

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060923\  
 Data File : VN078153.D  
 Acq On : 09 Jun 2023 18:10  
 Operator : JC\MD  
 Sample : 03119-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-4

Quant Time: Jun 09 23:13:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 07 05:05:00 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.235  | 168  | 422209   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 773602   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 667068   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 197276   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 300429   | 53.368   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 106.740% |
| 35) Dibromofluoromethane    | 8.177  | 113   | 261485   | 53.458   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 106.920% |
| 50) Toluene-d8              | 10.571 | 98    | 942980   | 50.007   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 100.020% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 270866   | 46.206   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 92.420%  |

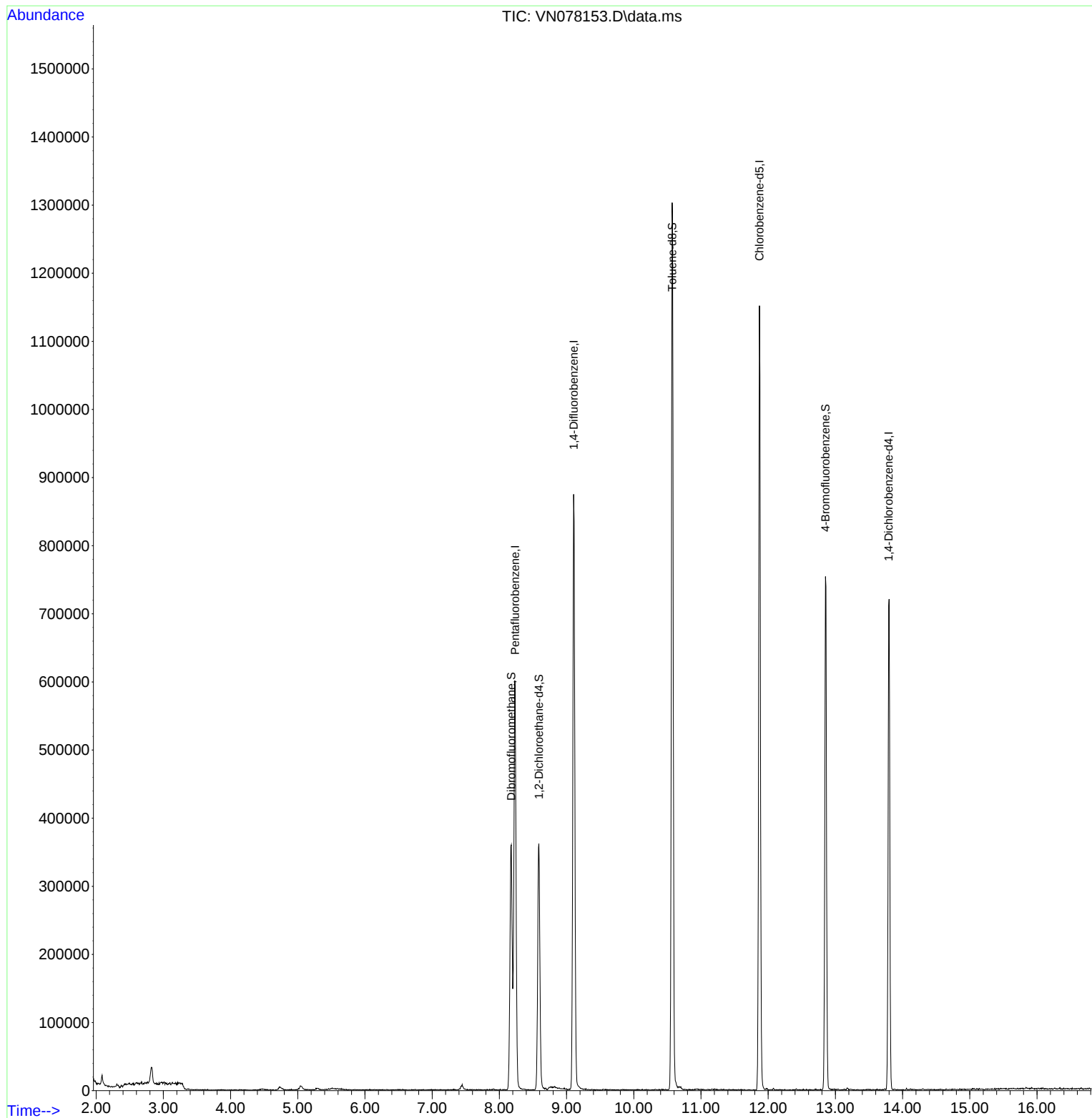
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

