

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051325\  
 Data File : VY022234.D  
 Acq On : 13 May 2025 11:10  
 Operator : SY/MD  
 Sample : VY0513SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0513SBL01

Quant Time: May 14 04:33:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 23 02:30:30 2025  
 Response via : Initial Calibration

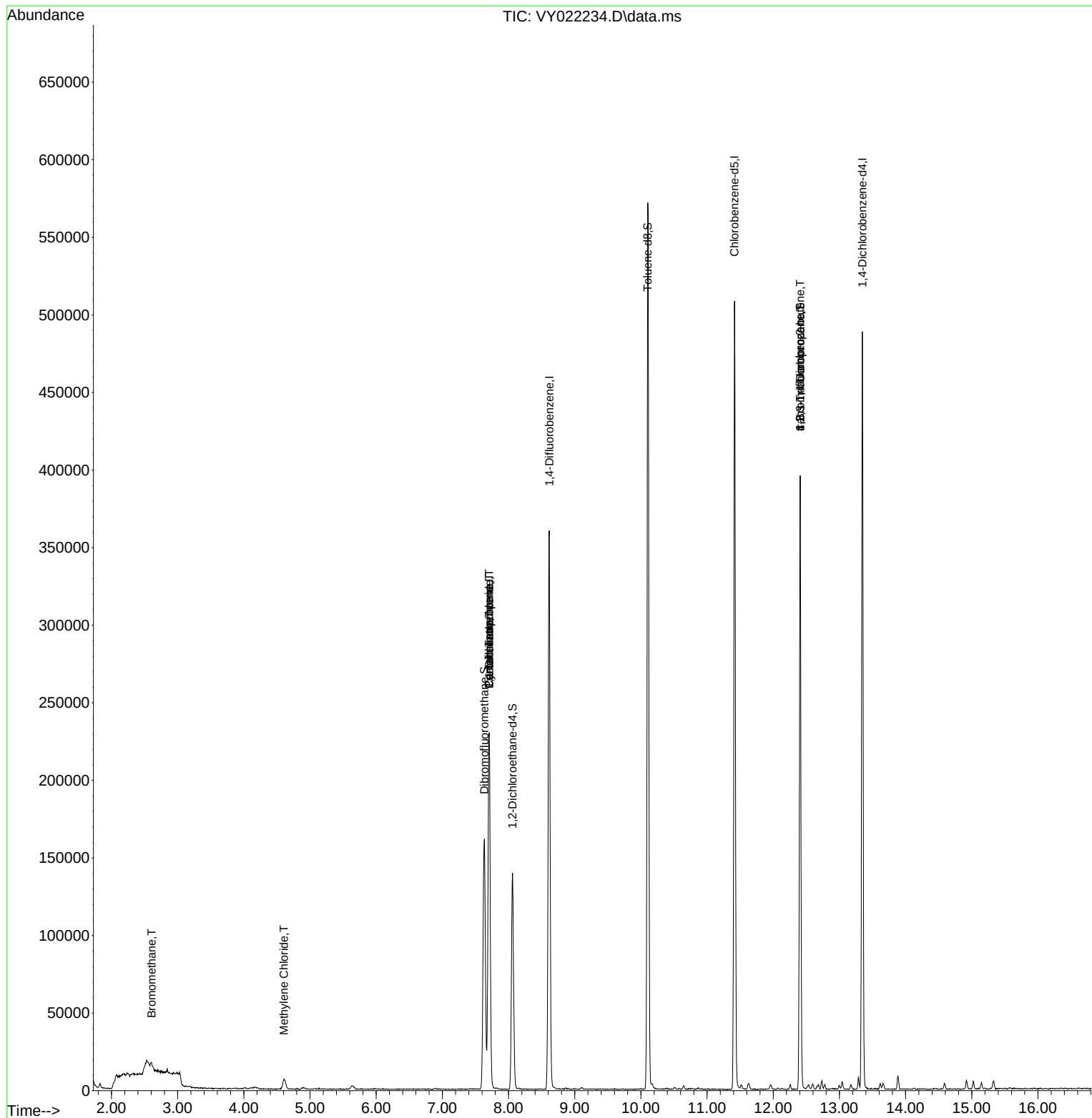
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 184225   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 318053   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 281982   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 125781   | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 109966   | 64.623    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 129.240% |          |
| 35) Dibromofluoromethane      | 7.634  | 113   | 118688   | 56.485    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 112.980% |          |
| 50) Toluene-d8                | 10.103 | 98    | 391463   | 49.417    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 98.840%  |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 117661   | 44.122    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 88.240%  |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 5) Bromomethane               | 2.604  | 94    | 2369     | 1.001     | ug/l #     | 79       |
| 16) Acetone                   | 3.879  | 43    | 558      | Below Cal |            | 94       |
| 20) Methylene Chloride        | 4.604  | 84    | 5207     | 2.420     | ug/l       | 92       |
| 31) Cyclohexane               | 7.707  | 56    | 3777     | 1.343     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 13393    | 4.745     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 18446    | 5.469     | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 57338    | 53.220    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 57338    | 128.162   | ug/l #     | 16       |
| -----                         |        |       |          |           |            |          |

