

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040125\  
 Data File : VN086192.D  
 Acq On : 01 Apr 2025 13:05  
 Operator : JC\MD  
 Sample : VN0401MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0401MBL01

Quant Time: Apr 02 01:52:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 19 03:20:56 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 124485   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 231146   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 209913   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 84114    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 104272   | 61.170   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 122.340% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 84664    | 52.476   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.960% |
| 50) Toluene-d8              | 10.565 | 98    | 278379   | 47.542   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 95.080%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 85931    | 41.150   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 82.300%  |

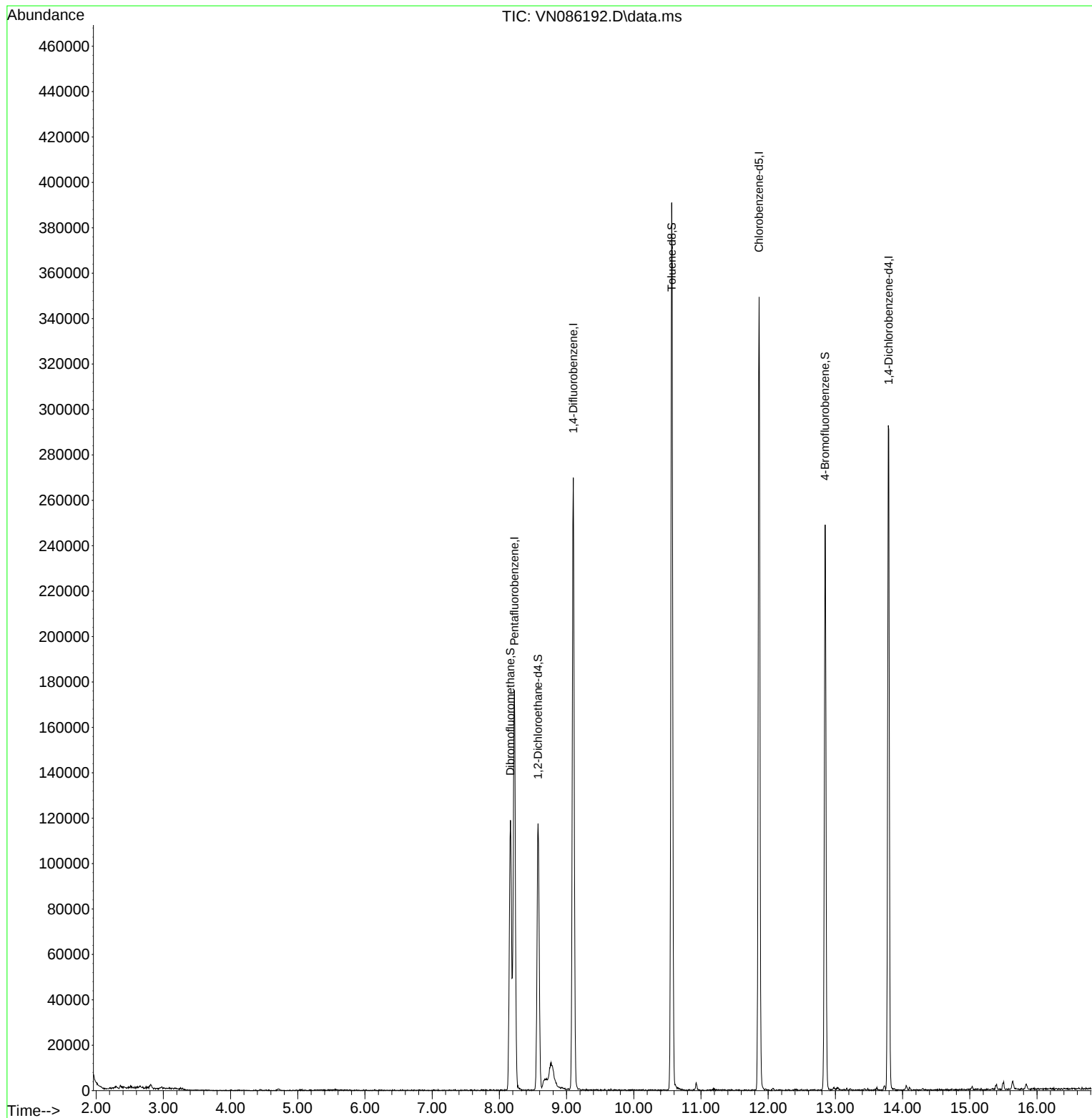
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

