

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021423\  
 Data File : VN076663.D  
 Acq On : 14 Feb 2023 15:41  
 Operator : JC\MD  
 Sample : 01545-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MH-M

Quant Time: Feb 15 03:15:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021323W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 14 01:44:47 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 316987   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.107  | 114  | 589124   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 517321   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 206164   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 231728   | 52.941   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 105.880% |
| 35) Dibromofluoromethane    | 8.172  | 113   | 180047   | 46.668   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 93.340%  |
| 50) Toluene-d8              | 10.571 | 98    | 702521   | 48.759   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 97.520%  |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 222512   | 46.628   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 93.260%  |

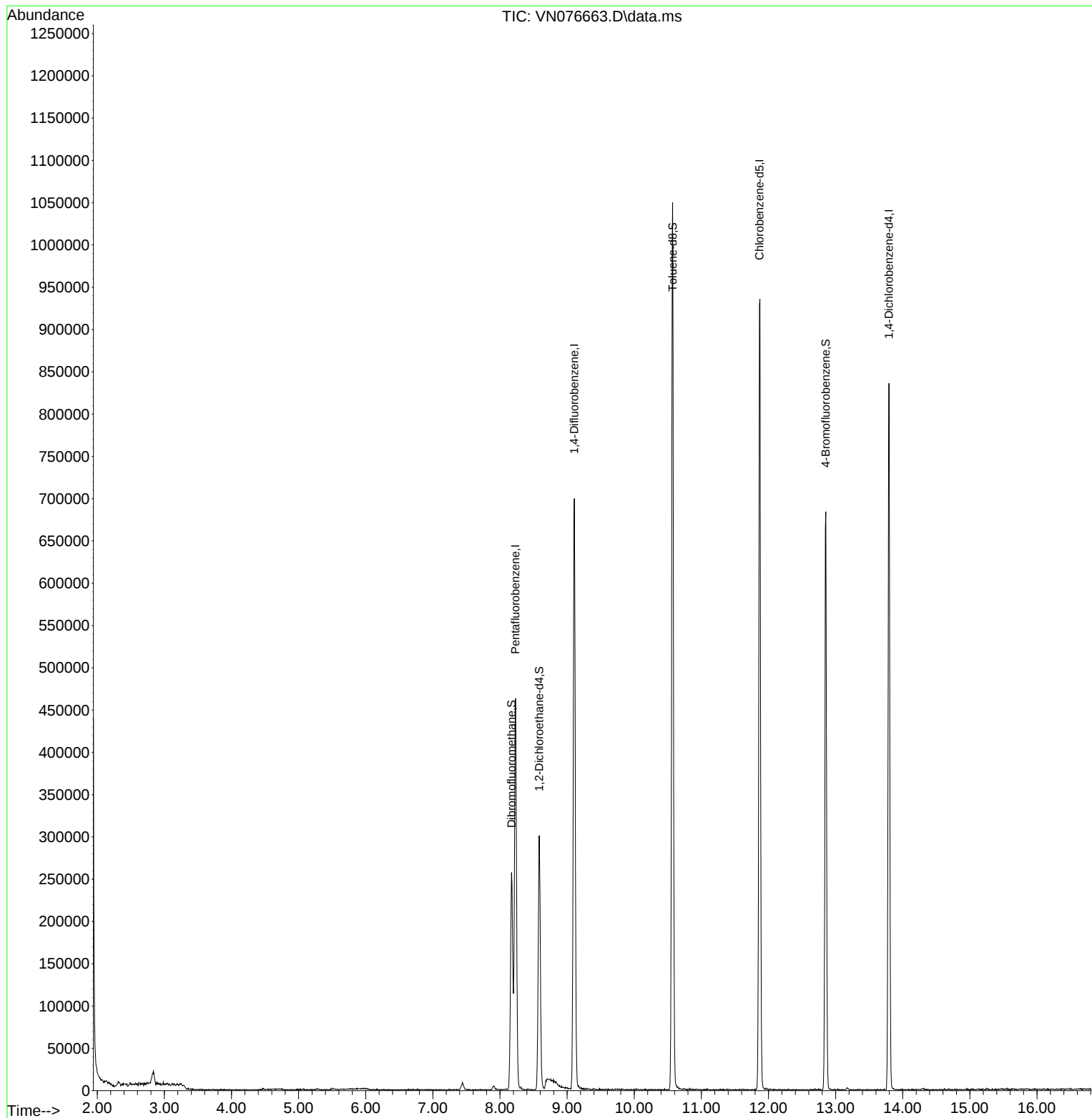
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

