

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041824\  
 Data File : VY017974.D  
 Acq On : 18 Apr 2024 14:27  
 Operator : SY/MD  
 Sample : P2147-09  
 Misc : 6.83g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 19 02:01:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 06:24:42 2024  
 Response via : Initial Calibration

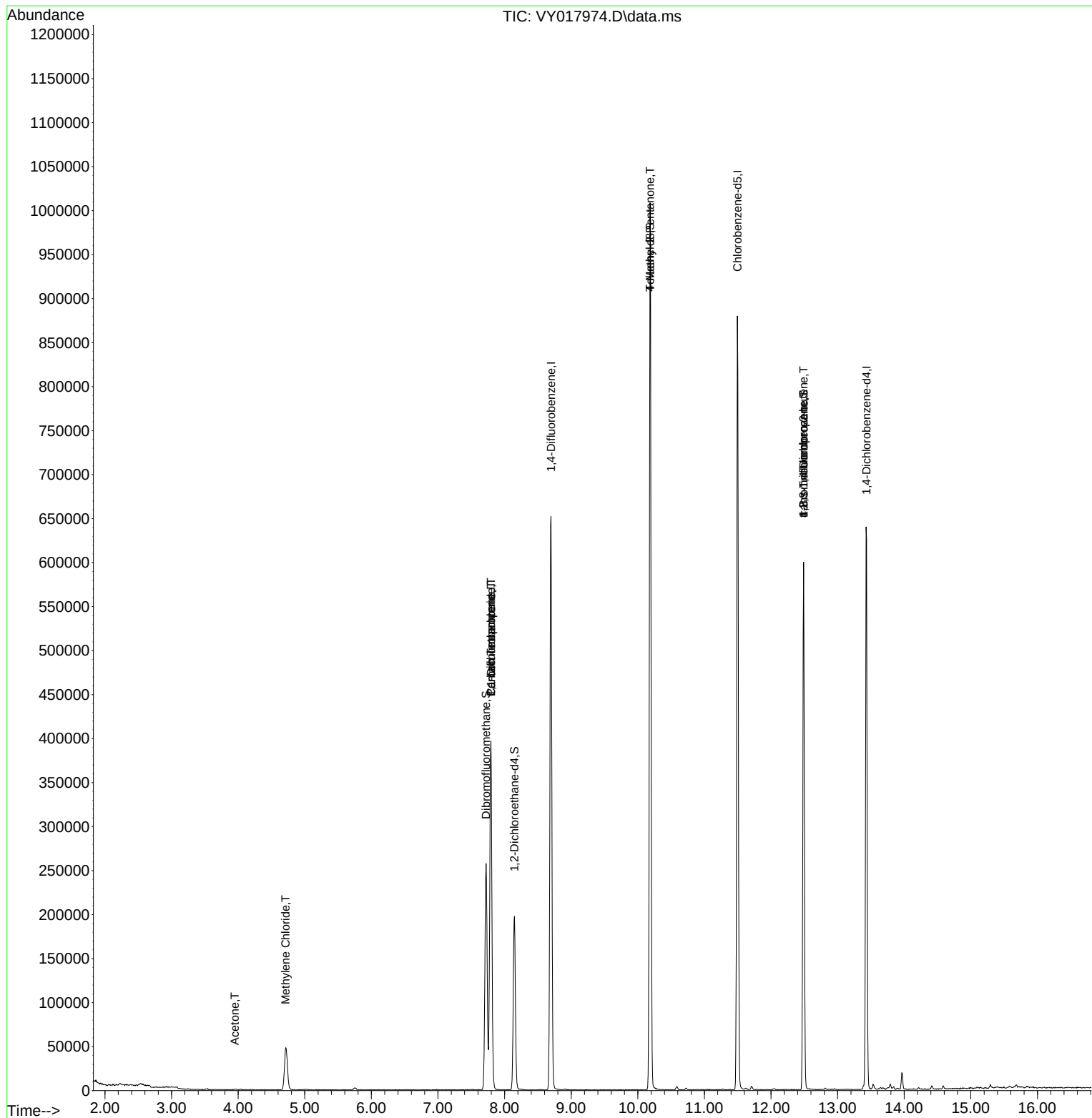
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 338220             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 601818             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 525360             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434         | 152  | 183129             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 152018             | 51.94     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 103.88% |           |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 189973             | 51.17     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 102.34% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 687024             | 48.77     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 97.54%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.489         | 95   | 176765             | 40.51     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 81.02%  |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        |          |
| 11) Tert butyl alcohol        | 4.960          | 59   | 82                 | Below Cal | #      | 88       |
| 16) Acetone                   | 3.948          | 43   | 1188               | 2.05      | ug/l # | 76       |
| 20) Methylene Chloride        | 4.710          | 84   | 40373              | 10.30     | ug/l # | 99       |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 23242              | 4.30      | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 30086              | 5.52      | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.185         | 43   | 2319               | 1.06      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.489         | 75   | 86307              | 50.22     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489         | 75   | 86307              | 103.55    | ug/l # | 16       |
| -----                         |                |      |                    |           |        |          |