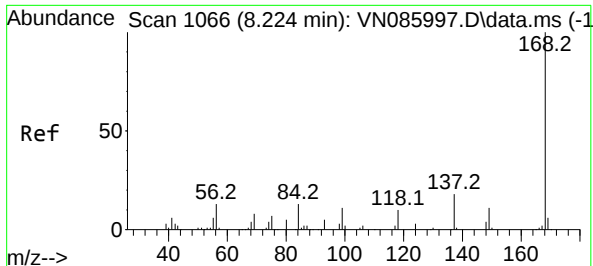
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Title : SW846 8260  
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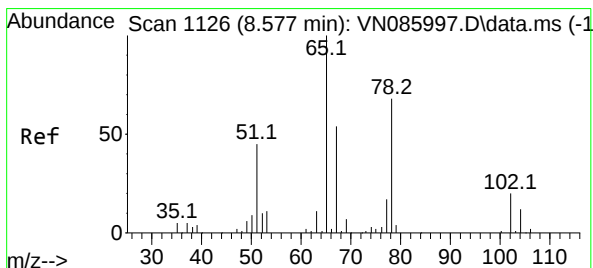
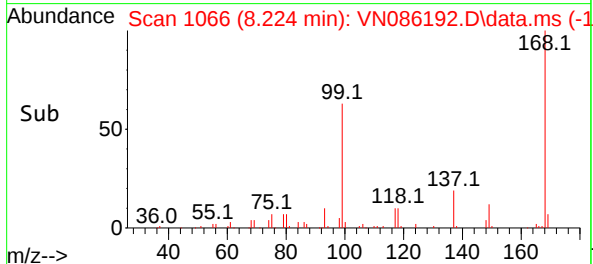
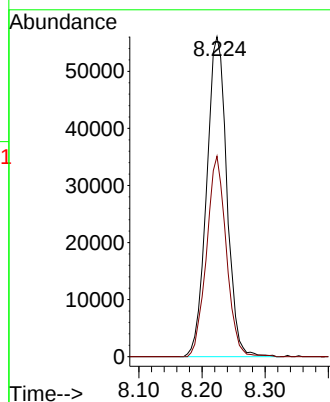
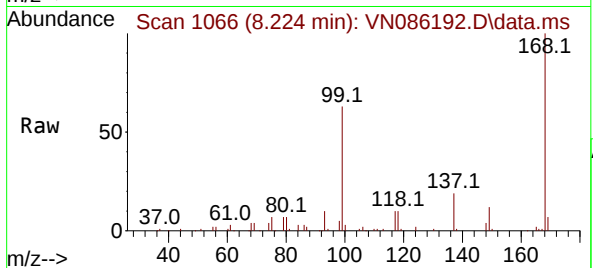




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN086192.D  
Acq: 01 Apr 2025 13:05

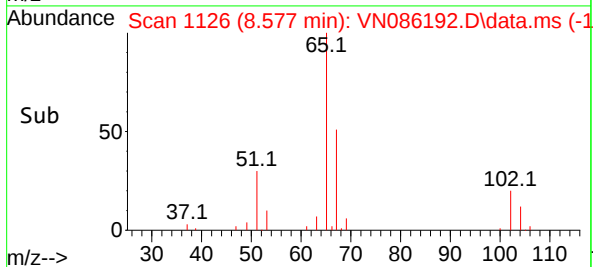
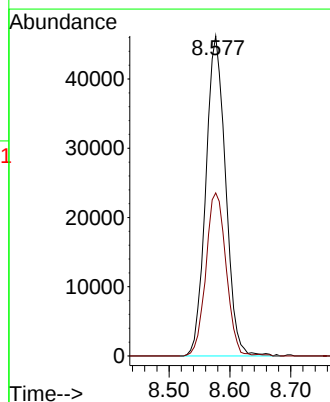
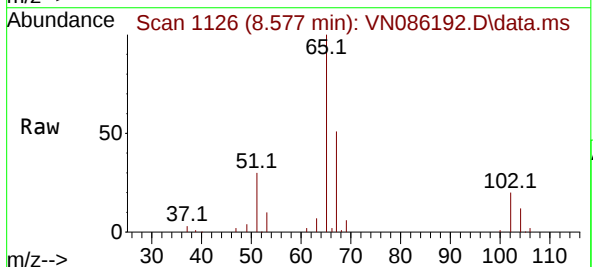
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0401MBL01

