

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100325\  
 Data File : VN088020.D  
 Acq On : 03 Oct 2025 13:57  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Oct 04 02:55:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092325W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 24 05:05:30 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 169969   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 375483   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.847 | 117  | 375101   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 180574   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 168389   | 58.868   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 117.740% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 143073   | 52.480   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.960% |
| 50) Toluene-d8              | 10.547 | 98    | 491875   | 51.306   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 102.620% |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 169717   | 49.526   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 99.060%  |

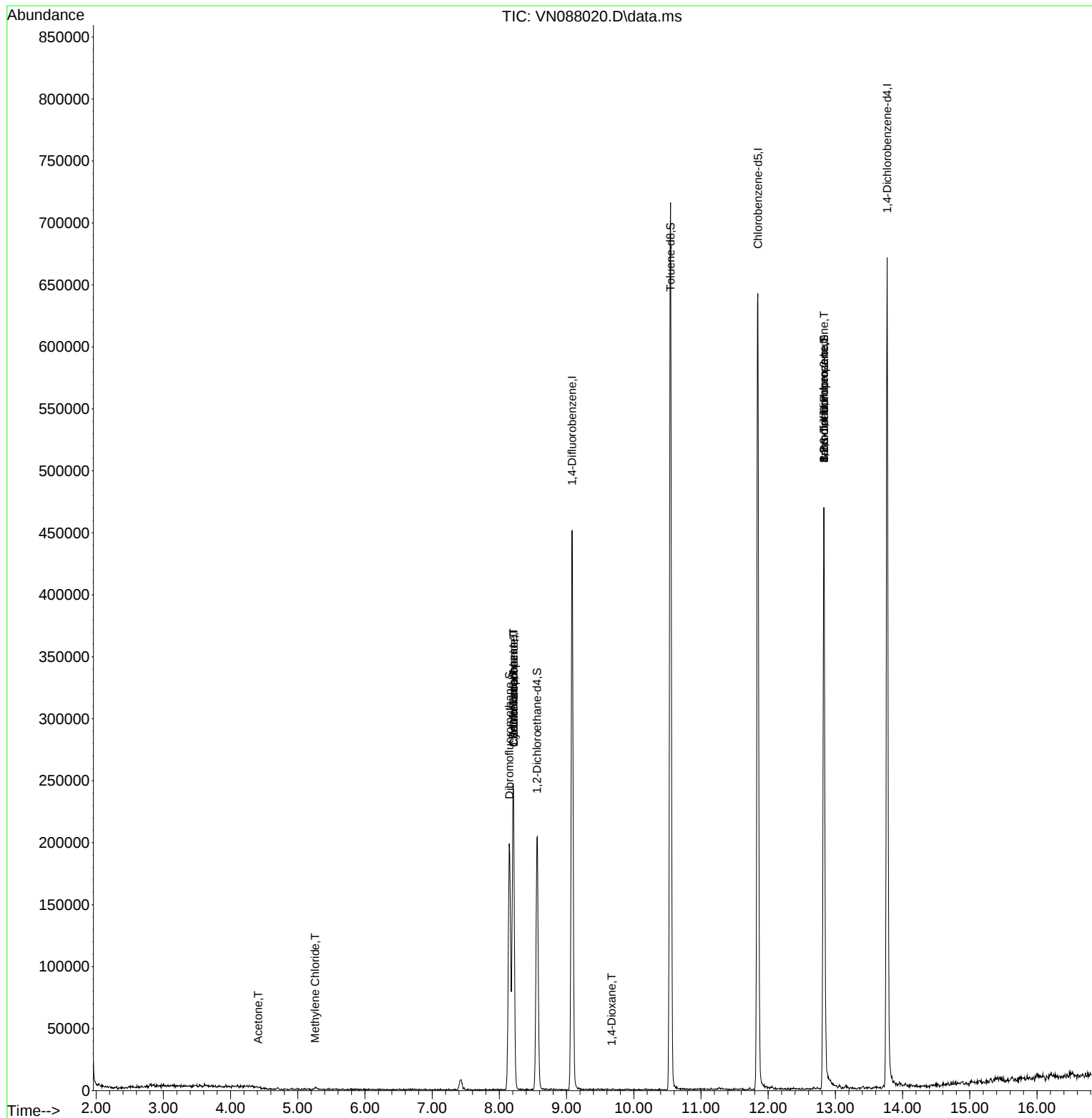
| Target Compounds              |        |     |       |        | Qvalue |    |
|-------------------------------|--------|-----|-------|--------|--------|----|
| 16) Acetone                   | 4.412  | 43  | 927   | 0.788  | ug/l # | 45 |
| 20) Methylene Chloride        | 5.259  | 84  | 725   | 0.304  | ug/l # | 71 |
| 31) Cyclohexane               | 8.212  | 56  | 5041  | 1.572  | ug/l # | 38 |
| 36) 1,1-Dichloropropene       | 8.212  | 75  | 16308 | 4.975  | ug/l # | 49 |
| 38) Carbon Tetrachloride      | 8.212  | 117 | 18421 | 4.897  | ug/l # | 19 |
| 49) 1,4-Dioxane               | 9.671  | 88  | 53    | 1.143  | ug/l # | 23 |
| 71) Bromoform                 | 12.829 | 173 | 1509  | 0.646  | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 12.829 | 75  | 92776 | 26.064 | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.829 | 75  | 92776 | 72.376 | ug/l # | 9  |

