

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022824\  
 Data File : VN081238.D  
 Acq On : 28 Feb 2024 12:31  
 Operator : JC\MD  
 Sample : VN0228WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228WBL01

Quant Time: Feb 28 23:23:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 16 23:45:20 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 315517   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 598196   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 522441   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 193905   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 219852   | 56.848   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 113.700% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 177072   | 52.348   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.700% |
| 50) Toluene-d8              | 10.571 | 98    | 647700   | 53.911   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 107.820% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 201103   | 44.547   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 89.100%  |

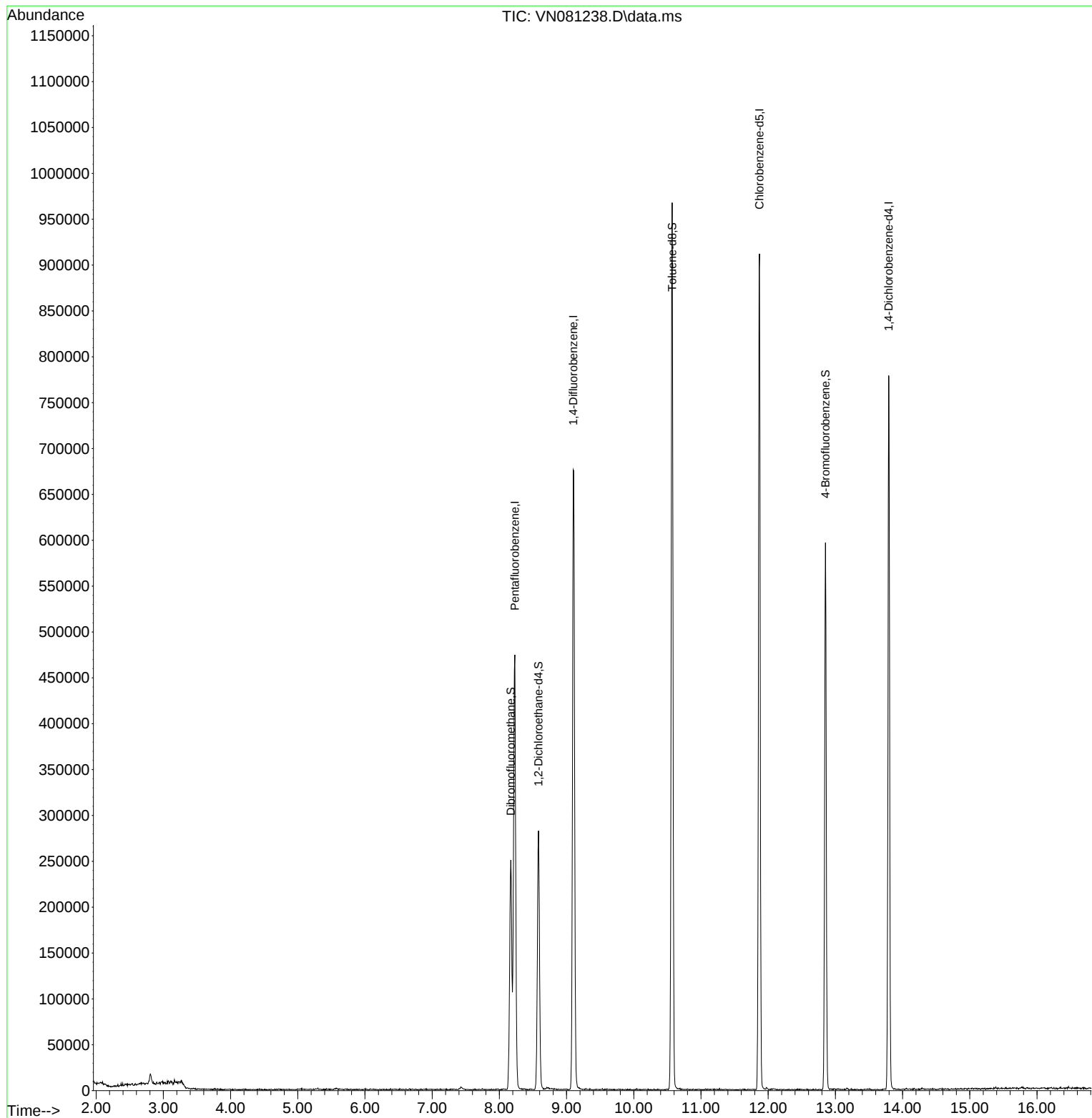
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

