

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050525\  
 Data File : VY022153.D  
 Acq On : 05 May 2025 12:47  
 Operator : SY/MD  
 Sample : Q1947-03  
 Misc : 4.89g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MH-P-VOC

Quant Time: May 06 05:21:05 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  | 261807   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 510221   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 447557   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 176145   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 140208   | 57.979   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 115.960% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 172512   | 51.178   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.360% |
| 50) Toluene-d8              | 10.109 | 98    | 611443   | 48.115   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.240%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 174223   | 40.725   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 81.460%  |

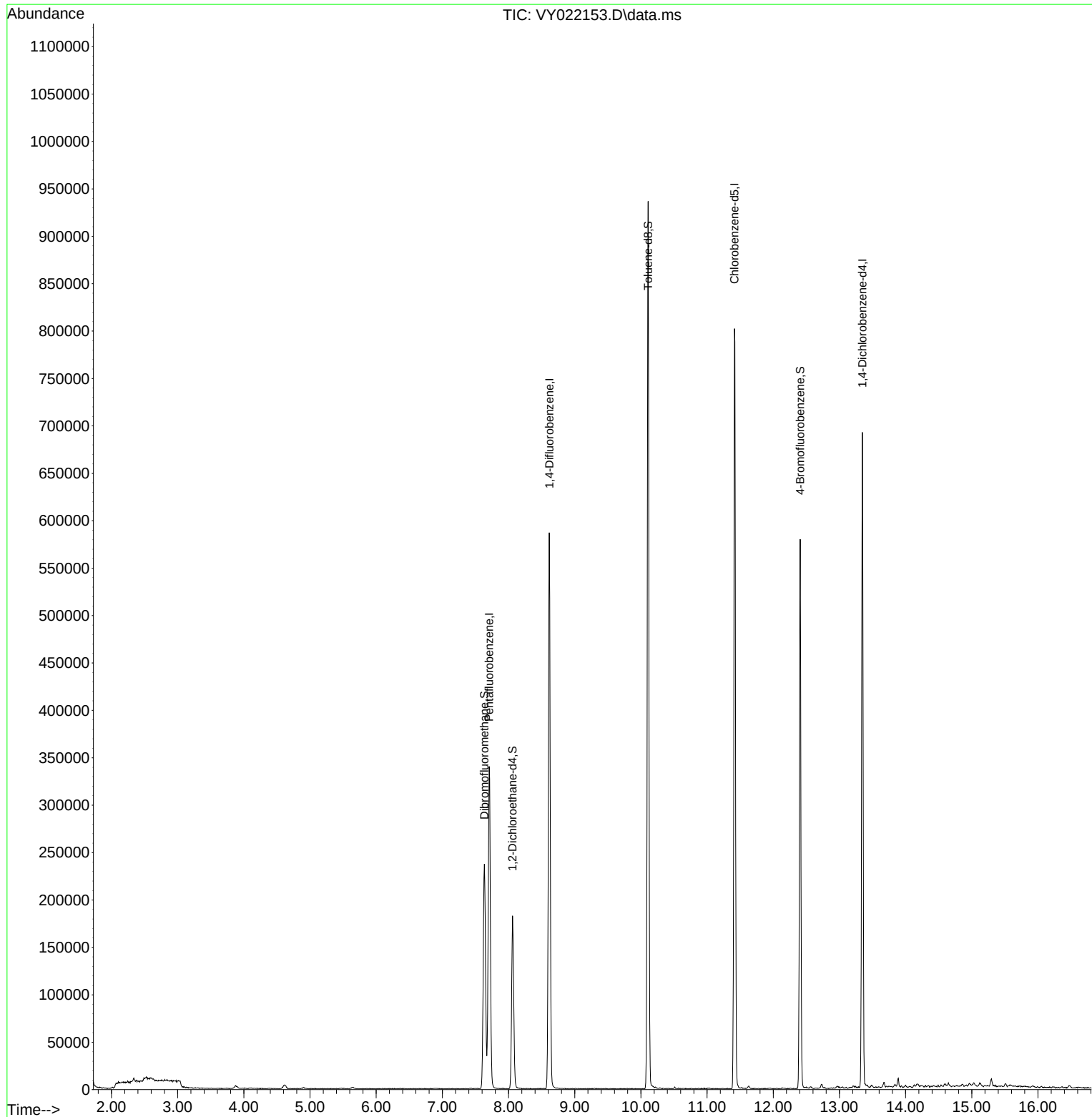
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

