

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081525\  
 Data File : VY023125.D  
 Acq On : 15 Aug 2025 15:11  
 Operator : SY/MD  
 Sample : Q2832-05  
 Misc : 3.86g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TG-S03

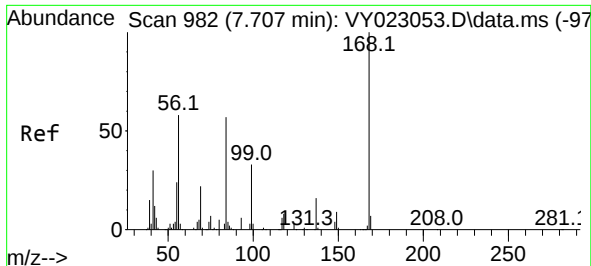
Quant Time: Aug 18 02:30:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 13 02:10:11 2025  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 7.707          | 168  | 553899              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.609          | 114  | 1043284             | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414         | 117  | 947118              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.340         | 152  | 378902              | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061          | 65   | 312610              | 59.217  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 118.440% |         |        |          |
| 35) Dibromofluoromethane      | 7.634          | 113  | 321045              | 51.427  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 102.860% |         |        |          |
| 50) Toluene-d8                | 10.103         | 98   | 1284070             | 52.653  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 105.300% |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.401         | 95   | 382572              | 48.779  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 97.560%  |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 31) Cyclohexane               | 7.701          | 56   | 11938               | 1.214   | ug/l # | 15       |
| 36) 1,1-Dichloropropene       | 7.707          | 75   | 43402               | 4.678   | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.707          | 117  | 54063               | 5.365   | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.097         | 43   | 5418                | 1.333   | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.401         | 75   | 203572              | 55.669  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401         | 75   | 203572              | 134.758 | ug/l # | 14       |
| -----                         |                |      |                     |         |        |          |

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

Quant Time: Aug 18 02:30:11 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 13 02:10:11 2025  
Response via : Initial Calibration

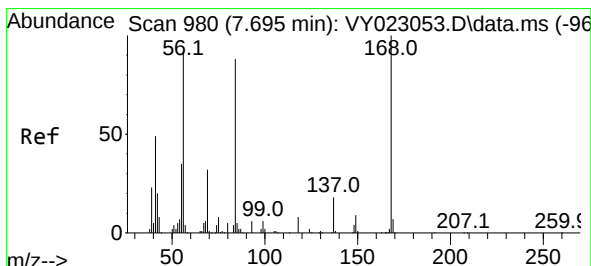
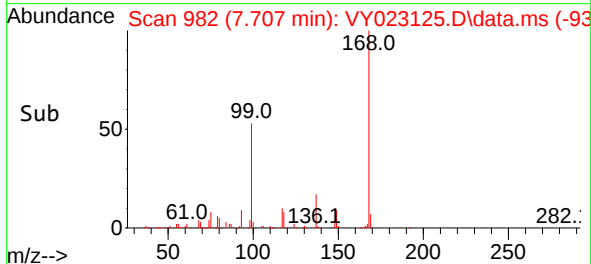
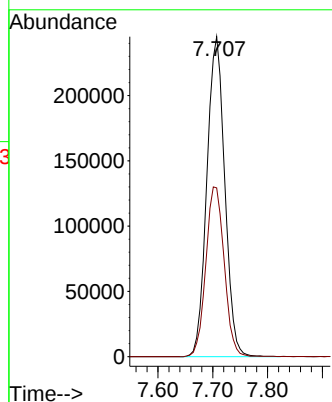
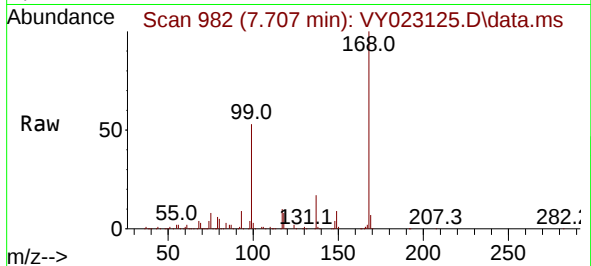




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY023125.D  
Acq: 15 Aug 2025 15:11

