

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN043025\  
 Data File : VN086426.D  
 Acq On : 30 Apr 2025 10:51  
 Operator : JC\MD  
 Sample : VN0430MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0430MBL01

Quant Time: May 01 01:32:41 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      | 8.224  | 168  | 160746   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 305188   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 280450   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 120410   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 114003   | 48.908   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 97.820%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 81831    | 57.773   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 115.540% |
| 50) Toluene-d8              | 10.565 | 98    | 383504   | 50.661   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 101.320% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 132802   | 48.097   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 96.200%  |

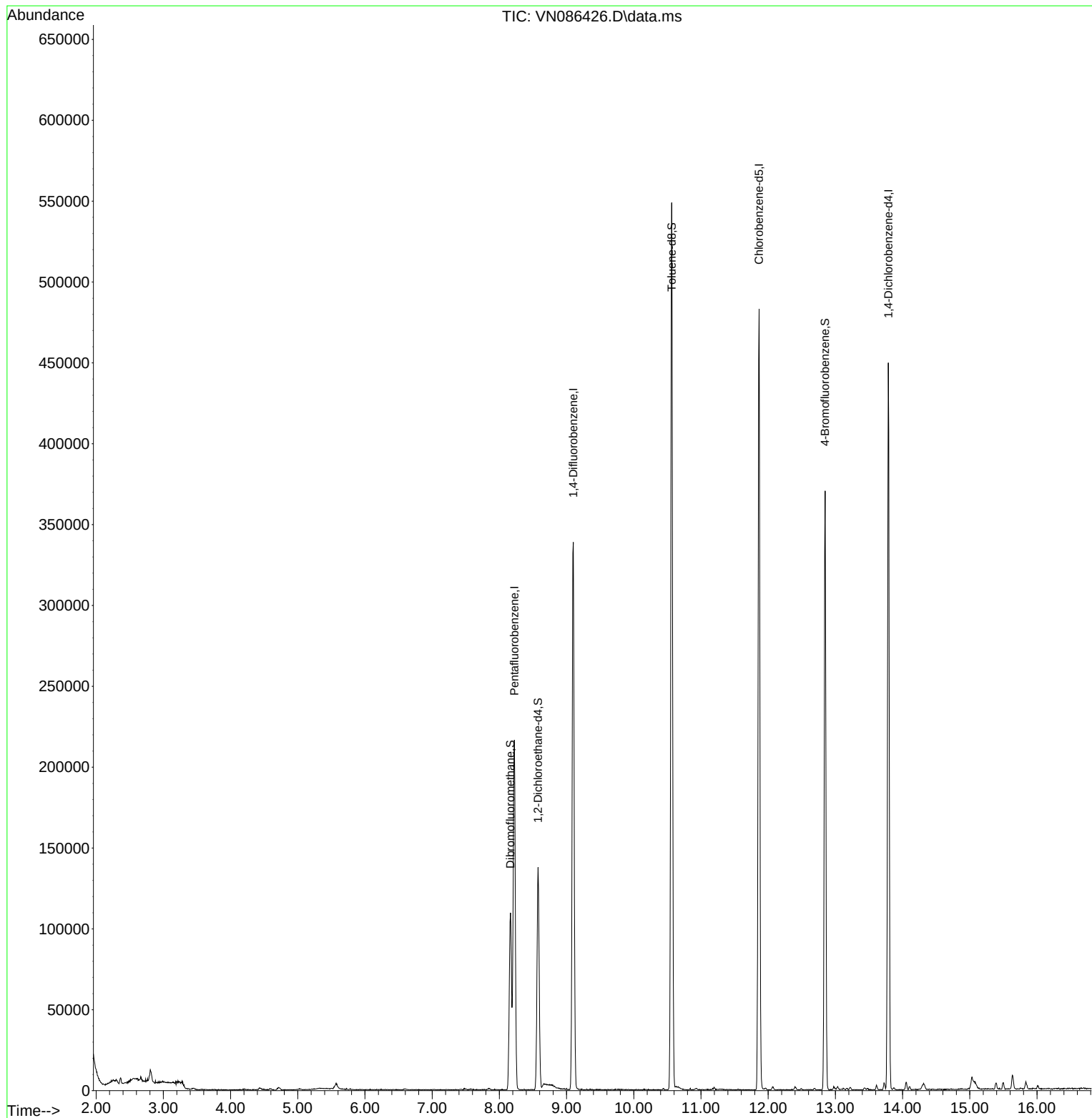
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

