

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040224\  
 Data File : VN081653.D  
 Acq On : 02 Apr 2024 15:01  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Apr 03 01:33:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 06:00:00 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 355686   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 654573   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 644493   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 256418   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 253804   | 55.954   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 111.900% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 211874   | 51.288   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 102.580% |
| 50) Toluene-d8              | 10.565 | 98    | 815250   | 54.593   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 109.180% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 263405   | 50.059   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =    | 100.120% |

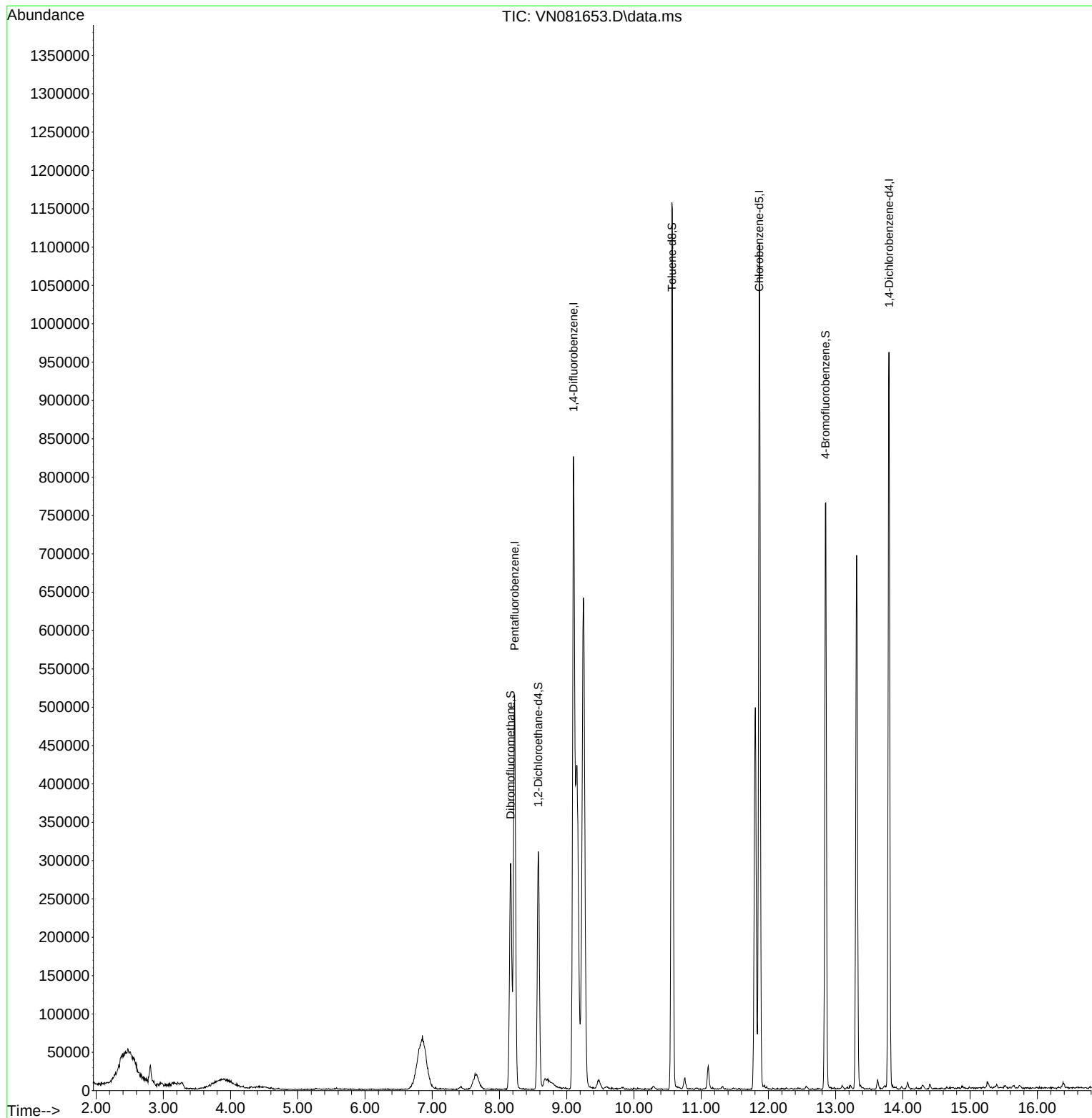
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

