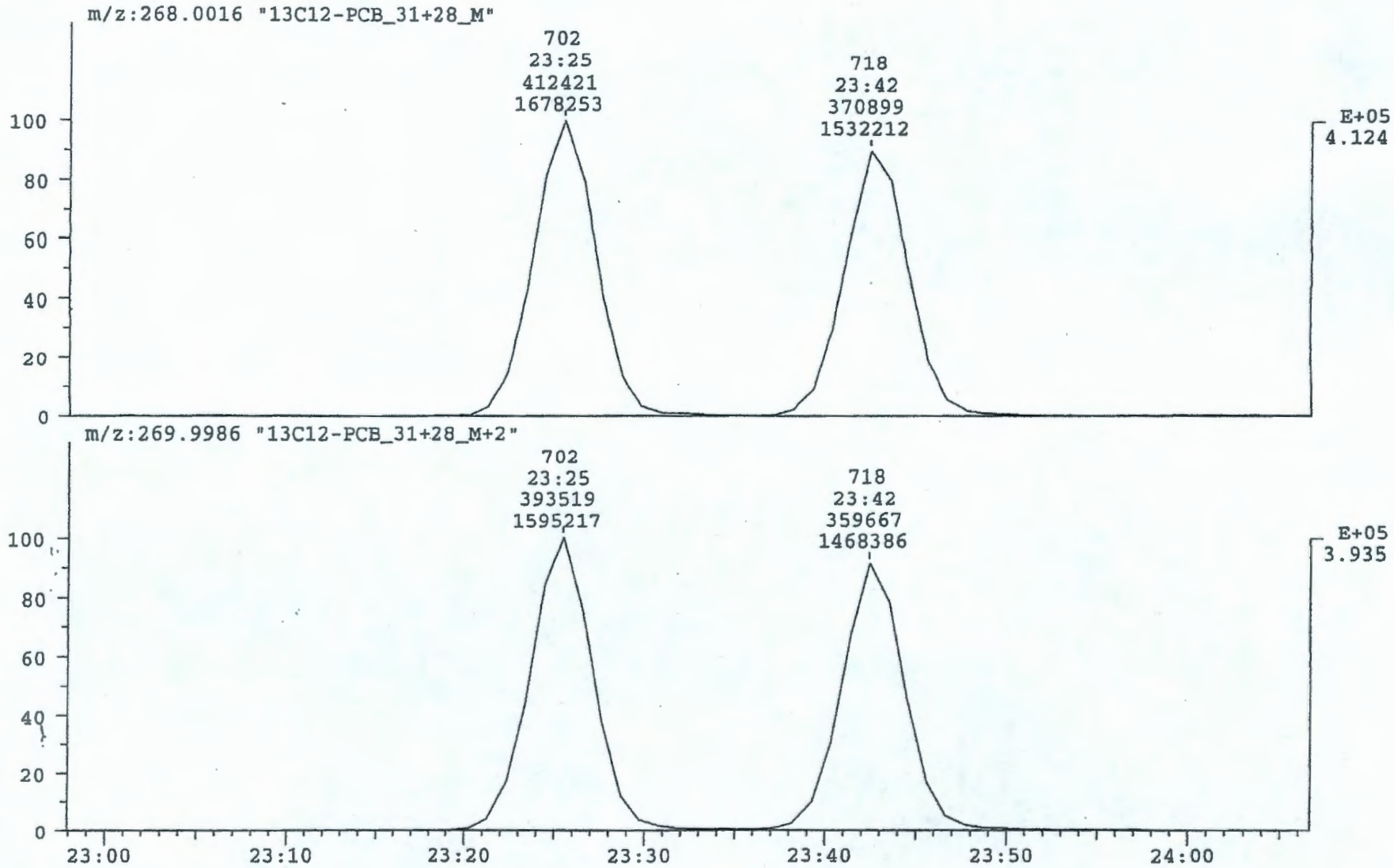
CHRO: a07030731 07-Mar-07 Elapse: 22:52.7 671
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 19:07:06 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 351 > 991 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



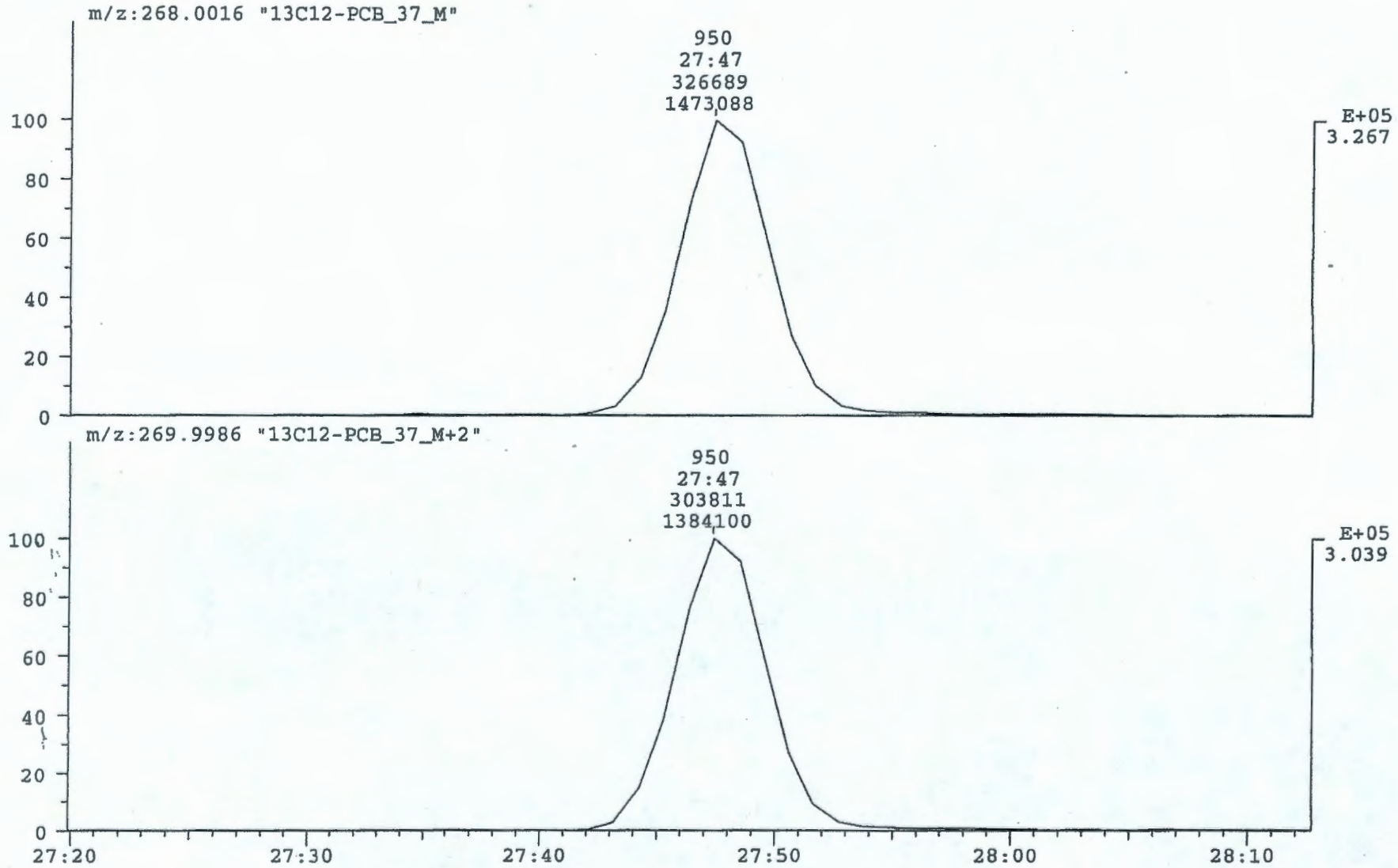
```
CHRO:  a07030731                                07-Mar-07  Elapse:  19:18.2      472
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  19:07:06    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   5
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
```



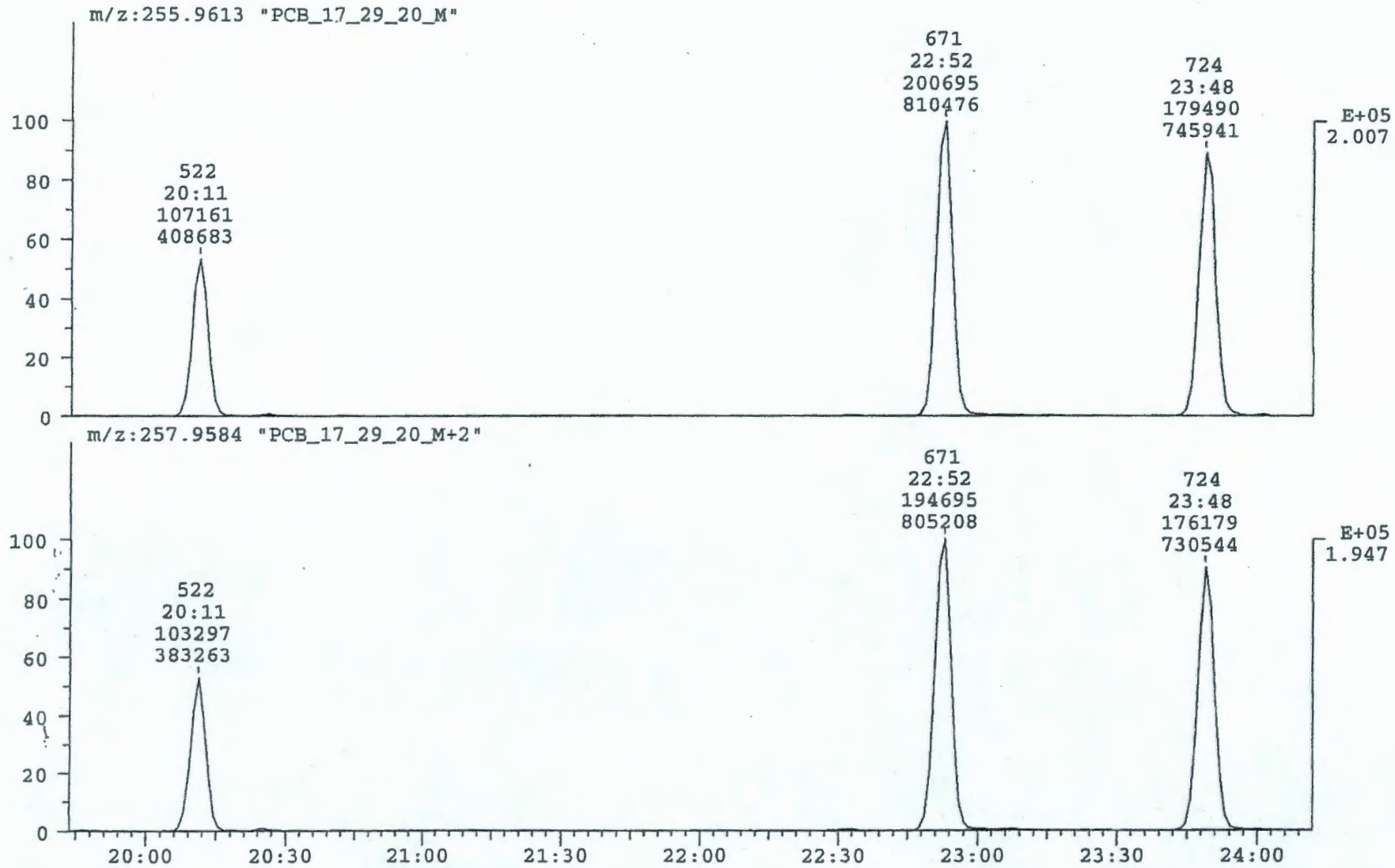
```
CHRO:  a07030731                                07-Mar-07  Elapse:  23:24.4      701
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  19:07:06    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   5
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
```



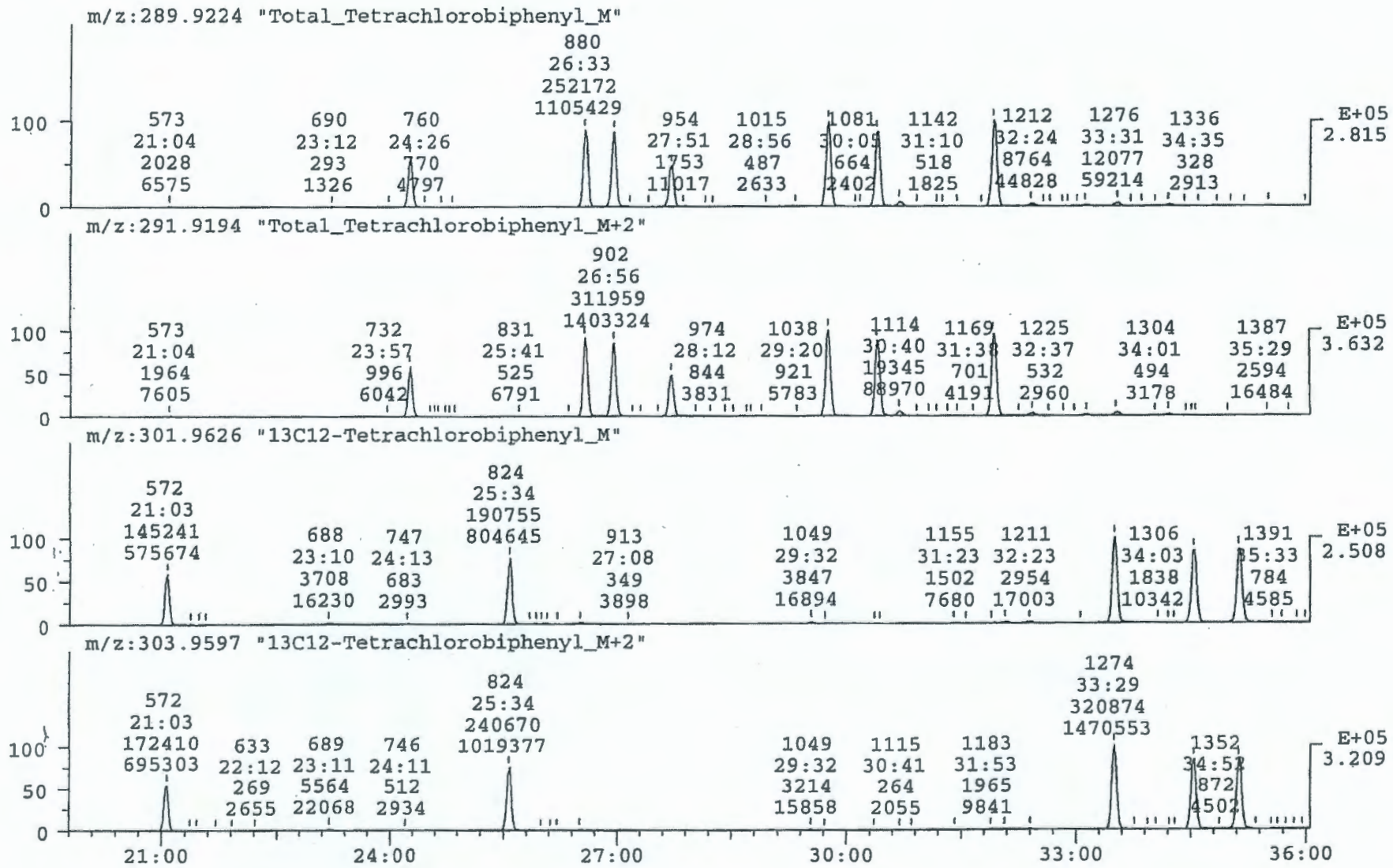
```
CHRO:  a07030731                                07-Mar-07   Elapse:  27:46.3      949
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06    2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   5
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
```



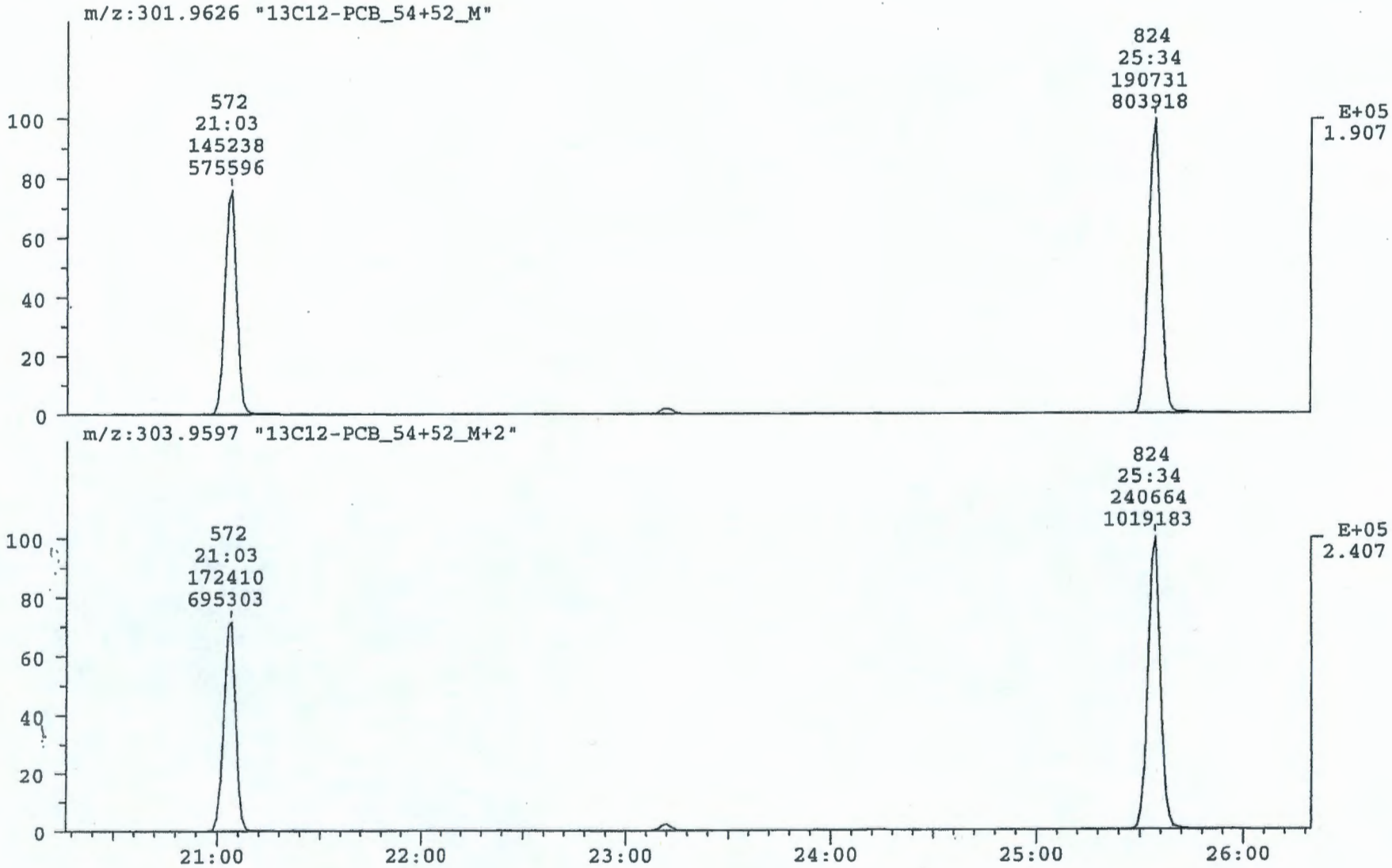
CHRO: a07030731 07-Mar-07 Elapse: 22:00.9 626
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 19:07:06 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 496 > 746 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



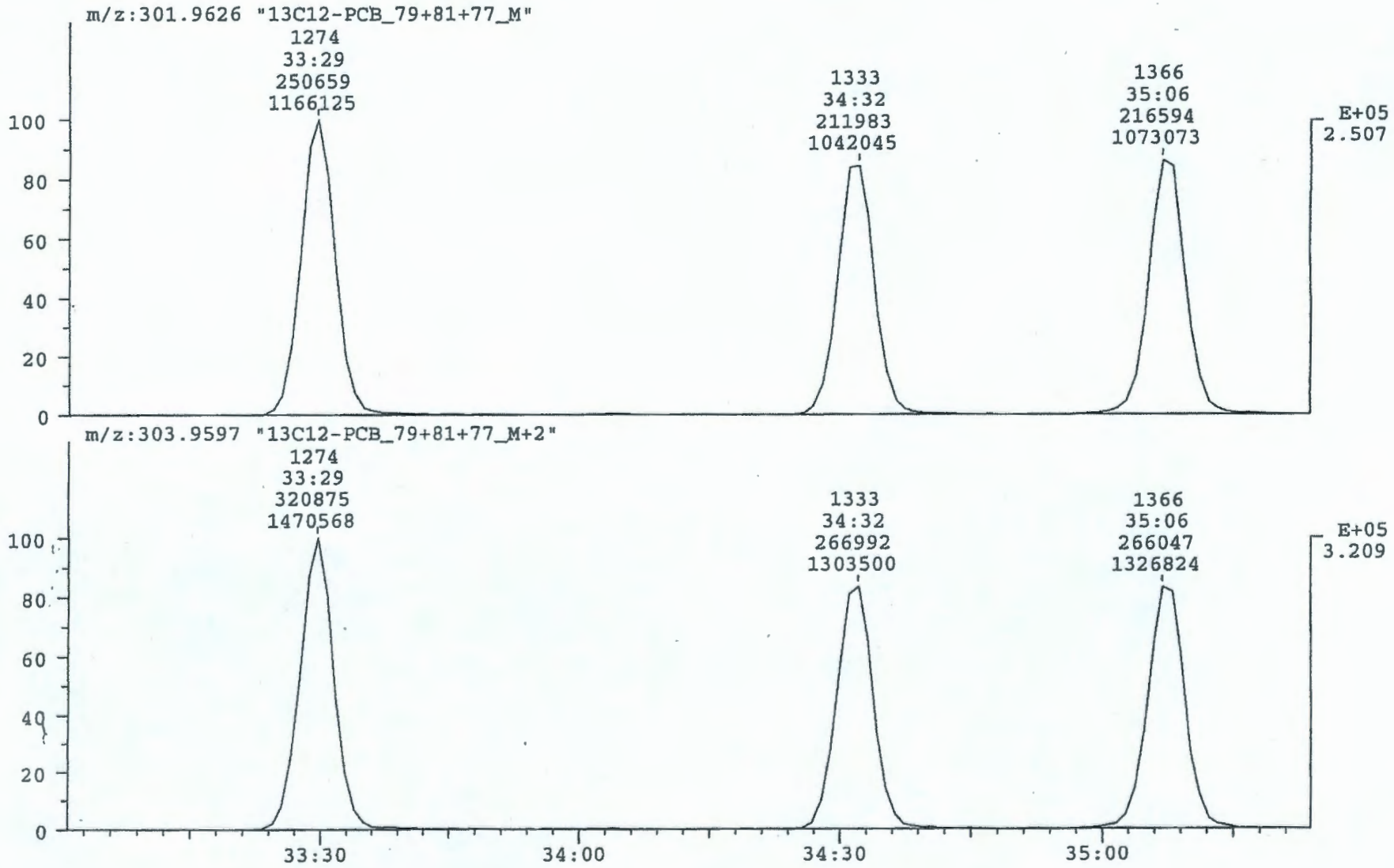
CHRO: a07030731 07-Mar-07 Elapse: 27:54.8 957
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 19:07:06 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 500 > 1419 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



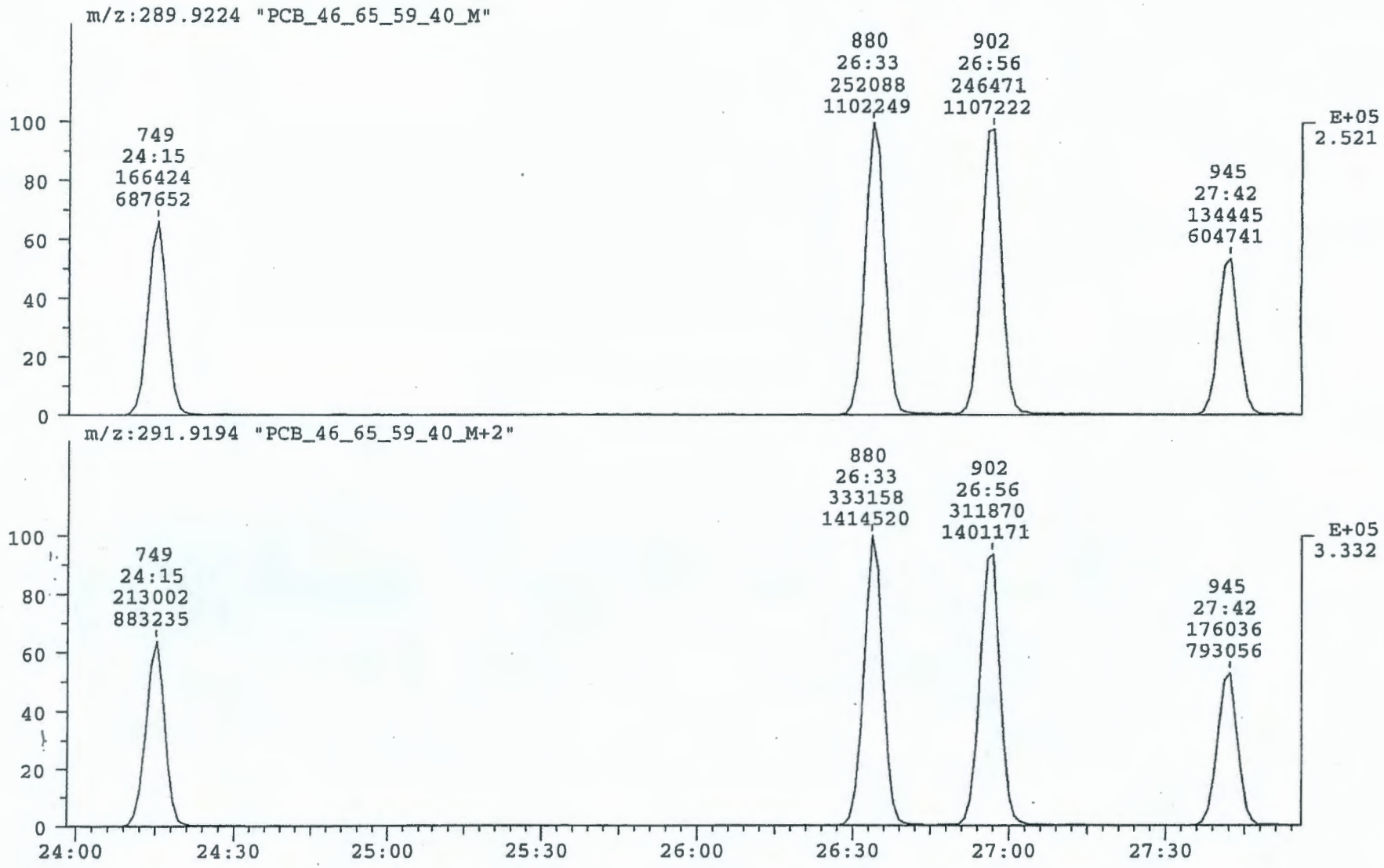
```
CHRO:  a07030731                                07-Mar-07   Elapse:  23:20.2      697
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
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
```



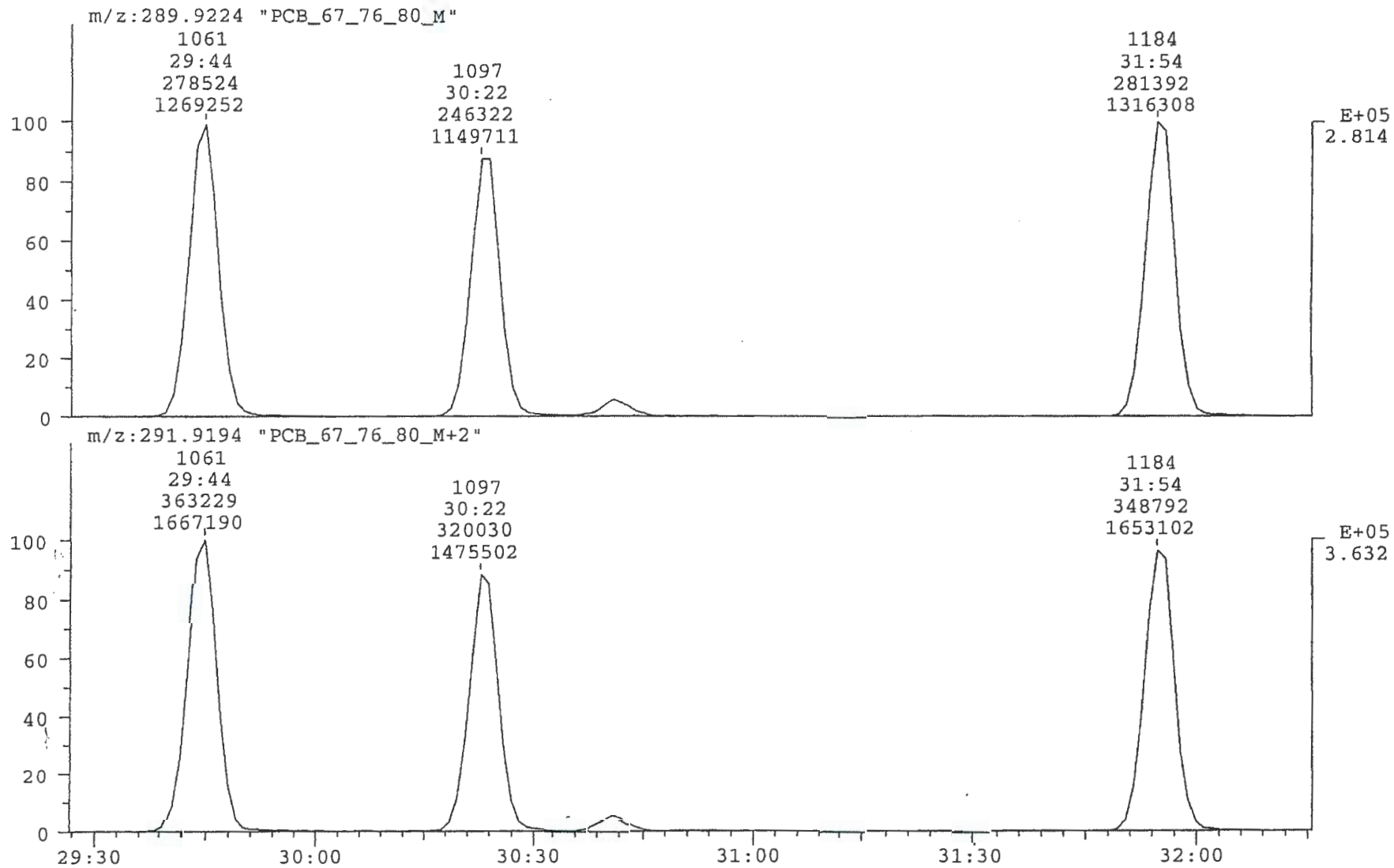
```
CHRO:  a07030731                                07-Mar-07   Elapse:  34:15      1317
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  5
Peak:  100.00  ppm     Label wndw:   1247 > 1382            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



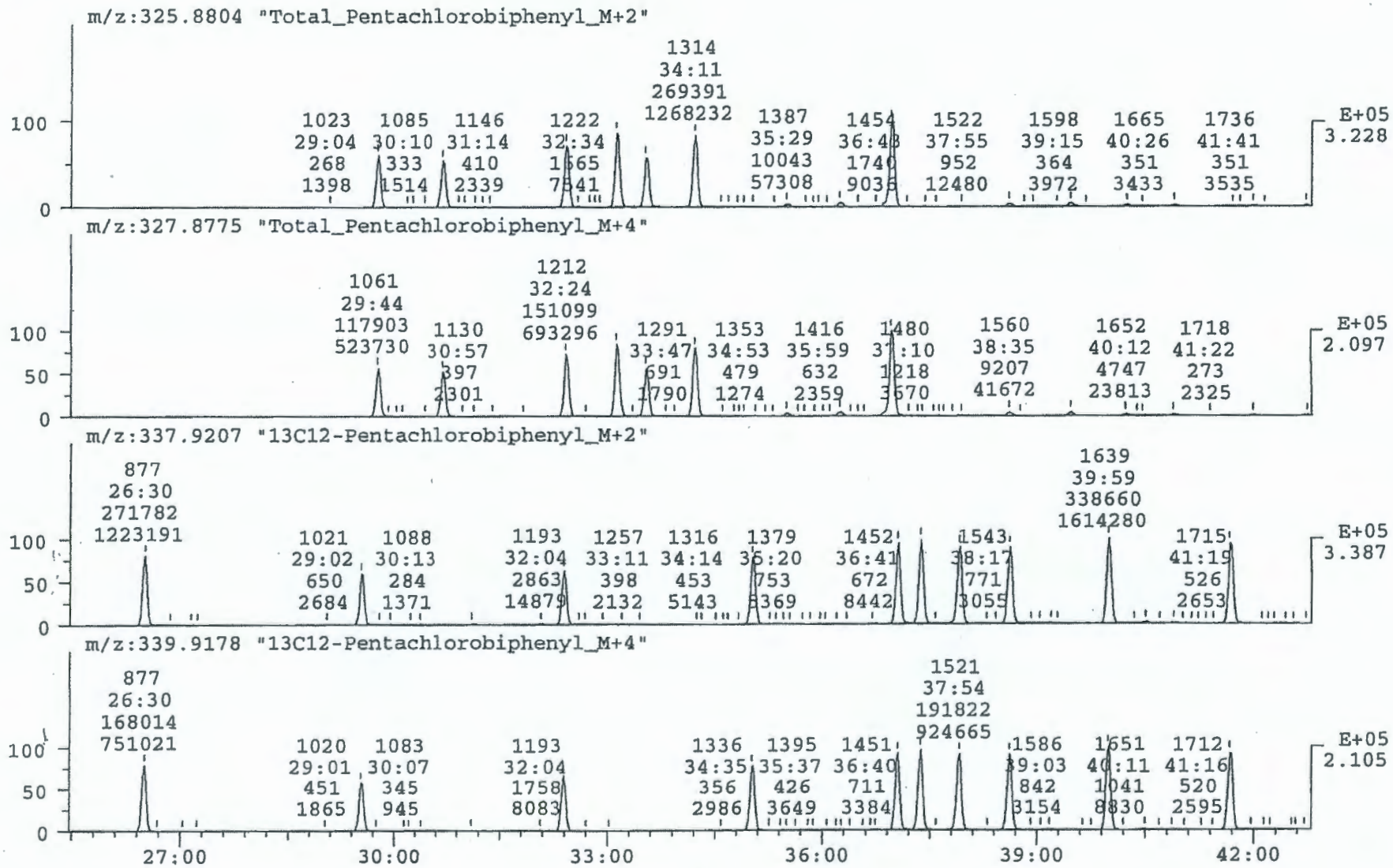
```
CHRO:  a07030731                                07-Mar-07   Elapse:  25:59.6      848
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   733 > 958             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



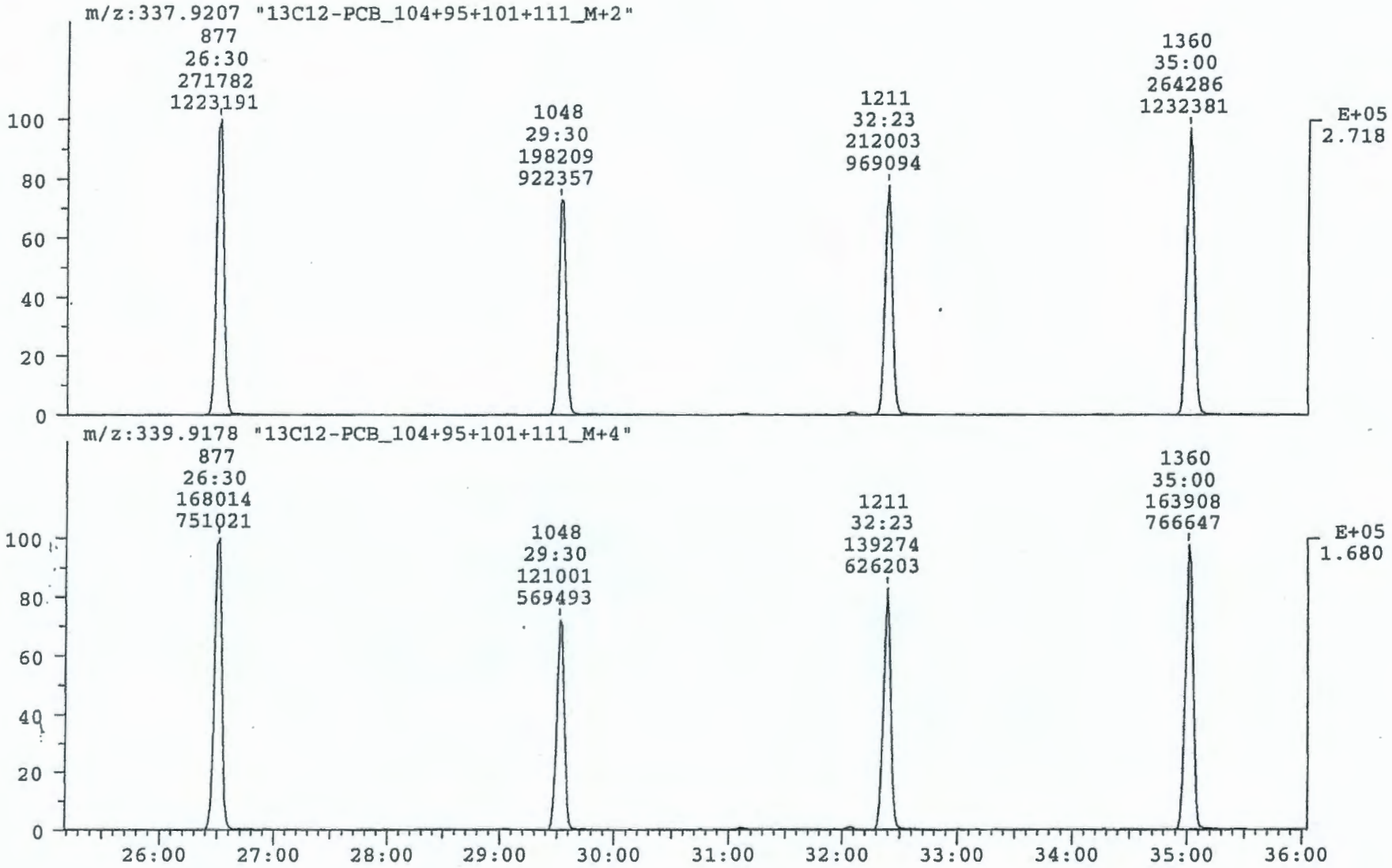
```
CHRO:  a07030731                                07-Mar-07   Elapse:  30:51      1124
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   1044 > 1204           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



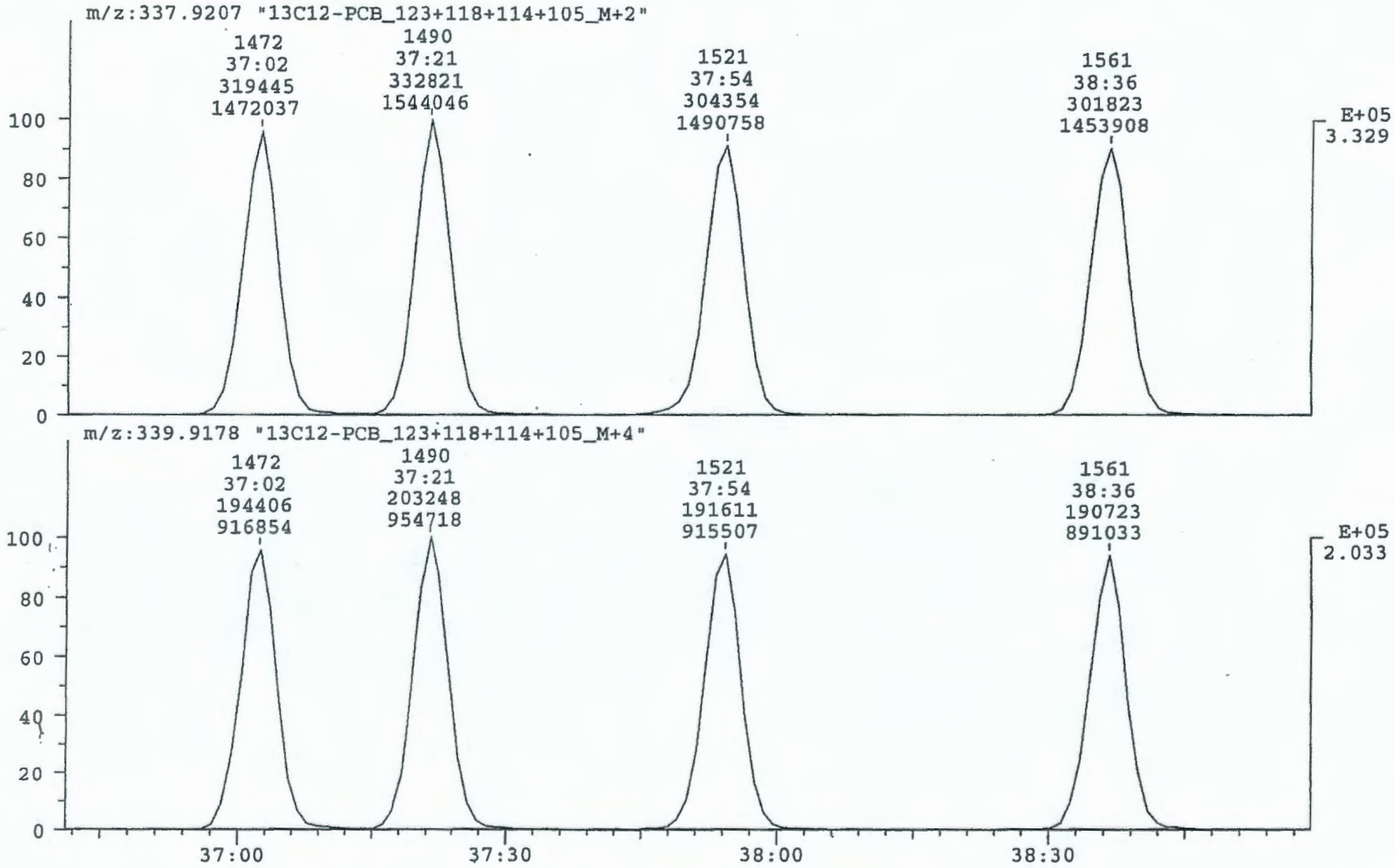
CHRO: a07030731 07-Mar-07 Elapse: 34:07 1310
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 19:07:06 2601
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 818 > 1799 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



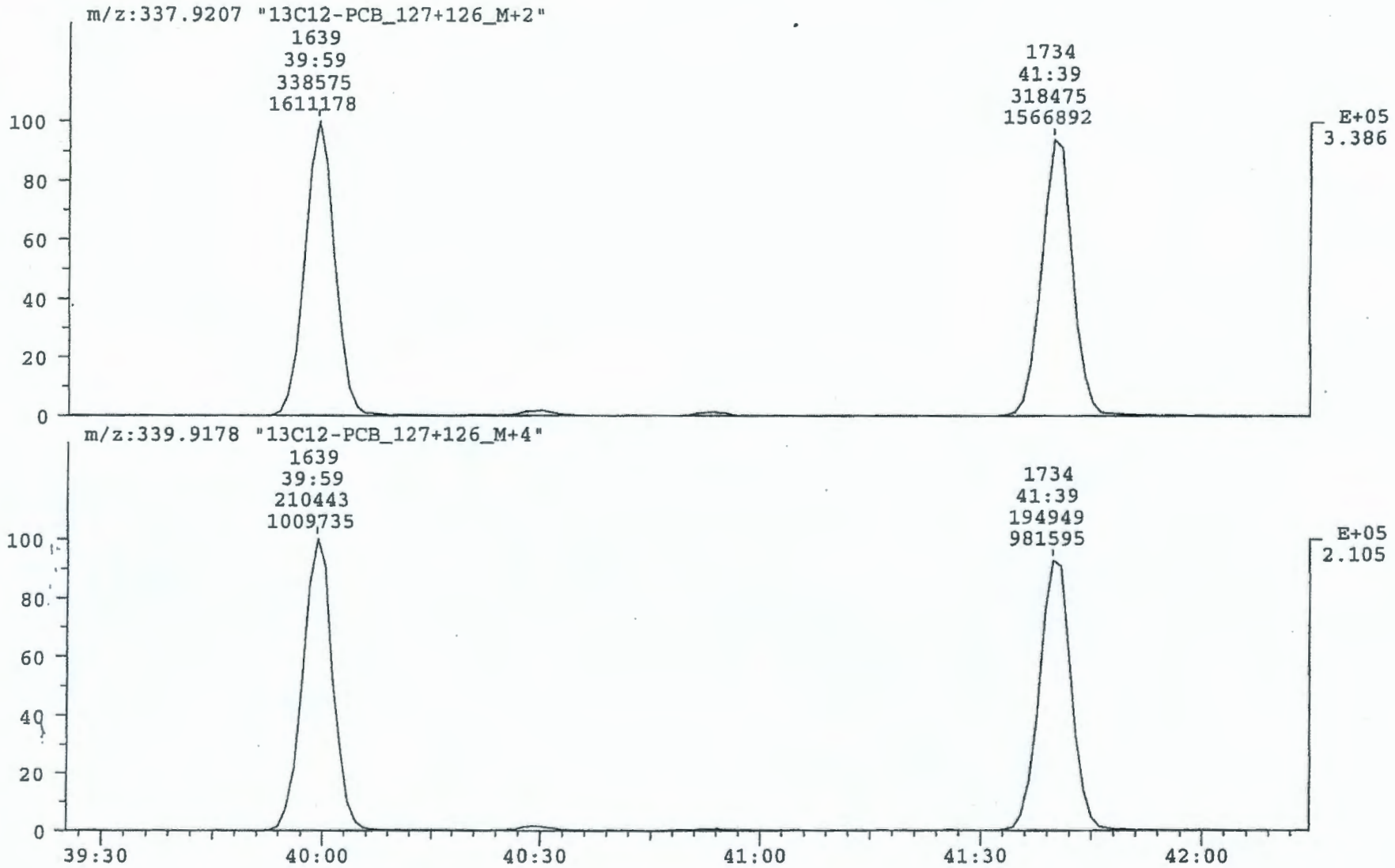
```
CHRO:  a07030731                                07-Mar-07  Elapse:  30:37      1111
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  5
Peak:  100.00  ppm      Label wndw:   802 > 1419          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



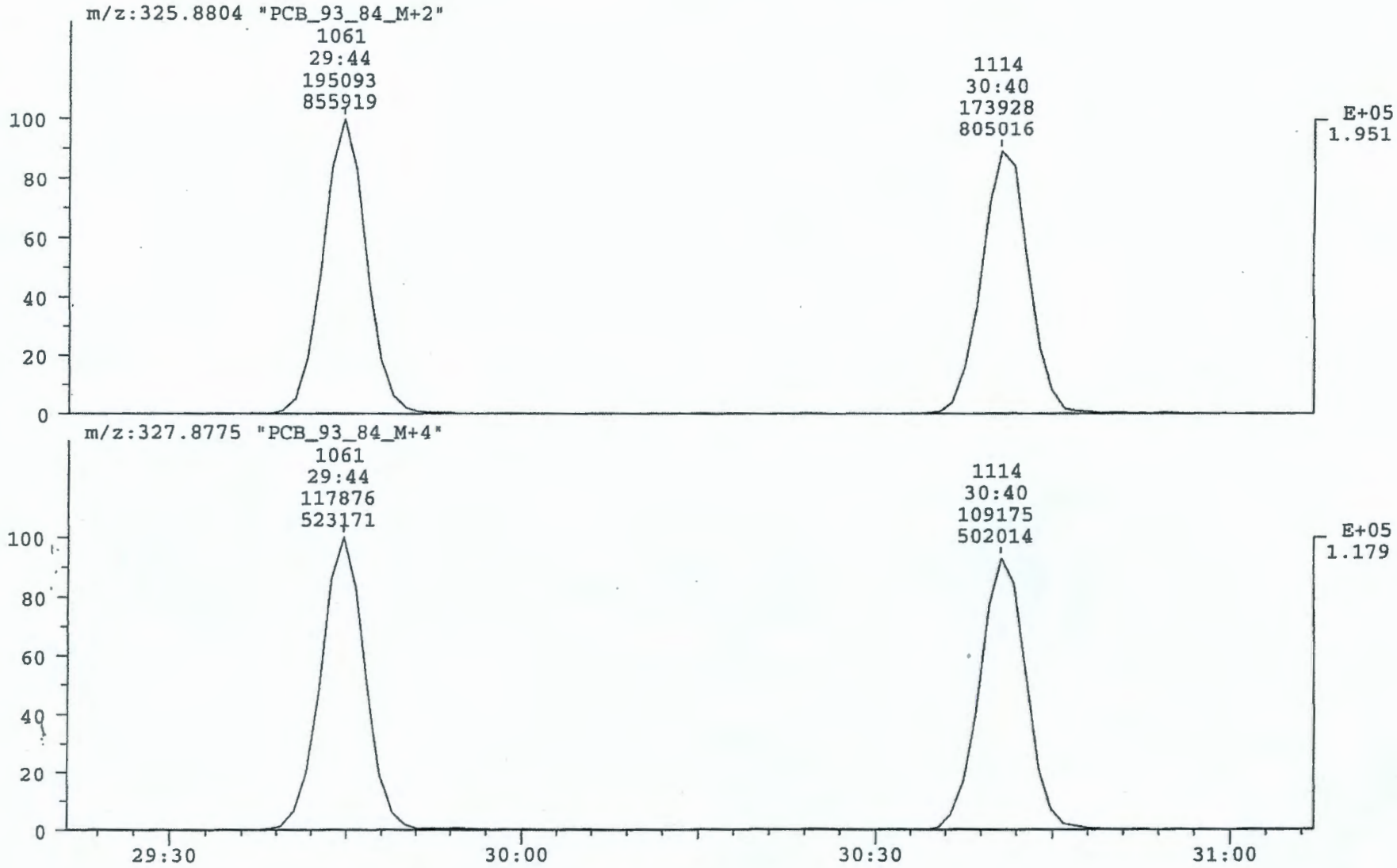
CHRO: a07030731 07-Mar-07 Elapse: 37:50 1517
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 19:07:06 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1452 > 1582 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



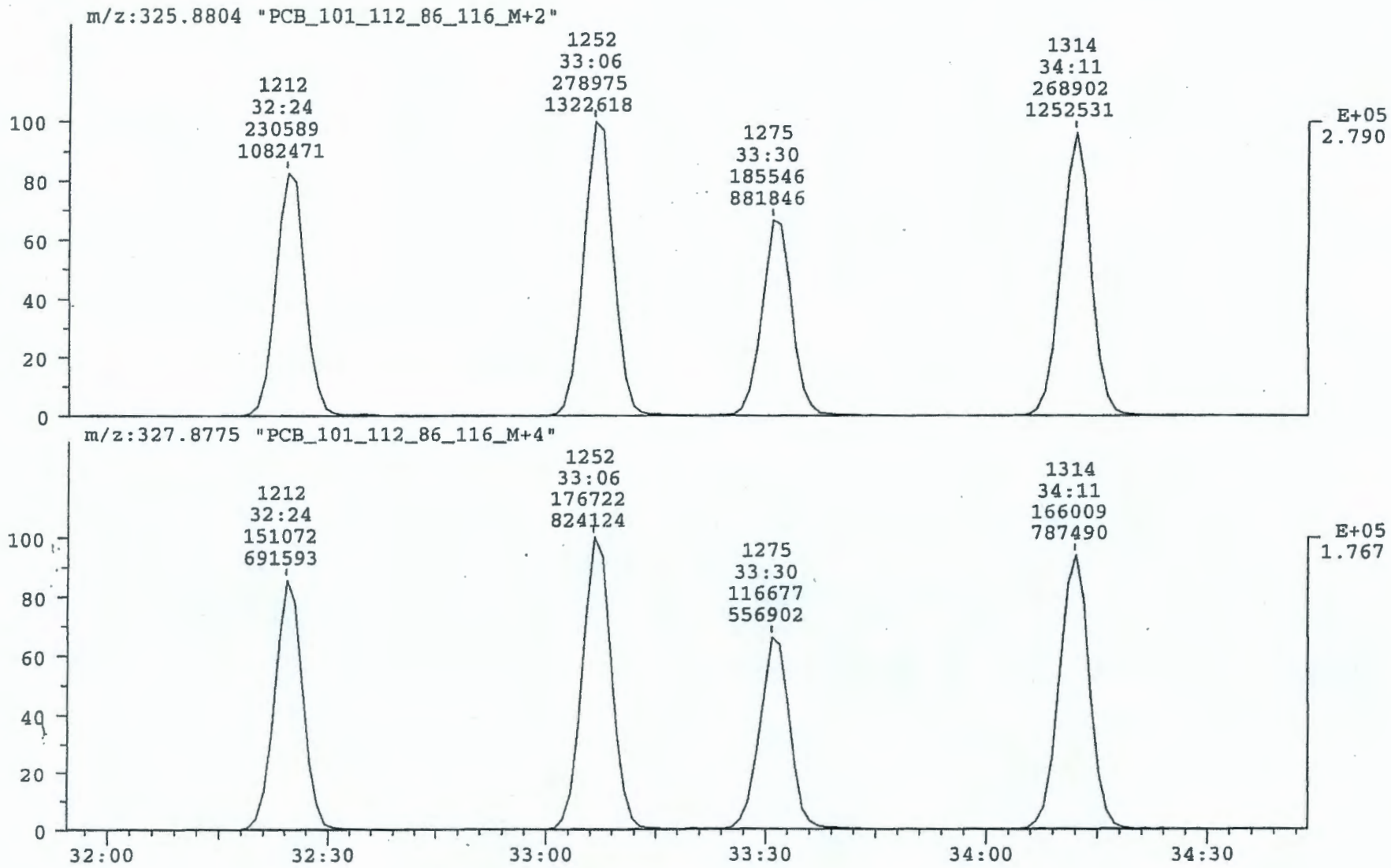
```
CHRO:  a07030731                                07-Mar-07   Elapse:  40:49      1687
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06   2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  5
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
```



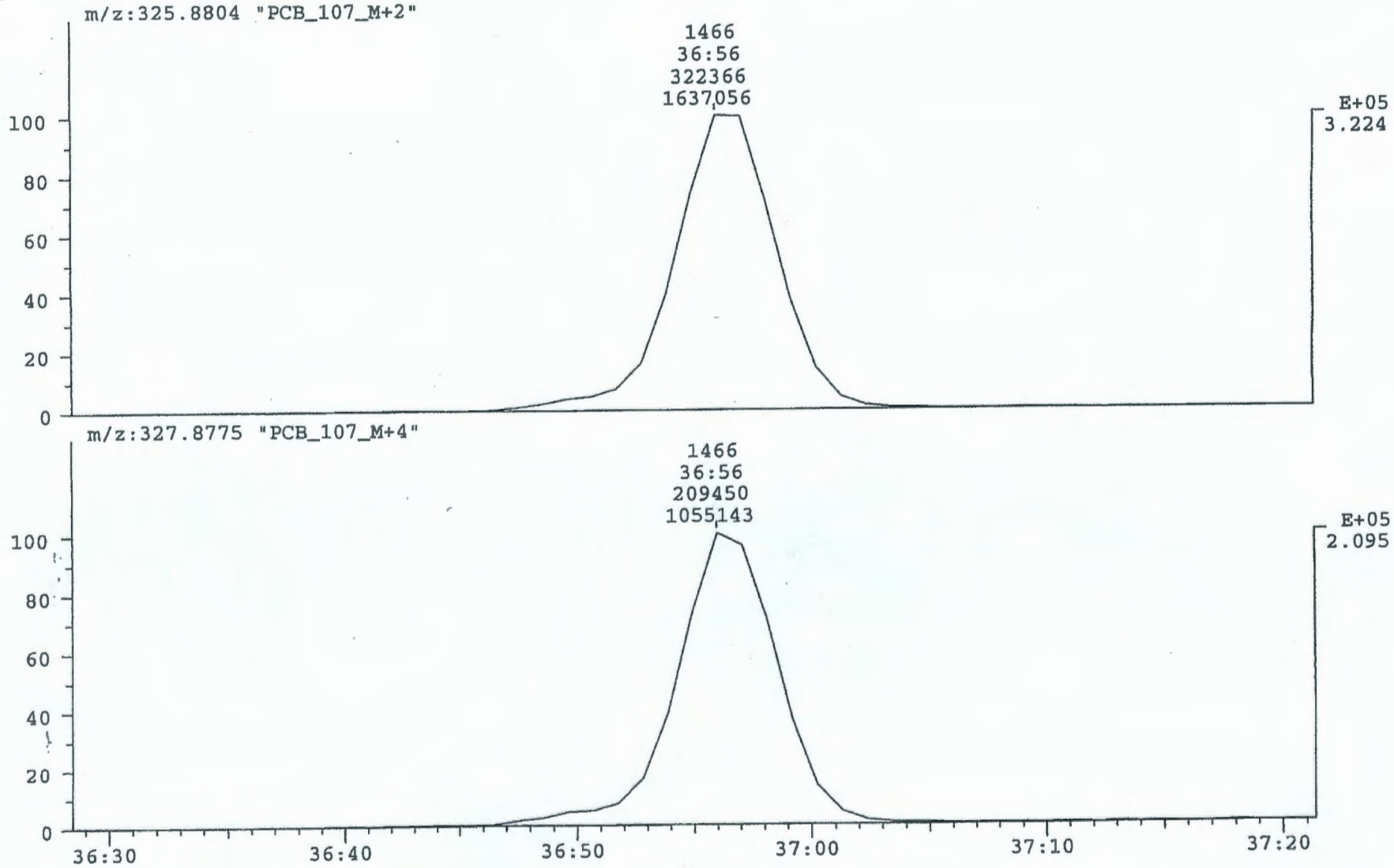
CHRO: a07030731 07-Mar-07 Elapse: 30:14 1089
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 19:07:06 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1039 > 1139 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



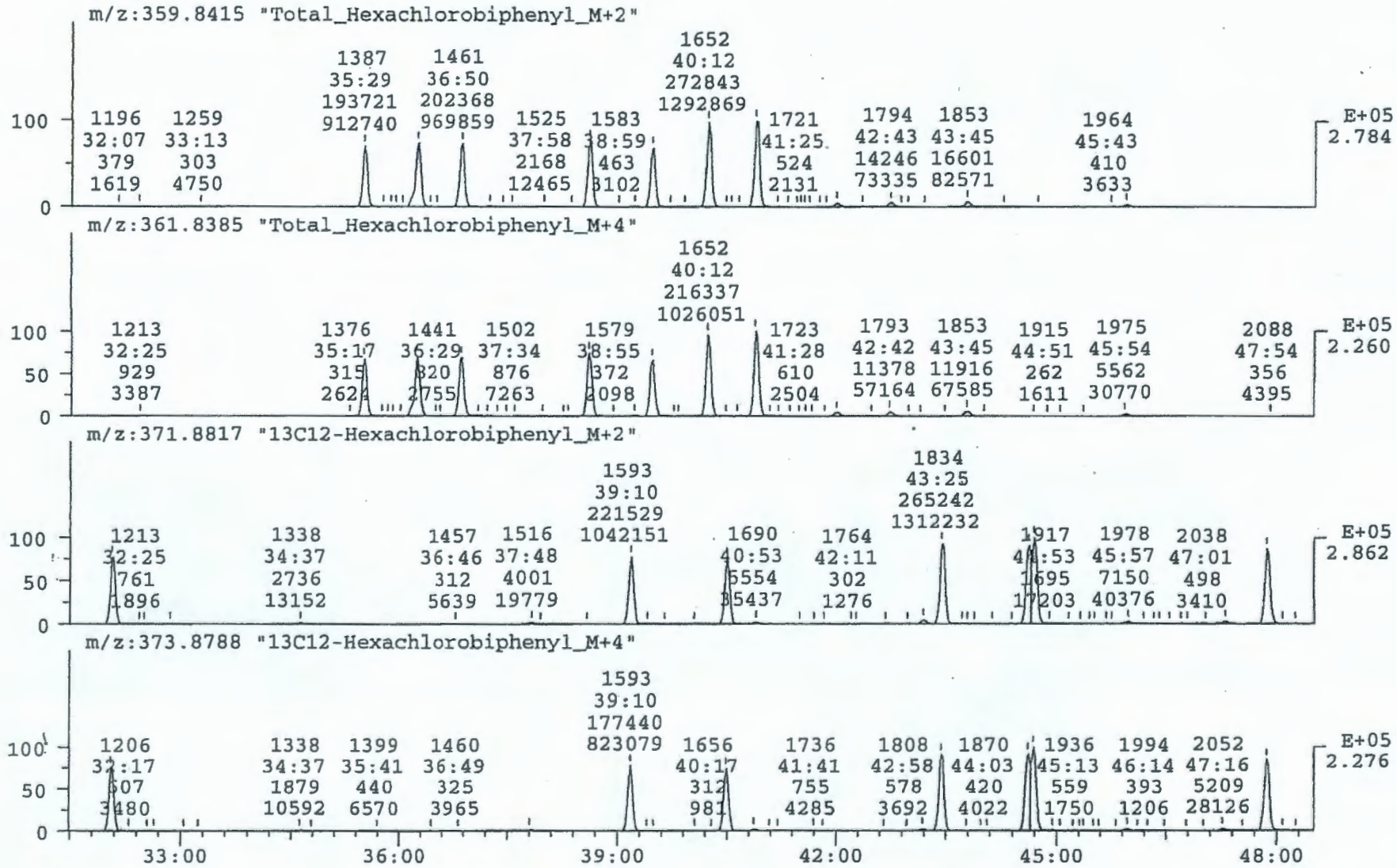
CHRO: a07030731 07-Mar-07 Elapse: 33:19 1264
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 19:07:06 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1184 > 1344 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



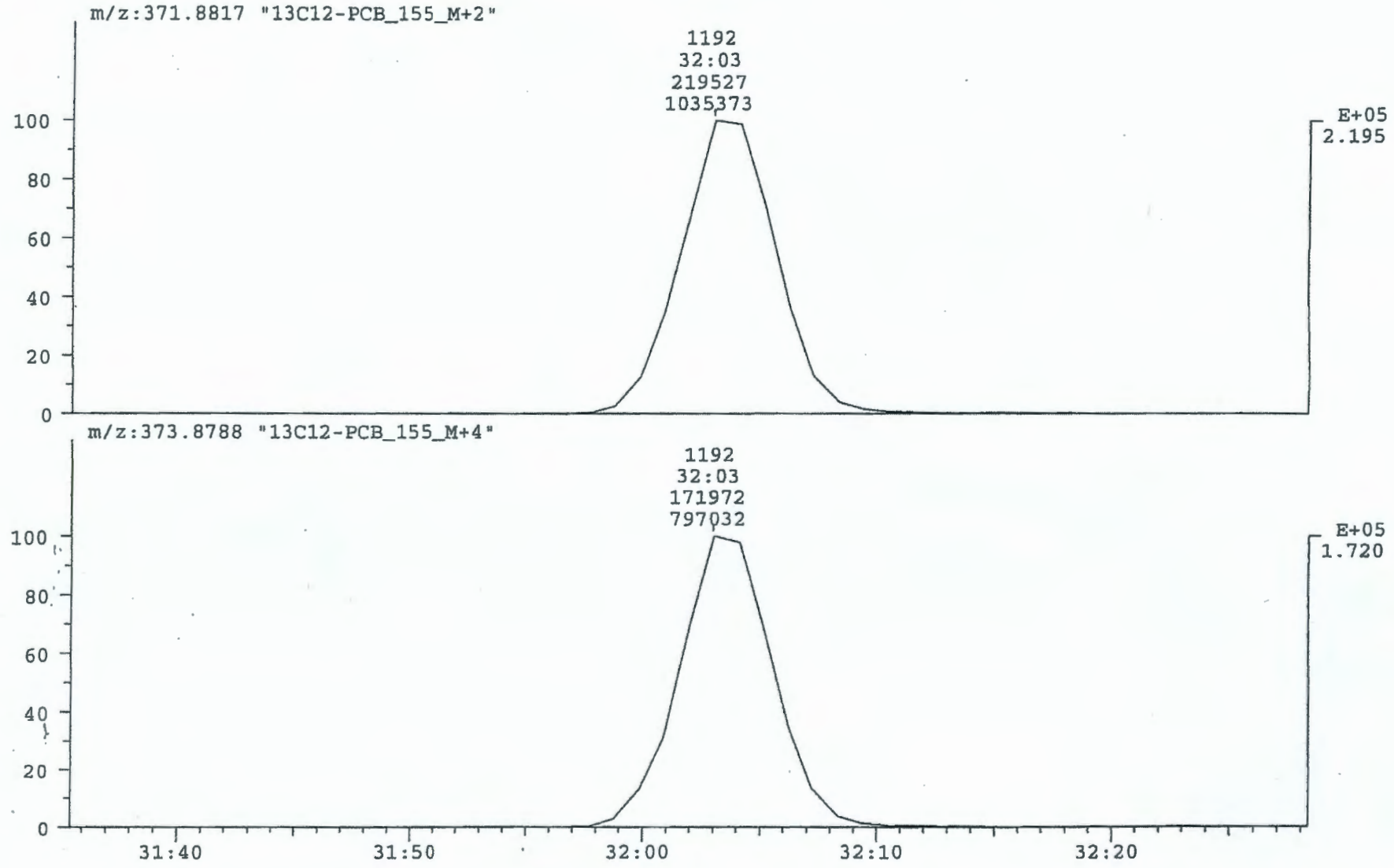
CHRO: a07030731 07-Mar-07 Elapse: 36:54 1465
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 19:07:06 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1440 > 1490 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



