

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071423\  
 Data File : VN078515.D  
 Acq On : 14 Jul 2023 12:20  
 Operator : JC\MD  
 Sample : 03624-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

Quant Time: Jul 15 03:59:49 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   | 404674   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.112  | 114   | 724706   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 672137   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800 | 152   | 234193   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 274682   | 50.632   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 101.260% |          |
| 35) Dibromofluoromethane    | 8.171  | 113   | 270636   | 55.013   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 110.020% |          |
| 50) Toluene-d8              | 10.571 | 98    | 851237   | 45.804   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 91.600%  |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 288415   | 50.383   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 100.760% |          |

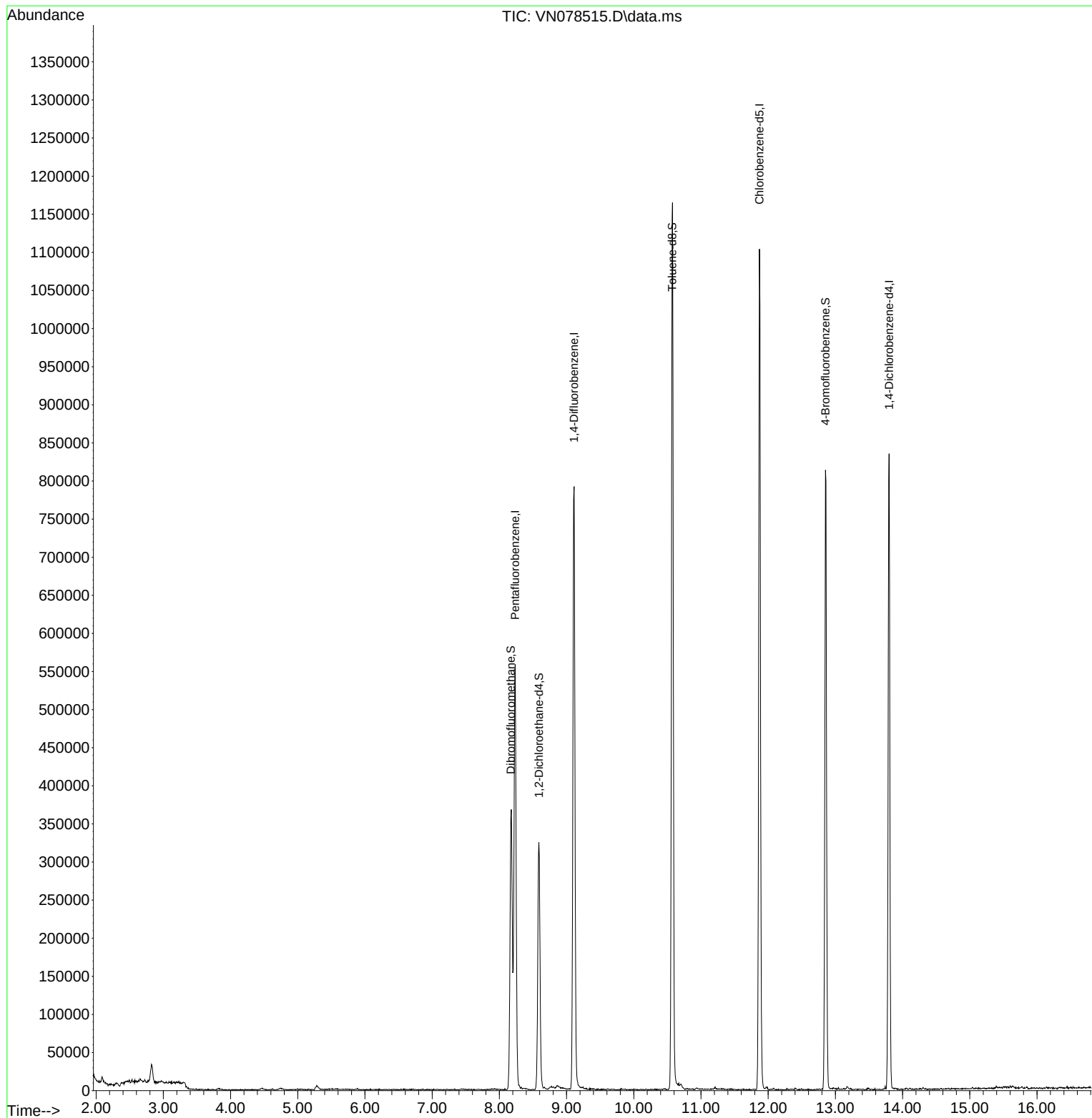
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

