

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030723\  
 Data File : VN076869.D  
 Acq On : 07 Mar 2023 14:07  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Mar 07 22:40:23 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  | 520951   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.107  | 114  | 915733   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.866 | 117  | 785972   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 311443   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 355270   | 48.641   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 97.280% |
| 35) Dibromofluoromethane    | 8.172  | 113   | 272808   | 47.622   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 95.240% |
| 50) Toluene-d8              | 10.572 | 98    | 1092695  | 49.509   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 99.020% |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 358900   | 46.929   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 93.860% |

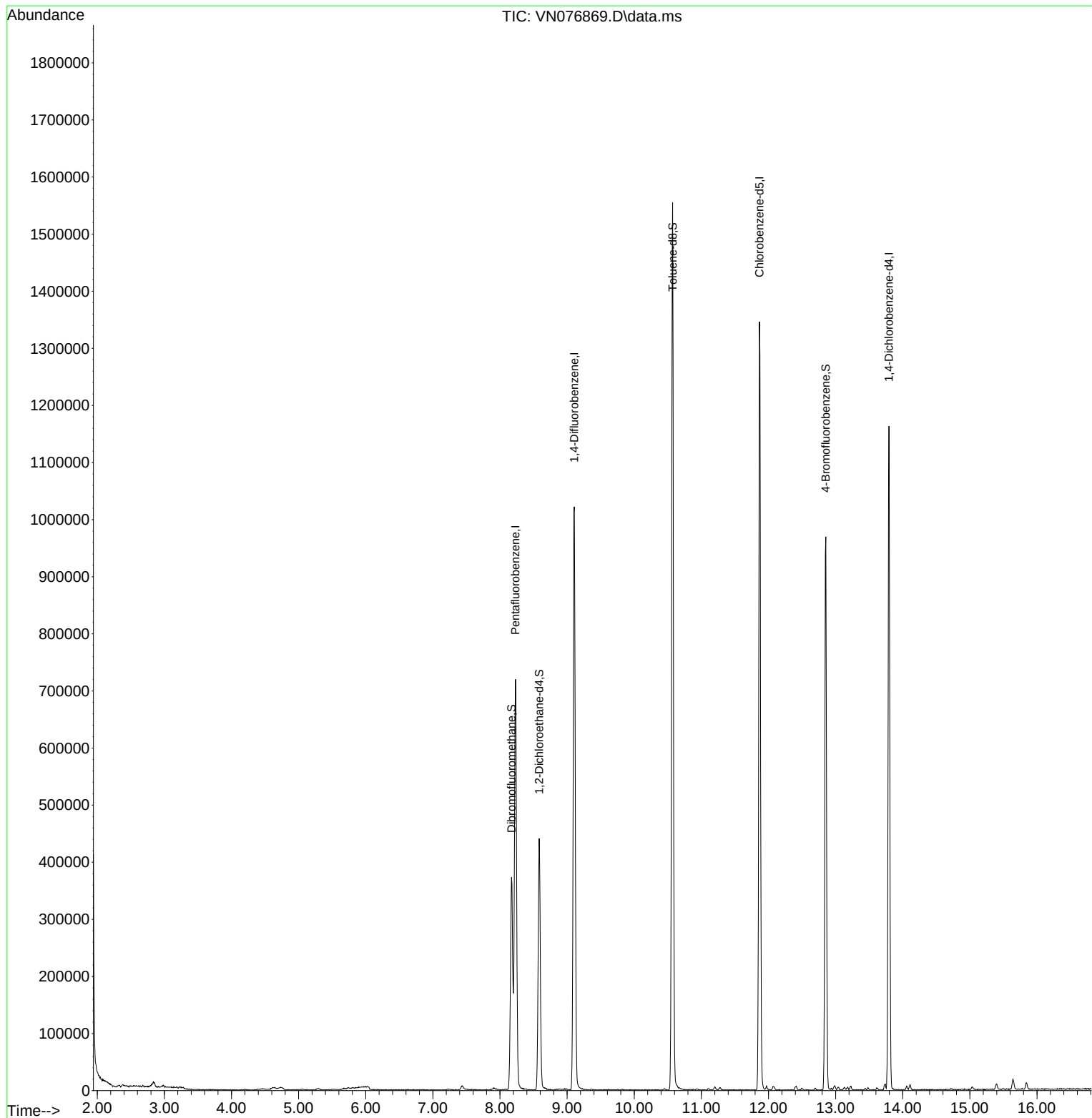
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

