

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041125\  
 Data File : VY021857.D  
 Acq On : 11 Apr 2025 14:20  
 Operator : SY/MD  
 Sample : Q1781-07  
 Misc : 5.63g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-12-VOC

Quant Time: Apr 12 02:49:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 297755   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 538619   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 460581   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 180672   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 162280   | 50.302   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 100.600% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 176165   | 50.420   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 100.840% |
| 50) Toluene-d8              | 10.109 | 98    | 634245   | 47.716   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 95.440%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 189220   | 42.087   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 84.180%  |

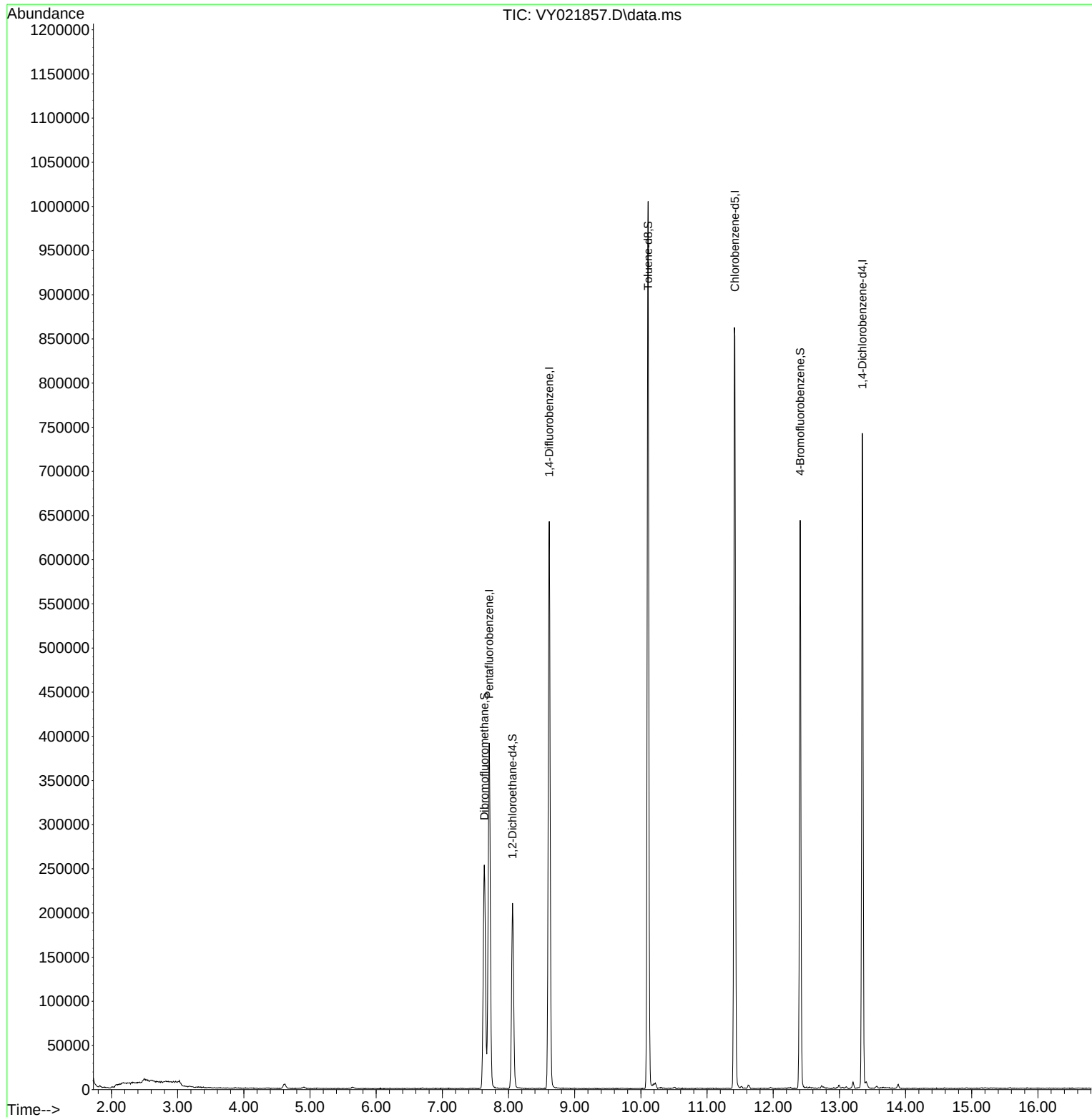
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

