

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071323\  
 Data File : VN078496.D  
 Acq On : 13 Jul 2023 14:11  
 Operator : JC\MD  
 Sample : 03610-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 230712039-08-TRIP-BLANK

Quant Time: Jul 14 01:33:08 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      | 8.235  | 168  | 409994   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.112  | 114  | 744163   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 694817   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.800 | 152  | 254570   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 279872   | 50.919   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 101.840% |
| 35) Dibromofluoromethane    | 8.177  | 113   | 275533   | 54.544   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 109.080% |
| 50) Toluene-d8              | 10.576 | 98    | 873254   | 45.760   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 91.520%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 315093   | 53.604   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 107.200% |

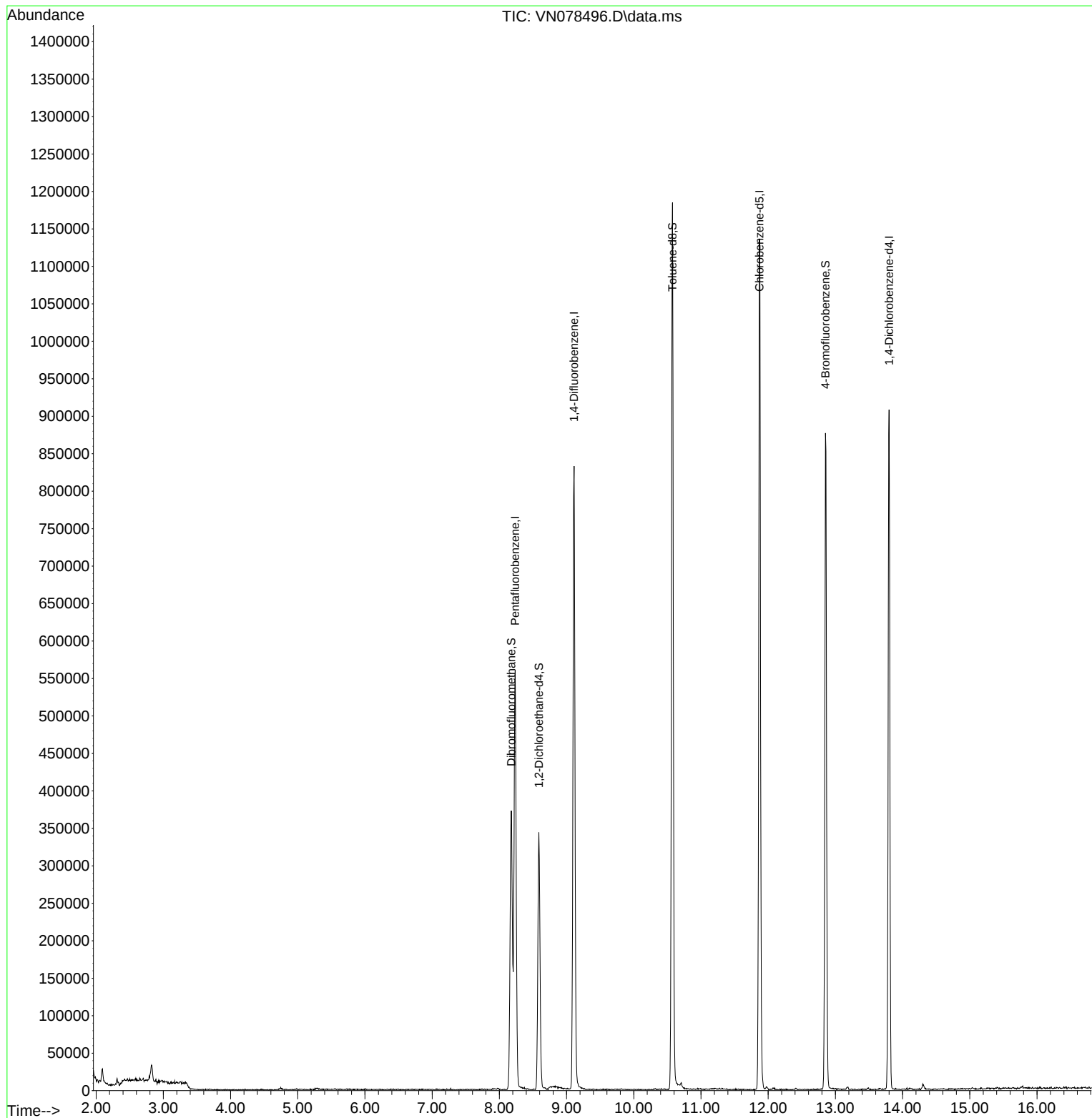
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

