

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072823\  
 Data File : VN078688.D  
 Acq On : 28 Jul 2023 16:28  
 Operator : JC\MD  
 Sample : 03831-07  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-20230727

Quant Time: Jul 29 00:51:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.236  | 168  | 688588   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.112  | 114  | 1240595  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 1128440  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.800 | 152  | 371253   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 441872   | 47.867   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 95.740%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 438633   | 52.085   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.160% |
| 50) Toluene-d8              | 10.577 | 98    | 1485489  | 46.693   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 93.380%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 511455   | 52.192   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 104.380% |

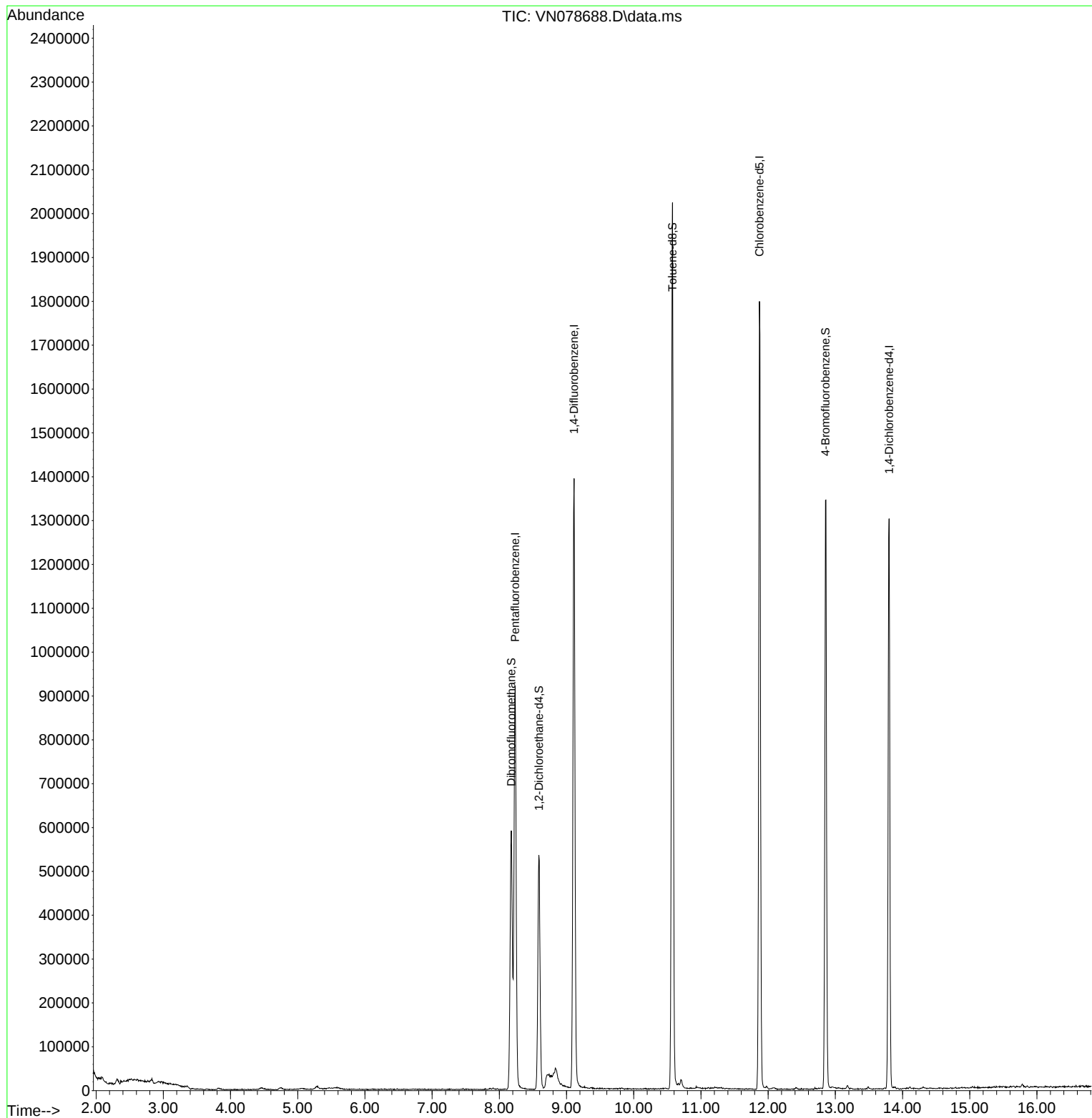
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

