

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120225\  
 Data File : VN088407.D  
 Acq On : 02 Dec 2025 13:56  
 Operator : JC\MD  
 Sample : Q3745-01RE  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 03 01:29:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 202384   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.083  | 114  | 479232   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 469753   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 222144   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 233204   | 61.168   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 122.340% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 163264   | 49.160   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 98.320%  |
| 50) Toluene-d8              | 10.541 | 98    | 589425   | 47.700   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 95.400%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 216198   | 50.992   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 101.980% |

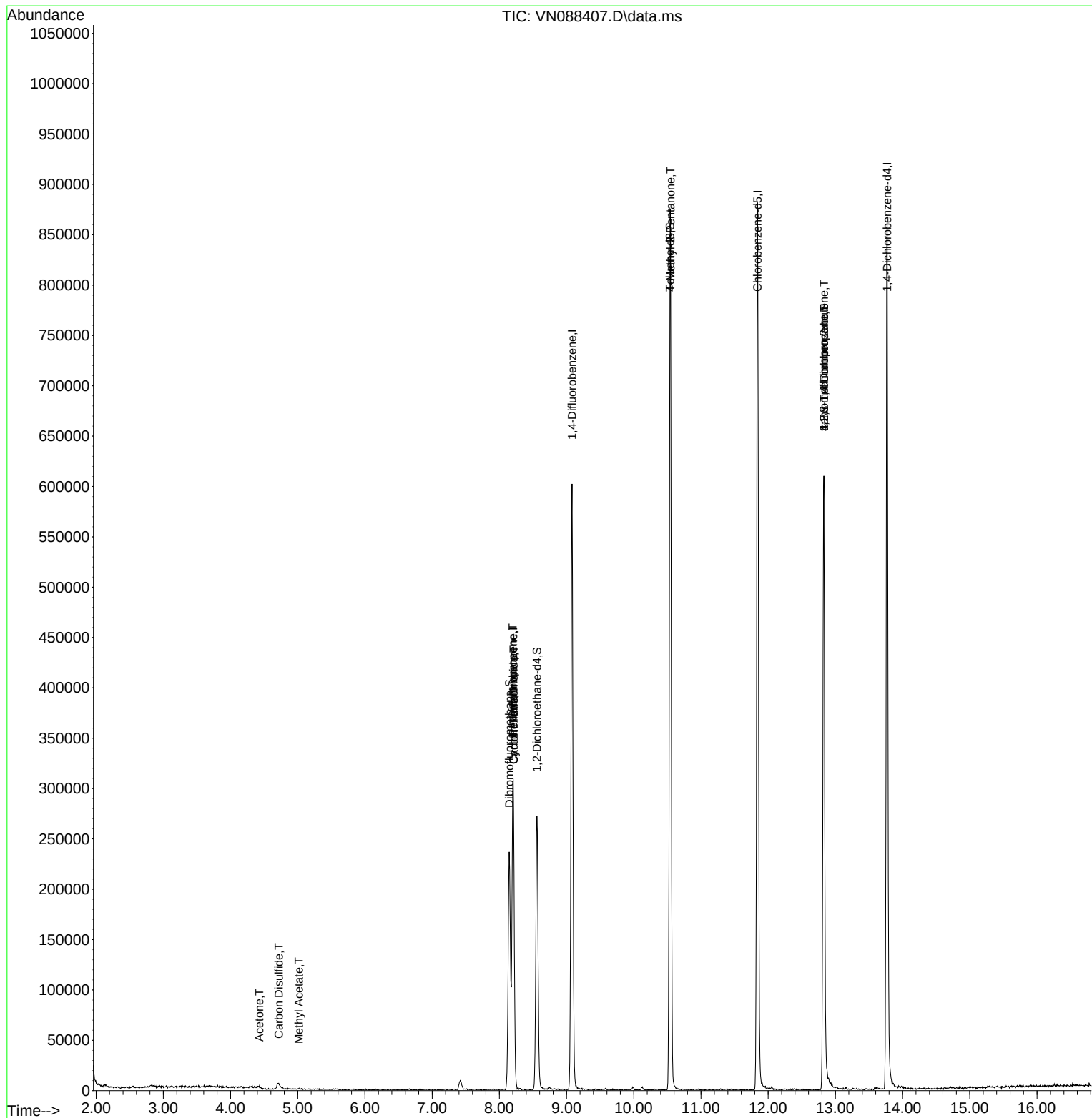
| Target Compounds              |        |     |        |        | Qvalue |    |
|-------------------------------|--------|-----|--------|--------|--------|----|
| 16) Acetone                   | 4.430  | 43  | 4126   | 2.992  | ug/l   | 98 |
| 17) Carbon Disulfide          | 4.718  | 76  | 2606   | 0.323  | ug/l # | 76 |
| 18) Methyl Acetate            | 5.018  | 43  | 1353   | 0.330  | ug/l # | 63 |
| 31) Cyclohexane               | 8.212  | 56  | 6889   | 1.374  | ug/l # | 59 |
| 36) 1,1-Dichloropropene       | 8.200  | 75  | 21240  | 4.144  | ug/l # | 52 |
| 38) Carbon Tetrachloride      | 8.212  | 117 | 24271  | 4.757  | ug/l # | 14 |
| 51) 4-Methyl-2-Pentanone      | 10.547 | 43  | 3699   | 0.609  | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 12.829 | 75  | 127951 | 24.592 | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.829 | 75  | 127951 | 69.765 | ug/l # | 1  |

