

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051425\  
 Data File : VN086624.D  
 Acq On : 14 May 2025 14:08  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: May 15 03:03:26 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 16 04:19:23 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.218  | 168  | 155822   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 300163   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 292915   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 130284   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 112634   | 49.848   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 99.700%   |
| 35) Dibromofluoromethane    | 8.165  | 113   | 91728    | 65.845   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 131.680%# |
| 50) Toluene-d8              | 10.565 | 98    | 386477   | 51.908   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 103.820%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 140812   | 51.852   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 103.700%  |

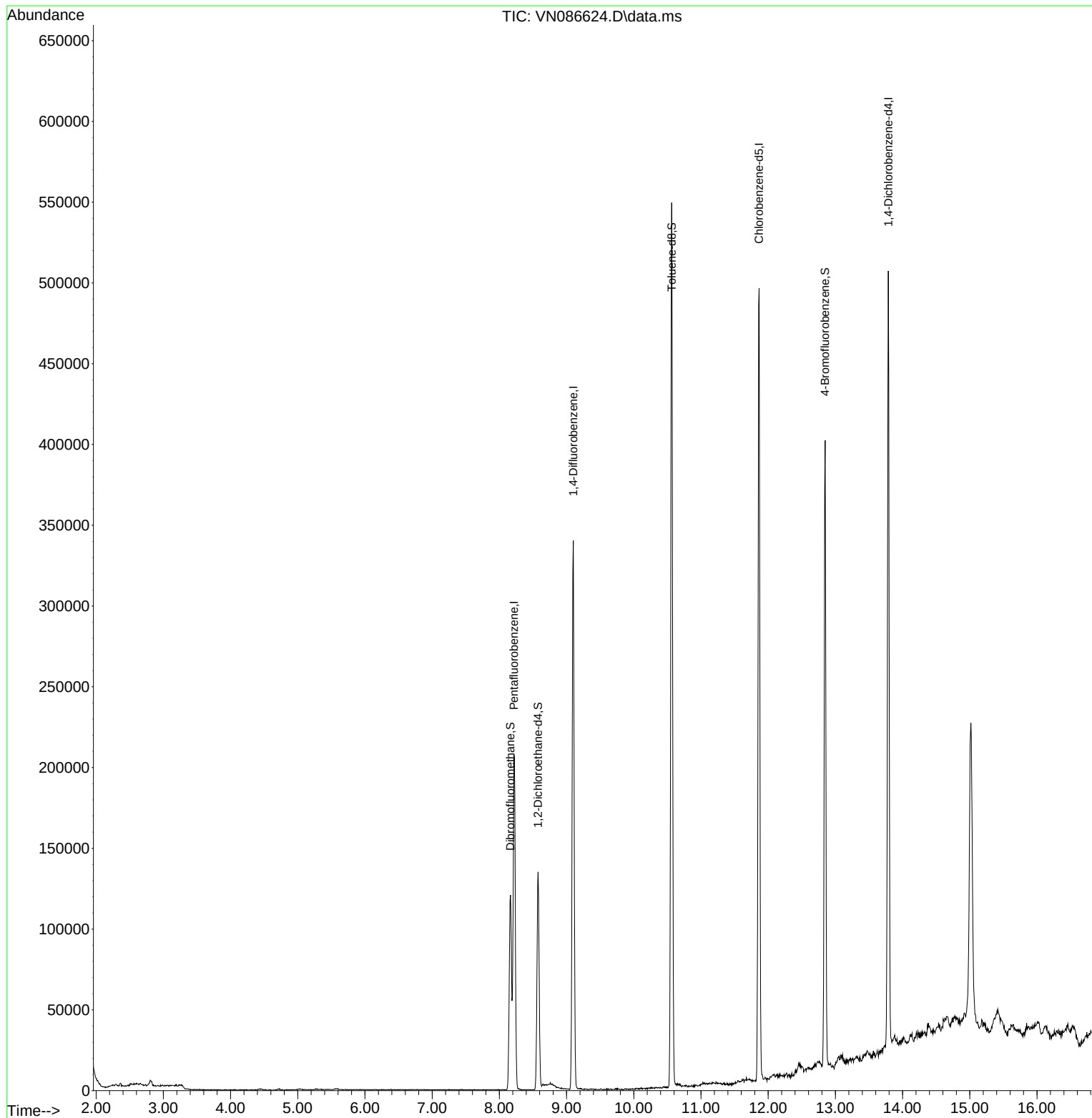
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

