

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD073024\  
 Data File : VD079464.D  
 Acq On : 30 Jul 2024 17:43  
 Operator : RP/MD  
 Sample : P3379-15  
 Misc : 5.86G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OU4-VSL-03-072324

Quant Time: Jul 31 01:55:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:50:47 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 165342   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 297454   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.580 | 117  | 271116   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 112149   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 97654    | 58.137   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 116.280% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 116115   | 57.674   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 115.340% |
| 50) Toluene-d8              | 10.269 | 98    | 418985   | 53.590   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 107.180% |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 105594   | 46.672   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 93.340%  |

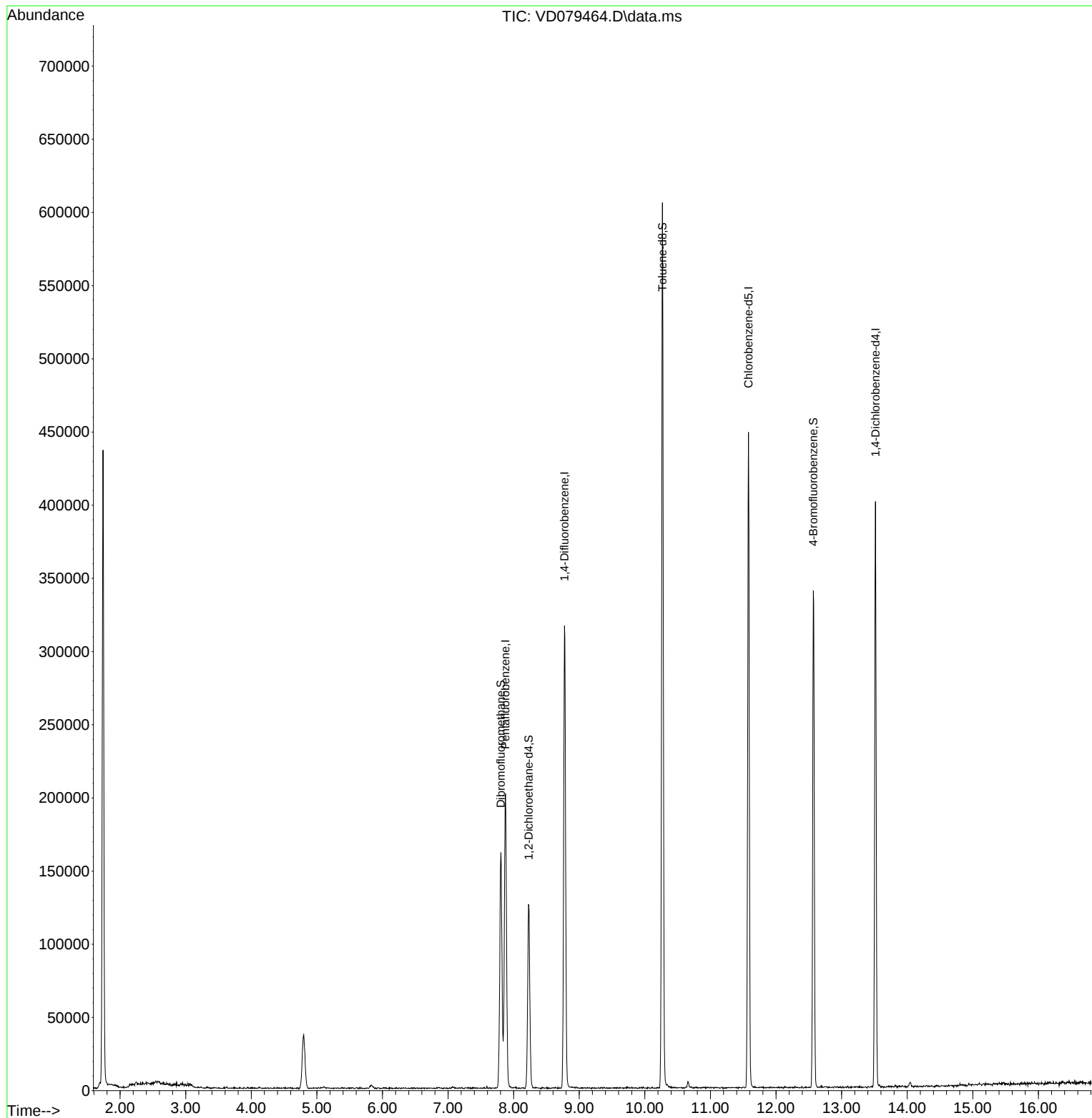
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

