

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080524\  
 Data File : VD079582.D  
 Acq On : 05 Aug 2024 15:54  
 Operator : RP/MD  
 Sample : P3463-01RE  
 Misc : 5.08G/5.0ml/MSVOA\_D/SOIL/B  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TR-04-082024RE

Quant Time: Aug 05 16:03:23 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 05 15:22:51 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 184082   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 352090   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 299914   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 116587   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 106236   | 57.125   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 114.240% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 115041   | 48.661   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.320%  |
| 50) Toluene-d8              | 10.269 | 98    | 381297   | 39.945   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 79.880%  |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 94077    | 34.426   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 68.860%  |

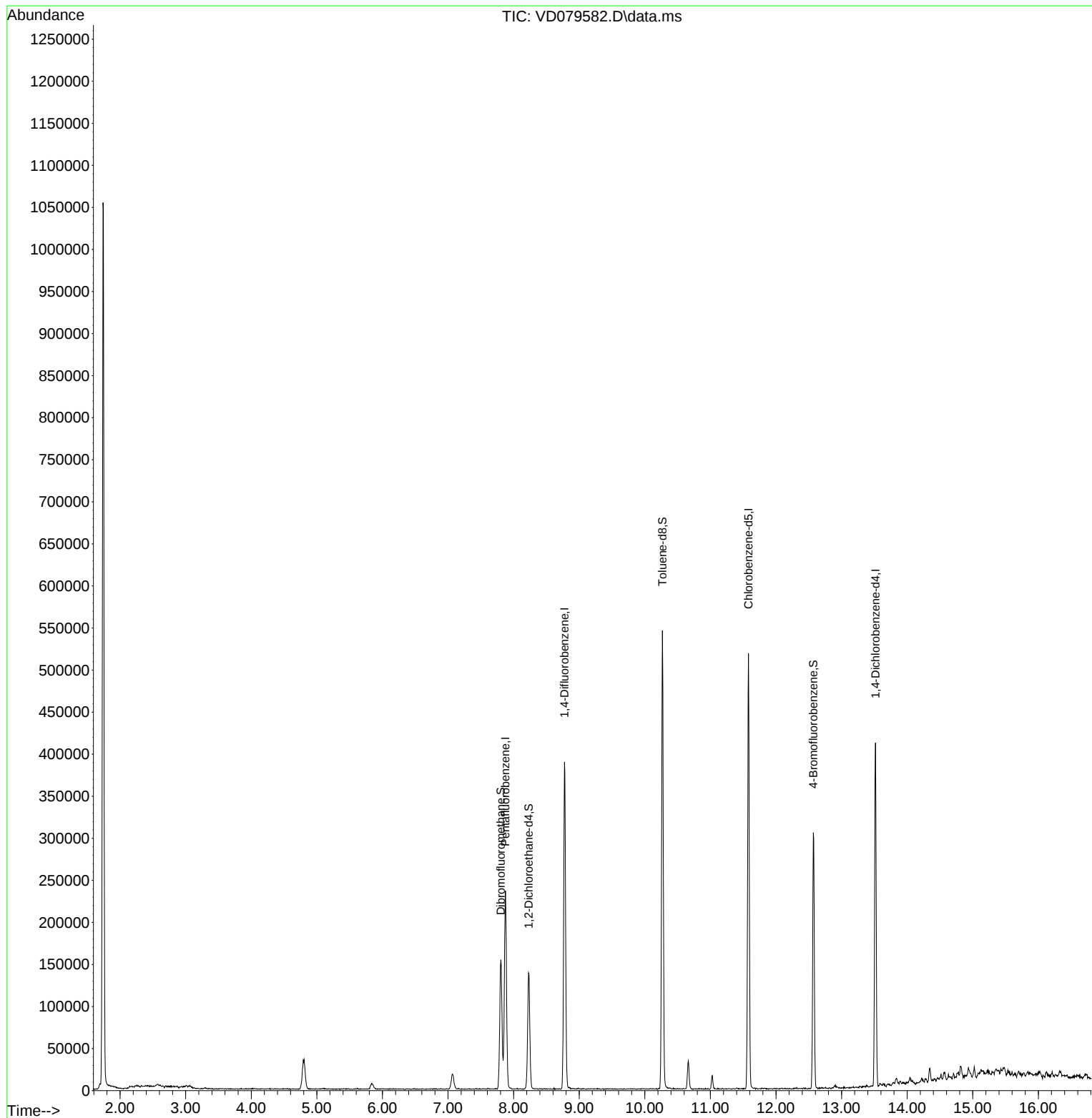
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

