

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
 Data File : VN086934.D  
 Acq On : 10 Jun 2025 17:09  
 Operator : JC\MD  
 Sample : Q2202-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-9-20250603

Quant Time: Jun 11 01:58:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

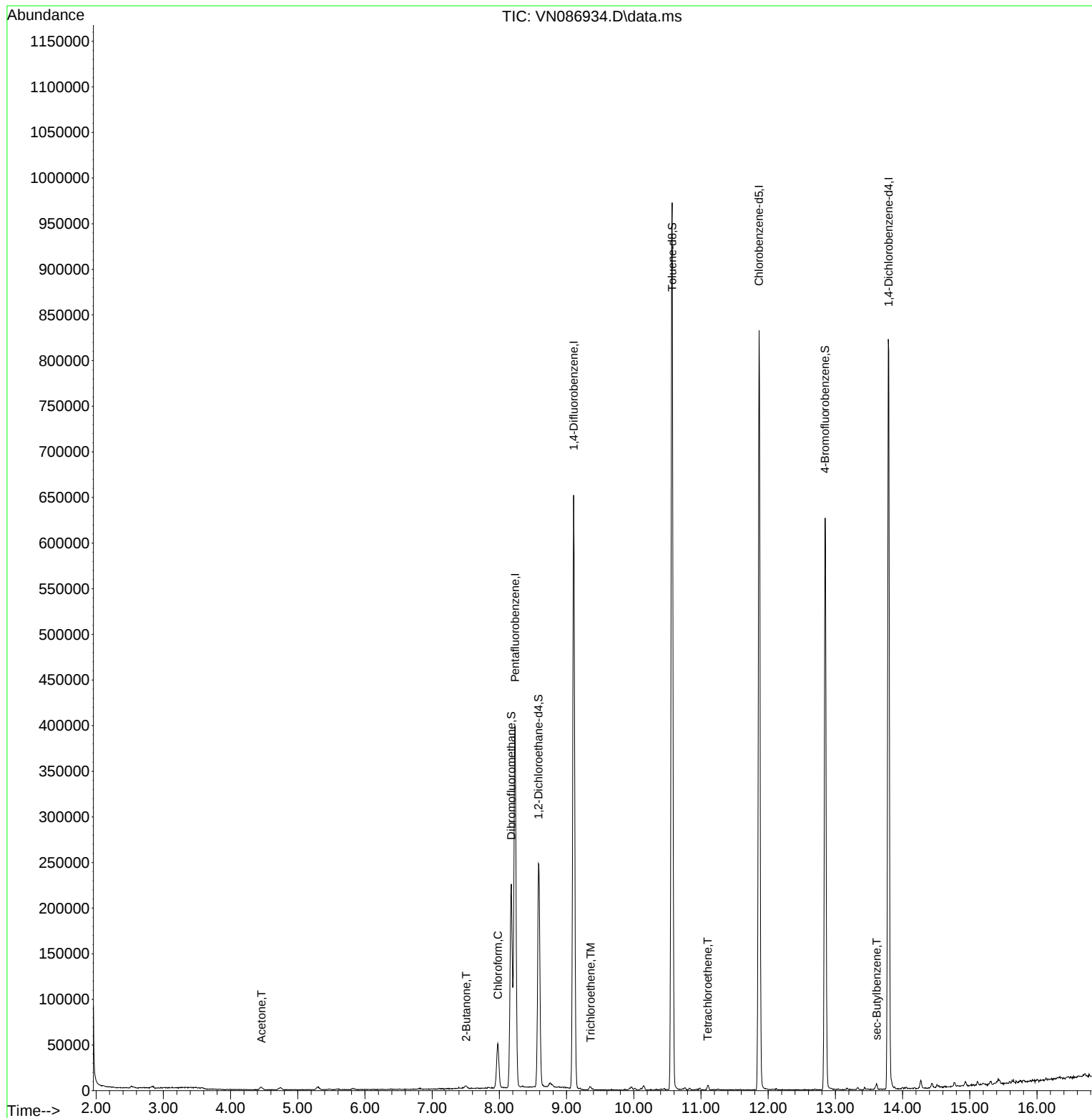
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.235          | 168  | 312249     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106          | 114  | 586192     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 514503     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 245448     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583          | 65   | 205643     | 49.189   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 98.380%  |        |          |
| 35) Dibromofluoromethane    | 8.177          | 113  | 171730     | 49.434   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 98.860%  |        |          |
| 50) Toluene-d8              | 10.571         | 98   | 717348     | 52.162   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 104.320% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 255818     | 50.068   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 100.140% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 16) Acetone                 | 4.459          | 43   | 4767       | 2.150    | ug/l # | 83       |
| 25) 2-Butanone              | 7.506          | 43   | 4592       | 1.274    | ug/l   | 100      |
| 30) Chloroform              | 7.977          | 83   | 49850      | 7.139    | ug/l   | 95       |
| 44) Trichloroethene         | 9.359          | 130  | 1265       | 0.315    | ug/l   | 67       |
| 64) Tetrachloroethene       | 11.100         | 164  | 1275       | 0.392    | ug/l # | 71       |
| 85) sec-Butylbenzene        | 13.617         | 105  | 4740       | 0.242    | ug/l   | 89       |
| -----                       |                |      |            |          |        |          |

