

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120424\  
 Data File : VY020511.D  
 Acq On : 04 Dec 2024 13:16  
 Operator : SY/MD  
 Sample : P5072-03  
 Misc : 5.32g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 05 03:25:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 01:39:23 2024  
 Response via : Initial Calibration

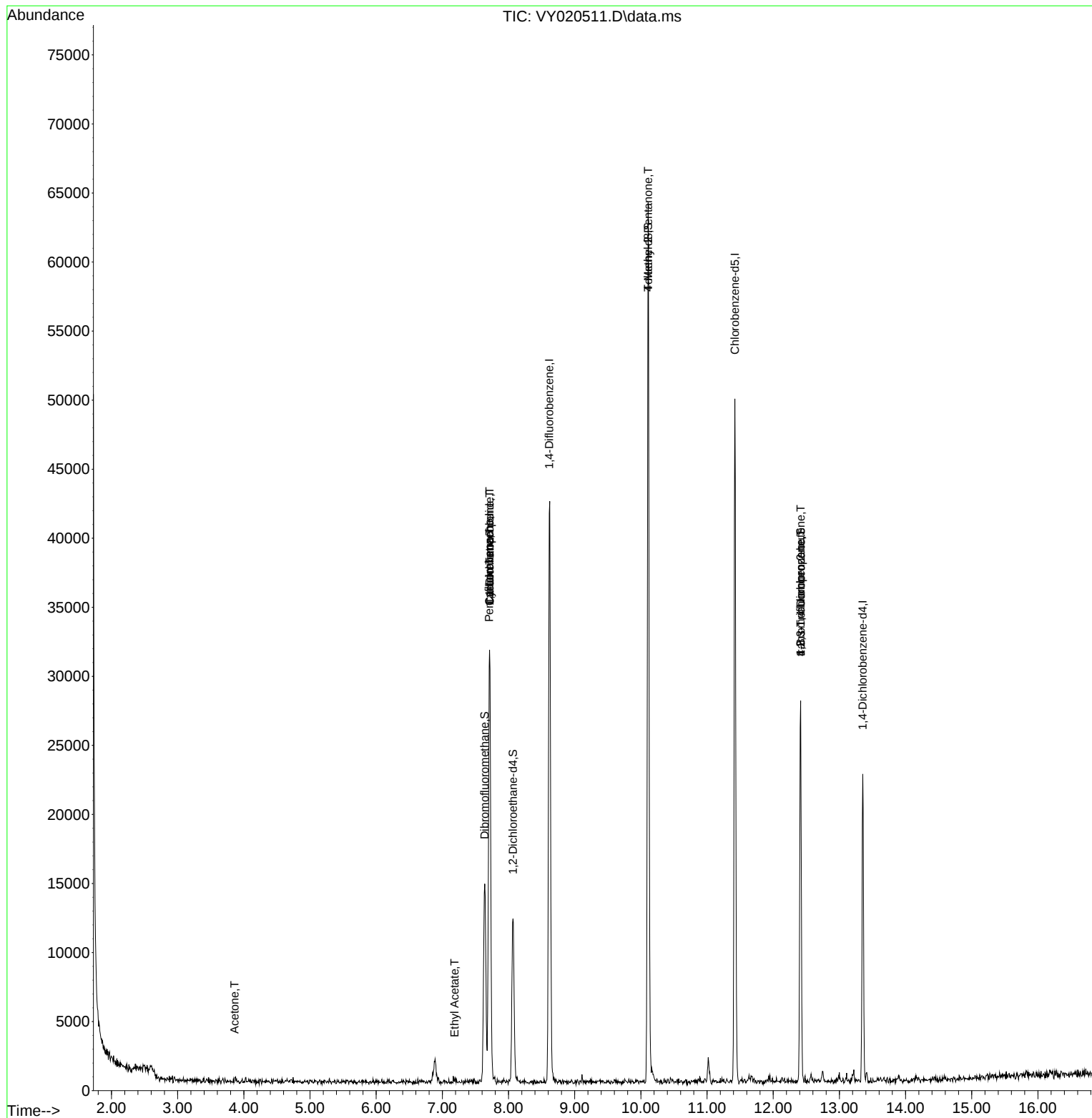
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 24987    | 50.000   | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 37123    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 25987    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353 | 152   | 5557     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 10755    | 42.322   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 84.640%  |
| 35) Dibromofluoromethane      | 7.640  | 113   | 10862    | 46.477   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 92.960%  |
| 50) Toluene-d8                | 10.109 | 98    | 41900    | 47.083   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 94.160%  |
| 62) 4-Bromofluorobenzene      | 12.414 | 95    | 8576     | 27.554   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery | =      | 55.100%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 3.860  | 43    | 301      | 4.764    | ug/l   | 93       |
| 31) Cyclohexane               | 7.713  | 56    | 580      | 1.158    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 1970     | 4.992    | ug/l # | 45       |
| 37) Ethyl Acetate             | 7.183  | 43    | 301      | 1.925    | ug/l # | 70       |
| 38) Carbon Tetrachloride      | 7.713  | 117   | 2453     | 5.208    | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.109 | 43    | 193      | 1.238    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.414 | 75    | 4464     | 78.858   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.414 | 75    | 4464     | 161.804  | ug/l # | 9        |
| -----                         |        |       |          |          |        |          |