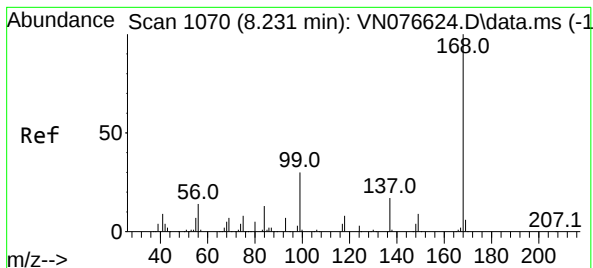
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Feb 14 01:44:47 2023  
Response via : Initial Calibration

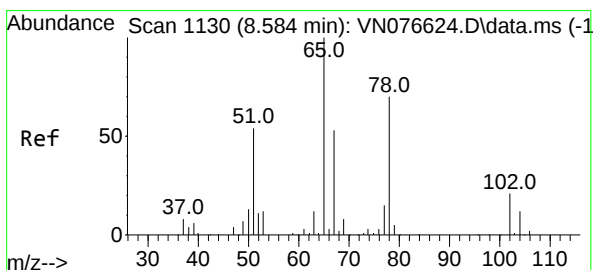
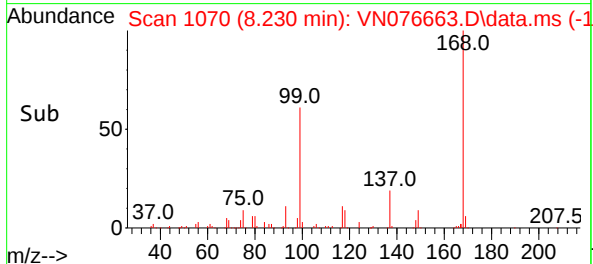
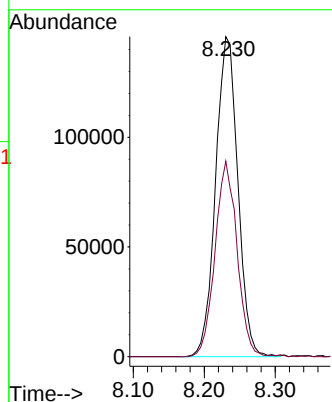
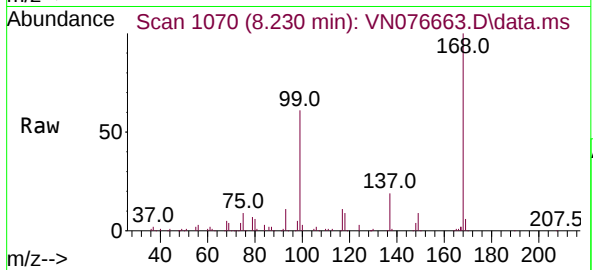




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN076663.D  
Acq: 14 Feb 2023 15:41

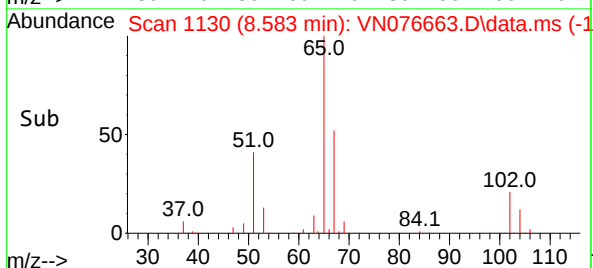
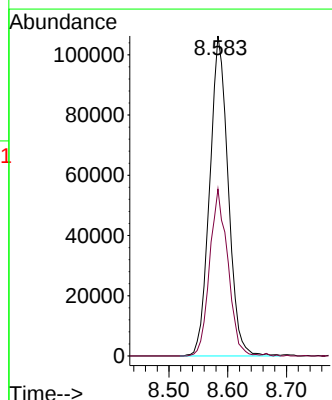
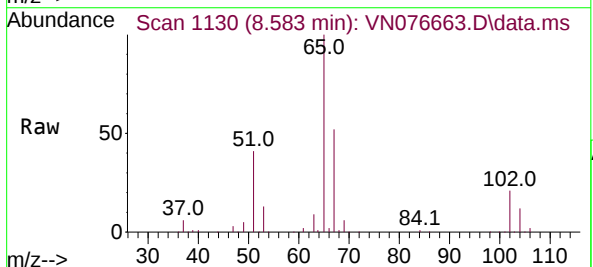
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-M