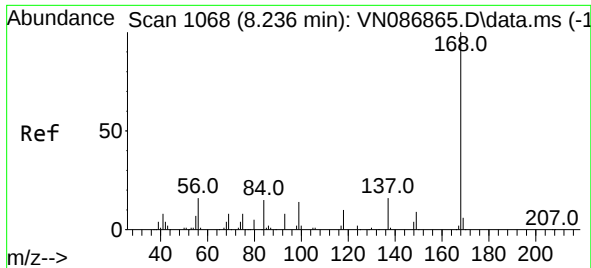
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
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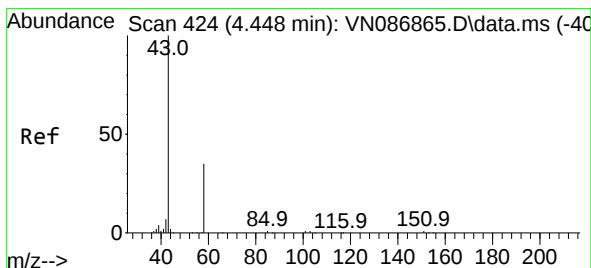
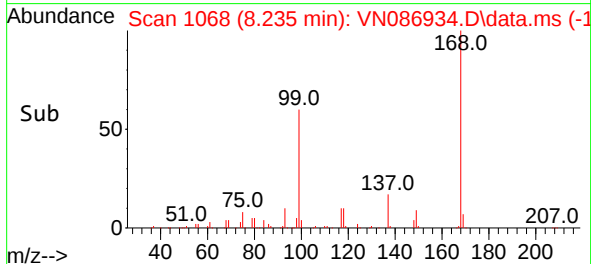
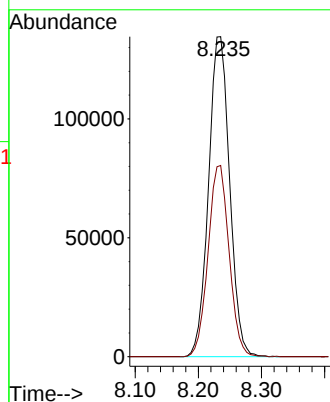
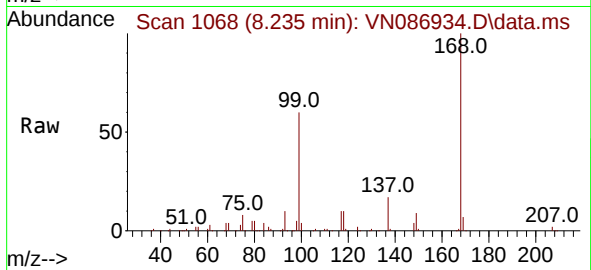




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. -0.001 min  
Lab File: VN086934.D  
Acq: 10 Jun 2025 17:09

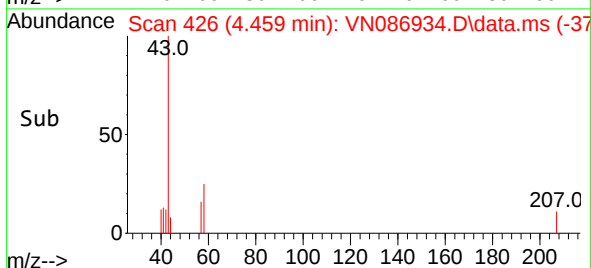
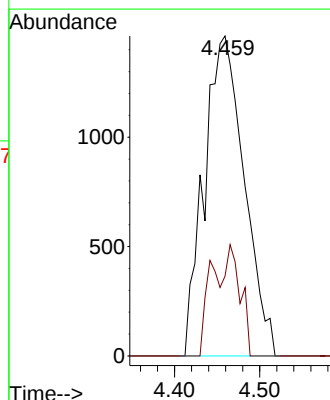
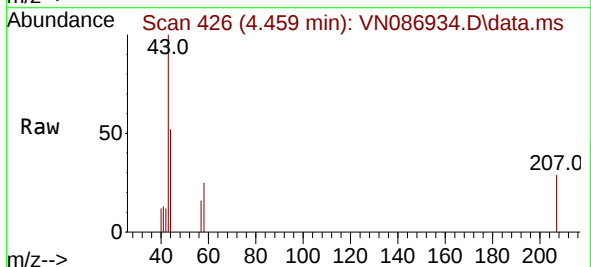
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-9-20250603

