

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032625\  
 Data File : VN086128.D  
 Acq On : 26 Mar 2025 16:00  
 Operator : JC\MD  
 Sample : Q1636-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-2

Quant Time: Mar 27 01:39:30 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

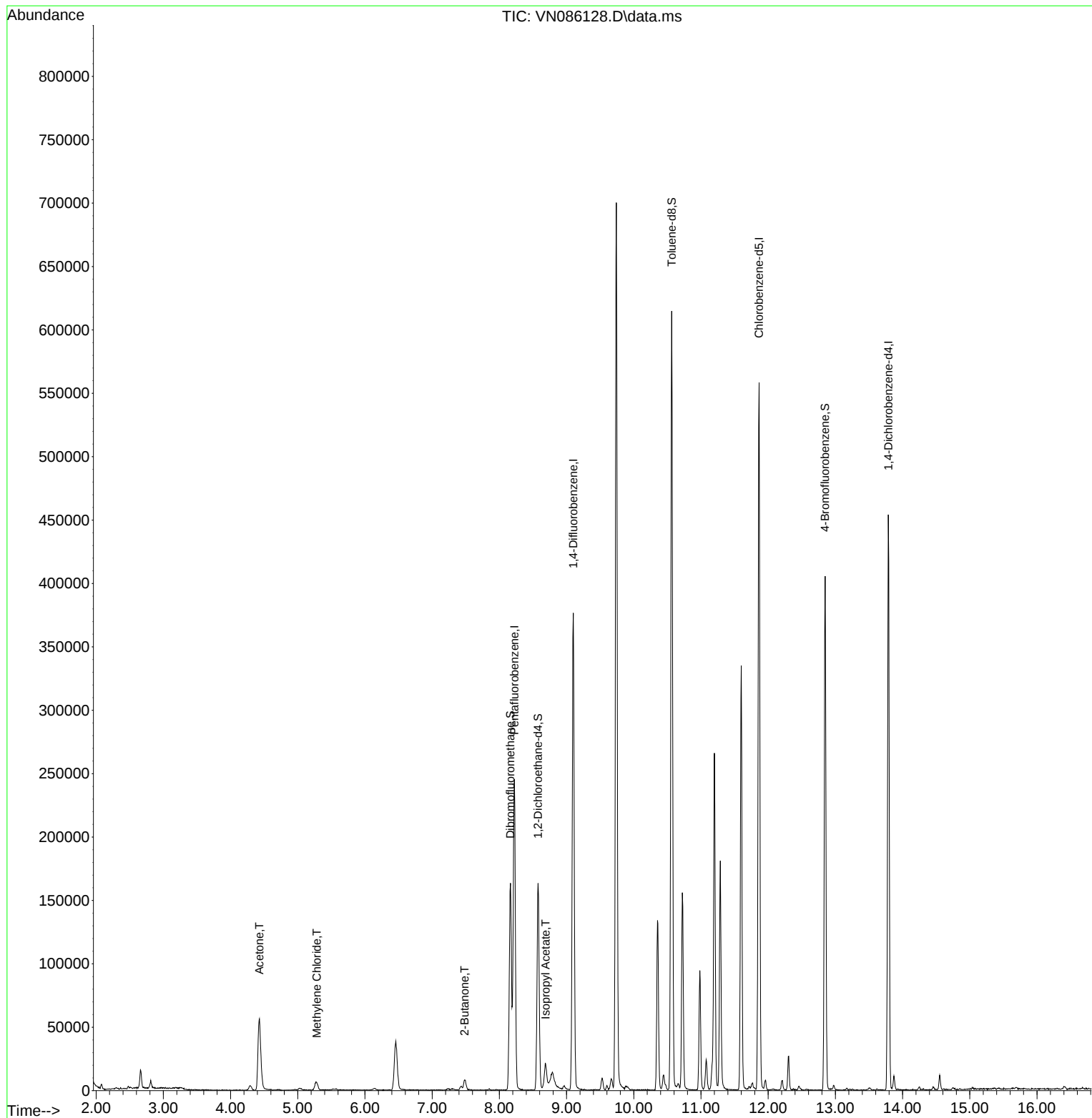
| Compound                    | R.T. QIon |                | Response | Conc    | Units    | Dev(Min) |
|-----------------------------|-----------|----------------|----------|---------|----------|----------|
| -----                       |           |                |          |         |          |          |
| Internal Standards          |           |                |          |         |          |          |
| 1) Pentafluorobenzene       | 8.224     | 168            | 179080   | 50.000  | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100     | 114            | 333061   | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117            | 331934   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788    | 152            | 129360   | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds |           |                |          |         |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.577     | 65             | 136135   | 55.515  | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 74 - 125 | Recovery | =       | 111.040% |          |
| 35) Dibromofluoromethane    | 8.165     | 113            | 117150   | 50.393  | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 75 - 124 | Recovery | =       | 100.780% |          |
| 50) Toluene-d8              | 10.565    | 98             | 438908   | 52.021  | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 86 - 113 | Recovery | =       | 104.040% |          |
| 62) 4-Bromofluorobenzene    | 12.847    | 95             | 143793   | 47.789  | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 77 - 121 | Recovery | =       | 95.580%  |          |
| Target Compounds            |           |                |          |         |          |          |
|                             |           |                |          |         | Qvalue   |          |
| 16) Acetone                 | 4.430     | 43             | 105880   | 141.329 | ug/l     | 98       |
| 20) Methylene Chloride      | 5.283     | 84             | 5757     | 2.627   | ug/l #   | 88       |
| 25) 2-Butanone              | 7.482     | 43             | 14222    | 13.156  | ug/l     | 96       |
| 43) Isopropyl Acetate       | 8.688     | 43             | 25465    | 4.551   | ug/l #   | 78       |
| -----                       |           |                |          |         |          |          |

