

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012725\  
 Data File : VN085521.D  
 Acq On : 27 Jan 2025 17:10  
 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 28 02:02:55 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            | 194988   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114            | 348925   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117            | 300220   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152            | 118892   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds |        |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.576  | 65             | 162025   | 51.477 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | =      | 102.960% |          |
| 35) Dibromofluoromethane    | 8.165  | 113            | 122515   | 50.612 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | =      | 101.220% |          |
| 50) Toluene-d8              | 10.565 | 98             | 423897   | 49.287 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | =      | 98.580%  |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95             | 130999   | 44.526 | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 77 - 121 | Recovery | =      | 89.060%  |          |

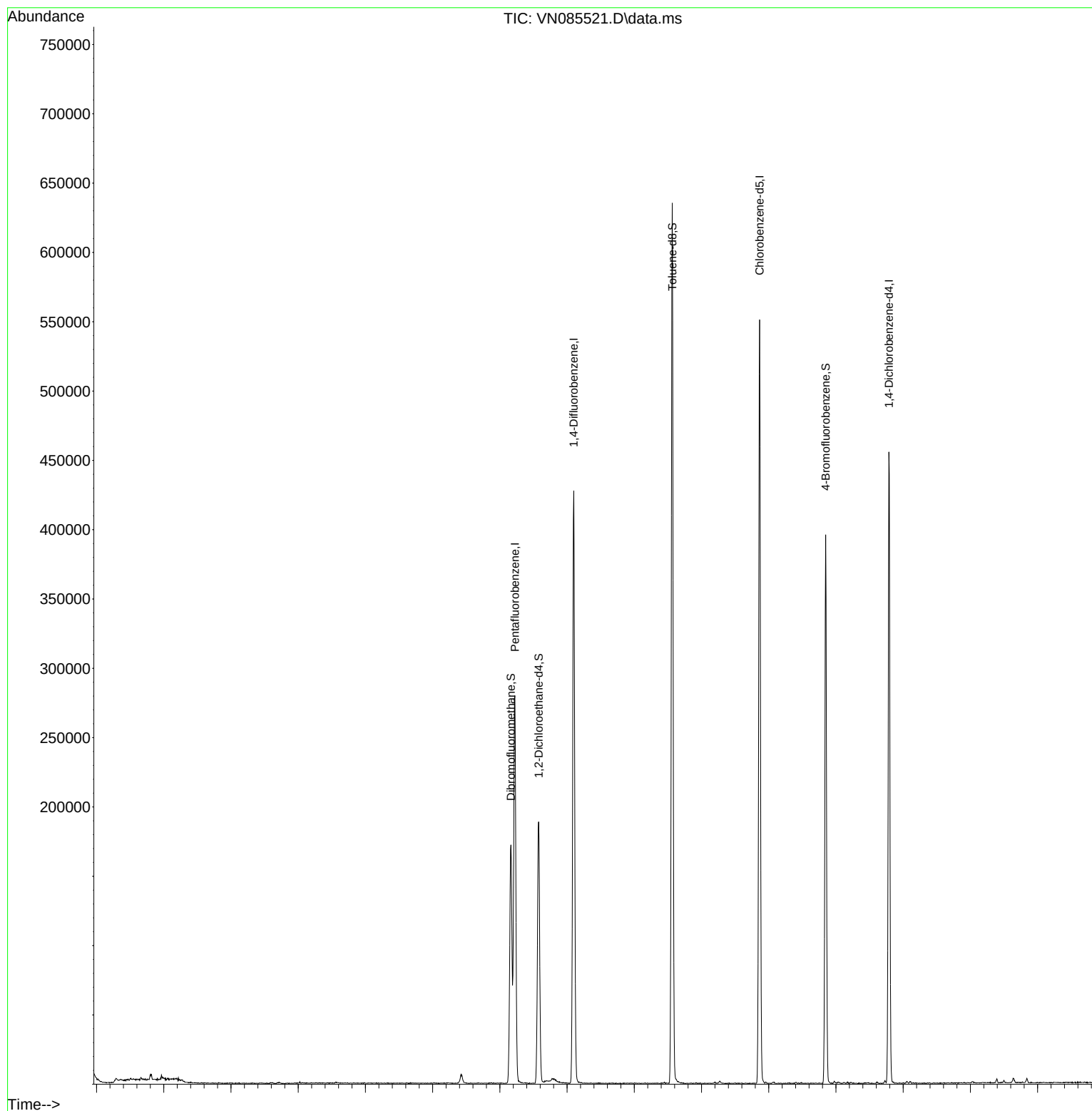
Target Compounds Qvalue

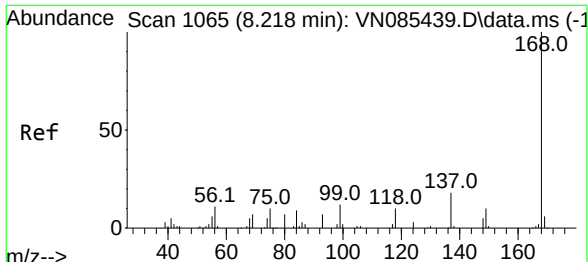
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

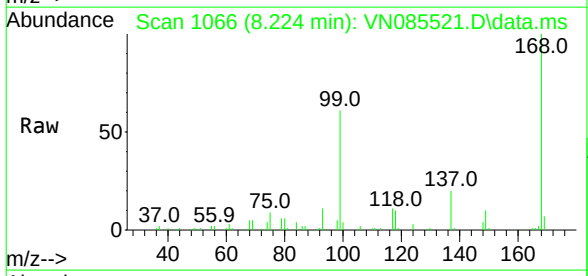
Quant Time: Jan 28 02:02:55 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration



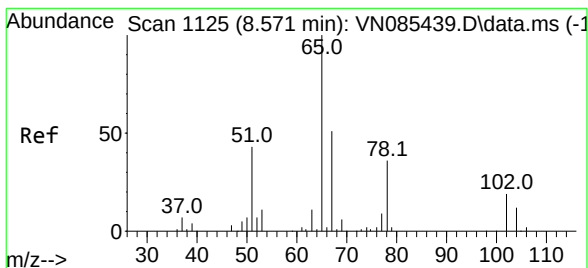
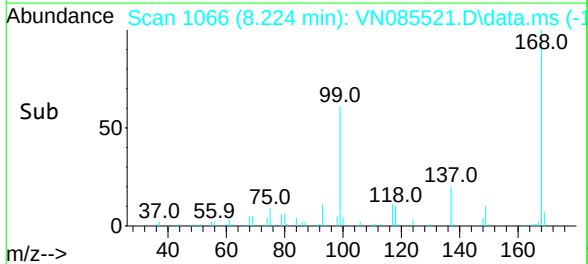
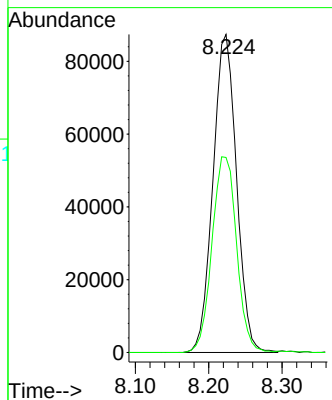


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.224 min Scan# 1066  
 Delta R.T. 0.006 min  
 Lab File: VN085521.D  
 Acq: 27 Jan 2025 17:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

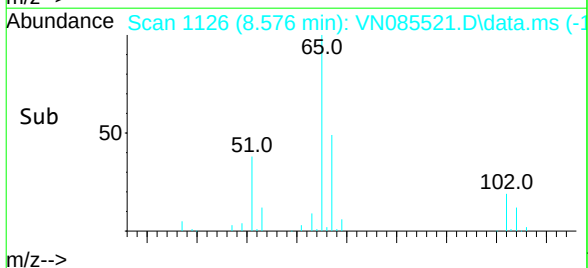
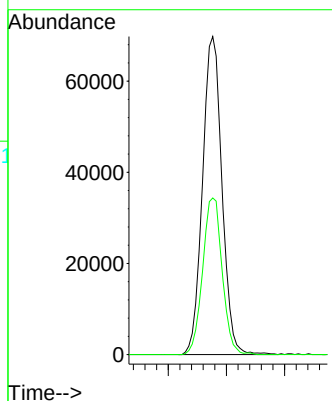
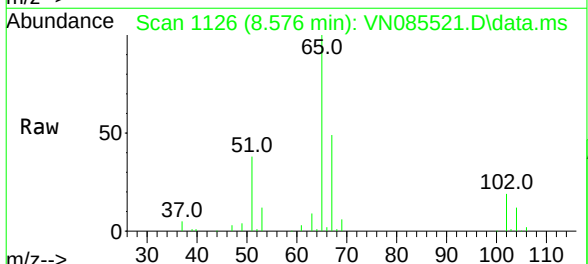


