

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062823\  
 Data File : VN078441.D  
 Acq On : 28 Jun 2023 15:06  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Jun 29 05:21:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 07 05:05:00 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 435551   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.112  | 114  | 799684   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 713356   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.800 | 152  | 225012   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 304105   | 52.367   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 104.740% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 292342   | 57.817   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 115.640% |
| 50) Toluene-d8              | 10.577 | 98    | 929959   | 47.708   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 95.420%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 297135   | 49.034   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 98.060%  |

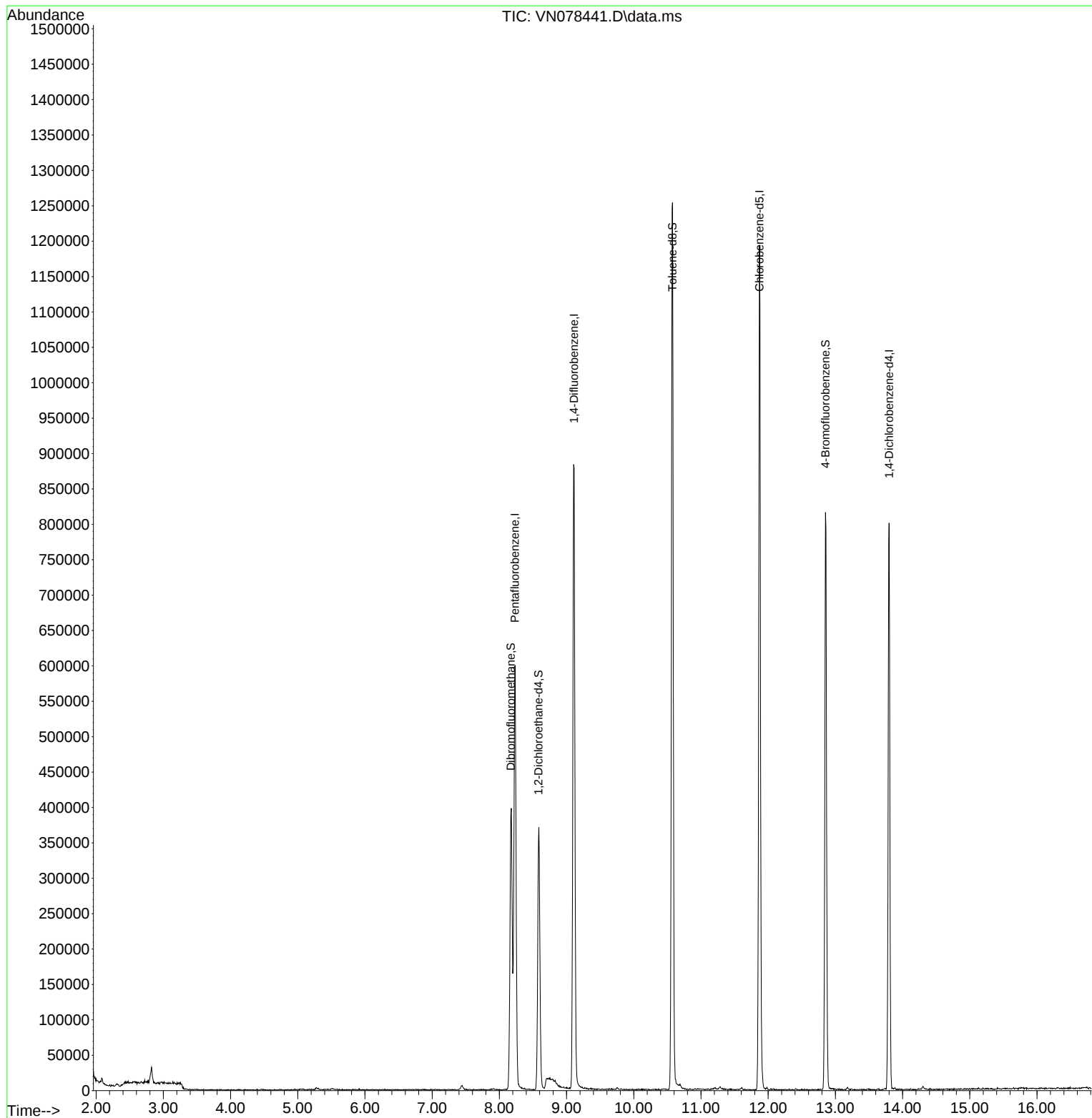
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

