

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032425\  
 Data File : VN086081.D  
 Acq On : 24 Mar 2025 18:49  
 Operator : JC\MD  
 Sample : Q1619-12  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-4

Quant Time: Mar 25 01:29:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 19 03:20:56 2025  
 Response via : Initial Calibration

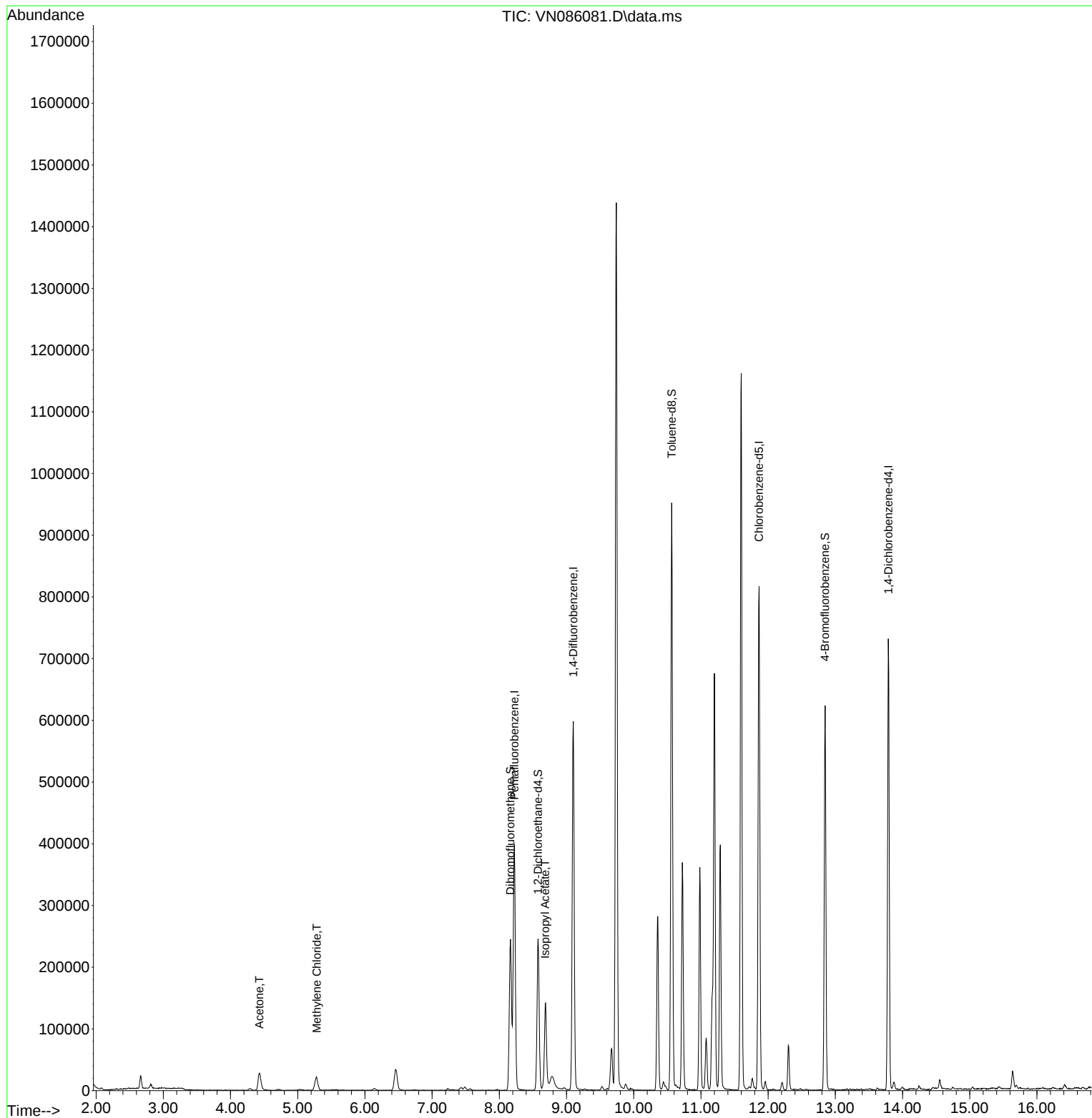
| Compound                    | R.T. QIon |                | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|-----------|----------------|----------|--------|----------|----------|
| -----                       |           |                |          |        |          |          |
| Internal Standards          |           |                |          |        |          |          |
| 1) Pentafluorobenzene       | 8.224     | 168            | 294445   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100     | 114            | 538010   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117            | 503369   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788    | 152            | 211240   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds |           |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.577     | 65             | 202271   | 50.167 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 74 - 125 | Recovery | =      | 100.340% |          |
| 35) Dibromofluoromethane    | 8.165     | 113            | 177307   | 47.216 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 75 - 124 | Recovery | =      | 94.440%  |          |
| 50) Toluene-d8              | 10.565    | 98             | 663293   | 48.668 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 86 - 113 | Recovery | =      | 97.340%  |          |
| 62) 4-Bromofluorobenzene    | 12.847    | 95             | 220176   | 45.299 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 77 - 121 | Recovery | =      | 90.600%  |          |
| Target Compounds            |           |                |          |        |          |          |
|                             |           |                |          |        |          | Qvalue   |
| 16) Acetone                 | 4.430     | 43             | 55174    | 44.791 | ug/l     | 91       |
| 20) Methylene Chloride      | 5.283     | 84             | 17151    | 4.759  | ug/l     | 96       |
| 43) Isopropyl Acetate       | 8.683     | 43             | 160363   | 17.740 | ug/l #   | 84       |
| -----                       |           |                |          |        |          |          |

