

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011625\  
 Data File : VN085476.D  
 Acq On : 16 Jan 2025 17:44  
 Operator : JC\MD  
 Sample : Q1109-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TAPIAL1-MW04S-011525-00-T2

Quant Time: Jan 17 01:07:58 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       | 8.218  | 168            | 168866   | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114            | 305065   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117            | 270969   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152            | 106916   | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds |        |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65             | 150180   | 55.095     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | = 110.180% |       |          |
| 35) Dibromofluoromethane    | 8.165  | 113            | 112060   | 52.948     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 105.900% |       |          |
| 50) Toluene-d8              | 10.565 | 98             | 376841   | 50.115     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | = 100.220% |       |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95             | 122424   | 47.594     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 77 - 121 | Recovery | = 95.180%  |       |          |

Target Compounds Qvalue

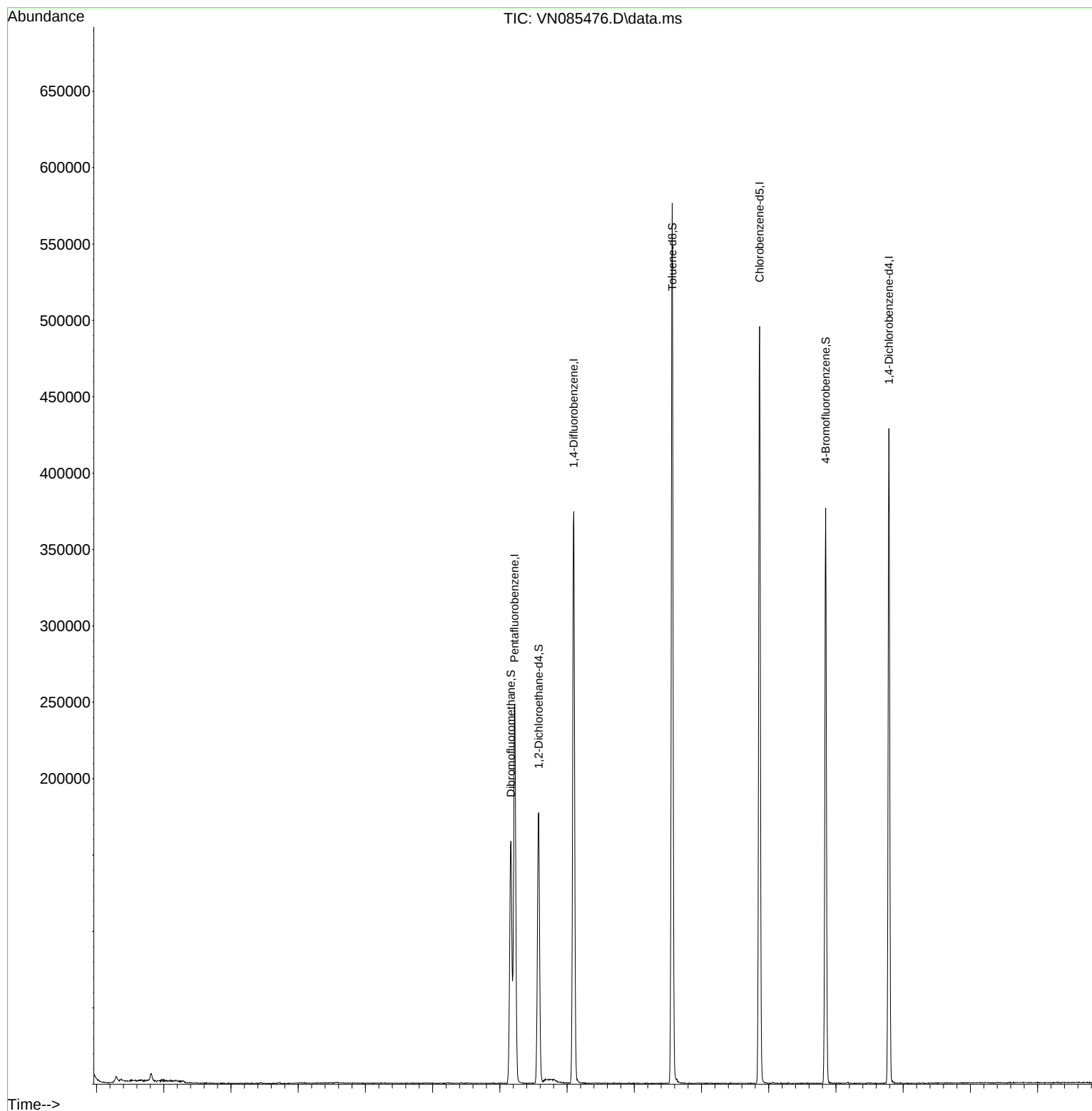
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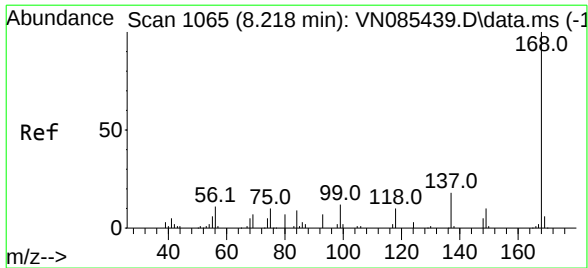
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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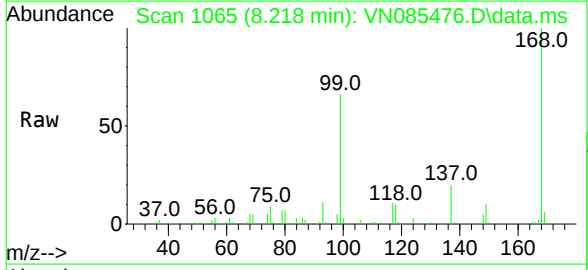
Quant Time: Jan 17 01:07:58 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration



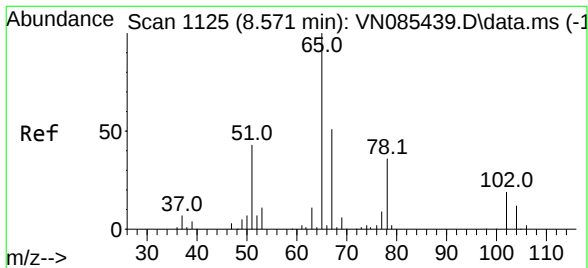
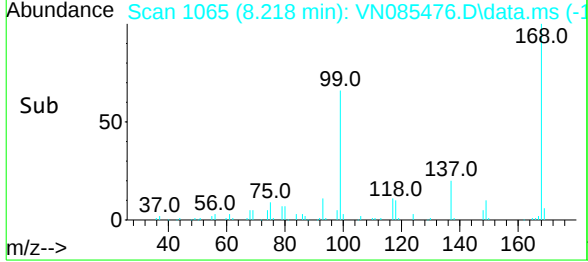
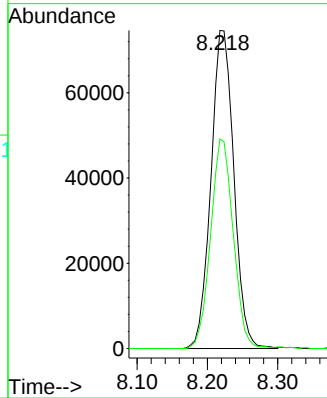


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VN085476.D  
Acq: 16 Jan 2025 17:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
TAPIAL1-MW04S-011525-00-T2

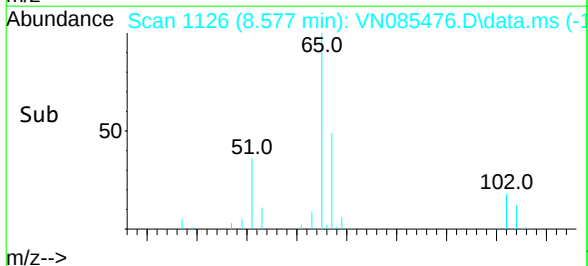
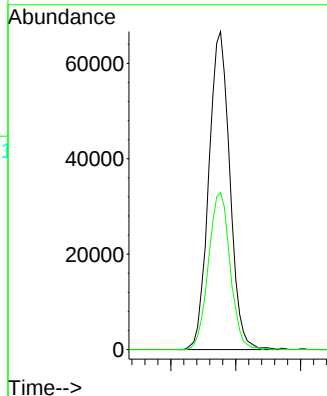
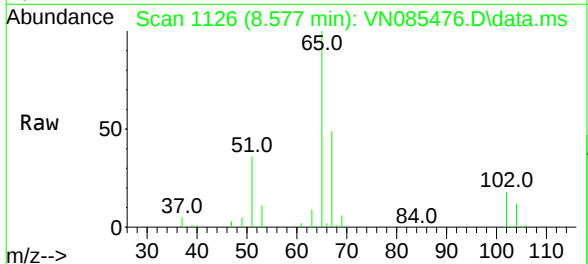