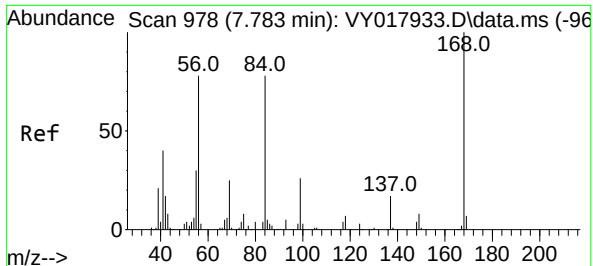
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041824\  
Data File : VY017974.D  
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Sample : P2147-09  
Misc : 6.83g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

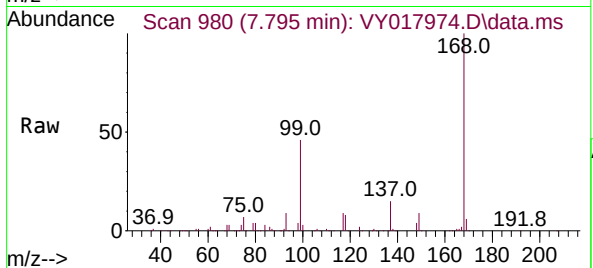
Quant Time: Apr 19 02:01:20 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 17 06:24:42 2024  
Response via : Initial Calibration



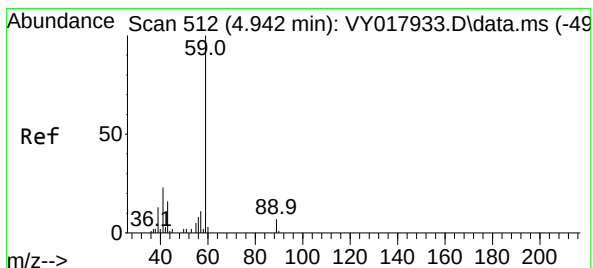
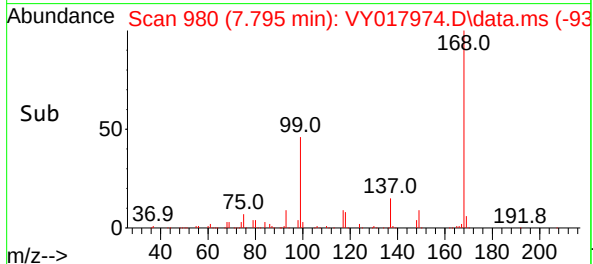
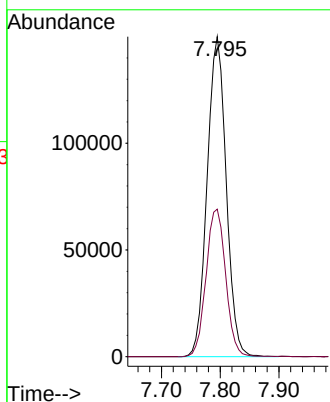


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY017974.D  
Acq: 18 Apr 2024 14:27

Instrument :  
MSVOA\_Y  
ClientSampleId :

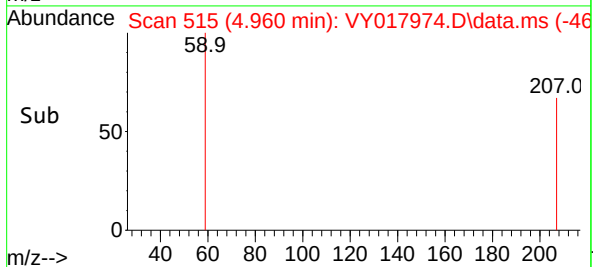
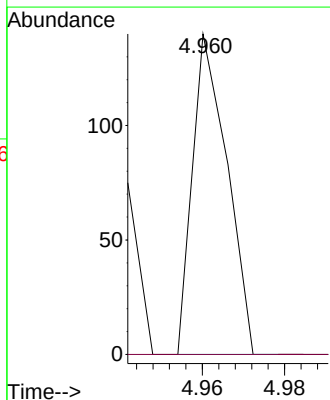
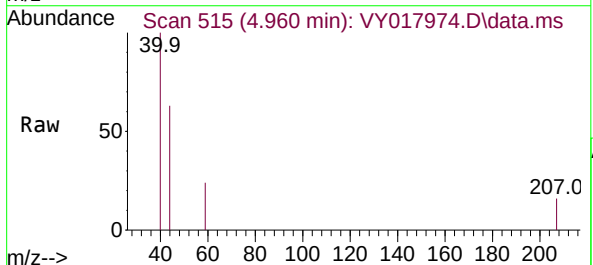


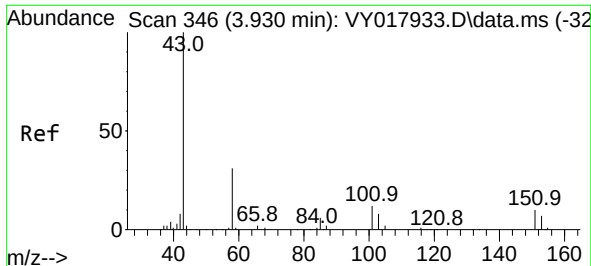
Tgt Ion:168 Resp: 338220  
Ion Ratio Lower Upper  
168 100  
99 46.1 39.1 58.7



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.960 min Scan# 515  
Delta R.T. 0.006 min  
Lab File: VY017974.D  
Acq: 18 Apr 2024 14:27

