

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072224\  
 Data File : VD079392.D  
 Acq On : 22 Jul 2024 17:01  
 Operator : RP/MD  
 Sample : VIBLK  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

Quant Time: Jul 23 10:26:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 23 10:24:07 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 151388   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 291040   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 275148   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 111906   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 98624    | 57.339   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 114.680% |
| 35) Dibromofluoromethane    | 7.798  | 113   | 105766   | 52.255   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.500% |
| 50) Toluene-d8              | 10.269 | 98    | 377335   | 49.283   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.560%  |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 107024   | 45.704   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 91.400%  |

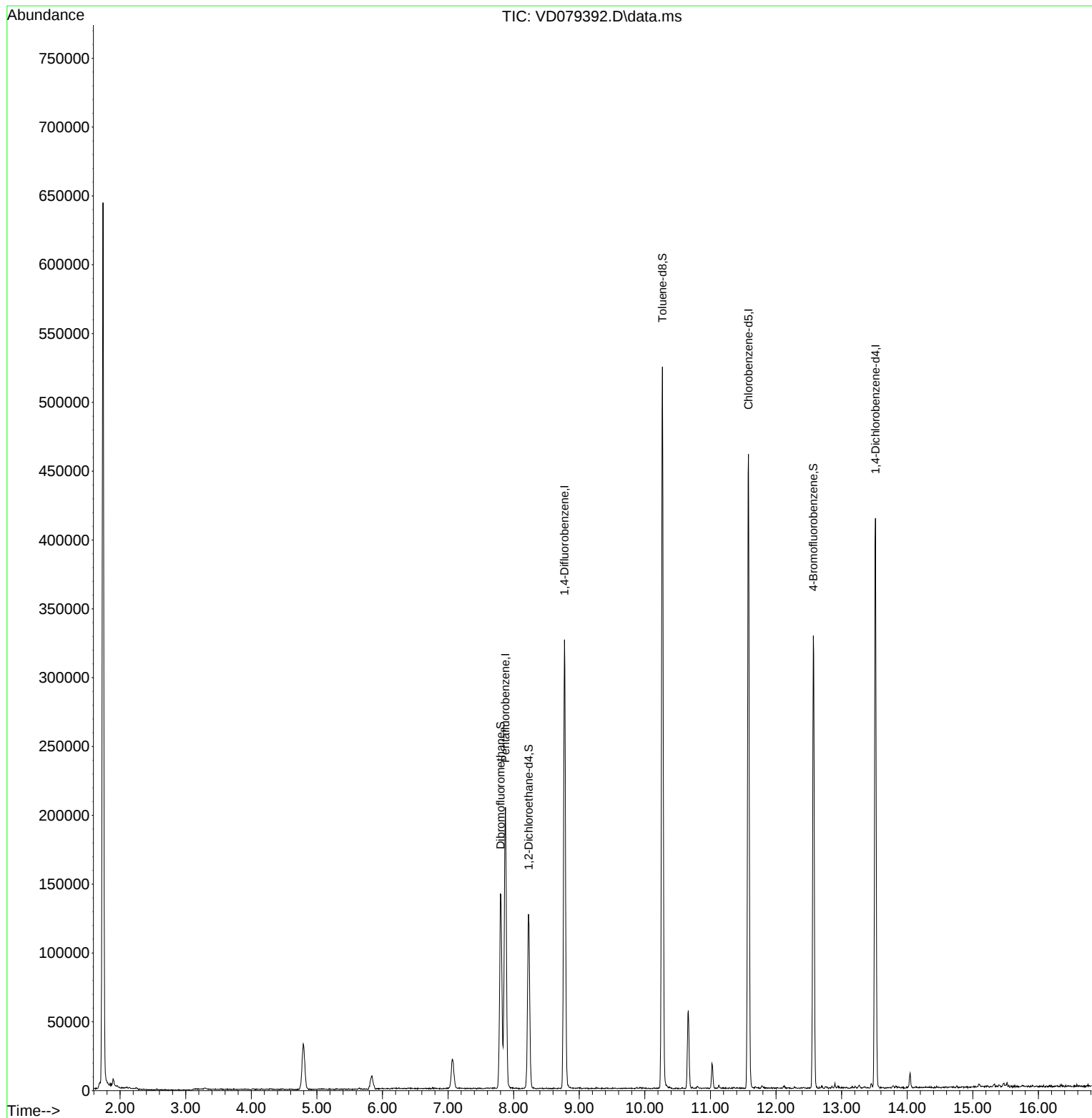
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

