

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN013025\  
 Data File : VN085581.D  
 Acq On : 30 Jan 2025 15:54  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Jan 31 02:36:38 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            | 169047   | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114            | 312142   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117            | 275178   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152            | 111622   | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds |        |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65             | 150035   | 54.983     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | = 109.960% |       |          |
| 35) Dibromofluoromethane    | 8.165  | 113            | 112634   | 52.013     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 104.020% |       |          |
| 50) Toluene-d8              | 10.565 | 98             | 382724   | 49.743     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | = 99.480%  |       |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95             | 123710   | 47.004     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 77 - 121 | Recovery | = 94.000%  |       |          |

Target Compounds Qvalue

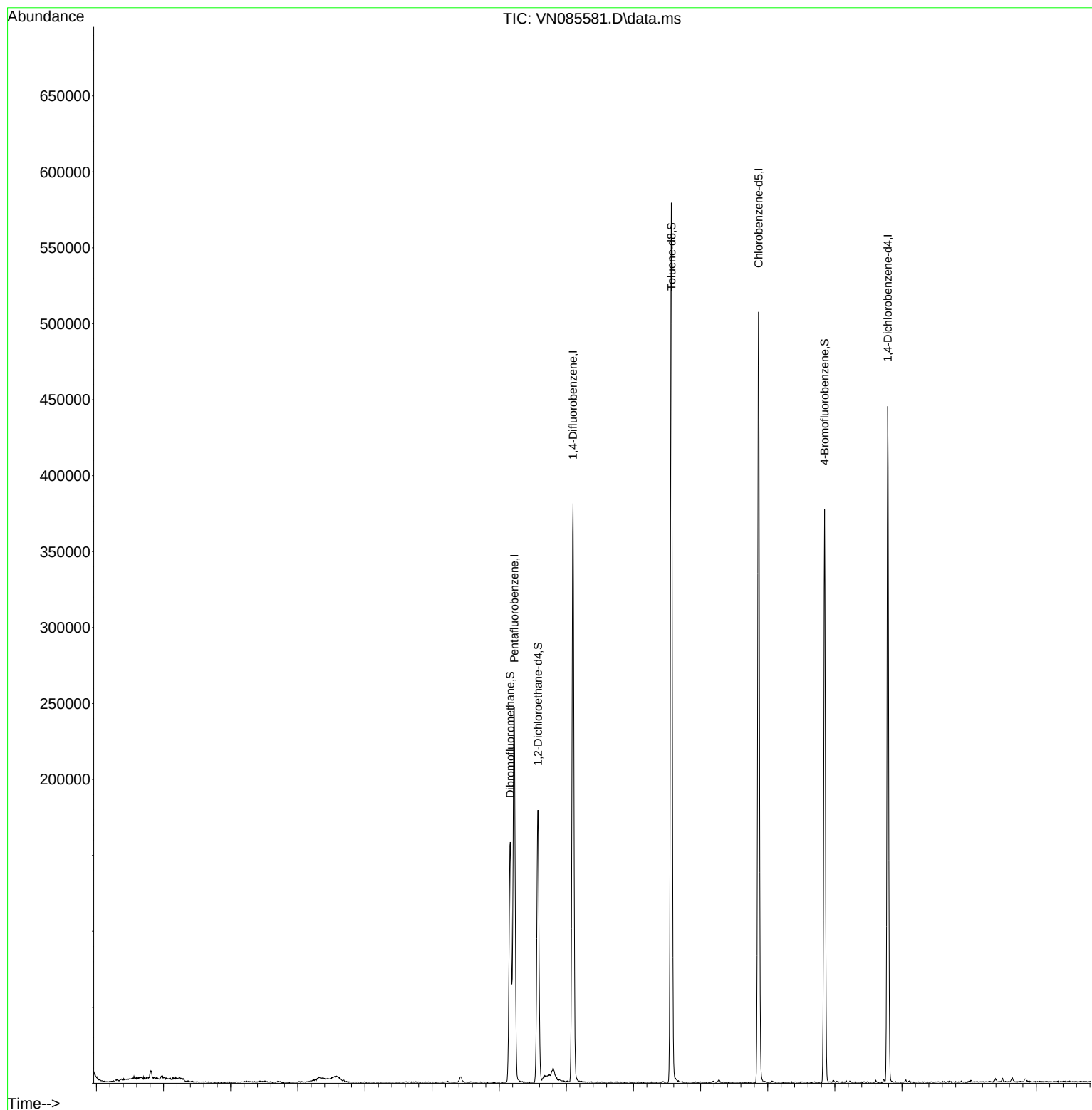
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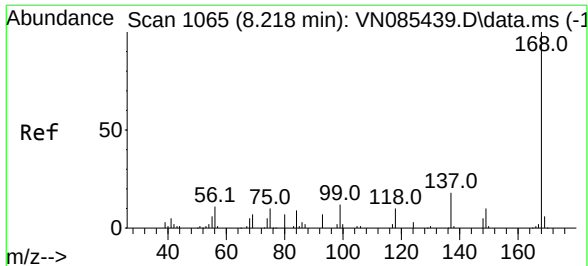
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

