

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010925\  
 Data File : VN085402.D  
 Acq On : 09 Jan 2025 12:19  
 Operator : JC\MD  
 Sample : VN0109MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0109MBL01

Quant Time: Jan 10 00:16:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122724W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Dec 28 01:36:16 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon           | Response | Conc       | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|-------|----------|
| -----                       |        |                |          |            |       |          |
| Internal Standards          |        |                |          |            |       |          |
| 1) Pentafluorobenzene       | 8.218  | 168            | 144509   | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.094  | 114            | 267862   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.859 | 117            | 223637   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152            | 85308    | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds |        |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.571  | 65             | 119793   | 58.121     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | = 116.240% |       |          |
| 35) Dibromofluoromethane    | 8.159  | 113            | 92307    | 55.238     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 110.480% |       |          |
| 50) Toluene-d8              | 10.559 | 98             | 319469   | 52.098     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | = 104.200% |       |          |
| 62) 4-Bromofluorobenzene    | 12.841 | 95             | 92109    | 45.229     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 77 - 121 | Recovery | = 90.460%  |       |          |

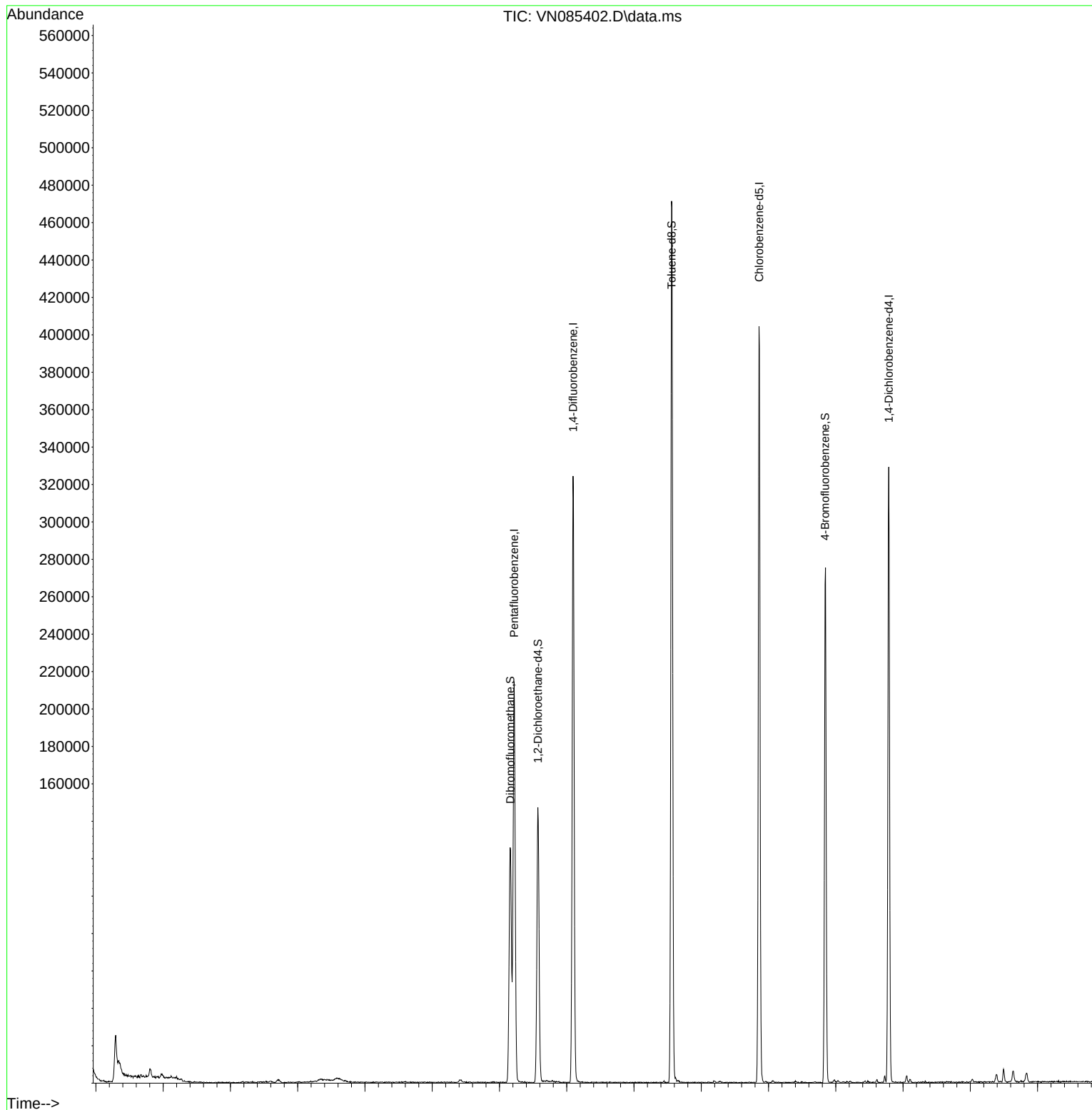
Target Compounds Qvalue

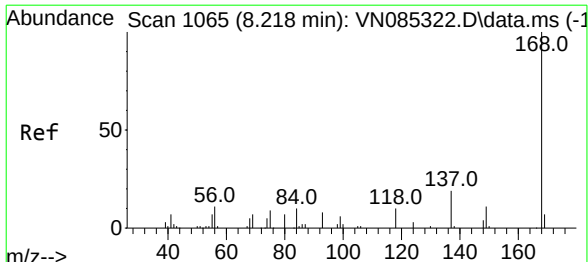
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0109MBL01

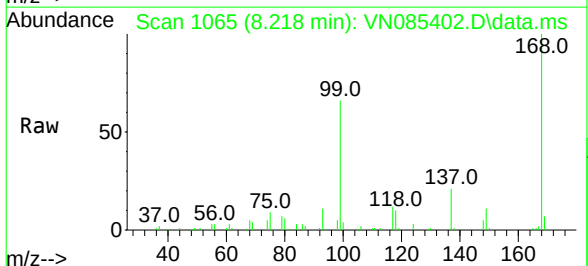
Quant Time: Jan 10 00:16:12 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122724W.M  
Quant Title : SW846 8260  
QLast Update : Sat Dec 28 01:36:16 2024  
Response via : Initial Calibration



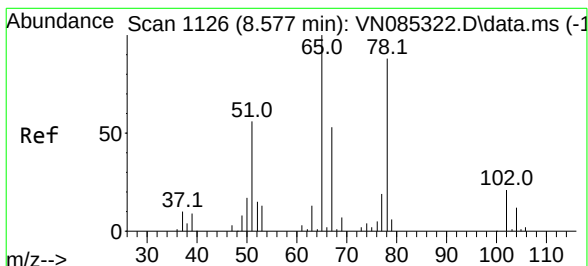
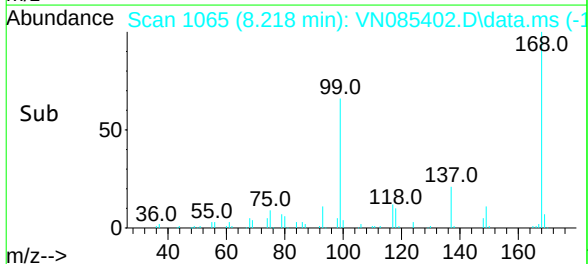
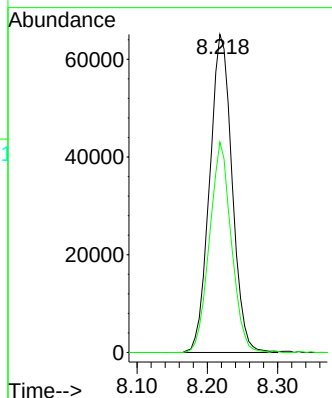


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VN085402.D  
Acq: 09 Jan 2025 12:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0109MBL01

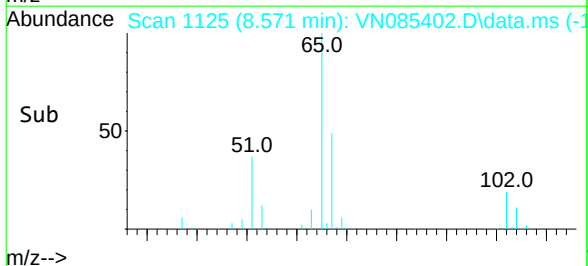
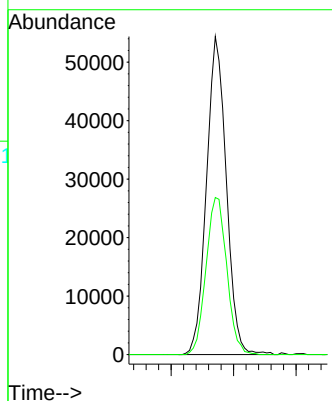
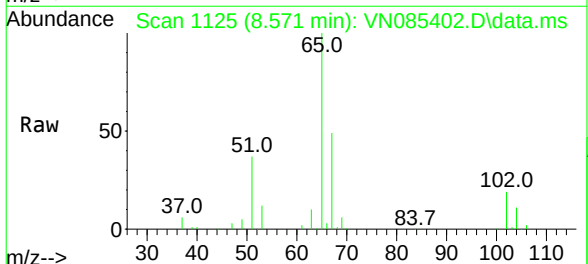