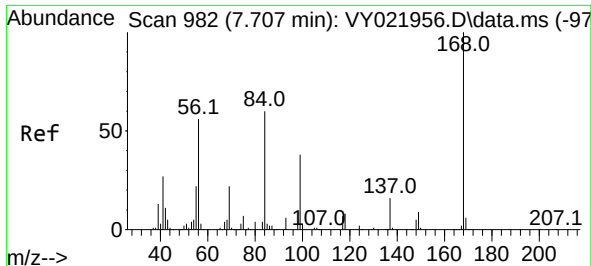
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VY0513SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0513SBL01

Quant Time: May 14 04:33:19 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
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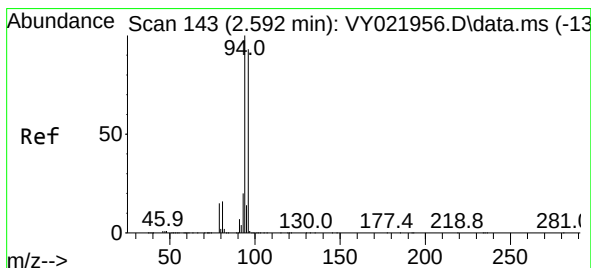
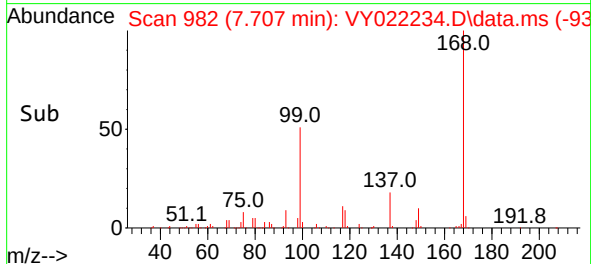
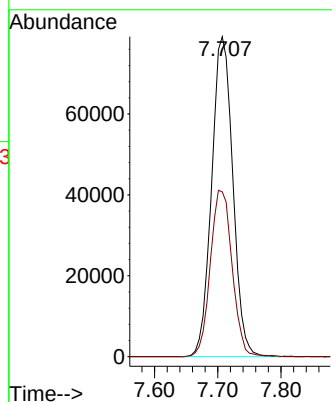
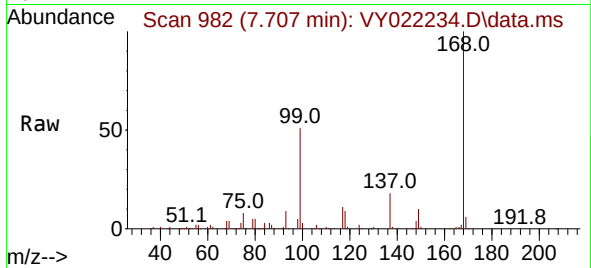




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022234.D  
Acq: 13 May 2025 11:10

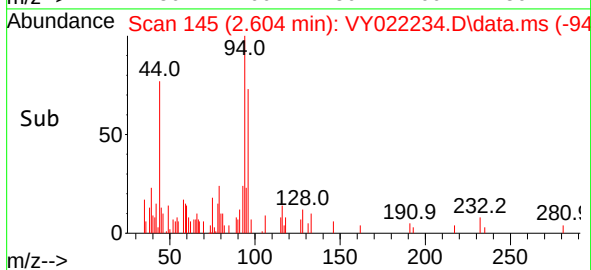
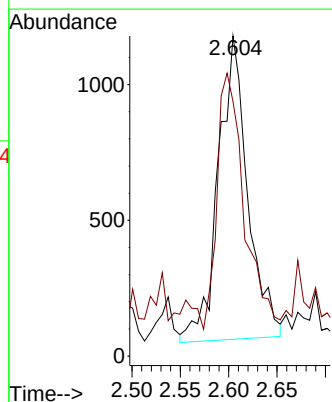
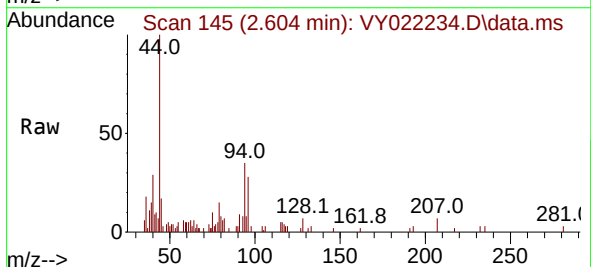
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0513SBL01

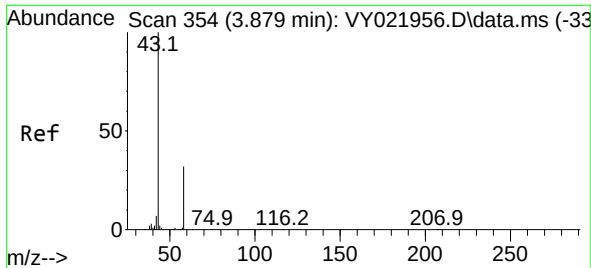
Tgt Ion:168 Resp: 184225  
Ion Ratio Lower Upper  
168 100  
99 51.5 43.1 64.7



#5  
Bromomethane  
Concen: 1.001 ug/l  
RT: 2.604 min Scan# 145  
Delta R.T. 0.012 min  
Lab File: VY022234.D  
Acq: 13 May 2025 11:10