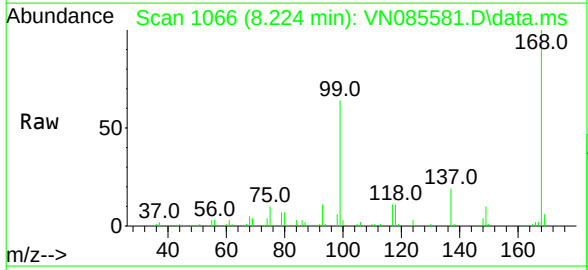
Quant Time: Jan 31 02:36:38 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration



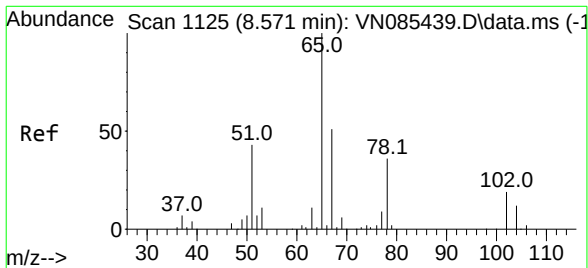
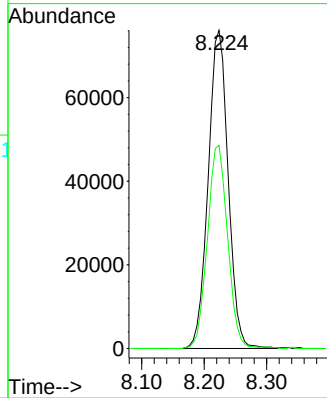
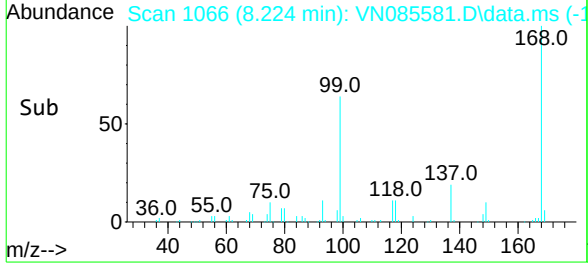


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085581.D  
Acq: 30 Jan 2025 15:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

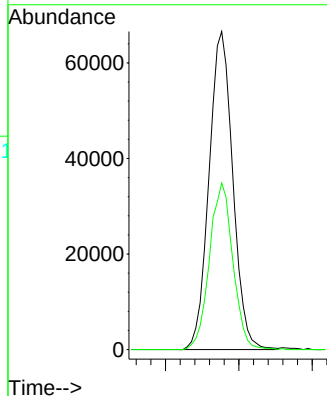
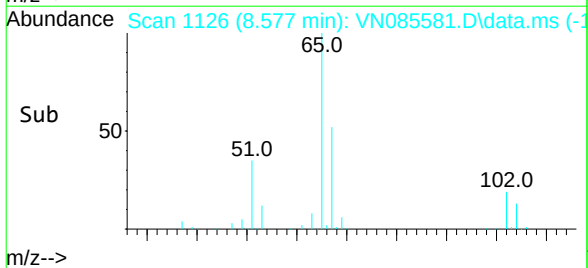
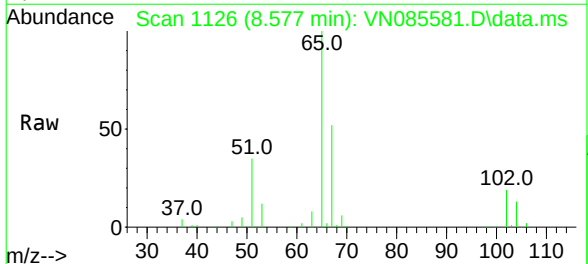