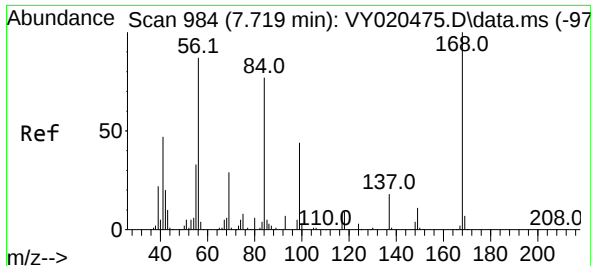
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 03 01:39:23 2024  
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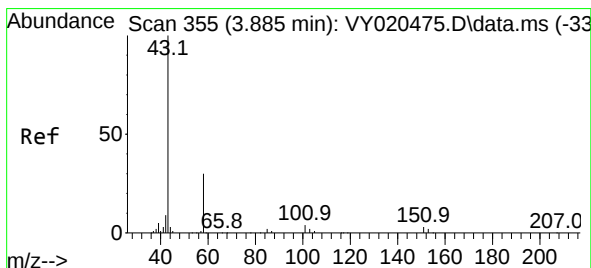
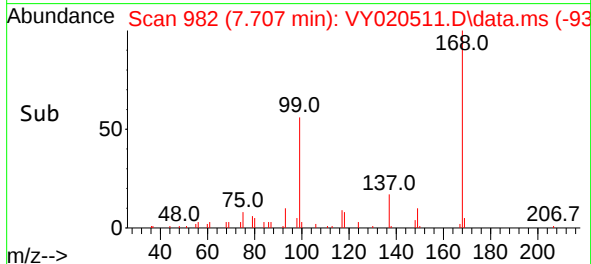
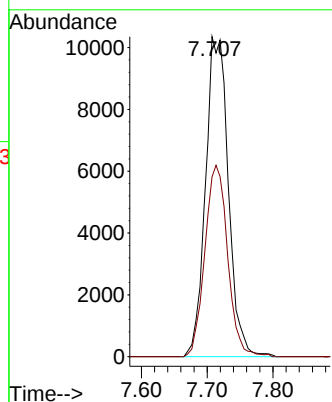
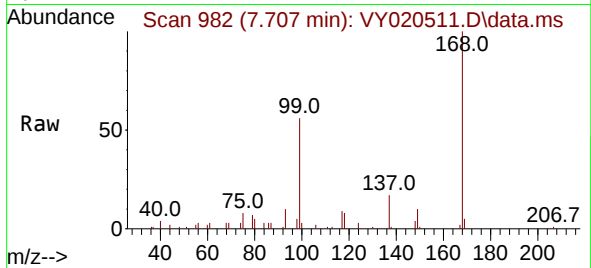




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY020511.D  
Acq: 04 Dec 2024 13:16

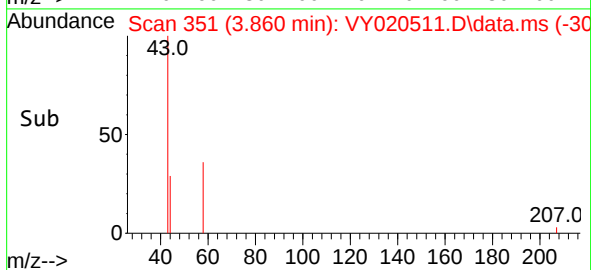
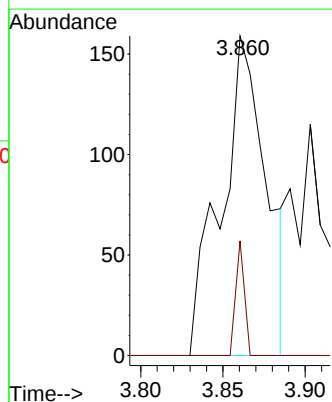
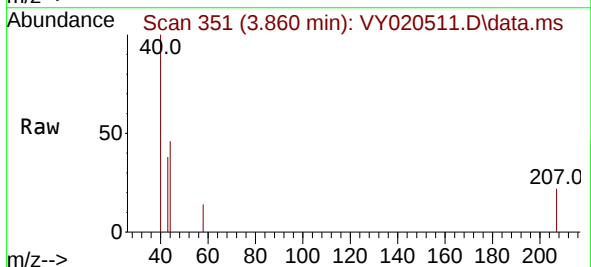
Instrument :  
MSVOA\_Y  
ClientSampleId :

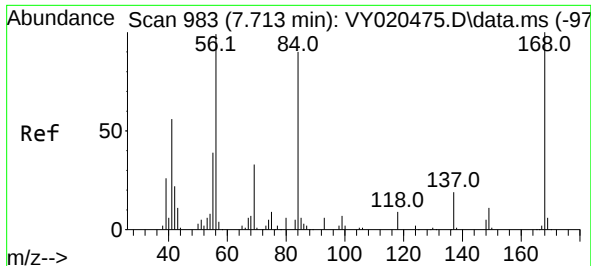
Tgt Ion:168 Resp: 24987  
Ion Ratio Lower Upper  
168 100  
99 56.2 46.6 69.8