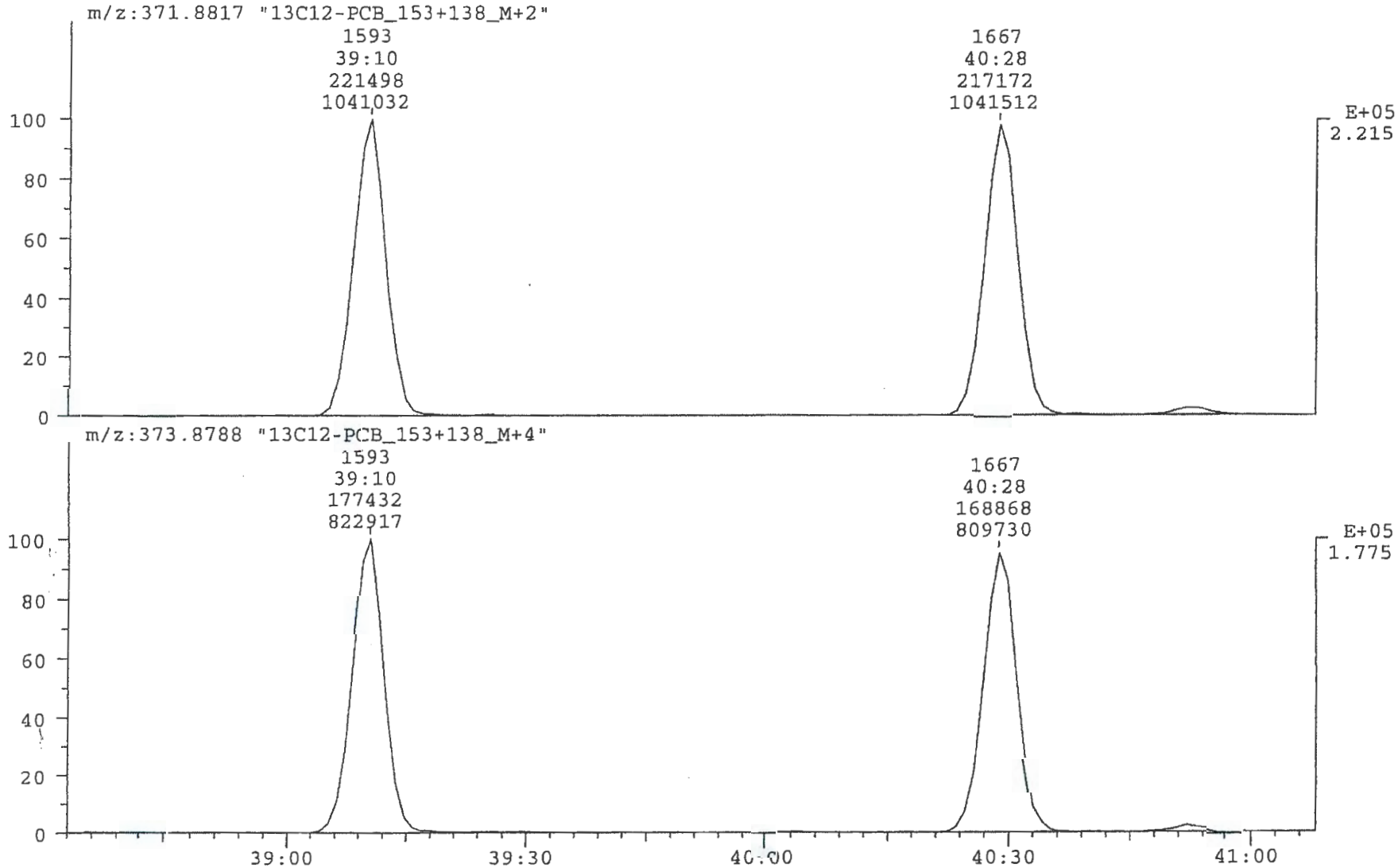
```
CHRO:  a07030731                                07-Mar-07  Elapse:  39:59      1639
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  19:07:06   2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   1160 > 2122         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



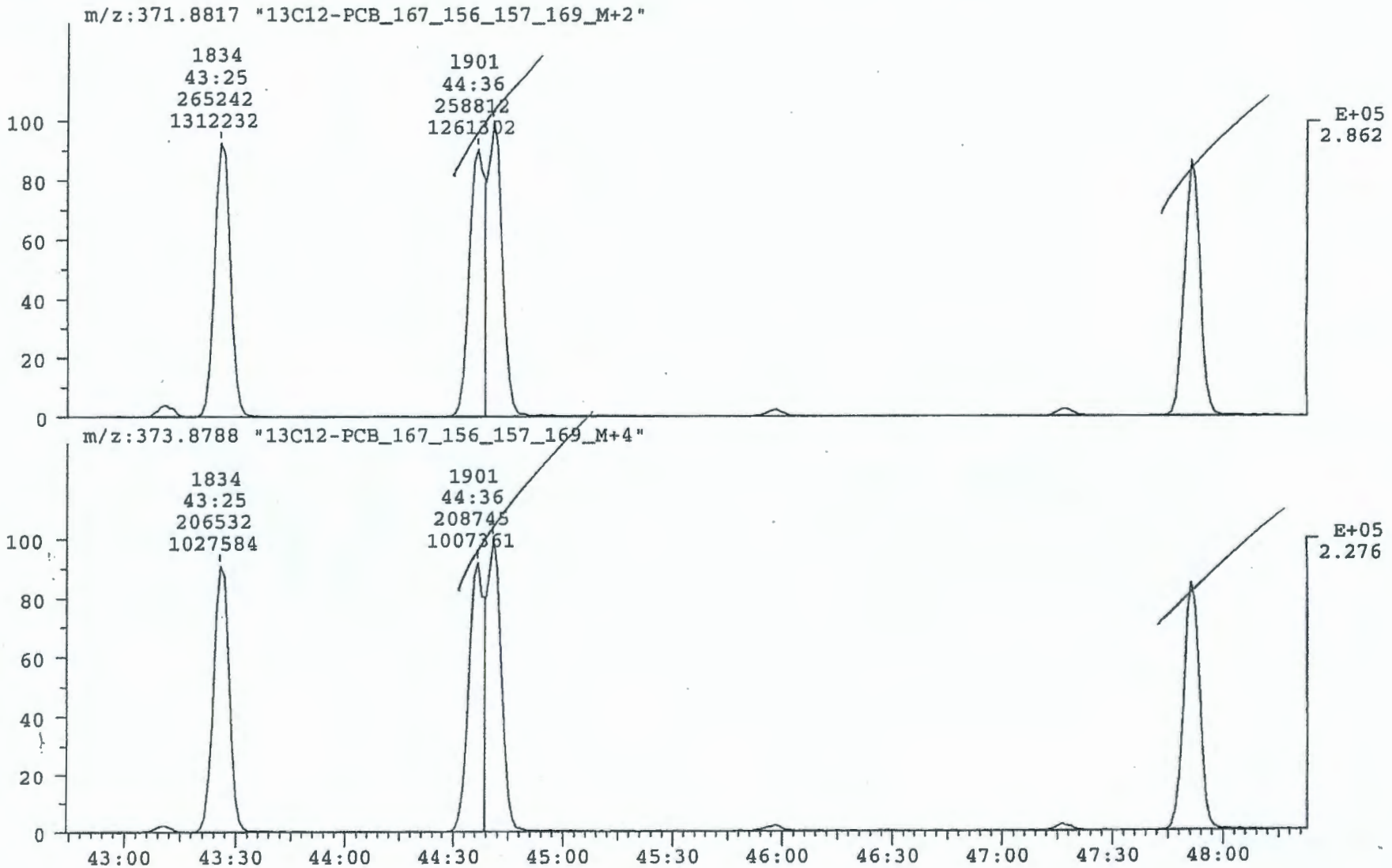
```
CHRO:  a07030731                                07-Mar-07   Elapse:  32:02      1191
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1.                Start :  19:07:06   2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  5
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
```



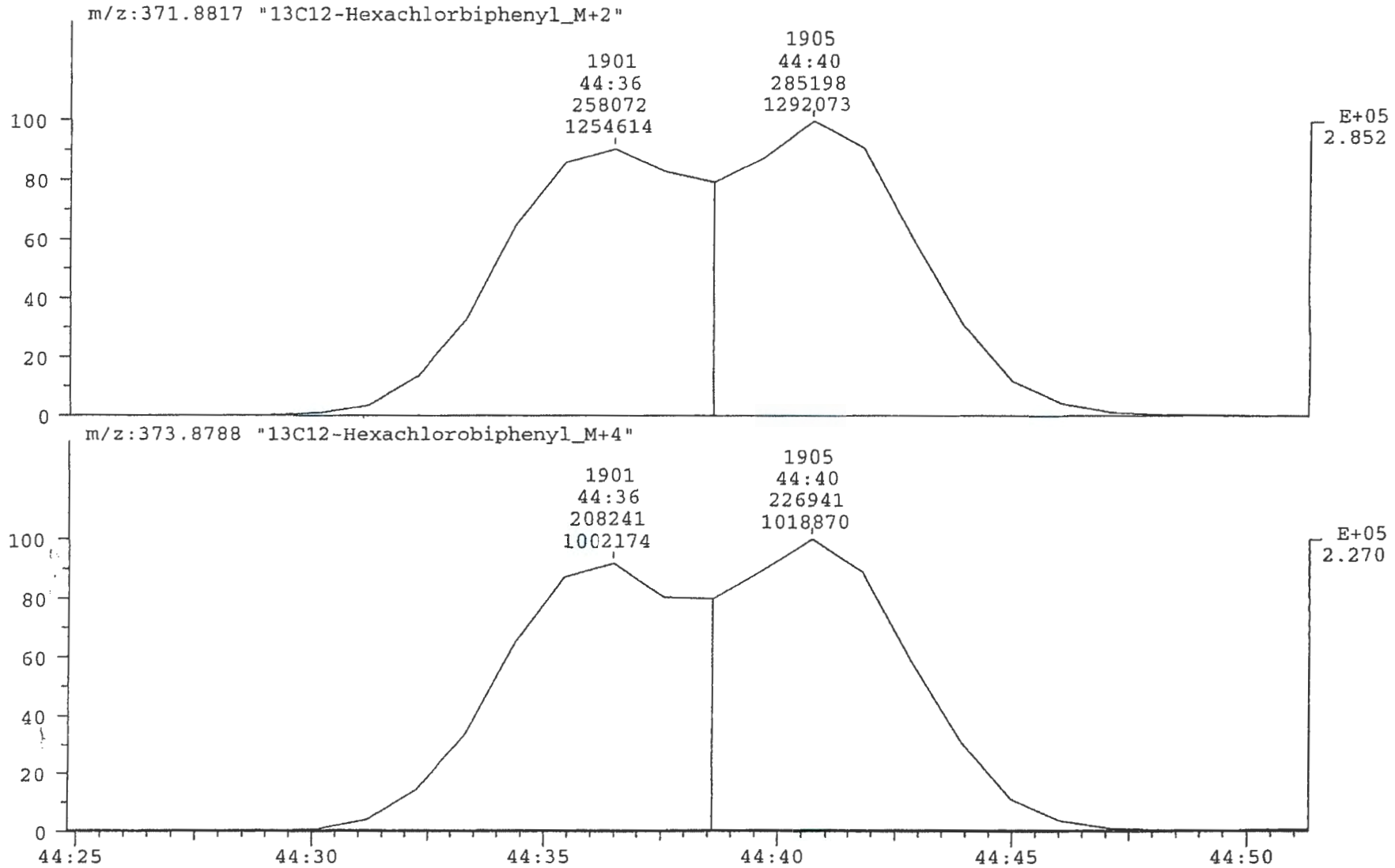
```
CHRO:  a07030731                                07-Mar-07   Elapse:  39:49      1630
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=200703131
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   5
Peak:  100.00  ppm     Label wndw:   1558 > 1704            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



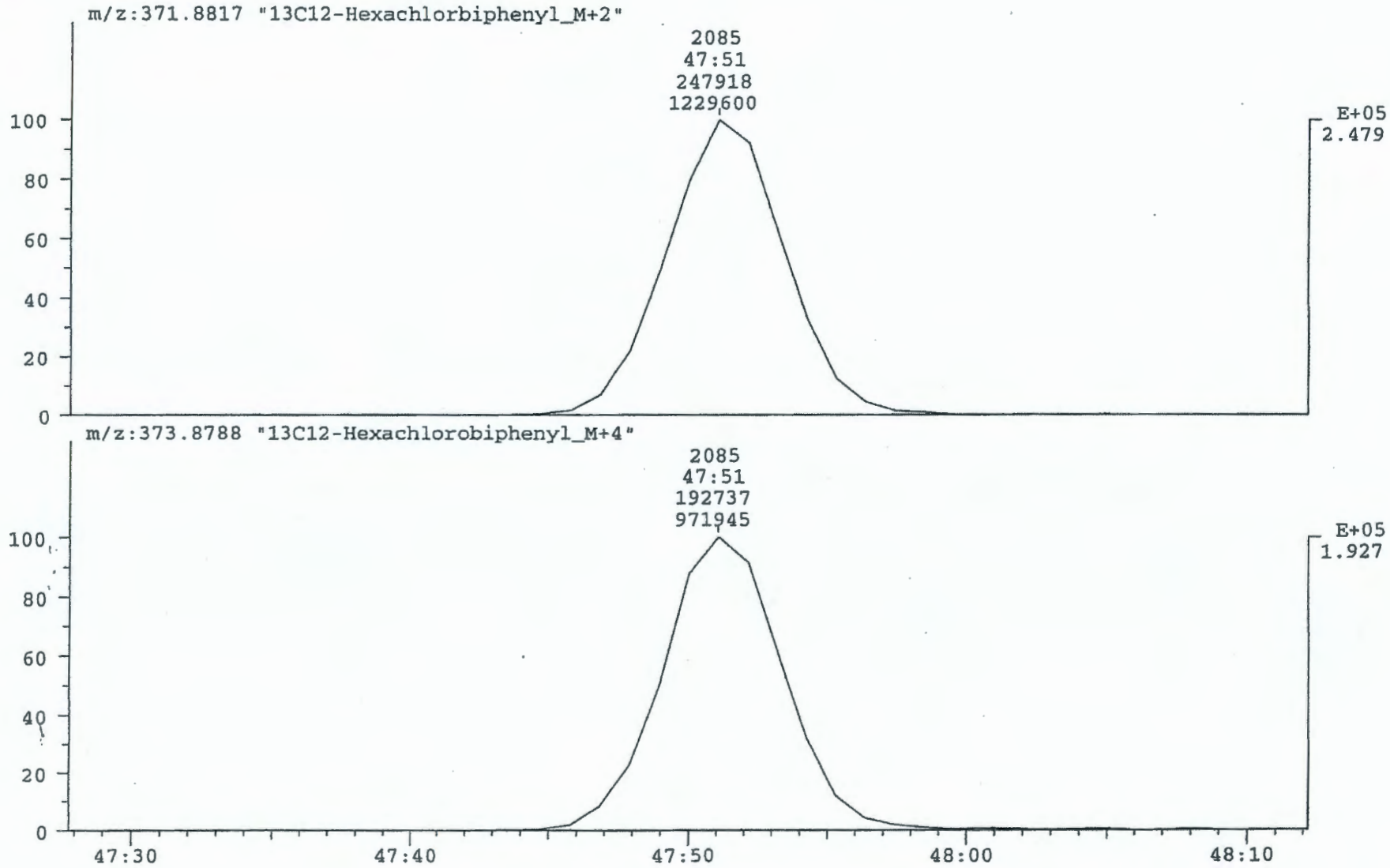
```
CHRO:  a07030731                                07-Mar-07   Elapse:  45:38      1960
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  5
Peak:  100.00  ppm      Label wndw:   1795 > 2115           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



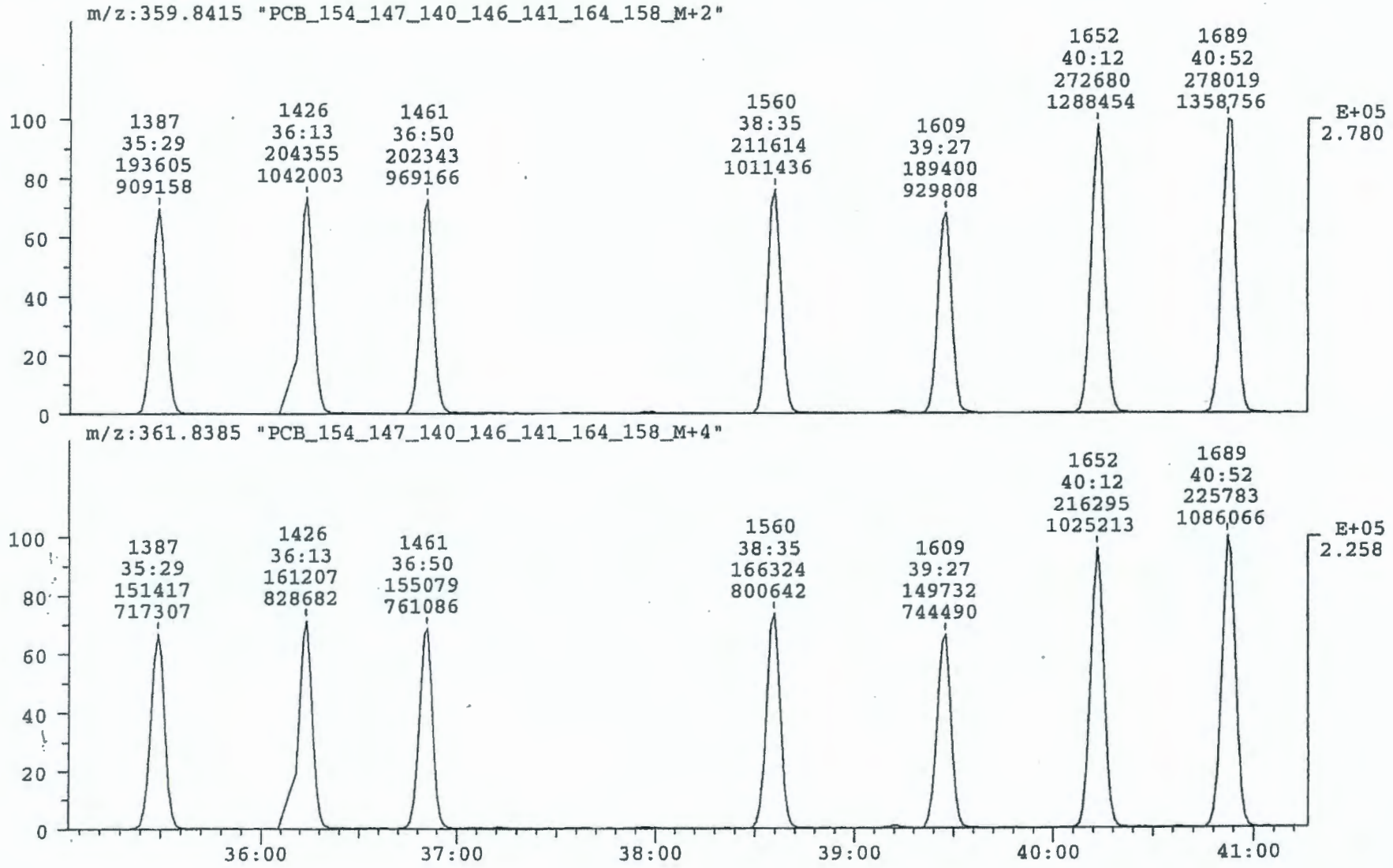
```
CHRO:  a07030731                                07-Mar-07   Elapse:  56:12      2555
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   1890 > 1915           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



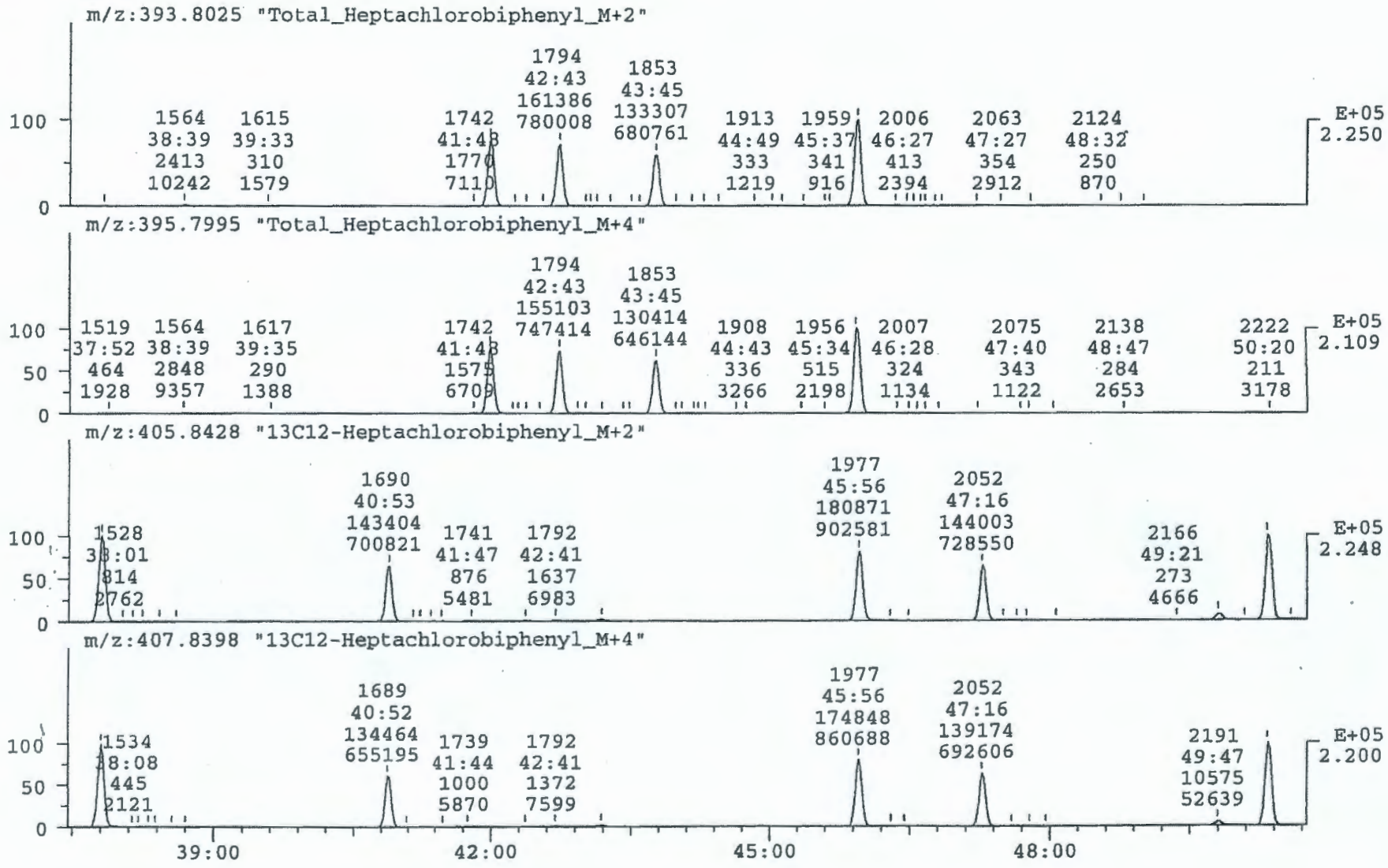
```
CHRO:  a07030731                                07-Mar-07  Elapse:  56:12      2555
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run1
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  5
Peak:  100.00  ppm     Label wndw:   2063 > 2105          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



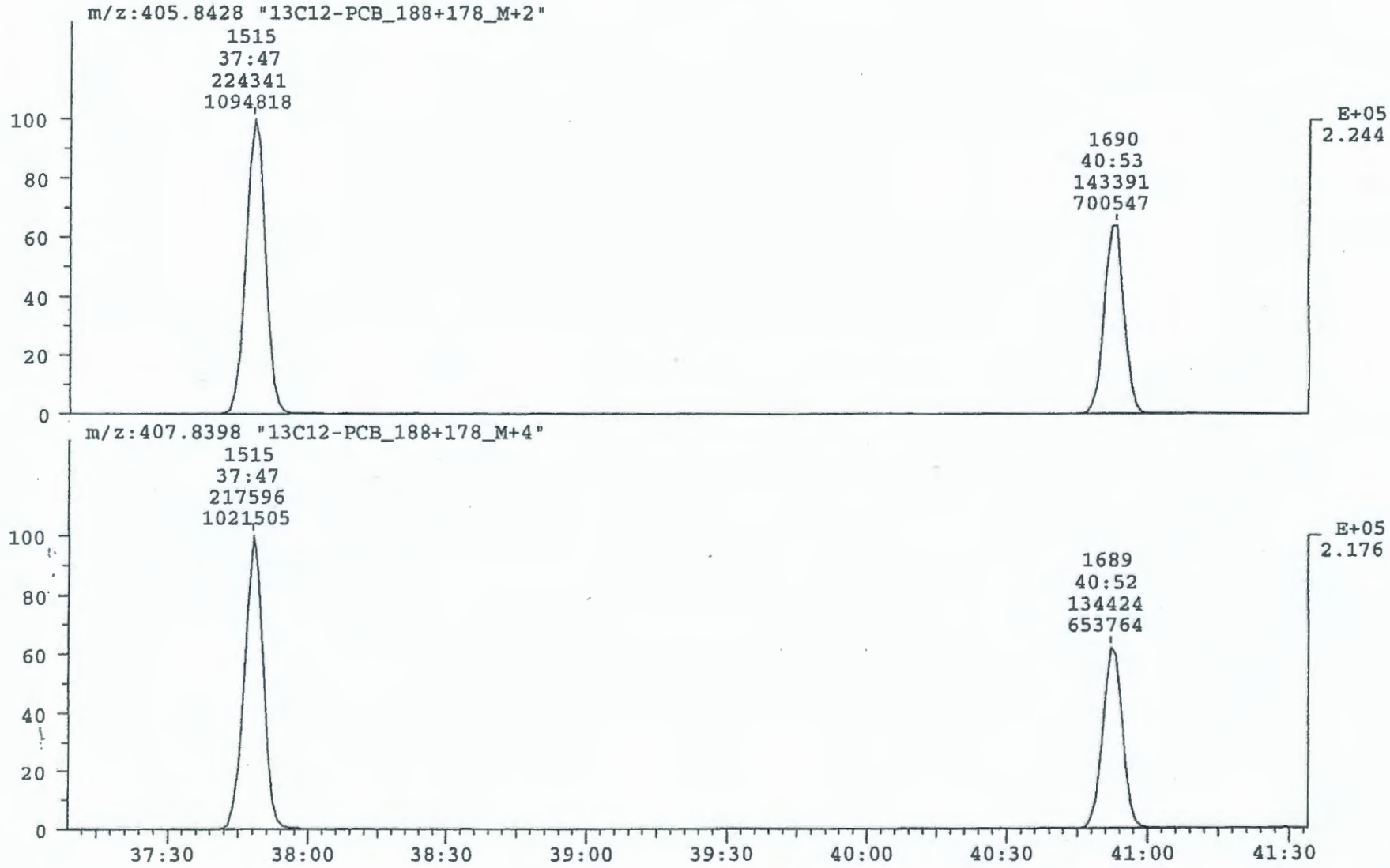
```
CHRO:  a07030731                                07-Mar-07   Elapse:  38:11      1537
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   1362 > 1712           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



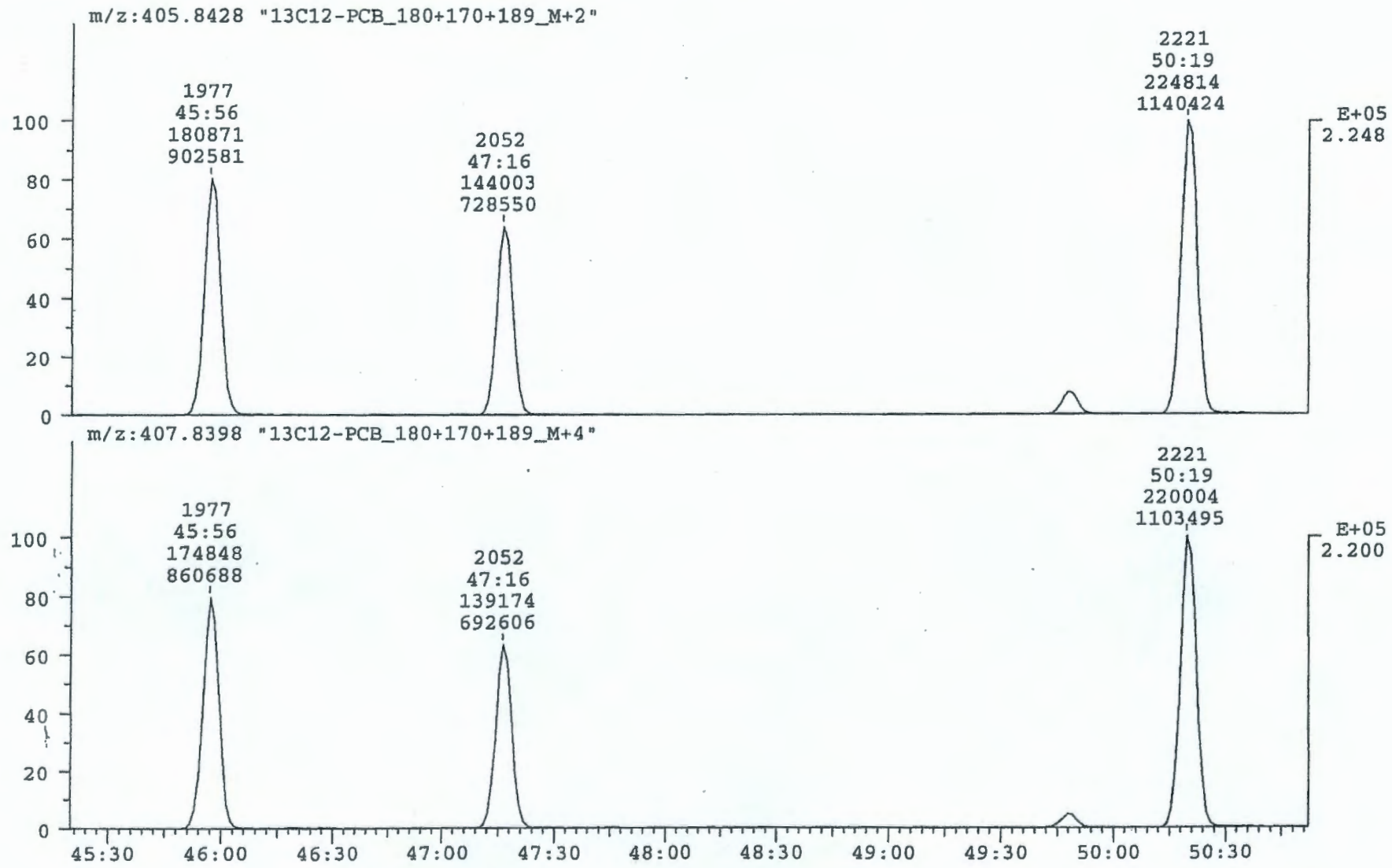
CHRO: a07030731 07-Mar-07 Elapse: 44:05 1872
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 19:07:06 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1495 > 2245 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



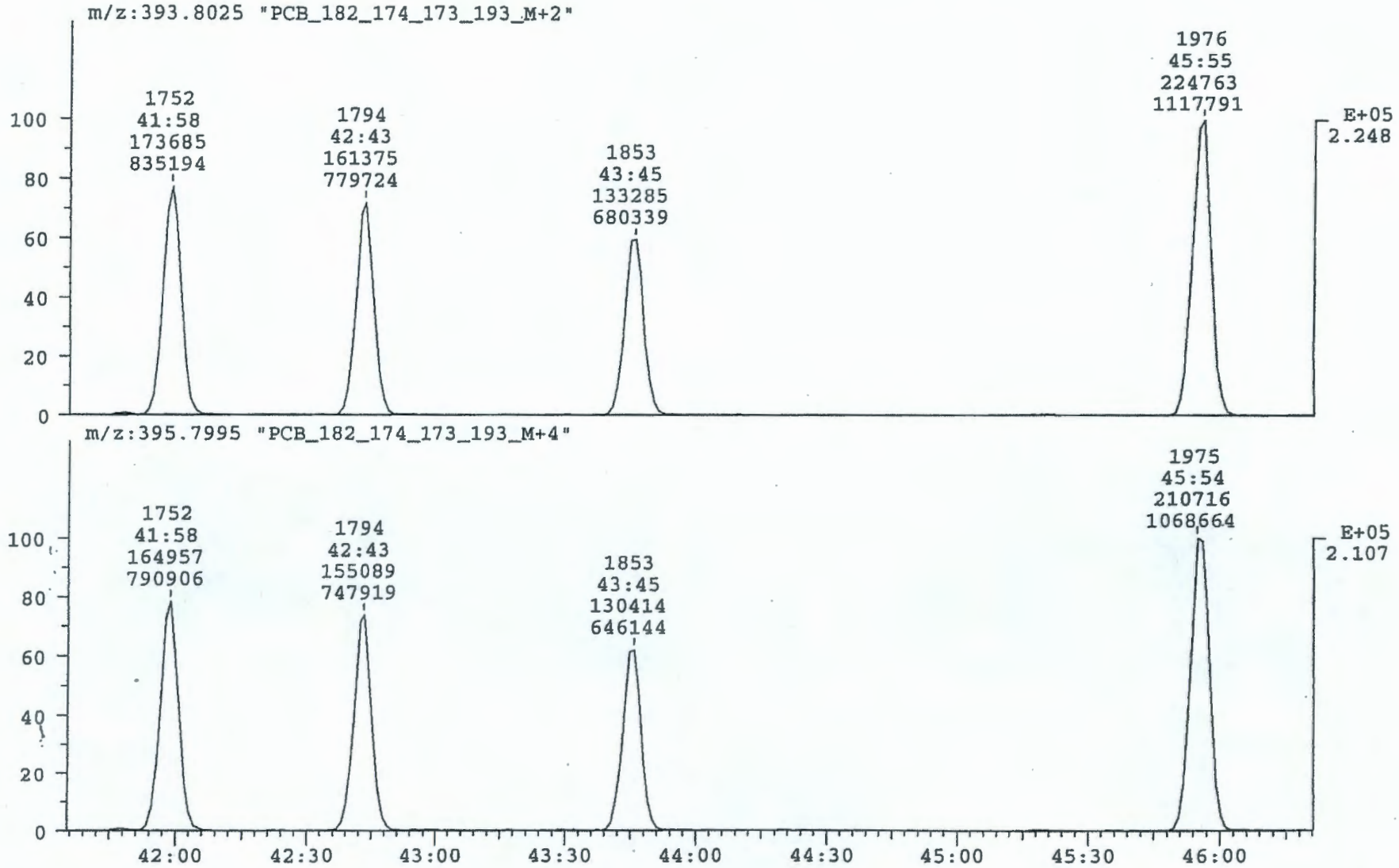
```
CHRO:  a07030731                                07-Mar-07   Elapse:  39:21      1603
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  5
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
```



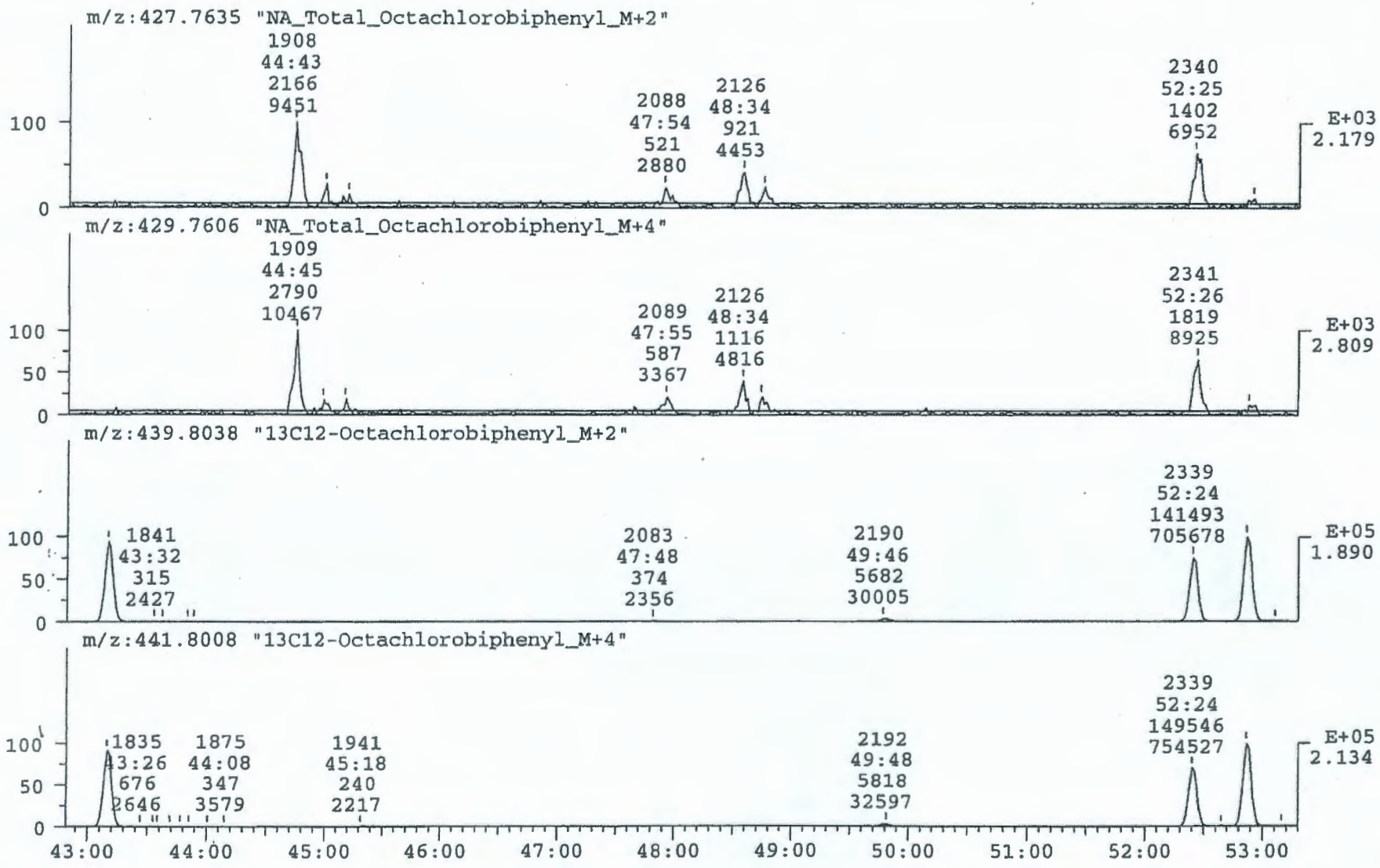
```
CHRO:  a07030731                                07-Mar-07  Elapse:  48:09      2102
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   1942 > 2252         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



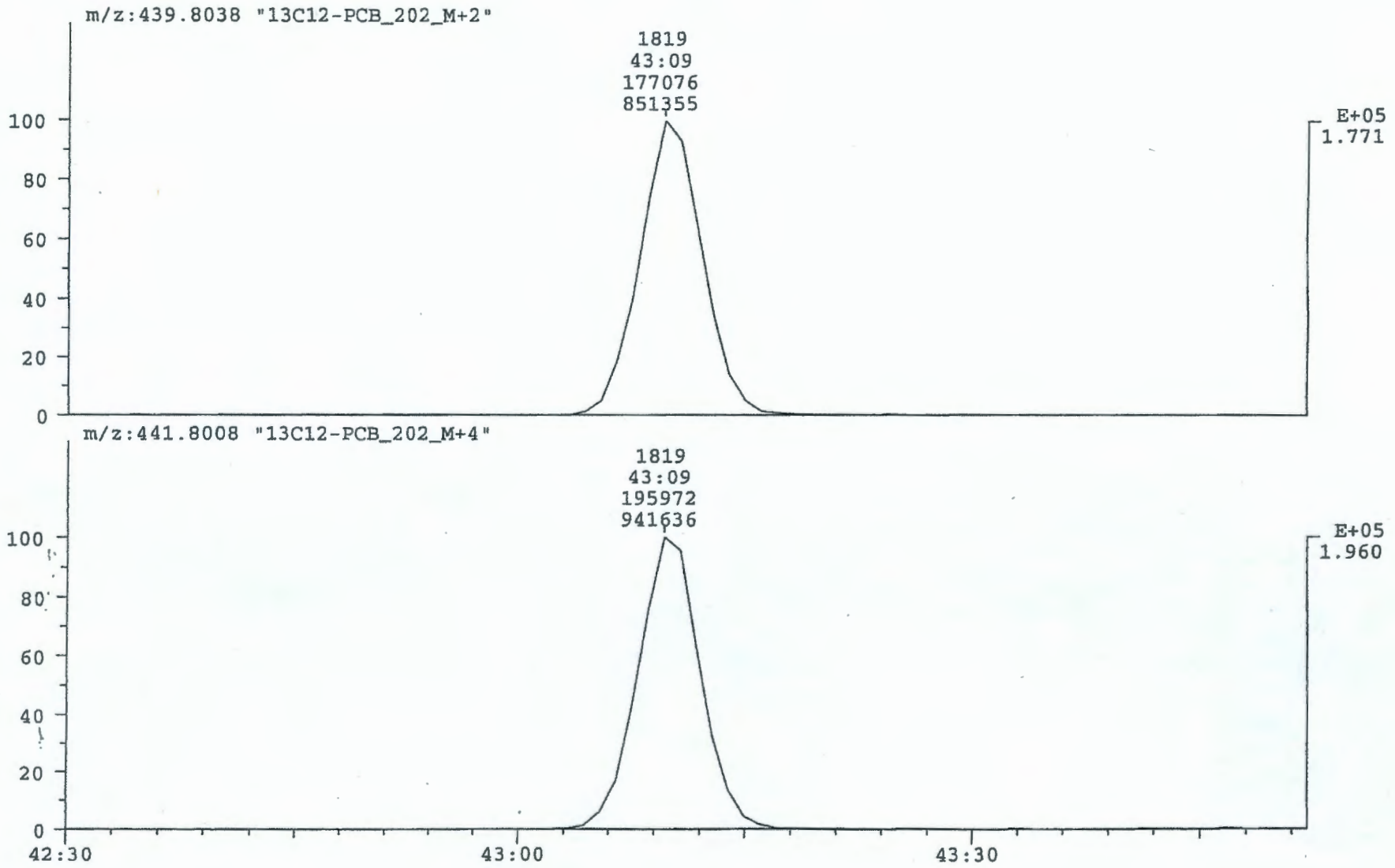
```
CHRO:  a07030731                                07-Mar-07   Elapse:  43:58      1865
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  5
Peak:  100.00  ppm      Label wndw:   1730 > 2000           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



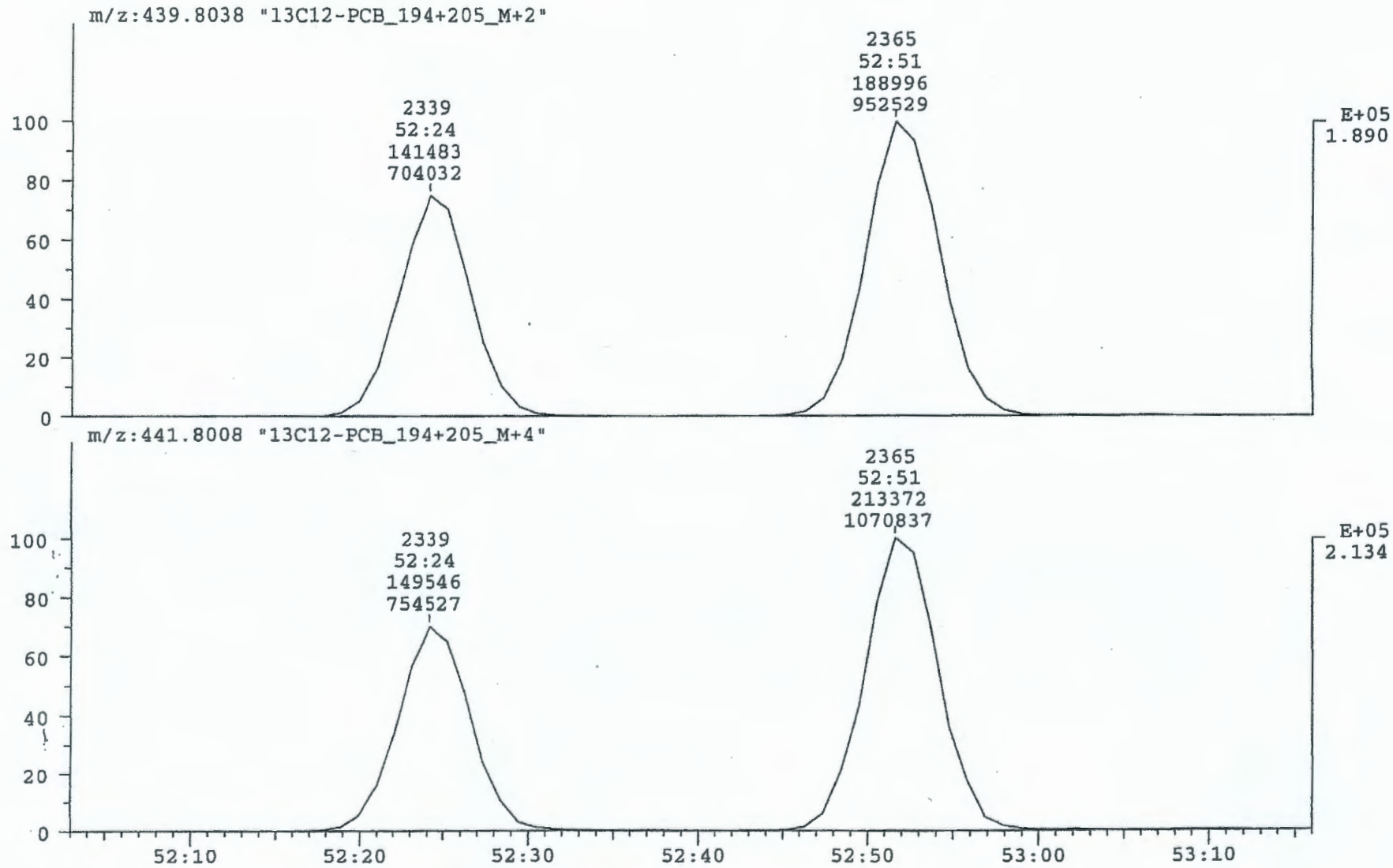
```
CHRO:  a07030731                                07-Mar-07  Elapse:  48:02      2096
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial  5
Peak:  100.00  ppm      Label wndw:   1800 > 2390          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



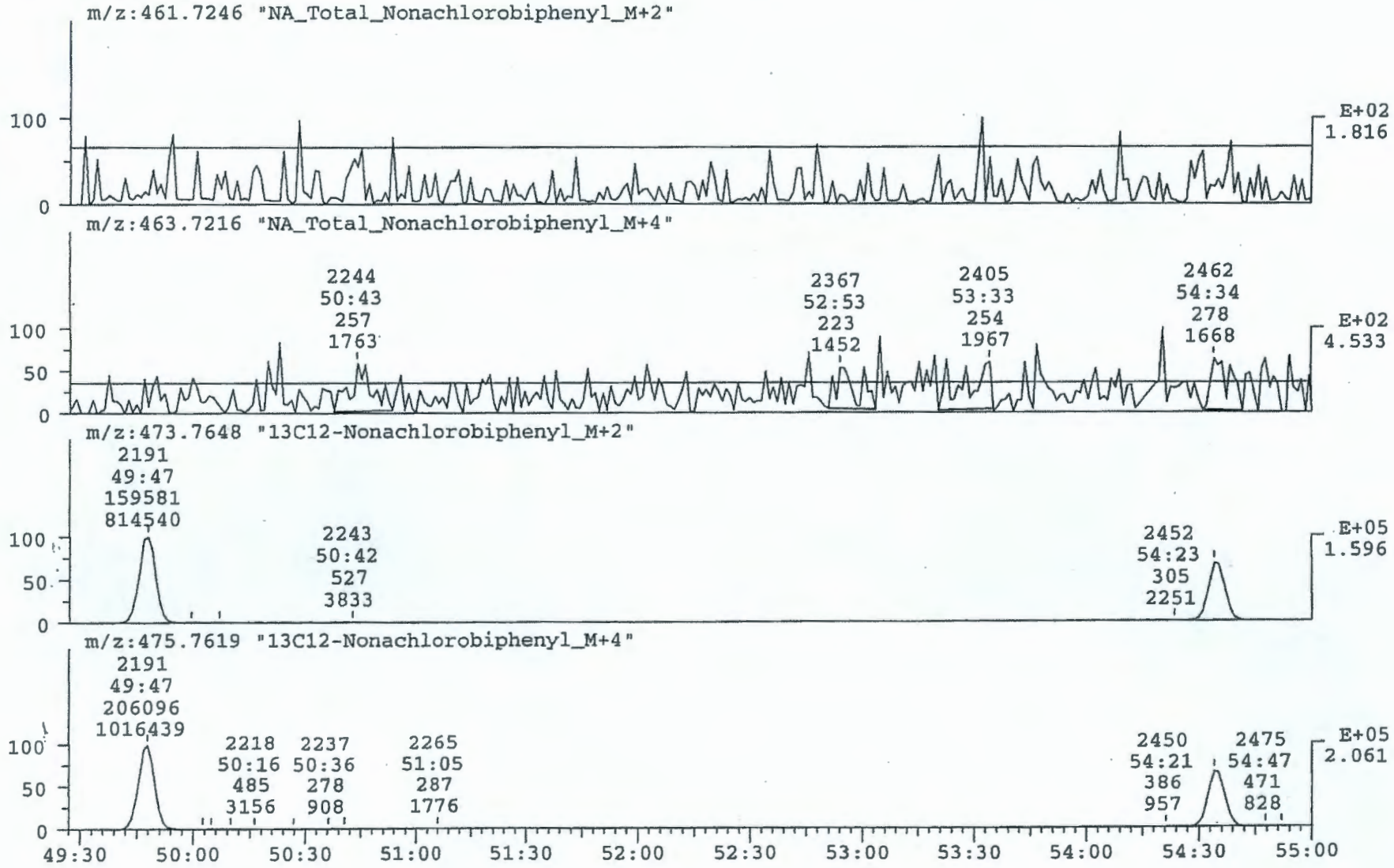
```
CHRO:  a07030731                                07-Mar-07  Elapse:  43:07      1817
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run1
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  5
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
```



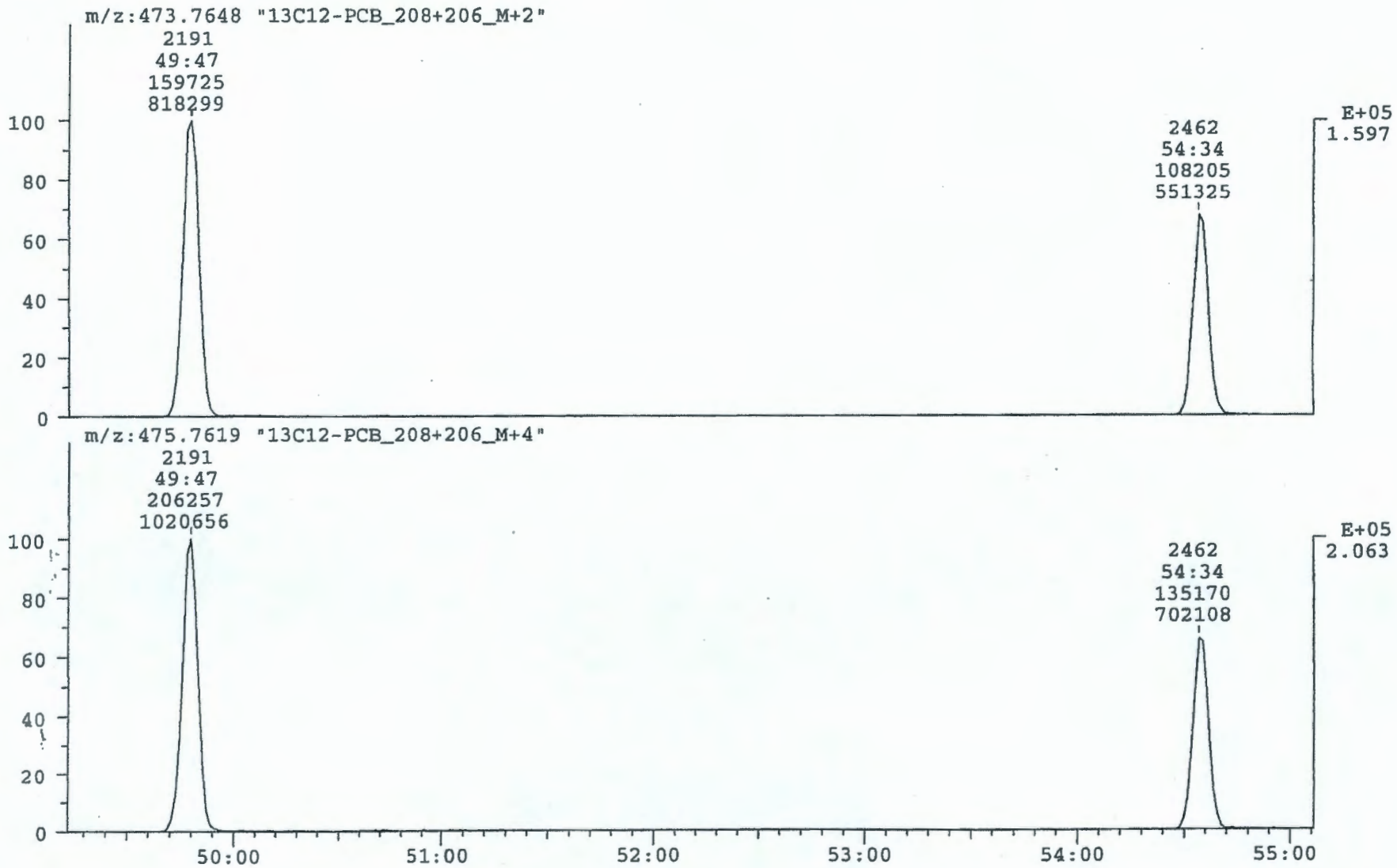
CHRO: a07030731 07-Mar-07 Elapse: 52:38 2353
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 19:07:06 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 2319 > 2388 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



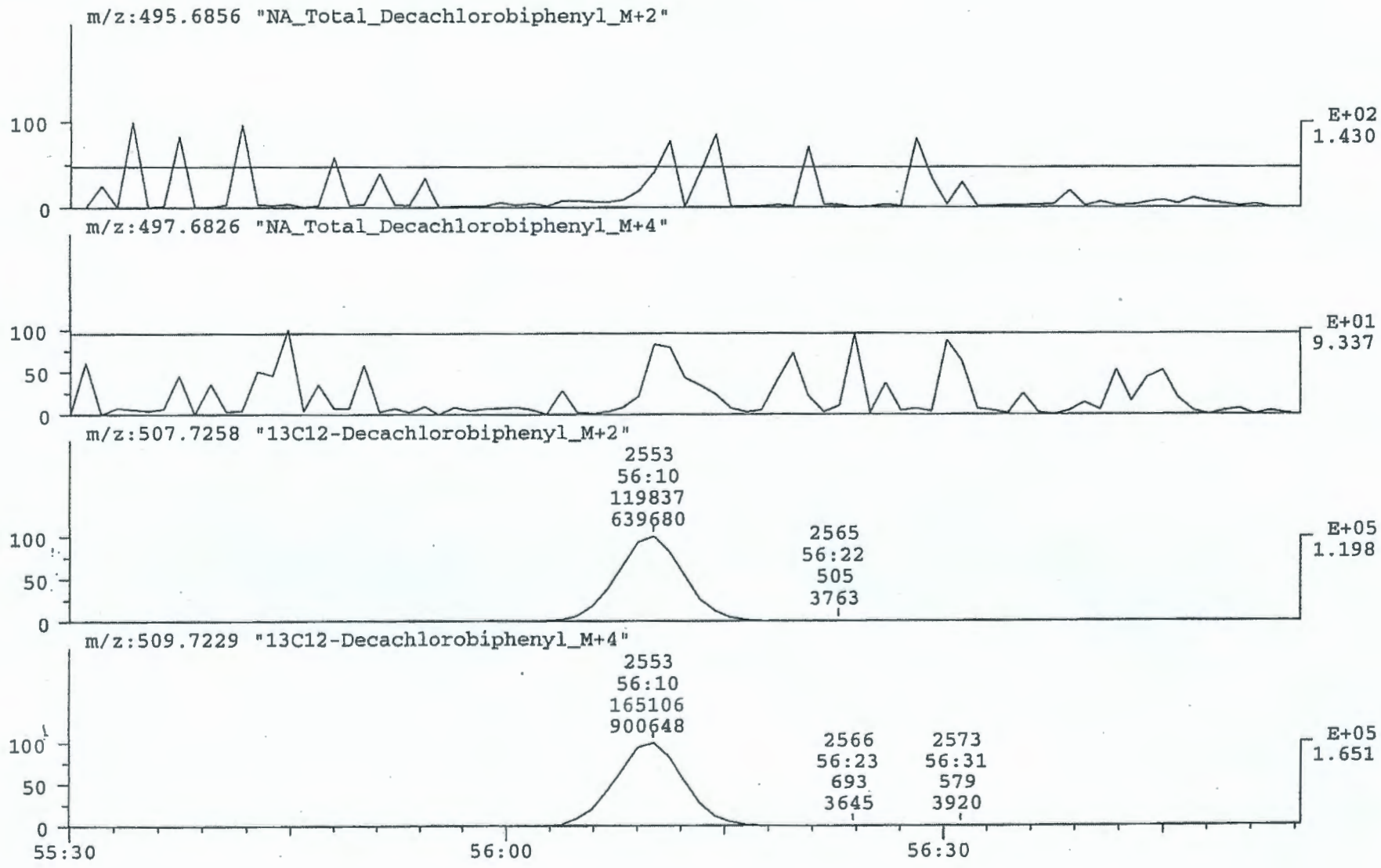
CHRO: a07030731 07-Mar-07 Elapse: 52:13 2329
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 19:07:06 2601
Comm: Inst=mld/35055-03a Batch=20070307rt .Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 2171 > 2487 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  a07030731                                07-Mar-07  Elapse:  52:12      2328
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  19:07:06   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run1
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  5
Peak:  100.00  ppm     Label wndw:   2163 > 2493          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



```
CHRO:  a07030731                                07-Mar-07  Elapse:  56:12      2555
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  19:07:06   2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial  5
Peak:  100.00  ppm      Label wndw:   2515 > 2595         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```




1680

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: a07030731
Study: 1668 RT Mix3/Run1
Sample: WO=2990:75Mix3 Meth=IE3 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: STL Knoxville
Comments: Inst=m1d/137819-2 Batch=20070307s1 Ccal=20050801i
Injected volume: 2.00
Sample from Vial 5
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 3 of list 070307
ICL procedure: sleep7x
MID procedure: epa1668n

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 | 22:01 min | 14:03 min | 36:04 min | 1.00 sec |
| # 3 | 36:05 min | 13:10 min | 49:15 min | 1.00 sec |
| # 4 | 49:16 min | 7:44 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 : epa1668n

| | | | |
|---|---|---|---|
| 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 | 1032.2528 |
| 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 | 0.0000 | DITSET | 0.0000 | DRAW | -18.7750 |
| DRAWC | 1.0000 | DRAWS | 0.0050 | ECORR | 0.9999 |
| ECURR | 1.0000 | EDAC | 7969177.0000 | EDACG | 0.9999 |
| EDACR | 23.0000 | EDACZ | 1160.0000 | ELEN | 67.4250 |
| EMULT | 1.5500 | ENS | 180.0000 | ERATIO | 1.0000 |
| ESA | 763.8000 | ESICUR | 10.0011 | ESIPAR | 0.0000 |
| EXS | 144.0000 | FDMA | 18000000.0000 | FLENS | 1.0000 |
| FM | 20.0000 | FMII | 50.0000 | FQUAD | 0.0000 |
| FREQ | 300.4808 | FSLOPE | 54000000.0000 | FVANAL | 253.0000 |
| FVINLET | 254.0000 | FVSRC | 825.0000 | FWIN | 0.7000 |
| GCTC | 200.0000 | GCTI | 270.0000 | GCTL | 280.0000 |
| HACCU | 208.0000 | HCURR | 0.7647 | HVANAL | 1320.0000 |
| HVSRC | 0.0000 | ICAL0 | 0.0011 | ICAL1 | 0.4030 |
| ICAL2 | 0.5865 | IONEN | 4774.1100 | IST | 271.3713 |
| ISTC | 0.0000 | ISTCKP | 5.0000 | ISTCTD | 1.0000 |
| ISTCTN | 2.0000 | ISTCTS | 60.0000 | ISTCTV | 3.0000 |
| ISTS | 270.0000 | LENS | 1800.0000 | LENSS | 21.0000 |
| LKM | 404.9760 | LM | 800.0000 | LMASS | 180.4888 |
| LMII | 500.0000 | MASS | 180.4888 | MDAC | 2346712.5794 |

| | | | | | |
|---|---|---|---|---|---|
| MDACR | 23.0000 | MRANGE | 1032.2528 | MSFM | 2.0000 |
| MSLM | 3790.0000 | NPEAK | 1.0000 | NSAM | 100.0000 |
| NSCAN | 2607.0000 | NSMAX | 8.0000 | NSMIN | 2.0000 |
| OCT | -2.0000 | PSAM | 10.0000 | PUSHER | -10.0000 |
| RDRAW | 0.0000 | RDRAWC | 0.0000 | RECURR | 0.0000 |
| RELEN | 0.0000 | RES | 10314.6723 | RFAMP | 799.9987 |
| RFCUR | 100.0110 | RPUSHER | 0.0000 | RWIN | 2.0000 |
| SACCU | 3.0000 | SCIDLE | 1.0000 | SHIELD | 2918.0000 |
| SHIELDS | 0.0000 | SHIGH | 180.0000 | SKIM | 7.0000 |
| SLOW | 60.0000 | SPRAY | 8.0000 | SS | 3.0000 |
| SW | 0.0500 | TANAL | 420.7500 | TCURR | 0.7031 |
| 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 | 2.1750 | USERVAR | 0.0000 | VAPTEMP | 599.9997 |
| VAPTSET | 400.0000 | VMASS | 180.4888 | XLENS | 2000.0000 |
| XLENSS | -34.8000 | YLENS | 2600.0000 | YLENSS | -24.8000 |

Scantype is electric
Sourcemode is EI POS

Analysis started at: 07-Mar-07 19:07:06.0

Autosampler has injected sample from vial 5
MID Time Window 1: Resolution is 8227
MID Time Window 2: Resolution is 7911
MID Time Window 3: Resolution is 9024
MID Time Window 4: Resolution is 10657
Analysis stopped at: 07-Mar-07 20:04:08.7 (run time 57.03 minutes)
Analysis stopped because MID run finished

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX3 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030732. | Prep Date | | SDG No | |
| Analysis ID | 96246 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 00:15 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | | | | | 188.0393 | 190.0363 | 188.0393 | 190.0363 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 200 | | | | | 200.0795 | 202.0766 | 200.0795 | 202.0766 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 203 | 323 | 81 | 129 | 0.63 * | / | |
| | 13C12-PCB 1 | 12:12 | 00:00 | 0 | 2287212 | 728164 | 989743 | 311883 | 3.14 | AVV/AVV | |
| | 13C12-PCB 3 | 14:25 | 00:00 | 0 | 2295207 | 707915 | 804128 | 243288 | 3.24 | ABV/AVV | |
| 222 | | | | | 222.0003 | 223.9974 | 222.0003 | 223.9974 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 273 | 563 | 109 | 225 | 0.48 * | / | |
| | PCB 13 (BZ) | 20:21 | 00:00 | 0 | 844006 | 541580 | 216432 | 136833 | 1.56 | AVV/ABV | |
| 234 | | | | | 234.0406 | 236.0376 | 234.0406 | 236.0376 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 363 | 218 | 145 | 87 | 1.67 | / | |
| | 13C12-PCB 4 | 14:42 | 00:00 | 0 | 967592 | 603329 | 321247 | 200463 | 1.60 | AVV/ABV | |
| | 13C12-PCB 9 | 16:40 | 00:00 | 0 | 1657578 | 1021463 | 508338 | 319284 | 1.62 | AVV/ABV | |
| | 13C12-PCB 8 | 17:33 | 00:00 | 0 | 1704138 | 1048476 | 489884 | 308968 | 1.63 | AVV/AVV | |
| | 13C12-PCB 15 | 20:41 | 00:00 | 0 | 1663754 | 1035930 | 424901 | 265571 | 1.61 | ABV/ABV | |
| 256 | | | | | 255.9613 | 257.9584 | 255.9613 | 257.9584 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 153 | 158 | 61 | 63 | 0.97 | / | |
| | PCB 17 (BZ) | 20:10 | 00:00 | 0 | 374481 | 341098 | 100232 | 91677 | 1.10 | ABV/ABV | |
| | PCB 29 (BZ) | 22:51 | 00:00 | 0 | 805060 | 775455 | 191072 | 187310 | 1.04 | ABV/ABV | |
| | PCB 20 (BZ) | 23:48 | 00:00 | 0 | 743041 | 715551 | 181102 | 172837 | 1.04 | ABV/ABV | D |
| 268 | | | | | 268.0016 | 269.9986 | 268.0016 | 269.9986 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 600 | 283 | 240 | 113 | 2.12 * | / | |
| | 13C12-PCB 19 | 17:54 | 00:00 | 0 | 583562 | 528205 | 167694 | 153418 | 1.10 | ABV/AVV | |
| | 13C12-PCB 32 | 21:09 | 00:00 | 0 | 1065350 | 1000862 | 268680 | 249777 | 1.06 | ABV/ABV | |
| | 13C12-PCB 31 | 23:25 | 00:00 | 0 | 1605874 | 1533413 | 378474 | 364194 | 1.05 | AVV/ABV | |
| | 13C12-PCB 28 | 23:42 | 00:00 | 0 | 1491337 | 1414301 | 357789 | 339798 | 1.05 | AVV/AVV | |
| | 13C12-PCB 37 | 27:47 | 00:00 | 0 | 1427738 | 1317013 | 308750 | 283566 | 1.08 | AVV/ABV | |
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 238 | 190 | 95 | 76 | 1.25 * | / | |
| | PCB 46 (BZ) | 24:15 | 00:00 | 0 | 648936 | 832284 | 151350 | 192867 | 0.78 | ABV/ABV | D |
| | PCB 65 (BZ) | 26:33 | 00:00 | 0 | 1043620 | 1337609 | 240896 | 305495 | 0.78 | ABV/ABV | |
| | PCB 59 (BZ) | 26:55 | 00:00 | 0 | 1059188 | 1348097 | 241314 | 310030 | 0.79 | AVV/AVV | M |
| | PCB 40 (BZ) | 27:41 | 00:00 | 0 | 565131 | 732316 | 127400 | 167534 | 0.77 | ABB/ABB | DM |
| | PCB 67 (BZ) | 29:43 | 00:00 | 0 | 1189024 | 1536425 | 258492 | 338105 | 0.77 | ABV/ABV | D |
| | PCB 76 (BZ) | 30:22 | 00:00 | 0 | 1084357 | 1369499 | 233832 | 292303 | 0.79 | ABV/AVV | M |
| | PCB 80 (BZ) | 31:53 | 00:00 | 0 | 1245388 | 1565679 | 268077 | 339864 | 0.80 | ABV/ABV | D |
| 302 | | | | | 301.9626 | 303.9597 | 301.9626 | 303.9597 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 165 | 138 | 66 | 55 | 1.20 * | / | |
| | 13C12-PCB 54 | 21:02 | 00:00 | 0 | 518277 | 636085 | 132593 | 158056 | 0.81 | ABV/ABV | |
| | 13C12-PCB 52 | 25:33 | 00:00 | 0 | 776157 | 952126 | 188943 | 226025 | 0.82 | ABV/ABV | |
| | 13C12-PCB 79 | 33:28 | 00:00 | 0 | 1099175 | 1377585 | 239511 | 303048 | 0.80 | ABV/ABV | |
| | 13C12-PCB 81 | 34:30 | 00:00 | 0 | 982537 | 1209878 | 200597 | 257226 | 0.81 | ABV/ABV | D |
| | 13C12-PCB 77 | 35:06 | 00:00 | 0 | 1013088 | 1269591 | 214312 | 260061 | 0.80 | ABV/ABV | D |
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |

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*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX3 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030732. | Prep Date | | SDG No | |
| Analysis ID | 96246 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 00:15 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 188 | 158 | 75 | 63 | 1.19 * | / | |
| | PCB 93 (BZ) | 29:43 | 00:00 | 0 | 786961 | 489833 | 177683 | 110875 | 1.61 | AVV/ABV | D |
| | PCB 84 (BZ) | 30:39 | 00:00 | 0 | 762604 | 479061 | 162072 | 104378 | 1.59 | ABV/ABV | D |
| | PCB 101 (BZ) | 32:23 | 00:00 | 0 | 1020732 | 639923 | 219860 | 136096 | 1.60 | ABV/ABV | DM |
| | PCB 112 (BZ) | 33:06 | 00:00 | 0 | 1240566 | 774562 | 266380 | 165498 | 1.60 | AVV/AVV | D |
| | PCB 86 (BZ) | 33:30 | 00:00 | 0 | 833069 | 515469 | 175426 | 108064 | 1.62 | AVV/AVV | DM |
| | PCB 116 (BZ) | 34:10 | 00:00 | 0 | 1173449 | 738165 | 252092 | 156442 | 1.59 | AVV/AVV | DM |
| | PCB 107 (BZ)/109 (IUPAC | 36:56 | 00:00 | 0 | 1570970 | 1012184 | 324718 | 205523 | 1.55 | AVV/AVV | D |
| 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 | 26:29 | 00:00 | 0 | 1151016 | 705782 | 263394 | 164419 | 1.63 | ABV/ABV | D |
| | 13C12-PCB 95 | 29:31 | 00:00 | 0 | 848882 | 538166 | 181818 | 116951 | 1.58 | AVV/AVV | D |
| | 13C12-PCB 101 | 32:22 | 00:00 | 0 | 920064 | 569694 | 205744 | 125184 | 1.62 | ABV/ABV | |
| | 13C12-PCB 111 | 35:00 | 00:00 | 0 | 1147302 | 723640 | 245847 | 155003 | 1.59 | AVV/ABV | |
| | 13C12-PCB 123 | 37:01 | 00:00 | 0 | 1397820 | 860762 | 293335 | 181467 | 1.62 | ABV/ABV | D |
| | 13C12-PCB 118 | 37:20 | 00:00 | 0 | 1450389 | 910687 | 301695 | 188326 | 1.59 | AVV/AVV | D |
| | 13C12-PCB 114 | 37:53 | 00:00 | 0 | 1416363 | 879125 | 291550 | 183564 | 1.61 | AVV/AVV | D |
| | 13C12-PCB 105 | 38:35 | 00:00 | 0 | 1349661 | 860540 | 281831 | 179501 | 1.57 | ABV/ABV | D |
| | 13C12-PCB 127 | 39:58 | 00:00 | 0 | 1526275 | 963961 | 312777 | 206129 | 1.58 | ABV/AVV | |
| | 13C12-PCB 126 | 41:39 | 00:00 | 0 | 1468769 | 930991 | 296727 | 189552 | 1.58 | ABV/ABV | D |
| 360 | | | | | 359.8415 | 361.8385 | 359.8415 | 361.8385 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 288 | 270 | 115 | 108 | 1.06 | / | |
| | PCB 154 (BZ) | 35:27 | 00:00 | 0 | 836954 | 657849 | 173976 | 137415 | 1.27 | ABV/ABV | D |
| | PCB 147 (BZ) | 36:12 | 00:00 | 0 | 994072 | 794003 | 190915 | 154068 | 1.25 | AVV/ABV | D |
| | PCB 140 (BZ) | 36:49 | 00:00 | 0 | 905518 | 711854 | 195083 | 149440 | 1.27 | AVV/AVV | DM |
| | PCB 146 (BZ) | 38:34 | 00:00 | 0 | 951511 | 746114 | 207259 | 161452 | 1.28 | ABV/ABV | D |
| | PCB 141 (BZ) | 39:25 | 00:00 | 0 | 883201 | 696987 | 187989 | 152247 | 1.27 | AVV/ABV | D |
| | PCB 164 (BZ) | 40:12 | 00:00 | 0 | 1204440 | 935923 | 253103 | 196180 | 1.29 | ABV/AVV | |
| | PCB 158 (BZ) | 40:51 | 00:00 | 0 | 1275484 | 1011888 | 263702 | 213124 | 1.26 | ABV/ABV | |
| 372 | | | | | 371.8817 | 373.8788 | 371.8817 | 373.8788 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 148 | 228 | 59 | 91 | 0.65 * | / | |
| | 13C12-PCB 155 | 32:03 | 00:00 | 0 | 941645 | 744720 | 205100 | 157451 | 1.26 | ABV/ABV | D |
| | 13C12-PCB 153 | 39:09 | 00:00 | 0 | 977001 | 770835 | 205957 | 162000 | 1.27 | ABV/ABV | D |
| | 13C12-PCB 138 | 40:28 | 00:00 | 0 | 983367 | 766889 | 206306 | 160367 | 1.28 | ABV/ABV | |
| | 13C12-PCB 167 | 43:24 | 00:00 | 0 | 1208157 | 942999 | 248588 | 188194 | 1.28 | AVV/AVV | |
| | 13C12-PCB 156 | 44:35 | 00:00 | 0 | 1084620 | 879306 | 240188 | 187891 | 1.23 | ABV/ABV | D |
| | 13C12-PCB 157 | 44:39 | 00:00 | 0 | 1261124 | 978194 | 266099 | 209930 | 1.29 | AVB/AVB | M |
| | 13C12-PCB 169 | 47:50 | 00:00 | 0 | 1173354 | 919716 | 236580 | 182633 | 1.28 | ABV/ABV | D |
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 198 | 175 | 79 | 70 | 1.13 | / | |
| | PCB 182 (BZ) | 41:58 | 00:00 | 0 | 765240 | 736214 | 153478 | 150244 | 1.04 | AVV/AVV | D |
| | PCB 174 (BZ) | 42:42 | 00:00 | 0 | 707915 | 699432 | 142304 | 141375 | 1.01 | AVV/AVV | D |
| | PCB 173 (BZ) | 43:44 | 00:00 | 0 | 643177 | 605736 | 130123 | 119247 | 1.06 | AVV/AVV | DM |

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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX3 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030732. | Prep Date | | SDG No | |
| Analysis ID | 96246 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 00:15 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

