

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030723\  
 Data File : VN076870.D  
 Acq On : 07 Mar 2023 14:32  
 Operator : JC\MD  
 Sample : 01832-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-03-05-23

Quant Time: Mar 07 22:40:34 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 07 08:45:33 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.231  | 168  | 594363   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.107  | 114  | 1037636  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.866 | 117  | 885614   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 352420   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.584  | 65    | 397323   | 47.680   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 95.360% |
| 35) Dibromofluoromethane    | 8.178  | 113   | 311391   | 47.971   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 95.940% |
| 50) Toluene-d8              | 10.572 | 98    | 1228866  | 49.138   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 98.280% |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 405854   | 46.834   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 93.660% |

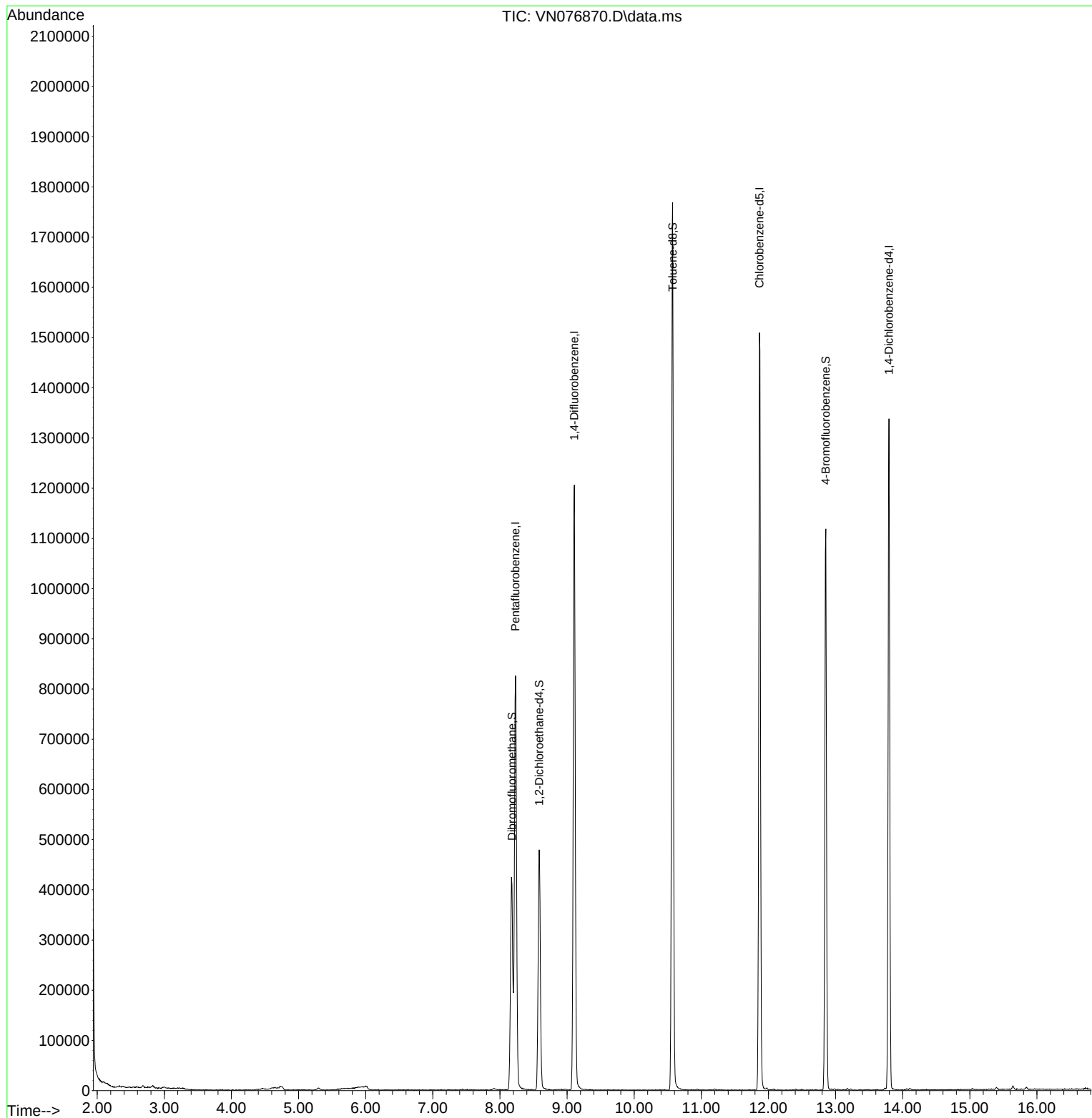
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