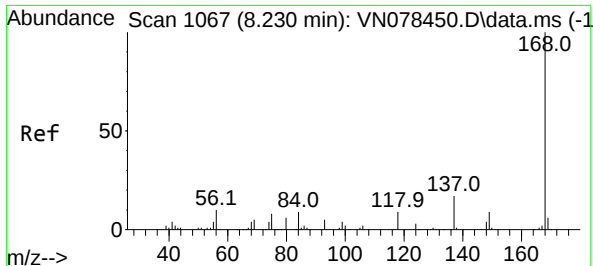
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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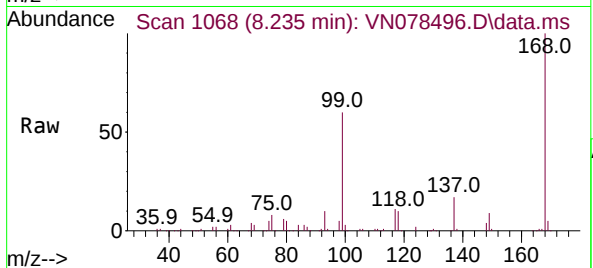
Quant Time: Jul 14 01:33:08 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 10 16:13:53 2023  
Response via : Initial Calibration



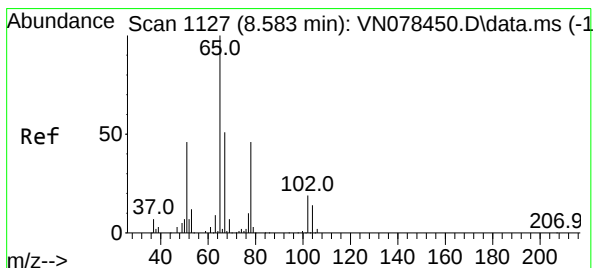
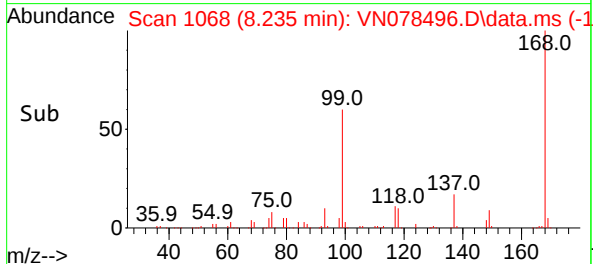
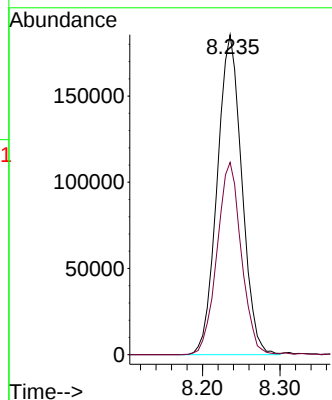


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1067  
Delta R.T. 0.005 min  
Lab File: VN078496.D  
Acq: 13 Jul 2023 14:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
230712039-08-TRIP-BLANK

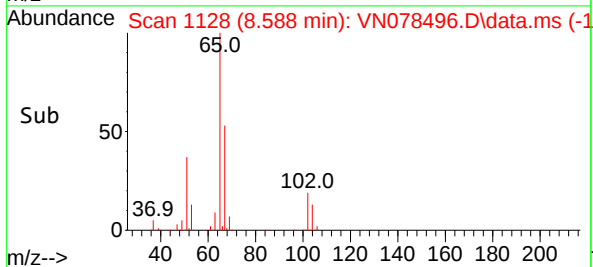
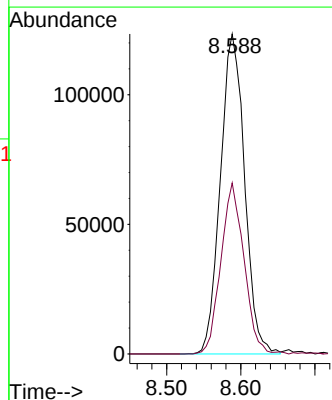
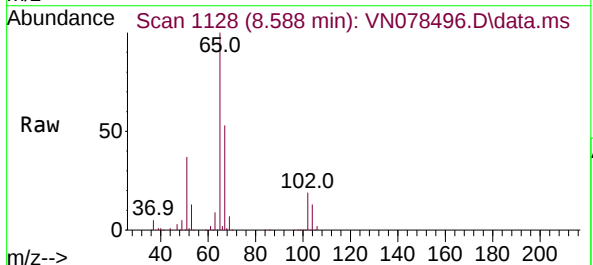


