

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032224\  
 Data File : VN081537.D  
 Acq On : 22 Mar 2024 10:29  
 Operator : JC\MD  
 Sample : VN0322WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0322WBL01

Quant Time: Mar 23 00:10:06 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  | 472561   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 847605   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 710517   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 277686   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.576  | 65    | 278209   | 46.165   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 92.320% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 234465   | 43.831   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 87.660% |
| 50) Toluene-d8              | 10.565 | 98    | 835918   | 43.229   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 86.460% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 257081   | 37.731   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =    | 75.460% |

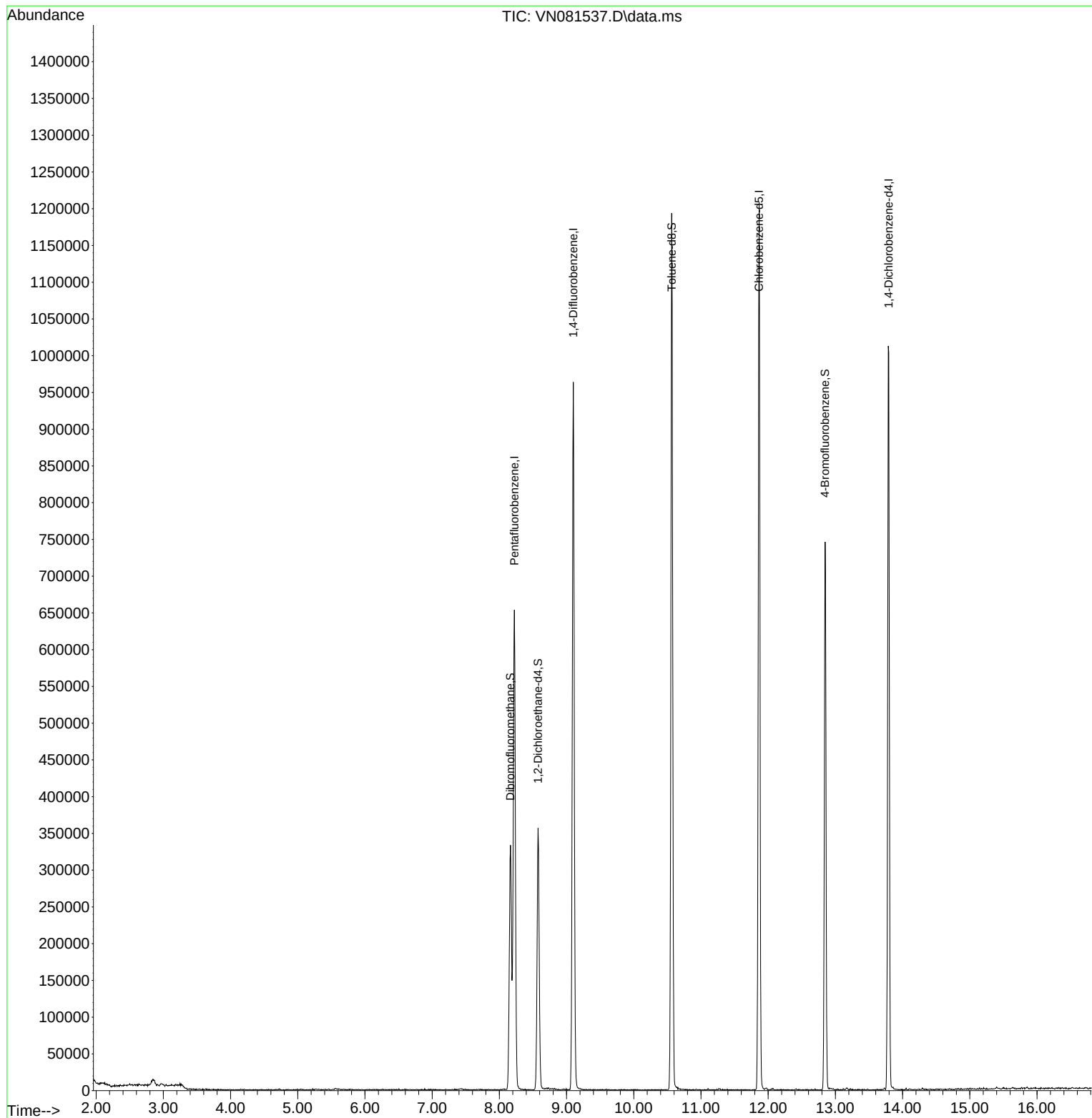
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

