

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112525\  
 Data File : VN088357.D  
 Acq On : 25 Nov 2025 13:04  
 Operator : JC\MD  
 Sample : Q3530-07 2.5PPB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Nov 26 00:34:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N111325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 14 00:49:21 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Bromochloromethane        | 7.800  | 128   | 52303    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.083  | 114   | 280890   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.841 | 117   | 247701   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.559  | 65    | 138550   | 29.000   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =      | 96.667%  |
| 60) 4-Bromofluorobenzene     | 12.829 | 95    | 110347   | 26.353   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =      | 87.833%  |
| 63) Toluene-d8               | 10.547 | 98    | 354740   | 30.250   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =      | 100.833% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142  | 85    | 7950     | 2.162    | ug/l   | 90       |
| 3) Chloromethane             | 2.383  | 50    | 11340    | 2.992    | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.536  | 62    | 10361    | 2.585    | ug/l   | 93       |
| 5) Bromomethane              | 2.983  | 94    | 6440     | 3.013    | ug/l   | 97       |
| 6) Chloroethane              | 3.142  | 64    | 6844     | 2.762    | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.518  | 101   | 15291    | 2.721    | ug/l   | 94       |
| 8) Diethyl Ether             | 3.959  | 74    | 6098     | 2.903    | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 6406     | 2.173    | ug/l   | 83       |
| 10) 1,1-Dichloroethene       | 4.336  | 96    | 6334     | 2.202    | ug/l   | 93       |
| 11) Methyl Iodide            | 4.583  | 142   | 5078     | 1.659    | ug/l   | 91       |
| 12) Methyl Acetate           | 5.012  | 43    | 9387     | 2.023    | ug/l # | 86       |
| 13) Acrolein                 | 4.183  | 56    | 10807    | 15.831   | ug/l # | 71       |
| 14) Acrylonitrile            | 5.706  | 53    | 29727    | 14.100   | ug/l   | 88       |
| 15) Acetone                  | 4.424  | 58    | 3865     | 6.269    | ug/l # | 63       |
| 16) Carbon Disulfide         | 4.706  | 76    | 28334    | 2.921    | ug/l # | 94       |
| 17) Allyl chloride           | 5.024  | 41    | 15415    | 2.758    | ug/l   | 84       |
| 18) Methylene Chloride       | 5.259  | 84    | 5402     | 1.511    | ug/l # | 91       |
| 19) trans-1,2-Dichloroethene | 5.777  | 96    | 8733     | 2.608    | ug/l # | 89       |
| 20) Diisopropyl ether        | 6.659  | 45    | 30801    | 2.579    | ug/l # | 99       |
| 21) 1,1-Dichloroethane       | 6.553  | 63    | 18564    | 2.759    | ug/l   | 97       |
| 22) cis-1,2-Dichloroethene   | 7.471  | 96    | 10279    | 2.641    | ug/l   | 96       |
| 23) tert-Butyl Alcohol       | 5.512  | 59    | 2621     | 3.381    | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.783  | 73    | 17402    | 1.501    | ug/l # | 55       |
| 25) Chloroform               | 7.947  | 83    | 12112    | 1.817    | ug/l   | 98       |
| 26) Cyclohexane              | 8.242  | 56    | 14649    | 2.578    | ug/l # | 95       |
| 29) 1,1-Dichloropropene      | 8.347  | 75    | 11730    | 2.503    | ug/l   | 84       |
| 30) 2-Butanone               | 7.471  | 43    | 34312    | 11.318   | ug/l # | 96       |
| 31) 2,2-Dichloropropane      | 7.471  | 77    | 14984    | 2.592    | ug/l # | 73       |
| 32) 1,1,1-Trichloroethane    | 8.153  | 97    | 16068    | 2.781    | ug/l # | 79       |
| 33) Carbon Tetrachloride     | 8.342  | 117   | 13120    | 2.659    | ug/l   | 93       |
| 34) Benzene                  | 8.583  | 78    | 39915    | 2.849    | ug/l # | 60       |
| 35) Methacrylonitrile        | 7.765  | 41    | 8222     | 2.600    | ug/l   | 95       |
| 36) 1,2-Dichloroethane       | 8.653  | 62    | 16051    | 2.944    | ug/l   | 97       |
| 37) Trichloroethene          | 9.336  | 130   | 9702     | 3.056    | ug/l   | 93       |
| 38) Methylcyclohexane        | 9.583  | 83    | 13202    | 2.457    | ug/l   | 98       |
| 39) 1,2-Dichloropropane      | 9.600  | 63    | 9643     | 2.668    | ug/l # | 88       |
| 40) Dibromomethane           | 9.688  | 93    | 8022     | 3.089    | ug/l   | 98       |
| 41) Bromodichloromethane     | 9.871  | 83    | 14117    | 2.700    | ug/l   | 97       |
| 42) Vinyl Acetate            | 6.589  | 43    | 121362   | 11.994   | ug/l   | 100      |