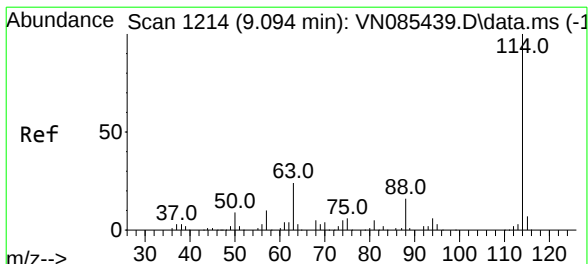
Tgt Ion:168 Resp: 168866  
Ion Ratio Lower Upper  
168 100  
99 65.9 53.6 80.4



#33  
1,2-Dichloroethane-d4  
Concen: 55.095 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085476.D  
Acq: 16 Jan 2025 17:44

Tgt Ion: 65 Resp: 150180  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 101.6

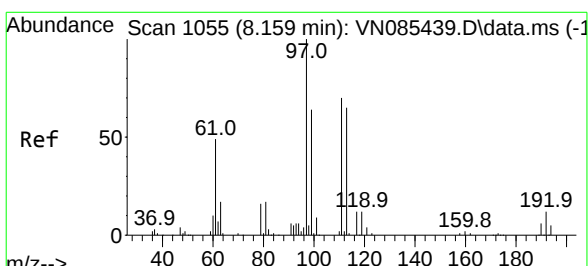
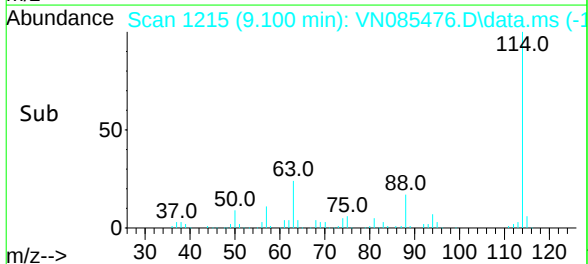
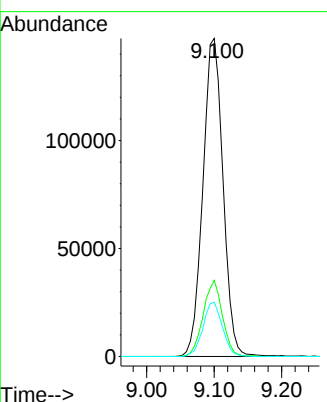
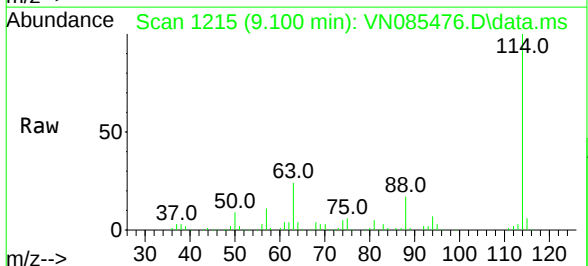




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. 0.006 min  
 Lab File: VN085476.D  
 Acq: 16 Jan 2025 17:44

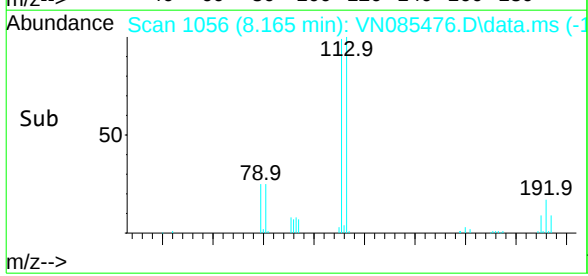
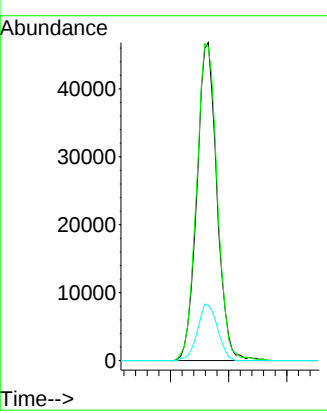
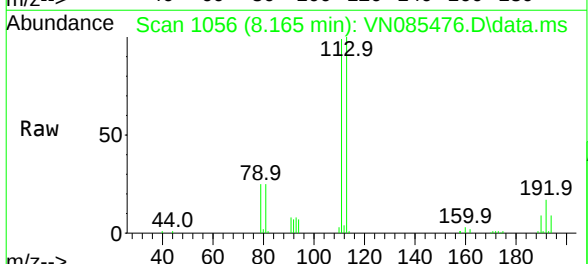
Instrument : MSVOA\_N  
 ClientSampleId : TAPIAL1-MW04S-011525-00-T2