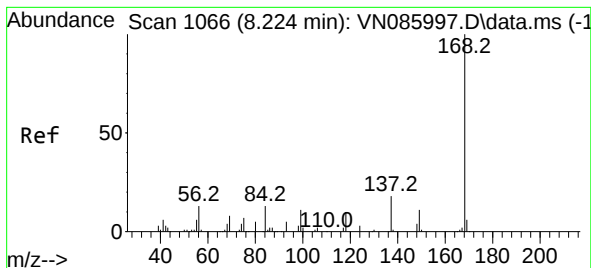
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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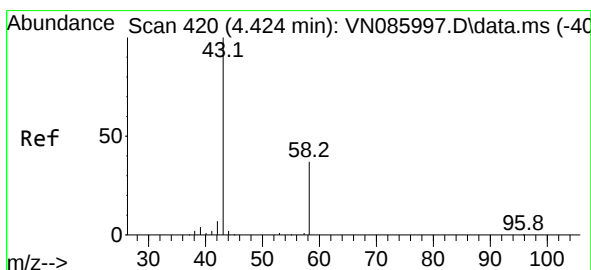
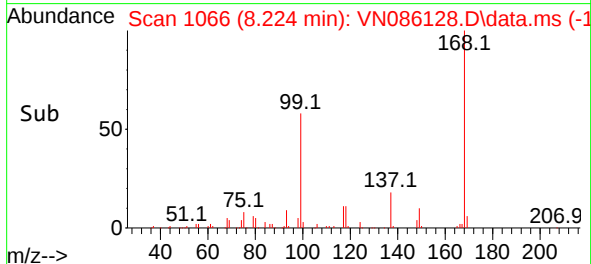
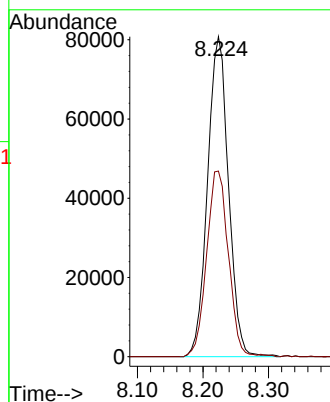
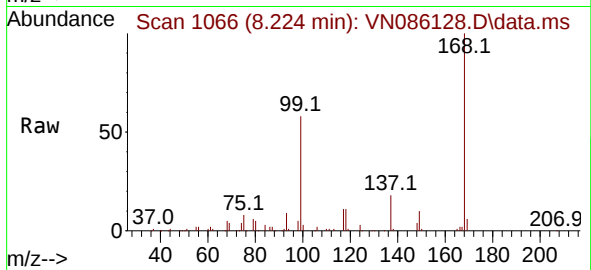