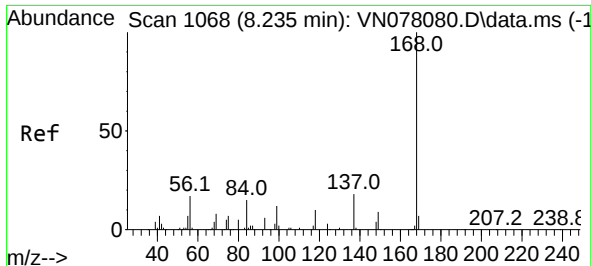
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Jun 07 05:05:00 2023  
Response via : Initial Calibration

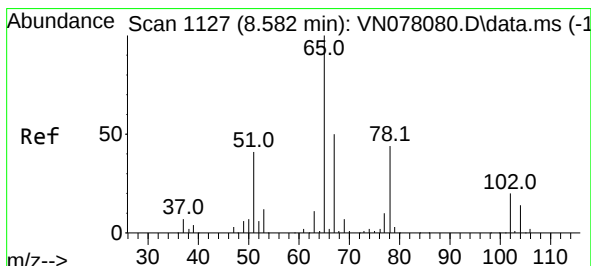
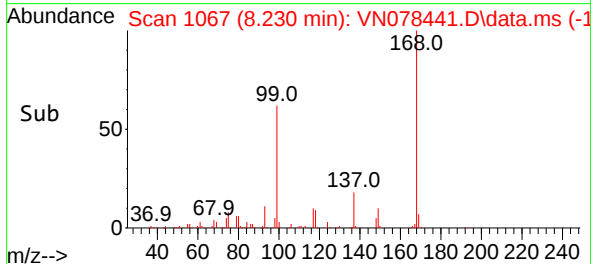
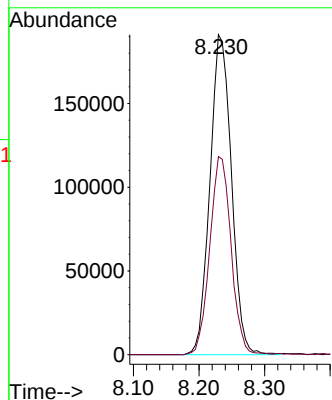
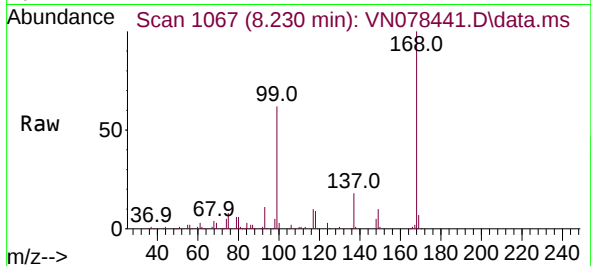




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1068  
Delta R.T. -0.005 min  
Lab File: VN078441.D  
Acq: 28 Jun 2023 15:06

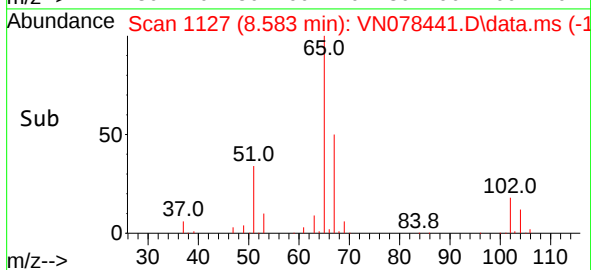
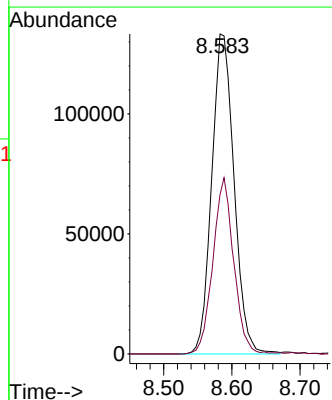
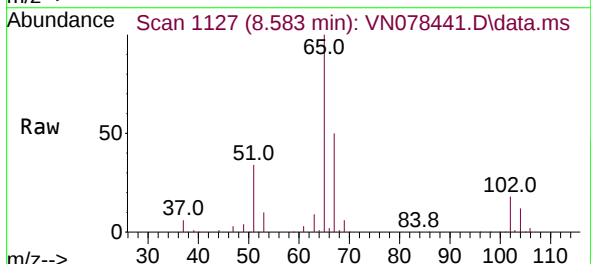
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