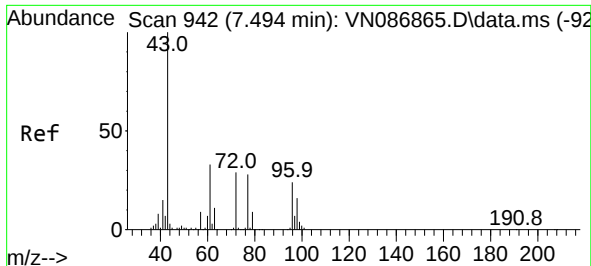
Tgt Ion:168 Resp: 312249  
Ion Ratio Lower Upper  
168 100  
99 59.8 49.1 73.7



#16  
Acetone  
Concen: 2.150 ug/l  
RT: 4.459 min Scan# 426  
Delta R.T. 0.012 min  
Lab File: VN086934.D  
Acq: 10 Jun 2025 17:09

Tgt Ion: 43 Resp: 4767  
Ion Ratio Lower Upper  
43 100  
58 24.9 28.0 42.0#

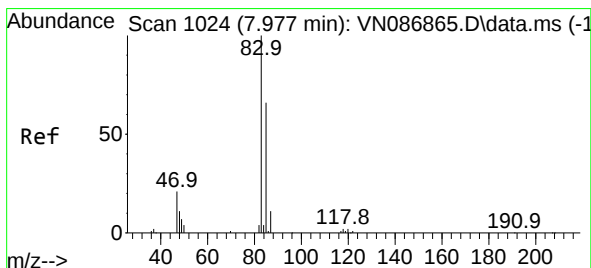
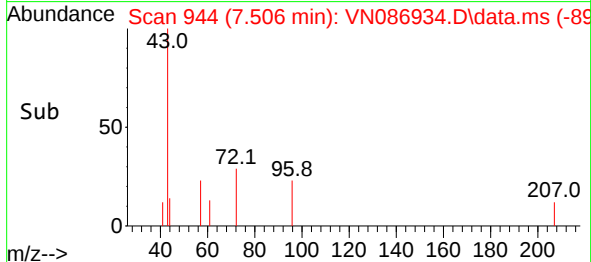
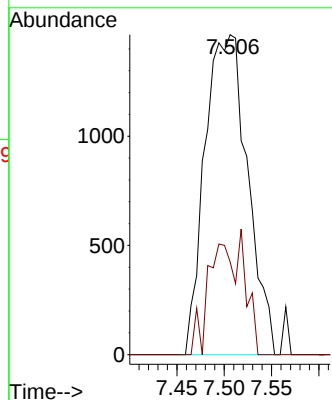
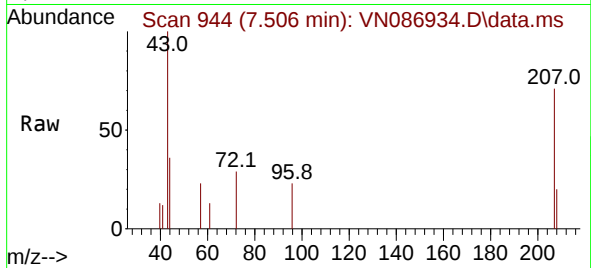




#25  
2-Butanone  
Concen: 1.274 ug/l  
RT: 7.506 min Scan# 944  
Delta R.T. 0.012 min  
Lab File: VN086934.D  
Acq: 10 Jun 2025 17:09

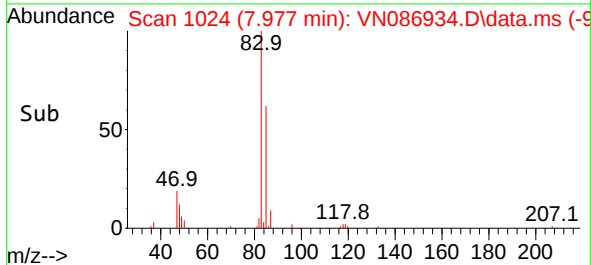
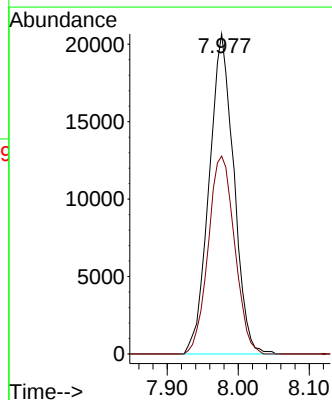
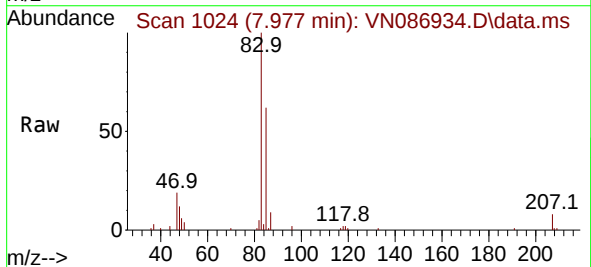
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-9-20250603