Tgt Ion: 94 Resp: 2369  
Ion Ratio Lower Upper  
94 100  
96 73.2 74.6 111.8#

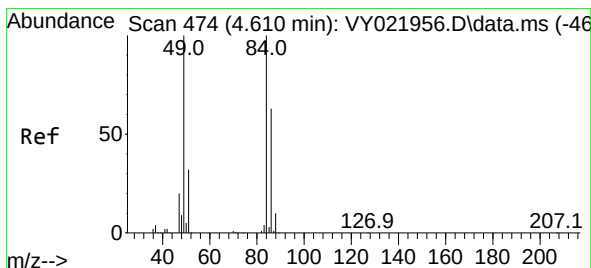
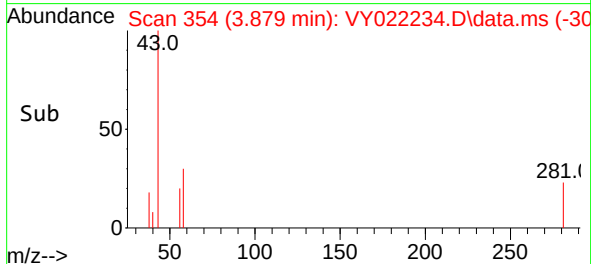
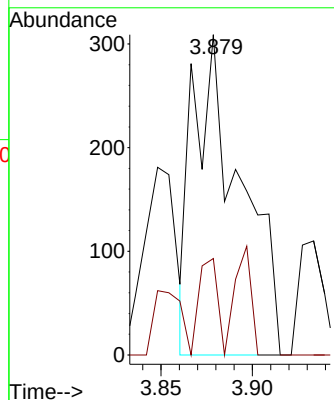
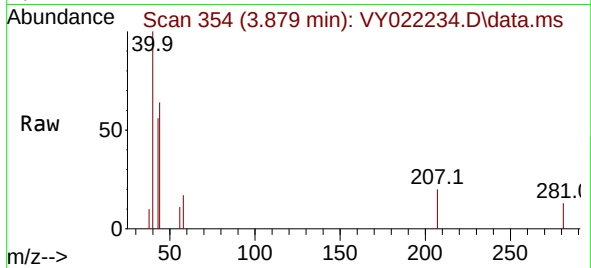




#16  
Acetone  
Concen: Below Cal  
RT: 3.879 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VY022234.D  
Acq: 13 May 2025 11:10

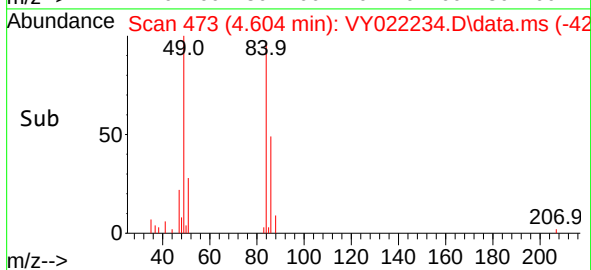
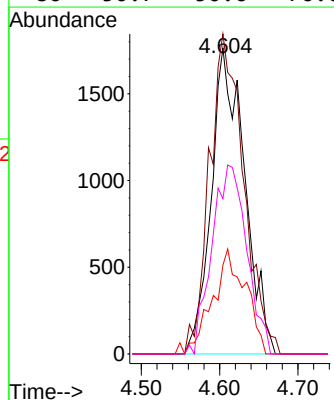
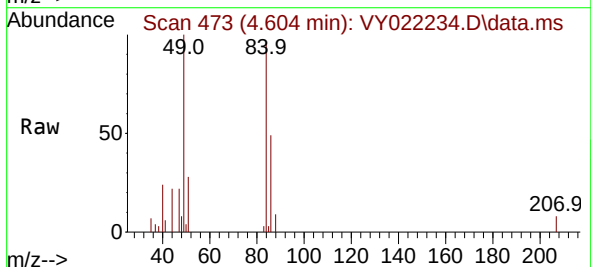
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0513SBL01

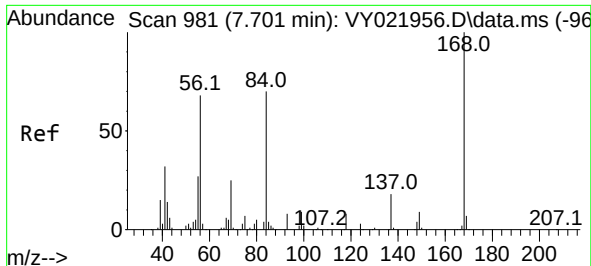
Tgt Ion: 43 Resp: 558  
Ion Ratio Lower Upper  
43 100  
58 30.1 27.0 40.4



#20  
Methylene Chloride  
Concen: 2.420 ug/l  
RT: 4.604 min Scan# 473  
Delta R.T. -0.006 min  
Lab File: VY022234.D  
Acq: 13 May 2025 11:10

Tgt Ion: 84 Resp: 5207  
Ion Ratio Lower Upper  
84 100  
49 104.6 79.9 119.9  
51 29.0 25.4 38.0  
86 50.7 50.6 76.0

