

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110625\  
 Data File : VN088199.D  
 Acq On : 06 Nov 2025 12:09  
 Operator : JC\MD  
 Sample : VN1106WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1106WBL01

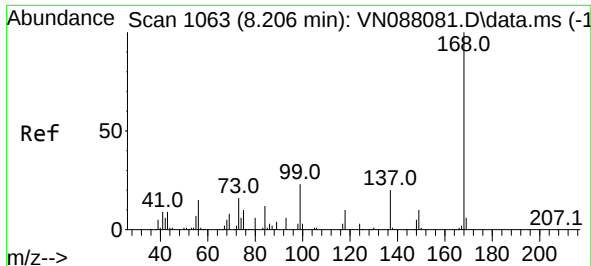
Quant Time: Nov 07 02:16:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 03 01:16:06 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 8.206  | 168   | 338872   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.082  | 114   | 766389   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.841 | 117   | 734647   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.770 | 152   | 362059   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.559  | 65    | 344380   | 58.770   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 117.540% |          |
| 35) Dibromofluoromethane      | 8.147  | 113   | 258625   | 50.232   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 100.460% |          |
| 50) Toluene-d8                | 10.547 | 98    | 985117   | 49.657   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 99.320%  |          |
| 62) 4-Bromofluorobenzene      | 12.829 | 95    | 393012   | 56.094   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 112.180% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 16) Acetone                   | 4.430  | 43    | 2004     | 0.681    | ug/l #     | 47       |
| 20) Methylene Chloride        | 5.277  | 84    | 1530     | 0.310    | ug/l #     | 65       |
| 31) Cyclohexane               | 8.200  | 56    | 10246    | 1.249    | ug/l #     | 53       |
| 36) 1,1-Dichloropropene       | 8.206  | 75    | 32129    | 4.274    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 8.206  | 117   | 39582    | 5.098    | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.829 | 75    | 221535   | 26.763   | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.829 | 75    | 221535   | 74.655   | ug/l #     | 1        |
| 94) Hexachlorobutadiene       | 15.470 | 225   | 709      | 0.271    | ug/l       | 82       |
| -----                         |        |       |          |          |            |          |

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

Quant Time: Nov 07 02:16:22 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 03 01:16:06 2025  
Response via : Initial Calibration

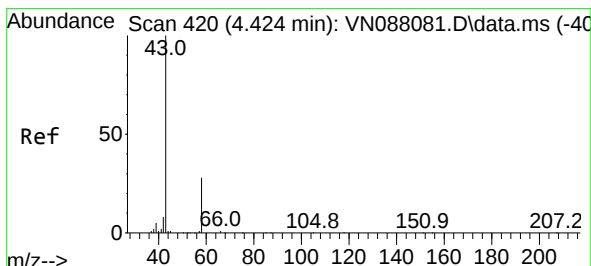
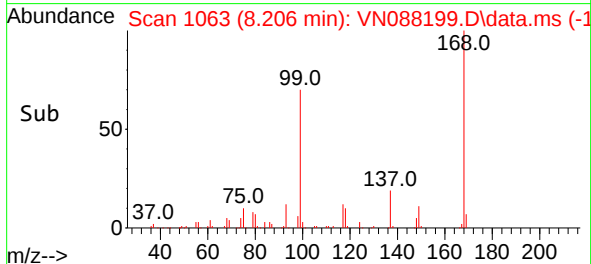
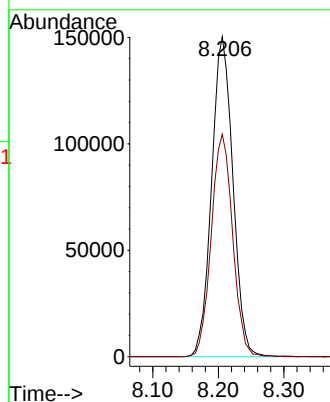
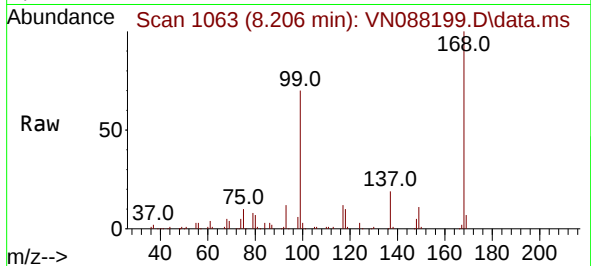




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088199.D  
Acq: 06 Nov 2025 12:09