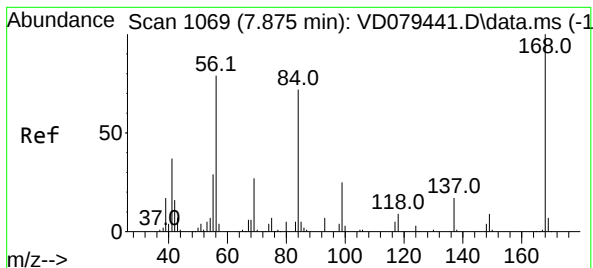
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU4-VSL-03-072324

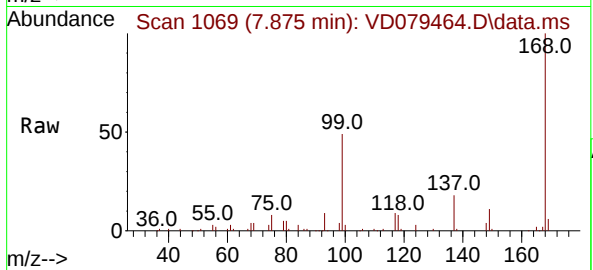
Quant Time: Jul 31 01:55:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:50:47 2024  
Response via : Initial Calibration



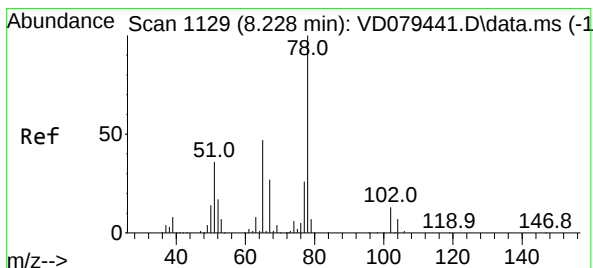
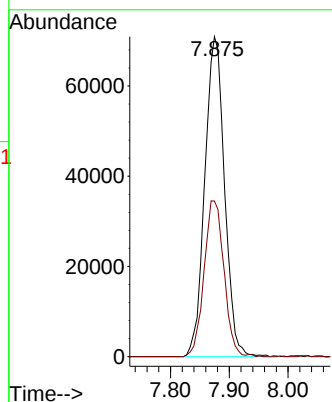
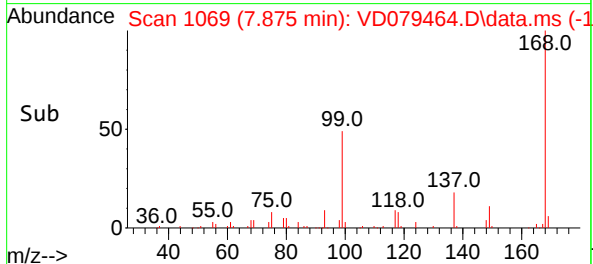


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD079464.D  
Acq: 30 Jul 2024 17:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU4-VSL-03-072324

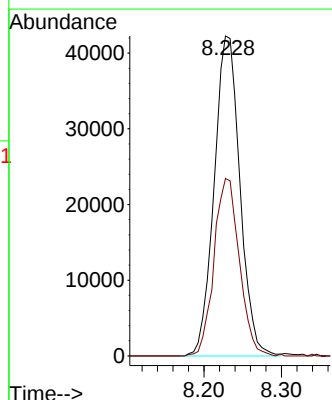
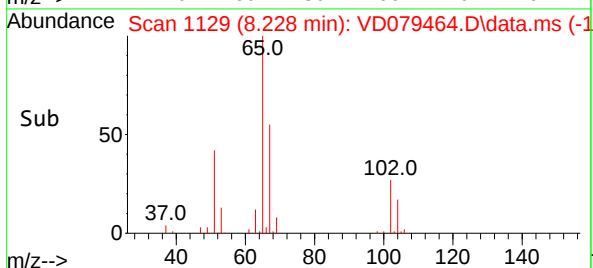
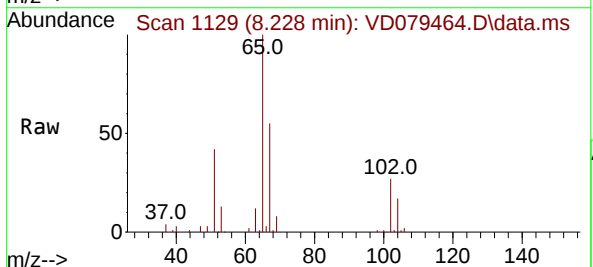