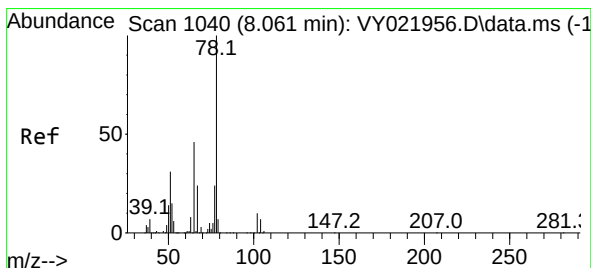
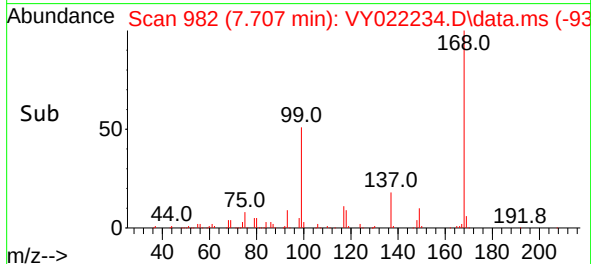
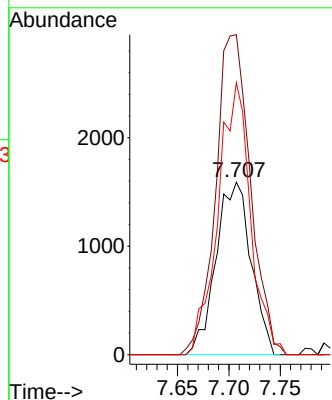
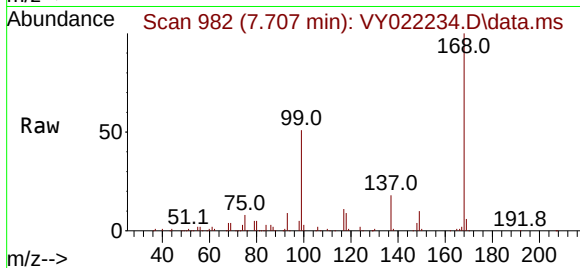




#31  
Cyclohexane  
Concen: 1.343 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY022234.D  
Acq: 13 May 2025 11:10

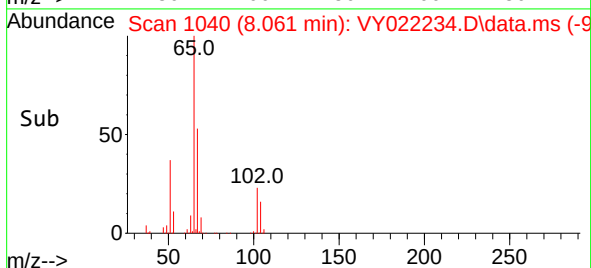
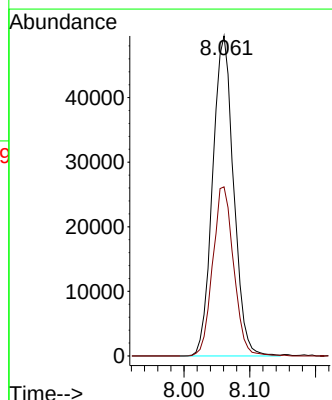
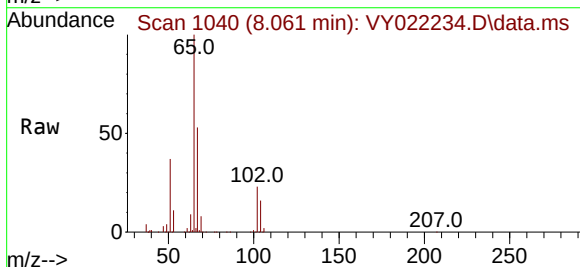
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0513SBL01

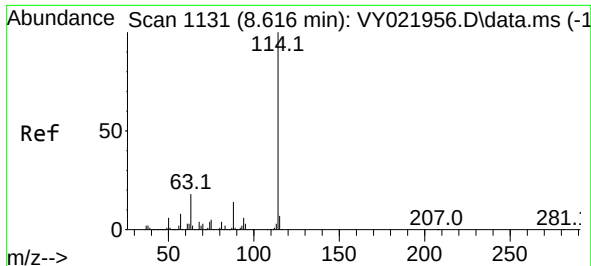
Tgt Ion: 56 Resp: 3777  
Ion Ratio Lower Upper  
56 100  
69 185.5 29.4 44.2#  
84 157.7 82.2 123.4#



#33  
1,2-Dichloroethane-d4  
Concen: 64.623 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY022234.D  
Acq: 13 May 2025 11:10

Tgt Ion: 65 Resp: 109966  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022234.D

Acq: 13 May 2025 11:10

Instrument :

MSVOA\_Y

ClientSampleId :

