

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070325\  
 Data File : VN087262.D  
 Acq On : 03 Jul 2025 11:44  
 Operator : JC\MD  
 Sample : VN0703WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0703WBL01

Quant Time: Jul 04 01:27:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N063025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:15:00 2025  
 Response via : Initial Calibration

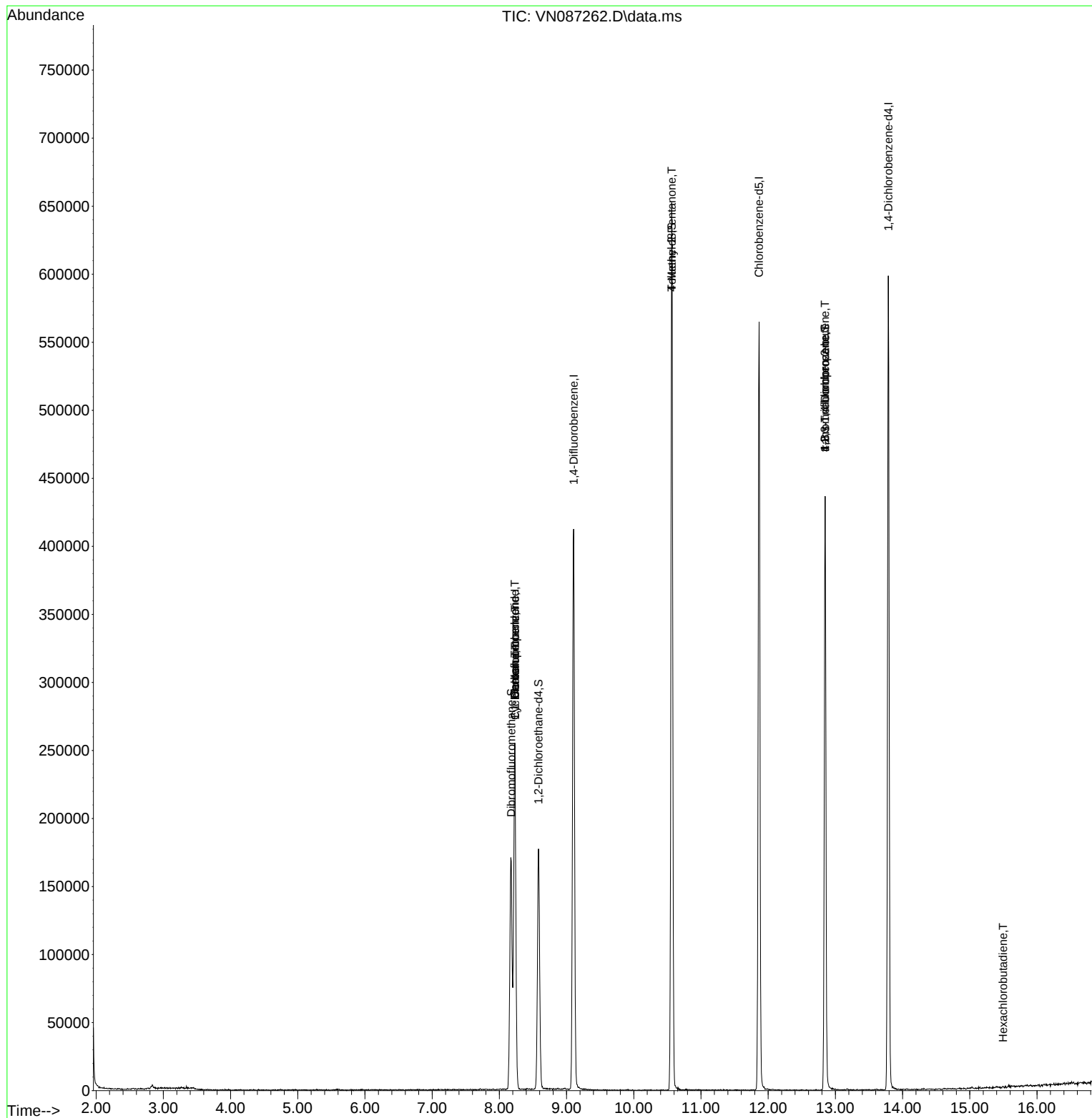
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 197279   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 379432   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 350668   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788 | 152   | 171520   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.582  | 65    | 145307   | 58.687   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 117.380% |          |
| 35) Dibromofluoromethane      | 8.177  | 113   | 127458   | 52.462   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 104.920% |          |
| 50) Toluene-d8                | 10.565 | 98    | 460922   | 48.673   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 97.340%  |          |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 153752   | 45.631   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 91.260%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 31) Cyclohexane               | 8.235  | 56    | 4129     | 1.225    | ug/l #     | 37       |
| 36) 1,1-Dichloropropene       | 8.235  | 75    | 14191    | 4.295    | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 19984    | 5.338    | ug/l #     | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.565 | 43    | 1924     | 0.571    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 76523    | 23.456   | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 76523    | 55.095   | ug/l #     | 14       |
| 94) Hexachlorobutadiene       | 15.494 | 225   | 255      | 0.253    | ug/l #     | 49       |
| -----                         |        |       |          |          |            |          |

