

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082523\  
 Data File : VN079053.D  
 Acq On : 25 Aug 2023 16:32  
 Operator : JC\MD  
 Sample : VIBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VIBLK

Quant Time: Aug 25 23:05:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081523W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 16 02:42:02 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 243031   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 446710   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 414289   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 152005   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 184357   | 48.749   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 97.500%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 157081   | 52.238   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.480% |
| 50) Toluene-d8              | 10.571 | 98    | 535172   | 47.932   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 95.860%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 178330   | 48.864   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 97.720%  |

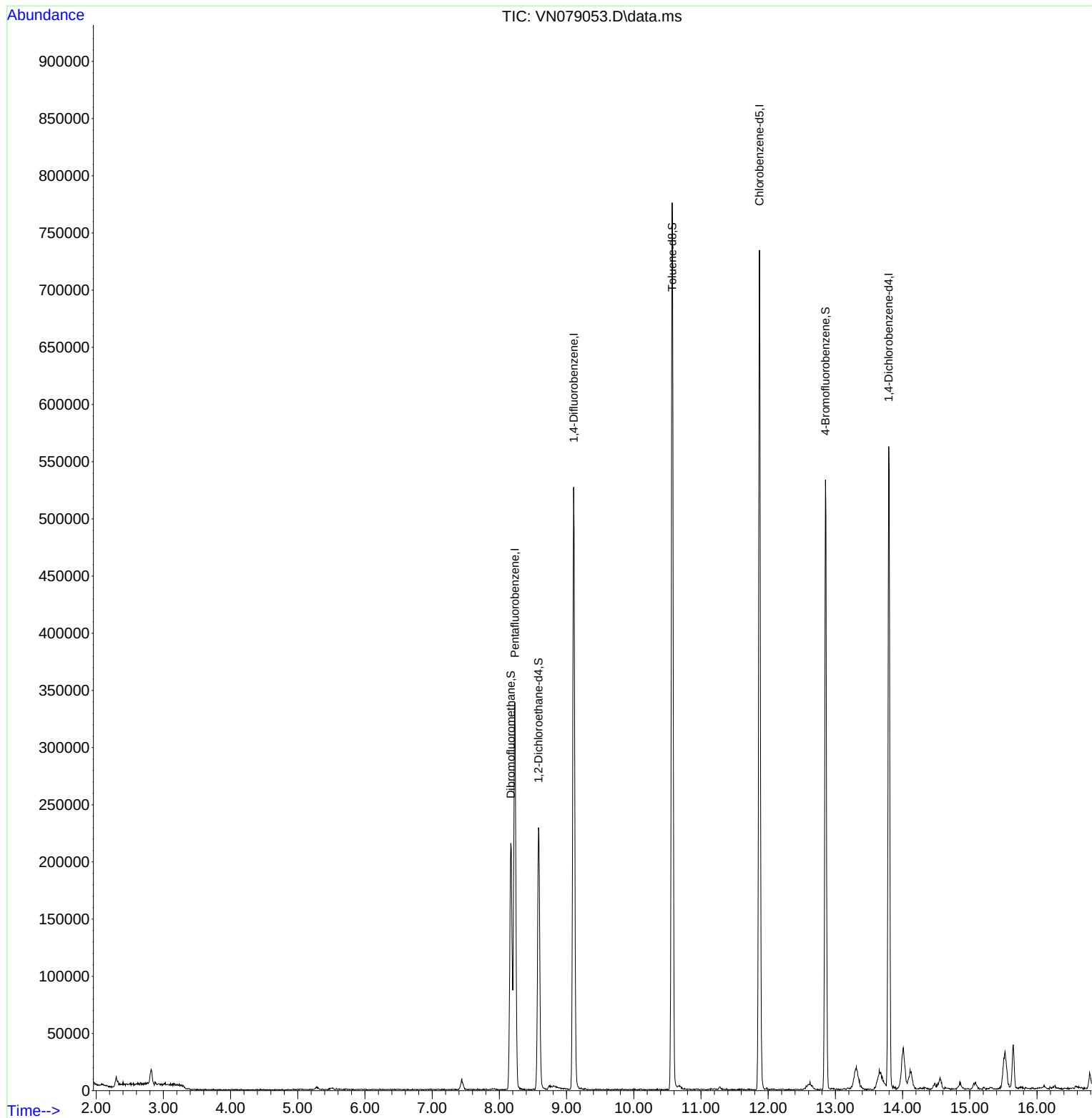
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