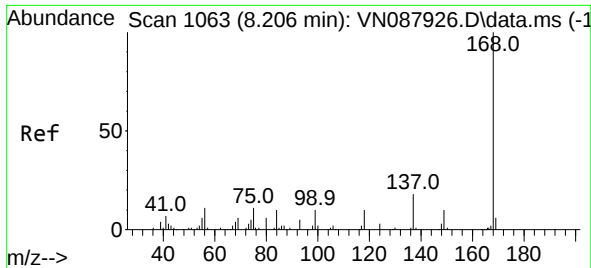
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100325\  
Data File : VN088020.D  
Acq On : 03 Oct 2025 13:57  
Operator : JC\MD  
Sample : IBLK  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Quant Time: Oct 04 02:55:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092325W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 24 05:05:30 2025  
Response via : Initial Calibration

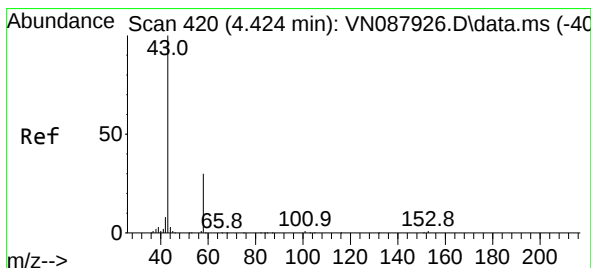
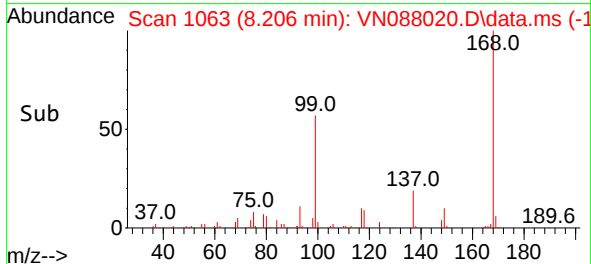
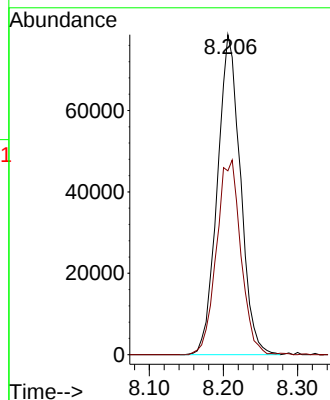
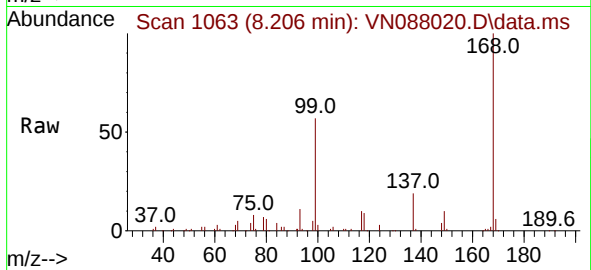




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN088020.D  
Acq: 03 Oct 2025 13:57

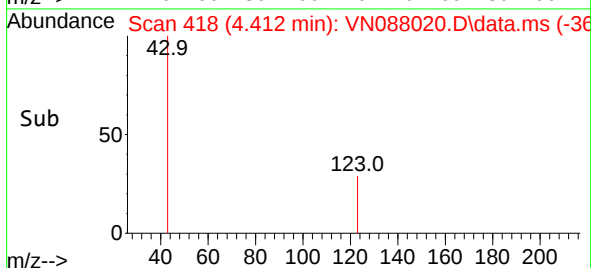
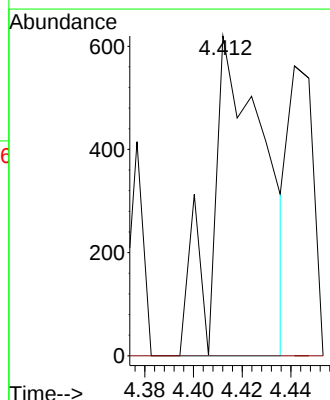
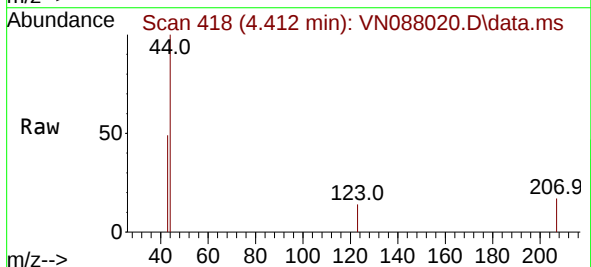
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

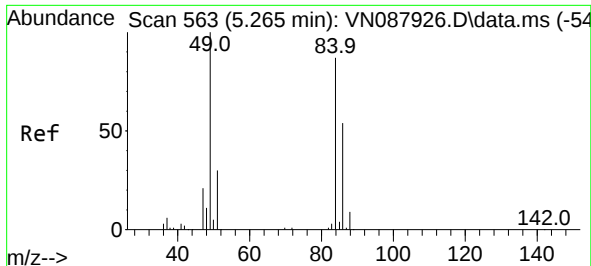
Tgt Ion:168 Resp: 169969  
Ion Ratio Lower Upper  
168 100  
99 57.5 52.2 78.2



#16  
Acetone  
Concen: 0.788 ug/l  
RT: 4.412 min Scan# 418  
Delta R.T. -0.012 min  
Lab File: VN088020.D  
Acq: 03 Oct 2025 13:57

Tgt Ion: 43 Resp: 927  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.1 36.1#

