

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021025\  
 Data File : VY021156.D  
 Acq On : 10 Feb 2025 14:50  
 Operator : SY/MD  
 Sample : Q1314-03  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 11 00:31:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

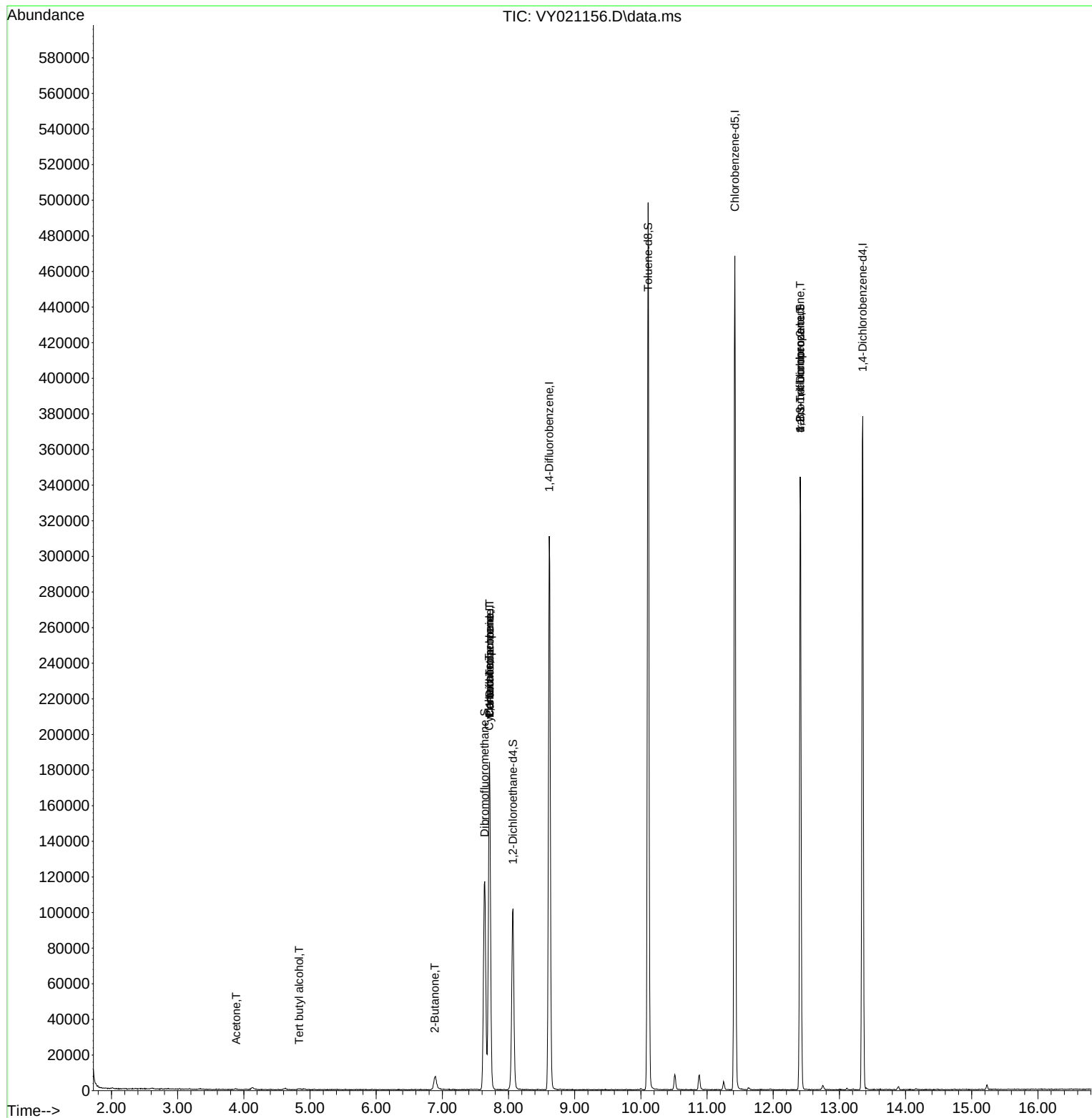
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.713  | 168   | 140278   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 255041   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 237206   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353 | 152   | 94721    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 81914    | 56.993   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 113.980% |
| 35) Dibromofluoromethane      | 7.640  | 113   | 83560    | 51.123   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 102.240% |
| 50) Toluene-d8                | 10.109 | 98    | 312585   | 50.234   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 100.460% |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 100817   | 49.593   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 99.180%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 4.836  | 59    | 743      | 7.629    | ug/l # | 75       |
| 16) Acetone                   | 3.885  | 43    | 662      | 2.954    | ug/l # | 41       |
| 25) 2-Butanone                | 6.884  | 43    | 391      | 1.062    | ug/l # | 48       |
| 31) Cyclohexane               | 7.707  | 56    | 3246     | 1.324    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 11468    | 4.737    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.713  | 117   | 14178    | 5.012    | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 55667    | 64.787   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 55667    | 132.196  | ug/l # | 12       |
| -----                         |        |       |          |          |        |          |