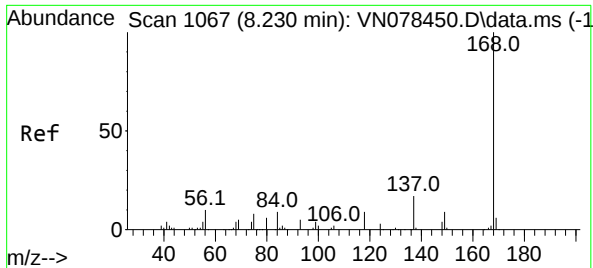
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Jul 10 16:13:53 2023  
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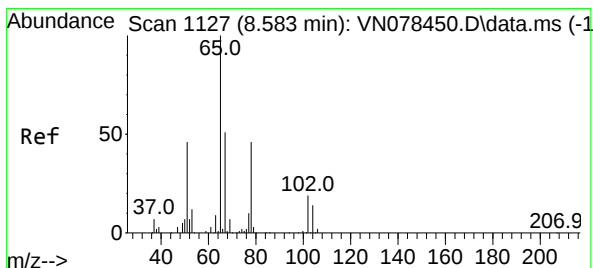
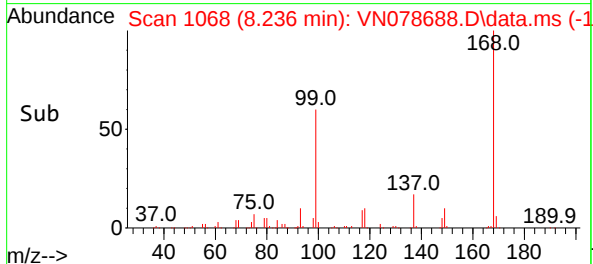
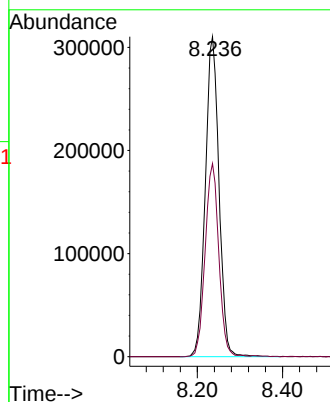
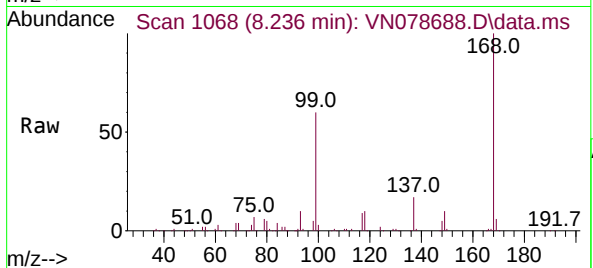




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1067  
Delta R.T. 0.006 min  
Lab File: VN078688.D  
Acq: 28 Jul 2023 16:28

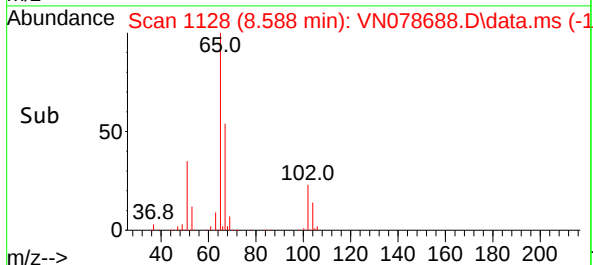
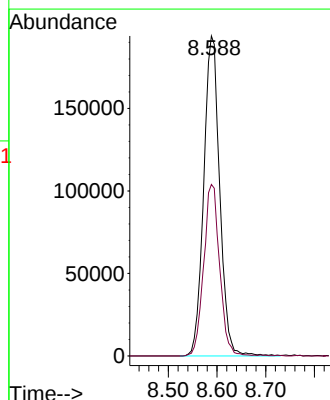
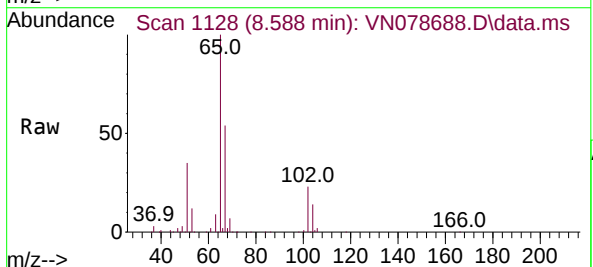
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-20230727