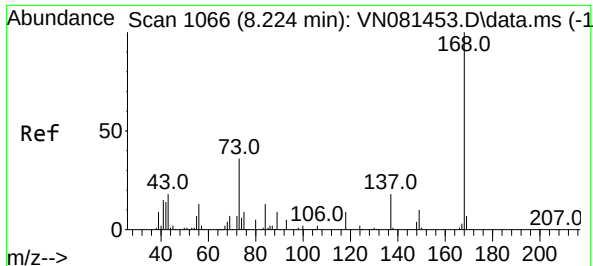
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040224\  
Data File : VN081653.D  
Acq On : 02 Apr 2024 15:01  
Operator : JC\MD  
Sample : IBLK  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Quant Time: Apr 03 01:33:16 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 19 06:00:00 2024  
Response via : Initial Calibration

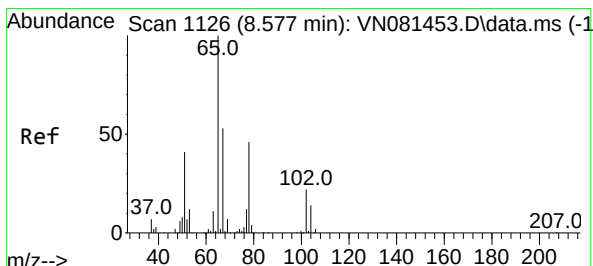
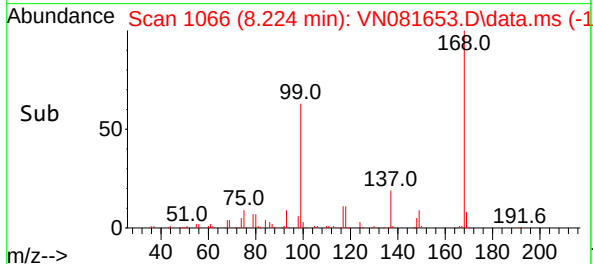
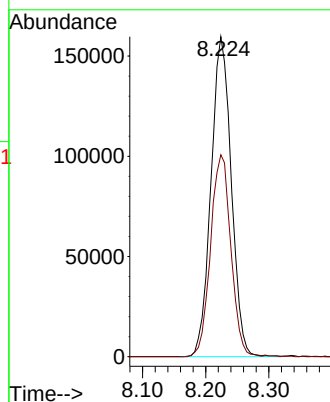
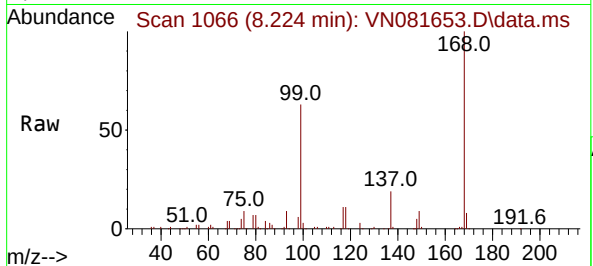




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN081653.D  
Acq: 02 Apr 2024 15:01

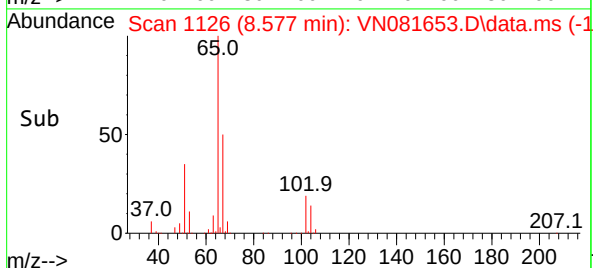
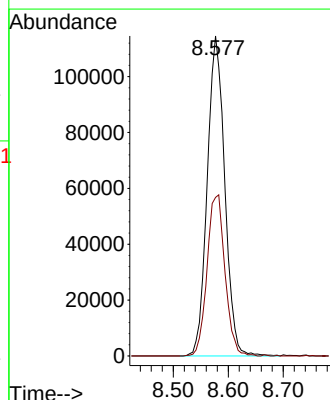
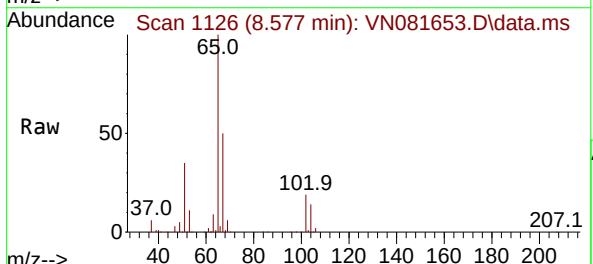
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