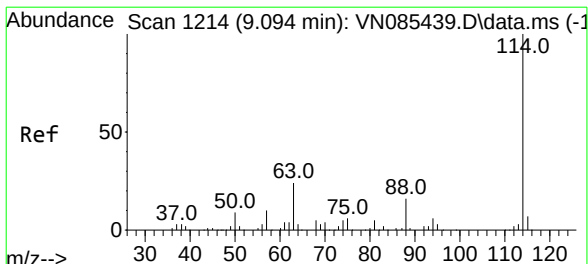
Tgt Ion: 168 Resp: 194988  
 Ion Ratio Lower Upper  
 168 100  
 99 61.3 53.6 80.4



#33  
 1,2-Dichloroethane-d4  
 Concen: 51.477 ug/l  
 RT: 8.576 min Scan# 1126  
 Delta R.T. 0.006 min  
 Lab File: VN085521.D  
 Acq: 27 Jan 2025 17:10

Tgt Ion: 65 Resp: 162025  
 Ion Ratio Lower Upper  
 65 100  
 67 49.5 0.0 101.6

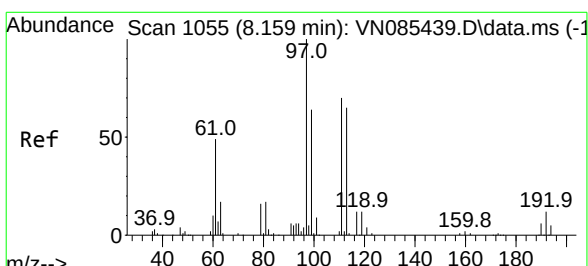
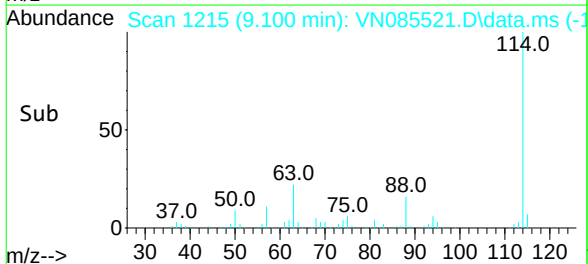
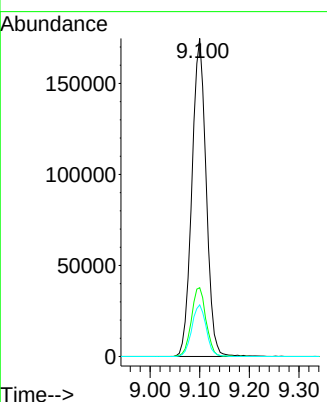
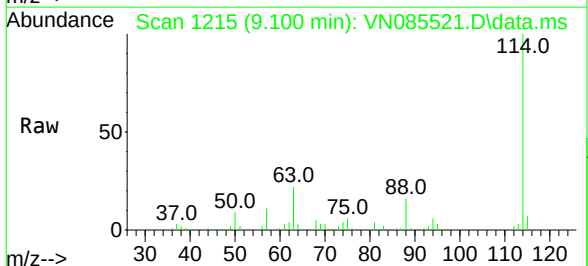




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. 0.006 min  
 Lab File: VN085521.D  
 Acq: 27 Jan 2025 17:10

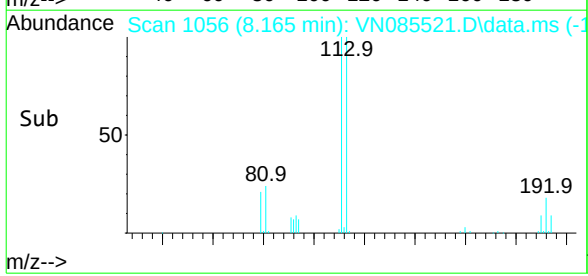
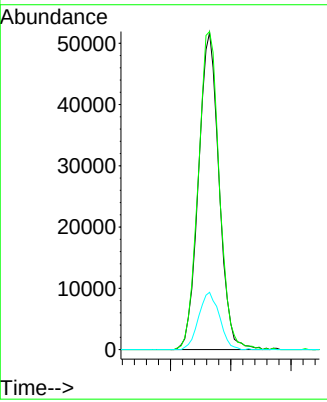
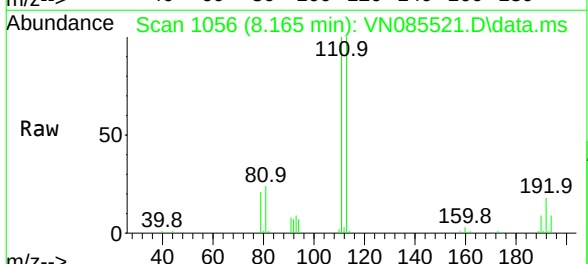
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

