

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031023\  
 Data File : VN076941.D  
 Acq On : 10 Mar 2023 22:03  
 Operator : JC\MD  
 Sample : 01870-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 UPS-01

Quant Time: Mar 13 01:25:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 10 13:47:39 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.231  | 168  | 356141   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.107  | 114  | 591819   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.866 | 117  | 513028   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 218663   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 257390   | 48.431   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 96.860% |
| 35) Dibromofluoromethane    | 8.172  | 113   | 184235   | 46.709   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 93.420% |
| 50) Toluene-d8              | 10.572 | 98    | 696924   | 47.943   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 95.880% |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 250178   | 47.052   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 94.100% |

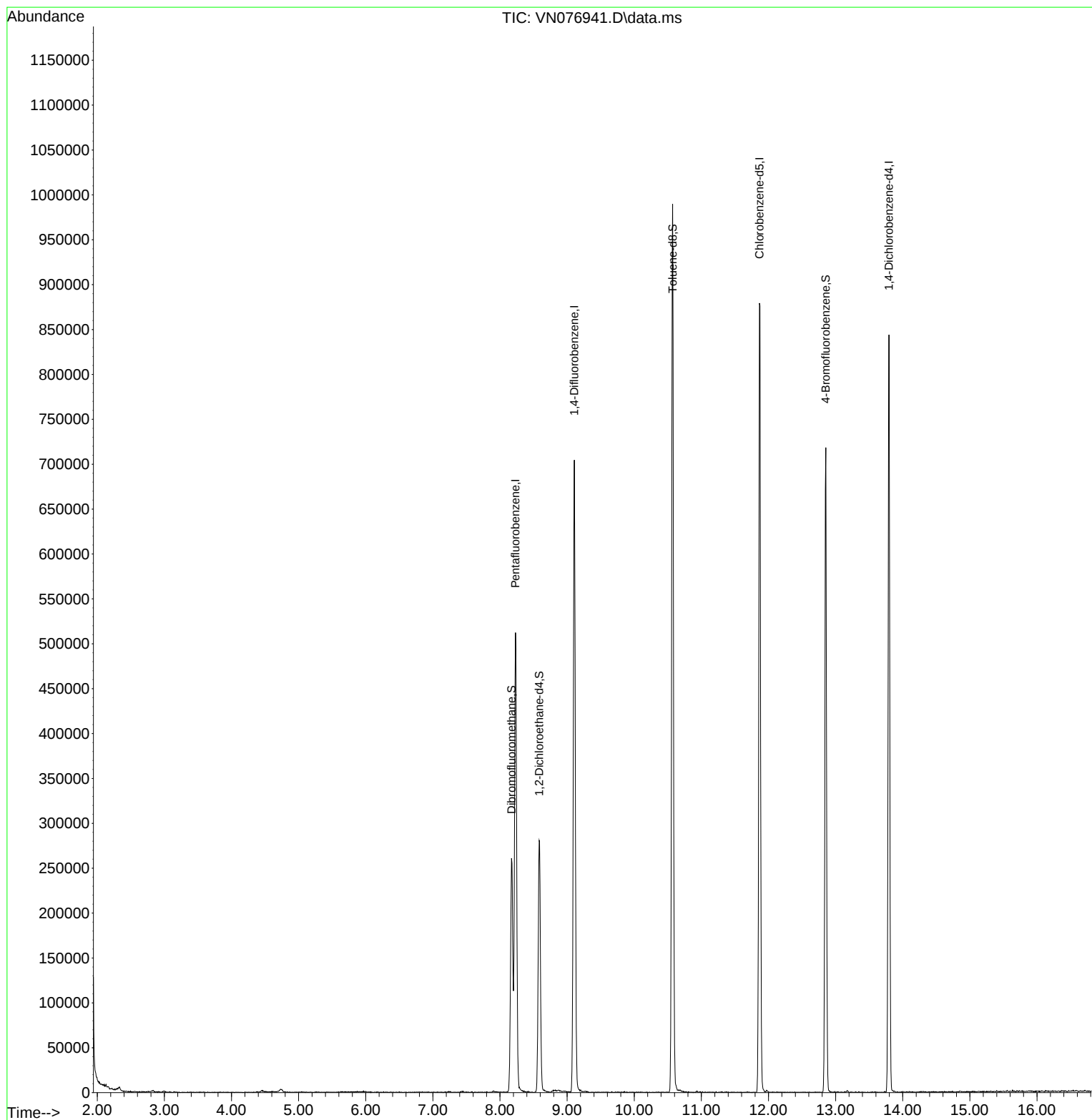
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

