

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN013125\  
 Data File : VN085610.D  
 Acq On : 31 Jan 2025 18:28  
 Operator : JC\MD  
 Sample : PB166357ZHE#15  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB166357ZHE#15

Quant Time: Jan 31 22:33:25 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

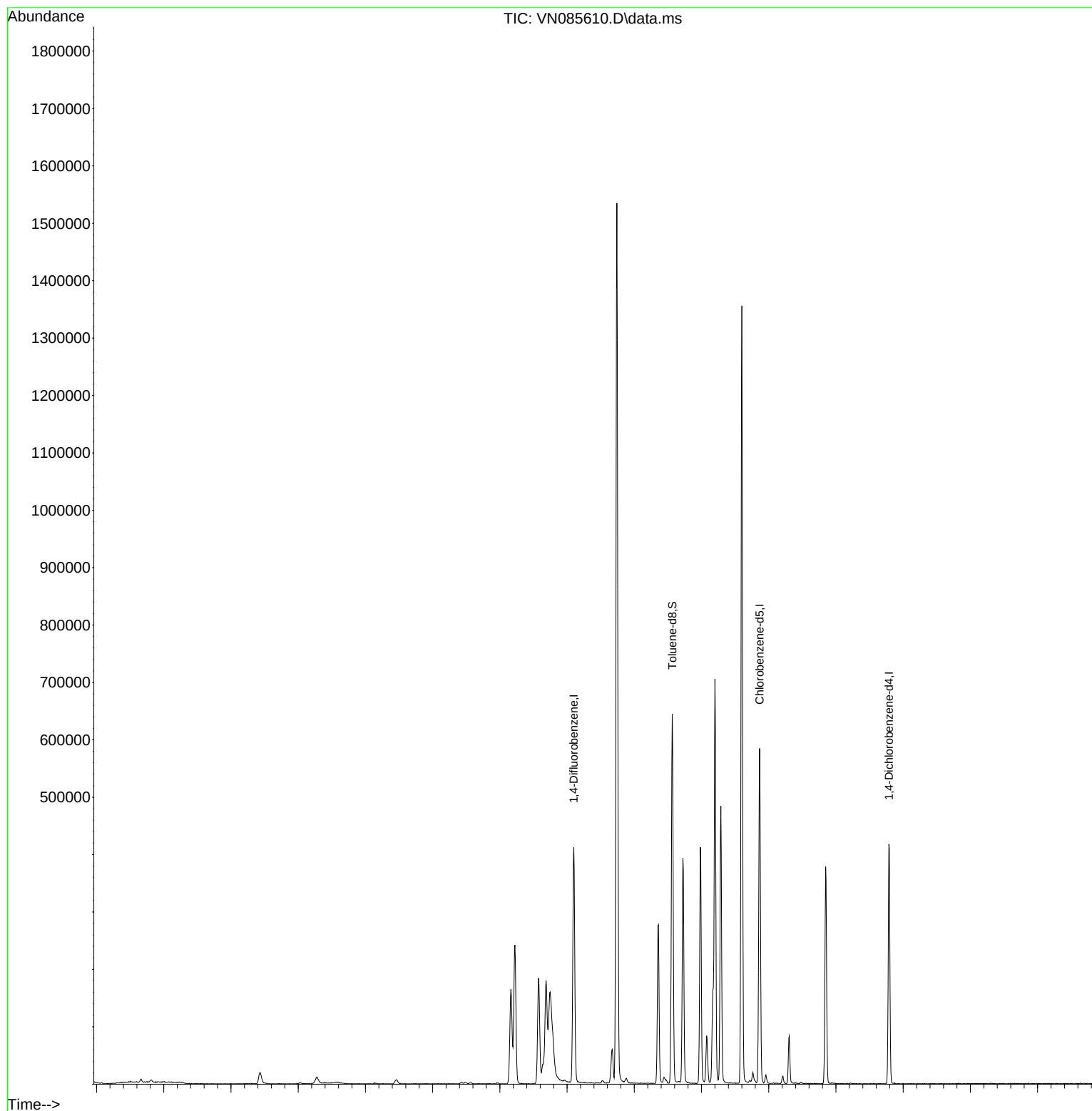
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.224          | 168  | 163859              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 329830              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 311231              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152  | 108090              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 154855              | 58.546 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 117.100% |        |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 114756              | 50.151 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 100.300% |        |        |          |
| 50) Toluene-d8              | 10.565         | 98   | 428150              | 52.663 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 105.320% |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 124546              | 44.784 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 89.560%  |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        |        |          |
| 16) Acetone                 | 4.436          | 43   | 39806               | 46.577 | ug/l   | 96       |
| 20) Methylene Chloride      | 5.277          | 84   | 7795                | 3.684  | ug/l   | 98       |
| 43) Isopropyl Acetate       | 8.688          | 43   | 227320              | 43.766 | ug/l # | 79       |
| -----                       |                |      |                     |        |        |          |

