

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD083024\  
 Data File : VD079758.D  
 Acq On : 30 Aug 2024 16:41  
 Operator : RP/MD  
 Sample : P3793-01  
 Misc : 5.06G/5.0ml/MSVOA\_D/SOIL/B  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RT2864

Quant Time: Aug 31 04:46:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D083024S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 15:57:30 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 18220    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 41499    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 40362    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 14101    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 25821    | 103.938  | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 207.880%# |
| 35) Dibromofluoromethane    | 7.805  | 113   | 18427    | 68.314   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 136.620%  |
| 50) Toluene-d8              | 10.269 | 98    | 58223    | 50.329   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.660%  |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 14729    | 45.503   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 91.000%   |

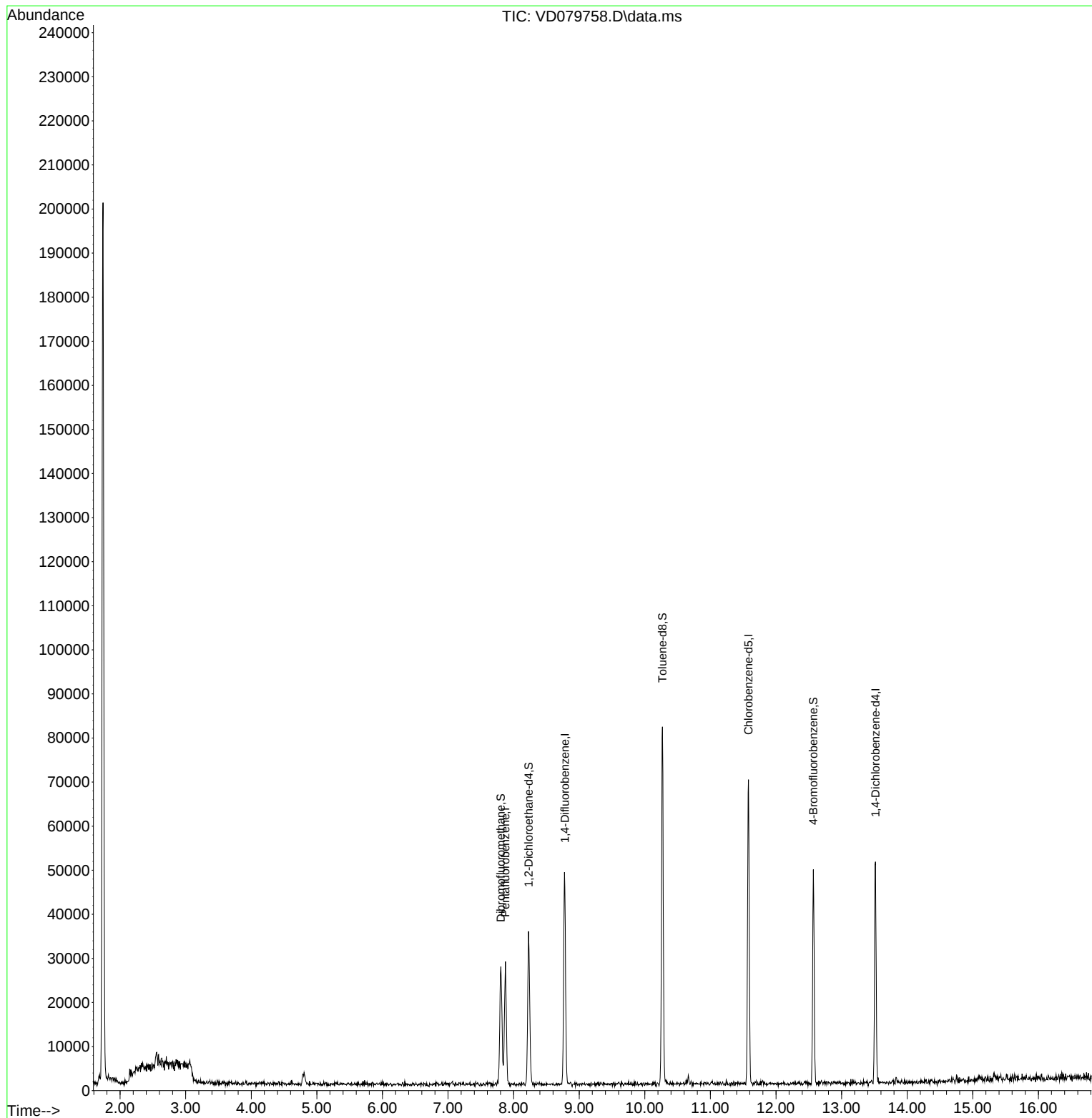
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