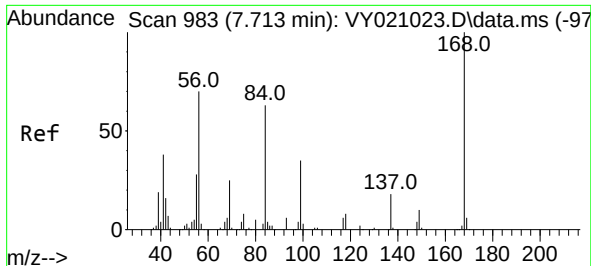
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021025\  
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Acq On : 10 Feb 2025 14:50  
Operator : SY/MD  
Sample : Q1314-03  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Feb 11 00:31:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 03 13:08:38 2025  
Response via : Initial Calibration

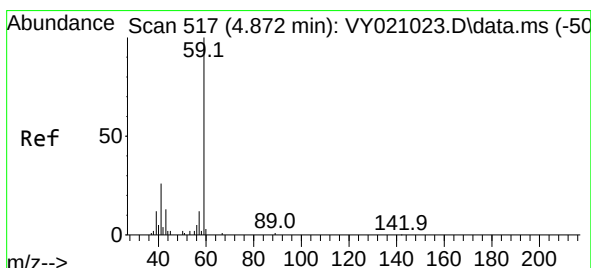
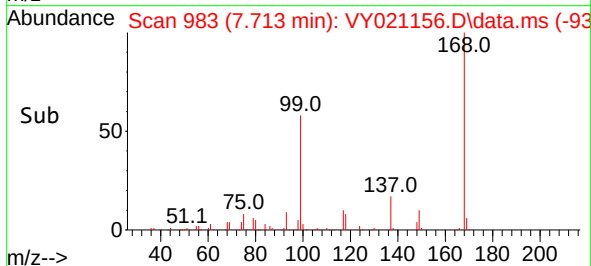
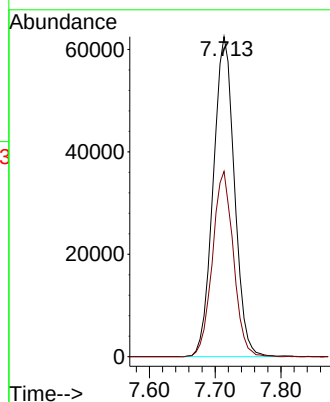
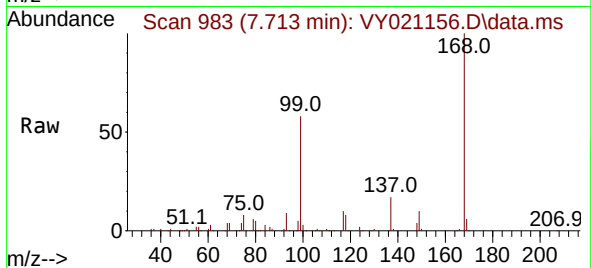




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021156.D  
Acq: 10 Feb 2025 14:50

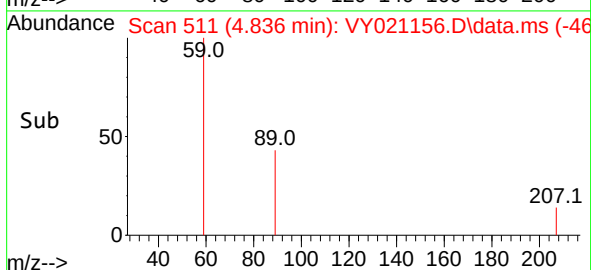
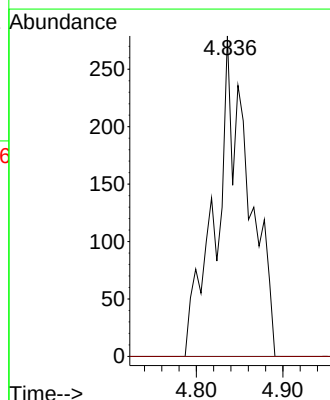
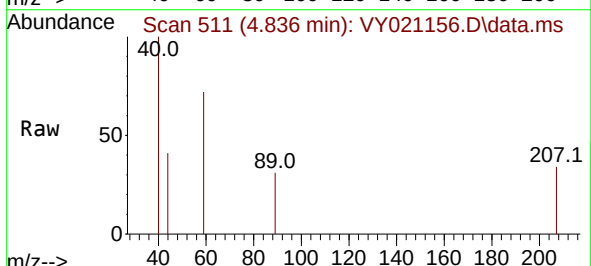
Instrument :  
MSVOA\_Y  
ClientSampleId :

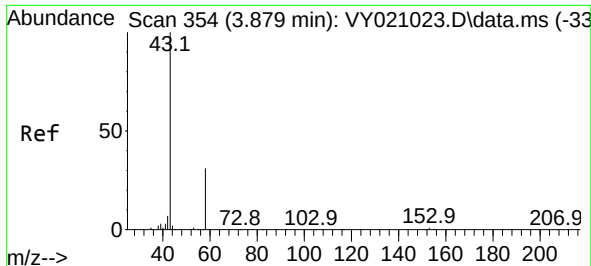
Tgt Ion:168 Resp: 140278  
Ion Ratio Lower Upper  
168 100  
99 57.9 44.2 66.4



