

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042925\  
 Data File : VY022047.D  
 Acq On : 29 Apr 2025 10:00  
 Operator : SY/MD  
 Sample : VY0429SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0429SBL01

Quant Time: Apr 30 01:32:25 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  | 323132   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 602161   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 529726   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 203699   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 150135   | 50.301   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 100.600% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 198621   | 49.927   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.860%  |
| 50) Toluene-d8              | 10.109 | 98    | 714245   | 47.623   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 95.240%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 285524   | 56.552   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 113.100% |

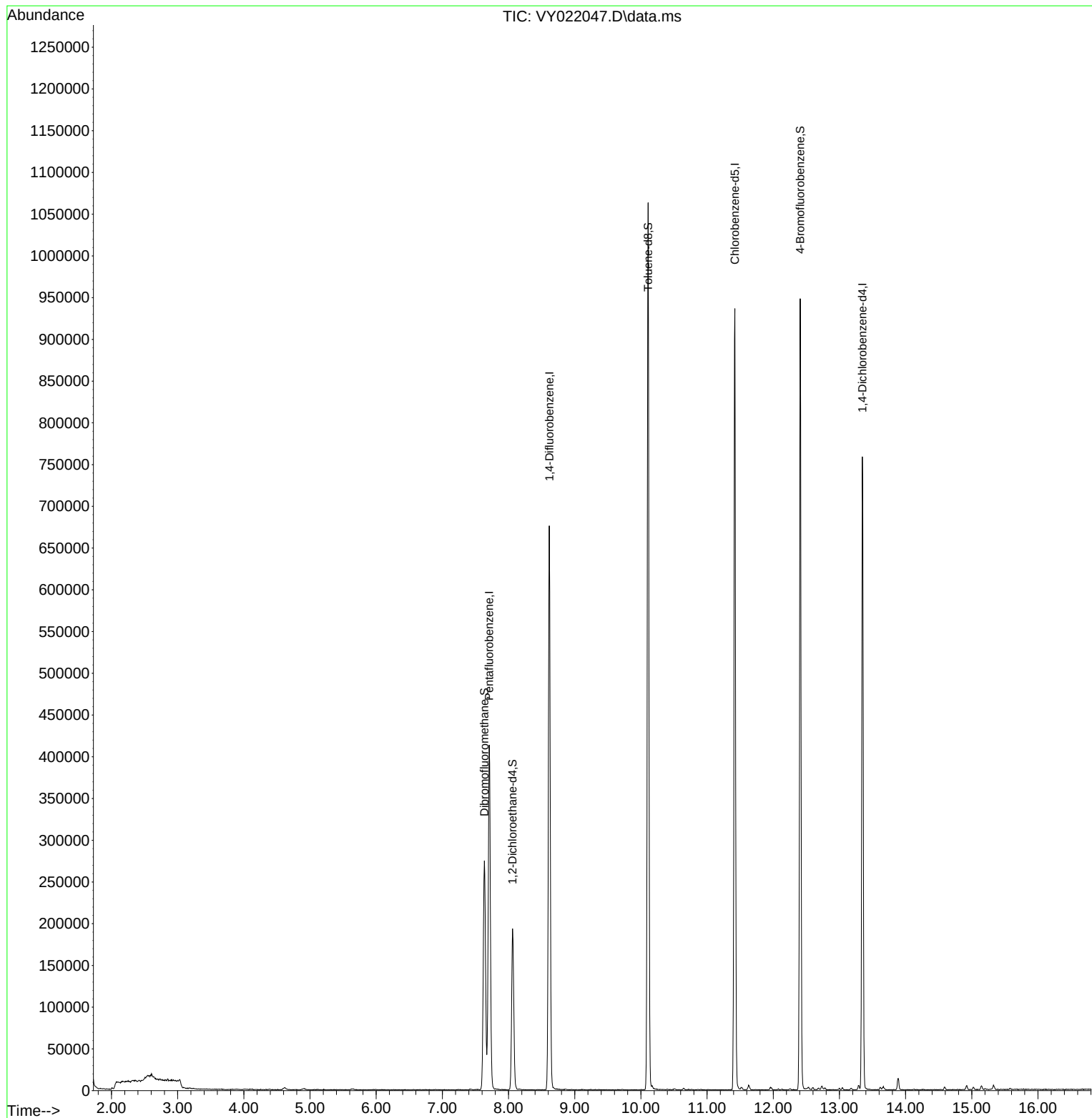
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