#16  
Acetone  
Concen: 4.764 ug/l  
RT: 3.860 min Scan# 351  
Delta R.T. -0.024 min  
Lab File: VY020511.D  
Acq: 04 Dec 2024 13:16

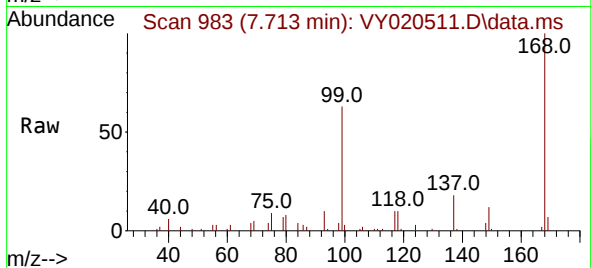
Tgt Ion: 43 Resp: 301  
Ion Ratio Lower Upper  
43 100  
58 35.8 25.7 38.5



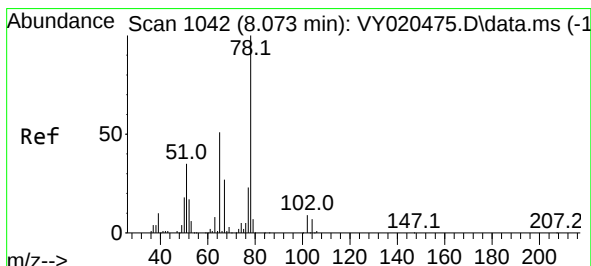
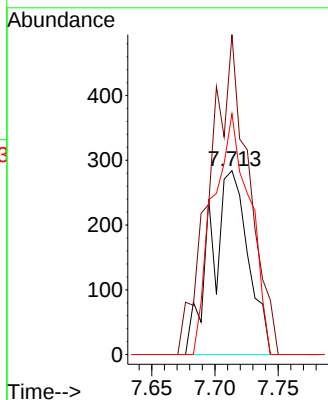
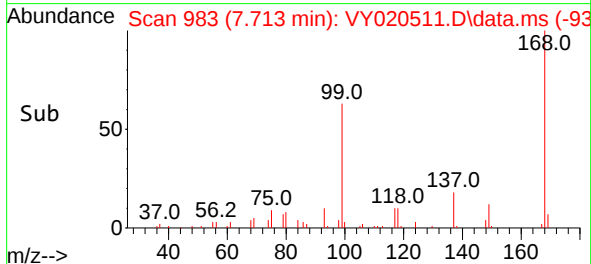


#31  
Cyclohexane  
Concen: 1.158 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020511.D  
Acq: 04 Dec 2024 13:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

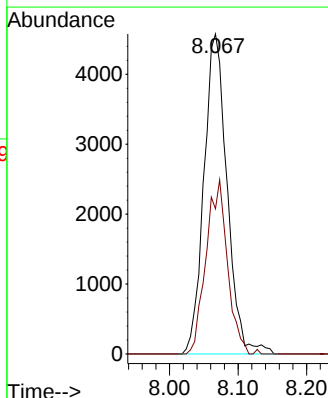
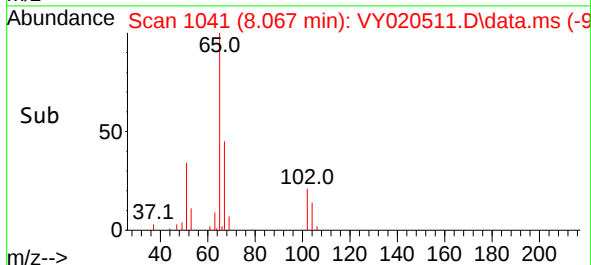
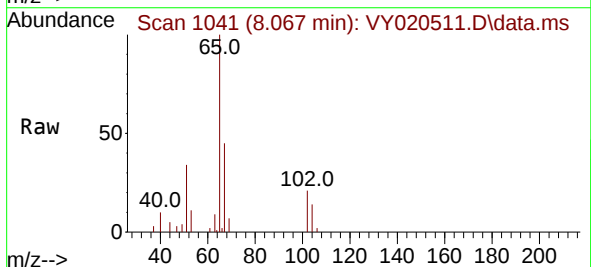


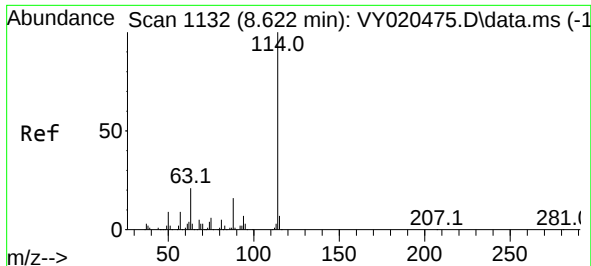
Tgt Ion: 56 Resp: 580  
Ion Ratio Lower Upper  
56 100  
69 173.9 25.3 37.9#  
84 131.0 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 42.322 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.006 min  
Lab File: VY020511.D  
Acq: 04 Dec 2024 13:16

Tgt Ion: 65 Resp: 10755  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY020511.D

Acq: 04 Dec 2024 13:16

Instrument :

MSVOA\_Y

ClientSampleId :