VY0513SBL01

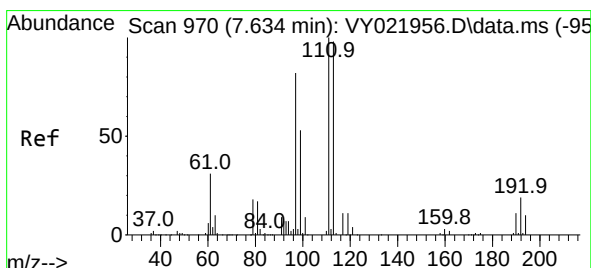
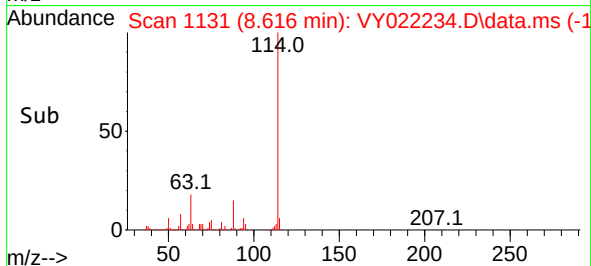
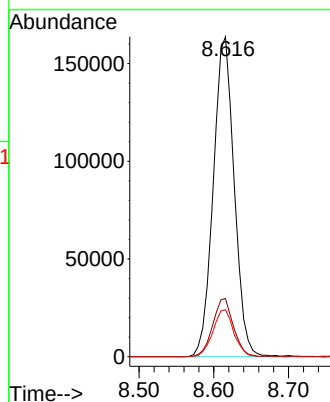
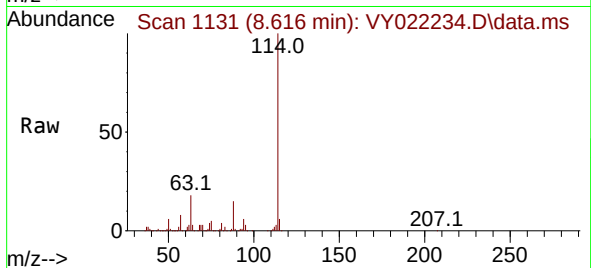
Tgt Ion:114 Resp: 318053

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.4

88 14.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 56.485 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022234.D

Acq: 13 May 2025 11:10

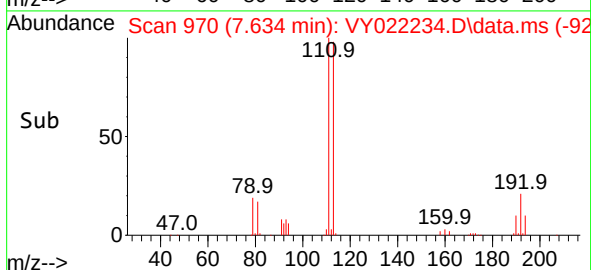
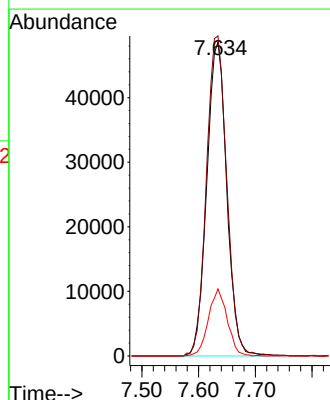
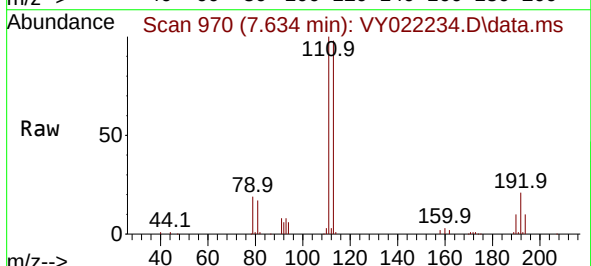
Tgt Ion:113 Resp: 118688

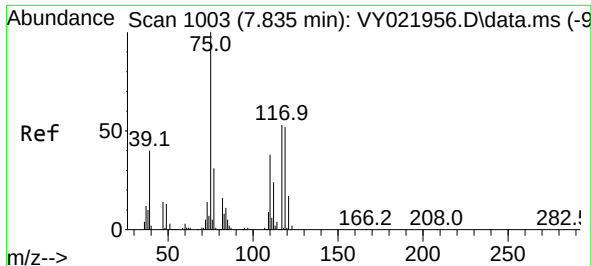
Ion Ratio Lower Upper

113 100

111 104.0 81.8 122.8

192 20.2 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.745 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022234.D

Acq: 13 May 2025 11:10

Instrument :

MSVOA\_Y

ClientSampleId :