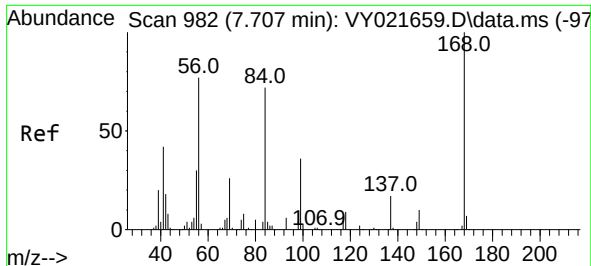
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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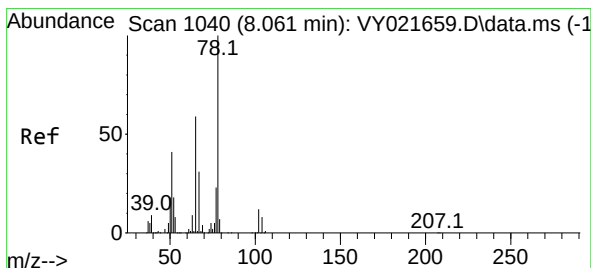
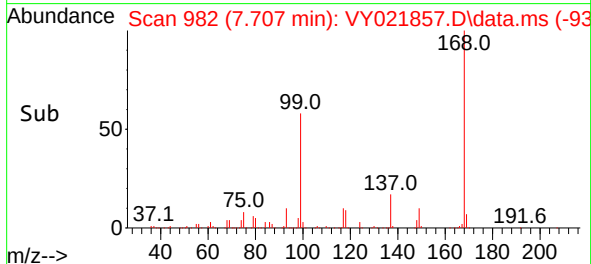
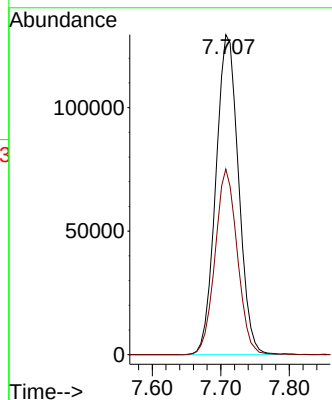
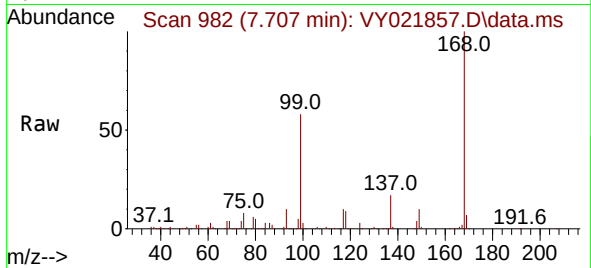




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021857.D  
Acq: 11 Apr 2025 14:20

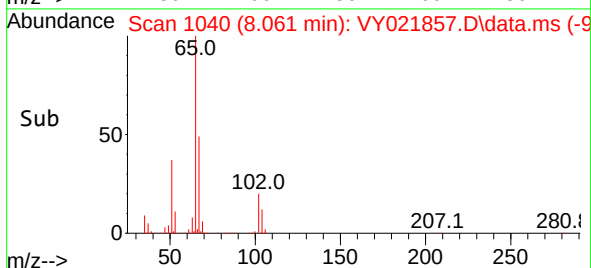
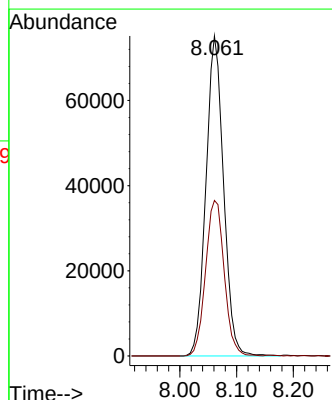
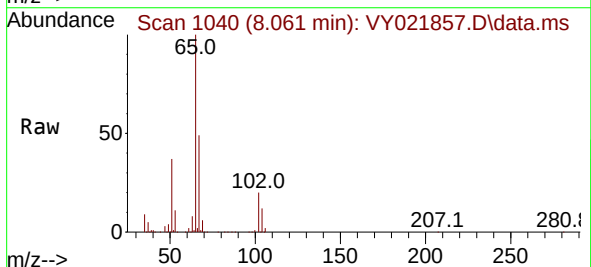
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-12-VOC