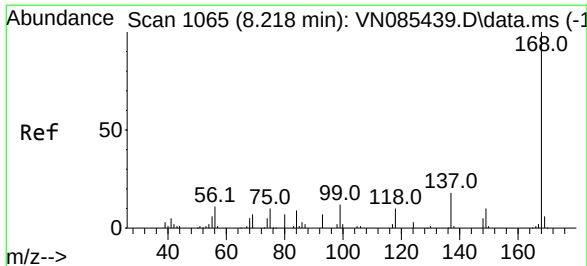
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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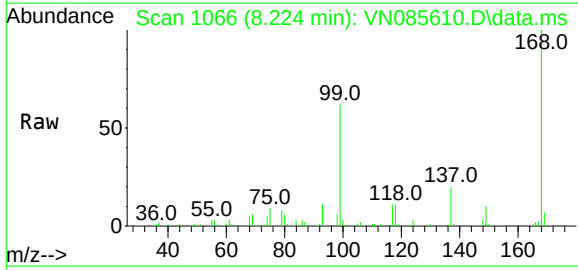
Quant Time: Jan 31 22:33:25 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
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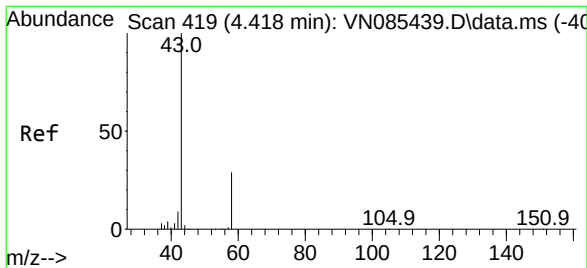
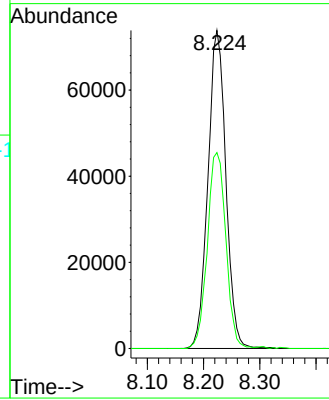
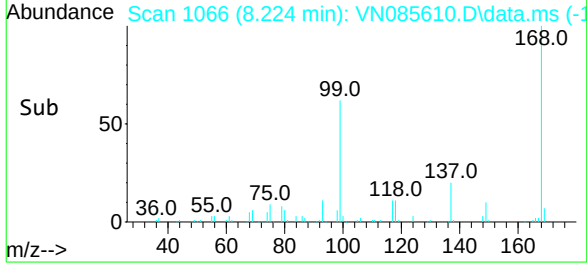


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN085610.D  
Acq: 31 Jan 2025 18:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB166357ZHE#15

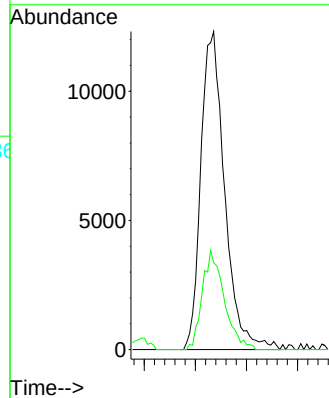
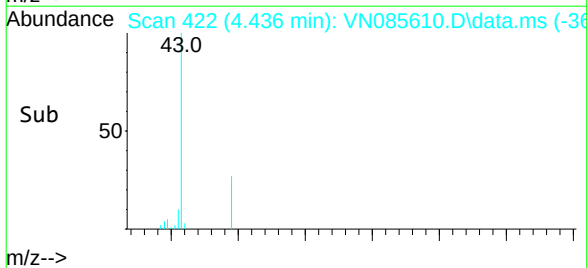
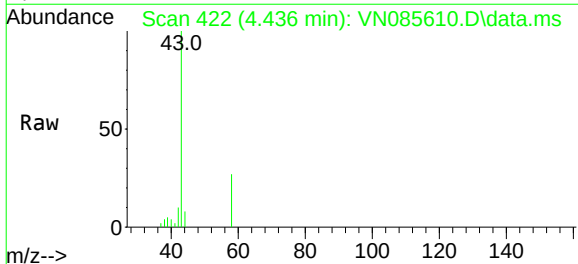