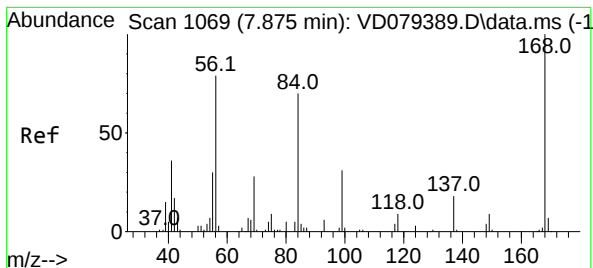
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072224\  
Data File : VD079392.D  
Acq On : 22 Jul 2024 17:01  
Operator : RP/MD  
Sample : VIBLK  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

Quant Time: Jul 23 10:26:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 23 10:24:07 2024  
Response via : Initial Calibration

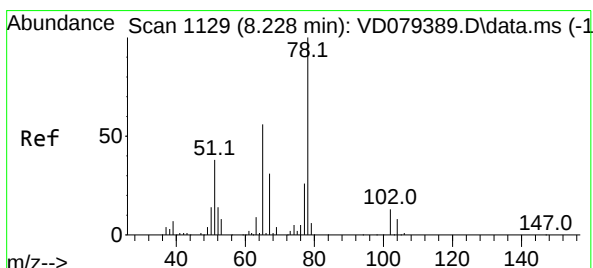
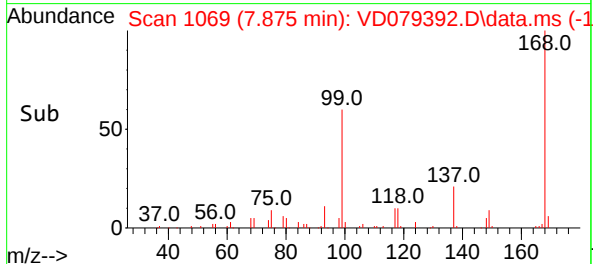
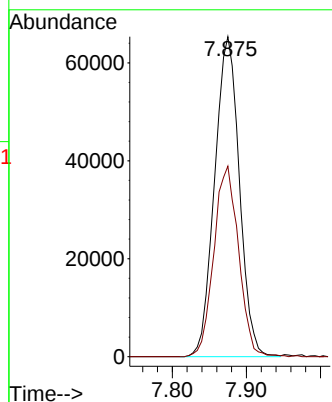
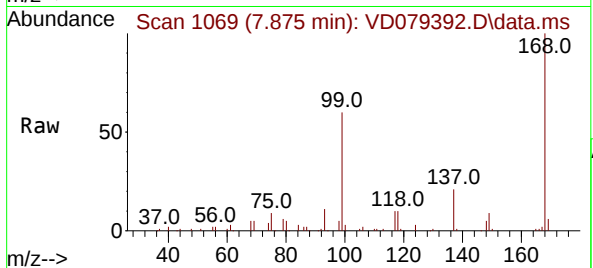




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD079392.D  
Acq: 22 Jul 2024 17:01

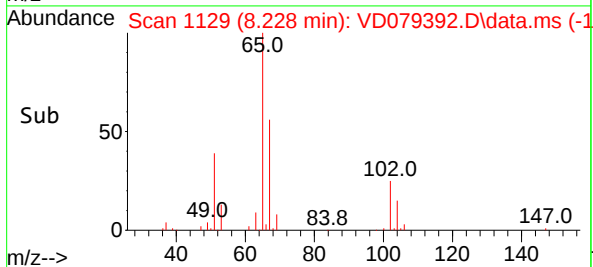
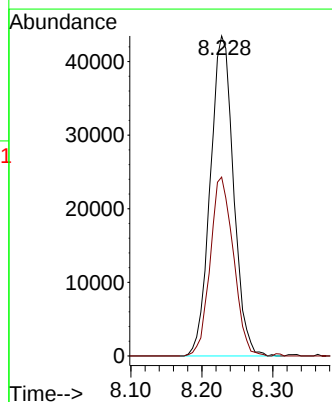
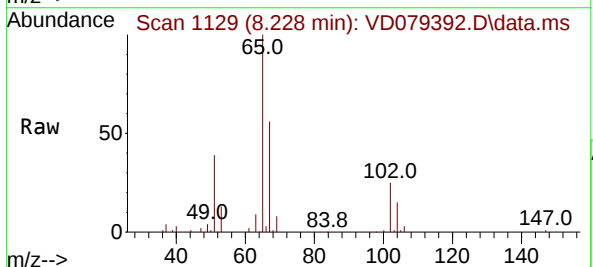
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