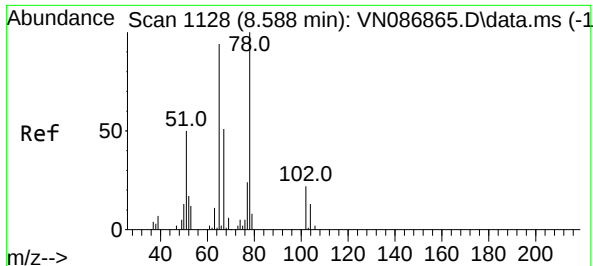
Tgt Ion: 43 Resp: 4592  
Ion Ratio Lower Upper  
43 100  
72 29.0 23.0 34.6



#30  
Chloroform  
Concen: 7.139 ug/l  
RT: 7.977 min Scan# 1024  
Delta R.T. -0.000 min  
Lab File: VN086934.D  
Acq: 10 Jun 2025 17:09

Tgt Ion: 83 Resp: 49850  
Ion Ratio Lower Upper  
83 100  
85 61.9 52.9 79.3





#33

1,2-Dichloroethane-d4

Concen: 49.189 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

Instrument :

MSVOA\_N

ClientSampleId :

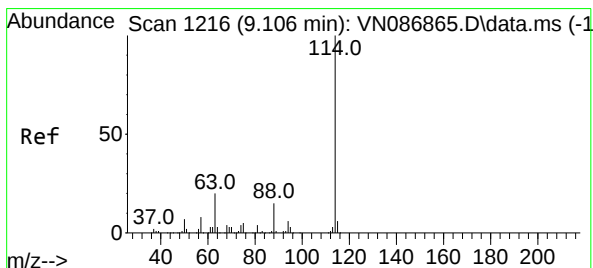
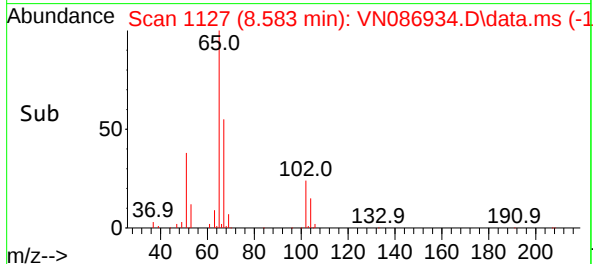
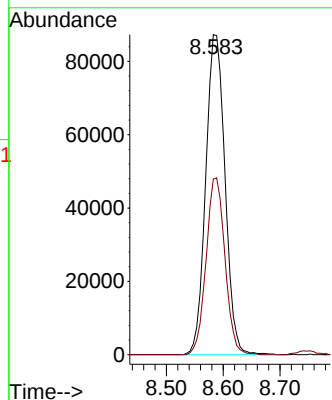
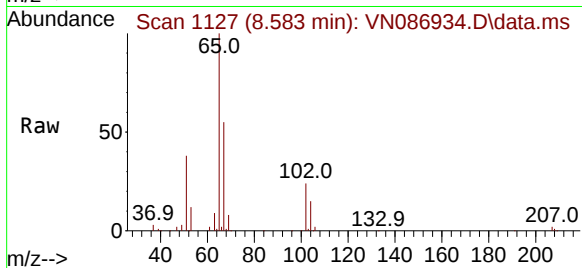
MW-9-20250603