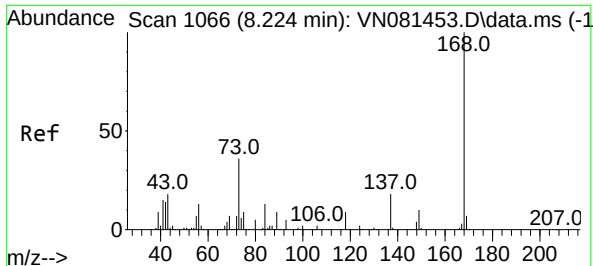
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Tue Mar 19 06:00:00 2024  
Response via : Initial Calibration

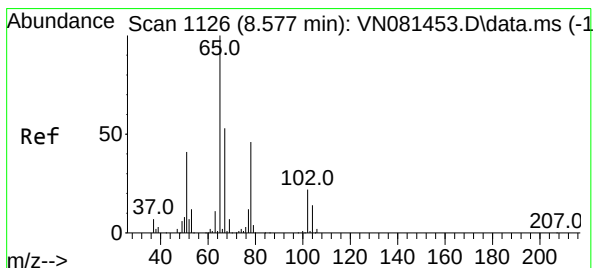
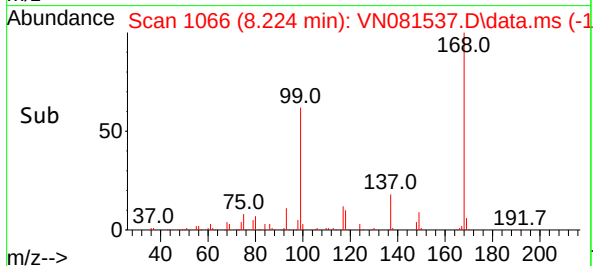
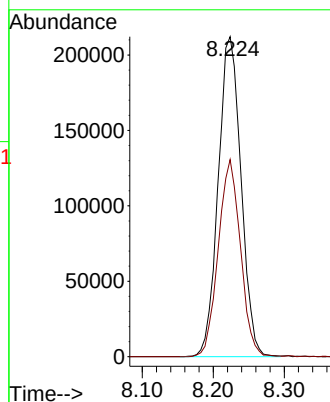
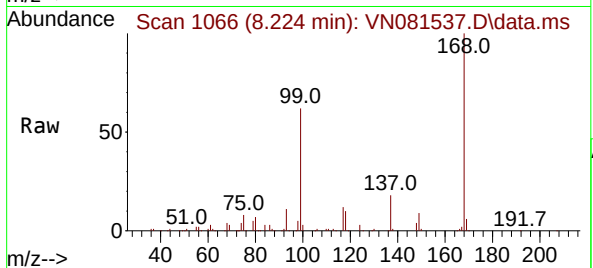




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN081537.D  
Acq: 22 Mar 2024 10:29

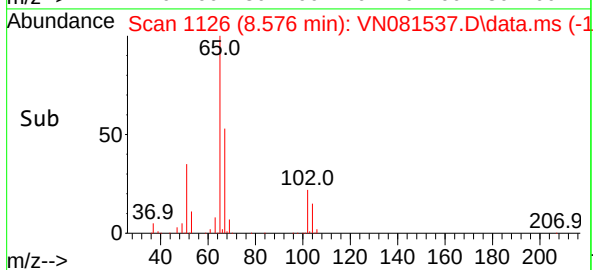
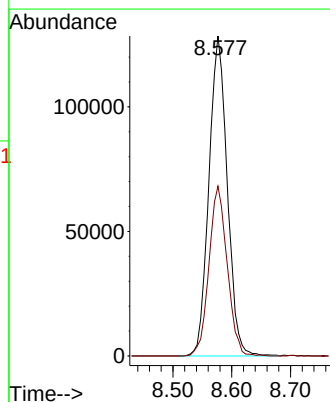
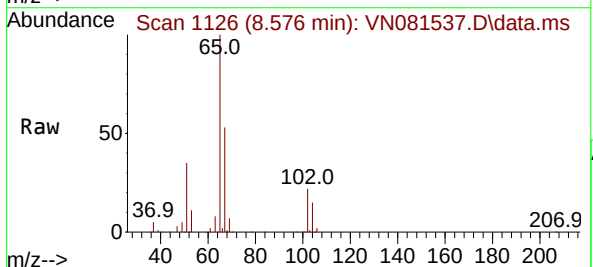
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0322WBL01

