

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN013123\  
 Data File : VN076476.D  
 Acq On : 31 Jan 2023 10:14  
 Operator : JC\MD  
 Sample : VN0131WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0131WBL01

Quant Time: Feb 01 00:43:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.229  | 168  | 449040   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 741585   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 622910   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 239164   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 275711   | 54.837   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 109.680% |
| 35) Dibromofluoromethane    | 8.177  | 113   | 233604   | 50.357   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 100.720% |
| 50) Toluene-d8              | 10.570 | 98    | 847260   | 49.455   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 98.900%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 256658   | 45.891   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 91.780%  |

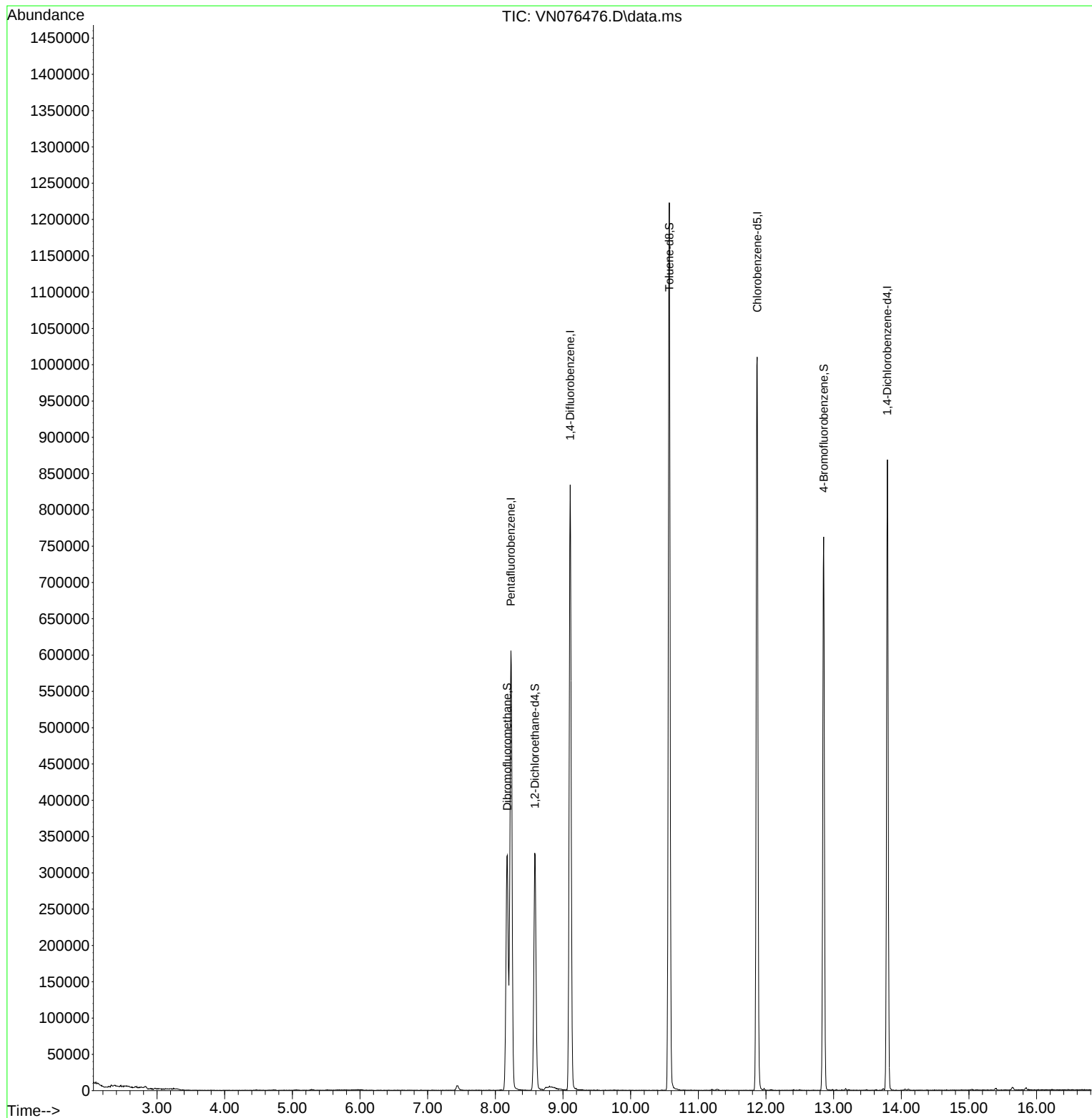
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

