

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052423\  
 Data File : VN077852.D  
 Acq On : 24 May 2023 15:07  
 Operator : JC\MD  
 Sample : 02910-07  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RB-02-20230523

Quant Time: May 25 01:42:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 410351   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 734702   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 636412   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.800 | 152  | 198618   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 269112   | 43.830   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 87.660% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 234414   | 48.929   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.860% |
| 50) Toluene-d8              | 10.571 | 98    | 901031   | 48.861   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 97.720% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 283840   | 43.582   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 87.160% |

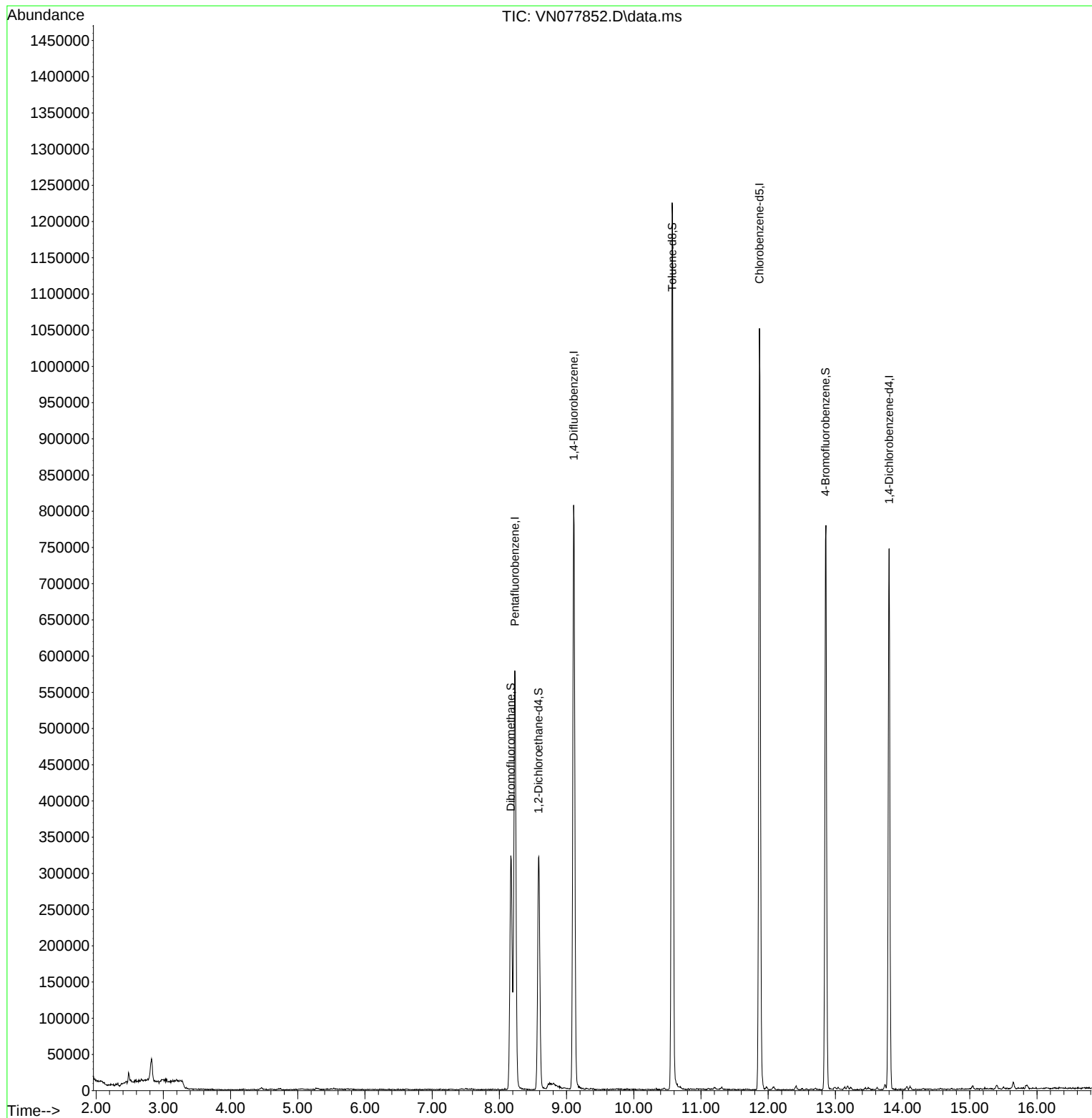
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