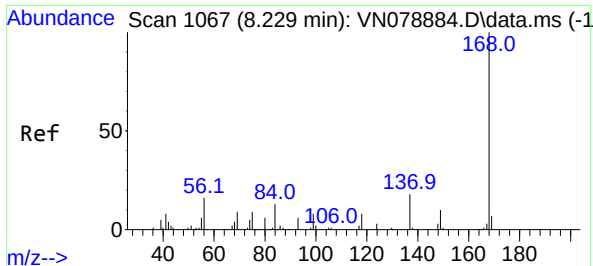
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082523\  
Data File : VN079053.D  
Acq On : 25 Aug 2023 16:32  
Operator : JC\MD  
Sample : VIBLK  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VIBLK

Quant Time: Aug 25 23:05:45 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081523W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 16 02:42:02 2023  
Response via : Initial Calibration

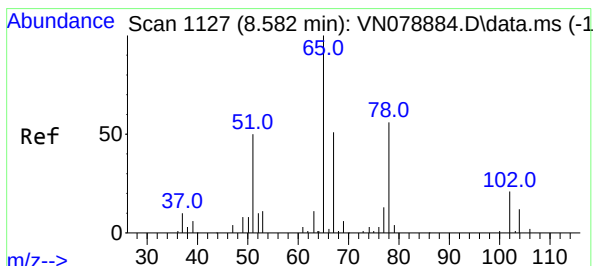
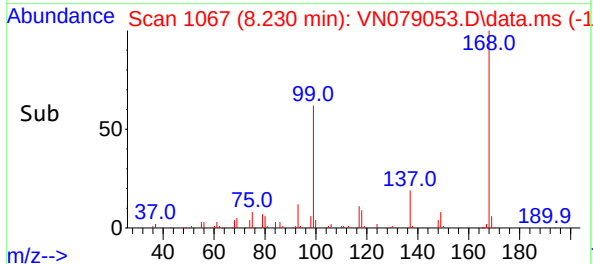
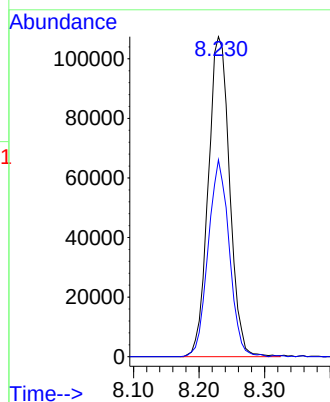
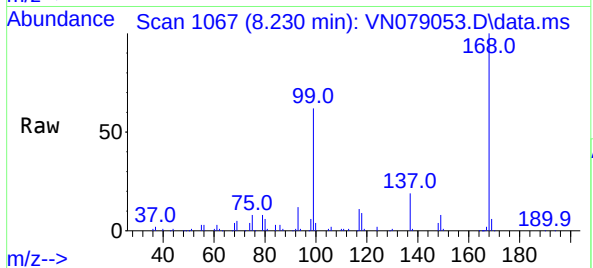




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN079053.D  
Acq: 25 Aug 2023 16:32

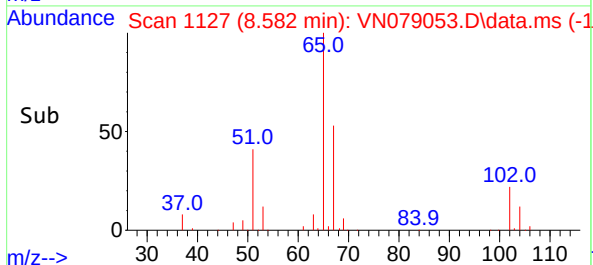
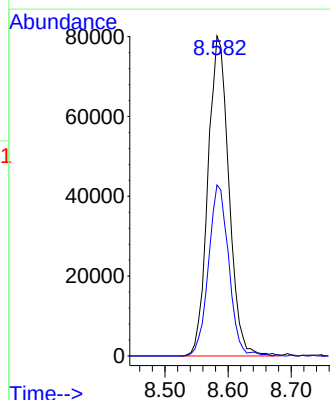
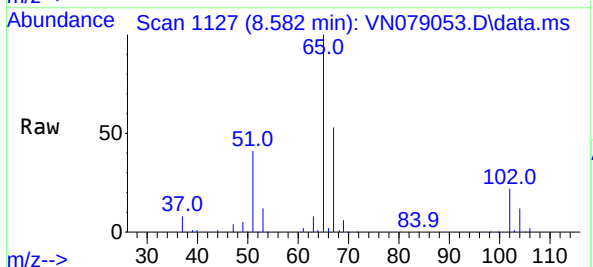
Instrument :  
MSVOA\_N  
ClientSampleId :  
VIBLK

