

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012825\  
 Data File : VN085532.D  
 Acq On : 28 Jan 2025 12:36  
 Operator : JC\MD  
 Sample : Q1180-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Storage-Blank-SAMPLE-MANAGEMENT

Quant Time: Jan 29 01:34:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon           | Response | Conc       | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|-------|----------|
| -----                       |        |                |          |            |       |          |
| Internal Standards          |        |                |          |            |       |          |
| 1) Pentafluorobenzene       | 8.224  | 168            | 180283   | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114            | 325340   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117            | 283619   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152            | 106780   | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds |        |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65             | 156340   | 53.723     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | = 107.440% |       |          |
| 35) Dibromofluoromethane    | 8.165  | 113            | 119192   | 52.809     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 105.620% |       |          |
| 50) Toluene-d8              | 10.565 | 98             | 400005   | 49.880     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | = 99.760%  |       |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95             | 117774   | 42.933     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 77 - 121 | Recovery | = 85.860%  |       |          |

Target Compounds Qvalue

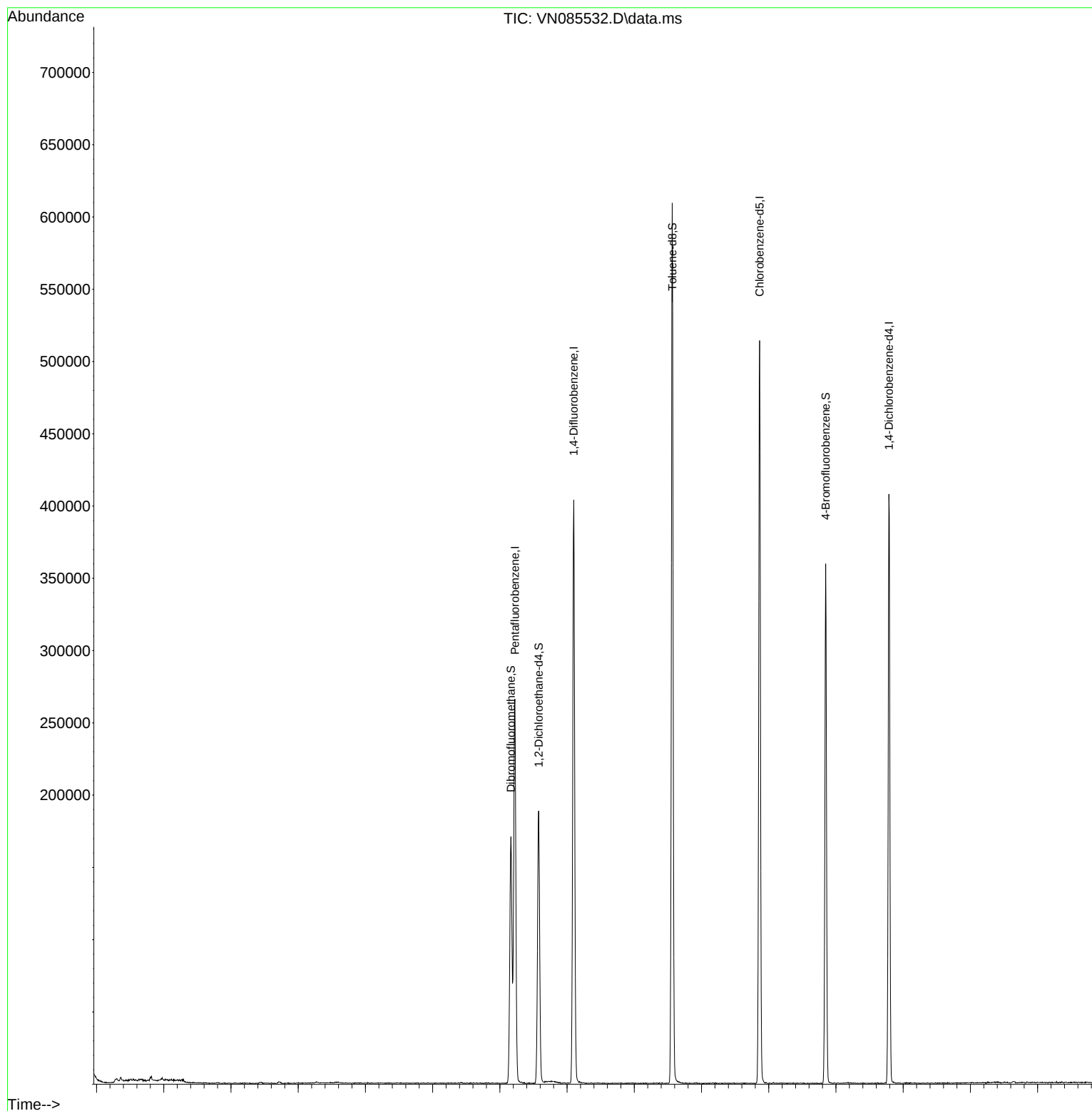
-----

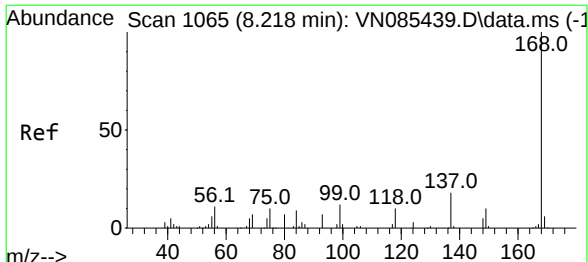
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012825\  
Data File : VN085532.D  
Acq On : 28 Jan 2025 12:36  
Operator : JC\MD  
Sample : Q1180-04  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
Storage-Blank-SAMPLE-MANAGEMENT

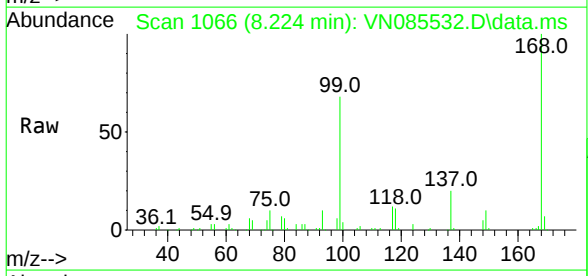
Quant Time: Jan 29 01:34:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration



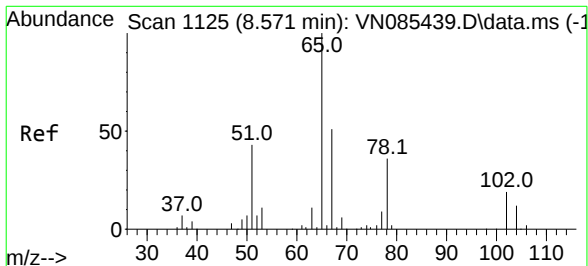
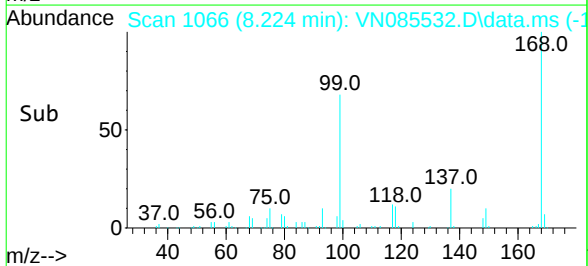
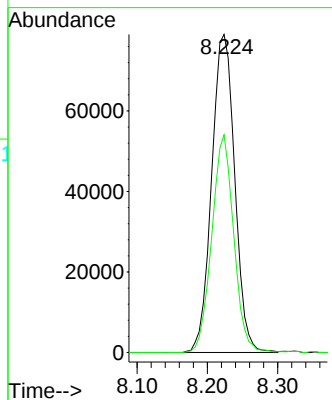


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085532.D  
Acq: 28 Jan 2025 12:36

Instrument : MSVOA\_N  
ClientSampleId :  
Storage-Blank-SAMPLE-MANAGEMENT

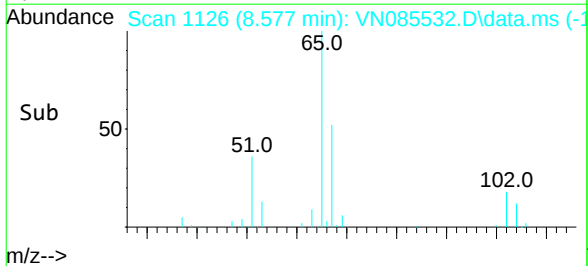
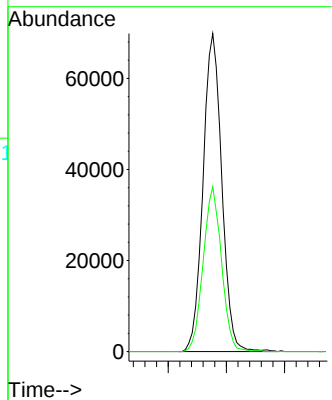
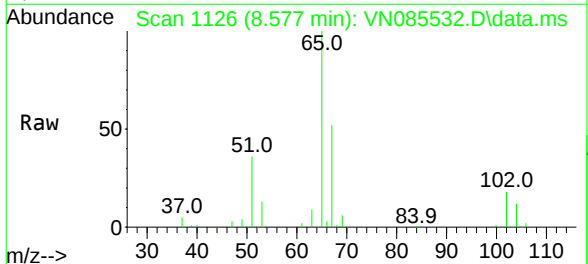