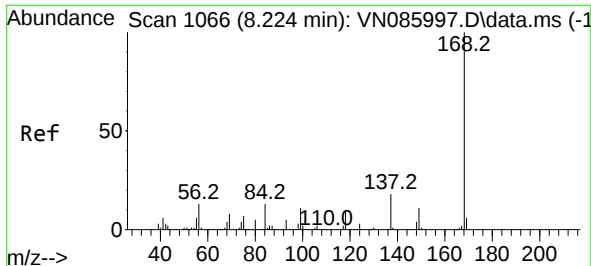
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q1619-12  
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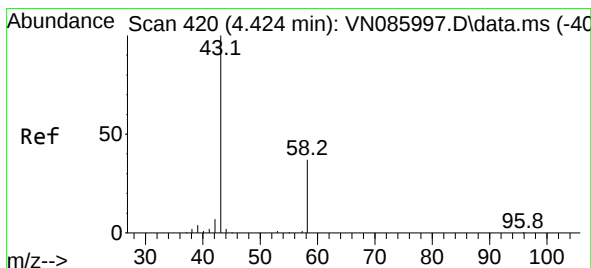
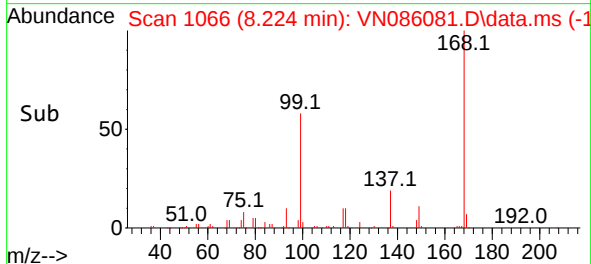
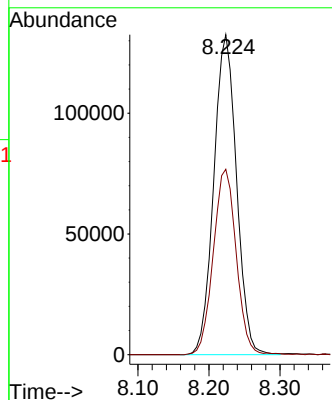
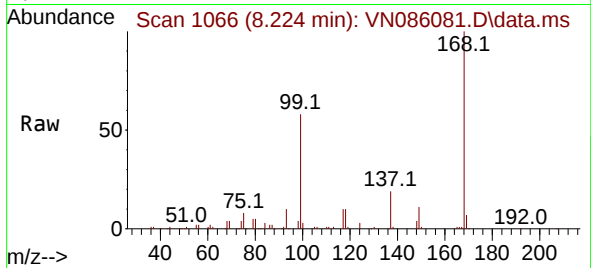