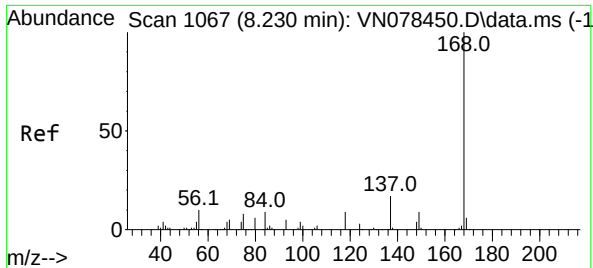
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Mon Jul 10 16:13:53 2023  
Response via : Initial Calibration

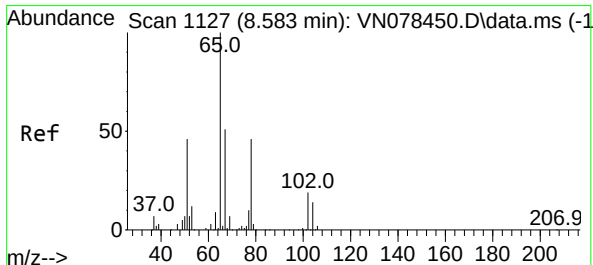
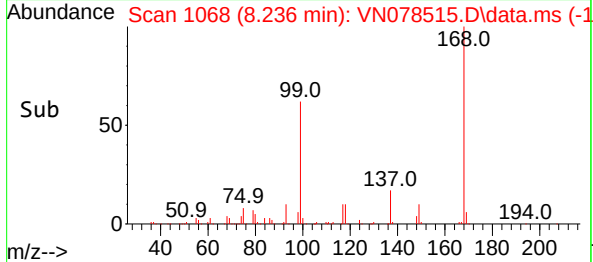
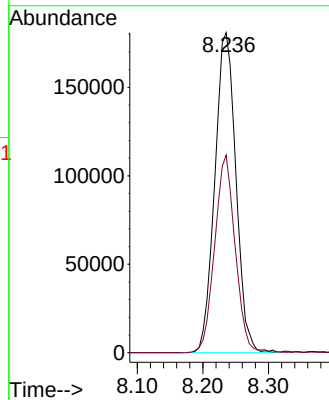
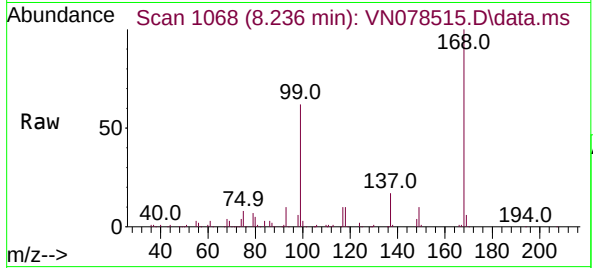




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1068  
Delta R.T. 0.005 min  
Lab File: VN078515.D  
Acq: 14 Jul 2023 12:20

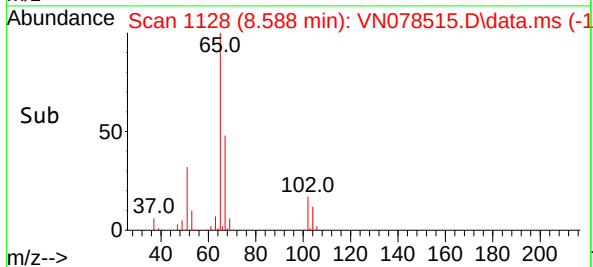
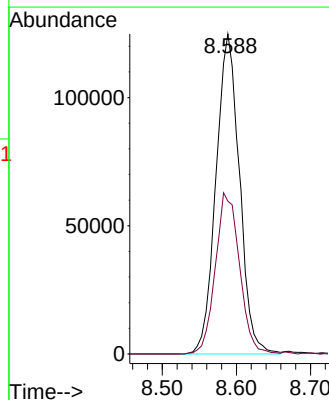
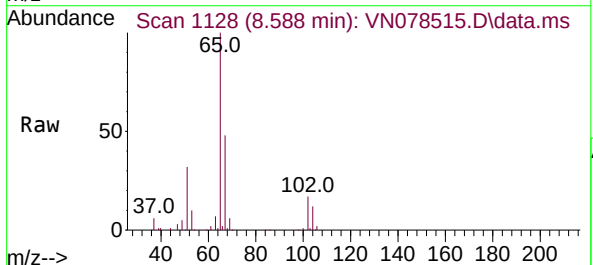
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