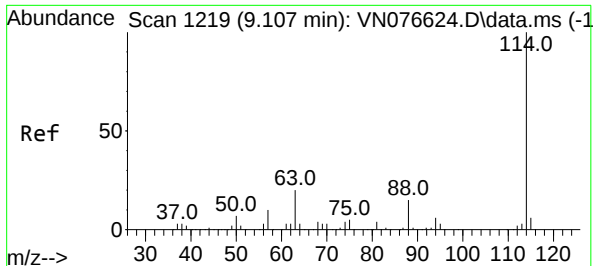
Tgt Ion:168 Resp: 316987  
Ion Ratio Lower Upper  
168 100  
99 61.1 44.8 67.2



#33  
1,2-Dichloroethane-d4  
Concen: 52.941 ug/l  
RT: 8.583 min Scan# 1130  
Delta R.T. -0.001 min  
Lab File: VN076663.D  
Acq: 14 Feb 2023 15:41

Tgt Ion: 65 Resp: 231728  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076663.D

Acq: 14 Feb 2023 15:41

Instrument :

MSVOA\_N

ClientSampleId :

MH-M

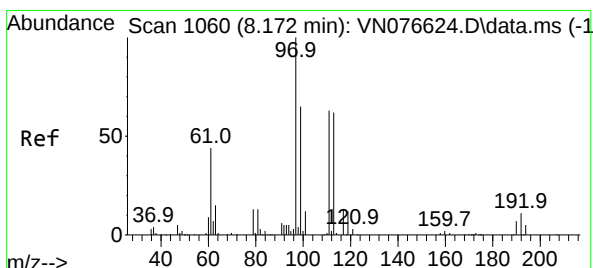
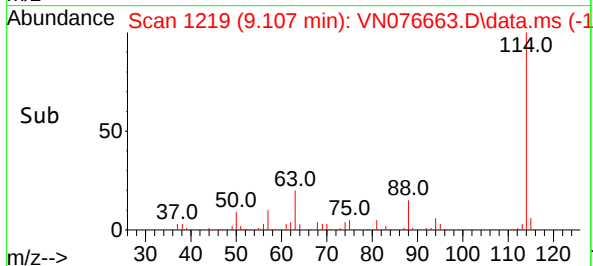
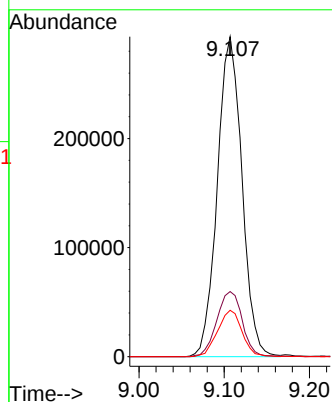
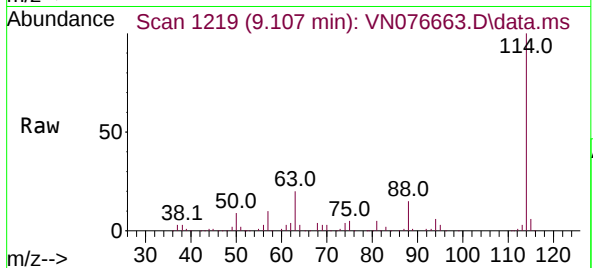
Tgt Ion:114 Resp: 589124