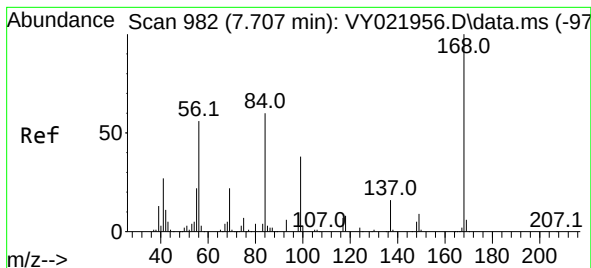
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY022047.D

Acq: 29 Apr 2025 10:00

Instrument :

MSVOA\_Y

ClientSampleId :

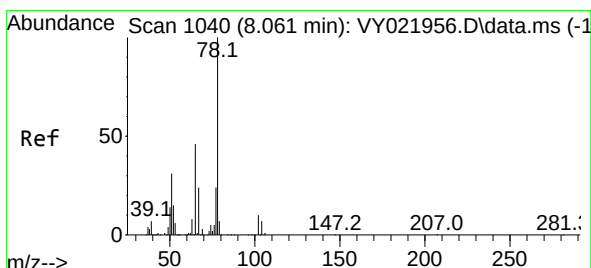
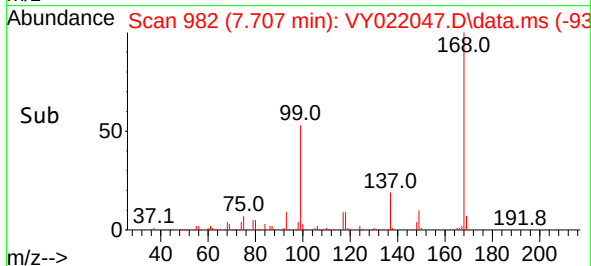
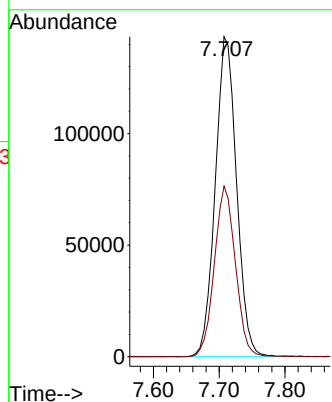
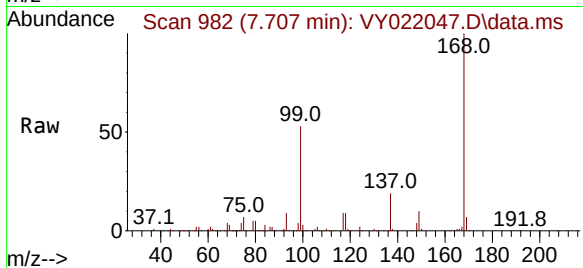
VY0429SBL01

Tgt Ion:168 Resp: 323132

Ion Ratio Lower Upper

168 100

99 53.3 43.1 64.7



#33

1,2-Dichloroethane-d4

Concen: 50.301 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022047.D

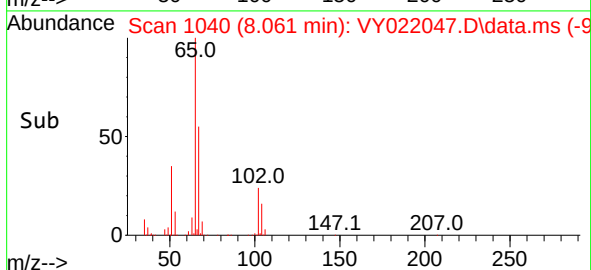
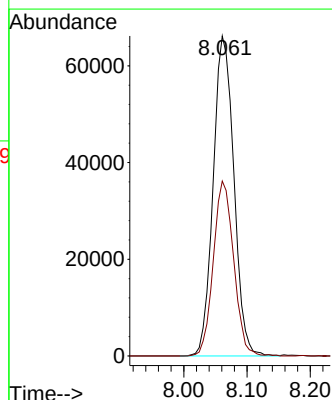
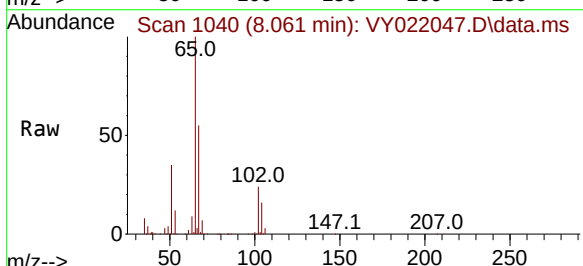
Acq: 29 Apr 2025 10:00