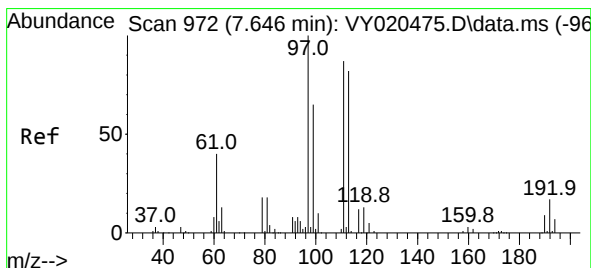
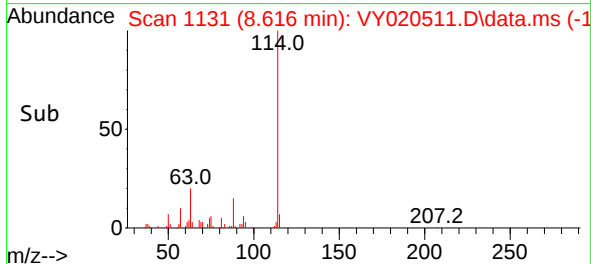
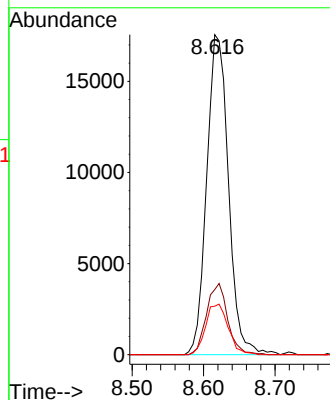
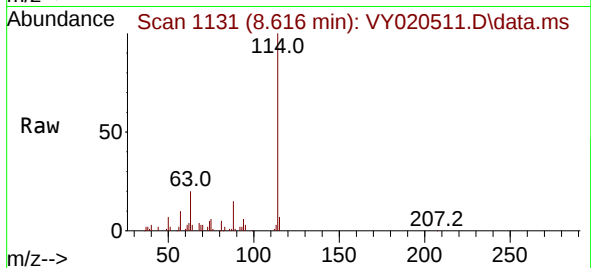
Tgt Ion:114 Resp: 37123

Ion Ratio Lower Upper

114 100

63 20.3 0.0 44.8

88 15.1 0.0 32.0



#35

Dibromofluoromethane

Concen: 46.477 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.006 min

Lab File: VY020511.D

Acq: 04 Dec 2024 13:16

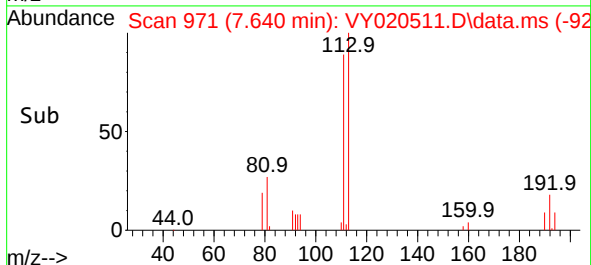
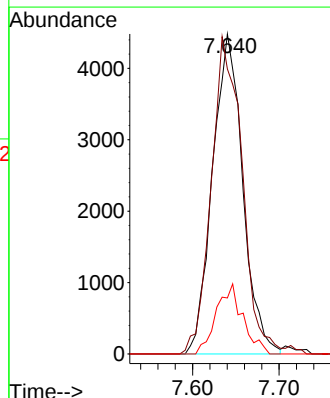
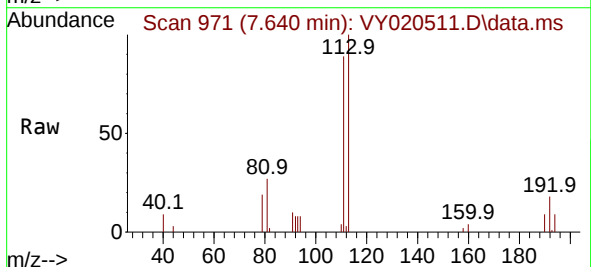
Tgt Ion:113 Resp: 10862

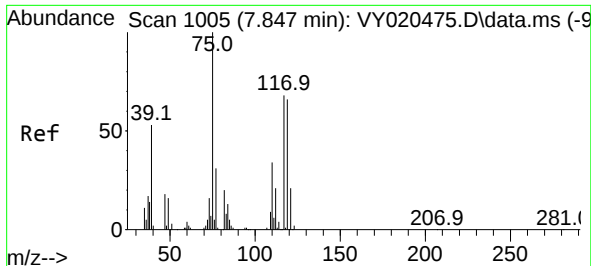
Ion Ratio Lower Upper

113 100

111 101.0 81.4 122.0

192 19.1 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.992 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.134 min

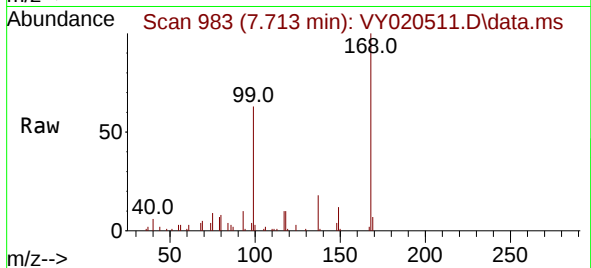
Lab File: VY020511.D

Acq: 04 Dec 2024 13:16

Instrument :