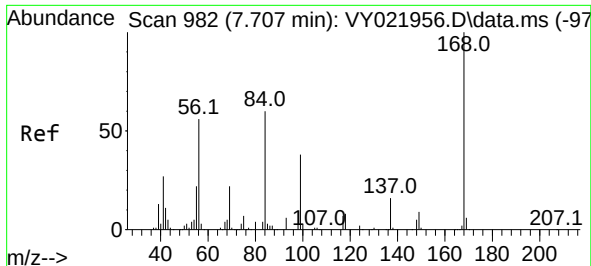
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050525\  
Data File : VY022153.D  
Acq On : 05 May 2025 12:47  
Operator : SY/MD  
Sample : Q1947-03  
Misc : 4.89g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-P-VOC

Quant Time: May 06 05:21:05 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

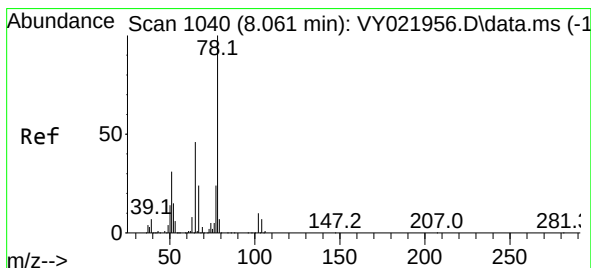
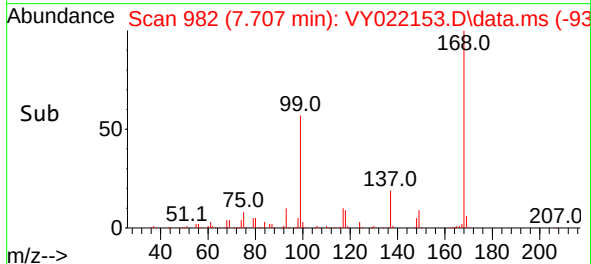
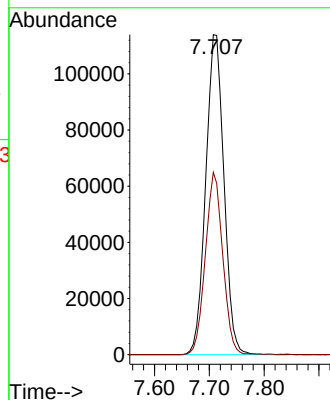
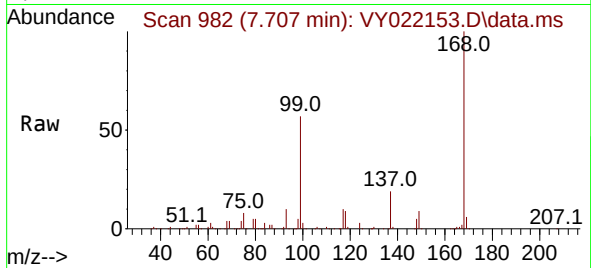




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY022153.D  
Acq: 05 May 2025 12:47

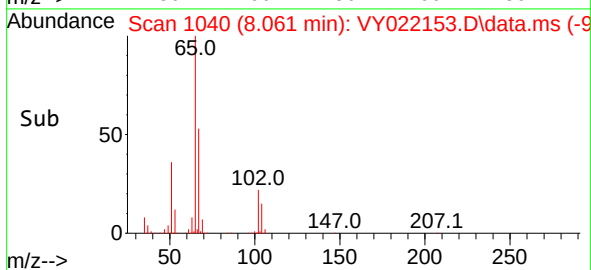
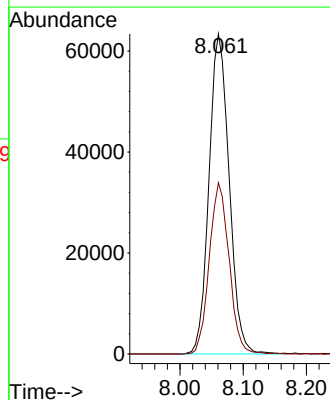
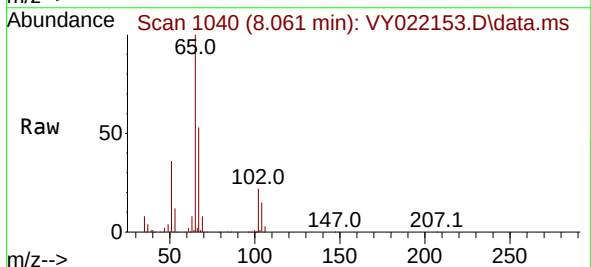
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-P-VOC