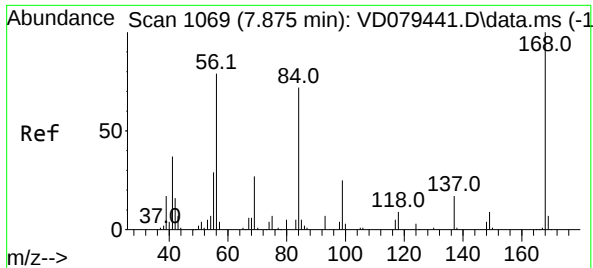
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-04-082024RE

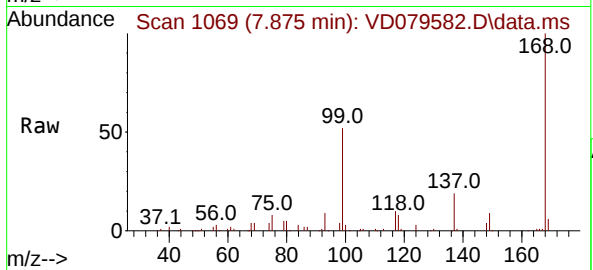
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 05 15:22:51 2024  
Response via : Initial Calibration



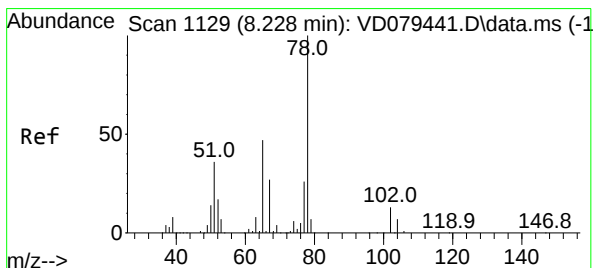
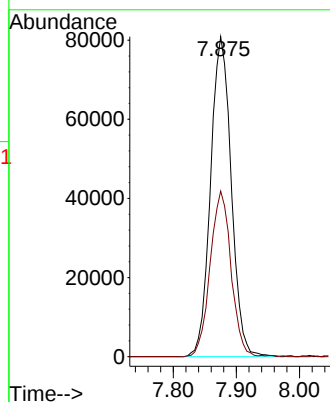
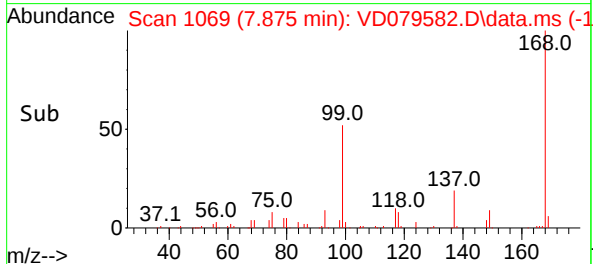


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD079582.D  
Acq: 05 Aug 2024 15:54

Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-04-082024RE

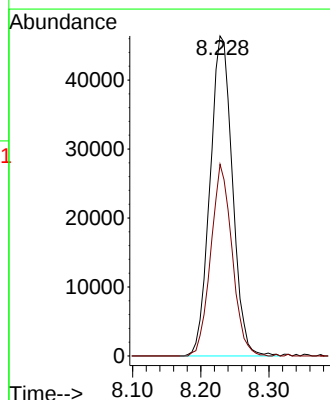
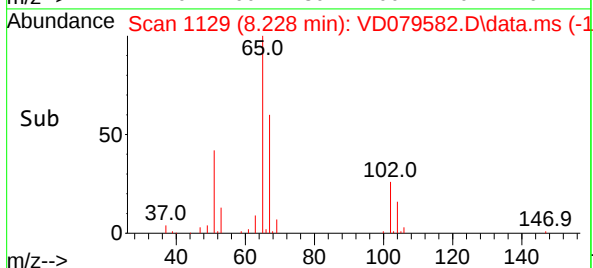
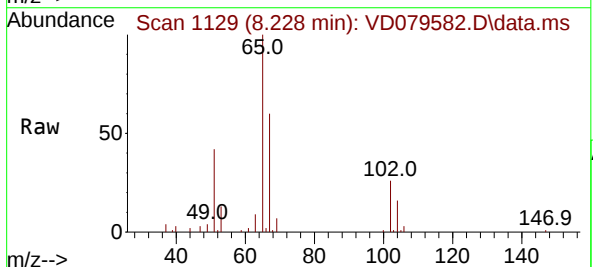