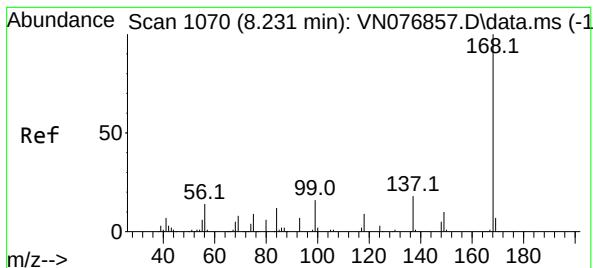
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030723\  
Data File : VN076869.D  
Acq On : 07 Mar 2023 14:07  
Operator : JC\MD  
Sample : IBLK  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Quant Time: Mar 07 22:40:23 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 110

Delta R.T. -0.000 min

Lab File: VN076869.D

Acq: 07 Mar 2023 14:07

Instrument :

MSVOA\_N

ClientSampleId :

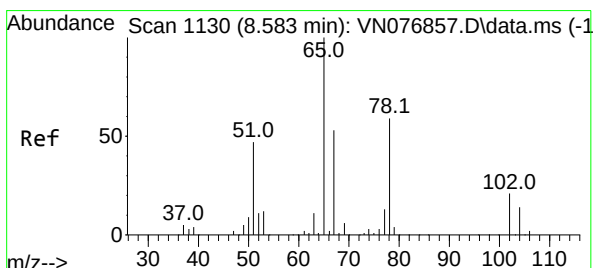
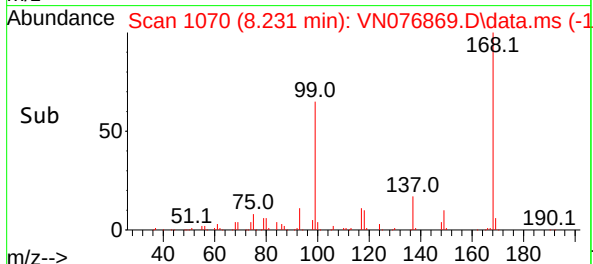
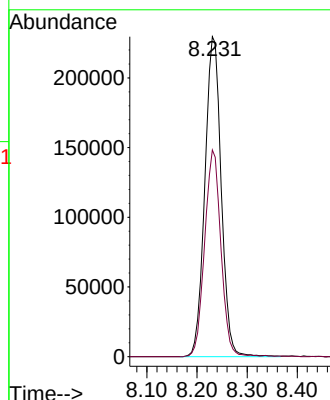
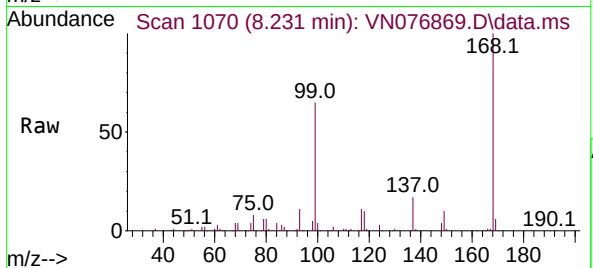
IBLK

Tgt Ion:168 Resp: 520951

Ion Ratio Lower Upper

168 100

99 64.6 48.6 73.0



#33

1,2-Dichloroethane-d4

Concen: 48.641 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN076869.D

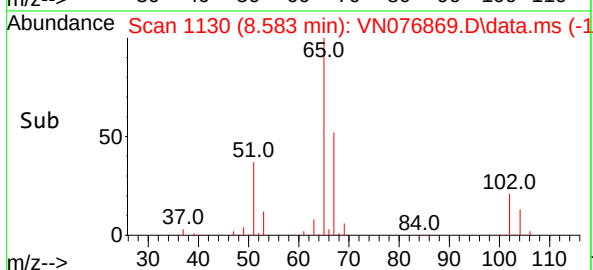
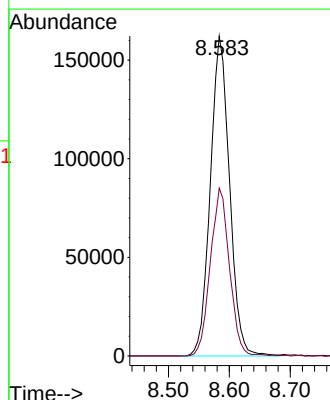
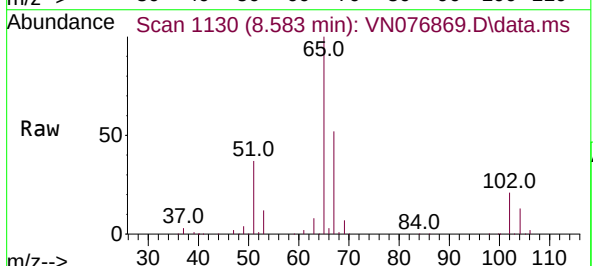
Acq: 07 Mar 2023 14:07