#11  
Tert butyl alcohol  
Concen: 7.629 ug/l  
RT: 4.836 min Scan# 511  
Delta R.T. -0.037 min  
Lab File: VY021156.D  
Acq: 10 Feb 2025 14:50

Tgt Ion: 59 Resp: 743  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#





#16

Acetone

Concen: 2.954 ug/l

RT: 3.885 min Scan# 31

Delta R.T. 0.006 min

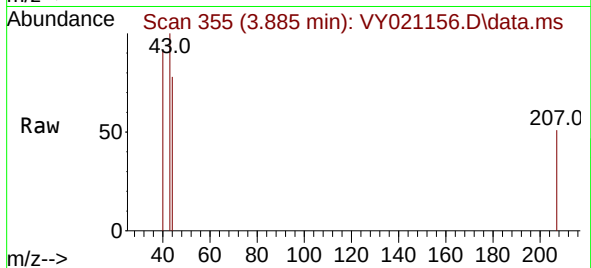
Lab File: VY021156.D

Acq: 10 Feb 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

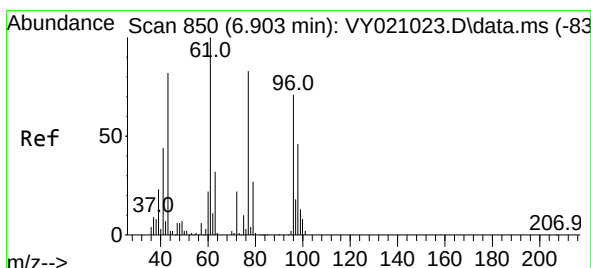
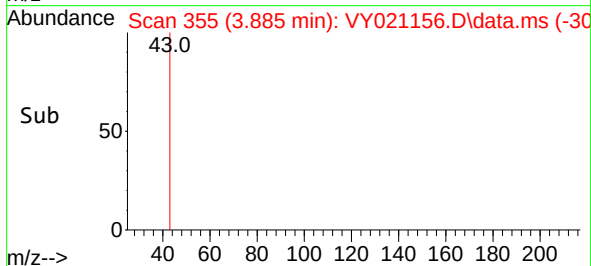
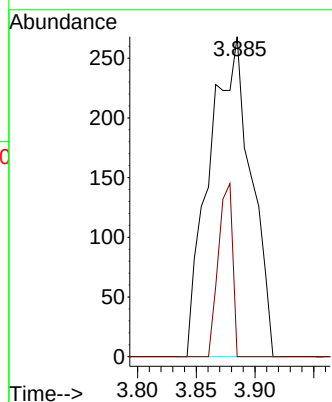


Tgt Ion: 43 Resp: 662

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#25

2-Butanone

Concen: 1.062 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.018 min

Lab File: VY021156.D

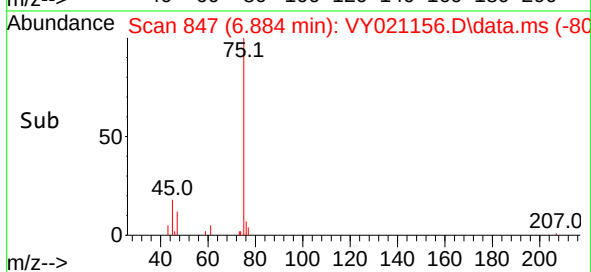
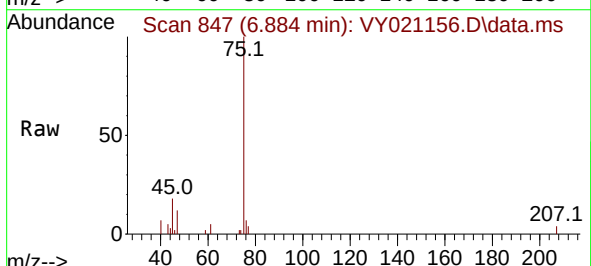
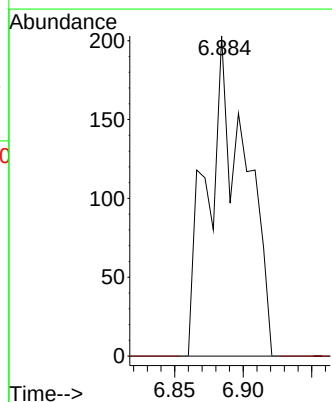
Acq: 10 Feb 2025 14:50