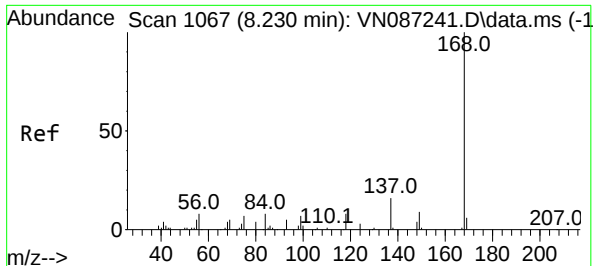
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N063025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 01 03:15:00 2025  
Response via : Initial Calibration

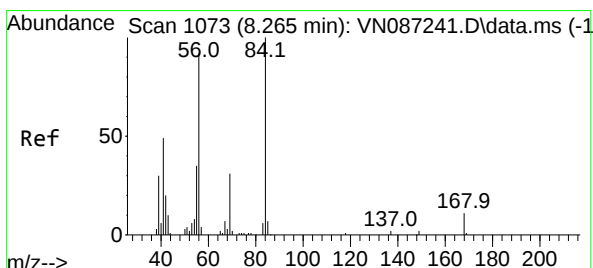
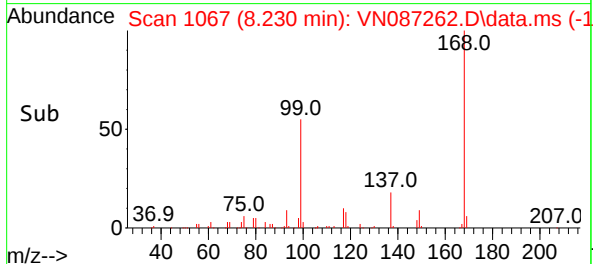
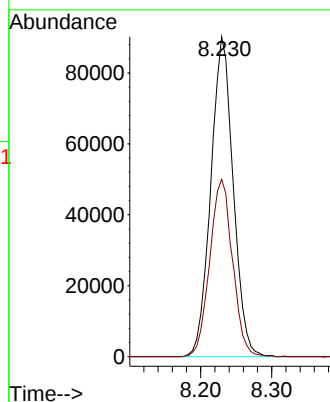
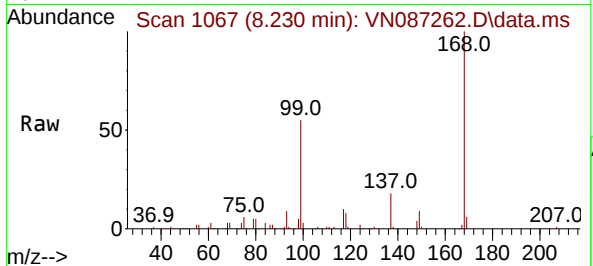




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN087262.D  
Acq: 03 Jul 2025 11:44

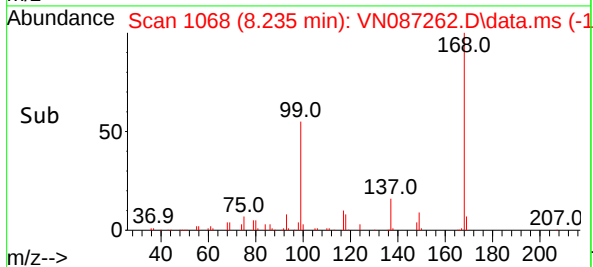
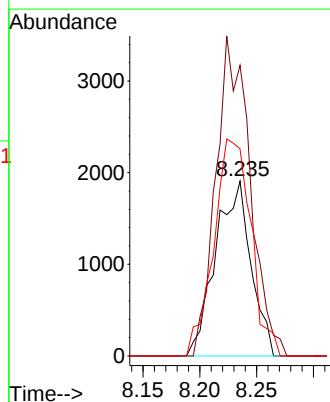
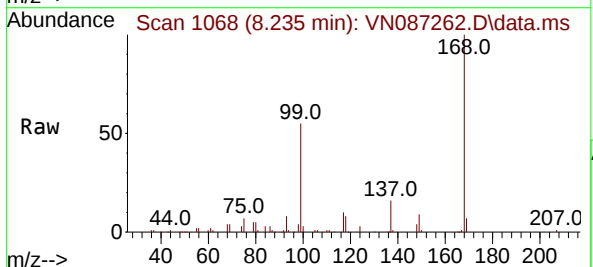
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0703WBL01

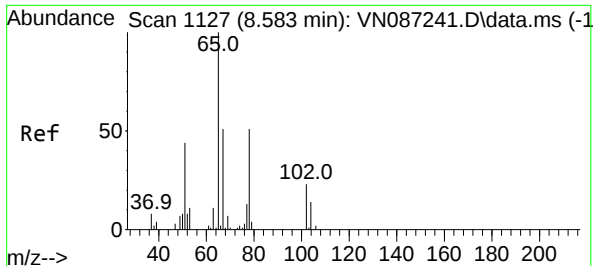
Tgt Ion:168 Resp: 197279  
Ion Ratio Lower Upper  
168 100  
99 55.4 42.6 64.0



