

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082823\  
 Data File : VN079061.D  
 Acq On : 28 Aug 2023 12:34  
 Operator : JC\MD  
 Sample : VN0828WBL02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0828WBL02

Quant Time: Aug 29 04:54:27 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      | 8.229  | 168  | 228287   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 369663   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 334418   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 100780   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 166295   | 46.813   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 93.620%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 140071   | 56.290   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 112.580% |
| 50) Toluene-d8              | 10.570 | 98    | 445154   | 48.179   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 96.360%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 133167   | 44.094   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 88.180%  |

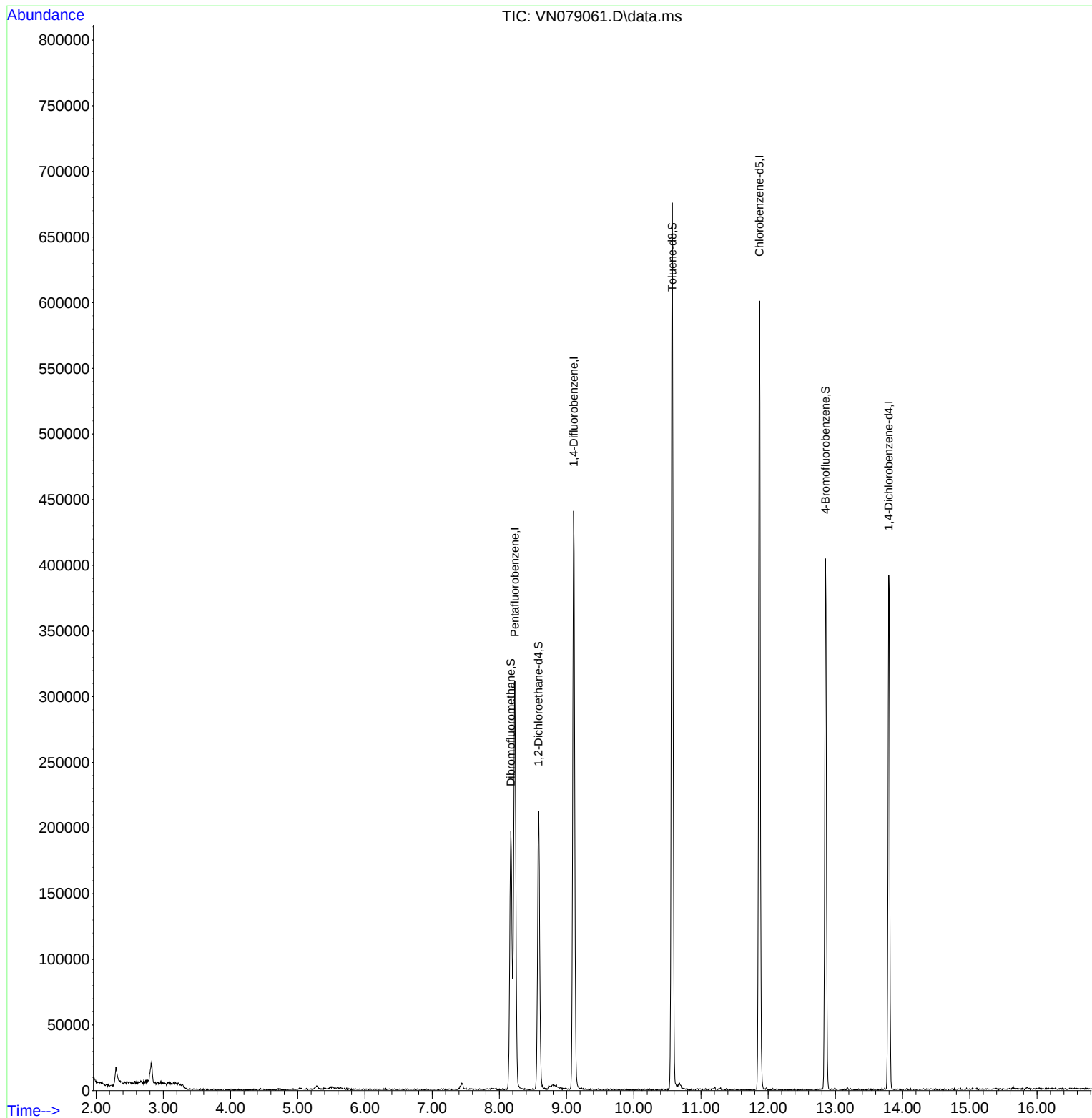
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