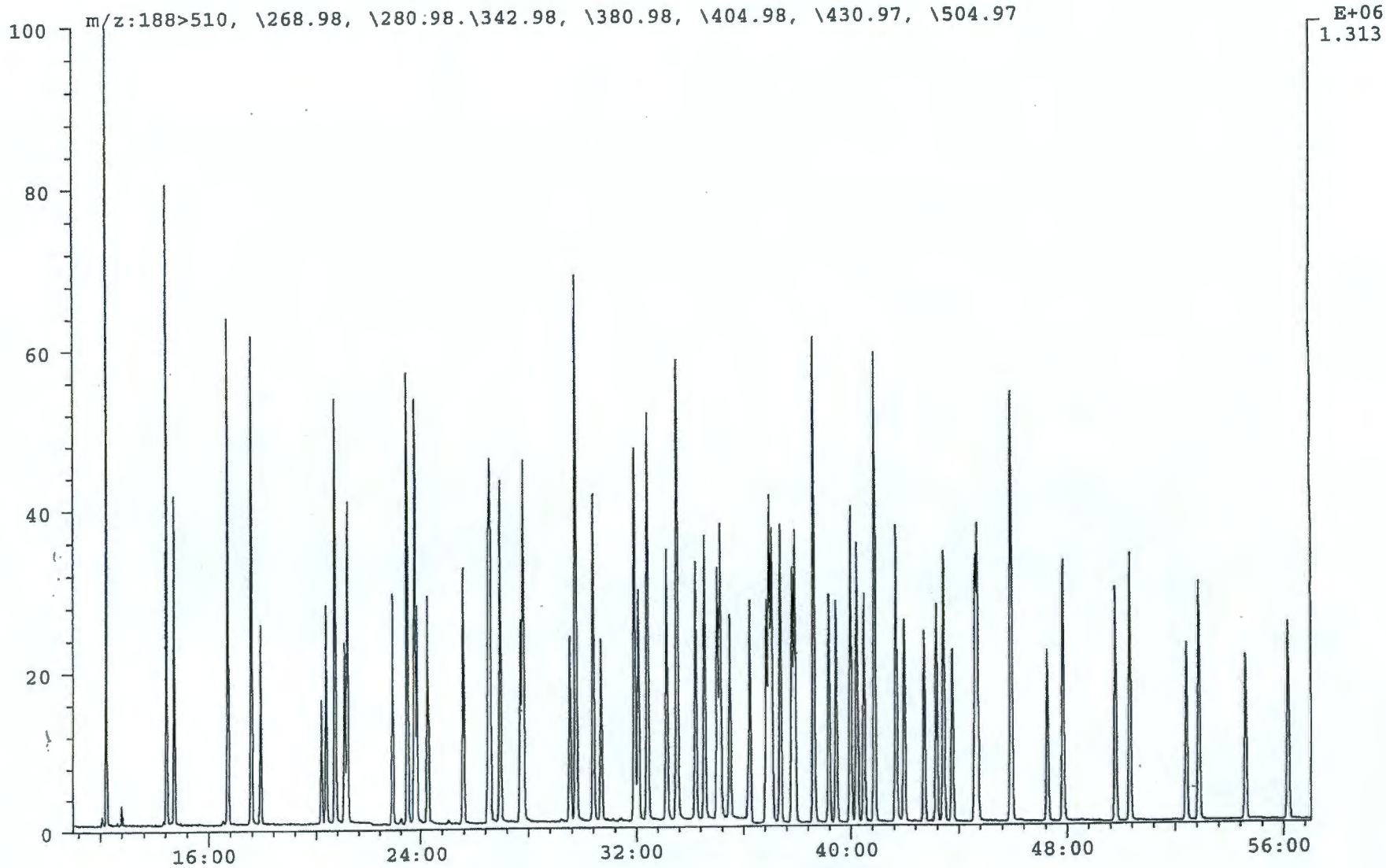
View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | PCB 193 (BZ) | 45:54 | 00:00 | 0 | 1030687 | 987215 | 216045 | 197617 | 1.04 | ABV/ABV | D |
| 406 | | | | | 405.8428 | 407.8398 | 405.8428 | 407.8398 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 178 | 138 | 71 | 55 | 1.29 * | / | |
| | 13C12-PCB 188 | 37:46 | 00:00 | 0 | 1005382 | 943041 | 204337 | 194991 | 1.07 | ABV/ABV | D |
| | 13C12-PCB 178 | 40:51 | 00:00 | 0 | 640633 | 604759 | 137668 | 128871 | 1.06 | ABV/ABV | |
| | 13C12-PCB 180 | 45:56 | 00:00 | 0 | 854803 | 787004 | 172337 | 163130 | 1.09 | ABV/ABV | |
| | 13C12-PCB 170 | 47:15 | 00:00 | 0 | 681350 | 644165 | 135237 | 128998 | 1.06 | AVV/ABV | |
| | 13C12-PCB 189 | 50:19 | 00:00 | 0 | 1100264 | 1068513 | 224964 | 214923 | 1.03 | AVV/ABV | D |
| 428 | | | | | 427.7635 | 429.7606 | 427.7635 | 429.7606 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 440 | | | | | 439.8038 | 441.8008 | 439.8038 | 441.8008 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 110 | 113 | 44 | 45 | 0.98 | / | |
| | 13C12-PCB 202 | 43:08 | 00:00 | 0 | 784746 | 841102 | 161857 | 170081 | 0.93 | ABV/ABV | D |
| | 13C12-PCB 194 | 52:23 | 00:00 | 0 | 661166 | 723392 | 133521 | 143240 | 0.91 | ABV/ABB | |
| | 13C12-PCB 205 | 52:51 | 00:00 | 0 | 913486 | 1004855 | 178938 | 199998 | 0.91 | AVV/AVV | |
| 462 | | | | | 461.7246 | 463.7216 | 461.7246 | 463.7216 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 474 | | | | | 473.7648 | 475.7619 | 473.7648 | 475.7619 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 138 | 153 | 55 | 61 | 0.90 * | / | |
| | 13C12-PCB 208 | 49:46 | 00:00 | 0 | 767487 | 970106 | 152651 | 193405 | 0.79 | AVV/AVV | |
| | 13C12-PCB 206 | 54:33 | 00:00 | 0 | 515827 | 660370 | 102957 | 132151 | 0.78 | AVV/ABV | |
| 496 | | | | | 495.6856 | 497.6826 | 495.6856 | 497.6826 | 0.59-0.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 508 | | | | | 507.7258 | 509.7229 | 507.7258 | 509.7229 | 0.59-0.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 150 | 95 | 60 | 38 | 1.58 * | / | |
| | 13C12-PCB 209 | 56:08 | 00:00 | 0 | 605795 | 859348 | 108934 | 163769 | 0.70 | ABV/ABV | |

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

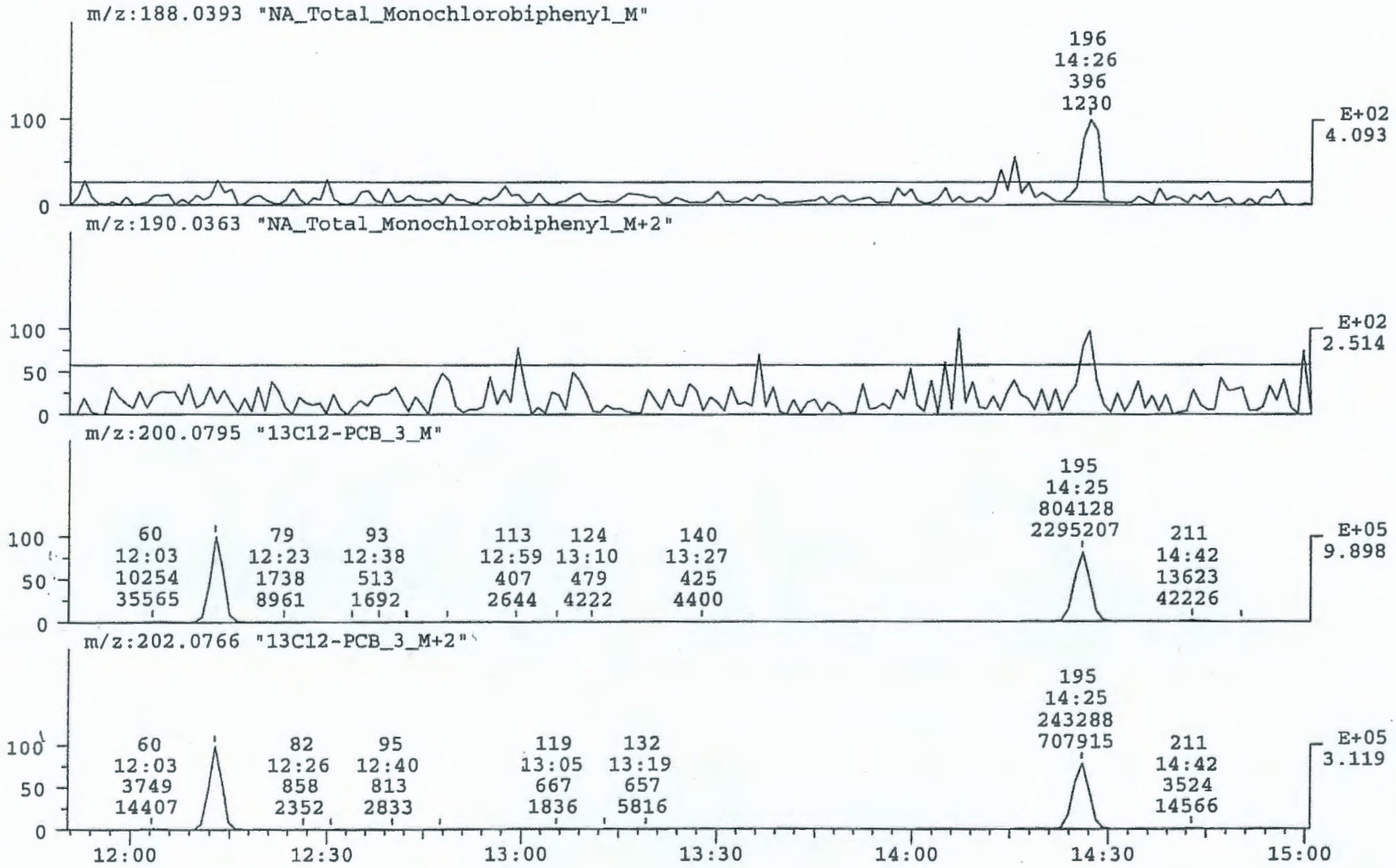
Inst 3-19-07
Calc DCG 3-19-07
QC BFW 3/19/07

CHRO: a07030732 08-Mar-07 Elapse: 56:12 2555
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 2 > 2601 Masses: 181 > 510
Area: 5, 0.50, 0 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area

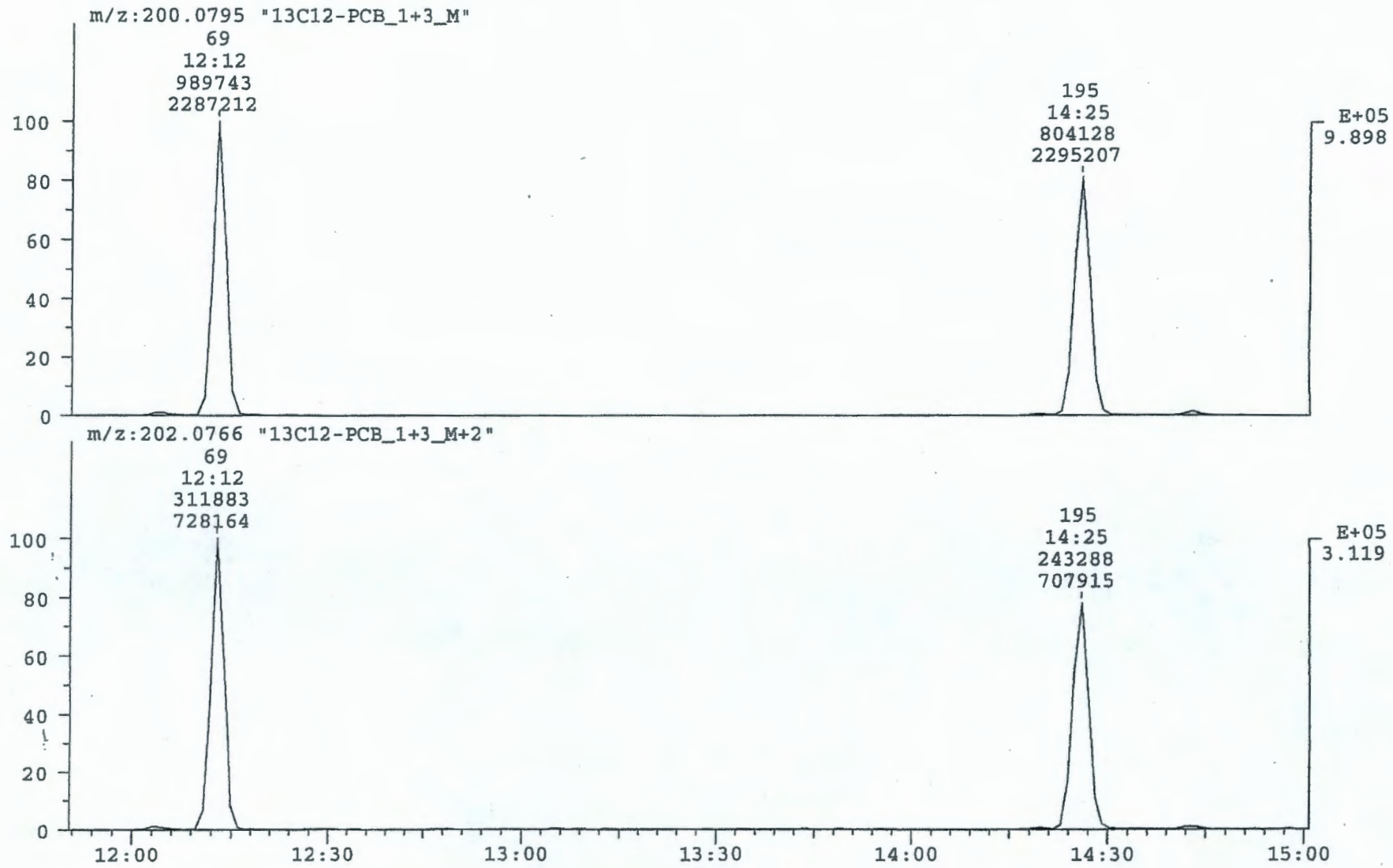



1688

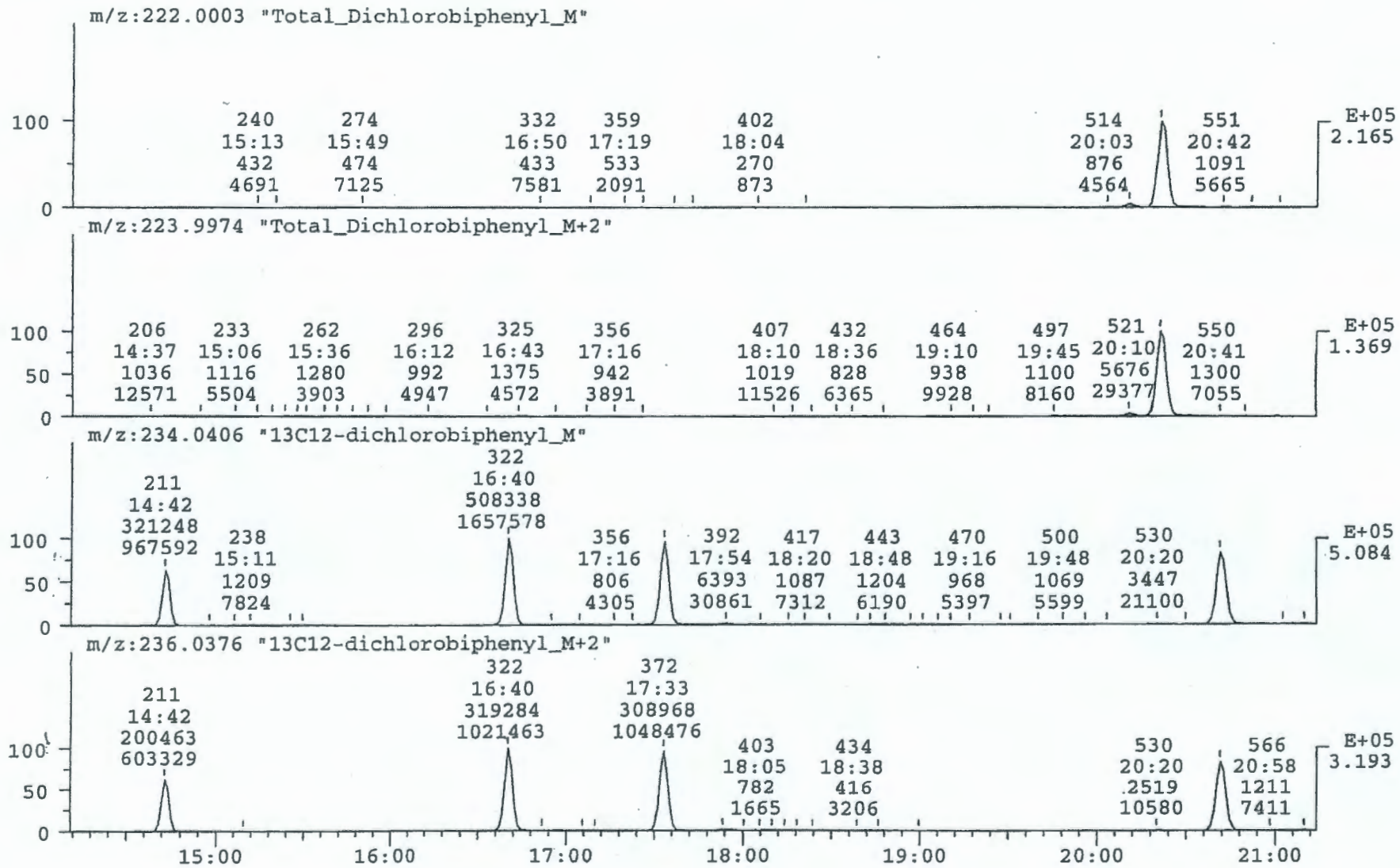
CHRO: a07030732 08-Mar-07 Elapse: 13:25.6 138
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 48 > 228 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



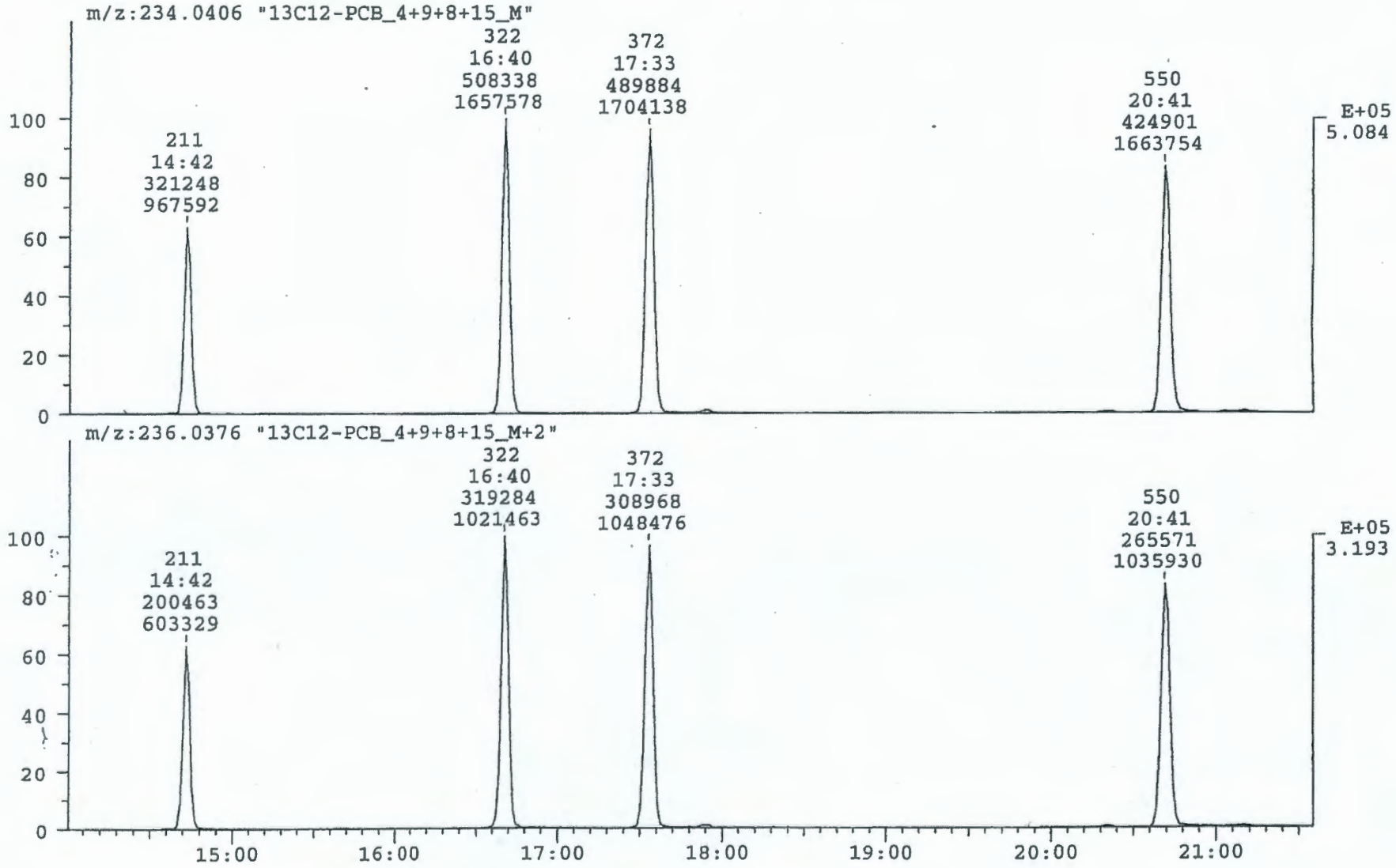
```
CHRO:  a07030732                                08-Mar-07  Elapse:  13:25.6      138
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  00:15:30    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   5
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
```



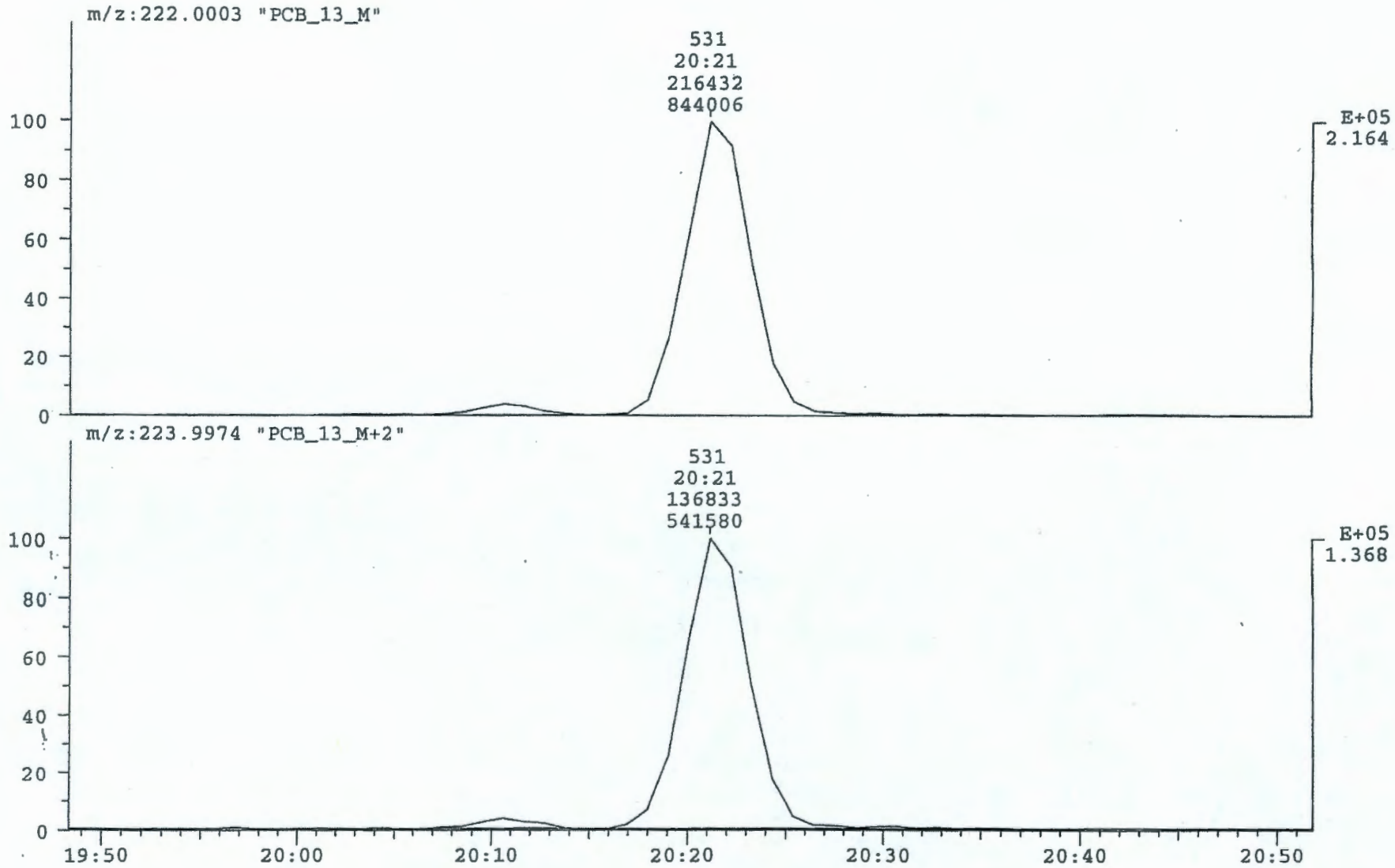
CHRO: a07030732 08-Mar-07 Elapse: 17:42.5 381
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 181 > 581 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



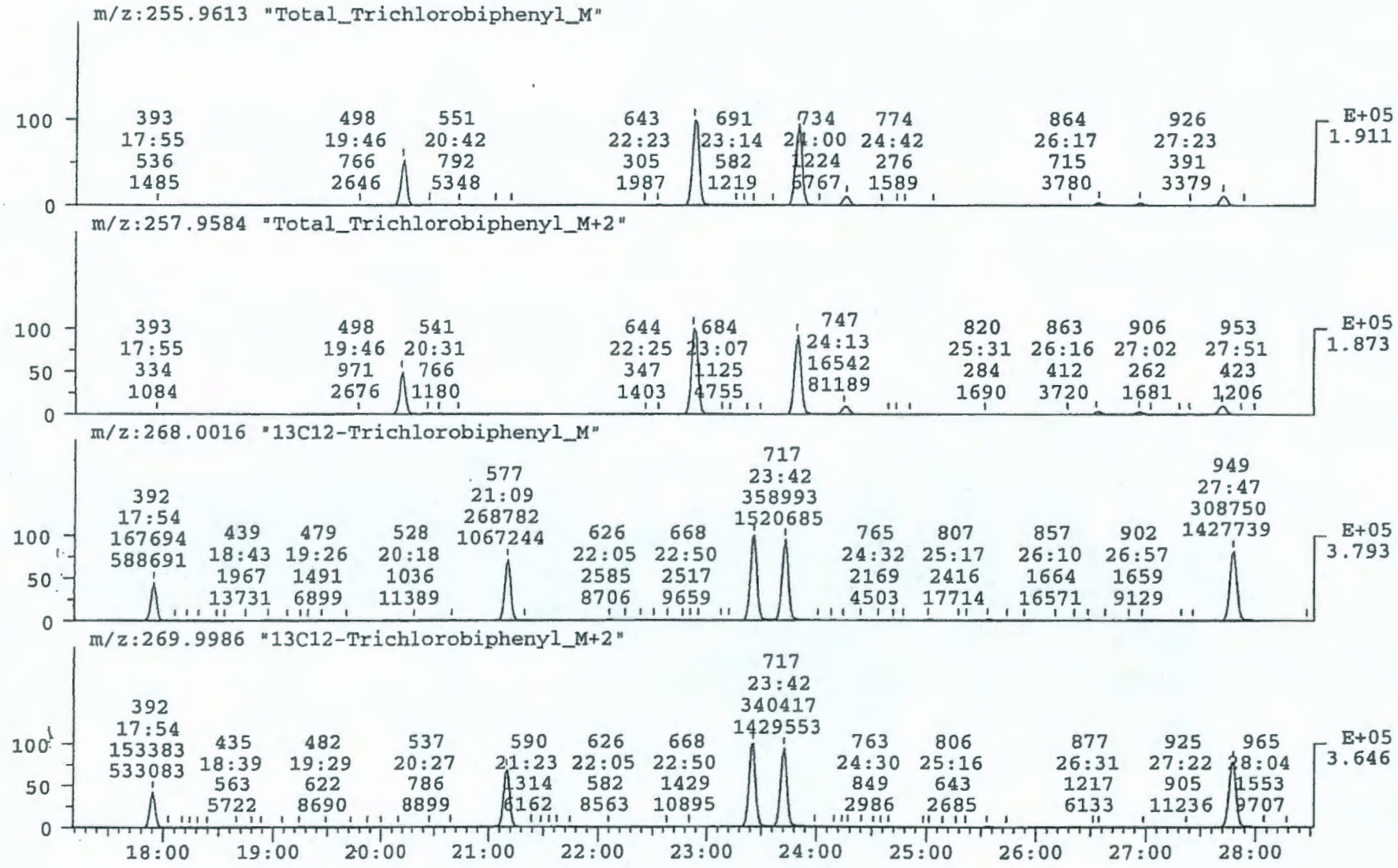
```
CHRO:  a07030732                                08-Mar-07   Elapse:  17:42.5      381
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
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
```



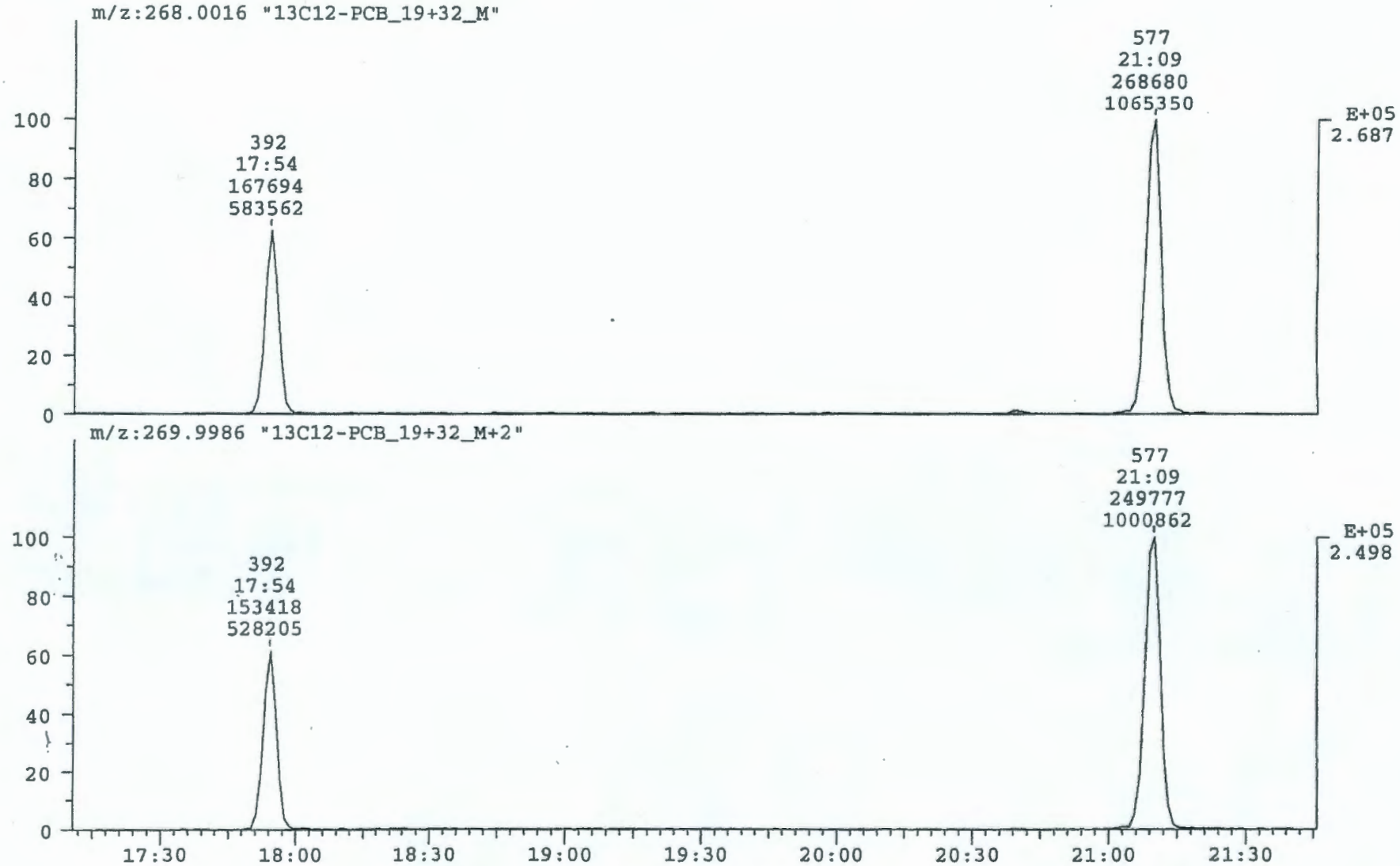
```
CHRO:  a07030732                                08-Mar-07  Elapse:  20:20.1      530
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  00:15:30    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   500 > 560           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



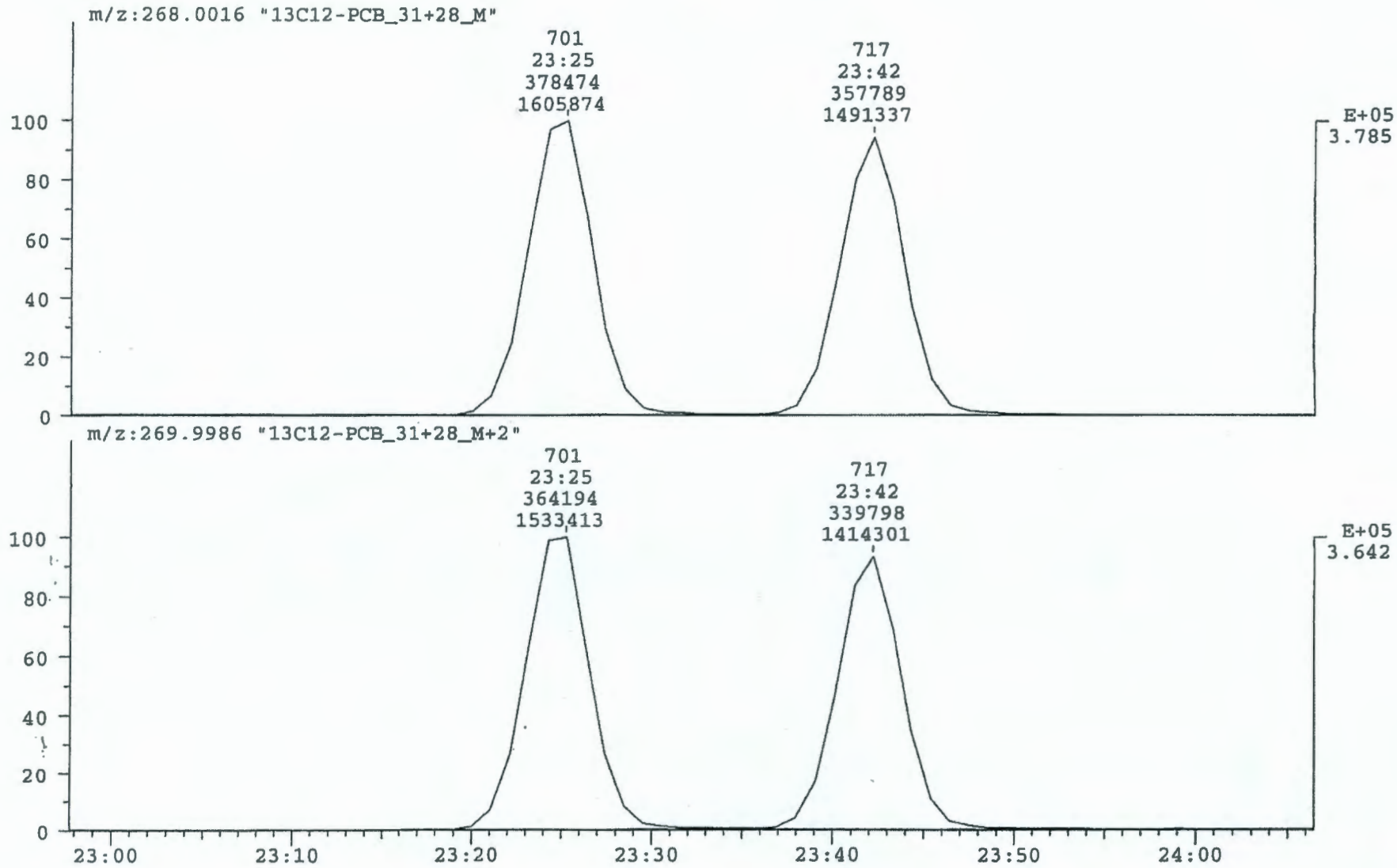
CHRO: a07030732 08-Mar-07 Elapse: 22:53.5 671
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 351 > 991 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



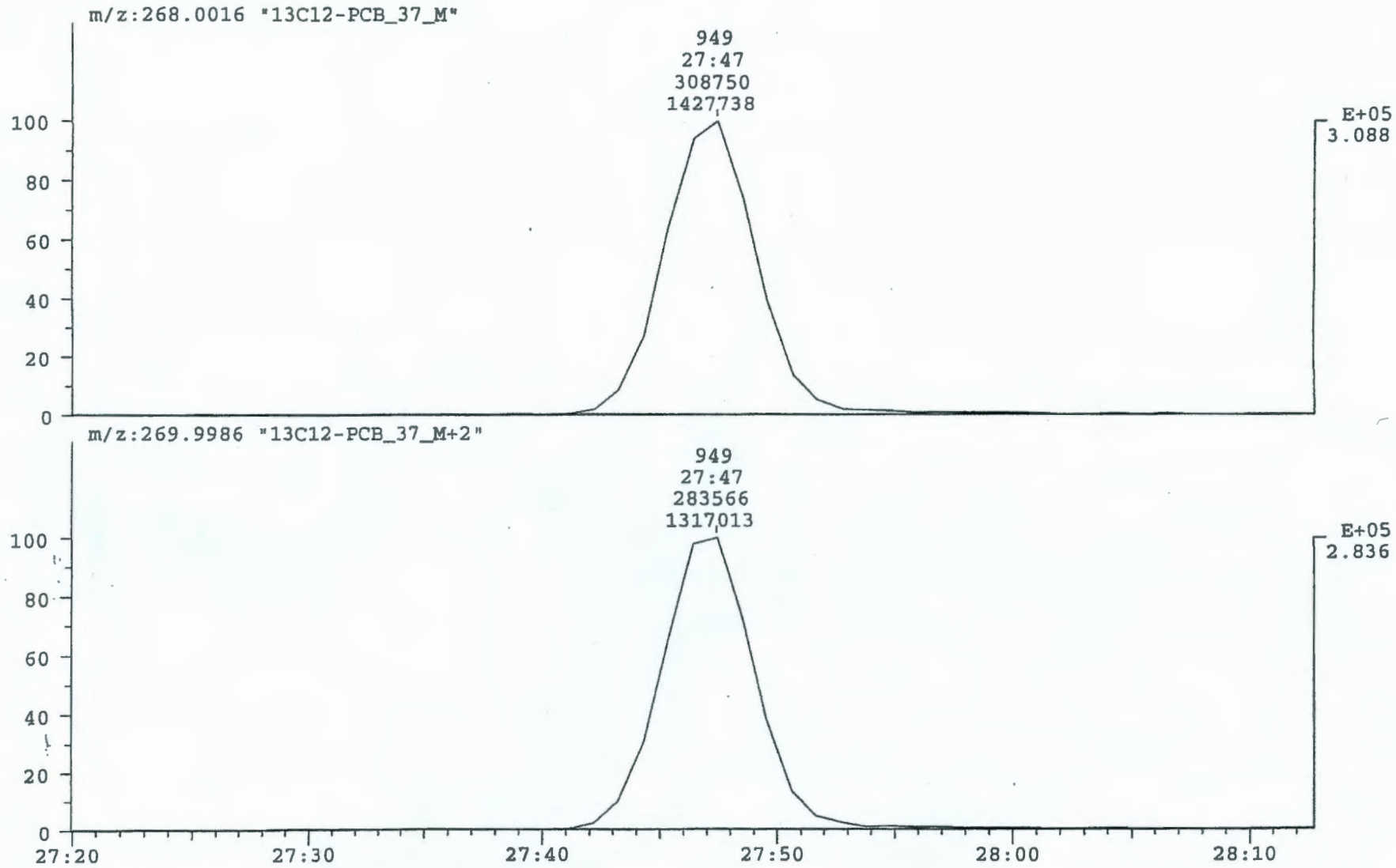
```
CHRO:  a07030732                                08-Mar-07   Elapse:  19:17.7      471
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC      Vial   5
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
```



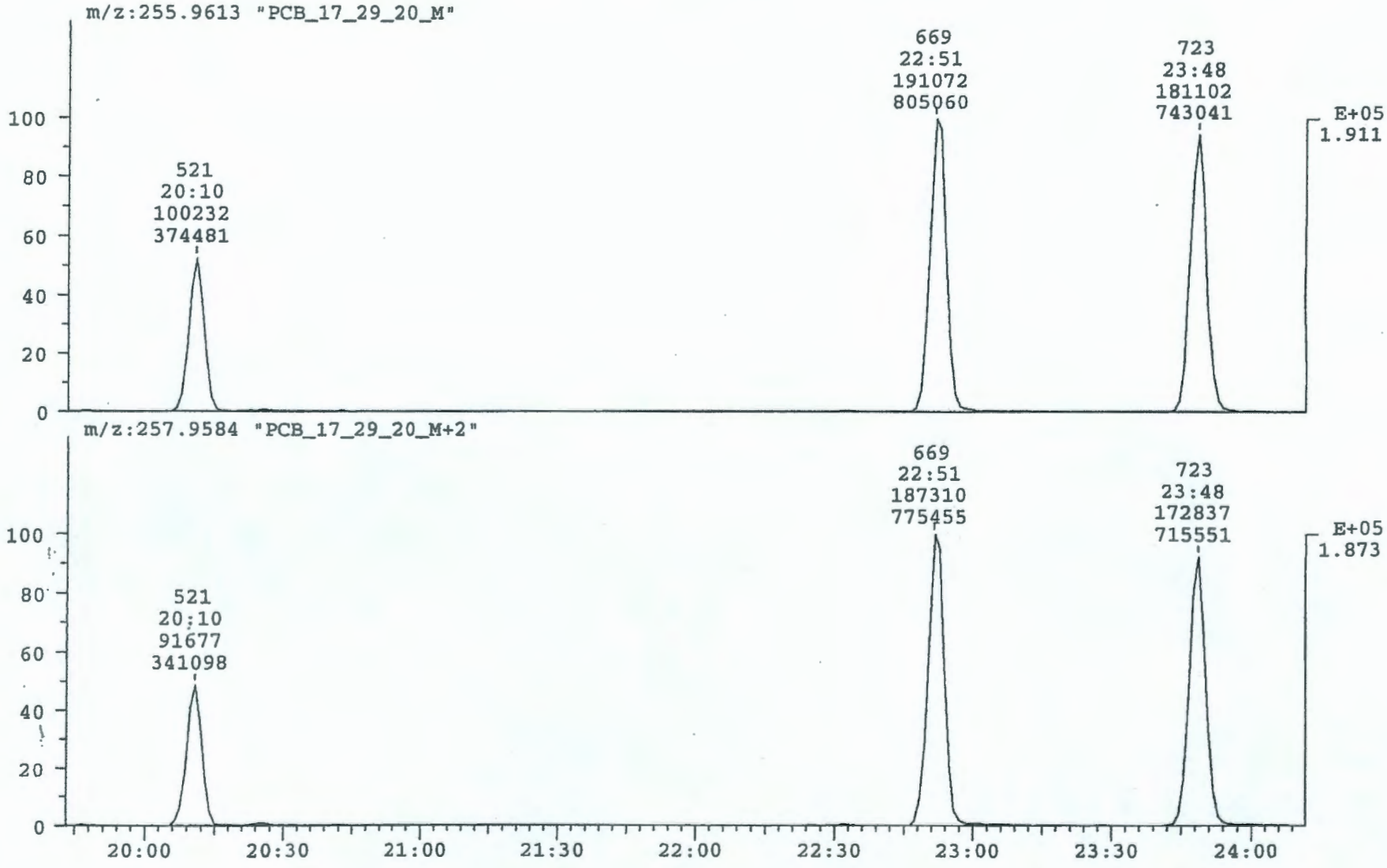
CHRO: a07030732 08-Mar-07 Elapse: 23:24.2 700
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 675 > 740 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



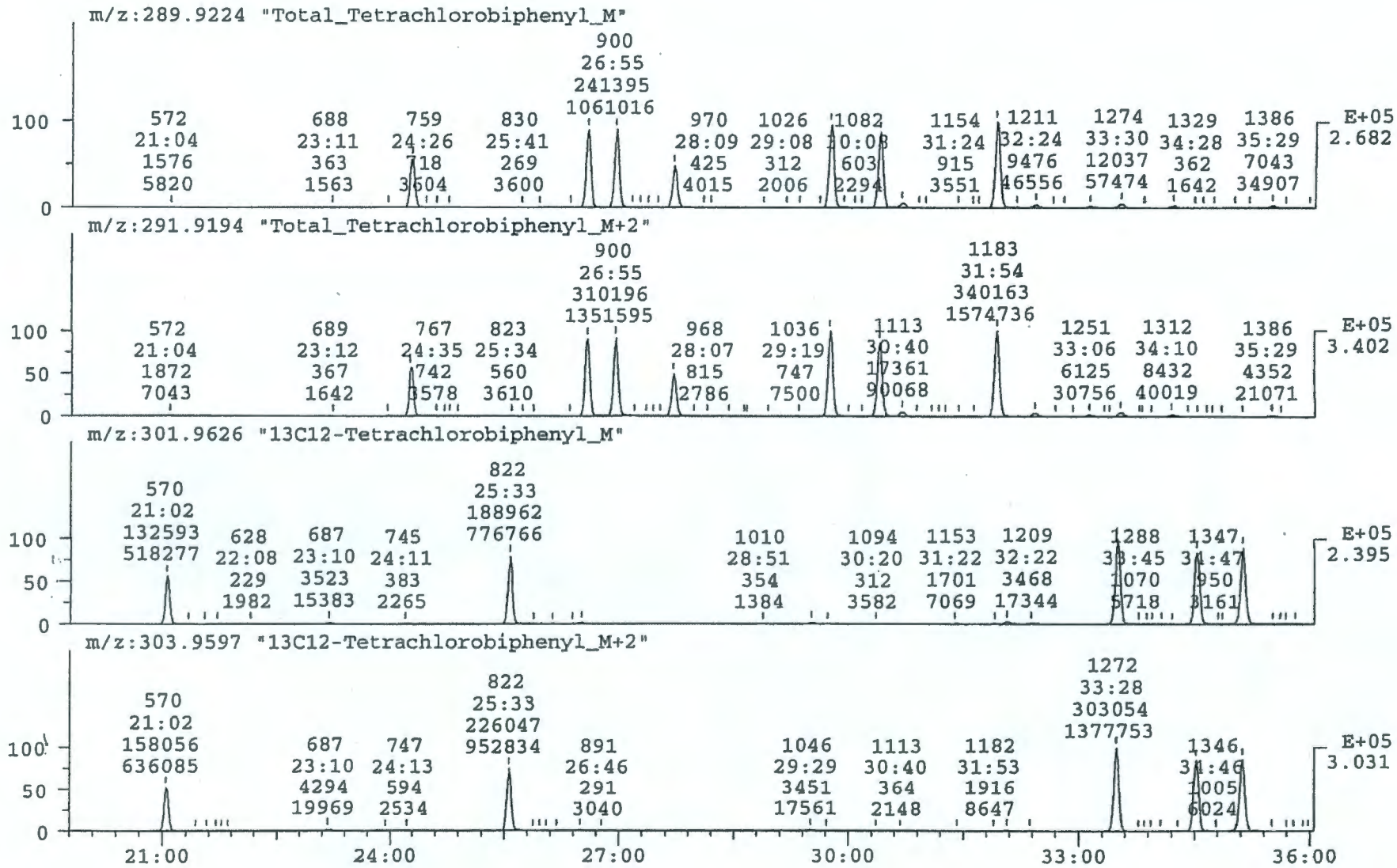
```
CHRO:  a07030732                                08-Mar-07  Elapse:  27:46.4      948
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  00:15:30    2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   5
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
```



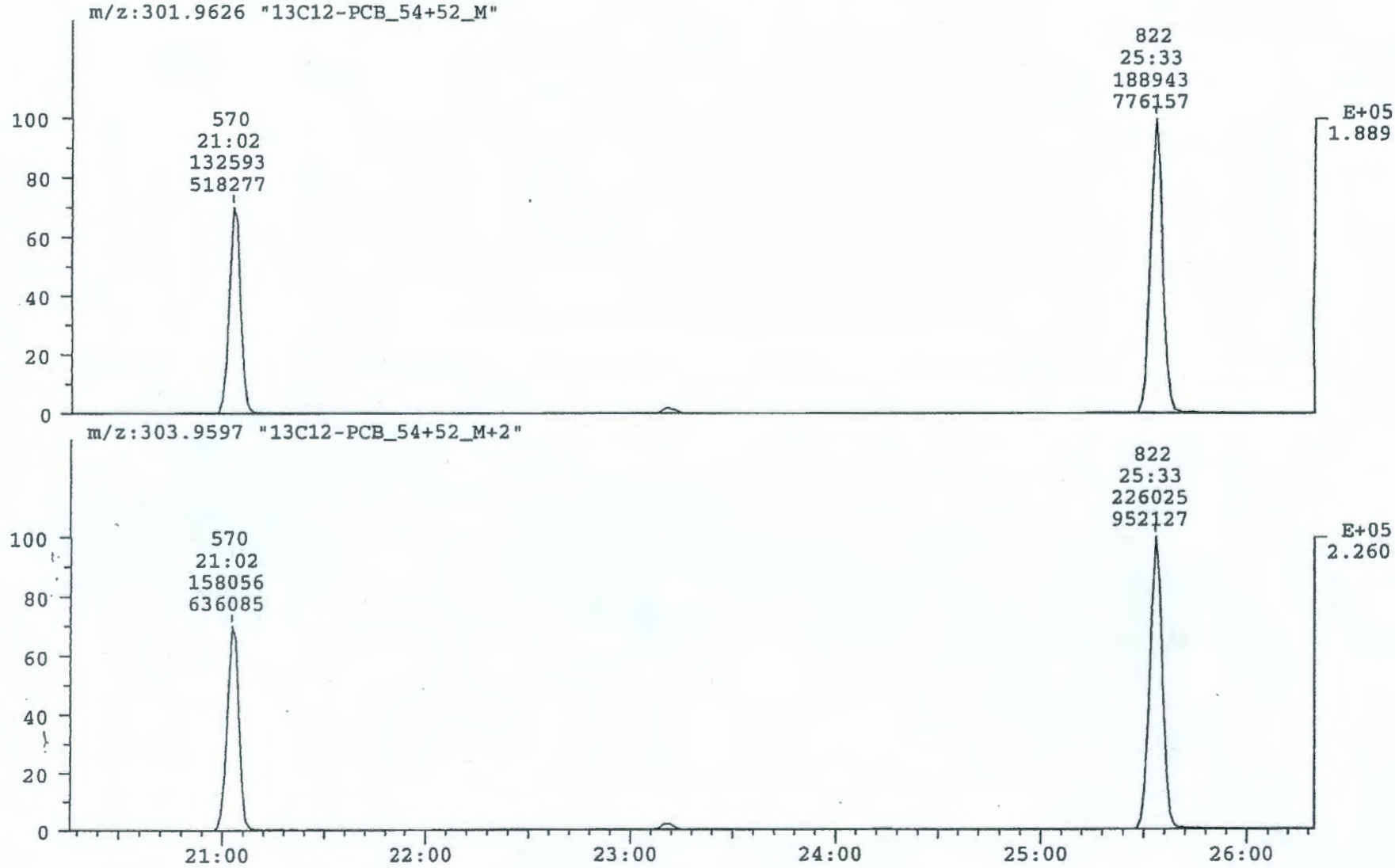
CHRO: a07030732 08-Mar-07 Elapse: 22:00.6 625
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 495 > 745 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



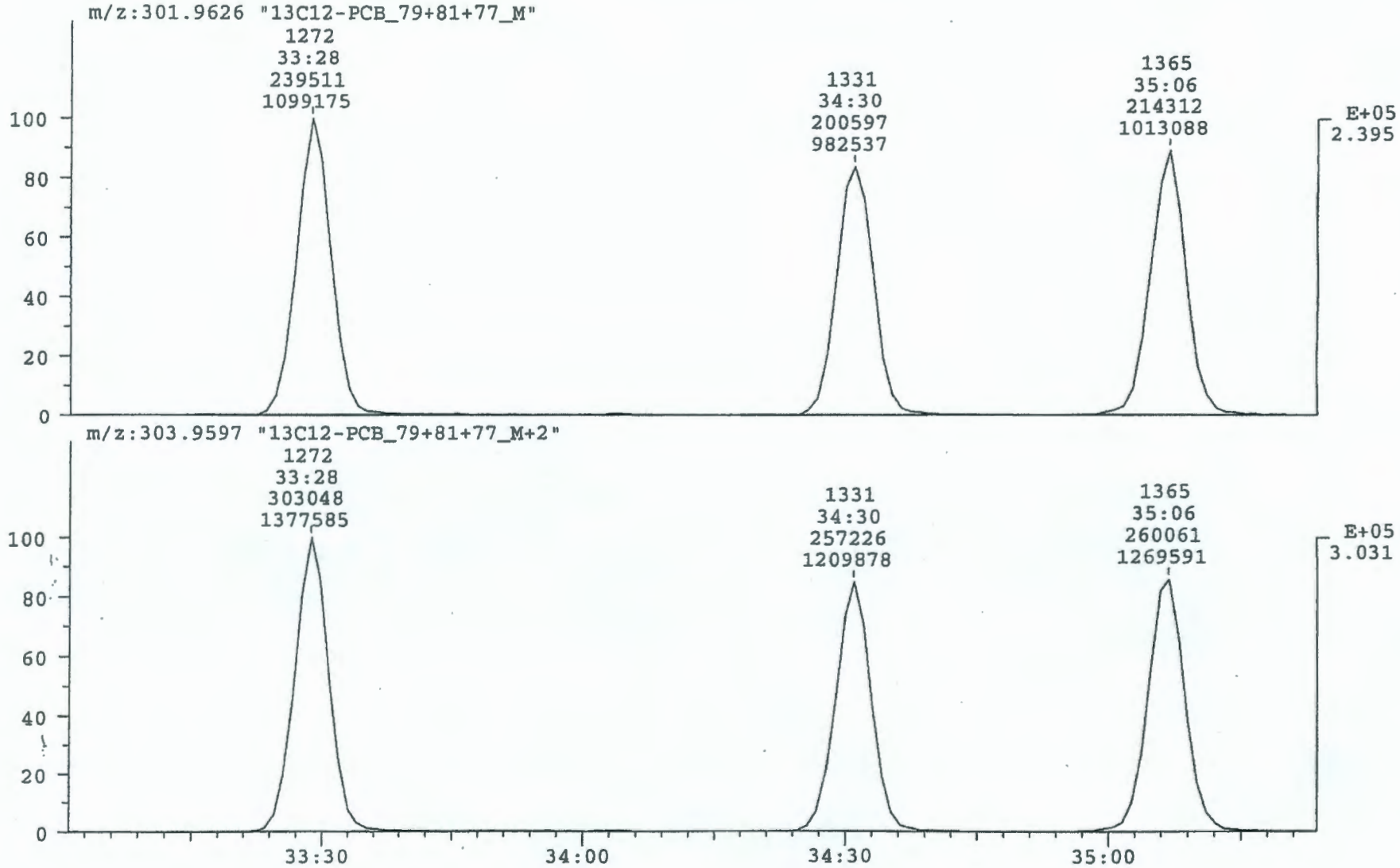
CHRO: a07030732 08-Mar-07 Elapse: 27:54.8 956
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 500 > 1418 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



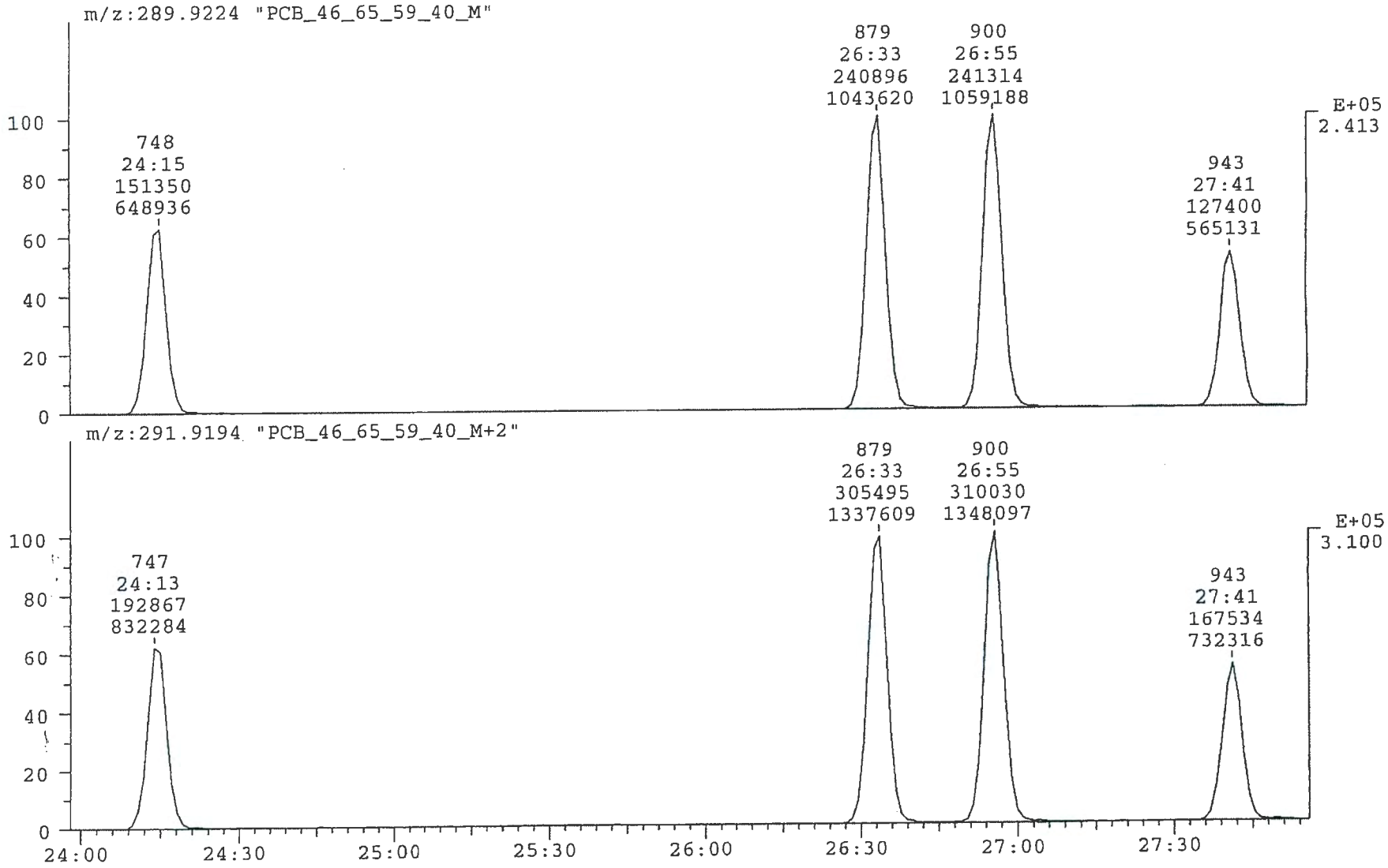
CHRO: a07030732 08-Mar-07 Elapse: 23:20.9 696
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 526 > 866 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



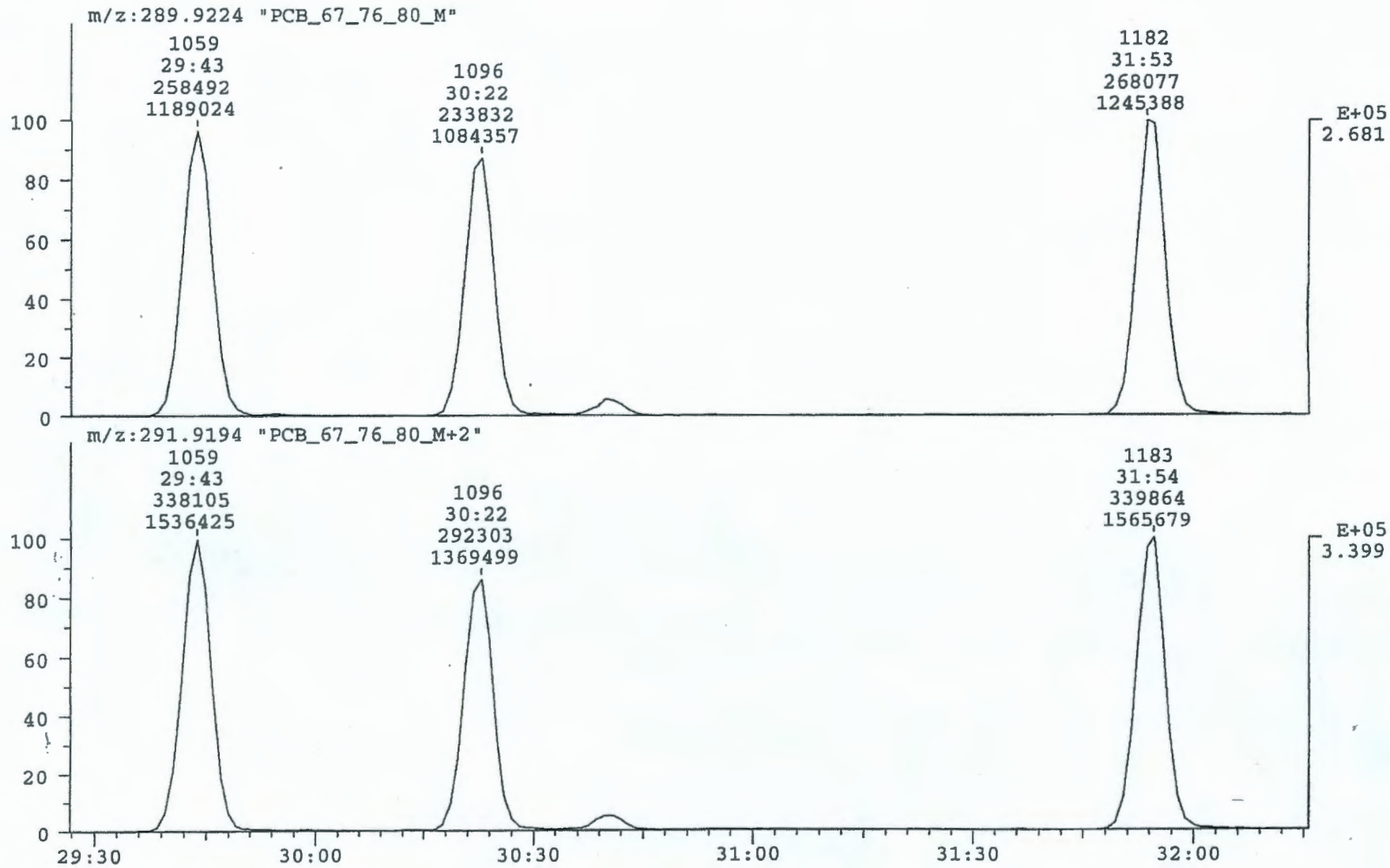
```
CHRO:  a07030732                                08-Mar-07   Elapse:  34:15      1316
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   5
Peak:  100.00  ppm     Label wndw:   1246 > 1381            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



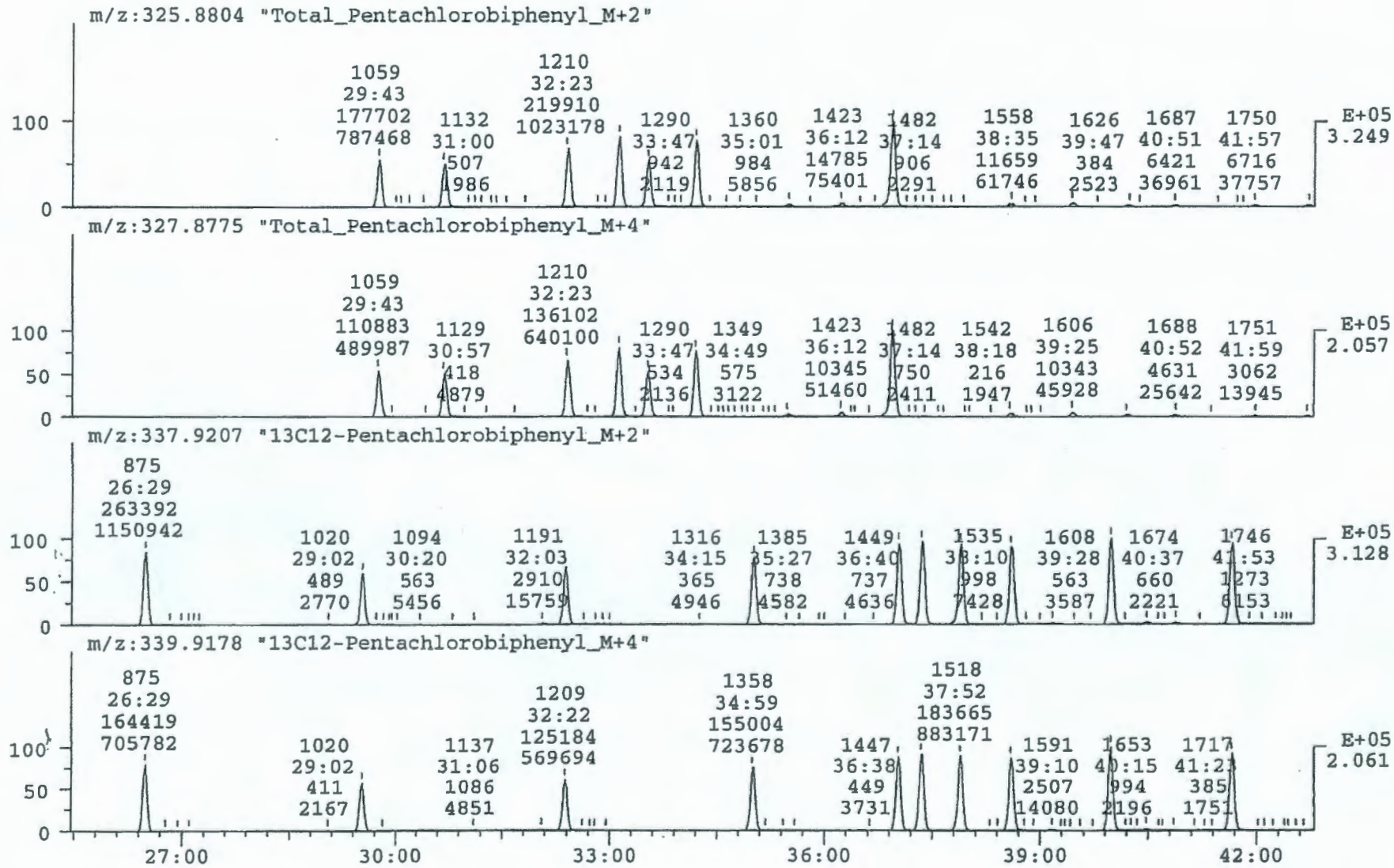
```
CHRO:  a07030732                                08-Mar-07   Elapse:  25:59.6      847
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30    2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   732 > 957             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



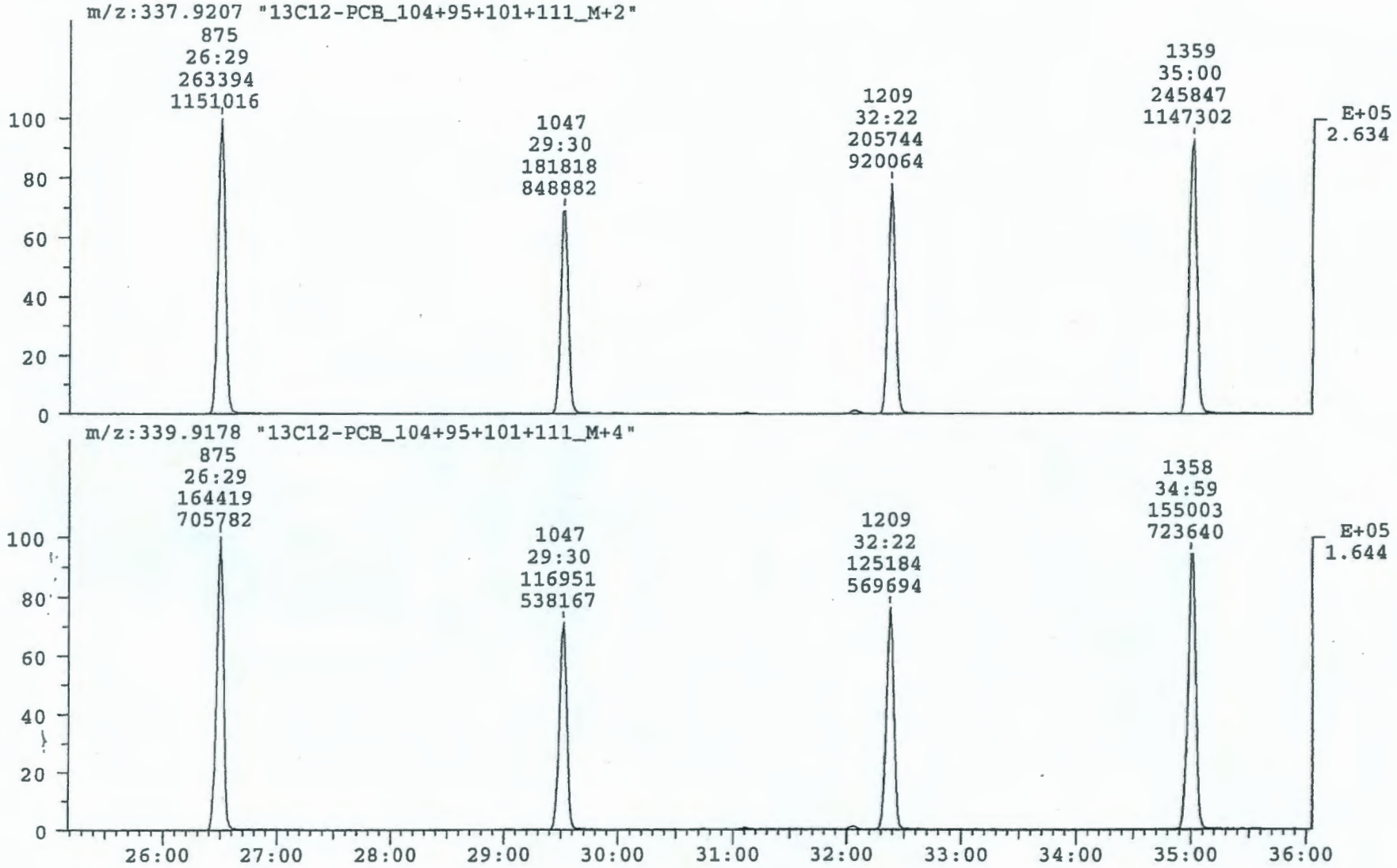
```
CHRO:  a07030732                                08-Mar-07   Elapse:  30:51      1123
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  5
Peak:  100.00  ppm      Label wndw:   1043 > 1203           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