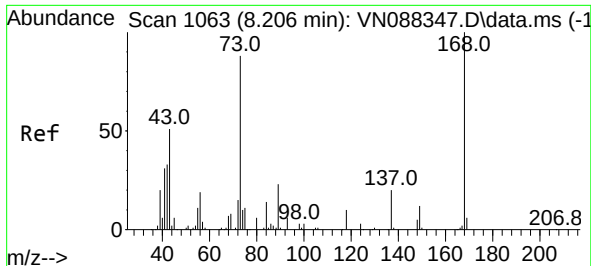
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Dec 03 01:29:14 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

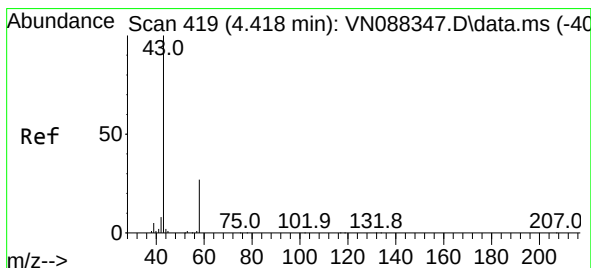
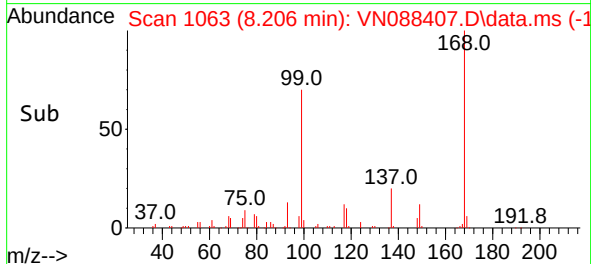
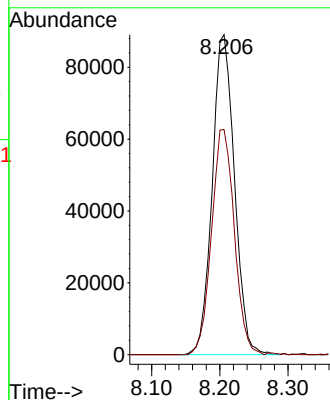
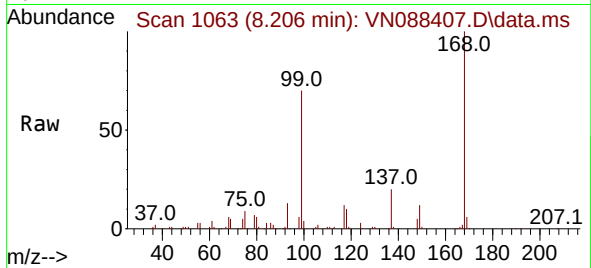




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088407.D  
Acq: 02 Dec 2025 13:56

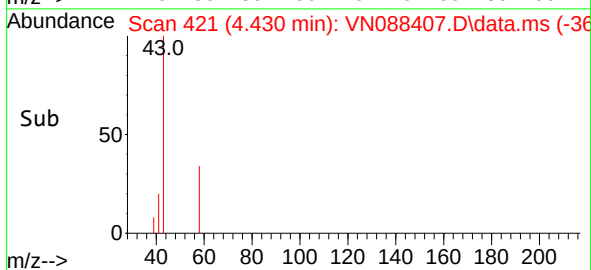
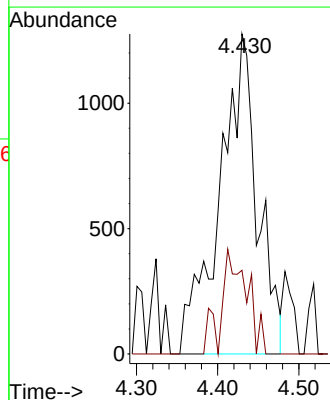
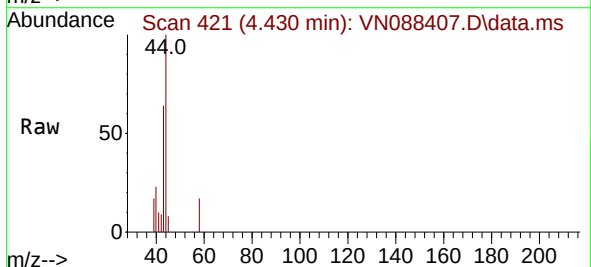
Instrument :  
MSVOA\_N  
ClientSampleId :

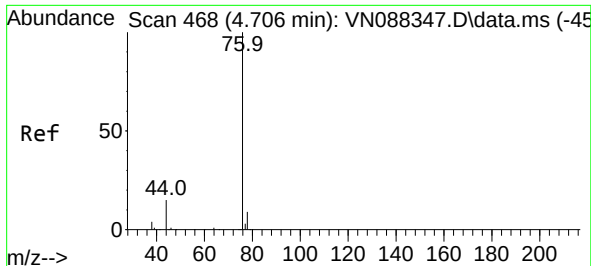
Tgt Ion:168 Resp: 202384  
Ion Ratio Lower Upper  
168 100  
99 70.4 57.1 85.7



#16  
Acetone  
Concen: 2.992 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.012 min  
Lab File: VN088407.D  
Acq: 02 Dec 2025 13:56