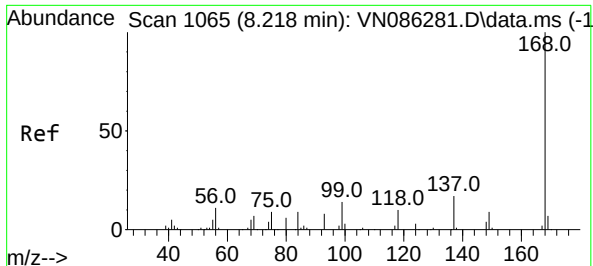
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0430MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0430MBL01

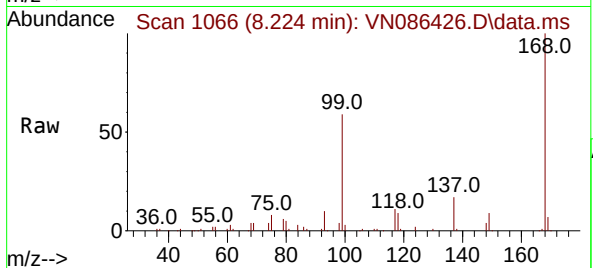
Quant Time: May 01 01:32:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 16 04:19:23 2025  
Response via : Initial Calibration



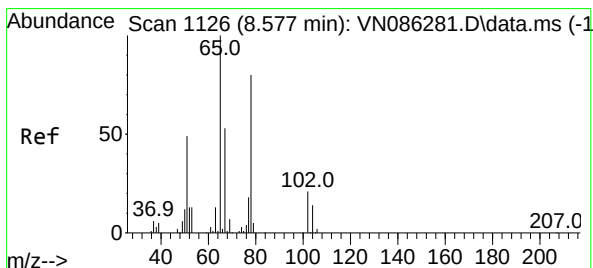
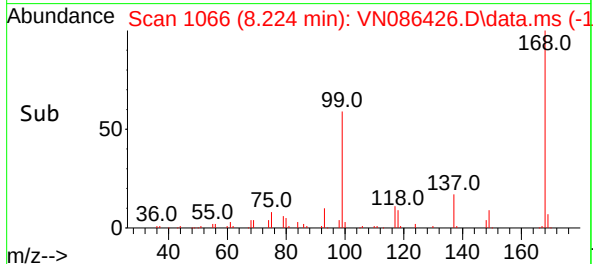
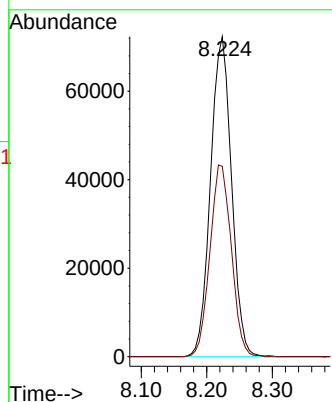


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN086426.D  
Acq: 30 Apr 2025 10:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0430MBL01

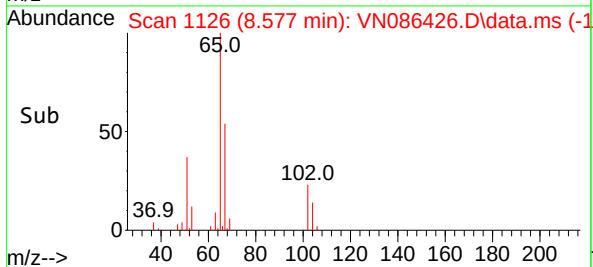
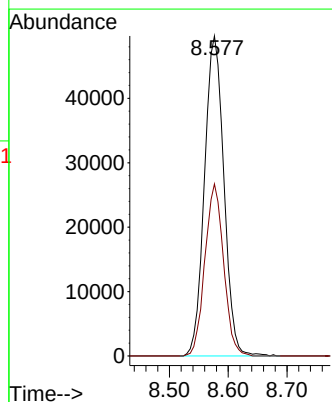
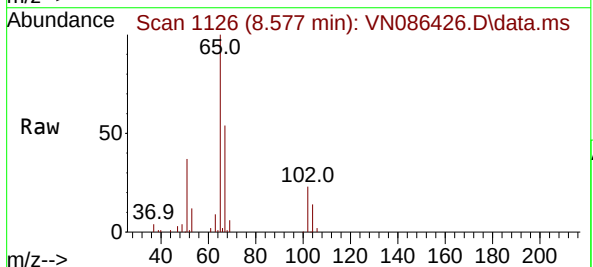