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 14.5 0.0 29.6



#35

Dibromofluoromethane

Concen: 46.668 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076663.D

Acq: 14 Feb 2023 15:41

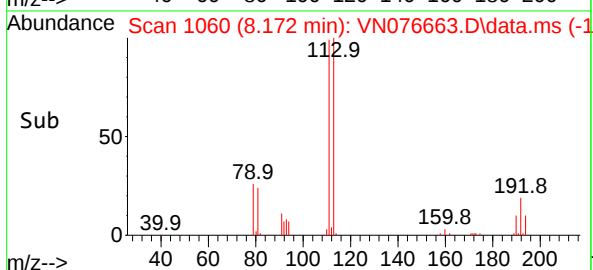
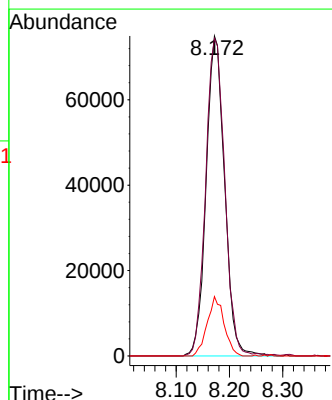
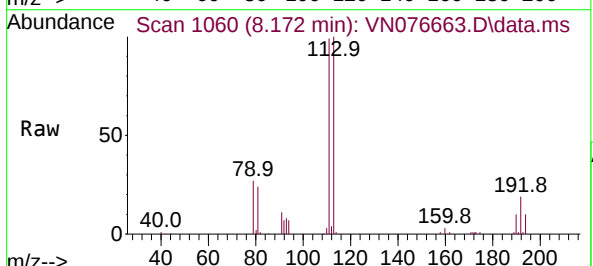
Tgt Ion:113 Resp: 180047

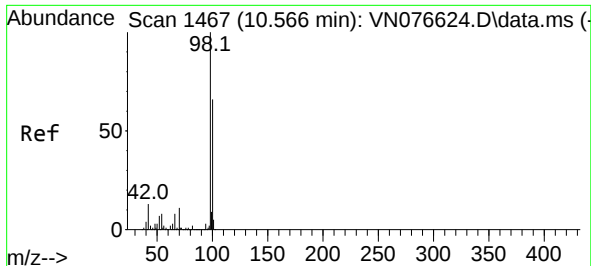
Ion Ratio Lower Upper

113 100

111 102.7 83.1 124.7

192 17.0 15.6 23.4

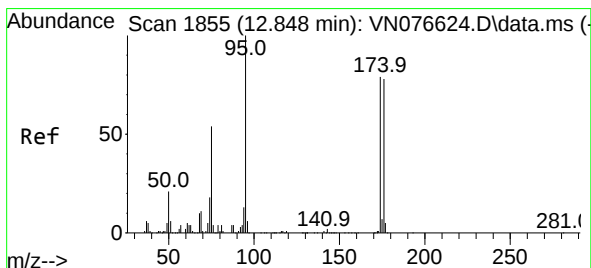
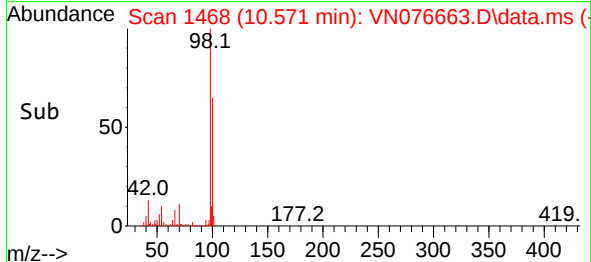
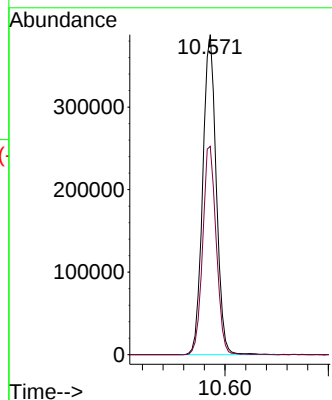
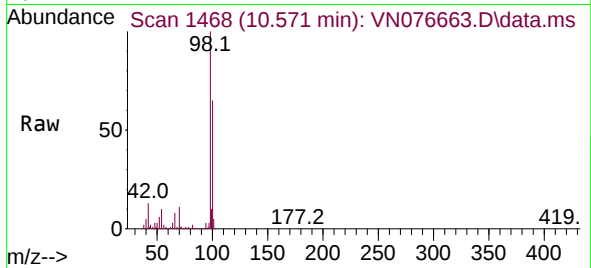




#50  
Toluene-d8  
Concen: 48.759 ug/l  
RT: 10.571 min Scan# 1468  
Delta R.T. 0.005 min  
Lab File: VN076663.D  
Acq: 14 Feb 2023 15:41