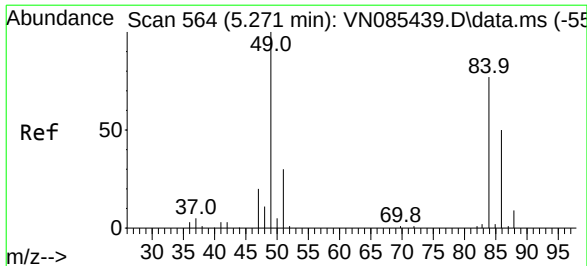
Tgt Ion:168 Resp: 163859  
Ion Ratio Lower Upper  
168 100  
99 61.6 53.6 80.4



#16  
Acetone  
Concen: 46.577 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.018 min  
Lab File: VN085610.D  
Acq: 31 Jan 2025 18:28

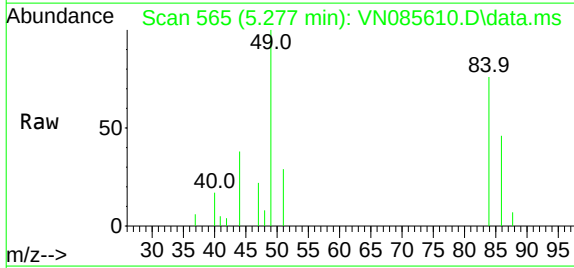
Tgt Ion: 43 Resp: 39806  
Ion Ratio Lower Upper  
43 100  
58 27.3 23.8 35.6



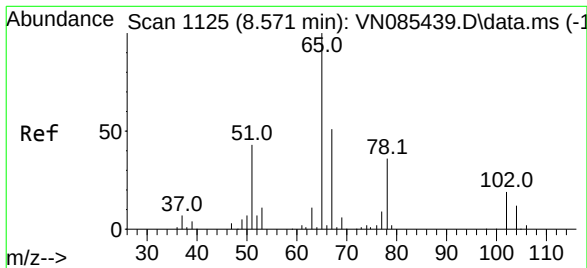
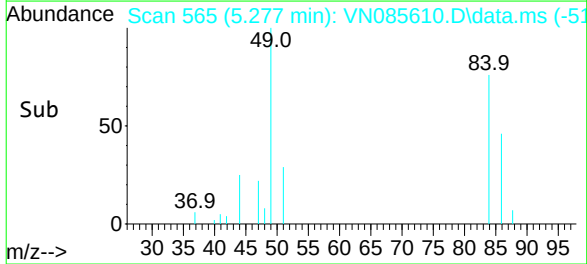
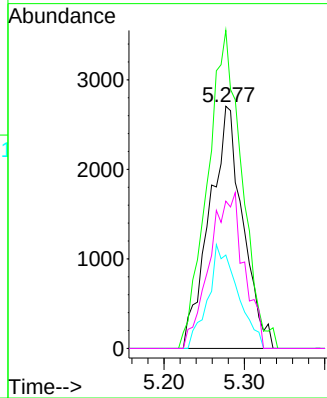


#20  
Methylene Chloride  
Concen: 3.684 ug/l  
RT: 5.277 min Scan# 56  
Delta R.T. 0.006 min  
Lab File: VN085610.D  
Acq: 31 Jan 2025 18:28