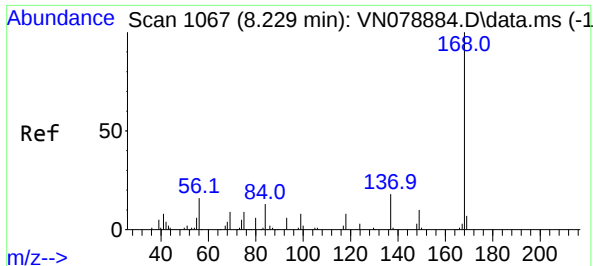
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Aug 16 02:42:02 2023  
Response via : Initial Calibration

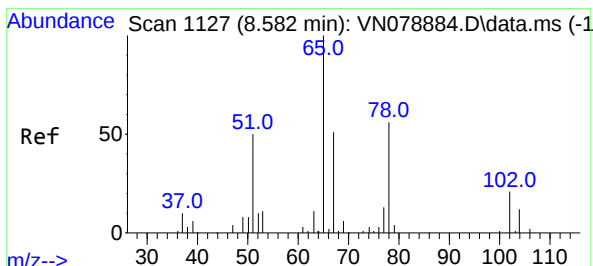
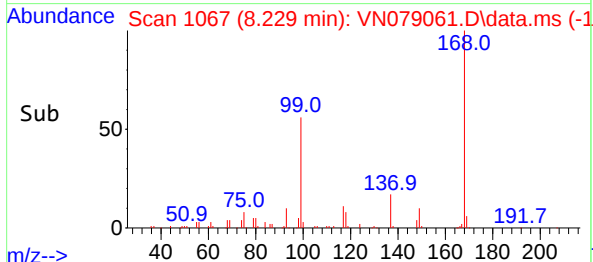
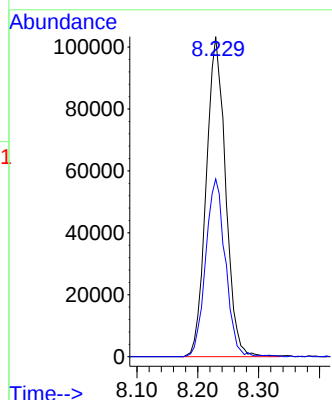
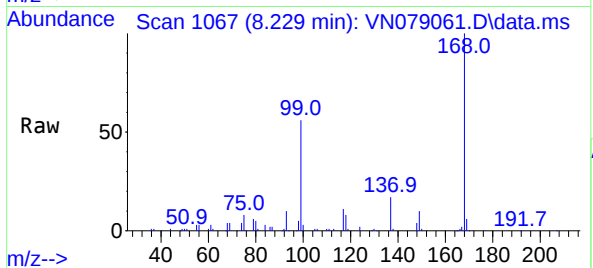




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.001 min  
Lab File: VN079061.D  
Acq: 28 Aug 2023 12:34

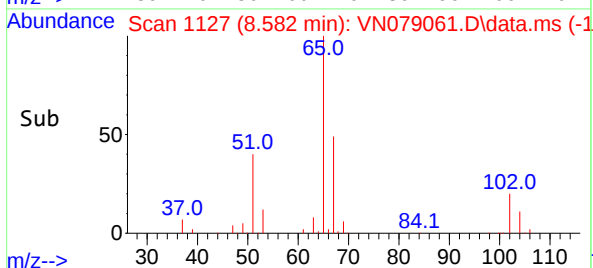
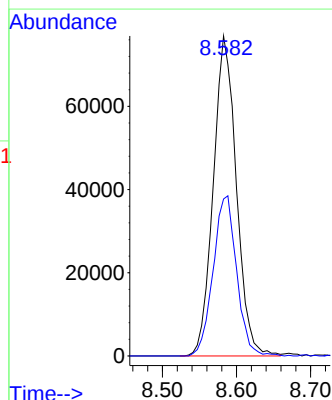
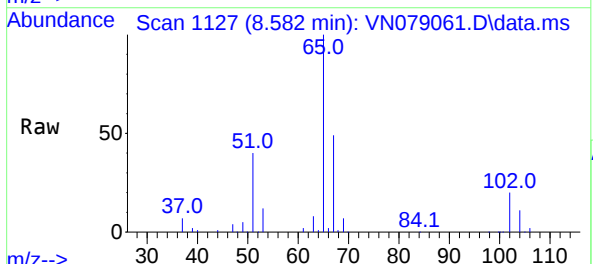
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0828WBL02

