

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060723\  
 Data File : VN078107.D  
 Acq On : 07 Jun 2023 16:39  
 Operator : JC\MD  
 Sample : 03074-09  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB

Quant Time: Jun 08 05:29:03 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  | 368301   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 669740   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 578500   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.800 | 152  | 172213   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 244886   | 49.869   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 99.740%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 215197   | 50.818   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.640% |
| 50) Toluene-d8              | 10.571 | 98    | 806793   | 49.420   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 98.840%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 230595   | 45.437   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 90.880%  |

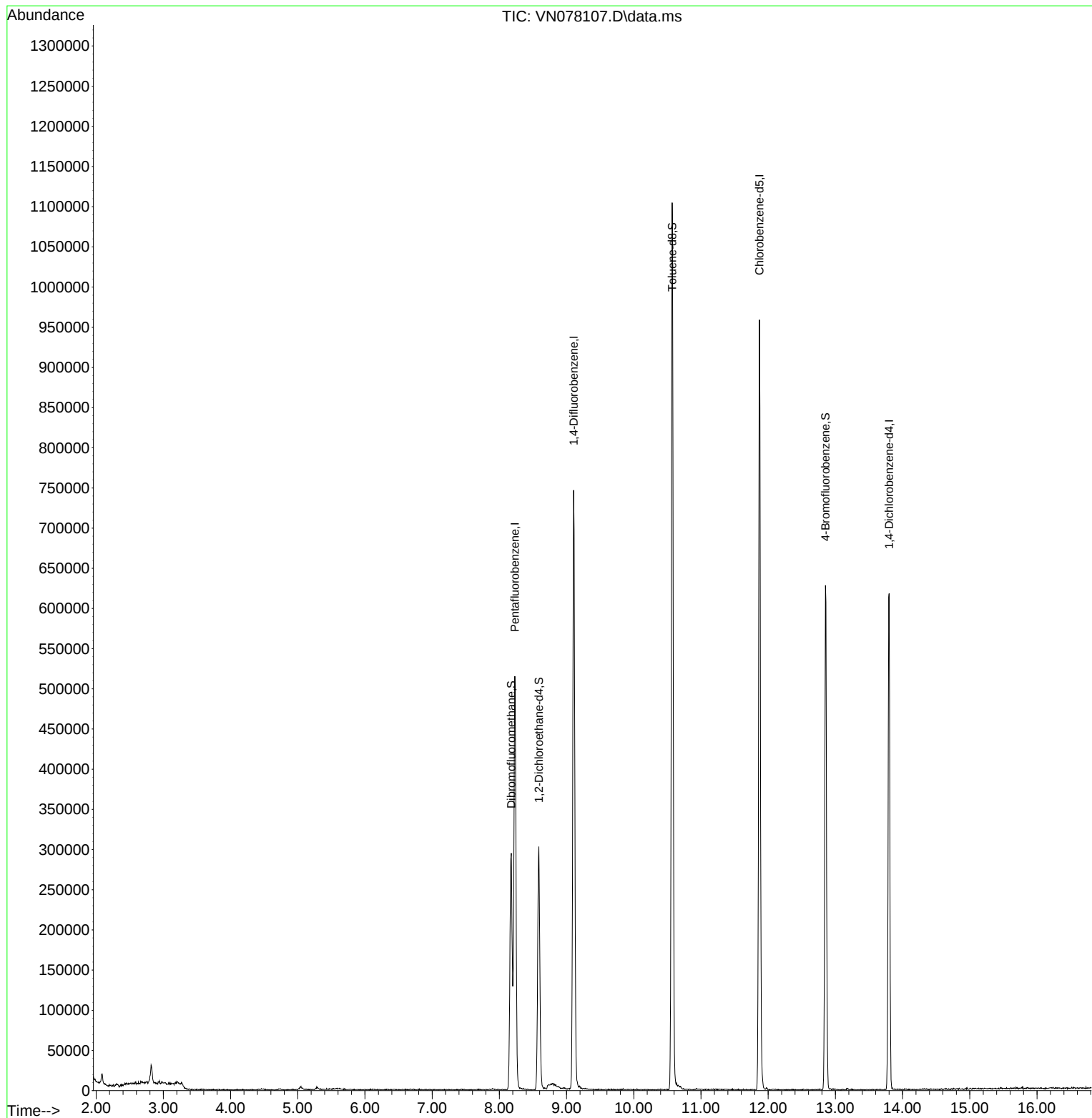
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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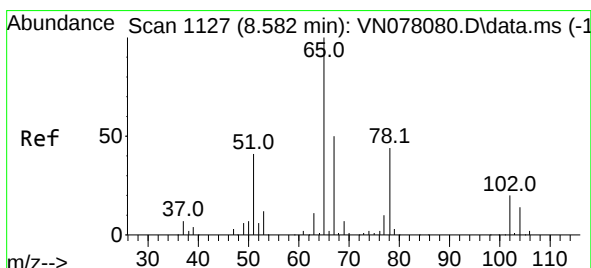
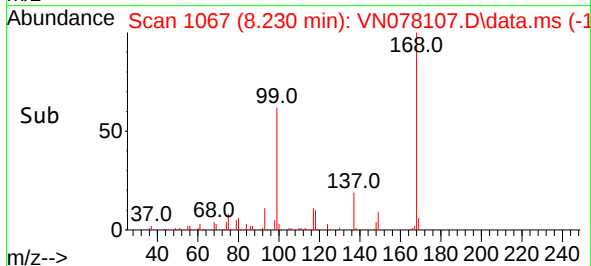
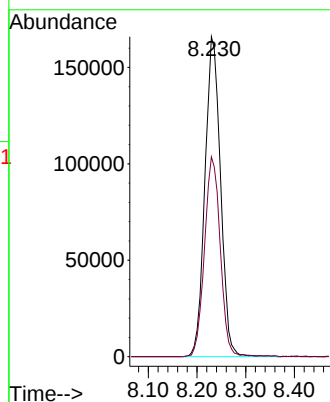
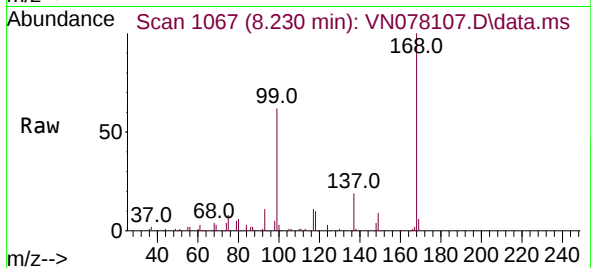