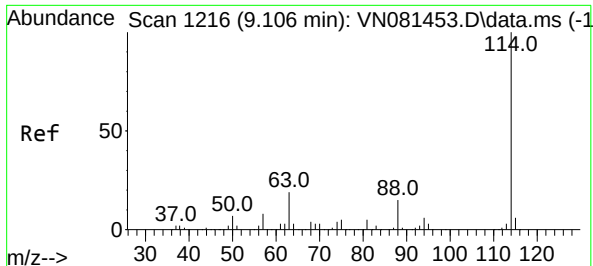
Tgt Ion:168 Resp: 355686  
Ion Ratio Lower Upper  
168 100  
99 63.1 59.9 89.9



#33  
1,2-Dichloroethane-d4  
Concen: 55.954 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN081653.D  
Acq: 02 Apr 2024 15:01

Tgt Ion: 65 Resp: 253804  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081653.D

Acq: 02 Apr 2024 15:01

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

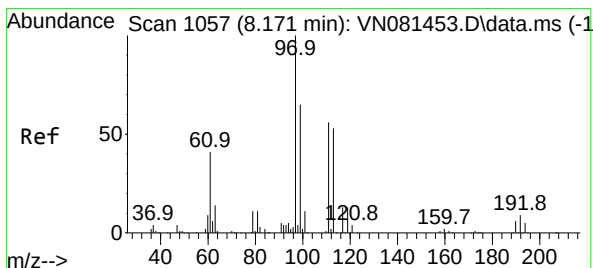
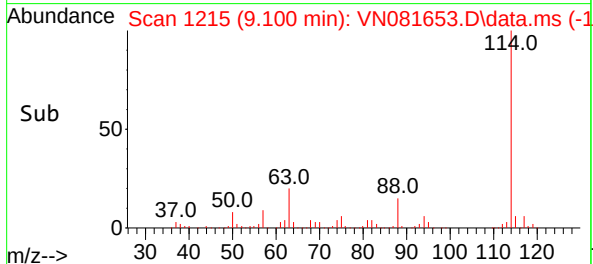
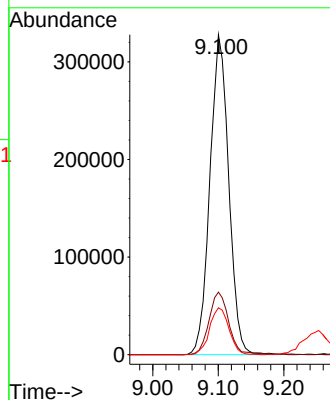
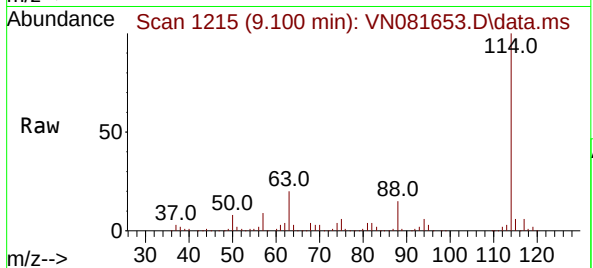
Tgt Ion:114 Resp: 654573

Ion Ratio Lower Upper

114 100

63 19.6 0.0 48.0

88 14.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.288 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081653.D

Acq: 02 Apr 2024 15:01

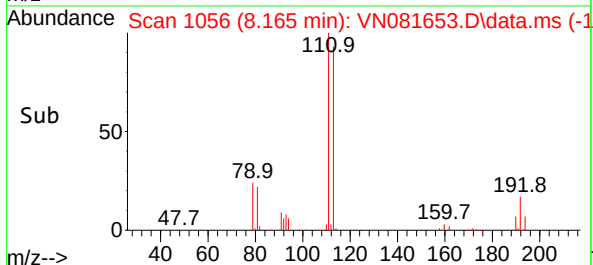
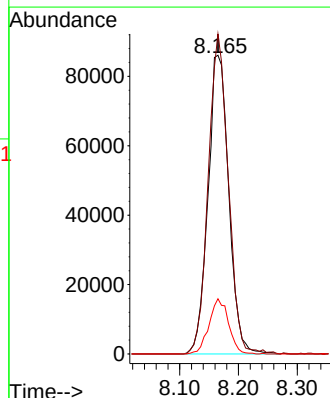
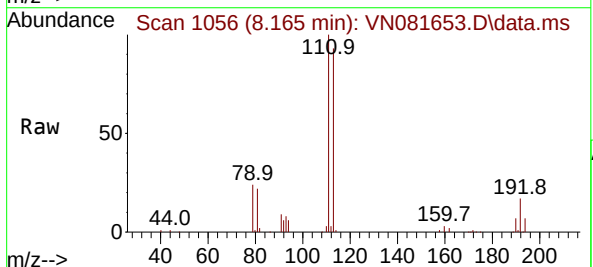
Tgt Ion:113 Resp: 211874