Tgt Ion: 65 Resp: 205643

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

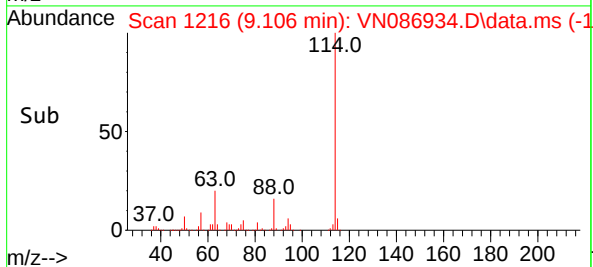
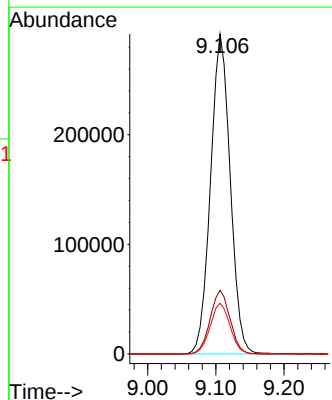
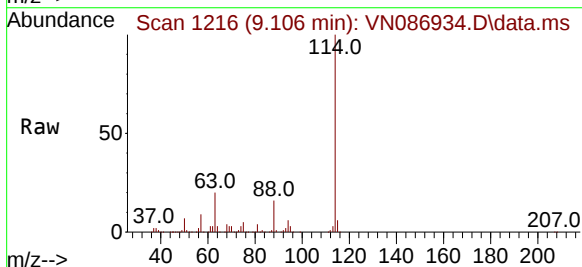
Tgt Ion: 114 Resp: 586192

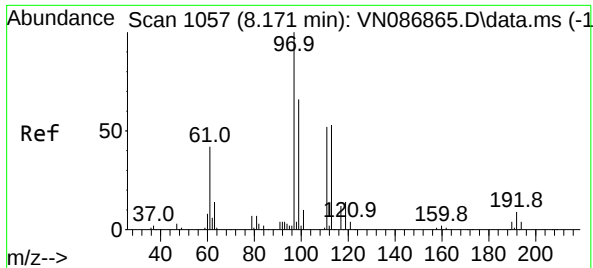
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.9 0.0 30.2

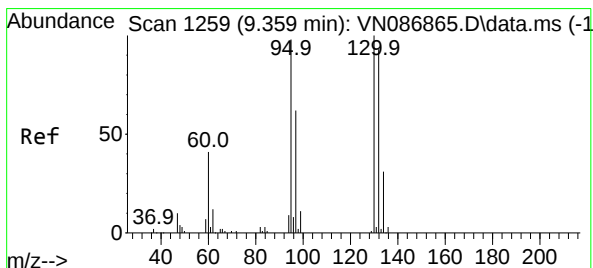
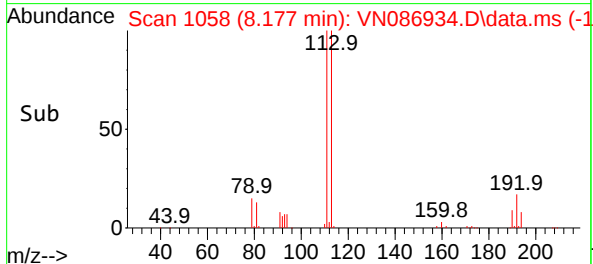
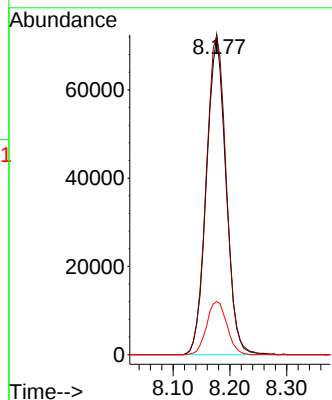
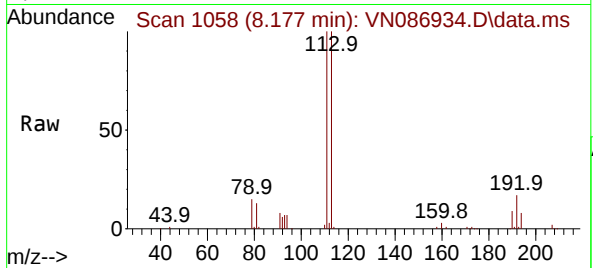




#35  
 Dibromofluoromethane  
 Concen: 49.434 ug/l  
 RT: 8.177 min Scan# 1057  
 Delta R.T. 0.006 min  
 Lab File: VN086934.D  
 Acq: 10 Jun 2025 17:09

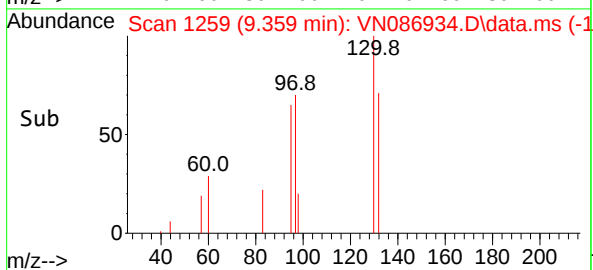
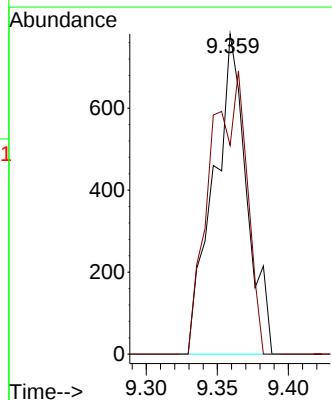
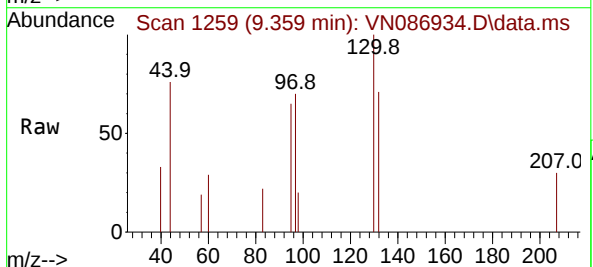
Instrument :  
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 ClientSampleId :  
 MW-9-20250603