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN086081.D  
Acq: 24 Mar 2025 18:49

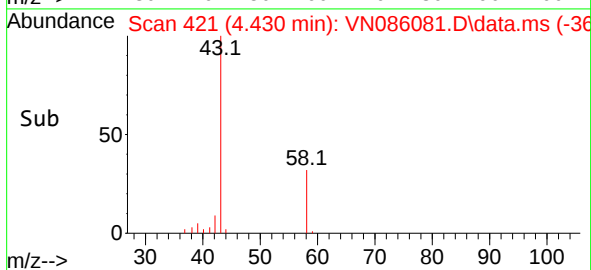
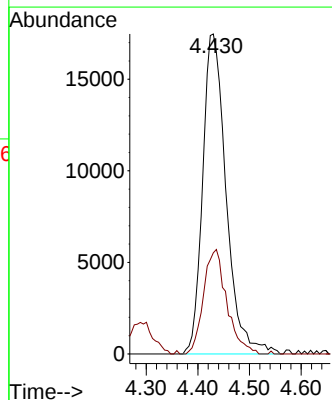
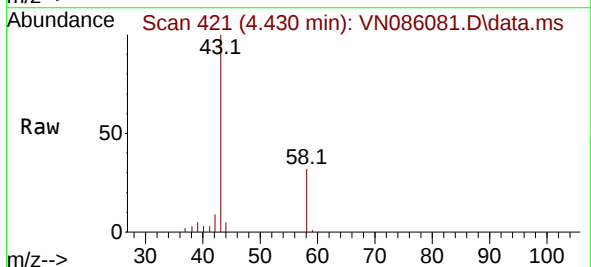
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-4

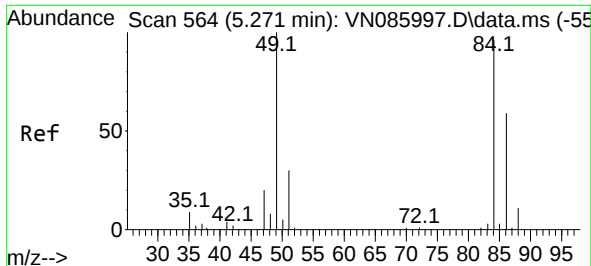
Tgt Ion:168 Resp: 294445  
Ion Ratio Lower Upper  
168 100  
99 58.0 49.4 74.2



#16  
Acetone  
Concen: 44.791 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN086081.D  
Acq: 24 Mar 2025 18:49