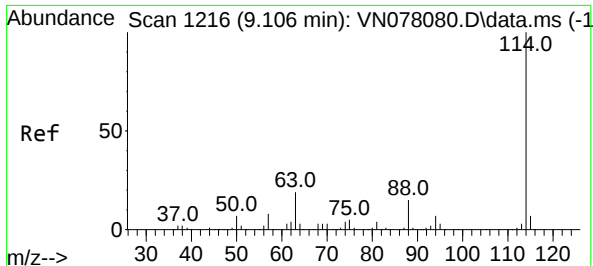
Tgt Ion:168 Resp: 435551  
Ion Ratio Lower Upper  
168 100  
99 61.9 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 52.367 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN078441.D  
Acq: 28 Jun 2023 15:06

Tgt Ion: 65 Resp: 304105  
Ion Ratio Lower Upper  
65 100  
67 51.4 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: VN078441.D

Acq: 28 Jun 2023 15:06

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

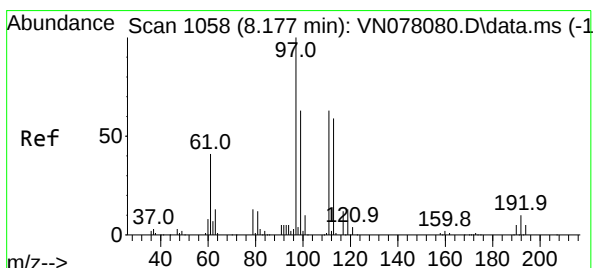
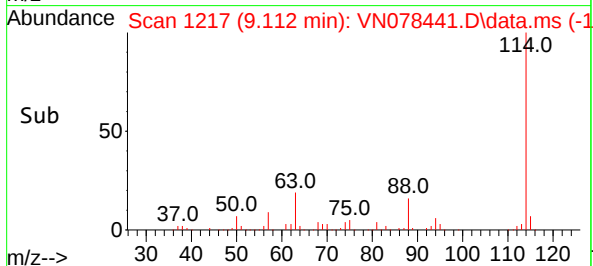
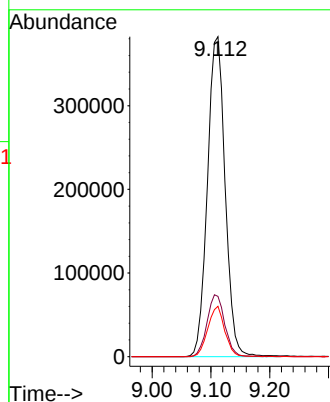
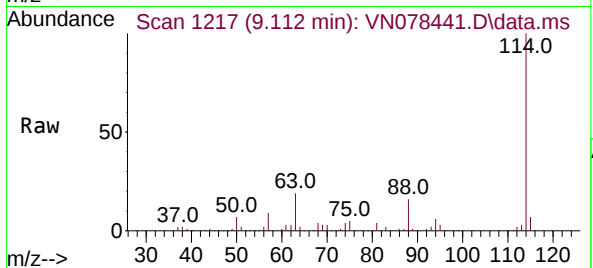
Tgt Ion:114 Resp: 799684

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.817 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078441.D

Acq: 28 Jun 2023 15:06

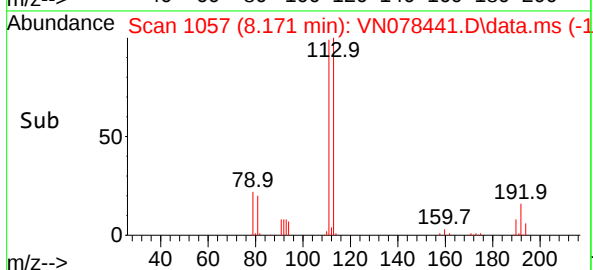
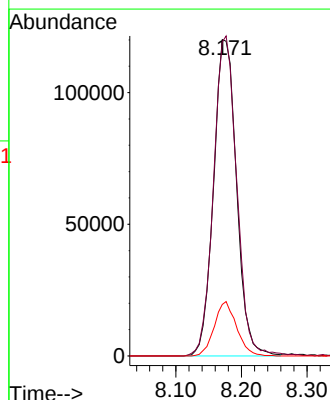
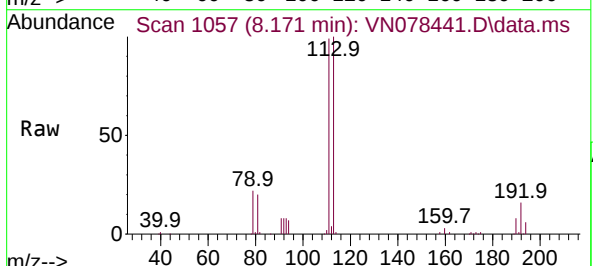
Tgt Ion:113 Resp: 292342