#31  
Cyclohexane  
Concen: 1.225 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. -0.030 min  
Lab File: VN087262.D  
Acq: 03 Jul 2025 11:44

Tgt Ion: 56 Resp: 4129  
Ion Ratio Lower Upper  
56 100  
69 166.2 27.0 40.6#  
84 118.5 86.2 129.4

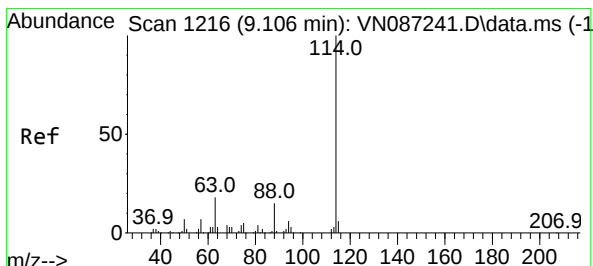
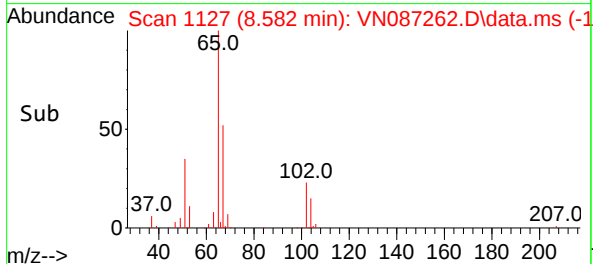
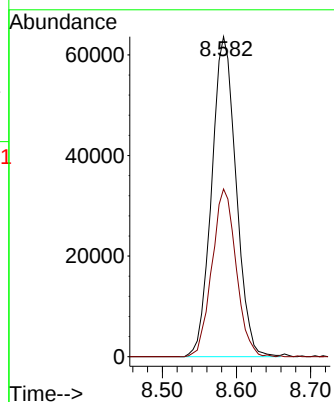
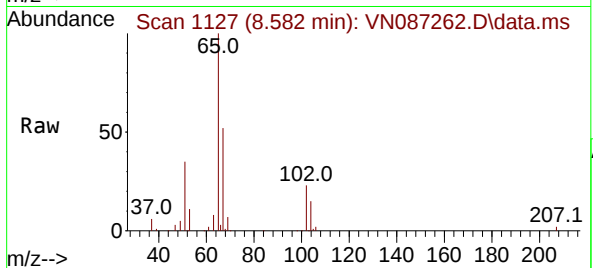




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.687 ug/l  
 RT: 8.582 min Scan# 1127  
 Delta R.T. -0.000 min  
 Lab File: VN087262.D  
 Acq: 03 Jul 2025 11:44

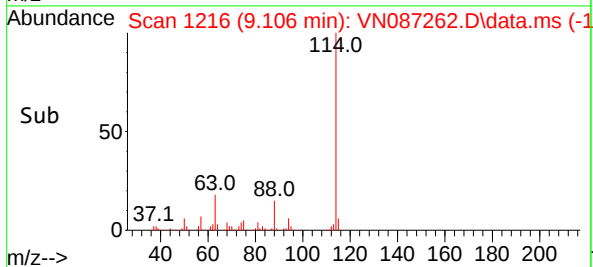
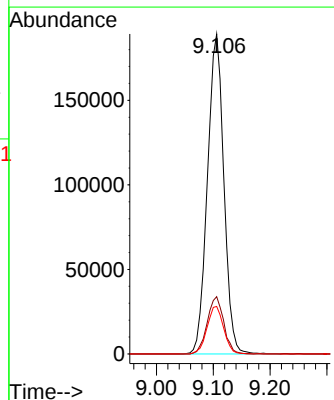
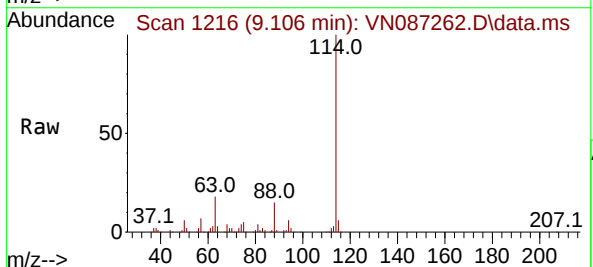
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0703WBL01

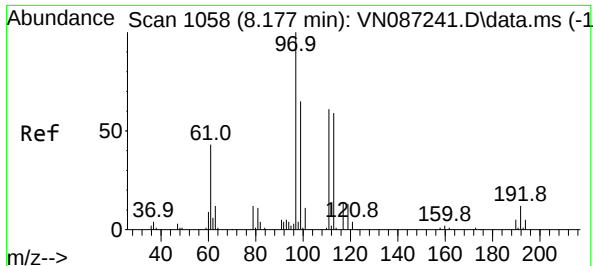
Tgt Ion: 65 Resp: 145307  
 Ion Ratio Lower Upper  
 65 100  
 67 51.8 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.106 min Scan# 1216  
 Delta R.T. -0.000 min  
 Lab File: VN087262.D  
 Acq: 03 Jul 2025 11:44