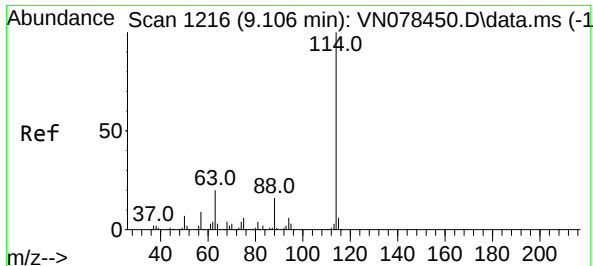
Tgt Ion:168 Resp: 409994  
Ion Ratio Lower Upper  
168 100  
99 60.1 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 50.919 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.005 min  
Lab File: VN078496.D  
Acq: 13 Jul 2023 14:11

Tgt Ion: 65 Resp: 279872  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078496.D

Acq: 13 Jul 2023 14:11

Instrument :

MSVOA\_N

ClientSampleId :

230712039-08-TRIP-BLANK

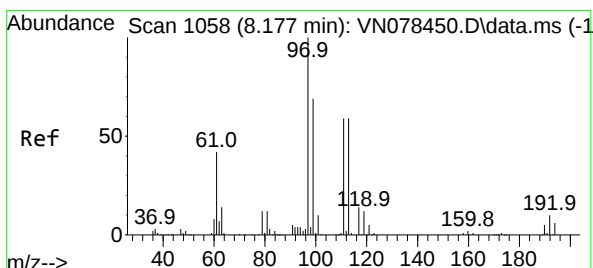
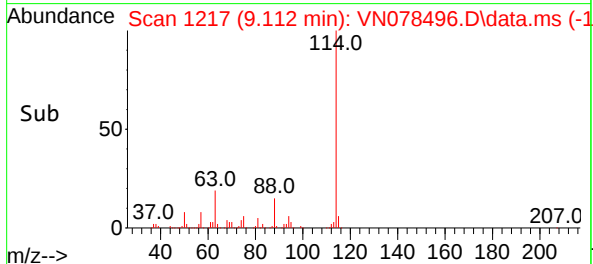
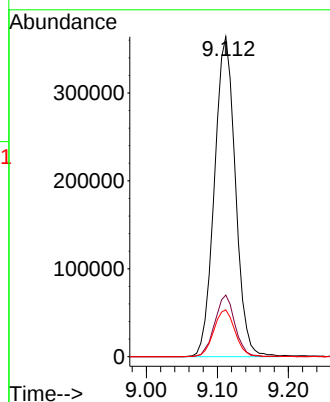
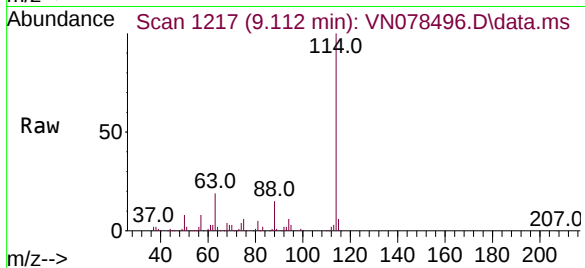
Tgt Ion:114 Resp: 744163

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.544 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078496.D