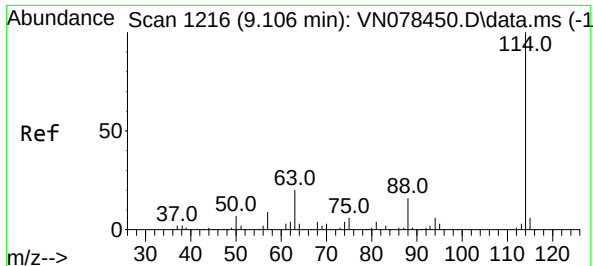
Tgt Ion:168 Resp: 404674  
Ion Ratio Lower Upper  
168 100  
99 61.7 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 50.632 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.005 min  
Lab File: VN078515.D  
Acq: 14 Jul 2023 12:20

Tgt Ion: 65 Resp: 274682  
Ion Ratio Lower Upper  
65 100  
67 51.7 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: VN078515.D

Acq: 14 Jul 2023 12:20

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

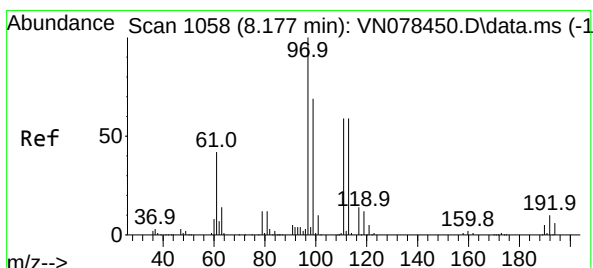
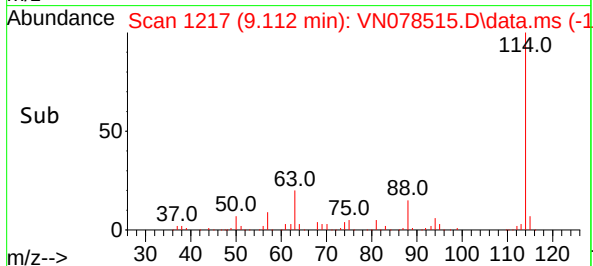
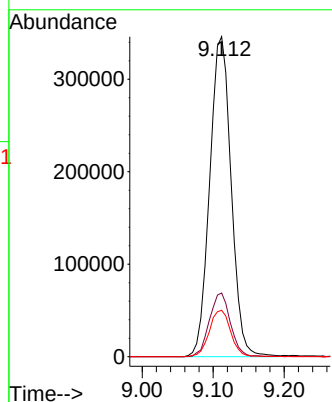
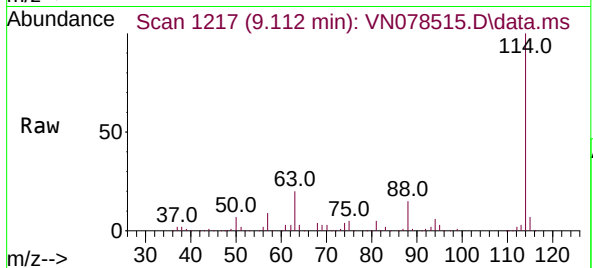
Tgt Ion:114 Resp: 724706

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.013 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078515.D

Acq: 14 Jul 2023 12:20

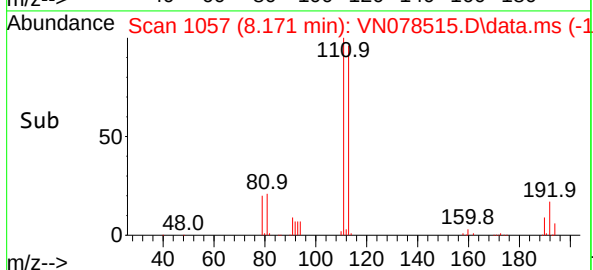
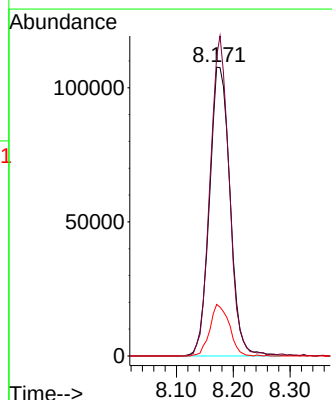
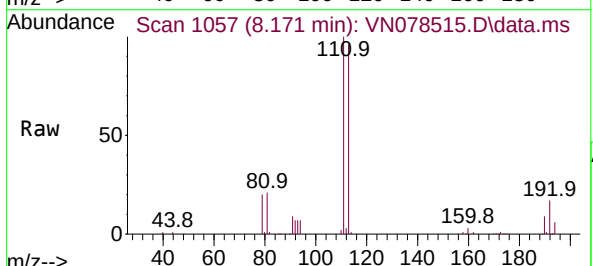
Tgt Ion:113 Resp: 270636