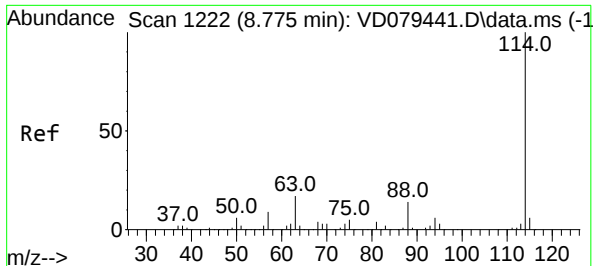
Tgt Ion:168 Resp: 165342  
Ion Ratio Lower Upper  
168 100  
99 48.7 41.1 61.7



#33  
1,2-Dichloroethane-d4  
Concen: 58.137 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD079464.D  
Acq: 30 Jul 2024 17:43

Tgt Ion: 65 Resp: 97654  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 111.0

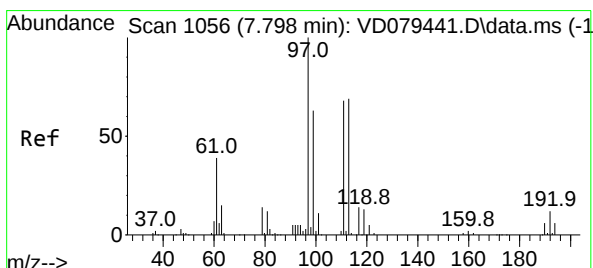
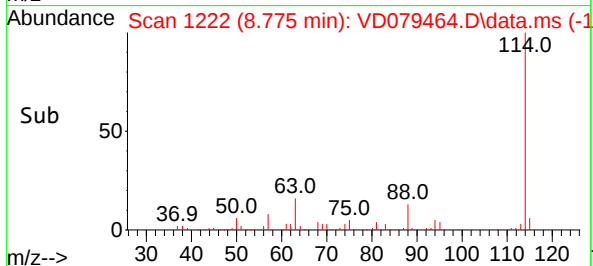
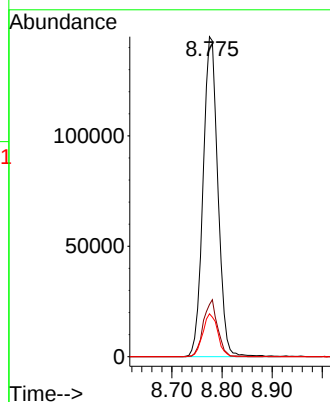
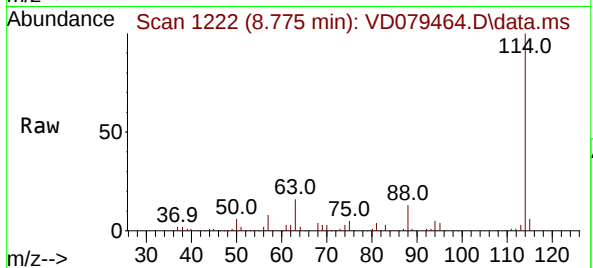




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD079464.D  
Acq: 30 Jul 2024 17:43

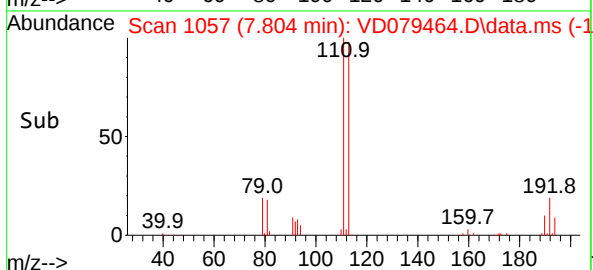
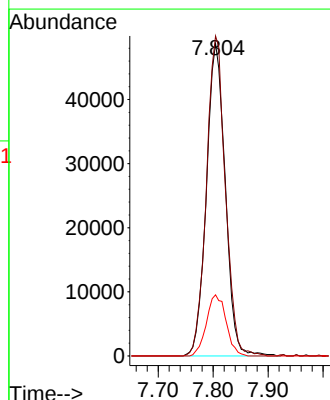
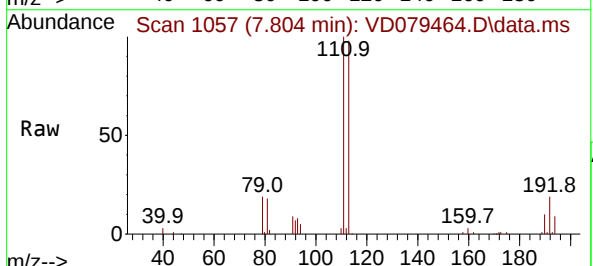
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU4-VSL-03-072324