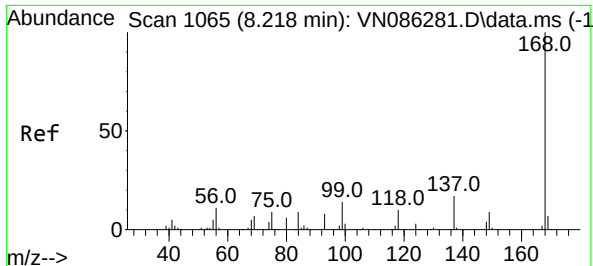
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Apr 16 04:19:23 2025  
Response via : Initial Calibration

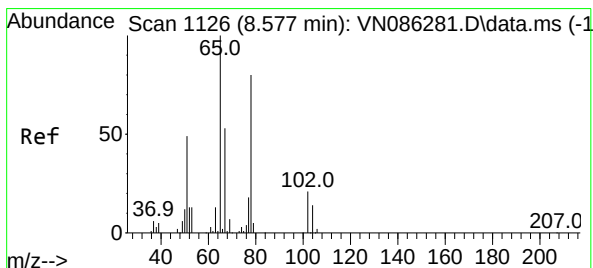
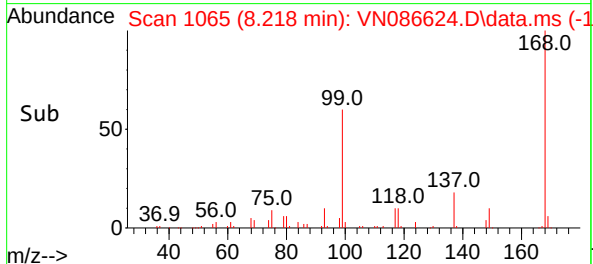
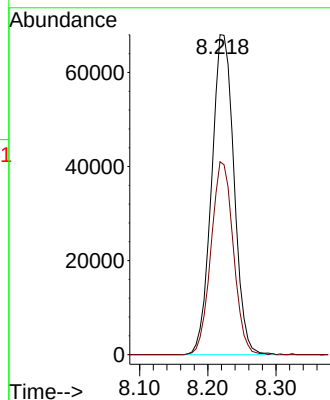
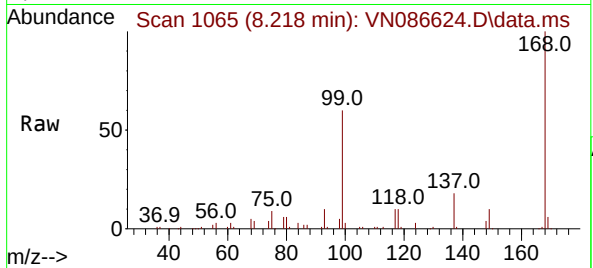




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VN086624.D  
Acq: 14 May 2025 14:08

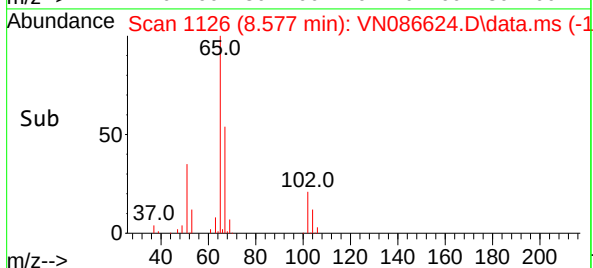
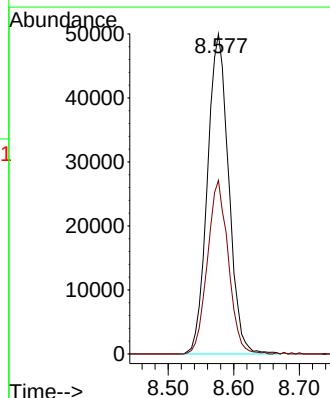
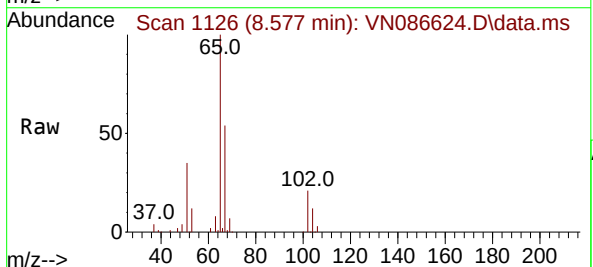
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