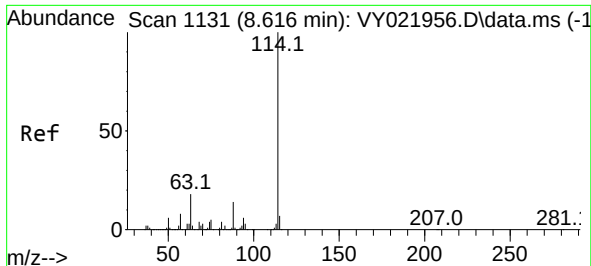
Tgt Ion: 65 Resp: 150135

Ion Ratio Lower Upper

65 100

67 53.9 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: VY022047.D

Acq: 29 Apr 2025 10:00

Instrument :

MSVOA\_Y

ClientSampleId :

VY0429SBL01

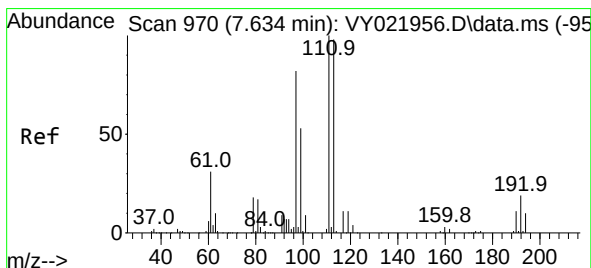
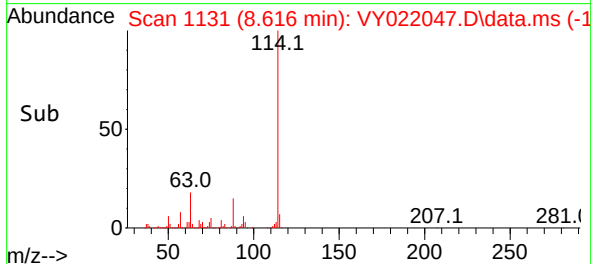
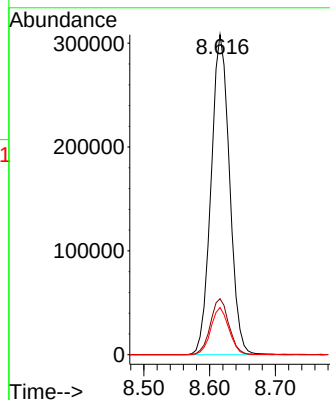
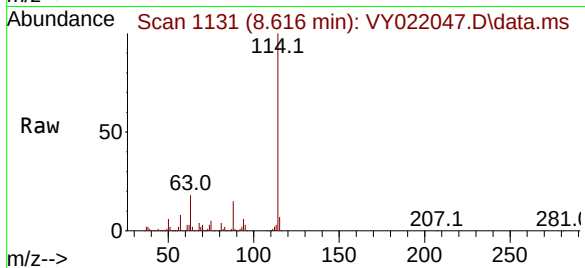
Tgt Ion:114 Resp: 602161

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 14.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 49.927 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022047.D

Acq: 29 Apr 2025 10:00

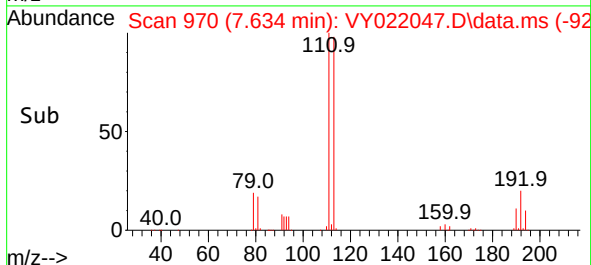
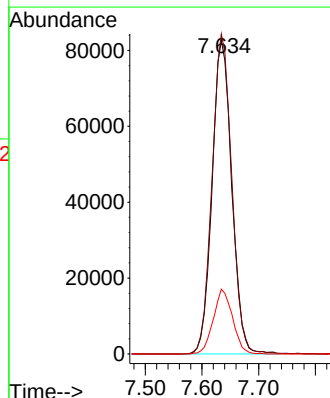
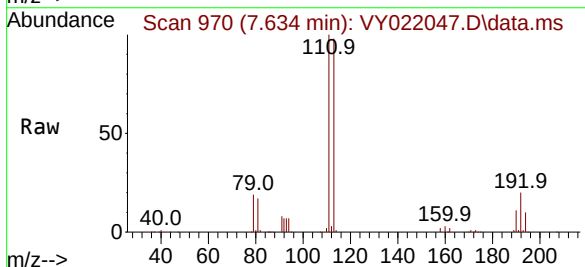
Tgt Ion:113 Resp: 198621