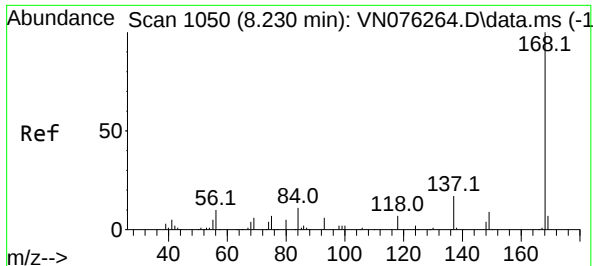
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 03:59:22 2023  
Response via : Initial Calibration

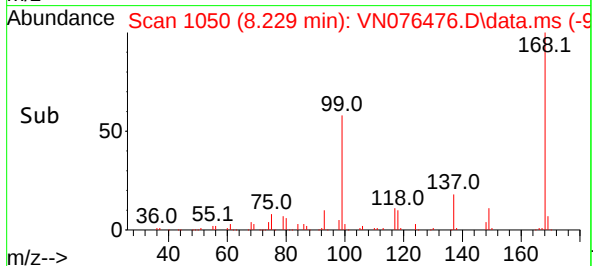
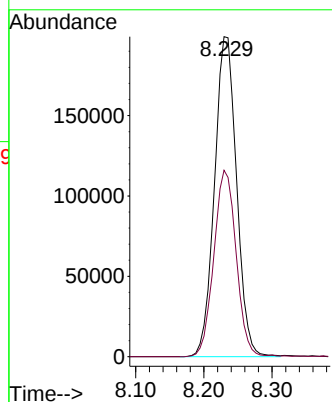
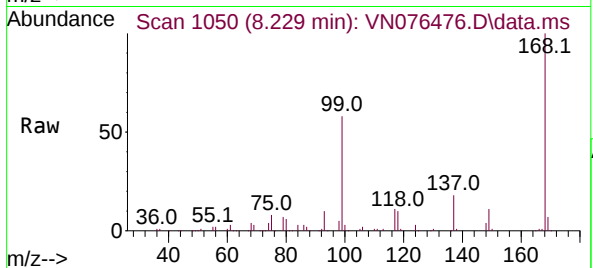




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1105  
Delta R.T. -0.001 min  
Lab File: VN076476.D  
Acq: 31 Jan 2023 10:14

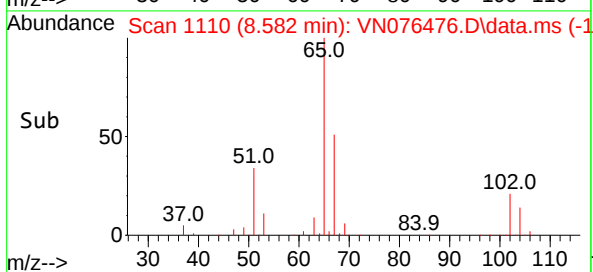
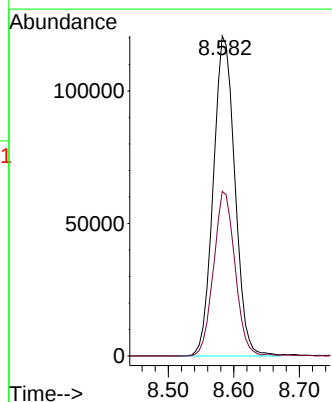
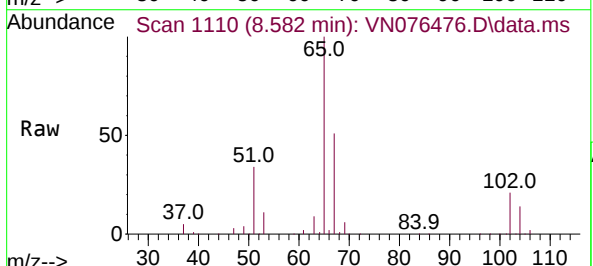
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0131WBL01