Tgt Ion: 43 Resp: 55174  
Ion Ratio Lower Upper  
43 100  
58 31.6 29.4 44.2



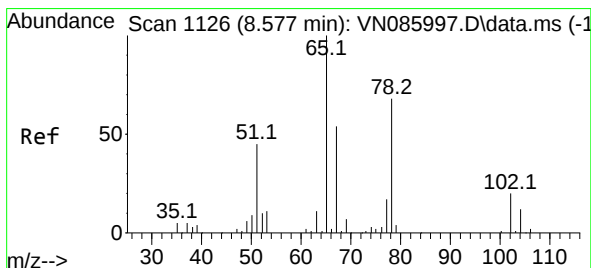
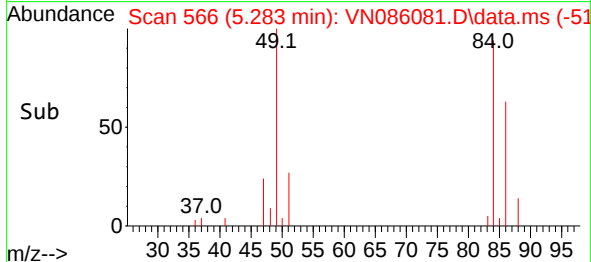
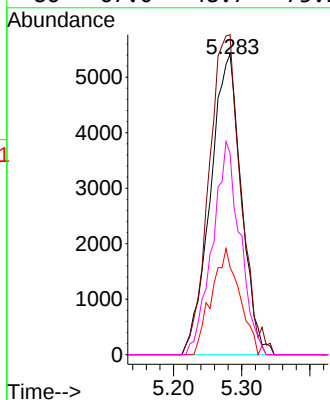
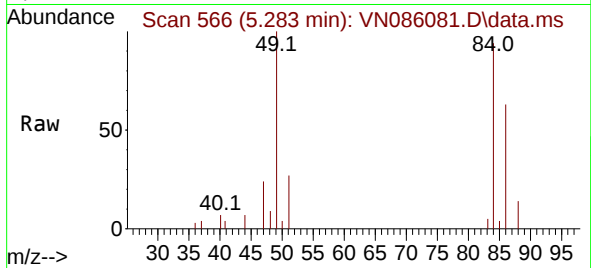


#20  
Methylene Chloride  
Concen: 4.759 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN086081.D  
Acq: 24 Mar 2025 18:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-4

Tgt Ion: 84 Resp: 17151

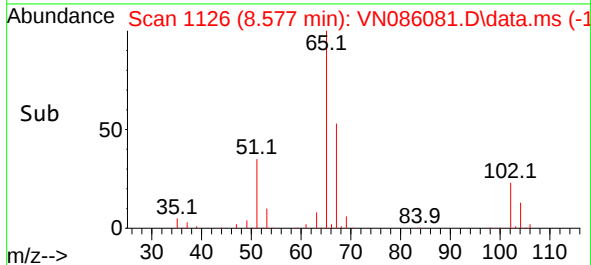
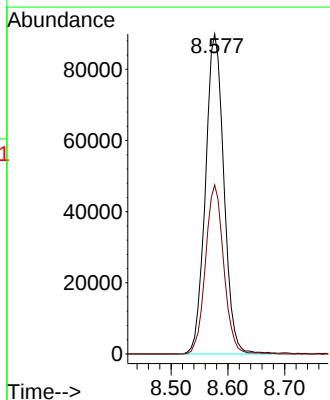
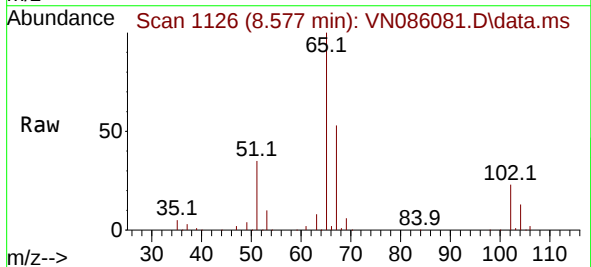
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 106.5 | 83.3  | 124.9 |
| 51  | 29.1  | 24.8  | 37.2  |
| 86  | 67.0  | 48.7  | 73.1  |

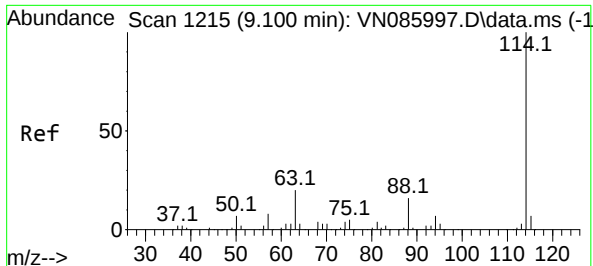


#33  
1,2-Dichloroethane-d4  
Concen: 50.167 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086081.D  
Acq: 24 Mar 2025 18:49