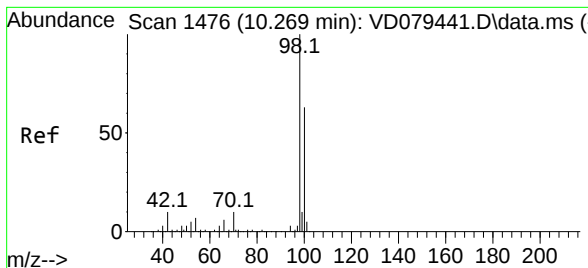
Tgt Ion:114 Resp: 297454  
Ion Ratio Lower Upper  
114 100  
63 16.3 0.0 34.0  
88 13.4 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 57.674 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD079464.D  
Acq: 30 Jul 2024 17:43

Tgt Ion:113 Resp: 116115  
Ion Ratio Lower Upper  
113 100  
111 102.7 84.0 126.0  
192 20.4 15.4 23.0

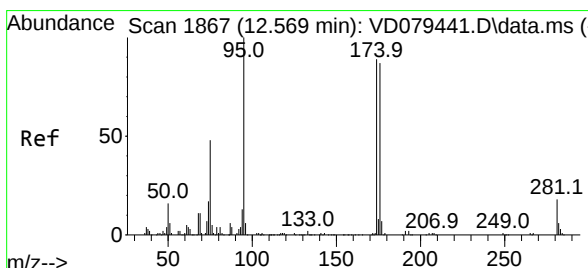
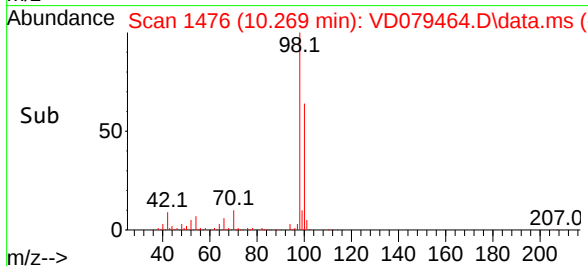
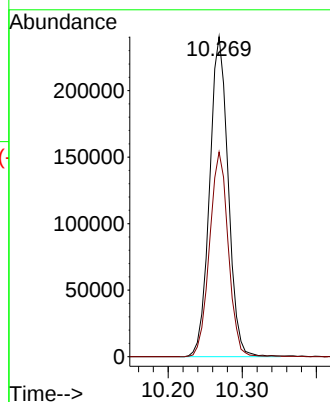
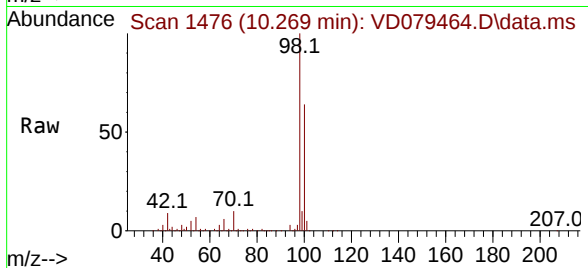




#50  
Toluene-d8  
Concen: 53.590 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VD079464.D  
Acq: 30 Jul 2024 17:43