Tgt Ion:168 Resp: 449040  
Ion Ratio Lower Upper  
168 100  
99 58.3 41.6 62.4



#33  
1,2-Dichloroethane-d4  
Concen: 54.837 ug/l  
RT: 8.582 min Scan# 1110  
Delta R.T. 0.000 min  
Lab File: VN076476.D  
Acq: 31 Jan 2023 10:14

Tgt Ion: 65 Resp: 275711  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076476.D

Acq: 31 Jan 2023 10:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0131WBL01

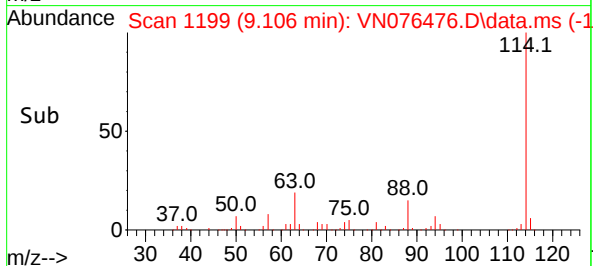
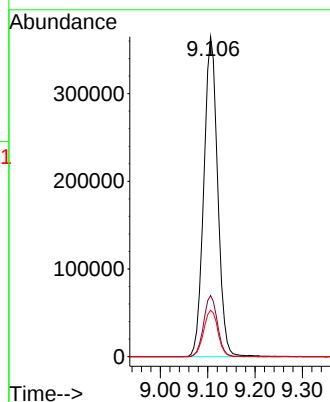
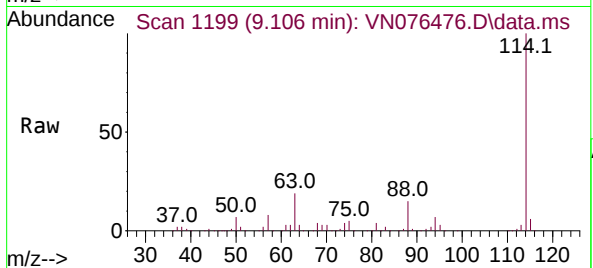
Tgt Ion:114 Resp: 741585

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.8

88 14.5 0.0 28.0



#35

Dibromofluoromethane

Concen: 50.357 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076476.D

Acq: 31 Jan 2023 10:14

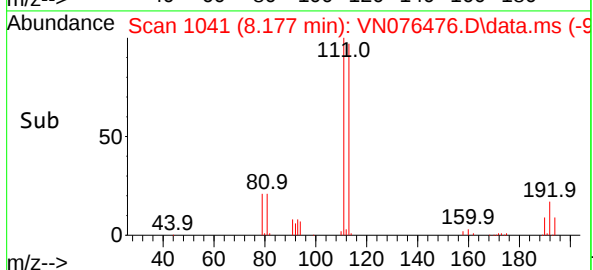
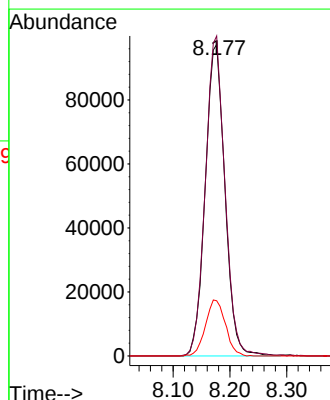
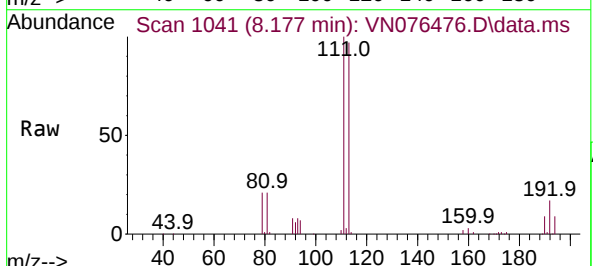
Tgt Ion:113 Resp: 233604