VY0513SBL01

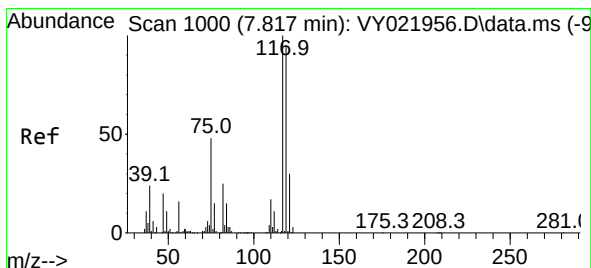
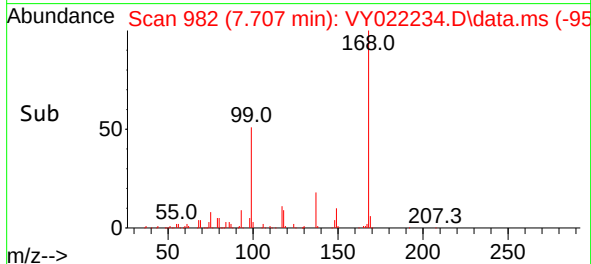
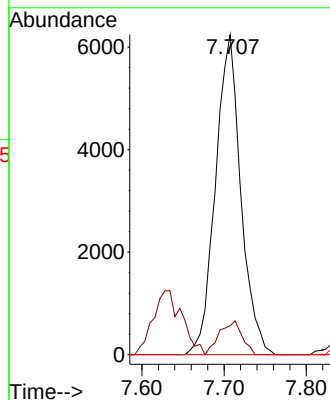
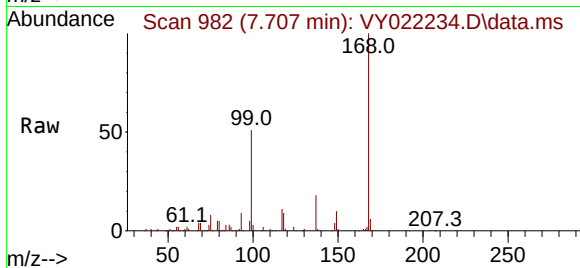
Tgt Ion: 75 Resp: 13393

Ion Ratio Lower Upper

75 100

110 9.4 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 5.469 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022234.D

Acq: 13 May 2025 11:10

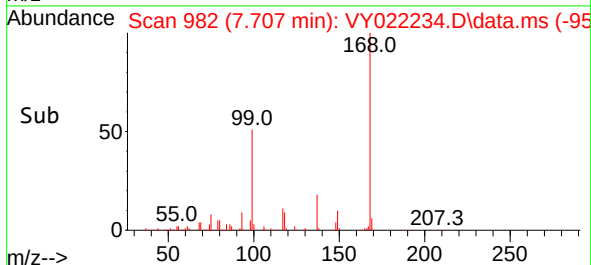
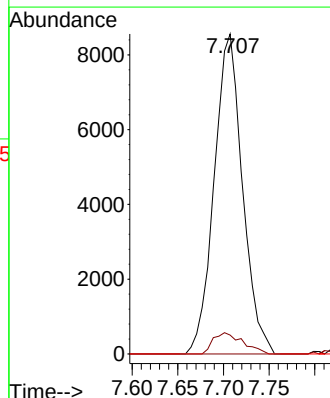
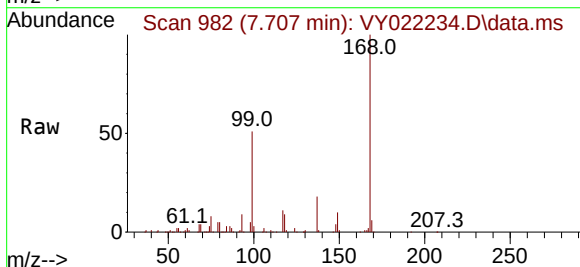
Tgt Ion: 117 Resp: 18446

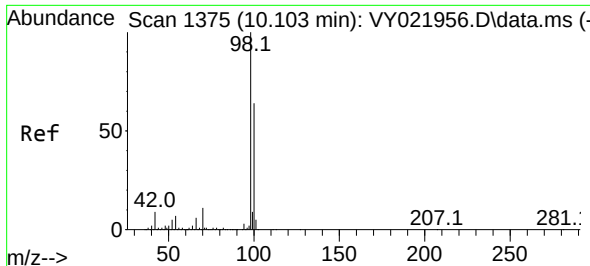
Ion Ratio Lower Upper

117 100

119 5.9 76.2 114.4#

121 0.0 24.0 36.0#

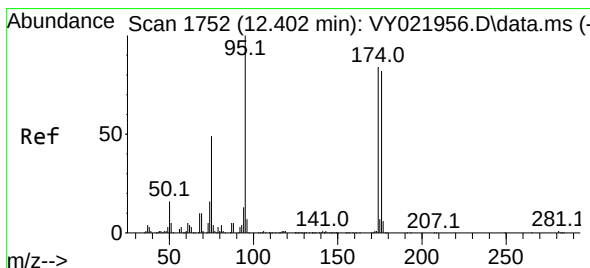
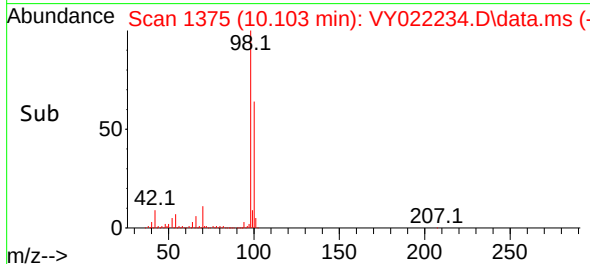
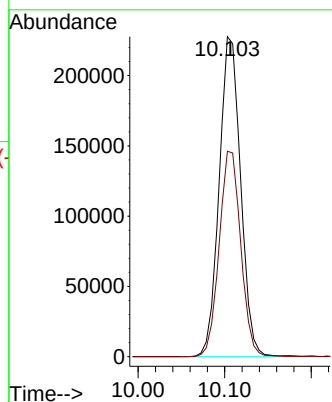
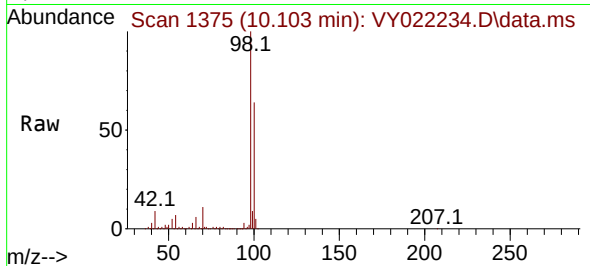