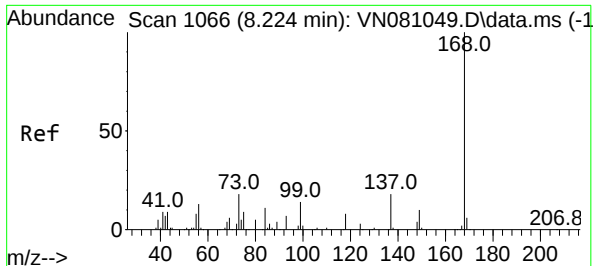
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Feb 16 23:45:20 2024  
Response via : Initial Calibration

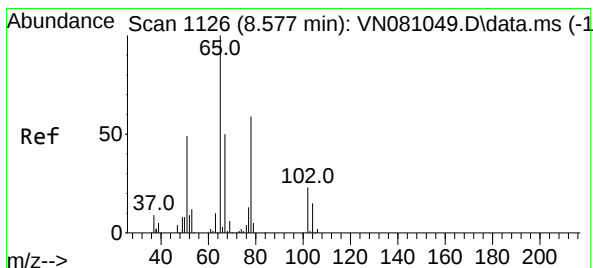
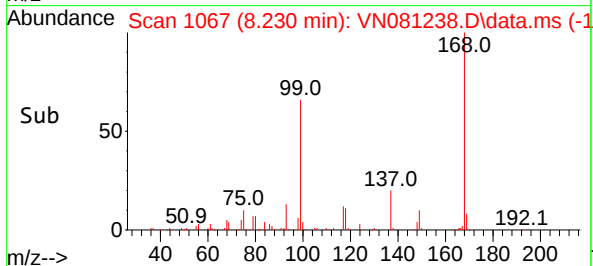
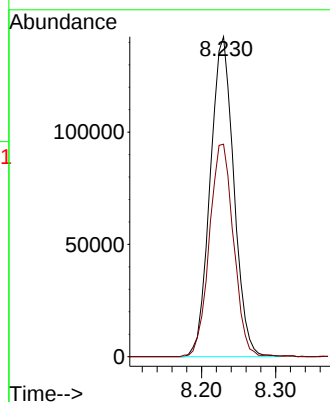
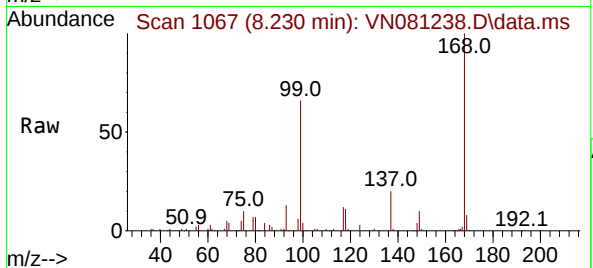




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

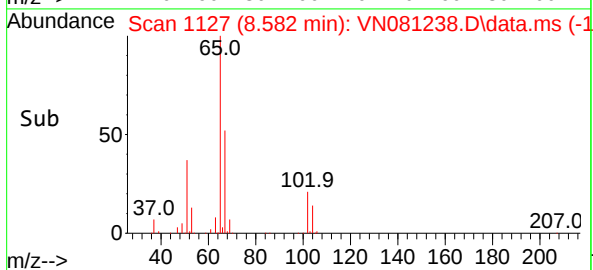
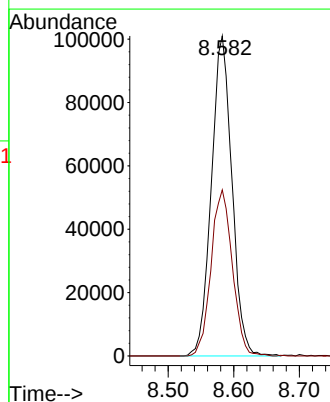
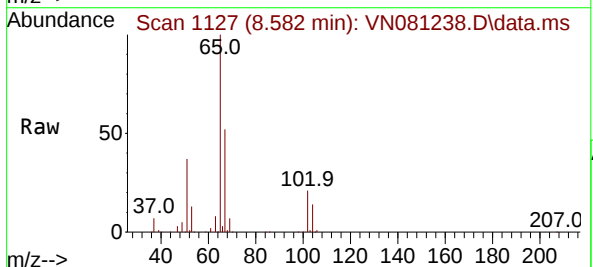
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBL01