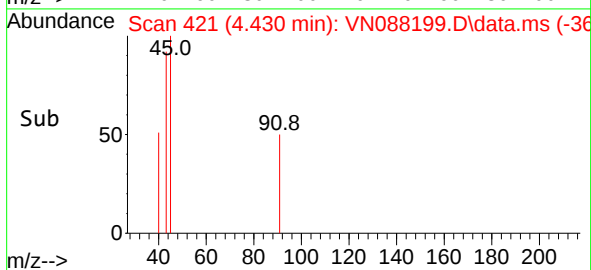
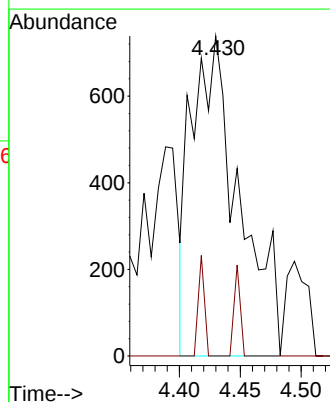
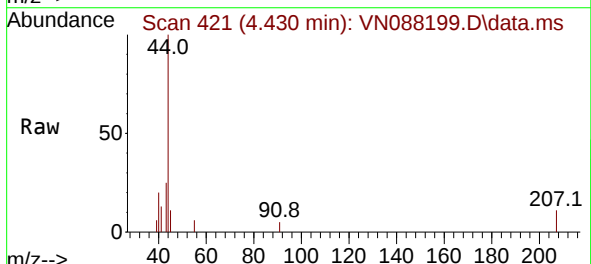
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1106WBL01

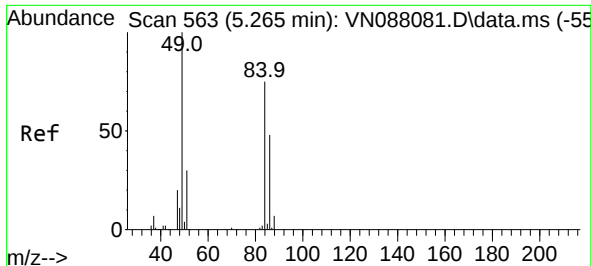
Tgt Ion:168 Resp: 338872  
Ion Ratio Lower Upper  
168 100  
99 69.5 57.2 85.8



#16  
Acetone  
Concen: 0.681 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN088199.D  
Acq: 06 Nov 2025 12:09

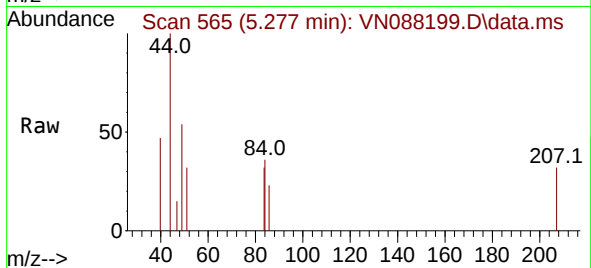
Tgt Ion: 43 Resp: 2004  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.6 33.8#



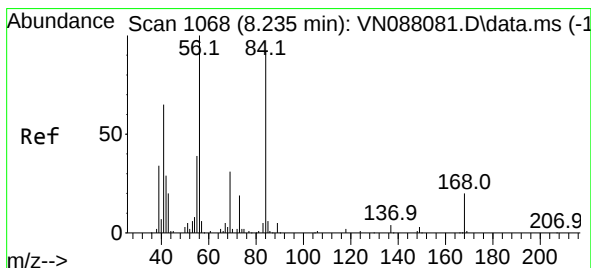
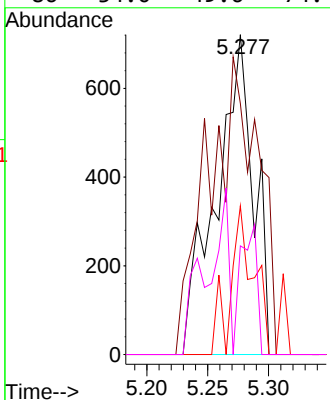
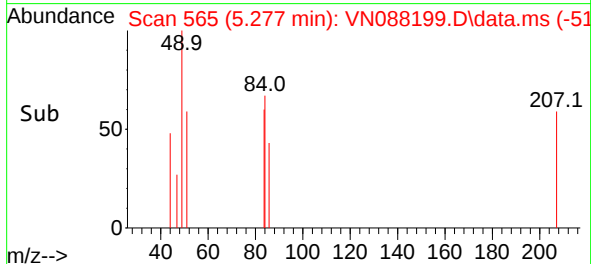


#20  
Methylene Chloride  
Concen: 0.310 ug/l  
RT: 5.277 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN088199.D  
Acq: 06 Nov 2025 12:09

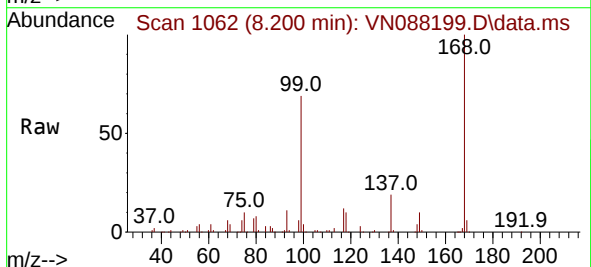
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1106WBL01