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN086128.D  
Acq: 26 Mar 2025 16:00

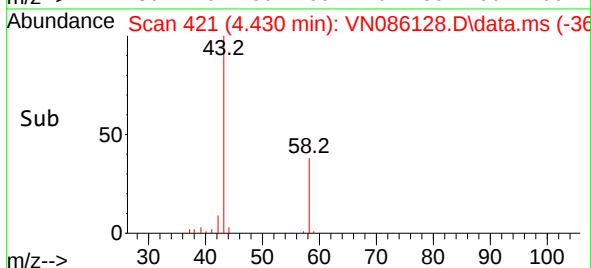
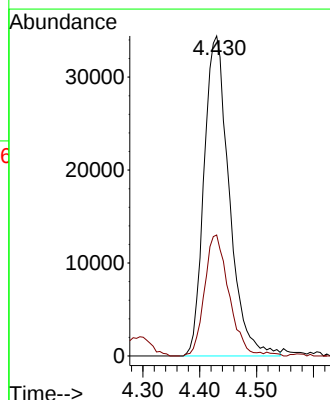
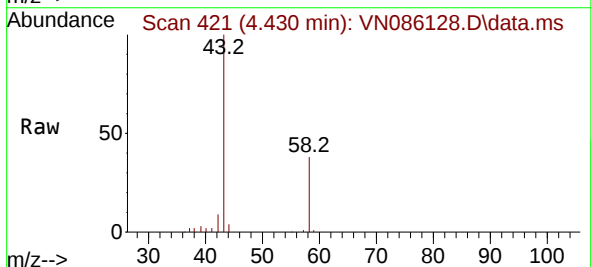
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-2

Tgt Ion:168 Resp: 179080  
Ion Ratio Lower Upper  
168 100  
99 58.0 49.4 74.2



#16  
Acetone  
Concen: 141.329 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN086128.D  
Acq: 26 Mar 2025 16:00

Tgt Ion: 43 Resp: 105880  
Ion Ratio Lower Upper  
43 100  
58 37.8 29.4 44.2

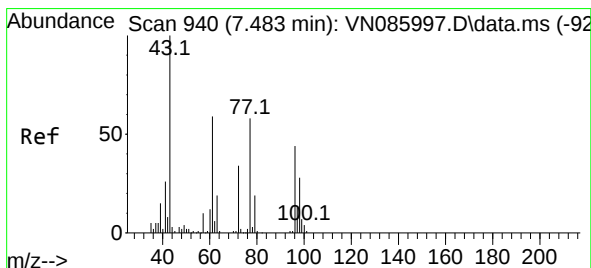
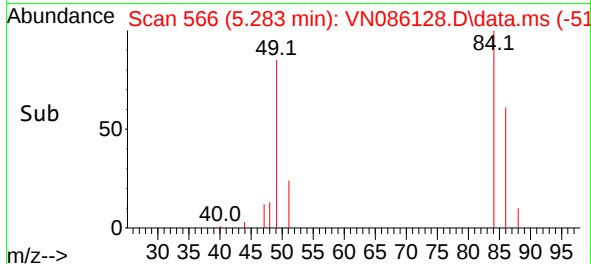
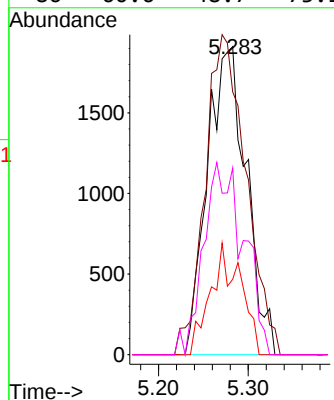
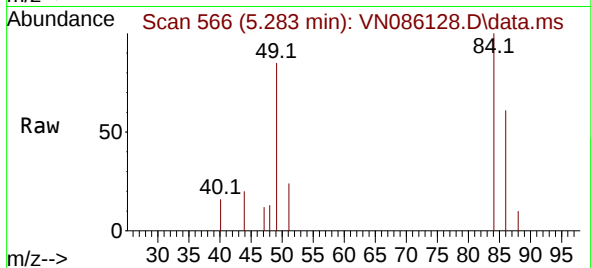