MSVOA\_Y

ClientSampleId :



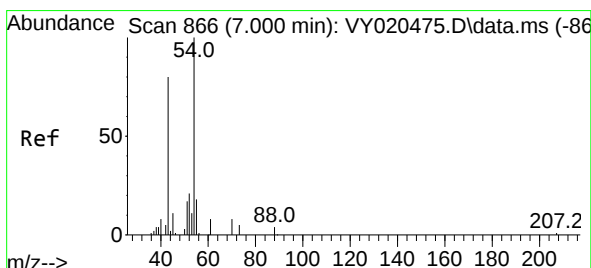
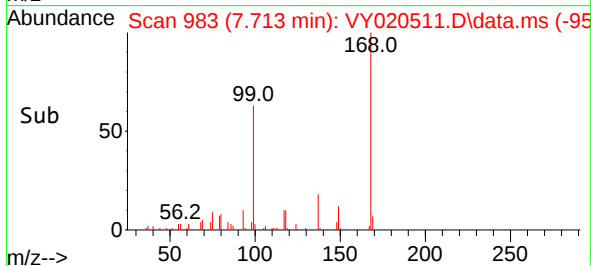
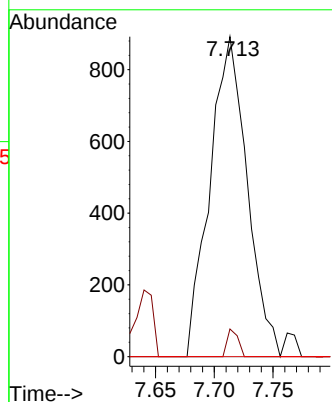
Tgt Ion: 75 Resp: 1970

Ion Ratio Lower Upper

75 100

110 2.5 16.7 50.0#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 1.925 ug/l

RT: 7.183 min Scan# 896

Delta R.T. 0.183 min

Lab File: VY020511.D

Acq: 04 Dec 2024 13:16

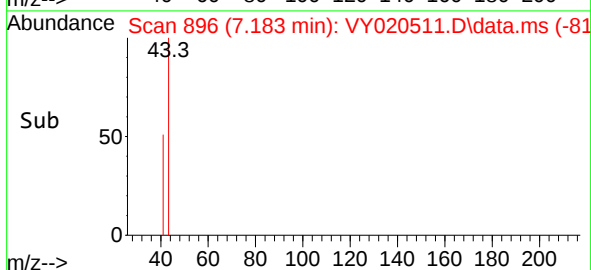
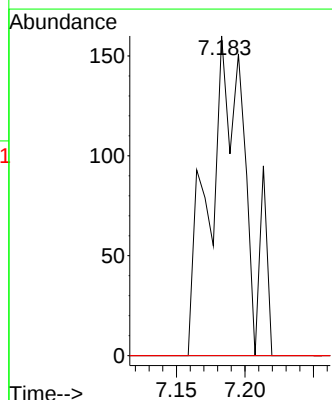
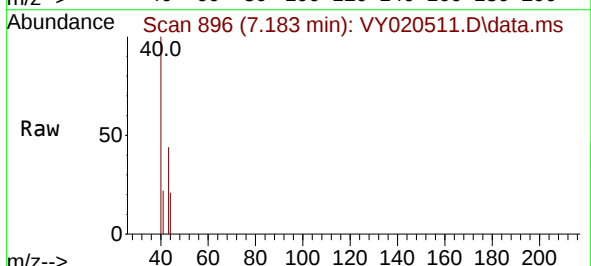
Tgt Ion: 43 Resp: 301

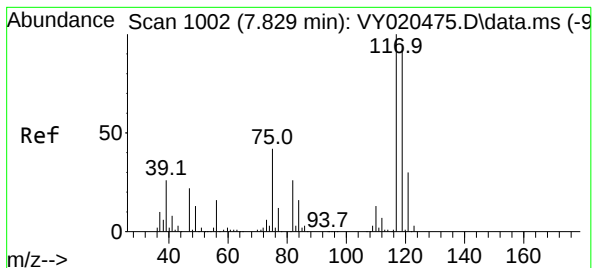
Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 7.3 10.9#





#38

Carbon Tetrachloride

Concen: 5.208 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.116 min

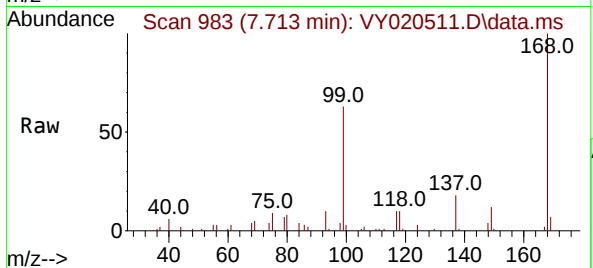
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Acq: 04 Dec 2024 13:16

Instrument :

MSVOA\_Y

ClientSampleId :