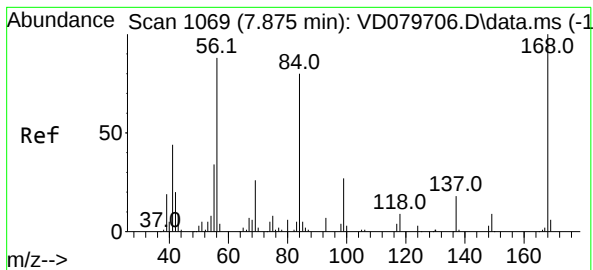
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 30 15:57:30 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD079758.D

Acq: 30 Aug 2024 16:41

Instrument :

MSVOA\_D

ClientSampleId :

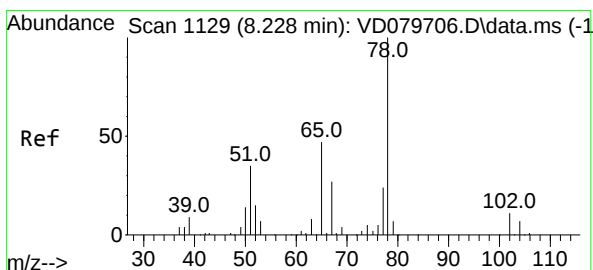
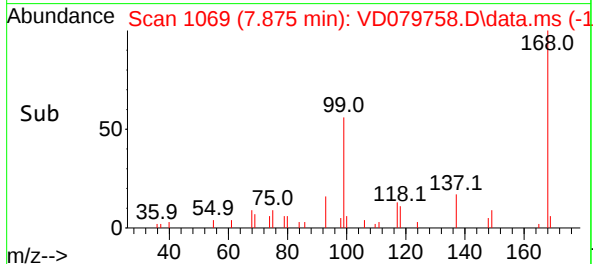
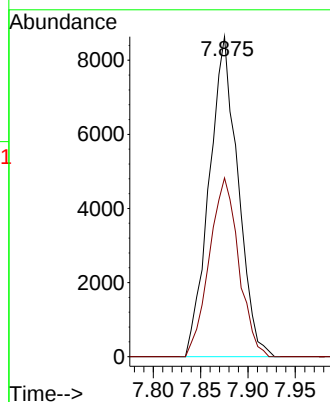
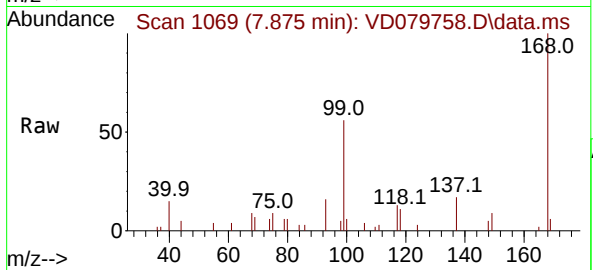
RT2864

Tgt Ion:168 Resp: 18220

Ion Ratio Lower Upper

168 100

99 55.8 41.1 61.7



#33

1,2-Dichloroethane-d4

Concen: 103.938 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079758.D

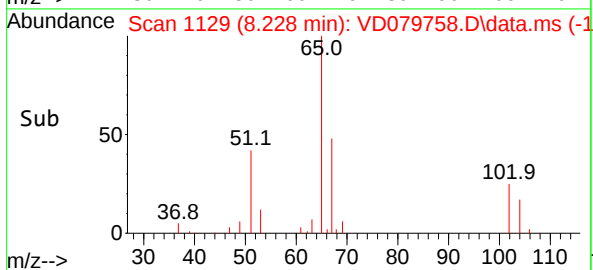
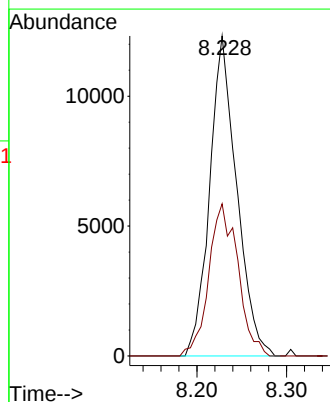
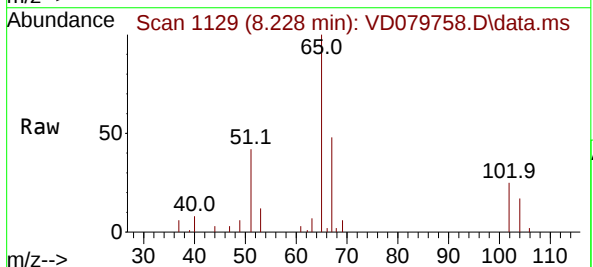
Acq: 30 Aug 2024 16:41