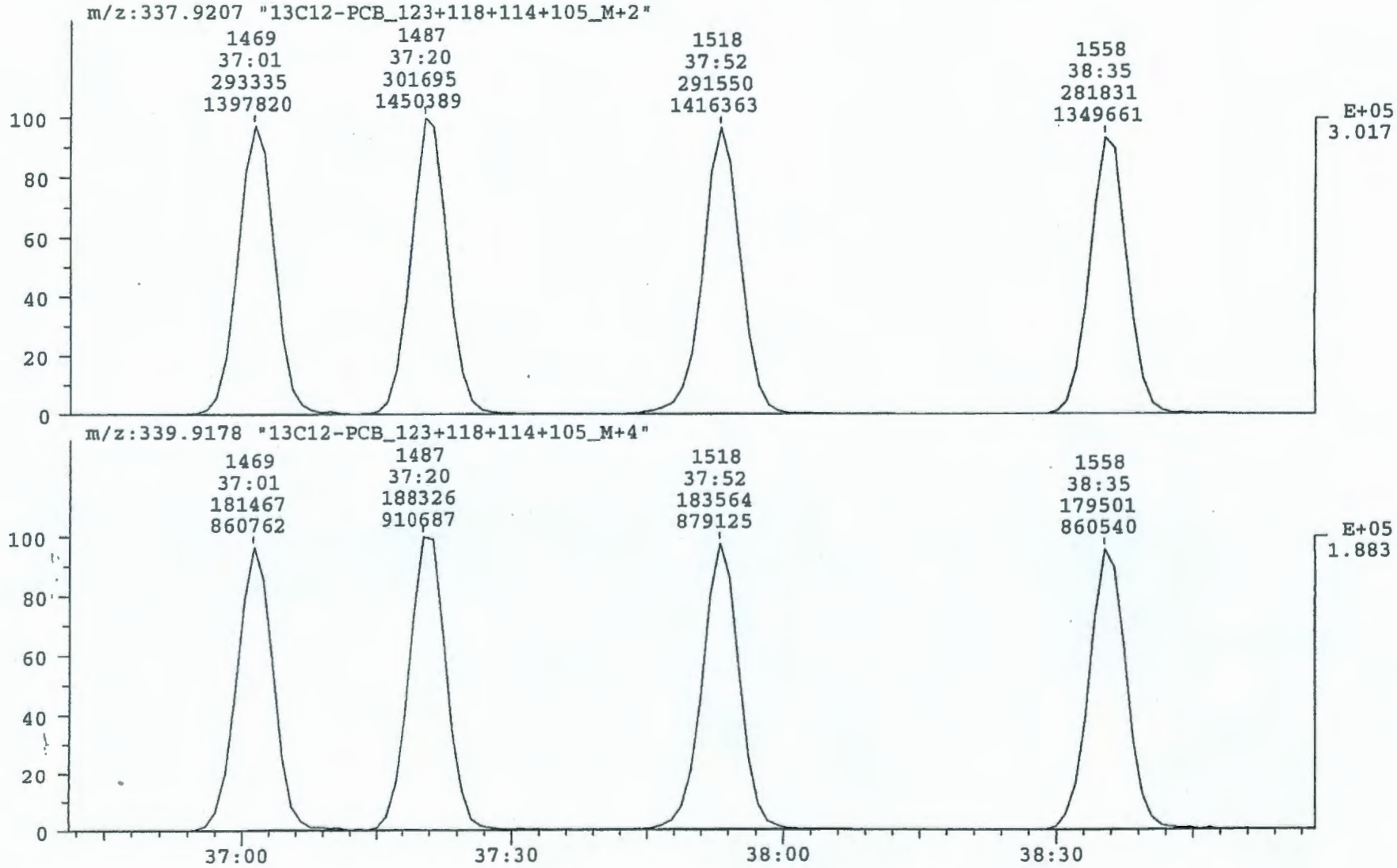
CHRO: a07030732 08-Mar-07 Elapse: 34:07 1309
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 817 > 1797 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



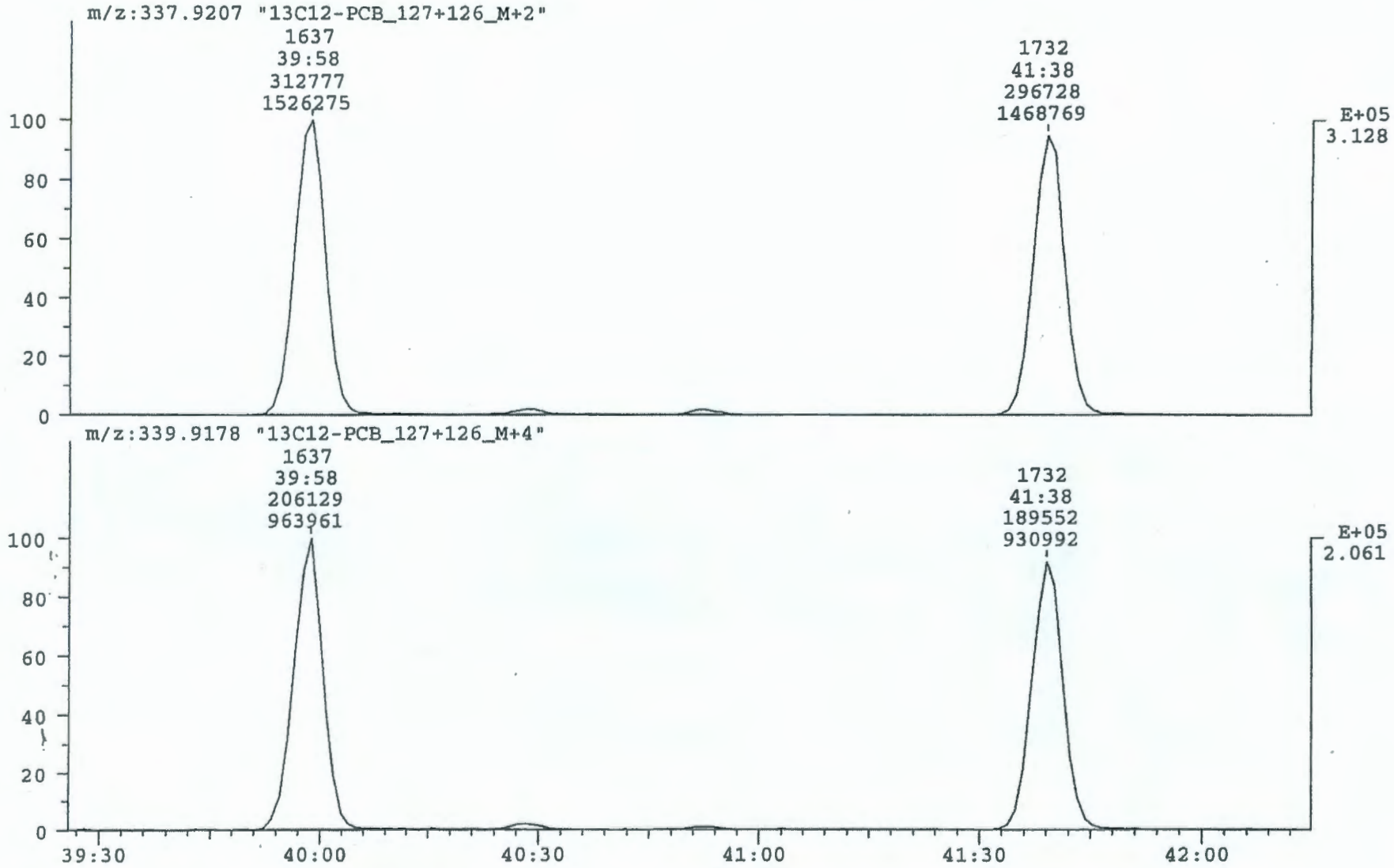
```
CHRO:  a07030732                                08-Mar-07  Elapse:  30:37      1110
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  00:15:30   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   5
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
```



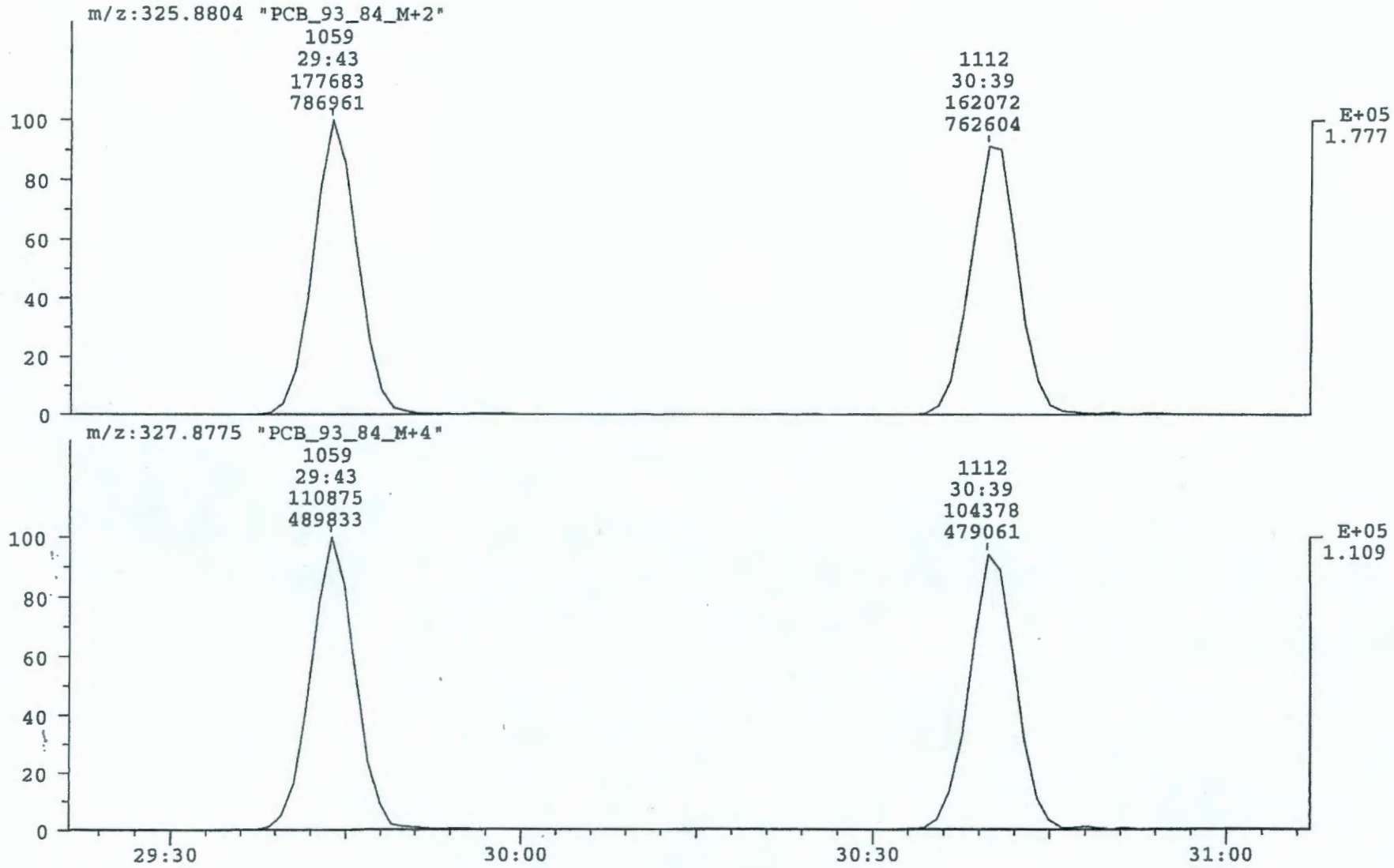
```
CHRO:  a07030732                                08-Mar-07  Elapse:  37:49      1515
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  00:15:30   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run2
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  5
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
```



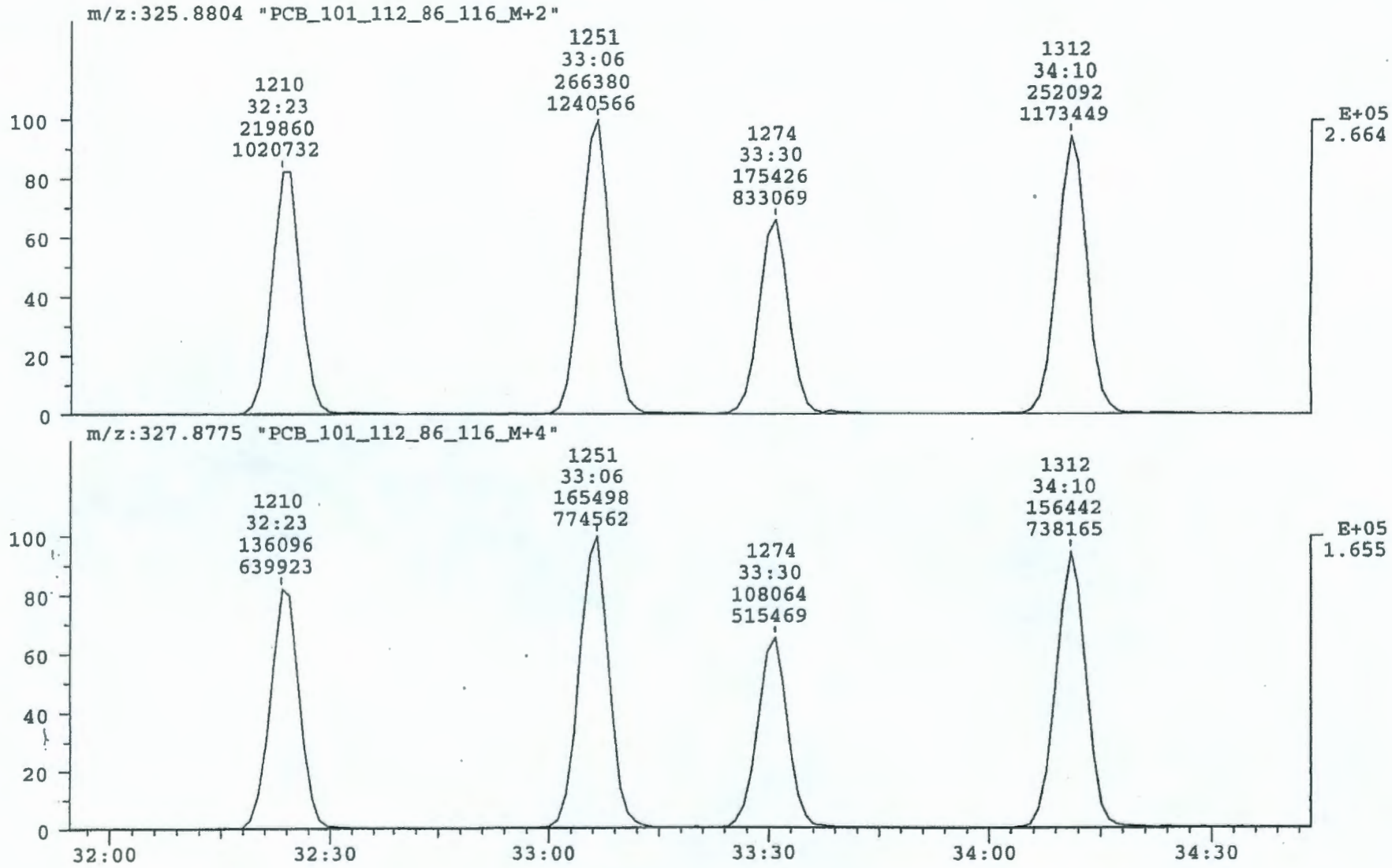
```
CHRO:  a07030732                          08-Mar-07   Elapse:  40:50      1686
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1           Start :  00:15:30   2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                      Study :  1668 RT Mix3/Run2
Oper:  DCG          Client:  STL Knoxville            Inlet :  GC     Vial  5
Peak:  100.00  ppm    Label wndw:   1606 > 1766       Masses:  181 > 510
Area:  5, 0.50, 15    Baseline  :   100, 3            Label :  -3, 3.0
Disp:  Height  Area
```



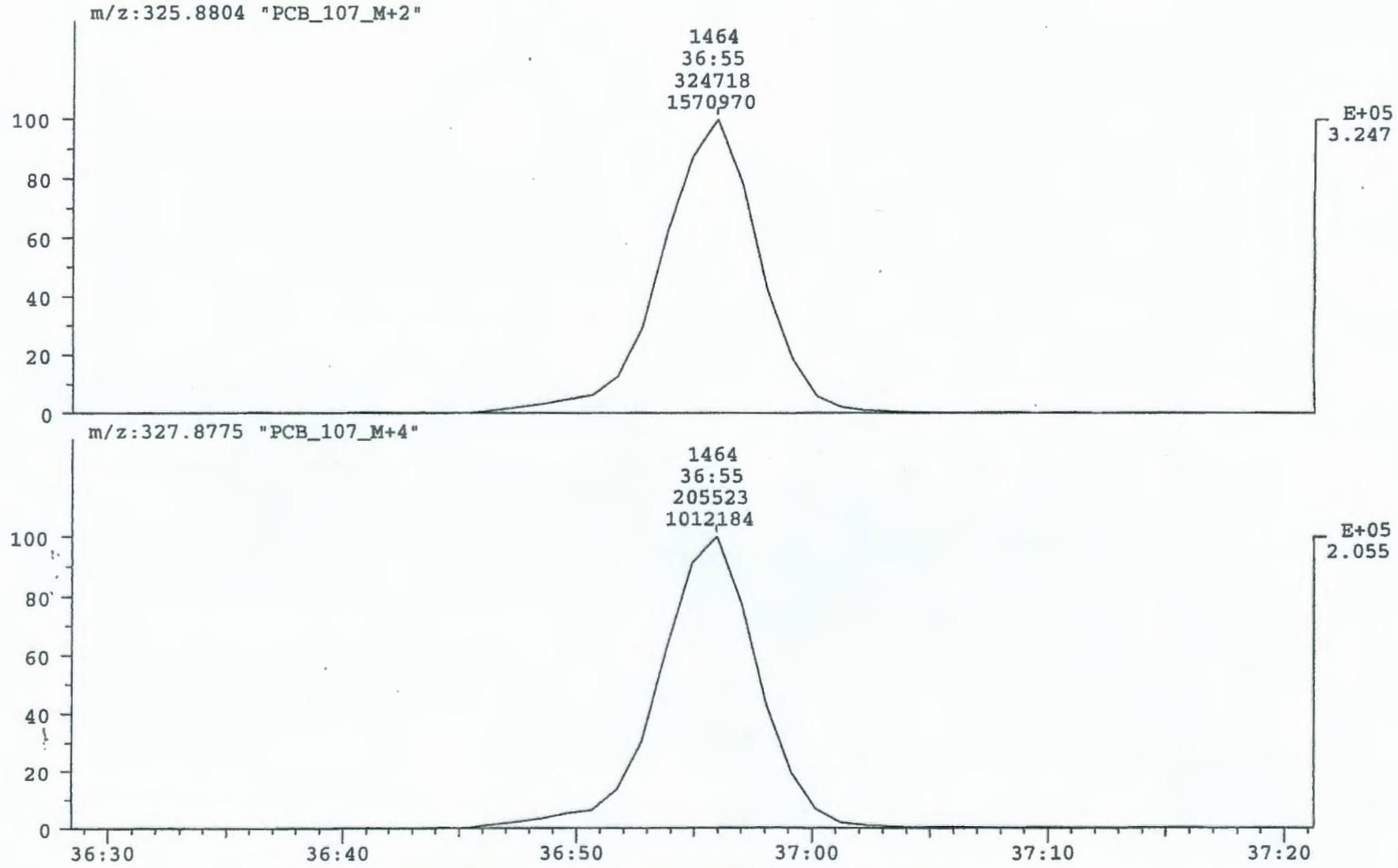
```
CHRO:  a07030732                                08-Mar-07  Elapse:  30:14      1088
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  00:15:30   2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run2
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  5
Peak:  100.00  ppm     Label wndw:   1038 > 1138          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



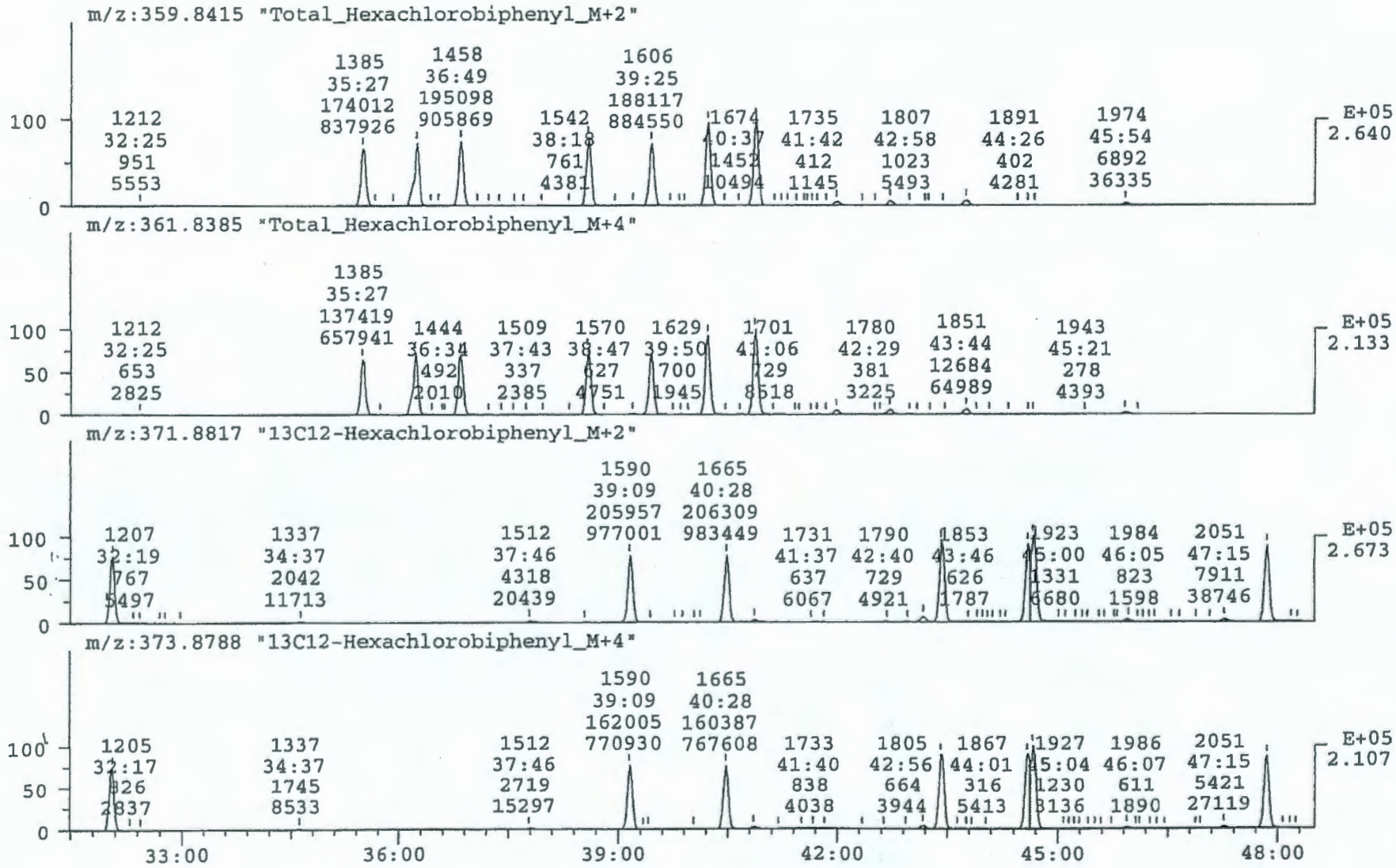
```
CHRO:  a07030732                                08-Mar-07   Elapse:  33:19      1263
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  5
Peak:  100.00  ppm     Label wndw:   1183 > 1343            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



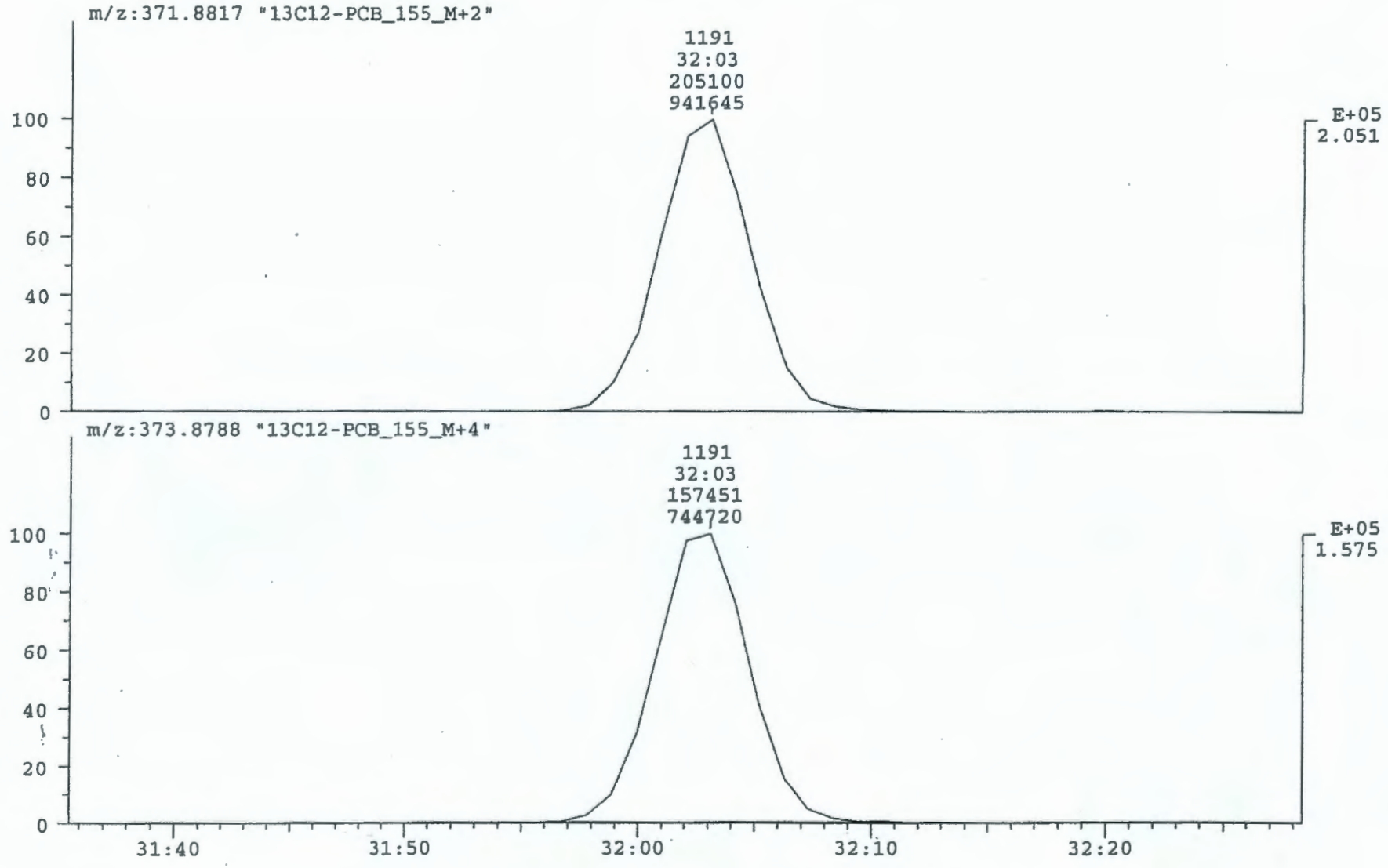
```
CHRO:  a07030732                                08-Mar-07   Elapse:  36:54      1463
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30   2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   1438 > 1488           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



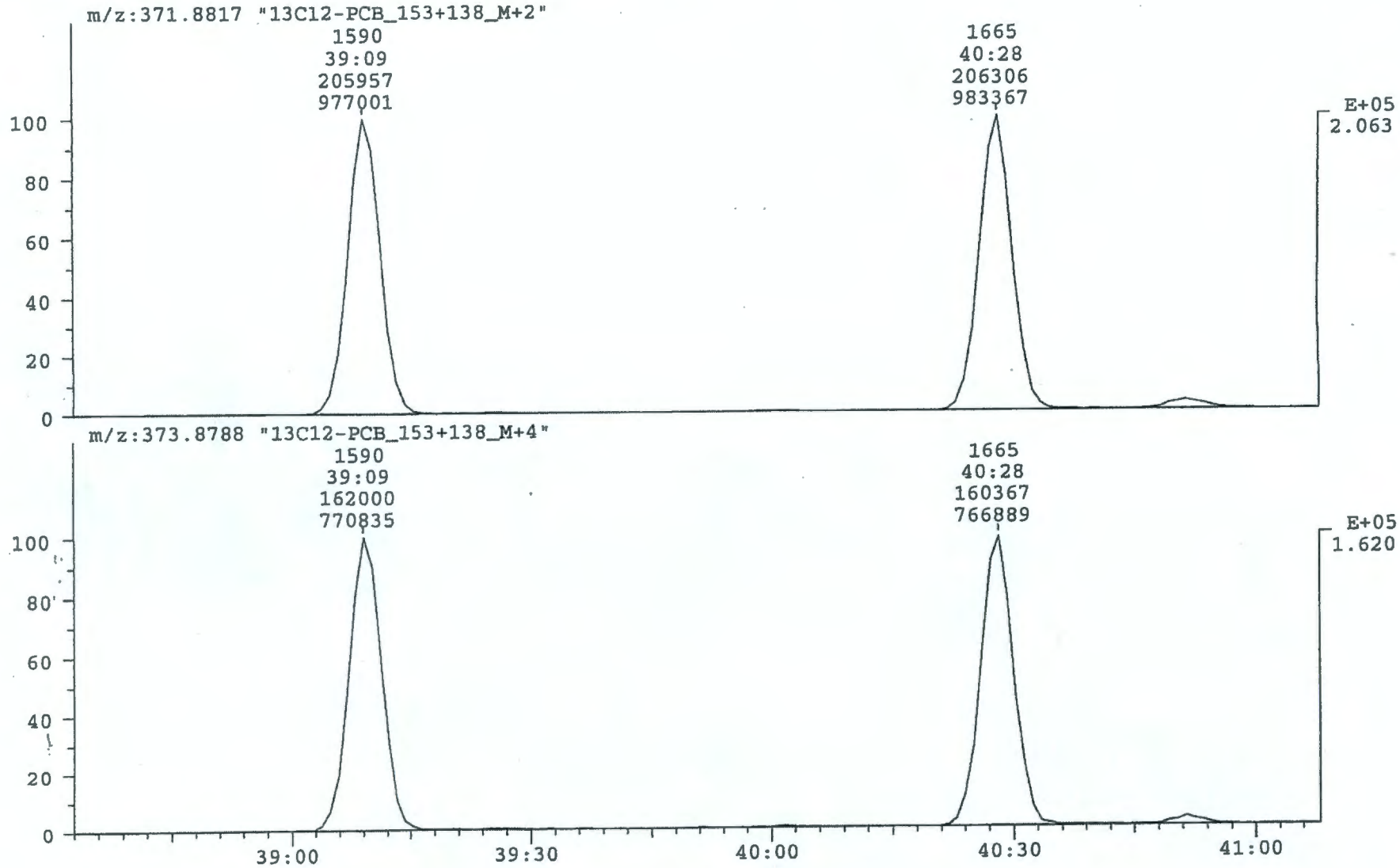
CHRO: a07030732 08-Mar-07 Elapse: 39:58 1637
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1159 > 2121 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



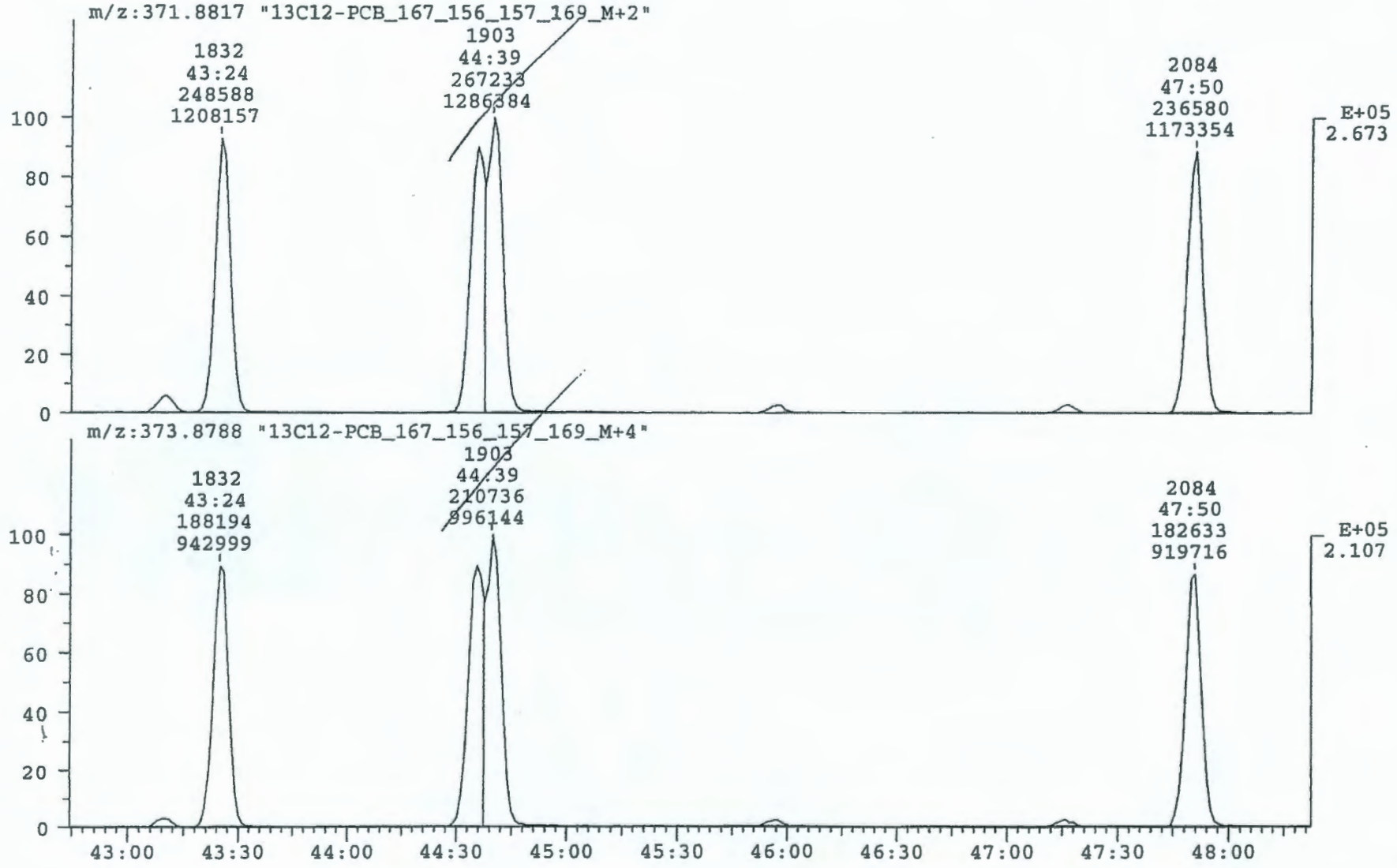
```
CHRO:  a07030732                                08-Mar-07   Elapse:  32:02      1190
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30   2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
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
```



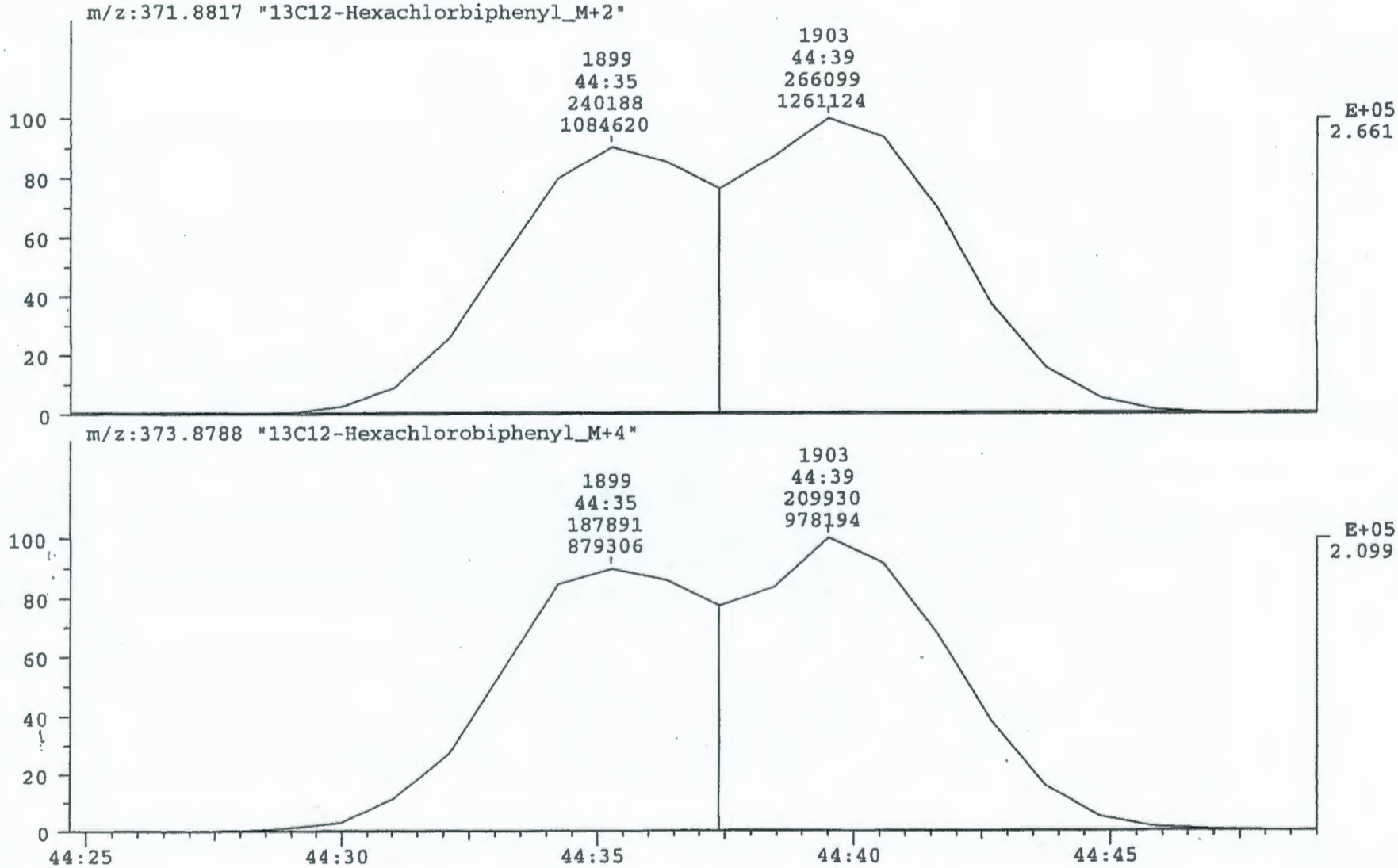
CHRO: a07030732 08-Mar-07 Elapse: 39:50 1629
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1556 > 1703 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



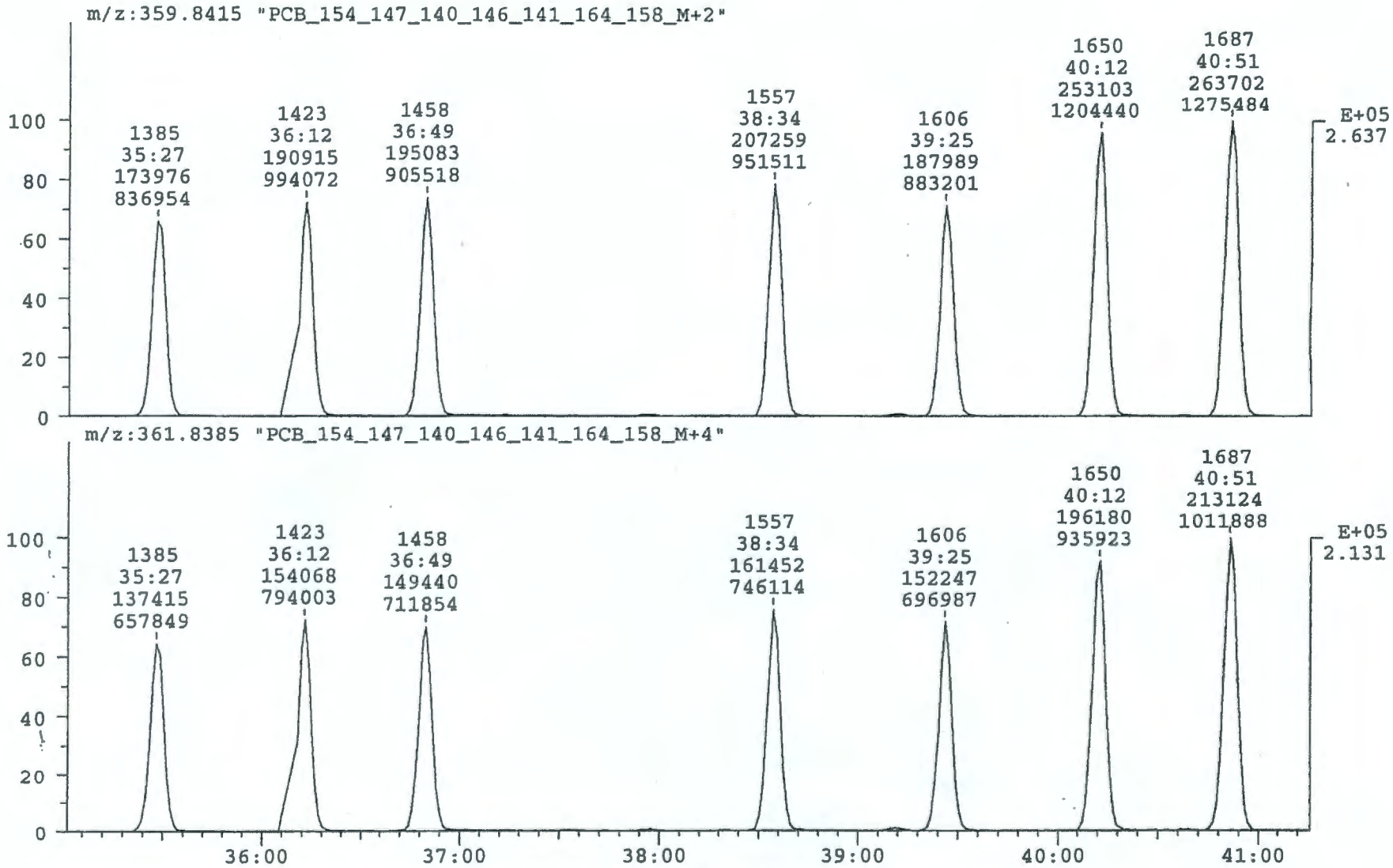
```
CHRO:  a07030732                                08-Mar-07   Elapse:  45:38      1959
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  5
Peak:  100.00  ppm     Label wndw:   1794 > 2114            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



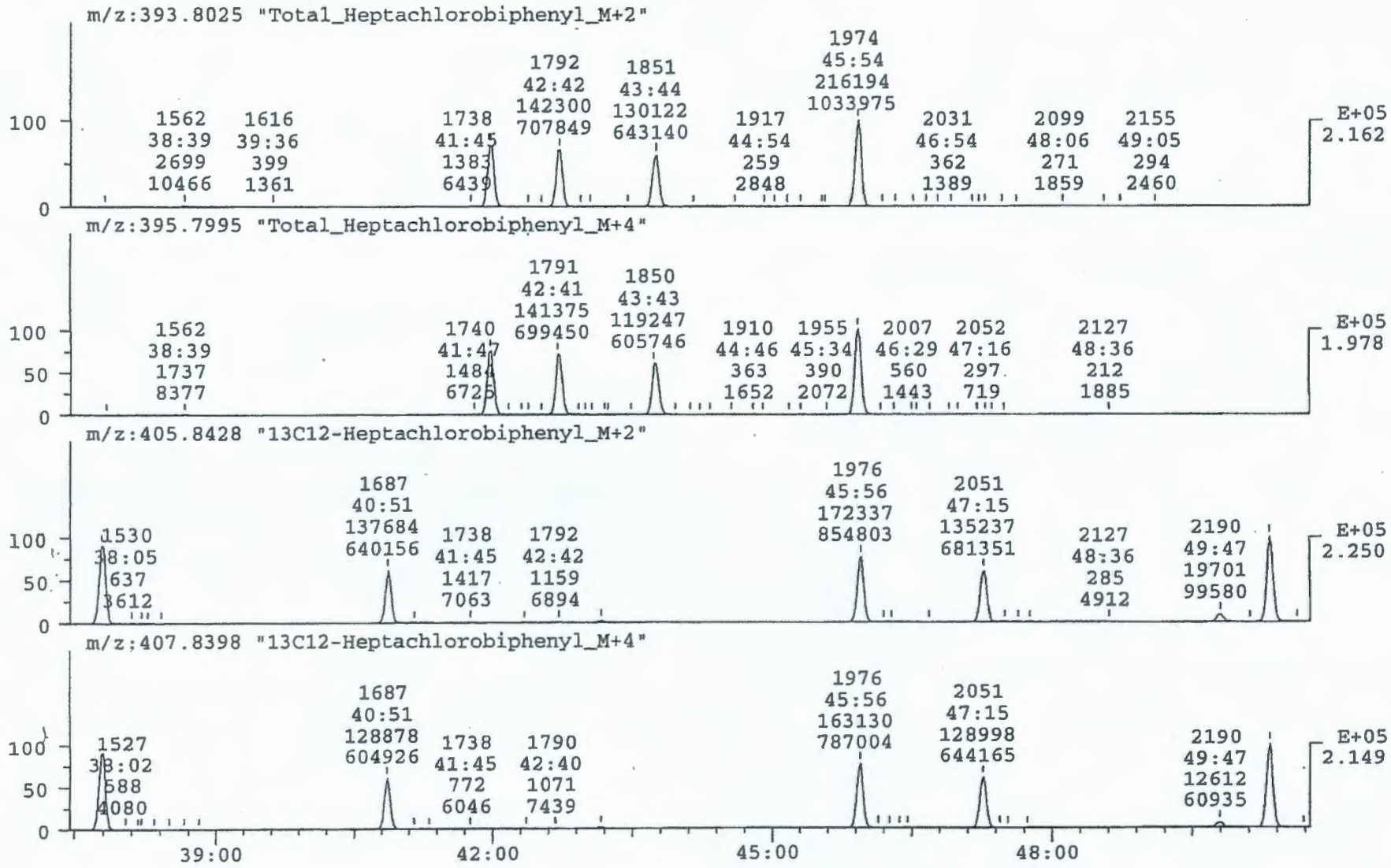
```
CHRO:  a07030732                                08-Mar-07   Elapse:  56:12      2555
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30   2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   1889 > 1912           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



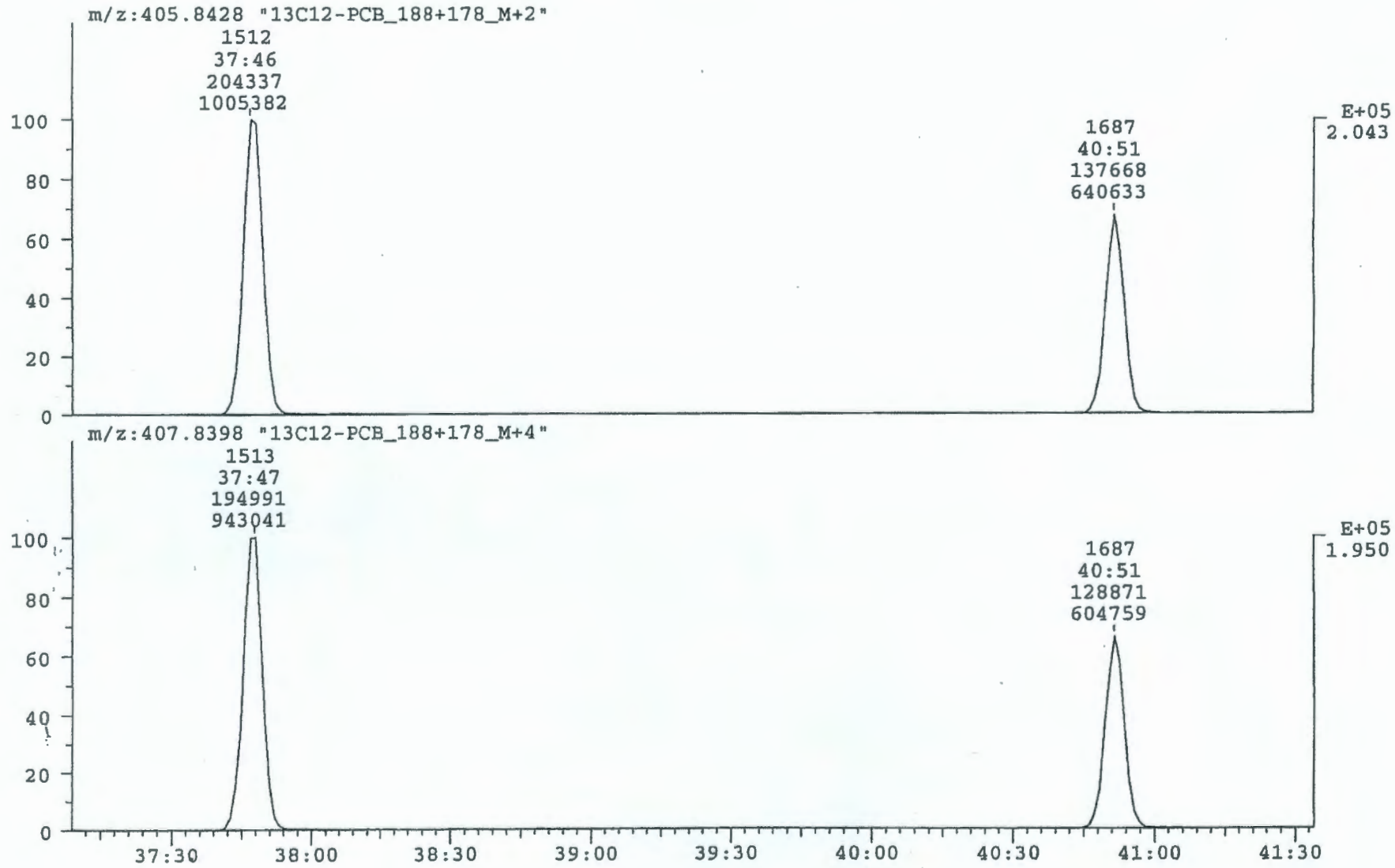
```
CHRO:  a07030732                                08-Mar-07  Elapse:  38:10      1535
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  00:15:30   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   1360 > 1710         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



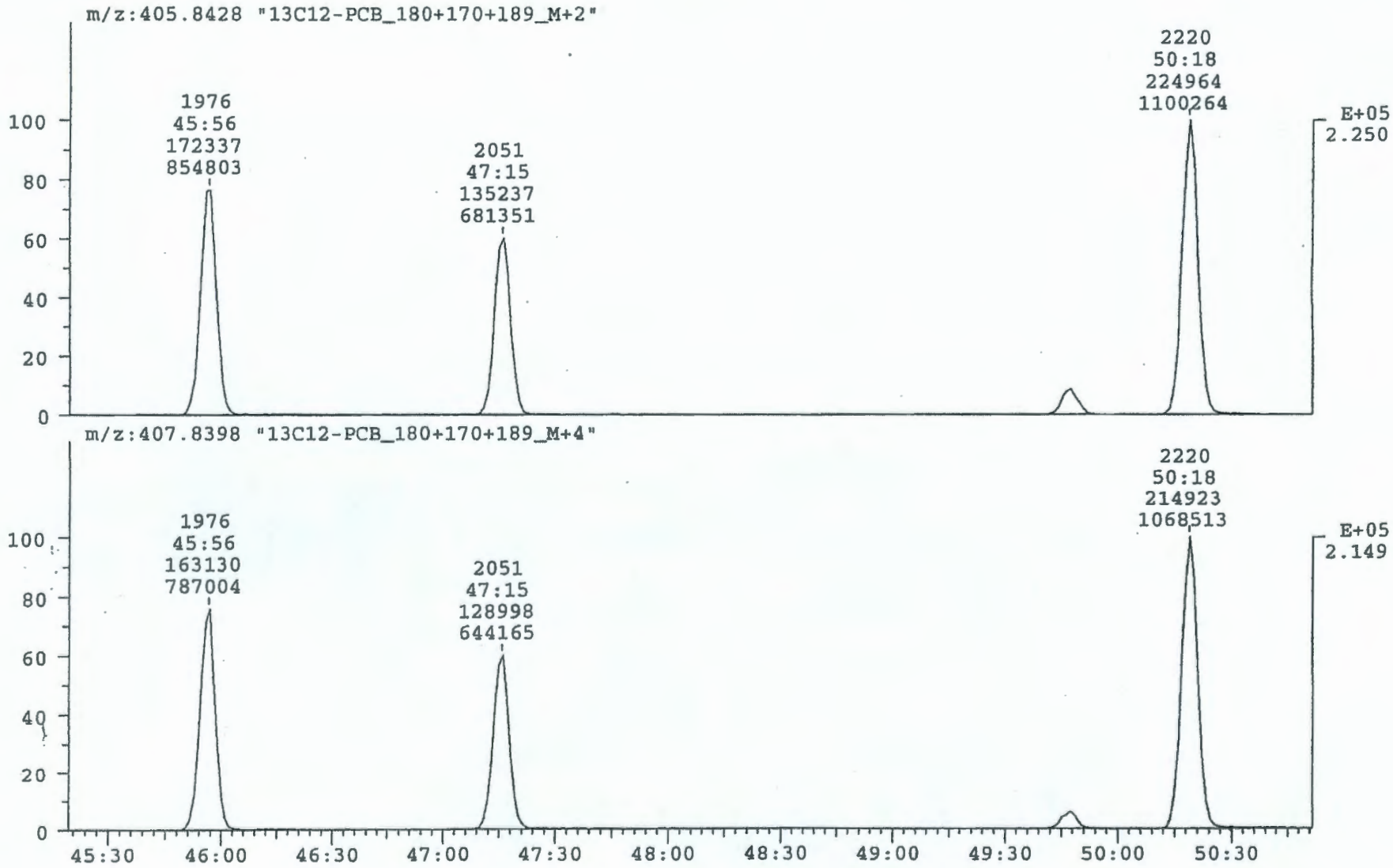
CHRO: a07030732 08-Mar-07 Elapse: 44:05 1871
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1493 > 2245 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



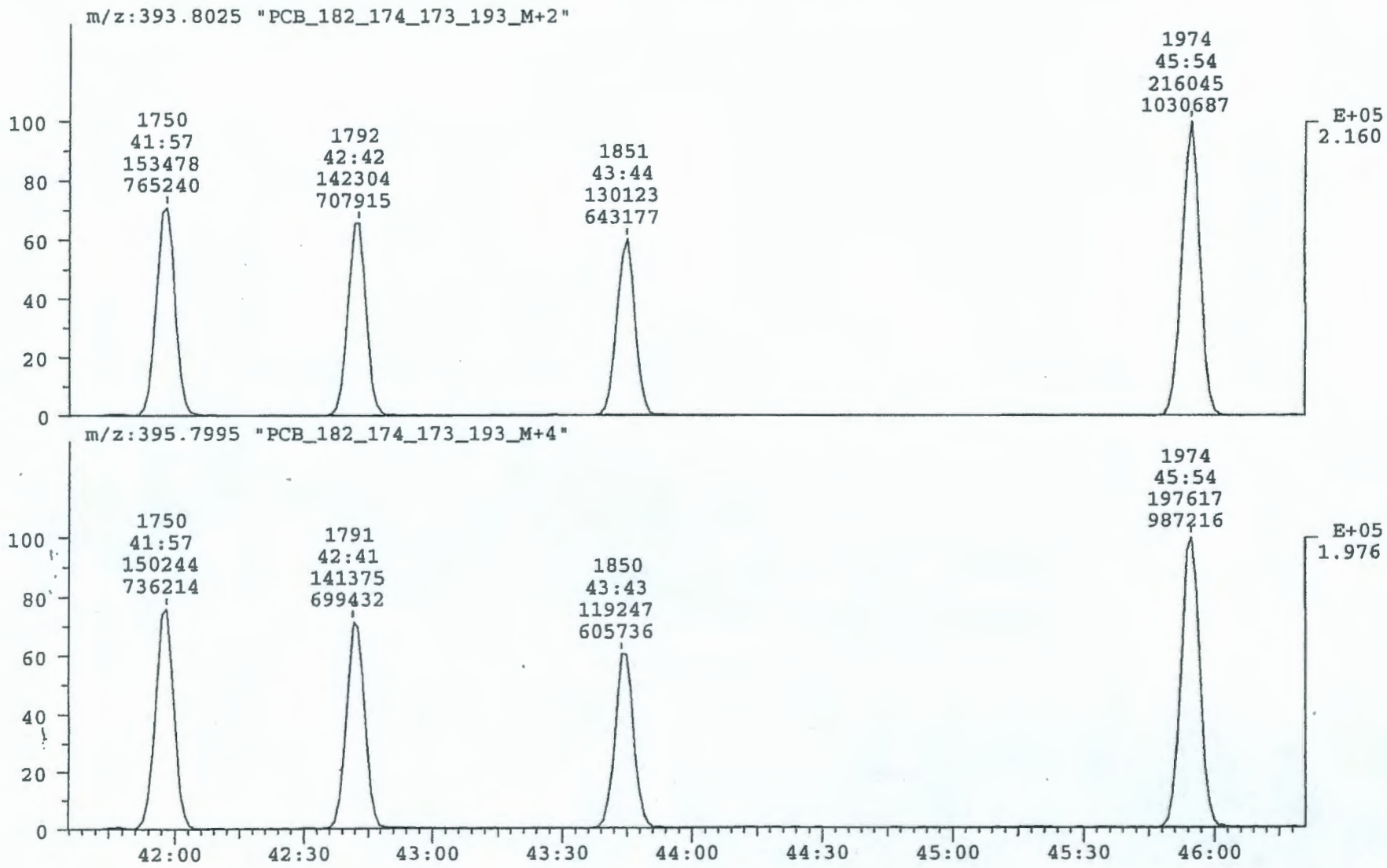
```
CHRO:  a07030732                                08-Mar-07   Elapse:  39:20      1601
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  5
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
```



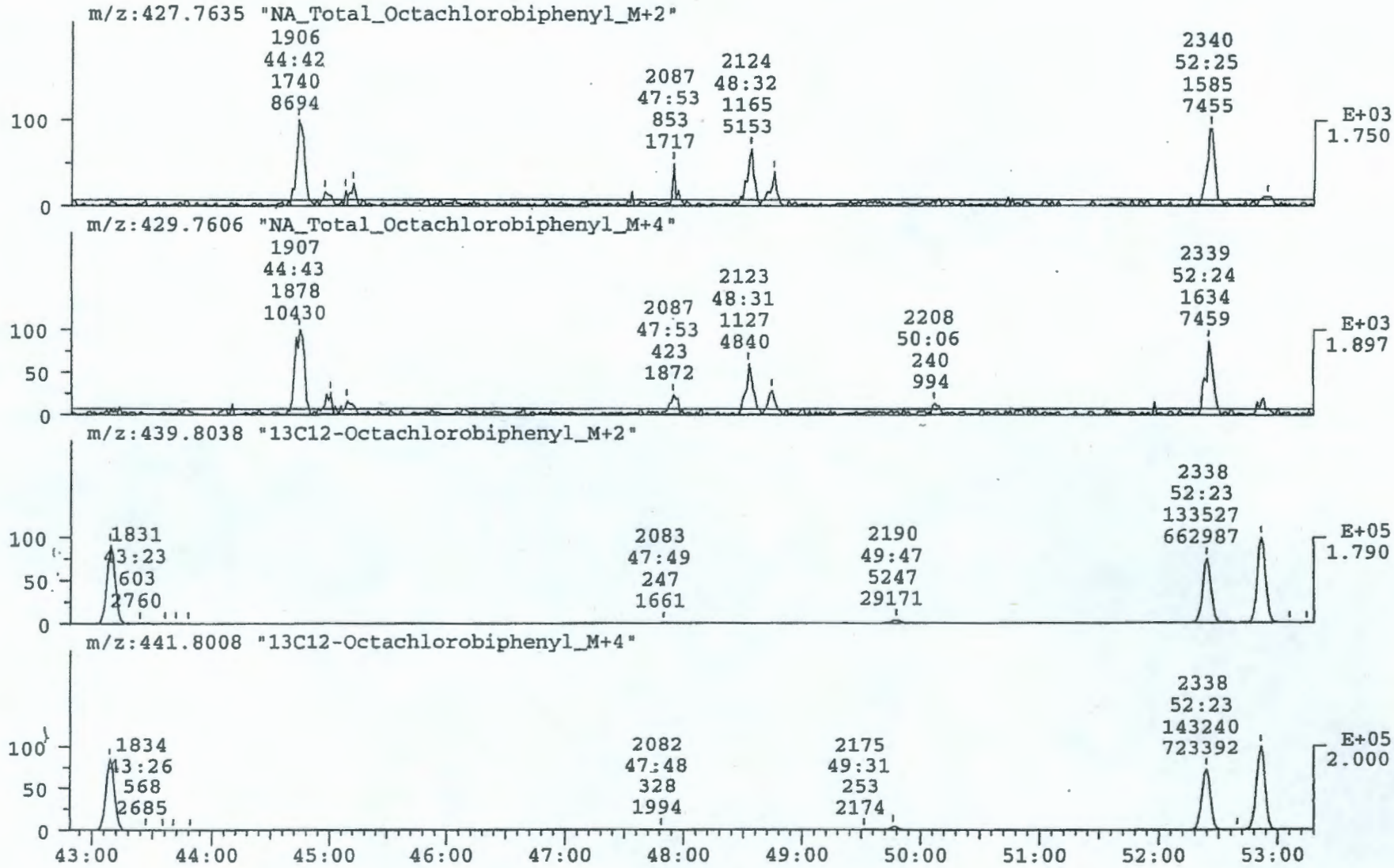
```
CHRO:  a07030732                                08-Mar-07   Elapse:  48:08      2101
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
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
```



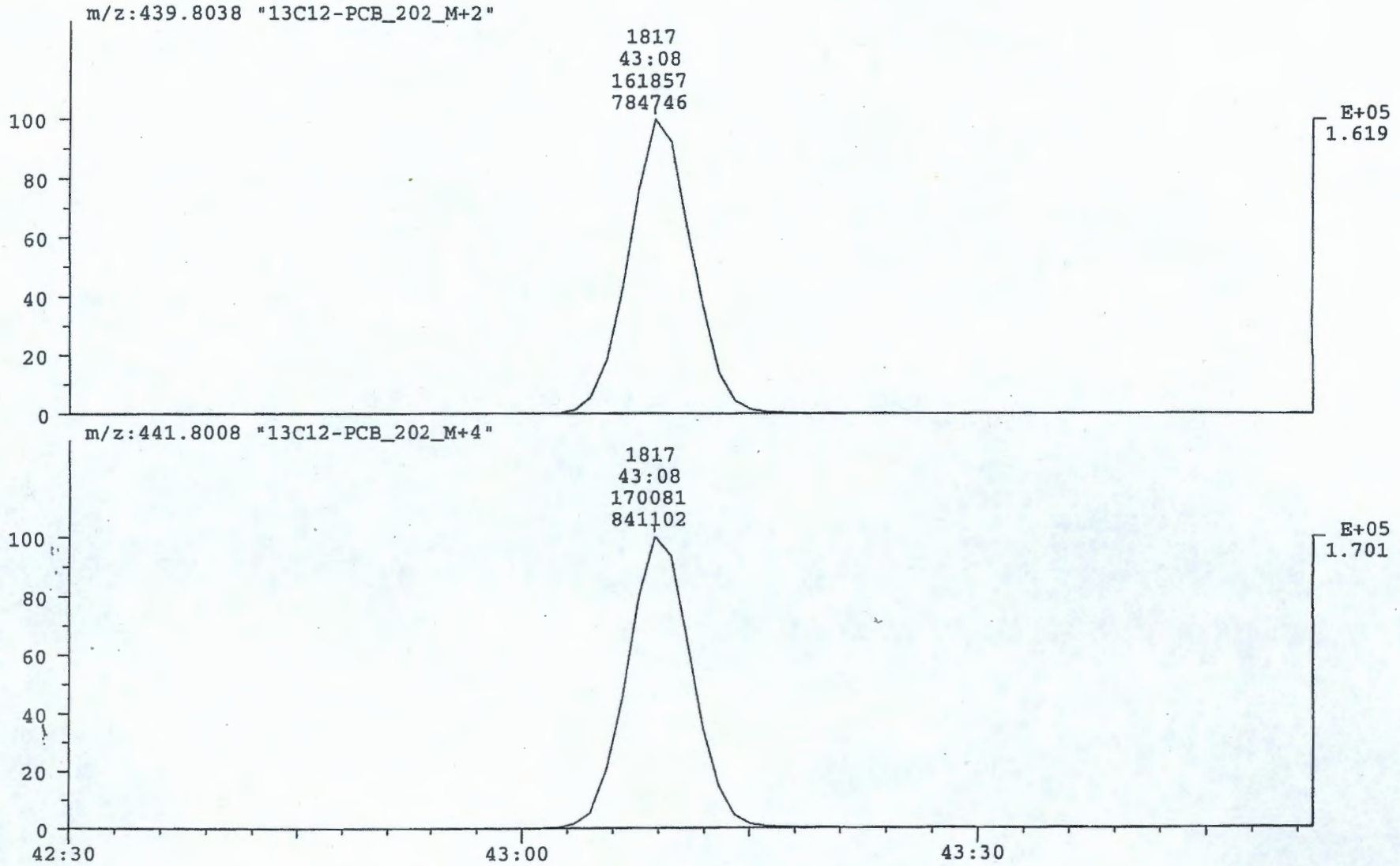
```
CHRO:  a07030732                                08-Mar-07   Elapse:  43:58      1864
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  5
Peak:  100.00  ppm      Label wndw:   1729 > 1999           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



CHRO: a07030732 08-Mar-07 Elapse: 48:03 2096
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1798 > 2390 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area

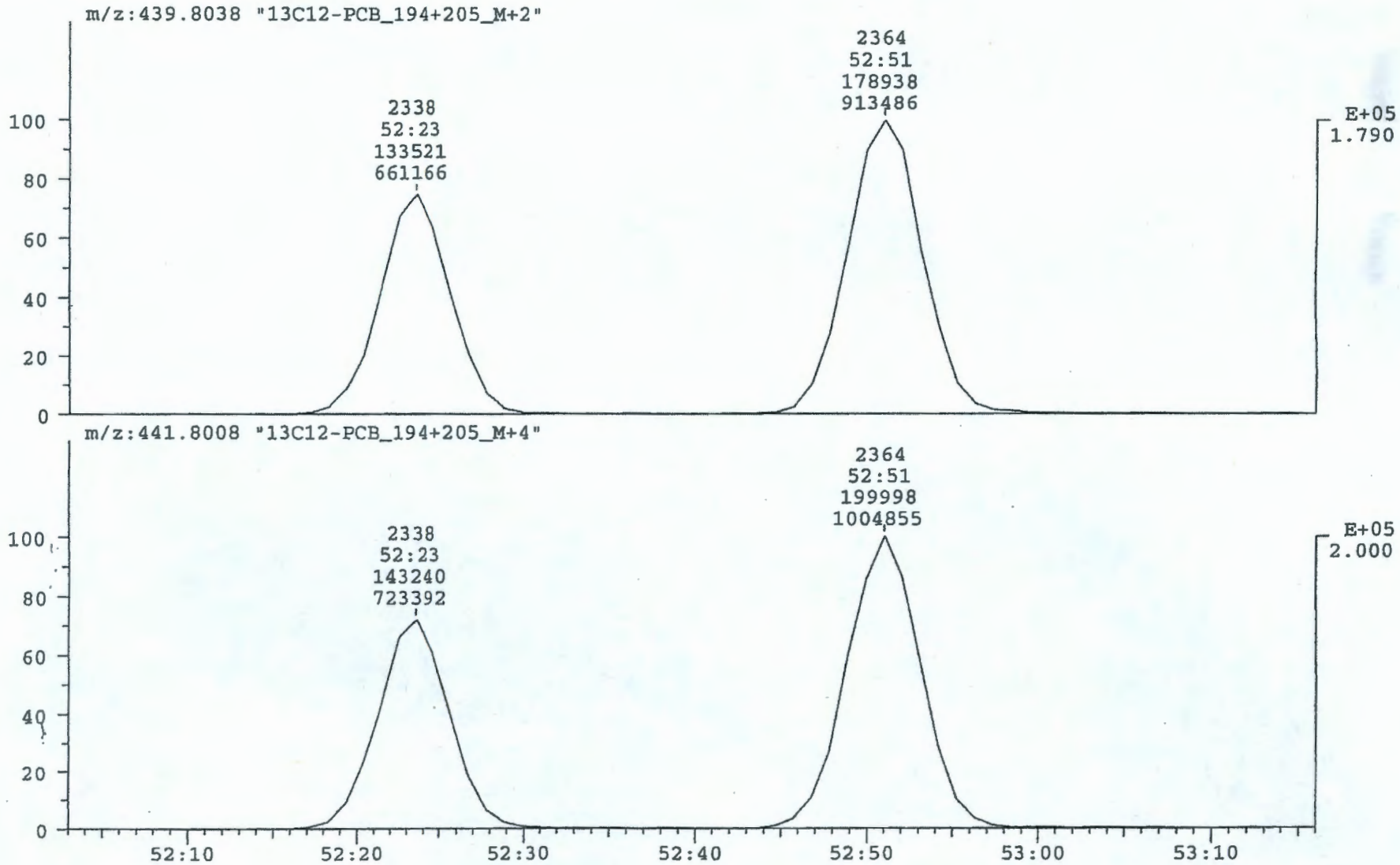