Tgt Ion: 114 Resp: 379432  
 Ion Ratio Lower Upper  
 114 100  
 63 17.9 0.0 36.6  
 88 14.9 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.462 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN087262.D

Acq: 03 Jul 2025 11:44

Instrument :

MSVOA\_N

ClientSampleId :

VN0703WBL01

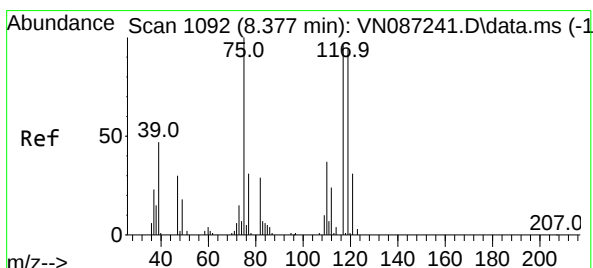
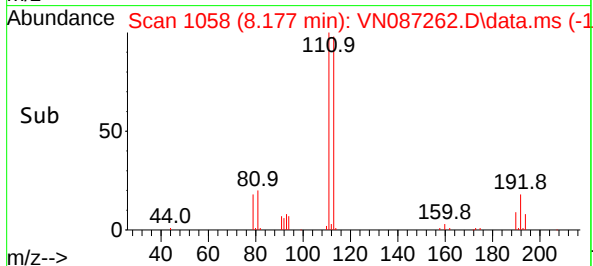
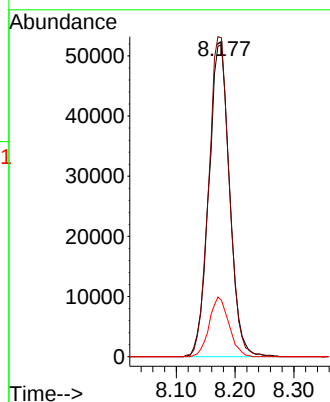
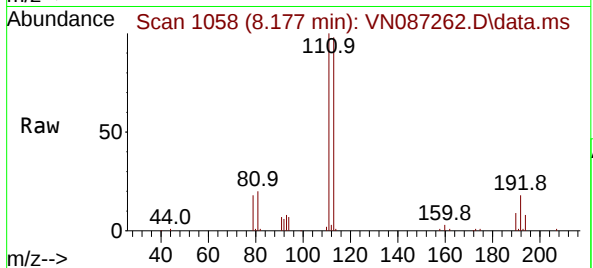
Tgt Ion:113 Resp: 127458

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.2

192 18.1 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.295 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN087262.D

Acq: 03 Jul 2025 11:44

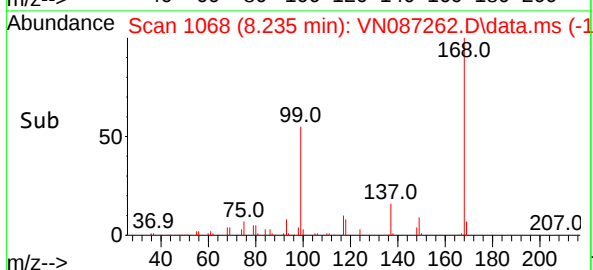
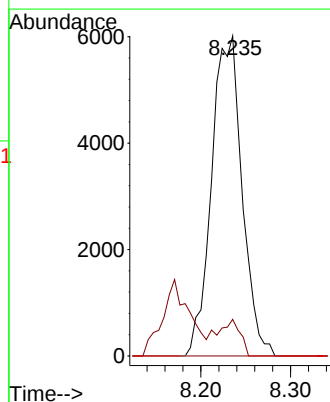
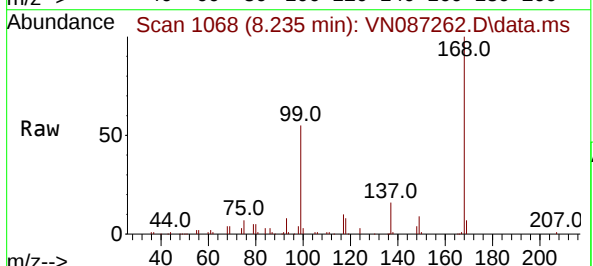
Tgt Ion: 75 Resp: 14191