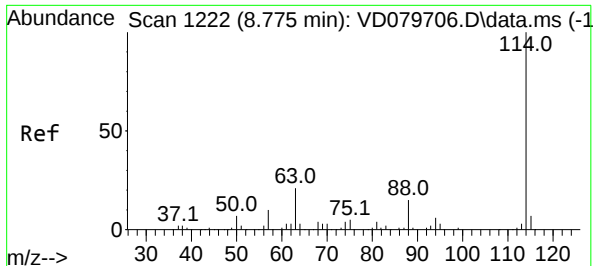
Tgt Ion: 65 Resp: 25821

Ion Ratio Lower Upper

65 100

67 51.1 0.0 111.0

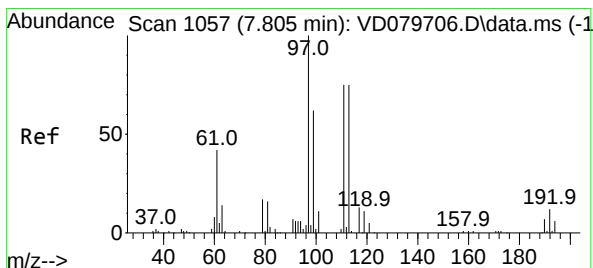
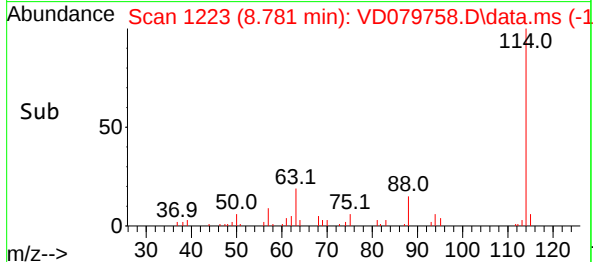
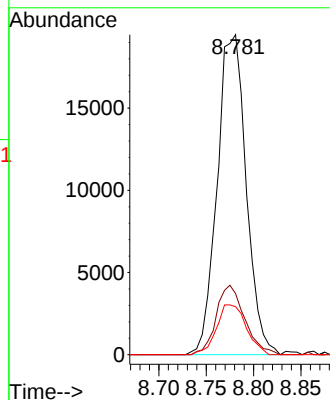
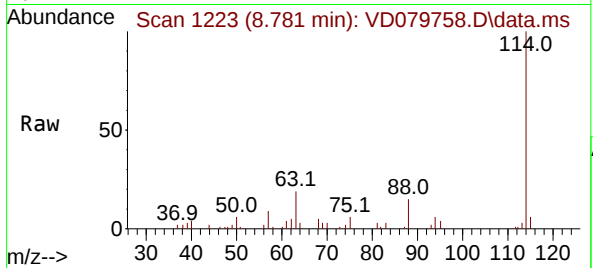




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.781 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD079758.D  
Acq: 30 Aug 2024 16:41