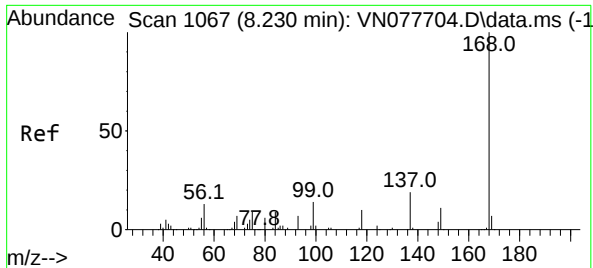
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

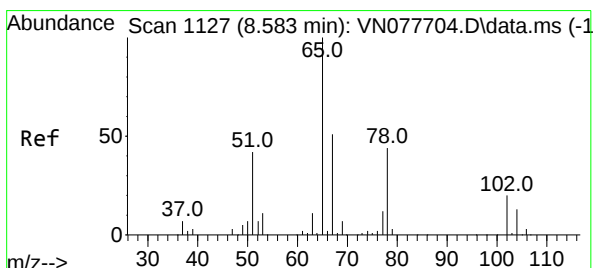
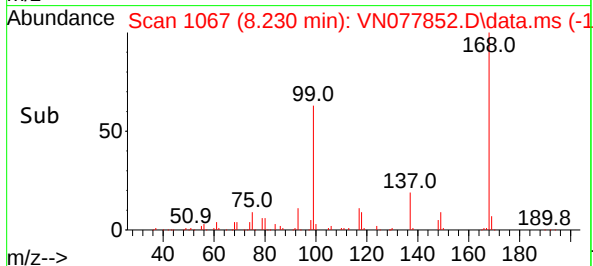
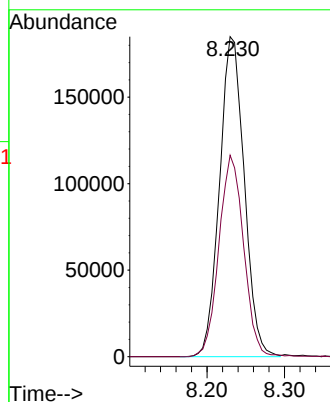
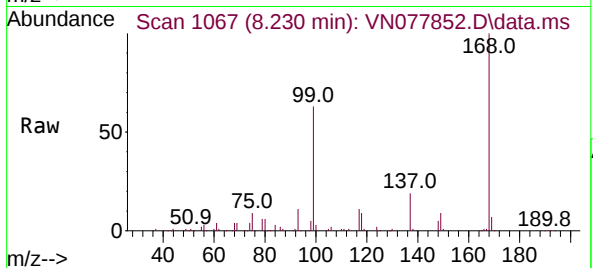




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN077852.D  
Acq: 24 May 2023 15:07

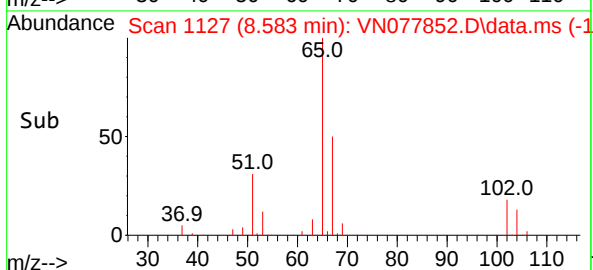
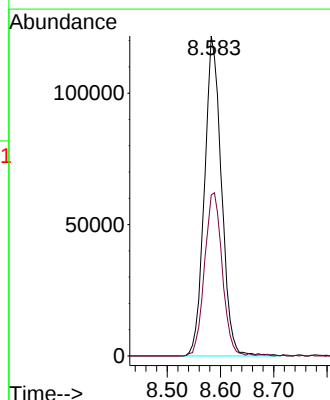
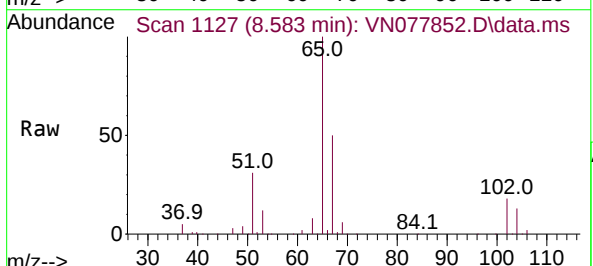
Instrument :  
MSVOA\_N  
ClientSampleId :  
RB-02-20230523