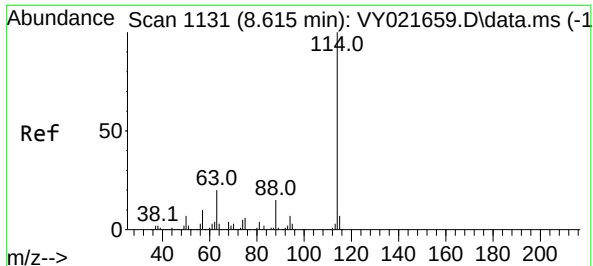
Tgt Ion:168 Resp: 297755  
Ion Ratio Lower Upper  
168 100  
99 58.0 46.7 70.1



#33  
1,2-Dichloroethane-d4  
Concen: 50.302 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY021857.D  
Acq: 11 Apr 2025 14:20

Tgt Ion: 65 Resp: 162280  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021857.D

Acq: 11 Apr 2025 14:20

Instrument :

MSVOA\_Y

ClientSampleId :

WC-12-VOC

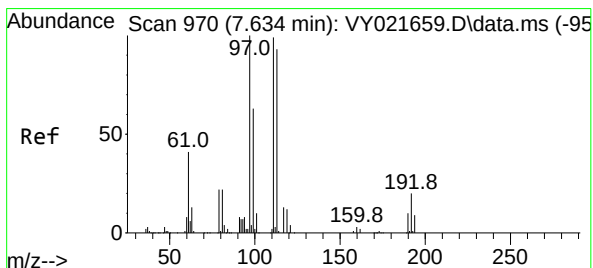
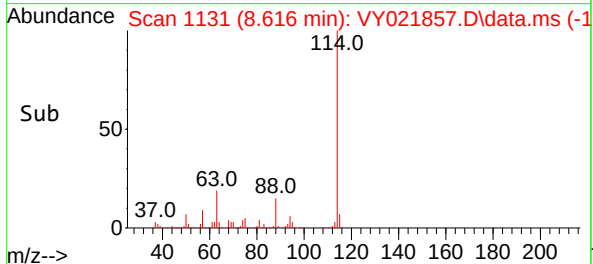
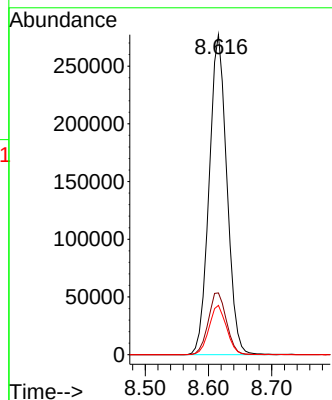
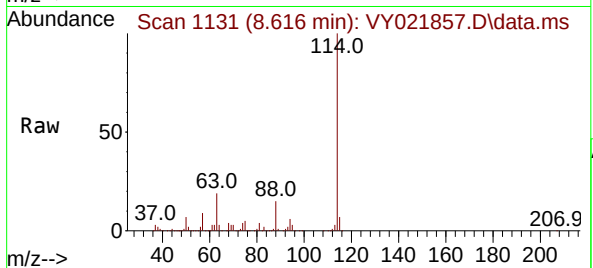
Tgt Ion:114 Resp: 538619

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.2

88 15.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.420 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021857.D

Acq: 11 Apr 2025 14:20

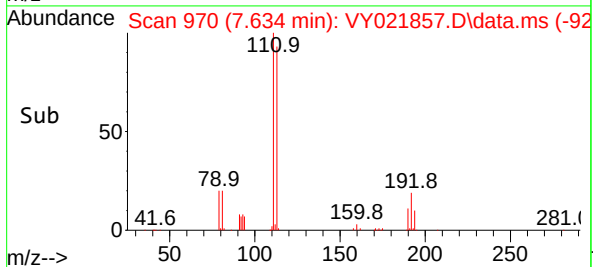
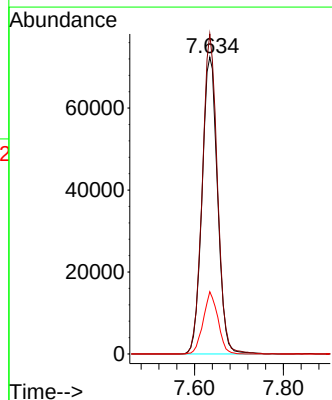
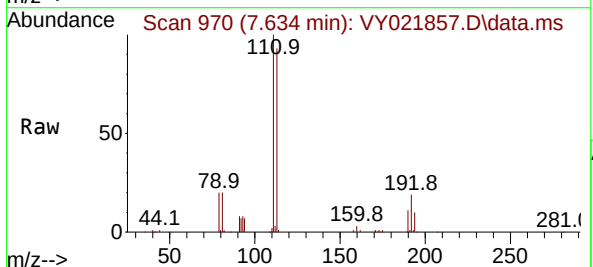
Tgt Ion:113 Resp: 176165