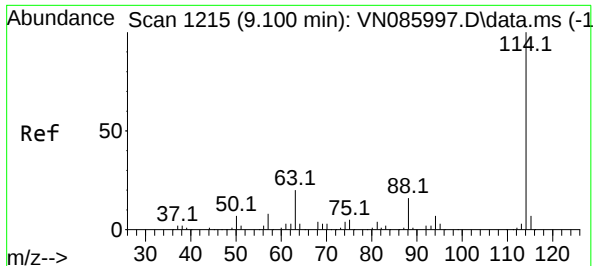
Tgt Ion:168 Resp: 124485  
Ion Ratio Lower Upper  
168 100  
99 62.6 49.4 74.2



#33  
1,2-Dichloroethane-d4  
Concen: 61.170 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086192.D  
Acq: 01 Apr 2025 13:05

Tgt Ion: 65 Resp: 104272  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086192.D

Acq: 01 Apr 2025 13:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0401MBL01

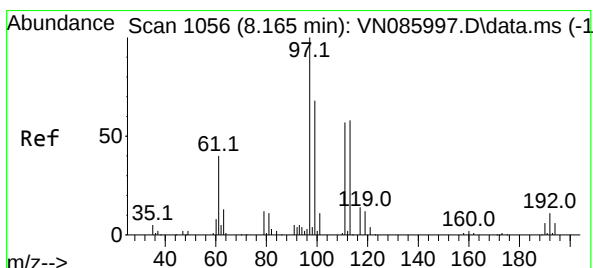
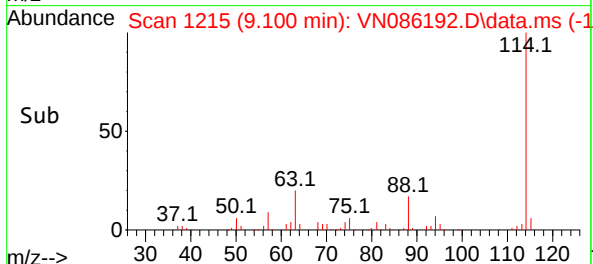
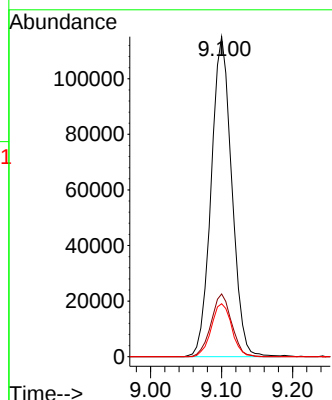
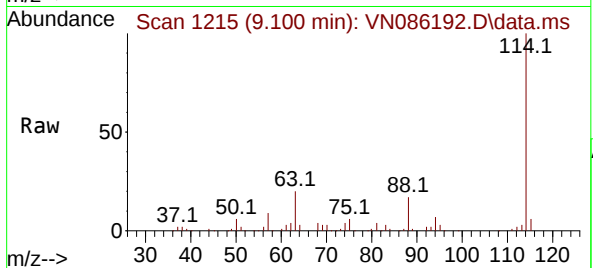
Tgt Ion:114 Resp: 231146

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.476 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086192.D

Acq: 01 Apr 2025 13:05

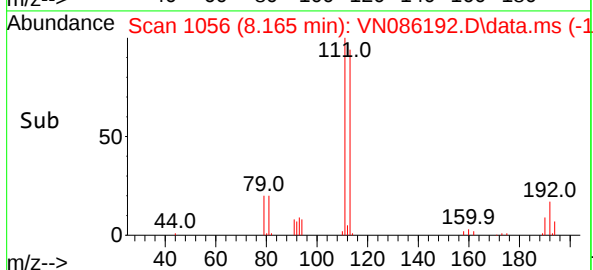
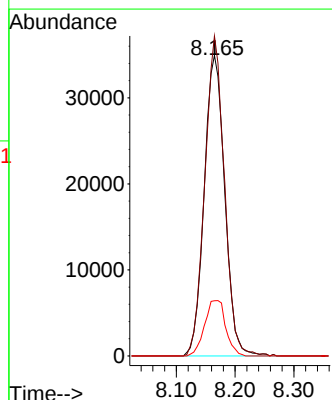
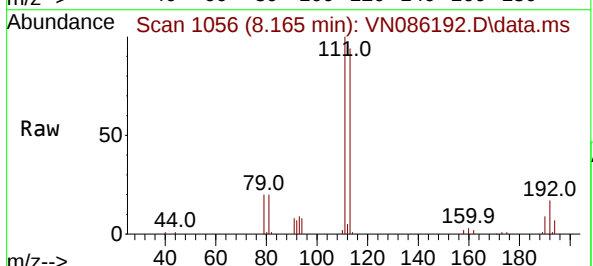
Tgt Ion:113 Resp: 84664