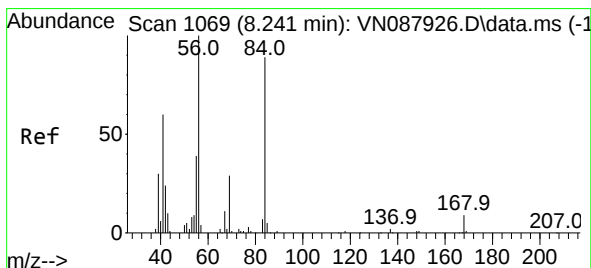
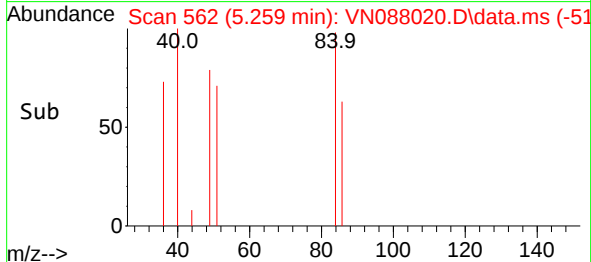
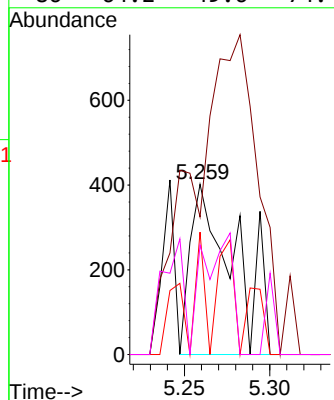
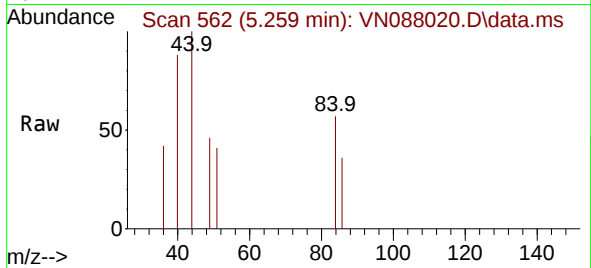




#20  
Methylene Chloride  
Concen: 0.304 ug/l  
RT: 5.259 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VN088020.D  
Acq: 03 Oct 2025 13:57

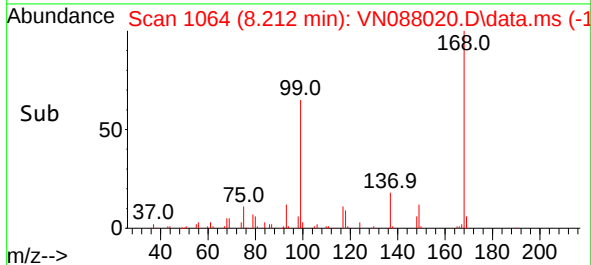
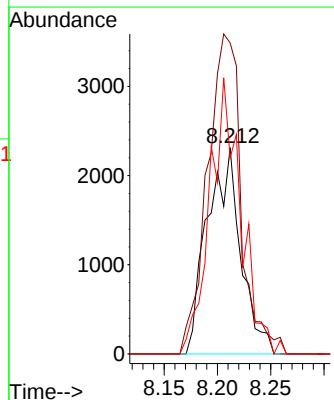
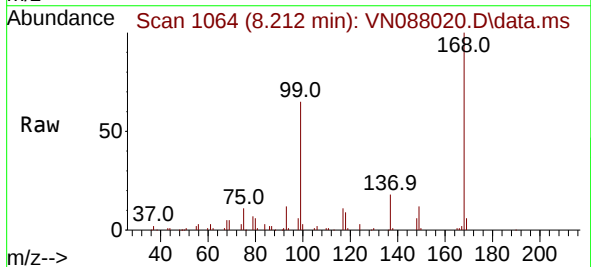
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

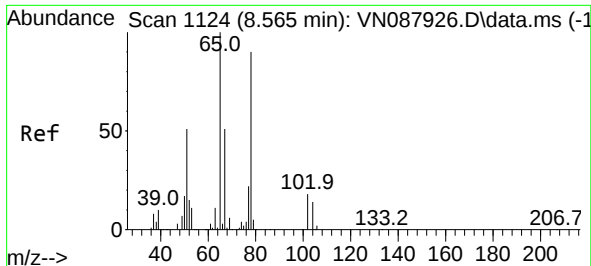
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 725    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 80.8  | 92.1  | 138.1# |
| 51       | 71.9  | 27.7  | 41.5#  |
| 86       | 64.2  | 49.6  | 74.4   |



#31  
Cyclohexane  
Concen: 1.572 ug/l  
RT: 8.212 min Scan# 1064  
Delta R.T. -0.030 min  
Lab File: VN088020.D  
Acq: 03 Oct 2025 13:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 5041  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 150.9 | 23.4  | 35.0# |
| 84       | 95.0  | 70.8  | 106.2 |

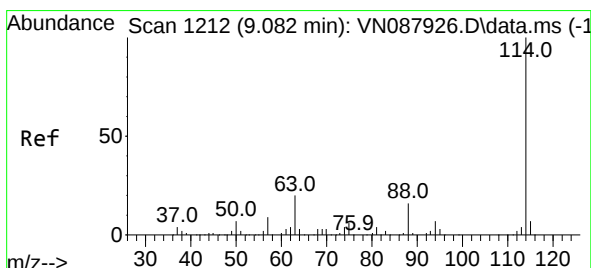
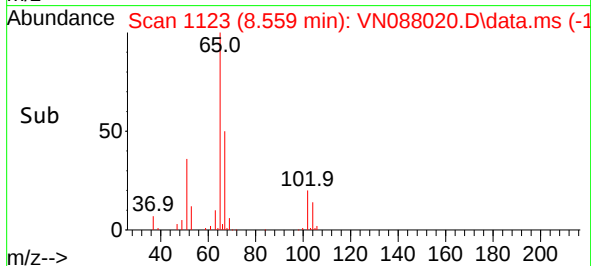
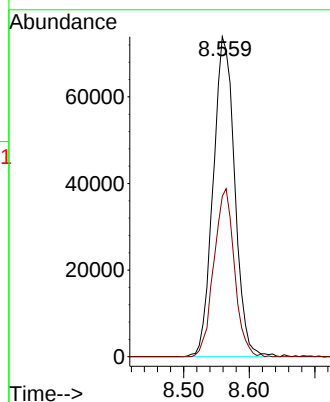
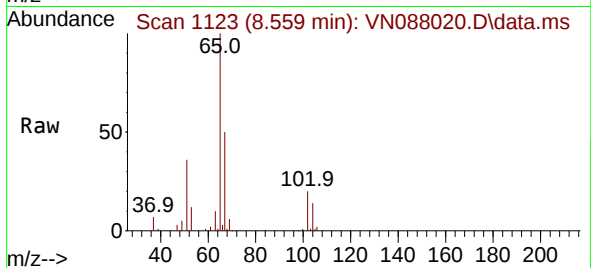