Tgt Ion: 43 Resp: 4126  
Ion Ratio Lower Upper  
43 100  
58 26.2 21.7 32.5

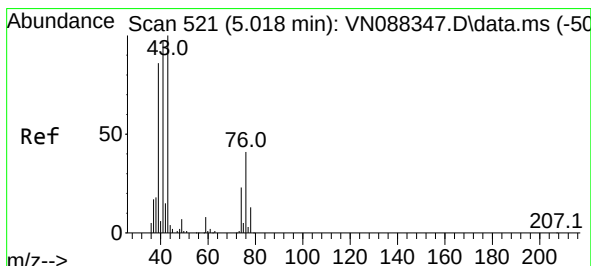
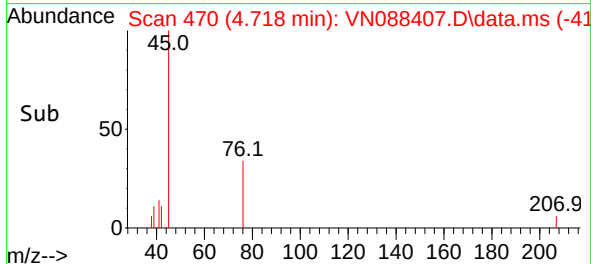
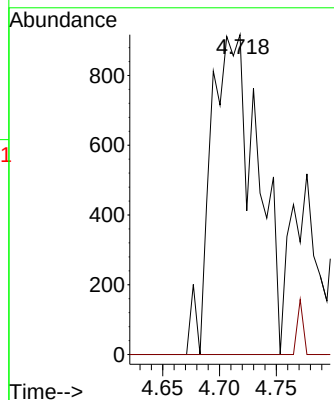
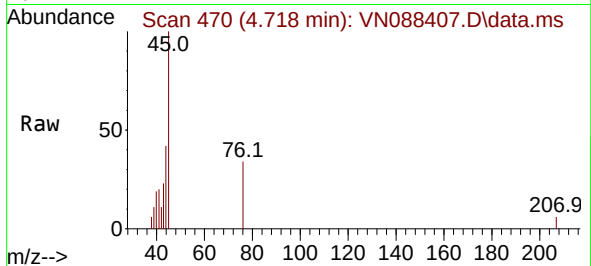




#17  
Carbon Disulfide  
Concen: 0.323 ug/l  
RT: 4.718 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VN088407.D  
Acq: 02 Dec 2025 13:56

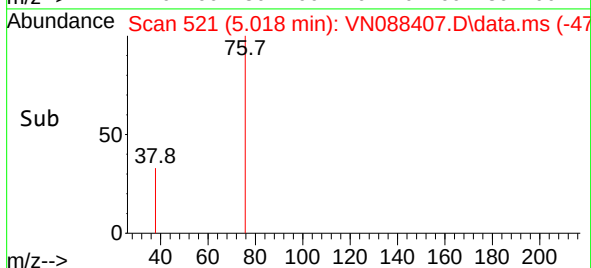
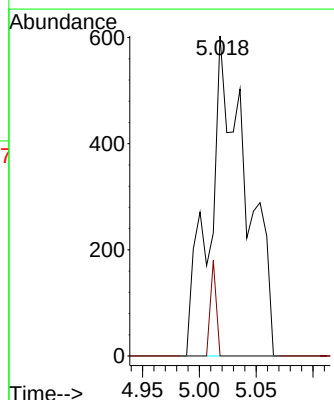
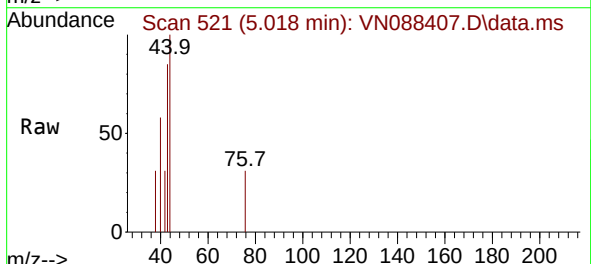
Instrument :  
MSVOA\_N  
ClientSampleId :

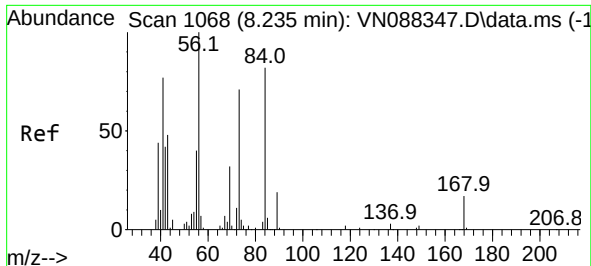
Tgt Ion: 76 Resp: 2606  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.4#



#18  
Methyl Acetate  
Concen: 0.330 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.000 min  
Lab File: VN088407.D  
Acq: 02 Dec 2025 13:56

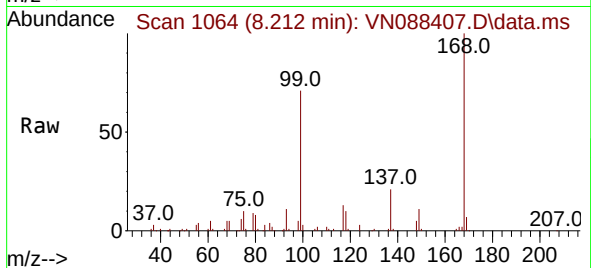
Tgt Ion: 43 Resp: 1353  
Ion Ratio Lower Upper  
43 100  
74 4.7 17.9 26.9#



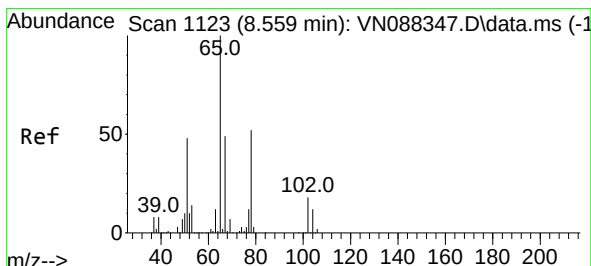
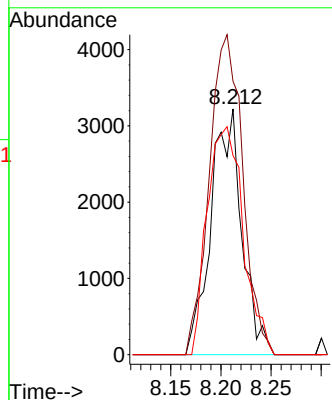
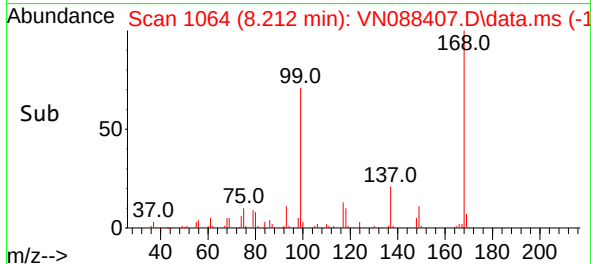