```
CHRO:  a07030732                                08-Mar-07  Elapse:  43:07      1816
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  00:15:30   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run2
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  5
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
```

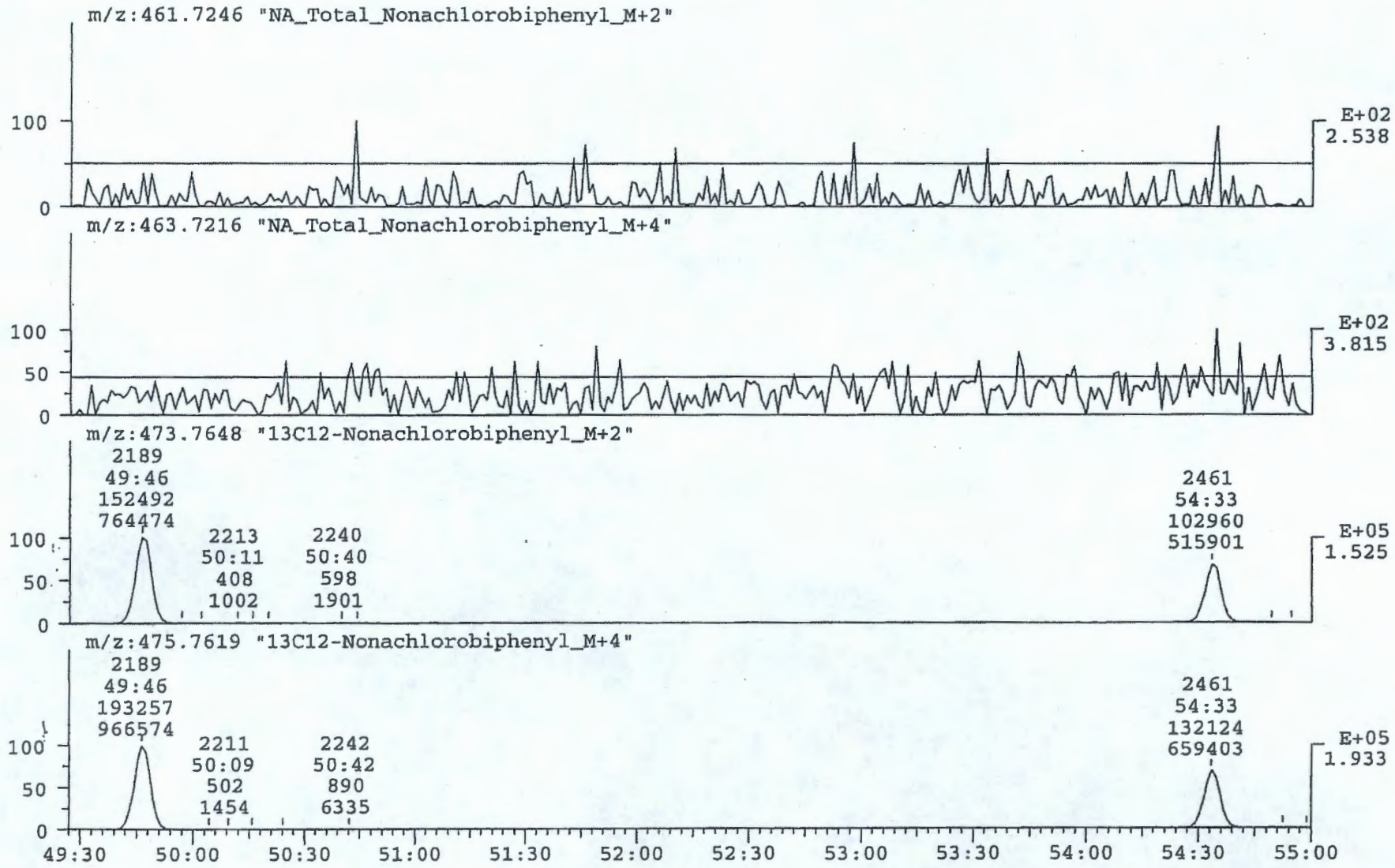



1722

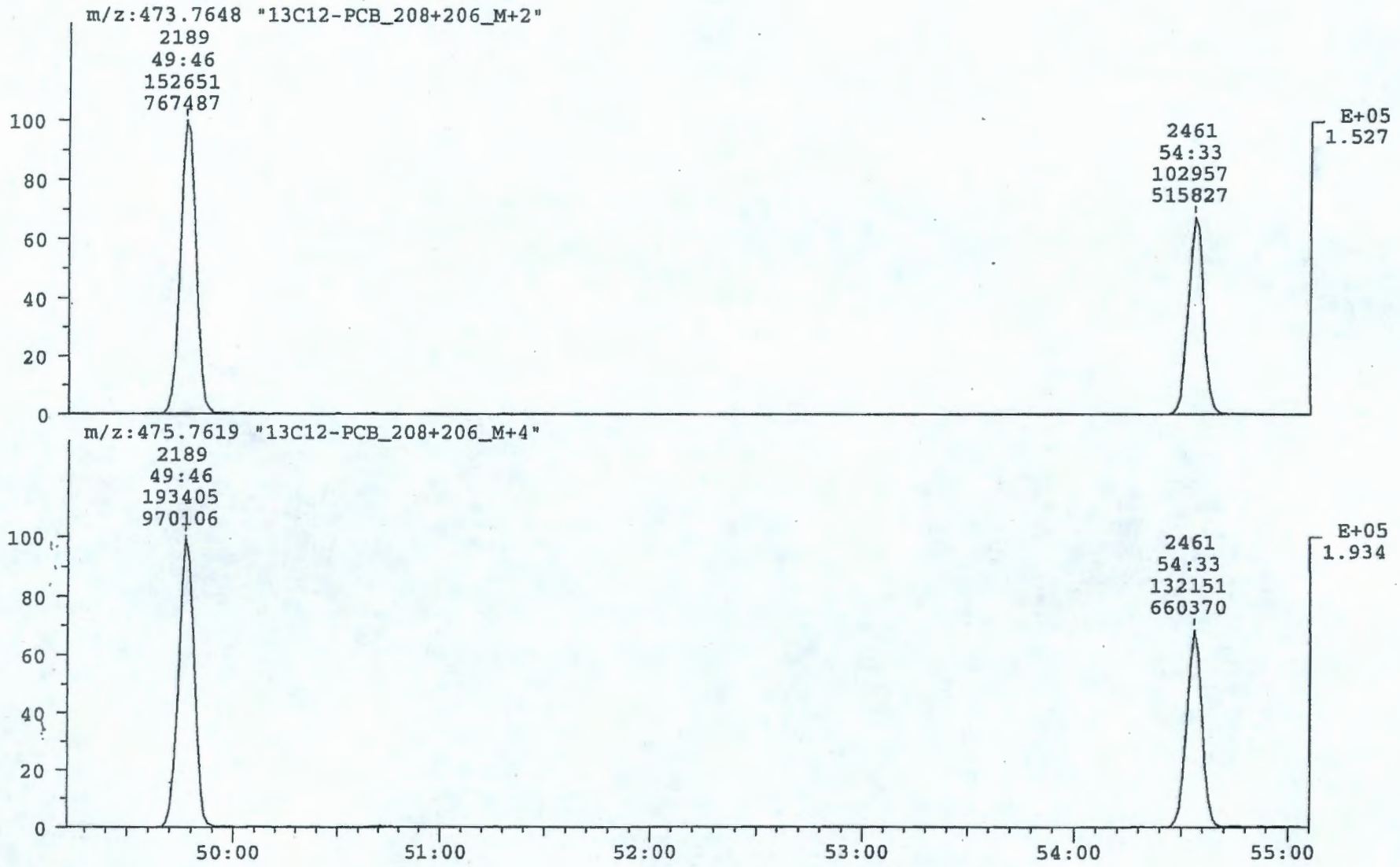
```
CHRO:  a07030732                                08-Mar-07   Elapse:  52:39      2353
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  00:15:30   2601
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  5
Peak:  100.00  ppm      Label wndw:   2319 > 2388           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



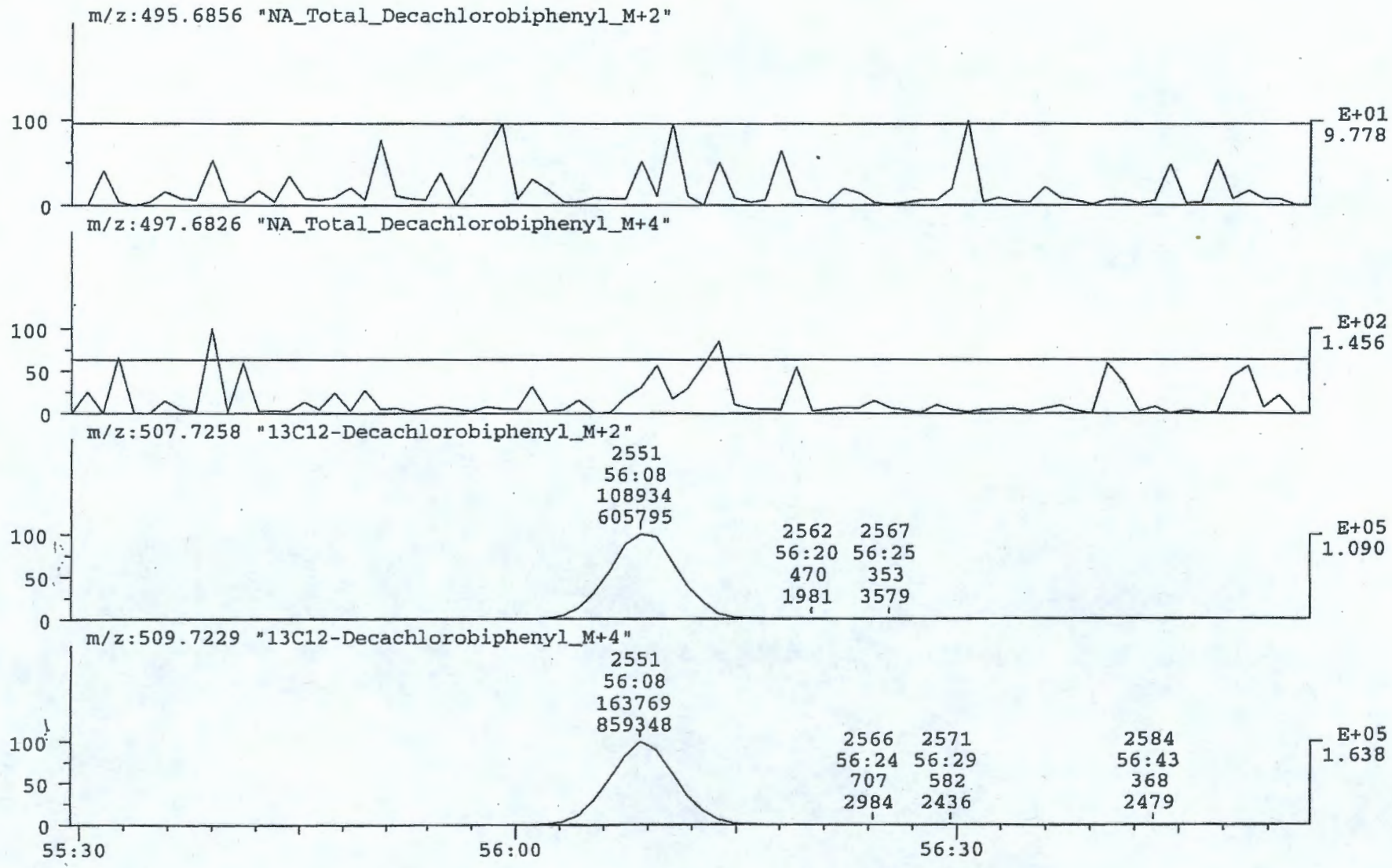
CHRO: a07030732 08-Mar-07 Elapse: 52:12 2328
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 2171 > 2486 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  a07030732                                08-Mar-07  Elapse:  52:11      2327
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  00:15:30   2601
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run2
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   5
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: a07030732 08-Mar-07 Elapse: 56:11 2554
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 00:15:30 2601
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run2
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 2514 > 2594 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
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: a07030732
Study: 1668 RT Mix3/Run2
Sample: WO=2990:75Mix3 Meth=IE3 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: STL Knoxville
Comments: Inst=m1d/137819-2 Batch=20070307s1 Ccal=20050801i
Injected volume: 2.00
Sample from Vial 5
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 8 of list 070307
ICL procedure: sleep7x
MID procedure: epa1668n

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 | 22:01 min | 14:03 min | 36:04 min | 1.00 sec |
| # 3 | 36:05 min | 13:10 min | 49:15 min | 1.00 sec |
| # 4 | 49:16 min | 7:44 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 : epa1668n

| | | | |
|---|---|---|---|
| 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 | 1032.2528 |
| 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 | -18.7750 |
| DRAWC | 1.0000 | DRAWS | 0.0050 | ECORR | 0.9999 |
| ECURR | 1.0000 | EDAC | 7969177.0000 | EDACG | 0.9999 |
| EDACR | 23.0000 | EDACZ | 1160.0000 | ELEN | 67.4250 |
| EMULT | 1.5500 | ENS | 180.0000 | ERATIO | 1.0000 |
| ESA | 763.8000 | ESICUR | 10.0011 | ESIPAR | 0.0000 |
| EXS | 144.0000 | FDMA | 18000000.0000 | FLENS | 1.0000 |
| FM | 20.0000 | FMII | 50.0000 | FQUAD | 0.0000 |
| FREQ | 300.4808 | FSLOPE | 54000000.0000 | FVANAL | 268.0000 |
| FVINLET | 255.0000 | FVSRC | 828.0000 | FWIN | 0.7000 |
| GCTC | 204.0000 | GCTI | 270.0000 | GCTL | 280.0000 |
| HACCU | 208.0000 | HCURR | 0.9412 | HVANAL | 1310.0000 |
| HVSRC | 0.0000 | ICAL0 | 0.0011 | ICAL1 | 0.4030 |
| ICAL2 | 0.5865 | IONEN | 4771.6680 | 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 | 1800.0000 | LENSS | 21.0000 |
| LKM | 404.9760 | LM | 800.0000 | LMASS | 180.4888 |
| LMII | 500.0000 | MASS | 180.4888 | MDAC | 2346712.5794 |

| | | | | | |
|---|---|---|---|---|---|
| MDACR | 23.0000 | MRANGE | 1032.2528 | MSFM | 2.0000 |
| MSLM | 3790.0000 | NPEAK | 1.0000 | NSAM | 100.0000 |
| NSCAN | 2607.0000 | NSMAX | 8.0000 | NSMIN | 2.0000 |
| OCT | -2.0000 | PSAM | 10.0000 | PUSHER | -10.0000 |
| RDRAW | 0.0000 | RDRAWC | 0.0000 | RECURR | 0.0000 |
| RELEN | 0.0000 | RES | 10314.6723 | RFAMP | 799.9987 |
| RFCUR | 100.0110 | RPUSHER | 0.0000 | RWIN | 2.0000 |
| SACCU | 3.0000 | SCIDLE | 1.0000 | SHIELD | 2918.0000 |
| SHIELDS | 0.0000 | SHIGH | 180.0000 | SKIM | 7.0000 |
| SLOW | 60.0000 | SPRAY | 8.0000 | SS | 3.0000 |
| SW | 0.0500 | TANAL | 420.7200 | TCURR | 0.6250 |
| 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 | 2.1750 | USERVAR | 0.0000 | VAPTEMP | 599.9997 |
| VAPTSET | 400.0000 | VMASS | 180.4888 | XLENS | 2000.0000 |
| XLENSS | -34.8000 | YLENS | 2600.0000 | YLENSS | -24.8000 |

Scantype is electric
Sourcemode is EI POS

Analysis started at: 08-Mar-07 00:15:30.2

Autosampler has injected sample from vial 5
MID Time Window 1: Resolution is 7541
MID Time Window 2: Resolution is 6725
MID Time Window 3: Resolution is 9526
MID Time Window 4: Resolution is 9642
Analysis stopped at: 08-Mar-07 01:12:33.6 (run time 57.04 minutes)
Analysis stopped because MID run finished

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# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX3 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030733. | Prep Date | | SDG No | |
| Analysis ID | 96247 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 05:23 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | | | | | 188.0393 | 190.0363 | 188.0393 | 190.0363 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 200 | | | | | 200.0795 | 202.0766 | 200.0795 | 202.0766 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 190 | 310 | 76 | 124 | 0.61 * | / | |
| | 13C12-PCB 1 | 12:12 | 00:00 | 0 | 2405200 | 754919 | 873431 | 277143 | 3.19 | AVV/AVV | |
| | 13C12-PCB 3 | 14:24 | 00:00 | 0 | 2400984 | 740343 | 790347 | 245404 | 3.24 | ABV/AVV | |
| 222 | | | | | 222.0003 | 223.9974 | 222.0003 | 223.9974 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 320 | 498 | 128 | 199 | 0.64 * | / | |
| | PCB 13 (BZ) | 20:20 | 00:00 | 0 | 879730 | 551065 | 234537 | 143135 | 1.60 | AVV/AVB | |
| 234 | | | | | 234.0406 | 236.0376 | 234.0406 | 236.0376 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 383 | 200 | 153 | 80 | 1.91 * | / | |
| | 13C12-PCB 4 | 14:42 | 00:00 | 0 | 1020644 | 626165 | 331573 | 197563 | 1.63 | ABV/AVV | |
| | 13C12-PCB 9 | 16:39 | 00:00 | 0 | 1725100 | 1078748 | 512427 | 311159 | 1.60 | AVV/AVV | |
| | 13C12-PCB 8 | 17:31 | 00:00 | 0 | 1797935 | 1093464 | 497846 | 309508 | 1.64 | AVV/AVV | |
| | 13C12-PCB 15 | 20:40 | 00:00 | 0 | 1765314 | 1086825 | 458645 | 280882 | 1.62 | AVV/ABV | |
| 256 | | | | | 255.9613 | 257.9584 | 255.9613 | 257.9584 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 205 | 155 | 82 | 62 | 1.32 * | / | |
| | PCB 17 (BZ) | 20:09 | 00:00 | 0 | 387921 | 363583 | 96187 | 94218 | 1.07 | ABV/ABV | |
| | PCB 29 (BZ) | 22:50 | 00:00 | 0 | 836447 | 817945 | 207135 | 204012 | 1.02 | ABV/ABV | |
| | PCB 20 (BZ) | 23:47 | 00:00 | 0 | 773863 | 756955 | 186126 | 177268 | 1.02 | ABV/ABV | D |
| 268 | | | | | 268.0016 | 269.9986 | 268.0016 | 269.9986 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 530 | 295 | 212 | 118 | 1.80 * | / | |
| | 13C12-PCB 19 | 17:52 | 00:00 | 0 | 601346 | 564446 | 166447 | 157688 | 1.07 | AVV/AVV | |
| | 13C12-PCB 32 | 21:08 | 00:00 | 0 | 1102425 | 1016268 | 277571 | 259289 | 1.08 | AVV/AVV | |
| | 13C12-PCB 31 | 23:23 | 00:00 | 0 | 1704769 | 1610373 | 418286 | 389704 | 1.06 | ABV/ABV | |
| | 13C12-PCB 28 | 23:41 | 00:00 | 0 | 1565728 | 1499840 | 362265 | 349145 | 1.04 | AVV/AVV | |
| | 13C12-PCB 37 | 27:46 | 00:00 | 0 | 1515735 | 1398696 | 331233 | 300809 | 1.08 | AVV/ABV | |
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 235 | 190 | 94 | 76 | 1.24 * | / | |
| | PCB 46 (BZ) | 24:12 | 00:00 | 0 | 691644 | 878687 | 165911 | 210738 | 0.79 | ABV/ABV | D |
| | PCB 65 (BZ) | 26:31 | 00:00 | 0 | 1117069 | 1397093 | 250365 | 313538 | 0.80 | ABV/ABV | |
| | PCB 59 (BZ) | 26:54 | 00:00 | 0 | 1119604 | 1427713 | 254638 | 326066 | 0.78 | AVV/AVV | M |
| | PCB 40 (BZ) | 27:39 | 00:00 | 0 | 602270 | 774144 | 136606 | 178790 | 0.78 | ABB/AVB | DM |
| | PCB 67 (BZ) | 29:42 | 00:00 | 0 | 1256711 | 1635791 | 279361 | 367300 | 0.77 | ABV/ABV | D |
| | PCB 76 (BZ) | 30:21 | 00:00 | 0 | 1124985 | 1461809 | 251281 | 322542 | 0.77 | AVV/AVV | M |
| | PCB 80 (BZ) | 31:52 | 00:00 | 0 | 1296802 | 1642840 | 275388 | 350542 | 0.79 | ABV/ABV | D |
| 302 | | | | | 301.9626 | 303.9597 | 301.9626 | 303.9597 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 163 | 140 | 65 | 56 | 1.16 * | / | |
| | 13C12-PCB 54 | 21:01 | 00:00 | 0 | 528879 | 654279 | 133195 | 166730 | 0.81 | ABV/ABV | |
| | 13C12-PCB 52 | 25:32 | 00:00 | 0 | 812867 | 1008531 | 193077 | 236512 | 0.81 | ABV/ABV | |
| | 13C12-PCB 79 | 33:27 | 00:00 | 0 | 1157663 | 1451369 | 256944 | 314245 | 0.80 | ABV/ABV | |
| | 13C12-PCB 81 | 34:29 | 00:00 | 0 | 1024154 | 1283042 | 214896 | 272064 | 0.80 | ABV/ABV | D |
| | 13C12-PCB 77 | 35:05 | 00:00 | 0 | 1055071 | 1321150 | 215252 | 264463 | 0.80 | ABV/ABV | D |
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |

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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX3 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030733. | Prep Date | | SDG No | |
| Analysis ID | 96247 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 05:23 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 305 | 230 | 122 | 92 | 1.33 | / | |
| | PCB 93 (BZ) | 29:42 | 00:00 | 0 | 834620 | 527304 | 182620 | 117145 | 1.58 | ABV/ABV | D |
| | PCB 84 (BZ) | 30:39 | 00:00 | 0 | 800203 | 504238 | 176486 | 105886 | 1.59 | ABV/ABV | D |
| | PCB 101 (BZ) | 32:21 | 00:00 | 0 | 1088610 | 665305 | 229145 | 143254 | 1.64 | ABV/ABV | DM |
| | PCB 112 (BZ) | 33:05 | 00:00 | 0 | 1299146 | 827033 | 271091 | 173004 | 1.57 | ABV/ABV | D |
| | PCB 86 (BZ) | 33:29 | 00:00 | 0 | 867648 | 556775 | 186491 | 113839 | 1.56 | AVV/AVV | DM |
| | PCB 116 (BZ) | 34:09 | 00:00 | 0 | 1229202 | 775371 | 263013 | 169956 | 1.59 | AVV/ABV | DM |
| | PCB 107 (BZ)/109 (IUPAC | 36:54 | 00:00 | 0 | 1658983 | 1052663 | 343687 | 214243 | 1.58 | AVV/AVV | D |
| 338 | | | | | 337.9207 | 339.9178 | 337.9207 | 339.9178 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 168 | 148 | 67 | 59 | 1.14 * | / | |
| | 13C12-PCB 104 | 26:28 | 00:00 | 0 | 1221961 | 752563 | 280698 | 175096 | 1.62 | ABV/ABV | D |
| | 13C12-PCB 95 | 29:29 | 00:00 | 0 | 900199 | 560689 | 191404 | 122818 | 1.61 | ABV/ABV | D |
| | 13C12-PCB 101 | 32:20 | 00:00 | 0 | 968481 | 598660 | 213579 | 131581 | 1.62 | ABV/AVV | |
| | 13C12-PCB 111 | 34:58 | 00:00 | 0 | 1207198 | 742241 | 256285 | 156717 | 1.63 | ABV/ABV | |
| | 13C12-PCB 123 | 36:59 | 00:00 | 0 | 1467126 | 912877 | 309597 | 196236 | 1.61 | ABV/ABV | D |
| | 13C12-PCB 118 | 37:18 | 00:00 | 0 | 1529559 | 954159 | 310969 | 195436 | 1.60 | AVV/AVV | D |
| | 13C12-PCB 114 | 37:51 | 00:00 | 0 | 1474205 | 920631 | 291903 | 187366 | 1.60 | AVV/AVV | D |
| | 13C12-PCB 105 | 38:33 | 00:00 | 0 | 1452195 | 896895 | 295882 | 180780 | 1.62 | ABV/AVV | D |
| | 13C12-PCB 127 | 39:57 | 00:00 | 0 | 1625266 | 1013139 | 334914 | 205101 | 1.60 | AVV/ABV | |
| | 13C12-PCB 126 | 41:37 | 00:00 | 0 | 1539207 | 973204 | 320768 | 202114 | 1.58 | ABV/ABV | D |
| 360 | | | | | 359.8415 | 361.8385 | 359.8415 | 361.8385 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 285 | 205 | 114 | 82 | 1.39 | / | |
| | PCB 154 (BZ) | 35:26 | 00:00 | 0 | 879811 | 688138 | 193478 | 147891 | 1.28 | ABV/ABV | D |
| | PCB 147 (BZ) | 36:11 | 00:00 | 0 | 1120808 | 889570 | 203871 | 158603 | 1.26 | ABV/ABV | D |
| | PCB 140 (BZ) | 36:48 | 00:00 | 0 | 938470 | 759463 | 196549 | 157261 | 1.24 | AVV/AVV | DM |
| | PCB 146 (BZ) | 38:32 | 00:00 | 0 | 995324 | 794653 | 206406 | 165760 | 1.25 | ABV/ABV | D |
| | PCB 141 (BZ) | 39:24 | 00:00 | 0 | 927488 | 738622 | 190118 | 157317 | 1.26 | ABV/ABV | D |
| | PCB 164 (BZ) | 40:10 | 00:00 | 0 | 1271933 | 1001998 | 268218 | 208162 | 1.27 | ABV/AVV | |
| | PCB 158 (BZ) | 40:49 | 00:00 | 0 | 1342973 | 1067024 | 275694 | 222668 | 1.26 | AVV/AVV | D |
| 372 | | | | | 371.8817 | 373.8788 | 371.8817 | 373.8788 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 350 | 133 | 140 | 53 | 2.64 * | / | |
| | 13C12-PCB 155 | 32:01 | 00:00 | 0 | 992645 | 774612 | 211066 | 164580 | 1.28 | ABV/ABV | D |
| | 13C12-PCB 153 | 39:07 | 00:00 | 0 | 1028354 | 817190 | 219438 | 173206 | 1.26 | ABV/ABV | D |
| | 13C12-PCB 138 | 40:26 | 00:00 | 0 | 1027527 | 804375 | 218002 | 169878 | 1.28 | ABV/ABV | |
| | 13C12-PCB 167 | 43:23 | 00:00 | 0 | 1260281 | 1007498 | 254537 | 203395 | 1.25 | AVV/AVV | |
| | 13C12-PCB 156 | 44:33 | 00:00 | 0 | 1160946 | 909492 | 254415 | 199139 | 1.28 | ABV/ABV | D |
| | 13C12-PCB 157 | 44:38 | 00:00 | 0 | 1360774 | 1053188 | 279574 | 213955 | 1.29 | AVB/AVB | M |
| | 13C12-PCB 169 | 47:49 | 00:00 | 0 | 1239310 | 968282 | 256318 | 197335 | 1.28 | ABV/ABV | D |
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 203 | 205 | 81 | 82 | 0.99 | / | |
| | PCB 182 (BZ) | 41:56 | 00:00 | 0 | 815269 | 762915 | 166556 | 154122 | 1.07 | AVV/AVV | D |
| | PCB 174 (BZ) | 42:40 | 00:00 | 0 | 758639 | 701939 | 155681 | 144073 | 1.08 | AVV/AVV | D |
| | PCB 173 (BZ) | 43:43 | 00:00 | 0 | 668697 | 635657 | 135064 | 131079 | 1.05 | AVV/AVV | DM |

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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX3 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030733. | Prep Date | | SDG No | |
| Analysis ID | 96247 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/08/07 05:23 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

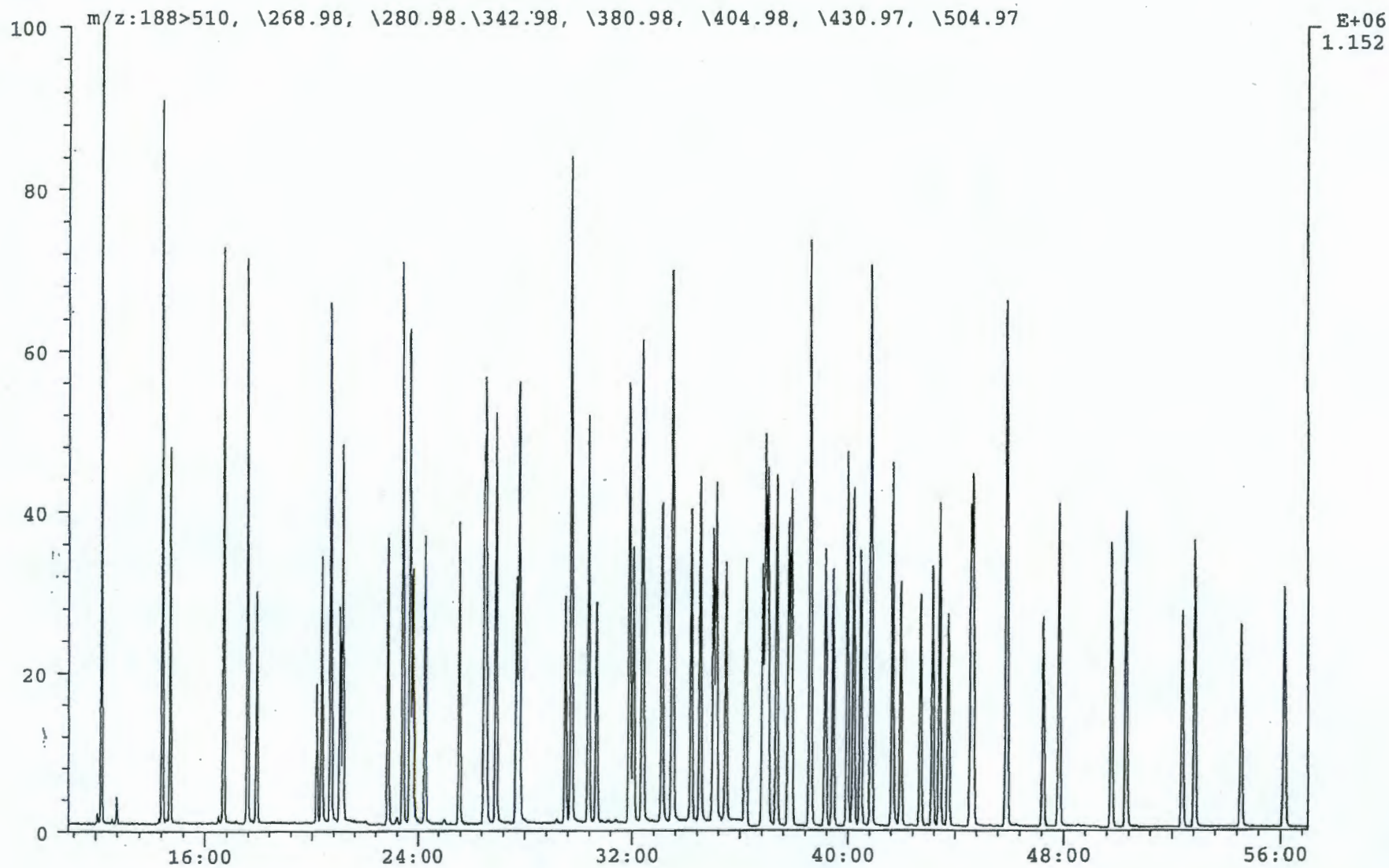
View Small Peaks? False  View deleted Peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | PCB 193 (BZ) | 45:53 | 00:00 | 0 | 1097414 | 1051257 | 226878 | 218909 | 1.04 | ABV/ABB | D |
| 406 | | | | | 405.8428 | 407.8398 | 405.8428 | 407.8398 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 198 | 145 | 79 | 58 | 1.36 * | / | |
| | 13C12-PCB 188 | 37:46 | 00:00 | 0 | 1065105 | 989129 | 219339 | 201806 | 1.08 | ABV/ABV | D |
| | 13C12-PCB 178 | 40:49 | 00:00 | 0 | 697608 | 645039 | 142131 | 137668 | 1.08 | ABV/ABV | D |
| | 13C12-PCB 180 | 45:55 | 00:00 | 0 | 908318 | 833817 | 180462 | 168870 | 1.09 | ABV/ABV | |
| | 13C12-PCB 170 | 47:14 | 00:00 | 0 | 723410 | 673475 | 145908 | 134170 | 1.07 | AVV/AVV | |
| | 13C12-PCB 189 | 50:17 | 00:00 | 0 | 1163040 | 1108082 | 231752 | 223809 | 1.05 | ABV/ABV | D |
| 428 | | | | | 427.7635 | 429.7606 | 427.7635 | 429.7606 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 440 | | | | | 439.8038 | 441.8008 | 439.8038 | 441.8008 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 113 | 115 | 45 | 46 | 0.98 | / | |
| | 13C12-PCB 202 | 43:07 | 00:00 | 0 | 811663 | 889703 | 160981 | 182911 | 0.91 | ABV/ABV | D |
| | 13C12-PCB 194 | 52:21 | 00:00 | 0 | 698798 | 769900 | 139559 | 154251 | 0.91 | ABB/ABV | |
| | 13C12-PCB 205 | 52:49 | 00:00 | 0 | 958583 | 1073075 | 188879 | 210511 | 0.89 | AVV/AVV | |
| 462 | | | | | 461.7246 | 463.7216 | 461.7246 | 463.7216 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 474 | | | | | 473.7648 | 475.7619 | 473.7648 | 475.7619 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 165 | 165 | 66 | 66 | 1.00 * | / | |
| | 13C12-PCB 208 | 49:44 | 00:00 | 0 | 823535 | 1022984 | 161892 | 206025 | 0.81 | AVV/AVV | |
| | 13C12-PCB 206 | 54:31 | 00:00 | 0 | 556317 | 698868 | 108342 | 139406 | 0.80 | ABV/ABV | |
| 496 | | | | | 495.6856 | 497.6826 | 495.6856 | 497.6826 | 0.59-0.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 508 | | | | | 507.7258 | 509.7229 | 507.7258 | 509.7229 | 0.59-0.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 163 | 133 | 65 | 53 | 1.23 * | / | |
| | 13C12-PCB 209 | 56:06 | 00:00 | 0 | 647690 | 921458 | 115783 | 169052 | 0.70 | ABV/ABV | |

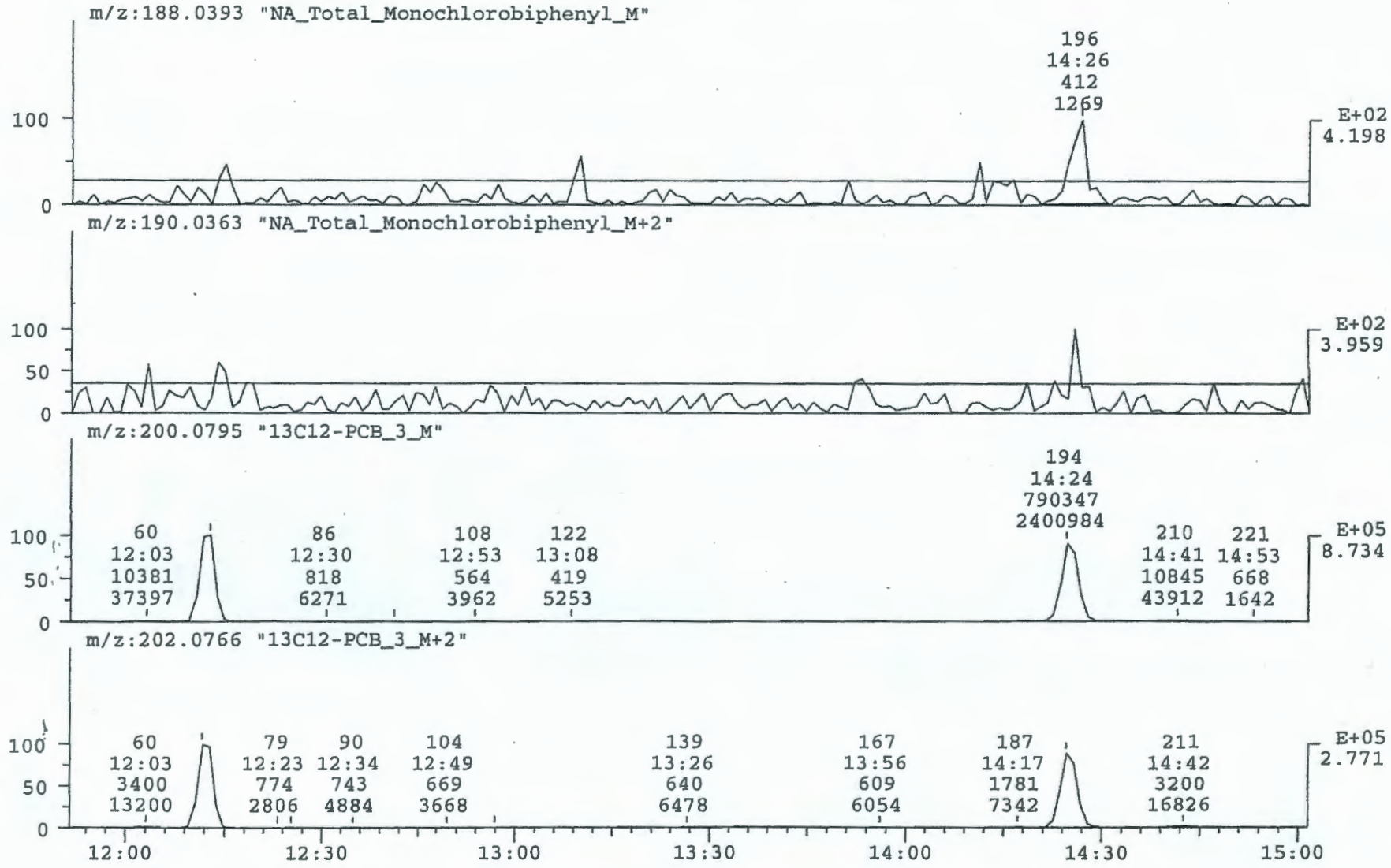
Notes:
R = ratio is outside limits  M = data changed manually  N = Peak not reported  S = peak less than 2.5x S/N
T = peaks outside comax limit  D = peak outside RT window  W = peak outside first/last  X = peak has dup match

CHRO: a07030733 08-Mar-07 Elapse: 56:09 2554
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 05:23:53 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
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

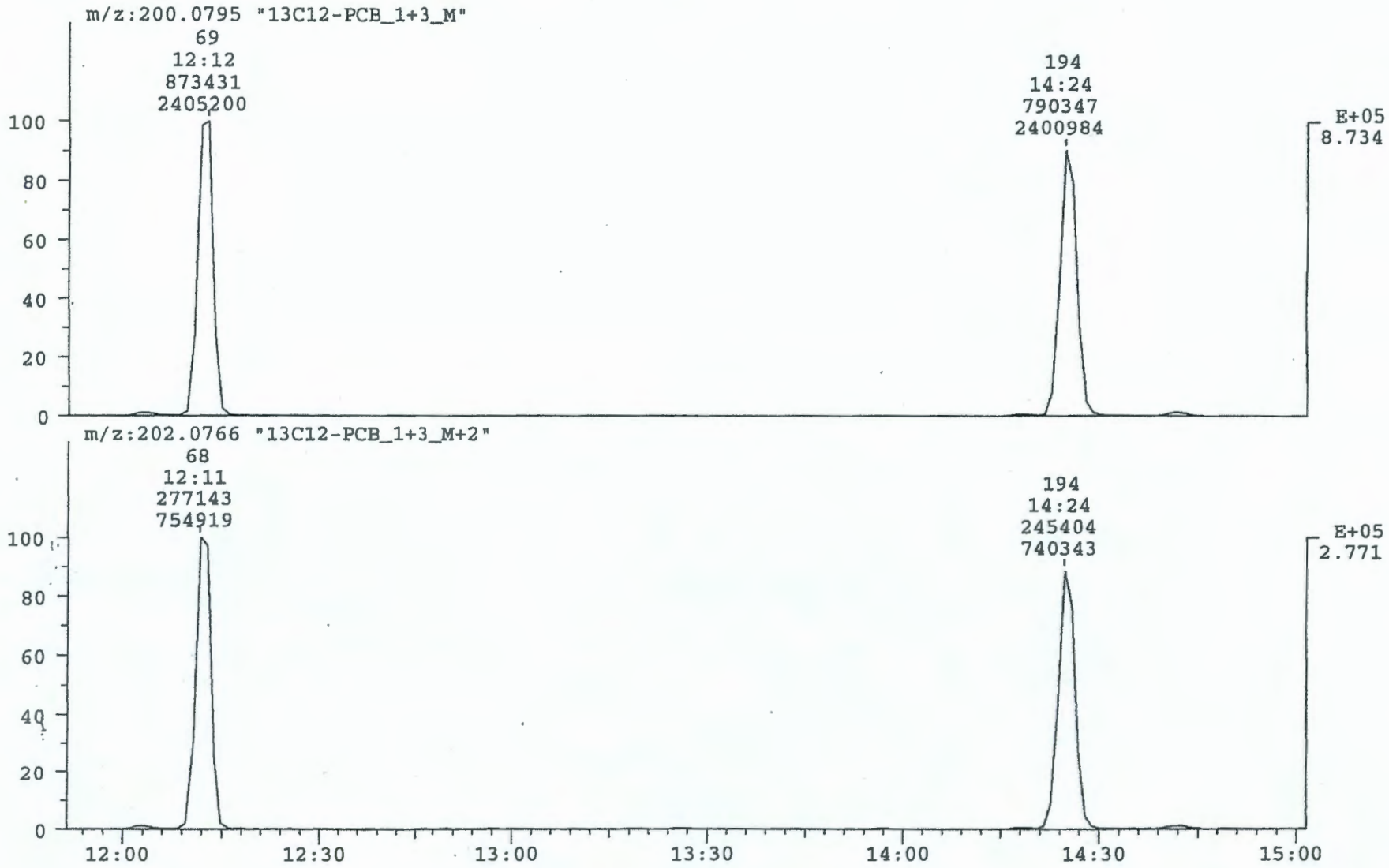
Inorg 3.1707
Cyc Dr 3.1907
QC BYW 3/19/07



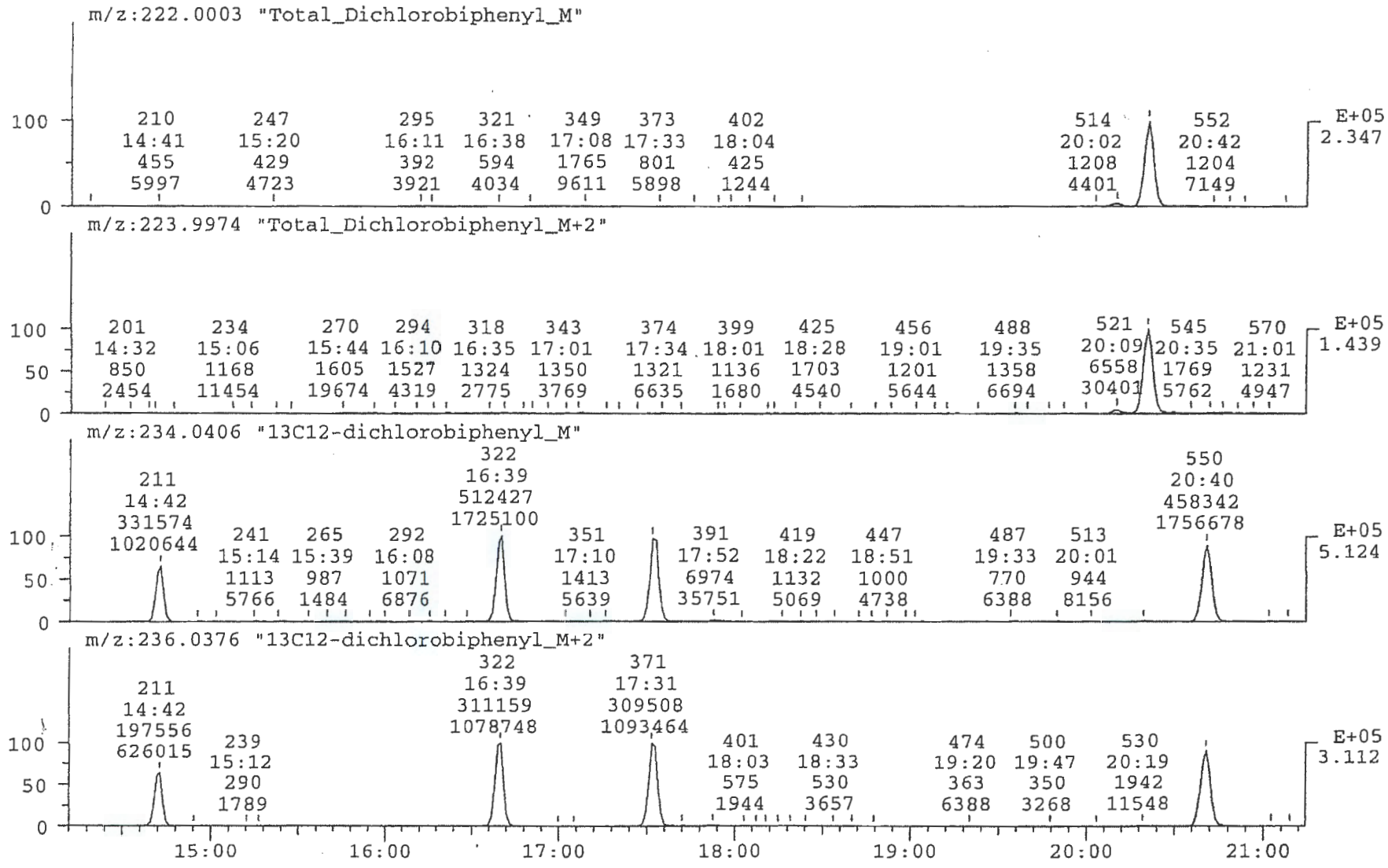
```
CHRO:  a07030733                                08-Mar-07  Elapse:  13:26.5      139
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  05:23:53    2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   49 > 229            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



CHRO: a07030733 08-Mar-07 Elapse: 13:26.5 139
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 05:23:53 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 49 > 229 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area

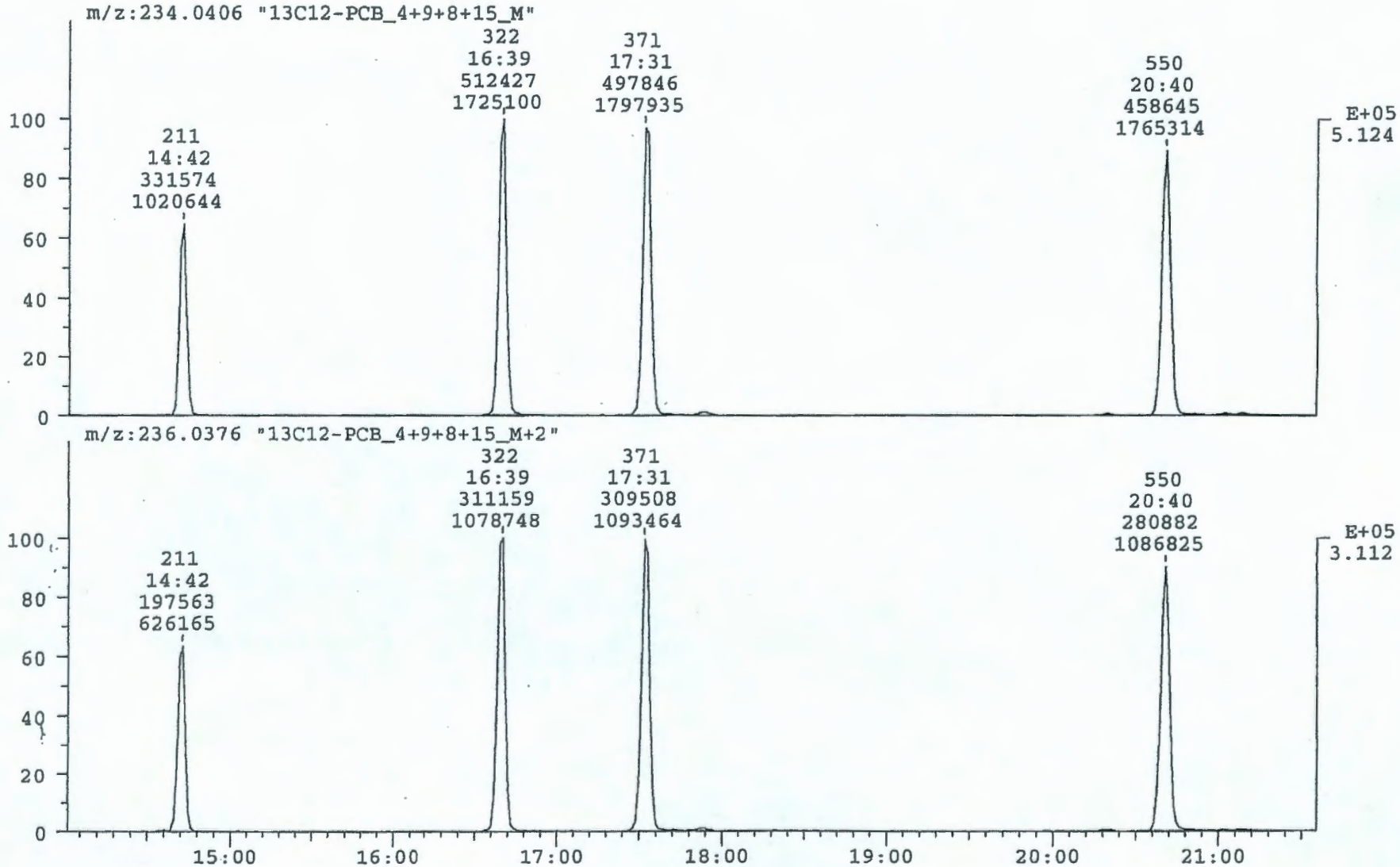


```
CHRO:  a07030733                                08-Mar-07   Elapse:  17:43.1      382
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53    2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
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
```

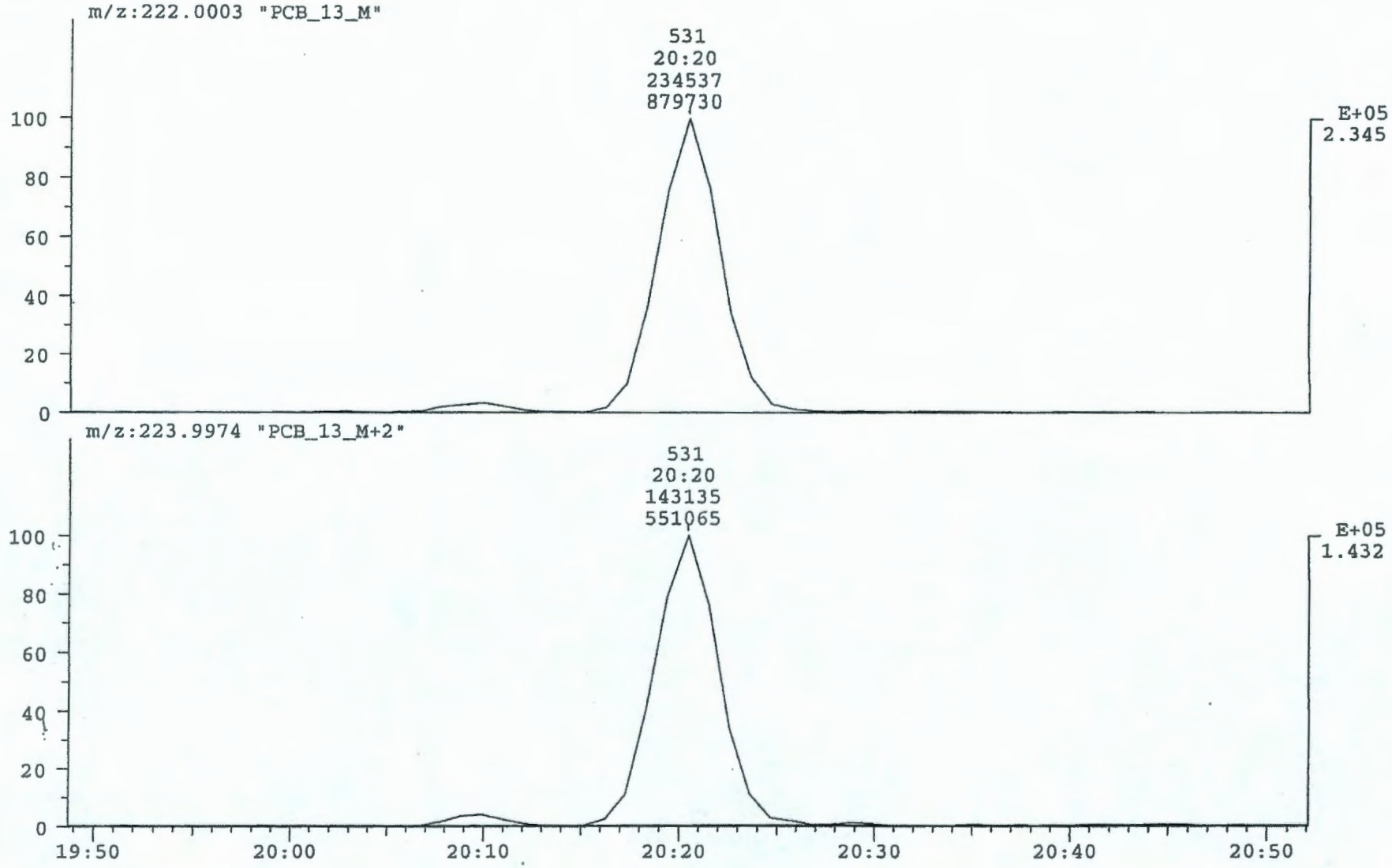



1737

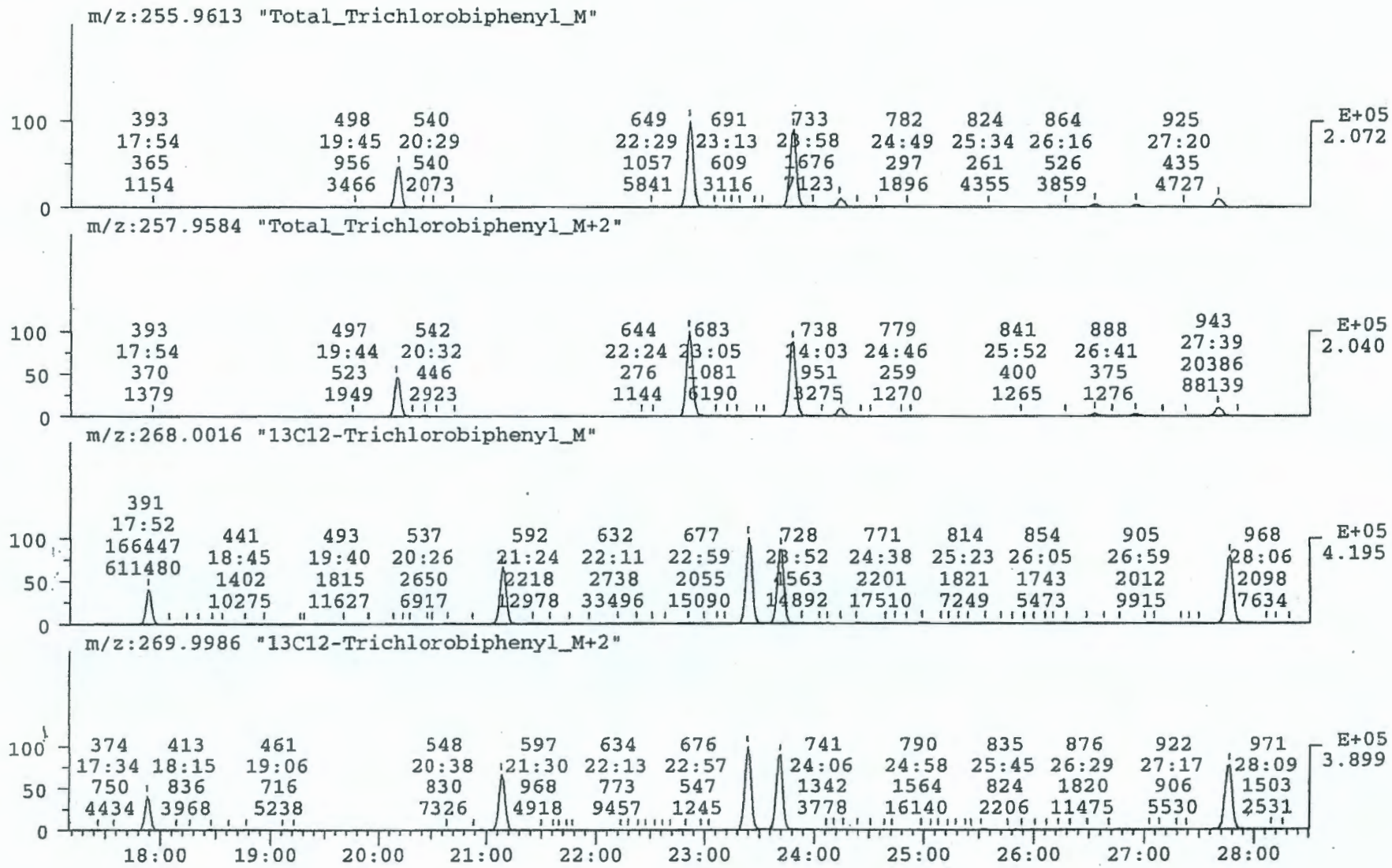
CHRO: a07030733 08-Mar-07 Elapse: 17:43.1 382
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 05:23:53 2602
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 172 > 602 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



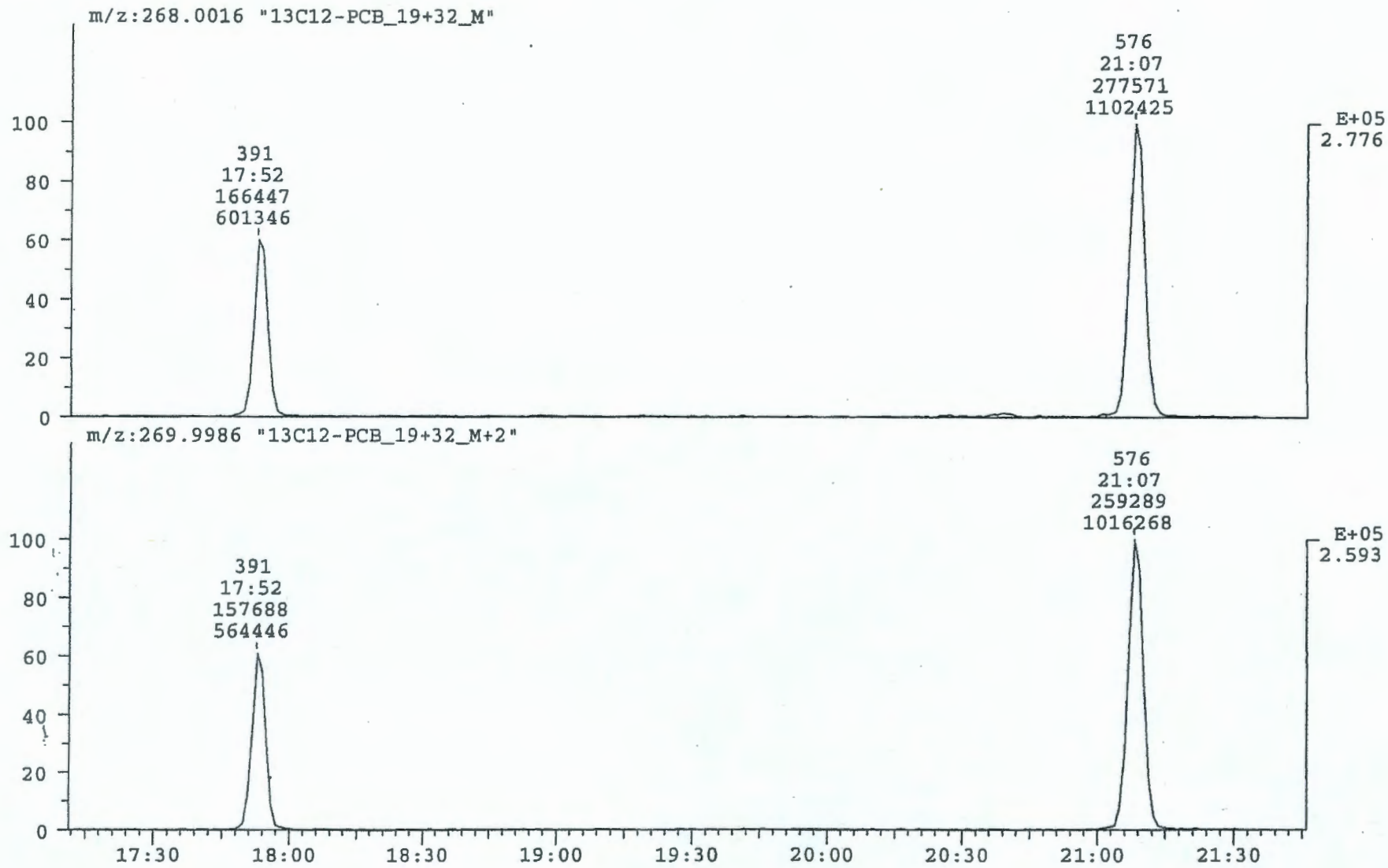
CHRO: a07030733 08-Mar-07 Elapse: 20:20.4 531
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 05:23:53 2602
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 501 > 561 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



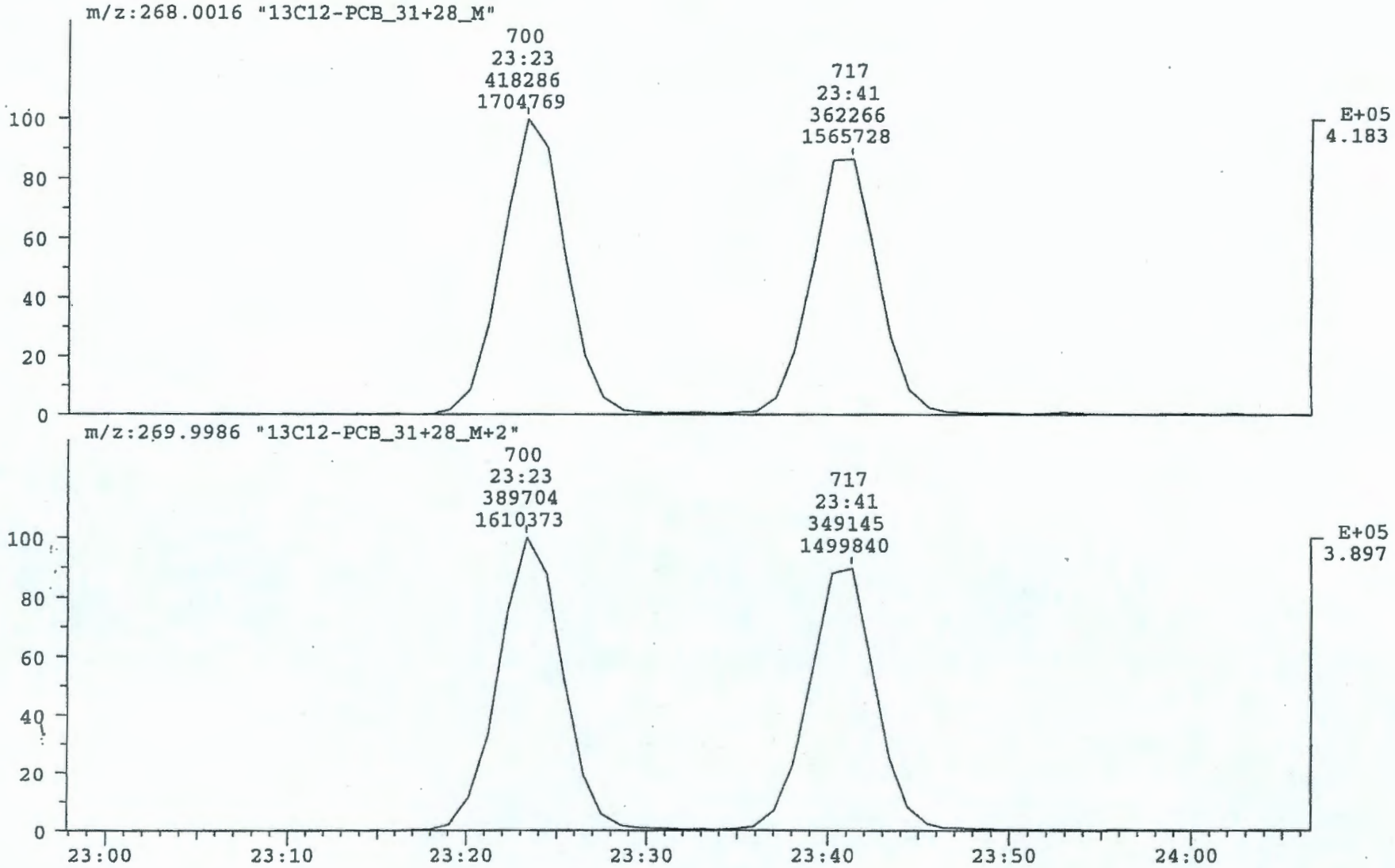
CHRO: a07030733 08-Mar-07 Elapse: 22:52.6 671
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 05:23:53 2602
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 351 > 991 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



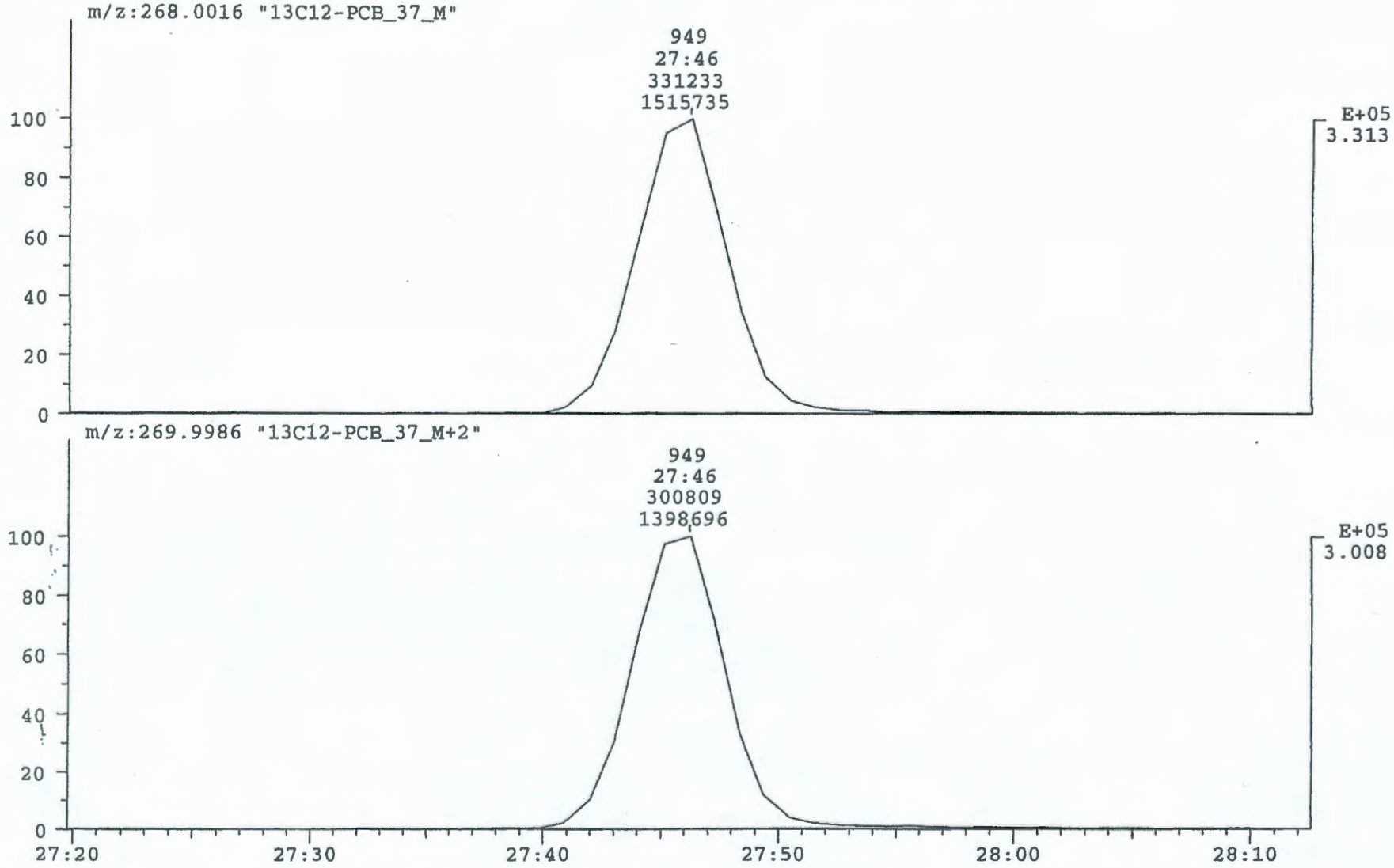
```
CHRO:  a07030733                                08-Mar-07   Elapse:  19:18.1      472
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
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
```



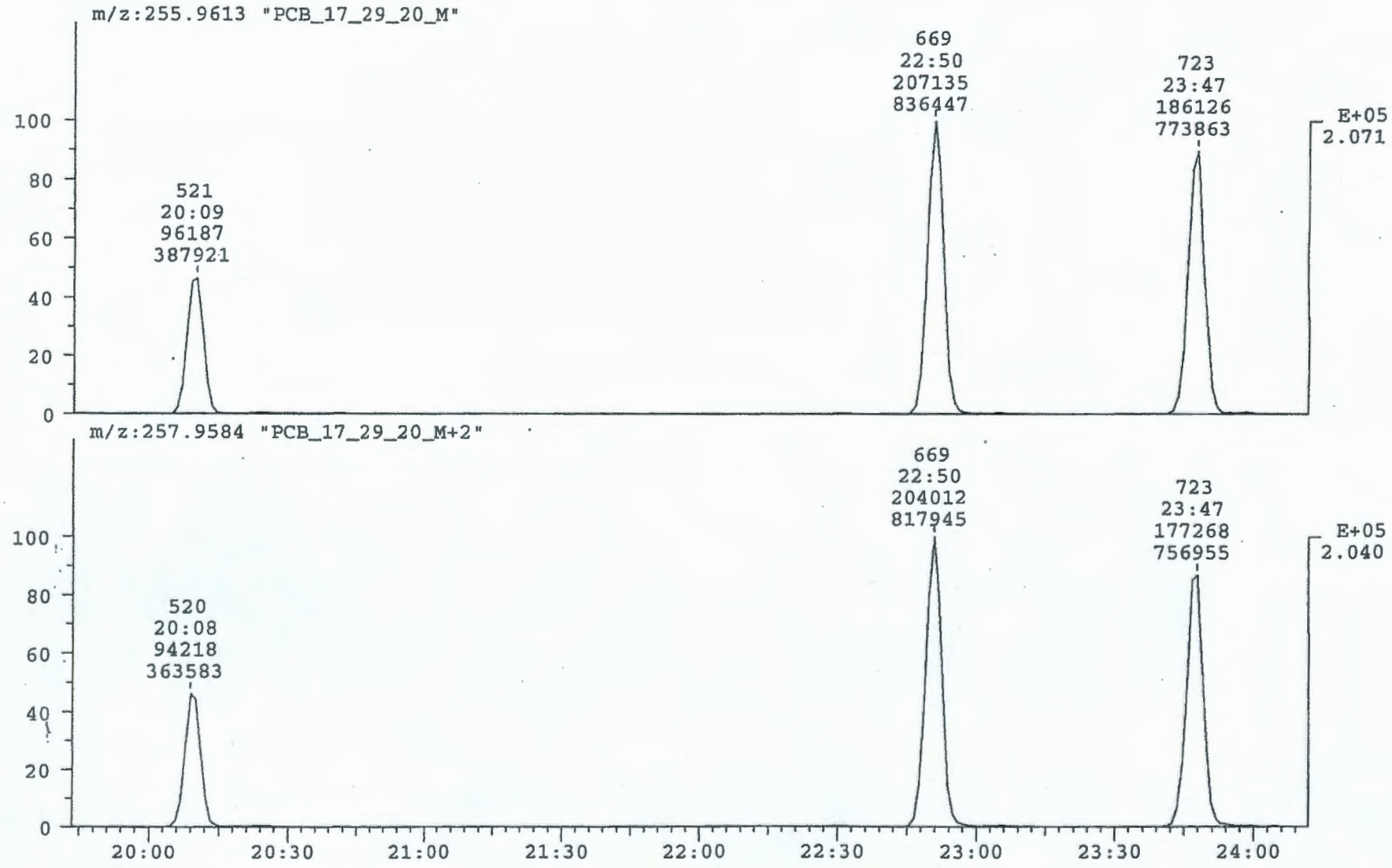
```
CHRO:  a07030733                                08-Mar-07  Elapse:  23:24.3      701
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  05:23:53    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run3
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial   5
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
```



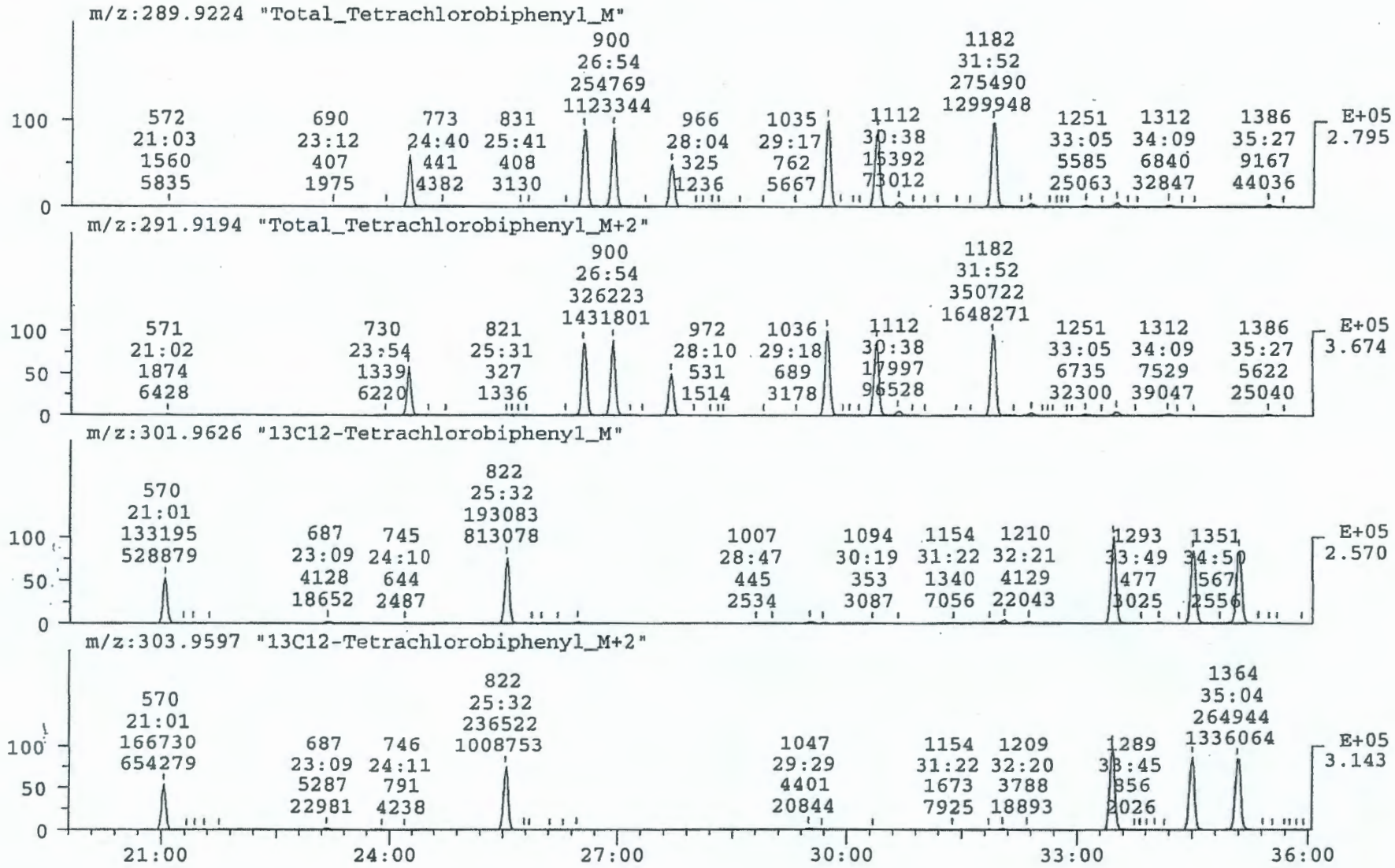
```
CHRO:  a07030733                                08-Mar-07   Elapse:  27:46.2      949
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
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
```



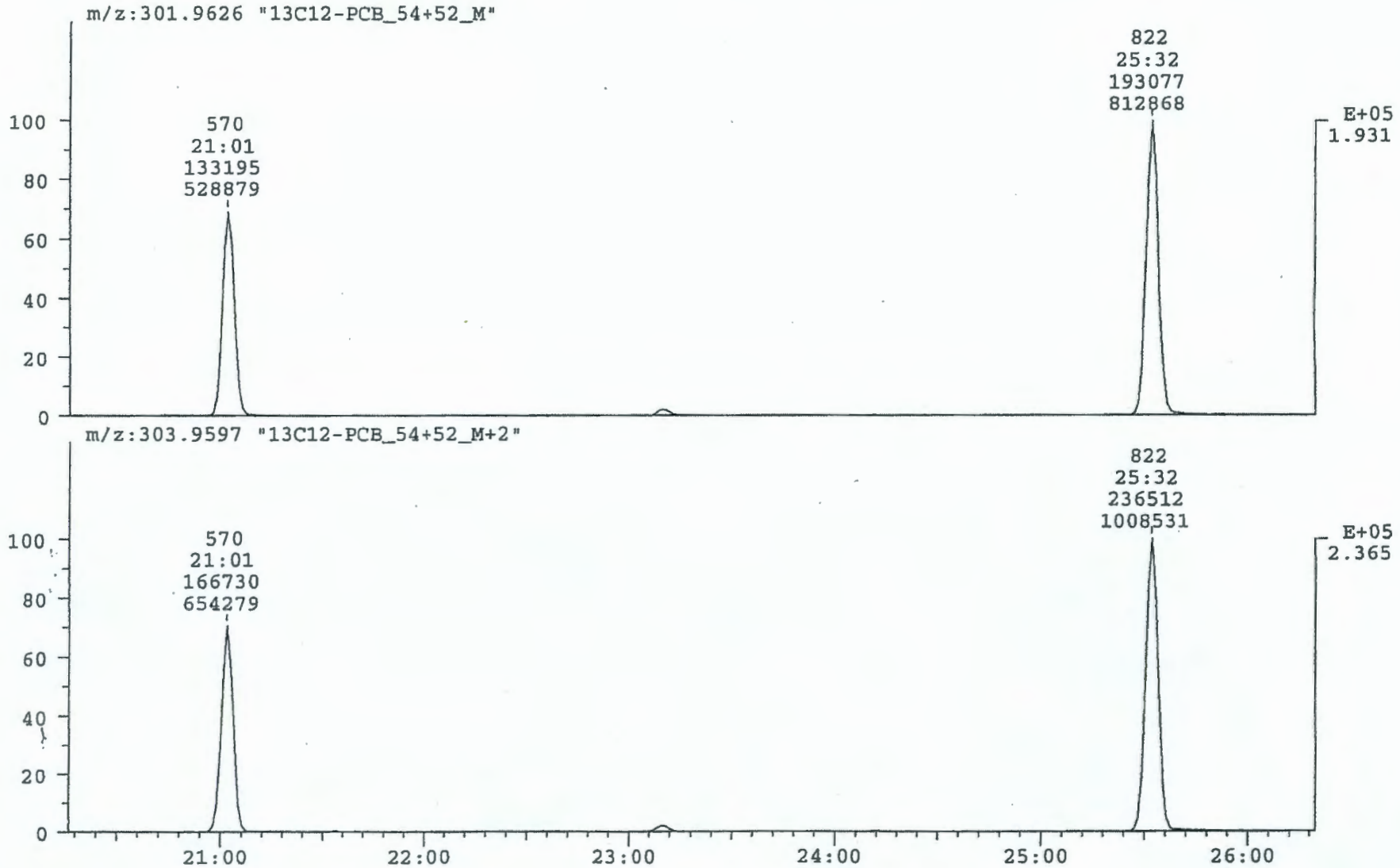
```
CHRO:  a07030733                                08-Mar-07   Elapse:  22:00.7     626
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   496 > 746             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