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 Sample : Q3530-07 2.5PPB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

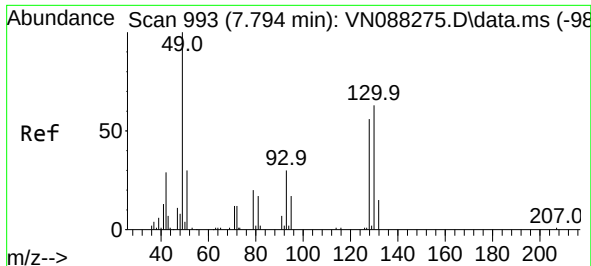
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Nov 26 00:34:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N111325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 14 00:49:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 43) Ethyl Acetate             | 7.553  | 43   | 17071    | 2.799  | ug/l   | 98       |
| 44) Isopropyl Acetate         | 8.671  | 43   | 25147    | 2.675  | ug/l   | 100      |
| 45) 1,4-Dioxane               | 9.688  | 88   | 2534     | 44.762 | ug/l # | 67       |
| 46) Methyl methacrylate       | 9.665  | 41   | 10983    | 2.497  | ug/l   | 94       |
| 47) n-amyl Acetate            | 12.677 | 43   | 1767     | 0.371  | ug/l # | 100      |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 13600    | 2.432  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene   | 10.288 | 75   | 15330    | 2.635  | ug/l # | 84       |
| 50) 1,1,2-Trichloroethane     | 10.994 | 97   | 9393     | 2.925  | ug/l   | 95       |
| 51) Ethyl methacrylate        | 10.853 | 69   | 10841    | 2.052  | ug/l   | 91       |
| 52) 1,3-Dichloropropane       | 11.141 | 76   | 16147    | 2.761  | ug/l   | 100      |
| 53) Dibromochloromethane      | 11.341 | 129  | 10374    | 2.813  | ug/l   | 94       |
| 54) 1,2-Dibromoethane         | 11.453 | 107  | 9665     | 2.897  | ug/l   | 86       |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 29011    | 9.533  | ug/l   | 97       |
| 56) Bromoform                 | 12.559 | 173  | 6262     | 2.682  | ug/l # | 91       |
| 58) 4-Methyl-2-Pentanone      | 10.424 | 43   | 74278    | 13.258 | ug/l   | 100      |
| 59) 2-Hexanone                | 11.183 | 43   | 30369    | 8.163  | ug/l   | 98       |
| 61) Tetrachloroethene         | 11.083 | 164  | 9014     | 3.530  | ug/l   | 94       |
| 62) Toluene                   | 10.612 | 91   | 41224    | 2.900  | ug/l   | 100      |
| 64) Chlorobenzene             | 11.871 | 112  | 24114    | 2.739  | ug/l   | 94       |
| 65) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 8747     | 2.903  | ug/l   | 94       |
| 66) Ethyl Benzene             | 11.941 | 91   | 39680    | 2.533  | ug/l   | 95       |
| 67) m/p-Xylenes               | 12.047 | 106  | 28266    | 4.825  | ug/l   | 96       |
| 68) o-Xylene                  | 12.377 | 106  | 13283    | 2.403  | ug/l   | 99       |
| 69) Styrene                   | 12.394 | 104  | 21163    | 2.255  | ug/l   | 95       |
| 70) Isopropylbenzene          | 12.677 | 105  | 32937    | 2.249  | ug/l   | 97       |
| 71) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 12153    | 2.562  | ug/l   | 92       |
| 72) 1,2,3-Trichloropropane    | 12.977 | 75   | 17753    | 3.862  | ug/l   | 47       |
| 73) Bromobenzene              | 12.959 | 156  | 8457     | 2.558  | ug/l   | 96       |
| 74) n-propylbenzene           | 13.012 | 91   | 43303    | 2.389  | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 29745    | 2.699  | ug/l   | 97       |
| 76) 1,3,5-Trimethylbenzene    | 13.147 | 105  | 27983    | 2.276  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.724 | 75   | 2745     | 1.739  | ug/l   | 78       |
| 78) 4-Chlorotoluene           | 13.206 | 91   | 24034    | 2.152  | ug/l   | 89       |
| 79) tert-butylbenzene         | 13.418 | 119  | 23860    | 2.267  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene    | 13.465 | 105  | 25960    | 2.123  | ug/l   | 95       |
| 81) sec-Butylbenzene          | 13.594 | 105  | 35198    | 2.293  | ug/l   | 97       |
| 82) p-Isopropyltoluene        | 13.706 | 119  | 26651    | 2.101  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.718 | 146  | 16552    | 2.576  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 13.794 | 146  | 16236    | 2.495  | ug/l   | 95       |
| 85) n-Butylbenzene            | 14.035 | 91   | 25140    | 2.079  | ug/l   | 98       |
| 86) Hexachloroethane          | 14.312 | 117  | 5519     | 2.272  | ug/l   | 94       |
| 87) 1,2-Dichlorobenzene       | 14.088 | 146  | 15009    | 2.475  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.688 | 75   | 1354     | 1.214  | ug/l # | 24       |
| 89) 1,2,4-Trichlorobenzene    | 15.818 | 180  | 8611     | 2.530  | ug/l   | 97       |
| 90) Hexachlorobutadiene       | 15.482 | 225  | 1765     | 1.336  | ug/l   | 53       |
| 91) Naphthalene               | 15.618 | 128  | 26691    | 2.168  | ug/l   | 97       |
| 92) 1,2,3-Trichlorobenzene    | 15.818 | 180  | 8611     | 2.530  | ug/l   | 97       |