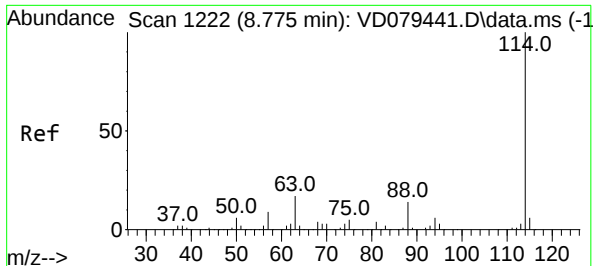
Tgt Ion:168 Resp: 184082  
Ion Ratio Lower Upper  
168 100  
99 51.7 41.1 61.7



#33  
1,2-Dichloroethane-d4  
Concen: 57.125 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD079582.D  
Acq: 05 Aug 2024 15:54

Tgt Ion: 65 Resp: 106236  
Ion Ratio Lower Upper  
65 100  
67 56.9 0.0 111.0

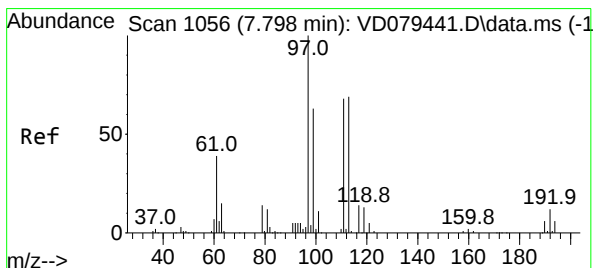
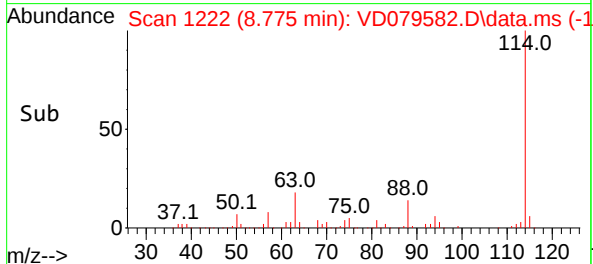
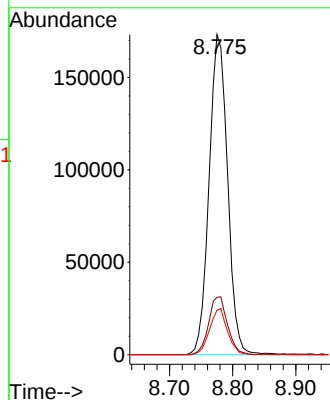
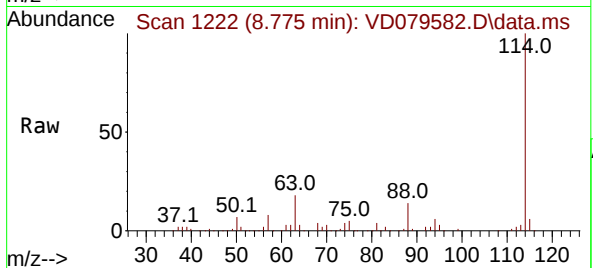




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD079582.D  
Acq: 05 Aug 2024 15:54

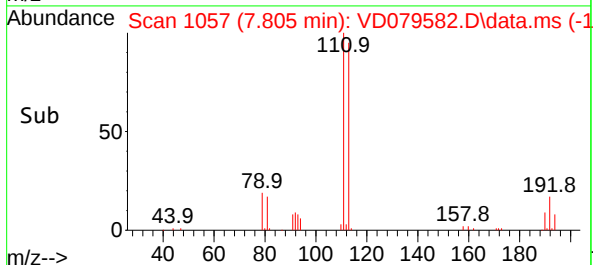
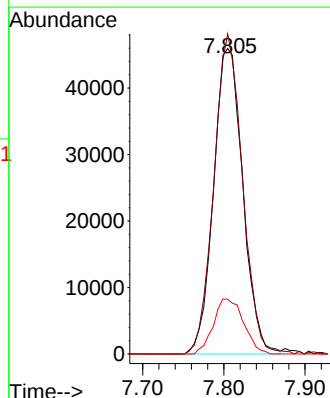
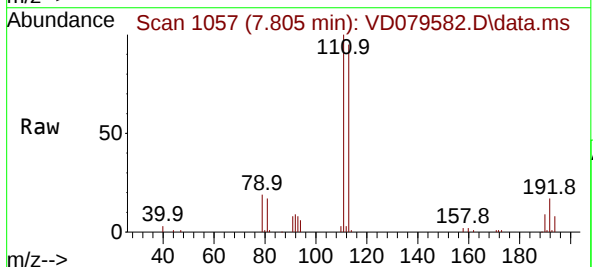
Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-04-082024RE