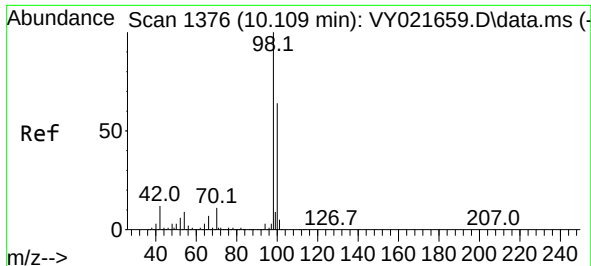
Ion Ratio Lower Upper

113 100

111 104.7 82.6 123.8

192 19.9 16.2 24.4

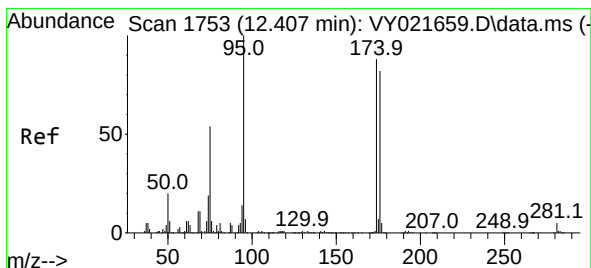
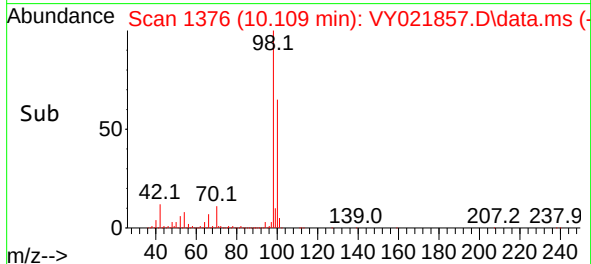
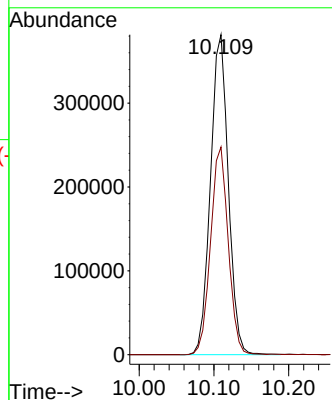
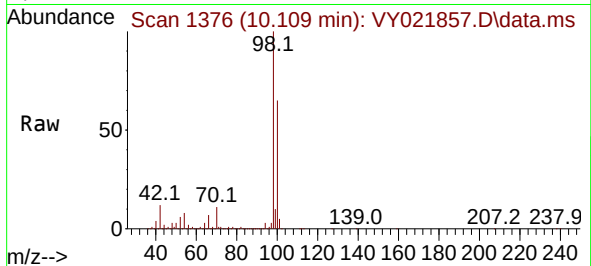




#50  
Toluene-d8  
Concen: 47.716 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY021857.D  
Acq: 11 Apr 2025 14:20