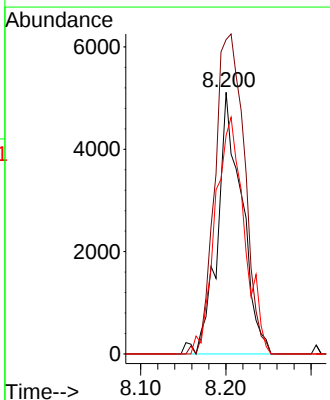
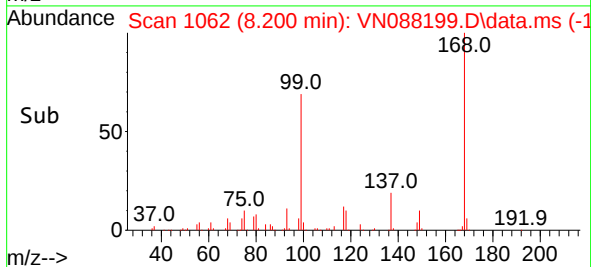
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1530   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 78.5  | 103.4 | 155.2# |
| 51       | 46.5  | 33.8  | 50.8   |
| 86       | 34.0  | 49.6  | 74.4#  |

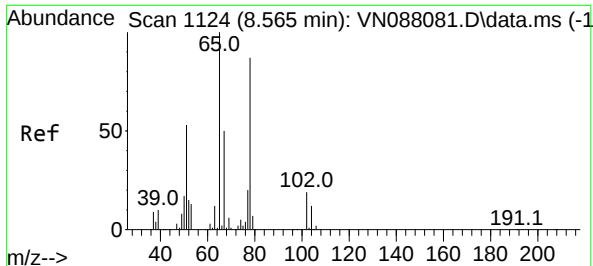


#31  
Cyclohexane  
Concen: 1.249 ug/l  
RT: 8.200 min Scan# 1062  
Delta R.T. -0.035 min  
Lab File: VN088199.D  
Acq: 06 Nov 2025 12:09



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 10246 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 120.2 | 23.7  | 35.5# |
| 84       | 83.6  | 64.7  | 97.1  |





#33

1,2-Dichloroethane-d4

Concen: 58.770 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088199.D

Acq: 06 Nov 2025 12:09

Instrument :

MSVOA\_N

ClientSampleId :

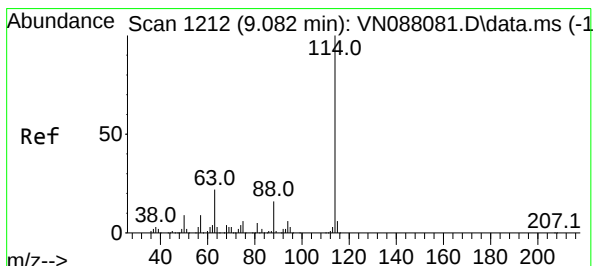
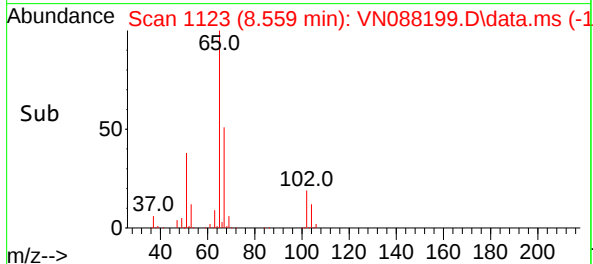
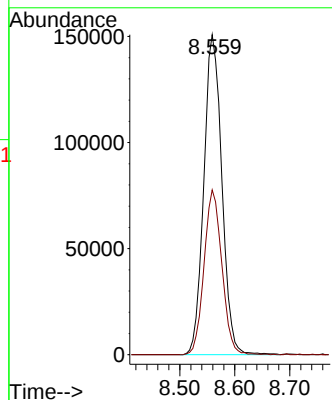
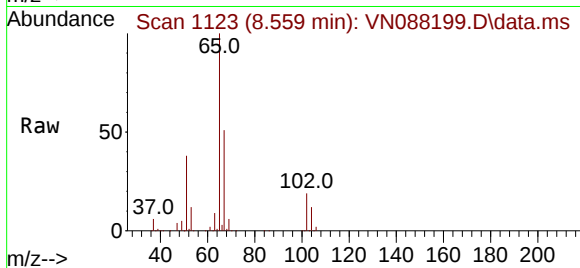
VN1106WBL01