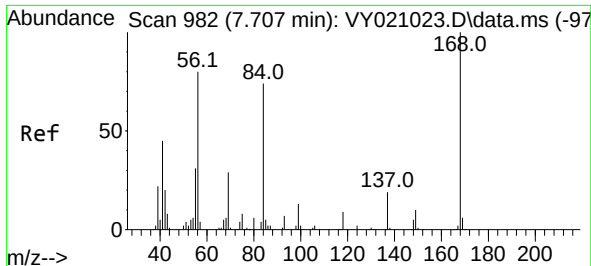
Tgt Ion: 43 Resp: 391

Ion Ratio Lower Upper

43 100

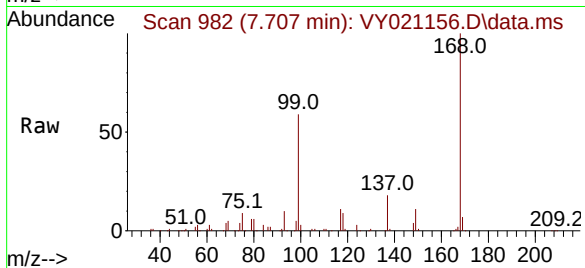
72 0.0 21.4 32.2#



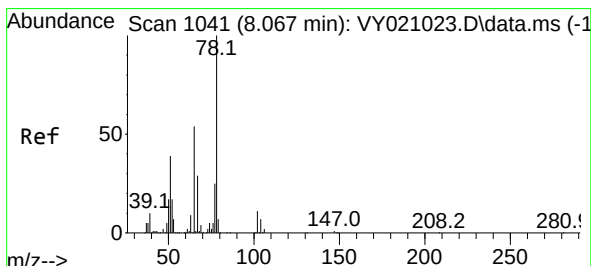
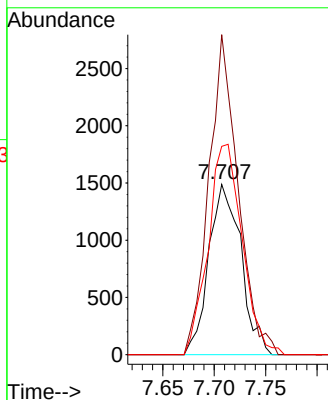
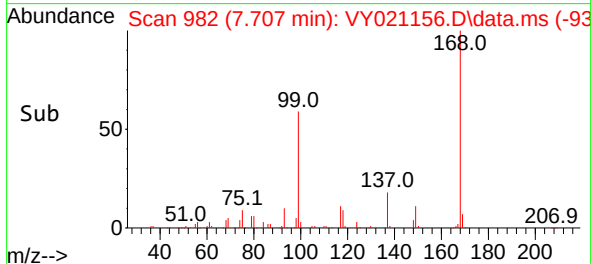


#31  
Cyclohexane  
Concen: 1.324 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY021156.D  
Acq: 10 Feb 2025 14:50

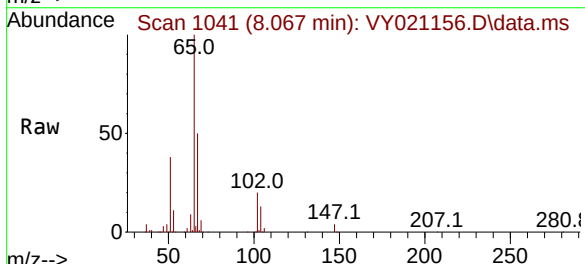
Instrument :  
MSVOA\_Y  
ClientSampleId :



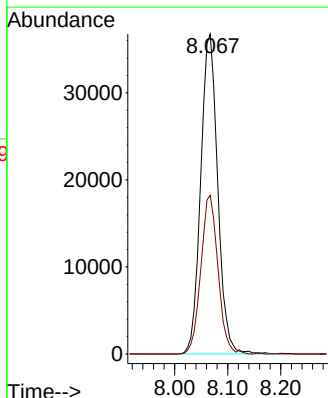
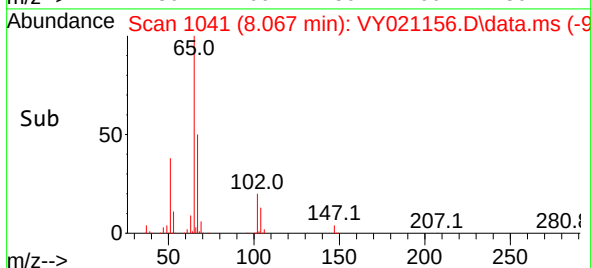
Tgt Ion: 56 Resp: 3246  
Ion Ratio Lower Upper  
56 100  
69 187.9 27.0 40.6#  
84 122.3 71.8 107.6#

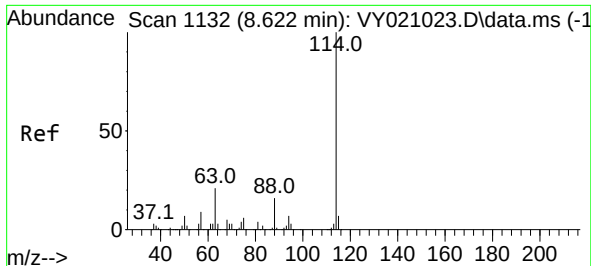


#33  
1,2-Dichloroethane-d4  
Concen: 56.993 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY021156.D  
Acq: 10 Feb 2025 14:50



Tgt Ion: 65 Resp: 81914  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021156.D