Tgt Ion: 65 Resp: 202271

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.3  | 0.0   | 102.2 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086081.D

Acq: 24 Mar 2025 18:49

Instrument :

MSVOA\_N

ClientSampleId :

TP-4

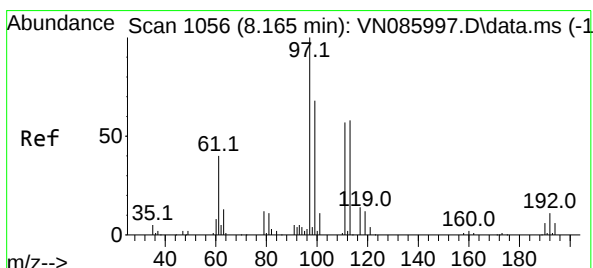
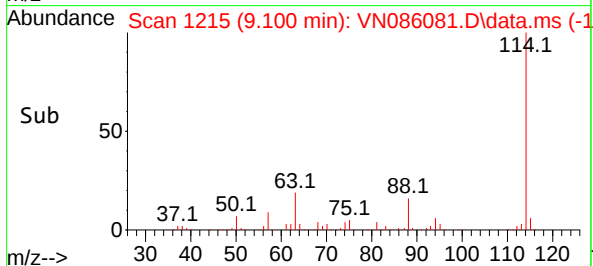
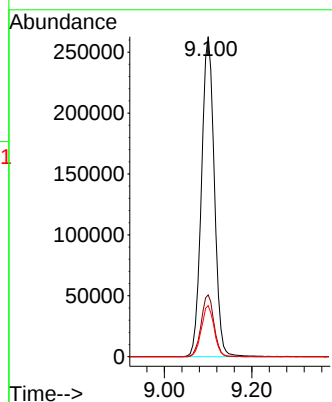
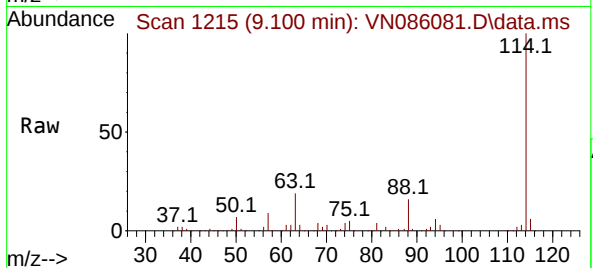
Tgt Ion:114 Resp: 538010

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.216 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086081.D

Acq: 24 Mar 2025 18:49

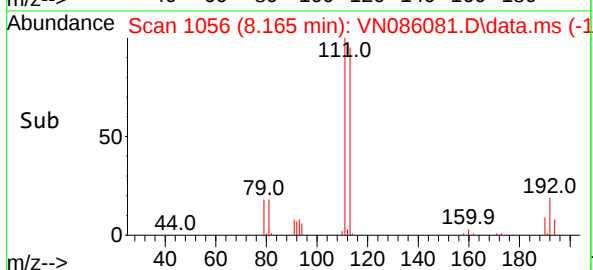
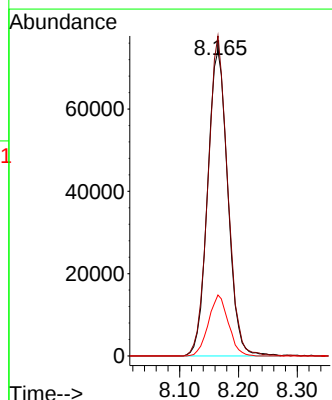
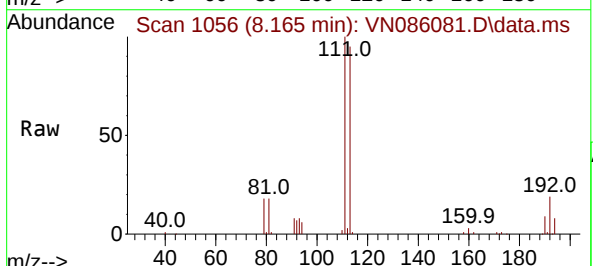
Tgt Ion:113 Resp: 177307

