

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070325\  
 Data File : VY022935.D  
 Acq On : 03 Jul 2025 12:16  
 Operator : SY/MD  
 Sample : Q2486-02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VOC

Quant Time: Jul 04 03:18:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 24 08:29:52 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 259180   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 477849   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 460072   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 191519   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 143392   | 49.570   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.140%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 151926   | 52.279   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.560% |
| 50) Toluene-d8              | 10.103 | 98    | 589489   | 51.119   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 102.240% |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 194015   | 52.337   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 104.680% |

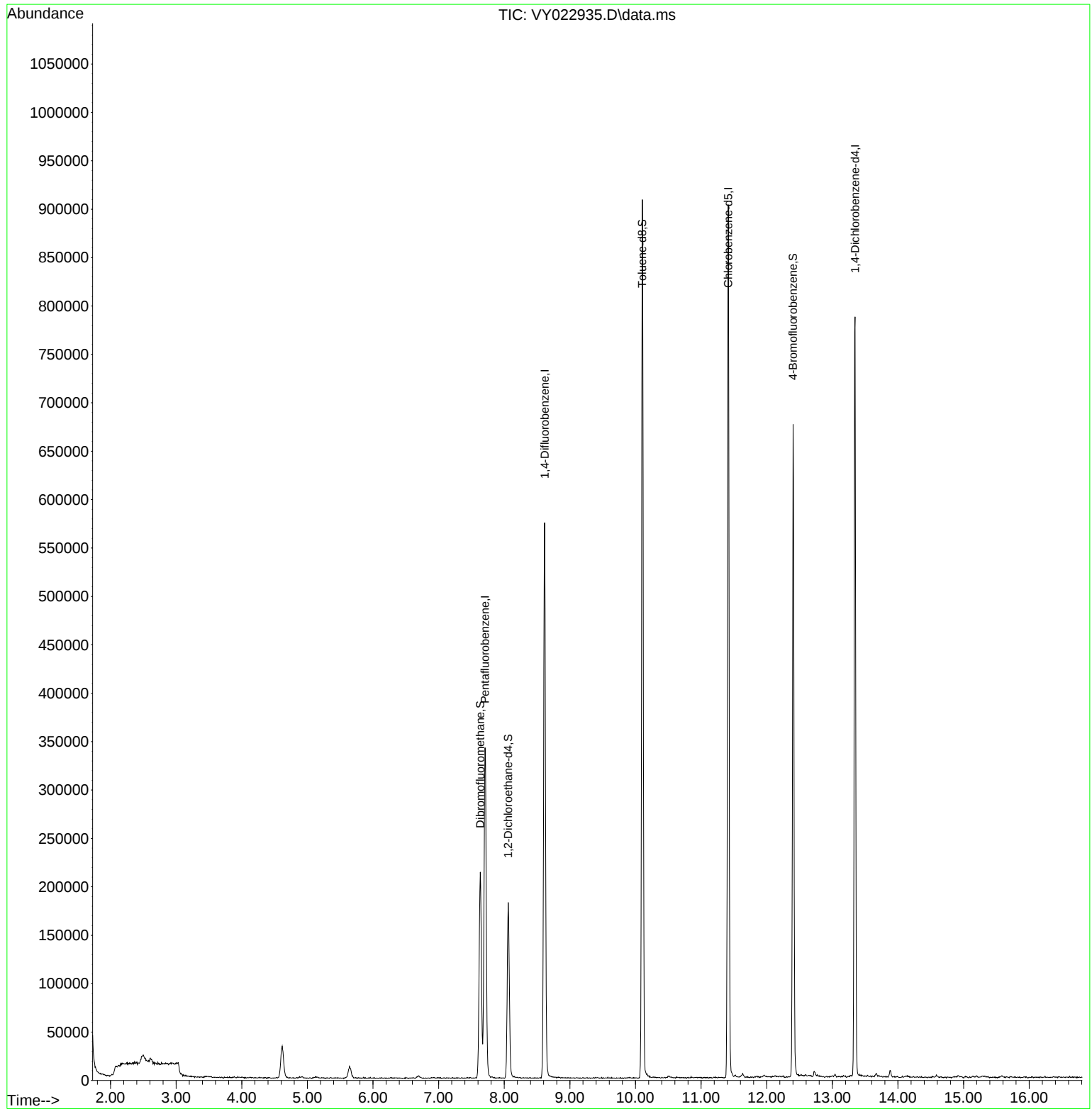
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