Acq: 10 Feb 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

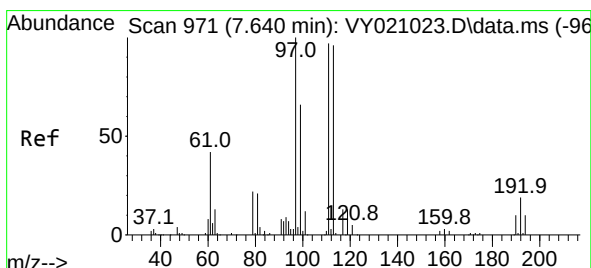
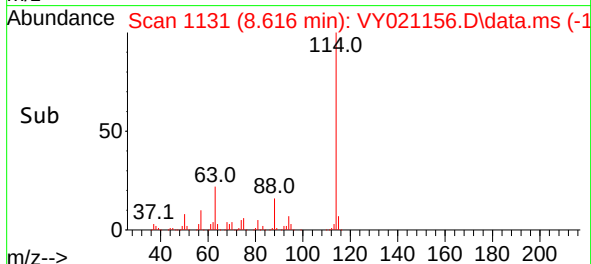
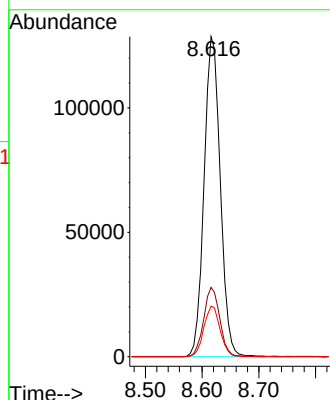
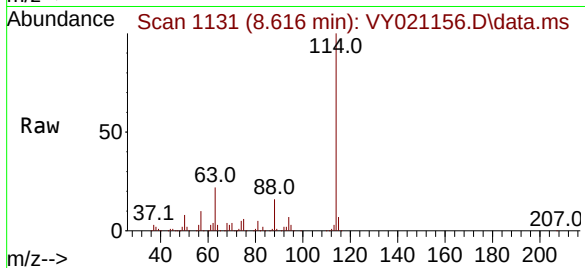
Tgt Ion:114 Resp: 255041

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.4

88 15.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.123 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021156.D

Acq: 10 Feb 2025 14:50

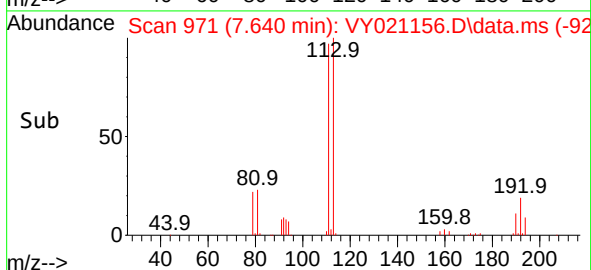
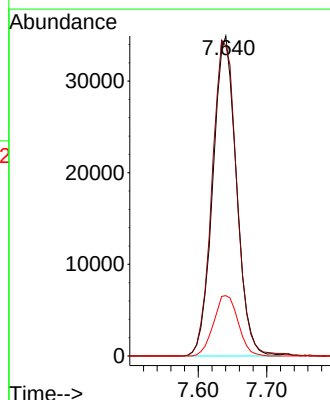
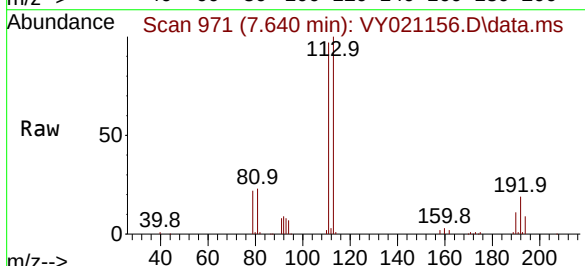
Tgt Ion:113 Resp: 83560

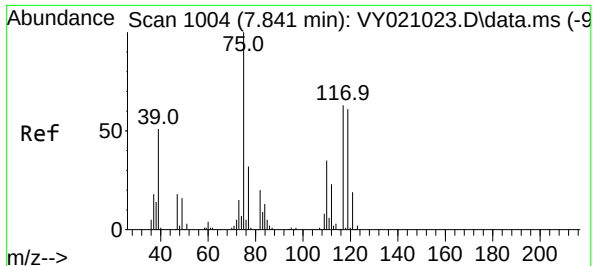
Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 19.5 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.737 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021156.D