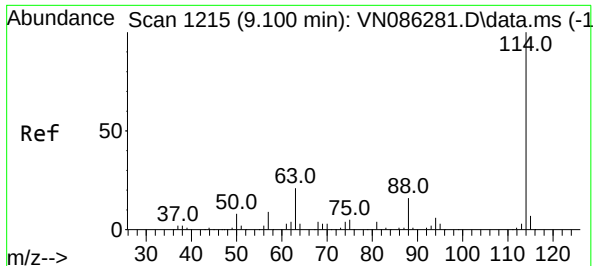
Tgt Ion:168 Resp: 160746  
Ion Ratio Lower Upper  
168 100  
99 59.5 52.5 78.7



#33  
1,2-Dichloroethane-d4  
Concen: 48.908 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086426.D  
Acq: 30 Apr 2025 10:51

Tgt Ion: 65 Resp: 114003  
Ion Ratio Lower Upper  
65 100  
67 51.8 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: VN086426.D

Acq: 30 Apr 2025 10:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0430MBL01

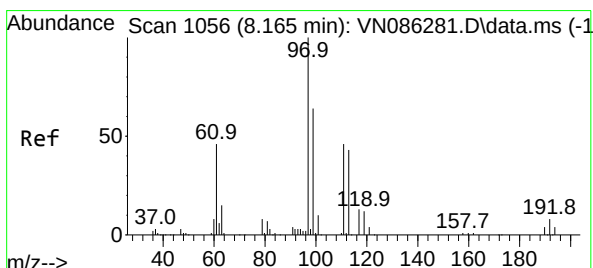
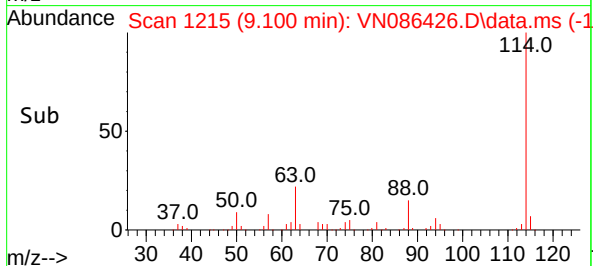
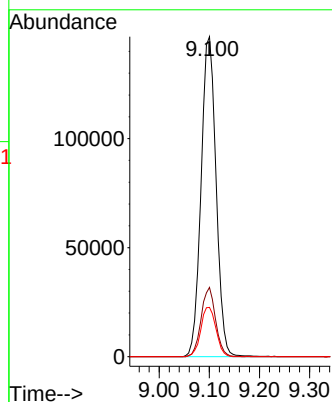
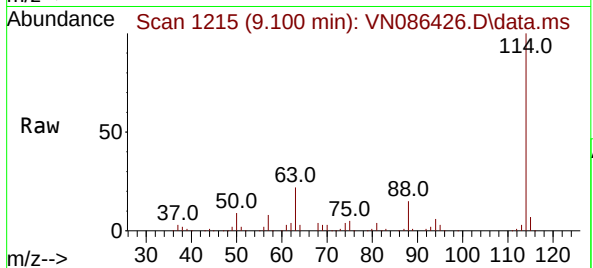
Tgt Ion:114 Resp: 305188

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.6

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 57.773 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086426.D

Acq: 30 Apr 2025 10:51

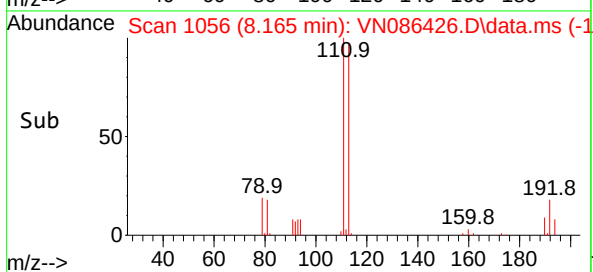
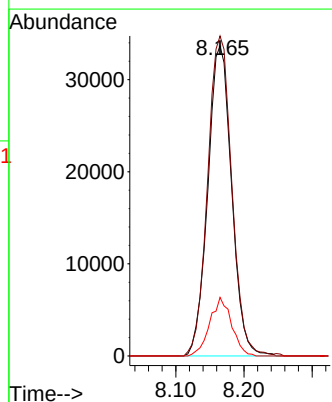
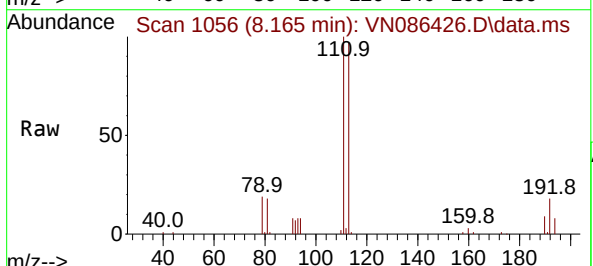
Tgt Ion:113 Resp: 81831