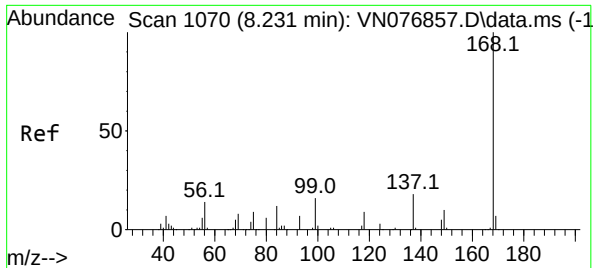
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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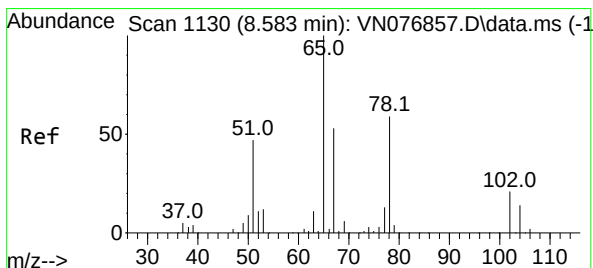
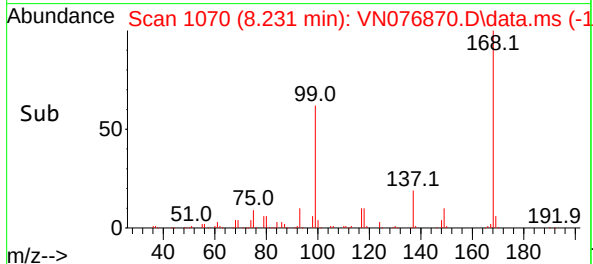
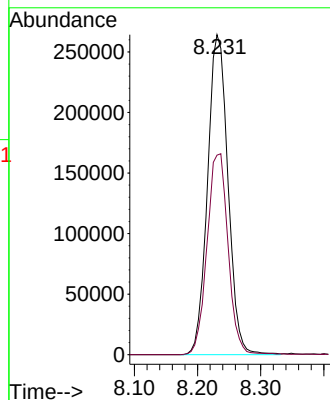
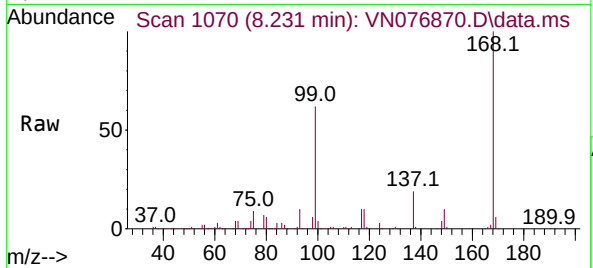




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.231 min Scan# 1107  
Delta R.T. -0.000 min  
Lab File: VN076870.D  
Acq: 07 Mar 2023 14:32

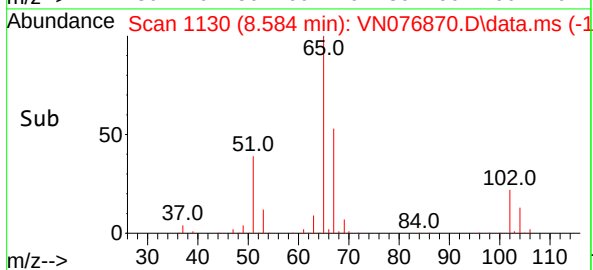
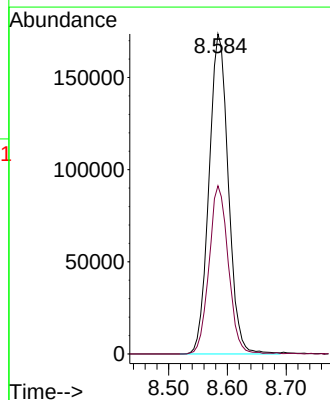
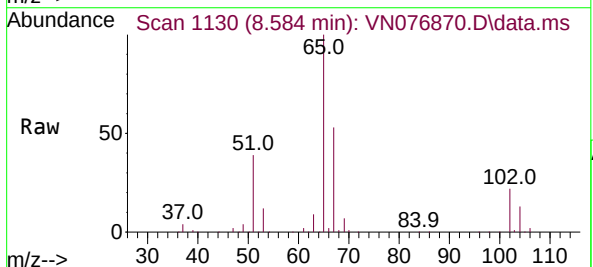
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-03-05-23