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PB166357ZHE#15

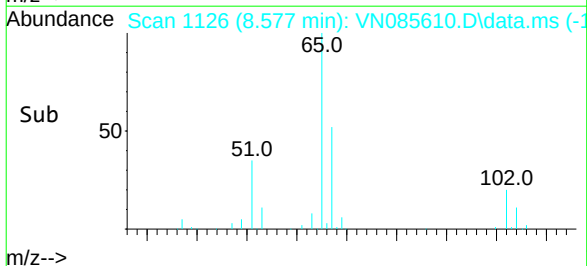
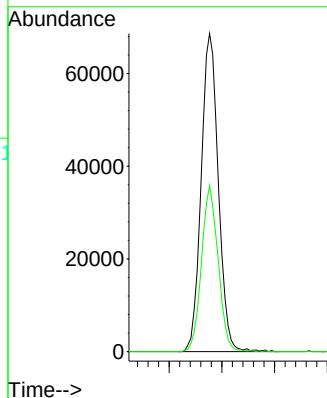
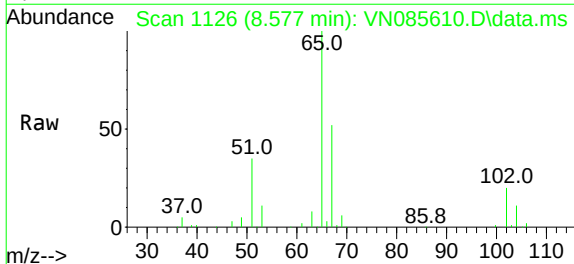


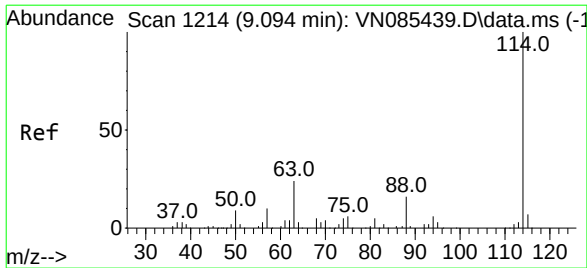
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 7795  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 131.3 | 104.1 | 156.1 |
| 51       | 38.6  | 31.0  | 46.4  |
| 86       | 60.8  | 51.9  | 77.9  |



#33  
1,2-Dichloroethane-d4  
Concen: 58.546 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085610.D  
Acq: 31 Jan 2025 18:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 154855 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 50.6  | 0.0   | 101.6  |

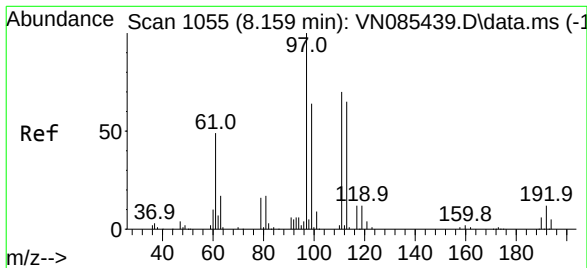
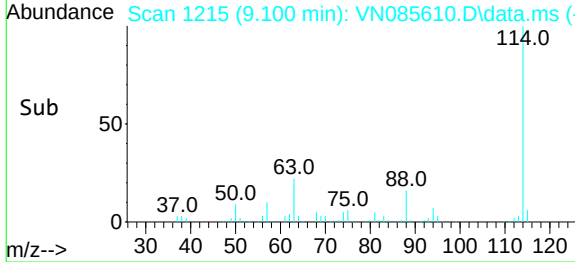
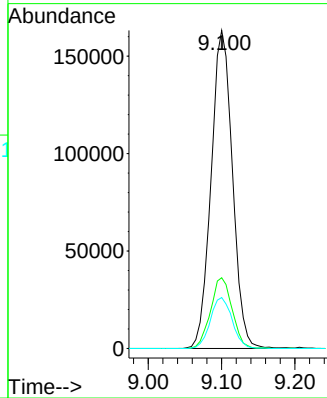
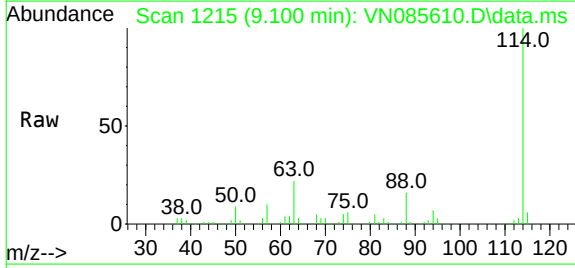