#50  
Toluene-d8  
Concen: 49.417 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY022234.D  
Acq: 13 May 2025 11:10

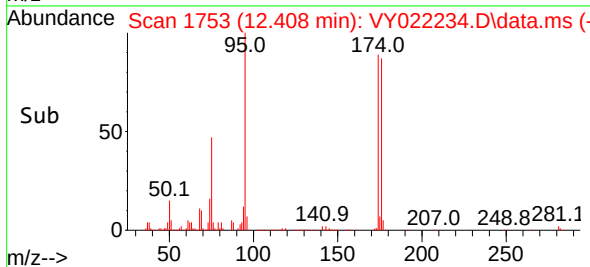
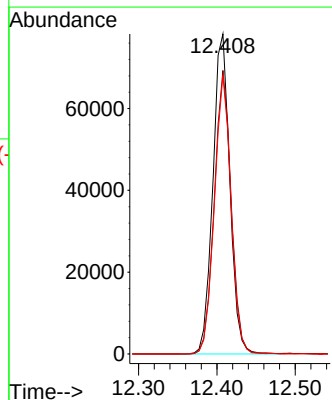
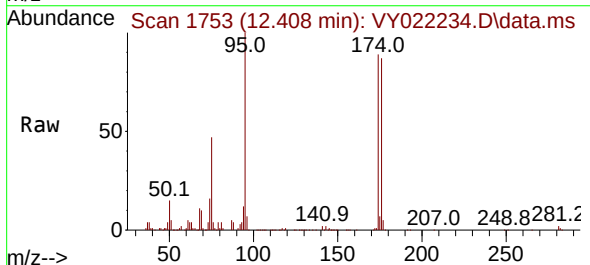
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0513SBL01

Tgt Ion: 98 Resp: 391463  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.6 77.4

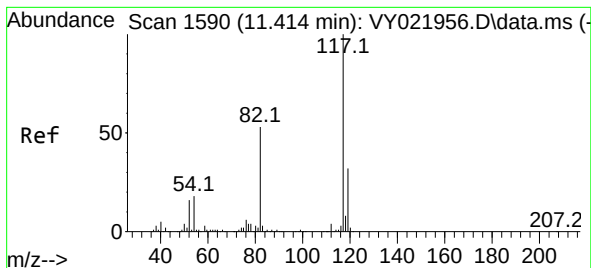


#62  
4-Bromofluorobenzene  
Concen: 44.122 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY022234.D  
Acq: 13 May 2025 11:10

Tgt Ion: 95 Resp: 117661  
Ion Ratio Lower Upper  
95 100  
174 88.5 0.0 179.0  
176 85.3 0.0 171.8







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022234.D

Acq: 13 May 2025 11:10

Instrument :

MSVOA\_Y

ClientSampleId :

VY0513SBL01

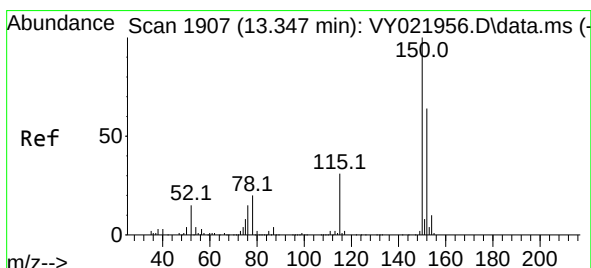
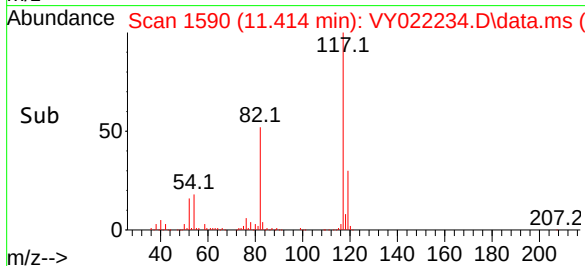
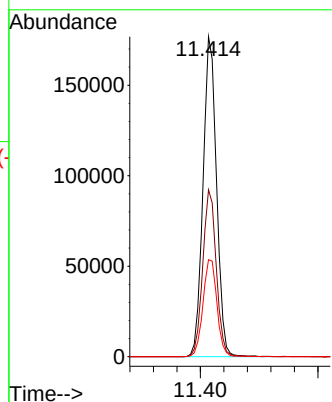
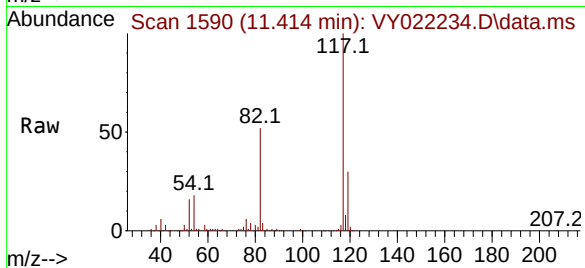
Tgt Ion:117 Resp: 281982