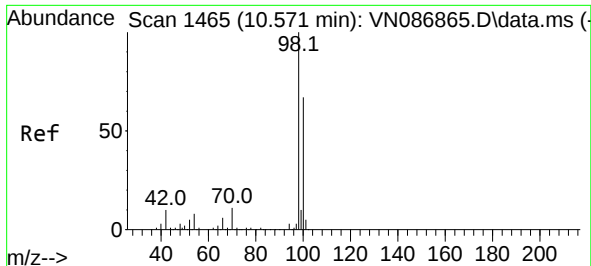
Tgt Ion:113 Resp: 171730  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 84.2 126.2  
 192 17.4 14.2 21.4



#44  
 Trichloroethene  
 Concen: 0.315 ug/l  
 RT: 9.359 min Scan# 1259  
 Delta R.T. -0.000 min  
 Lab File: VN086934.D  
 Acq: 10 Jun 2025 17:09

Tgt Ion:130 Resp: 1265  
 Ion Ratio Lower Upper  
 130 100  
 95 65.2 0.0 196.2

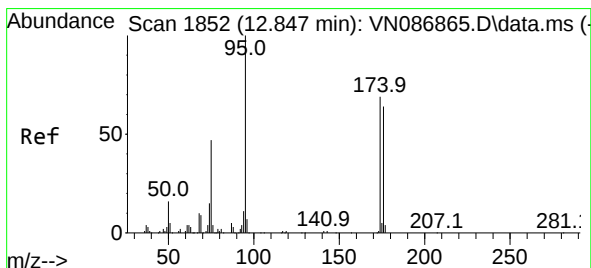
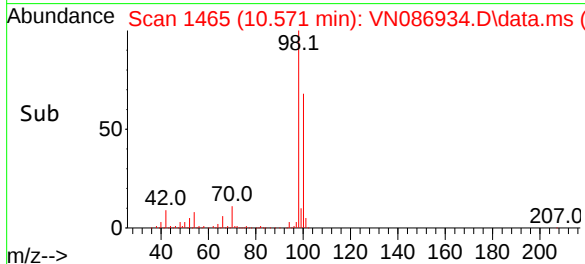
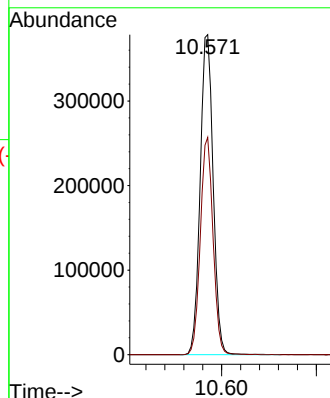
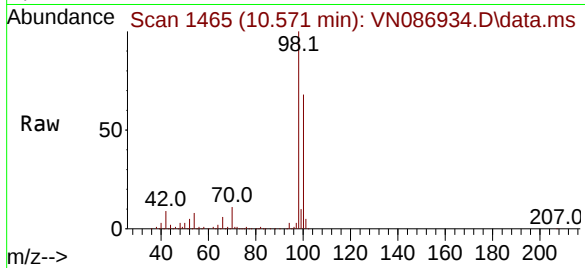




#50  
Toluene-d8  
Concen: 52.162 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN086934.D  
Acq: 10 Jun 2025 17:09