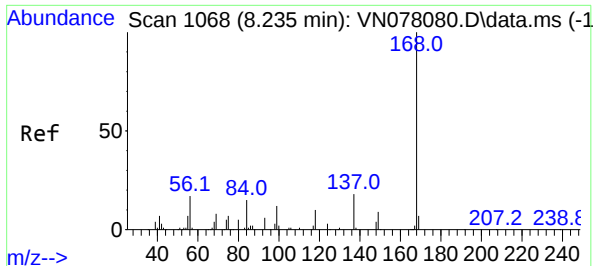
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Quant Time: Jun 09 23:13:13 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 07 05:05:00 2023  
Response via : Initial Calibration

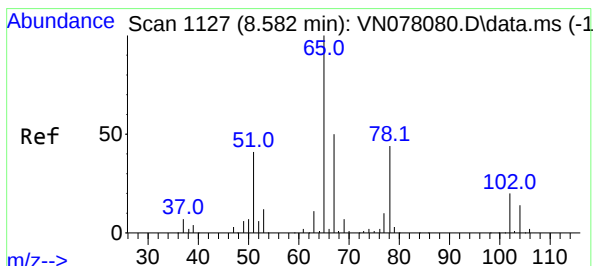
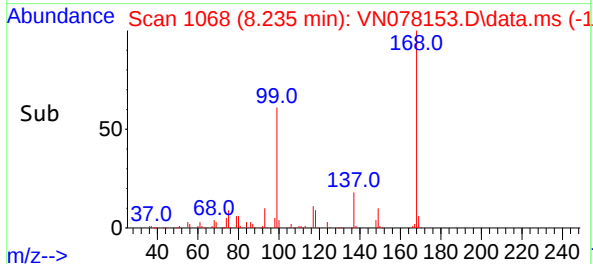
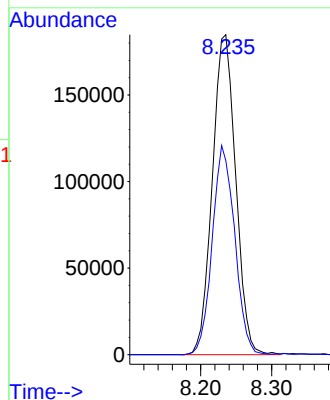
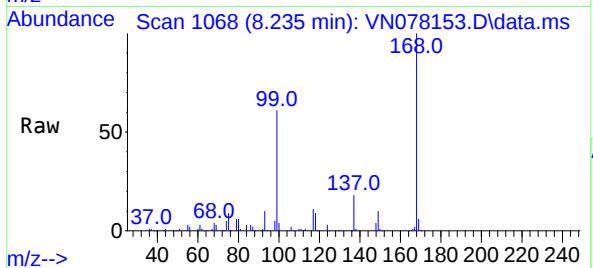




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VN078153.D  
Acq: 09 Jun 2023 18:10

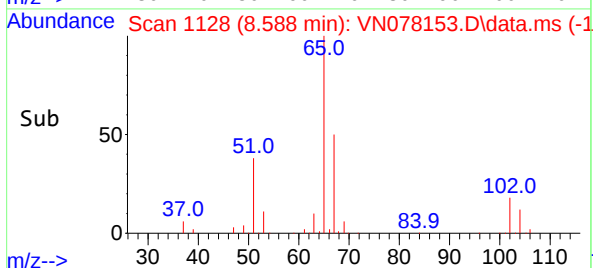
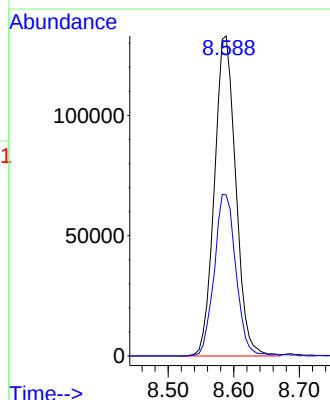
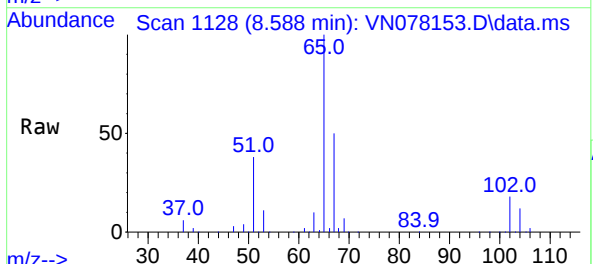
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