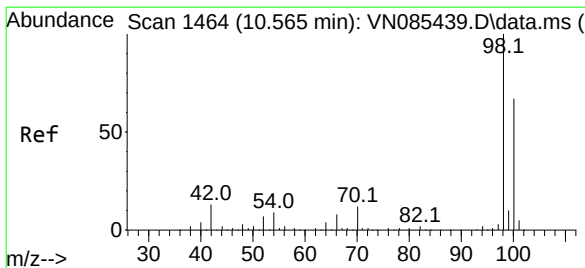
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 348925 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.6  | 0.0   | 47.6   |
| 88       | 16.2  | 0.0   | 32.6   |



#35  
 Dibromofluoromethane  
 Concen: 50.612 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. 0.006 min  
 Lab File: VN085521.D  
 Acq: 27 Jan 2025 17:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 122515 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.0 | 82.7  | 124.1  |
| 192      | 18.3  | 14.3  | 21.5   |





#50

Toluene-d8

Concen: 49.287 ug/l

RT: 10.565 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN085521.D

Acq: 27 Jan 2025 17:10

Instrument :

MSVOA\_N

ClientSampleId :

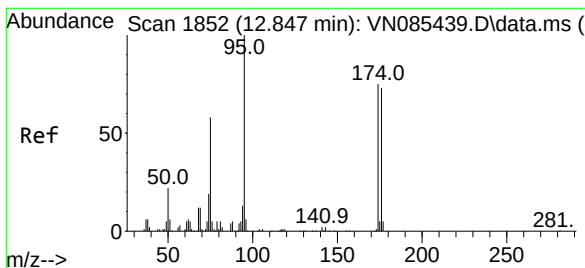
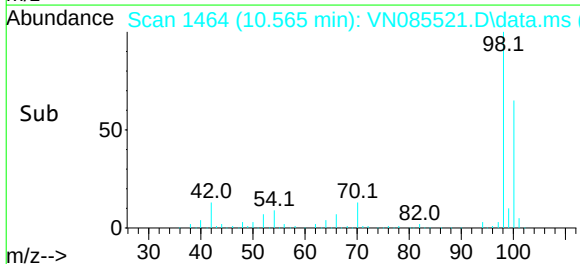
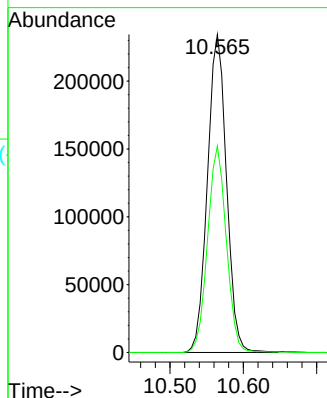
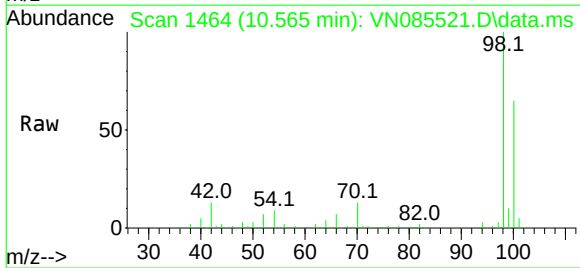
IBLK

Tgt Ion: 98 Resp: 423897

Ion Ratio Lower Upper

98 100

100 63.9 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 44.526 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085521.D