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1214  
Delta R.T. 0.006 min  
Lab File: VN085610.D  
Acq: 31 Jan 2025 18:28

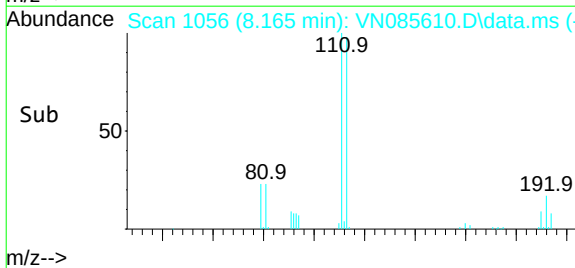
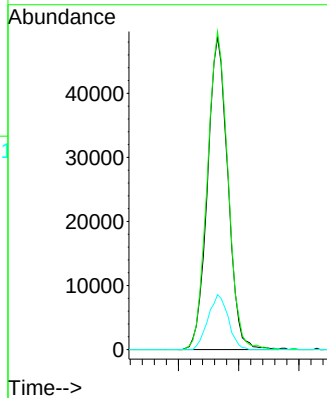
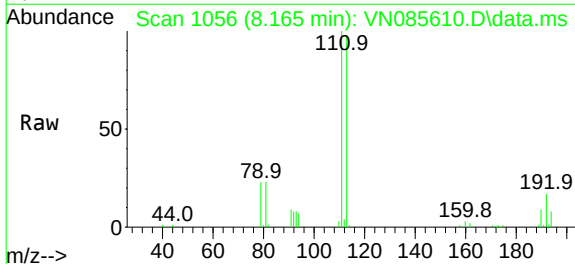
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB166357ZHE#15

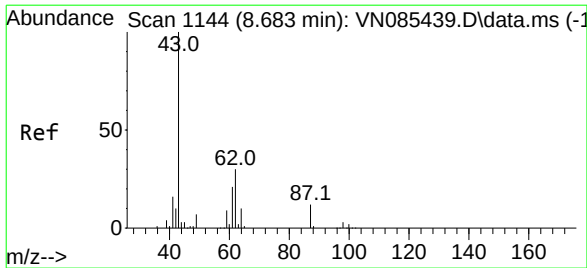
Tgt Ion:114 Resp: 329830  
Ion Ratio Lower Upper  
114 100  
63 22.3 0.0 47.6  
88 16.0 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 50.151 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN085610.D  
Acq: 31 Jan 2025 18:28

Tgt Ion:113 Resp: 114756  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.7 124.1  
192 17.4 14.3 21.5





#43

Isopropyl Acetate

Concen: 43.766 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN085610.D

Acq: 31 Jan 2025 18:28

Instrument :

MSVOA\_N

ClientSampleId :

PB166357ZHE#15

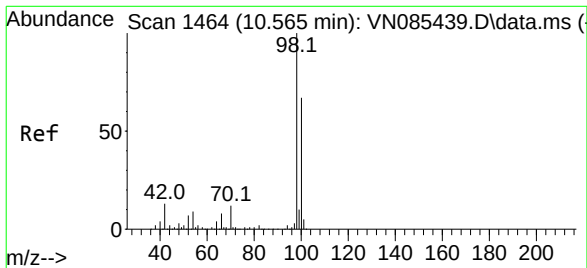
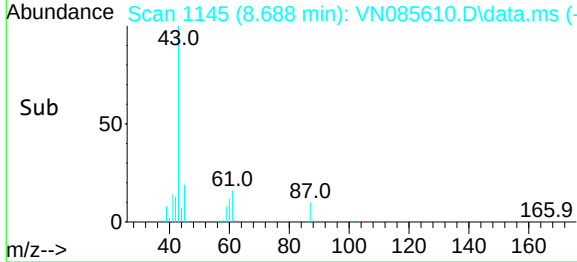
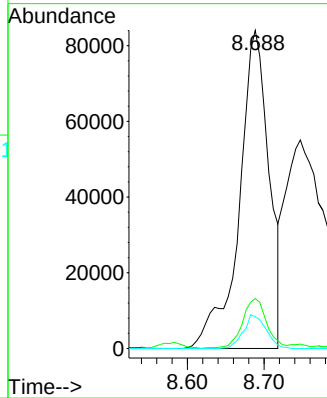
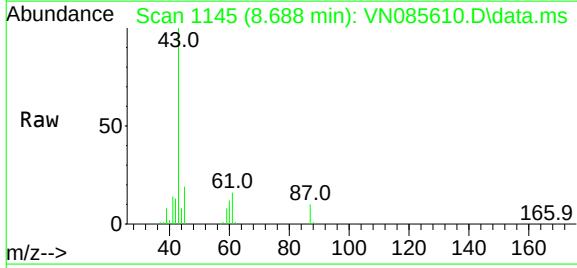
Tgt Ion: 43 Resp: 227320