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

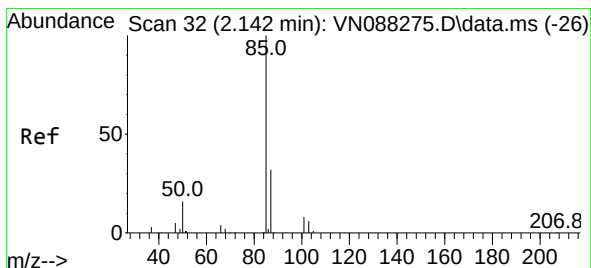
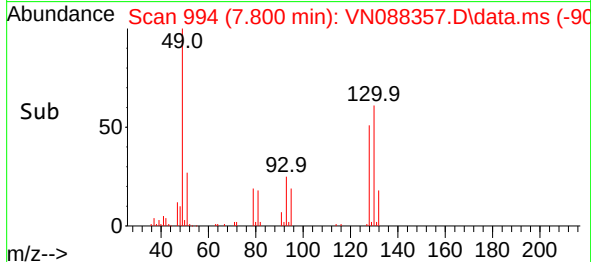
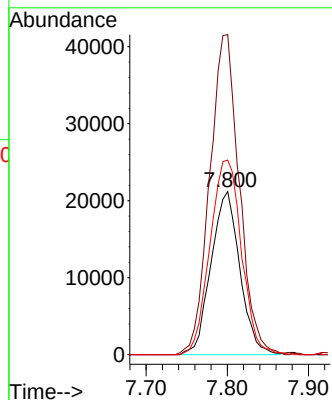
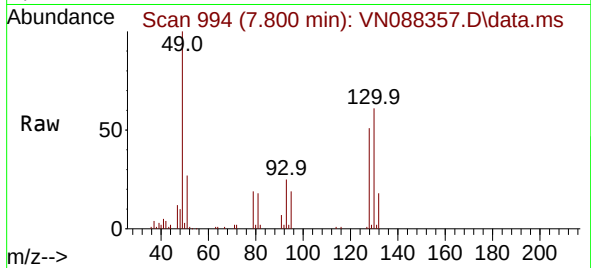




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.800 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

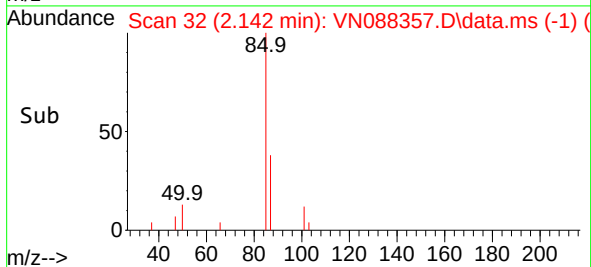
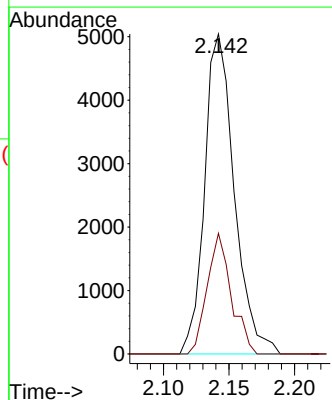
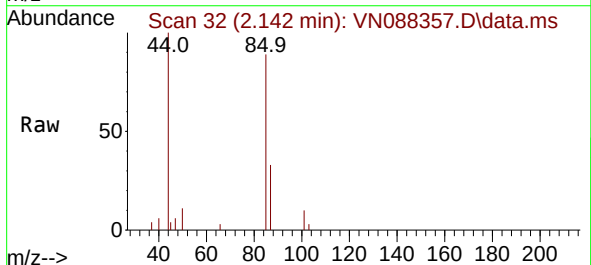
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

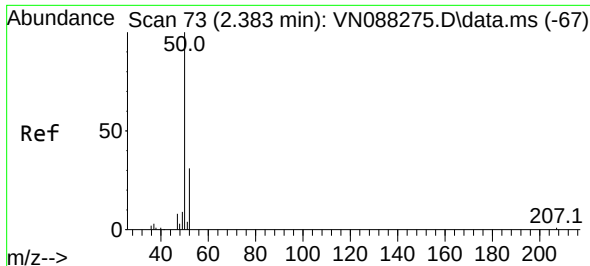
Tgt Ion:128 Resp: 52303  
Ion Ratio Lower Upper  
128 100  
49 201.3 0.0 501.2  
130 130.7 0.0 320.2