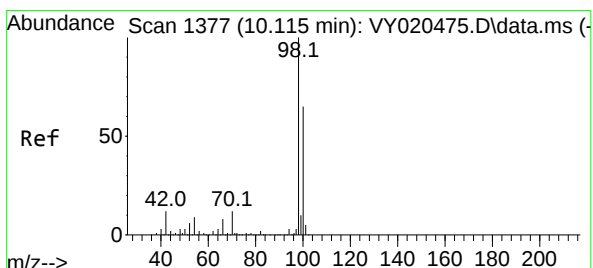
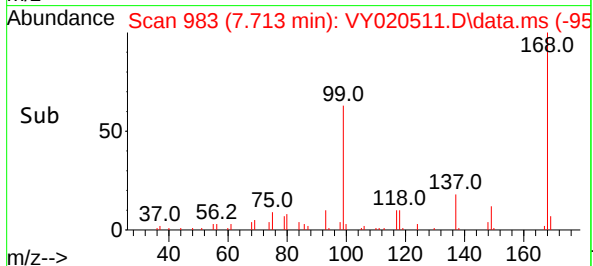
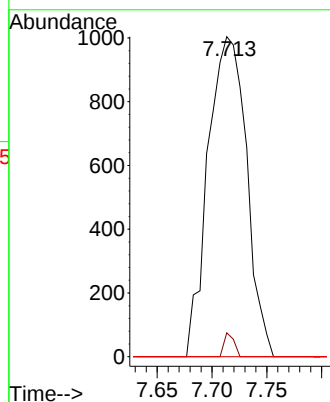
Tgt Ion:117 Resp: 2453

Ion Ratio Lower Upper

117 100

119 7.5 77.8 116.6#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 47.083 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY020511.D

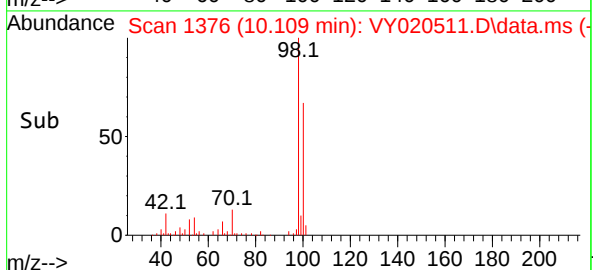
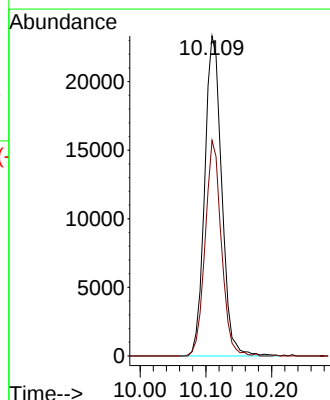
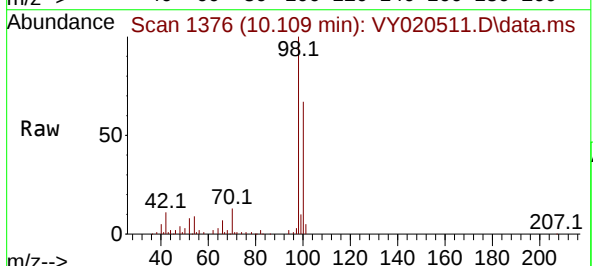
Acq: 04 Dec 2024 13:16

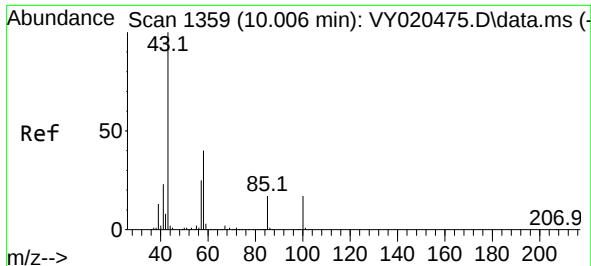
Tgt Ion: 98 Resp: 41900

Ion Ratio Lower Upper

98 100

100 64.4 51.3 76.9

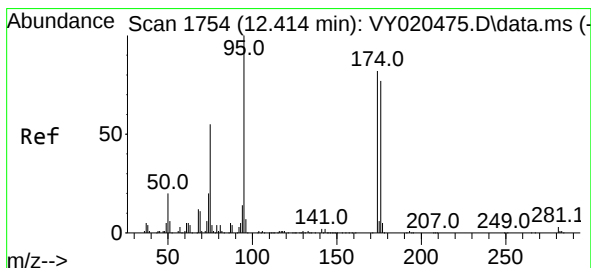
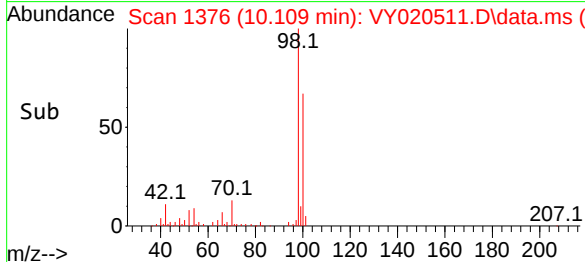
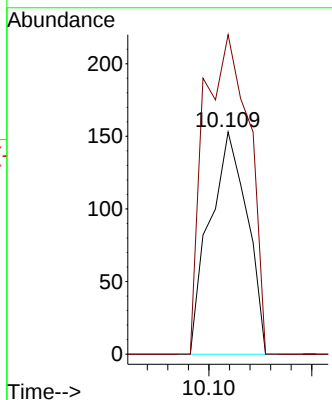
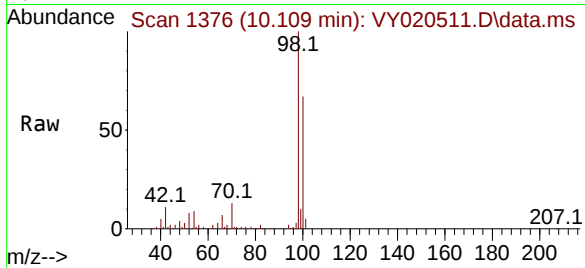