#31  
Cyclohexane  
Concen: 1.374 ug/l  
RT: 8.212 min Scan# 1064  
Delta R.T. -0.023 min  
Lab File: VN088407.D  
Acq: 02 Dec 2025 13:56

Instrument :  
MSVOA\_N  
ClientSampleId :

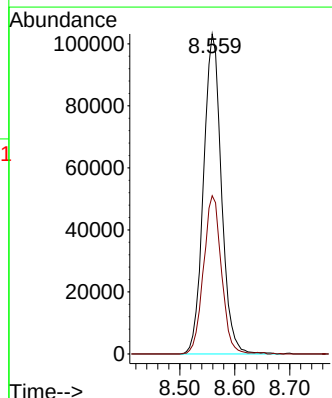
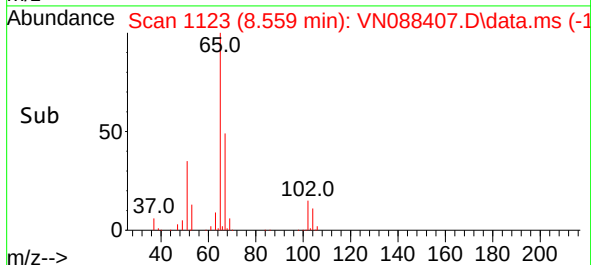
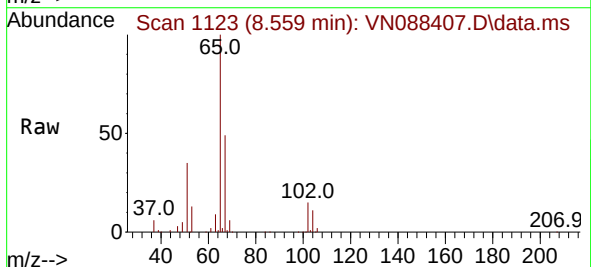


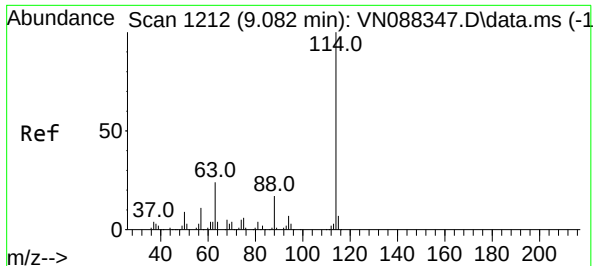
Tgt Ion: 56 Resp: 6889  
Ion Ratio Lower Upper  
56 100  
69 111.3 25.3 37.9#  
84 81.0 65.4 98.2



#33  
1,2-Dichloroethane-d4  
Concen: 61.168 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN088407.D  
Acq: 02 Dec 2025 13:56

Tgt Ion: 65 Resp: 233204  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088407.D

Acq: 02 Dec 2025 13:56

Instrument :

MSVOA\_N

ClientSampleId :

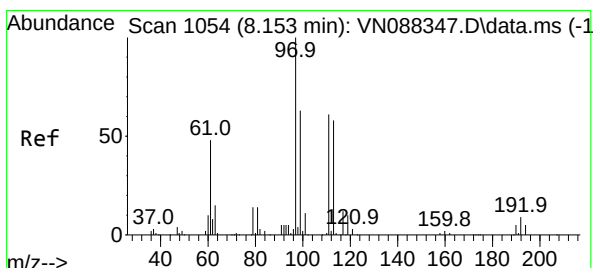
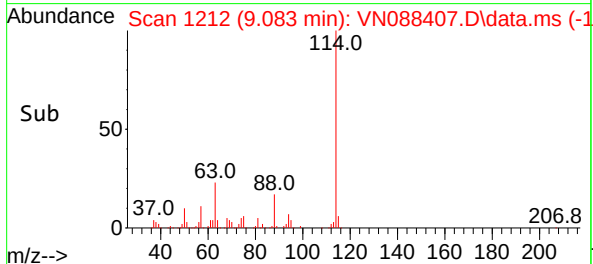
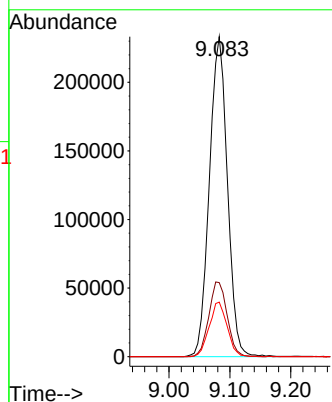
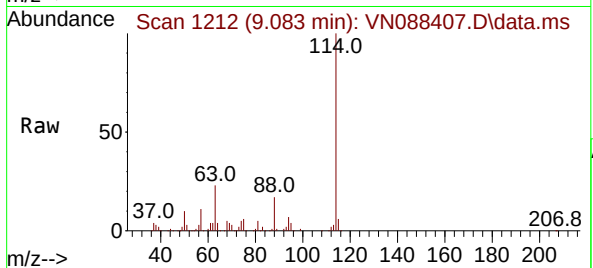
Tgt Ion:114 Resp: 479232

Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.0

88 17.1 0.0 34.0



#35

Dibromofluoromethane

Concen: 49.160 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088407.D

Acq: 02 Dec 2025 13:56

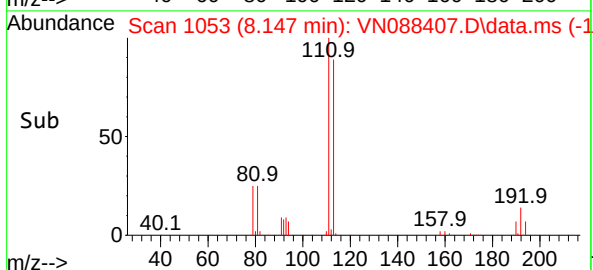
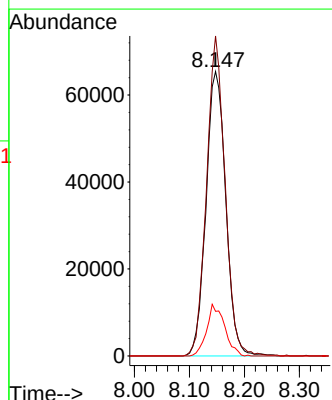
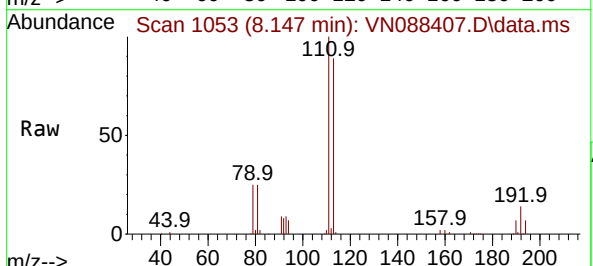
Tgt Ion:113 Resp: 163264

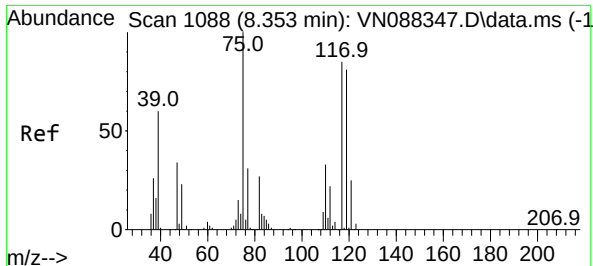
Ion Ratio Lower Upper

113 100

111 105.3 82.5 123.7

192 16.5 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.144 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

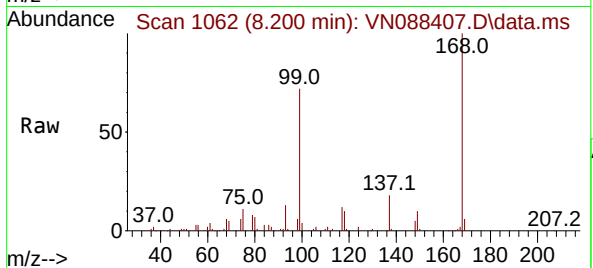
Lab File: VN088407.D

Acq: 02 Dec 2025 13:56

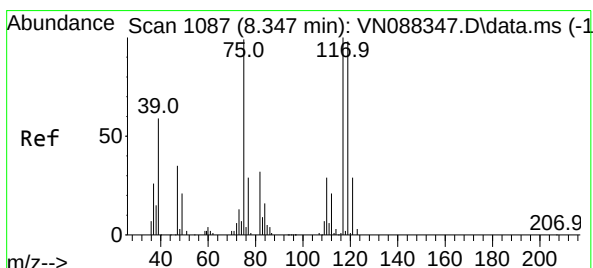
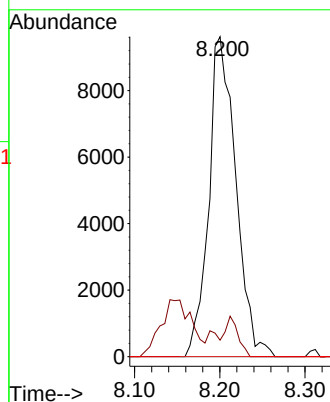
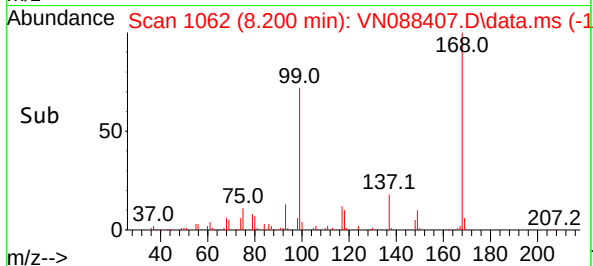
Instrument :

MSVOA\_N

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 21240 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 9.3   | 15.8  | 47.4# |
| 77        | 0.0   | 24.2  | 36.2# |



#38

Carbon Tetrachloride

Concen: 4.757 ug/l

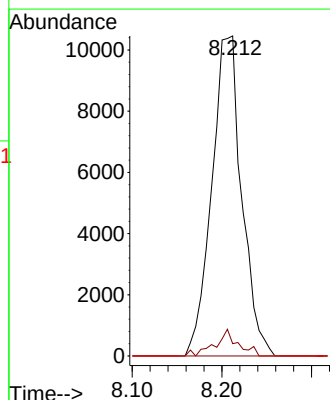
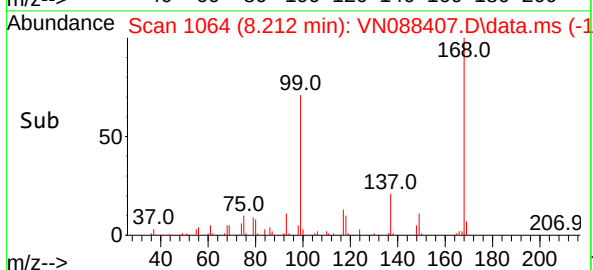
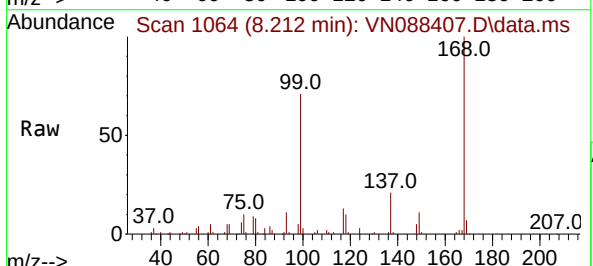
RT: 8.212 min Scan# 1064