Ion Ratio Lower Upper

43 100

61 12.8 20.7 31.1#

87 8.0 9.8 14.8#



#50

Toluene-d8

Concen: 52.663 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085610.D

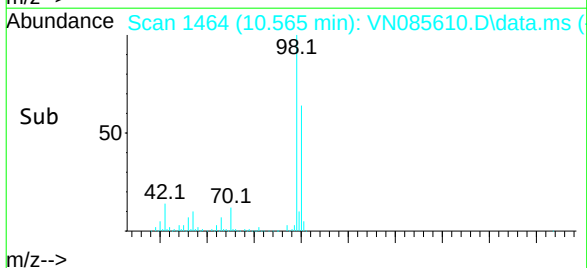
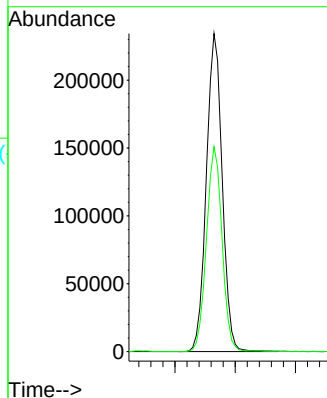
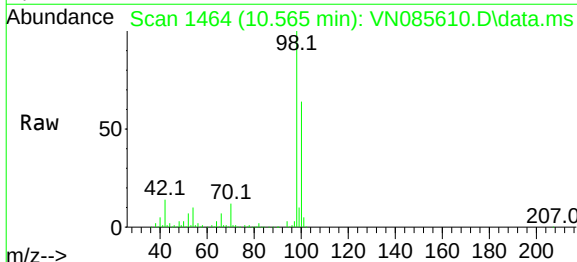
Acq: 31 Jan 2025 18:28

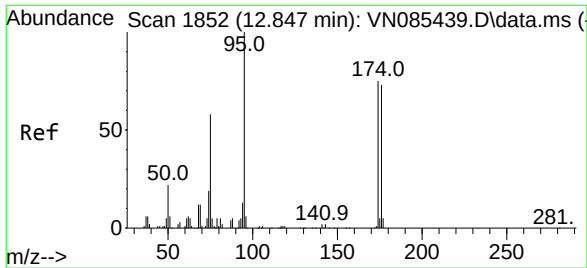
Tgt Ion: 98 Resp: 428150

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 44.784 ug/l

RT: 12.847 min Scan# 18

Delta R.T. 0.000 min

Lab File: VN085610.D

Acq: 31 Jan 2025 18:28

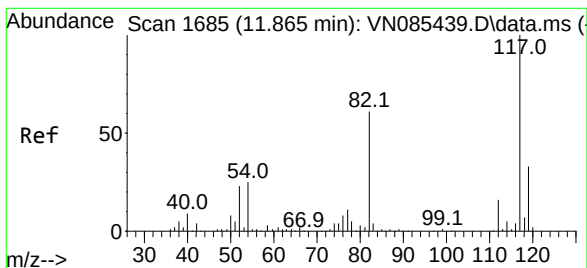
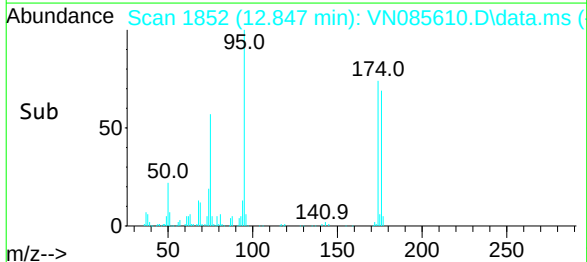
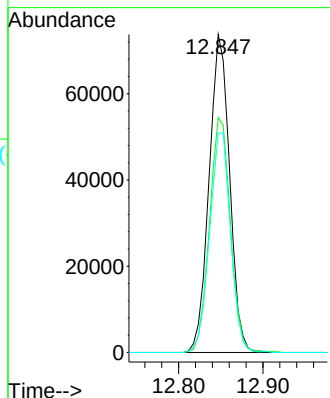
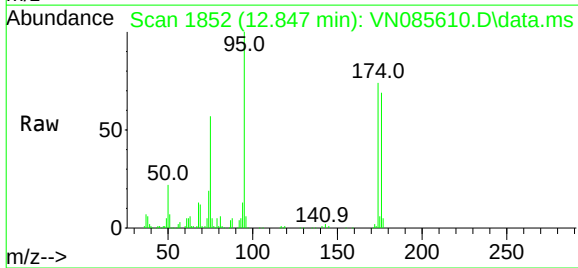
Instrument :