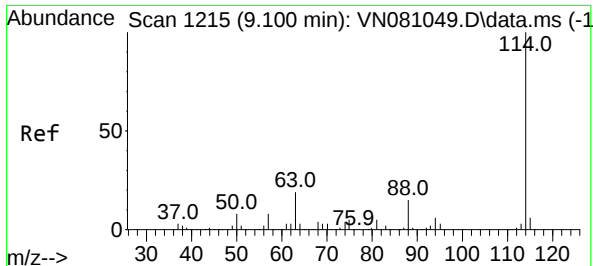
Tgt Ion:168 Resp: 315517  
Ion Ratio Lower Upper  
168 100  
99 66.4 59.9 89.9



#33  
1,2-Dichloroethane-d4  
Concen: 56.848 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

Tgt Ion: 65 Resp: 219852  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN081238.D

Acq: 28 Feb 2024 12:31

Instrument :

MSVOA\_N

ClientSampleId :

VN0228WBL01

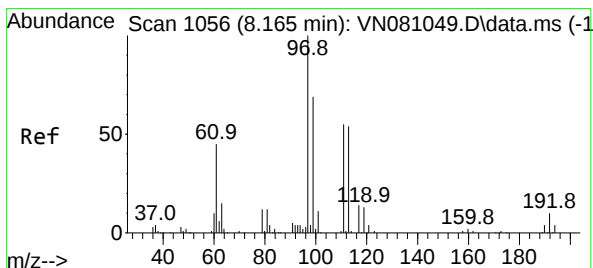
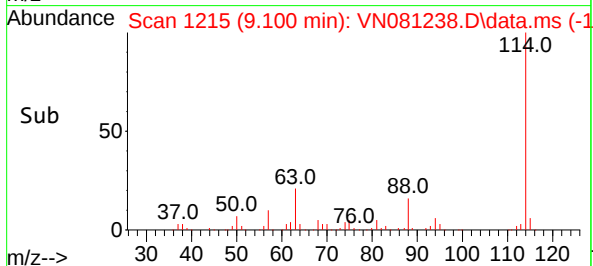
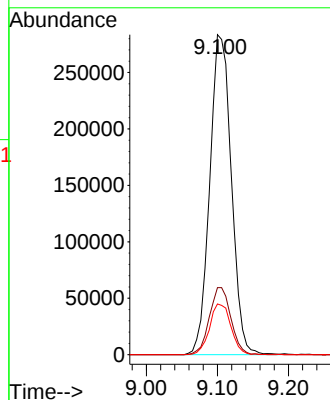
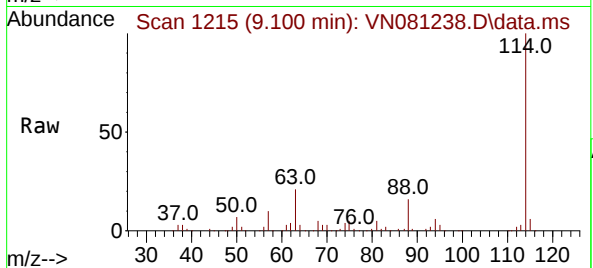
Tgt Ion:114 Resp: 598196