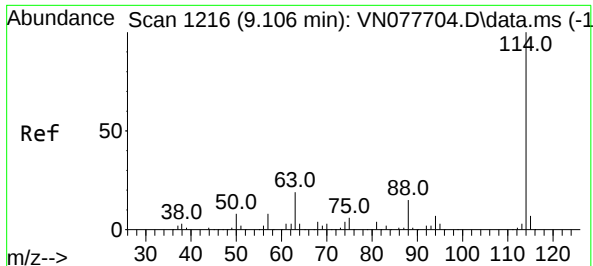
Tgt Ion:168 Resp: 410351  
Ion Ratio Lower Upper  
168 100  
99 62.9 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 43.830 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.001 min  
Lab File: VN077852.D  
Acq: 24 May 2023 15:07

Tgt Ion: 65 Resp: 269112  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077852.D

Acq: 24 May 2023 15:07

Instrument :

MSVOA\_N

ClientSampleId :

RB-02-20230523

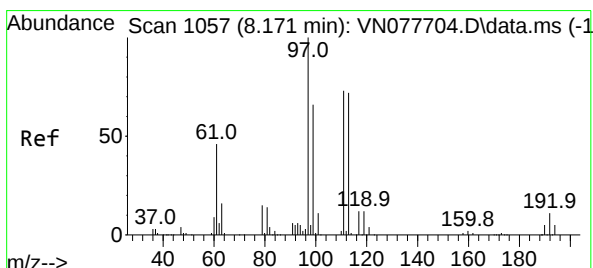
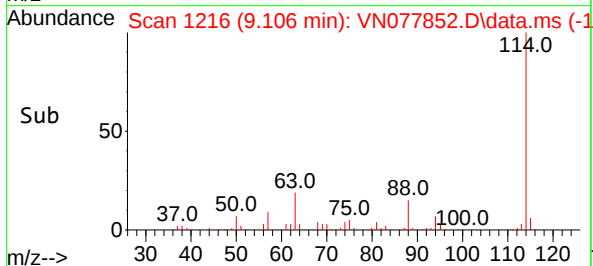
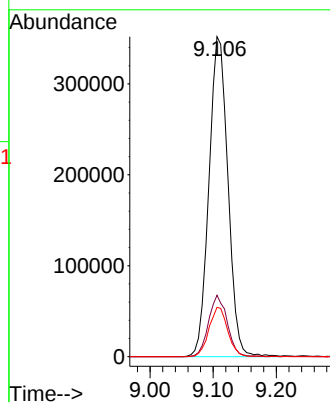
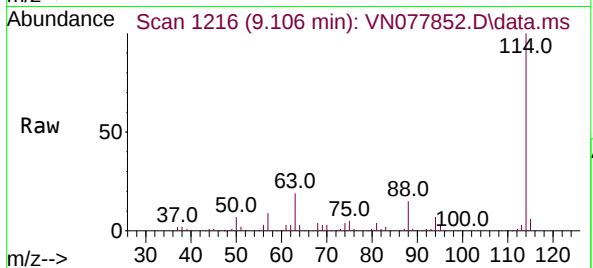
Tgt Ion:114 Resp: 734702

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.929 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077852.D

Acq: 24 May 2023 15:07

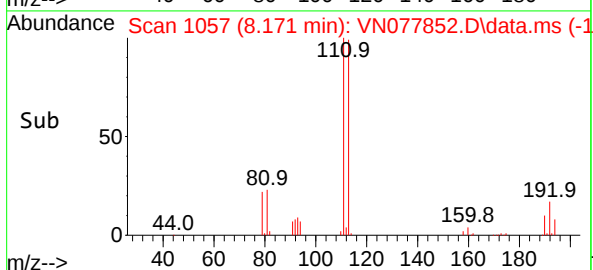
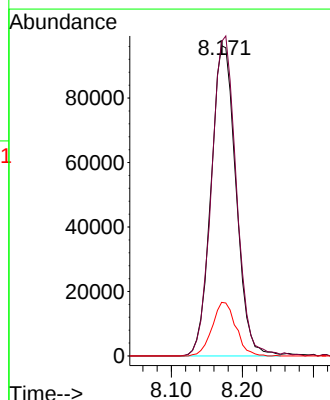
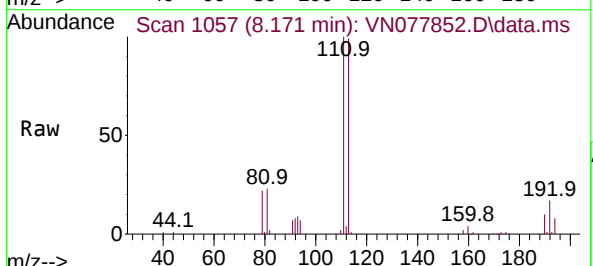
Tgt Ion:113 Resp: 234414