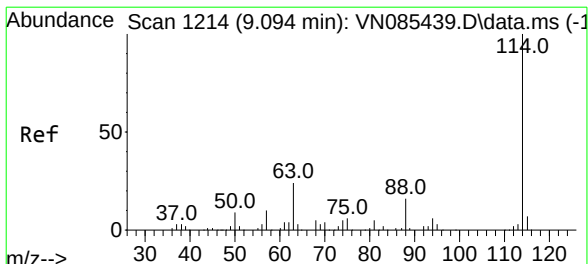
Tgt Ion:168 Resp: 169047  
Ion Ratio Lower Upper  
168 100  
99 63.9 53.6 80.4



#33  
1,2-Dichloroethane-d4  
Concen: 54.983 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085581.D  
Acq: 30 Jan 2025 15:54

Tgt Ion: 65 Resp: 150035  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 101.6

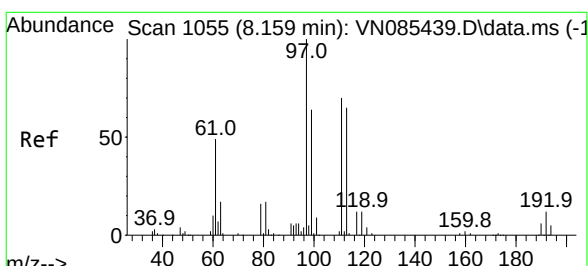
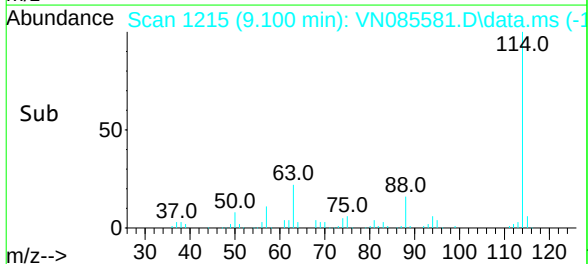
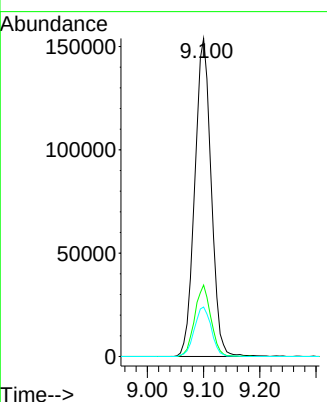
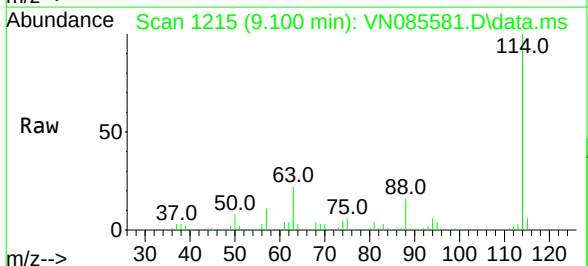




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. 0.006 min  
 Lab File: VN085581.D  
 Acq: 30 Jan 2025 15:54

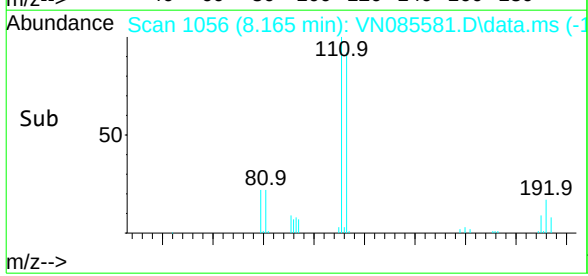
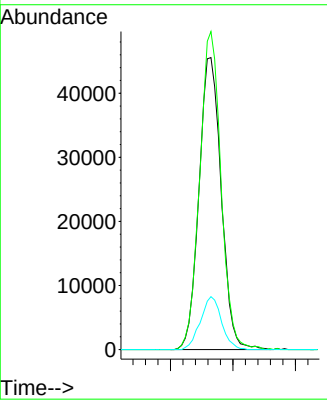
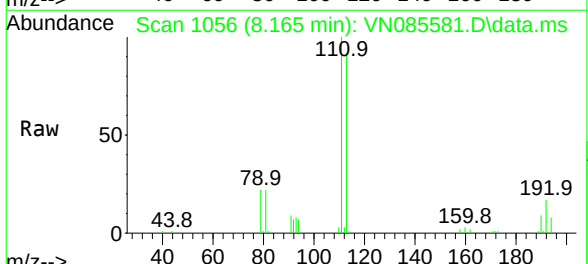
Instrument : MSVOA\_N  
 ClientSampleId : IBLK