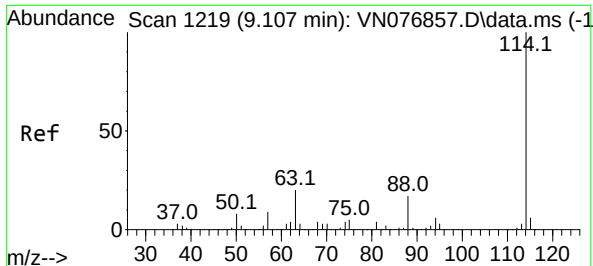
Tgt Ion: 65 Resp: 355270

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: VN076869.D

Acq: 07 Mar 2023 14:07

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

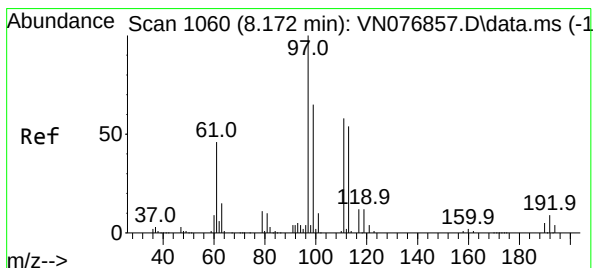
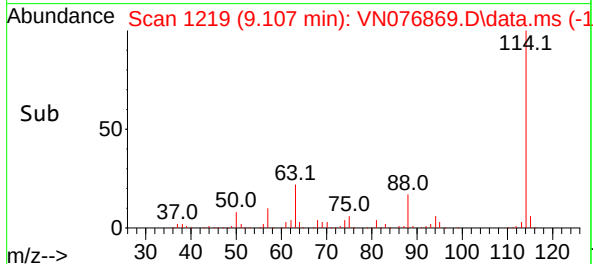
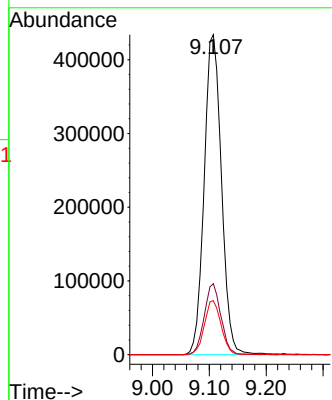
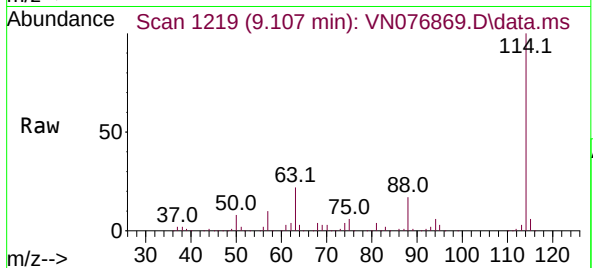
Tgt Ion:114 Resp: 915733

Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.6

88 16.9 0.0 28.6



#35

Dibromofluoromethane

Concen: 47.622 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076869.D

Acq: 07 Mar 2023 14:07

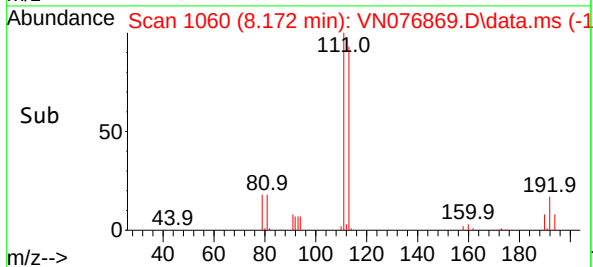
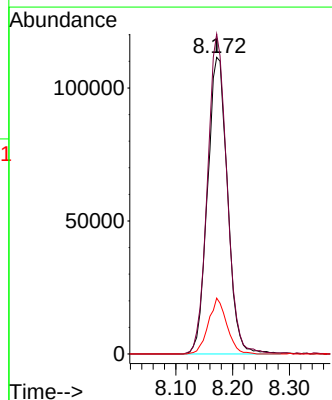
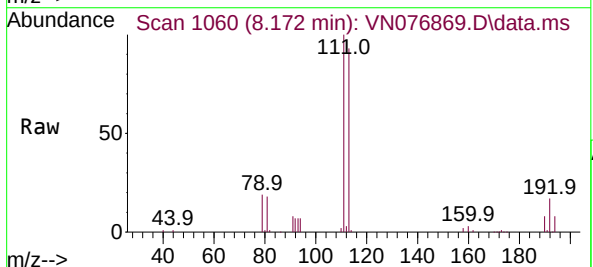
Tgt Ion:113 Resp: 272808

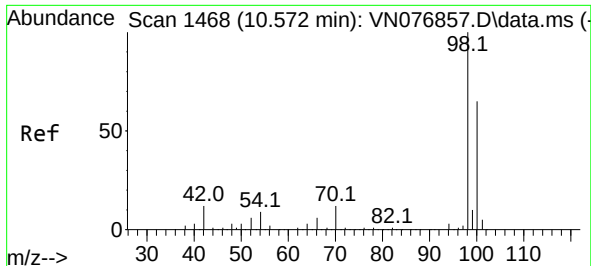
Ion Ratio Lower Upper

113 100

111 105.0 81.8 122.8

192 17.3 13.9 20.9

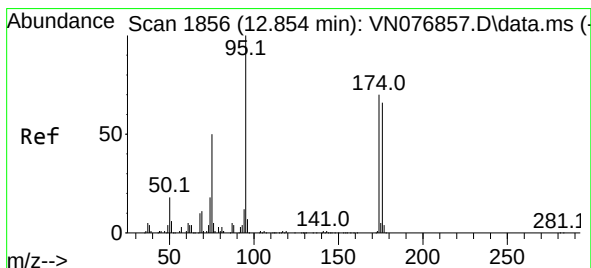
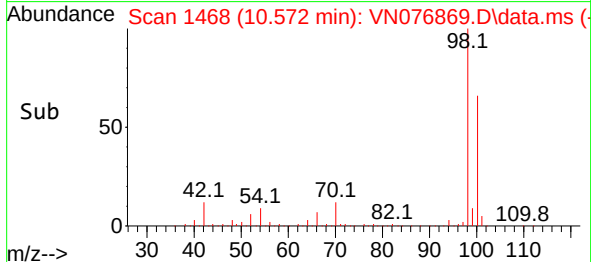
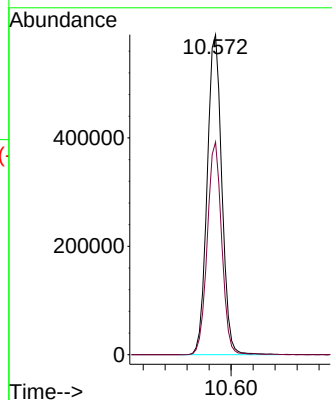
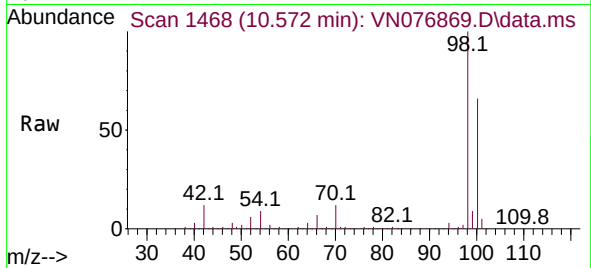




#50  
Toluene-d8  
Concen: 49.509 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VN076869.D  
Acq: 07 Mar 2023 14:07