Tgt Ion: 59 Resp: 82  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#





#16

Acetone

Concen: 2.05 ug/l

RT: 3.948 min Scan# 346

Delta R.T. 0.000 min

Lab File: VY017974.D

Acq: 18 Apr 2024 14:27

Instrument :

MSVOA\_Y

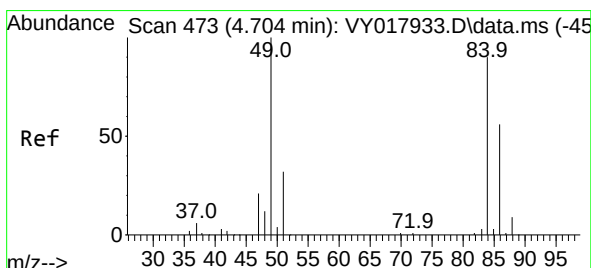
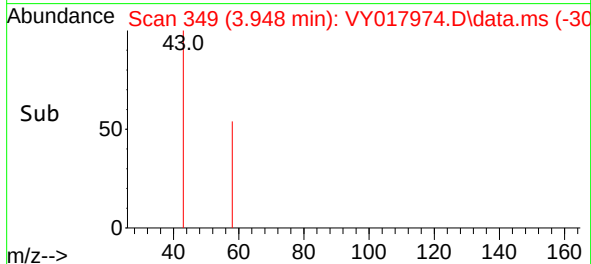
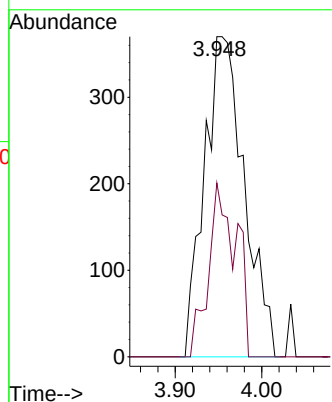
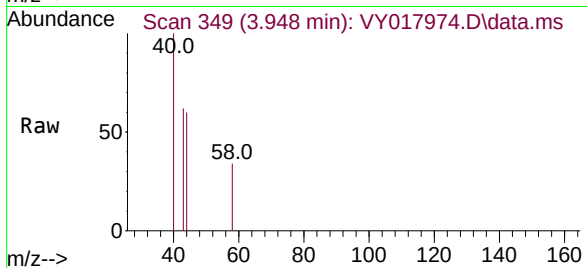
ClientSampleId :

Tgt Ion: 43 Resp: 1188

Ion Ratio Lower Upper

43 100

58 54.3 31.7 47.5#



#20

Methylene Chloride

Concen: 10.30 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY017974.D

Acq: 18 Apr 2024 14:27

Tgt Ion: 84 Resp: 40373

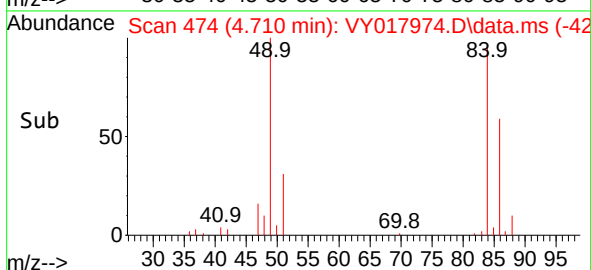
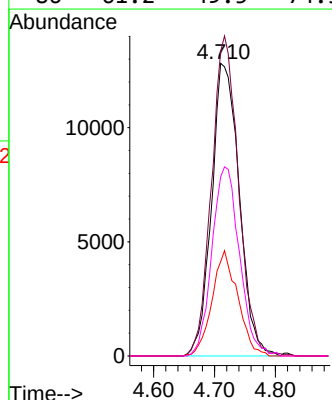
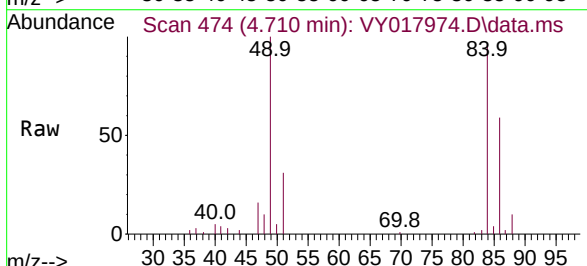
Ion Ratio Lower Upper

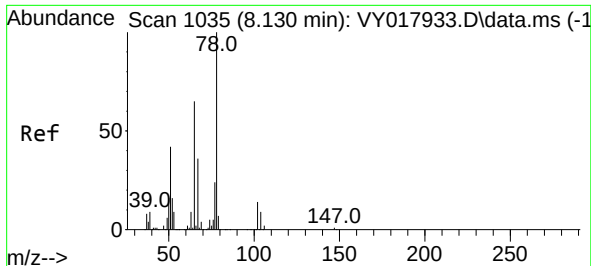
84 100

49 104.1 84.4 126.6

51 32.2 26.0 39.0

86 61.2 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 51.94 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY017974.D

Acq: 18 Apr 2024 14:27

Instrument :