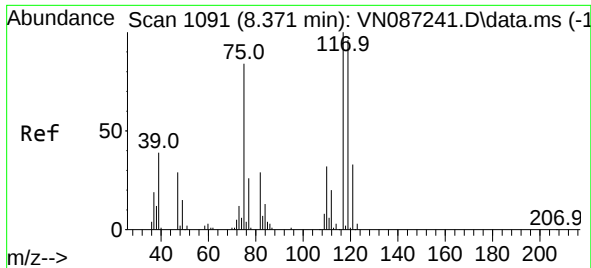
Ion Ratio Lower Upper

75 100

110 8.7 18.7 56.1#

77 0.0 24.5 36.7#

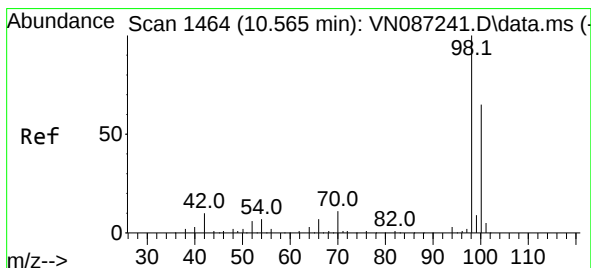
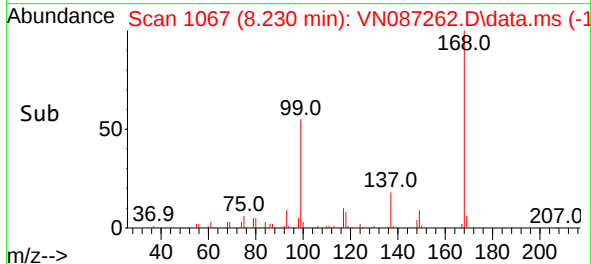
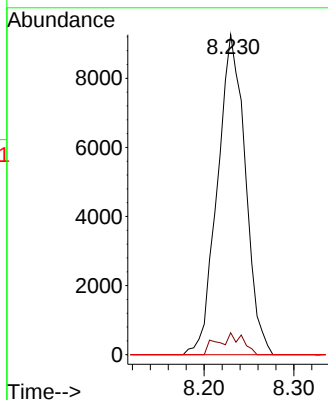
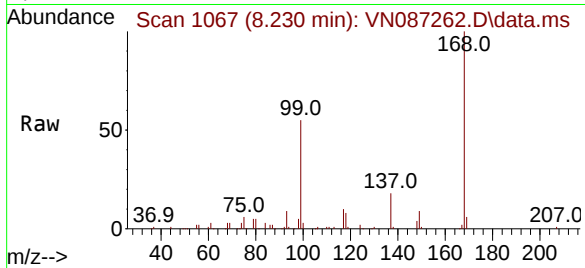




#38  
Carbon Tetrachloride  
Concen: 5.338 ug/l  
RT: 8.230 min Scan# 1091  
Delta R.T. -0.141 min  
Lab File: VN087262.D  
Acq: 03 Jul 2025 11:44

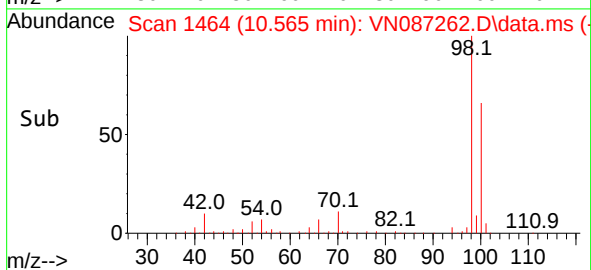
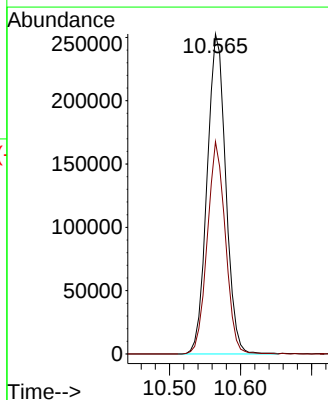
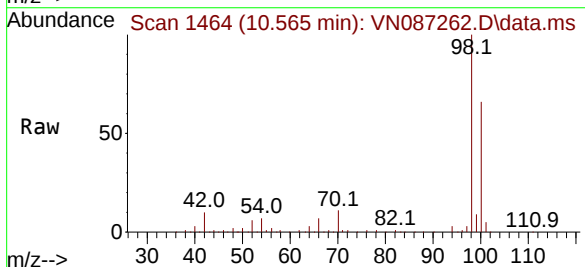
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0703WBL01

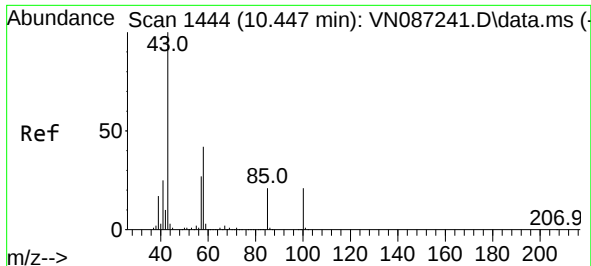
Tgt Ion:117 Resp: 19984  
Ion Ratio Lower Upper  
117 100  
119 6.9 77.2 115.8#  
121 0.0 26.6 39.8#



#50  
Toluene-d8  
Concen: 48.673 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN087262.D  
Acq: 03 Jul 2025 11:44

Tgt Ion: 98 Resp: 460922  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.1 78.1