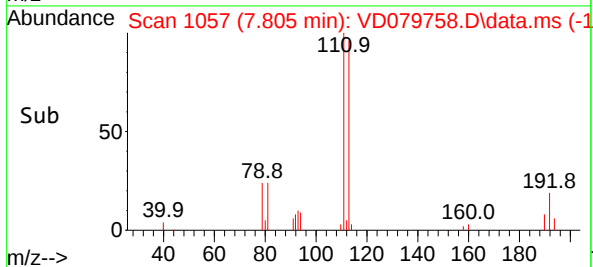
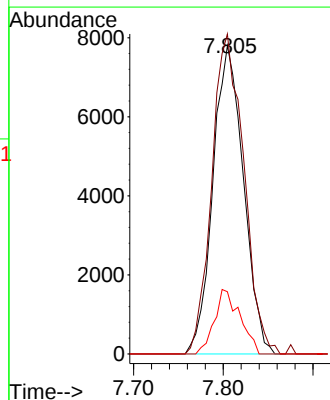
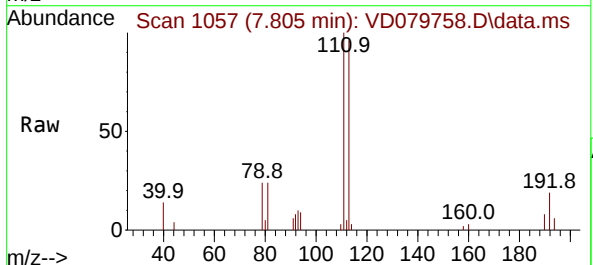
Instrument :  
MSVOA\_D  
ClientSampleId :  
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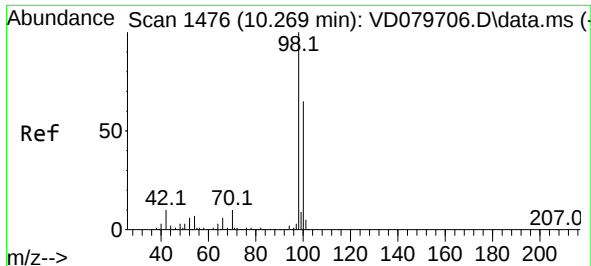
Tgt Ion:114 Resp: 41499  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 34.0  
88 15.0 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 68.314 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD079758.D  
Acq: 30 Aug 2024 16:41

Tgt Ion:113 Resp: 18427  
Ion Ratio Lower Upper  
113 100  
111 108.4 84.0 126.0  
192 17.6 15.4 23.0

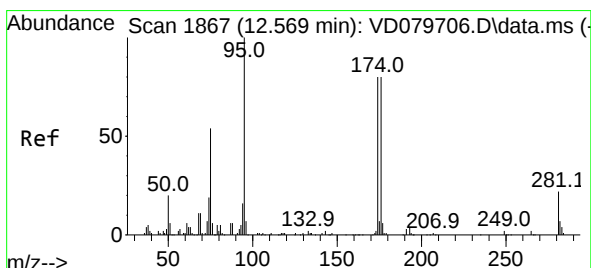
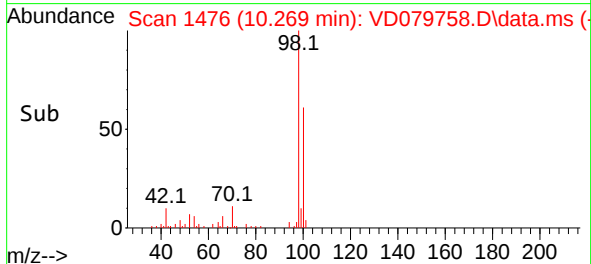
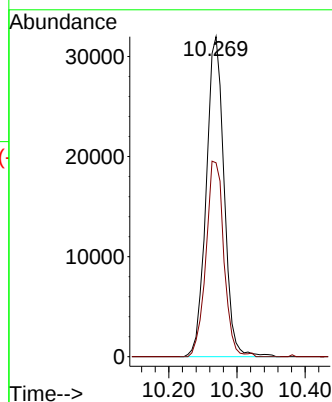
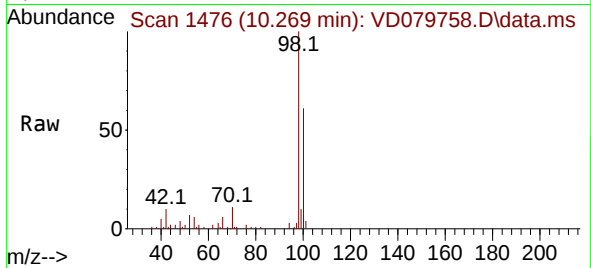




#50  
Toluene-d8  
Concen: 50.329 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD079758.D  
Acq: 30 Aug 2024 16:41