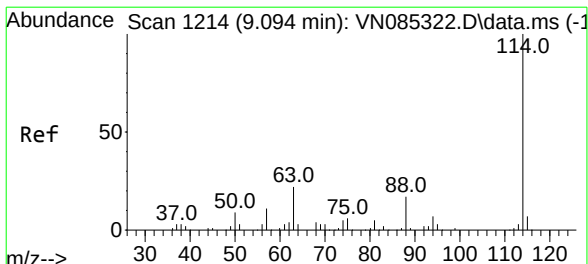
Tgt Ion:168 Resp: 144509  
Ion Ratio Lower Upper  
168 100  
99 66.1 51.0 76.4



#33  
1,2-Dichloroethane-d4  
Concen: 58.121 ug/l  
RT: 8.571 min Scan# 1125  
Delta R.T. -0.006 min  
Lab File: VN085402.D  
Acq: 09 Jan 2025 12:19

Tgt Ion: 65 Resp: 119793  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 104.0

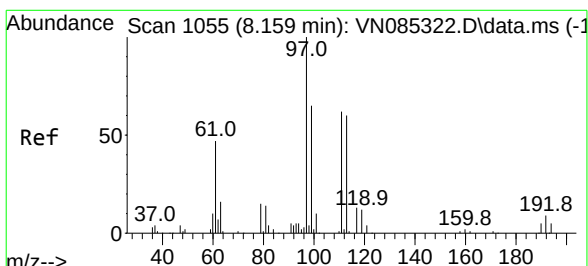
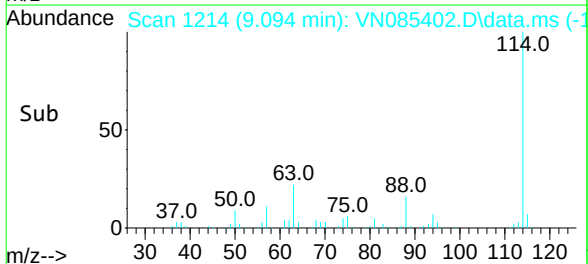
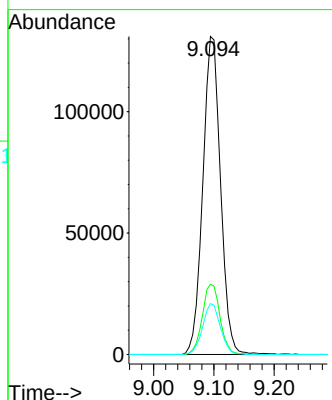
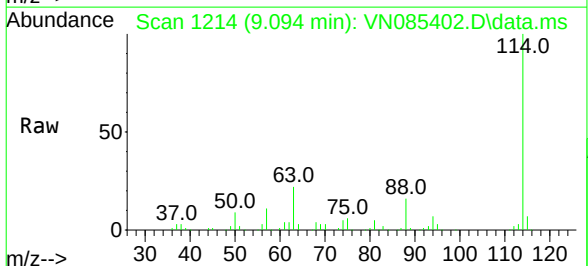




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.094 min Scan# 1214  
 Delta R.T. 0.000 min  
 Lab File: VN085402.D  
 Acq: 09 Jan 2025 12:19

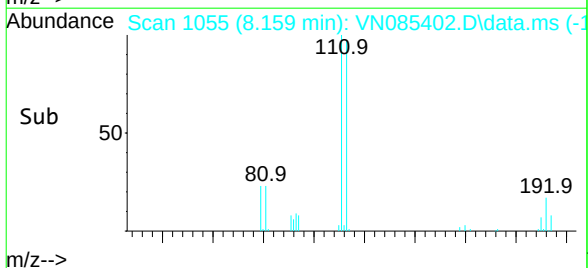
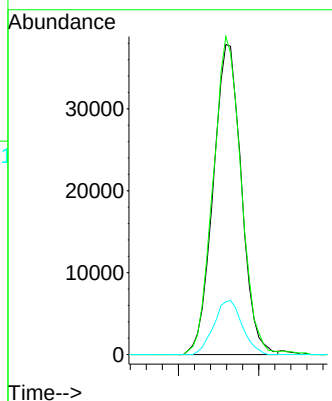
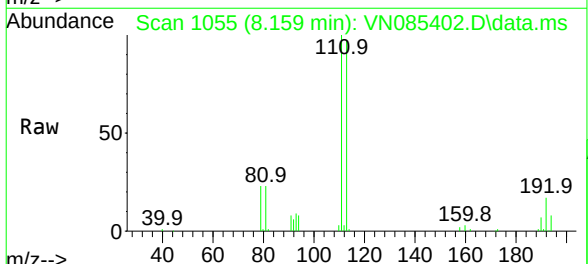
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0109MBL01