#20  
Methylene Chloride  
Concen: 2.627 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN086128.D  
Acq: 26 Mar 2025 16:00

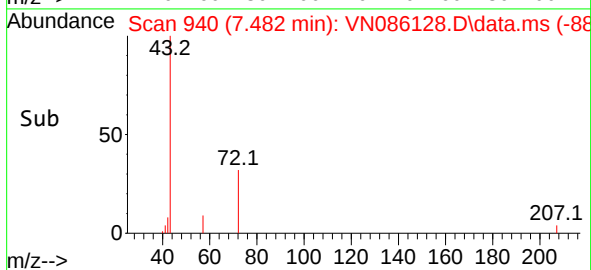
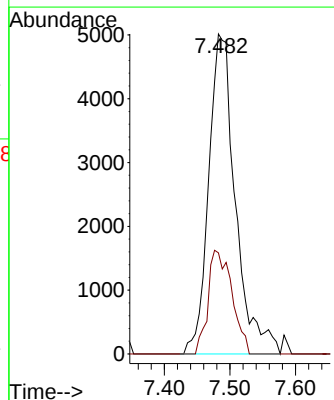
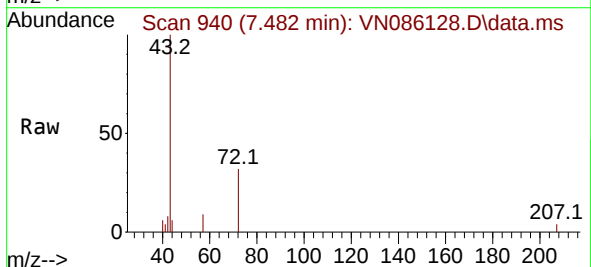
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-2

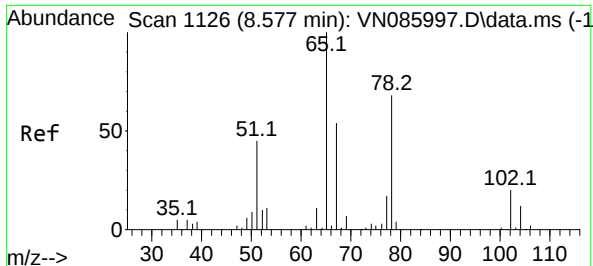
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 5757  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 85.3     | 83.3 124.9  |
| 51 24.4     | 24.8 37.2#  |
| 86 60.6     | 48.7 73.1   |



#25  
2-Butanone  
Concen: 13.156 ug/l  
RT: 7.482 min Scan# 940  
Delta R.T. -0.000 min  
Lab File: VN086128.D  
Acq: 26 Mar 2025 16:00

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 14222 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 72 31.6     | 27.4 41.0   |





#33

1,2-Dichloroethane-d4

Concen: 55.515 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086128.D

Acq: 26 Mar 2025 16:00

Instrument :

MSVOA\_N

ClientSampleId :