MSVOA\_Y

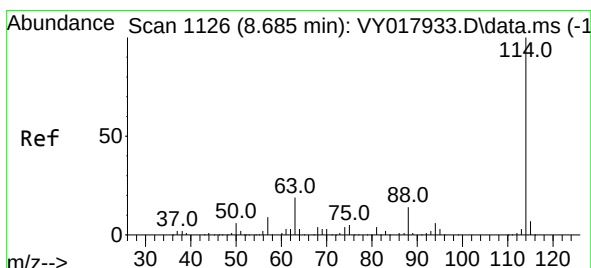
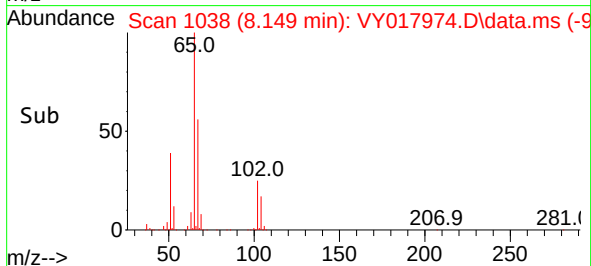
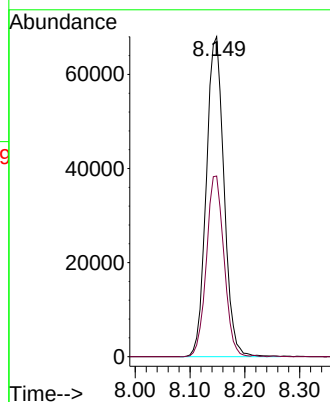
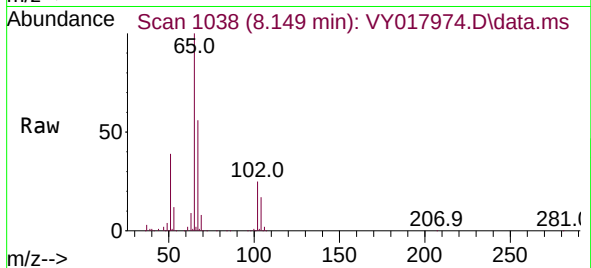
ClientSampleId :

Tgt Ion: 65 Resp: 152018

Ion Ratio Lower Upper

65 100

67 56.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017974.D

Acq: 18 Apr 2024 14:27

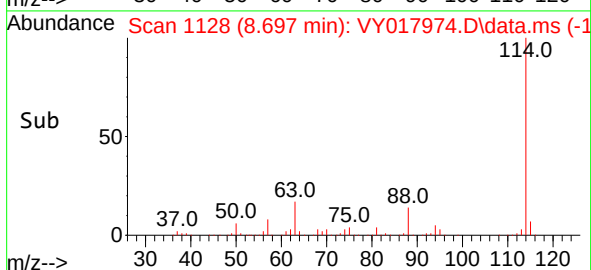
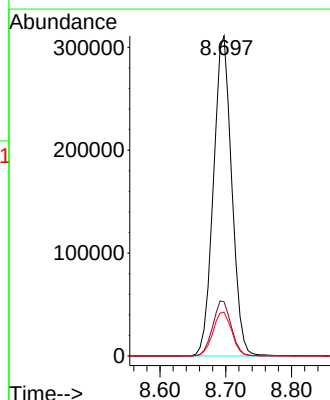
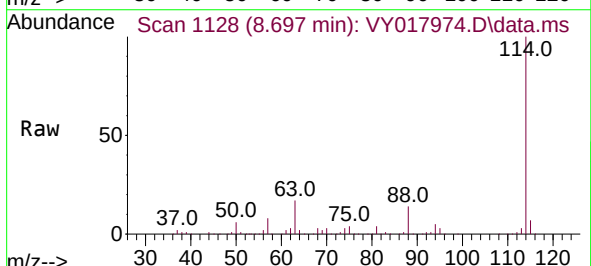
Tgt Ion: 114 Resp: 601818

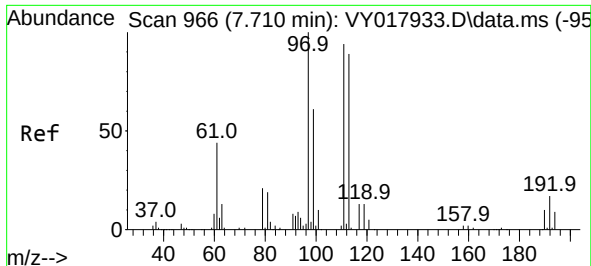
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