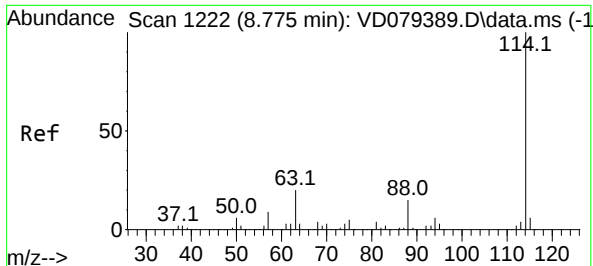
Tgt Ion:168 Resp: 151388  
Ion Ratio Lower Upper  
168 100  
99 59.5 41.1 61.7



#33  
1,2-Dichloroethane-d4  
Concen: 57.339 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD079392.D  
Acq: 22 Jul 2024 17:01

Tgt Ion: 65 Resp: 98624  
Ion Ratio Lower Upper  
65 100  
67 55.9 0.0 111.0

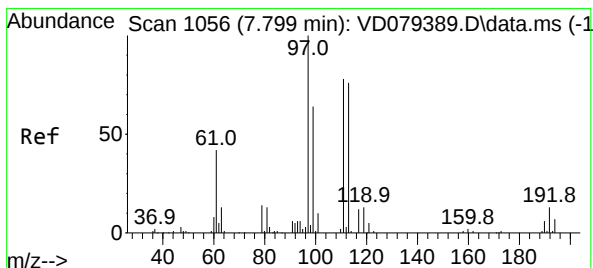
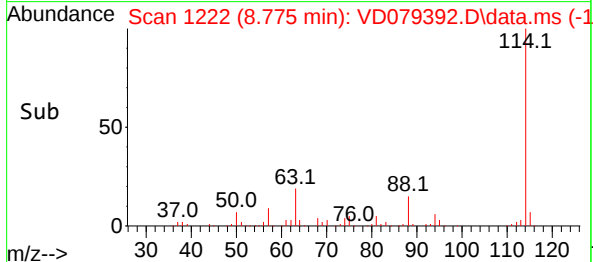
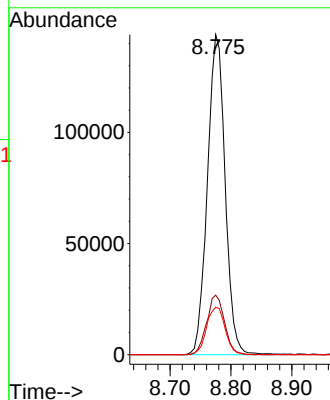
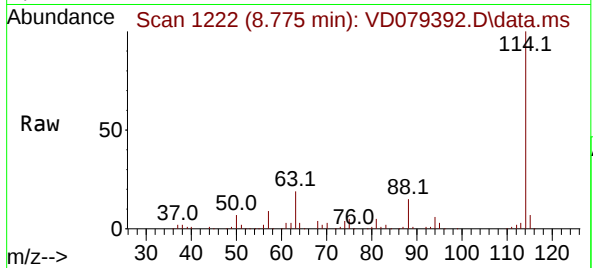




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD079392.D  
Acq: 22 Jul 2024 17:01

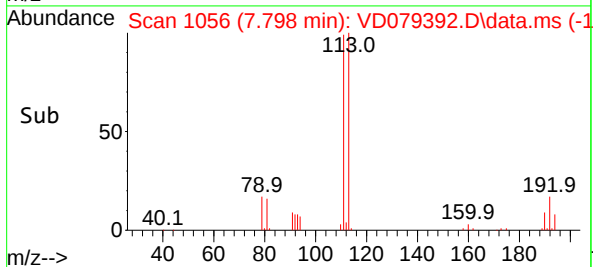
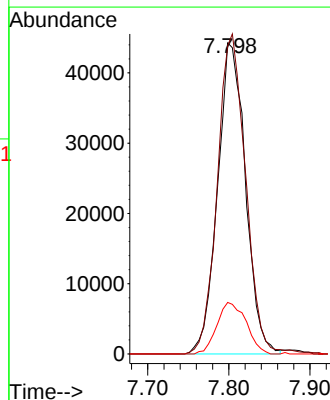
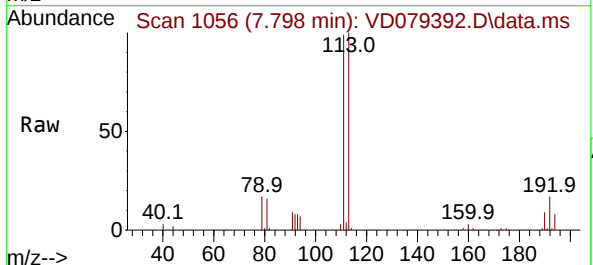
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