Acq: 27 Jan 2025 17:10

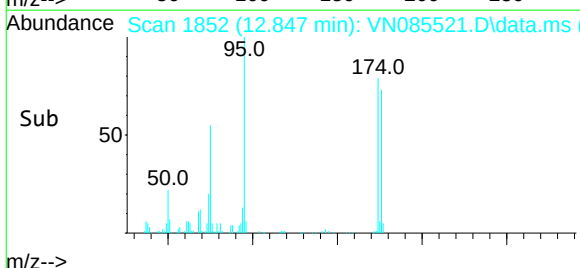
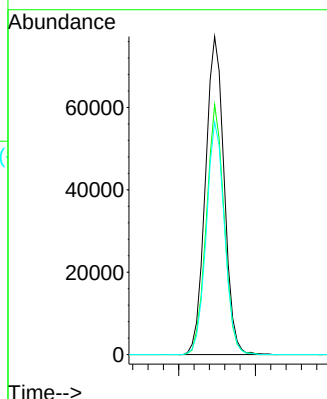
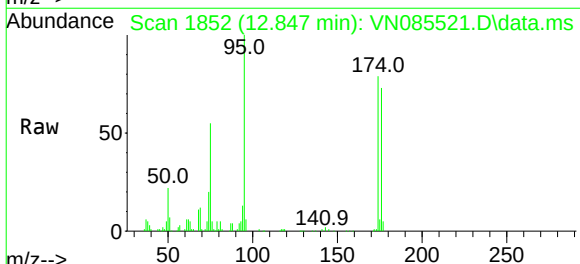
Tgt Ion: 95 Resp: 130999

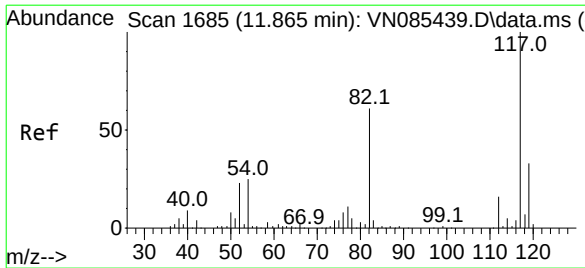
Ion Ratio Lower Upper

95 100

174 74.8 0.0 145.0

176 71.0 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: VN085521.D

Acq: 27 Jan 2025 17:10

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

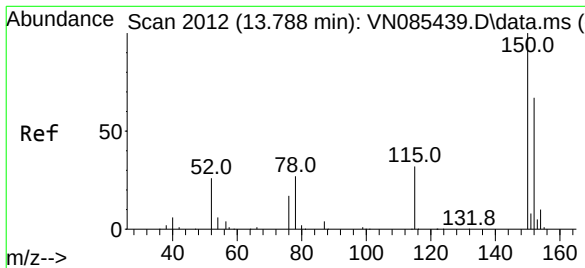
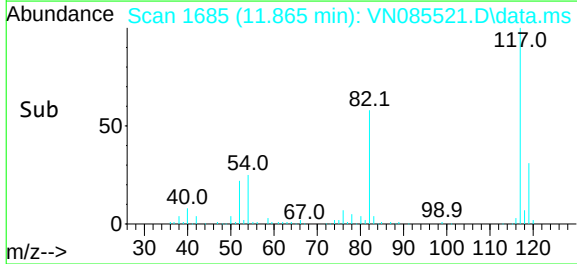
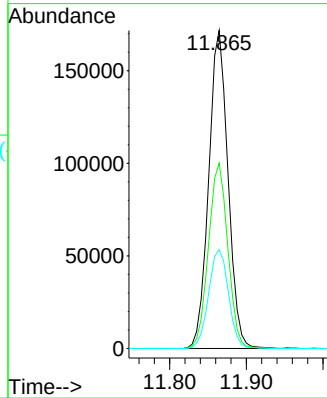
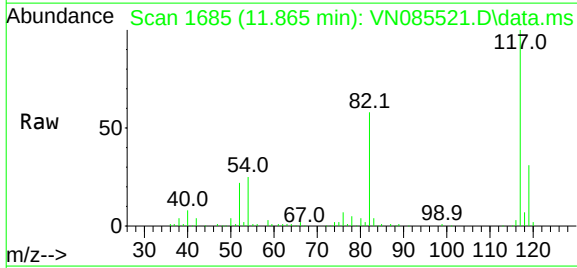
Tgt Ion:117 Resp: 300220

Ion Ratio Lower Upper

117 100

82 58.3 48.6 72.8

119 31.1 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: VN085521.D

Acq: 27 Jan 2025 17:10

Tgt Ion:152 Resp: 118892

Ion Ratio Lower Upper

152 100

115 61.9 31.1 93.3

150 156.5 0.0 343.6