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.868 ug/l  
 RT: 8.559 min Scan# 1123  
 Delta R.T. -0.006 min  
 Lab File: VN088020.D  
 Acq: 03 Oct 2025 13:57

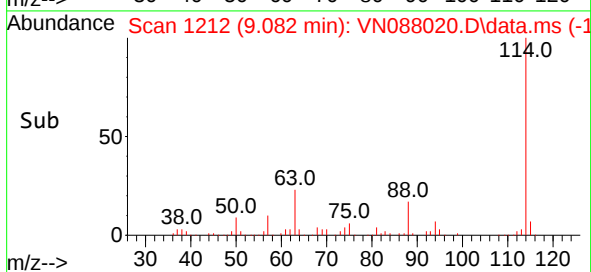
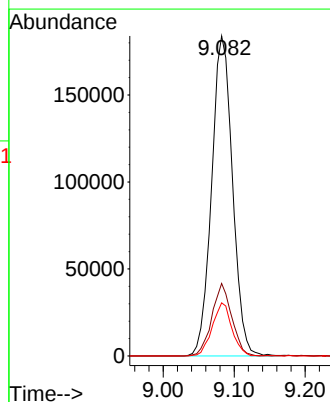
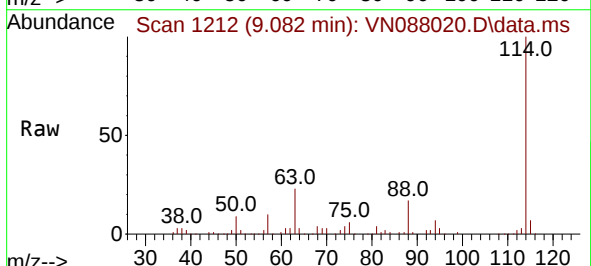
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

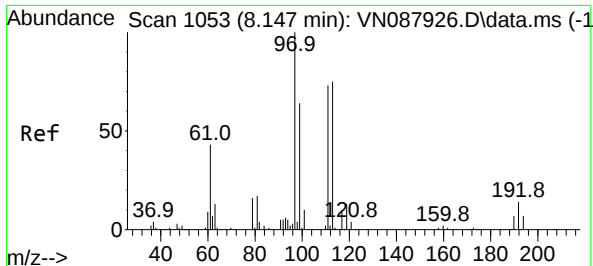
Tgt Ion: 65 Resp: 168389  
 Ion Ratio Lower Upper  
 65 100  
 67 50.1 0.0 103.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.082 min Scan# 1212  
 Delta R.T. -0.000 min  
 Lab File: VN088020.D  
 Acq: 03 Oct 2025 13:57

Tgt Ion: 114 Resp: 375483  
 Ion Ratio Lower Upper  
 114 100  
 63 22.6 0.0 40.0  
 88 16.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.480 ug/l

RT: 8.147 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088020.D

Acq: 03 Oct 2025 13:57

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

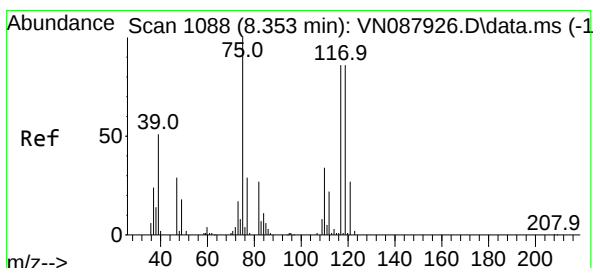
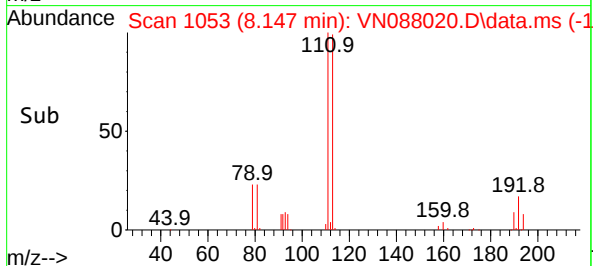
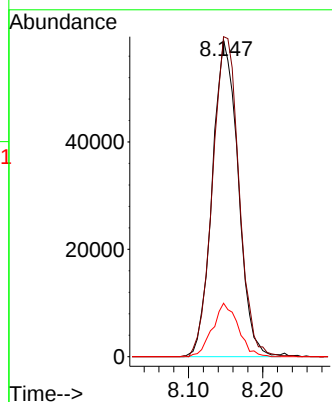
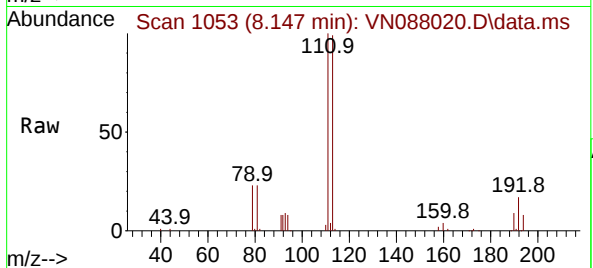
Tgt Ion:113 Resp: 143073