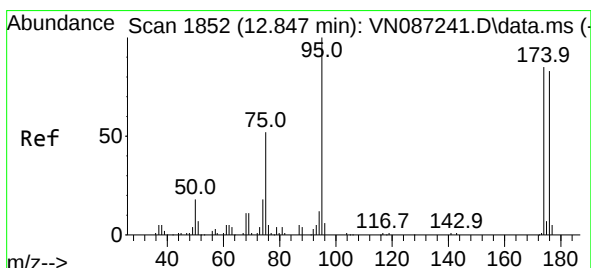
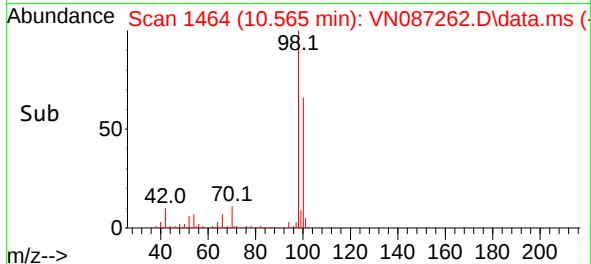
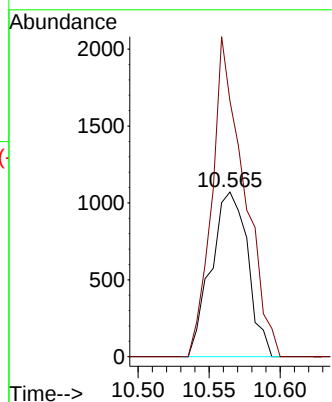
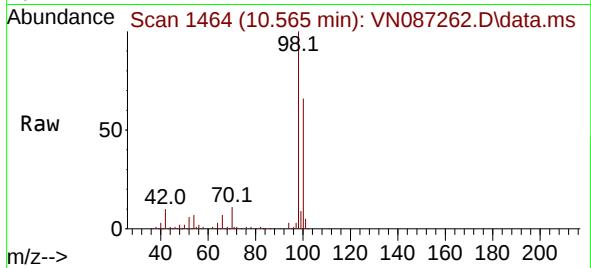




#51  
4-Methyl-2-Pentanone  
Concen: 0.571 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.117 min  
Lab File: VN087262.D  
Acq: 03 Jul 2025 11:44

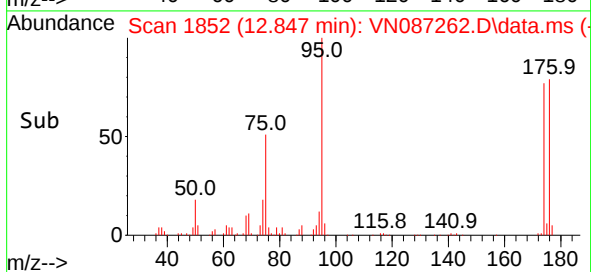
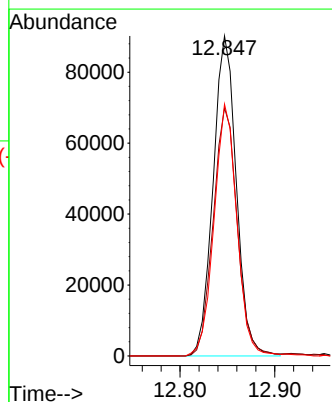
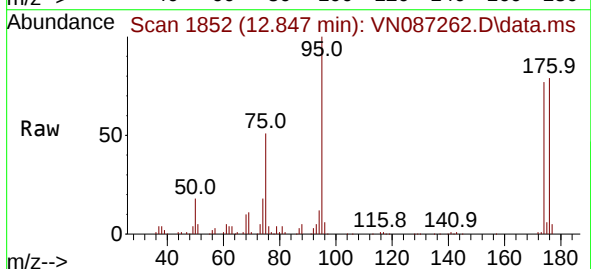
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0703WBL01

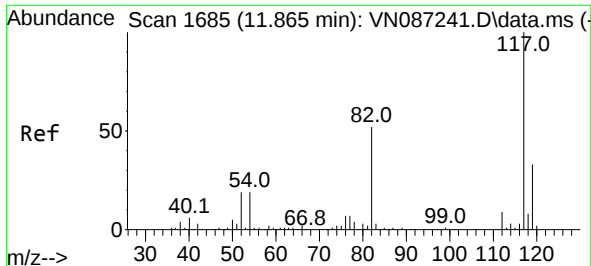
Tgt Ion: 43 Resp: 1924  
Ion Ratio Lower Upper  
43 100  
58 170.3 34.2 51.2#



#62  
4-Bromofluorobenzene  
Concen: 45.631 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN087262.D  
Acq: 03 Jul 2025 11:44

Tgt Ion: 95 Resp: 153752  
Ion Ratio Lower Upper  
95 100  
174 80.2 0.0 169.6  
176 77.7 0.0 161.6