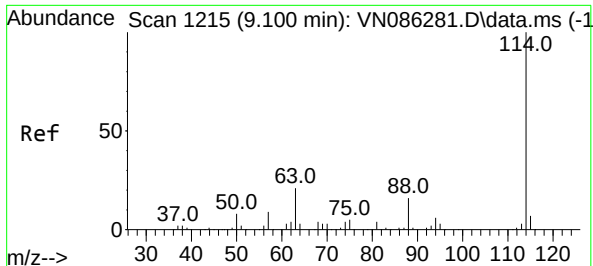
Tgt Ion:168 Resp: 155822  
Ion Ratio Lower Upper  
168 100  
99 60.3 52.5 78.7



#33  
1,2-Dichloroethane-d4  
Concen: 49.848 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086624.D  
Acq: 14 May 2025 14:08

Tgt Ion: 65 Resp: 112634  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086624.D

Acq: 14 May 2025 14:08

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

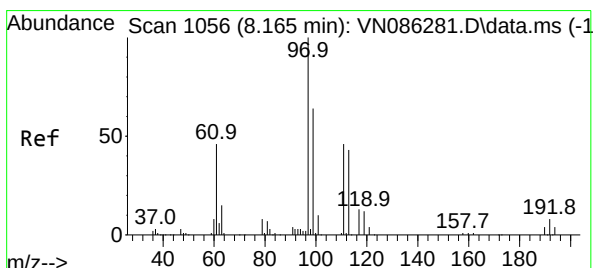
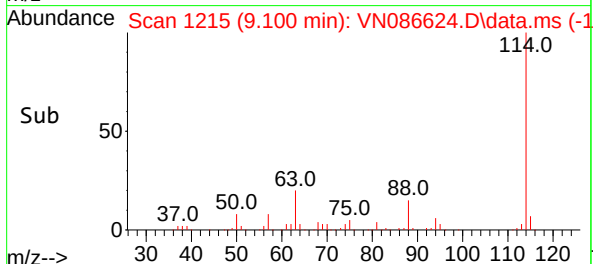
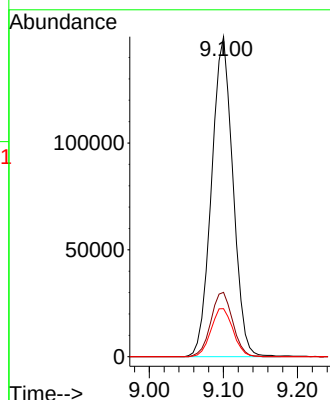
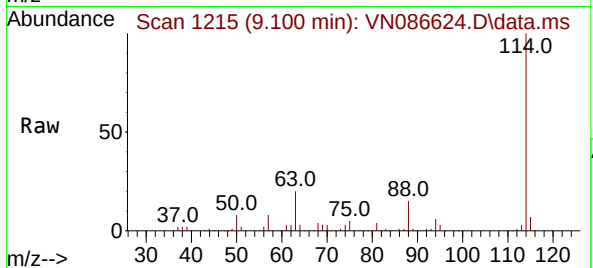
Tgt Ion:114 Resp: 300163

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 65.845 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086624.D