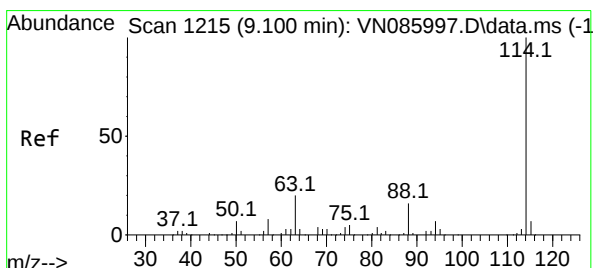
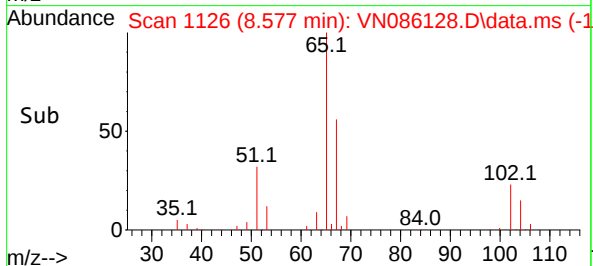
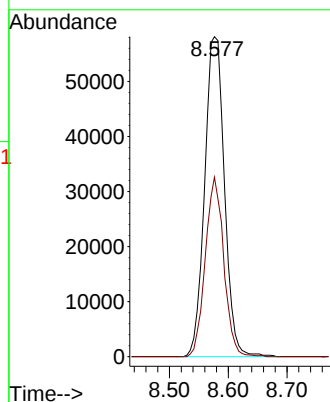
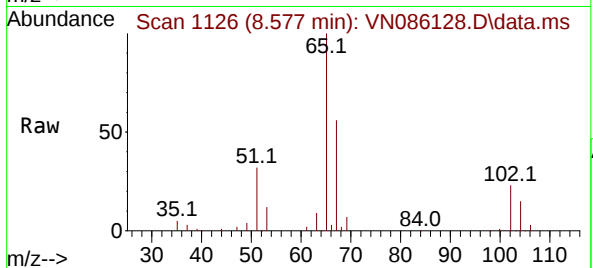
WC-2

Tgt Ion: 65 Resp: 136135

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086128.D

Acq: 26 Mar 2025 16:00

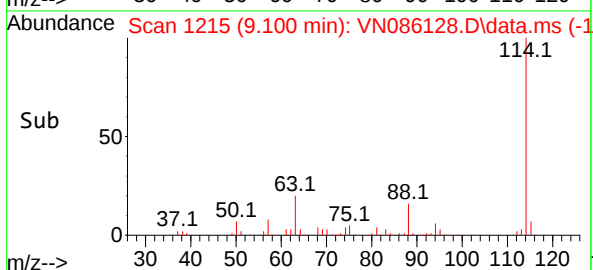
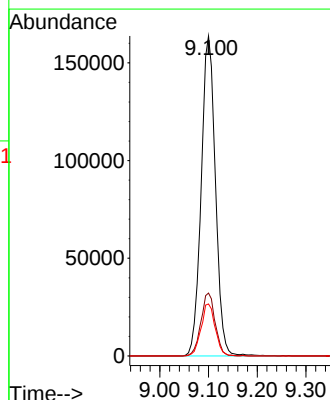
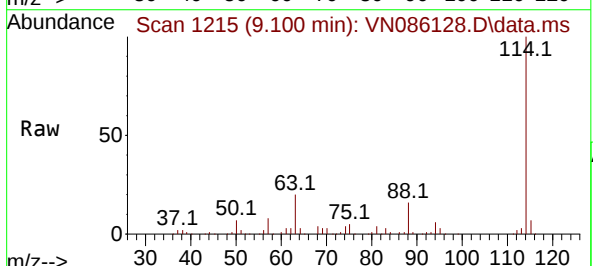
Tgt Ion: 114 Resp: 333061