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 16.7 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.975 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN088020.D

Acq: 03 Oct 2025 13:57

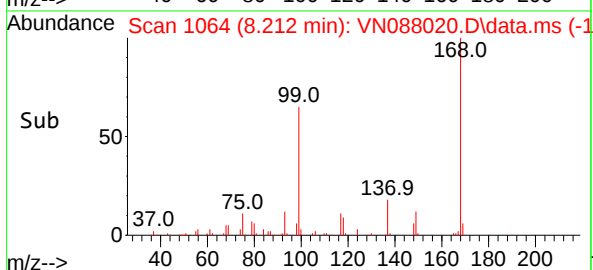
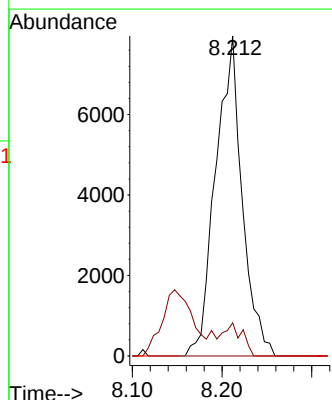
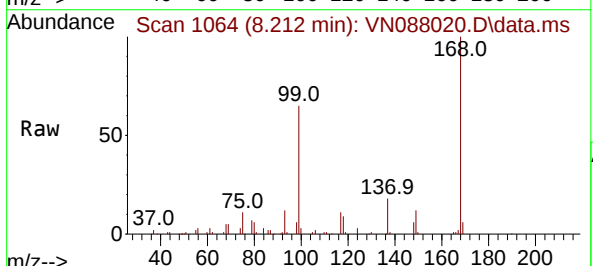
Tgt Ion: 75 Resp: 16308

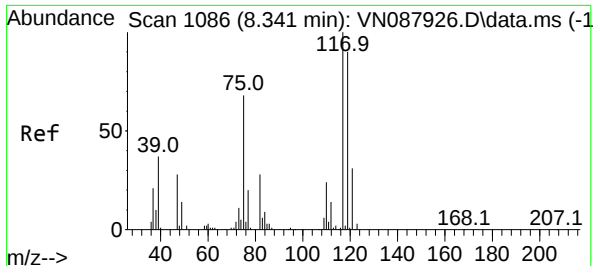
Ion Ratio Lower Upper

75 100

110 7.3 17.1 51.3#

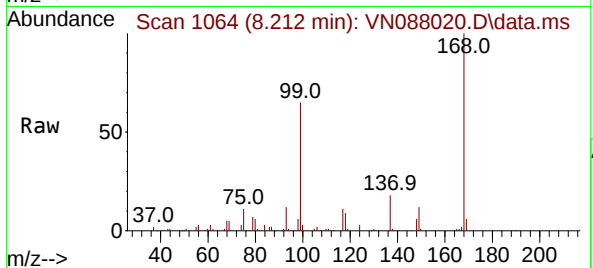
77 0.0 24.8 37.2#



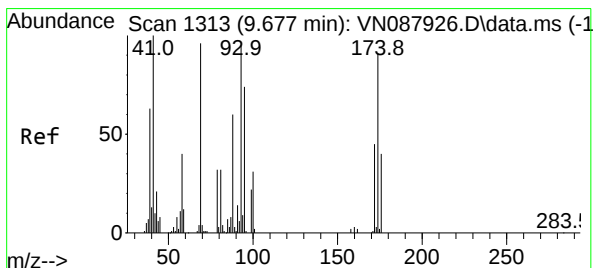
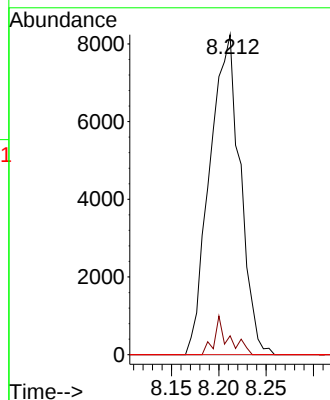
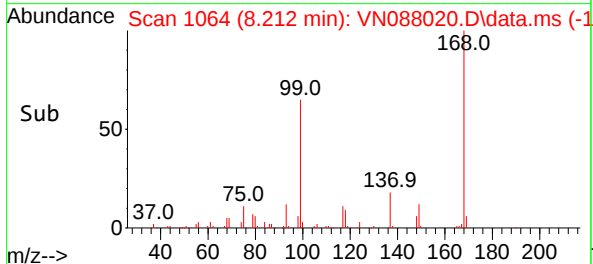


#38  
Carbon Tetrachloride  
Concen: 4.897 ug/l  
RT: 8.212 min Scan# 1064  
Delta R.T. -0.130 min  
Lab File: VN088020.D  
Acq: 03 Oct 2025 13:57

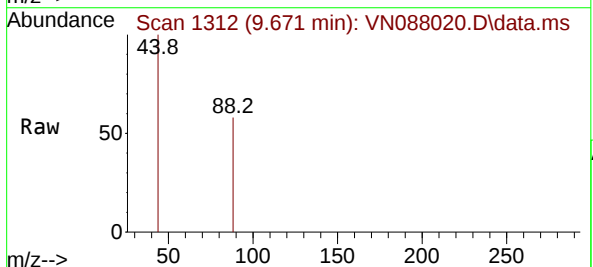
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK