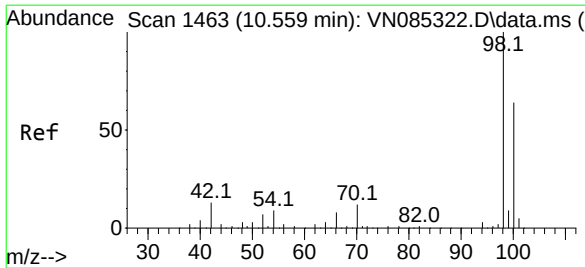
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 267862 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 22.1  | 0.0   | 43.4   |
| 88       | 16.0  | 0.0   | 33.6   |



#35  
 Dibromofluoromethane  
 Concen: 55.238 ug/l  
 RT: 8.159 min Scan# 1055  
 Delta R.T. 0.000 min  
 Lab File: VN085402.D  
 Acq: 09 Jan 2025 12:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 92307 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.6 | 80.5  | 120.7 |
| 192      | 17.5  | 12.9  | 19.3  |





#50

Toluene-d8

Concen: 52.098 ug/l

RT: 10.559 min Scan# 14

Delta R.T. 0.000 min

Lab File: VN085402.D

Acq: 09 Jan 2025 12:19

Instrument :

MSVOA\_N

ClientSampleId :

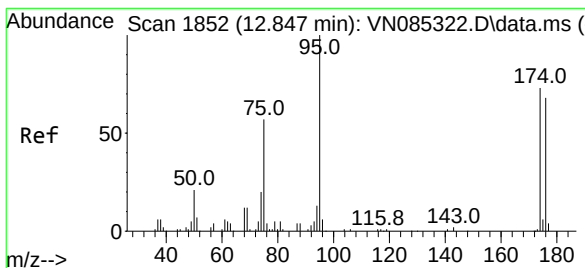
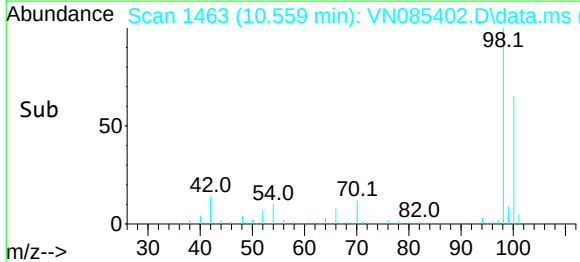
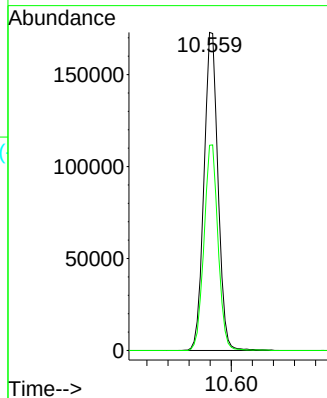
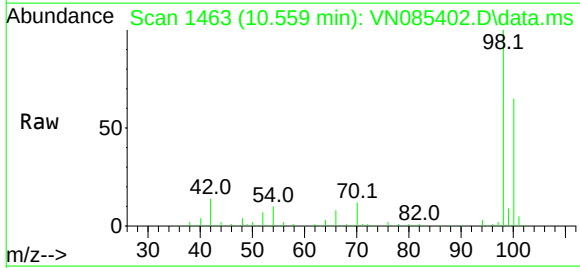
VN0109MBL01

Tgt Ion: 98 Resp: 319469

Ion Ratio Lower Upper

98 100

100 64.7 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 45.229 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. -0.006 min