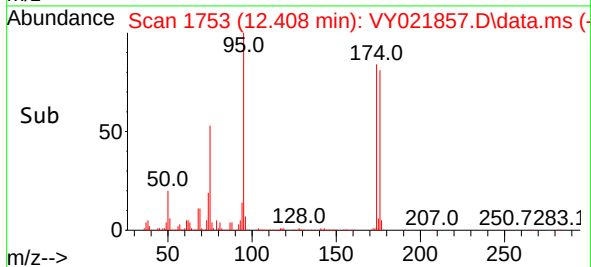
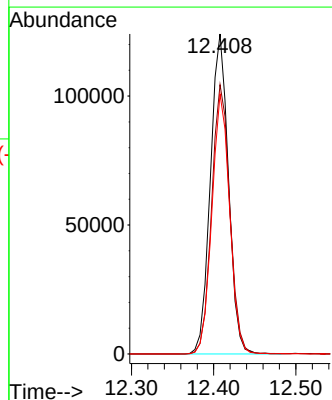
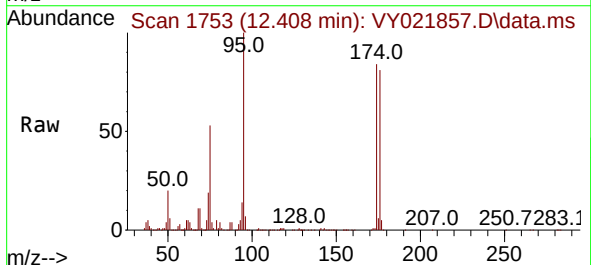
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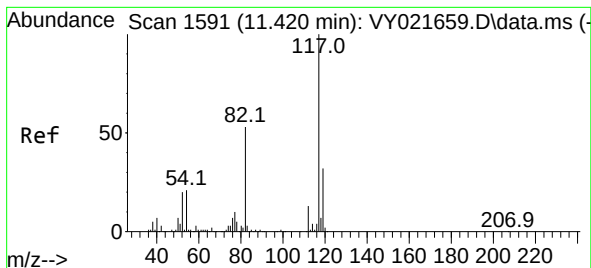
Tgt Ion: 98 Resp: 634245  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 42.087 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY021857.D  
Acq: 11 Apr 2025 14:20

Tgt Ion: 95 Resp: 189220  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 170.8  
176 80.0 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021857.D

Acq: 11 Apr 2025 14:20

Instrument :

MSVOA\_Y

ClientSampleId :

WC-12-VOC

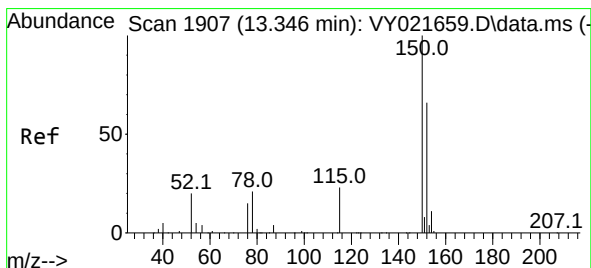
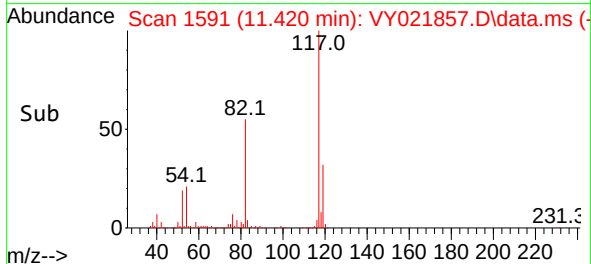
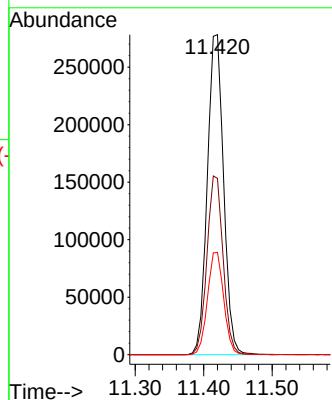
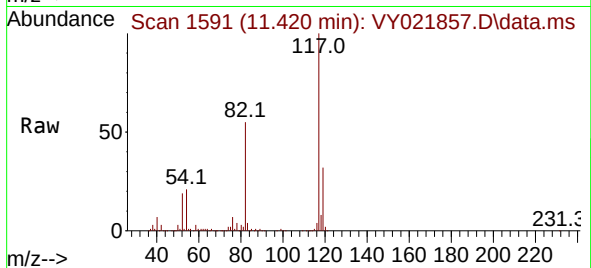
Tgt Ion:117 Resp: 460581

Ion Ratio Lower Upper

117 100

82 55.1 42.8 64.2

119 32.0 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: VY021857.D

Acq: 11 Apr 2025 14:20

Tgt Ion:152 Resp: 180672

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 157.8 0.0 348.4