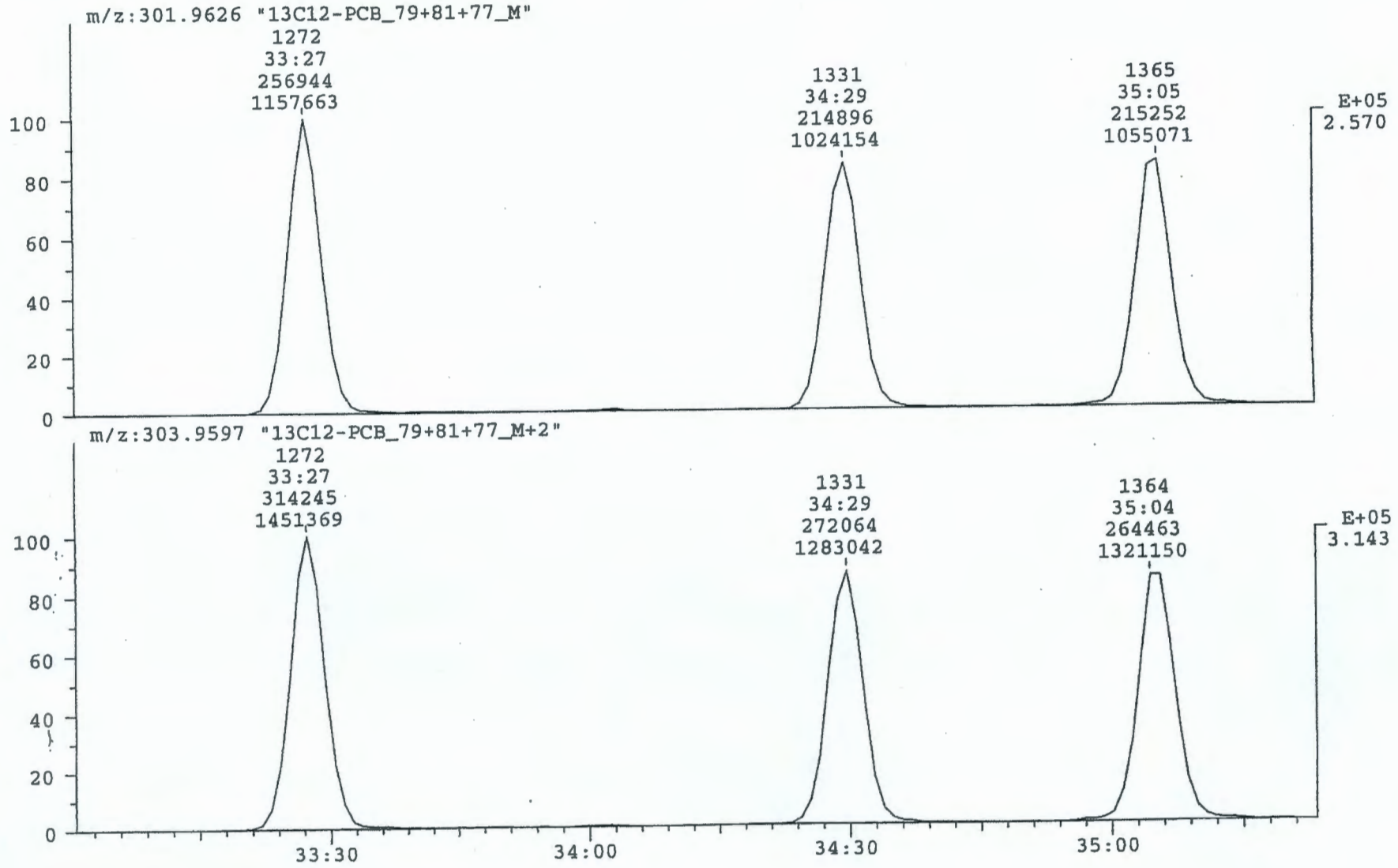
```
CHRO:  a07030733                                08-Mar-07   Elapse:  27:54.7      957
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
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
```



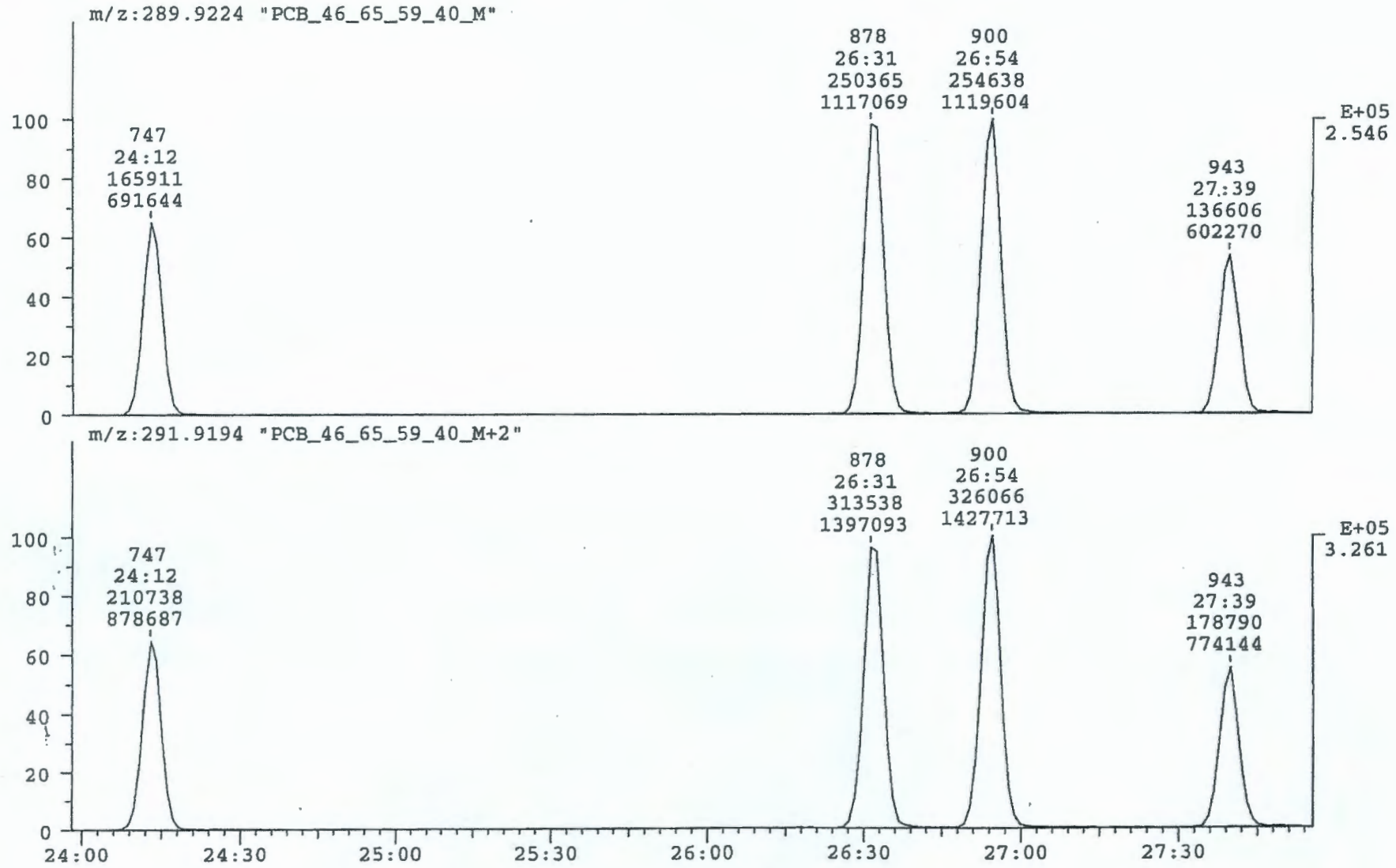
```
CHRO:  a07030733                                08-Mar-07   Elapse:  23:20.1      697
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
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
```



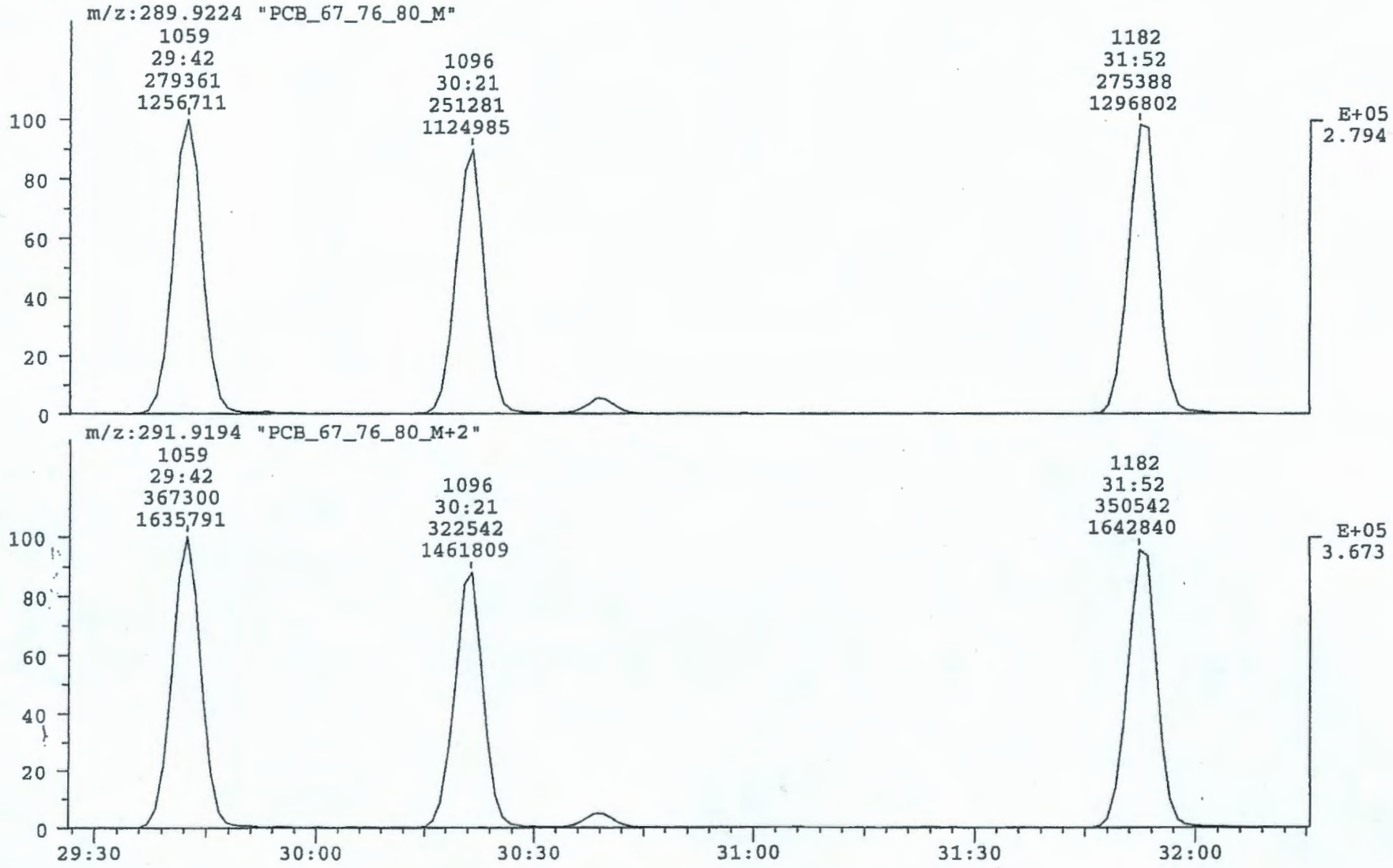
CHRO: a07030733 08-Mar-07 Elapse: 34:14 1317
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 05:23:53 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1247 > 1382 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



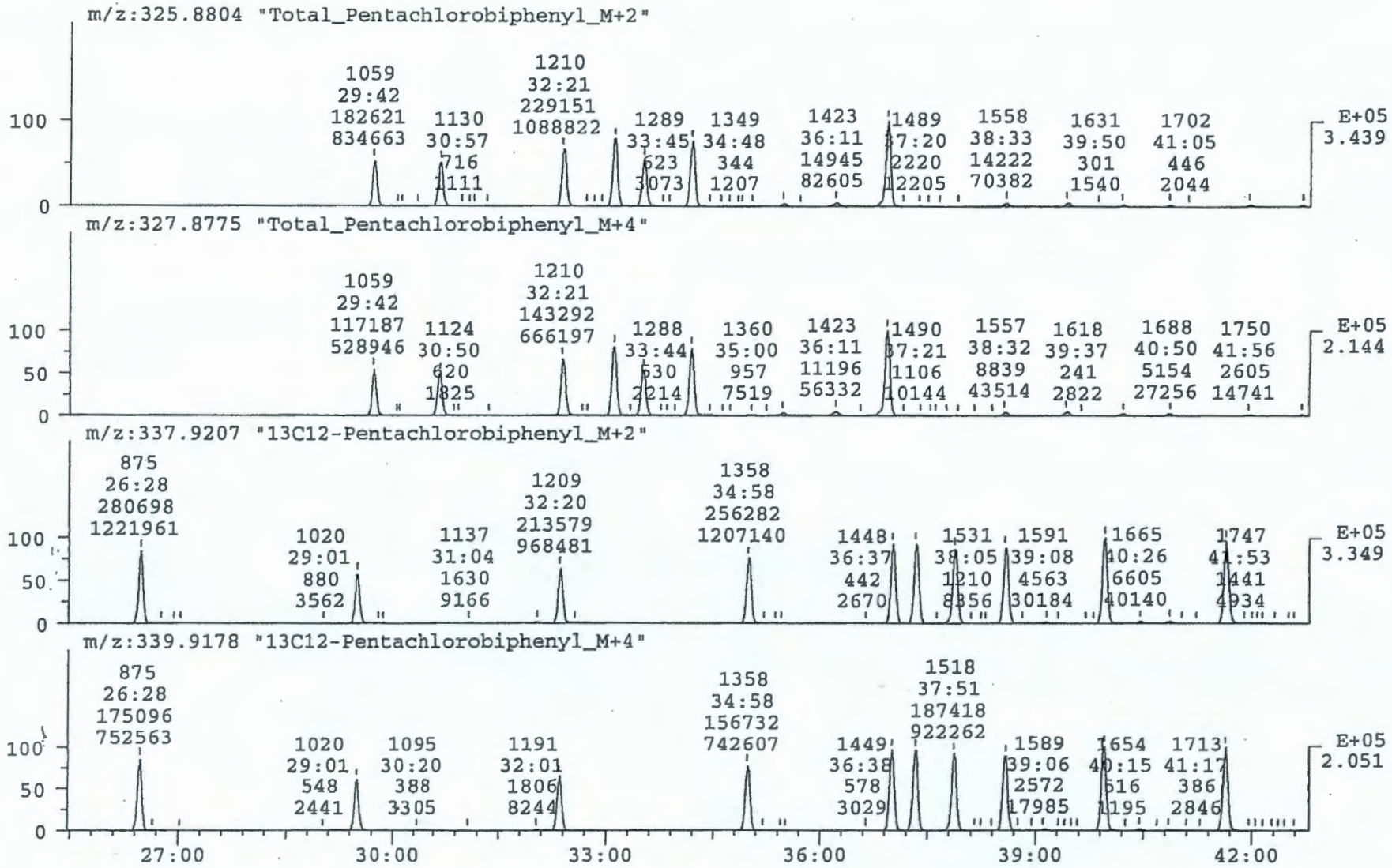
```
CHRO:  a07030733                                08-Mar-07   Elapse:  25:59.5     848
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   733 > 958             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



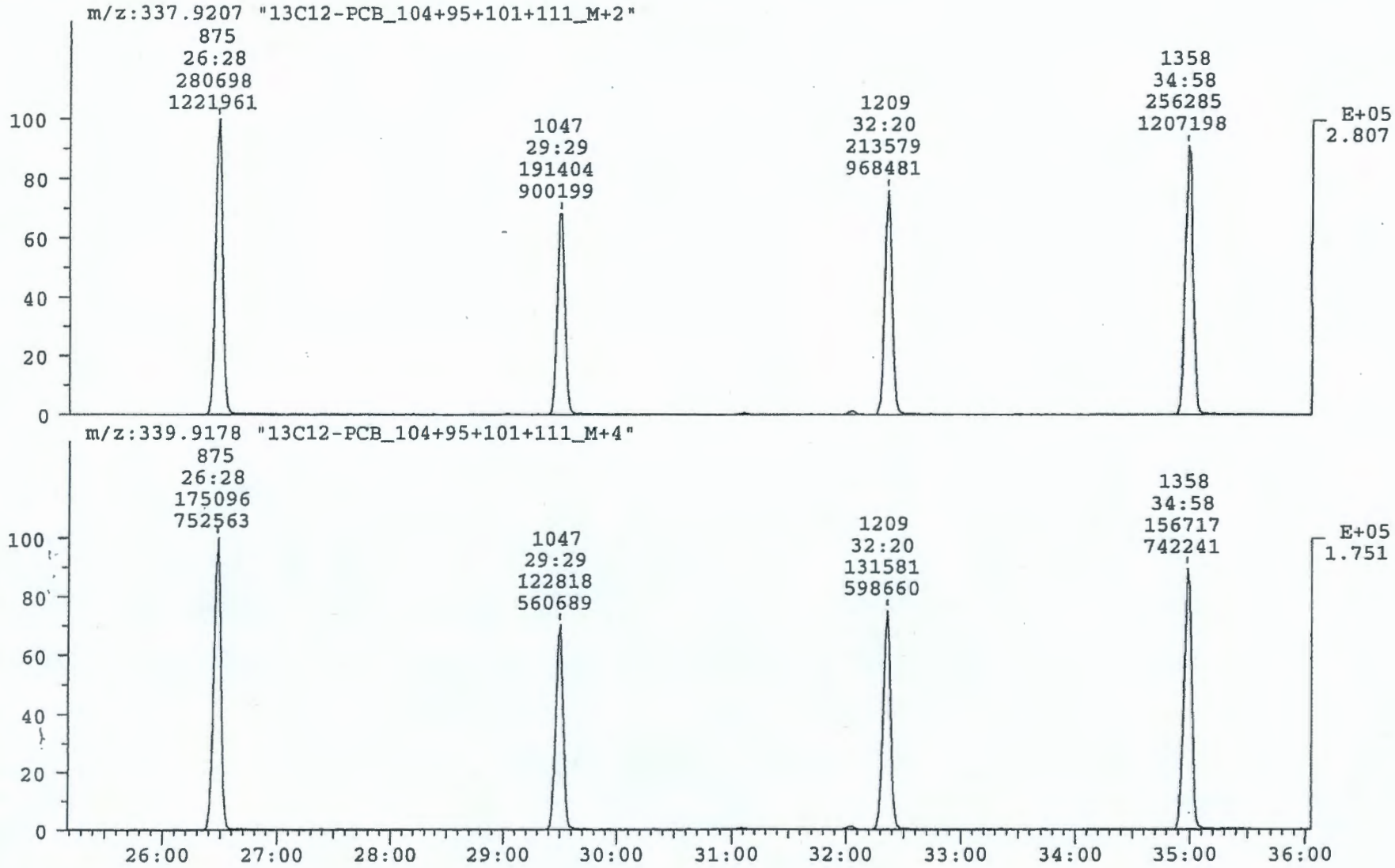
```
CHRO:  a07030733                                08-Mar-07  Elapse:  30:50      1124
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                Start :  05:23:53   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial  5
Peak:  100.00  ppm      Label wndw:   1044 > 1204          Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



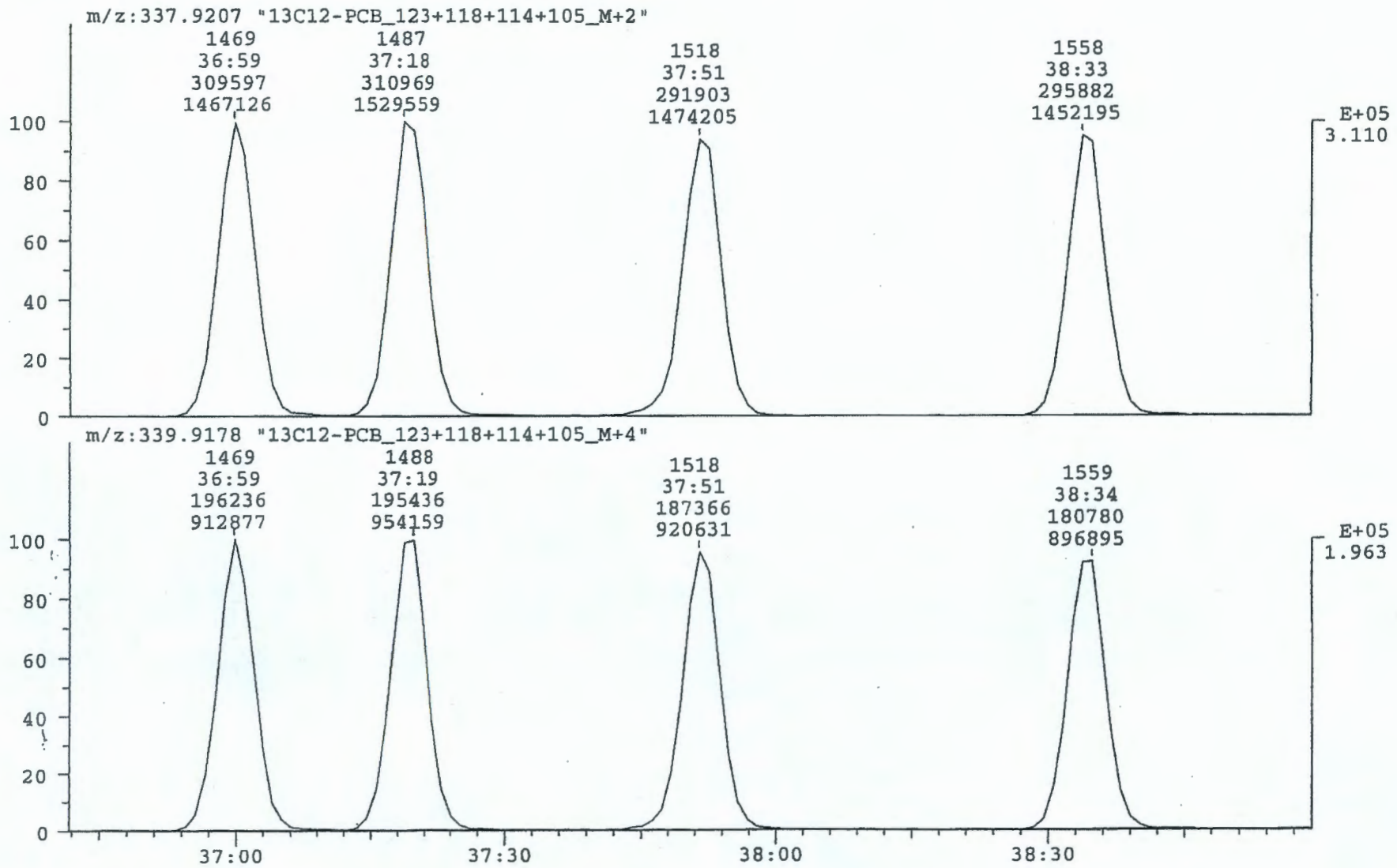
CHRO: a07030733 08-Mar-07 Elapse: 34:08 1311
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 05:23:53 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 818 > 1799 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



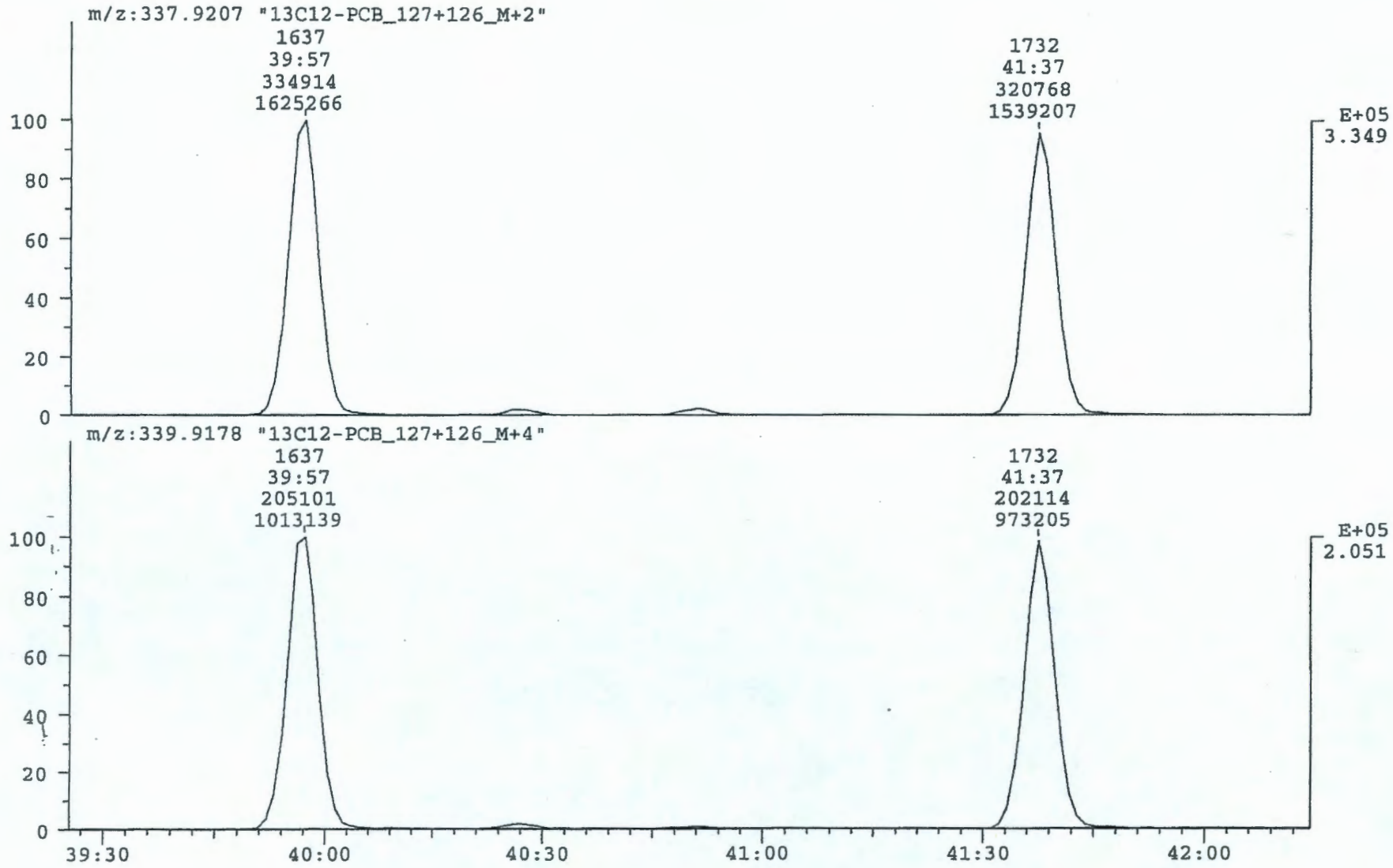
```
CHRO:  a07030733                                08-Mar-07   Elapse:  30:37      1111
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  5
Peak:  100.00  ppm      Label wndw:   802 > 1419            Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



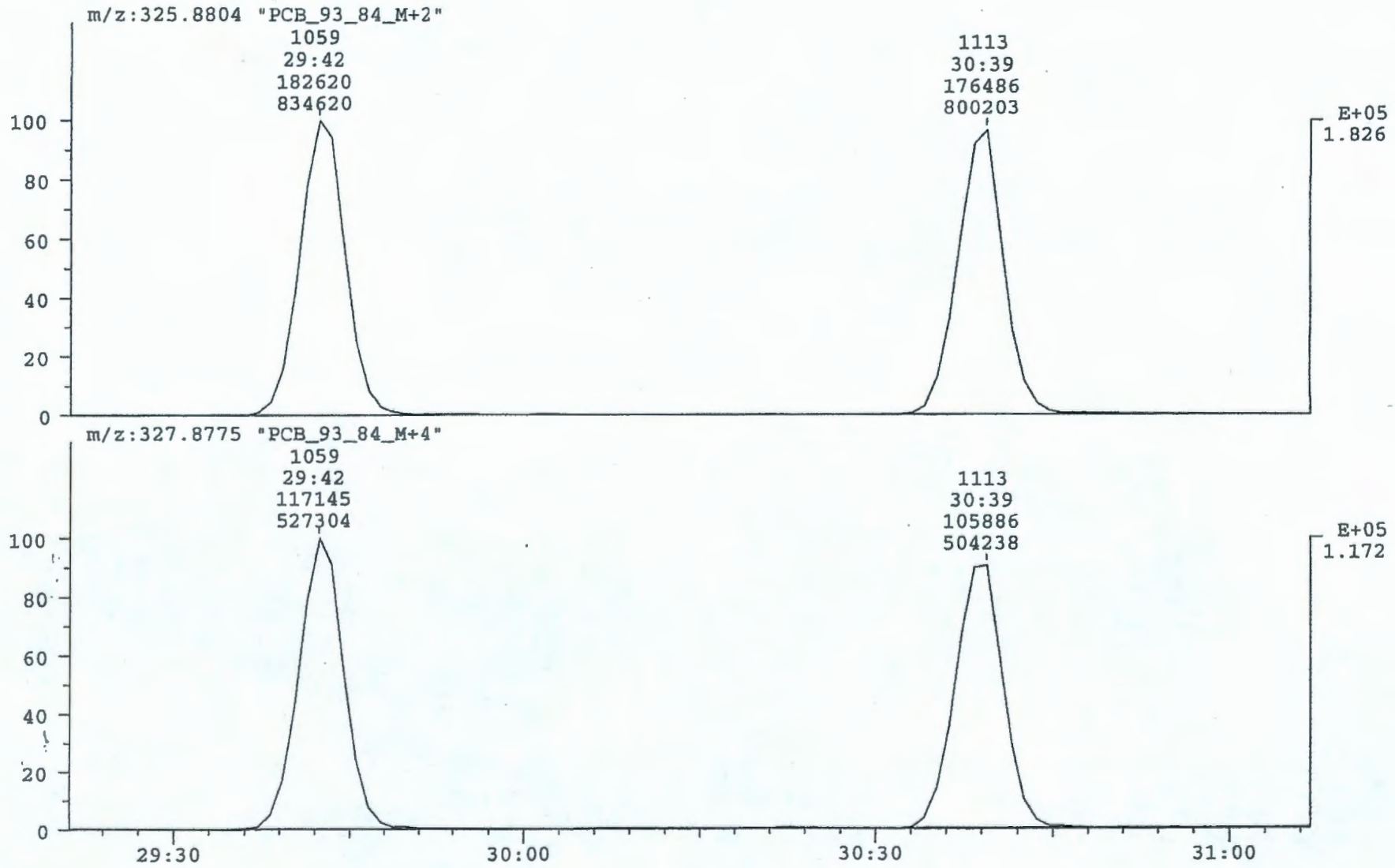
CHRO: a07030733 08-Mar-07 Elapse: 37:50 1517
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 05:23:53 2602
Comm: Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1452 > 1582 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



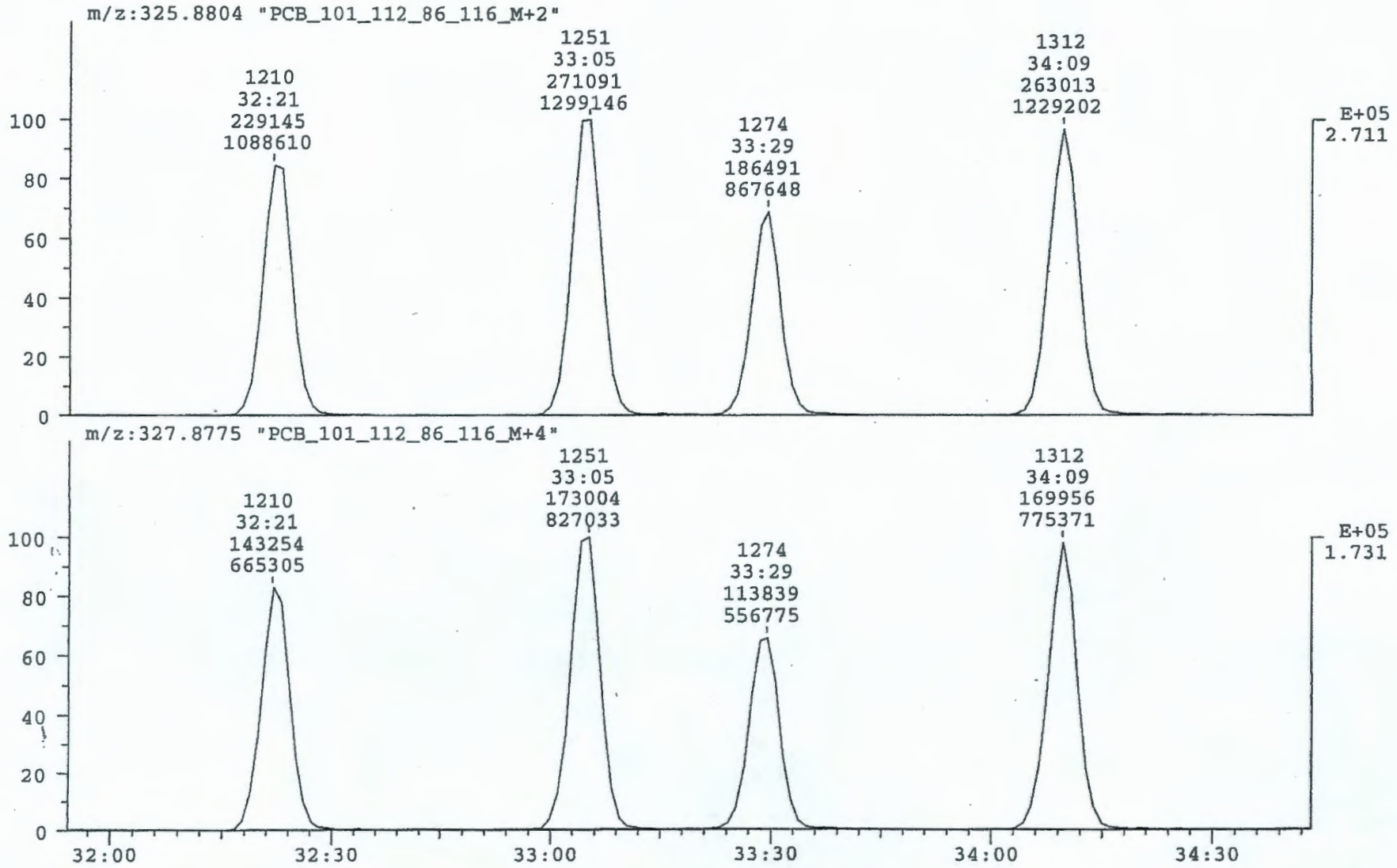
```
CHRO:  a07030733                                08-Mar-07  Elapse:  40:49      1687
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  05:23:53   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run3
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  5
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
```



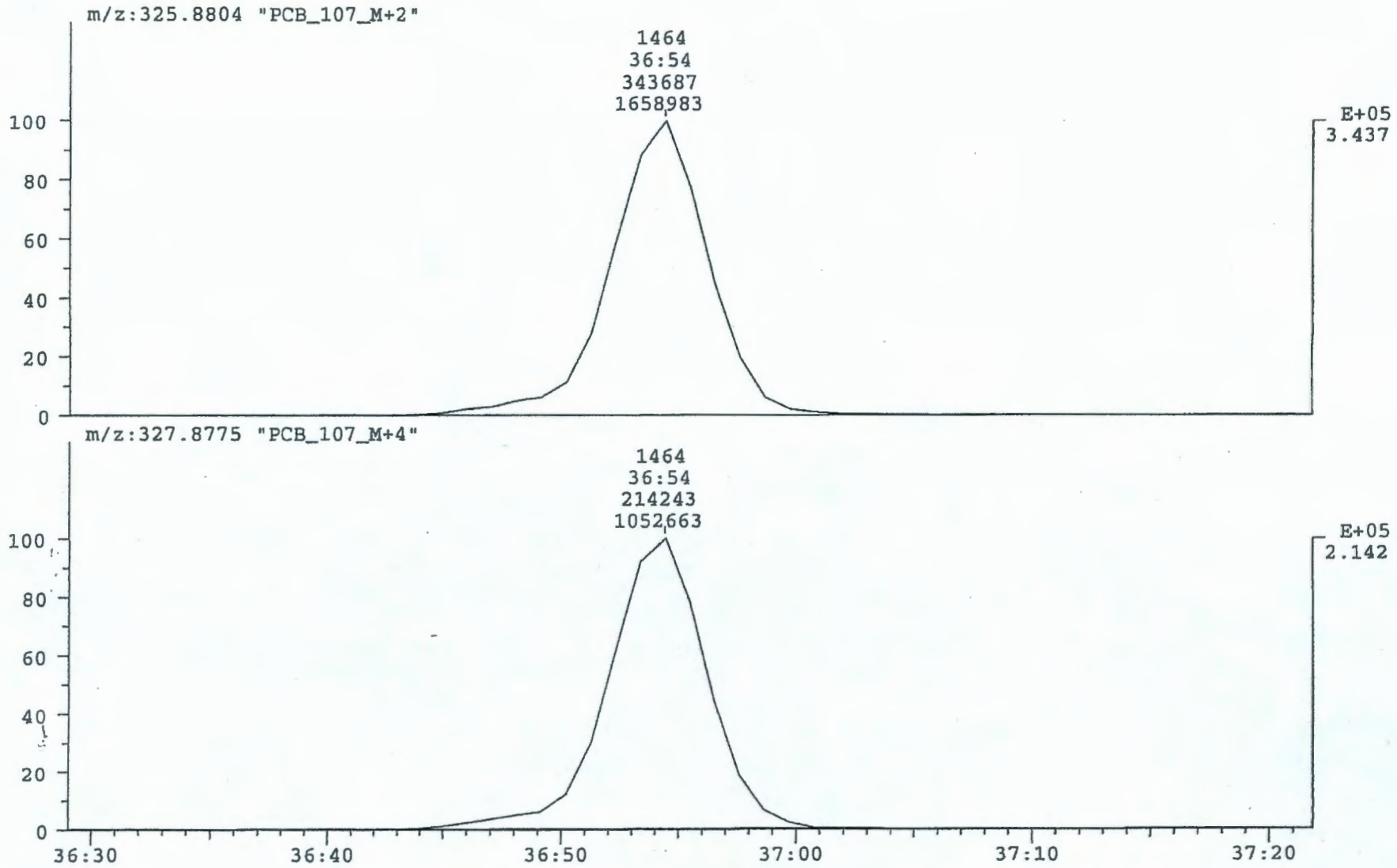
```
CHRO:  a07030733                                08-Mar-07   Elapse:  30:14      1089
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   1039 > 1139           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



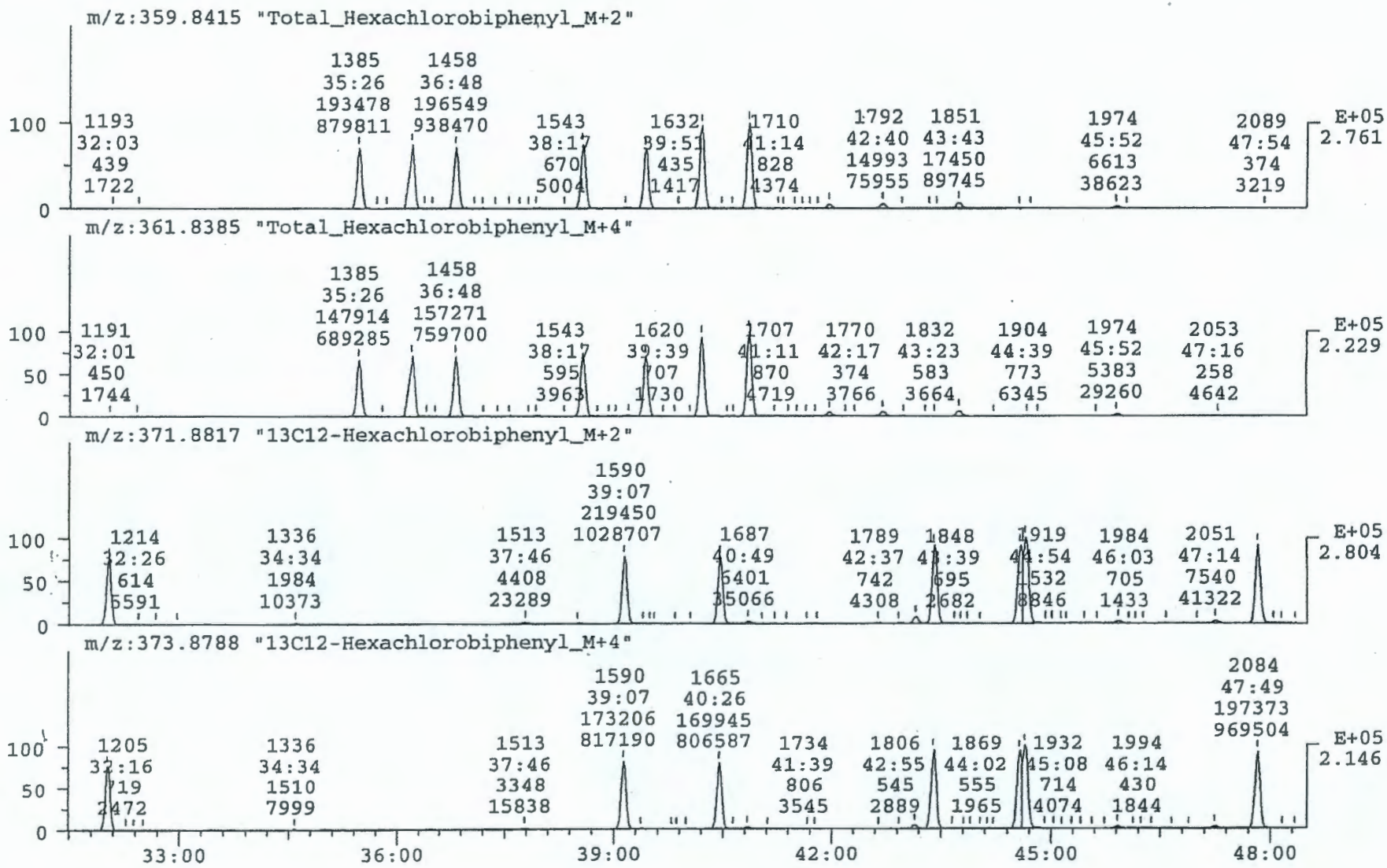
```
CHRO:  a07030733                                08-Mar-07  Elapse:  33:18      1264
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  05:23:53   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run3
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  5
Peak:  100.00  ppm     Label wndw:   1184 > 1344          Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3               Label :  -3, 3.0
Disp:  Height  Area
```



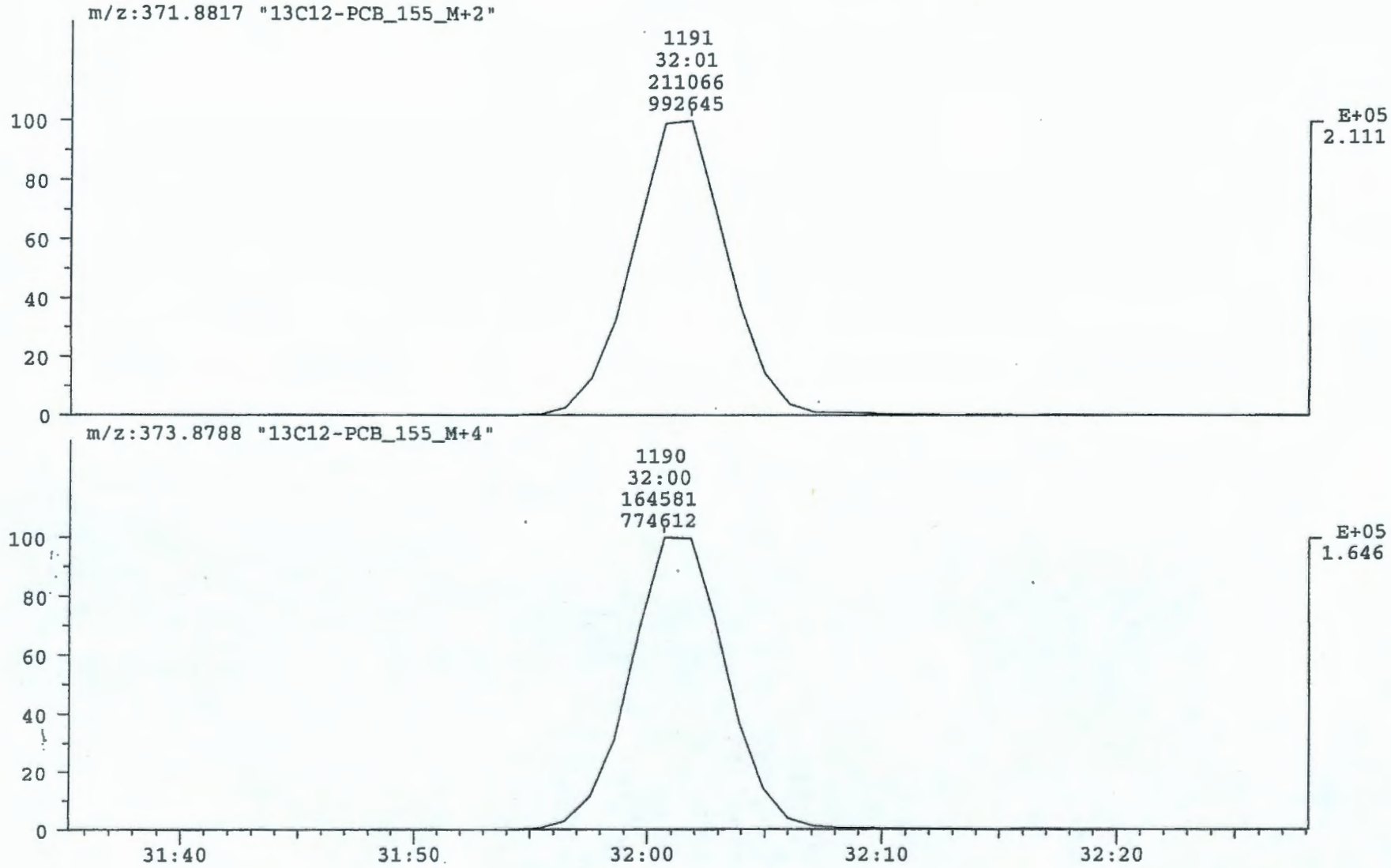
```
CHRO:  a07030733                                08-Mar-07   Elapse:  36:55      1465
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   1440 > 1490           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



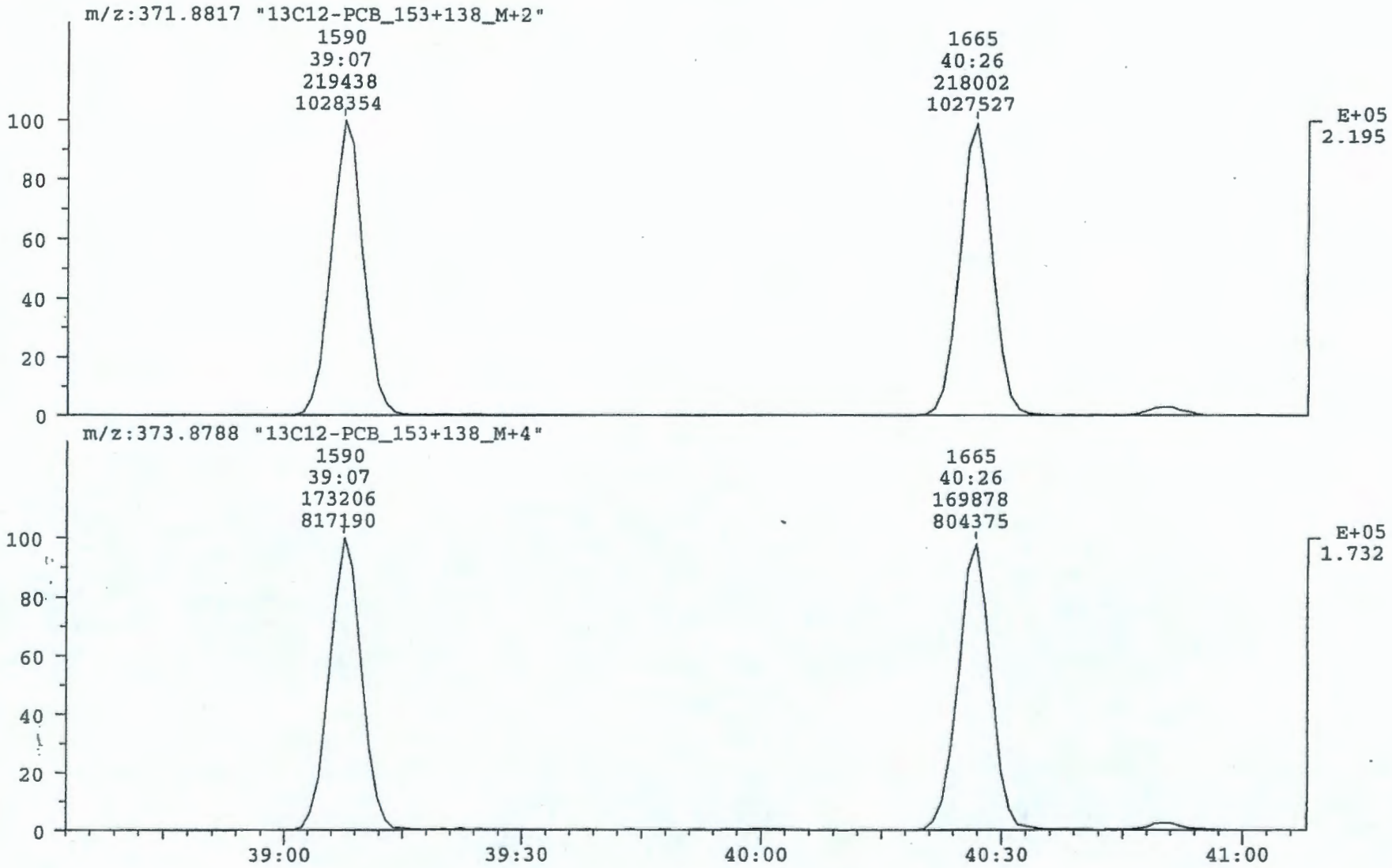
```
CHRO:  a07030733                                08-Mar-07   Elapse:  39:59      1639
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  5
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
```



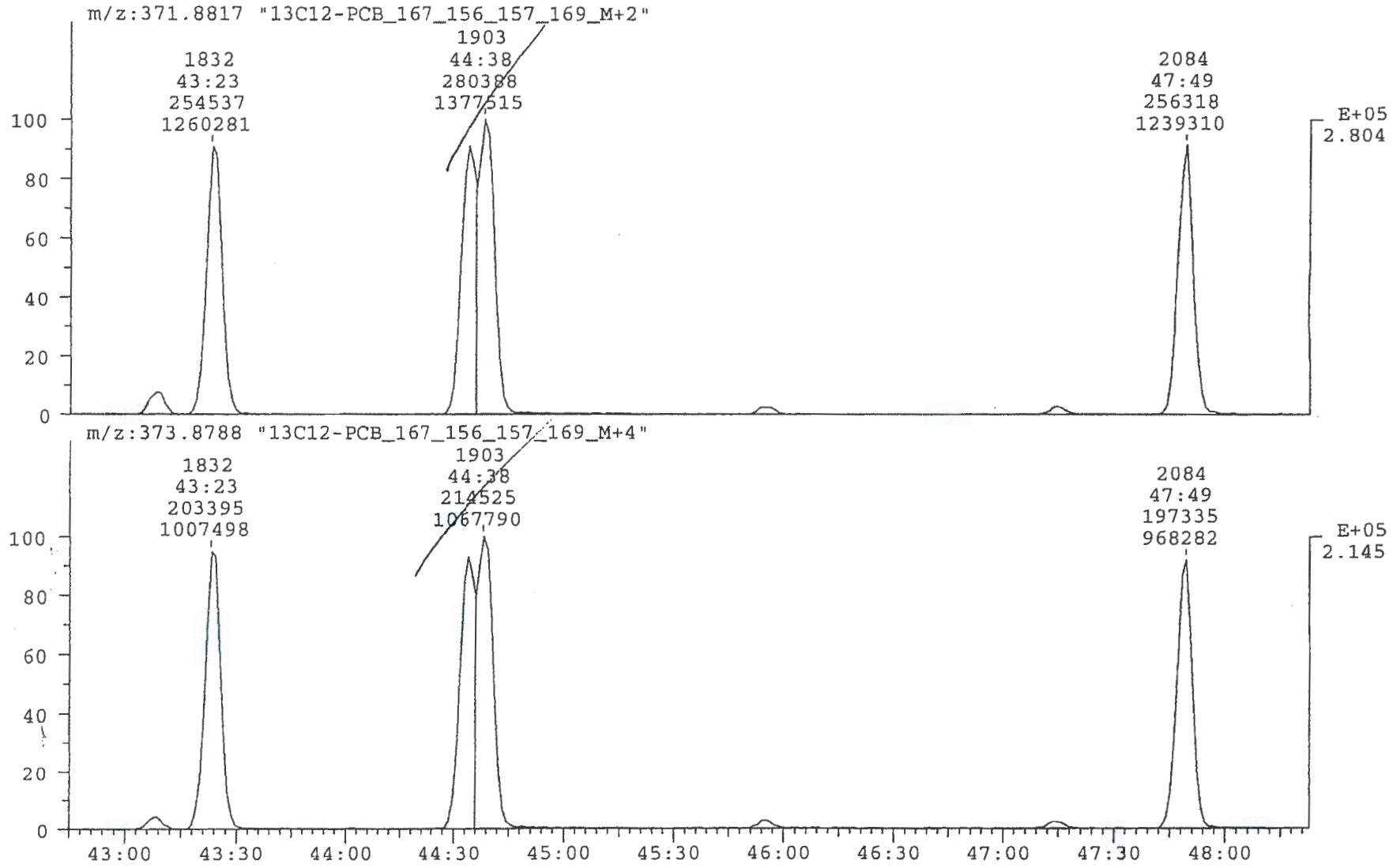
```
CHRO:  a07030733                                08-Mar-07  Elapse:  32:01      1191
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1               Start :  05:23:53   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix3/Run3
Oper:  DCG          Client:  STL Knoxville                Inlet :  GC     Vial  5
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
```



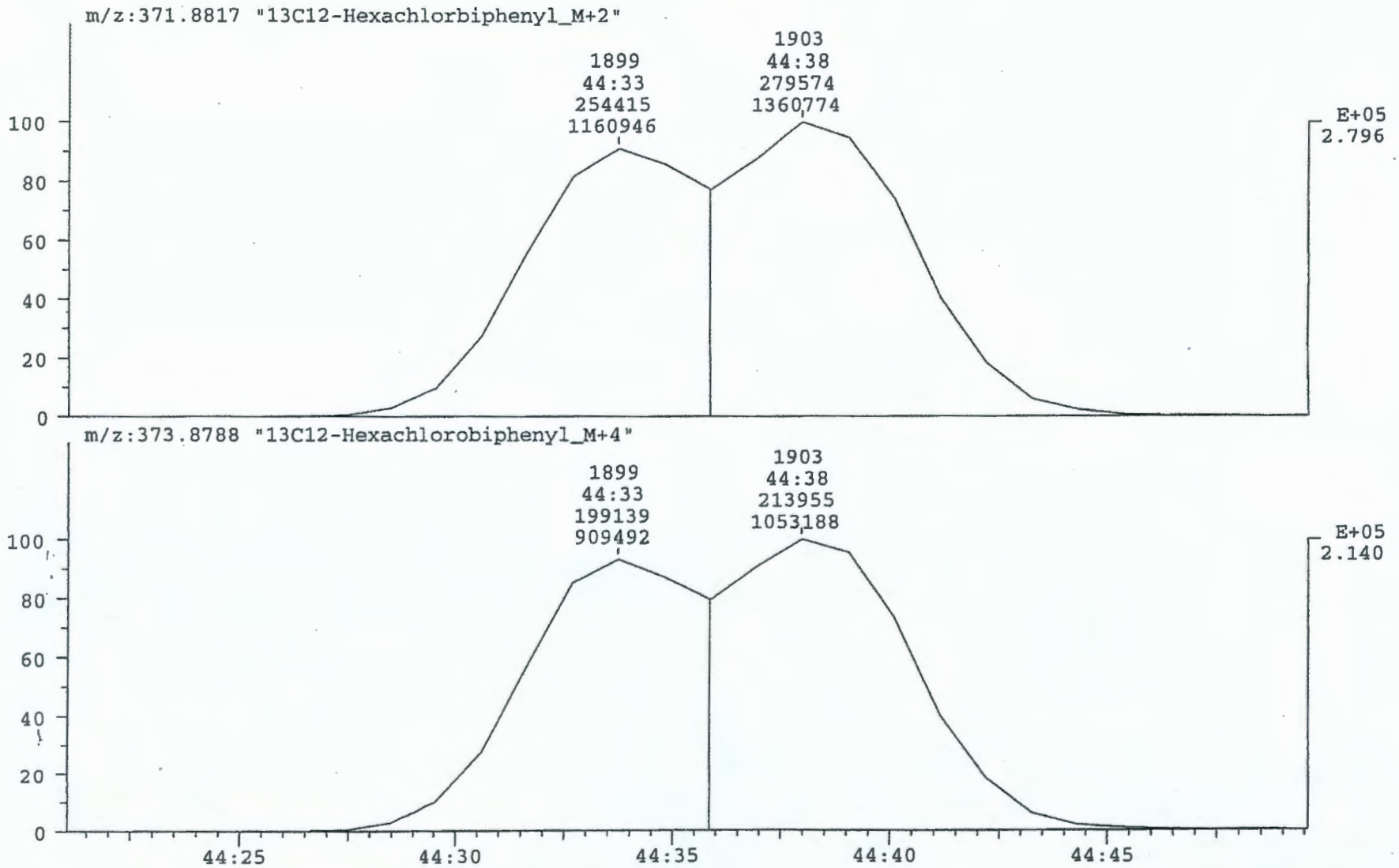
```
CHRO:  a07030733                                08-Mar-07   Elapse:  39:49      1630
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   5
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
```



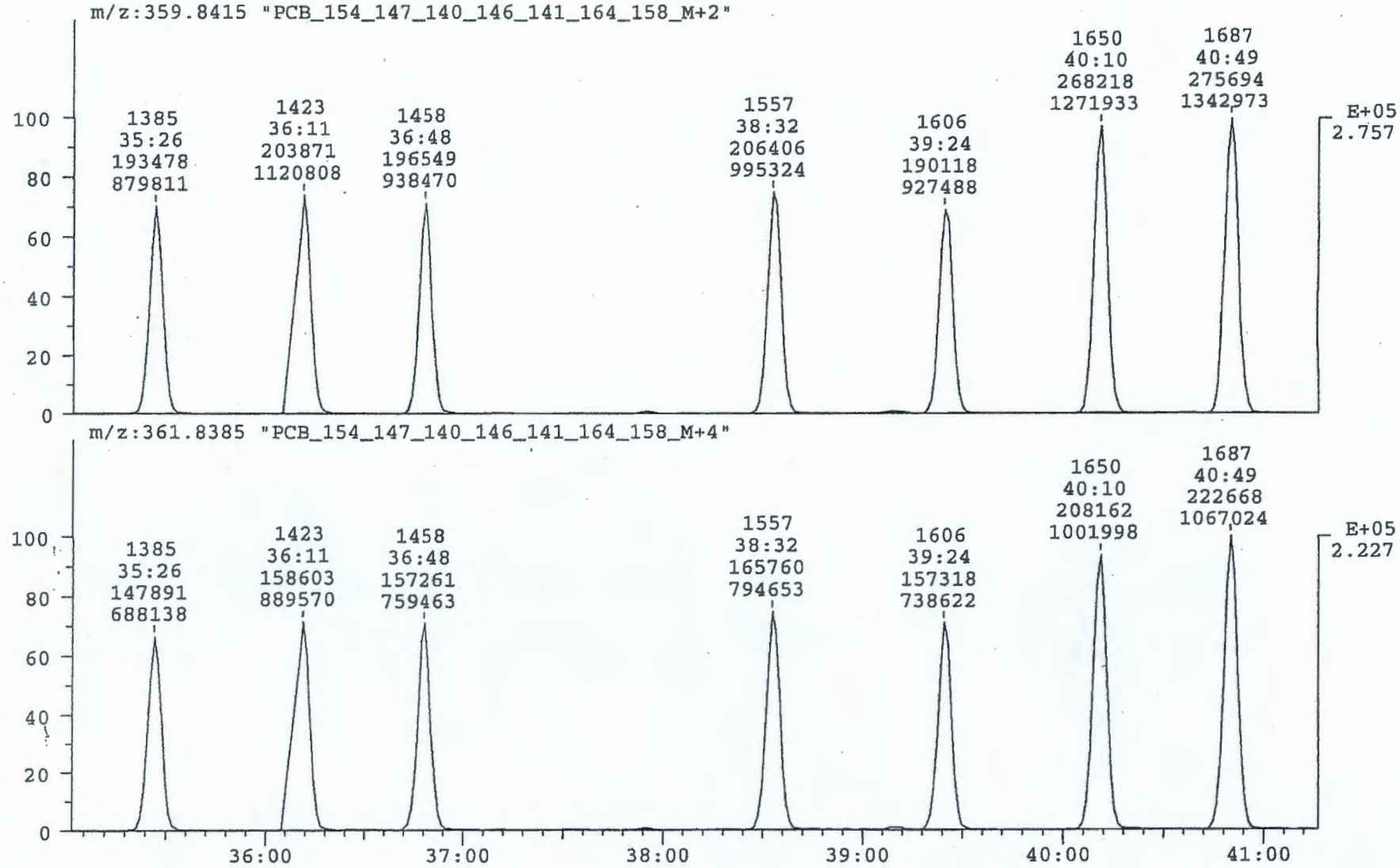
CHRO: a07030733 08-Mar-07 Elapse: 45:39 1961
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 05:23:53 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1796 > 2116 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



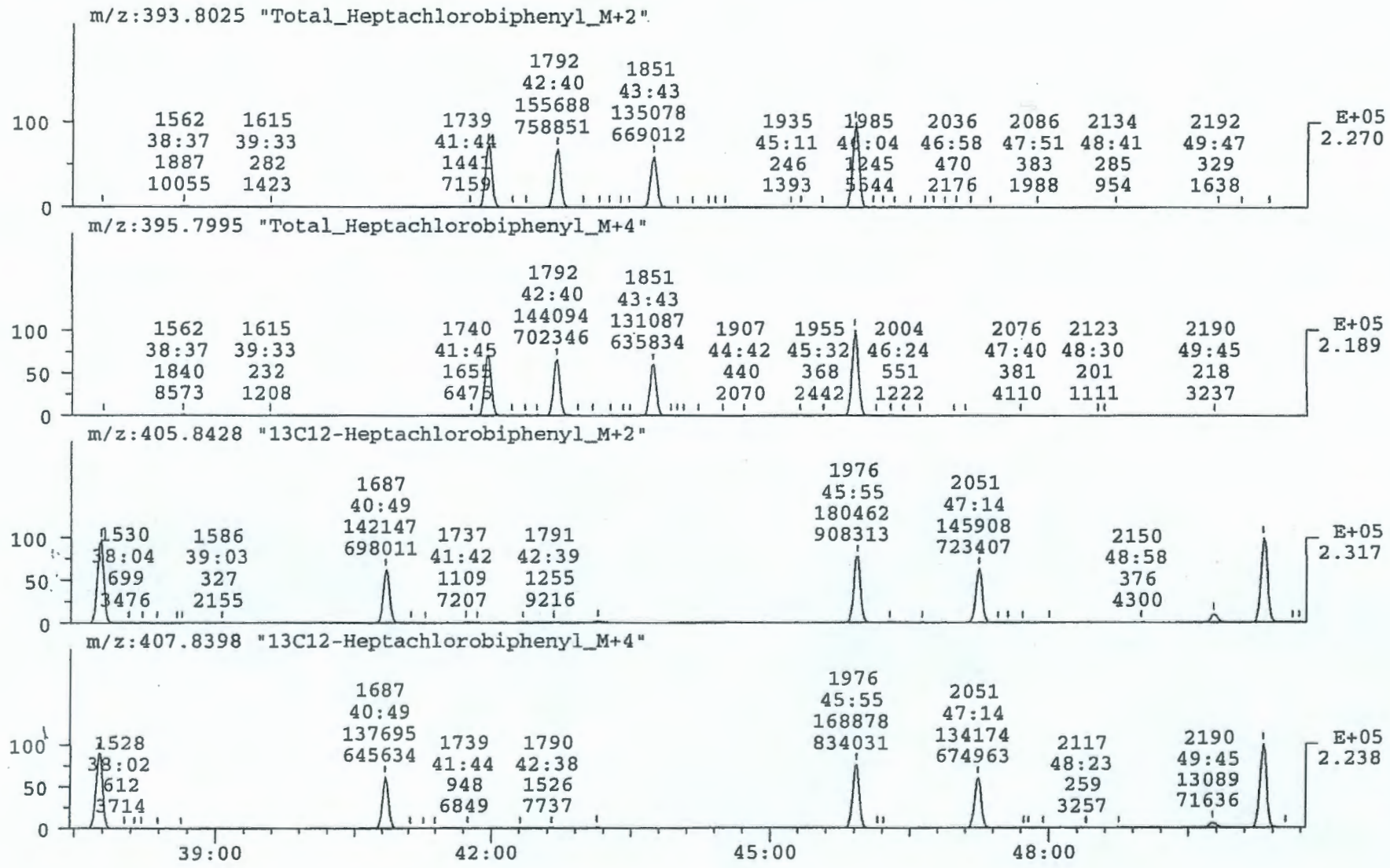
```
CHRO:  a07030733                                08-Mar-07   Elapse:  56:11      2555
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  5
Peak:  100.00  ppm     Label wndw:   1887 > 1914            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



