

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101223\  
 Data File : VN079559.D  
 Acq On : 12 Oct 2023 20:47  
 Operator : JC\MD  
 Sample : 04880-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-15-1012

Quant Time: Oct 13 01:26:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 240858   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 493760   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 459586   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 146127   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 212121   | 54.316   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 108.640% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 185727   | 52.342   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.680% |
| 50) Toluene-d8              | 10.571 | 98    | 574222   | 44.725   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 89.460%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 187612   | 45.534   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 91.060%  |

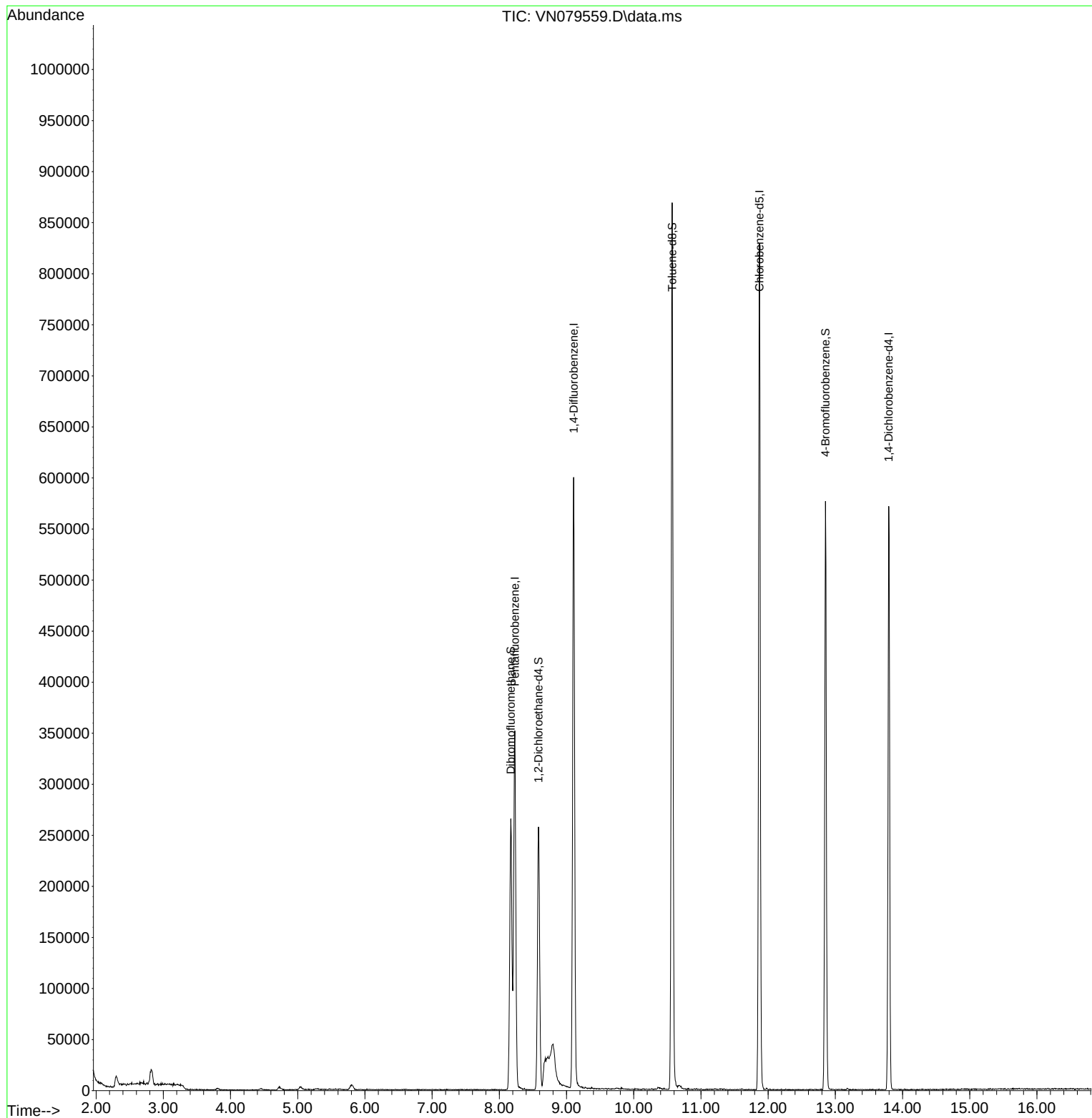
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