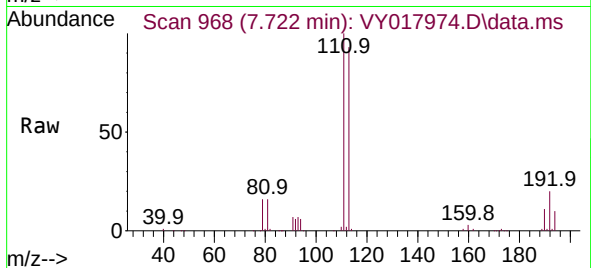
88 13.7 0.0 27.2



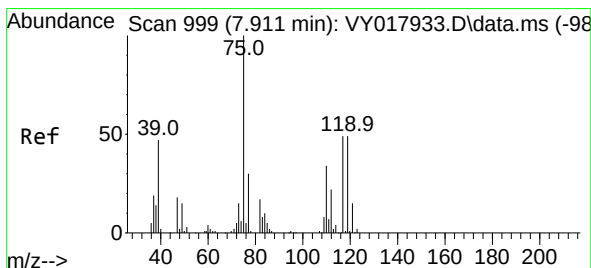
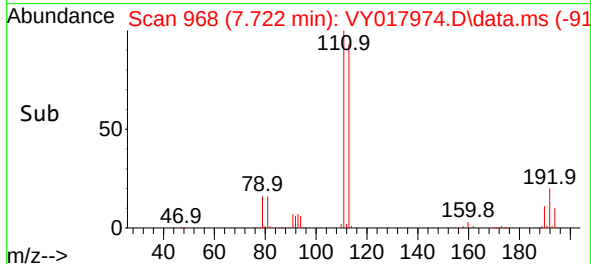
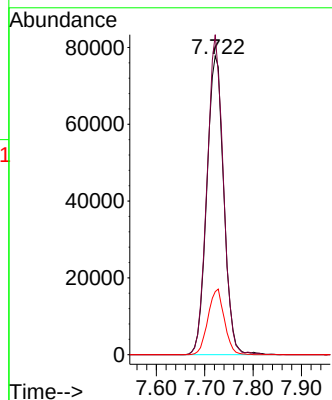


#35  
Dibromofluoromethane  
Concen: 51.17 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY017974.D  
Acq: 18 Apr 2024 14:27

Instrument :  
MSVOA\_Y  
ClientSampleId :

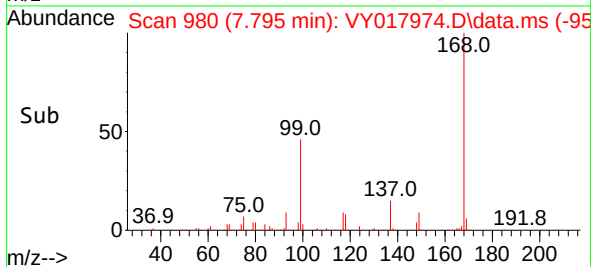
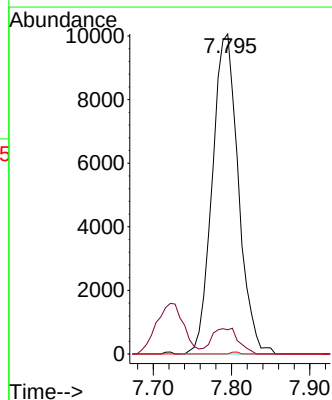
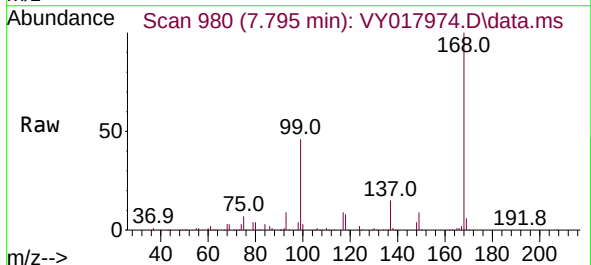


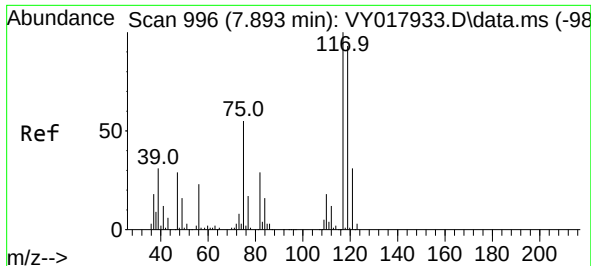
Tgt Ion:113 Resp: 189973  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.2 123.4  
192 21.1 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 4.30 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.122 min  
Lab File: VY017974.D  
Acq: 18 Apr 2024 14:27

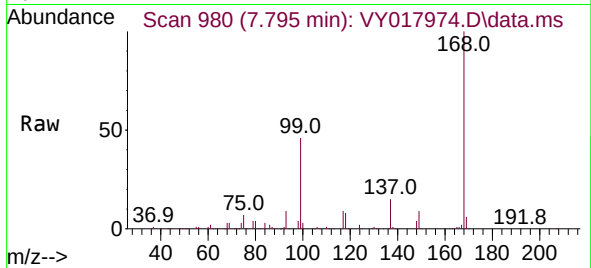
Tgt Ion: 75 Resp: 23242  
Ion Ratio Lower Upper  
75 100  
110 8.3 19.0 57.0#  
77 0.2 25.3 37.9#