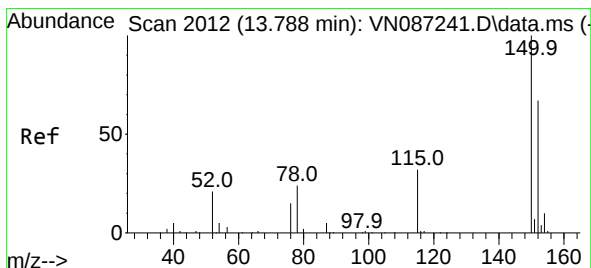
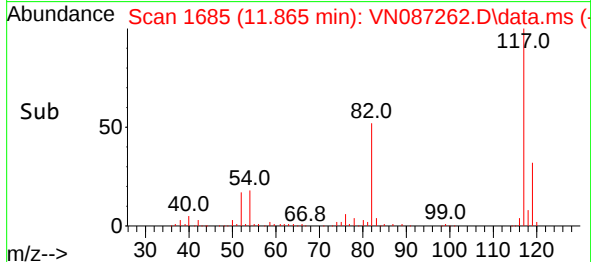
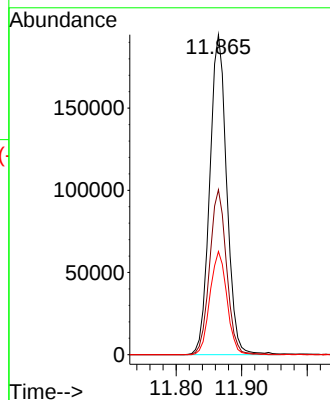
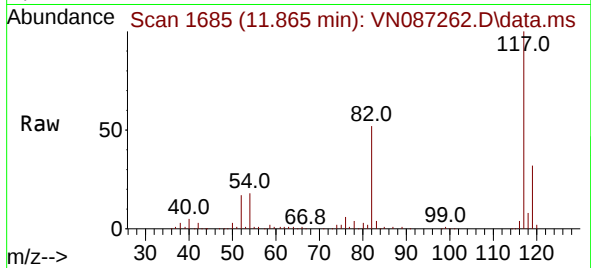




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN087262.D  
Acq: 03 Jul 2025 11:44

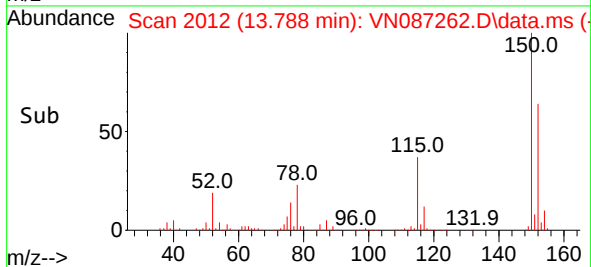
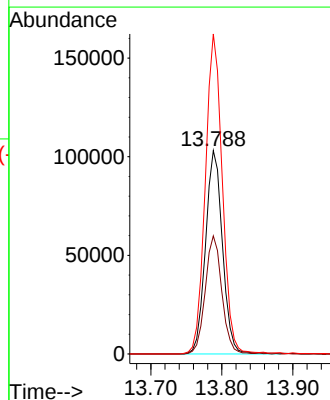
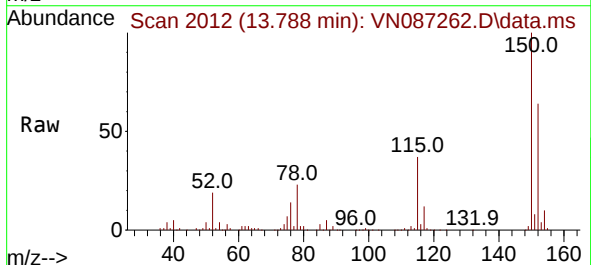
Instrument :  
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ClientSampleId :  
VN0703WBL01

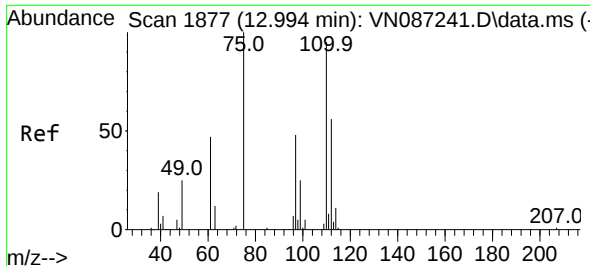
Tgt Ion:117 Resp: 350668  
Ion Ratio Lower Upper  
117 100  
82 51.5 41.9 62.9  
119 32.2 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN087262.D  
Acq: 03 Jul 2025 11:44

Tgt Ion:152 Resp: 171520  
Ion Ratio Lower Upper  
152 100  
115 56.8 28.3 84.9  
150 157.5 0.0 344.6