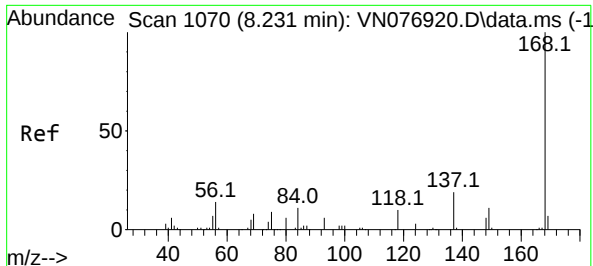
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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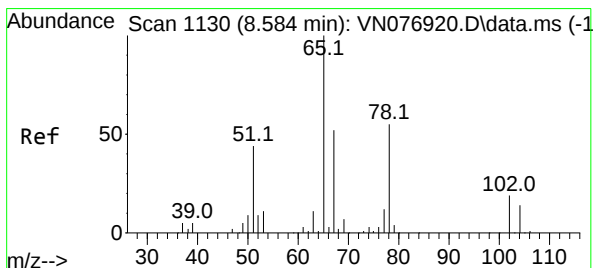
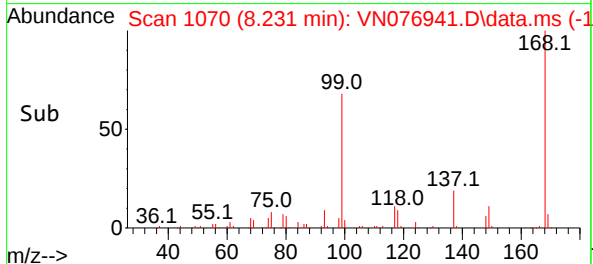
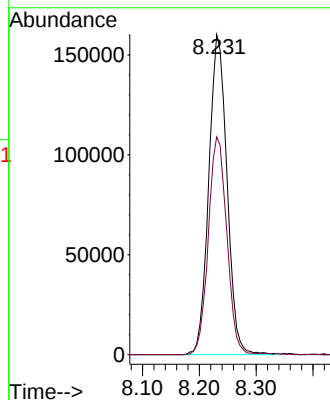
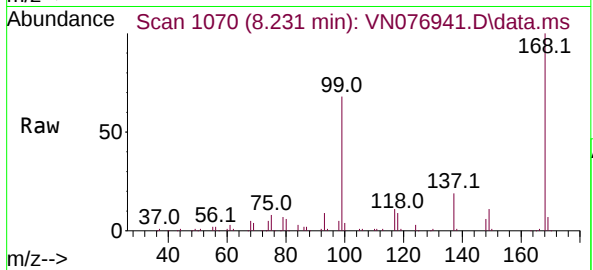




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.231 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VN076941.D  
Acq: 10 Mar 2023 22:03

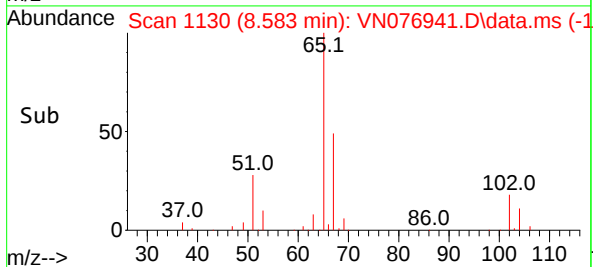
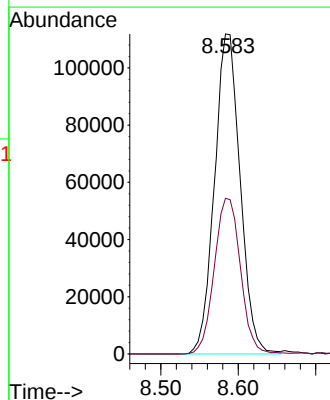
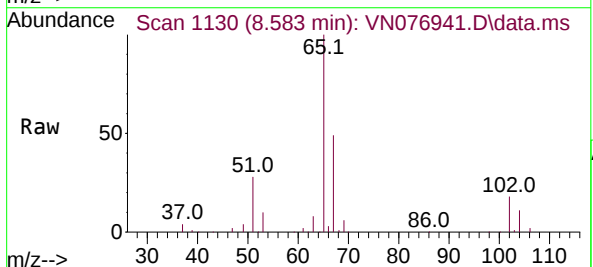
Instrument :  
MSVOA\_N  
ClientSampleId :  
UPS-01