#2  
Dichlorodifluoromethane  
Concen: 2.162 ug/l  
RT: 2.142 min Scan# 32  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 85 Resp: 7950  
Ion Ratio Lower Upper  
85 100  
87 37.7 16.0 48.0

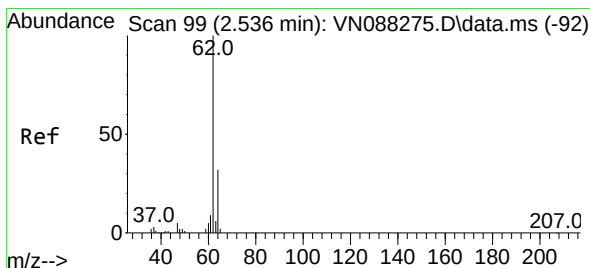
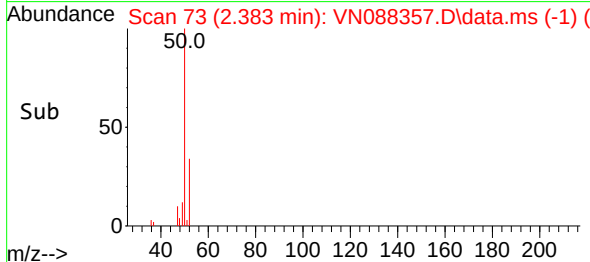
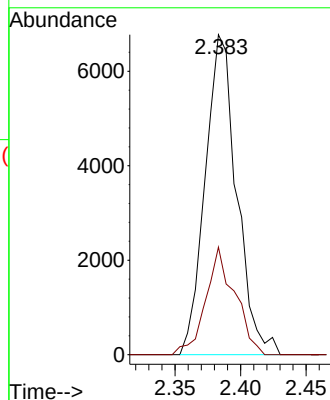
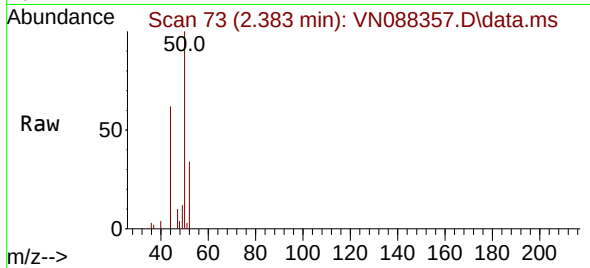




#3  
Chloromethane  
Concen: 2.992 ug/l  
RT: 2.383 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

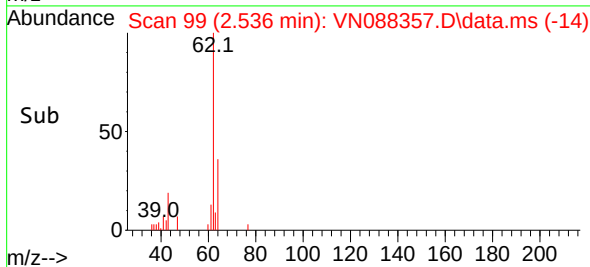
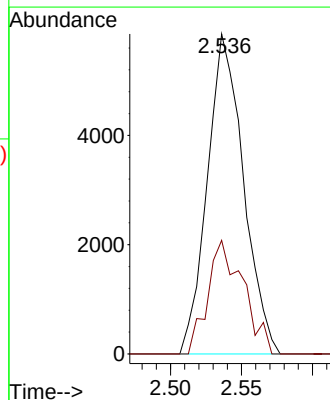
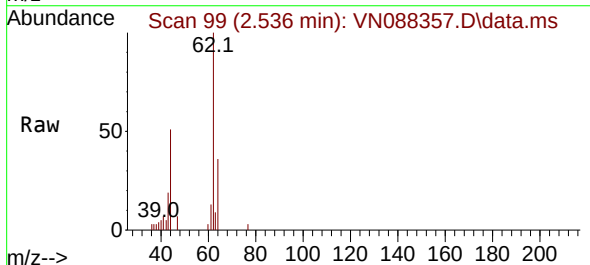
Instrument :  
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ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

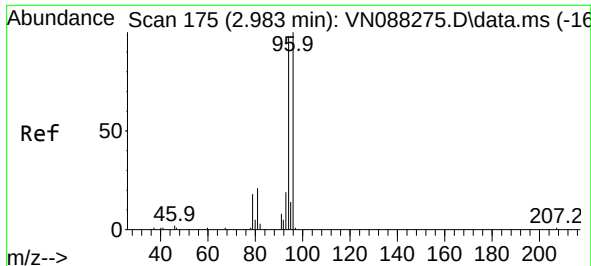
Tgt Ion: 50 Resp: 11340  
Ion Ratio Lower Upper  
50 100  
52 33.6 24.6 36.8