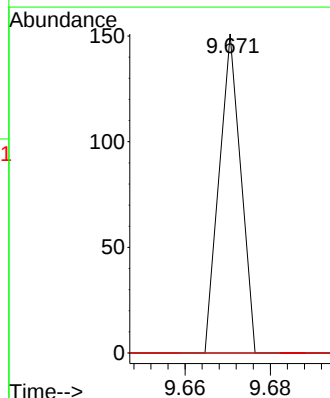
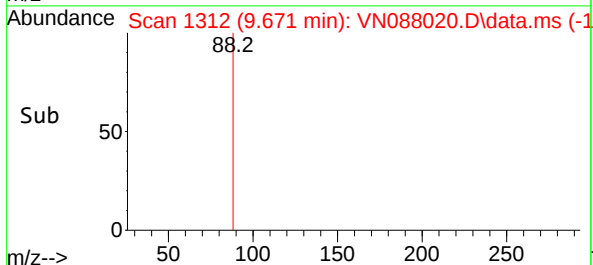
Tgt Ion: 117 Resp: 18421  
Ion Ratio Lower Upper  
117 100  
119 5.9 72.1 108.1#  
121 0.0 24.6 36.8#

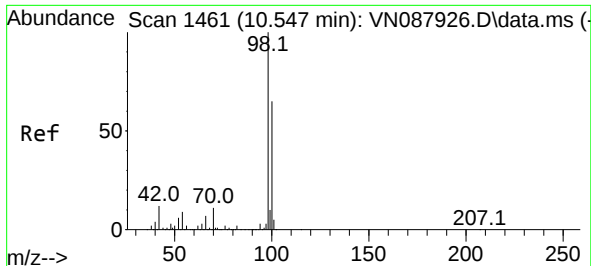


#49  
1,4-Dioxane  
Concen: 1.143 ug/l  
RT: 9.671 min Scan# 1312  
Delta R.T. -0.006 min  
Lab File: VN088020.D  
Acq: 03 Oct 2025 13:57



Tgt Ion: 88 Resp: 53  
Ion Ratio Lower Upper  
88 100  
43 0.0 22.6 33.8#  
58 0.0 57.4 86.2#

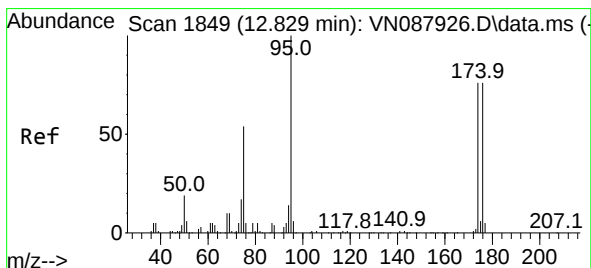
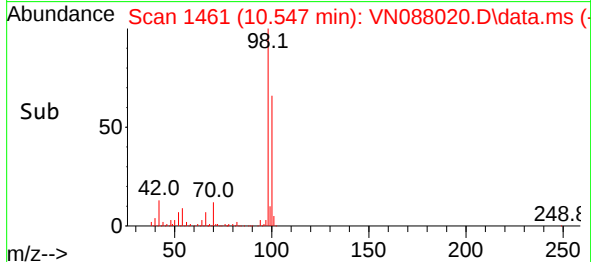
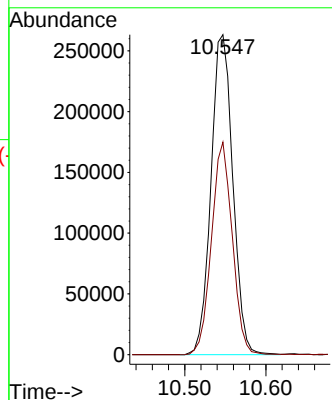
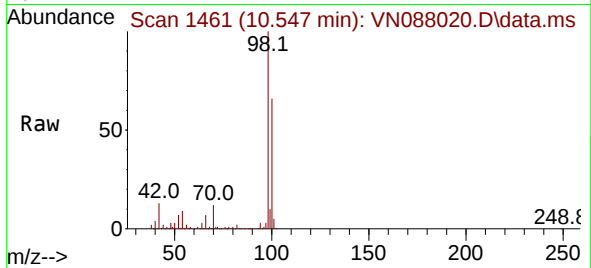




#50  
Toluene-d8  
Concen: 51.306 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN088020.D  
Acq: 03 Oct 2025 13:57

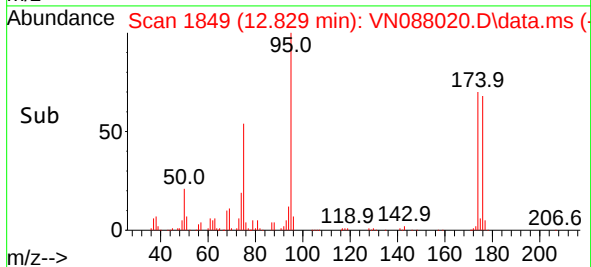
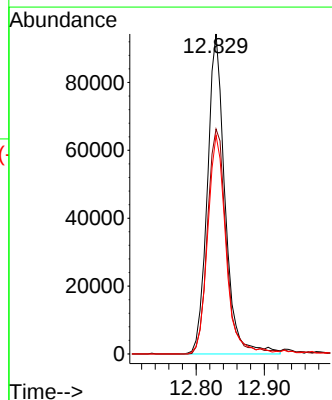
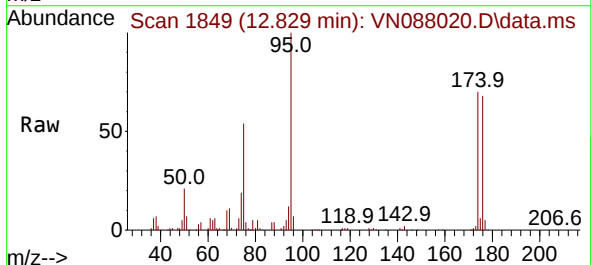
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