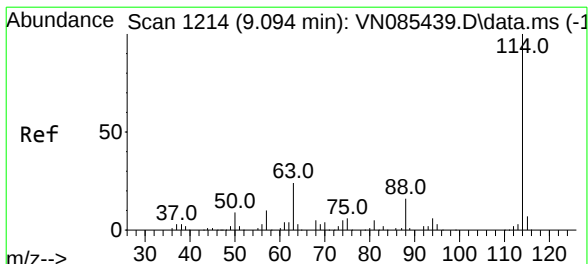
Tgt Ion:168 Resp: 180283  
Ion Ratio Lower Upper  
168 100  
99 68.4 53.6 80.4



#33  
1,2-Dichloroethane-d4  
Concen: 53.723 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085532.D  
Acq: 28 Jan 2025 12:36

Tgt Ion: 65 Resp: 156340  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 101.6

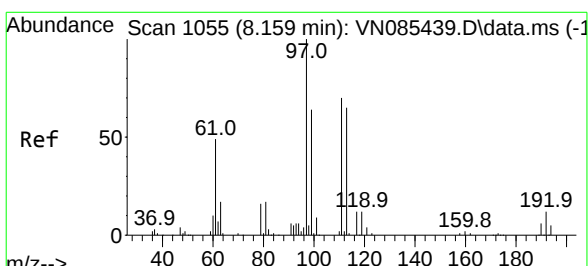
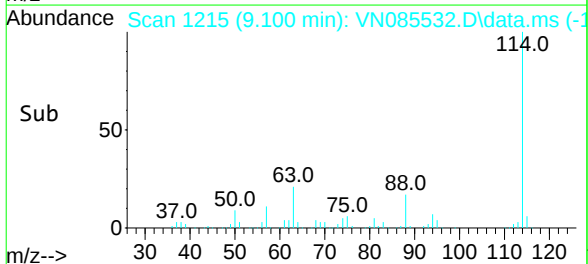
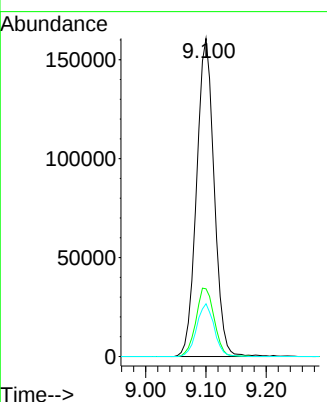
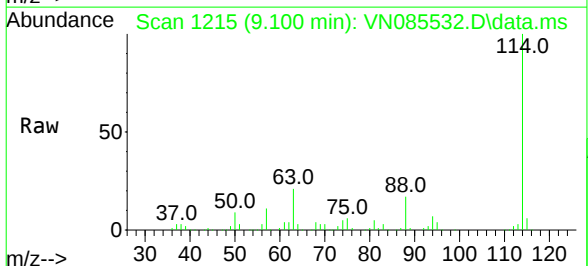




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 1214  
 Delta R.T. 0.006 min  
 Lab File: VN085532.D  
 Acq: 28 Jan 2025 12:36

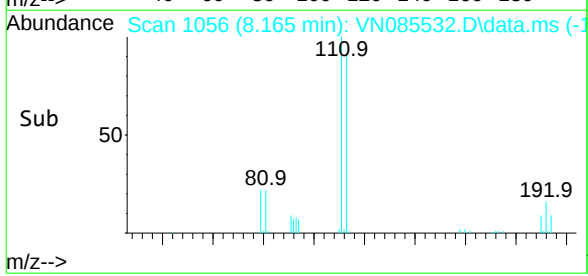
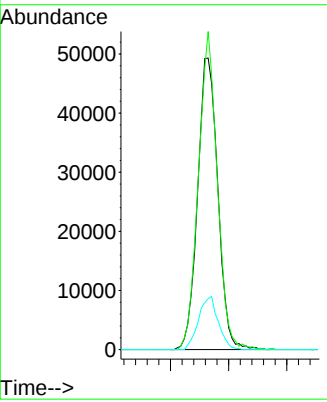
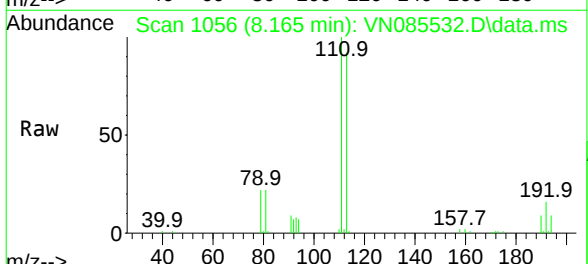
Instrument : MSVOA\_N  
 ClientSampleId :  
 Storage-Blank-SAMPLE-MANAGEMENT