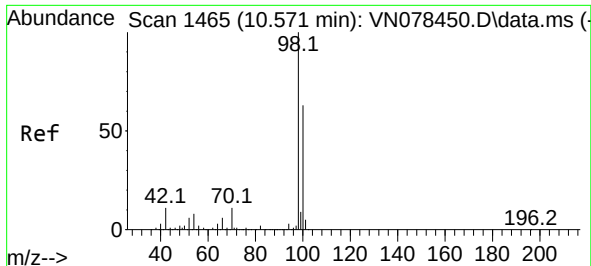
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 16.8 12.7 19.1

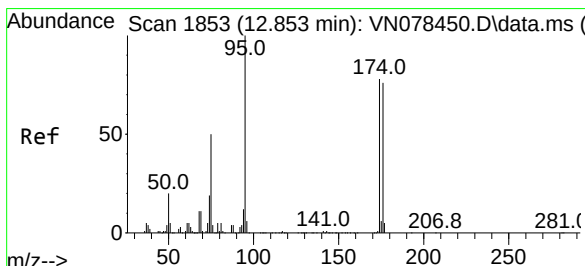
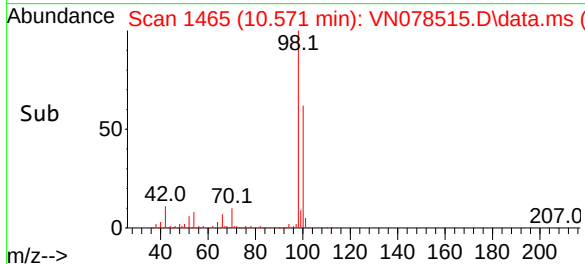
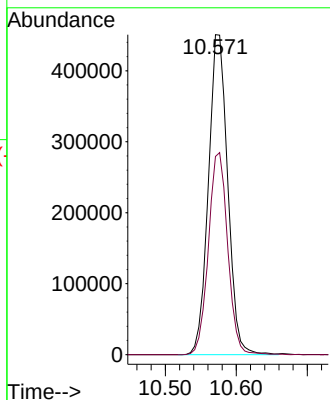
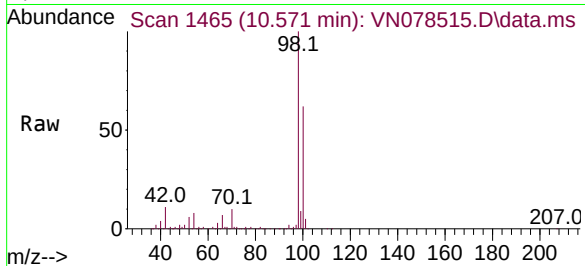




#50  
Toluene-d8  
Concen: 45.804 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN078515.D  
Acq: 14 Jul 2023 12:20