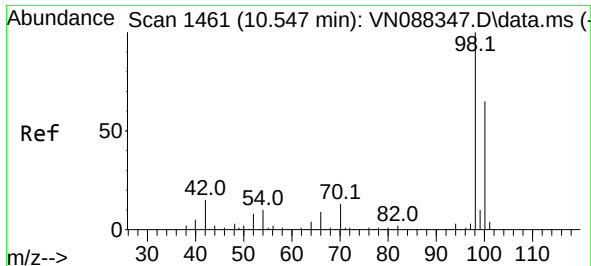
Delta R.T. -0.135 min

Lab File: VN088407.D

Acq: 02 Dec 2025 13:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 24271  |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 3.8   | 78.2  | 117.4# |
| 121       | 0.0   | 23.4  | 35.2#  |

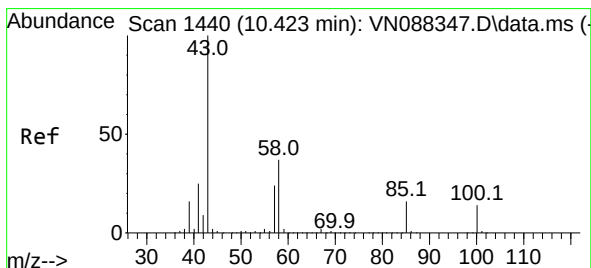
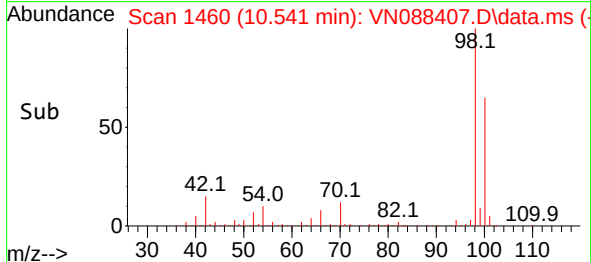
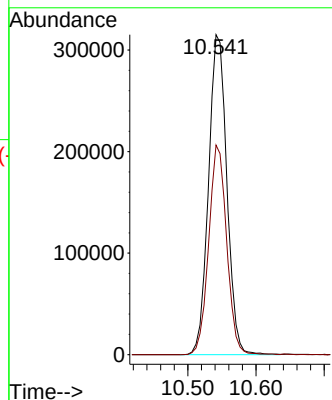
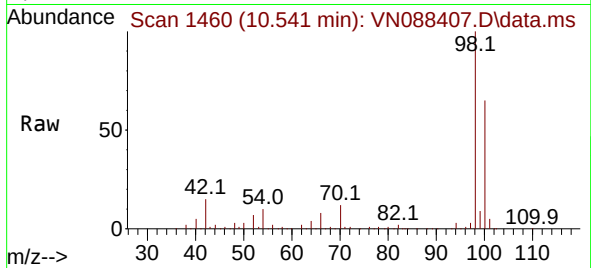




#50  
Toluene-d8  
Concen: 47.700 ug/l  
RT: 10.541 min Scan# 1461  
Delta R.T. -0.006 min  
Lab File: VN088407.D  
Acq: 02 Dec 2025 13:56

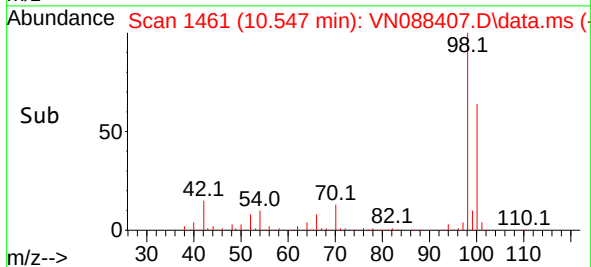
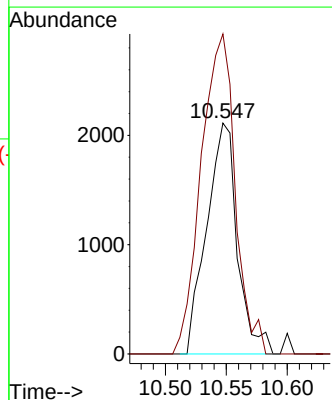
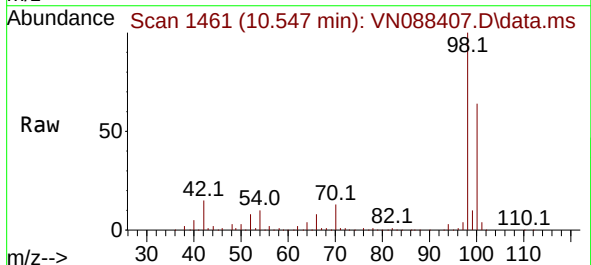
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 98 Resp: 589425  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.2 78.2