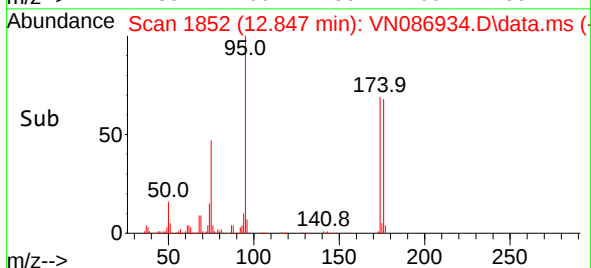
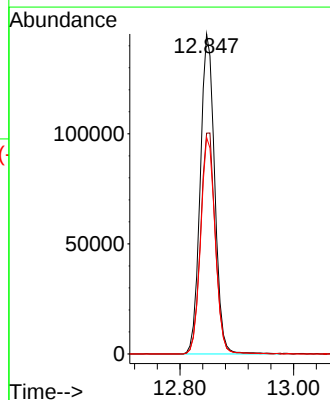
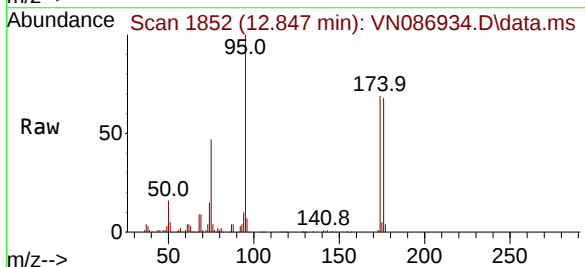
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-9-20250603

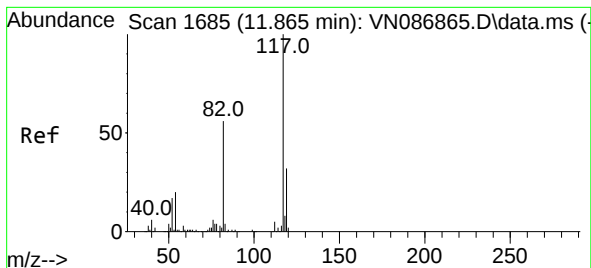
Tgt Ion: 98 Resp: 717348  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.4 80.0



#62  
4-Bromofluorobenzene  
Concen: 50.068 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086934.D  
Acq: 10 Jun 2025 17:09

Tgt Ion: 95 Resp: 255818  
Ion Ratio Lower Upper  
95 100  
174 70.3 0.0 141.8  
176 68.1 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

Instrument :

MSVOA\_N

ClientSampleId :

MW-9-20250603

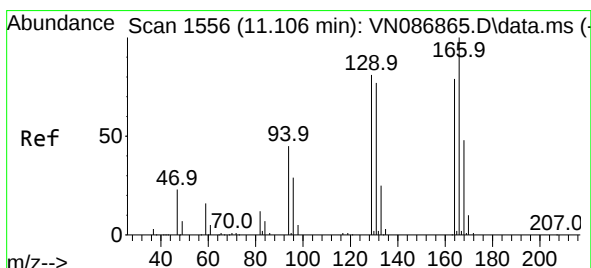
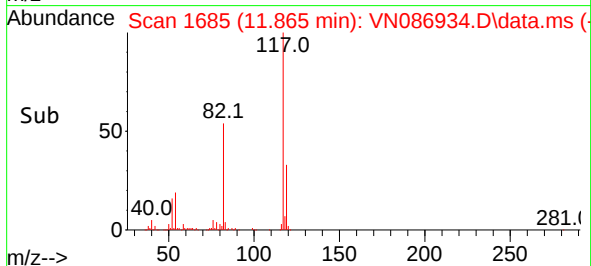
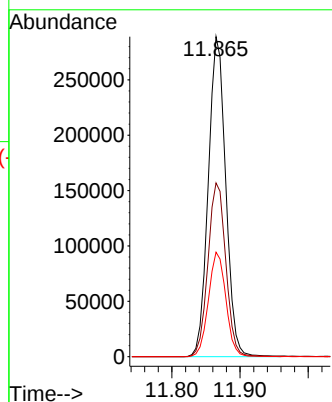
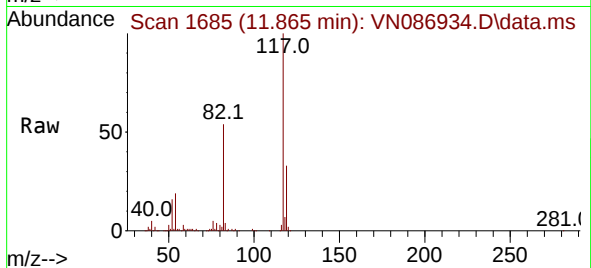
Tgt Ion:117 Resp: 514503

Ion Ratio Lower Upper

117 100

82 54.3 44.6 67.0

119 32.6 25.5 38.3



#64

Tetrachloroethene

Concen: 0.392 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.006 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