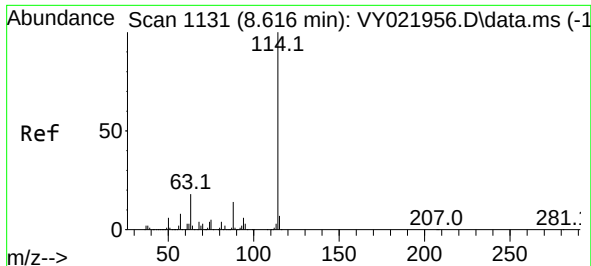
Tgt Ion:168 Resp: 261807  
Ion Ratio Lower Upper  
168 100  
99 57.0 43.1 64.7



#33  
1,2-Dichloroethane-d4  
Concen: 57.979 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY022153.D  
Acq: 05 May 2025 12:47

Tgt Ion: 65 Resp: 140208  
Ion Ratio Lower Upper  
65 100  
67 52.6 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: VY022153.D

Acq: 05 May 2025 12:47

Instrument :

MSVOA\_Y

ClientSampleId :

MH-P-VOC

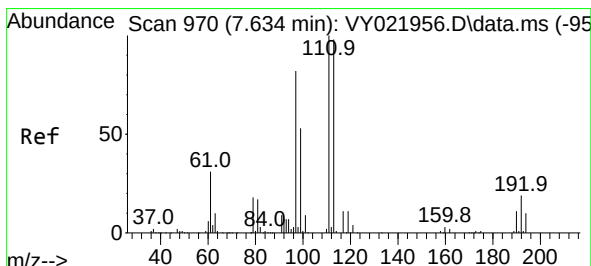
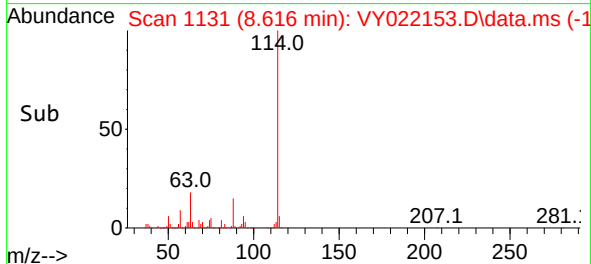
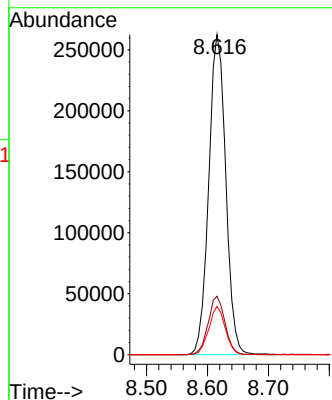
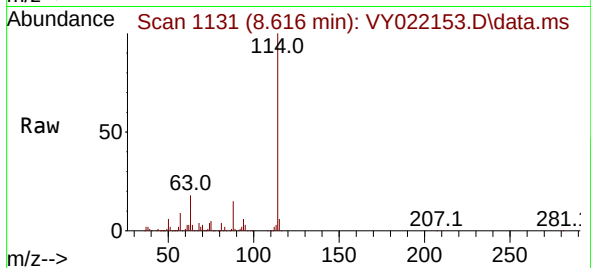
Tgt Ion:114 Resp: 510221

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.4

88 15.1 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.178 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022153.D