#4  
Vinyl Chloride  
Concen: 2.585 ug/l  
RT: 2.536 min Scan# 99  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 62 Resp: 10361  
Ion Ratio Lower Upper  
62 100  
64 35.5 25.4 38.2

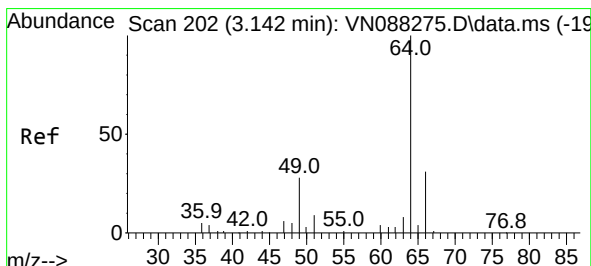
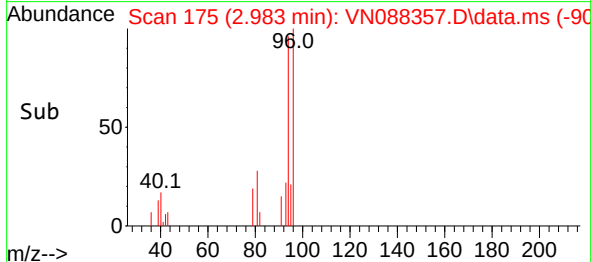
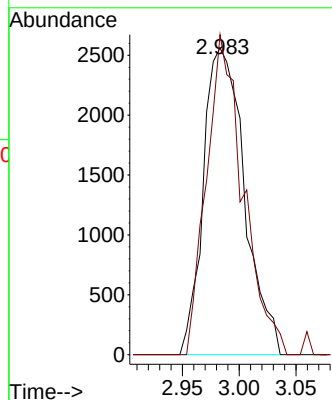
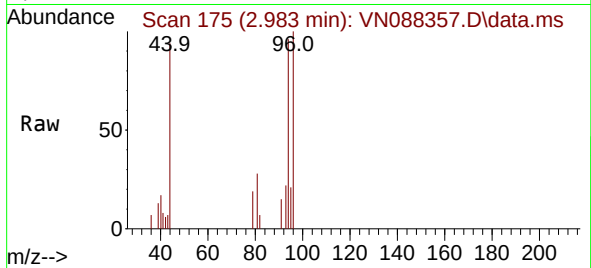




#5  
Bromomethane  
Concen: 3.013 ug/l  
RT: 2.983 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

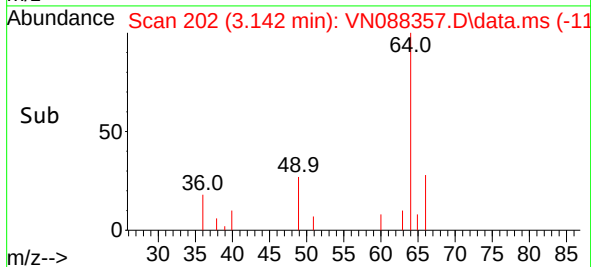
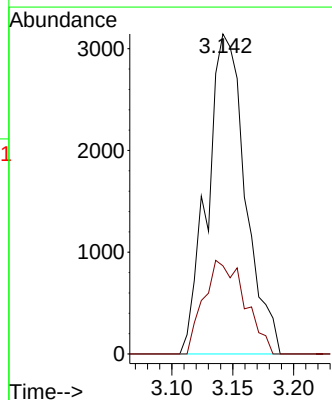
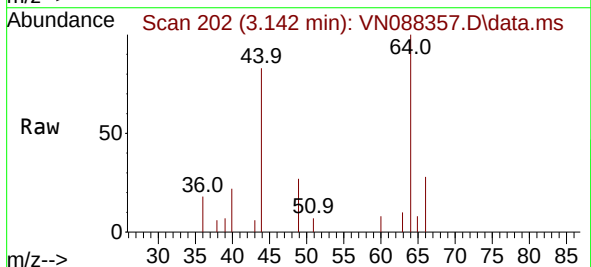
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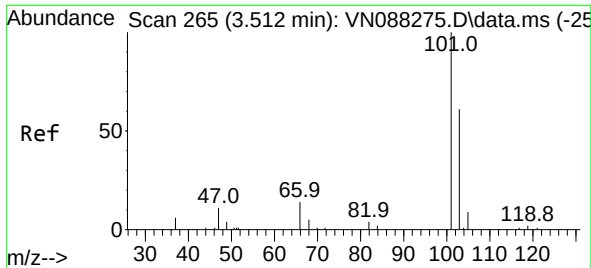
Tgt Ion: 94 Resp: 6440  
Ion Ratio Lower Upper  
94 100  
96 104.3 81.3 121.9



#6  
Chloroethane  
Concen: 2.762 ug/l  
RT: 3.142 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 64 Resp: 6844  
Ion Ratio Lower Upper  
64 100  
66 27.6 24.7 37.1