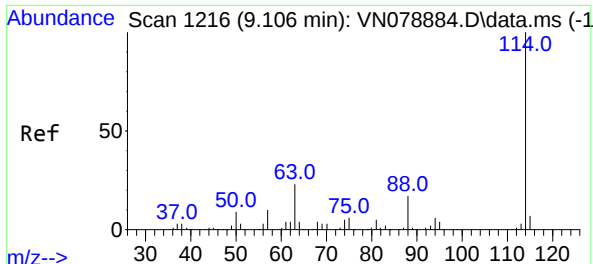
Tgt Ion:168 Resp: 228287  
Ion Ratio Lower Upper  
168 100  
99 55.6 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 46.813 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.001 min  
Lab File: VN079061.D  
Acq: 28 Aug 2023 12:34

Tgt Ion: 65 Resp: 166295  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079061.D

Acq: 28 Aug 2023 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0828WBL02

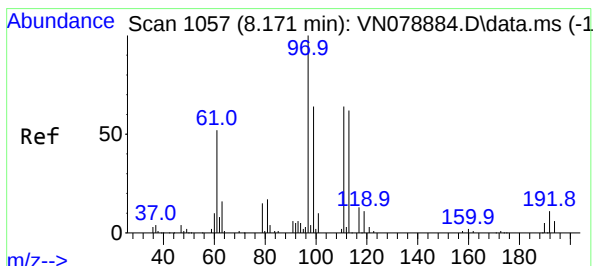
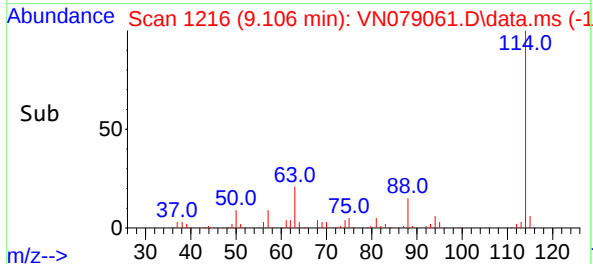
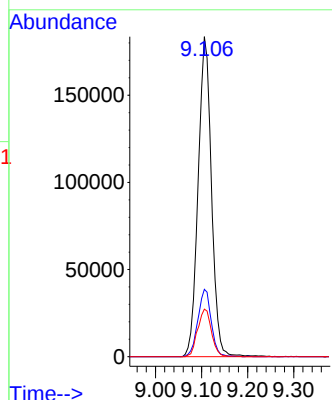
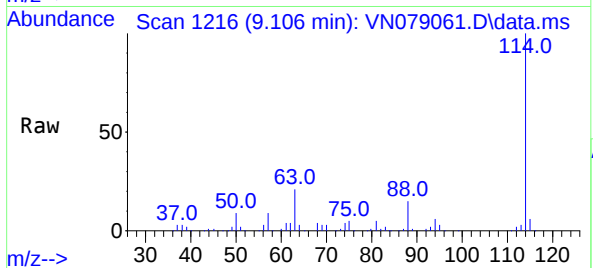
Tgt Ion:114 Resp: 369663

Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.290 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079061.D

Acq: 28 Aug 2023 12:34

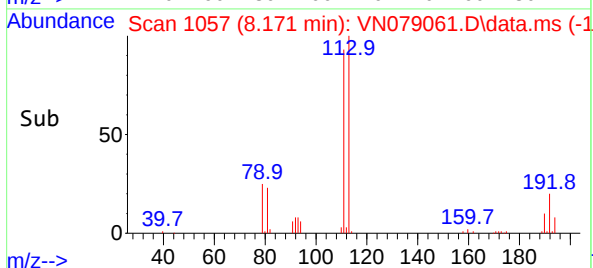
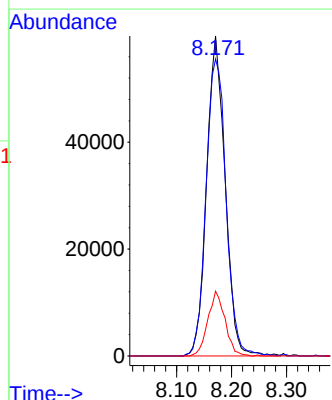
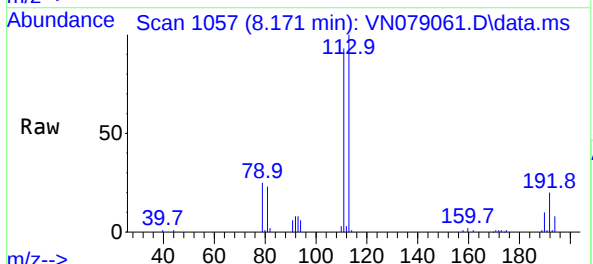
Tgt Ion:113 Resp: 140071