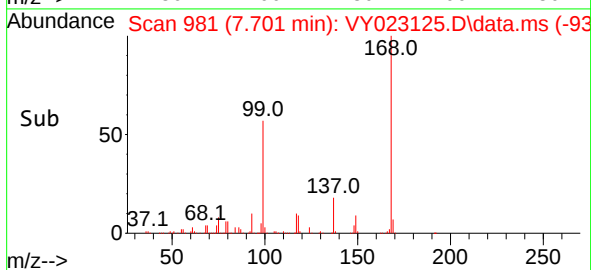
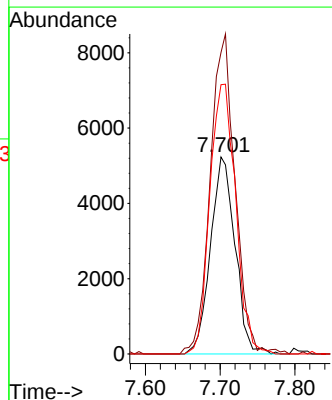
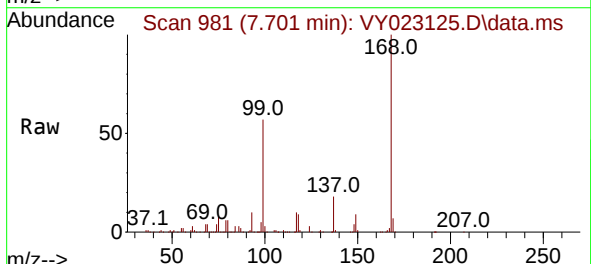
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TG-S03

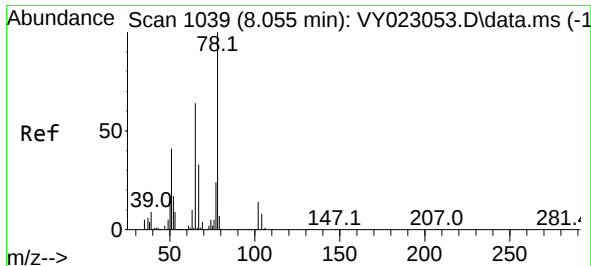
Tgt Ion:168 Resp: 553899  
Ion Ratio Lower Upper  
168 100  
99 52.8 42.8 64.2



#31  
Cyclohexane  
Concen: 1.214 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY023125.D  
Acq: 15 Aug 2025 15:11

Tgt Ion: 56 Resp: 11938  
Ion Ratio Lower Upper  
56 100  
69 153.1 28.2 42.2#  
84 136.7 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 59.217 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023125.D

Acq: 15 Aug 2025 15:11

Instrument :

MSVOA\_Y

ClientSampleId :

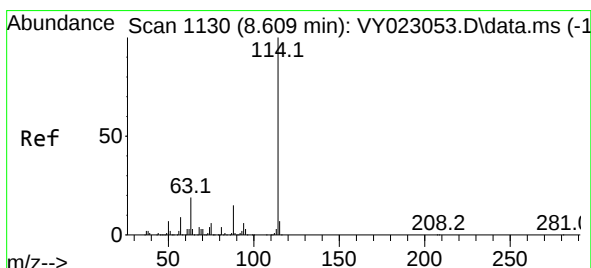
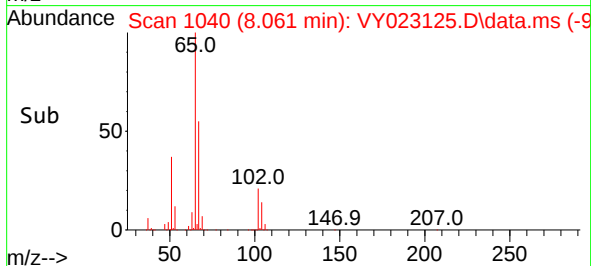
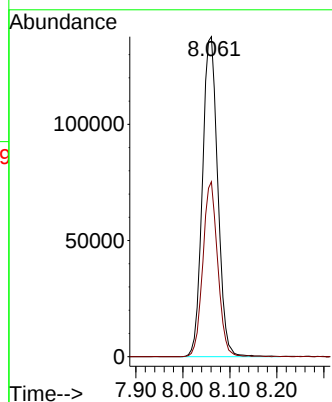
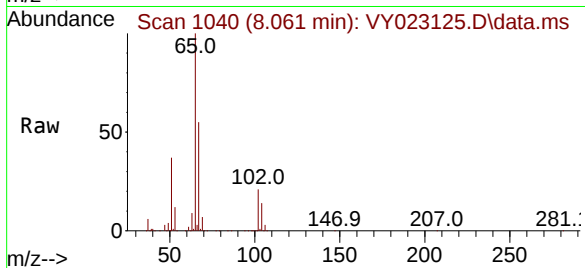
TG-S03