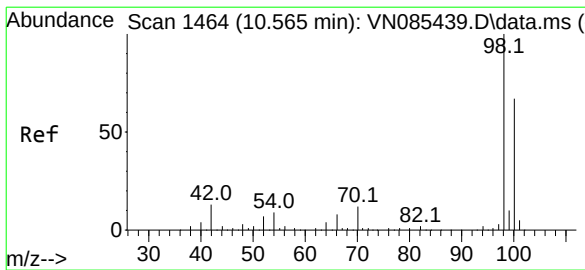
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 312142 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 22.5  | 0.0   | 47.6   |
| 88       | 15.6  | 0.0   | 32.6   |



#35  
 Dibromofluoromethane  
 Concen: 52.013 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. 0.006 min  
 Lab File: VN085581.D  
 Acq: 30 Jan 2025 15:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 112634 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 104.6 | 82.7  | 124.1  |
| 192      | 17.2  | 14.3  | 21.5   |





#50

Toluene-d8

Concen: 49.743 ug/l

RT: 10.565 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN085581.D

Acq: 30 Jan 2025 15:54

Instrument :

MSVOA\_N

ClientSampleId :

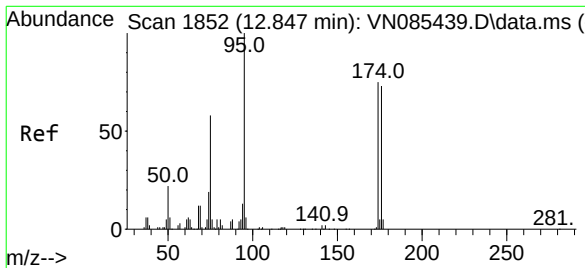
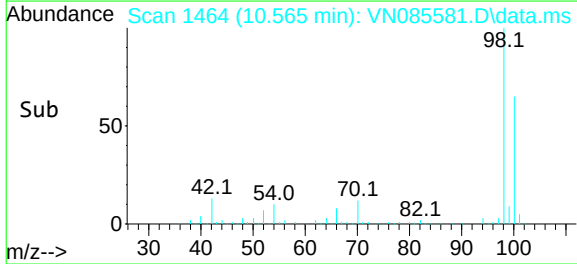
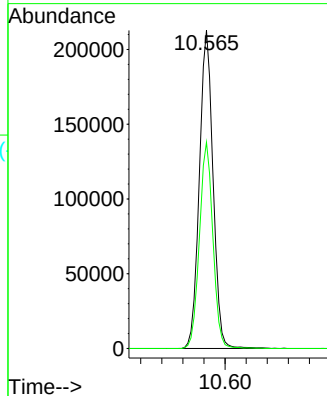
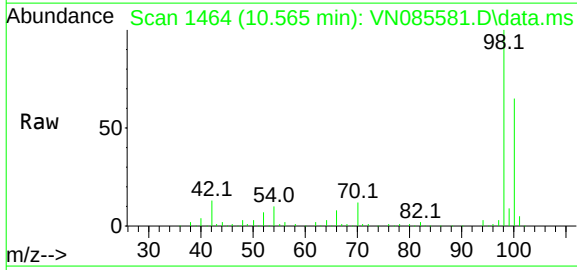
IBLK

Tgt Ion: 98 Resp: 382724

Ion Ratio Lower Upper

98 100

100 63.9 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 47.004 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085581.D