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 16.2 0.0 32.6

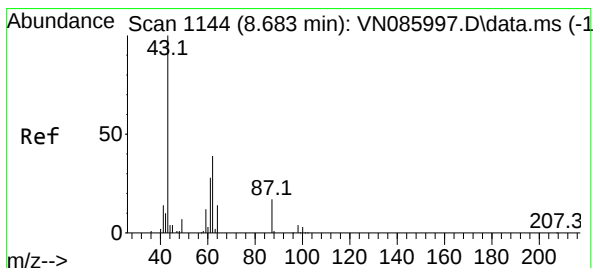
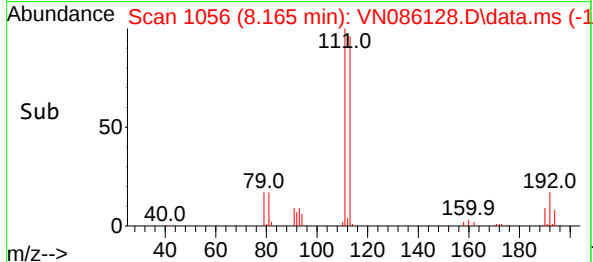
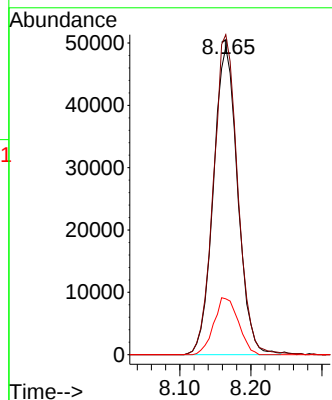
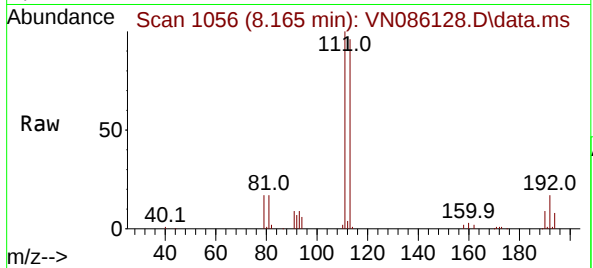




#35  
Dibromofluoromethane  
Concen: 50.393 ug/l  
RT: 8.165 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VN086128.D  
Acq: 26 Mar 2025 16:00

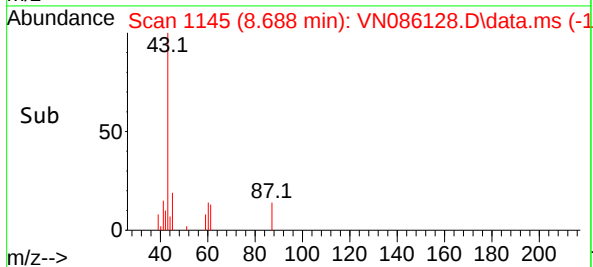
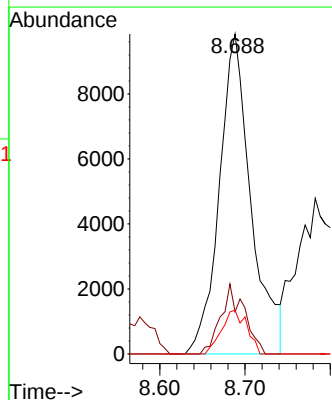
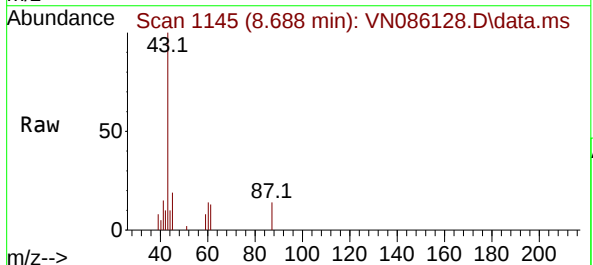
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-2

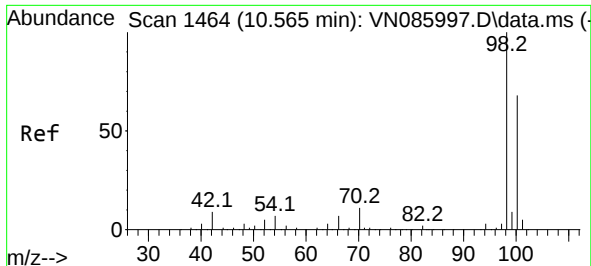
Tgt Ion:113 Resp: 117150  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.8 122.8  
192 18.7 15.9 23.9