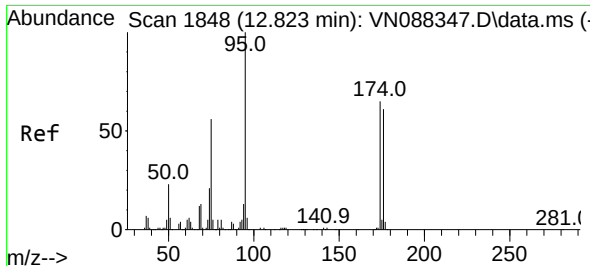


#51  
4-Methyl-2-Pentanone  
Concen: 0.609 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.124 min  
Lab File: VN088407.D  
Acq: 02 Dec 2025 13:56

Tgt Ion: 43 Resp: 3699  
Ion Ratio Lower Upper  
43 100  
58 153.5 29.1 43.7#



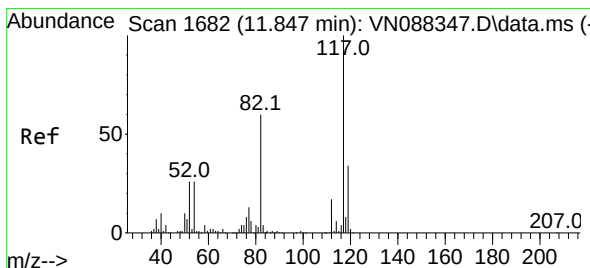
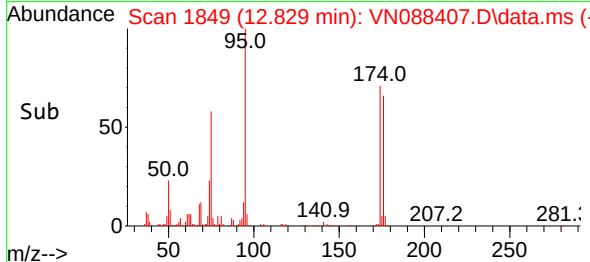
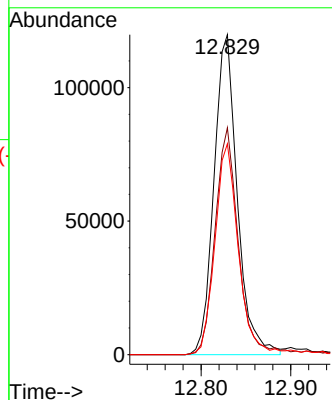
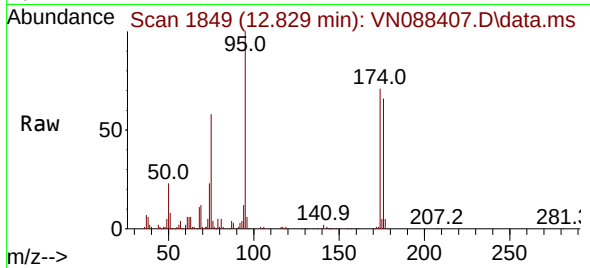




#62  
4-Bromofluorobenzene  
Concen: 50.992 ug/l  
RT: 12.829 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN088407.D  
Acq: 02 Dec 2025 13:56

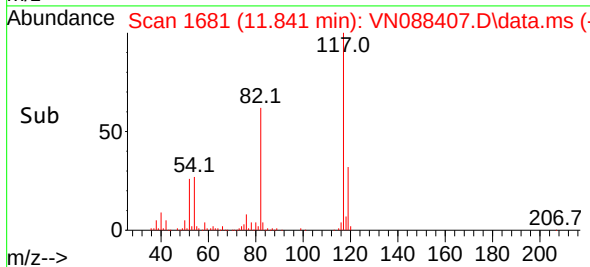
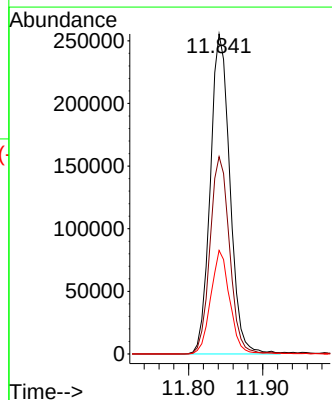
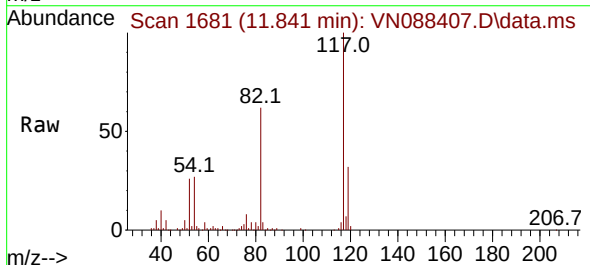
Instrument :  
MSVOA\_N  
ClientSampleId :

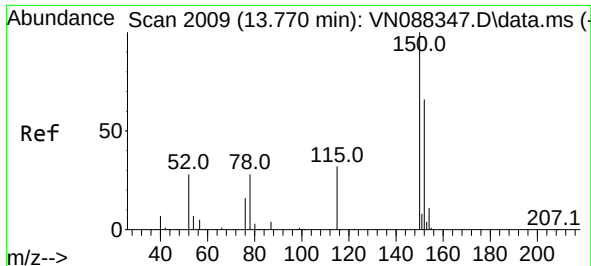
Tgt Ion: 95 Resp: 216198  
Ion Ratio Lower Upper  
95 100  
174 70.7 0.0 139.0  
176 67.7 0.0 132.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 1681  
Delta R.T. -0.006 min  
Lab File: VN088407.D  
Acq: 02 Dec 2025 13:56