Acq: 13 Jul 2023 14:11

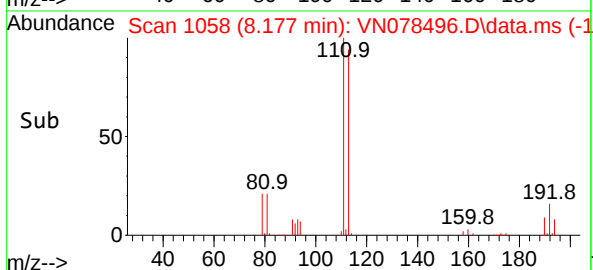
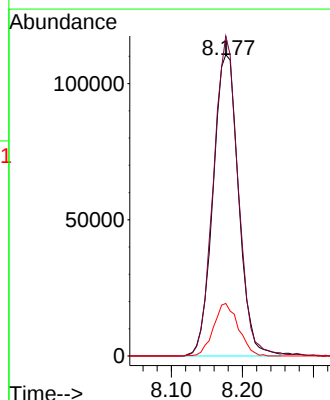
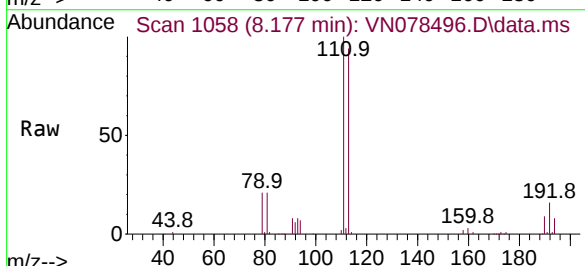
Tgt Ion:113 Resp: 275533

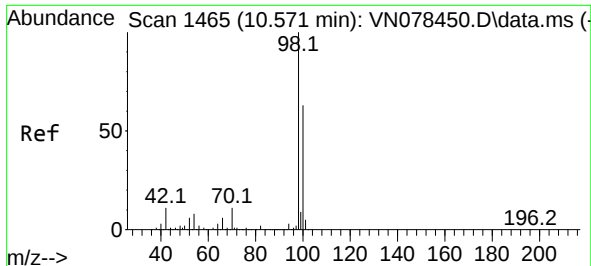
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 17.0 12.7 19.1

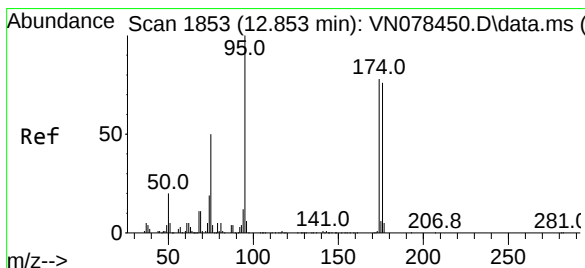
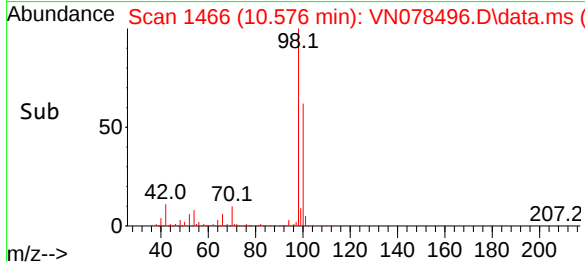
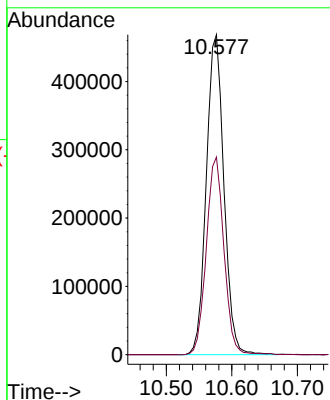
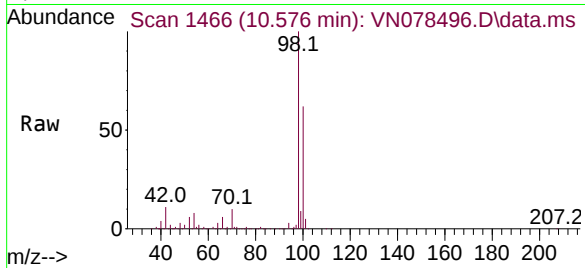




#50  
Toluene-d8  
Concen: 45.760 ug/l  
RT: 10.576 min Scan# 1466  
Delta R.T. 0.005 min  
Lab File: VN078496.D  
Acq: 13 Jul 2023 14:11