Ion Ratio Lower Upper

114 100

63 21.0 0.0 48.0

88 15.8 0.0 34.8



#35

Dibromofluoromethane

Concen: 52.348 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081238.D

Acq: 28 Feb 2024 12:31

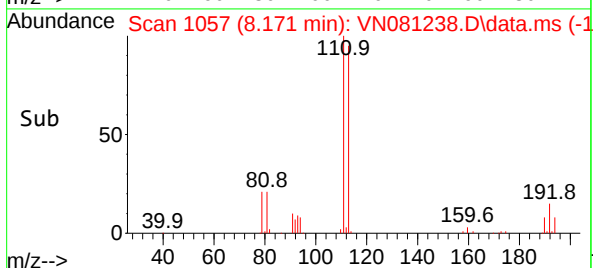
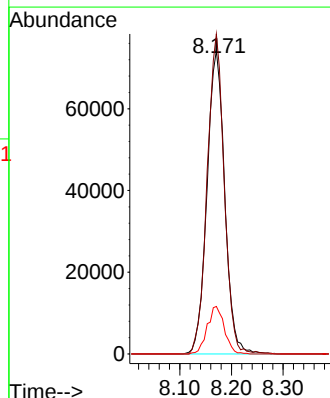
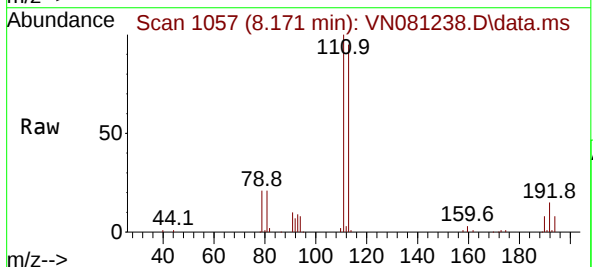
Tgt Ion:113 Resp: 177072

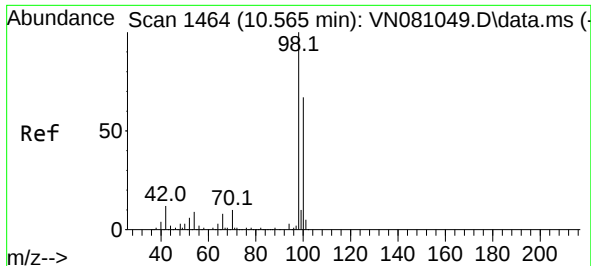
Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.4

192 15.1 12.5 18.7

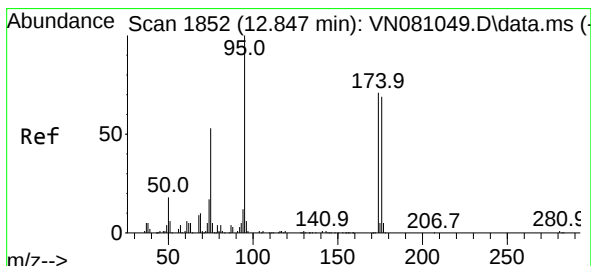
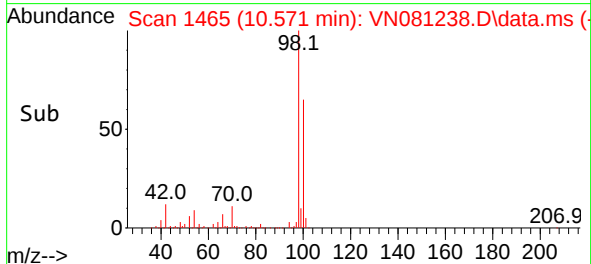
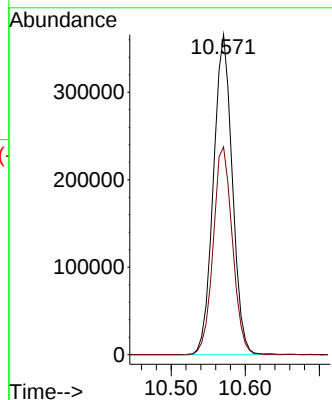
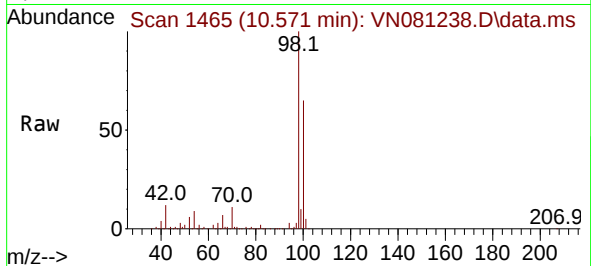




#50  
Toluene-d8  
Concen: 53.911 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