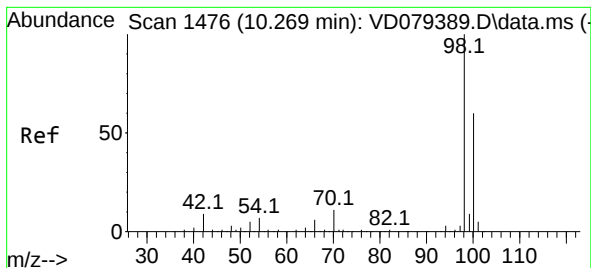
Tgt Ion:114 Resp: 291040  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 34.0  
88 14.8 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 52.255 ug/l  
RT: 7.798 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VD079392.D  
Acq: 22 Jul 2024 17:01

Tgt Ion:113 Resp: 105766  
Ion Ratio Lower Upper  
113 100  
111 104.1 84.0 126.0  
192 17.4 15.4 23.0

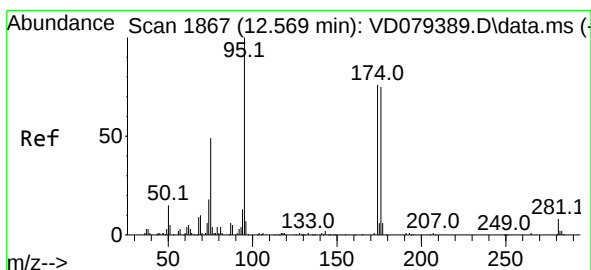
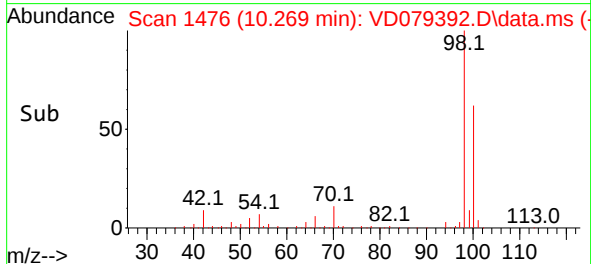
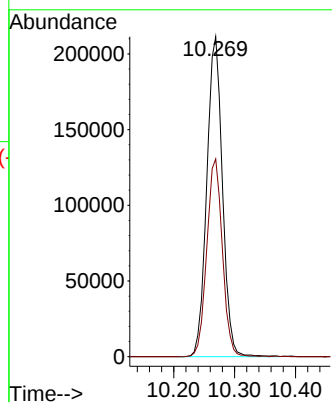
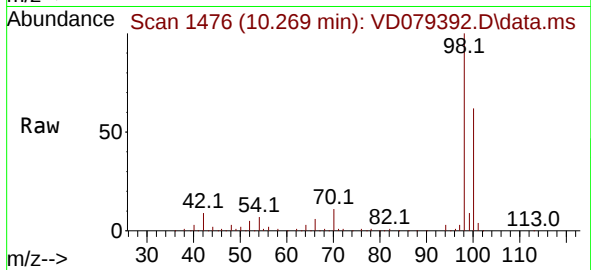




#50  
Toluene-d8  
Concen: 49.283 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD079392.D  
Acq: 22 Jul 2024 17:01