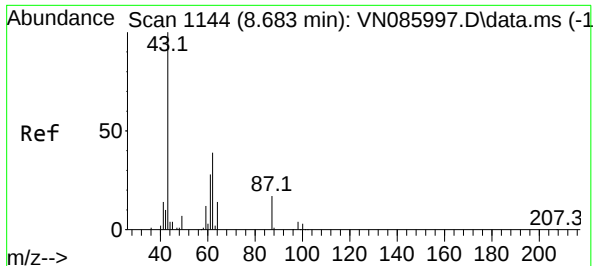
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

192 19.6 15.9 23.9





#43

Isopropyl Acetate

Concen: 17.740 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086081.D

Acq: 24 Mar 2025 18:49

Instrument :

MSVOA\_N

ClientSampleId :

TP-4

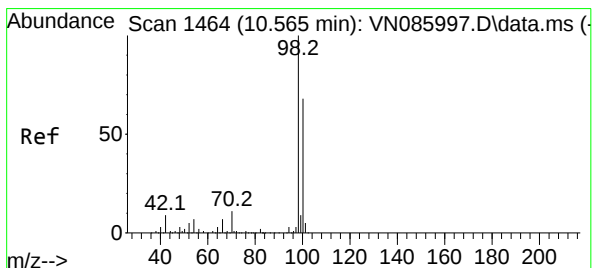
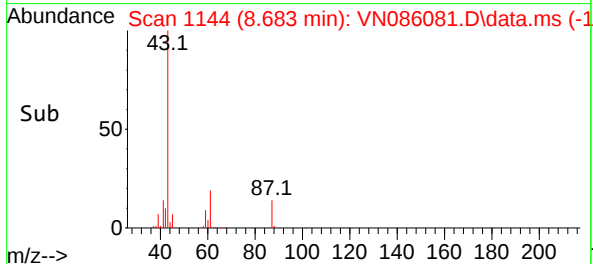
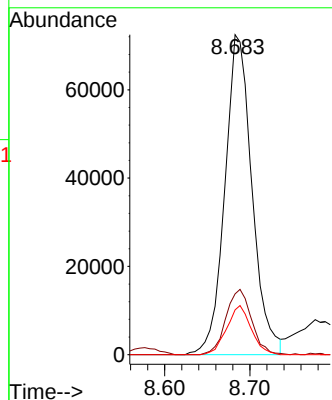
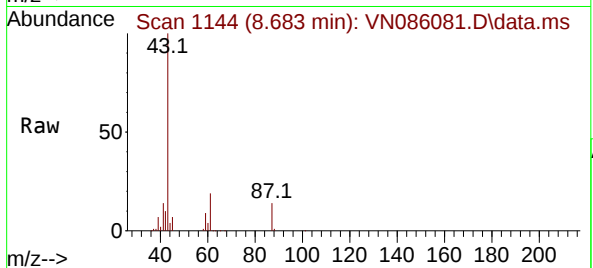
Tgt Ion: 43 Resp: 160363