Tgt Ion: 65 Resp: 312610

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY023125.D

Acq: 15 Aug 2025 15:11

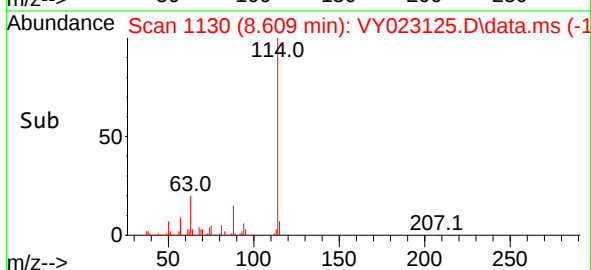
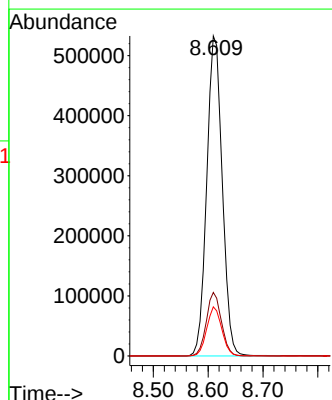
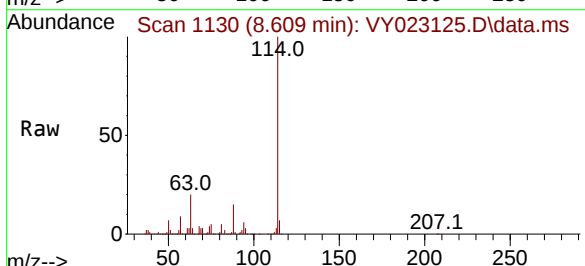
Tgt Ion: 114 Resp: 1043284

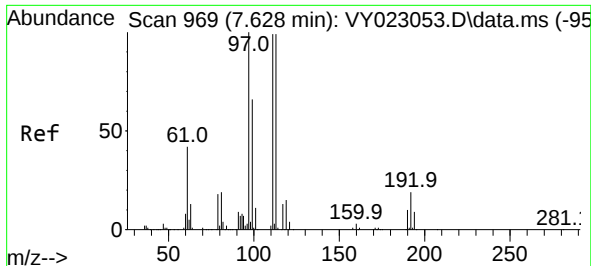
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 15.4 0.0 30.0

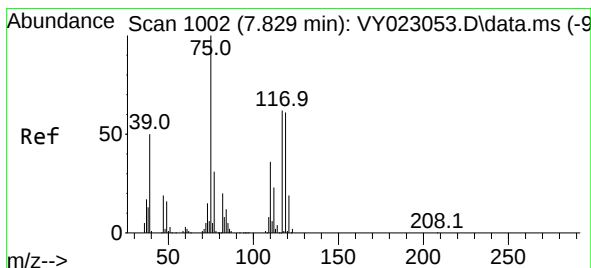
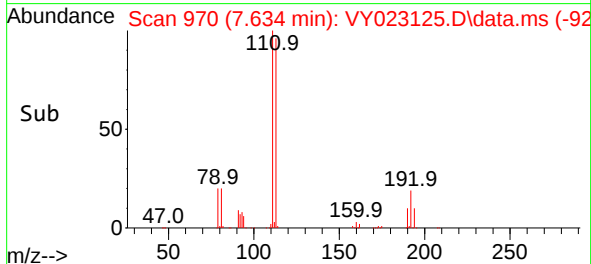
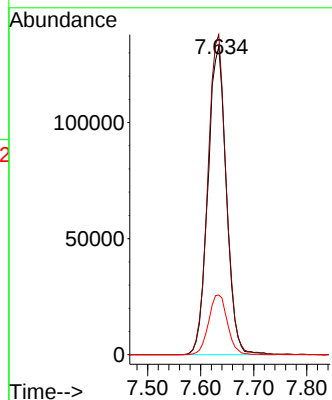
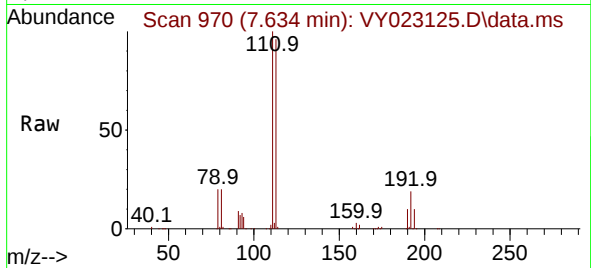