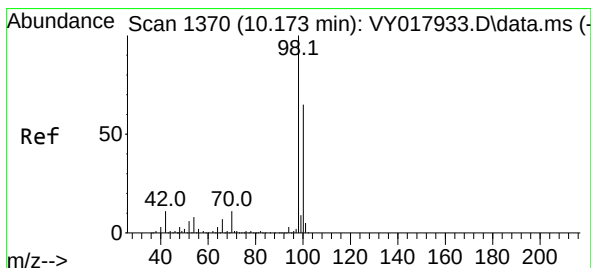
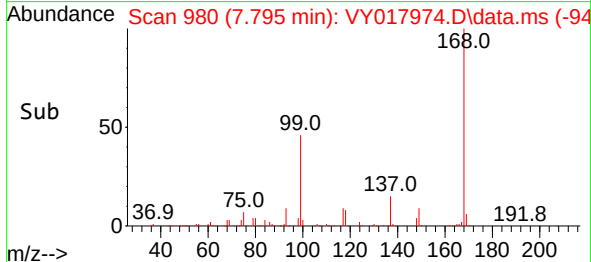
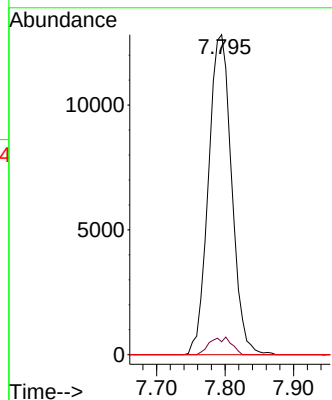


#38  
Carbon Tetrachloride  
Concen: 5.52 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY017974.D  
Acq: 18 Apr 2024 14:27

Instrument :  
MSVOA\_Y  
ClientSampleId :

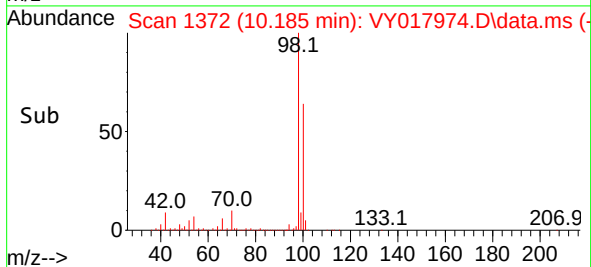
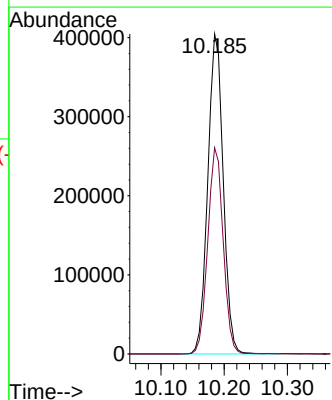
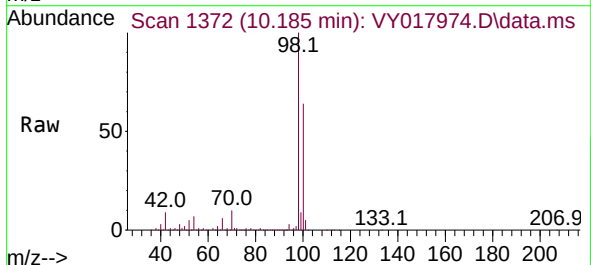


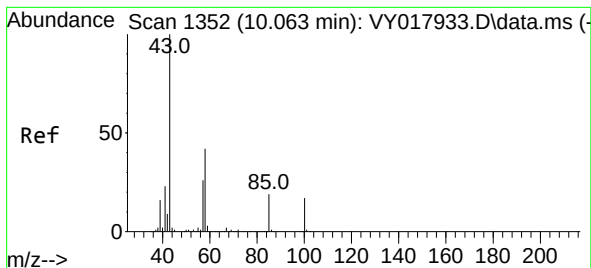
Tgt Ion:117 Resp: 30086  
Ion Ratio Lower Upper  
117 100  
119 4.1 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 48.77 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: VY017974.D  
Acq: 18 Apr 2024 14:27

Tgt Ion: 98 Resp: 687024  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.0 78.0

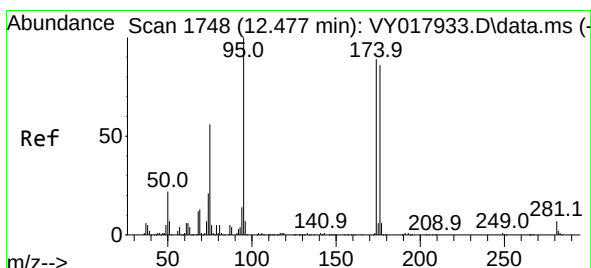
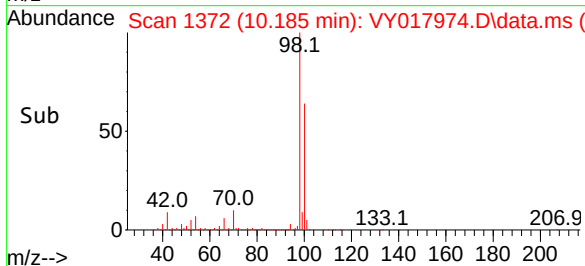
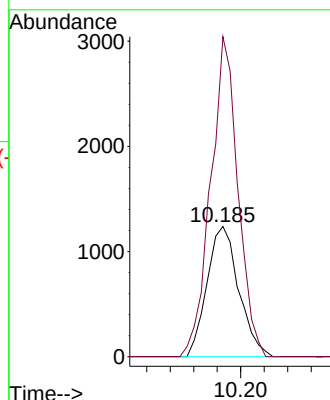
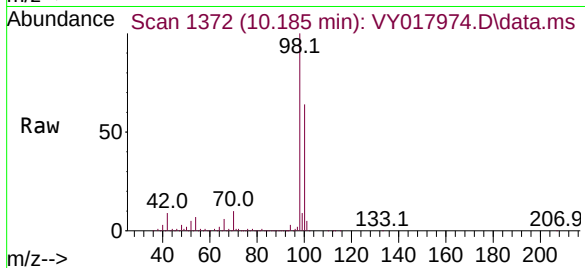