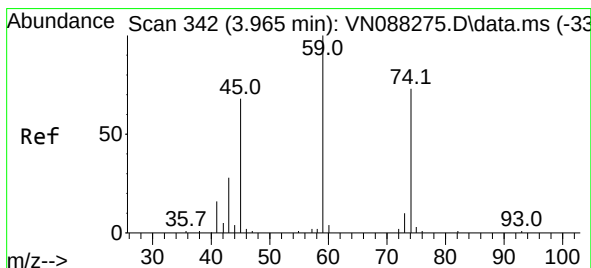
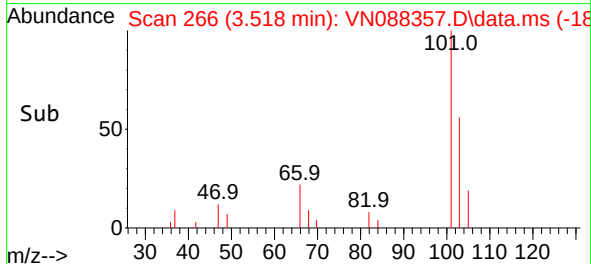
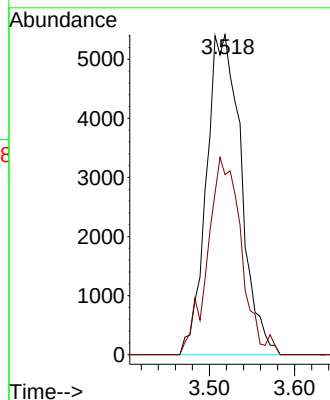
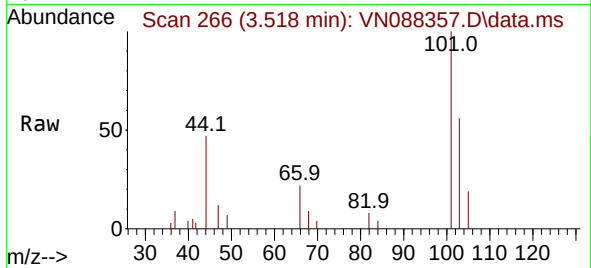




#7  
 Trichlorofluoromethane  
 Concen: 2.721 ug/l  
 RT: 3.518 min Scan# 201  
 Delta R.T. 0.006 min  
 Lab File: VN088357.D  
 Acq: 25 Nov 2025 13:04

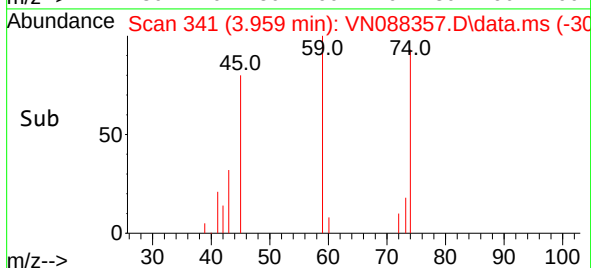
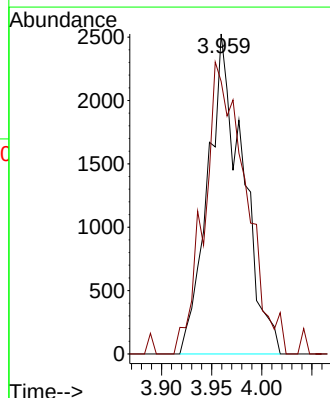
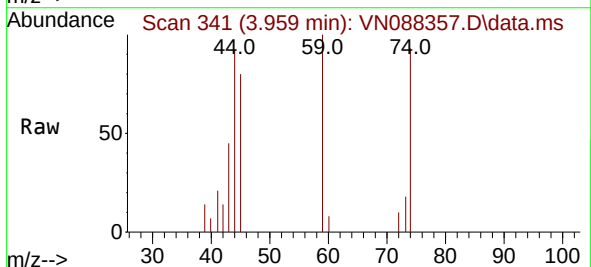
Instrument :  
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 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2025

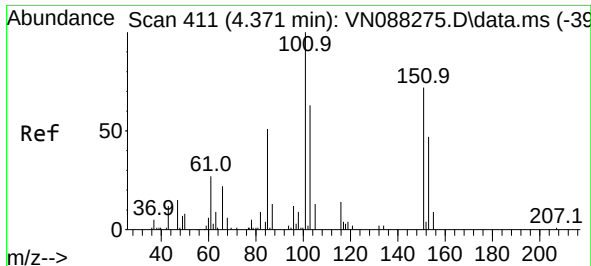
Tgt Ion:101 Resp: 15291  
 Ion Ratio Lower Upper  
 101 100  
 103 56.3 48.6 73.0



#8  
 Diethyl Ether  
 Concen: 2.903 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. -0.006 min  
 Lab File: VN088357.D  
 Acq: 25 Nov 2025 13:04