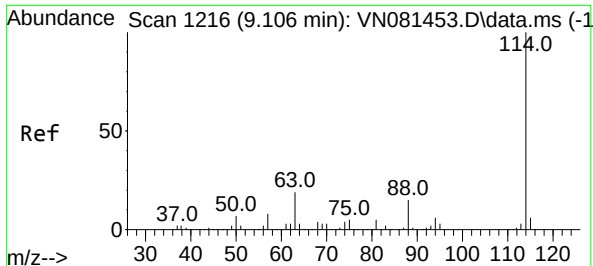
Tgt Ion:168 Resp: 472561  
Ion Ratio Lower Upper  
168 100  
99 61.6 59.9 89.9



#33  
1,2-Dichloroethane-d4  
Concen: 46.165 ug/l  
RT: 8.576 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN081537.D  
Acq: 22 Mar 2024 10:29

Tgt Ion: 65 Resp: 278209  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081537.D

Acq: 22 Mar 2024 10:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0322WBL01

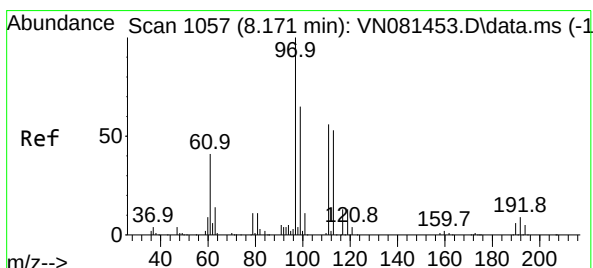
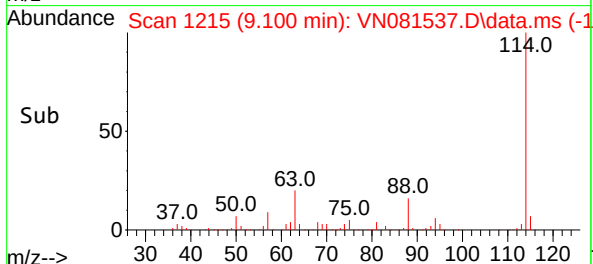
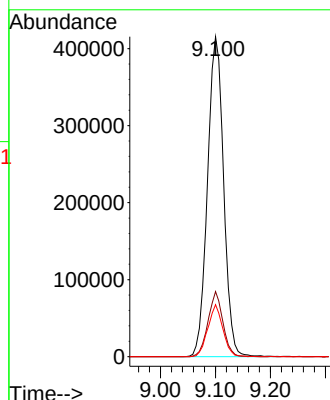
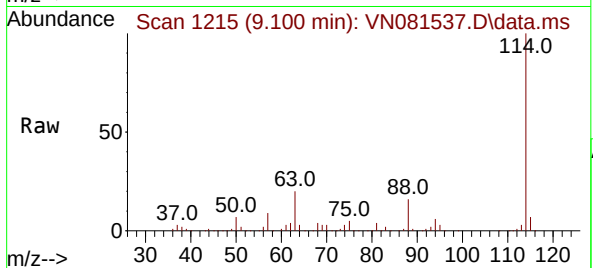
Tgt Ion:114 Resp: 847605

Ion Ratio Lower Upper

114 100

63 20.4 0.0 48.0

88 16.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 43.831 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081537.D

Acq: 22 Mar 2024 10:29

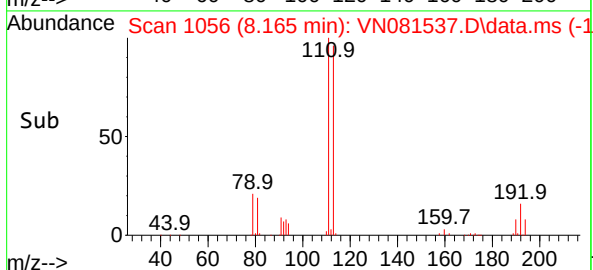
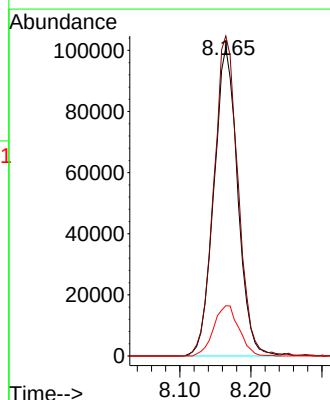
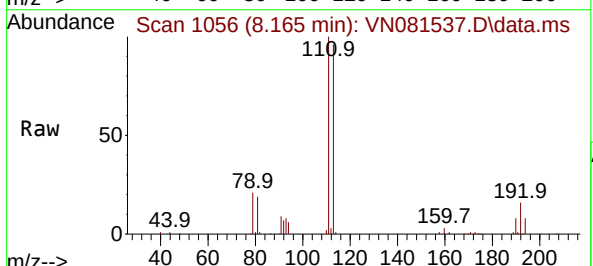
Tgt Ion:113 Resp: 234465