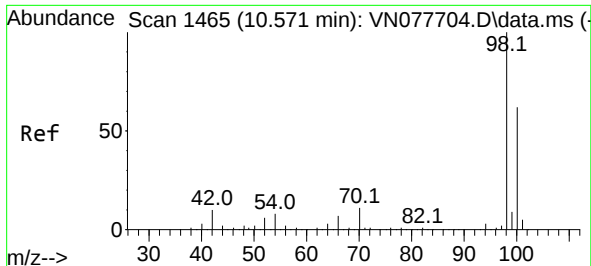
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 16.5 12.7 19.1

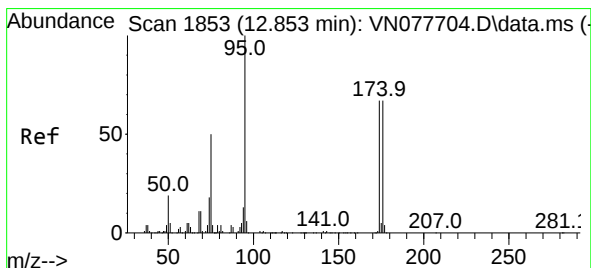
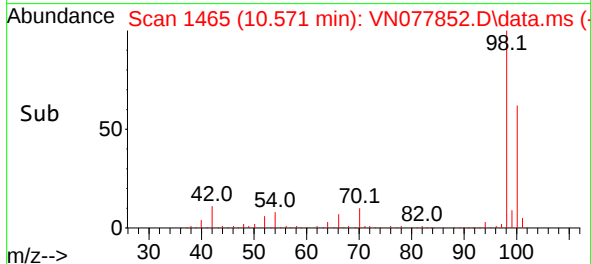
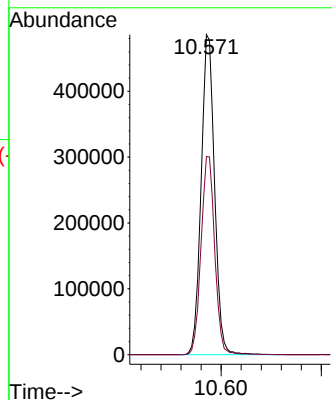
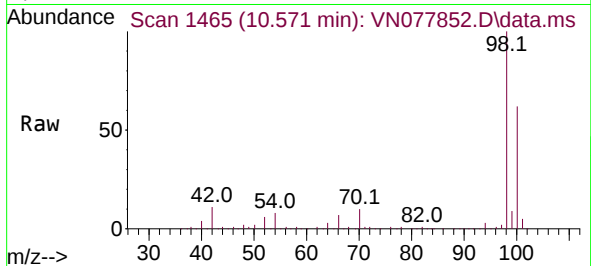




#50  
Toluene-d8  
Concen: 48.861 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN077852.D  
Acq: 24 May 2023 15:07