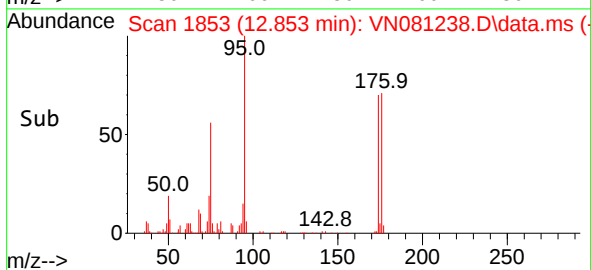
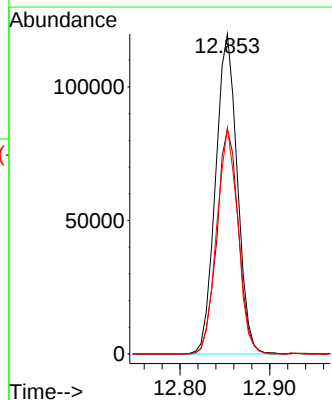
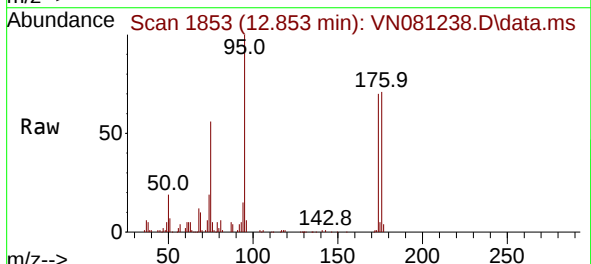
Instrument :  
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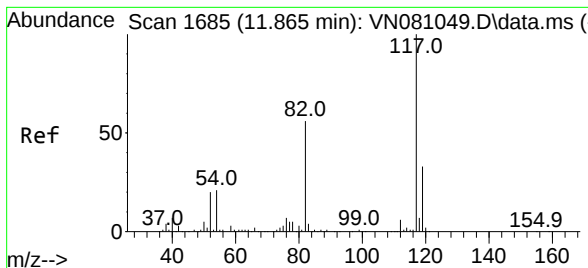
Tgt Ion: 98 Resp: 647700  
Ion Ratio Lower Upper  
98 100  
100 65.9 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 44.547 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

Tgt Ion: 95 Resp: 201103  
Ion Ratio Lower Upper  
95 100  
174 70.2 0.0 120.4  
176 68.8 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081238.D

Acq: 28 Feb 2024 12:31

Instrument :

MSVOA\_N

ClientSampleId :

VN0228WBL01

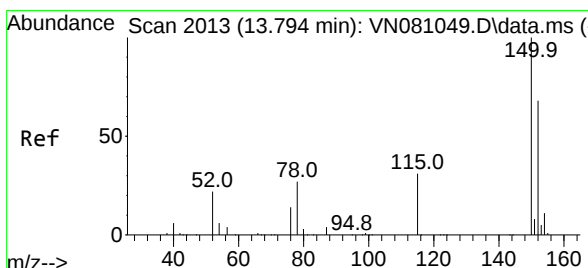
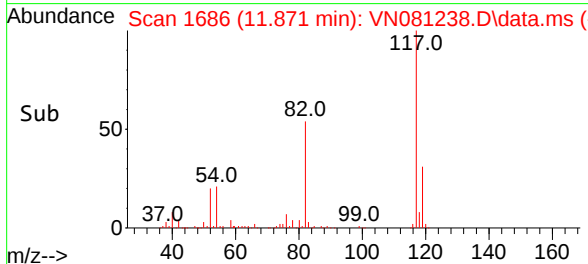
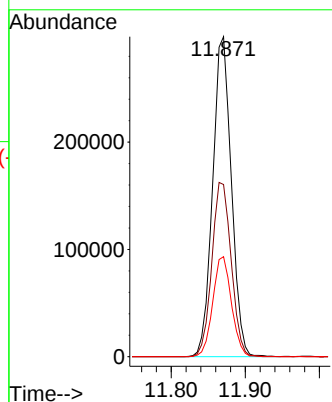
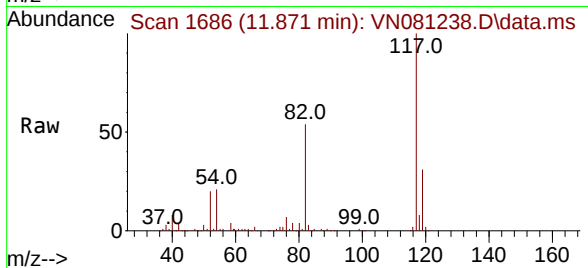
Tgt Ion:117 Resp: 522441

Ion Ratio Lower Upper

117 100

82 53.8 52.7 79.1

119 31.3 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081238.D

Acq: 28 Feb 2024 12:31

Tgt Ion:152 Resp: 193905

Ion Ratio Lower Upper

152 100

115 65.4 32.3 96.8

150 155.1 0.0 339.8