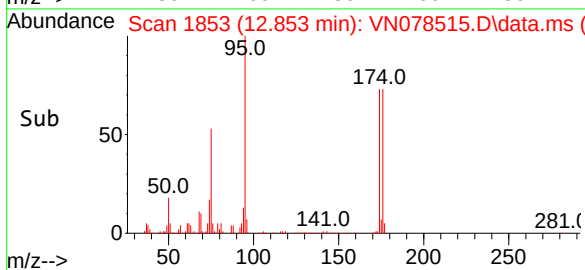
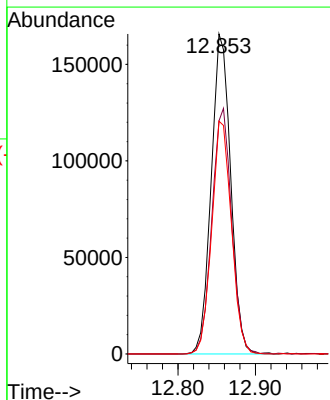
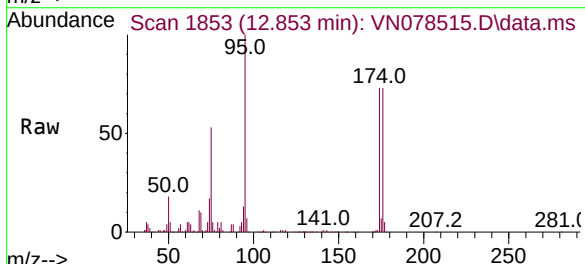
Instrument :  
MSVOA\_N  
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STORAGE-BLANK-WATER-REF-5

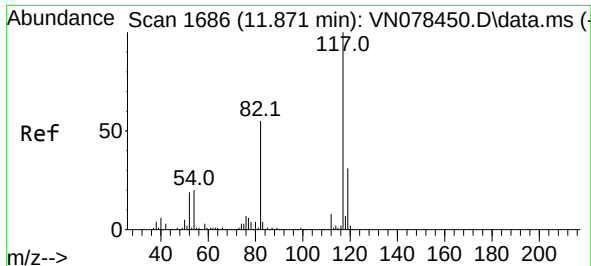
Tgt Ion: 98 Resp: 851237  
Ion Ratio Lower Upper  
98 100  
100 63.0 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 50.383 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078515.D  
Acq: 14 Jul 2023 12:20

Tgt Ion: 95 Resp: 288415  
Ion Ratio Lower Upper  
95 100  
174 78.3 0.0 143.8  
176 73.8 0.0 135.8

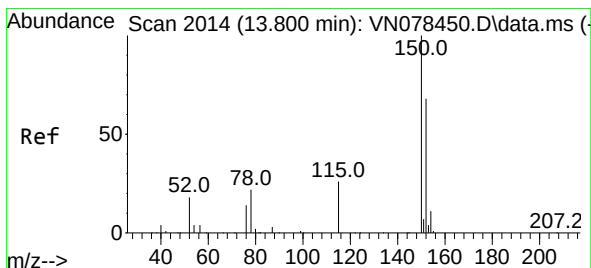
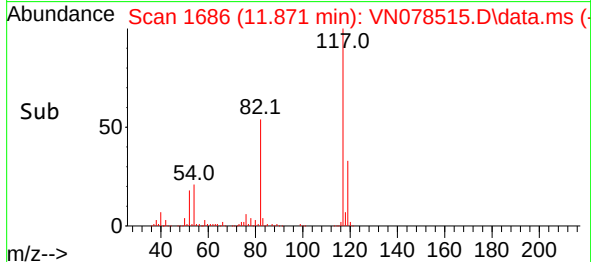
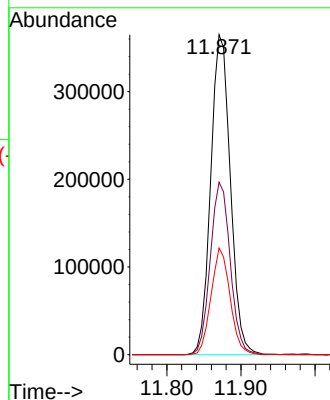
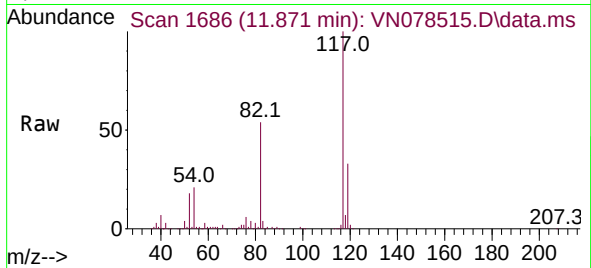




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN078515.D  
Acq: 14 Jul 2023 12:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

Tgt Ion:117 Resp: 672137  
Ion Ratio Lower Upper  
117 100  
82 53.9 44.0 66.0  
119 33.4 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: VN078515.D  
Acq: 14 Jul 2023 12:20

Tgt Ion:152 Resp: 234193  
Ion Ratio Lower Upper  
152 100  
115 61.5 32.3 96.8  
150 154.3 0.0 355.8