Tgt Ion: 65 Resp: 344380

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088199.D

Acq: 06 Nov 2025 12:09

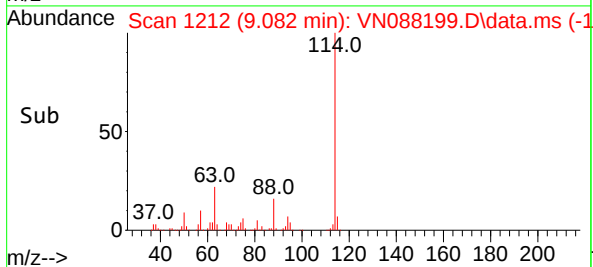
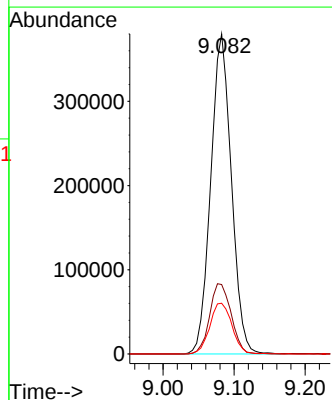
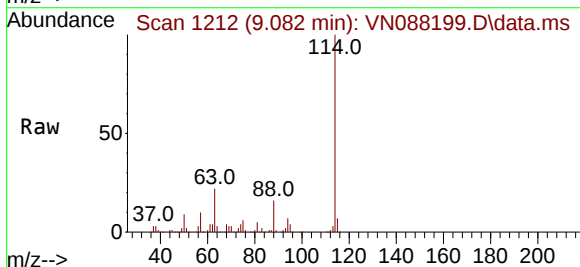
Tgt Ion: 114 Resp: 766389

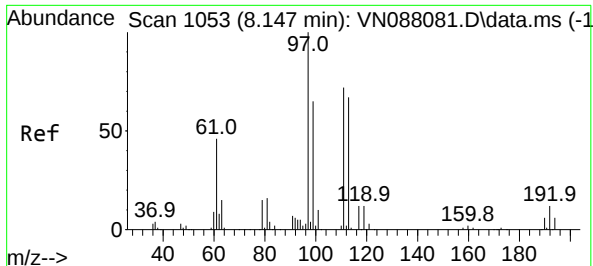
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.2

88 15.9 0.0 33.4

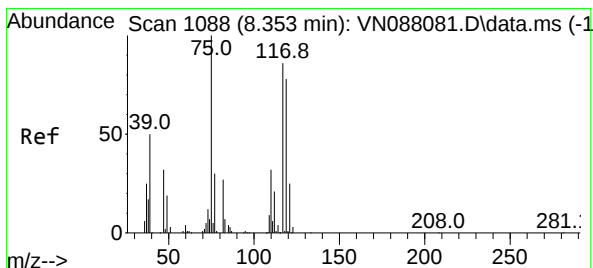
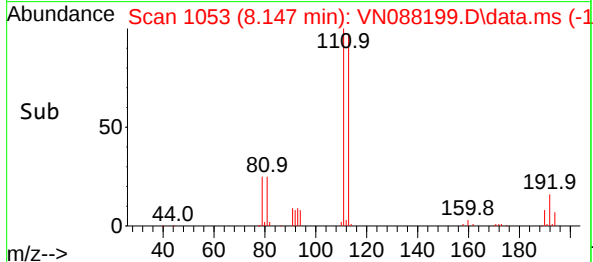
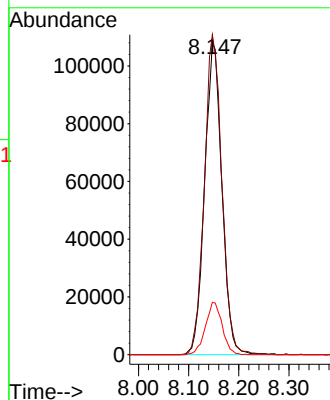
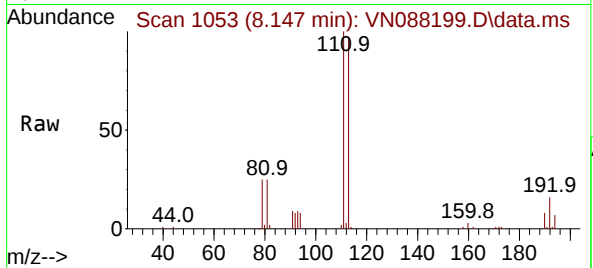




#35  
Dibromofluoromethane  
Concen: 50.232 ug/l  
RT: 8.147 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: VN088199.D  
Acq: 06 Nov 2025 12:09