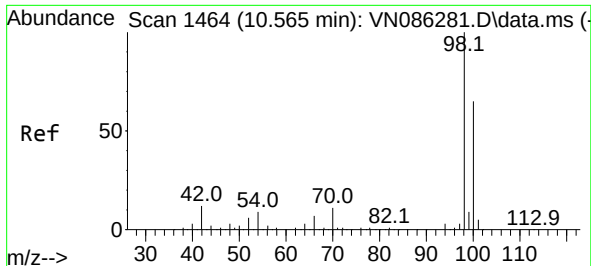
Ion Ratio Lower Upper

113 100

111 104.6 83.4 125.0

192 17.3 13.7 20.5

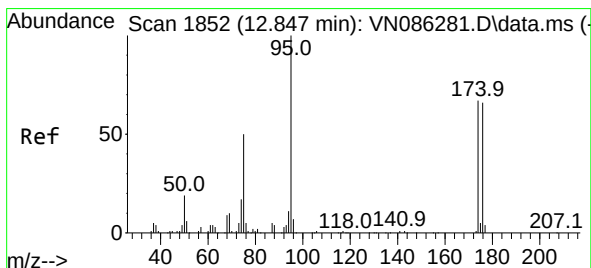
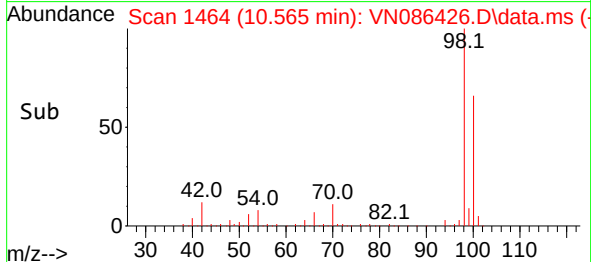
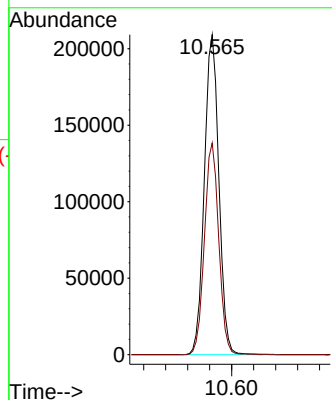
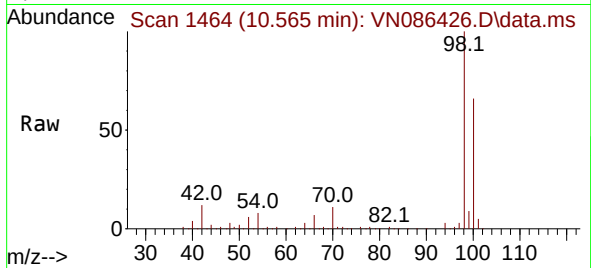




#50  
Toluene-d8  
Concen: 50.661 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086426.D  
Acq: 30 Apr 2025 10:51