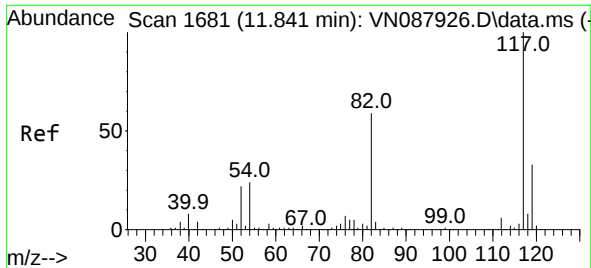
Tgt Ion: 98 Resp: 491875  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 49.526 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. -0.000 min  
Lab File: VN088020.D  
Acq: 03 Oct 2025 13:57

Tgt Ion: 95 Resp: 169717  
Ion Ratio Lower Upper  
95 100  
174 74.9 0.0 159.2  
176 70.7 0.0 152.6

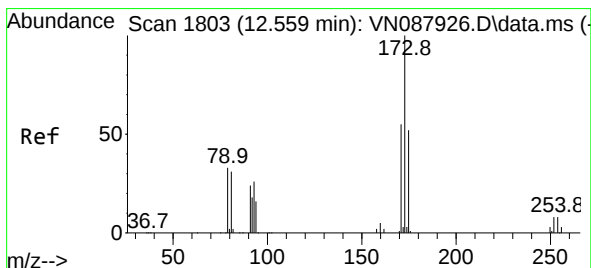
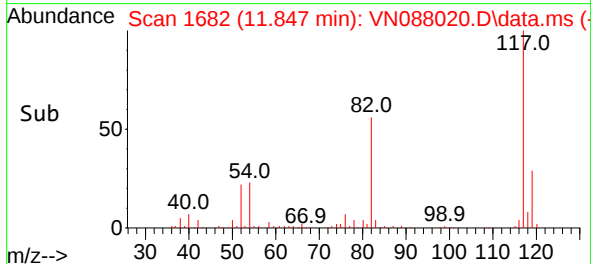
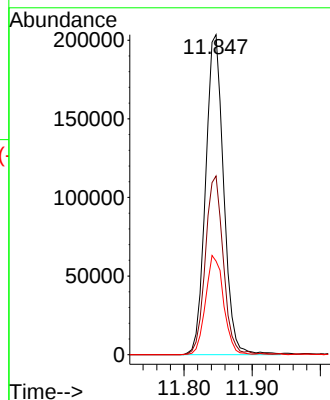
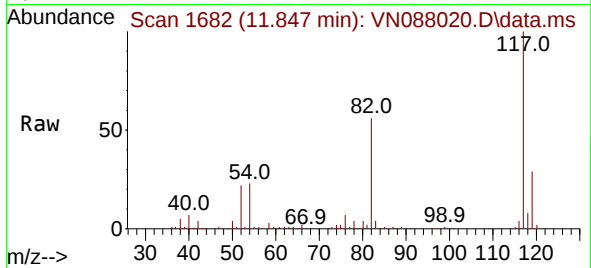




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.847 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN088020.D  
Acq: 03 Oct 2025 13:57

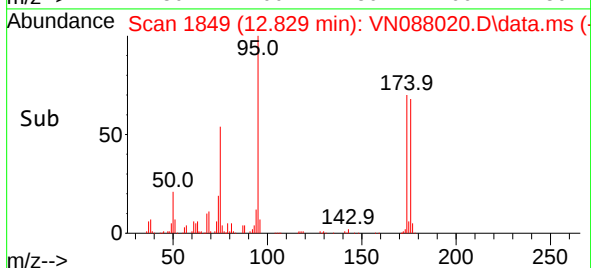
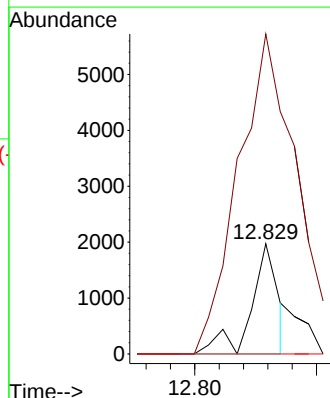
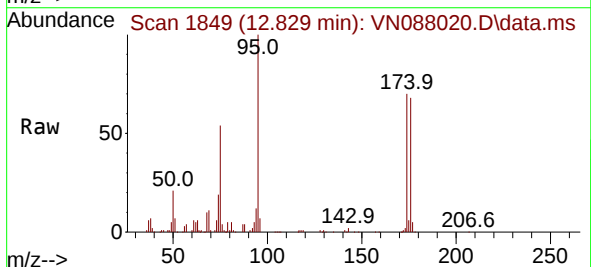
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

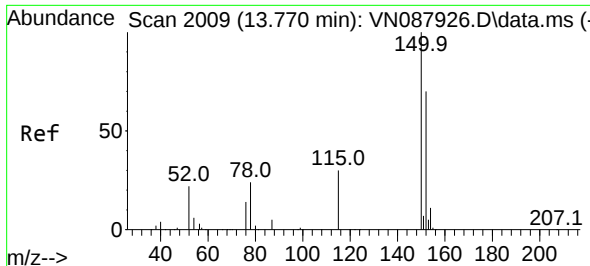
Tgt Ion:117 Resp: 375101  
Ion Ratio Lower Upper  
117 100  
82 55.9 47.0 70.4  
119 29.3 26.1 39.1