#51  
4-Methyl-2-Pentanone  
Concen: 1.06 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.116 min  
Lab File: VY017974.D  
Acq: 18 Apr 2024 14:27

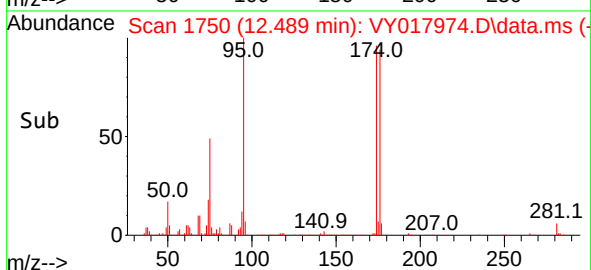
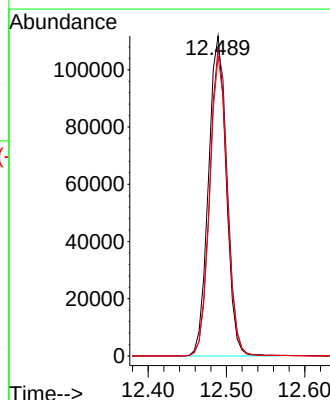
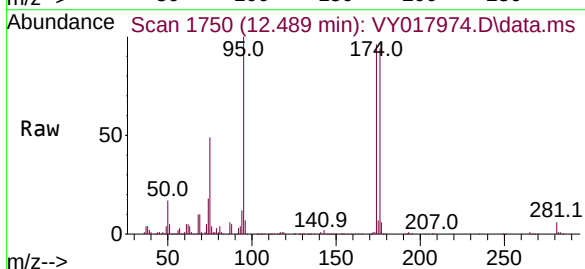
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 43 Resp: 2319  
Ion Ratio Lower Upper  
43 100  
58 212.0 35.7 53.5#

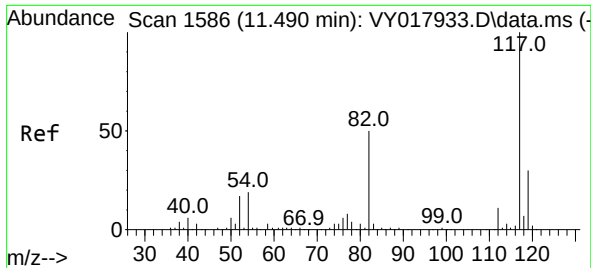


#62  
4-Bromofluorobenzene  
Concen: 40.51 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY017974.D  
Acq: 18 Apr 2024 14:27

Tgt Ion: 95 Resp: 176765  
Ion Ratio Lower Upper  
95 100  
174 96.0 0.0 175.6  
176 91.9 0.0 171.4

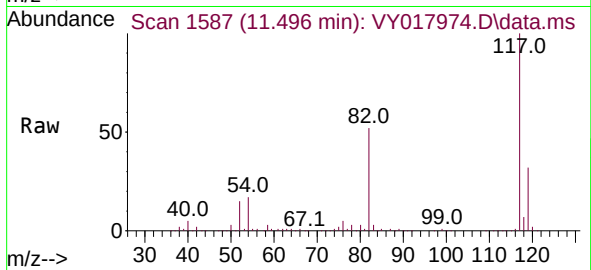




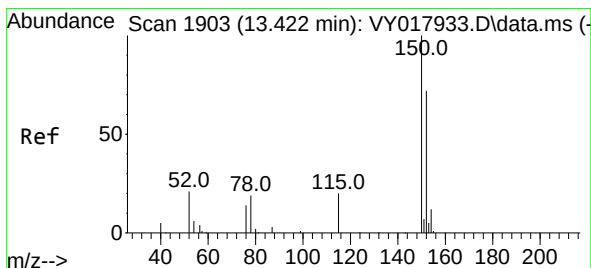
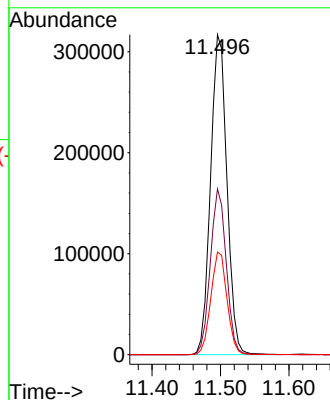
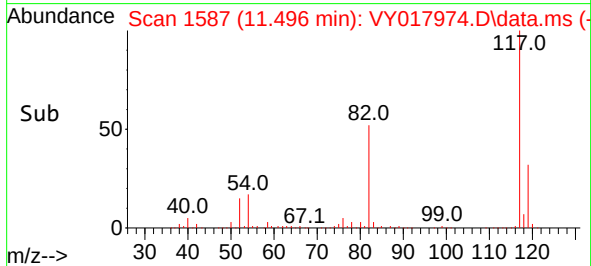