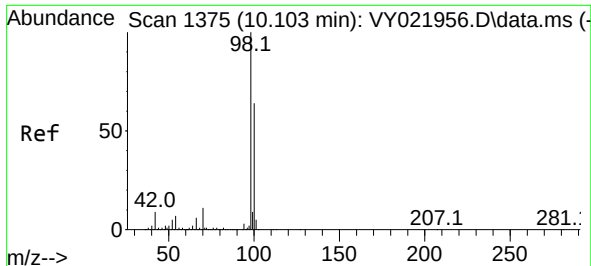
Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

192 20.3 15.6 23.4

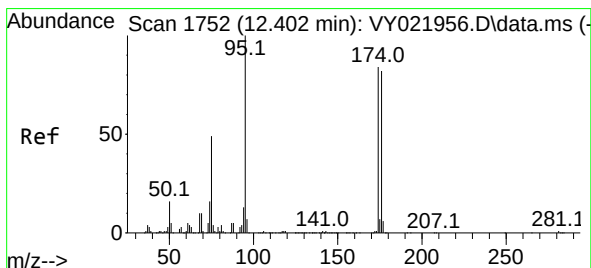
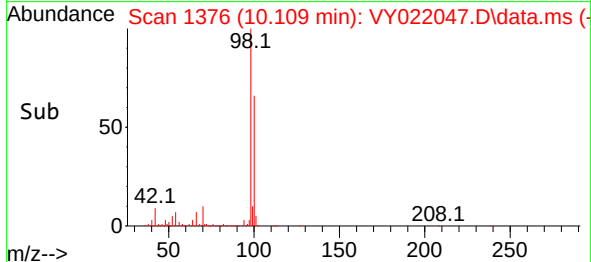
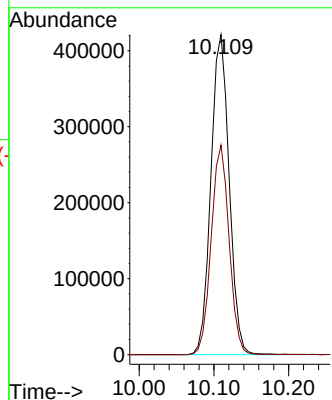
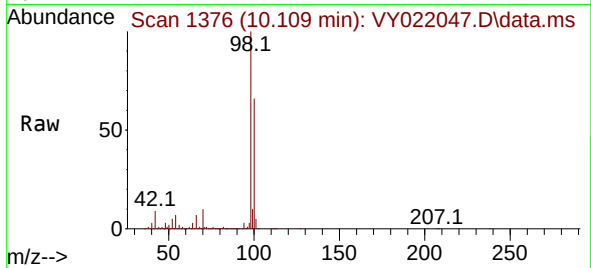




#50  
Toluene-d8  
Concen: 47.623 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY022047.D  
Acq: 29 Apr 2025 10:00