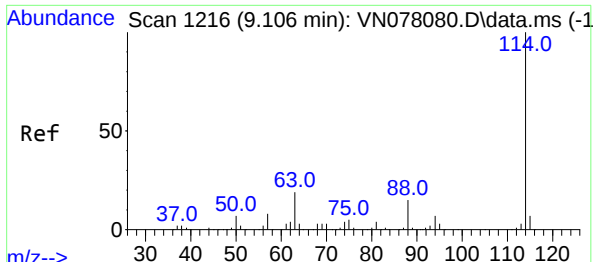
Tgt Ion:168 Resp: 422209  
Ion Ratio Lower Upper  
168 100  
99 60.6 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 53.368 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VN078153.D  
Acq: 09 Jun 2023 18:10

Tgt Ion: 65 Resp: 300429  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 106.6



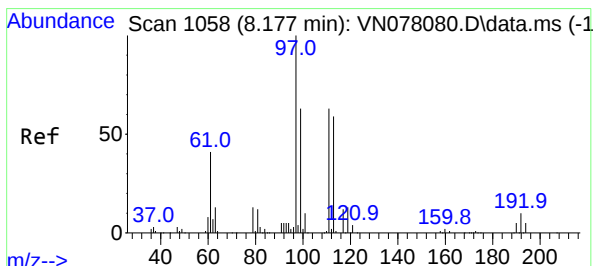
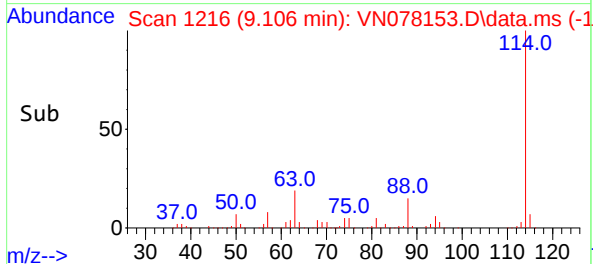
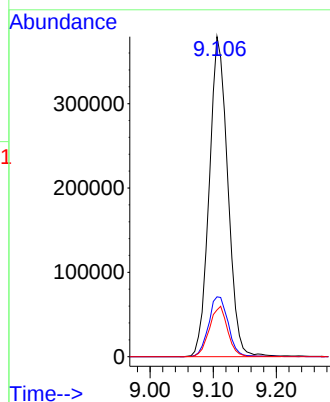
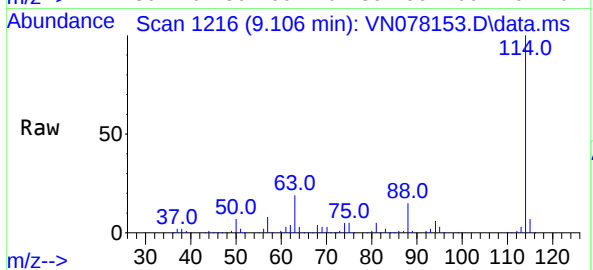


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078153.D  
Acq: 09 Jun 2023 18:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Tgt Ion:114 Resp: 773602

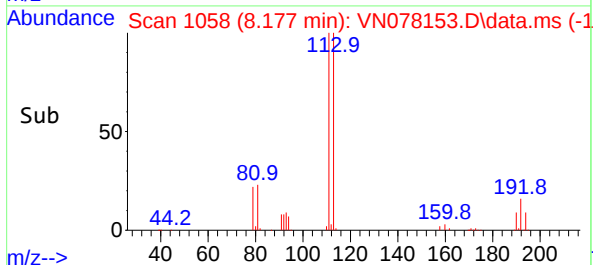
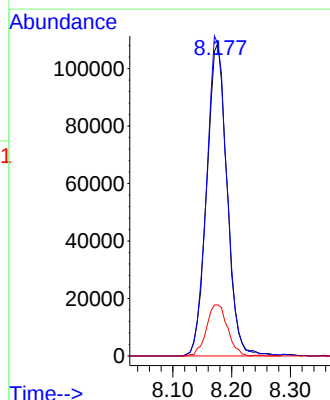
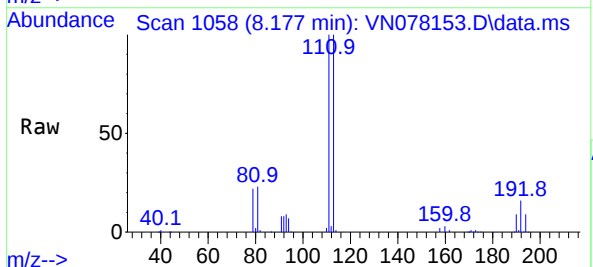
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 18.7  | 0.0   | 36.4  |
| 88  | 14.6  | 0.0   | 30.6  |