#35  
Dibromofluoromethane  
Concen: 51.427 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023125.D  
Acq: 15 Aug 2025 15:11

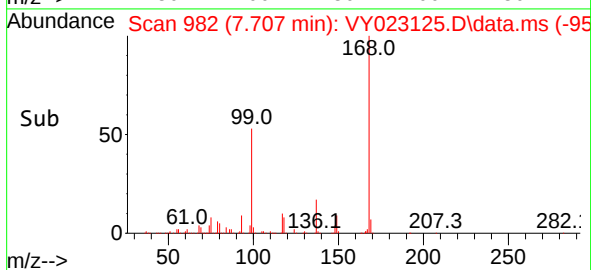
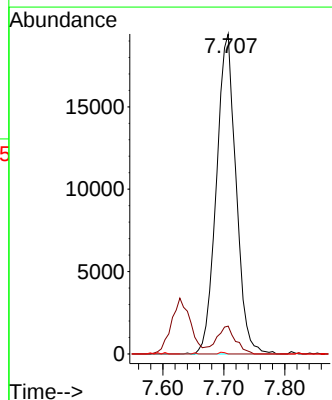
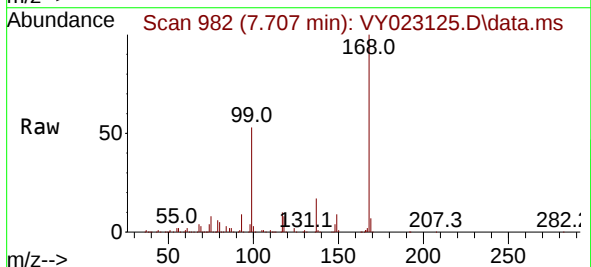
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TG-S03

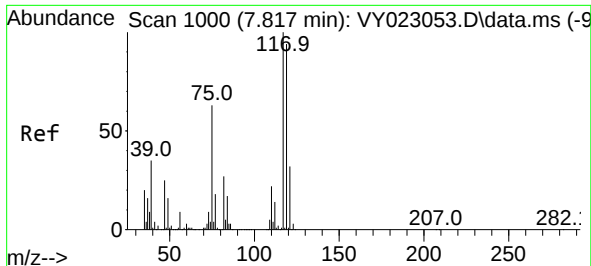
Tgt Ion:113 Resp: 321045  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.1 121.7  
192 19.7 16.2 24.4



#36  
1,1-Dichloropropene  
Concen: 4.678 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.122 min  
Lab File: VY023125.D  
Acq: 15 Aug 2025 15:11

Tgt Ion: 75 Resp: 43402  
Ion Ratio Lower Upper  
75 100  
110 8.3 18.1 54.4#  
77 0.2 24.6 37.0#