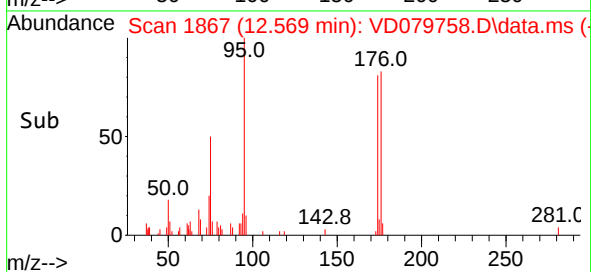
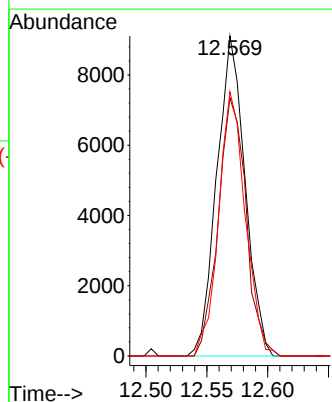
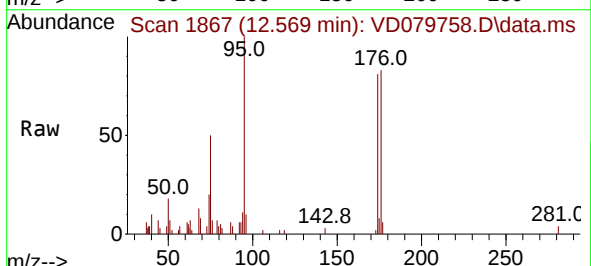
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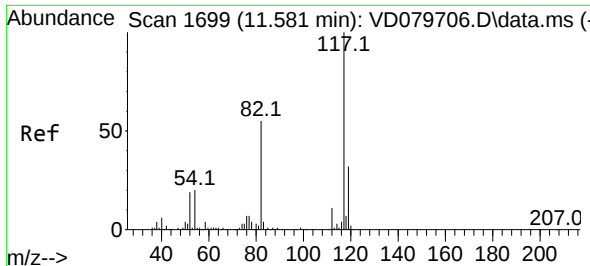
Tgt Ion: 98 Resp: 58223  
Ion Ratio Lower Upper  
98 100  
100 61.4 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 45.503 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD079758.D  
Acq: 30 Aug 2024 16:41

Tgt Ion: 95 Resp: 14729  
Ion Ratio Lower Upper  
95 100  
174 79.3 0.0 195.4  
176 78.0 0.0 192.6

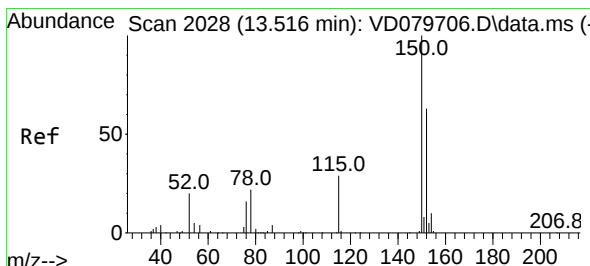
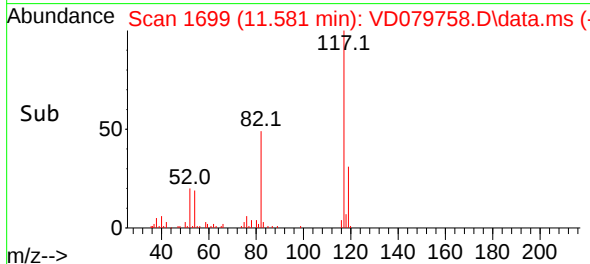
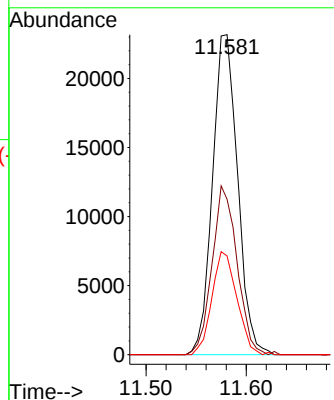
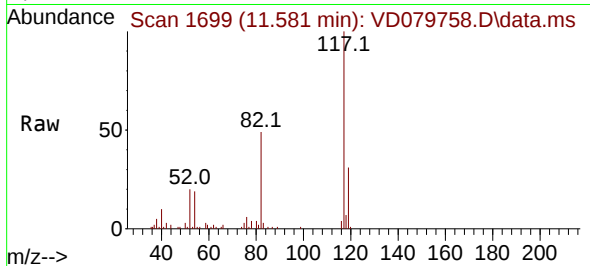




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD079758.D  
Acq: 30 Aug 2024 16:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
RT2864

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 40362 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 48.6  | 39.8  | 59.6  |
| 119      | 30.9  | 25.7  | 38.5  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD079758.D  
Acq: 30 Aug 2024 16:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 14101 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 55.4  | 26.5  | 79.5  |
| 150      | 148.5 | 0.0   | 341.6 |