Acq: 05 May 2025 12:47

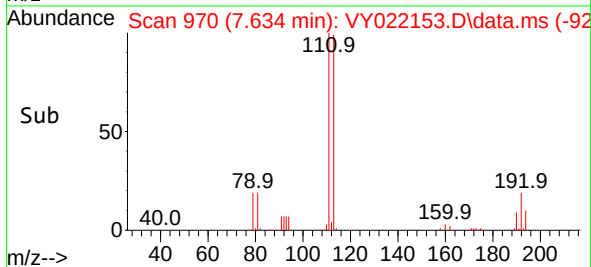
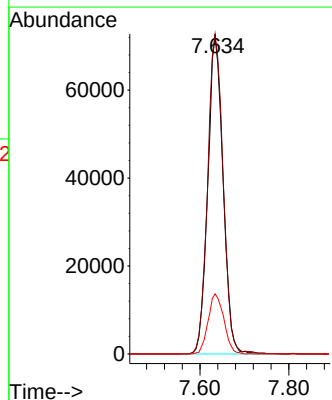
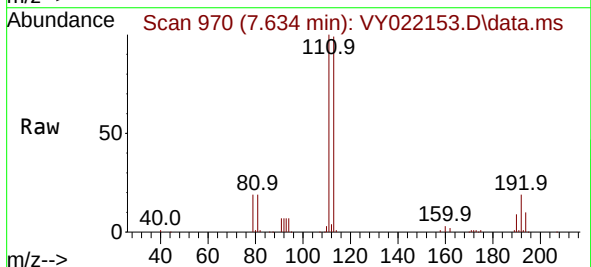
Tgt Ion:113 Resp: 172512

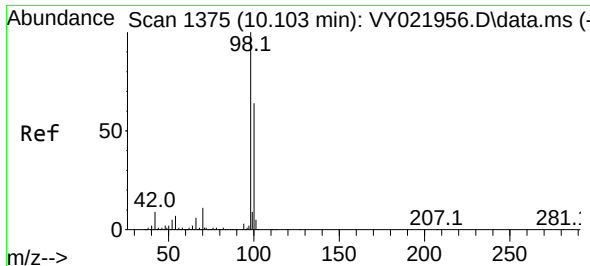
Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 19.6 15.6 23.4

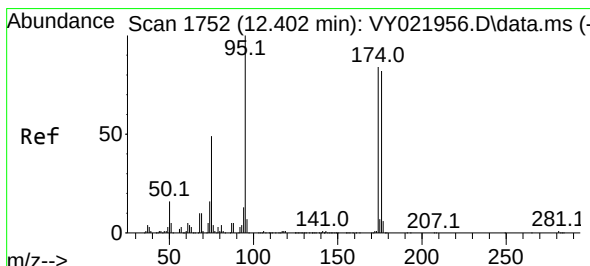
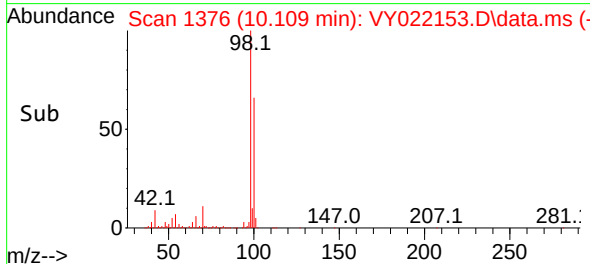
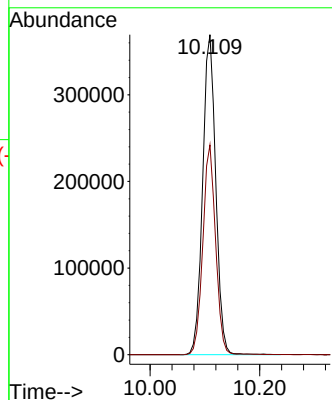
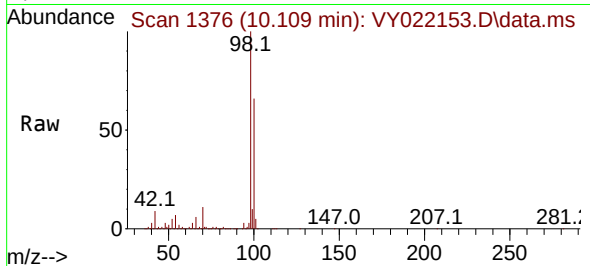




#50  
Toluene-d8  
Concen: 48.115 ug/l  
RT: 10.109 min Scan# 1375  
Delta R.T. 0.006 min  
Lab File: VY022153.D  
Acq: 05 May 2025 12:47