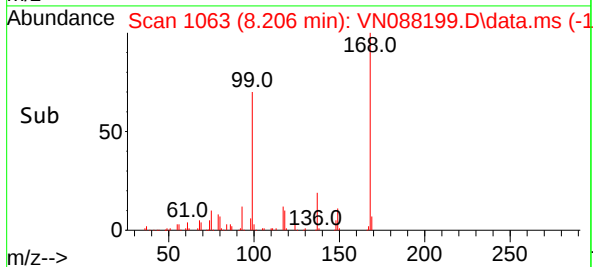
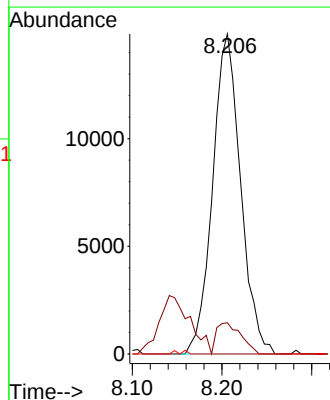
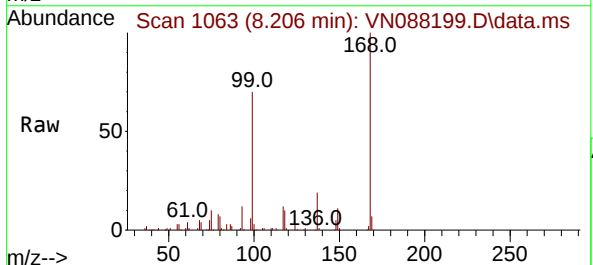
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1106WBL01

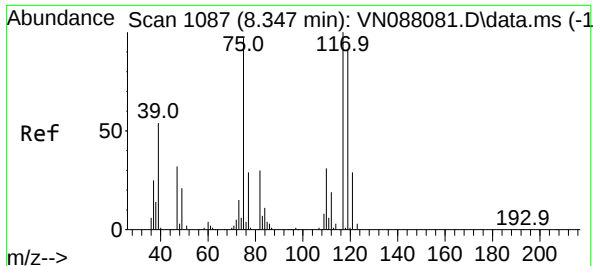
Tgt Ion:113 Resp: 258625  
Ion Ratio Lower Upper  
113 100  
111 104.0 82.8 124.2  
192 16.3 12.8 19.2



#36  
1,1-Dichloropropene  
Concen: 4.274 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. -0.147 min  
Lab File: VN088199.D  
Acq: 06 Nov 2025 12:09

Tgt Ion: 75 Resp: 32129  
Ion Ratio Lower Upper  
75 100  
110 8.5 15.9 47.6#  
77 0.0 24.4 36.6#

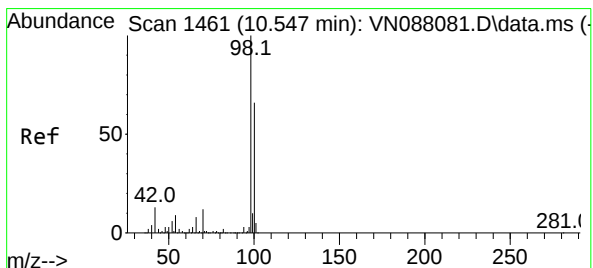
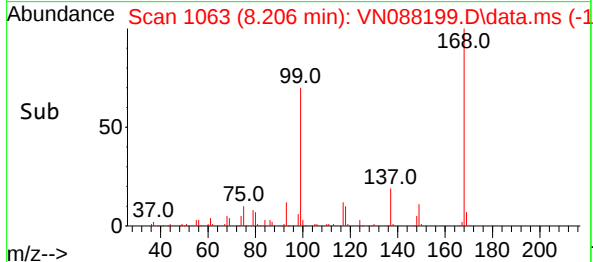
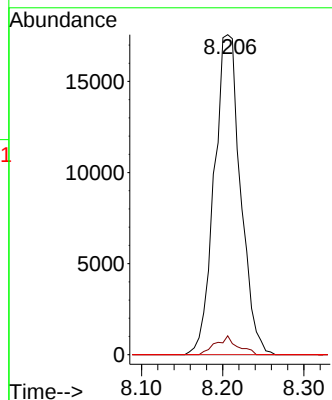
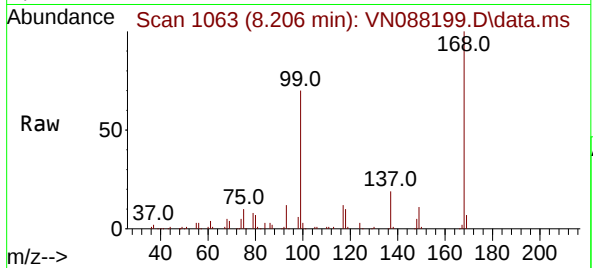




#38  
Carbon Tetrachloride  
Concen: 5.098 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. -0.135 min  
Lab File: VN088199.D  
Acq: 06 Nov 2025 12:09