Tgt Ion:164 Resp: 1275

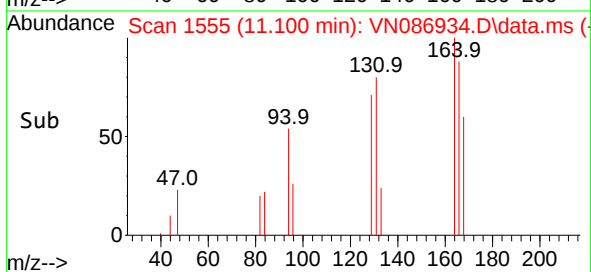
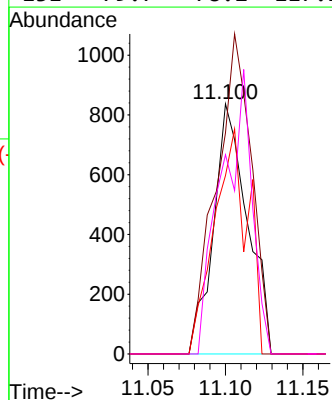
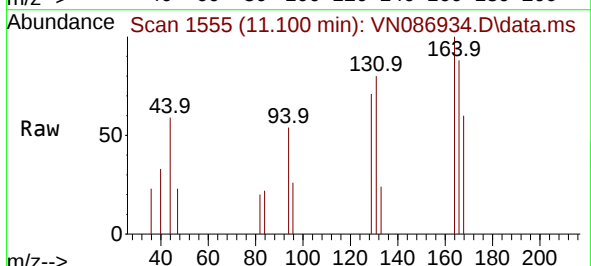
Ion Ratio Lower Upper

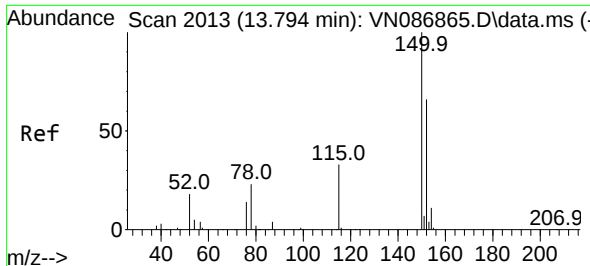
164 100

166 88.4 101.8 152.8#

129 71.3 83.0 124.4#

131 79.7 78.2 117.2

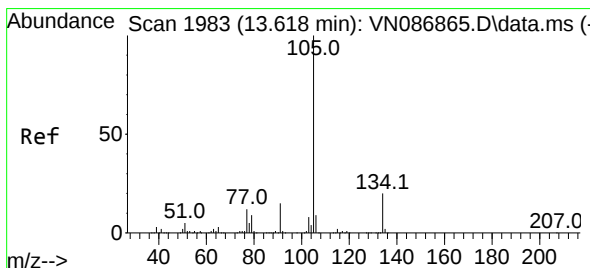
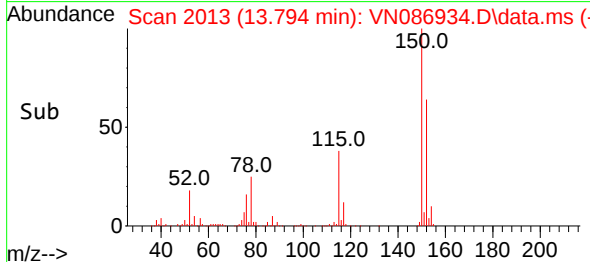
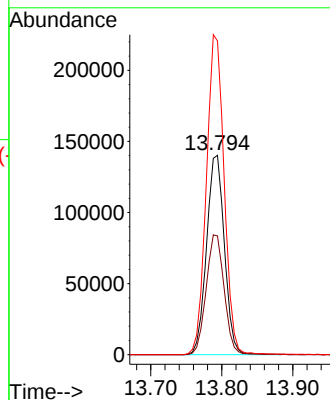
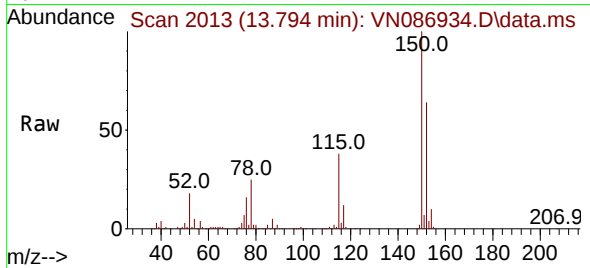




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 2013  
 Delta R.T. -0.000 min  
 Lab File: VN086934.D  
 Acq: 10 Jun 2025 17:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-9-20250603

Tgt Ion:152 Resp: 245448  
 Ion Ratio Lower Upper  
 152 100  
 115 60.6 30.1 90.5  
 150 159.8 0.0 345.0



#85  
 sec-Butylbenzene  
 Concen: 0.242 ug/l  
 RT: 13.617 min Scan# 1983  
 Delta R.T. -0.000 min  
 Lab File: VN086934.D  
 Acq: 10 Jun 2025 17:09

Tgt Ion:105 Resp: 4740  
 Ion Ratio Lower Upper  
 105 100  
 134 25.0 10.0 30.0