Acq: 10 Feb 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

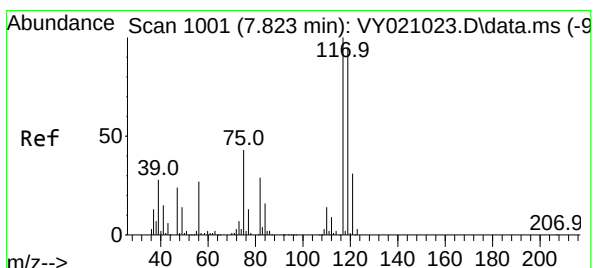
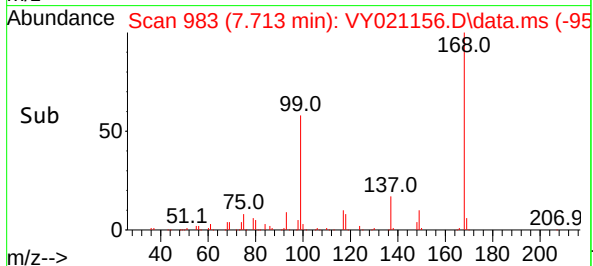
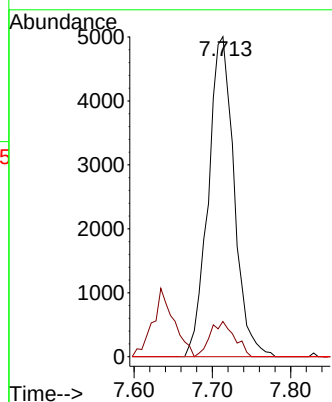
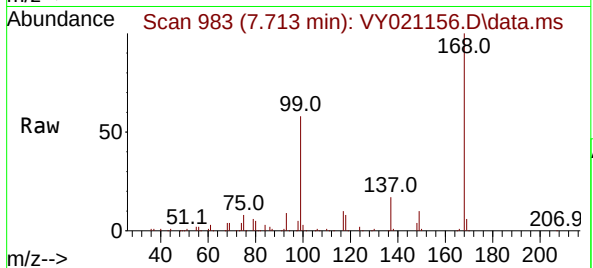
Tgt Ion: 75 Resp: 11468

Ion Ratio Lower Upper

75 100

110 10.4 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.012 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY021156.D

Acq: 10 Feb 2025 14:50

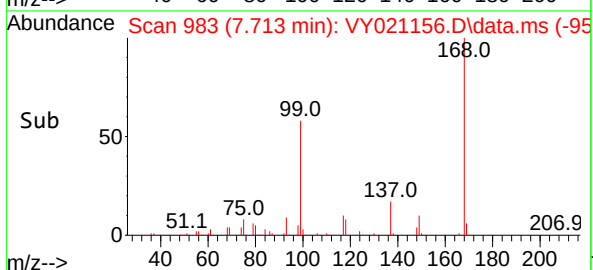
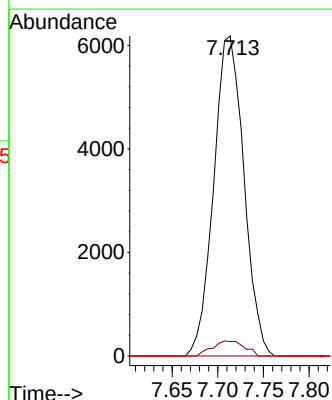
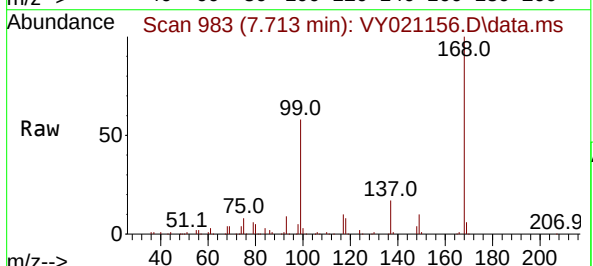
Tgt Ion: 117 Resp: 14178

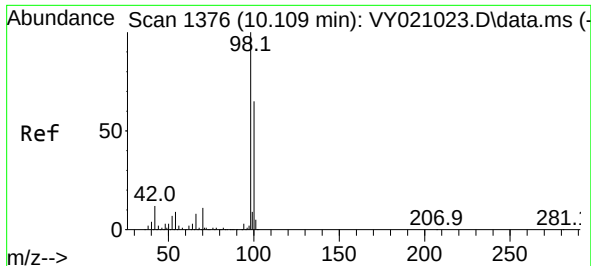
Ion Ratio Lower Upper

117 100

119 4.5 76.0 114.0#

121 0.0 24.2 36.2#

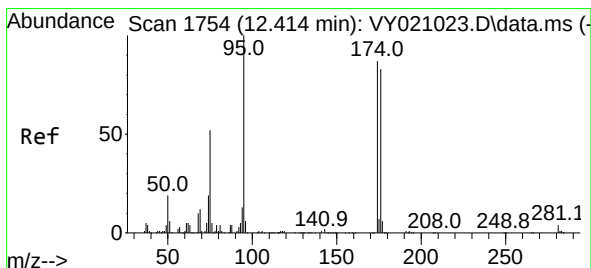
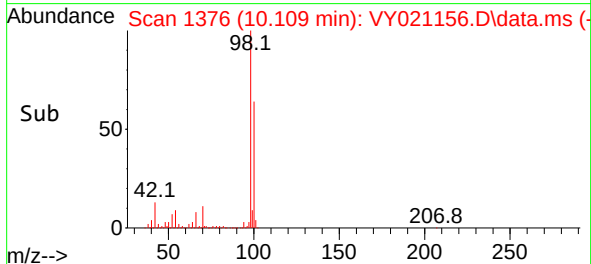
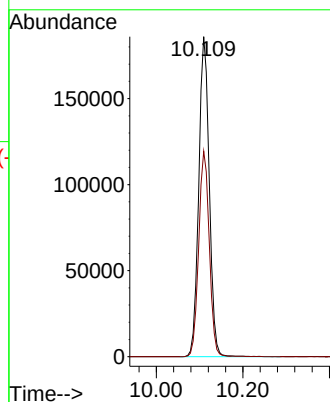
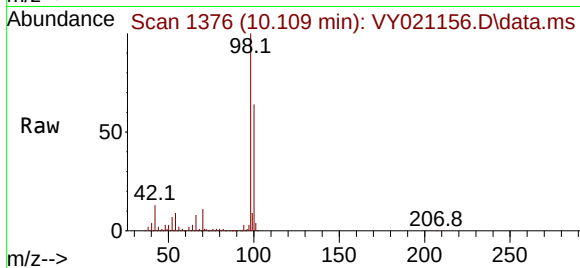