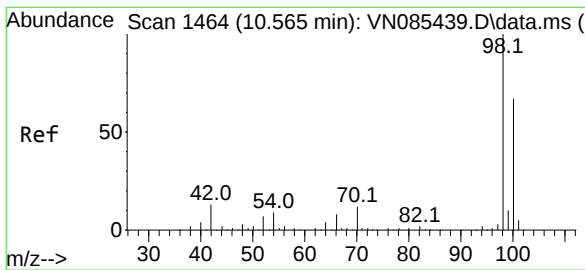
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 325340 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.3  | 0.0   | 47.6   |
| 88       | 16.6  | 0.0   | 32.6   |



#35  
 Dibromofluoromethane  
 Concen: 52.809 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. 0.006 min  
 Lab File: VN085532.D  
 Acq: 28 Jan 2025 12:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 119192 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.1 | 82.7  | 124.1  |
| 192      | 17.7  | 14.3  | 21.5   |





#50

Toluene-d8

Concen: 49.880 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085532.D

Acq: 28 Jan 2025 12:36

Instrument :

MSVOA\_N

ClientSampleId :

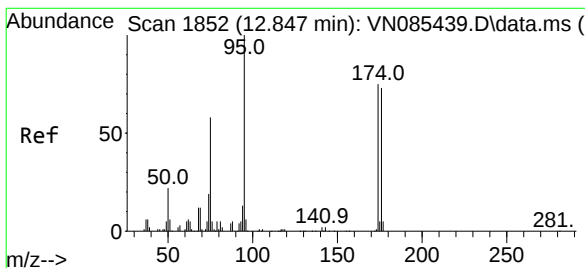
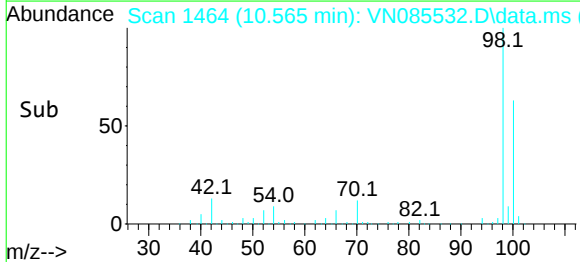
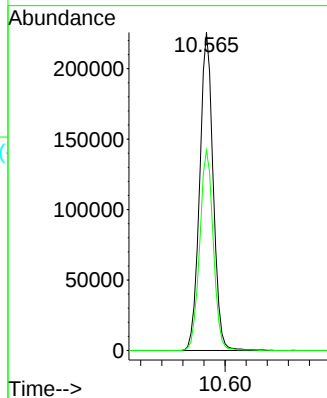
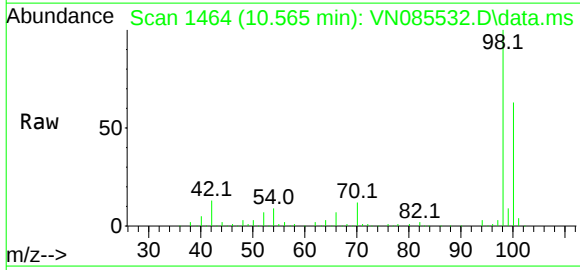
Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion: 98 Resp: 400005

Ion Ratio Lower Upper

98 100

100 63.4 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 42.933 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085532.D