Acq: 30 Jan 2025 15:54

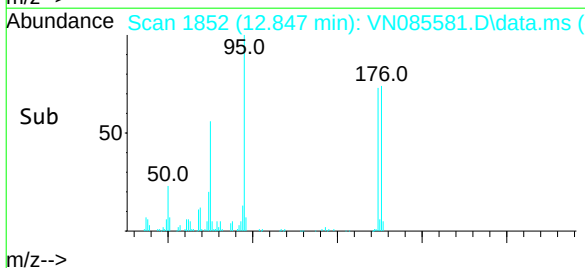
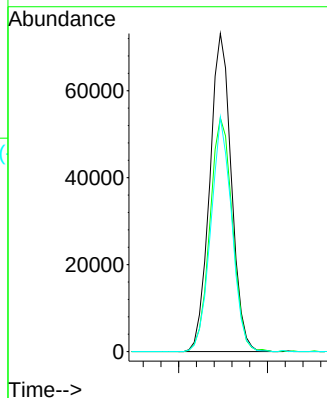
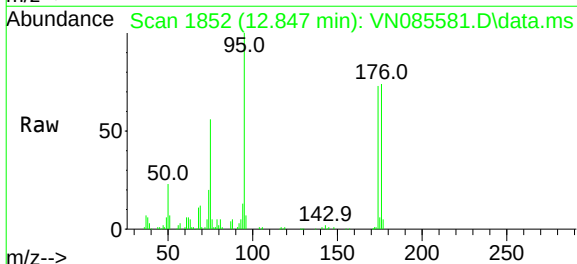
Tgt Ion: 95 Resp: 123710

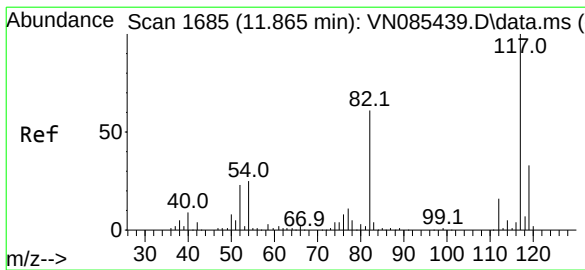
Ion Ratio Lower Upper

95 100

174 76.3 0.0 145.0

176 71.4 0.0 142.4

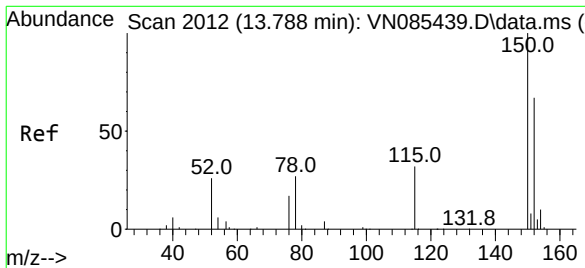
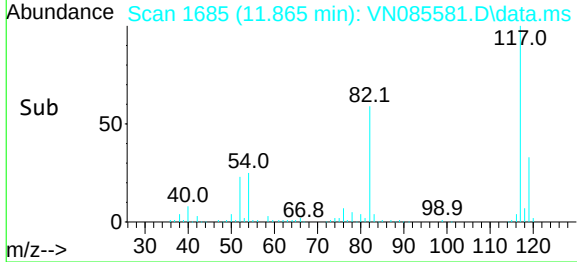
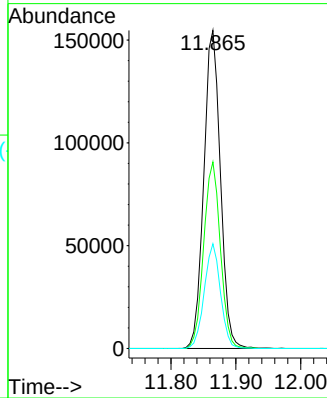
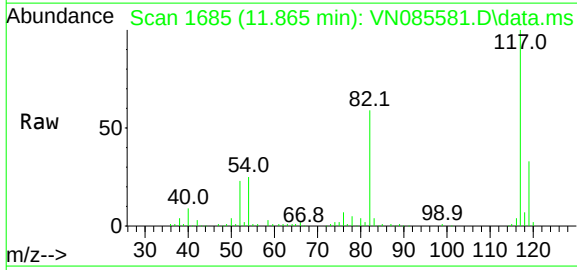




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN085581.D  
Acq: 30 Jan 2025 15:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion:117 Resp: 275178  
Ion Ratio Lower Upper  
117 100  
82 58.7 48.6 72.8  
119 32.9 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: VN085581.D  
Acq: 30 Jan 2025 15:54

Tgt Ion:152 Resp: 111622  
Ion Ratio Lower Upper  
152 100  
115 63.9 31.1 93.3  
150 162.1 0.0 343.6