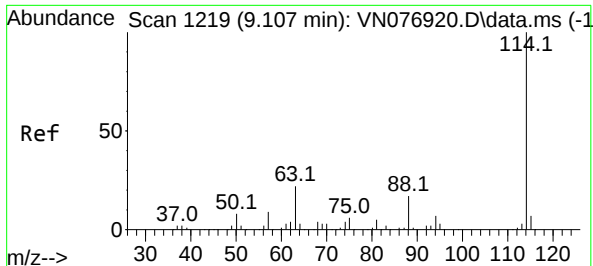
Tgt Ion:168 Resp: 356141  
Ion Ratio Lower Upper  
168 100  
99 68.0 48.6 73.0



#33  
1,2-Dichloroethane-d4  
Concen: 48.431 ug/l  
RT: 8.583 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN076941.D  
Acq: 10 Mar 2023 22:03

Tgt Ion: 65 Resp: 257390  
Ion Ratio Lower Upper  
65 100  
67 49.6 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: VN076941.D

Acq: 10 Mar 2023 22:03

Instrument :

MSVOA\_N

ClientSampleId :

UPS-01

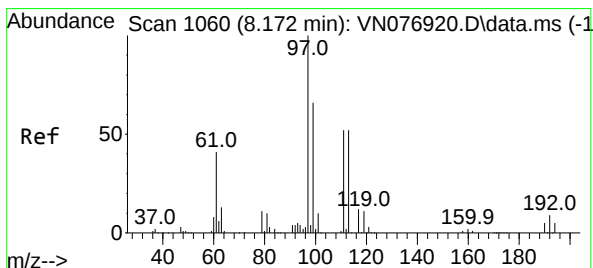
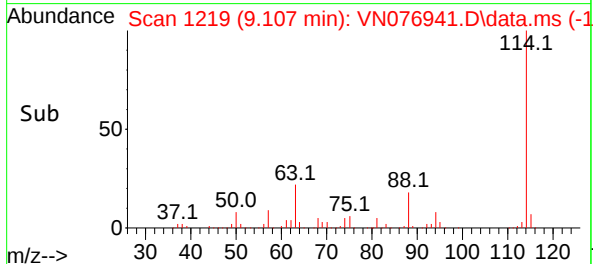
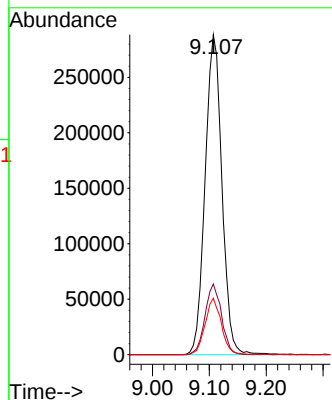
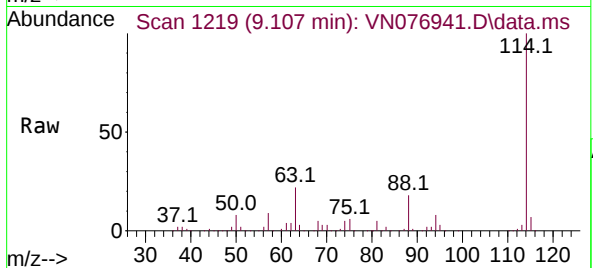
Tgt Ion:114 Resp: 591819