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

119 30.3 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022234.D

Acq: 13 May 2025 11:10

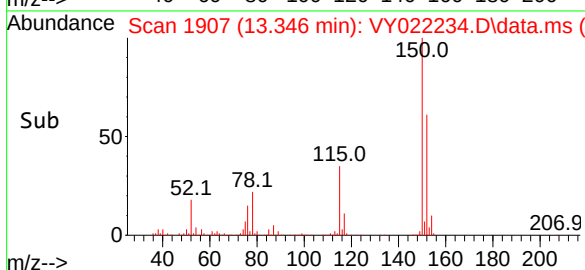
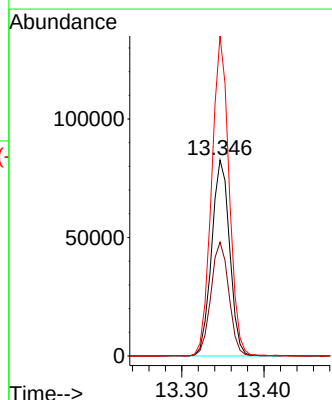
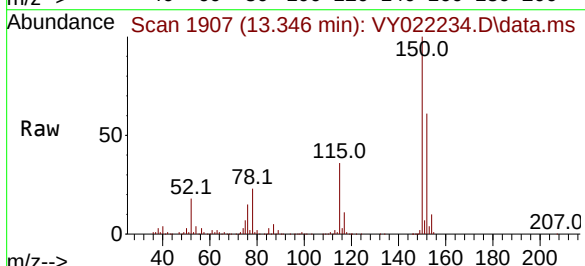
Tgt Ion:152 Resp: 125781

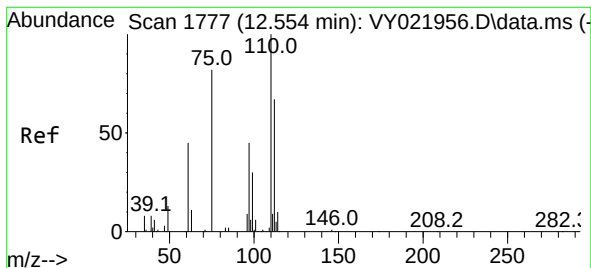
Ion Ratio Lower Upper

152 100

115 57.9 28.0 84.0

150 157.9 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 53.220 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022234.D

Acq: 13 May 2025 11:10

Instrument :

MSVOA\_Y

ClientSampleId :

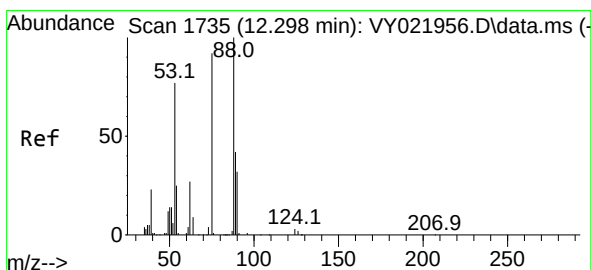
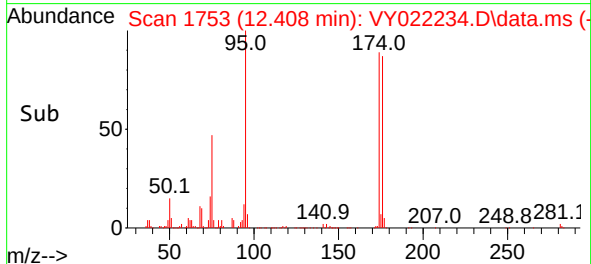
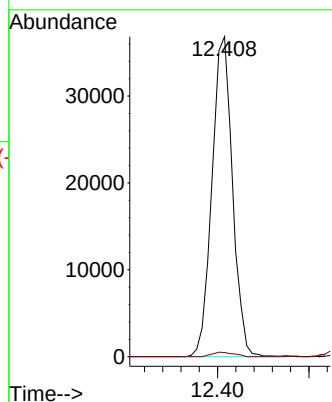
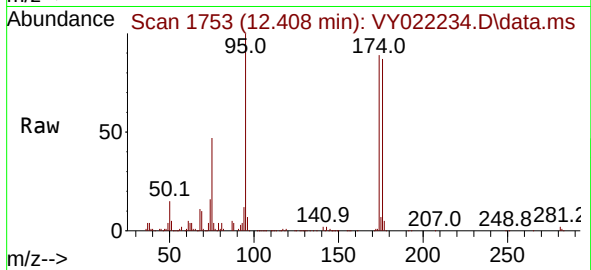
VY0513SBL01

Tgt Ion: 75 Resp: 57338

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.162 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY022234.D

Acq: 13 May 2025 11:10

Tgt Ion: 75 Resp: 57338

Ion Ratio Lower Upper

75 100

53 0.2 66.0 99.0#

89 0.0 37.2 55.8#