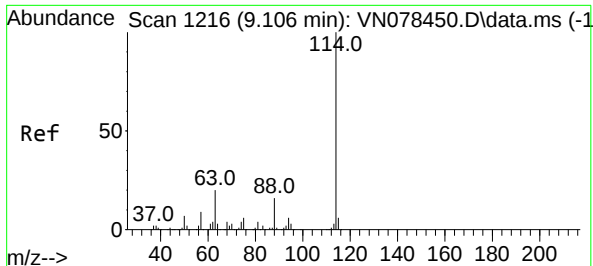
Tgt Ion:168 Resp: 688588  
Ion Ratio Lower Upper  
168 100  
99 60.4 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 47.867 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.005 min  
Lab File: VN078688.D  
Acq: 28 Jul 2023 16:28

Tgt Ion: 65 Resp: 441872  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078688.D

Acq: 28 Jul 2023 16:28

Instrument :

MSVOA\_N

ClientSampleId :

TB-20230727

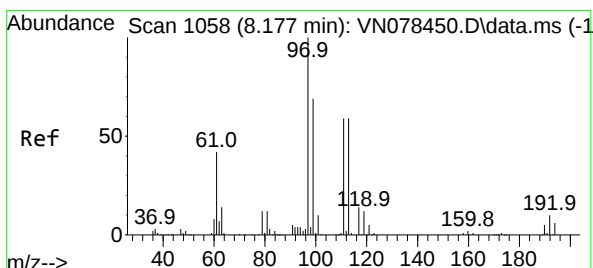
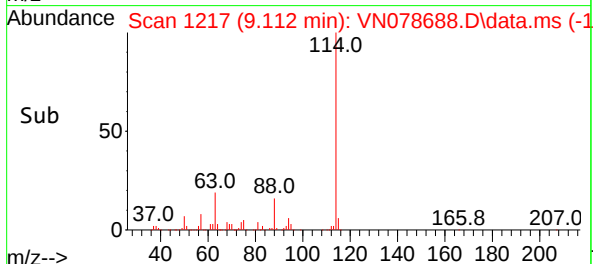
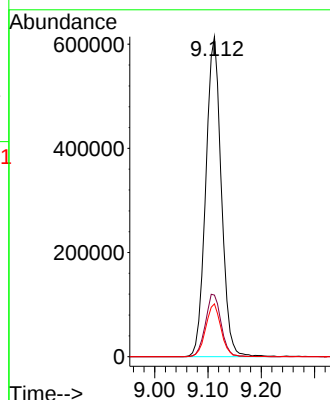
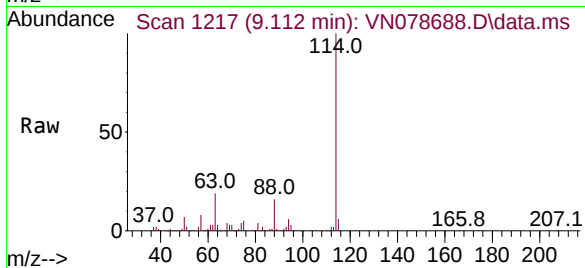
Tgt Ion:114 Resp: 1240595

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 16.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.085 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078688.D

Acq: 28 Jul 2023 16:28

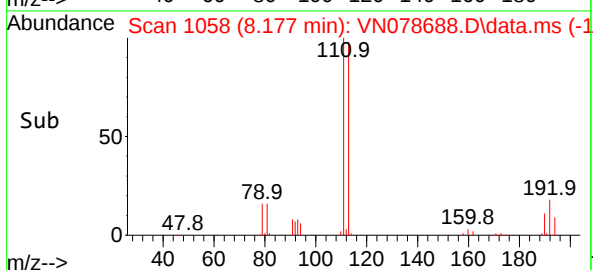
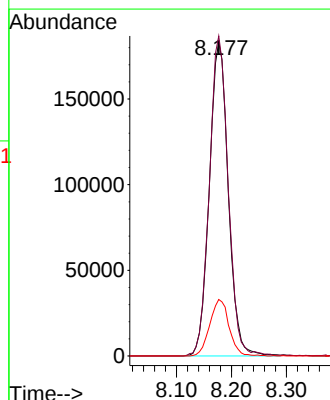
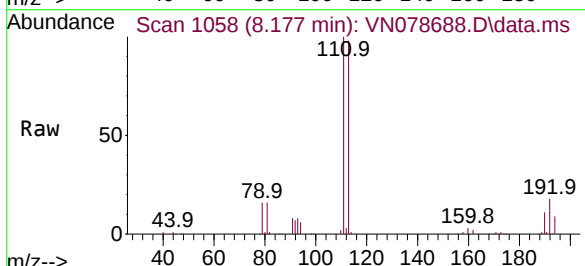
Tgt Ion:113 Resp: 438633