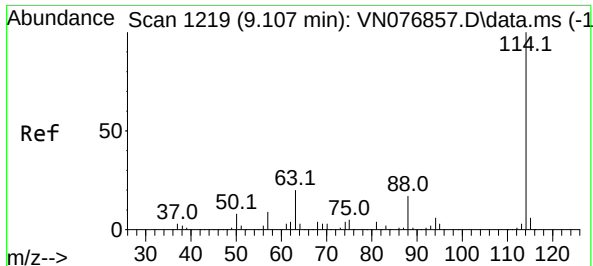
Tgt Ion:168 Resp: 594363  
Ion Ratio Lower Upper  
168 100  
99 62.3 48.6 73.0



#33  
1,2-Dichloroethane-d4  
Concen: 47.680 ug/l  
RT: 8.584 min Scan# 1130  
Delta R.T. 0.001 min  
Lab File: VN076870.D  
Acq: 07 Mar 2023 14:32

Tgt Ion: 65 Resp: 397323  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076870.D

Acq: 07 Mar 2023 14:32

Instrument :

MSVOA\_N

ClientSampleId :

TB-03-05-23

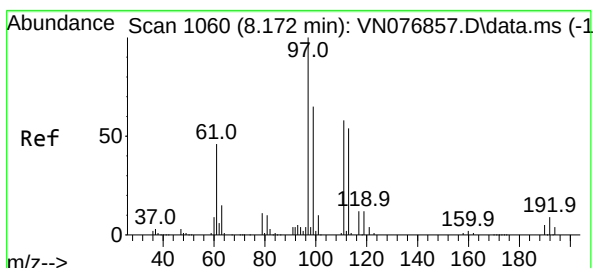
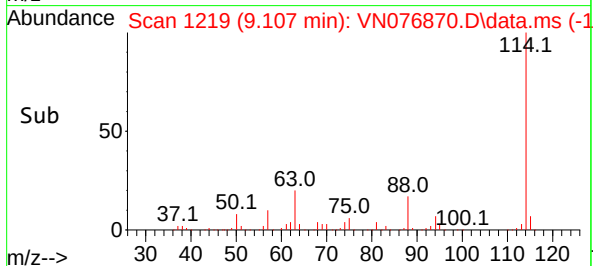
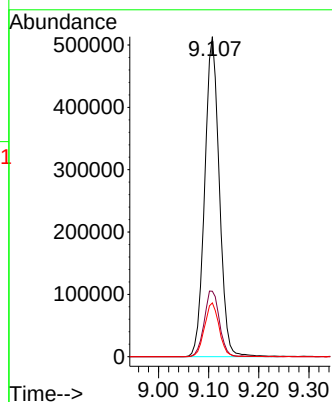
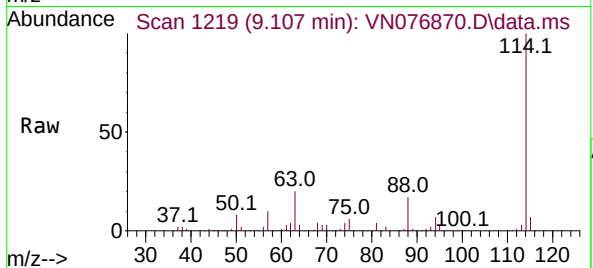
Tgt Ion:114 Resp: 1037636

Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.6

88 16.8 0.0 28.6



#35

Dibromofluoromethane

Concen: 47.971 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN076870.D

Acq: 07 Mar 2023 14:32

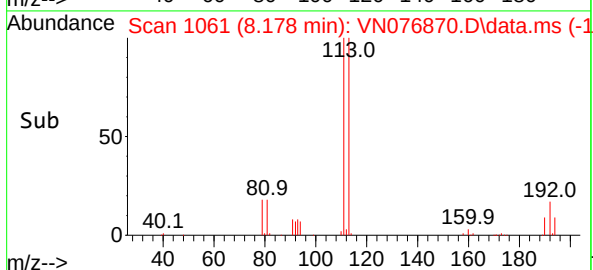
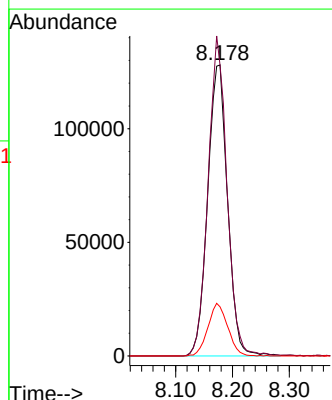
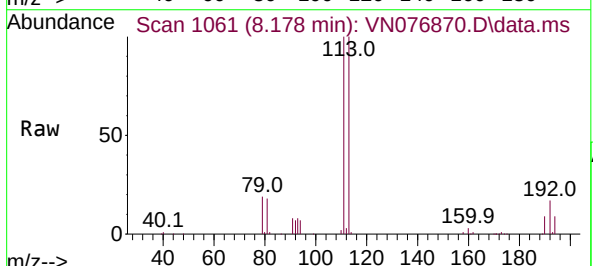
Tgt Ion:113 Resp: 311391

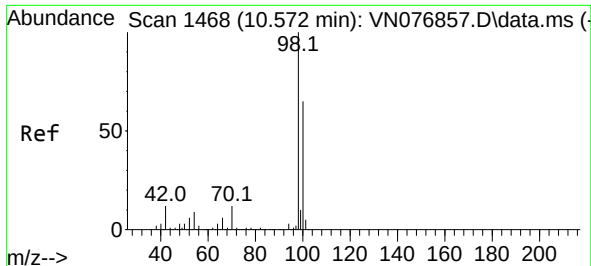
Ion Ratio Lower Upper

113 100

111 104.2 81.8 122.8

192 18.0 13.9 20.9

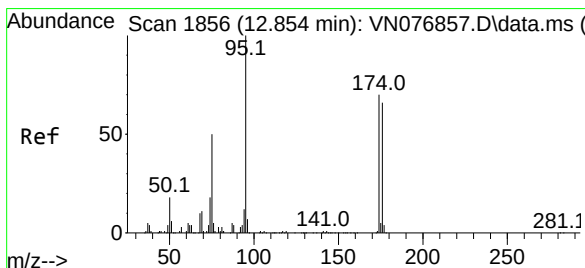
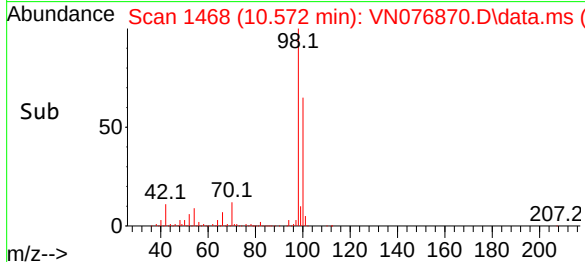
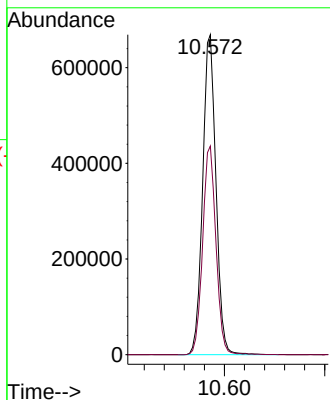
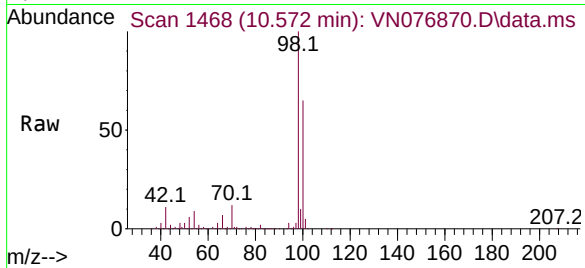




#50  
Toluene-d8  
Concen: 49.138 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VN076870.D  
Acq: 07 Mar 2023 14:32