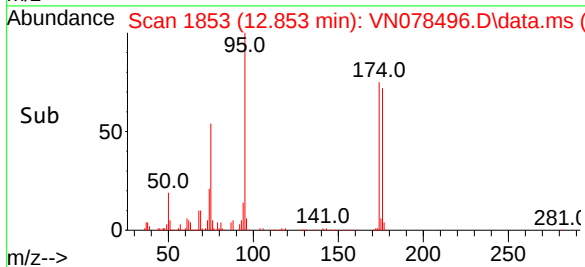
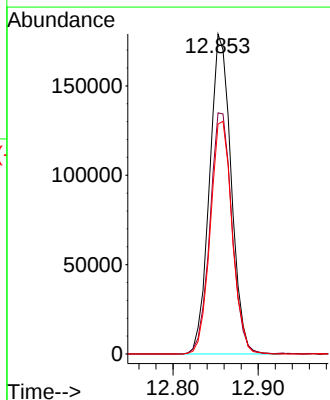
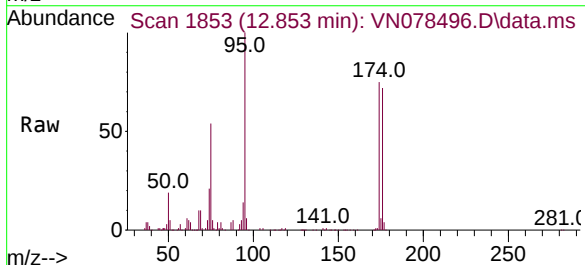
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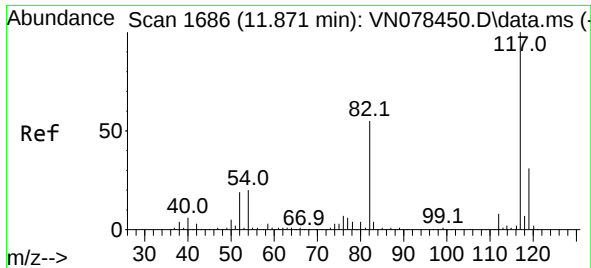
Tgt Ion: 98 Resp: 873254  
Ion Ratio Lower Upper  
98 100  
100 62.0 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 53.604 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078496.D  
Acq: 13 Jul 2023 14:11

Tgt Ion: 95 Resp: 315093  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 143.8  
176 73.4 0.0 135.8

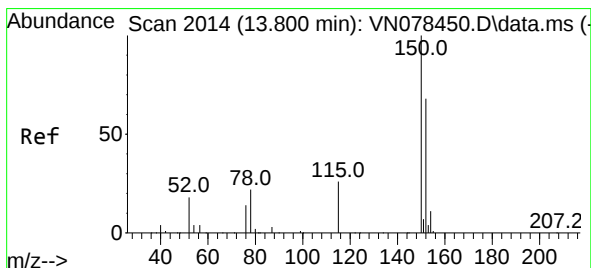
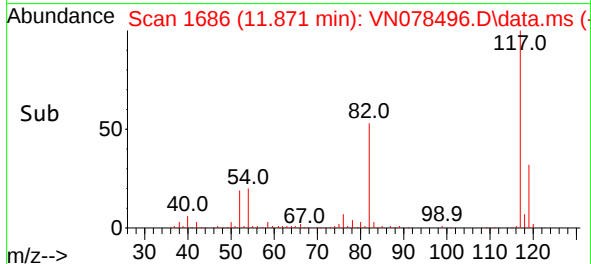
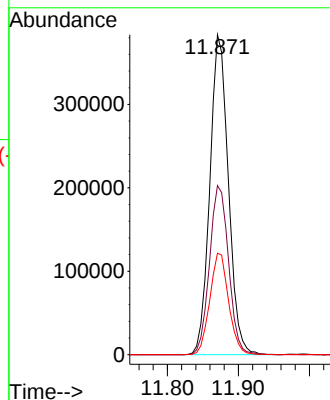
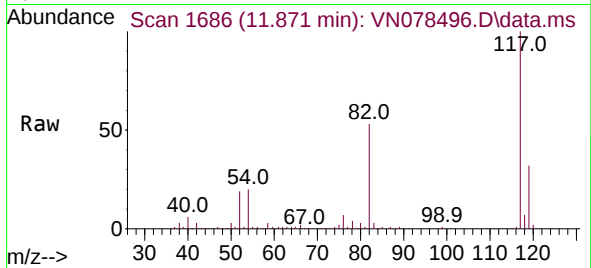




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN078496.D  
Acq: 13 Jul 2023 14:11

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MSVOA\_N  
ClientSampleId :  
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Tgt Ion:117 Resp: 694817  
Ion Ratio Lower Upper  
117 100  
82 52.9 44.0 66.0  
119 31.7 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: VN078496.D  
Acq: 13 Jul 2023 14:11

Tgt Ion:152 Resp: 254570  
Ion Ratio Lower Upper  
152 100  
115 61.7 32.3 96.8  
150 157.8 0.0 355.8