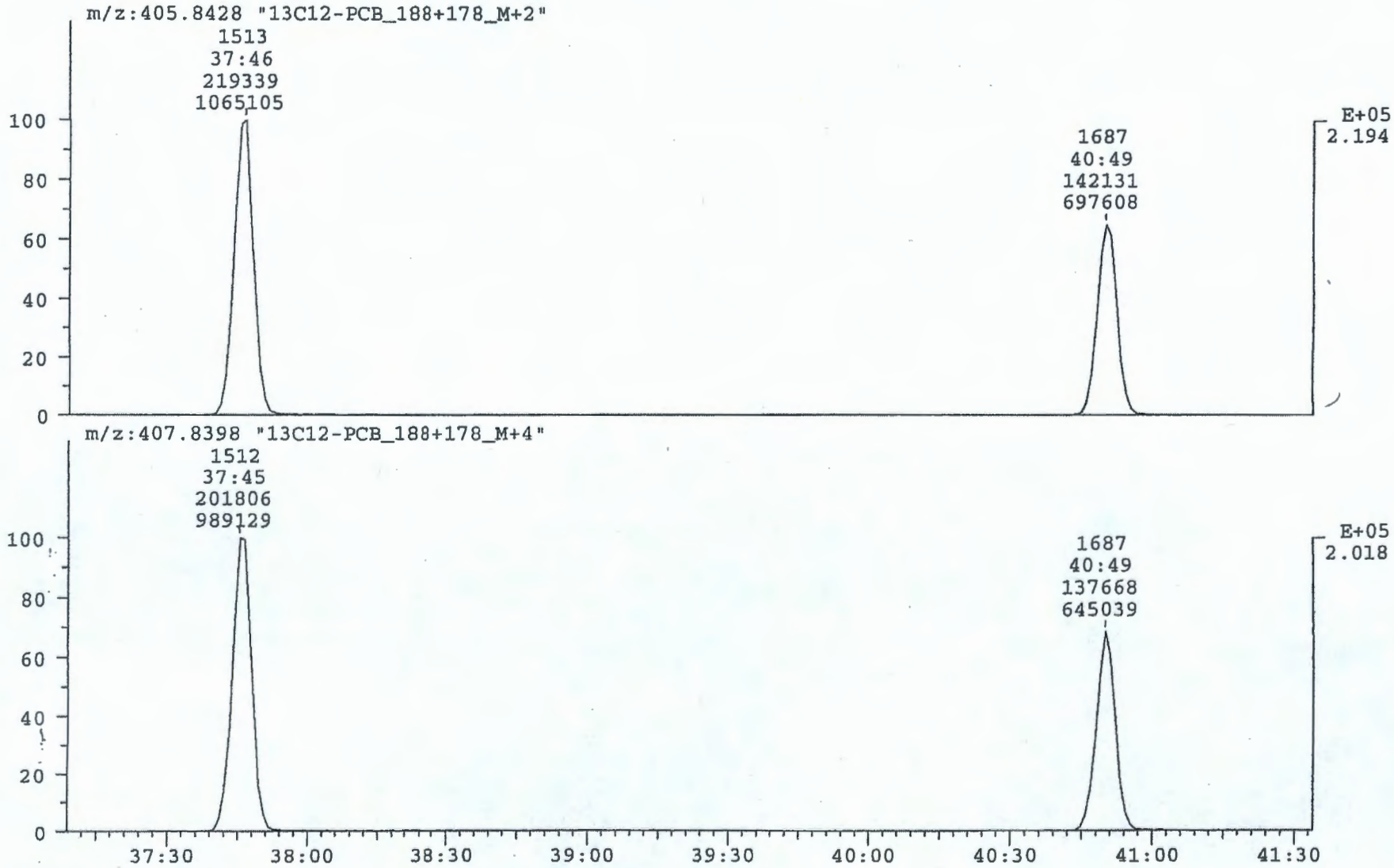
CHRO: a07030733 08-Mar-07 Elapse: 38:11 1537
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 05:23:53 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1362 > 1712 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



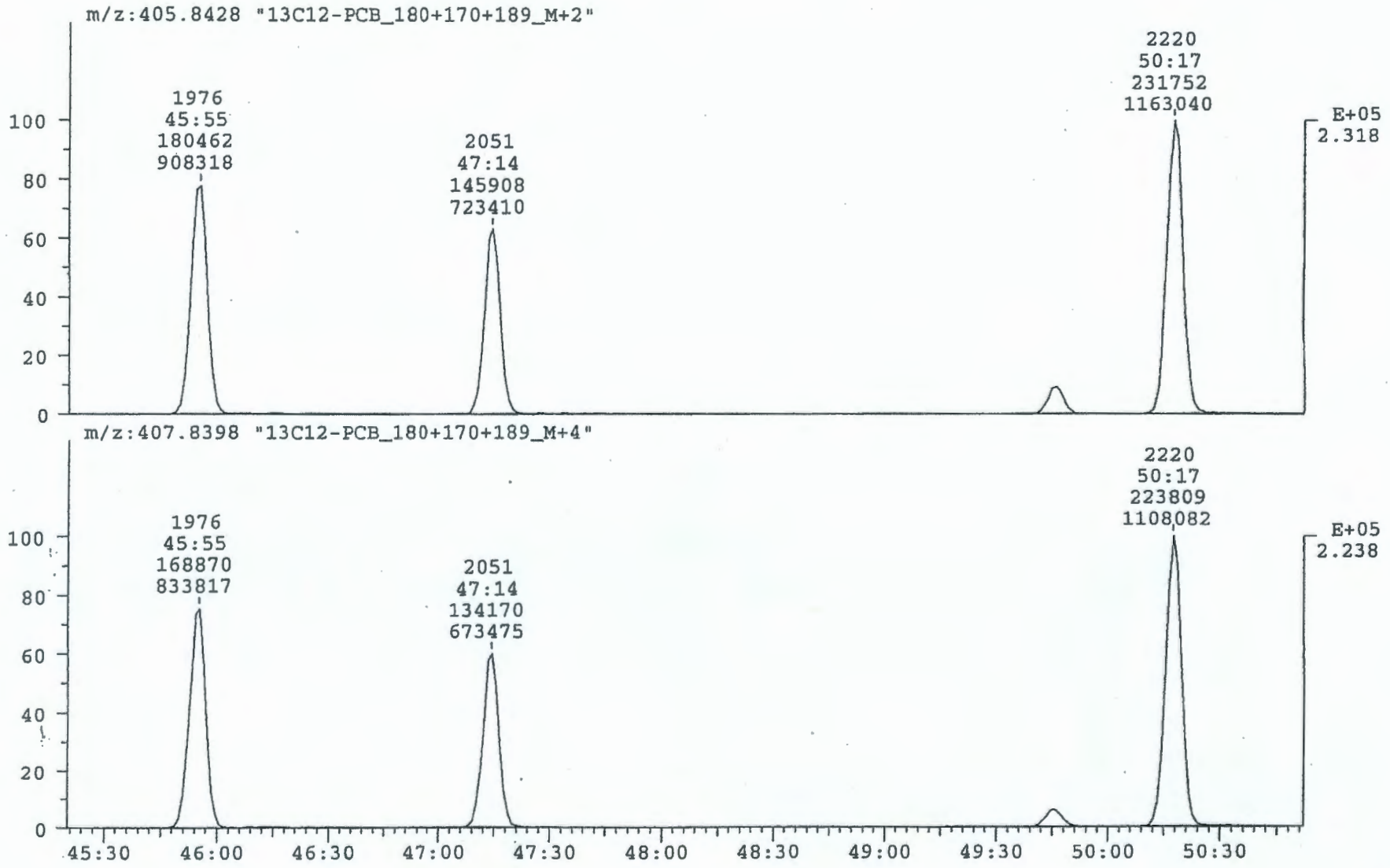
CHRO: a07030733 08-Mar-07 Elapse: 44:06 1873
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 05:23:53 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1495 > 2246 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



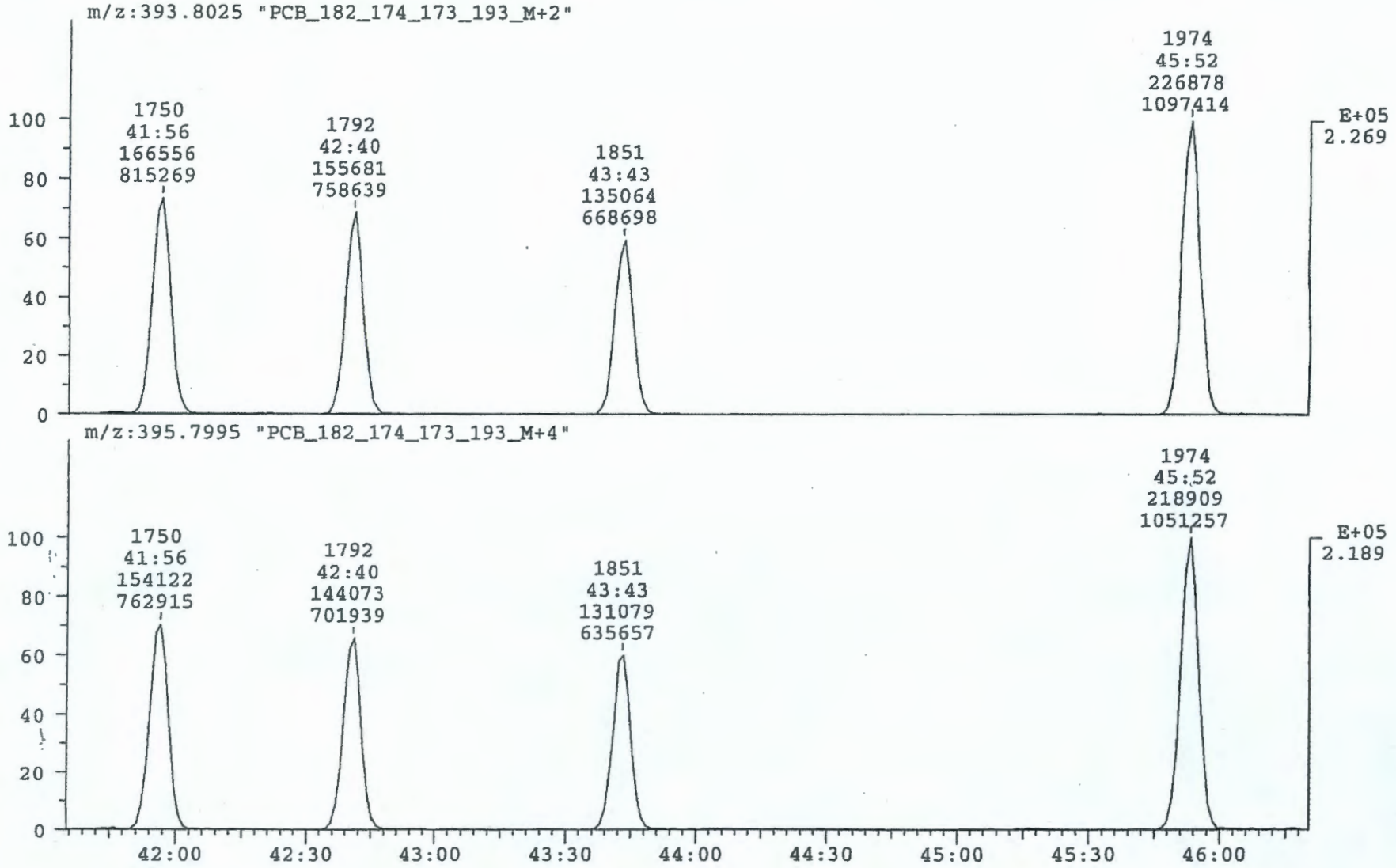
```
CHRO:  a07030733                                08-Mar-07   Elapse:  39:21      1603
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial  5
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
```



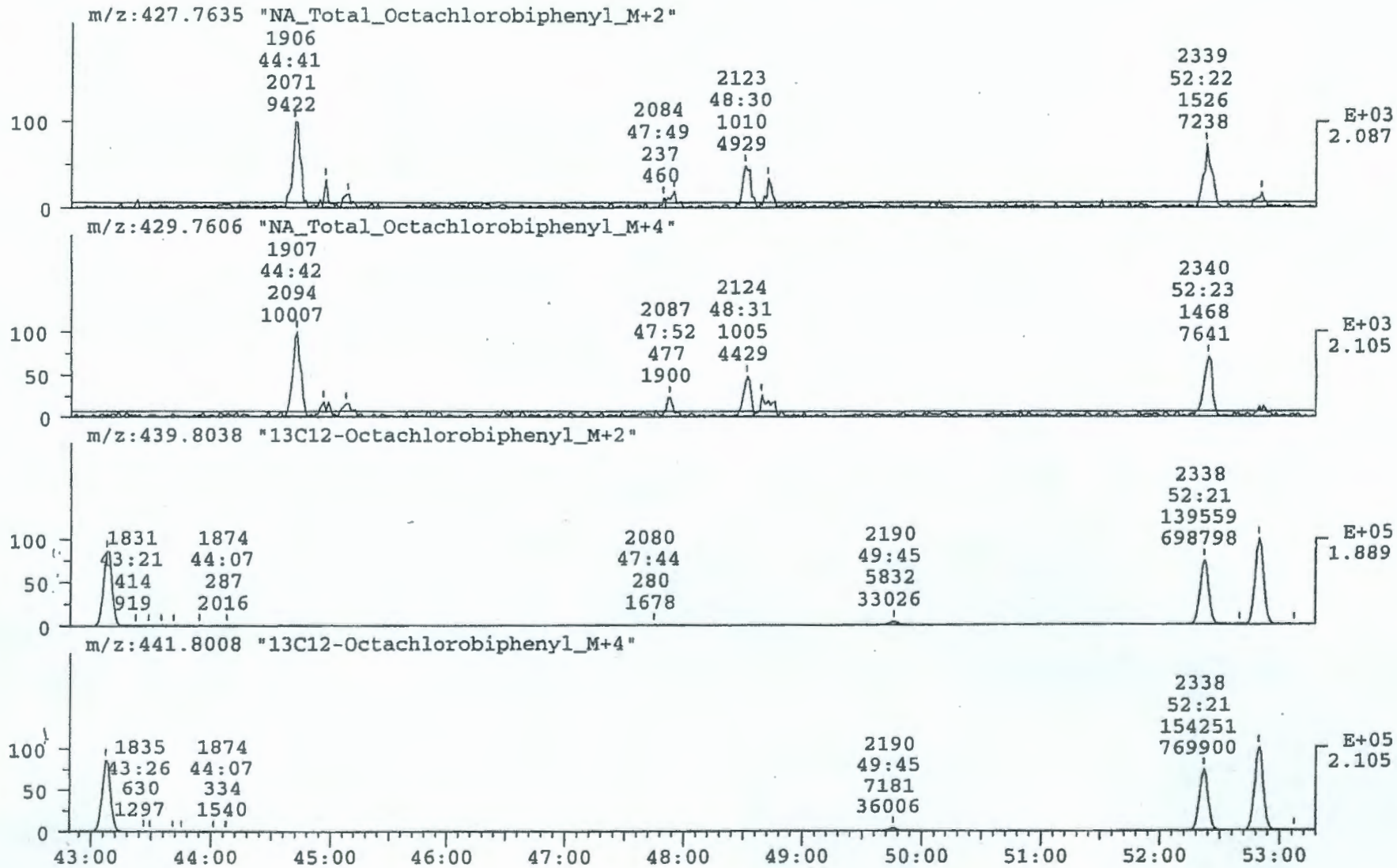
```
CHRO:  a07030733                                08-Mar-07   Elapse:  48:09      2103
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53   2602
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  5
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
```



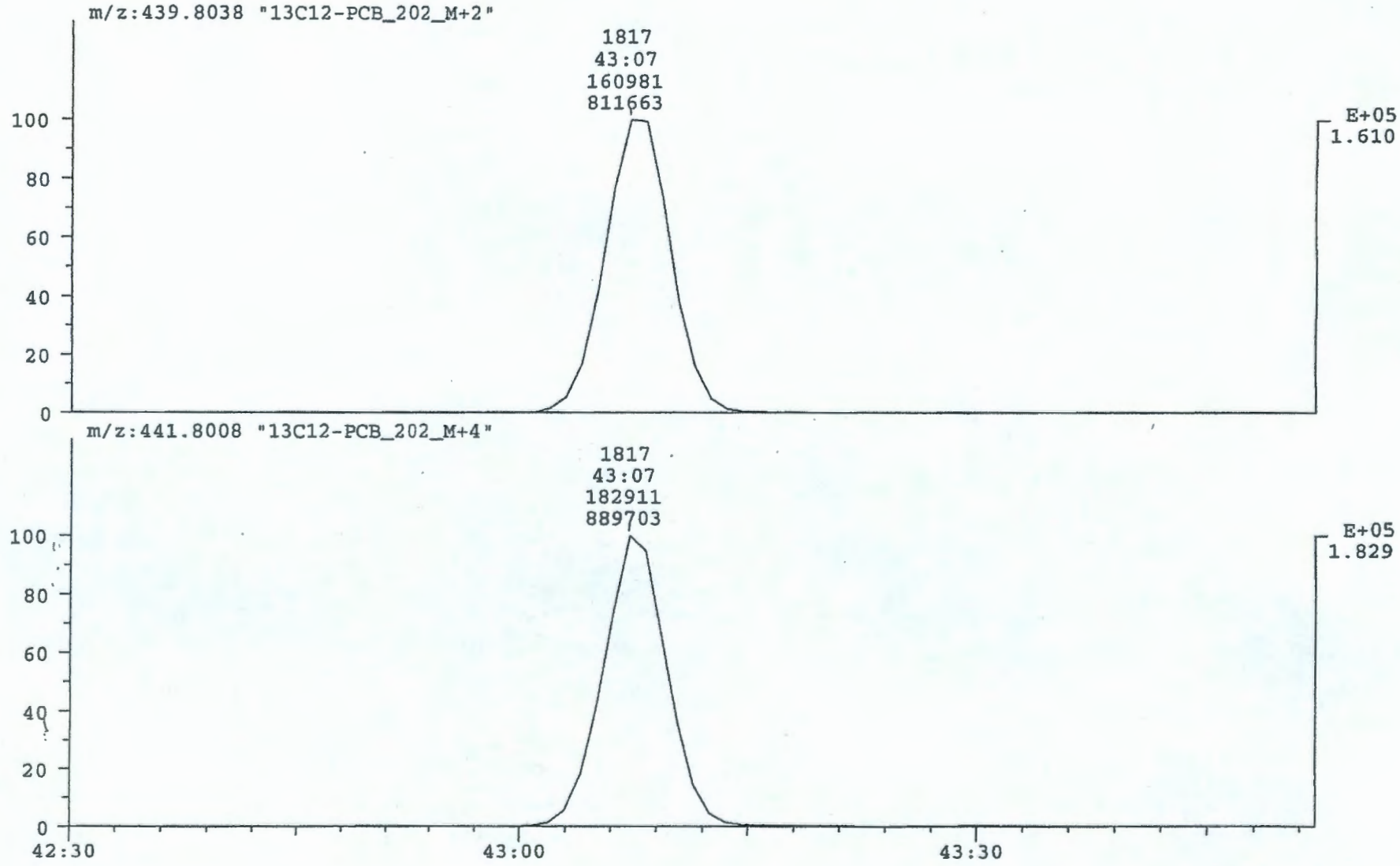
CHRO: a07030733 08-Mar-07 Elapse: 43:57 1865
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 05:23:53 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 1730 > 2000 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



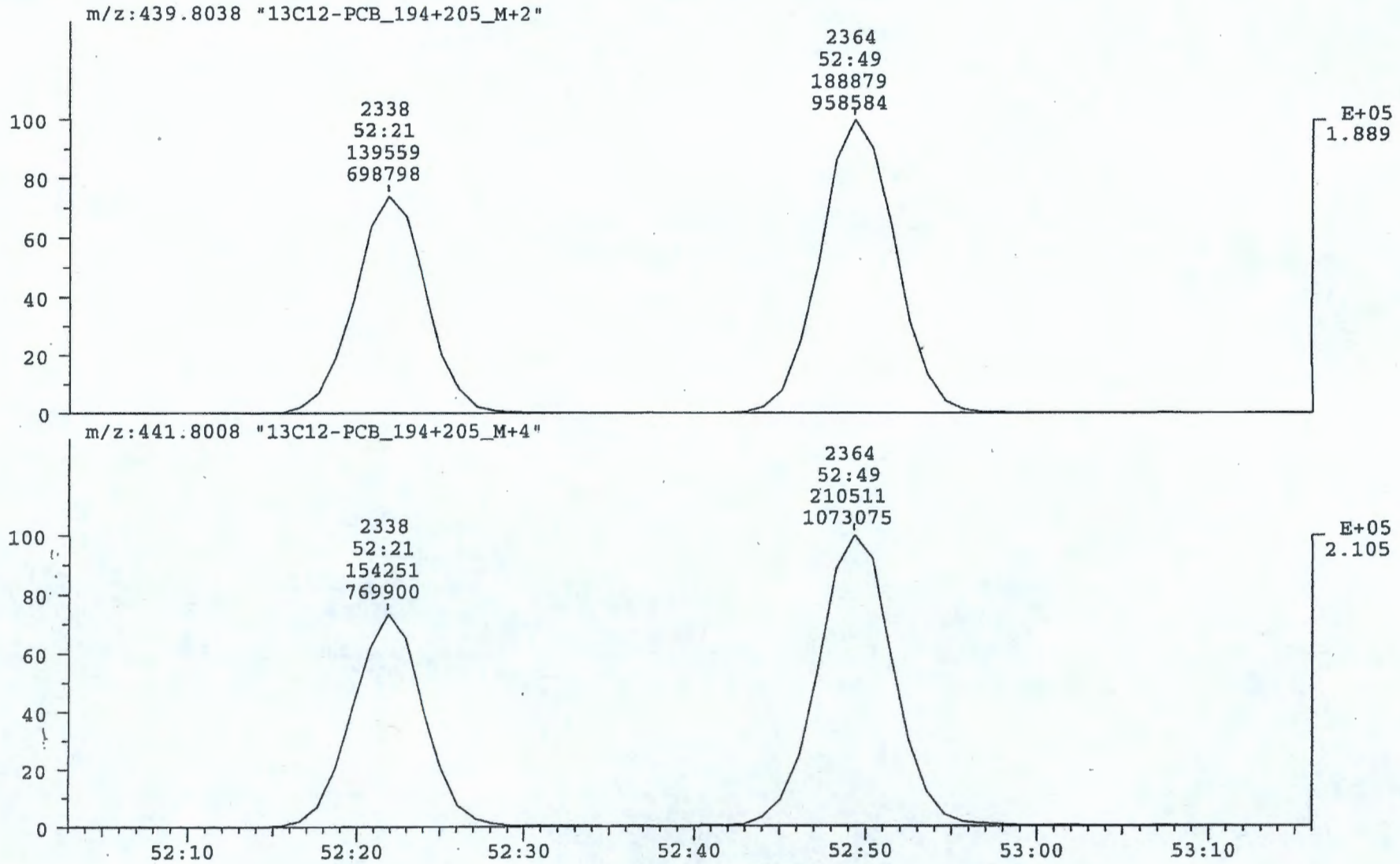
```
CHRO:  a07030733                                08-Mar-07  Elapse:  48:02      2097
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                Start :  05:23:53   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                           Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville               Inlet :  GC     Vial  5
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
```



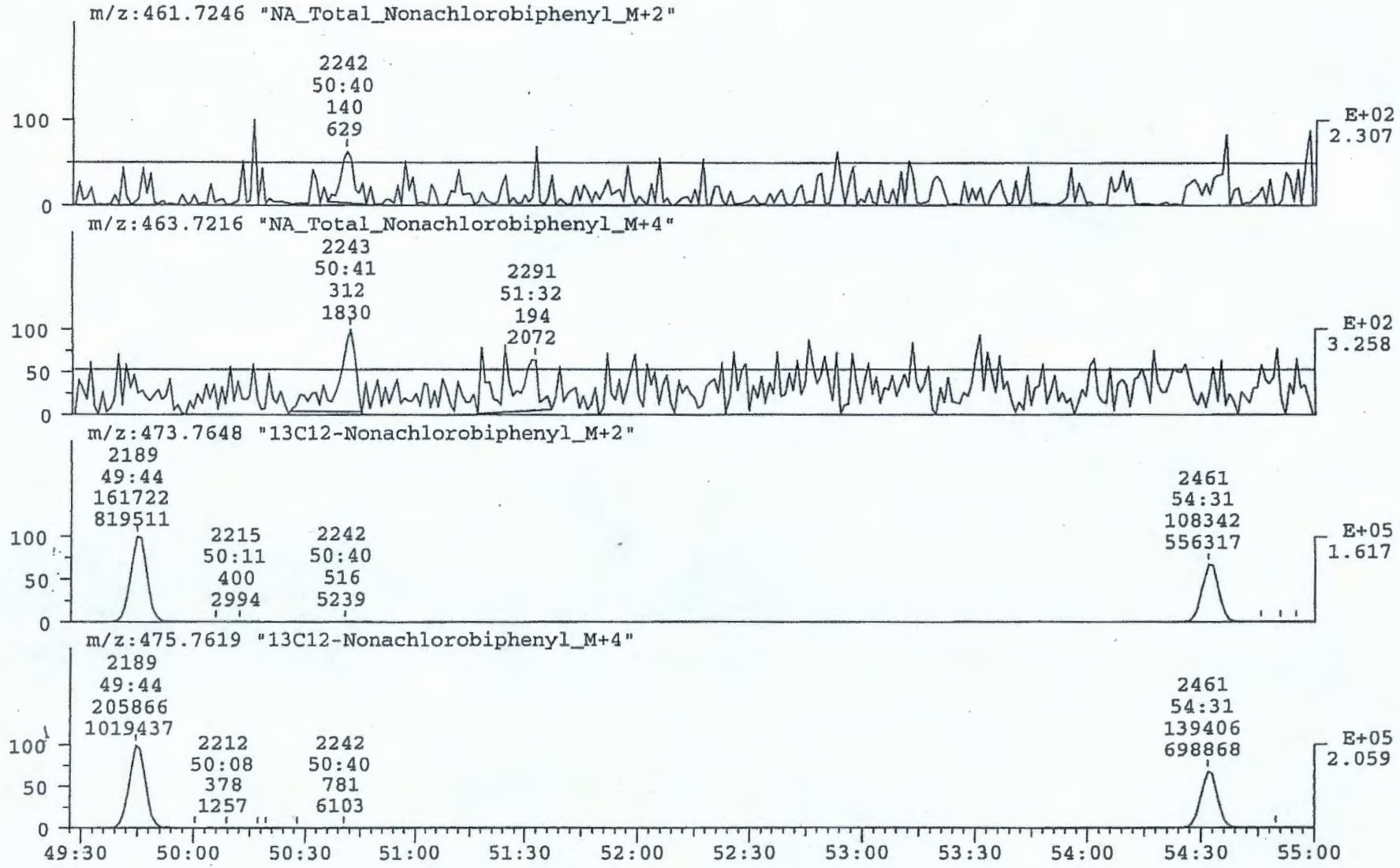
```
CHRO:  a07030733                                08-Mar-07   Elapse:  43:08      1818
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
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
```



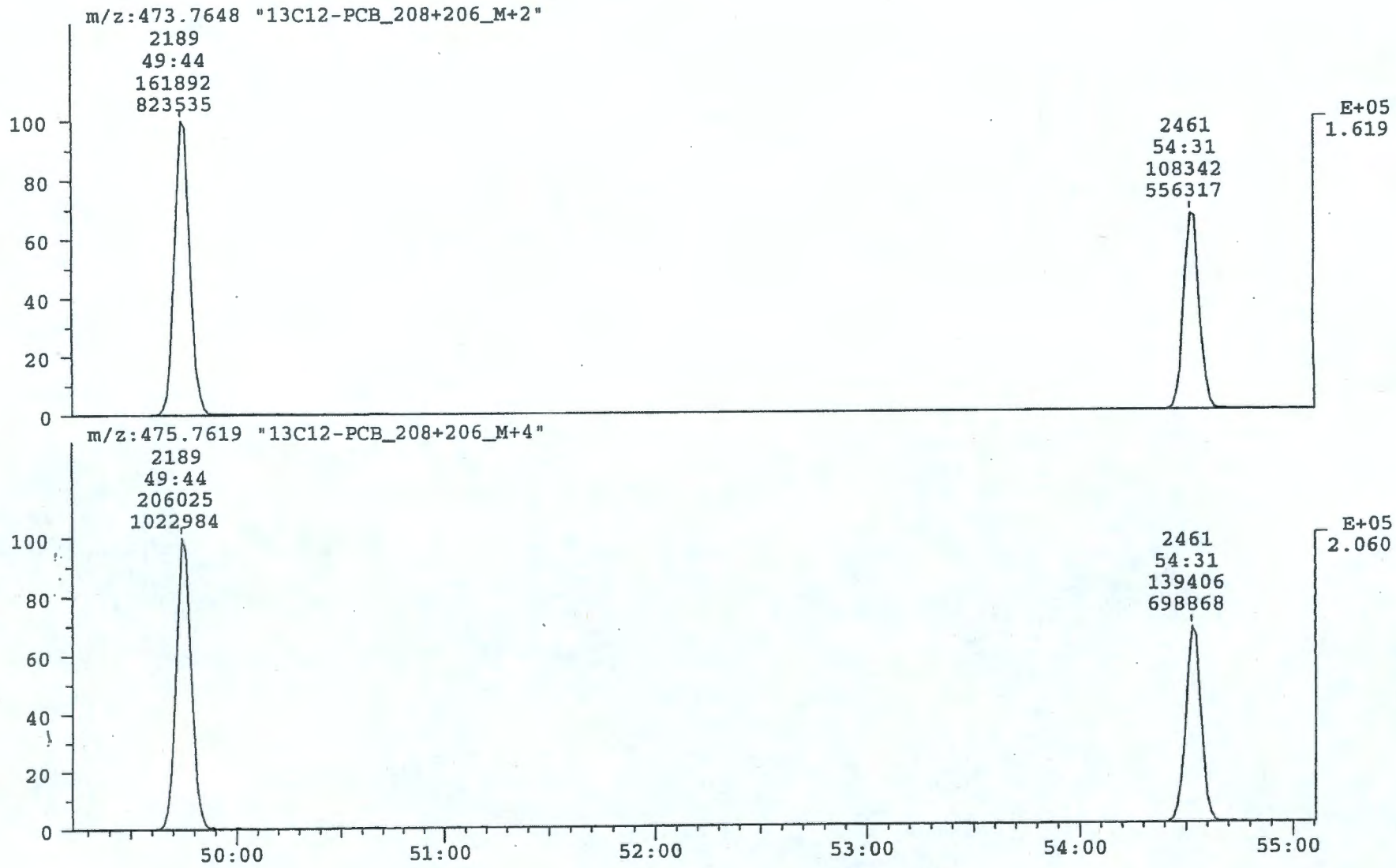
```
CHRO:  a07030733                                08-Mar-07   Elapse:  52:38      2354
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   5
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
```



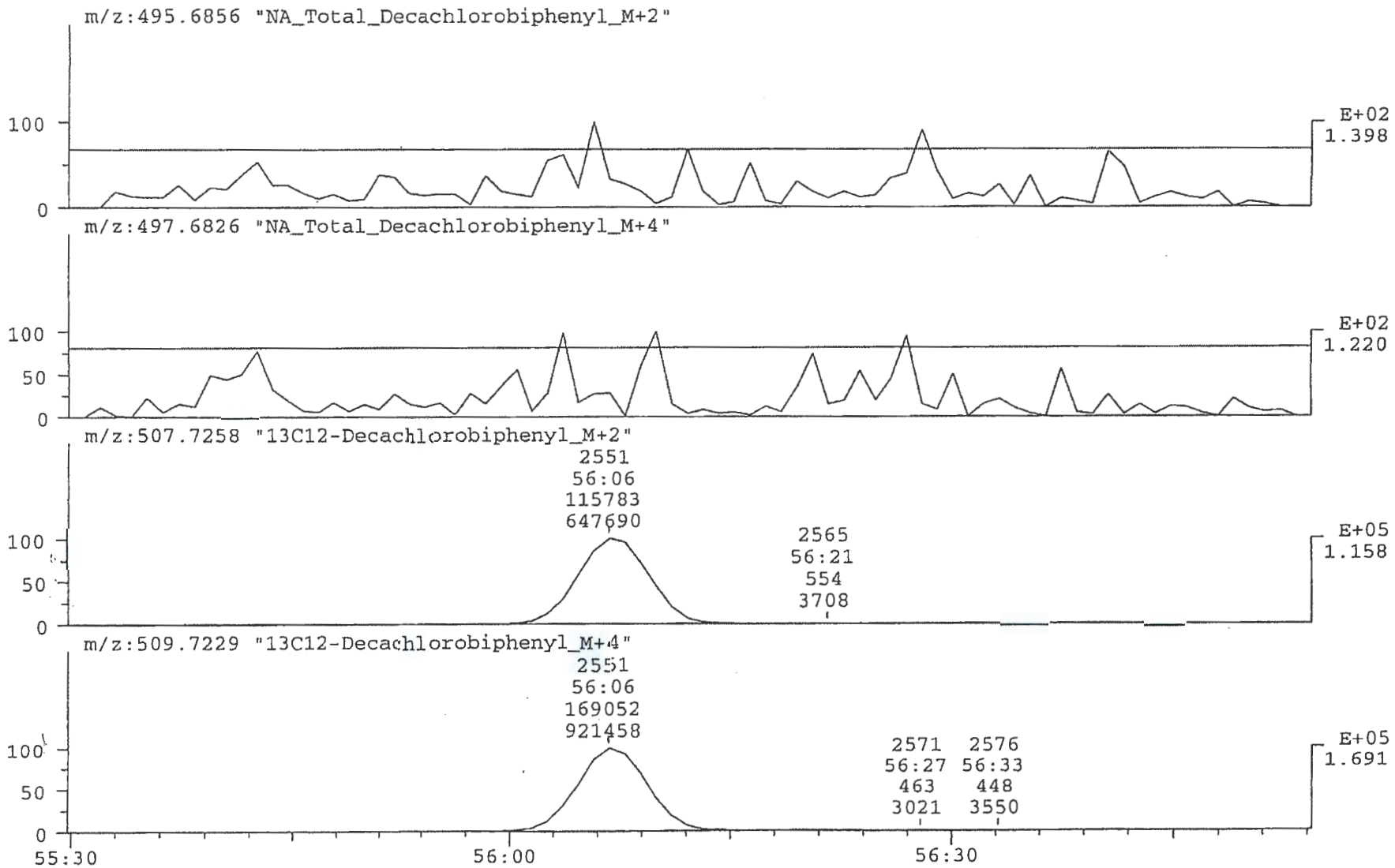
CHRO: a07030733 08-Mar-07 Elapse: 52:13 2330
Samp: Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1 Start : 05:23:53 2602
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix3/Run3
Oper: DCG Client: STL Knoxville Inlet : GC Vial 5
Peak: 100.00 ppm Label wndw: 2172 > 2488 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  a07030733                                08-Mar-07   Elapse:  52:12       2329
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53    2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
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:  a07030733                                08-Mar-07   Elapse:  56:12      2556
Samp:  Vial 5 WO=2990:75Mix3 Meth=IE3 Dil=1                 Start :  05:23:53   2602
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix3/Run3
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   5
Peak:  100.00  ppm      Label wndw:   2516 > 2596           Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
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: a07030733
Study: 1668 RT Mix3/Run3
Sample: WO=2990:75Mix3 Meth=IE3 Dil=1
Amount: 0.00
Volume: 0.00
Operator: DCG
Client: STL Knoxville
Comments: Inst=m1d/137819-2 Batch=20070307s1 Ccal=20050801i
Injected volume: 2.00
Sample from Vial 5
Analysis will stop when MID run finishes
Tune file name: tune2
Mcal file name: mcal1.cal
File 13 of list 070307
ICL procedure: sleep7x
MID procedure: epa1668n

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 | 22:01 min | 14:03 min | 36:04 min | 1.00 sec |
| # 3 | 36:05 min | 13:10 min | 49:15 min | 1.00 sec |
| # 4 | 49:16 min | 7:44 min | 57:00 min | 1.00 sec |

Mid Masses:
Window # 1

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

Window # 2

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

Window # 3

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

Window # 4

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

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

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

GC descriptor : epa1668n

| | | | |
|---|---|---|---|
| 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 | 1032.2528 |
| 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 | -18.7750 |
| DRAWC | 1.0000 | DRAWS | 0.0050 | ECORR | 0.9999 |
| ECURR | 1.0000 | EDAC | 7969177.0000 | EDACG | 0.9999 |
| EDACR | 23.0000 | EDACZ | 1160.0000 | ELEN | 67.4250 |
| EMULT | 1.5500 | ENS | 180.0000 | ERATIO | 1.0000 |
| ESA | 763.8000 | ESICUR | 10.0011 | ESIPAR | 0.0000 |
| EXS | 144.0000 | FDMA | 18000000.0000 | FLENS | 1.0000 |
| FM | 20.0000 | FMII | 50.0000 | FQUAD | 0.0000 |
| FREQ | 300.4808 | FSLOPE | 54000000.0000 | FVANAL | 266.0000 |
| FVINLET | 249.0000 | FVSRC | 834.0000 | FWIN | 0.7000 |
| GCTC | 210.0000 | GCTI | 270.0000 | GCTL | 280.0000 |
| HACCU | 208.0000 | HCURR | 1.2647 | HVANAL | 1300.0000 |
| HVSRC | 0.0000 | ICAL0 | 0.0011 | ICAL1 | 0.4030 |
| ICAL2 | 0.5865 | IONEN | 4771.6680 | 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 | 1800.0000 | LENSS | 21.0000 |
| LKM | 404.9760 | LM | 800.0000 | LMASS | 180.4888 |
| LMII | 500.0000 | MASS | 180.4888 | MDAC | 2346712.5794 |

| | | | | | |
|---|---|---|---|---|---|
| MDACR | 23.0000 | MRANGE | 1032.2528 | MSFM | 2.0000 |
| MSLM | 3790.0000 | NPEAK | 1.0000 | NSAM | 100.0000 |
| NSCAN | 2606.0000 | NSMAX | 8.0000 | NSMIN | 2.0000 |
| OCT | -2.0000 | PSAM | 10.0000 | PUSHER | -10.0000 |
| RDRAW | 0.0000 | RDRAWC | 0.0000 | RECURR | 0.0000 |
| RELEN | 0.0000 | RES | 10314.6723 | RFAMP | 799.9987 |
| RFCUR | 100.0110 | RPUSHER | 0.0000 | RWIN | 2.0000 |
| SACCU | 3.0000 | SCIDLE | 1.0000 | SHIELD | 2918.0000 |
| SHIELDS | 0.0000 | SHIGH | 180.0000 | SKIM | 7.0000 |
| SLOW | 60.0000 | SPRAY | 8.0000 | SS | 3.0000 |
| SW | 0.0500 | TANAL | 420.7300 | TCURR | 0.6641 |
| 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 | 2.1750 | USERVAR | 0.0000 | VAPTEMP | 599.9997 |
| VAPTSET | 400.0000 | VMASS | 180.4888 | XLENS | 2000.0000 |
| XLENSS | -34.8000 | YLENS | 2600.0000 | YLENSS | -24.8000 |

Scantype is electric
Sourcemode is EI POS

Analysis started at: 08-Mar-07 05:23:53.1

Autosampler has injected sample from vial 5
MID Time Window 1: Resolution is 8226
MID Time Window 2: Resolution is 8406
MID Time Window 3: Resolution is 8573
MID Time Window 4: Resolution is 8099
Analysis stopped at: 08-Mar-07 06:20:55.9 (run time 57.03 minutes)
Analysis stopped because MID run finished

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX4 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030741. | Prep Date | | SDG No | |
| Analysis ID | 96248 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 20:08 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | | | | | 188.0393 | 190.0363 | 188.0393 | 190.0363 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 200 | | | | | 200.0795 | 202.0766 | 200.0795 | 202.0766 | 2.66-3.60 | | |
| | Noise | 00:00 | 00:00 | 0 | 240 | 303 | 96 | 121 | 0.79 * | / | |
| | 13C12-PCB 1 | 12:12 | 00:00 | 0 | 2437588 | 776602 | 1043302 | 331289 | 3.14 | AVV/AVV | |
| | 13C12-PCB 3 | 14:25 | 00:00 | 0 | 2445587 | 754094 | 877603 | 271971 | 3.24 | AVV/AVV | |
| 222 | | | | | 222.0003 | 223.9974 | 222.0003 | 223.9974 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 234 | | | | | 234.0406 | 236.0376 | 234.0406 | 236.0376 | 1.33-1.79 | | |
| | Noise | 00:00 | 00:00 | 0 | 343 | 210 | 137 | 84 | 1.63 | / | |
| | 13C12-PCB 4 | 14:42 | 00:00 | 0 | 1060049 | 667528 | 351168 | 226987 | 1.59 | ABV/AVV | |
| | 13C12-PCB 9 | 16:40 | 00:00 | 0 | 1781464 | 1098164 | 511151 | 316473 | 1.62 | ABV/ABV | |
| | 13C12-PCB 8 | 17:32 | 00:00 | 0 | 1828168 | 1142071 | 509282 | 326934 | 1.60 | AVV/AVV | |
| | 13C12-PCB 15 | 20:41 | 00:00 | 0 | 1837288 | 1132545 | 481737 | 296094 | 1.62 | AVV/ABV | |
| 256 | | | | | 255.9613 | 257.9584 | 255.9613 | 257.9584 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 298 | 240 | 119 | 96 | 1.24 * | / | |
| | PCB 25 (BZ) | 23:06 | 00:00 | 0 | 856089 | 830171 | 212431 | 204619 | 1.03 | ABV/ABV | D |
| | PCB 21 (BZ) | 23:55 | 00:00 | 0 | 793071 | 775461 | 192062 | 190350 | 1.02 | AVV/AVV | D |
| 268 | | | | | 268.0016 | 269.9986 | 268.0016 | 269.9986 | 0.88-1.20 | | |
| | Noise | 00:00 | 00:00 | 0 | 653 | 280 | 261 | 112 | 2.33 * | / | |
| | 13C12-PCB 19 | 17:53 | 00:00 | 0 | 634927 | 603298 | 178270 | 168678 | 1.05 | AVV/ABV | |
| | 13C12-PCB 32 | 21:09 | 00:00 | 0 | 1167384 | 1094297 | 295380 | 276608 | 1.07 | AVV/ABV | |
| | 13C12-PCB 31 | 23:24 | 00:00 | 0 | 1690491 | 1616037 | 409288 | 394698 | 1.05 | ABV/ABV | |
| | 13C12-PCB 28 | 23:41 | 00:00 | 0 | 1517935 | 1486024 | 355203 | 345025 | 1.02 | AVV/AVV | |
| | 13C12-PCB 37 | 27:47 | 00:00 | 0 | 1520612 | 1423514 | 336621 | 313738 | 1.07 | ABB/ABV | |
| 290 | | | | | 289.9224 | 291.9194 | 289.9224 | 291.9194 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 228 | 338 | 91 | 135 | 0.67 | / | |
| | PCB 69 (BZ) | 25:57 | 00:00 | 0 | 1133544 | 1462047 | 257350 | 330021 | 0.78 | ABV/ABV | |
| | PCB 47 (BZ) | 26:35 | 00:00 | 0 | 980522 | 1236785 | 223762 | 289079 | 0.79 | AVV/AVV | M |
| | PCB 42 (BZ) | 27:08 | 00:00 | 0 | 819248 | 1047204 | 186042 | 239921 | 0.78 | AVV/AVV | D |
| | PCB 64 (BZ) | 27:50 | 00:00 | 0 | 1249927 | 1606079 | 292386 | 369374 | 0.78 | ABV/AVV | D |
| | PCB 70 (BZ) | 30:21 | 00:00 | 0 | 1266907 | 1635869 | 285647 | 364152 | 0.77 | ABV/ABV | |
| 302 | | | | | 301.9626 | 303.9597 | 301.9626 | 303.9597 | 0.65-0.89 | | |
| | Noise | 00:00 | 00:00 | 0 | 153 | 140 | 61 | 56 | 1.09 * | / | |
| | 13C12-PCB 54 | 21:02 | 00:00 | 0 | 574073 | 719164 | 144709 | 184543 | 0.80 | ABV/ABV | |
| | 13C12-PCB 52 | 25:33 | 00:00 | 0 | 830733 | 1040356 | 197099 | 245030 | 0.80 | ABV/ABV | |
| | 13C12-PCB 79 | 33:28 | 00:00 | 0 | 1131578 | 1443975 | 239557 | 315893 | 0.78 | ABV/ABV | D |
| | 13C12-PCB 81 | 34:31 | 00:00 | 0 | 1032205 | 1317981 | 223519 | 284955 | 0.78 | ABV/ABV | D |
| | 13C12-PCB 77 | 35:07 | 00:00 | 0 | 1092656 | 1346956 | 235586 | 278390 | 0.81 | ABB/ABV | D |
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 218 | 165 | 87 | 66 | 1.32 * | / | |
| | PCB 102 (BZ) | 29:51 | 00:00 | 0 | 1057676 | 666848 | 233379 | 147651 | 1.59 | ABV/ABV | |
| | PCB 97 (BZ) | 33:32 | 00:00 | 0 | 967402 | 610343 | 201421 | 126947 | 1.59 | ABV/ABV | DM |
| | PCB 115 (BZ) | 34:26 | 00:00 | 0 | 1414651 | 883400 | 301012 | 184844 | 1.60 | ABV/AVV | DM |

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*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX4 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030741. | Prep Date | | SDG No | |
| Analysis ID | 96248 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 20:08 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 326 | | | | | 325.8804 | 327.8775 | 325.8804 | 327.8775 | 1.32-1.78 | | |
| | PCB 123 (BZ) | 37:03 | 00:00 | 0 | 1614638 | 1056791 | 336836 | 221773 | 1.53 | AVV/AVV | |
| 338 | | | | | 337.9207 | 339.9178 | 337.9207 | 339.9178 | 1.32-1.78 | | |
| | Noise | 00:00 | 00:00 | 0 | 160 | 138 | 64 | 55 | 1.16 * | / | |
| | 13C12-PCB 104 | 26:29 | 00:00 | 0 | 1230457 | 768886 | 291838 | 182321 | 1.60 | ABV/ABV | D |
| | 13C12-PCB 95 | 29:31 | 00:00 | 0 | 924532 | 576344 | 202401 | 126453 | 1.60 | ABV/ABV | D |
| | 13C12-PCB 101 | 32:22 | 00:00 | 0 | 993156 | 603537 | 217205 | 131335 | 1.65 | AVV/ABV | |
| | 13C12-PCB 111 | 35:00 | 00:00 | 0 | 1225377 | 763980 | 267362 | 165657 | 1.60 | ABV/ABV | |
| | 13C12-PCB 123 | 37:01 | 00:00 | 0 | 1492675 | 933407 | 310175 | 195115 | 1.60 | ABV/ABV | D |
| | 13C12-PCB 118 | 37:21 | 00:00 | 0 | 1578452 | 969839 | 329082 | 202151 | 1.63 | AVV/AVV | D |
| | 13C12-PCB 114 | 37:54 | 00:00 | 0 | 1503636 | 939815 | 298700 | 189548 | 1.60 | AVV/AVV | D |
| | 13C12-PCB 105 | 38:36 | 00:00 | 0 | 1483660 | 911228 | 308366 | 183660 | 1.63 | ABV/ABB | D |
| | 13C12-PCB 127 | 39:58 | 00:00 | 0 | 1628559 | 1028053 | 343956 | 211352 | 1.58 | AVV/ABV | |
| | 13C12-PCB 126 | 41:40 | 00:00 | 0 | 1569677 | 975878 | 309651 | 195125 | 1.61 | AVV/ABV | D |
| 360 | | | | | 359.8415 | 361.8385 | 359.8415 | 361.8385 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 200 | 188 | 80 | 75 | 1.07 | / | |
| | PCB 134 (BZ) | 36:28 | 00:00 | 0 | 808572 | 636541 | 163742 | 132810 | 1.27 | AVV/AVV | D |
| | PCB 131 (BZ) | 37:04 | 00:00 | 0 | 868031 | 682363 | 179407 | 139666 | 1.27 | ABV/AVV | D |
| | PCB 163 (BZ) | 40:30 | 00:00 | 0 | 1373019 | 1084971 | 281629 | 223035 | 1.27 | ABV/ABV | M |
| 372 | | | | | 371.8817 | 373.8788 | 371.8817 | 373.8788 | 1.05-1.43 | | |
| | Noise | 00:00 | 00:00 | 0 | 155 | 118 | 62 | 47 | 1.32 | / | |
| | 13C12-PCB 155 | 32:03 | 00:00 | 0 | 1022759 | 809922 | 230963 | 172701 | 1.26 | ABV/ABV | D |
| | 13C12-PCB 153 | 39:10 | 00:00 | 0 | 1050362 | 816244 | 216284 | 166515 | 1.29 | ABV/ABV | D |
| | 13C12-PCB 138 | 40:28 | 00:00 | 0 | 1056171 | 818016 | 219081 | 166654 | 1.29 | ABV/ABV | |
| | 13C12-PCB 167 | 43:25 | 00:00 | 0 | 1299470 | 1026658 | 261060 | 213259 | 1.27 | AVV/ABV | |
| | 13C12-PCB 156 | 44:35 | 00:00 | 0 | 1102798 | 1059901 | 263321 | 205975 | 1.04 * | ABV/ABV | RD |
| | 13C12-PCB 157 | 44:40 | 00:00 | 0 | 1479733 | 975571 | 289487 | 229444 | 1.52 * | AVB/AVB | RM |
| | 13C12-PCB 169 | 47:50 | 00:00 | 0 | 1246399 | 977717 | 253261 | 198228 | 1.27 | ABB/ABB | D |
| 394 | | | | | 393.8025 | 395.7995 | 393.8025 | 395.7995 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 160 | 273 | 64 | 109 | 0.59 * | / | |
| | PCB 180 (BZ) | 45:57 | 00:00 | 0 | 896683 | 855659 | 180976 | 181377 | 1.05 | ABV/ABV | DM |
| 406 | | | | | 405.8428 | 407.8398 | 405.8428 | 407.8398 | 0.89-1.21 | | |
| | Noise | 00:00 | 00:00 | 0 | 138 | 123 | 55 | 49 | 1.12 | / | |
| | 13C12-PCB 188 | 37:47 | 00:00 | 0 | 1092117 | 1026993 | 228513 | 212486 | 1.06 | ABV/ABV | D |
| | 13C12-PCB 178 | 40:52 | 00:00 | 0 | 688535 | 653790 | 141161 | 133413 | 1.05 | ABV/ABV | |
| | 13C12-PCB 180 | 45:56 | 00:00 | 0 | 924957 | 860530 | 190855 | 179495 | 1.07 | ABV/ABV | |
| | 13C12-PCB 170 | 47:15 | 00:00 | 0 | 743110 | 698353 | 153369 | 144030 | 1.06 | ABV/ABV | |
| | 13C12-PCB 189 | 50:19 | 00:00 | 0 | 1165861 | 1130873 | 234151 | 226124 | 1.03 | ABV/ABV | D |
| 428 | | | | | 427.7635 | 429.7606 | 427.7635 | 429.7606 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | | |
| 440 | | | | | 439.8038 | 441.8008 | 439.8038 | 441.8008 | 0.76-1.02 | | |
| | Noise | 00:00 | 00:00 | 0 | 193 | 170 | 77 | 68 | 1.13 * | / | |
| | 13C12-PCB 202 | 43:09 | 00:00 | 0 | 856714 | 930251 | 178825 | 189552 | 0.92 | ABV/ABV | D |
| | 13C12-PCB 194 | 52:24 | 00:00 | 0 | 707053 | 762343 | 138318 | 155127 | 0.93 | ABV/ABV | |

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

STL - Knoxville

# IsoCalc Preliminary Peak Report

## *PCB's by EPA Method 1668A*

IsoCalc

| | | | | | |
|---|---|---|---|---|---|
| Workorder | 2990:75MIX4 | Prep Batch | | Lot No | |
| Data File | /20070307rt/a07030741. | Prep Date | | SDG No | |
| Analysis ID | 96248 | Prep Exp Date | | Date Received | |
| Analysis Date | 03/07/07 20:08 | Matrix | UNKNOWN | Date Sampled | |
| Anal Exp Date | | Initial Wt/Vol | | Lims Test Code | |
| Instrument | M1D | Extract Vol | | Method | IE3 |
| Analyst | DCG | Diluton Factor | 1.00 | Code | IE3 |

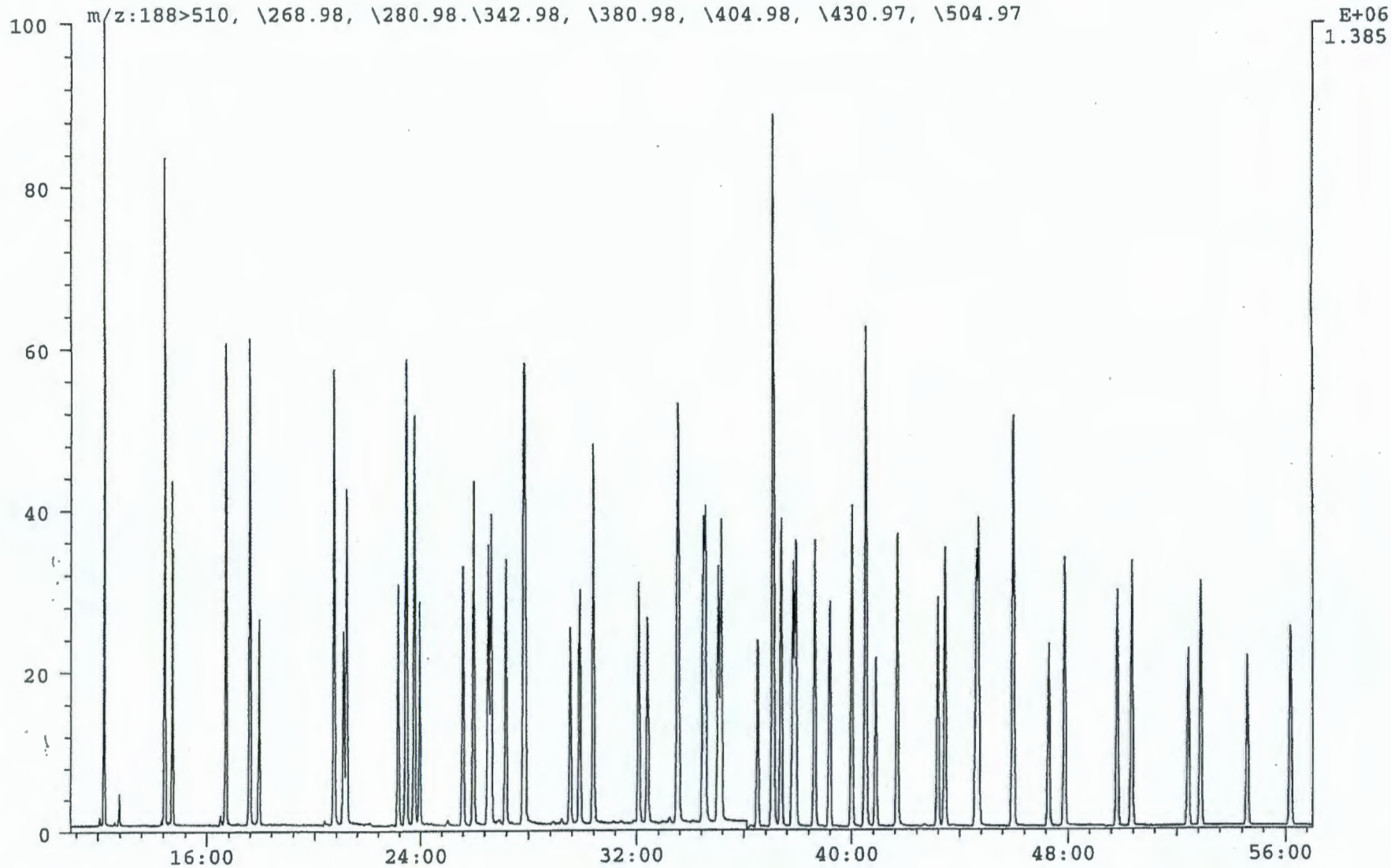
View Small Peaks? False  View deleted peaks? False

| Mass | Peak Name | RT | Pred RT | Δ | Area 1 | Area 2 | Height1 | Height2 | Ratio | Integration Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| 440 | | | | | 439.8038 | 441.8008 | 439.8038 | 441.8008 | 0.76-1.02 | |
| | 13C12-PCB 205 | 52:51 | 00:00 | 0 | 975094 | 1074078 | 193983 | 217085 | 0.91 | AVV/AVV |
| 462 | | | | | 461.7246 | 463.7216 | 461.7246 | 463.7216 | 0.65-0.89 | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | |
| 474 | | | | | 473.7648 | 475.7619 | 473.7648 | 475.7619 | 0.65-0.89 | |
| | Noise | 00:00 | 00:00 | 0 | 150 | 158 | 60 | 63 | 0.95 * | / |
| | 13C12-PCB 208 | 49:46 | 00:00 | 0 | 829357 | 1042795 | 162991 | 213007 | 0.80 | AVV/AVV |
| | 13C12-PCB 206 | 54:33 | 00:00 | 0 | 555906 | 713914 | 111629 | 143363 | 0.78 | ABB/AVV |
| 496 | | | | | 495.6856 | 497.6826 | 495.6856 | 497.6826 | 0.59-0.79 | |
| | Noise | 00:00 | 00:00 | 0 | 0 | 0 | 0 | 0 | 0.00 * | |
| 508 | | | | | 507.7258 | 509.7229 | 507.7258 | 509.7229 | 0.59-0.79 | |
| | Noise | 00:00 | 00:00 | 0 | 223 | 155 | 89 | 62 | 1.44 * | / |
| | 13C12-PCB 209 | 56:08 | 00:00 | 0 | 655371 | 945856 | 121142 | 173406 | 0.69 | ABV/ABV |

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

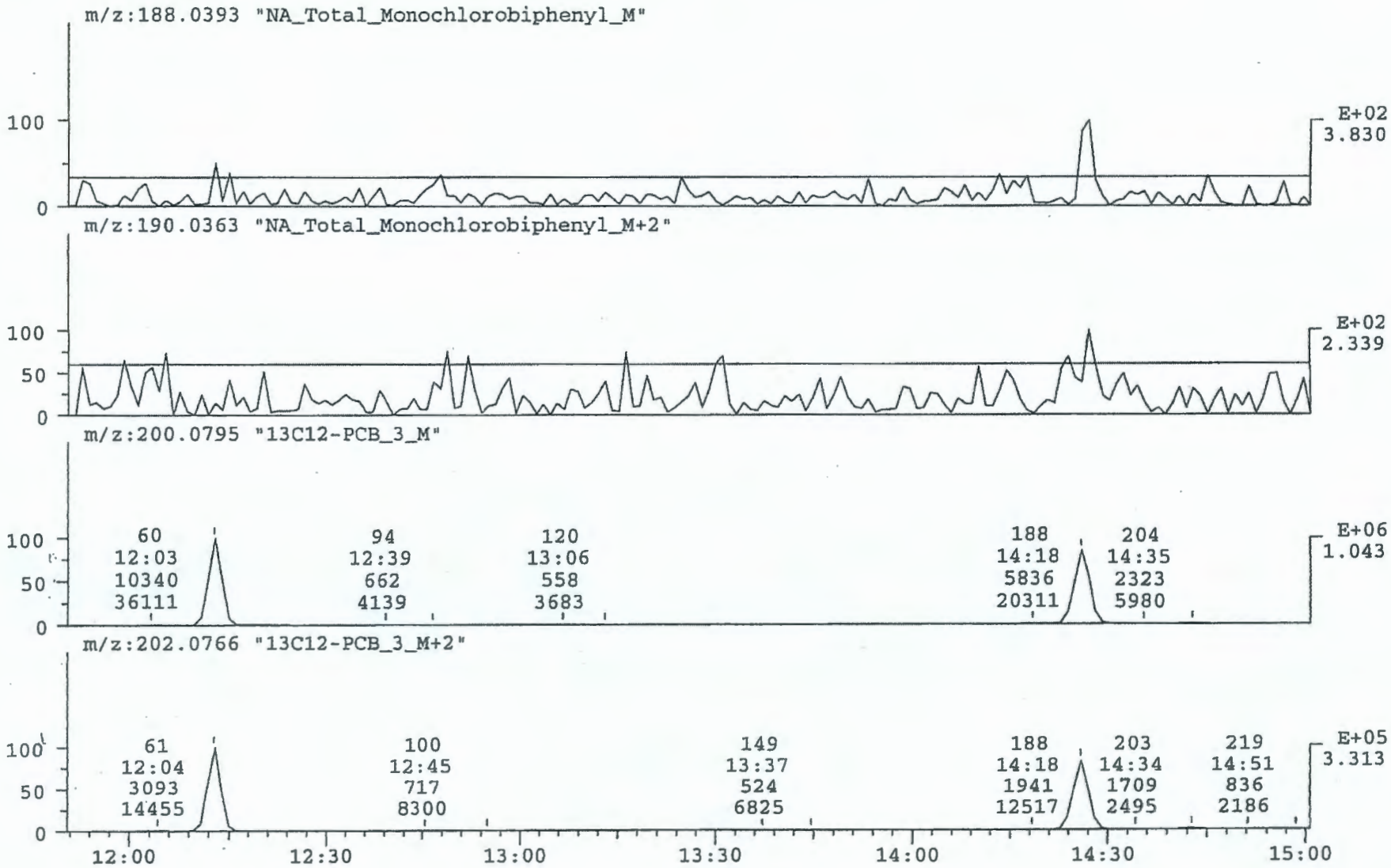
Int DCS 3-17-07
Calc DCS 3-19-07
DC [illegible] 3/19/07

CHRO: a07030741 07-Mar-07 Elapse: 56:11 2556
Samp: Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1 Start : 20:08:45 2603
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix4/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 6
Peak: 100.00 ppm Label wndw: 2 > 2603 Masses: 181 > 510
Area: 5, 0.50, 0 Baseline : 100, 3 Label : 0, 0.0
Disp: Height Area

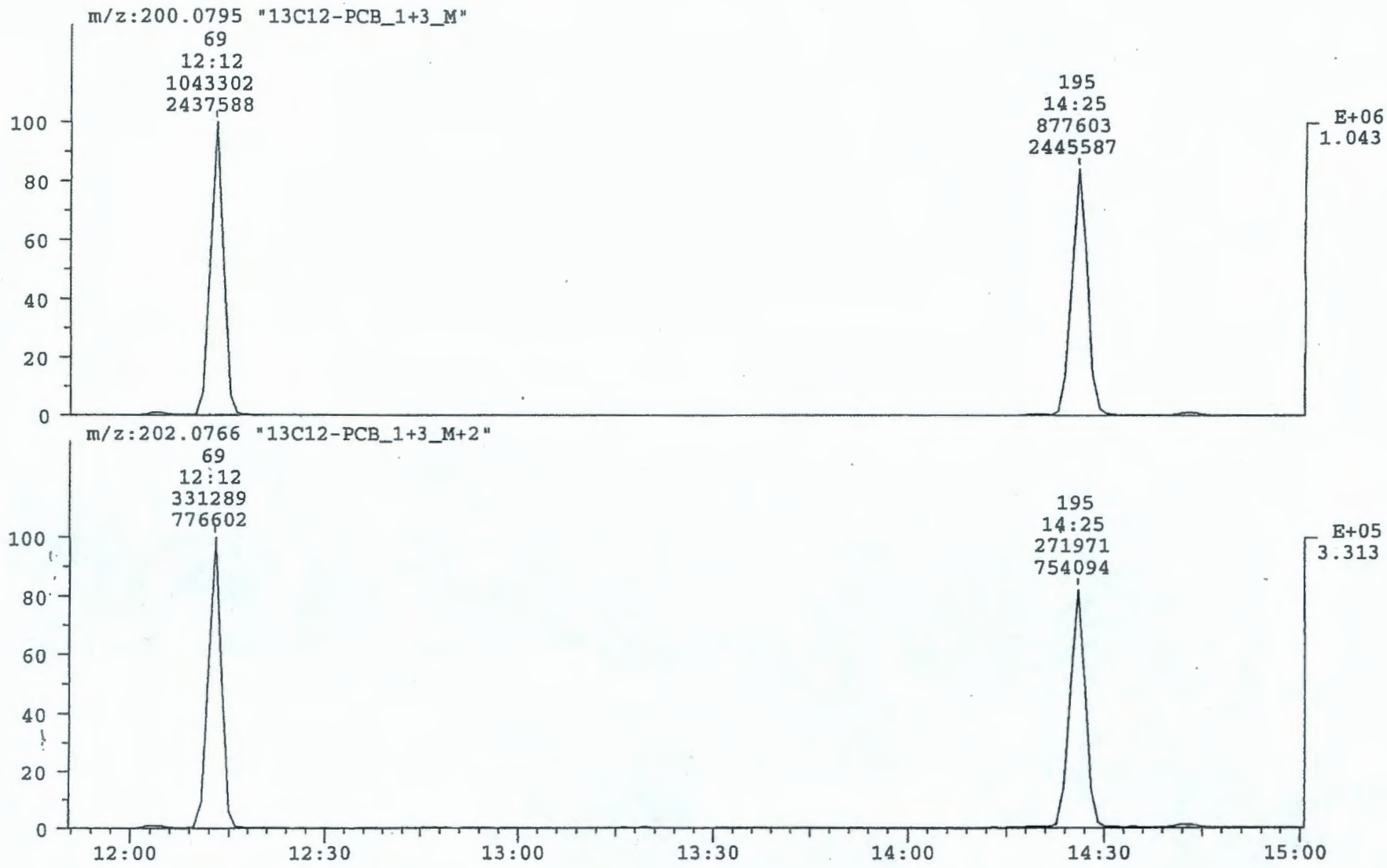



1780

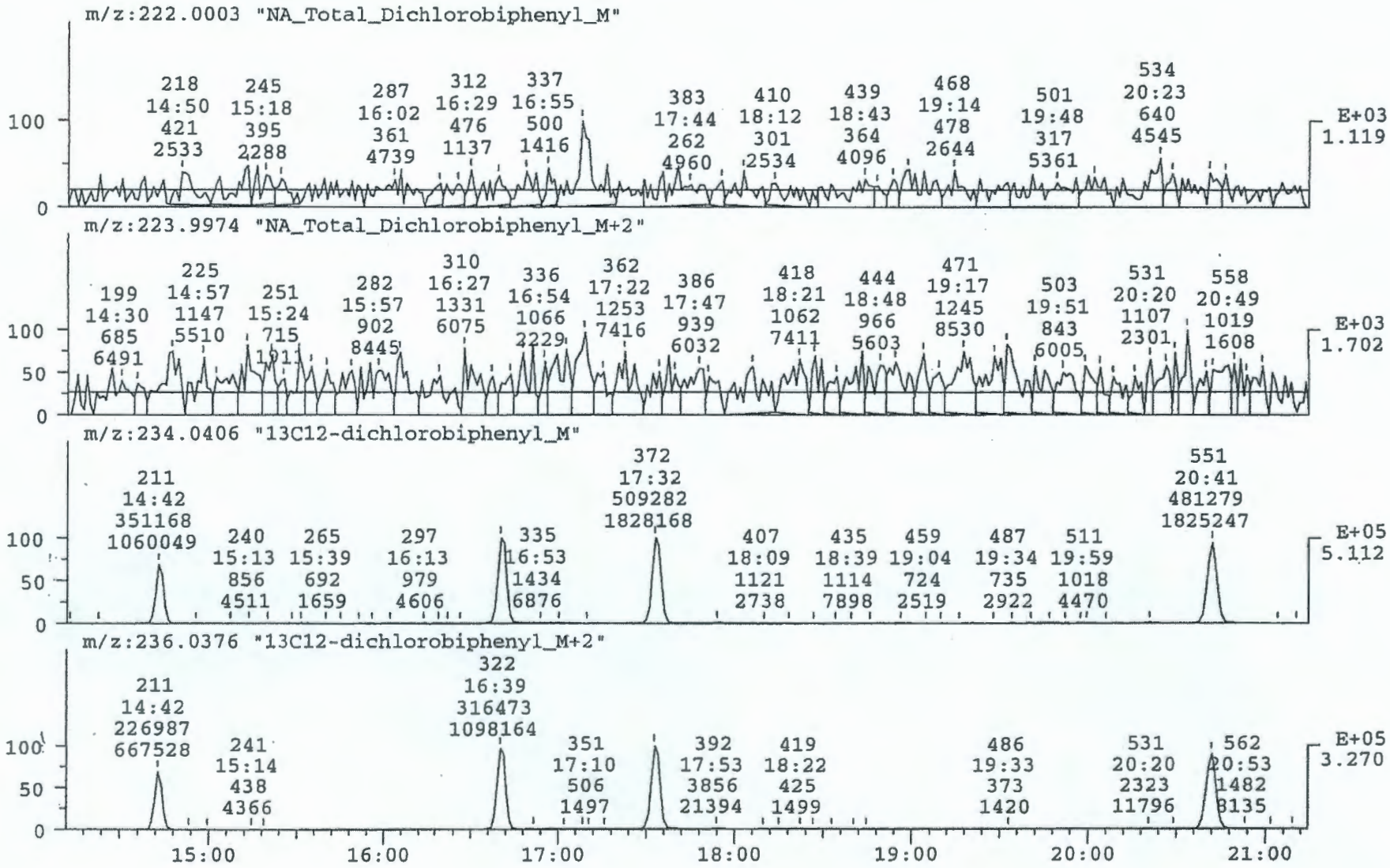
```
CHRO:  a07030741                              07-Mar-07   Elapse:  13:25.6      138
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1               Start :  20:08:45    2603
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix4/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   6
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
```