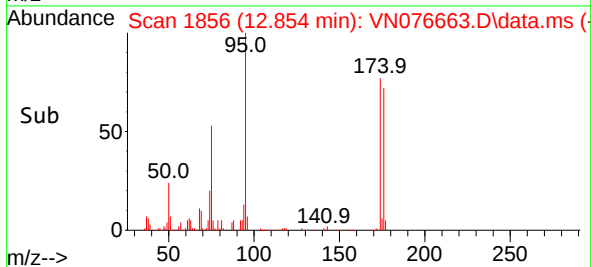
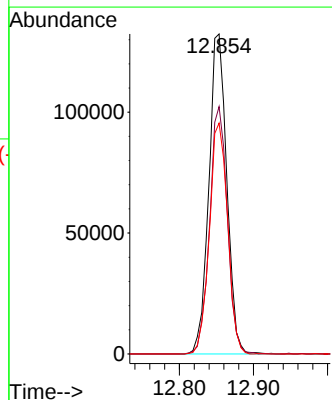
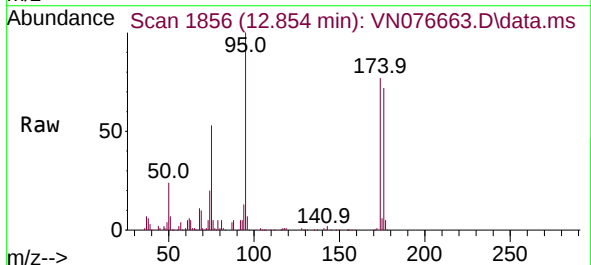
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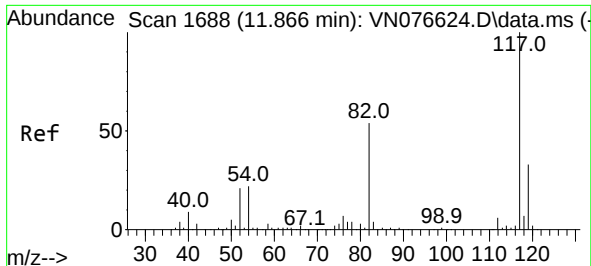
Tgt Ion: 98 Resp: 702521  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 46.628 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN076663.D  
Acq: 14 Feb 2023 15:41

Tgt Ion: 95 Resp: 222512  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 169.2  
176 73.3 0.0 163.4

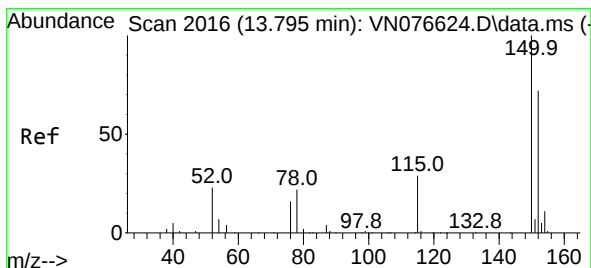
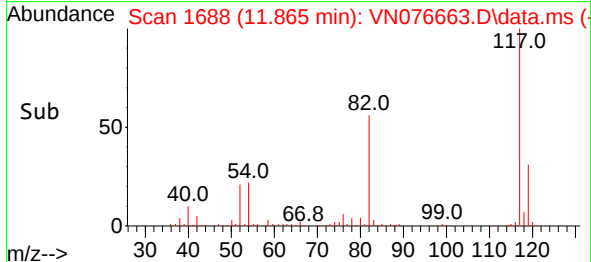
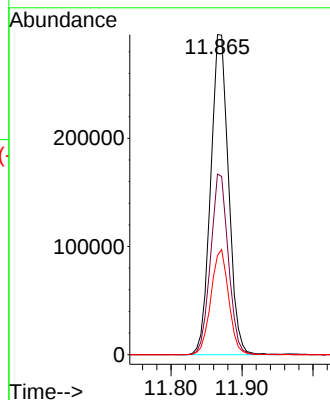
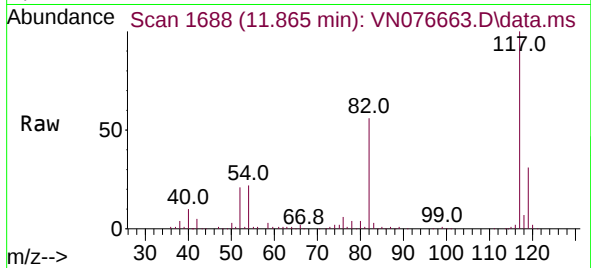




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN076663.D  
Acq: 14 Feb 2023 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-M

Tgt Ion:117 Resp: 517321  
Ion Ratio Lower Upper  
117 100  
82 56.4 43.4 65.2  
119 31.0 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN076663.D  
Acq: 14 Feb 2023 15:41

Tgt Ion:152 Resp: 206164  
Ion Ratio Lower Upper  
152 100  
115 61.9 29.3 87.9  
150 159.4 0.0 349.8