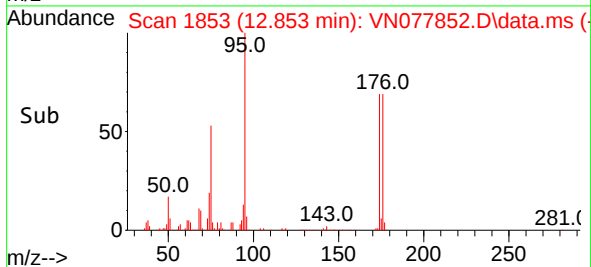
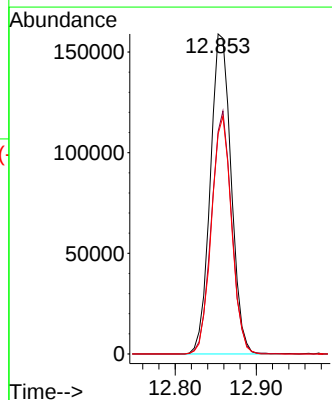
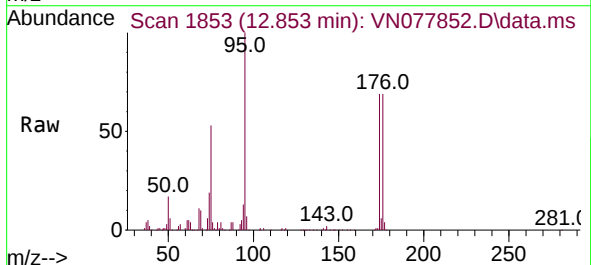
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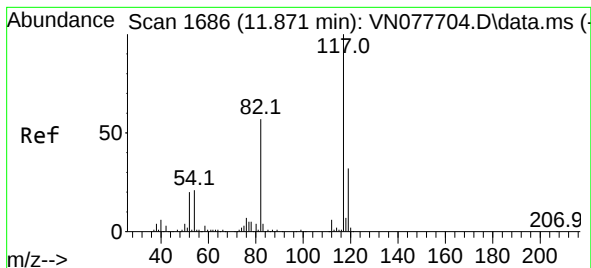
Tgt Ion: 98 Resp: 901031  
Ion Ratio Lower Upper  
98 100  
100 63.2 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 43.582 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN077852.D  
Acq: 24 May 2023 15:07

Tgt Ion: 95 Resp: 283840  
Ion Ratio Lower Upper  
95 100  
174 73.3 0.0 143.8  
176 71.6 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN077852.D

Acq: 24 May 2023 15:07

Instrument :

MSVOA\_N

ClientSampleId :

RB-02-20230523

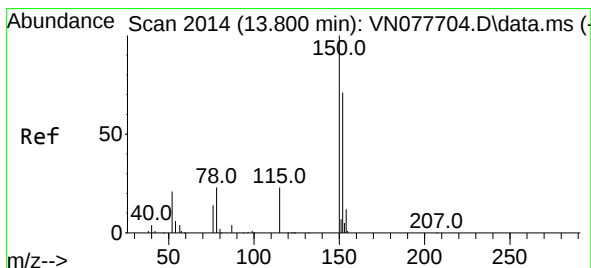
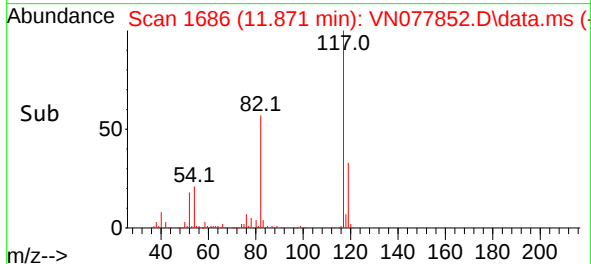
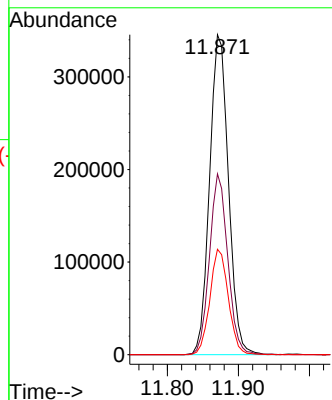
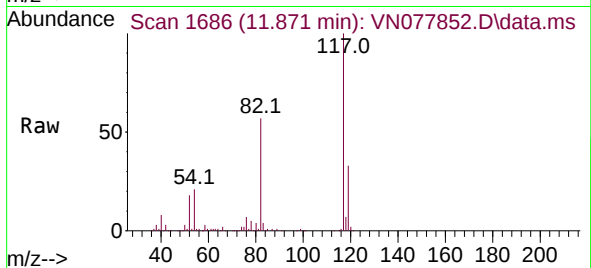
Tgt Ion:117 Resp: 636412

Ion Ratio Lower Upper

117 100

82 56.5 44.0 66.0

119 33.0 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: VN077852.D

Acq: 24 May 2023 15:07

Tgt Ion:152 Resp: 198618

Ion Ratio Lower Upper

152 100

115 65.7 32.3 96.8

150 158.8 0.0 355.8