MSVOA\_N

ClientSampleId :

PB166357ZHE#15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 124546 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 75.6  | 0.0   | 145.0  |
| 176       | 70.5  | 0.0   | 142.4  |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

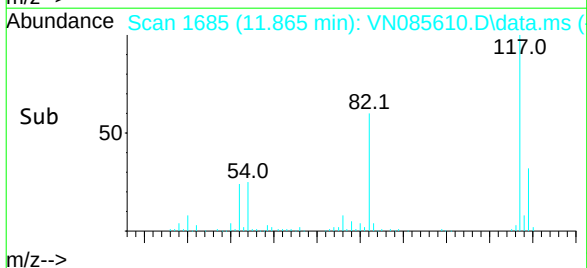
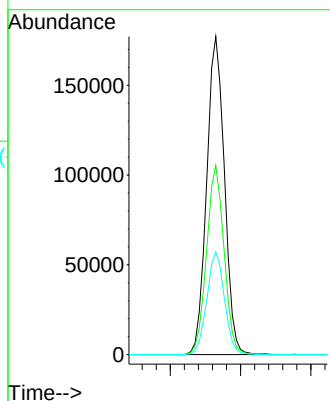
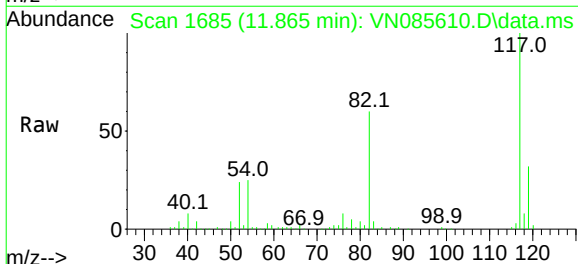
RT: 11.865 min Scan# 1685

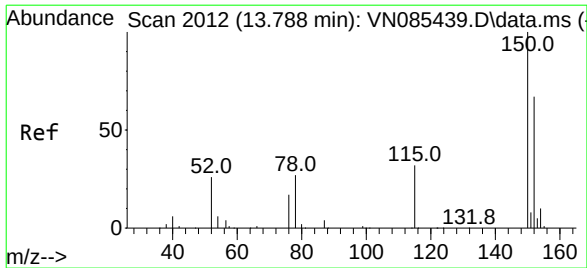
Delta R.T. 0.000 min

Lab File: VN085610.D

Acq: 31 Jan 2025 18:28

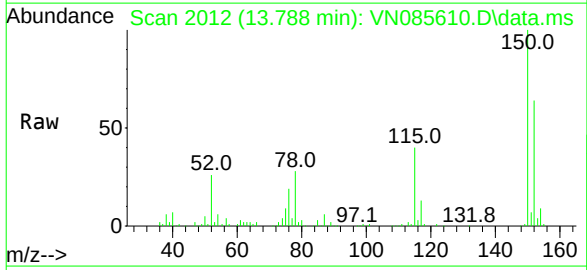
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 311231 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.5  | 48.6  | 72.8   |
| 119       | 32.3  | 26.6  | 39.8   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN085610.D  
 Acq: 31 Jan 2025 18:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB166357ZHE#15



Tgt Ion:152 Resp: 108090  
 Ion Ratio Lower Upper  
 152 100  
 115 61.2 31.1 93.3  
 150 158.7 0.0 343.6