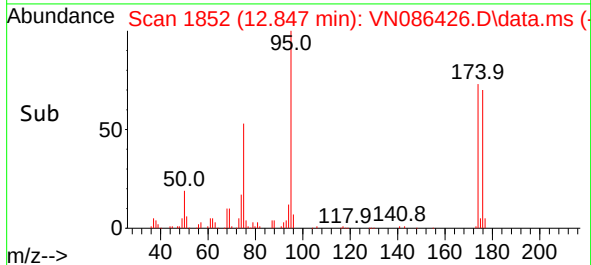
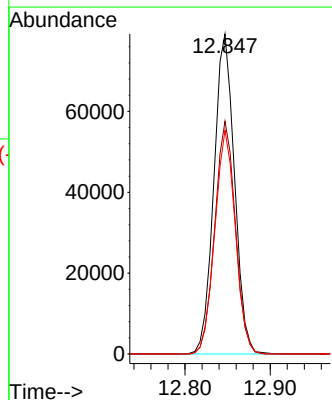
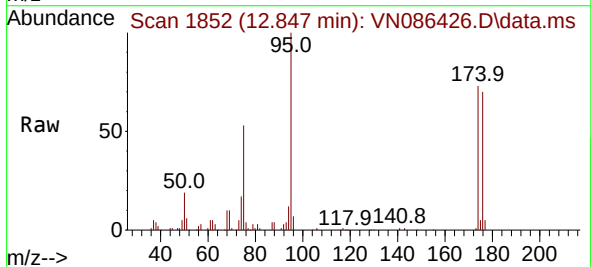
Instrument :  
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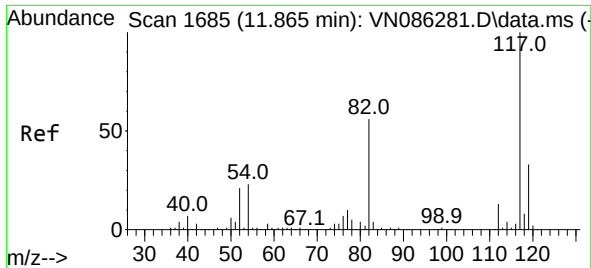
Tgt Ion: 98 Resp: 383504  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 48.097 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086426.D  
Acq: 30 Apr 2025 10:51

Tgt Ion: 95 Resp: 132802  
Ion Ratio Lower Upper  
95 100  
174 72.8 0.0 133.4  
176 69.7 0.0 129.2

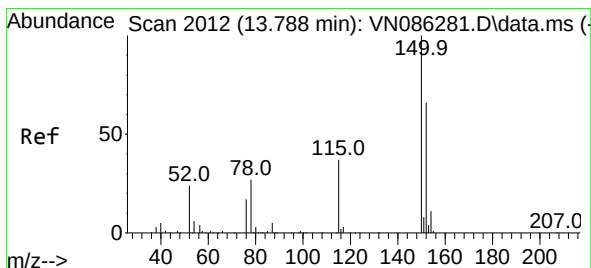
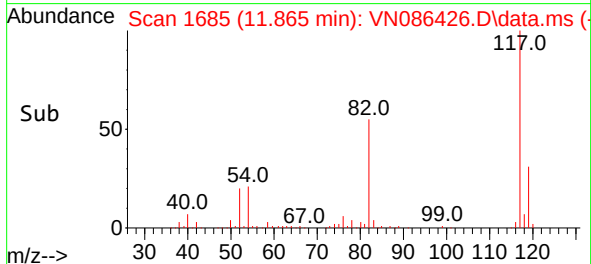
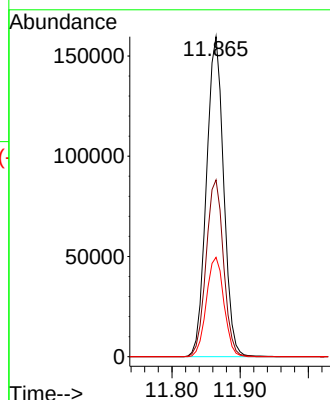
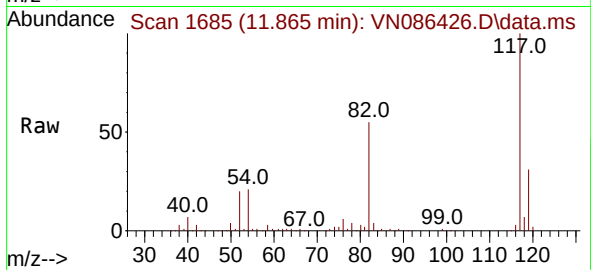




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN086426.D  
Acq: 30 Apr 2025 10:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0430MBL01

Tgt Ion:117 Resp: 280450  
Ion Ratio Lower Upper  
117 100  
82 55.2 44.7 67.1  
119 31.0 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: VN086426.D  
Acq: 30 Apr 2025 10:51

Tgt Ion:152 Resp: 120410  
Ion Ratio Lower Upper  
152 100  
115 60.7 31.9 95.9  
150 157.0 0.0 352.0