Acq: 28 Jan 2025 12:36

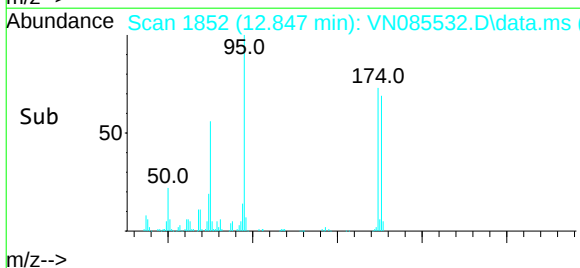
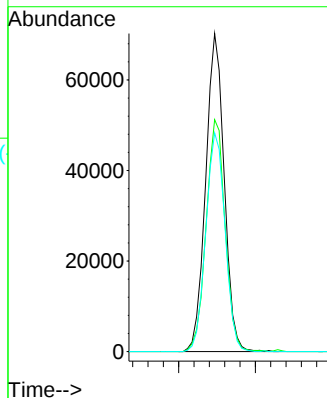
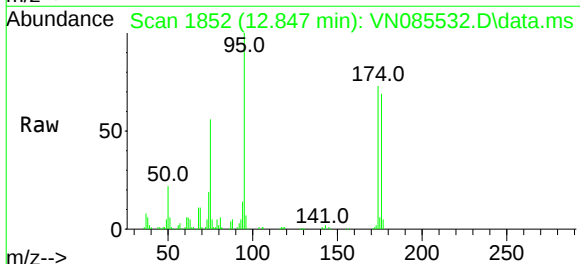
Tgt Ion: 95 Resp: 117774

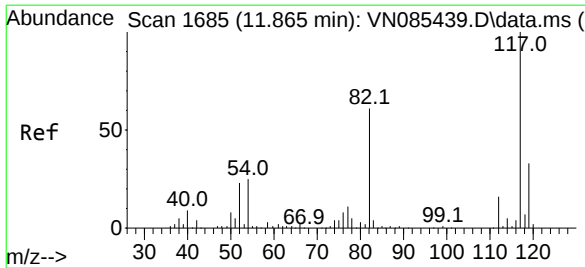
Ion Ratio Lower Upper

95 100

174 74.9 0.0 145.0

176 71.3 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. -0.000 min

Lab File: VN085532.D

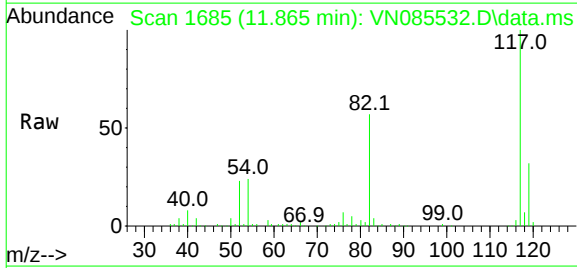
Acq: 28 Jan 2025 12:36

Instrument :

MSVOA\_N

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT



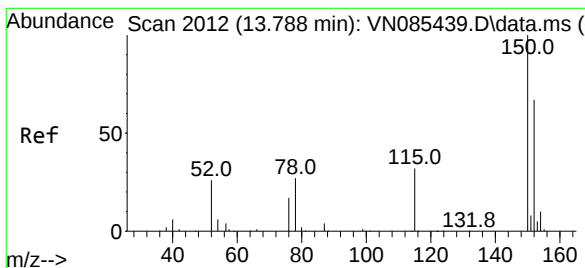
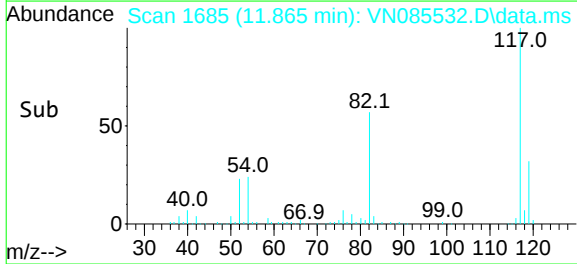
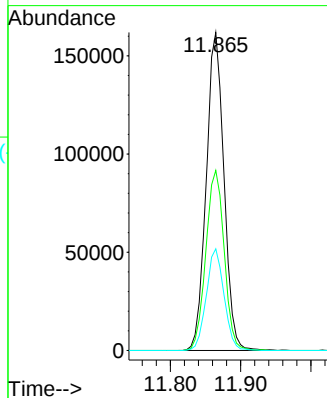
Tgt Ion:117 Resp: 283619

Ion Ratio Lower Upper

117 100

82 56.6 48.6 72.8

119 32.0 26.6 39.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085532.D

Acq: 28 Jan 2025 12:36

Tgt Ion:152 Resp: 106780

Ion Ratio Lower Upper

152 100

115 63.3 31.1 93.3

150 156.8 0.0 343.6