Tgt Ion: 74 Resp: 6098  
 Ion Ratio Lower Upper  
 74 100  
 45 106.8 20.9 187.7

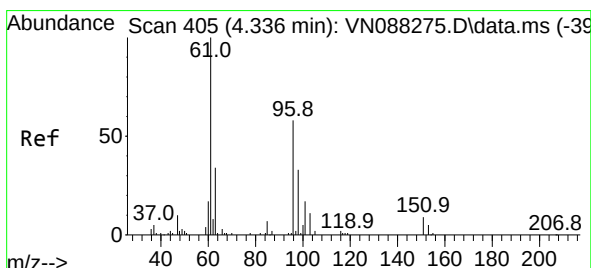
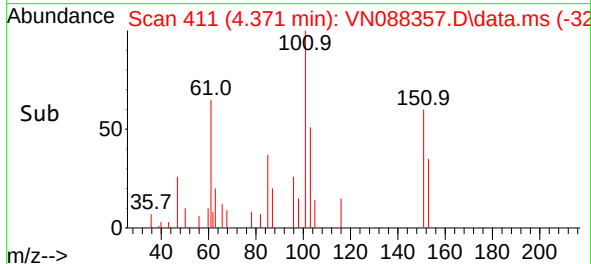
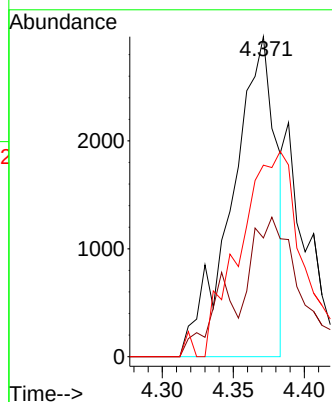
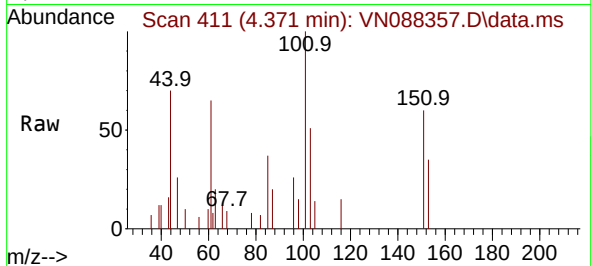




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 2.173 ug/l  
 RT: 4.371 min Scan# 411  
 Delta R.T. 0.000 min  
 Lab File: VN088357.D  
 Acq: 25 Nov 2025 13:04

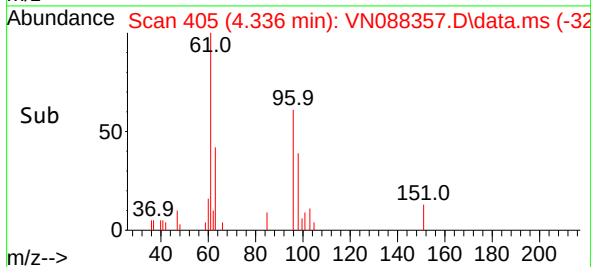
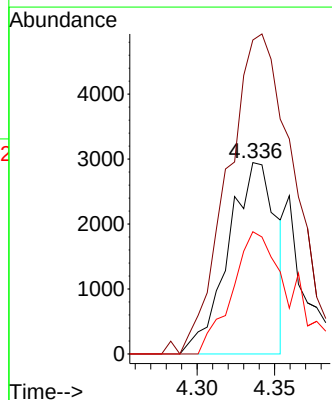
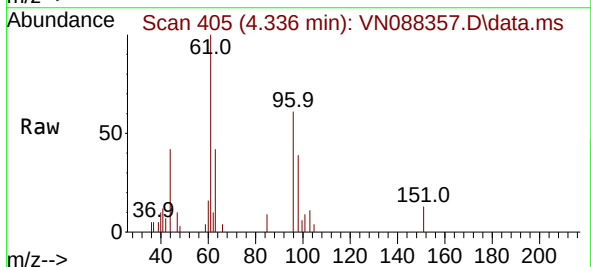
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2025

Tgt Ion:101 Resp: 6406  
 Ion Ratio Lower Upper  
 101 100  
 85 47.6 0.0 100.8  
 151 90.2 0.0 138.4

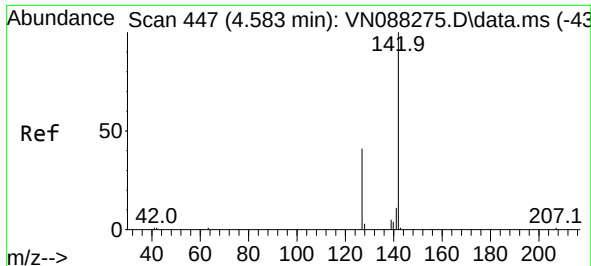


#10  
 1,1-Dichloroethene  
 Concen: 2.202 ug/l  
 RT: 4.336 min Scan# 405  
 Delta R.T. 0.000 min  
 Lab File: VN088357.D  
 Acq: 25 Nov 2025 13:04