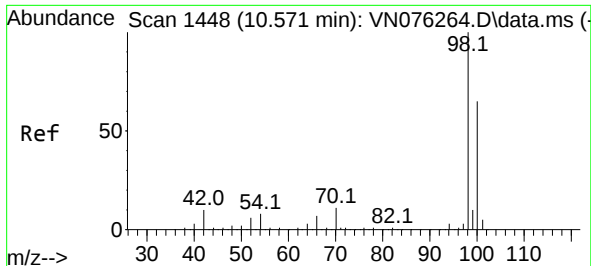
Ion Ratio Lower Upper

113 100

111 102.1 82.7 124.1

192 18.2 15.6 23.4

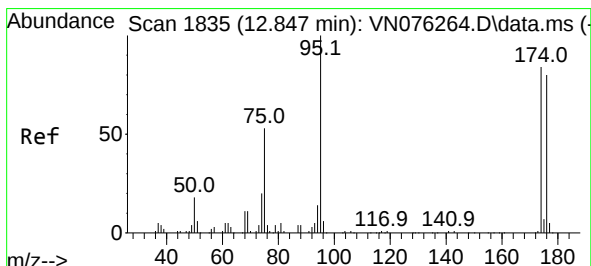
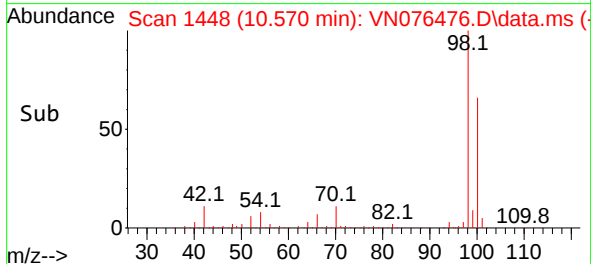
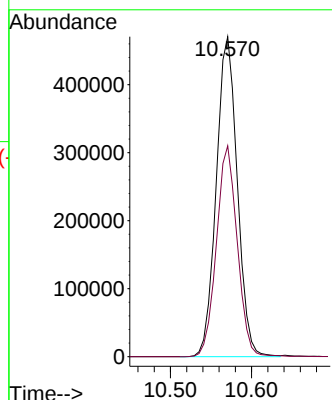
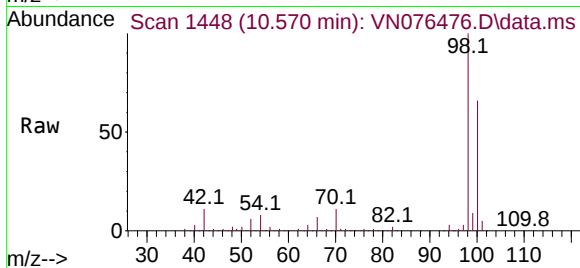




#50  
Toluene-d8  
Concen: 49.455 ug/l  
RT: 10.570 min Scan# 1448  
Delta R.T. -0.001 min  
Lab File: VN076476.D  
Acq: 31 Jan 2023 10:14

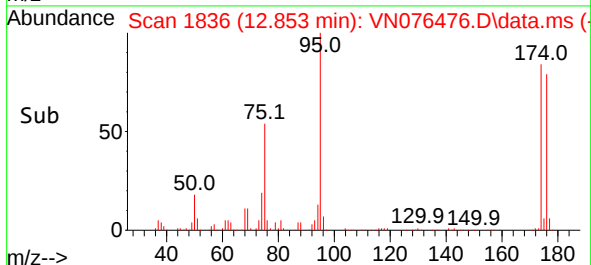
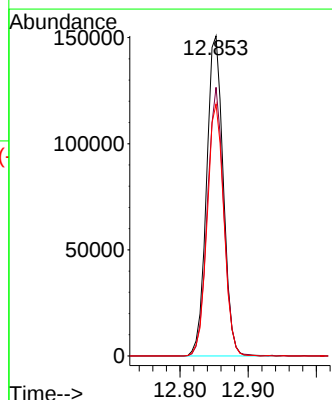
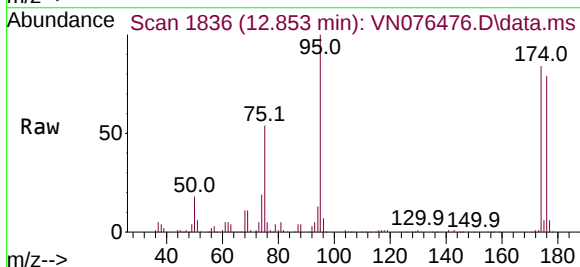
Instrument :  
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ClientSampleId :  
VN0131WBL01