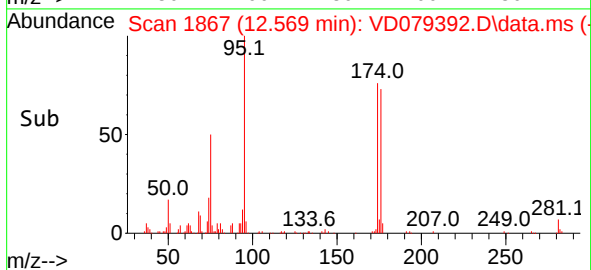
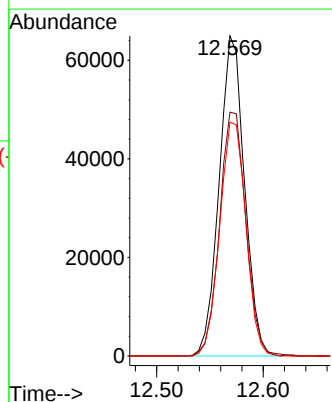
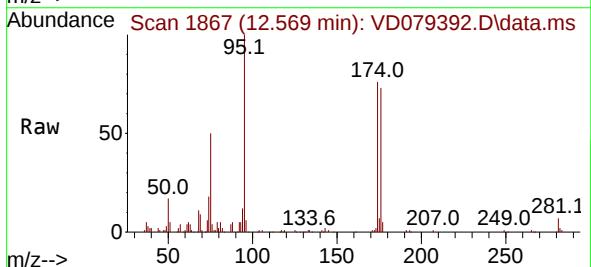
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

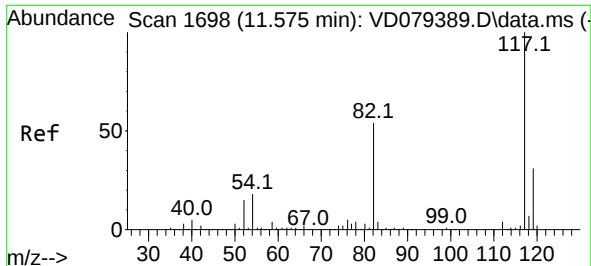
Tgt Ion: 98 Resp: 377335  
Ion Ratio Lower Upper  
98 100  
100 61.7 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 45.704 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD079392.D  
Acq: 22 Jul 2024 17:01

Tgt Ion: 95 Resp: 107024  
Ion Ratio Lower Upper  
95 100  
174 79.4 0.0 195.4  
176 75.5 0.0 192.6

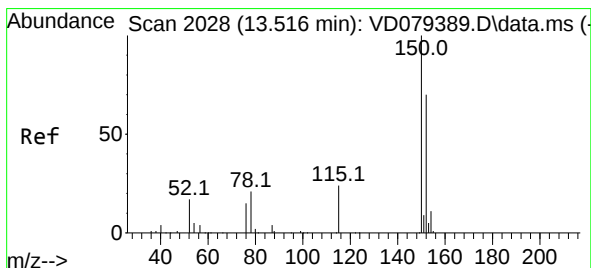
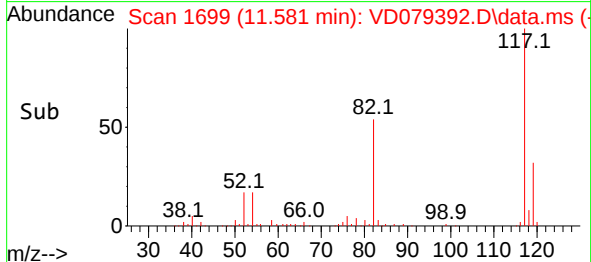
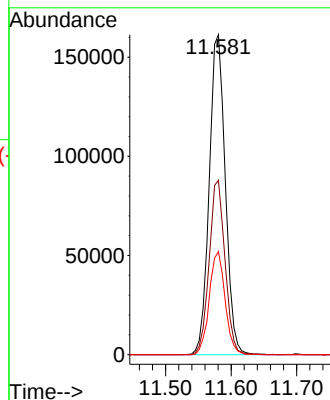
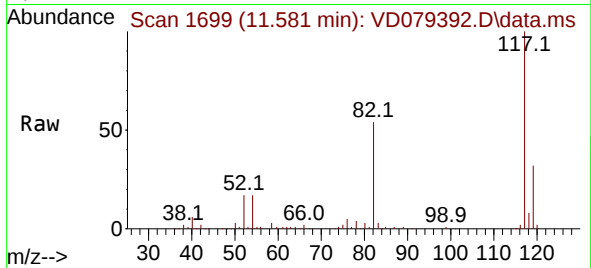




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD079392.D  
Acq: 22 Jul 2024 17:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

Tgt Ion:117 Resp: 275148  
Ion Ratio Lower Upper  
117 100  
82 54.5 39.8 59.6  
119 32.2 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: VD079392.D  
Acq: 22 Jul 2024 17:01

Tgt Ion:152 Resp: 111906  
Ion Ratio Lower Upper  
152 100  
115 60.4 26.5 79.5  
150 157.5 0.0 341.6