#43  
Isopropyl Acetate  
Concen: 4.551 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.006 min  
Lab File: VN086128.D  
Acq: 26 Mar 2025 16:00

Tgt Ion: 43 Resp: 25465  
Ion Ratio Lower Upper  
43 100  
61 16.3 25.0 37.6#  
87 10.9 13.0 19.4#

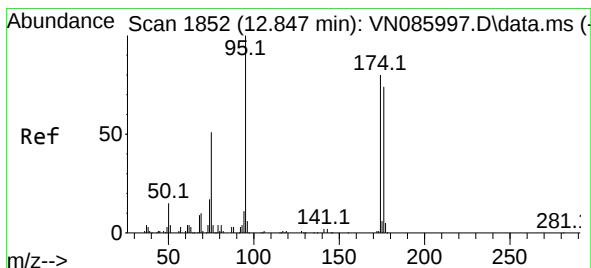
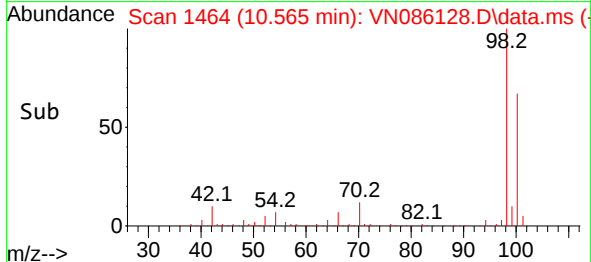
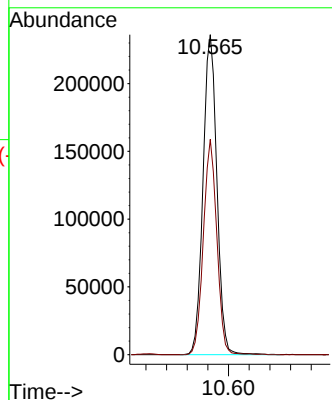
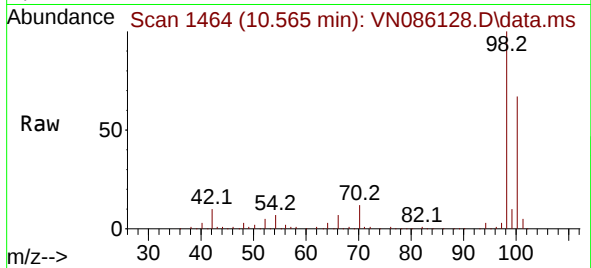




#50  
Toluene-d8  
Concen: 52.021 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086128.D  
Acq: 26 Mar 2025 16:00

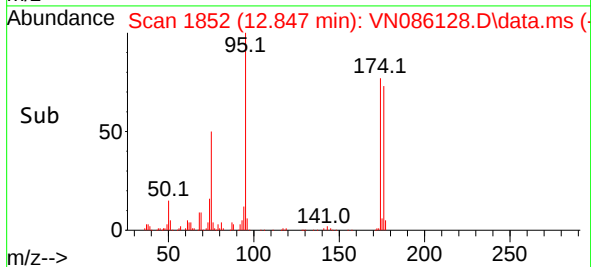
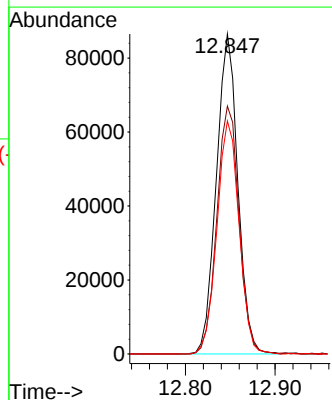
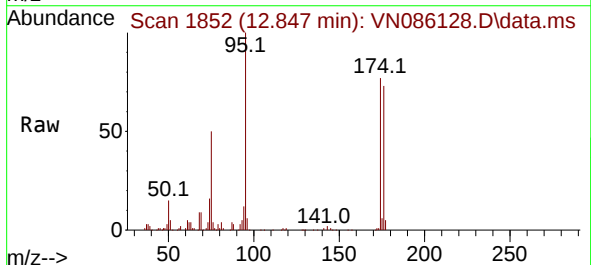
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-2