#71  
Bromoform  
Concen: 0.646 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.270 min  
Lab File: VN088020.D  
Acq: 03 Oct 2025 13:57

Tgt Ion:173 Resp: 1509  
Ion Ratio Lower Upper  
173 100  
175 463.9 23.7 71.1#  
254 0.0 0.1 0.1#

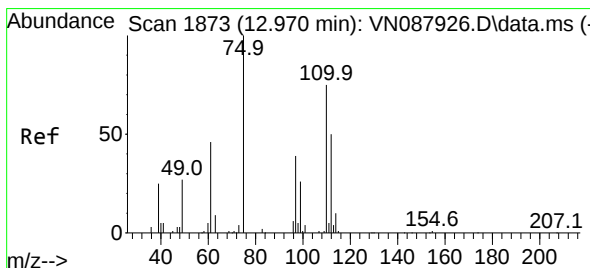
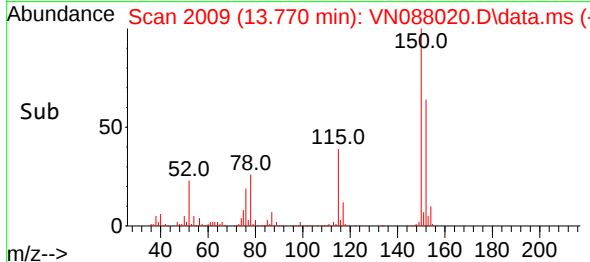
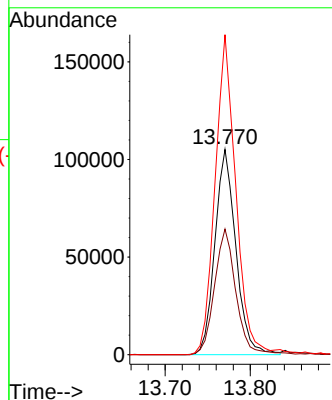
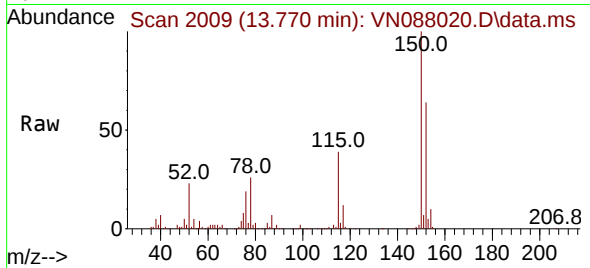




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.770 min Scan# 2009  
 Delta R.T. -0.000 min  
 Lab File: VN088020.D  
 Acq: 03 Oct 2025 13:57

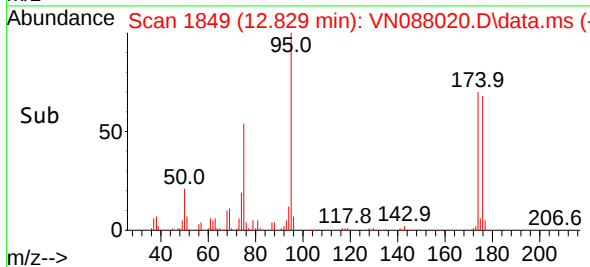
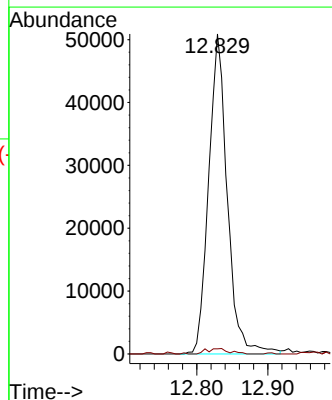
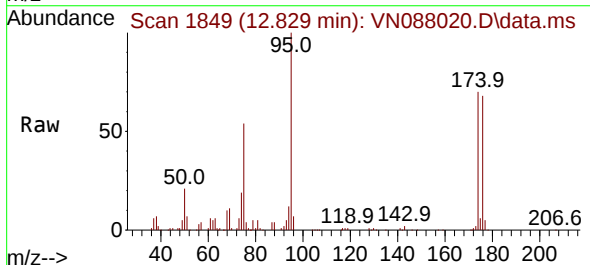
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

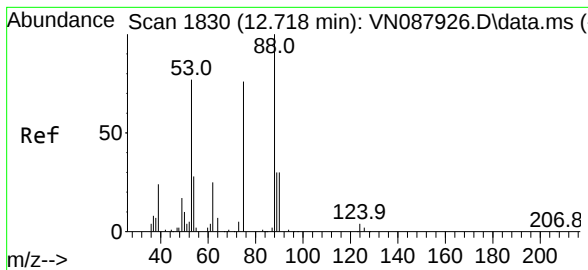
Tgt Ion:152 Resp: 180574  
 Ion Ratio Lower Upper  
 152 100  
 115 62.3 29.9 89.7  
 150 155.6 0.0 335.0



#76  
 1,2,3-Trichloropropane  
 Concen: 26.064 ug/l  
 RT: 12.829 min Scan# 1849  
 Delta R.T. -0.141 min  
 Lab File: VN088020.D  
 Acq: 03 Oct 2025 13:57

Tgt Ion: 75 Resp: 92776  
 Ion Ratio Lower Upper  
 75 100  
 77 1.7 89.5 268.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 72.376 ug/l  
 RT: 12.829 min Scan# 1849  
 Delta R.T. 0.112 min  
 Lab File: VN088020.D  
 Acq: 03 Oct 2025 13:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Tgt Ion: 75 Resp: 92776  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 82.0 123.0#  
 89 0.0 36.1 54.1#