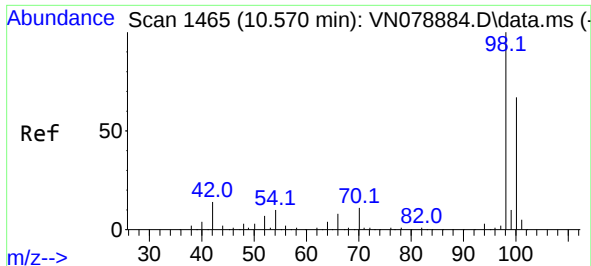
Ion Ratio Lower Upper

113 100

111 100.4 82.6 123.8

192 18.8 12.7 19.1

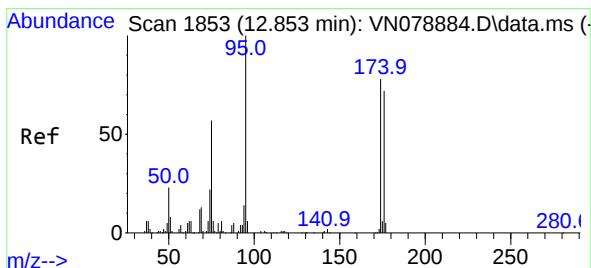
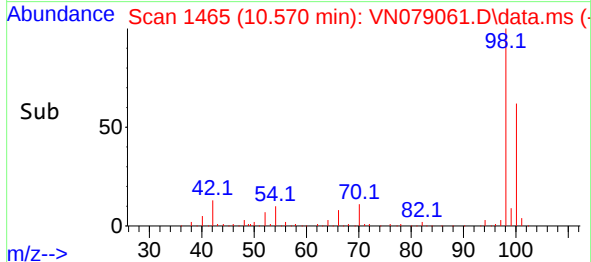
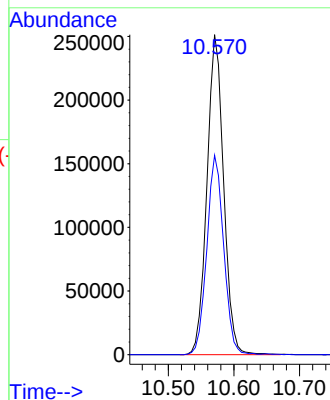
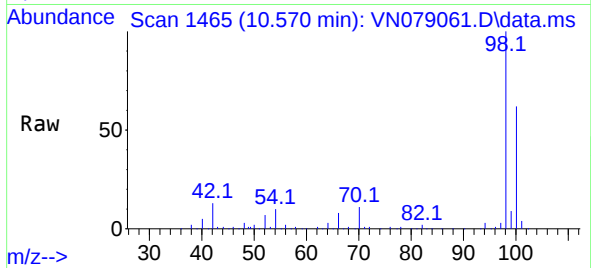




#50  
Toluene-d8  
Concen: 48.179 ug/l  
RT: 10.570 min Scan# 1465  
Delta R.T. -0.001 min  
Lab File: VN079061.D  
Acq: 28 Aug 2023 12:34