#50  
Toluene-d8  
Concen: 50.234 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY021156.D  
Acq: 10 Feb 2025 14:50

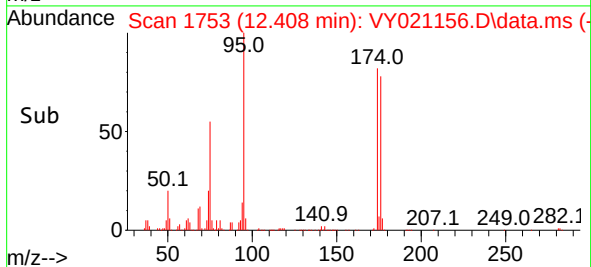
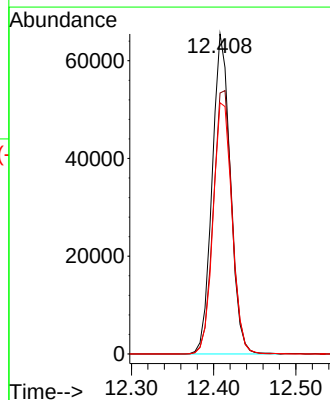
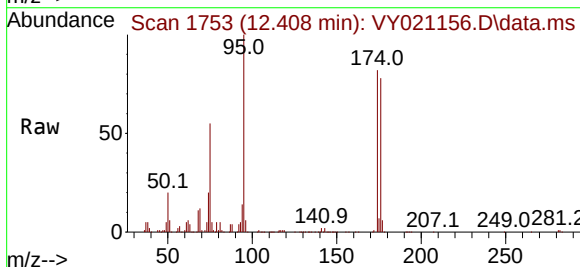
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 98 Resp: 312585  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.3 78.5

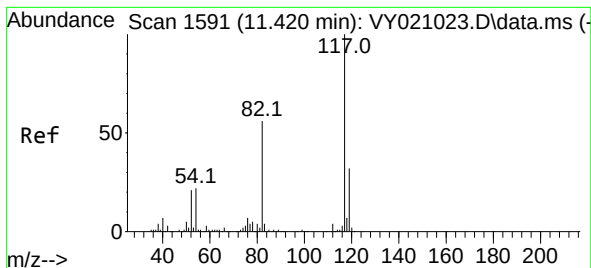


#62  
4-Bromofluorobenzene  
Concen: 49.593 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.006 min  
Lab File: VY021156.D  
Acq: 10 Feb 2025 14:50

Tgt Ion: 95 Resp: 100817  
Ion Ratio Lower Upper  
95 100  
174 85.2 0.0 160.0  
176 81.5 0.0 151.8







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021156.D

Acq: 10 Feb 2025 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

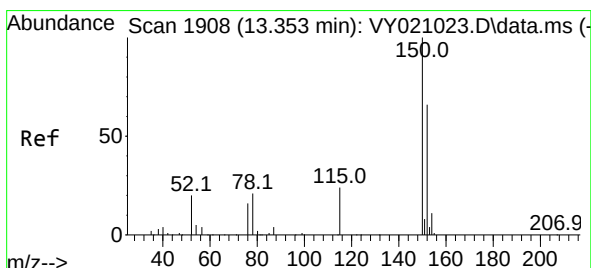
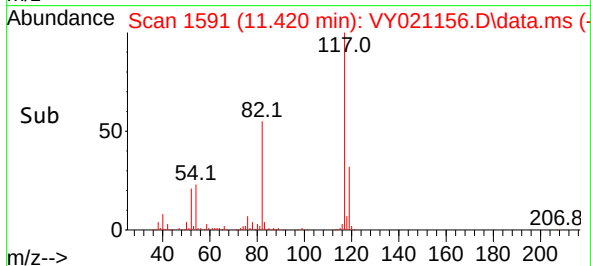
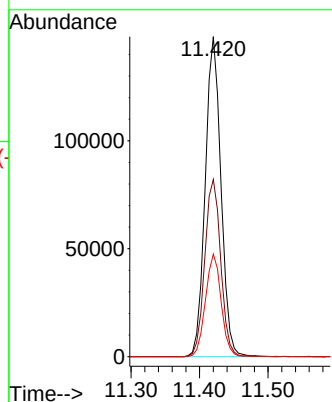
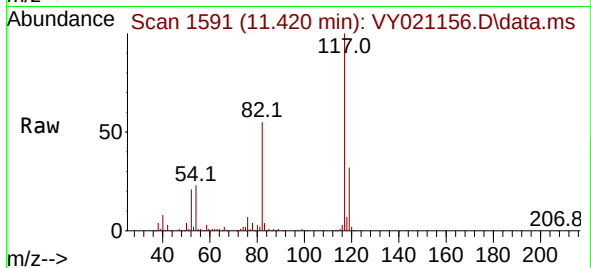
Tgt Ion:117 Resp: 237206