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.6

88 17.6 0.0 28.6



#35

Dibromofluoromethane

Concen: 46.709 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076941.D

Acq: 10 Mar 2023 22:03

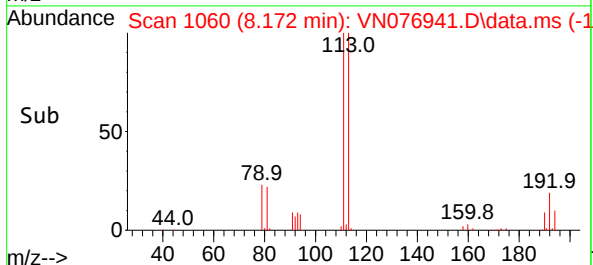
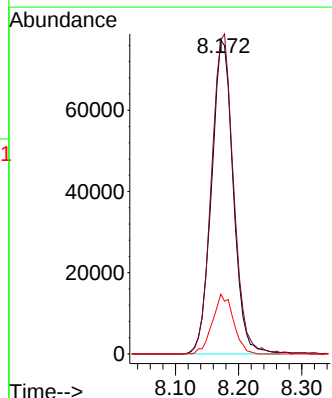
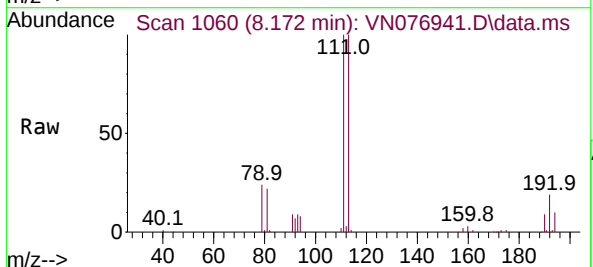
Tgt Ion:113 Resp: 184235

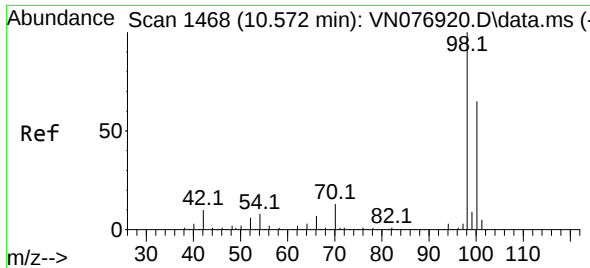
Ion Ratio Lower Upper

113 100

111 104.1 81.8 122.8

192 18.5 13.9 20.9

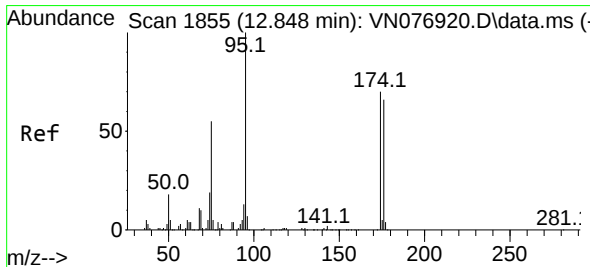
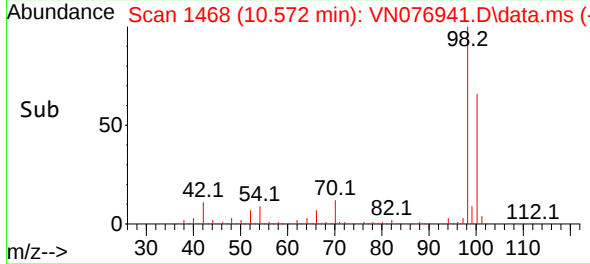
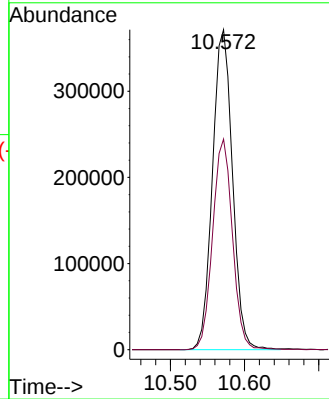
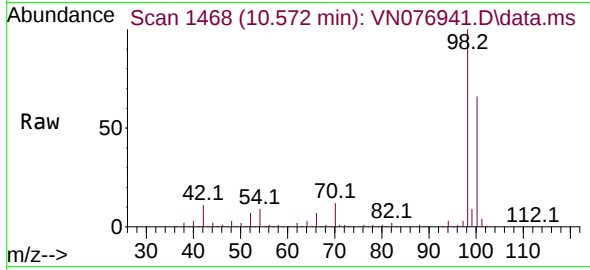




#50  
Toluene-d8  
Concen: 47.943 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VN076941.D  
Acq: 10 Mar 2023 22:03