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1107  
Delta R.T. -0.005 min  
Lab File: VN078107.D  
Acq: 07 Jun 2023 16:39

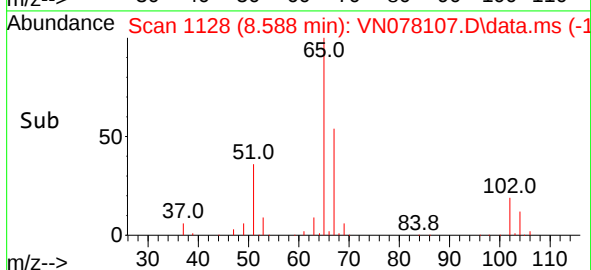
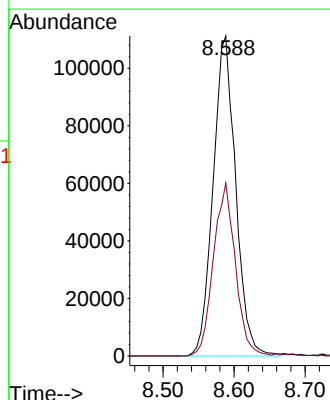
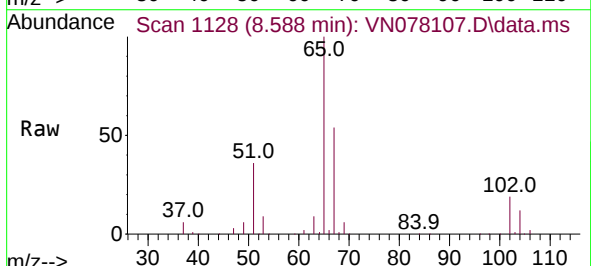
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