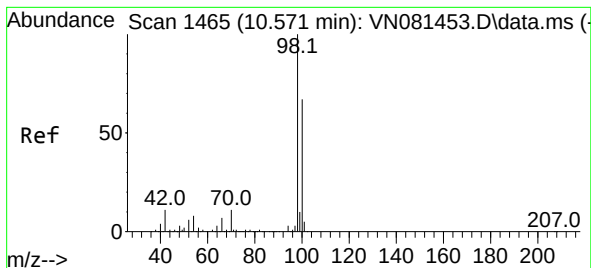
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 17.3 12.5 18.7





#50

Toluene-d8

Concen: 54.593 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN081653.D

Acq: 02 Apr 2024 15:01

Instrument :

MSVOA\_N

ClientSampleId :

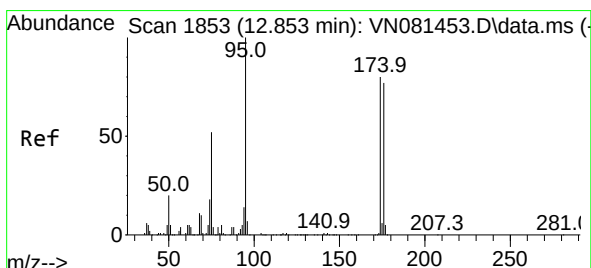
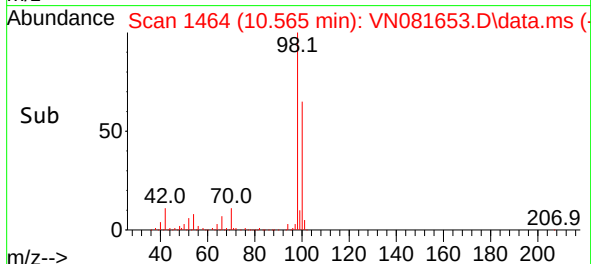
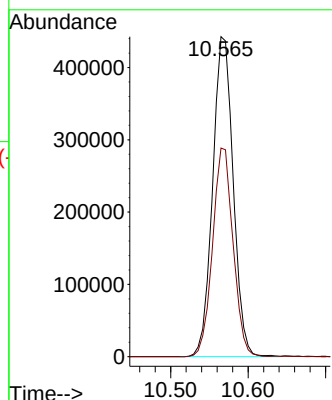
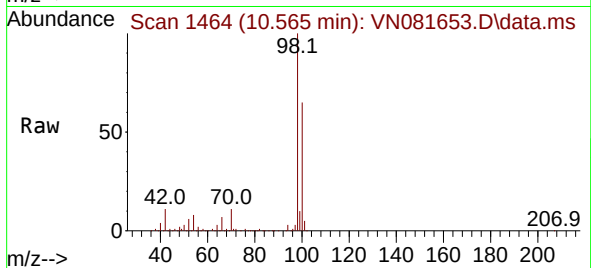
IBLK

Tgt Ion: 98 Resp: 815250

Ion Ratio Lower Upper

98 100

100 65.0 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 50.059 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.006 min