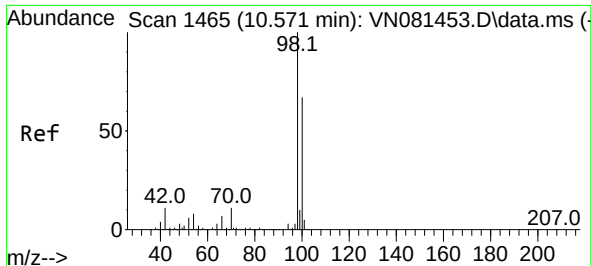
Ion Ratio Lower Upper

113 100

111 105.8 82.2 123.4

192 17.3 12.5 18.7

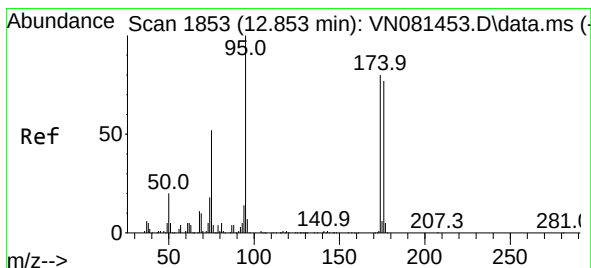
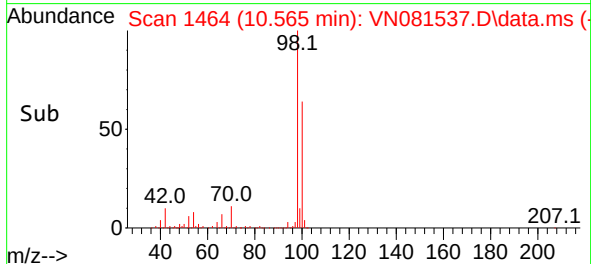
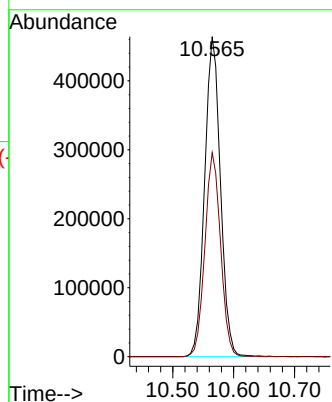
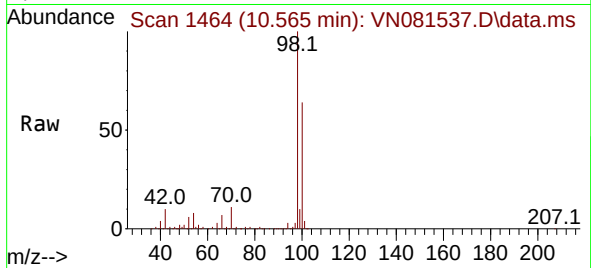




#50  
Toluene-d8  
Concen: 43.229 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN081537.D  
Acq: 22 Mar 2024 10:29