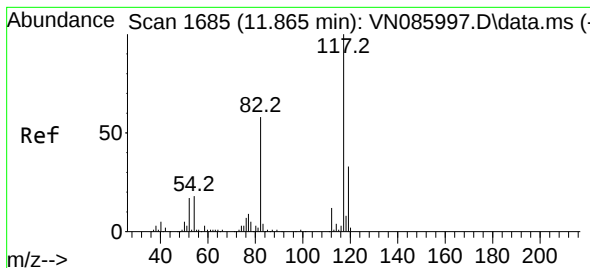
Tgt Ion: 98 Resp: 438908  
Ion Ratio Lower Upper  
98 100  
100 65.3 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 47.789 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086128.D  
Acq: 26 Mar 2025 16:00

Tgt Ion: 95 Resp: 143793  
Ion Ratio Lower Upper  
95 100  
174 80.3 0.0 156.8  
176 75.0 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086128.D

Acq: 26 Mar 2025 16:00

Instrument :

MSVOA\_N

ClientSampleId :

WC-2

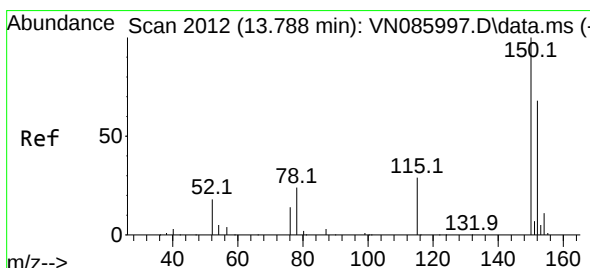
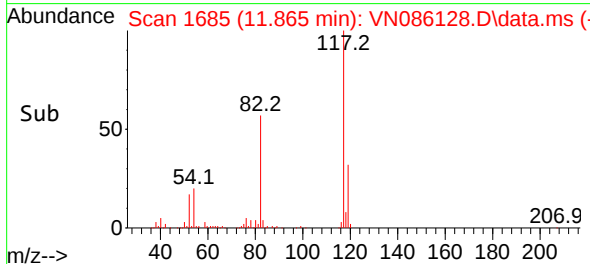
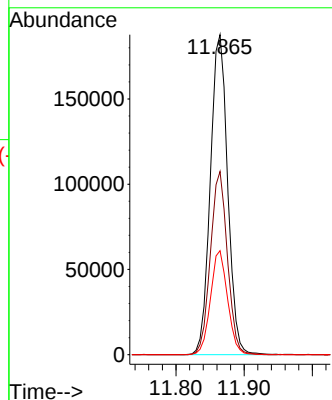
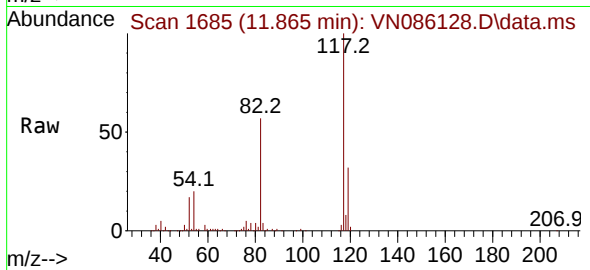
Tgt Ion:117 Resp: 331934

Ion Ratio Lower Upper

117 100

82 57.3 46.7 70.1

119 32.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086128.D

Acq: 26 Mar 2025 16:00

Tgt Ion:152 Resp: 129360

Ion Ratio Lower Upper

152 100

115 60.1 31.1 93.2

150 155.6 0.0 359.6