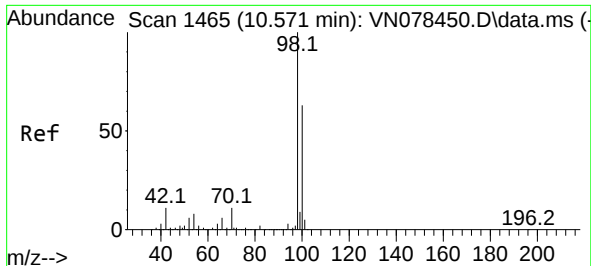
Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

192 18.3 12.7 19.1

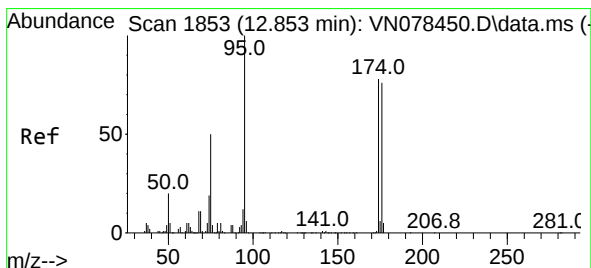
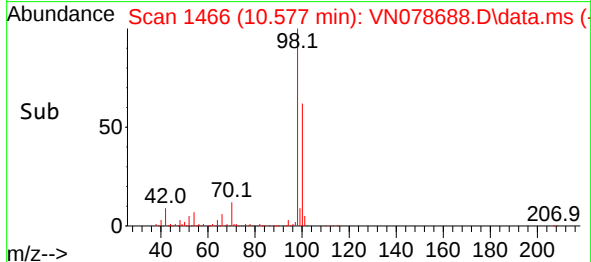
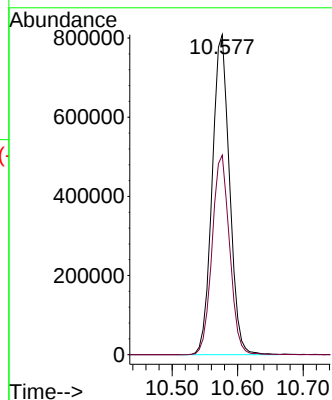
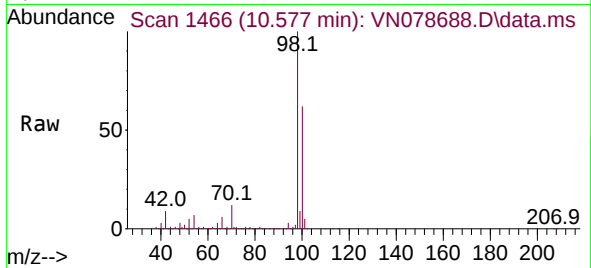




#50  
Toluene-d8  
Concen: 46.693 ug/l  
RT: 10.577 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN078688.D  
Acq: 28 Jul 2023 16:28