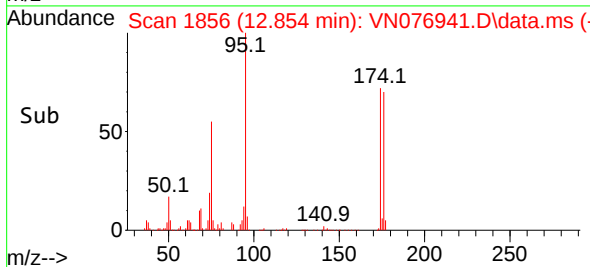
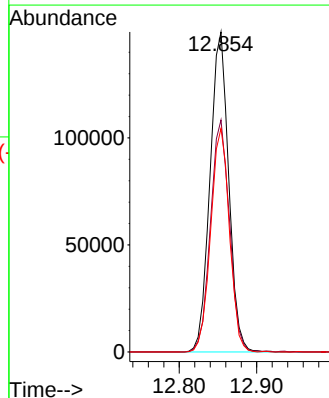
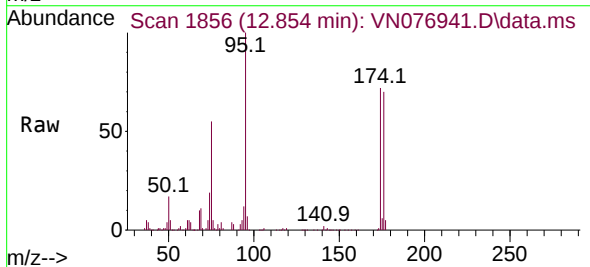
Instrument :  
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ClientSampleId :  
UPS-01

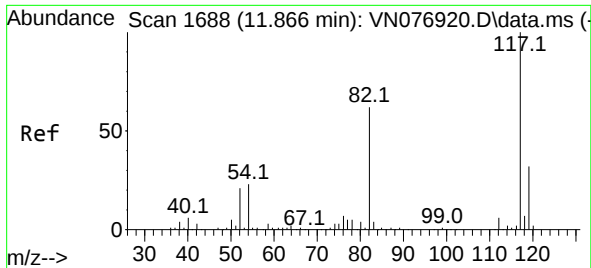
Tgt Ion: 98 Resp: 696924  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 47.052 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN076941.D  
Acq: 10 Mar 2023 22:03

Tgt Ion: 95 Resp: 250178  
Ion Ratio Lower Upper  
95 100  
174 73.9 0.0 162.4  
176 69.9 0.0 157.4

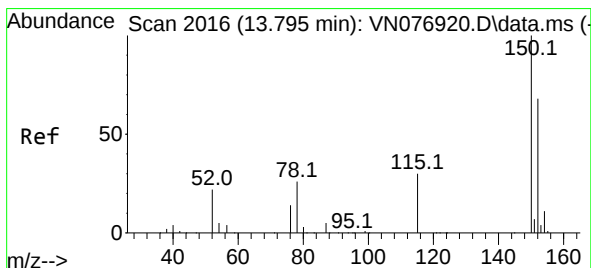
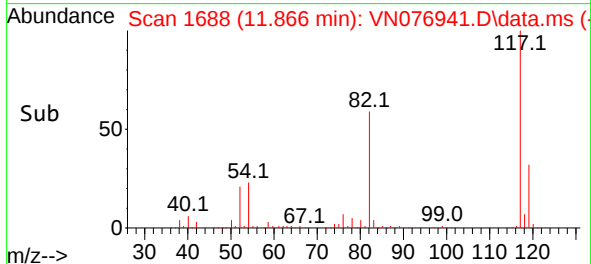
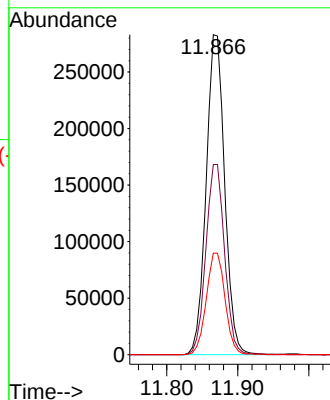
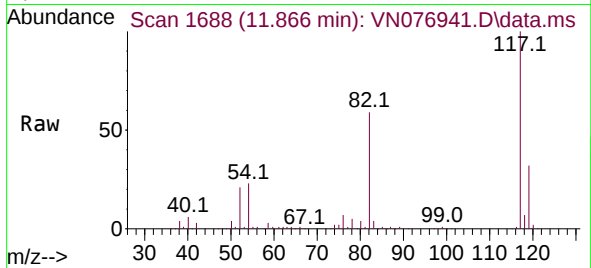




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN076941.D  
Acq: 10 Mar 2023 22:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
UPS-01

Tgt Ion:117 Resp: 513028  
Ion Ratio Lower Upper  
117 100  
82 59.4 43.5 65.3  
119 31.7 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: VN076941.D  
Acq: 10 Mar 2023 22:03

Tgt Ion:152 Resp: 218663  
Ion Ratio Lower Upper  
152 100  
115 66.3 30.3 90.9  
150 157.0 0.0 353.6