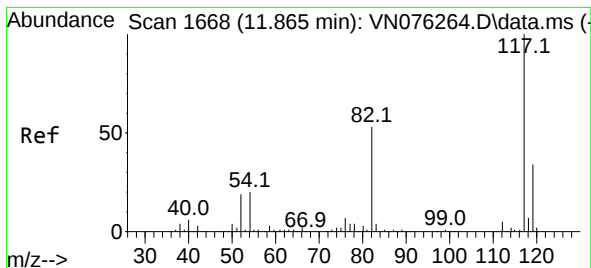
Tgt Ion: 98 Resp: 847260  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 45.891 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN076476.D  
Acq: 31 Jan 2023 10:14

Tgt Ion: 95 Resp: 256658  
Ion Ratio Lower Upper  
95 100  
174 82.2 0.0 174.6  
176 78.8 0.0 167.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN076476.D

Acq: 31 Jan 2023 10:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0131WBL01

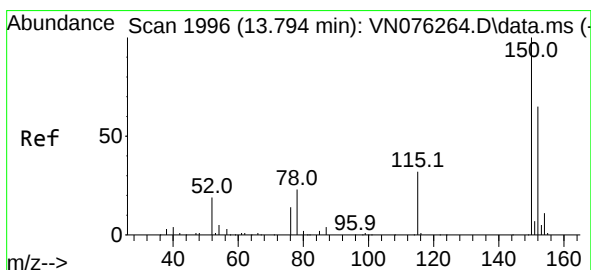
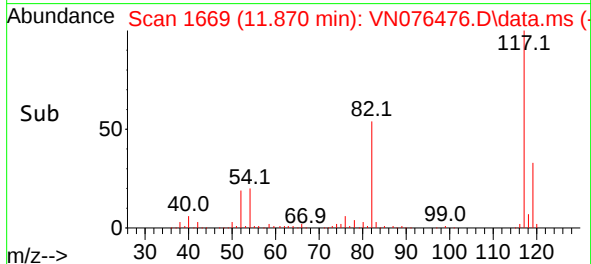
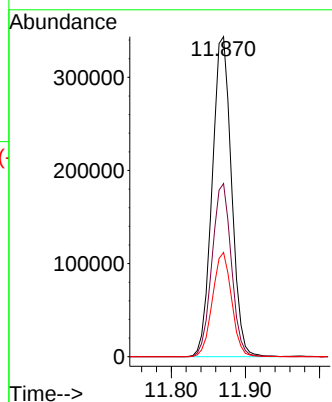
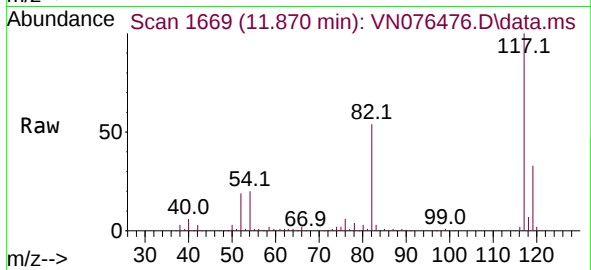
Tgt Ion:117 Resp: 622910

Ion Ratio Lower Upper

117 100

82 54.1 42.2 63.2

119 32.6 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076476.D

Acq: 31 Jan 2023 10:14

Tgt Ion:152 Resp: 239164

Ion Ratio Lower Upper

152 100

115 59.7 29.6 88.9

150 157.9 0.0 351.4