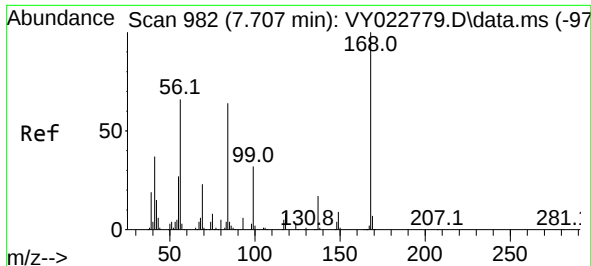
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070325\  
Data File : VY022935.D  
Acq On : 03 Jul 2025 12:16  
Operator : SY/MD  
Sample : Q2486-02  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC

Quant Time: Jul 04 03:18:09 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 24 08:29:52 2025  
Response via : Initial Calibration

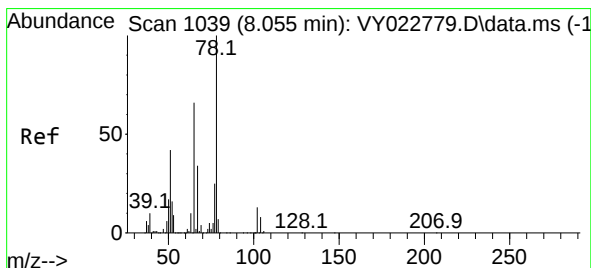
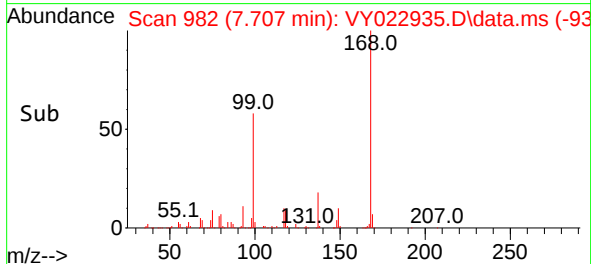
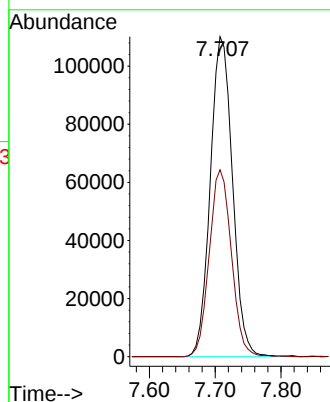
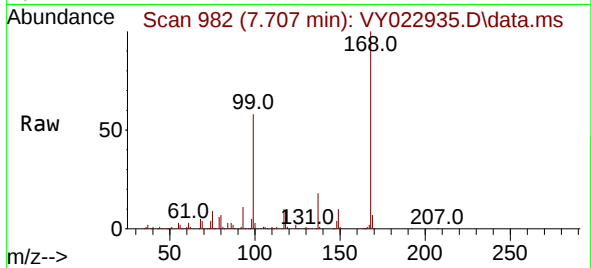




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022935.D  
Acq: 03 Jul 2025 12:16

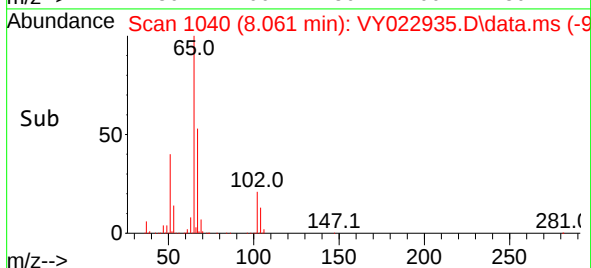
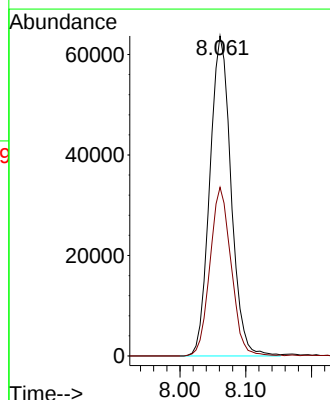
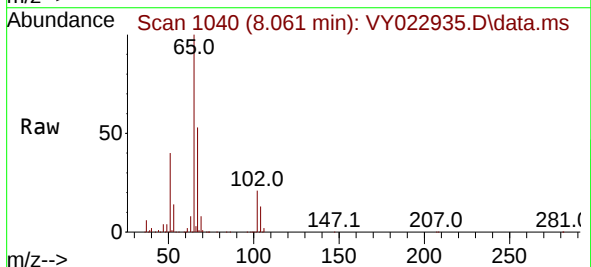
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC

Tgt Ion:168 Resp: 259180  
Ion Ratio Lower Upper  
168 100  
99 58.4 44.3 66.5



#33  
1,2-Dichloroethane-d4  
Concen: 49.570 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY022935.D  
Acq: 03 Jul 2025 12:16

Tgt Ion: 65 Resp: 143392  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 103.4

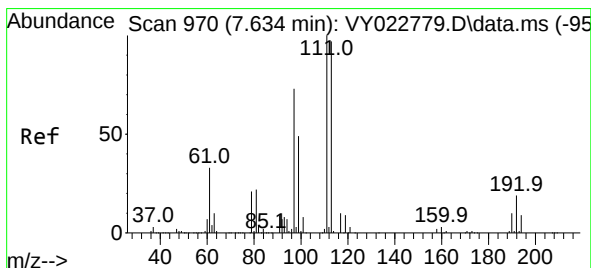
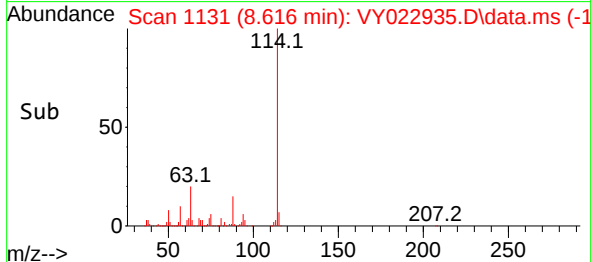
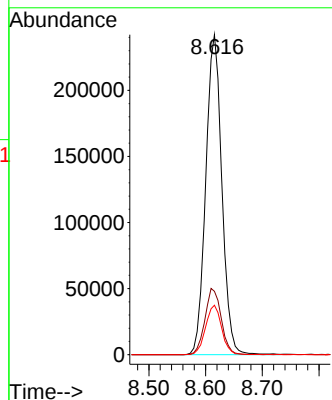
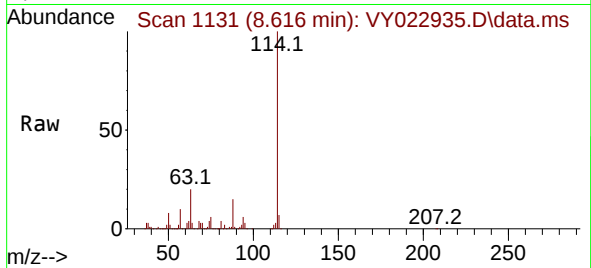




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY022935.D  
Acq: 03 Jul 2025 12:16

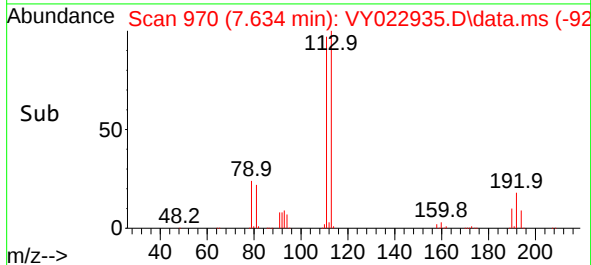
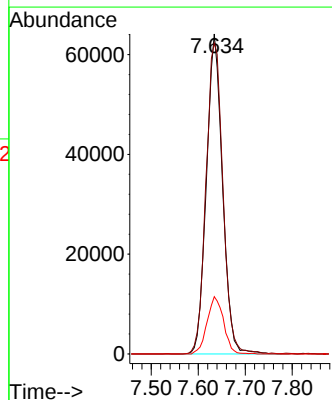
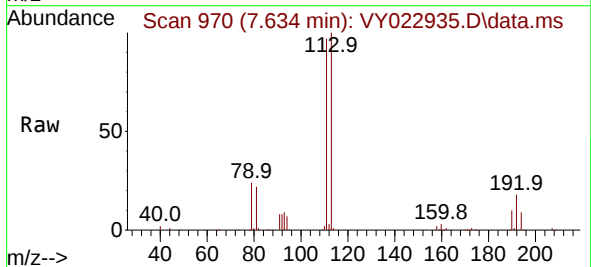
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC

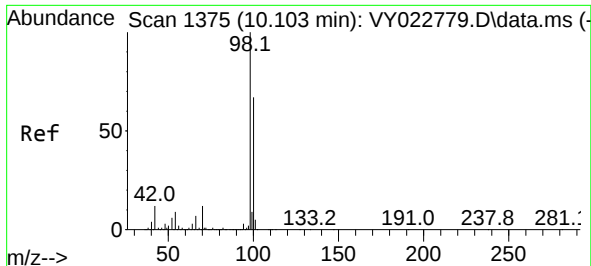
Tgt Ion:114 Resp: 477849  
Ion Ratio Lower Upper  
114 100  
63 19.8 0.0 40.8  
88 15.5 0.0 27.8



#35  
Dibromofluoromethane  
Concen: 52.279 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.006 min  
Lab File: VY022935.D  
Acq: 03 Jul 2025 12:16

Tgt Ion:113 Resp: 151926  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.1 121.7  
192 18.5 14.2 21.2

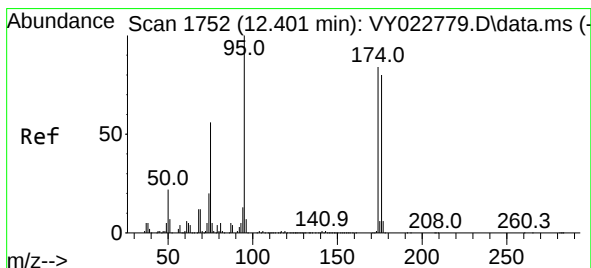
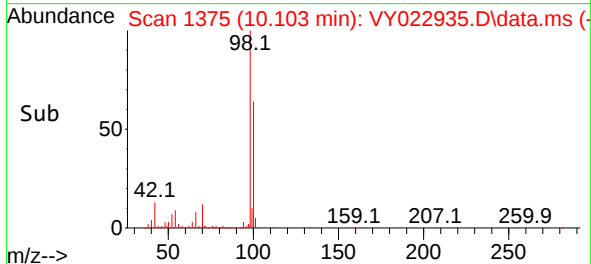
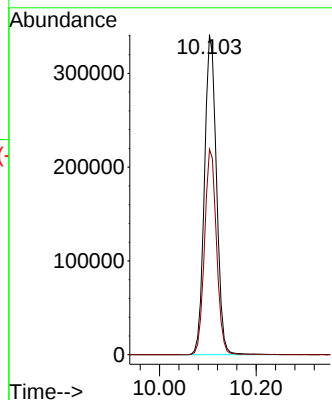
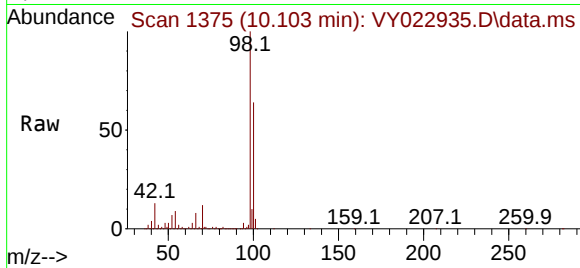




#50  
Toluene-d8  
Concen: 51.119 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.006 min  
Lab File: VY022935.D  
Acq: 03 Jul 2025 12:16