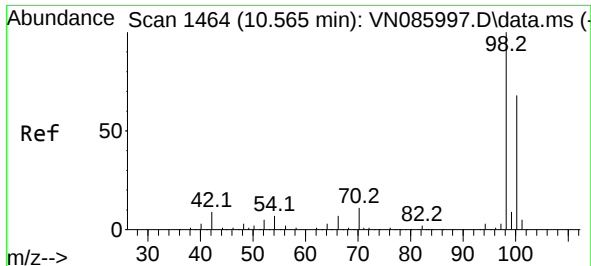
Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

192 19.0 15.9 23.9

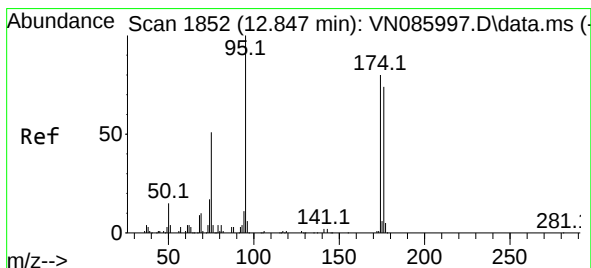
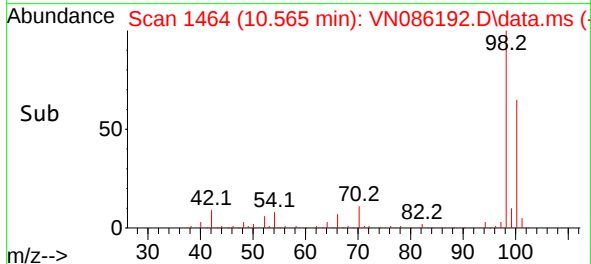
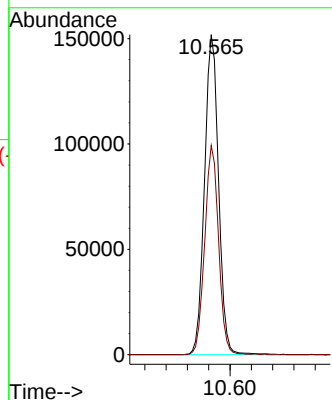
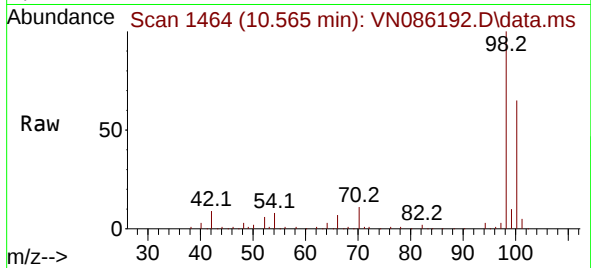




#50  
Toluene-d8  
Concen: 47.542 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086192.D  
Acq: 01 Apr 2025 13:05