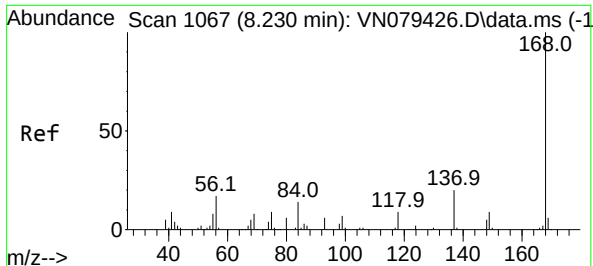
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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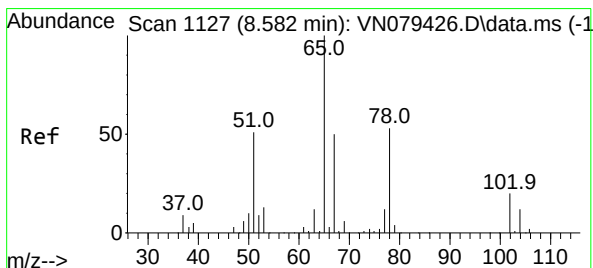
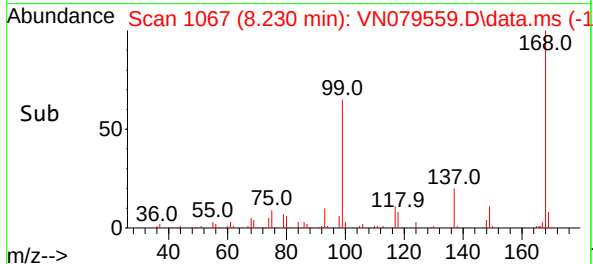
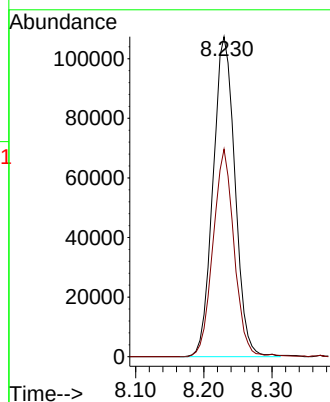
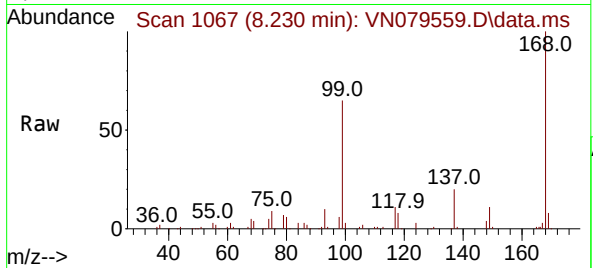




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN079559.D  
Acq: 12 Oct 2023 20:47

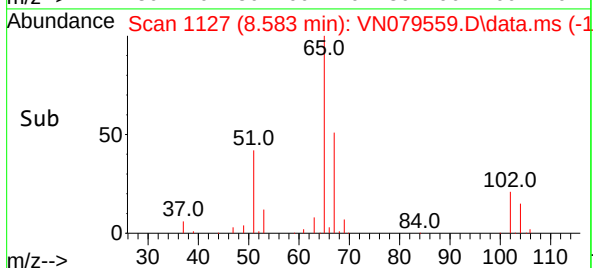
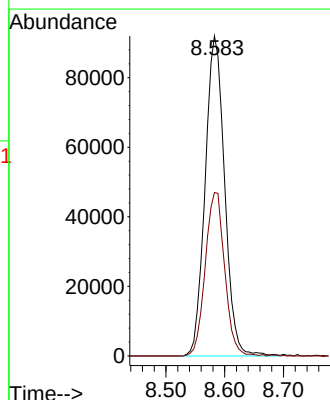
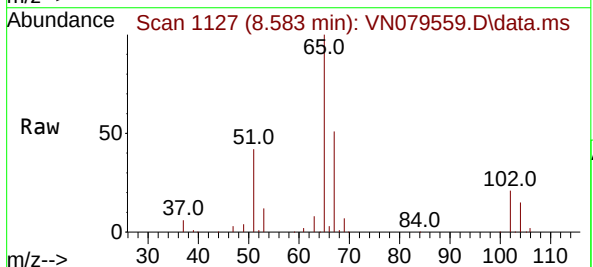
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-15-1012