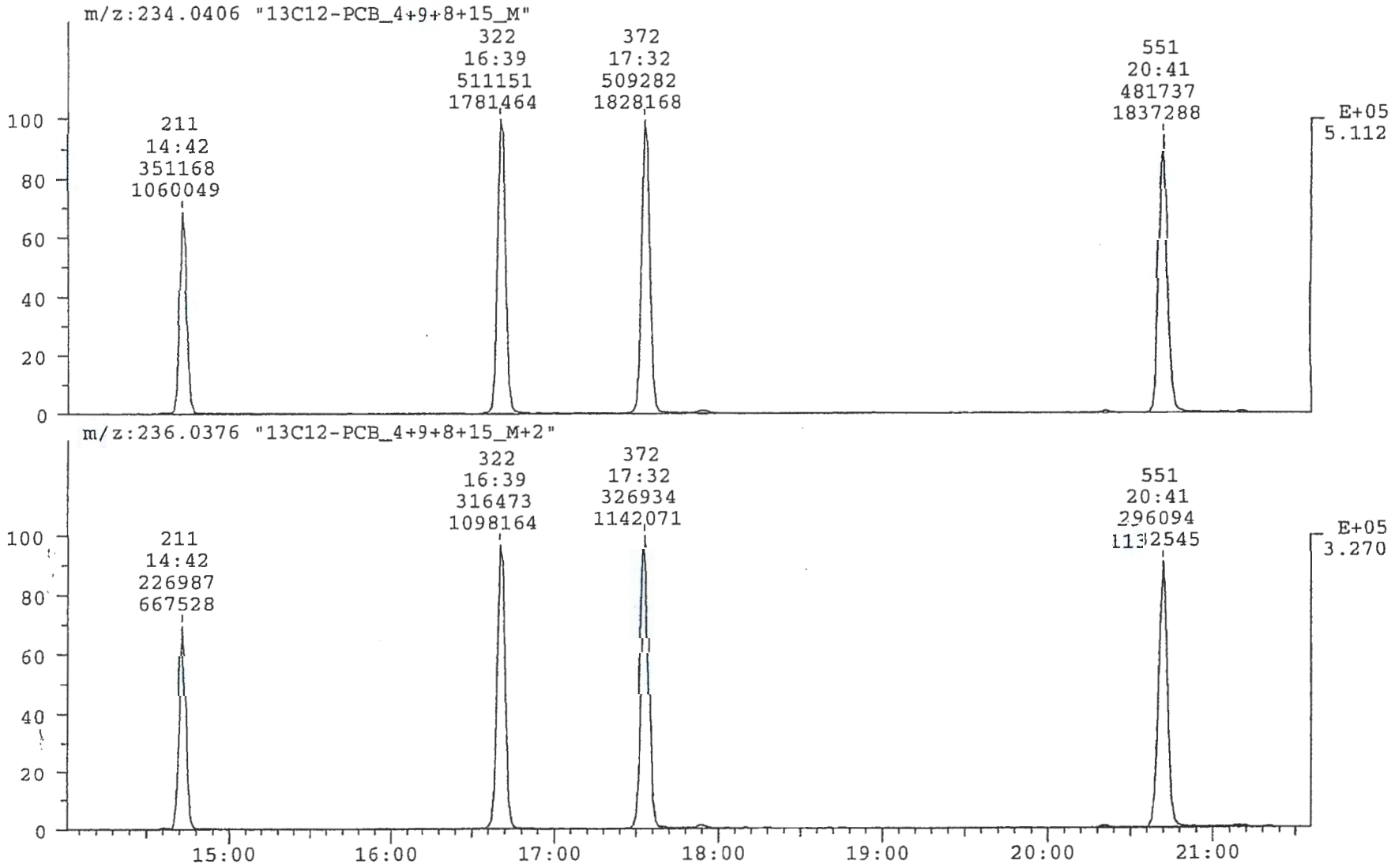
```
CHRO:  a07030741                                07-Mar-07   Elapse:  13:25.6      138
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1                 Start :  20:08:45    2603
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix4/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   6
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
```



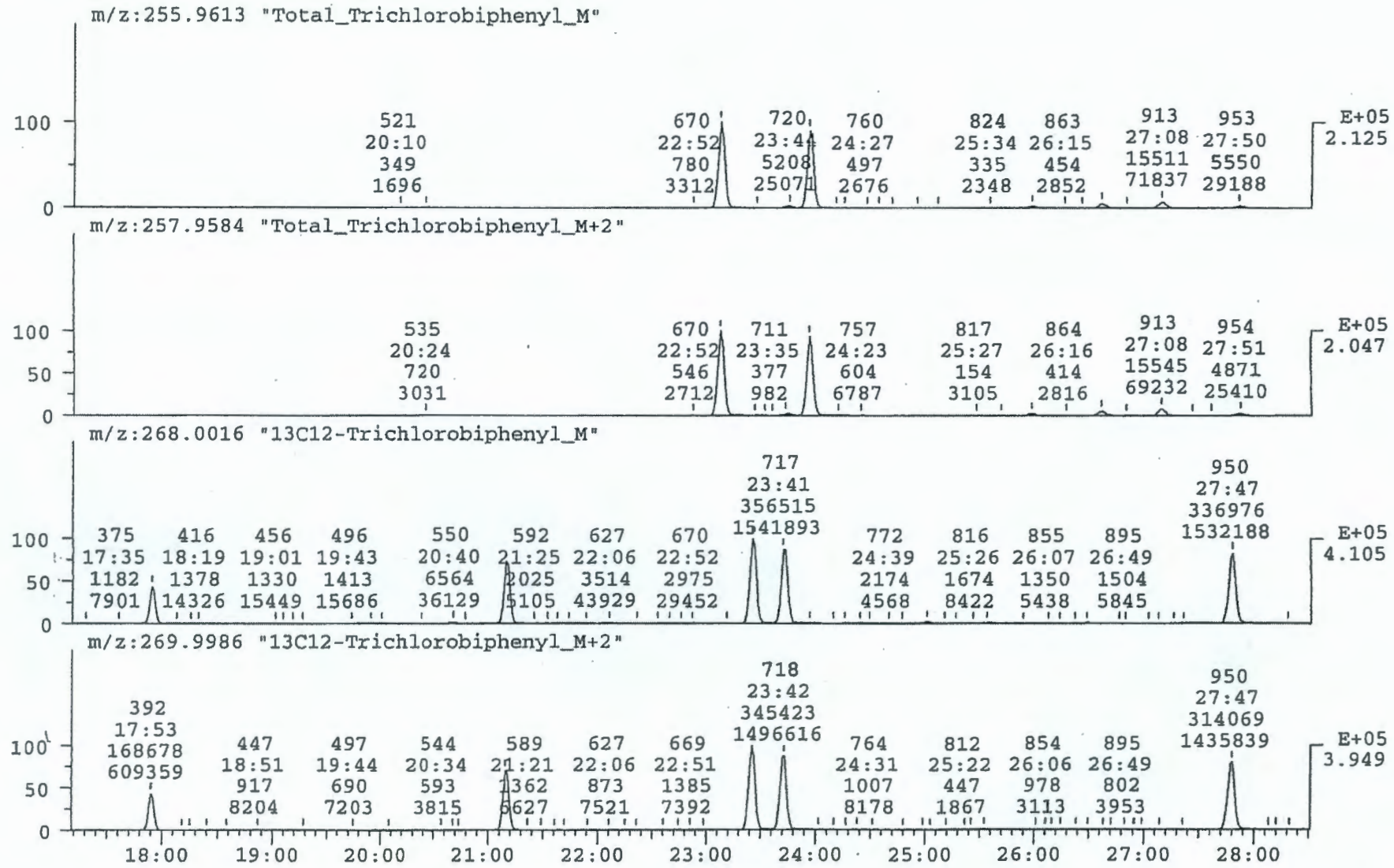
```
CHRO:  a07030741                                07-Mar-07   Elapse:  17:43.2      382
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1                 Start :  20:08:45    2603
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix4/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   6
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
```



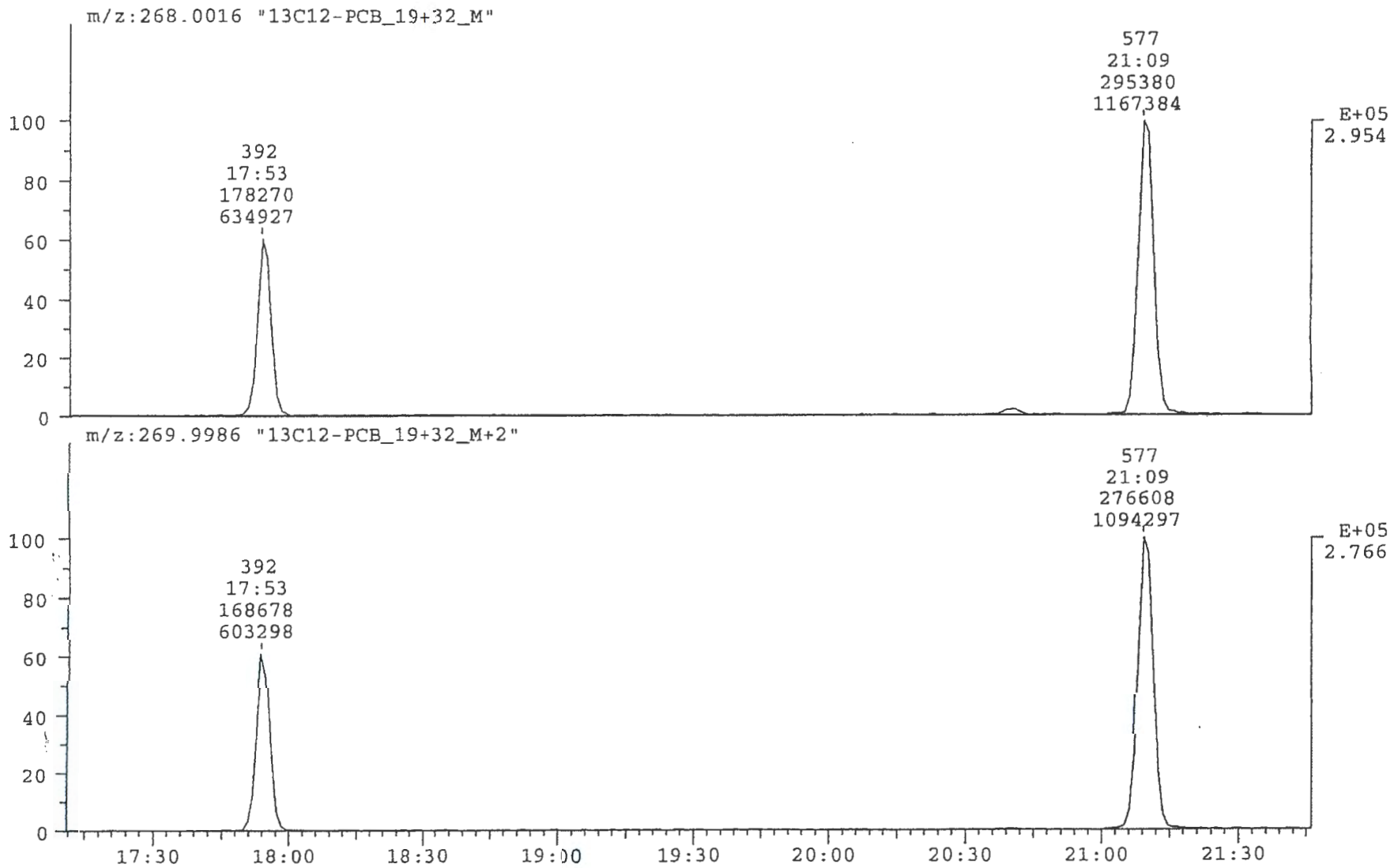
CHRO: a07030741 07-Mar-07 Elapse: 17:43.2 382
Samp: Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1 Start : 20:08:45 2603
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix4/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 6
Peak: 100.00 ppm Label wndw: 172 > 602 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



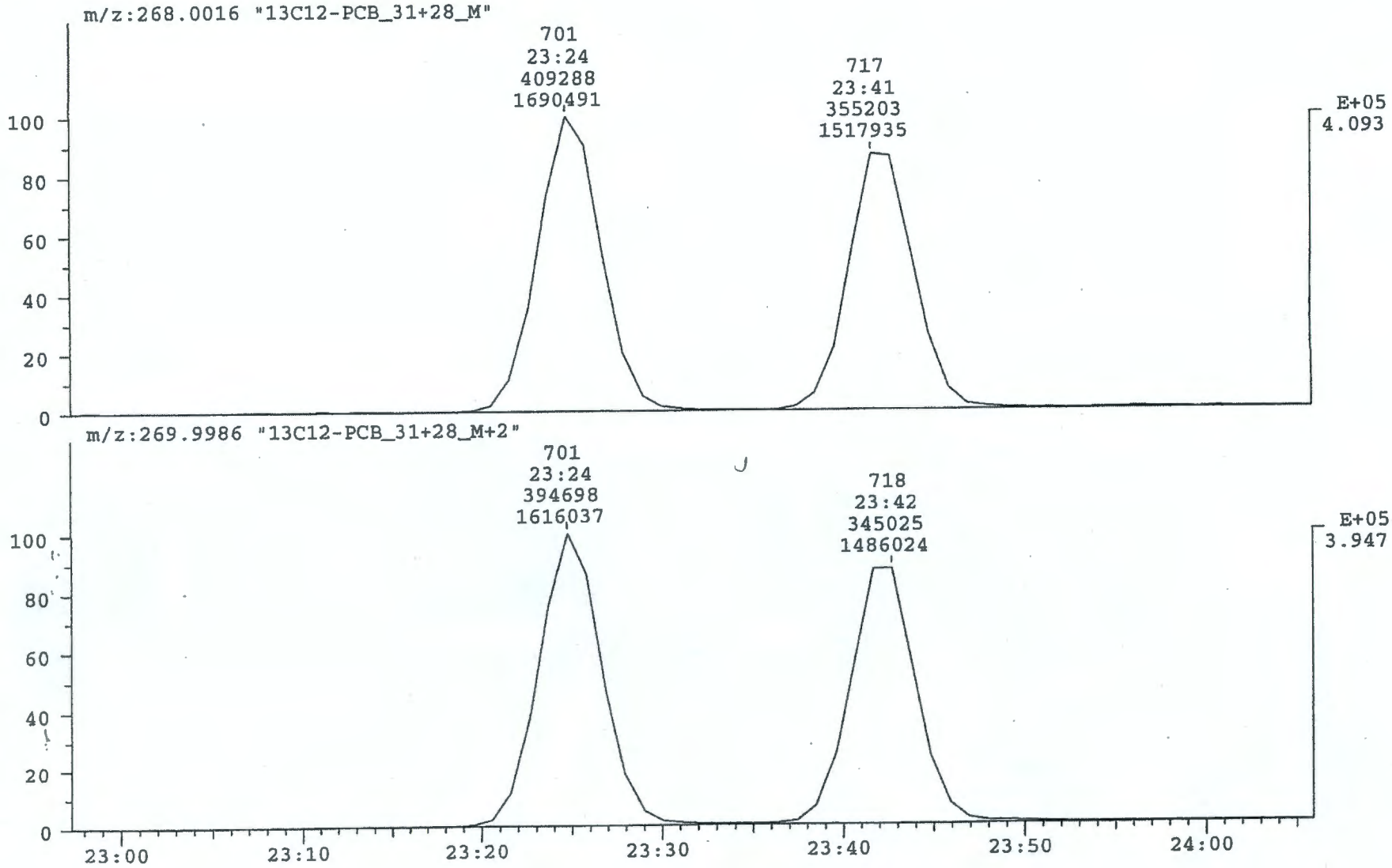
CHRO: a07030741 07-Mar-07 Elapse: 22:53.1 671
Samp: Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1 Start : 20:08:45 2603
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix4/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 6
Peak: 100.00 ppm Label wndw: 351 > 991 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



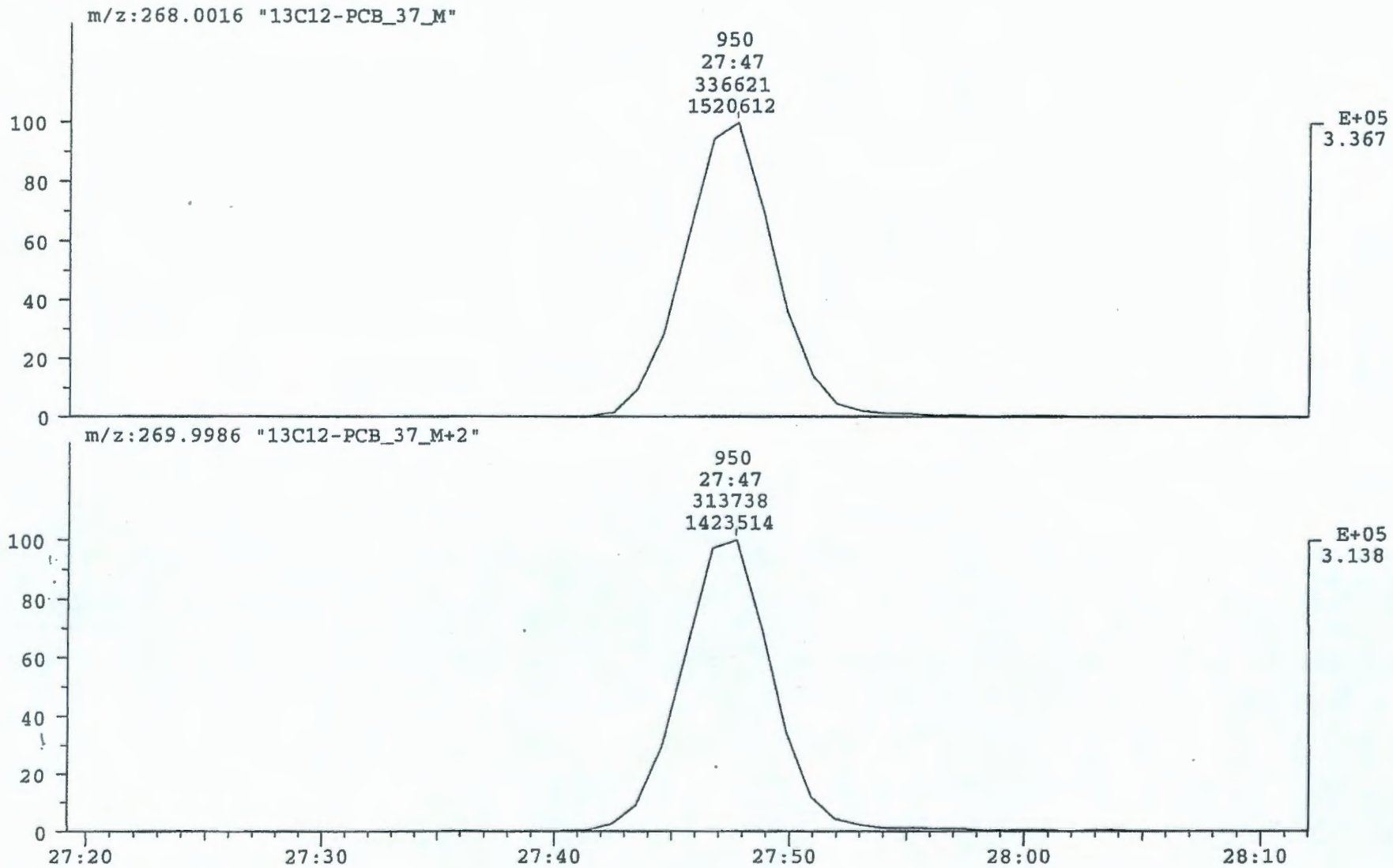
```
CHRO:  a07030741                              07-Mar-07   Elapse:  19:18.3      472
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1               Start :  20:08:45    2603
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix4/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   6
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
```



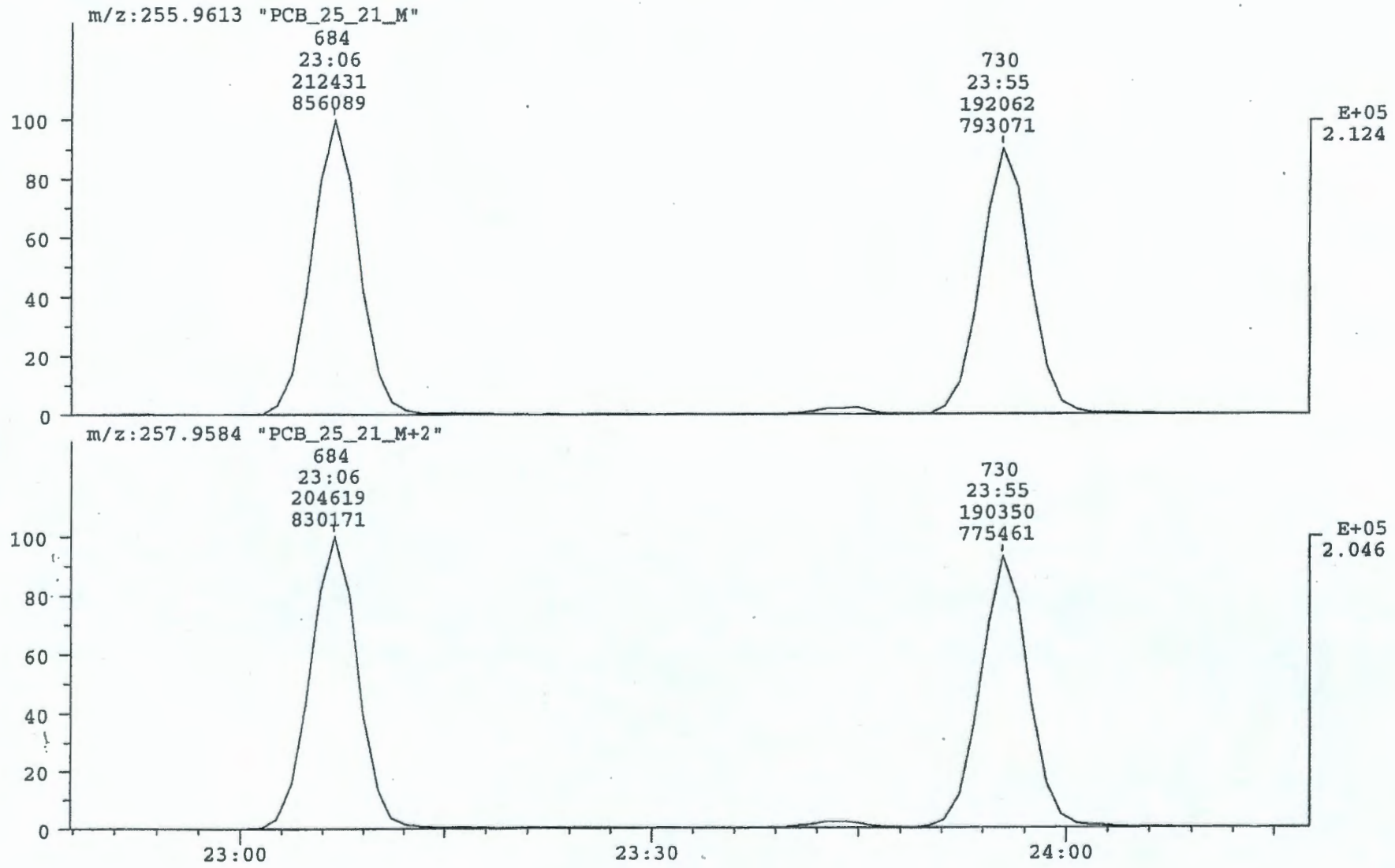
CHRO: a07030741 07-Mar-07 Elapse: 23:23.7 700
Samp: Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1 Start : 20:08:45 2603
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix4/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 6
Peak: 100.00 ppm Label wndw: 675 > 740 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



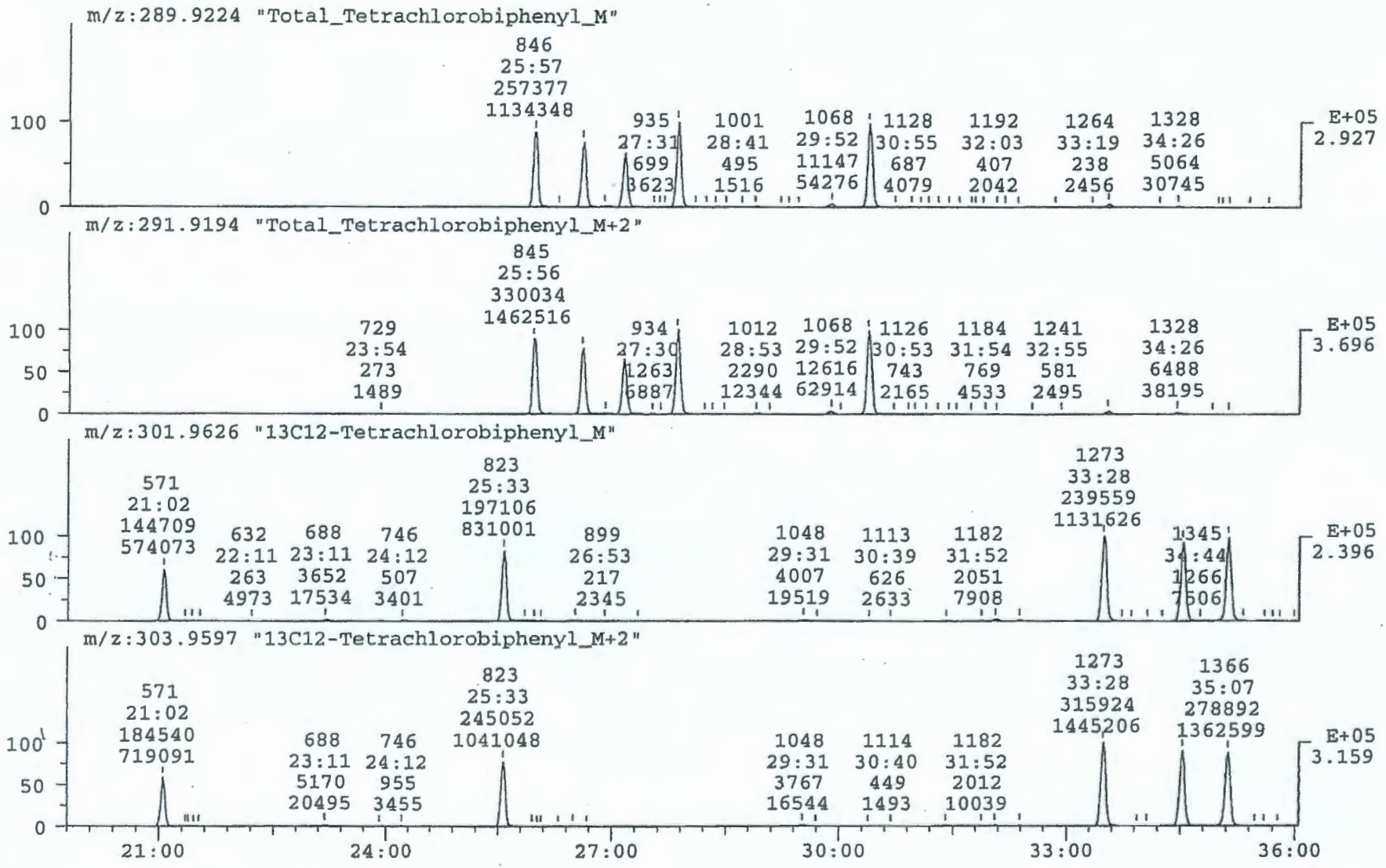
```
CHRO:  a07030741                                07-Mar-07   Elapse:  27:45.6      948
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1                 Start :  20:08:45    2603
Comm:  Inst=mld/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix4/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   6
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
```



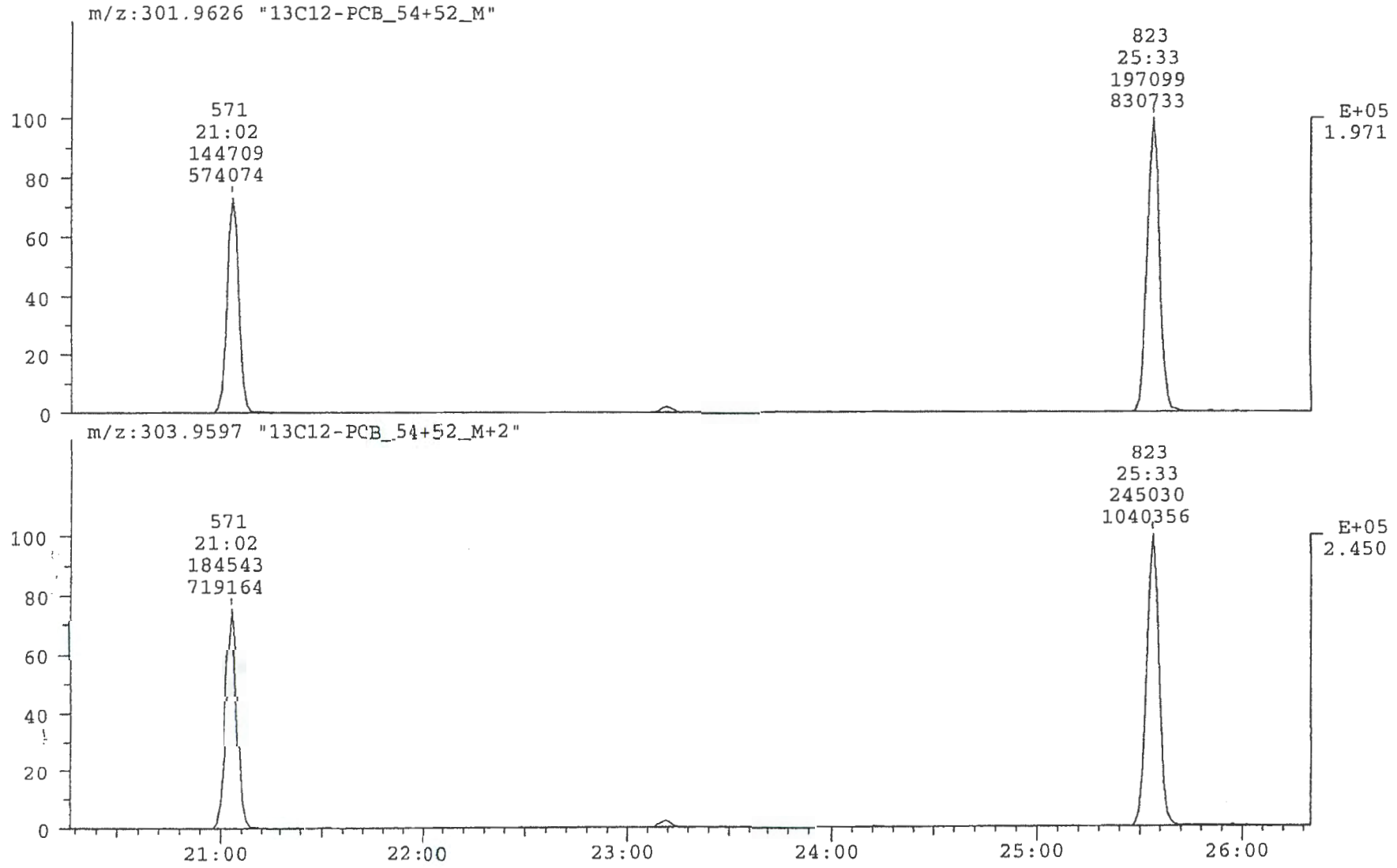
```
CHRO:  a07030741                                07-Mar-07   Elapse:  23:40.6      716
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1                 Start :  20:08:45    2603
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix4/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   6
Peak:  100.00  ppm      Label wndw:   666 > 751             Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3                Label :  -3, 3.0
Disp:  Height  Area
```



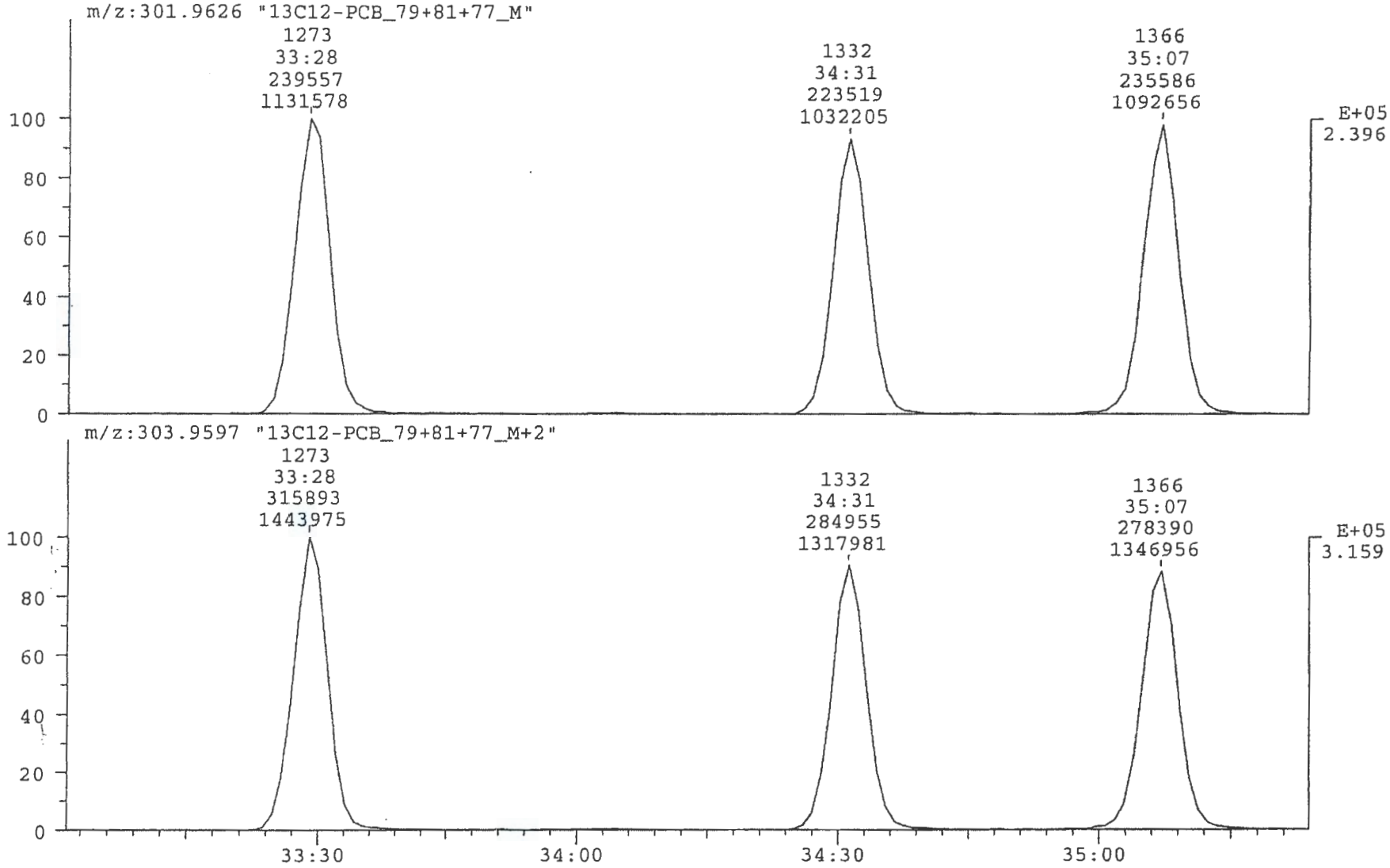
```
CHRO:  a07030741                                07-Mar-07   Elapse:  27:55.1      957
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1                 Start :  20:08:45    2603
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix4/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   6
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
```



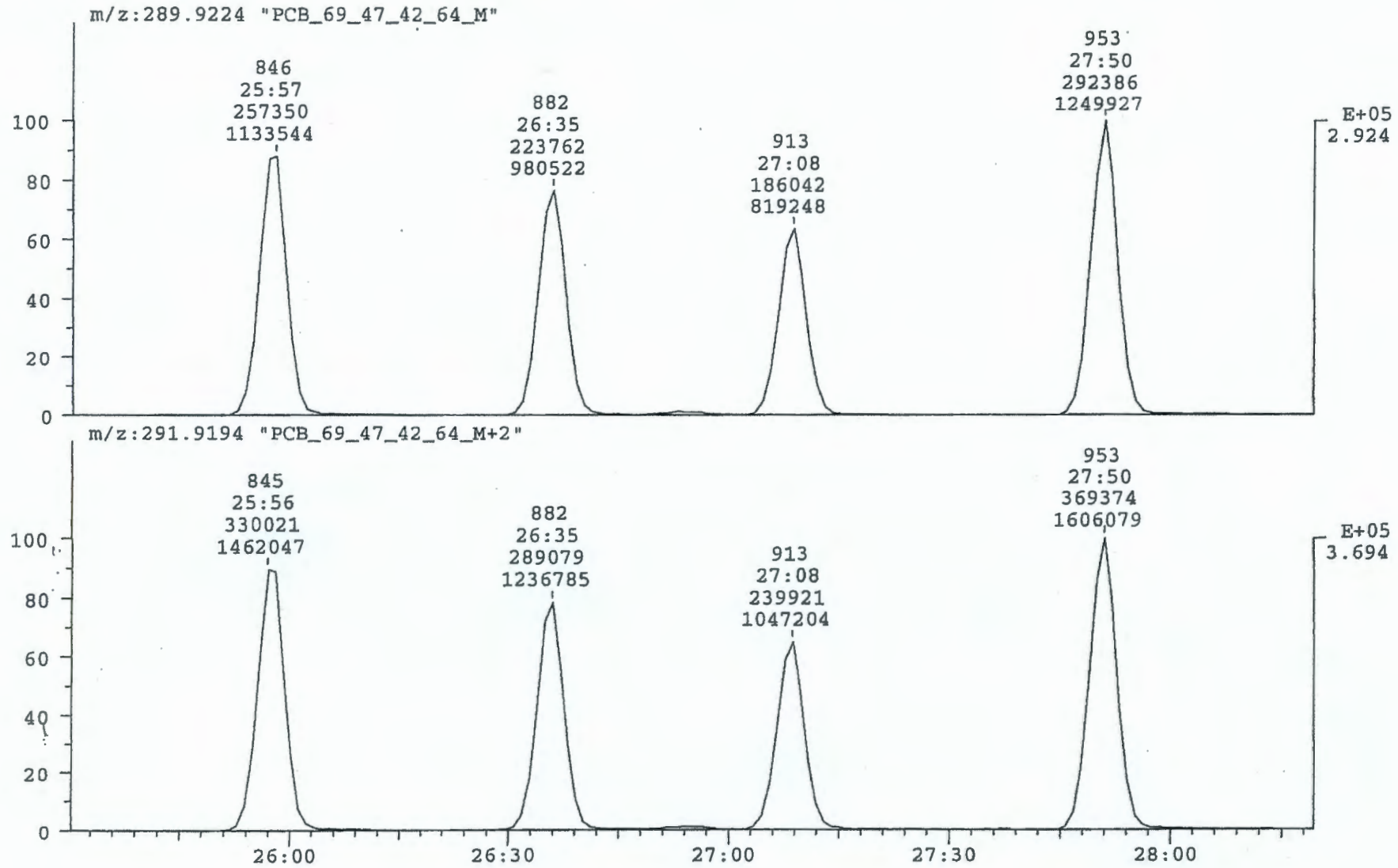
```
CHRO:  a07030741                                07-Mar-07   Elapse:  23:20.5      697
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1                 Start :  20:08:45    2603
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix4/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   6
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
```



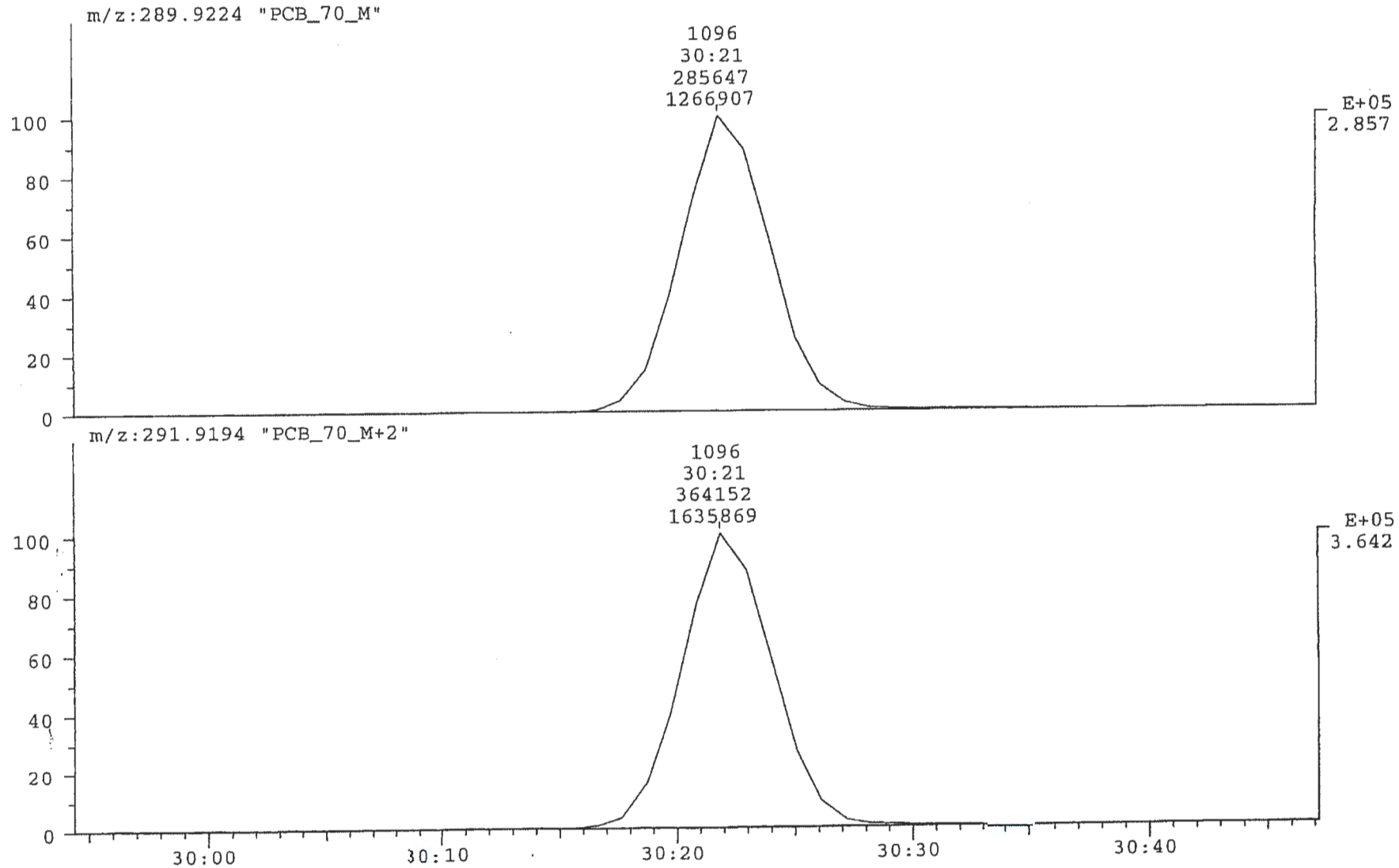
```
CHRO:  a07030741                                07-Mar-07   Elapse:  34:15      1317
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1                 Start :  20:08:45   2603
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix4/Run1
Oper:  DCG          Client:  STL Knoxville                  Inlet :  GC     Vial   6
Peak:  100.00  ppm     Label wndw:   1247 > 1382            Masses:  181 > 510
Area:  5, 0.50, 15     Baseline  :   100, 3                 Label :  -3, 3.0
Disp:  Height  Area
```



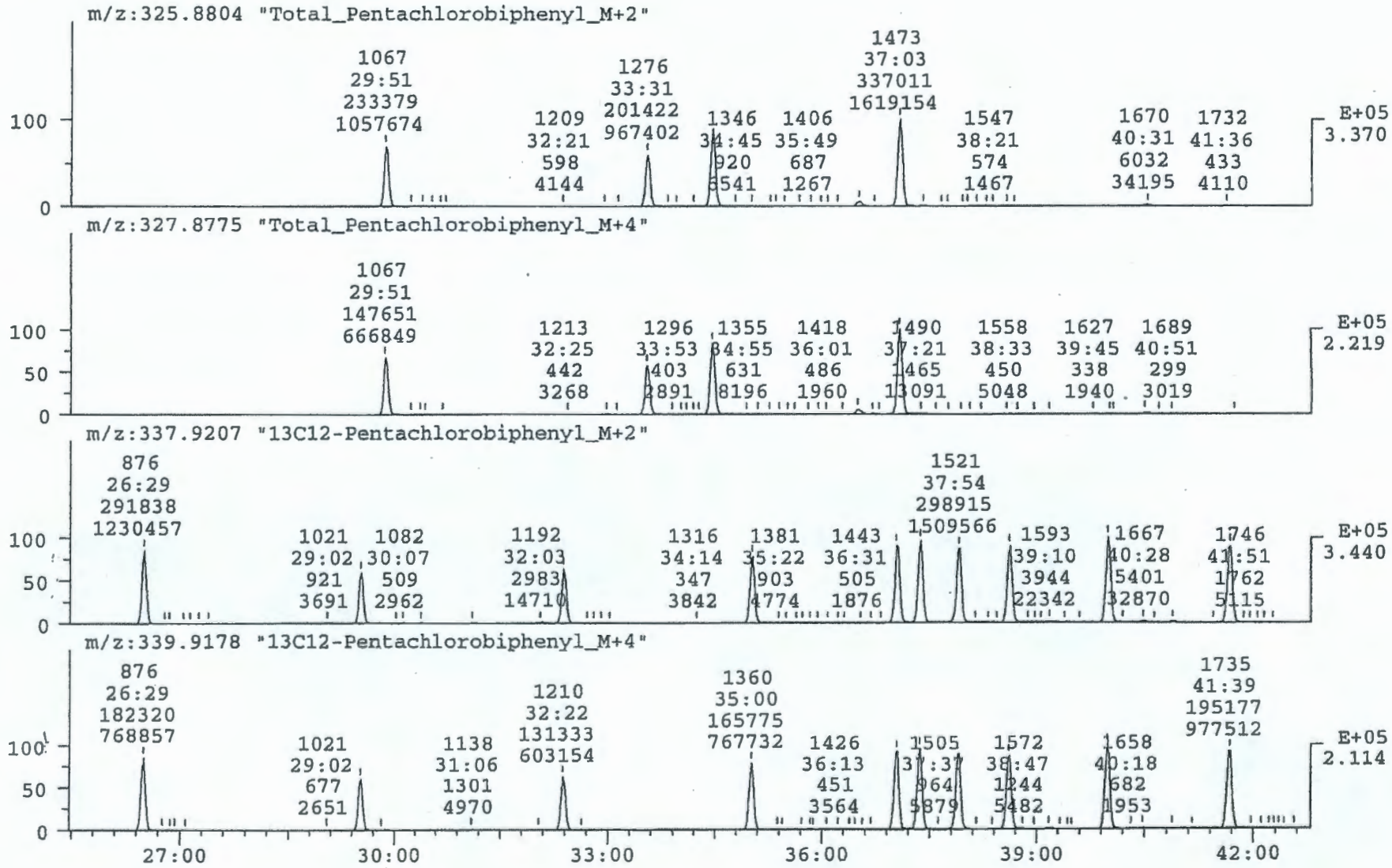
CHRO: a07030741 07-Mar-07 Elapse: 26:54.9 900
Samp: Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1 Start : 20:08:45 2603
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix4/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 6
Peak: 100.00 ppm Label wndw: 820 > 980 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



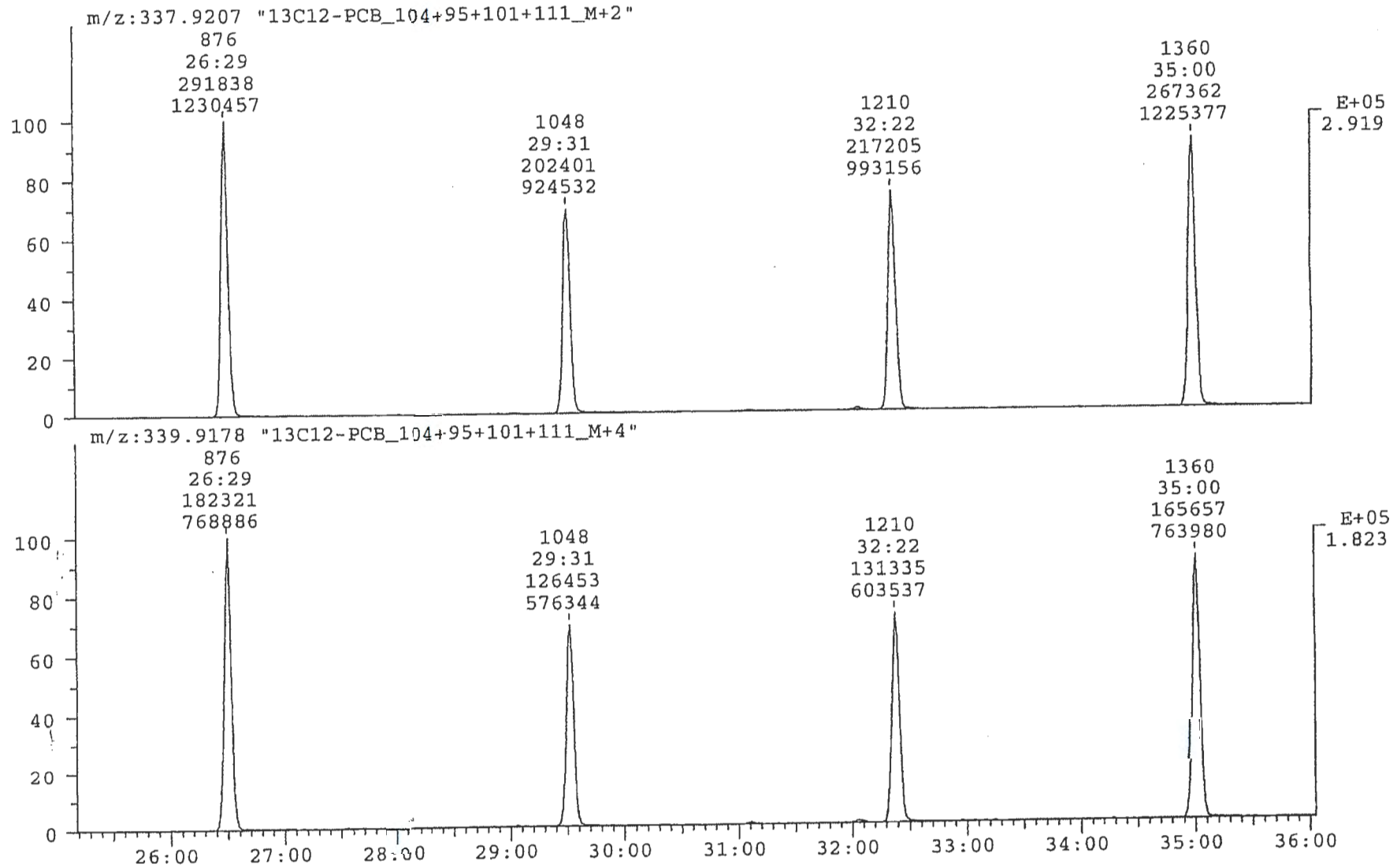
```
CHRO:  a07030741                                07-Mar-07  Elapse:  30:20      1095
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1               Start :  20:08:45   2603
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix4/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   6
Peak:  100.00  ppm      Label wndw:   1070 > 1120         Masses:  181 > 510
Area:  5, 0.50, 15      Baseline  :   100, 3              Label :  -3, 3.0
Disp:  Height  Area
```



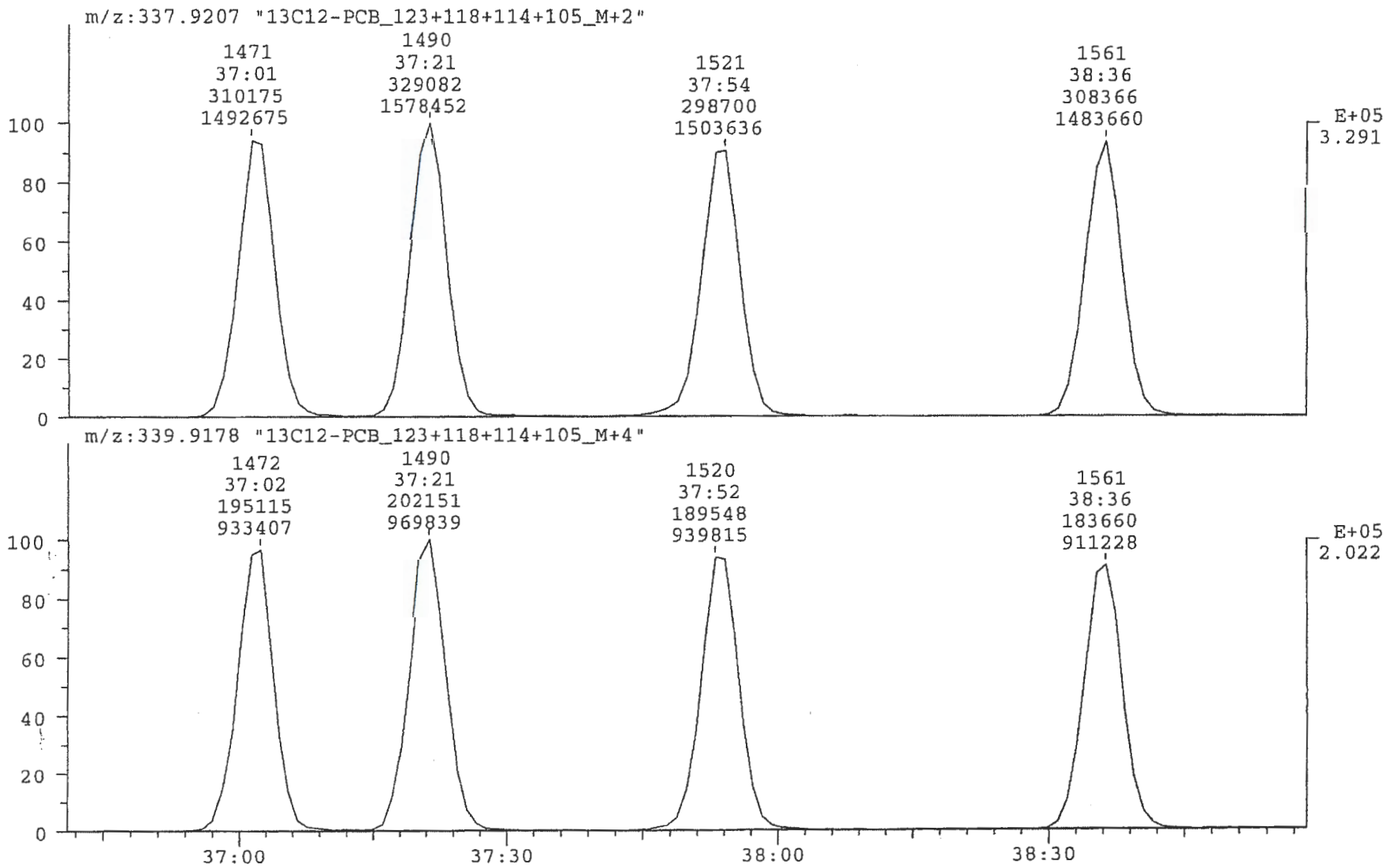
```
CHRO:  a07030741                                07-Mar-07  Elapse:  34:07      1310
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1               Start :  20:08:45   2603
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                          Study :  1668 RT Mix4/Run1
Oper:  DCG            Client:  STL Knoxville              Inlet :  GC     Vial   6
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
```



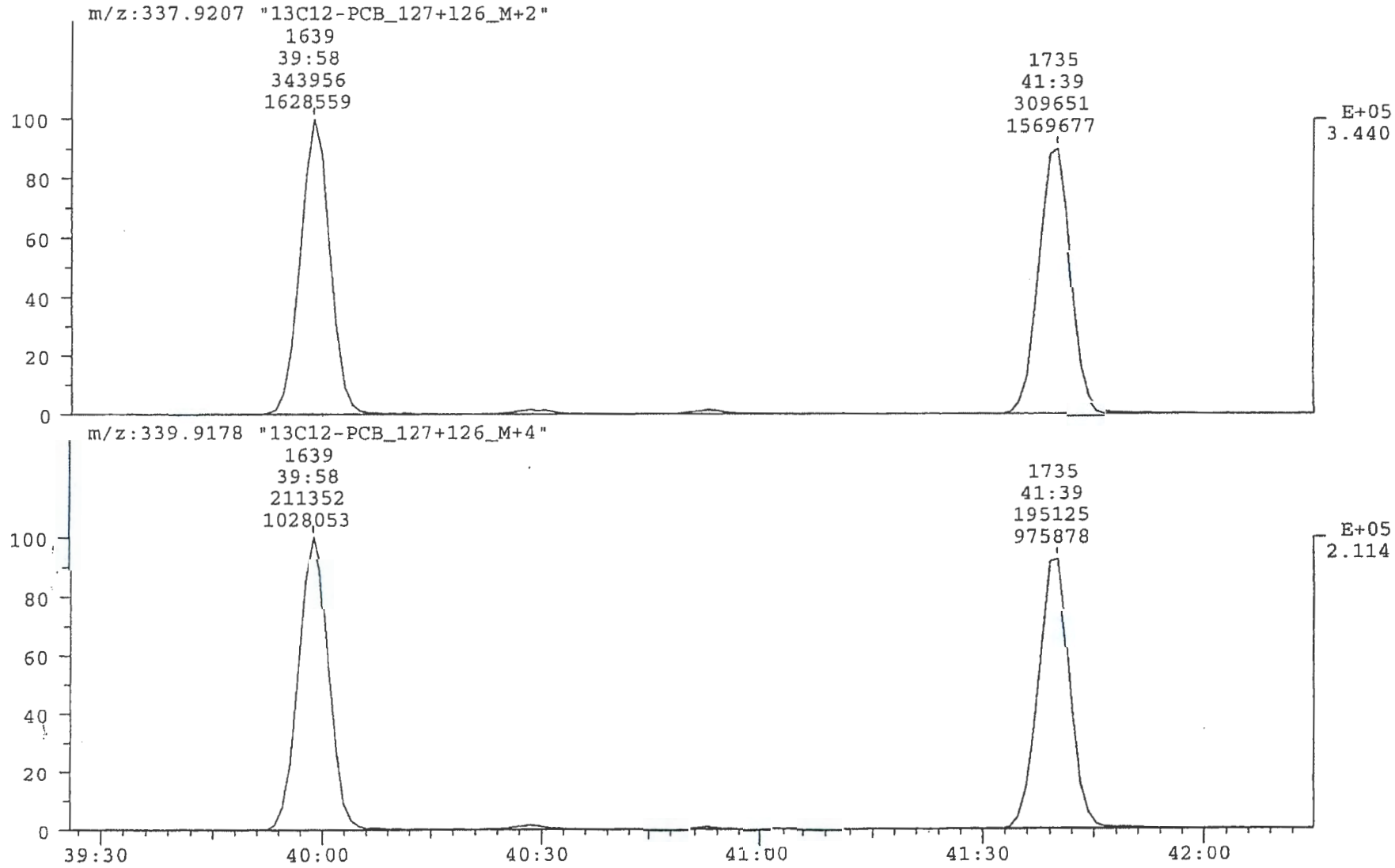
CHRO: a07030741 07-Mar-07 Elapse: 30:36 1110
Samp: Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1 Start : 20:08:45 2603
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix4/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 6
Peak: 100.00 ppm Label wndw: 802 > 1419 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



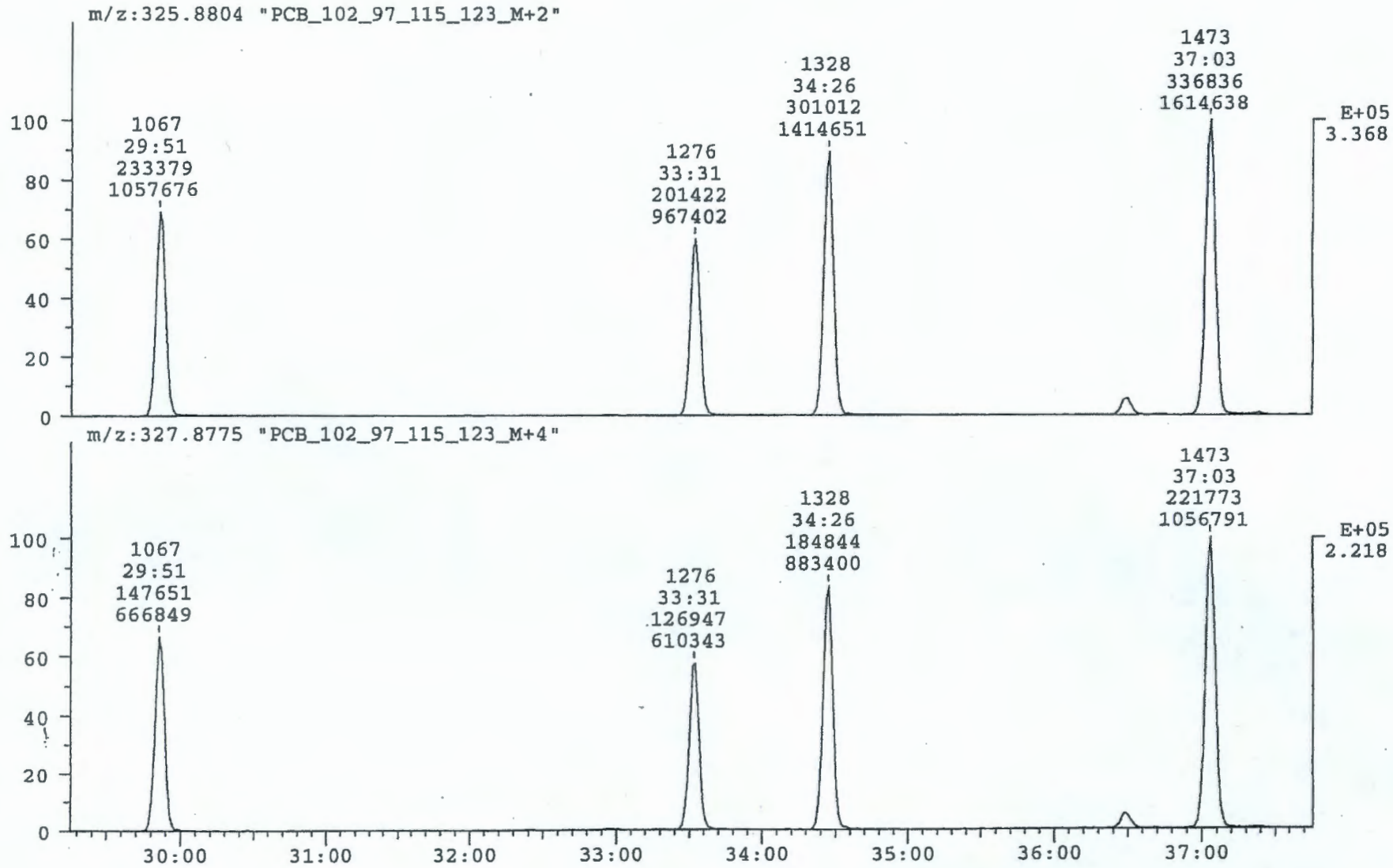
```
CHRO:  a07030741                                07-Mar-07   Elapse:  37:49      1517
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1                 Start :  20:08:45   2603
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix4/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial  6
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
```



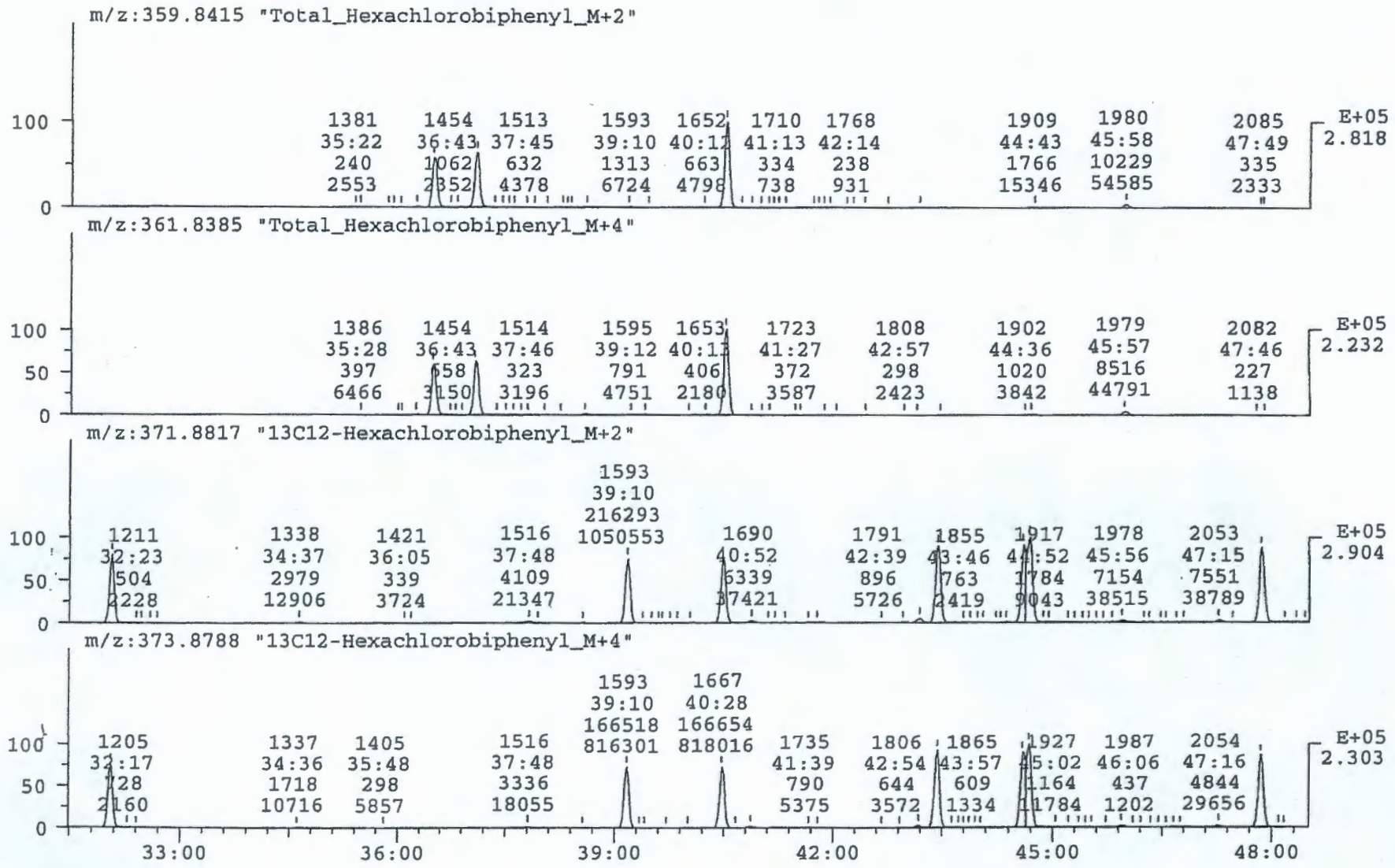
```
CHRO:  a07030741                                07-Mar-07   Elapse:  40:50      1688
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1                 Start :  20:08:45   2603
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix4/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   6
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: a07030741 07-Mar-07 Elapse: 33:28 1273
Samp: Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1 Start : 20:08:45 2603
Comm: Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode: EI +VE +LMR ESCAN LR NRM Study : 1668 RT Mix4/Run1
Oper: DCG Client: STL Knoxville Inlet : GC Vial 6
Peak: 100.00 ppm Label wndw: 1033 > 1513 Masses: 181 > 510
Area: 5, 0.50, 15 Baseline : 100, 3 Label : -3, 3.0
Disp: Height Area



```
CHRO:  a07030741                                07-Mar-07   Elapse:  39:58      1639
Samp:  Vial 6 WO=2990:75Mix4 Meth=IE3 Dil=1                 Start :  20:08:45   2603
Comm:  Inst=m1d/35055-03a Batch=20070307rt Ccal=20070313i
Mode:  EI +VE +LMR  ESCAN LR NRM                            Study :  1668 RT Mix4/Run1
Oper:  DCG            Client:  STL Knoxville                Inlet :  GC     Vial   6
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
```

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