Ion Ratio Lower Upper

117 100

82 55.4 43.8 65.8

119 32.1 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021156.D

Acq: 10 Feb 2025 14:50

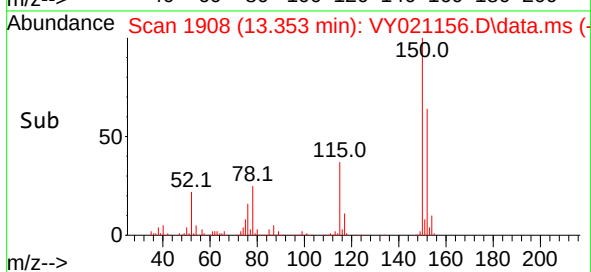
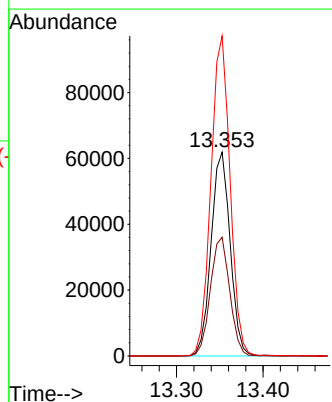
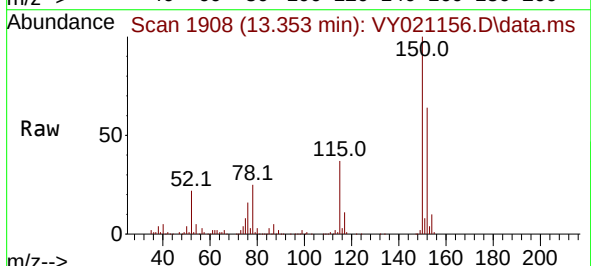
Tgt Ion:152 Resp: 94721

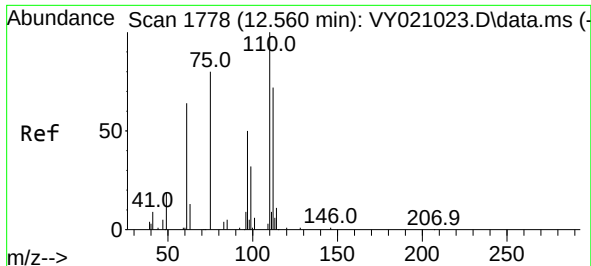
Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 157.6 0.0 344.6

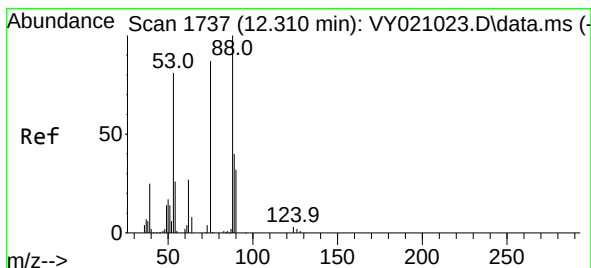
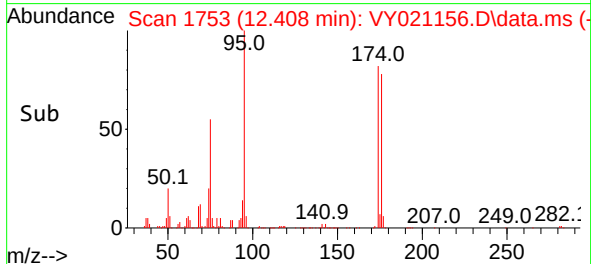
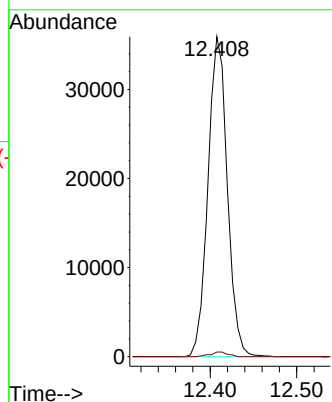
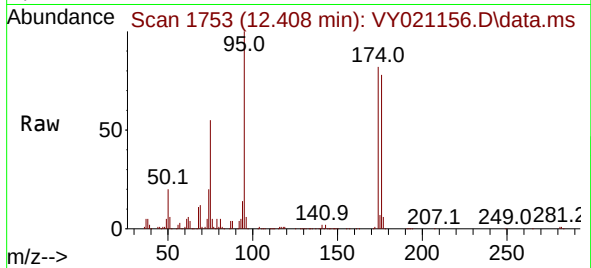




#76  
1,2,3-Trichloropropane  
Concen: 64.787 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.152 min  
Lab File: VY021156.D  
Acq: 10 Feb 2025 14:50

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 55667  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 132.196 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.097 min  
Lab File: VY021156.D  
Acq: 10 Feb 2025 14:50

Tgt Ion: 75 Resp: 55667  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.1 36.5 54.7#