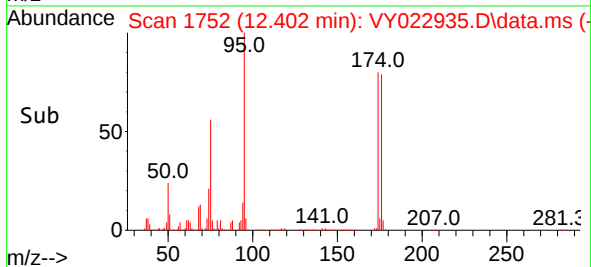
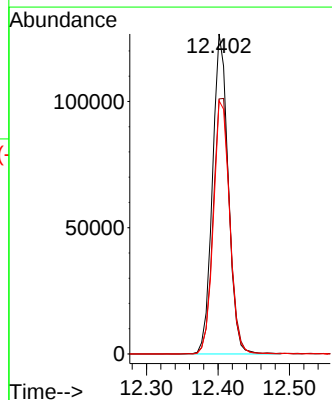
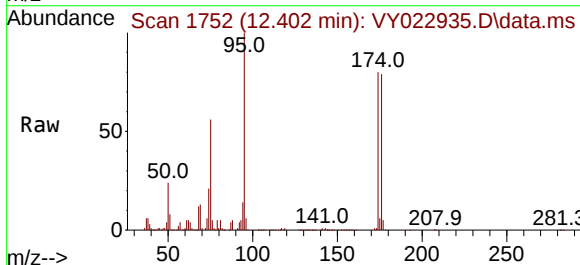
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC

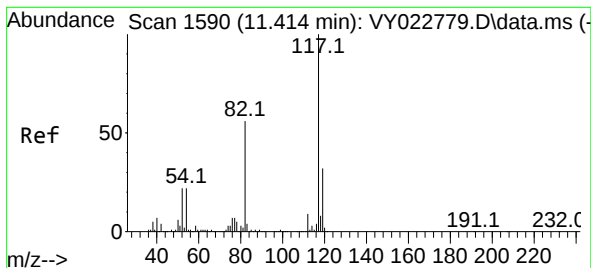
Tgt Ion: 98 Resp: 589489  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 52.337 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY022935.D  
Acq: 03 Jul 2025 12:16

Tgt Ion: 95 Resp: 194015  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 170.0  
176 81.1 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022935.D

Acq: 03 Jul 2025 12:16

Instrument :

MSVOA\_Y

ClientSampleId :

VOC

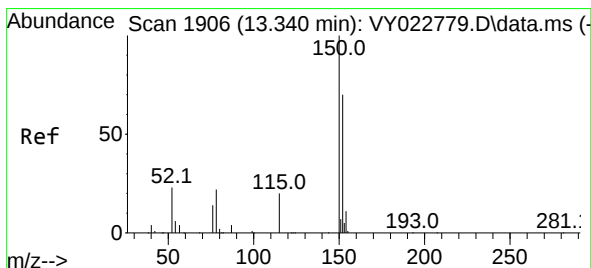
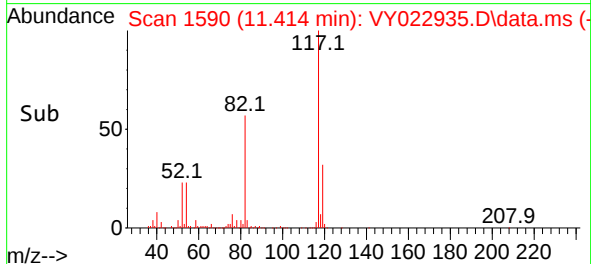
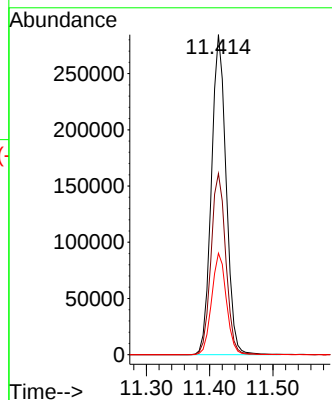
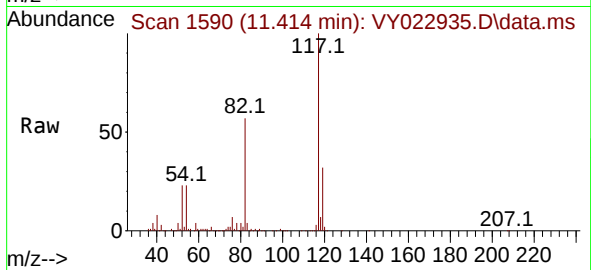
Tgt Ion:117 Resp: 460072

Ion Ratio Lower Upper

117 100

82 56.6 44.6 66.8

119 31.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022935.D

Acq: 03 Jul 2025 12:16

Tgt Ion:152 Resp: 191519

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

150 157.5 0.0 349.6