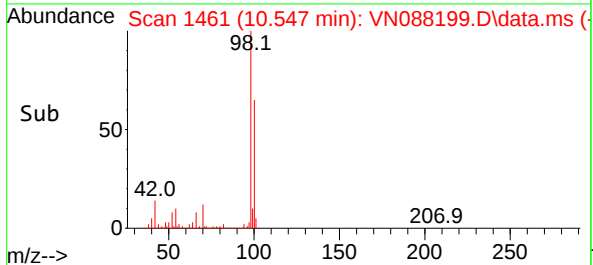
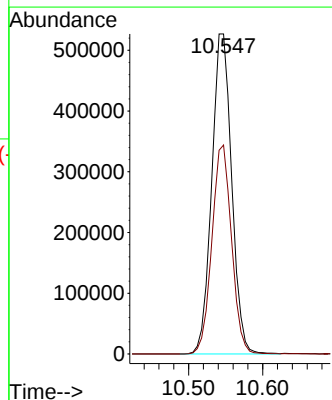
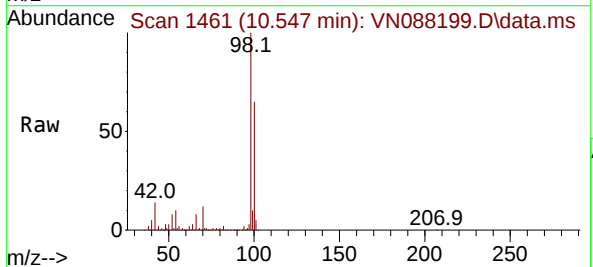
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1106WBL01

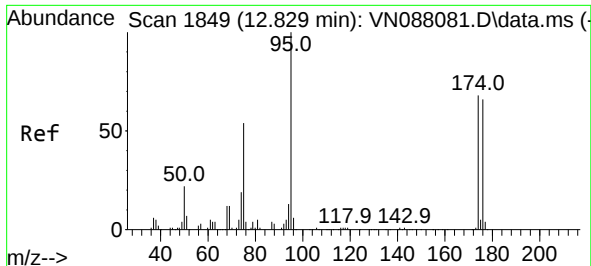
Tgt Ion:117 Resp: 39582  
Ion Ratio Lower Upper  
117 100  
119 5.9 79.0 118.6#  
121 0.0 25.0 37.6#



#50  
Toluene-d8  
Concen: 49.657 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN088199.D  
Acq: 06 Nov 2025 12:09

Tgt Ion: 98 Resp: 985117  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.8 79.2

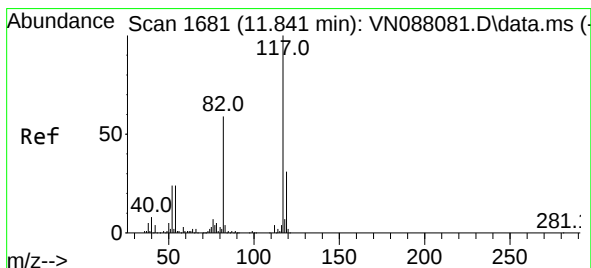
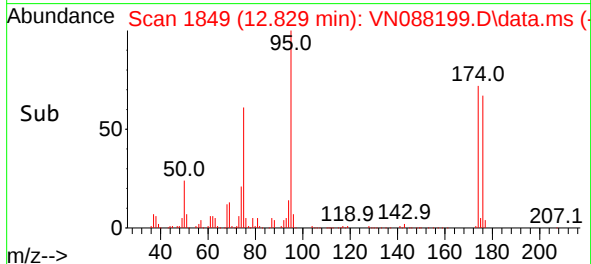
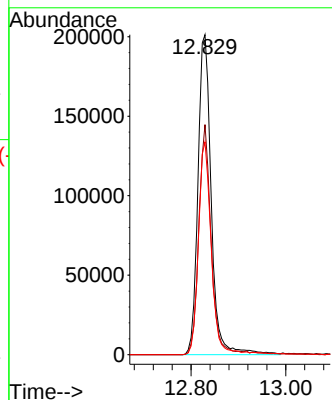
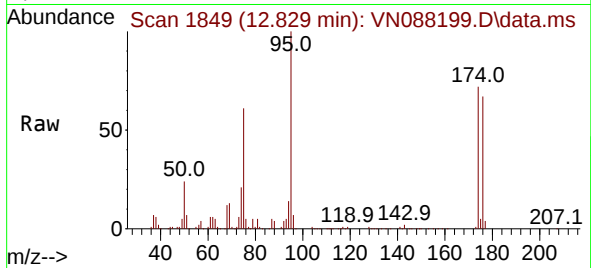




#62  
4-Bromofluorobenzene  
Concen: 56.094 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN088199.D  
Acq: 06 Nov 2025 12:09