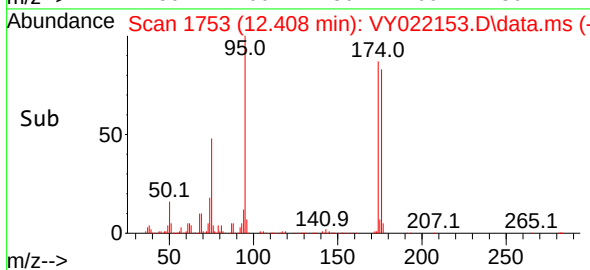
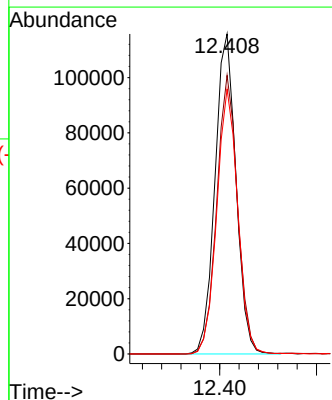
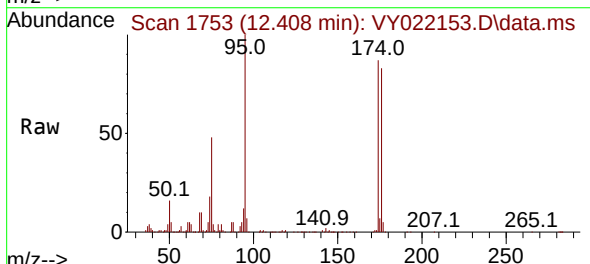
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-P-VOC

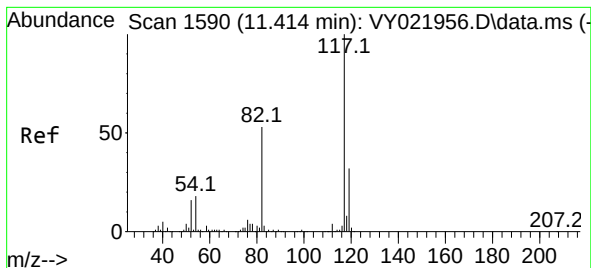
Tgt Ion: 98 Resp: 611443  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 40.725 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY022153.D  
Acq: 05 May 2025 12:47

Tgt Ion: 95 Resp: 174223  
Ion Ratio Lower Upper  
95 100  
174 86.4 0.0 179.0  
176 82.6 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022153.D

Acq: 05 May 2025 12:47

Instrument :

MSVOA\_Y

ClientSampleId :

MH-P-VOC

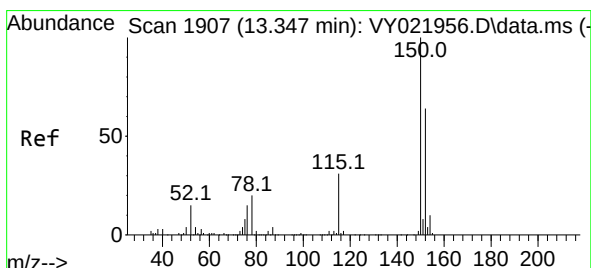
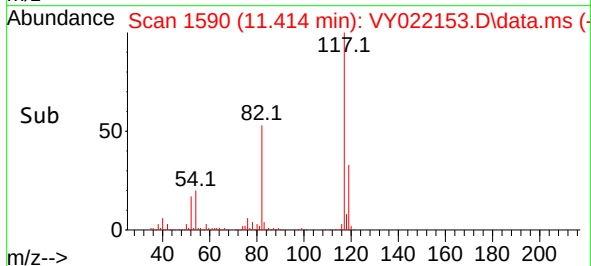
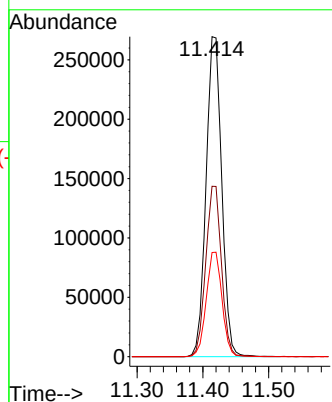
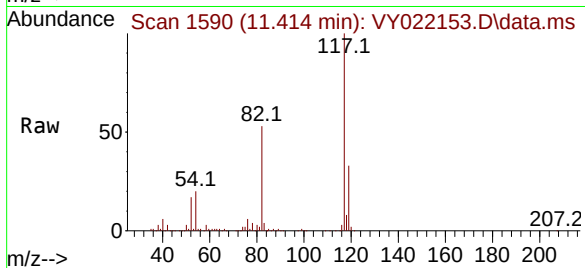
Tgt Ion:117 Resp: 447557

Ion Ratio Lower Upper

117 100

82 53.3 42.1 63.1

119 32.6 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: VY022153.D

Acq: 05 May 2025 12:47

Tgt Ion:152 Resp: 176145

Ion Ratio Lower Upper

152 100

115 57.9 28.0 84.0

150 156.1 0.0 345.6