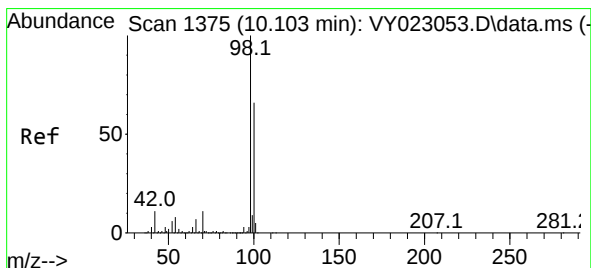
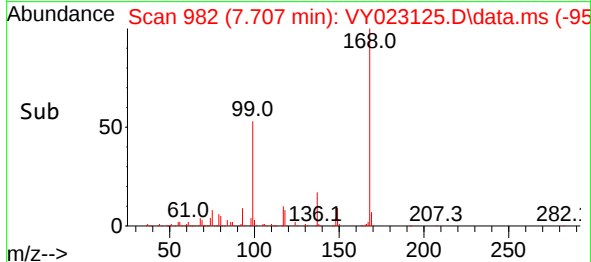
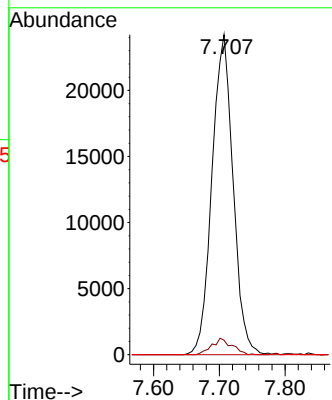
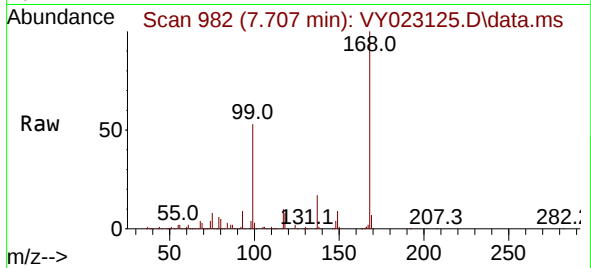




#38  
Carbon Tetrachloride  
Concen: 5.365 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY023125.D  
Acq: 15 Aug 2025 15:11

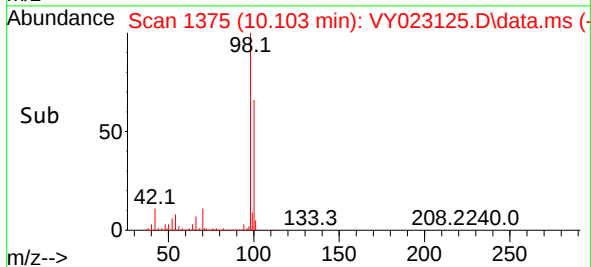
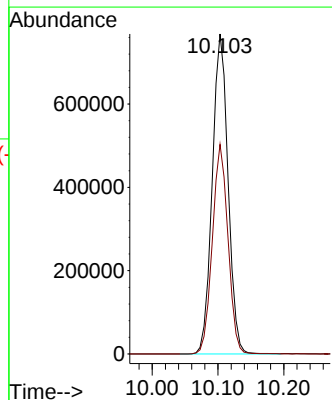
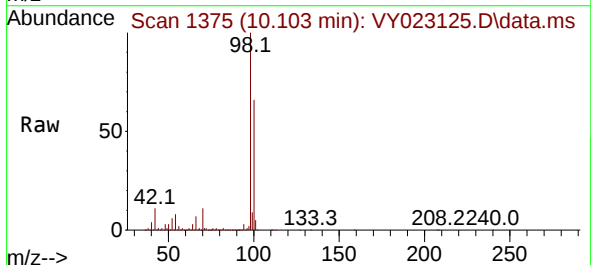
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TG-S03

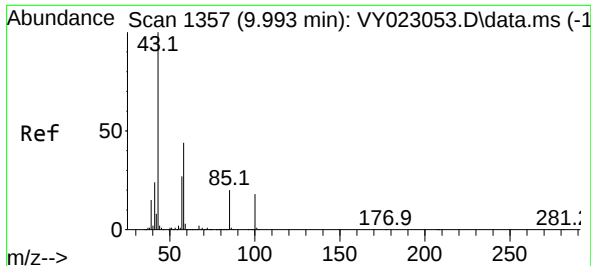
Tgt Ion:117 Resp: 54063  
Ion Ratio Lower Upper  
117 100  
119 4.5 75.6 113.4#  
121 0.0 25.8 38.8#