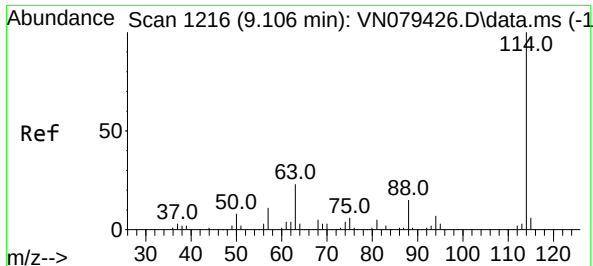
Tgt Ion:168 Resp: 240858  
Ion Ratio Lower Upper  
168 100  
99 64.8 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 54.316 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN079559.D  
Acq: 12 Oct 2023 20:47

Tgt Ion: 65 Resp: 212121  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079559.D

Acq: 12 Oct 2023 20:47

Instrument :

MSVOA\_N

ClientSampleId :

MW-15-1012

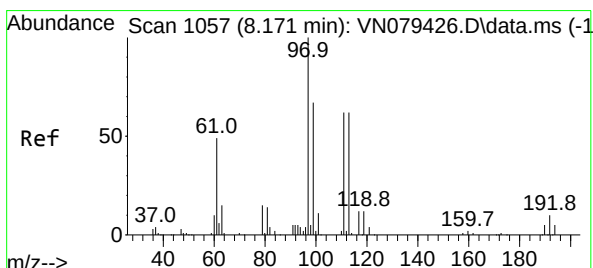
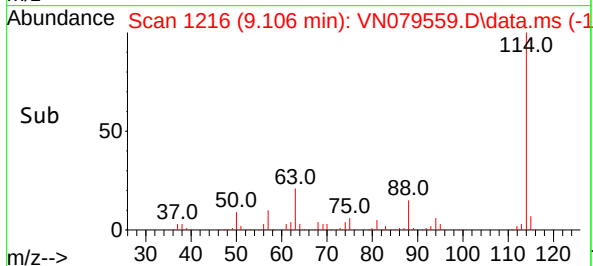
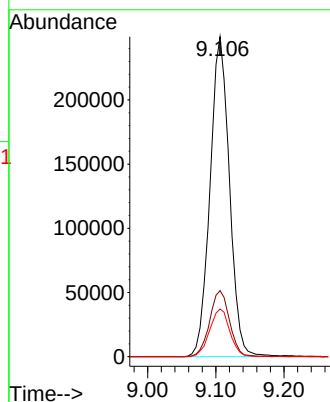
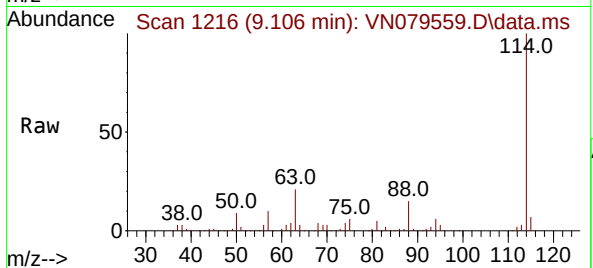
Tgt Ion:114 Resp: 493760

Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.342 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079559.D

Acq: 12 Oct 2023 20:47

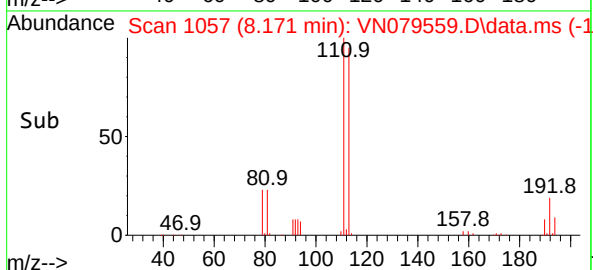
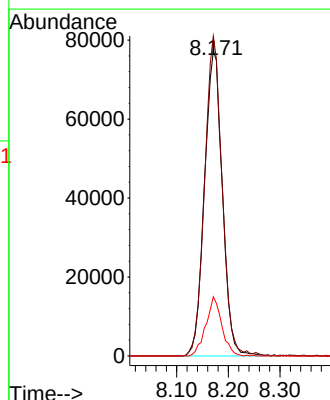
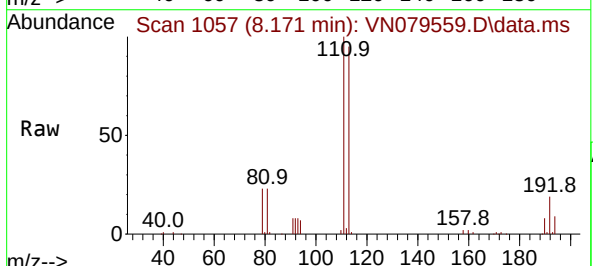
Tgt Ion:113 Resp: 185727