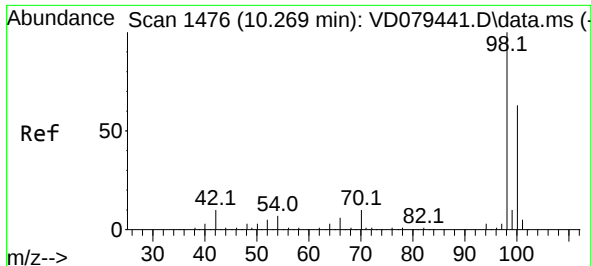
Tgt Ion:114 Resp: 352090  
Ion Ratio Lower Upper  
114 100  
63 17.9 0.0 34.0  
88 13.9 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 48.661 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VD079582.D  
Acq: 05 Aug 2024 15:54

Tgt Ion:113 Resp: 115041  
Ion Ratio Lower Upper  
113 100  
111 102.2 84.0 126.0  
192 18.6 15.4 23.0

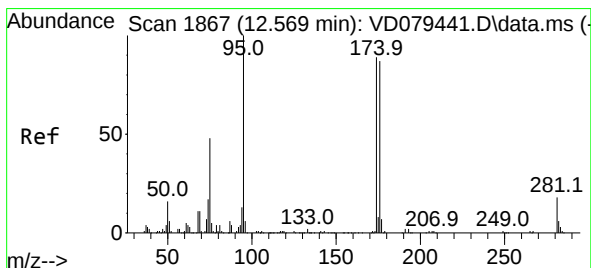
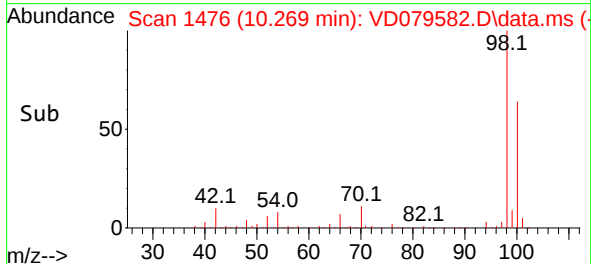
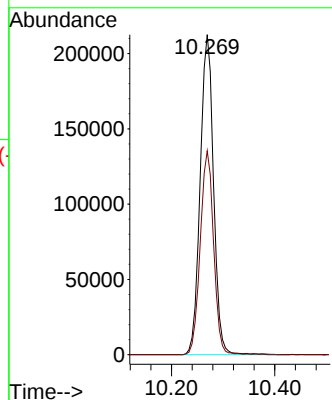
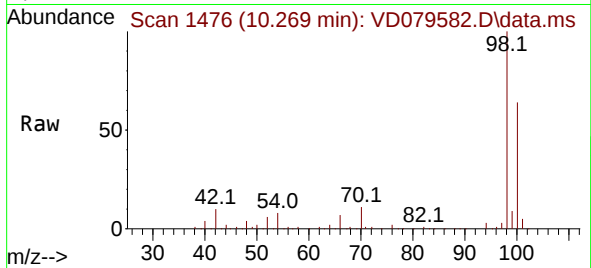




#50  
Toluene-d8  
Concen: 39.945 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VD079582.D  
Acq: 05 Aug 2024 15:54