#50  
Toluene-d8  
Concen: 52.653 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.000 min  
Lab File: VY023125.D  
Acq: 15 Aug 2025 15:11

Tgt Ion: 98 Resp: 1284070  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.333 ug/l

RT: 10.097 min Scan# 1374

Delta R.T. 0.104 min

Lab File: VY023125.D

Acq: 15 Aug 2025 15:11

Instrument :

MSVOA\_Y

ClientSampleId :

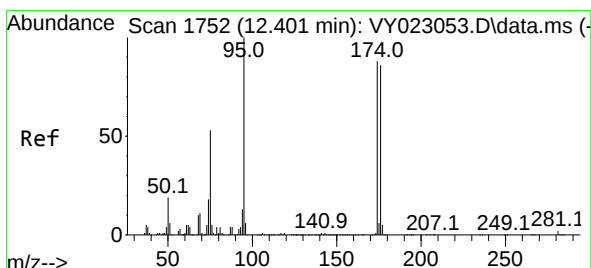
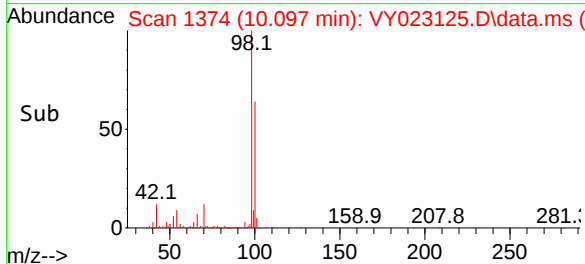
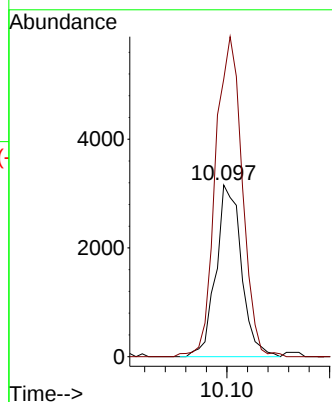
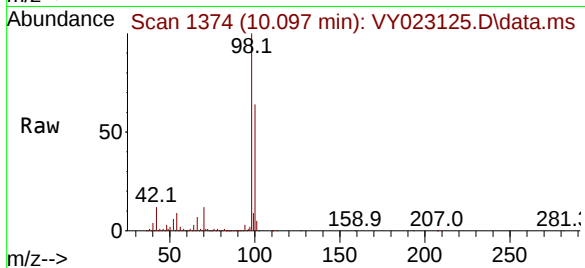
TG-S03

Tgt Ion: 43 Resp: 5418

Ion Ratio Lower Upper

43 100

58 196.4 33.5 50.3#



#62

4-Bromofluorobenzene

Concen: 48.779 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY023125.D

Acq: 15 Aug 2025 15:11

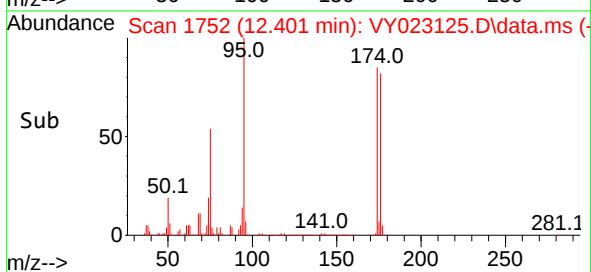
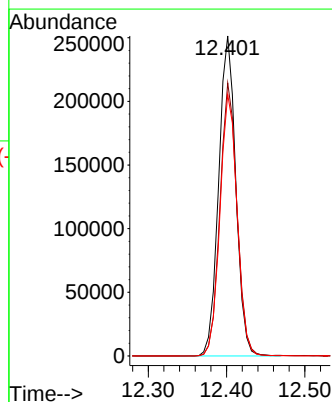
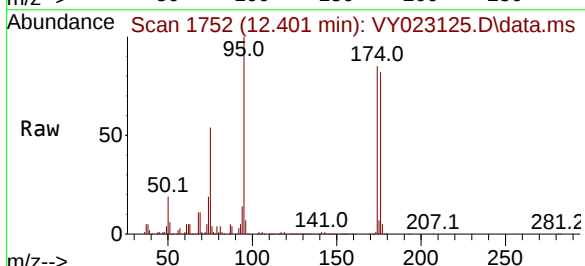
Tgt Ion: 95 Resp: 382572