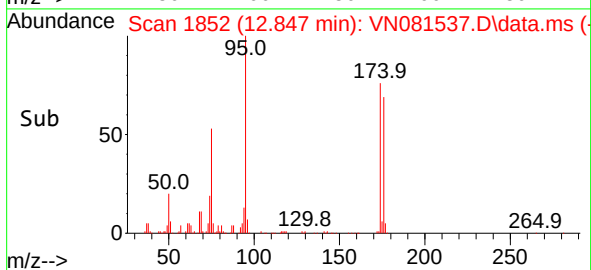
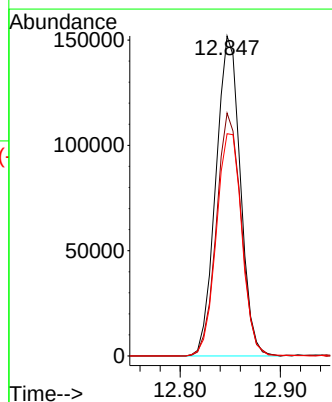
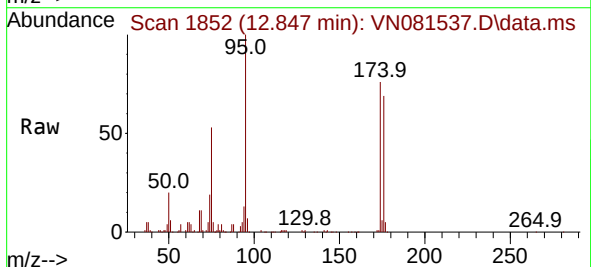
Instrument :  
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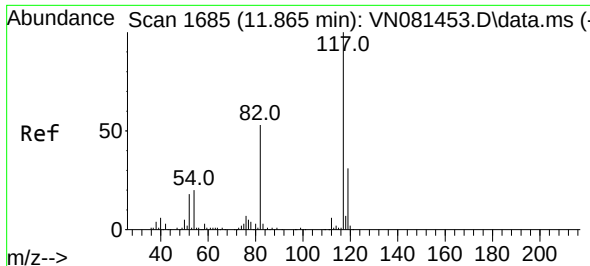
Tgt Ion: 98 Resp: 835918  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 37.731 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.006 min  
Lab File: VN081537.D  
Acq: 22 Mar 2024 10:29

Tgt Ion: 95 Resp: 257081  
Ion Ratio Lower Upper  
95 100  
174 76.8 0.0 120.4  
176 72.8 0.0 121.0

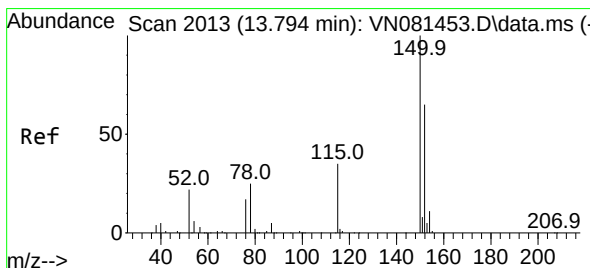
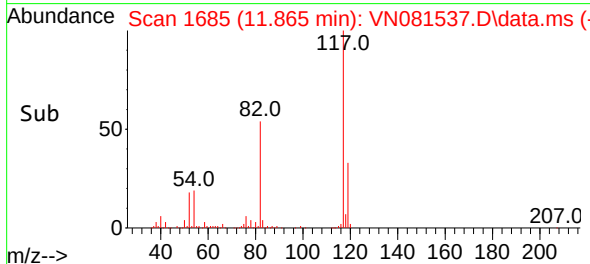
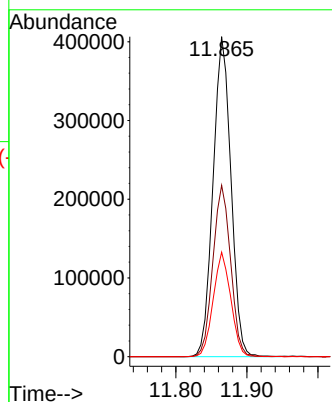
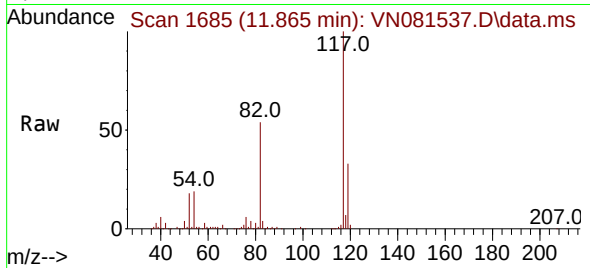




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN081537.D  
Acq: 22 Mar 2024 10:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0322WBL01

Tgt Ion:117 Resp: 710517  
Ion Ratio Lower Upper  
117 100  
82 53.6 52.7 79.1  
119 32.6 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: VN081537.D  
Acq: 22 Mar 2024 10:29

Tgt Ion:152 Resp: 277686  
Ion Ratio Lower Upper  
152 100  
115 61.3 32.3 96.8  
150 157.3 0.0 339.8