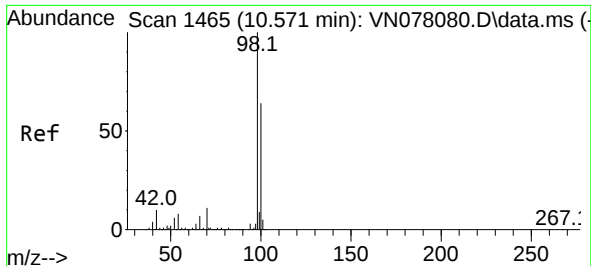
Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

192 16.7 12.7 19.1

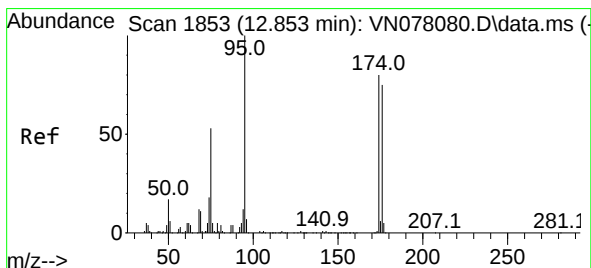
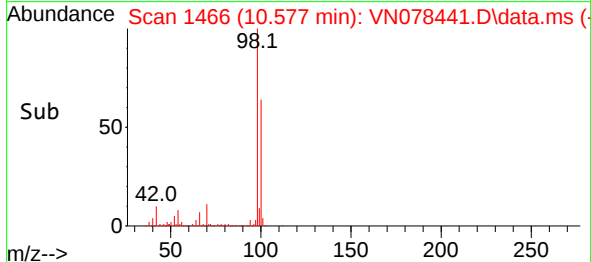
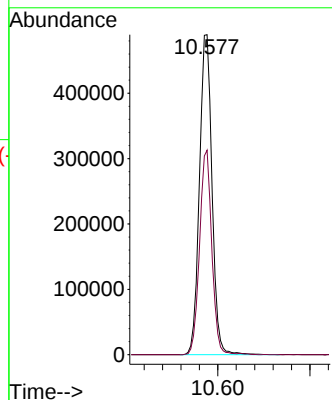
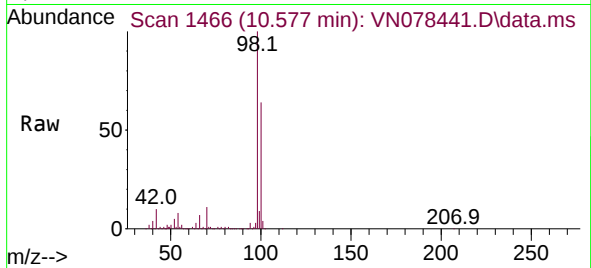




#50  
Toluene-d8  
Concen: 47.708 ug/l  
RT: 10.577 min Scan# 1466  
Delta R.T. 0.006 min  
Lab File: VN078441.D  
Acq: 28 Jun 2023 15:06