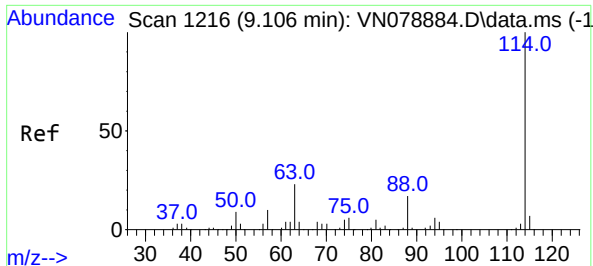
Tgt Ion:168 Resp: 243031  
Ion Ratio Lower Upper  
168 100  
99 61.5 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 48.749 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.001 min  
Lab File: VN079053.D  
Acq: 25 Aug 2023 16:32

Tgt Ion: 65 Resp: 184357  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 106.6

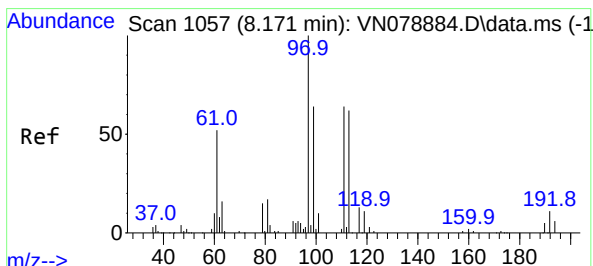
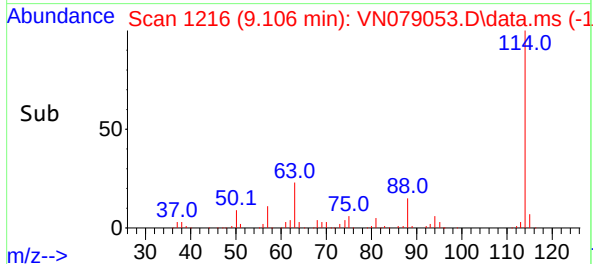
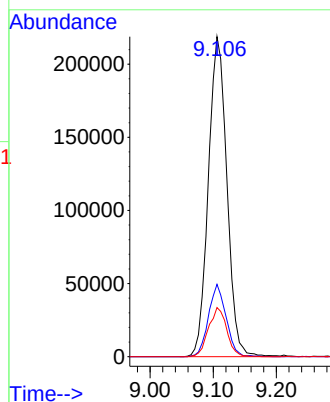
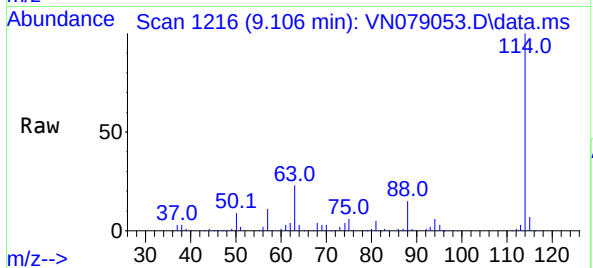




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN079053.D  
Acq: 25 Aug 2023 16:32

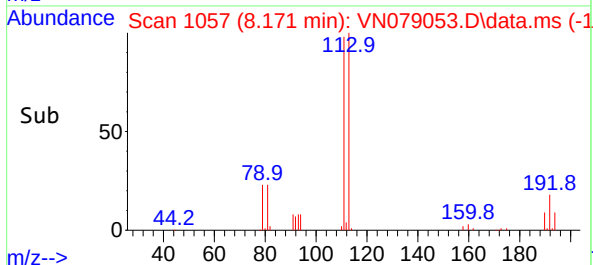
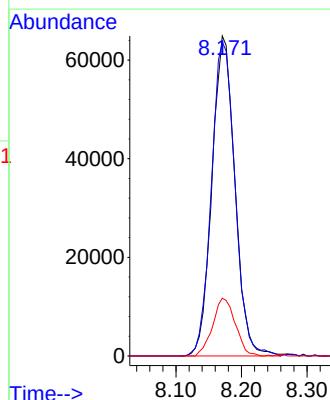
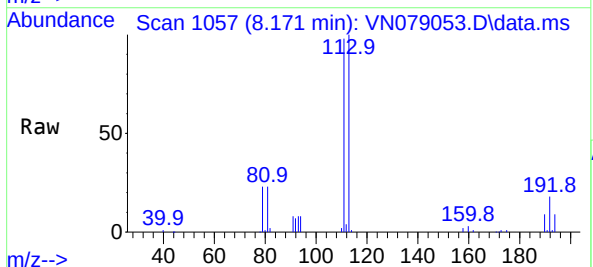
Instrument :  
MSVOA\_N  
ClientSampleId :  
VIBLK