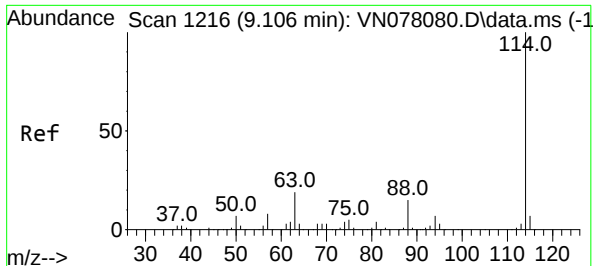
Tgt Ion:168 Resp: 368301  
Ion Ratio Lower Upper  
168 100  
99 62.4 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 49.869 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VN078107.D  
Acq: 07 Jun 2023 16:39

Tgt Ion: 65 Resp: 244886  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078107.D

Acq: 07 Jun 2023 16:39

Instrument :

MSVOA\_N

ClientSampleId :

TB

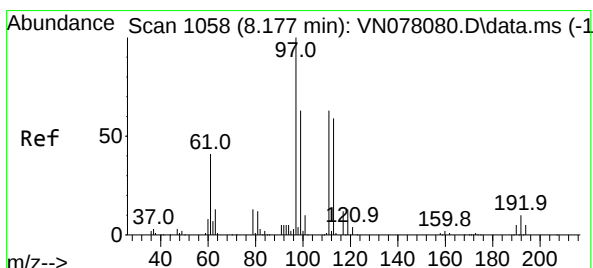
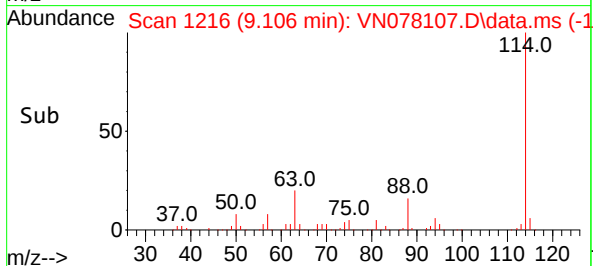
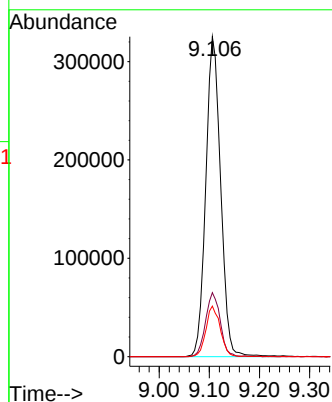
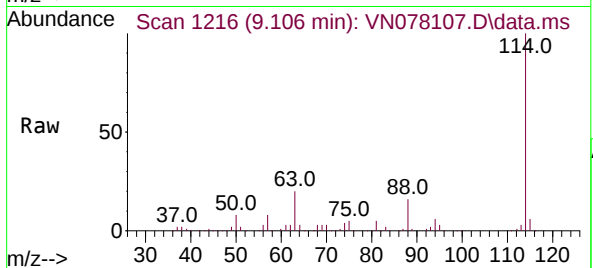
Tgt Ion:114 Resp: 669740

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.818 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078107.D

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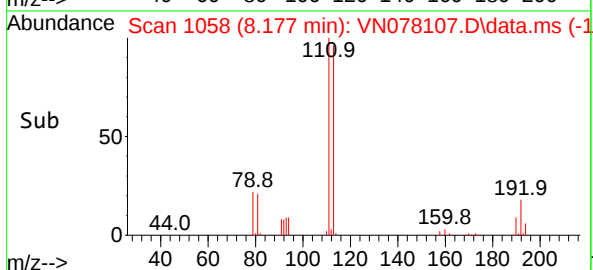
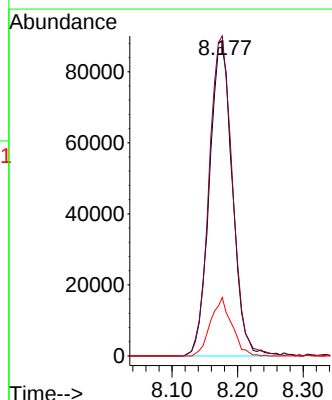
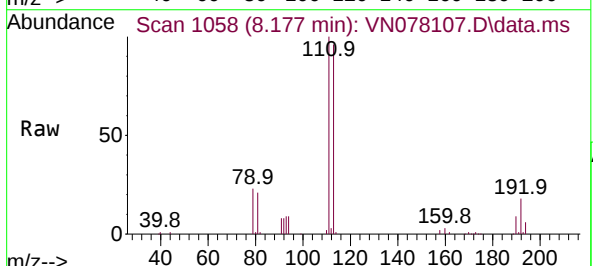
Tgt Ion:113 Resp: 215197