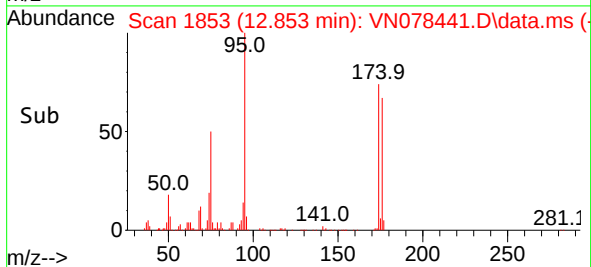
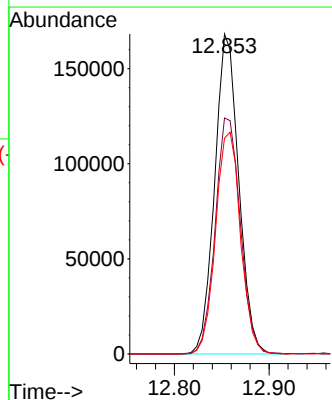
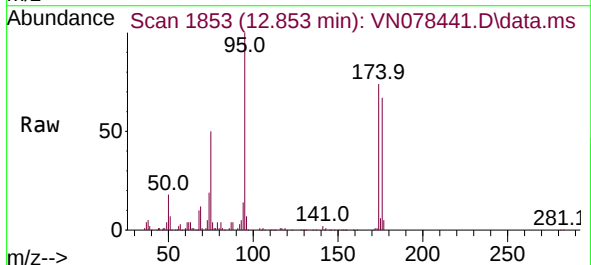
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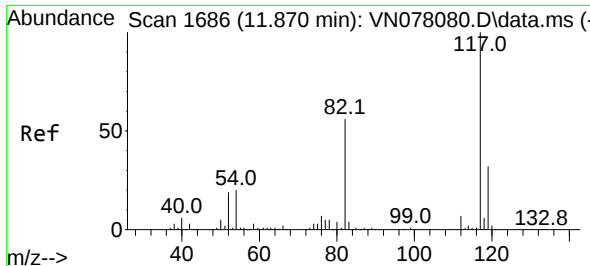
Tgt Ion: 98 Resp: 929959  
Ion Ratio Lower Upper  
98 100  
100 62.2 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 49.034 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN078441.D  
Acq: 28 Jun 2023 15:06

Tgt Ion: 95 Resp: 297135  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 143.8  
176 71.8 0.0 135.8

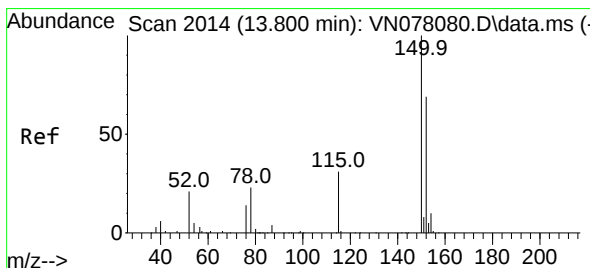
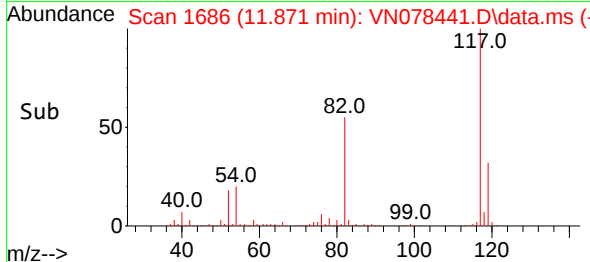
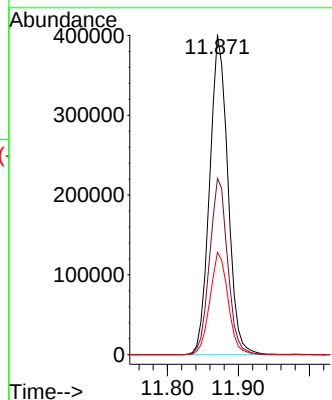
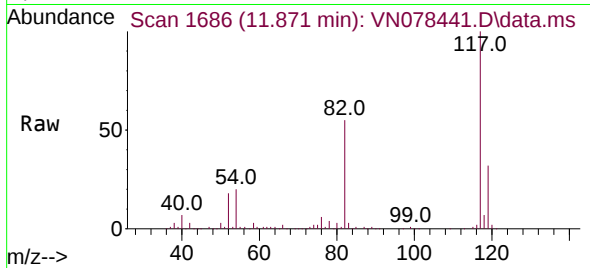




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078441.D  
Acq: 28 Jun 2023 15:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion:117 Resp: 713356  
Ion Ratio Lower Upper  
117 100  
82 55.1 44.0 66.0  
119 32.0 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: VN078441.D  
Acq: 28 Jun 2023 15:06

Tgt Ion:152 Resp: 225012  
Ion Ratio Lower Upper  
152 100  
115 59.9 32.3 96.8  
150 154.6 0.0 355.8