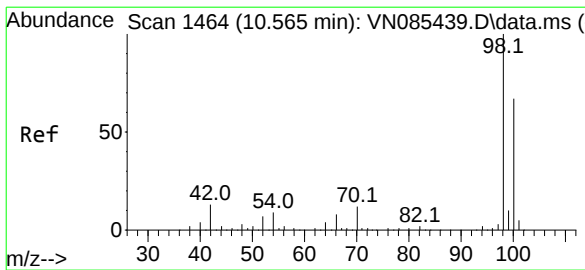
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 305065 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 23.9  | 0.0   | 47.6   |
| 88       | 17.1  | 0.0   | 32.6   |



#35  
 Dibromofluoromethane  
 Concen: 52.948 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. 0.006 min  
 Lab File: VN085476.D  
 Acq: 16 Jan 2025 17:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 112060 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.0 | 82.7  | 124.1  |
| 192      | 17.8  | 14.3  | 21.5   |





#50

Toluene-d8

Concen: 50.115 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085476.D

Acq: 16 Jan 2025 17:44

Instrument :

MSVOA\_N

ClientSampleId :

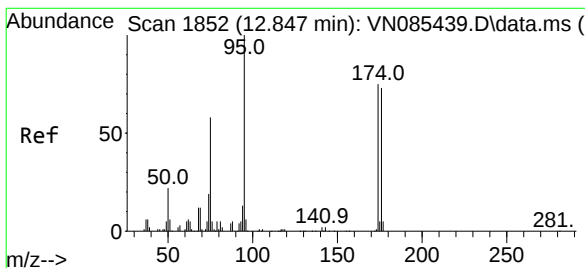
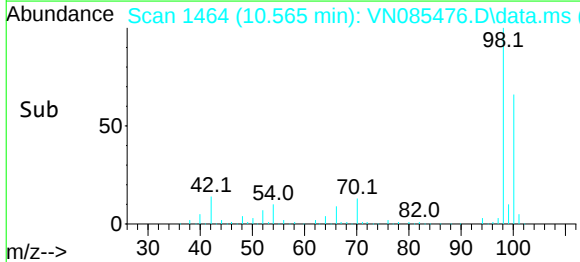
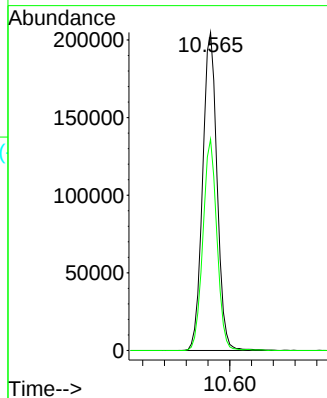
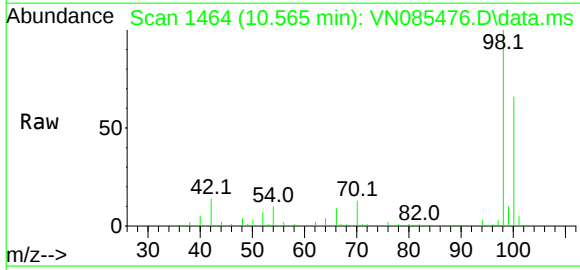
TAPIAL1-MW04S-011525-00-T2

Tgt Ion: 98 Resp: 376841

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 47.594 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085476.D