#51  
4-Methyl-2-Pentanone  
Concen: 1.238 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.104 min  
Lab File: VY020511.D  
Acq: 04 Dec 2024 13:16

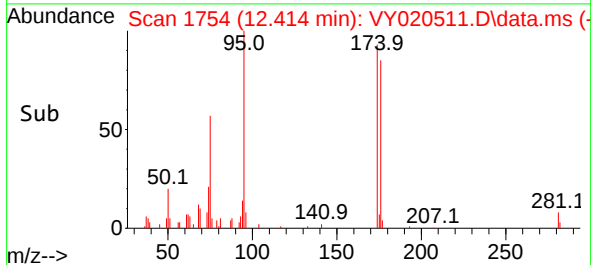
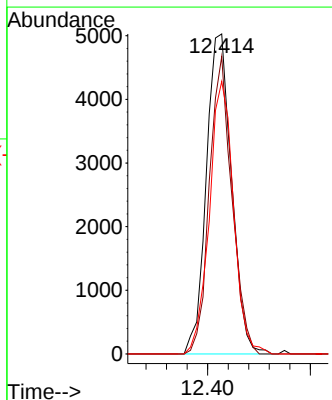
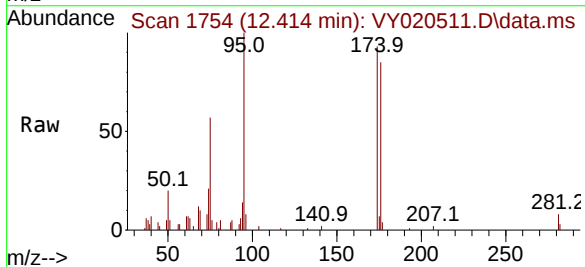
Instrument :  
MSVOA\_Y  
ClientSampleId :

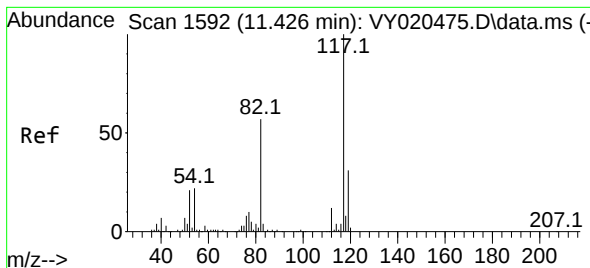
Tgt Ion: 43 Resp: 193  
Ion Ratio Lower Upper  
43 100  
58 173.1 30.9 46.3#



#62  
4-Bromofluorobenzene  
Concen: 27.554 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. 0.000 min  
Lab File: VY020511.D  
Acq: 04 Dec 2024 13:16

Tgt Ion: 95 Resp: 8576  
Ion Ratio Lower Upper  
95 100  
174 82.9 0.0 156.8  
176 81.5 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020511.D

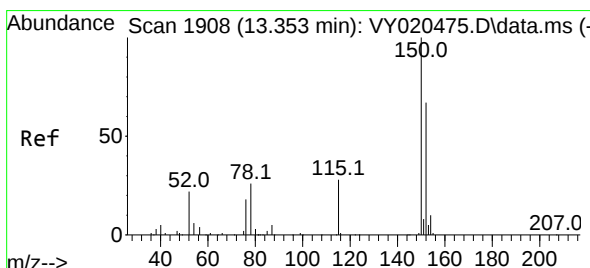
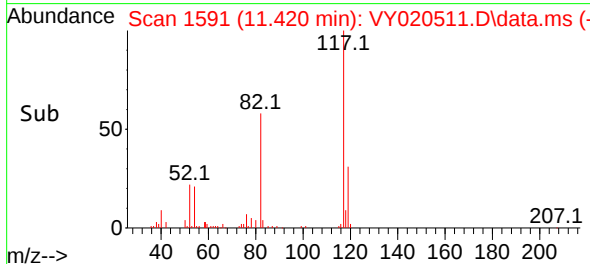
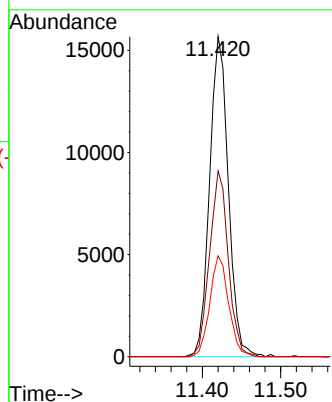
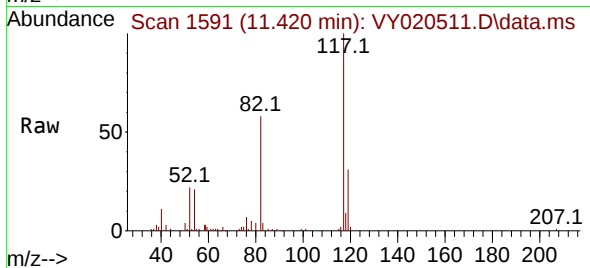
Acq: 04 Dec 2024 13:16