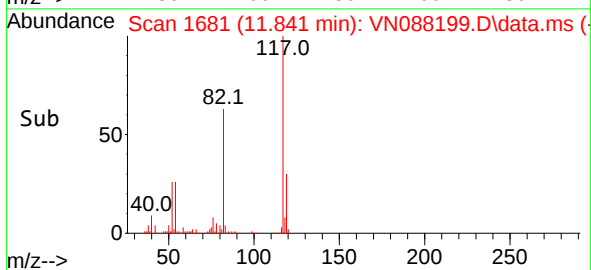
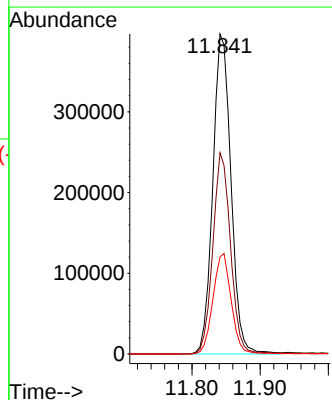
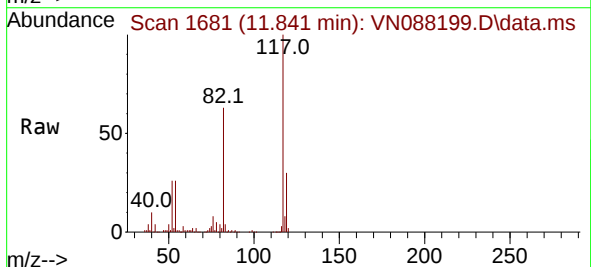
Instrument :  
MSVOA\_N  
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VN1106WBL01

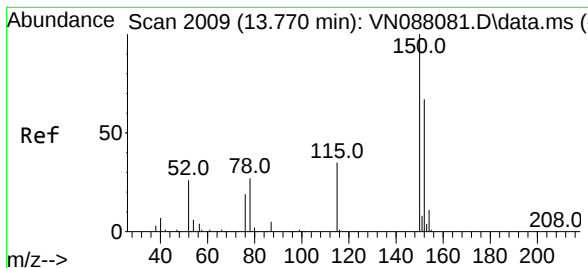
Tgt Ion: 95 Resp: 393012  
Ion Ratio Lower Upper  
95 100  
174 67.6 0.0 138.4  
176 64.6 0.0 132.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 1681  
Delta R.T. -0.000 min  
Lab File: VN088199.D  
Acq: 06 Nov 2025 12:09

Tgt Ion: 117 Resp: 734647  
Ion Ratio Lower Upper  
117 100  
82 62.9 47.4 71.2  
119 30.4 24.3 36.5

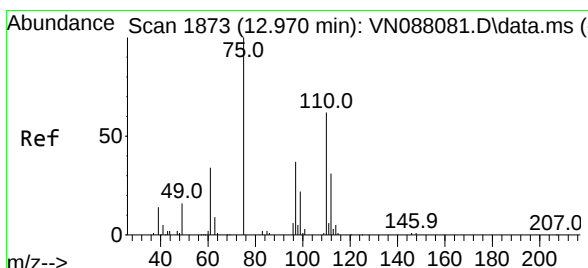
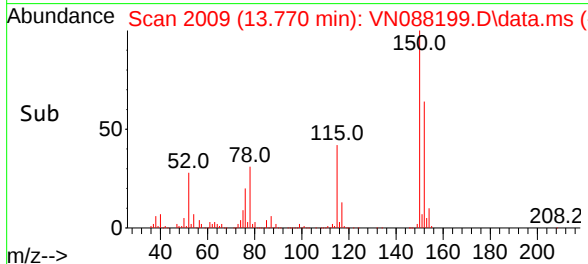
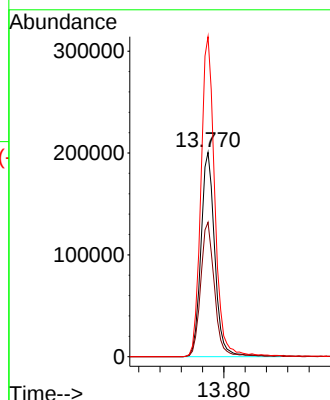
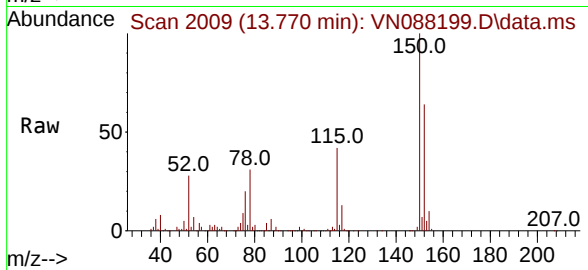




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.770 min Scan# 2009  
 Delta R.T. 0.006 min  
 Lab File: VN088199.D  
 Acq: 06 Nov 2025 12:09