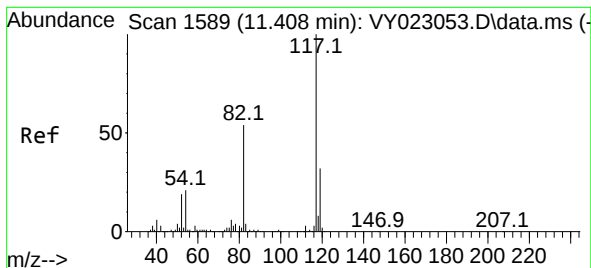
Ion Ratio Lower Upper

95 100

174 84.7 0.0 171.6

176 82.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023125.D

Acq: 15 Aug 2025 15:11

Instrument :

MSVOA\_Y

ClientSampleId :

TG-S03

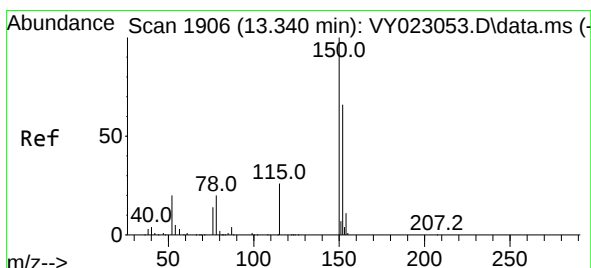
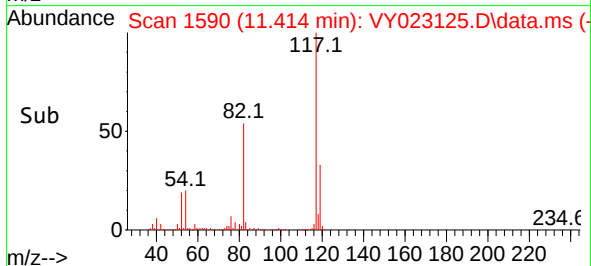
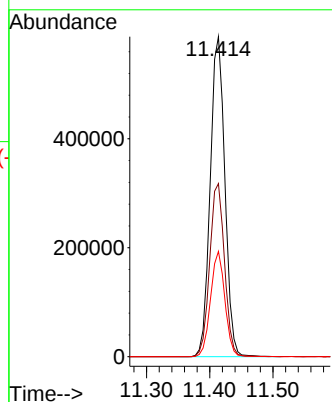
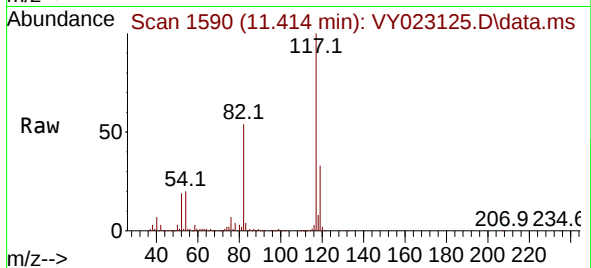
Tgt Ion:117 Resp: 947118