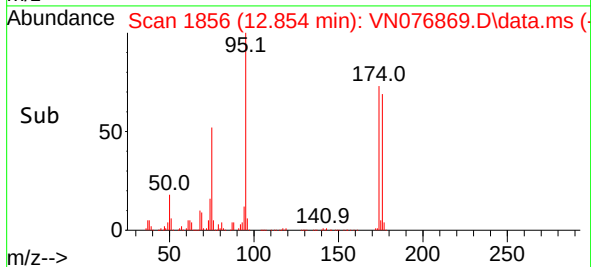
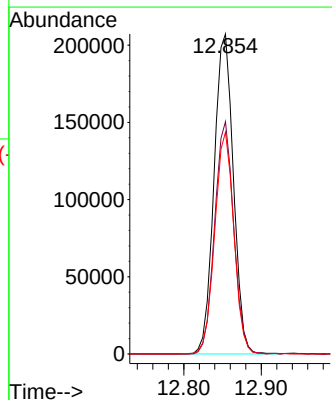
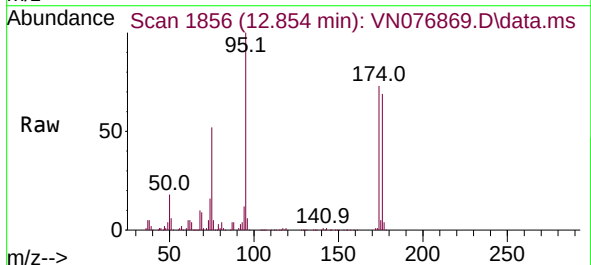
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

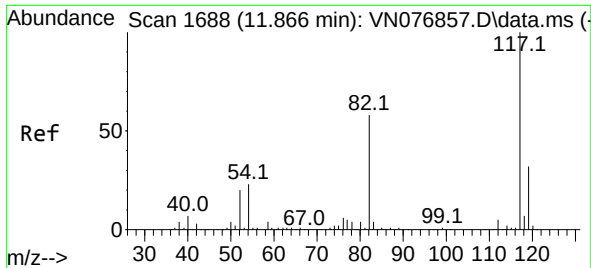
Tgt Ion: 98 Resp: 1092695  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 46.929 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. -0.000 min  
Lab File: VN076869.D  
Acq: 07 Mar 2023 14:07

Tgt Ion: 95 Resp: 358900  
Ion Ratio Lower Upper  
95 100  
174 71.7 0.0 162.4  
176 68.4 0.0 157.4

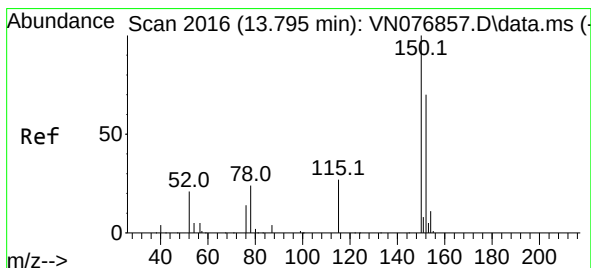
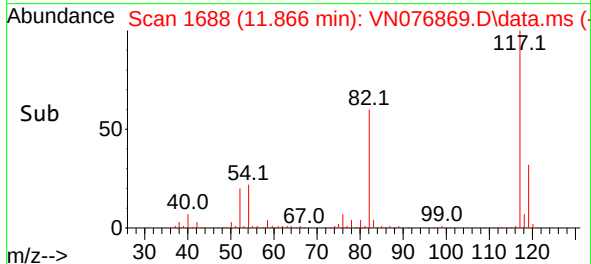
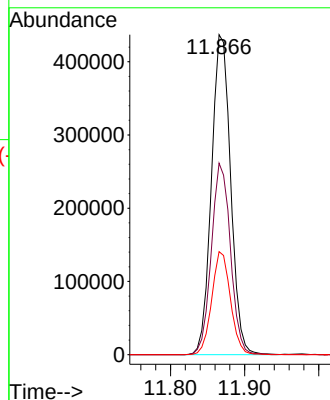
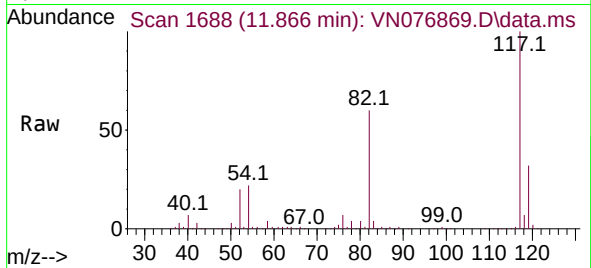




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN076869.D  
Acq: 07 Mar 2023 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion:117 Resp: 785972  
Ion Ratio Lower Upper  
117 100  
82 59.8 43.5 65.3  
119 32.2 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: VN076869.D  
Acq: 07 Mar 2023 14:07

Tgt Ion:152 Resp: 311443  
Ion Ratio Lower Upper  
152 100  
115 63.1 30.3 90.9  
150 154.5 0.0 353.6