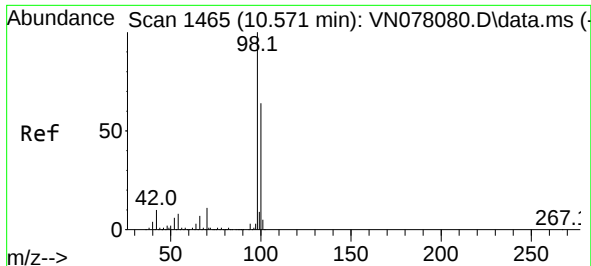
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 17.2 12.7 19.1

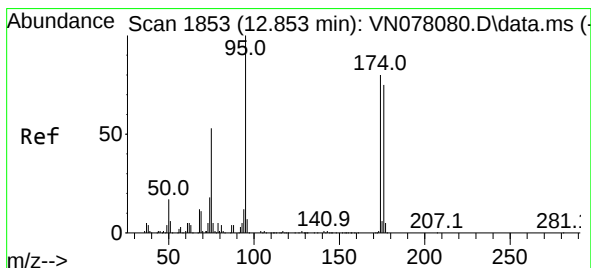
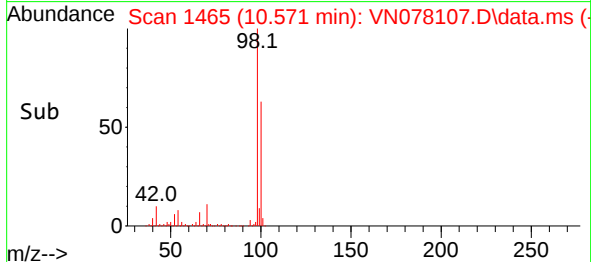
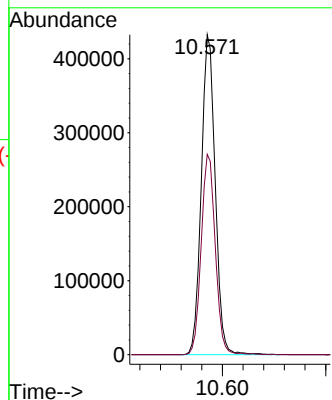
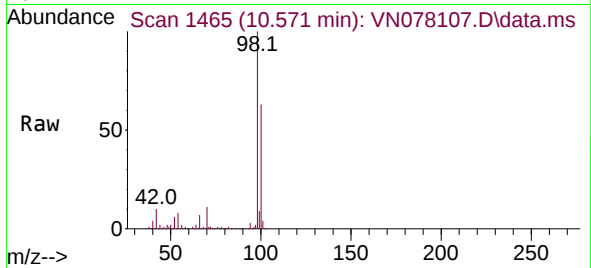




#50  
Toluene-d8  
Concen: 49.420 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN078107.D  
Acq: 07 Jun 2023 16:39