Ion Ratio Lower Upper

43 100

61 19.2 25.0 37.6#

87 13.9 13.0 19.4



#50

Toluene-d8

Concen: 48.668 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086081.D

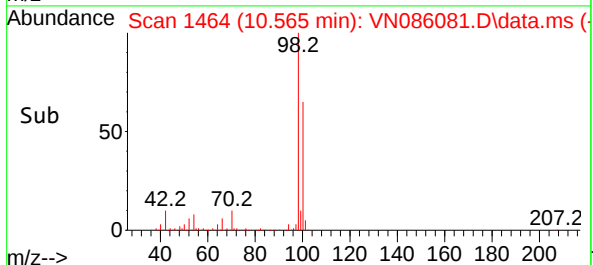
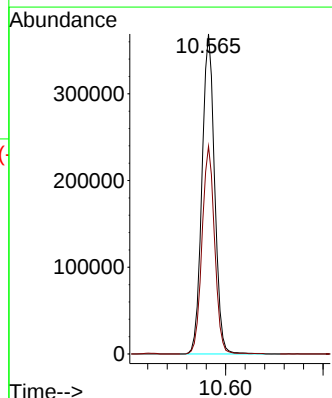
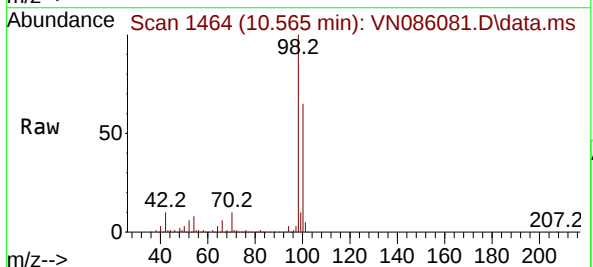
Acq: 24 Mar 2025 18:49

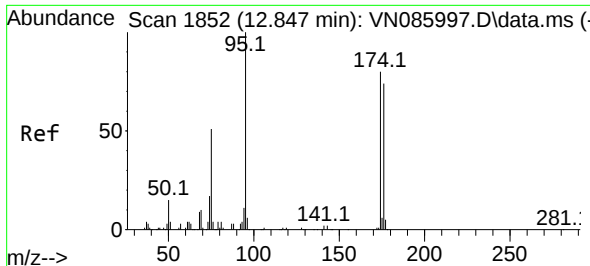
Tgt Ion: 98 Resp: 663293

Ion Ratio Lower Upper

98 100

100 64.5 53.1 79.7

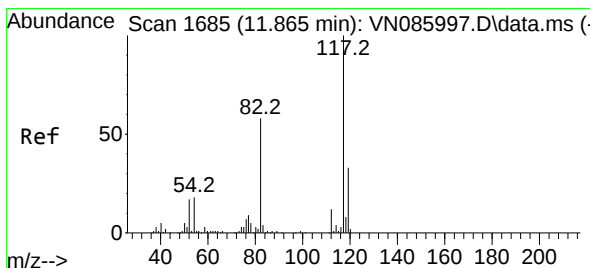
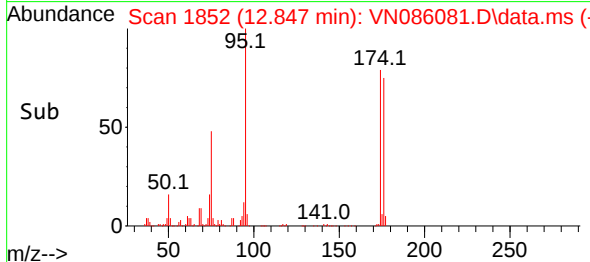
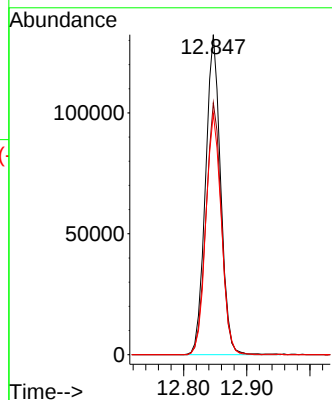
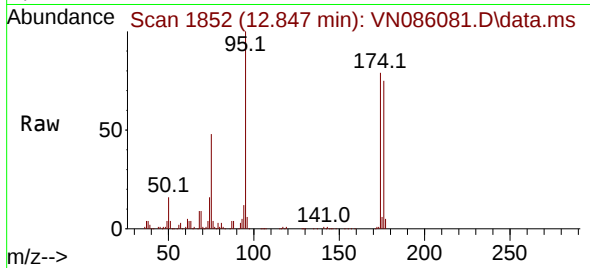