Lab File: VN085402.D

Acq: 09 Jan 2025 12:19

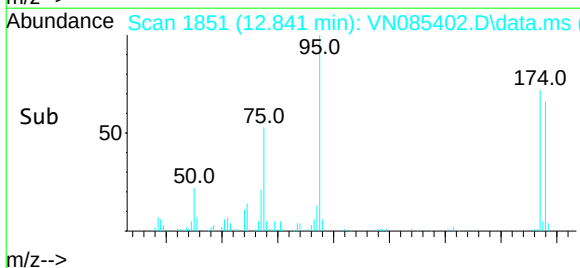
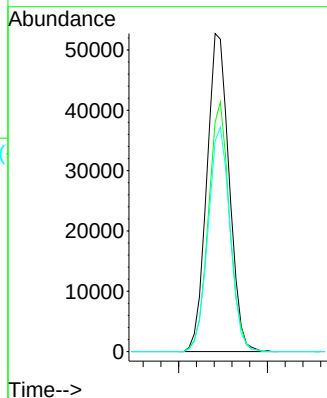
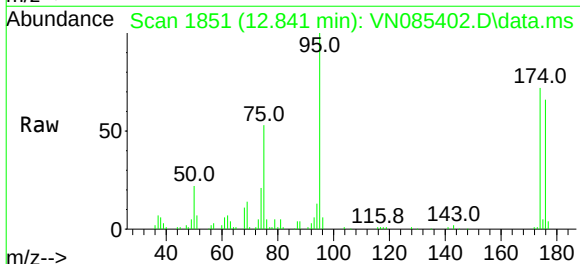
Tgt Ion: 95 Resp: 92109

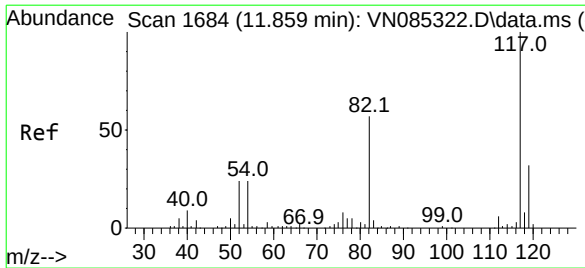
Ion Ratio Lower Upper

95 100

174 74.0 0.0 143.2

176 69.4 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.859 min Scan# 16

Delta R.T. 0.000 min

Lab File: VN085402.D

Acq: 09 Jan 2025 12:19

Instrument :

MSVOA\_N

ClientSampleId :

VN0109MBL01

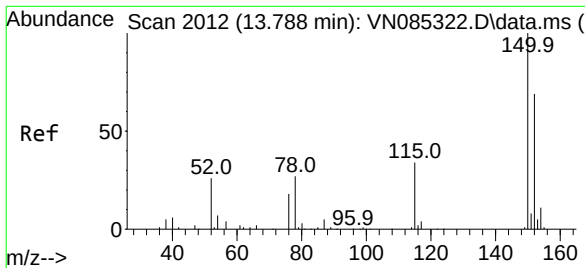
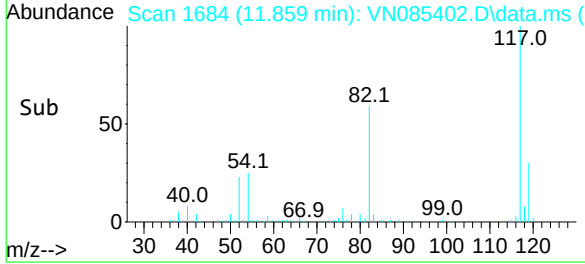
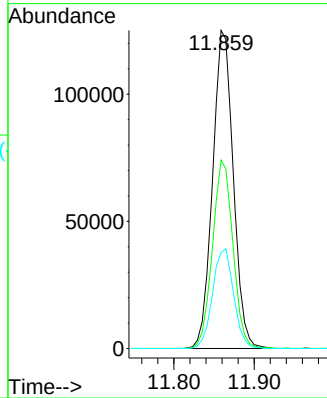
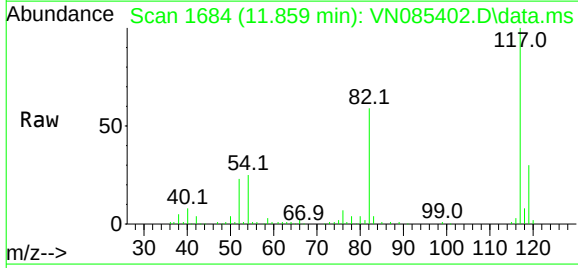
Tgt Ion:117 Resp: 223637

Ion Ratio Lower Upper

117 100

82 59.2 45.7 68.5

119 30.1 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085402.D

Acq: 09 Jan 2025 12:19

Tgt Ion:152 Resp: 85308

Ion Ratio Lower Upper

152 100

115 61.7 30.4 91.3

150 160.7 0.0 345.0