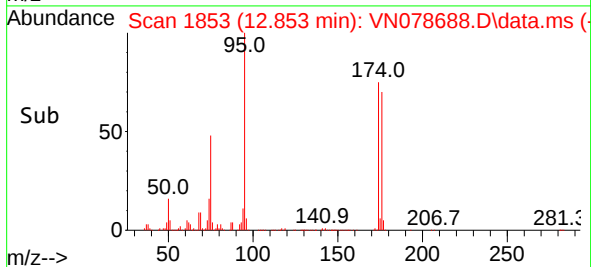
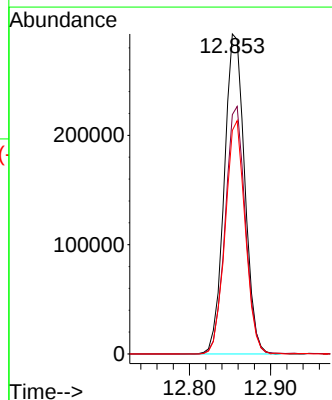
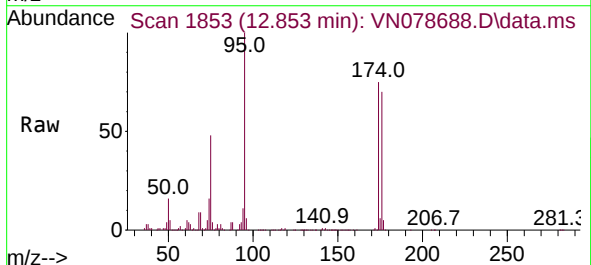
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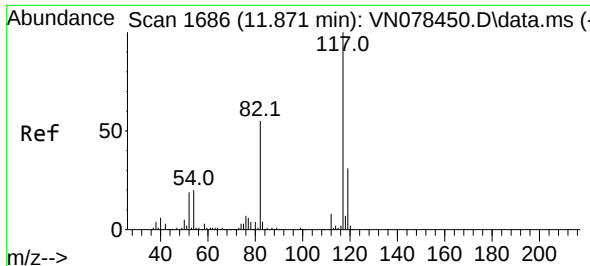
Tgt Ion: 98 Resp: 1485489  
Ion Ratio Lower Upper  
98 100  
100 63.0 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 52.192 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078688.D  
Acq: 28 Jul 2023 16:28

Tgt Ion: 95 Resp: 511455  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 143.8  
176 71.3 0.0 135.8

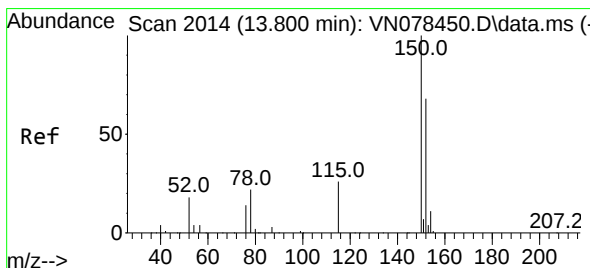
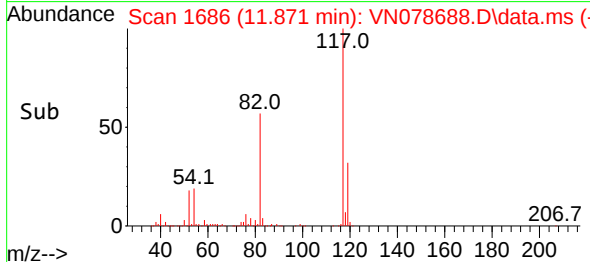
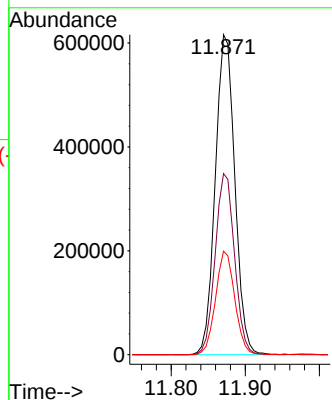
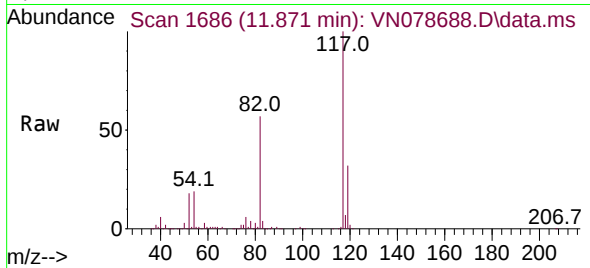




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VN078688.D  
Acq: 28 Jul 2023 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-20230727

Tgt Ion:117 Resp: 1128440  
Ion Ratio Lower Upper  
117 100  
82 56.6 44.0 66.0  
119 32.4 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 2014  
Delta R.T. -0.000 min  
Lab File: VN078688.D  
Acq: 28 Jul 2023 16:28

Tgt Ion:152 Resp: 371253  
Ion Ratio Lower Upper  
152 100  
115 63.3 32.3 96.8  
150 161.1 0.0 355.8