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

119 32.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY023125.D

Acq: 15 Aug 2025 15:11

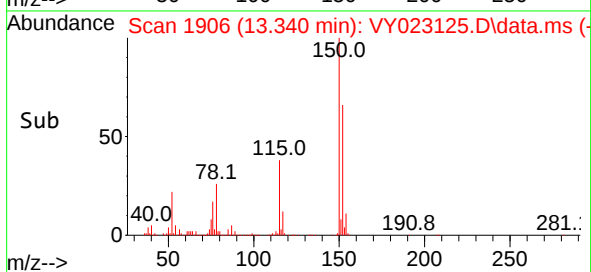
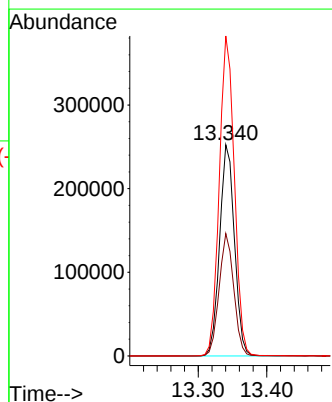
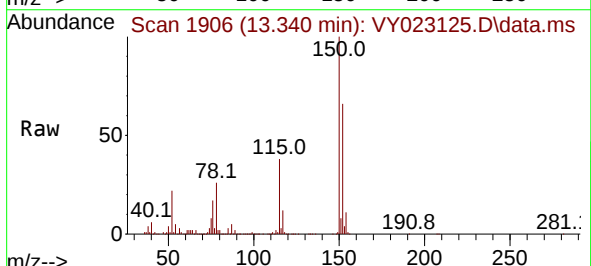
Tgt Ion:152 Resp: 378902

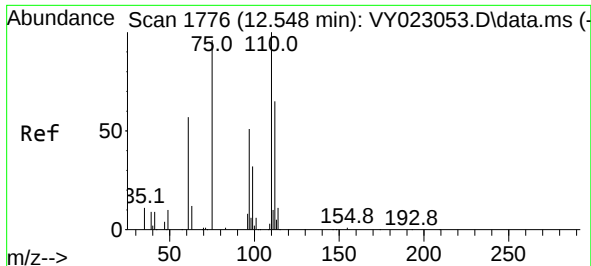
Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.6

150 153.9 0.0 348.0

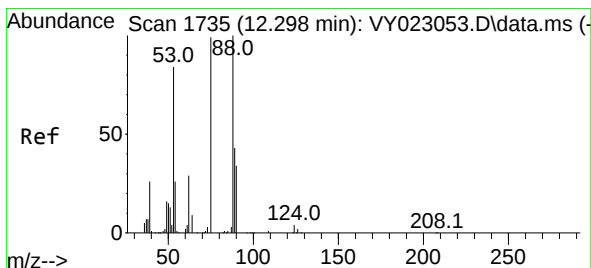
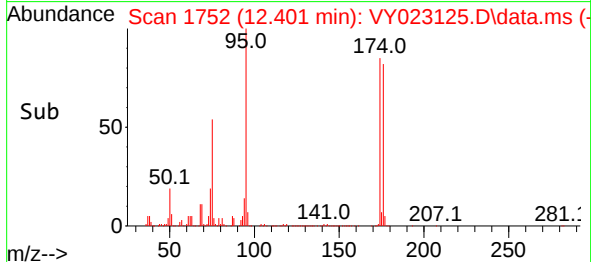
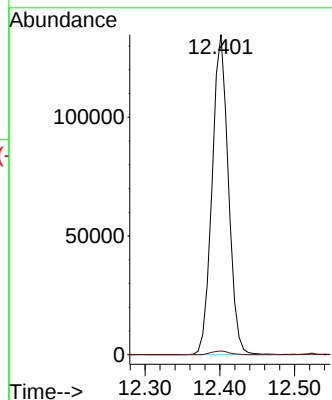
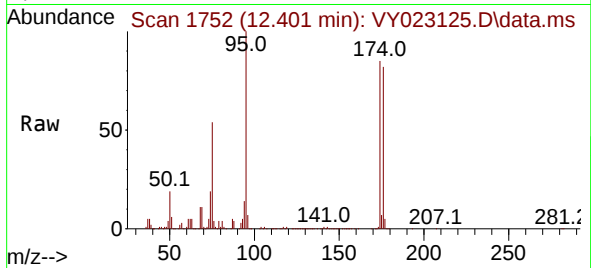




#76  
1,2,3-Trichloropropane  
Concen: 55.669 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.146 min  
Lab File: VY023125.D  
Acq: 15 Aug 2025 15:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TG-S03

Tgt Ion: 75 Resp: 203572  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 134.758 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.104 min  
Lab File: VY023125.D  
Acq: 15 Aug 2025 15:11

Tgt Ion: 75 Resp: 203572  
Ion Ratio Lower Upper  
75 100  
53 0.2 70.8 106.2#  
89 0.0 38.1 57.1#