Lab File: VN081653.D

Acq: 02 Apr 2024 15:01

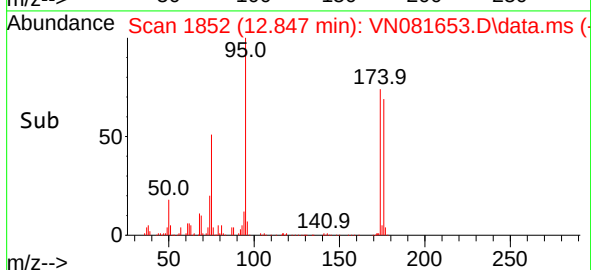
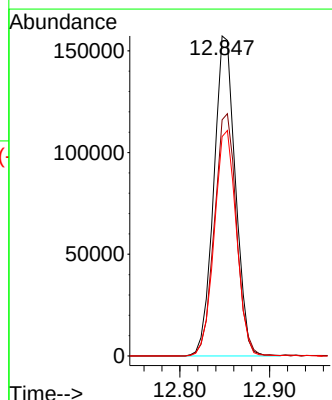
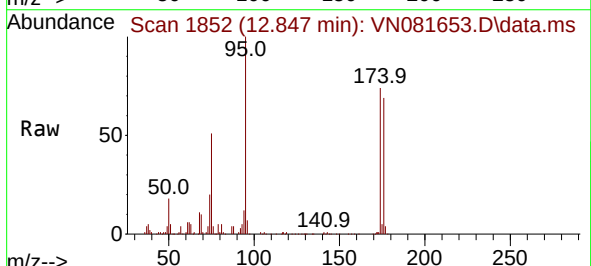
Tgt Ion: 95 Resp: 263405

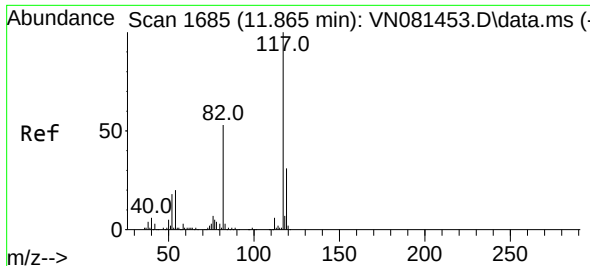
Ion Ratio Lower Upper

95 100

174 77.3 0.0 120.4

176 71.9 0.0 121.0

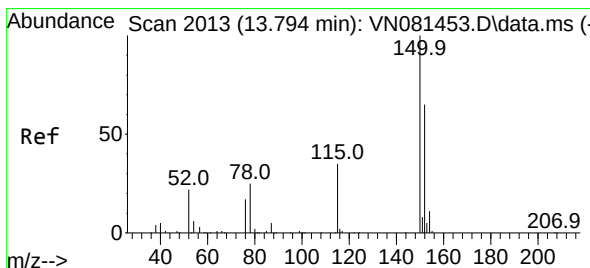
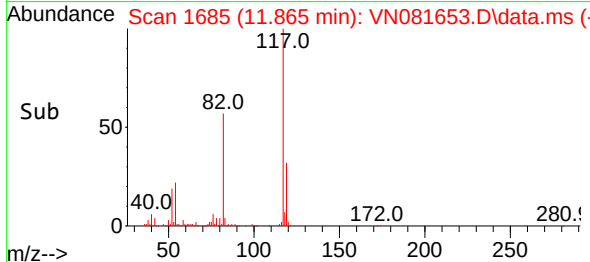
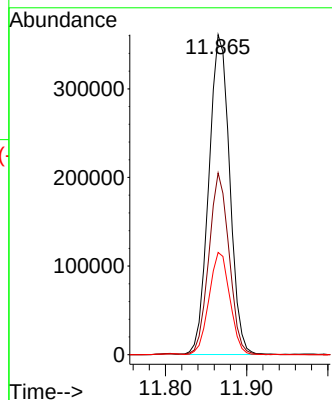
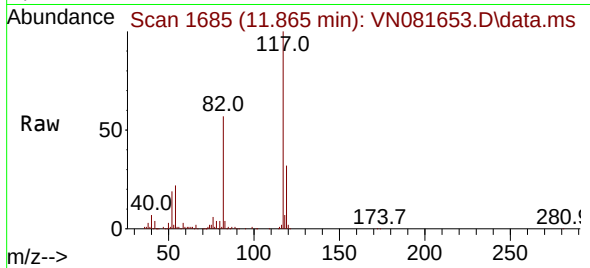




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN081653.D  
Acq: 02 Apr 2024 15:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion:117 Resp: 644493  
Ion Ratio Lower Upper  
117 100  
82 56.8 52.7 79.1  
119 31.9 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: VN081653.D  
Acq: 02 Apr 2024 15:01

Tgt Ion:152 Resp: 256418  
Ion Ratio Lower Upper  
152 100  
115 60.4 32.3 96.8  
150 159.1 0.0 339.8