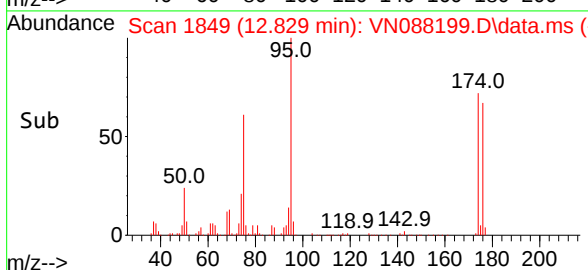
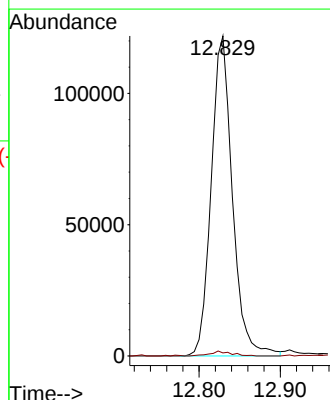
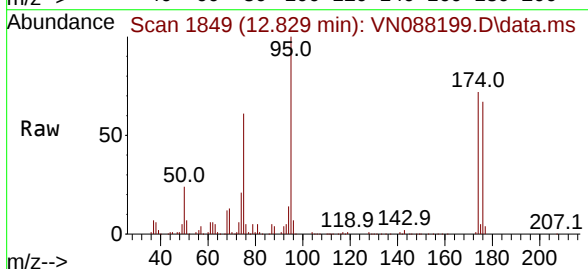
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1106WBL01

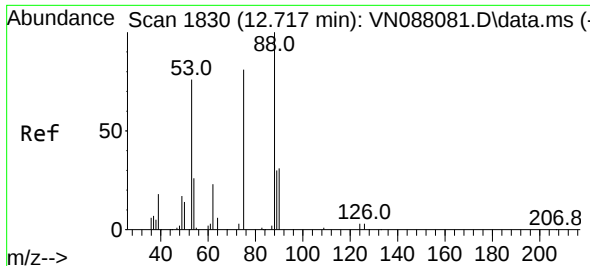
Tgt Ion:152 Resp: 362059  
 Ion Ratio Lower Upper  
 152 100  
 115 65.7 32.3 96.8  
 150 157.1 0.0 351.0



#76  
 1,2,3-Trichloropropane  
 Concen: 26.763 ug/l  
 RT: 12.829 min Scan# 1849  
 Delta R.T. -0.141 min  
 Lab File: VN088199.D  
 Acq: 06 Nov 2025 12:09

Tgt Ion: 75 Resp: 221535  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 89.1 267.4#

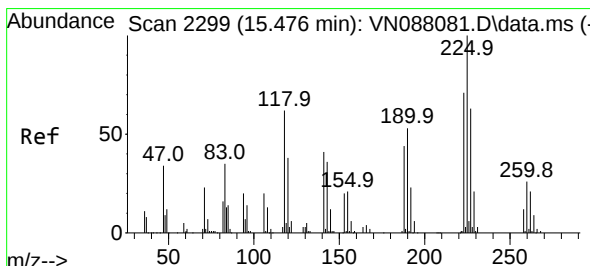
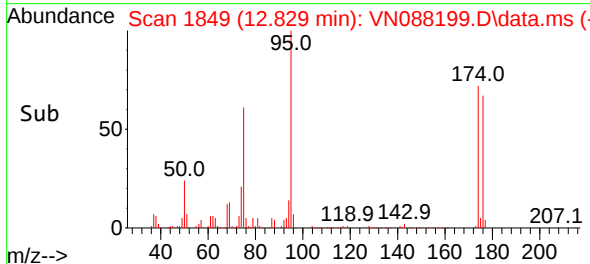
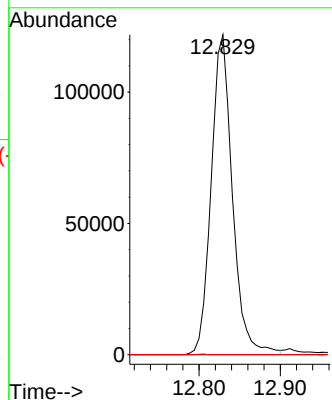
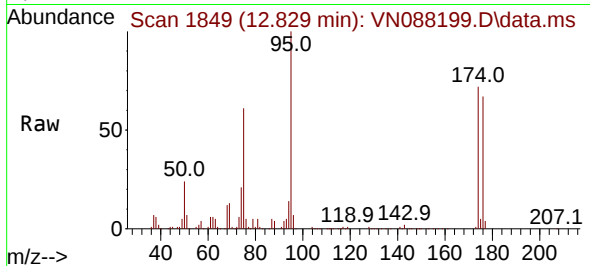




#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.655 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.112 min  
Lab File: VN088199.D  
Acq: 06 Nov 2025 12:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1106WBL01

Tgt Ion: 75 Resp: 221535  
Ion Ratio Lower Upper  
75 100  
53 0.0 101.8 152.6#  
89 0.0 35.6 53.4#



#94  
Hexachlorobutadiene  
Concen: 0.271 ug/l  
RT: 15.470 min Scan# 2298  
Delta R.T. -0.006 min  
Lab File: VN088199.D  
Acq: 06 Nov 2025 12:09

Tgt Ion: 225 Resp: 709  
Ion Ratio Lower Upper  
225 100  
223 50.6 32.0 96.2  
227 49.8 32.1 96.5