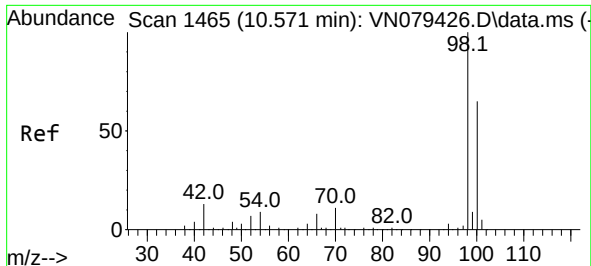
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 17.3 12.7 19.1

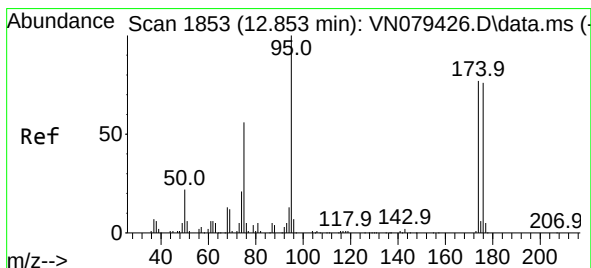
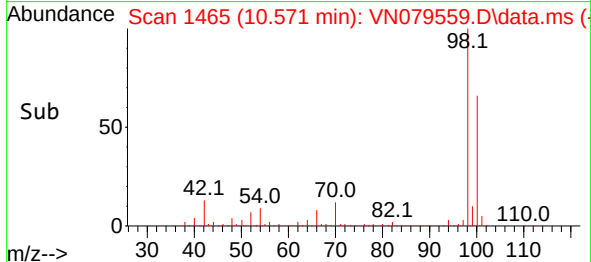
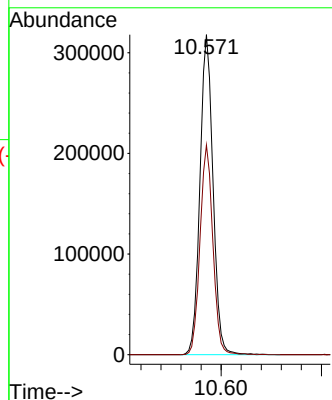
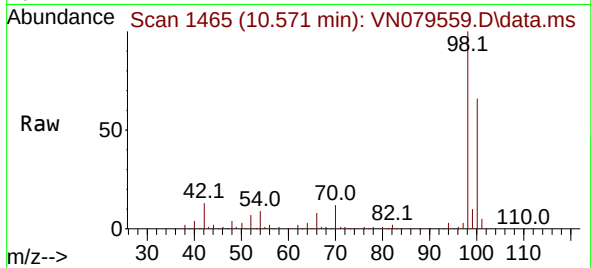




#50  
Toluene-d8  
Concen: 44.725 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN079559.D  
Acq: 12 Oct 2023 20:47