Acq: 14 May 2025 14:08

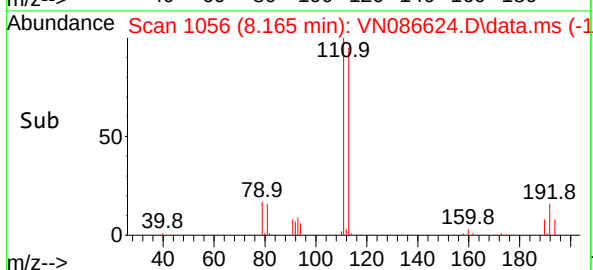
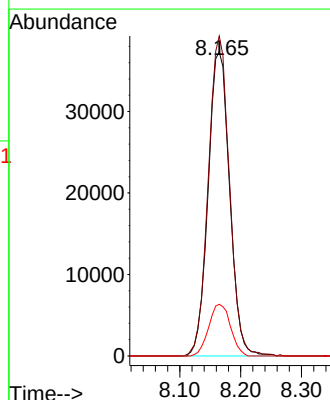
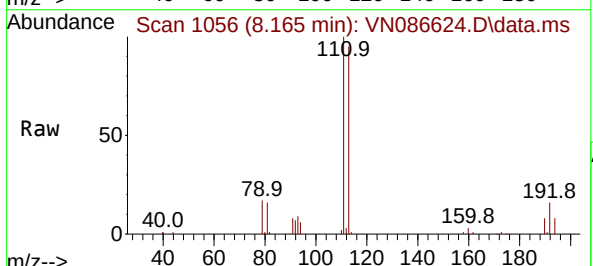
Tgt Ion:113 Resp: 91728

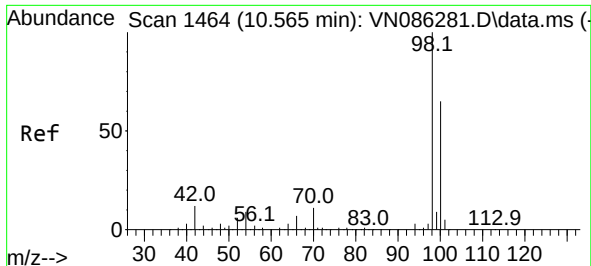
Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.0

192 17.2 13.7 20.5

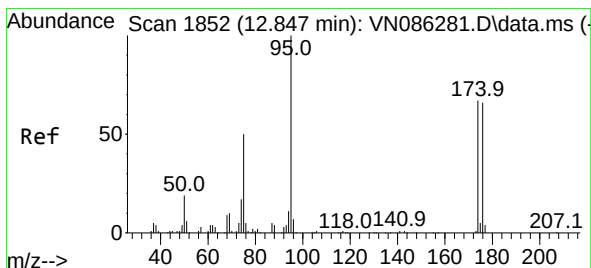
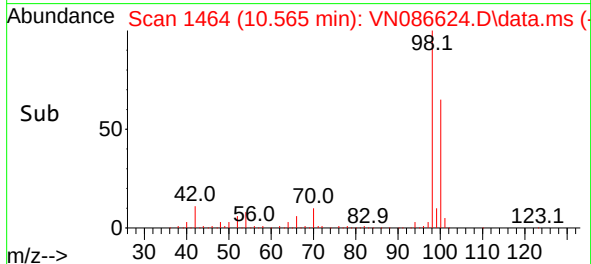
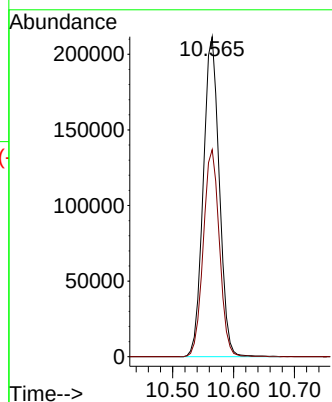
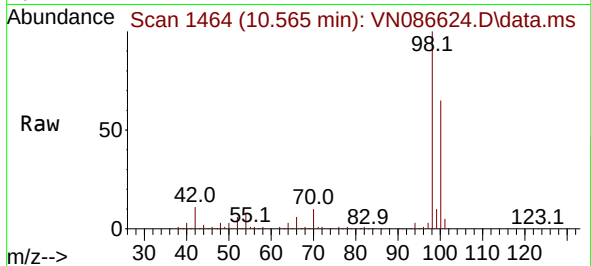




#50  
Toluene-d8  
Concen: 51.908 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086624.D  
Acq: 14 May 2025 14:08