#62  
4-Bromofluorobenzene  
Concen: 45.299 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086081.D  
Acq: 24 Mar 2025 18:49

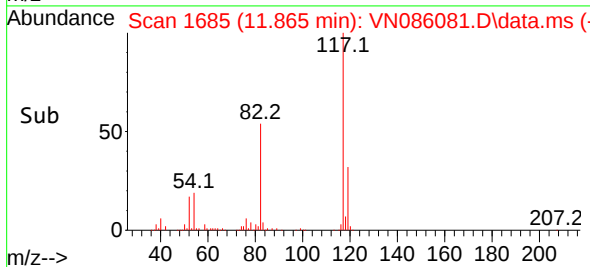
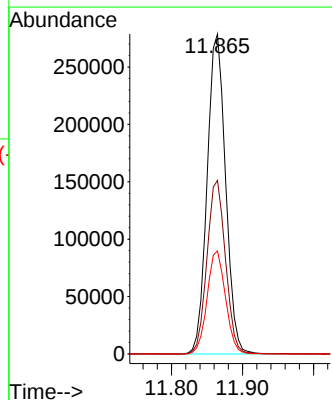
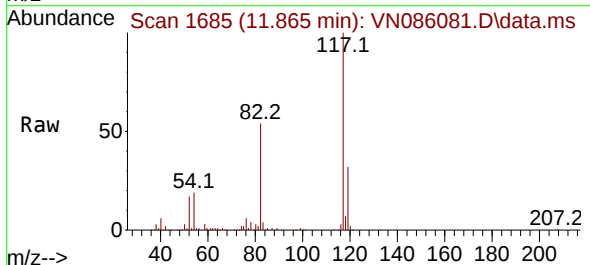
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-4

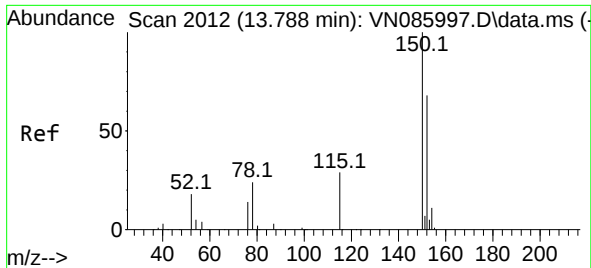
Tgt Ion: 95 Resp: 220176  
Ion Ratio Lower Upper  
95 100  
174 80.2 0.0 156.8  
176 77.1 0.0 152.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN086081.D  
Acq: 24 Mar 2025 18:49

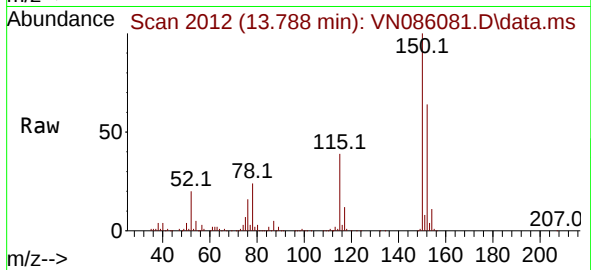
Tgt Ion: 117 Resp: 503369  
Ion Ratio Lower Upper  
117 100  
82 54.2 46.7 70.1  
119 32.2 26.5 39.7





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN086081.D  
 Acq: 24 Mar 2025 18:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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Tgt Ion:152 Resp: 211240  
 Ion Ratio Lower Upper  
 152 100  
 115 58.8 31.1 93.2  
 150 155.1 0.0 359.6