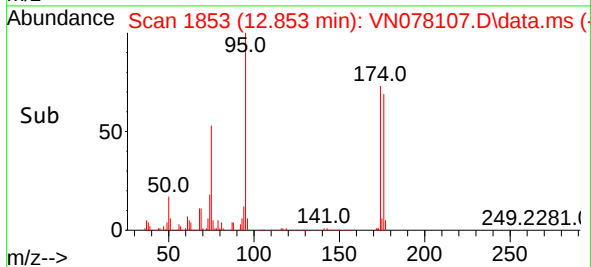
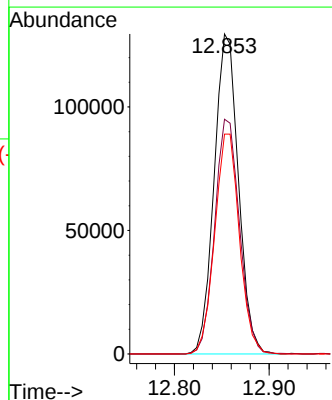
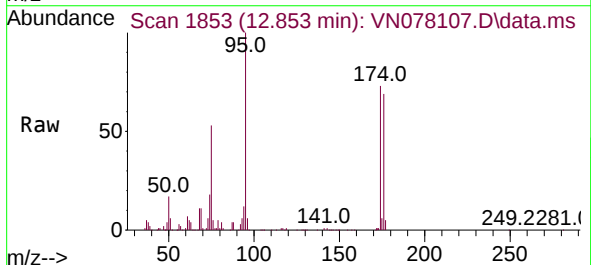
Instrument :  
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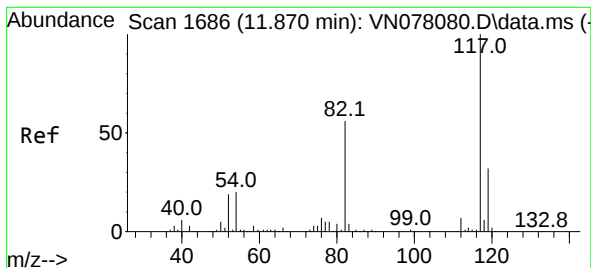
Tgt Ion: 98 Resp: 806793  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 45.437 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN078107.D  
Acq: 07 Jun 2023 16:39

Tgt Ion: 95 Resp: 230595  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 143.8  
176 69.9 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: VN078107.D

Acq: 07 Jun 2023 16:39

Instrument :

MSVOA\_N

ClientSampleId :

TB

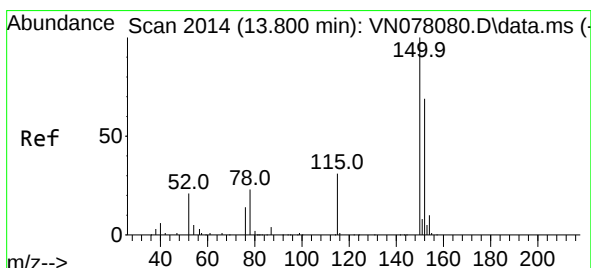
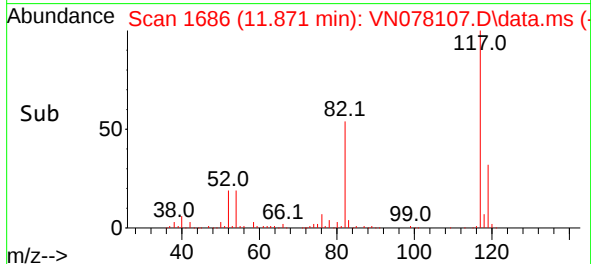
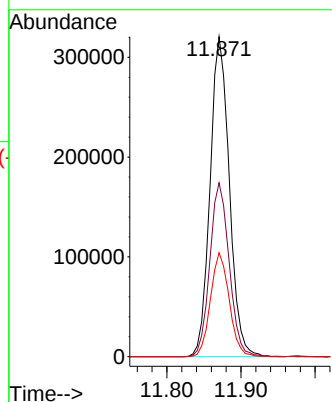
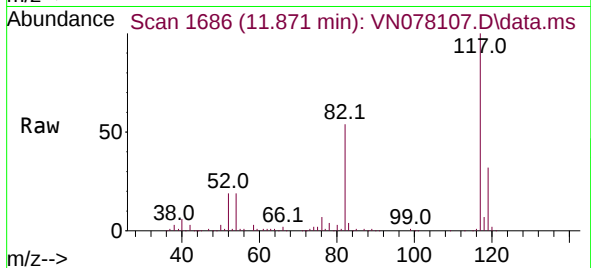
Tgt Ion:117 Resp: 578500

Ion Ratio Lower Upper

117 100

82 54.4 44.0 66.0

119 32.5 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: VN078107.D

Acq: 07 Jun 2023 16:39

Tgt Ion:152 Resp: 172213

Ion Ratio Lower Upper

152 100

115 61.9 32.3 96.8

150 155.8 0.0 355.8