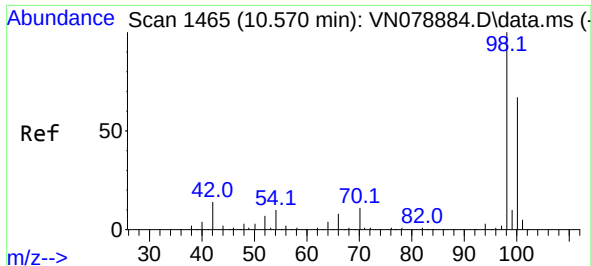
Tgt Ion:114 Resp: 446710  
Ion Ratio Lower Upper  
114 100  
63 22.6 0.0 36.4  
88 15.4 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 52.238 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VN079053.D  
Acq: 25 Aug 2023 16:32

Tgt Ion:113 Resp: 157081  
Ion Ratio Lower Upper  
113 100  
111 101.1 82.6 123.8  
192 17.9 12.7 19.1

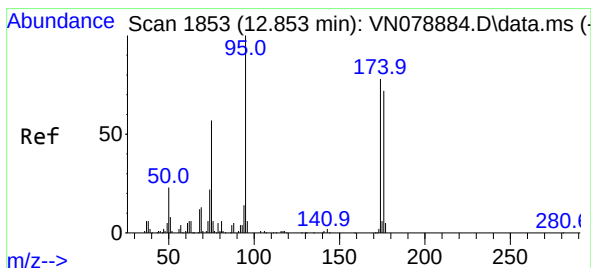
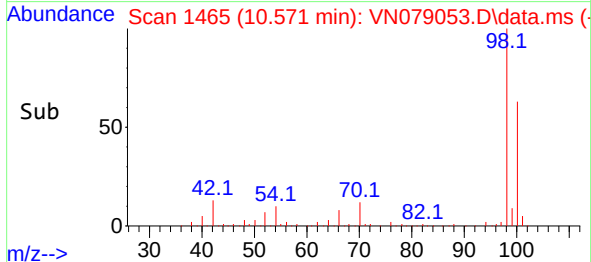
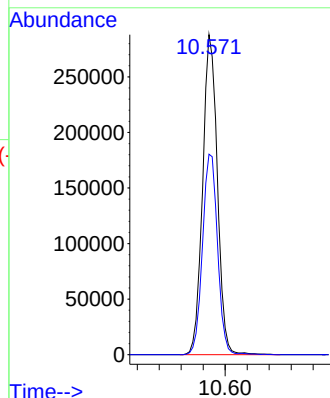
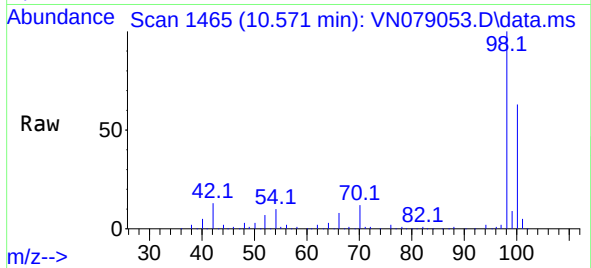




#50  
Toluene-d8  
Concen: 47.932 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079053.D  
Acq: 25 Aug 2023 16:32