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 25987 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 58.1  | 48.2  | 72.4  |
| 119      | 31.5  | 25.8  | 38.8  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

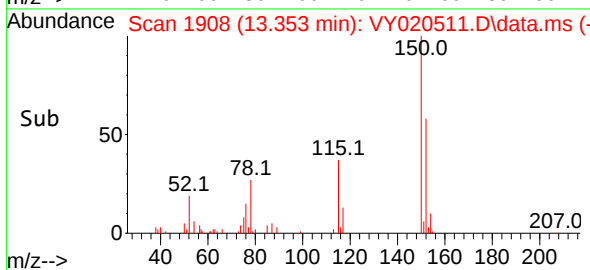
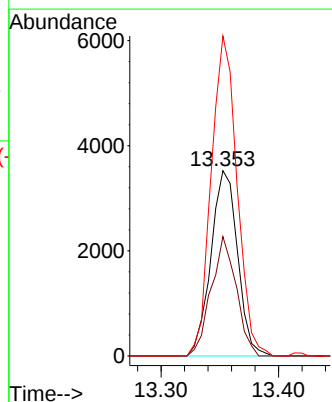
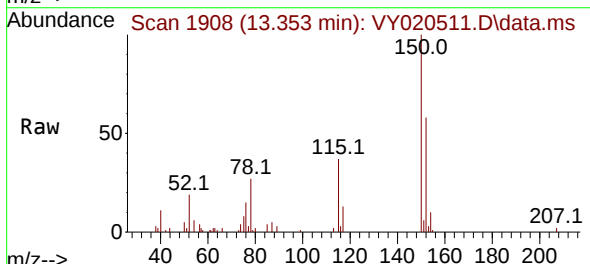
RT: 13.353 min Scan# 1908

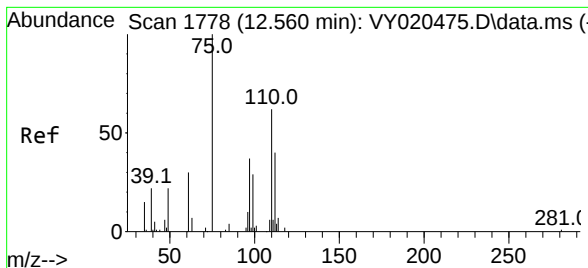
Delta R.T. 0.000 min

Lab File: VY020511.D

Acq: 04 Dec 2024 13:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 5557  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 60.6  | 30.0  | 90.0  |
| 150      | 167.0 | 0.0   | 348.2 |

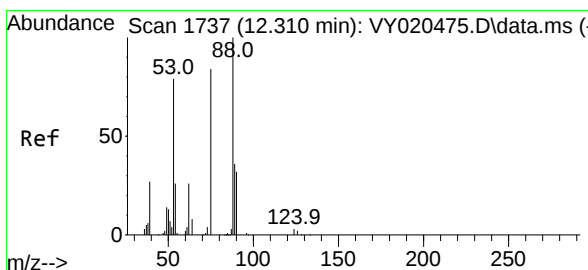
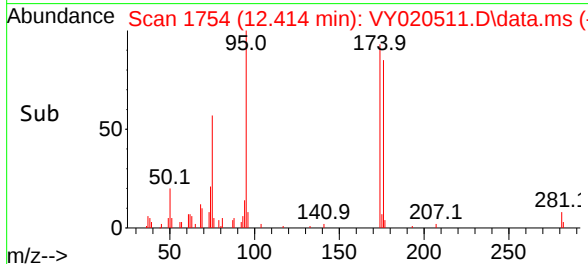
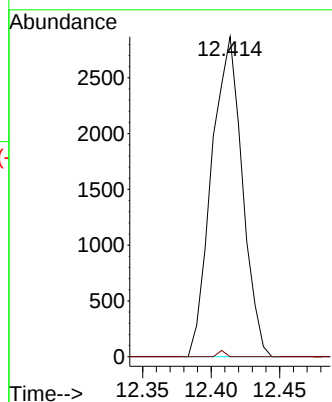
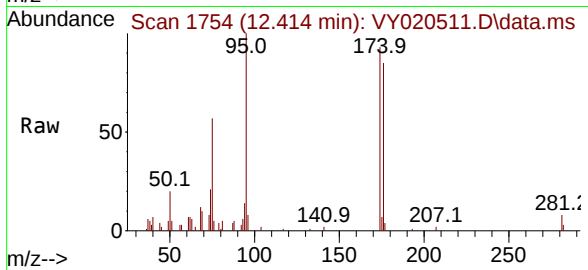




#76  
1,2,3-Trichloropropane  
Concen: 78.858 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. -0.146 min  
Lab File: VY020511.D  
Acq: 04 Dec 2024 13:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 4464  
Ion Ratio Lower Upper  
75 100  
77 0.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 161.804 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. 0.104 min  
Lab File: VY020511.D  
Acq: 04 Dec 2024 13:16

Tgt Ion: 75 Resp: 4464  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.1 121.7#  
89 0.0 35.1 52.7#