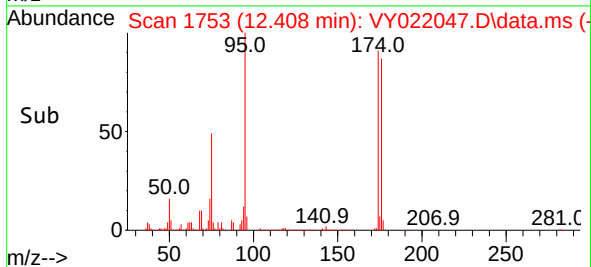
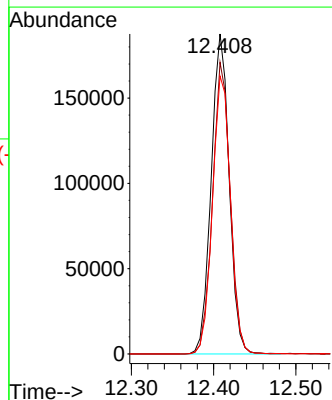
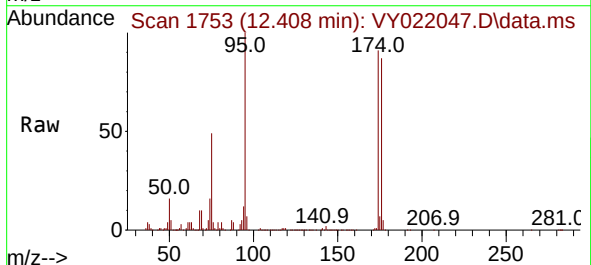
Instrument :  
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VY0429SBL01

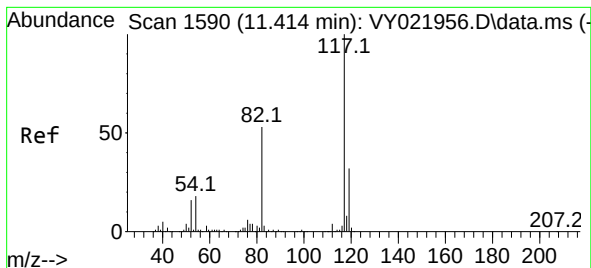
Tgt Ion: 98 Resp: 714245  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 56.552 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY022047.D  
Acq: 29 Apr 2025 10:00

Tgt Ion: 95 Resp: 285524  
Ion Ratio Lower Upper  
95 100  
174 89.5 0.0 179.0  
176 87.0 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022047.D

Acq: 29 Apr 2025 10:00

Instrument :

MSVOA\_Y

ClientSampleId :

VY0429SBL01

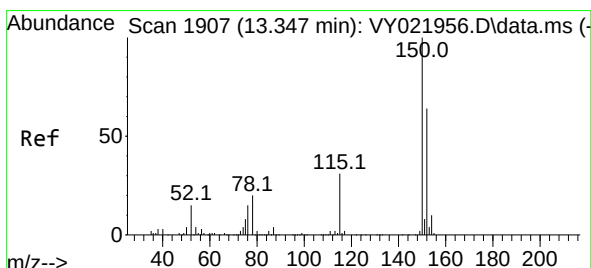
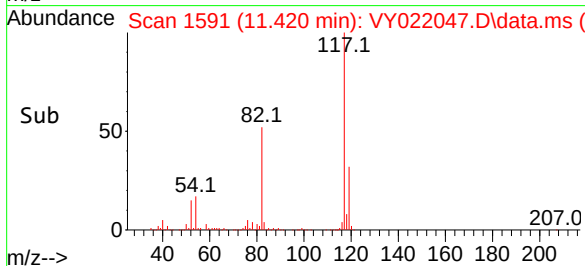
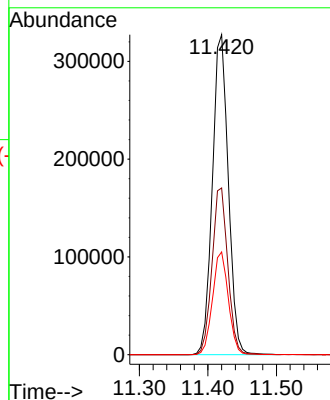
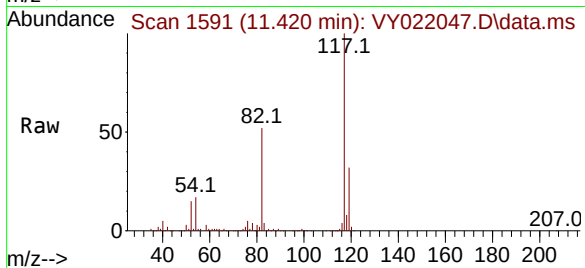
Tgt Ion:117 Resp: 529726

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

119 32.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022047.D

Acq: 29 Apr 2025 10:00

Tgt Ion:152 Resp: 203699

Ion Ratio Lower Upper

152 100

115 55.5 28.0 84.0

150 156.0 0.0 345.6