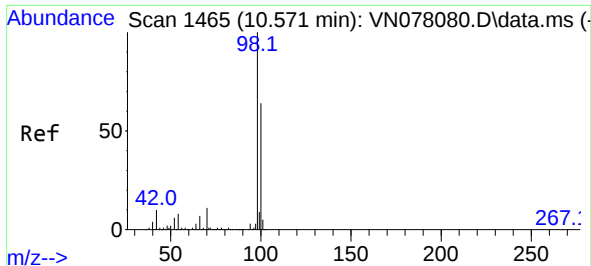


#35  
Dibromofluoromethane  
Concen: 53.458 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: VN078153.D  
Acq: 09 Jun 2023 18:10

Tgt Ion:113 Resp: 261485

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.9 | 82.6  | 123.8 |
| 192 | 17.0  | 12.7  | 19.1  |

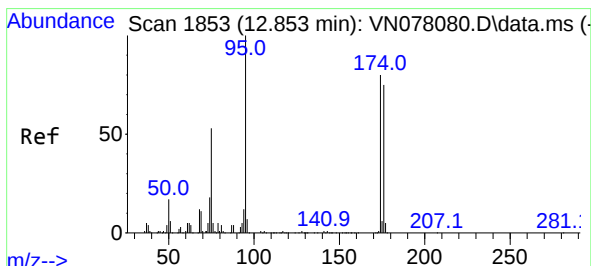
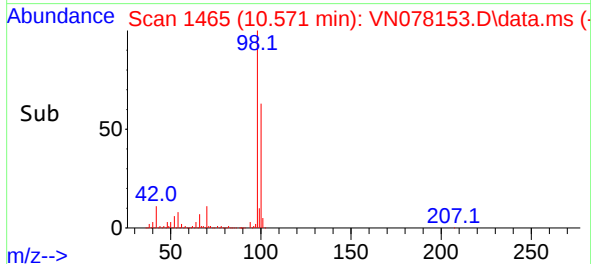
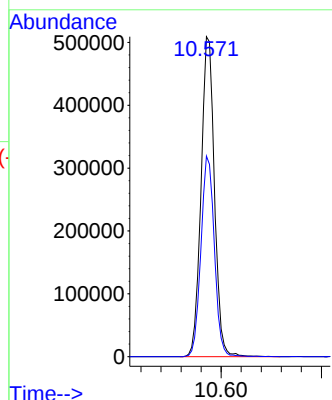
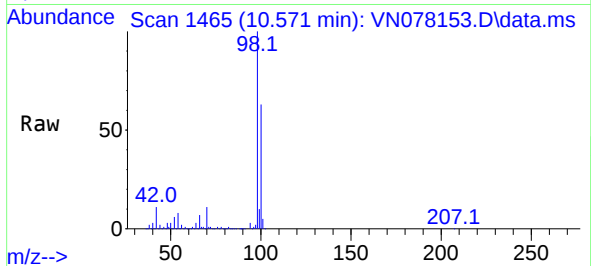




#50  
Toluene-d8  
Concen: 50.007 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN078153.D  
Acq: 09 Jun 2023 18:10