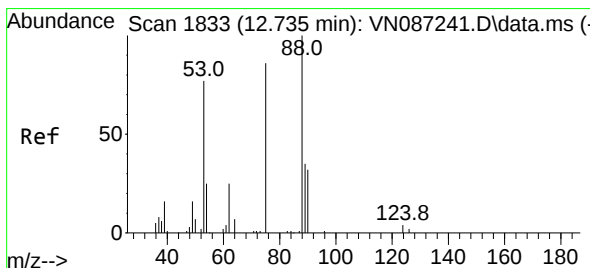
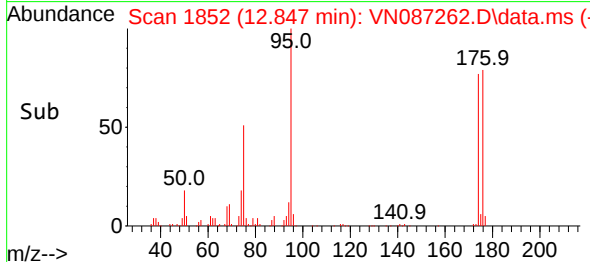
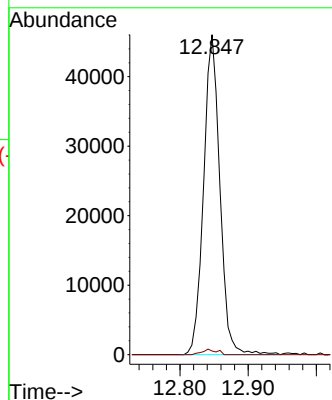
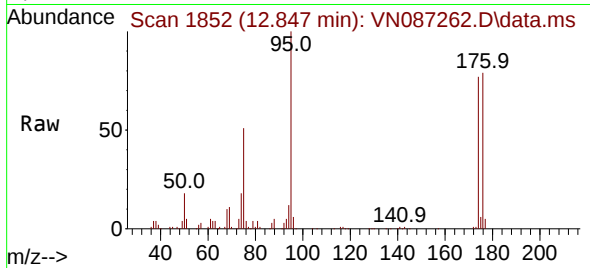




#76  
1,2,3-Trichloropropane  
Concen: 23.456 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN087262.D  
Acq: 03 Jul 2025 11:44

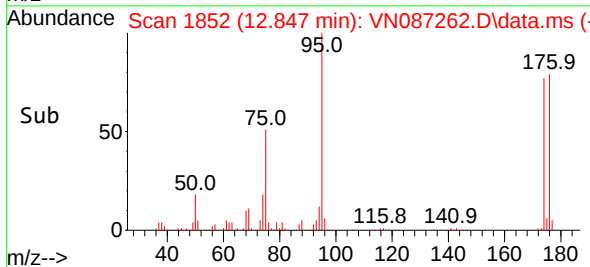
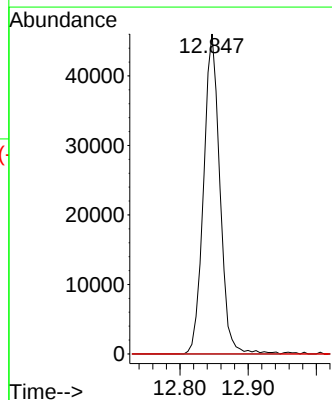
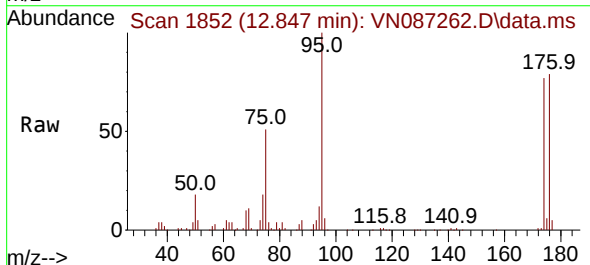
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0703WBL01

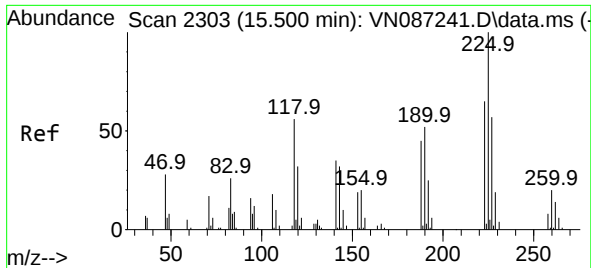
Tgt Ion: 75 Resp: 76523  
Ion Ratio Lower Upper  
75 100  
77 1.5 82.0 245.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.095 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN087262.D  
Acq: 03 Jul 2025 11:44

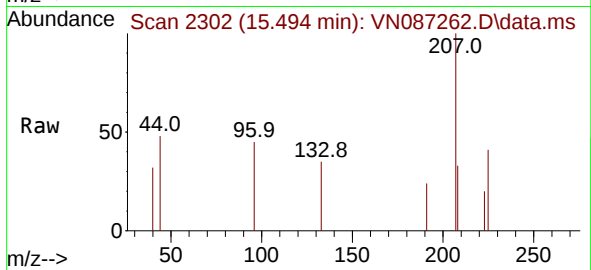
Tgt Ion: 75 Resp: 76523  
Ion Ratio Lower Upper  
75 100  
53 0.0 70.6 105.8#  
89 0.0 36.1 54.1#





#94  
 Hexachlorobutadiene  
 Concen: 0.253 ug/l  
 RT: 15.494 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VN087262.D  
 Acq: 03 Jul 2025 11:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0703WBL01



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 255   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 47.5  | 33.5  | 100.4 |
| 227      | 0.0   | 30.9  | 92.7# |