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VY017974.D  
Acq: 18 Apr 2024 14:27

Instrument :  
MSVOA\_Y  
ClientSampleId :

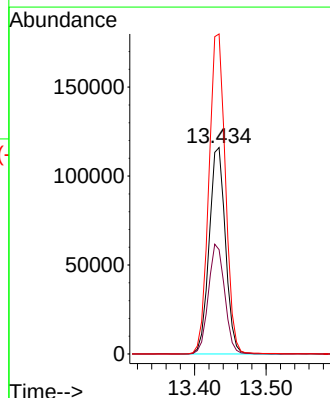
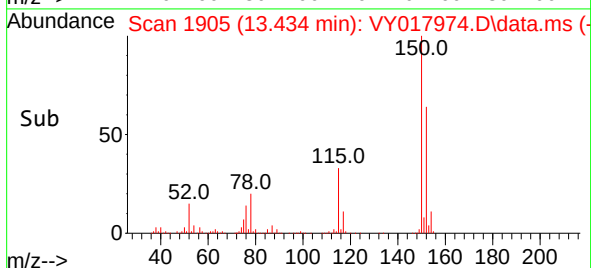
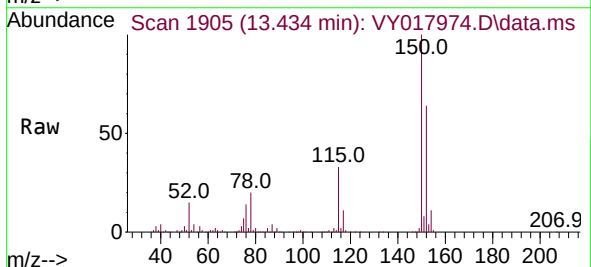


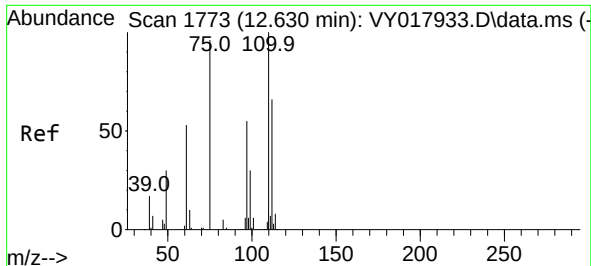
Tgt Ion:117 Resp: 525360  
Ion Ratio Lower Upper  
117 100  
82 51.8 42.4 63.6  
119 32.0 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.006 min  
Lab File: VY017974.D  
Acq: 18 Apr 2024 14:27

Tgt Ion:152 Resp: 183129  
Ion Ratio Lower Upper  
152 100  
115 53.3 28.2 84.7  
150 157.8 0.0 345.6

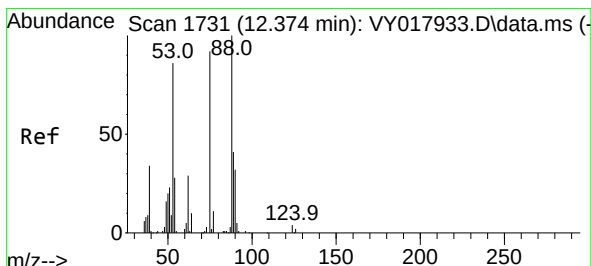
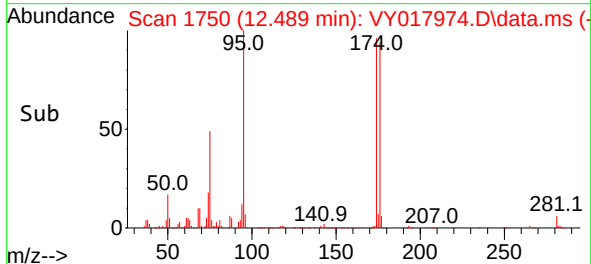
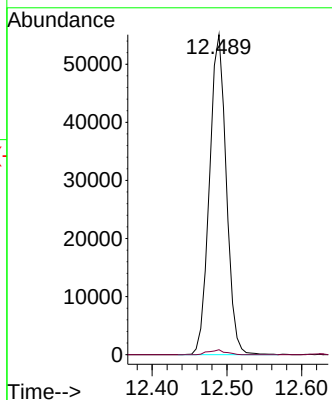
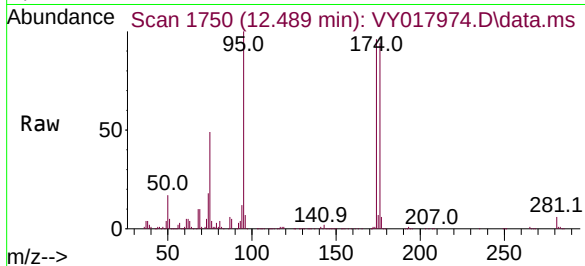




#76  
1,2,3-Trichloropropane  
Concen: 50.22 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.146 min  
Lab File: VY017974.D  
Acq: 18 Apr 2024 14:27

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 86307  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 103.55 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.110 min  
Lab File: VY017974.D  
Acq: 18 Apr 2024 14:27

Tgt Ion: 75 Resp: 86307  
Ion Ratio Lower Upper  
75 100  
53 0.1 66.8 100.2#  
89 0.0 35.8 53.6#