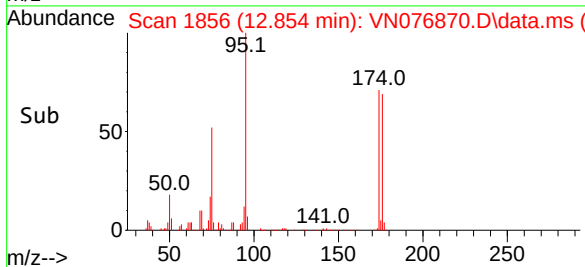
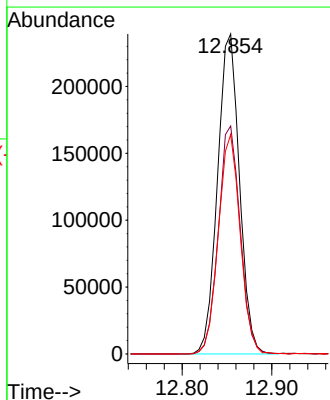
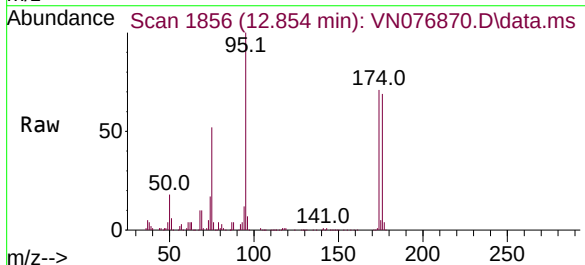
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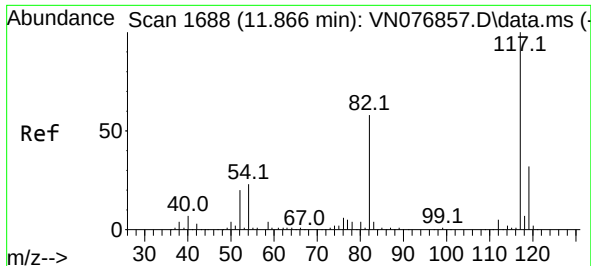
Tgt Ion: 98 Resp: 1228866  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 46.834 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.000 min  
Lab File: VN076870.D  
Acq: 07 Mar 2023 14:32

Tgt Ion: 95 Resp: 405854  
Ion Ratio Lower Upper  
95 100  
174 71.0 0.0 162.4  
176 68.2 0.0 157.4

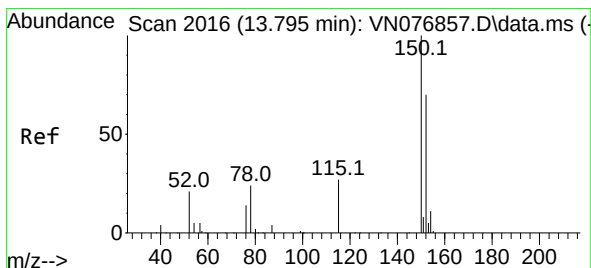
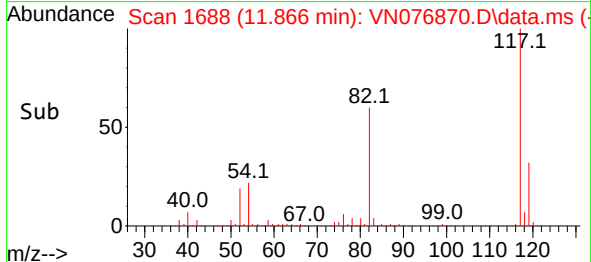
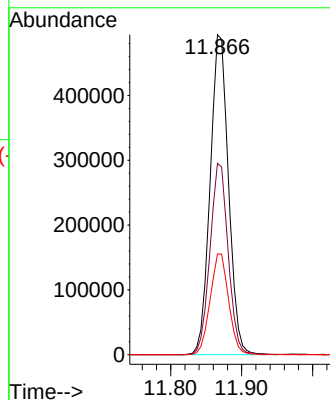
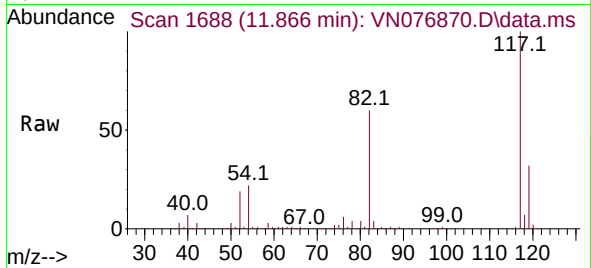




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN076870.D  
Acq: 07 Mar 2023 14:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-03-05-23

Tgt Ion:117 Resp: 885614  
Ion Ratio Lower Upper  
117 100  
82 59.8 43.5 65.3  
119 31.5 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VN076870.D  
Acq: 07 Mar 2023 14:32

Tgt Ion:152 Resp: 352420  
Ion Ratio Lower Upper  
152 100  
115 62.9 30.3 90.9  
150 155.4 0.0 353.6