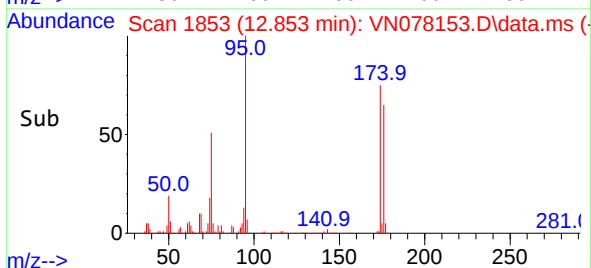
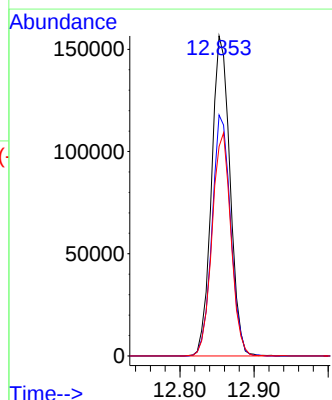
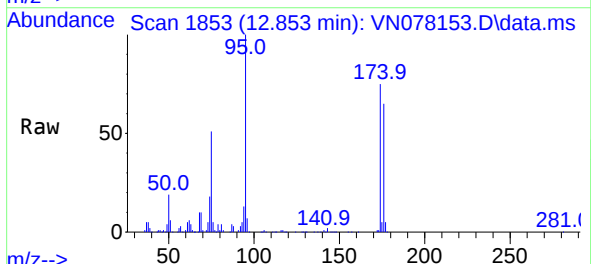
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

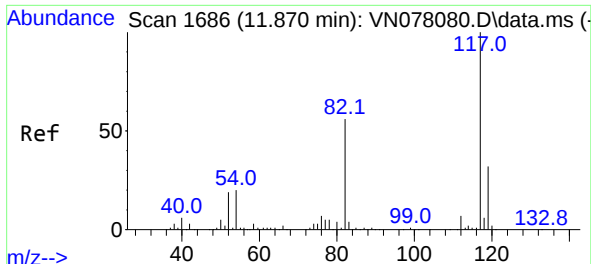
Tgt Ion: 98 Resp: 942980  
Ion Ratio Lower Upper  
98 100  
100 63.1 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 46.206 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN078153.D  
Acq: 09 Jun 2023 18:10

Tgt Ion: 95 Resp: 270866  
Ion Ratio Lower Upper  
95 100  
174 75.7 0.0 143.8  
176 70.9 0.0 135.8

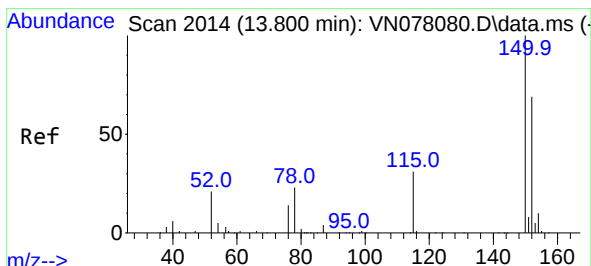
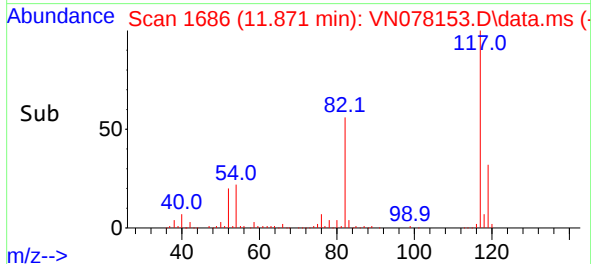
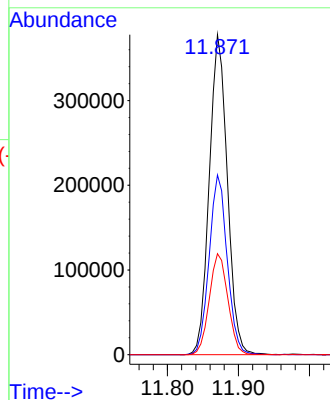
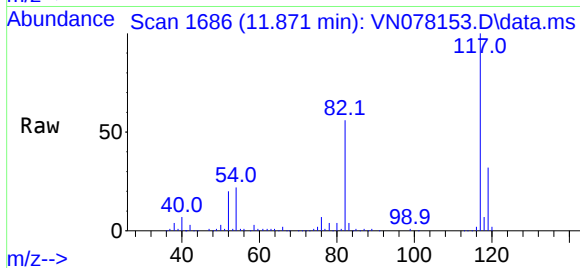




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VN078153.D  
Acq: 09 Jun 2023 18:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Tgt Ion:117 Resp: 667068  
Ion Ratio Lower Upper  
117 100  
82 56.2 44.0 66.0  
119 31.6 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.006 min  
Lab File: VN078153.D  
Acq: 09 Jun 2023 18:10

Tgt Ion:152 Resp: 197276  
Ion Ratio Lower Upper  
152 100  
115 60.9 32.3 96.8  
150 156.2 0.0 355.8