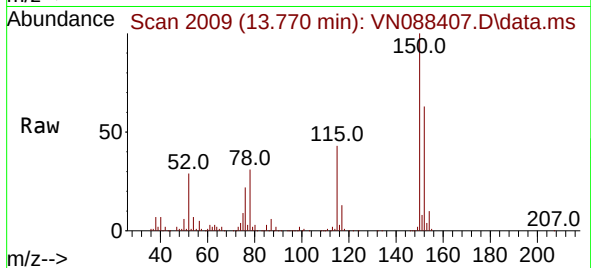
Tgt Ion: 117 Resp: 469753  
Ion Ratio Lower Upper  
117 100  
82 61.6 47.8 71.8  
119 32.3 26.9 40.3



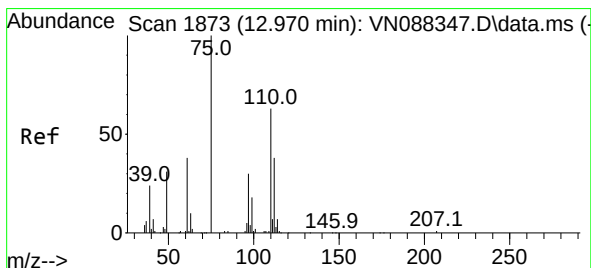
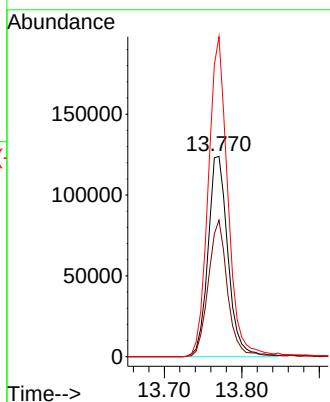
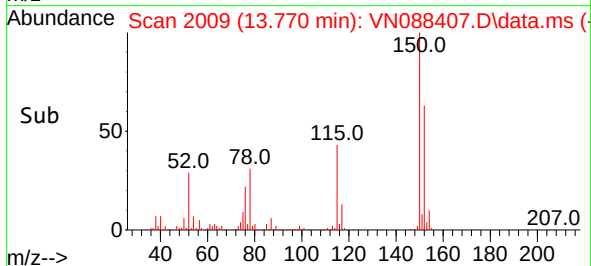


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.770 min Scan# 2009  
 Delta R.T. 0.000 min  
 Lab File: VN088407.D  
 Acq: 02 Dec 2025 13:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :

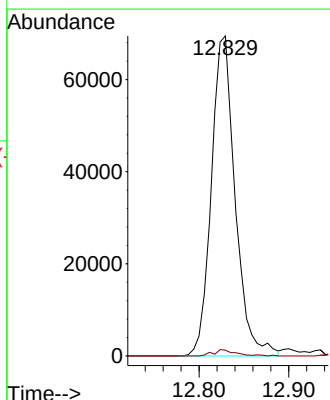
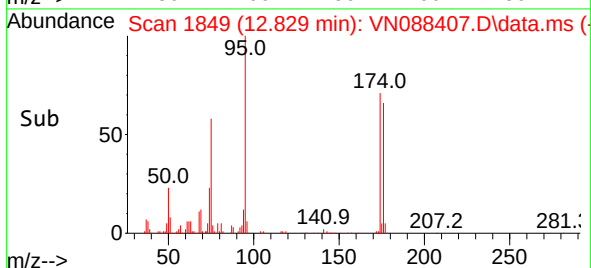
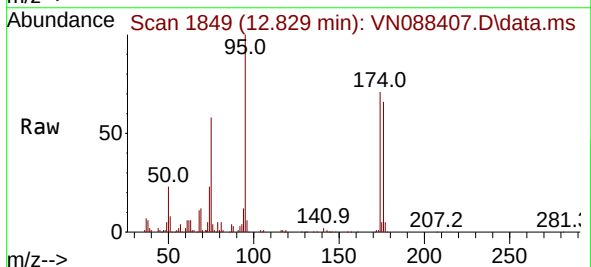


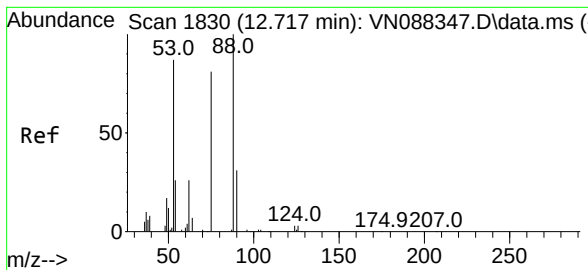
Tgt Ion:152 Resp: 222144  
 Ion Ratio Lower Upper  
 152 100  
 115 65.8 33.0 98.9  
 150 158.0 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 24.592 ug/l  
 RT: 12.829 min Scan# 1849  
 Delta R.T. -0.141 min  
 Lab File: VN088407.D  
 Acq: 02 Dec 2025 13:56

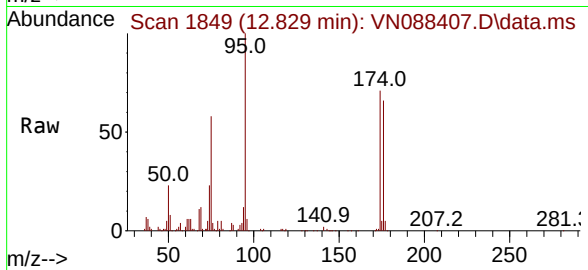
Tgt Ion: 75 Resp: 127951  
 Ion Ratio Lower Upper  
 75 100  
 77 1.9 87.2 261.6#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 69.765 ug/l  
 RT: 12.829 min Scan# 11  
 Delta R.T. 0.112 min  
 Lab File: VN088407.D  
 Acq: 02 Dec 2025 13:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion: 75 Resp: 127951  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 92.2 138.4#  
 89 0.0 0.0 0.0