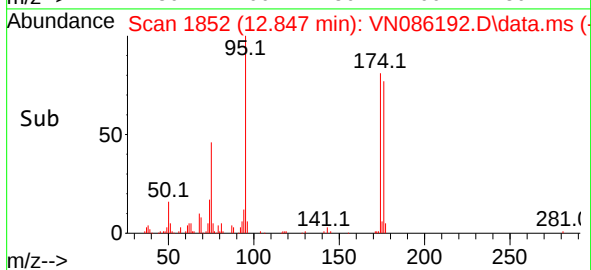
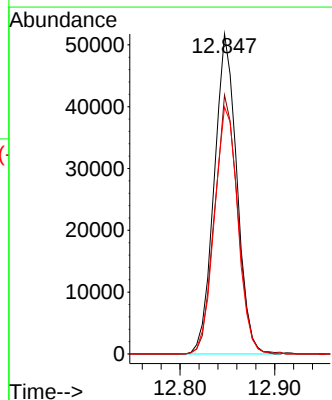
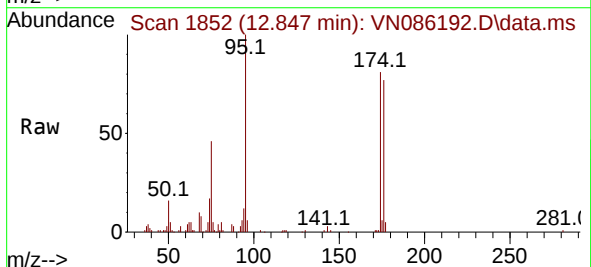
Instrument :  
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VN0401MBL01

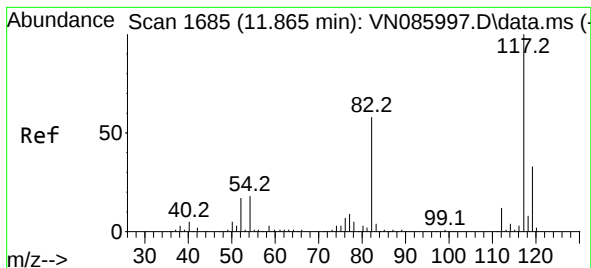
Tgt Ion: 98 Resp: 278379  
Ion Ratio Lower Upper  
98 100  
100 64.4 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 41.150 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086192.D  
Acq: 01 Apr 2025 13:05

Tgt Ion: 95 Resp: 85931  
Ion Ratio Lower Upper  
95 100  
174 82.4 0.0 156.8  
176 80.0 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086192.D

Acq: 01 Apr 2025 13:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0401MBL01

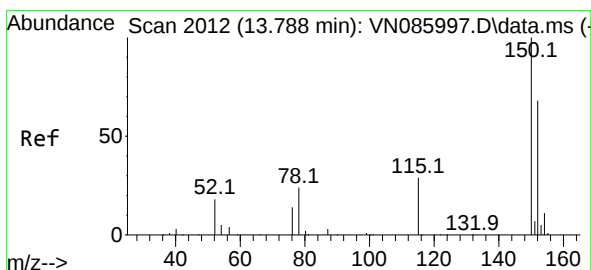
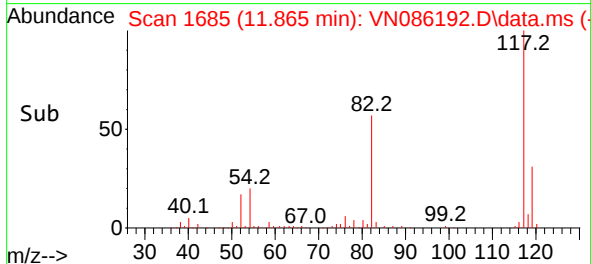
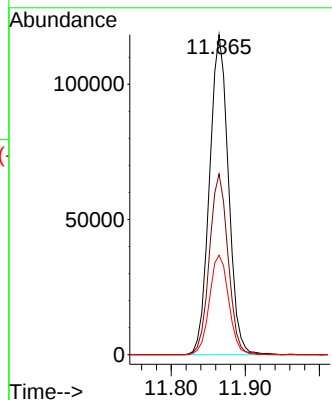
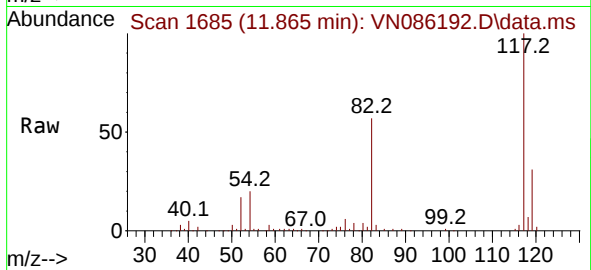
Tgt Ion:117 Resp: 209913

Ion Ratio Lower Upper

117 100

82 56.5 46.7 70.1

119 31.1 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN086192.D

Acq: 01 Apr 2025 13:05

Tgt Ion:152 Resp: 84114

Ion Ratio Lower Upper

152 100

115 62.1 31.1 93.2

150 158.0 0.0 359.6