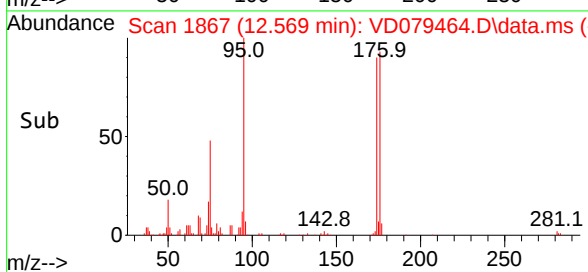
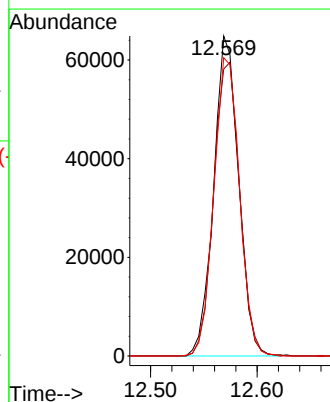
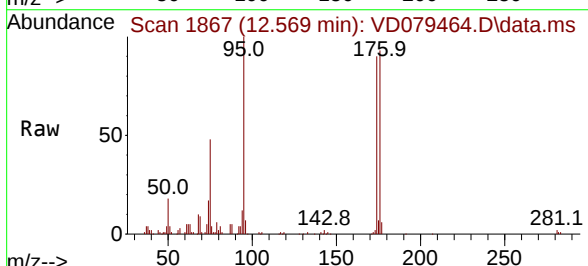
Instrument :  
MSVOA\_D  
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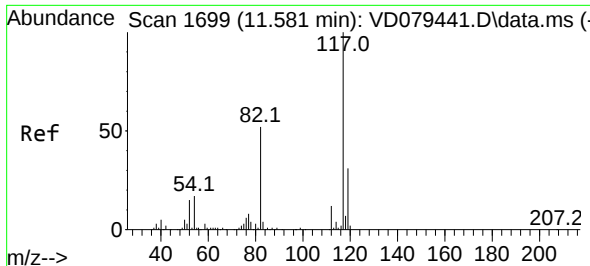
Tgt Ion: 98 Resp: 418985  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 46.672 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD079464.D  
Acq: 30 Jul 2024 17:43

Tgt Ion: 95 Resp: 105594  
Ion Ratio Lower Upper  
95 100  
174 95.8 0.0 195.4  
176 95.8 0.0 192.6

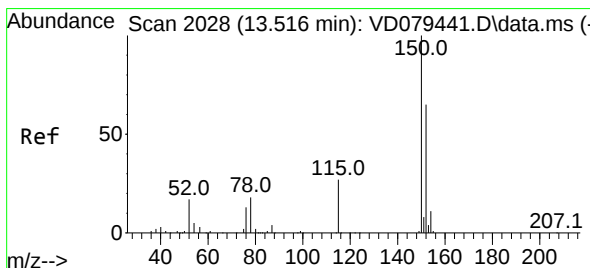
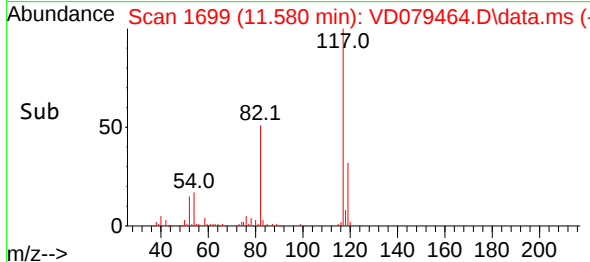
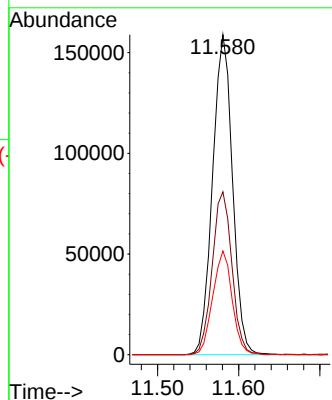
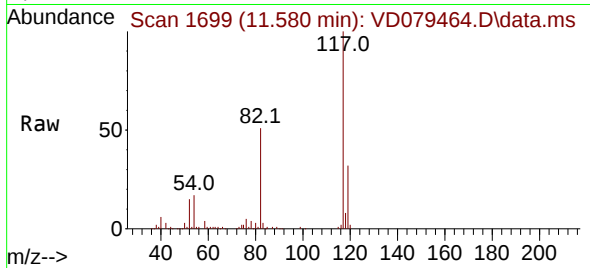




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.580 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD079464.D  
Acq: 30 Jul 2024 17:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU4-VSL-03-072324

Tgt Ion:117 Resp: 271116  
Ion Ratio Lower Upper  
117 100  
82 50.9 39.8 59.6  
119 32.4 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: VD079464.D  
Acq: 30 Jul 2024 17:43

Tgt Ion:152 Resp: 112149  
Ion Ratio Lower Upper  
152 100  
115 54.4 26.5 79.5  
150 157.5 0.0 341.6