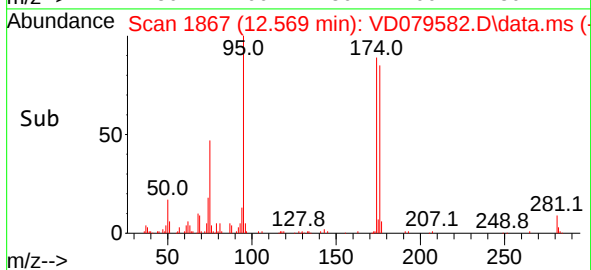
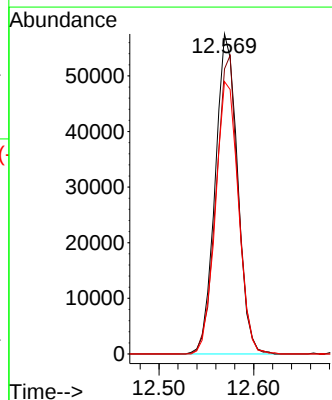
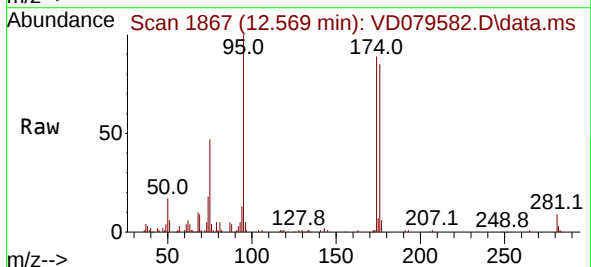
Instrument :  
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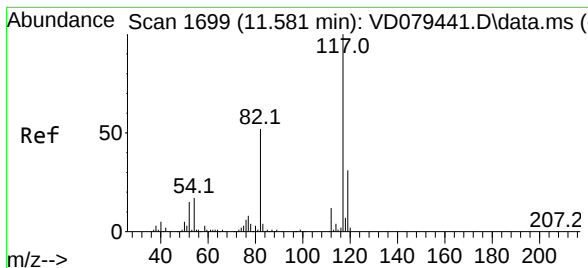
Tgt Ion: 98 Resp: 381297  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 34.426 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD079582.D  
Acq: 05 Aug 2024 15:54

Tgt Ion: 95 Resp: 94077  
Ion Ratio Lower Upper  
95 100  
174 92.5 0.0 195.4  
176 87.3 0.0 192.6

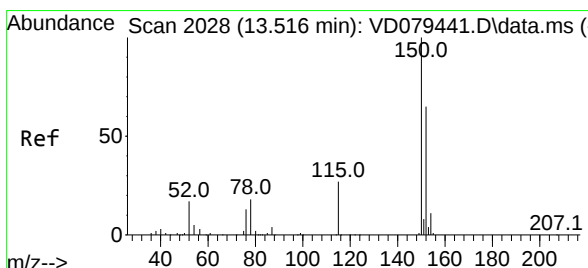
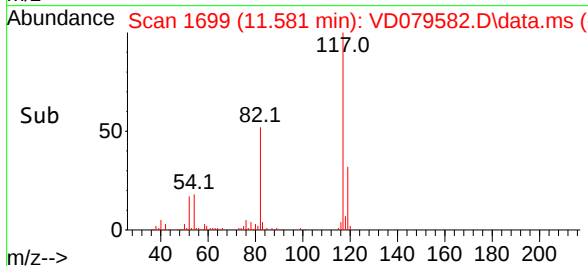
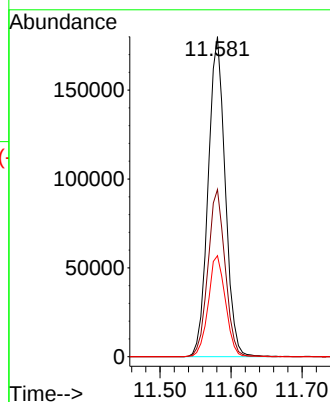
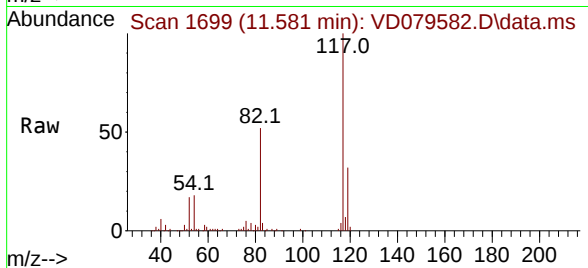




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VD079582.D  
Acq: 05 Aug 2024 15:54

Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-04-082024RE

Tgt Ion:117 Resp: 299914  
Ion Ratio Lower Upper  
117 100  
82 52.3 39.8 59.6  
119 31.6 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: VD079582.D  
Acq: 05 Aug 2024 15:54

Tgt Ion:152 Resp: 116587  
Ion Ratio Lower Upper  
152 100  
115 55.8 26.5 79.5  
150 153.8 0.0 341.6