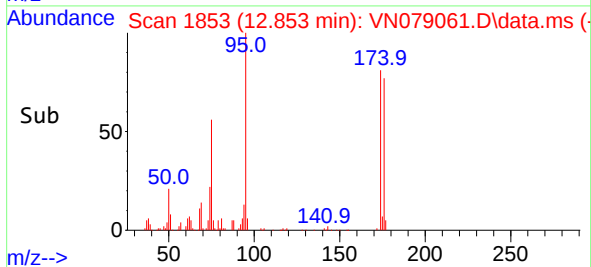
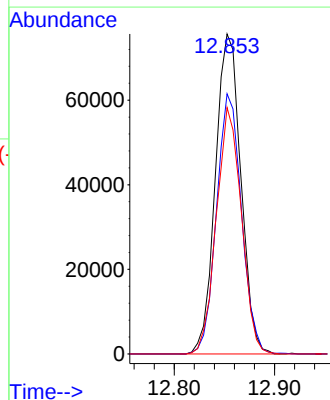
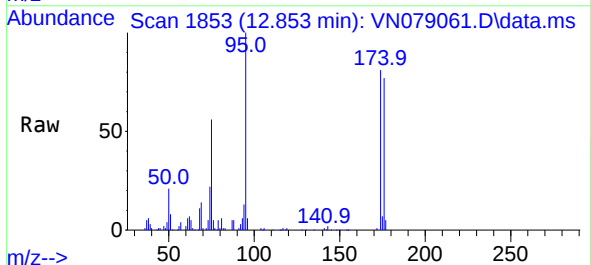
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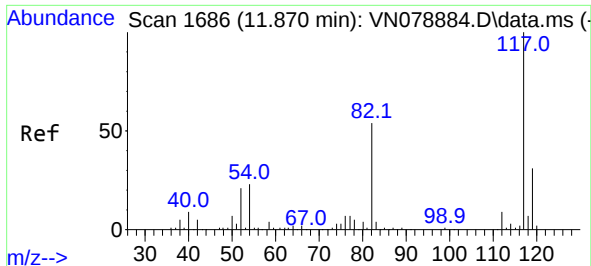
Tgt Ion: 98 Resp: 445154  
Ion Ratio Lower Upper  
98 100  
100 63.0 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 44.094 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079061.D  
Acq: 28 Aug 2023 12:34

Tgt Ion: 95 Resp: 133167  
Ion Ratio Lower Upper  
95 100  
174 79.8 0.0 143.8  
176 75.7 0.0 135.8

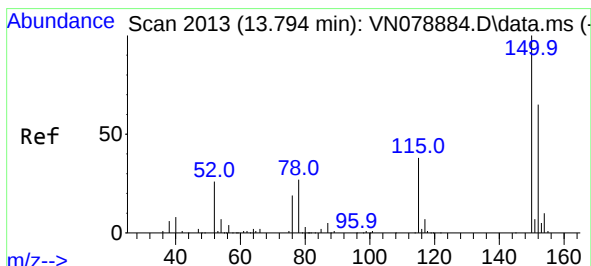
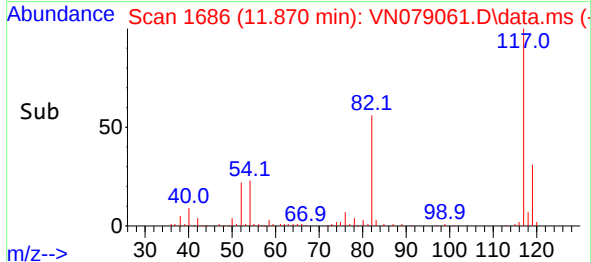
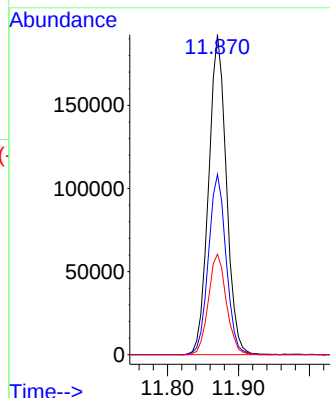
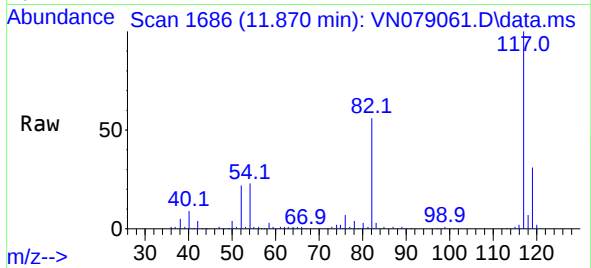




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1  
Delta R.T. -0.001 min  
Lab File: VN079061.D  
Acq: 28 Aug 2023 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0828WBL02

Tgt Ion:117 Resp: 334418  
Ion Ratio Lower Upper  
117 100  
82 56.3 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: VN079061.D  
Acq: 28 Aug 2023 12:34

Tgt Ion:152 Resp: 100780  
Ion Ratio Lower Upper  
152 100  
115 60.2 32.3 96.8  
150 160.8 0.0 355.8