Acq: 16 Jan 2025 17:44

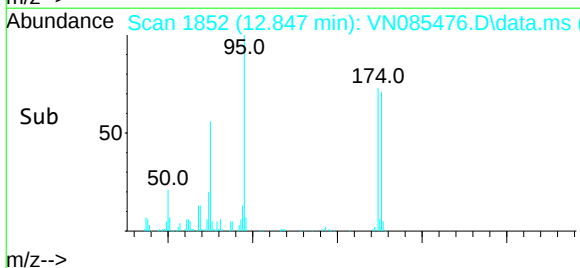
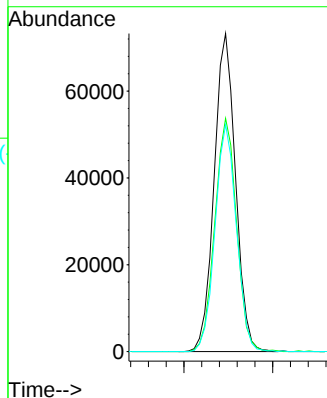
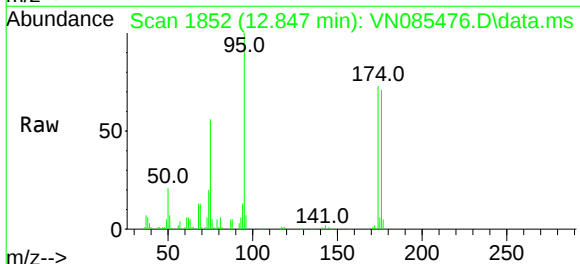
Tgt Ion: 95 Resp: 122424

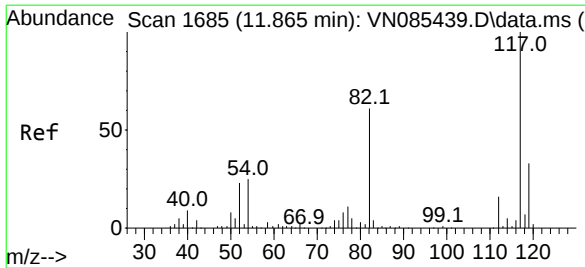
Ion Ratio Lower Upper

95 100

174 74.8 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: VN085476.D

Acq: 16 Jan 2025 17:44

Instrument :

MSVOA\_N

ClientSampleId :

TAPIAL1-MW04S-011525-00-T2

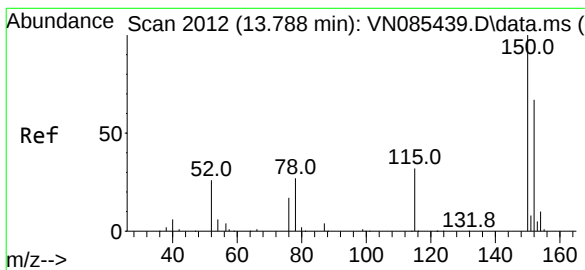
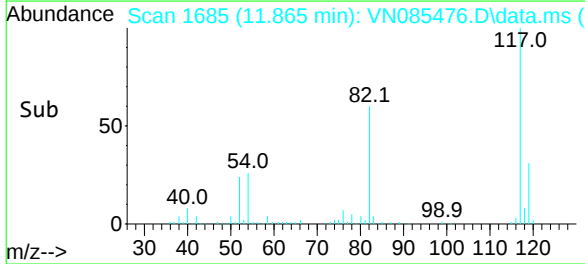
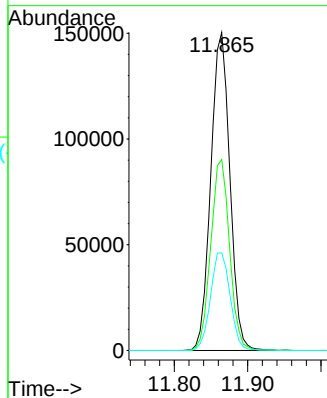
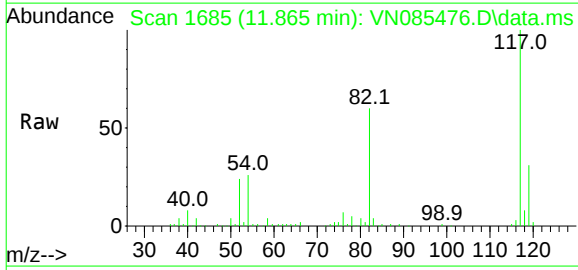
Tgt Ion:117 Resp: 270969

Ion Ratio Lower Upper

117 100

82 60.1 48.6 72.8

119 30.7 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: VN085476.D

Acq: 16 Jan 2025 17:44

Tgt Ion:152 Resp: 106916

Ion Ratio Lower Upper

152 100

115 63.6 31.1 93.3

150 161.8 0.0 343.6