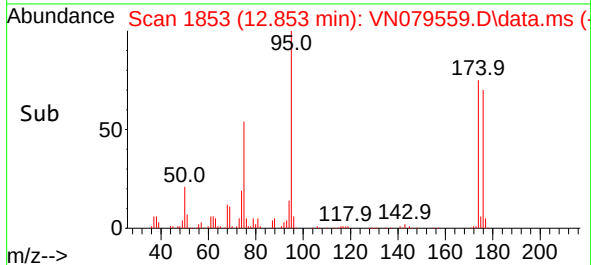
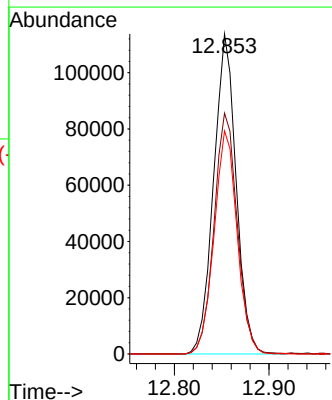
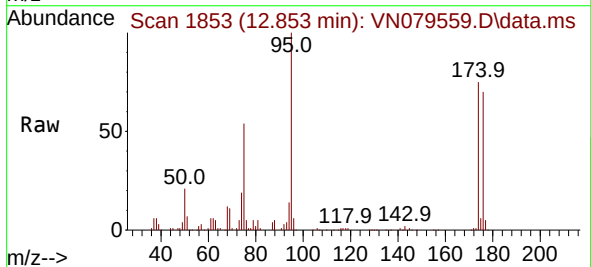
Instrument :  
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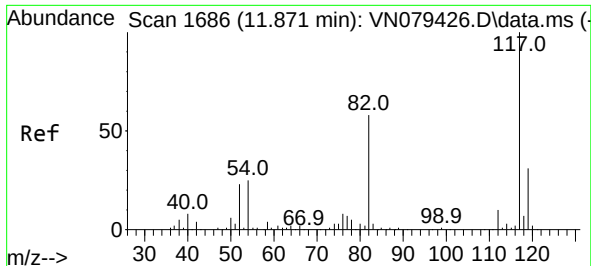
Tgt Ion: 98 Resp: 574222  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 45.534 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079559.D  
Acq: 12 Oct 2023 20:47

Tgt Ion: 95 Resp: 187612  
Ion Ratio Lower Upper  
95 100  
174 77.8 0.0 143.8  
176 71.7 0.0 135.8

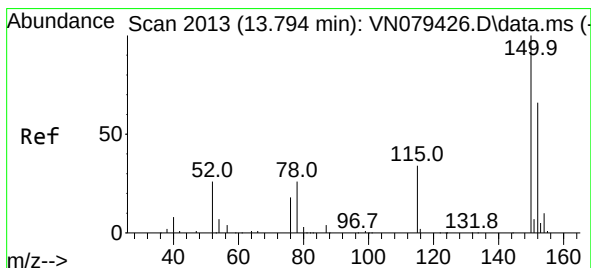
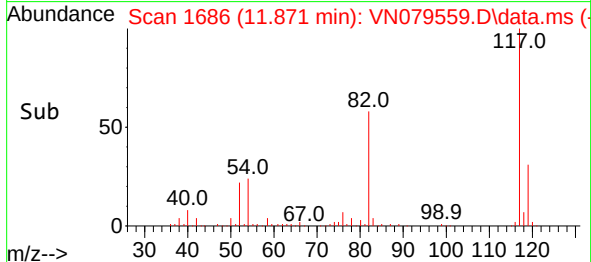
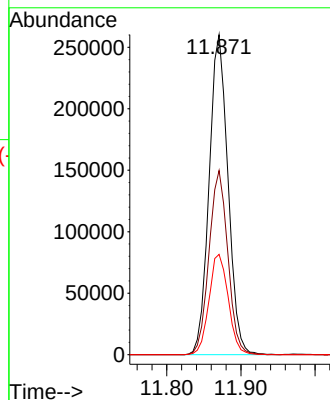
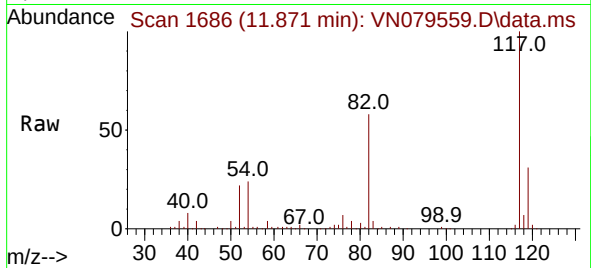




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079559.D  
Acq: 12 Oct 2023 20:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-15-1012

Tgt Ion:117 Resp: 459586  
Ion Ratio Lower Upper  
117 100  
82 57.5 44.0 66.0  
119 31.3 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: VN079559.D  
Acq: 12 Oct 2023 20:47

Tgt Ion:152 Resp: 146127  
Ion Ratio Lower Upper  
152 100  
115 60.4 32.3 96.8  
150 154.8 0.0 355.8