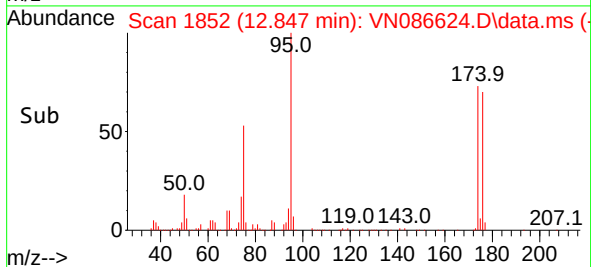
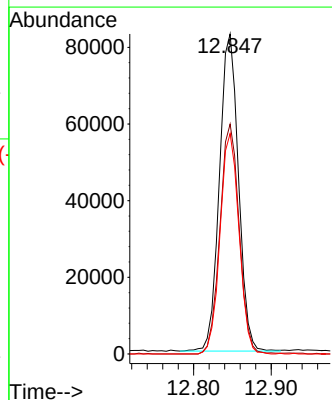
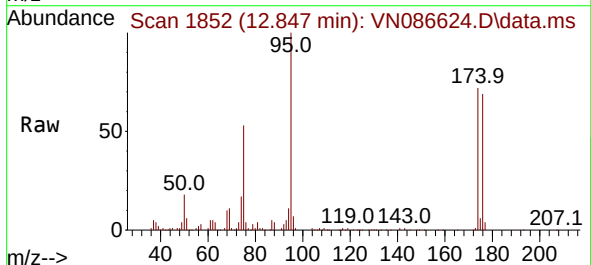
Instrument :  
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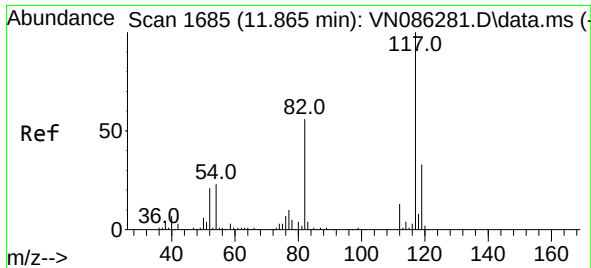
Tgt Ion: 98 Resp: 386477  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 51.852 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086624.D  
Acq: 14 May 2025 14:08

Tgt Ion: 95 Resp: 140812  
Ion Ratio Lower Upper  
95 100  
174 73.5 0.0 133.4  
176 69.2 0.0 129.2

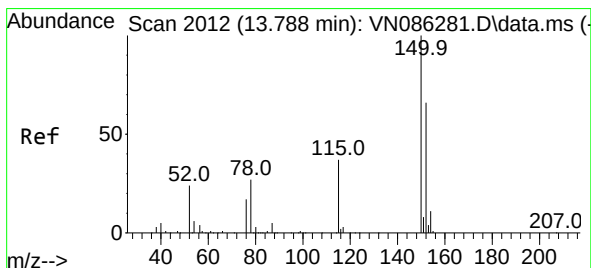
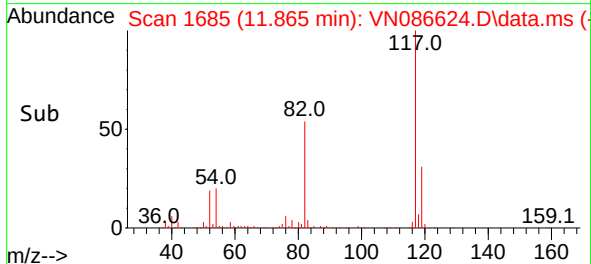
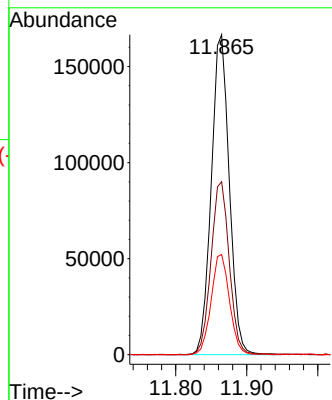
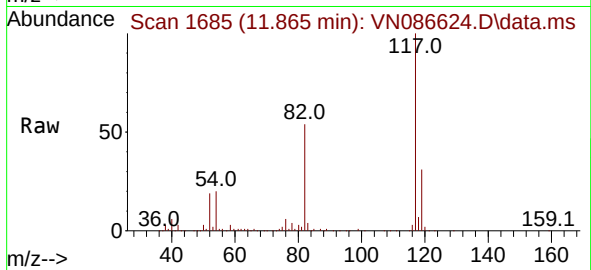




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086624.D  
Acq: 14 May 2025 14:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.9  | 44.7  | 67.1  |
| 119     | 31.3  | 26.4  | 39.6  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN086624.D  
Acq: 14 May 2025 14:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.1  | 31.9  | 95.9  |
| 150     | 158.3 | 0.0   | 352.0 |