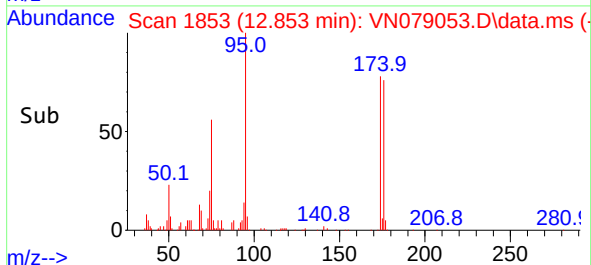
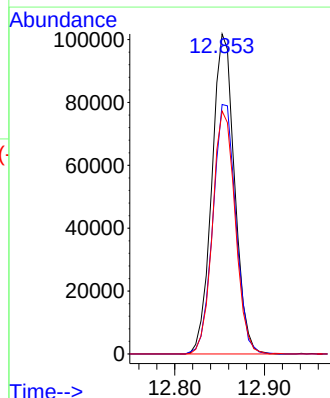
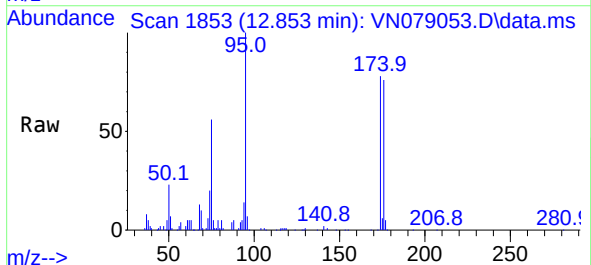
Instrument :  
MSVOA\_N  
ClientSampleId :  
VIBLK

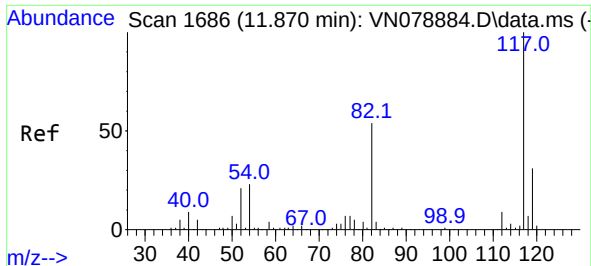
Tgt Ion: 98 Resp: 535172  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 48.864 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079053.D  
Acq: 25 Aug 2023 16:32

Tgt Ion: 95 Resp: 178330  
Ion Ratio Lower Upper  
95 100  
174 78.6 0.0 143.8  
176 75.7 0.0 135.8

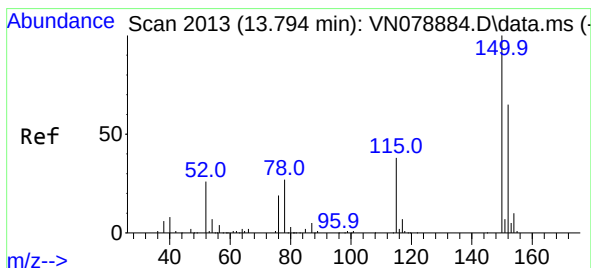
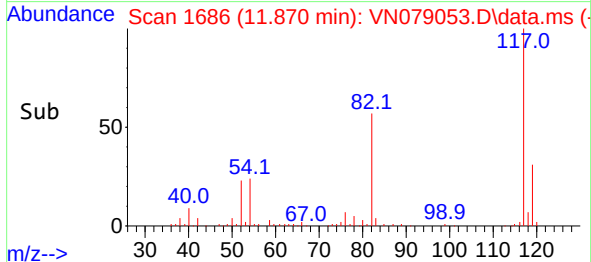
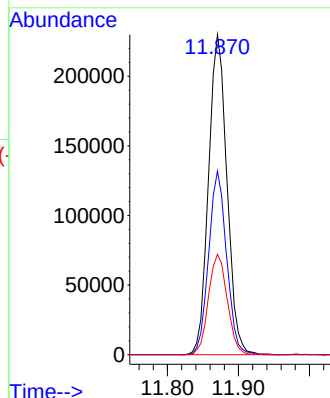
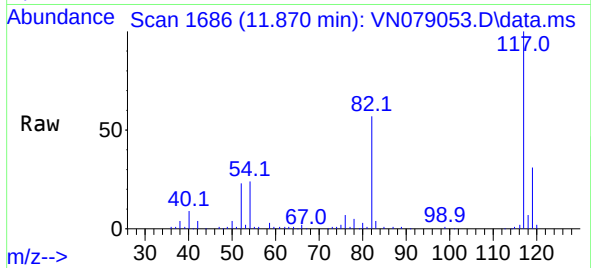




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN079053.D  
Acq: 25 Aug 2023 16:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
VIBLK

Tgt Ion:117 Resp: 414289  
Ion Ratio Lower Upper  
117 100  
82 57.4 44.0 66.0  
119 31.4 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN079053.D  
Acq: 25 Aug 2023 16:32

Tgt Ion:152 Resp: 152005  
Ion Ratio Lower Upper  
152 100  
115 59.8 32.3 96.8  
150 155.5 0.0 355.8