Tgt Ion: 96 Resp: 6334  
 Ion Ratio Lower Upper  
 96 100  
 61 164.0 137.8 206.8  
 98 63.8 45.6 68.4



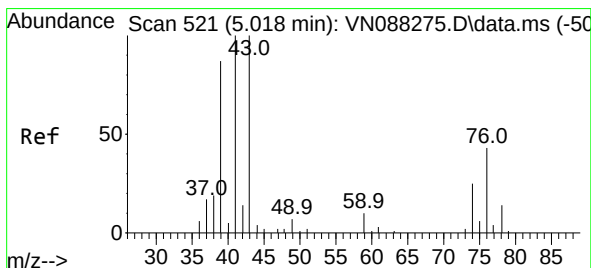
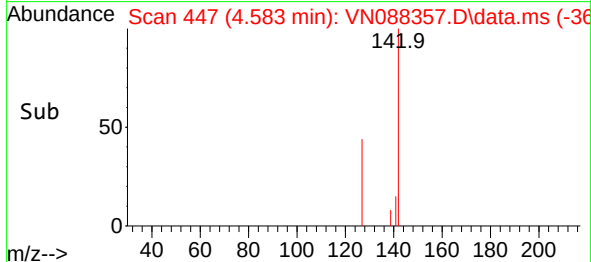
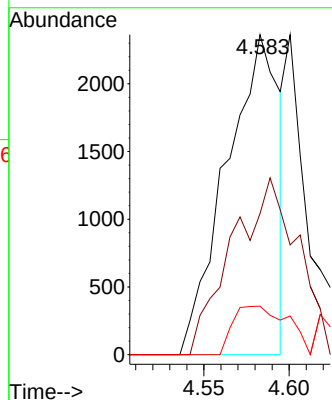
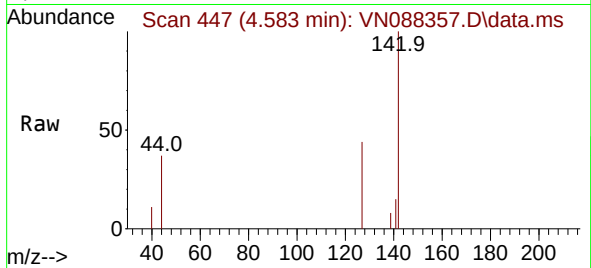




#11  
Methyl Iodide  
Concen: 1.659 ug/l  
RT: 4.583 min Scan# 447  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

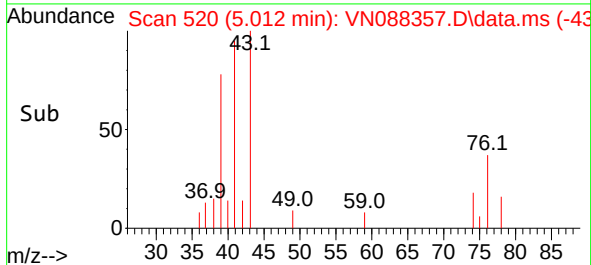
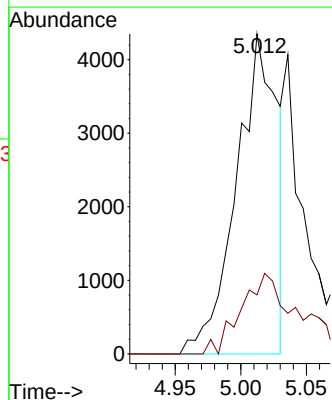
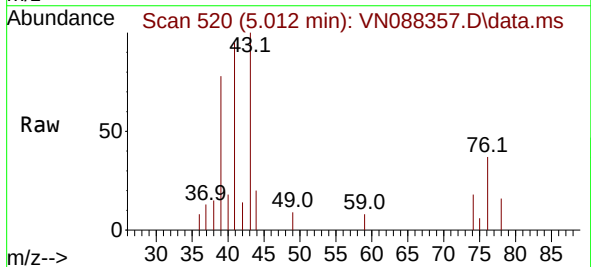
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

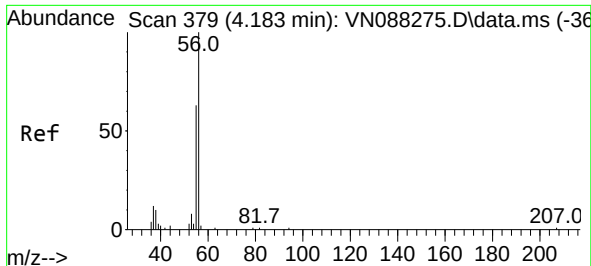
Tgt Ion:142 Resp: 5078  
Ion Ratio Lower Upper  
142 100  
127 36.4 20.4 61.2  
141 16.6 5.6 16.8



#12  
Methyl Acetate  
Concen: 2.023 ug/l  
RT: 5.012 min Scan# 520  
Delta R.T. -0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 43 Resp: 9387  
Ion Ratio Lower Upper  
43 100  
74 17.8 19.8 29.8#

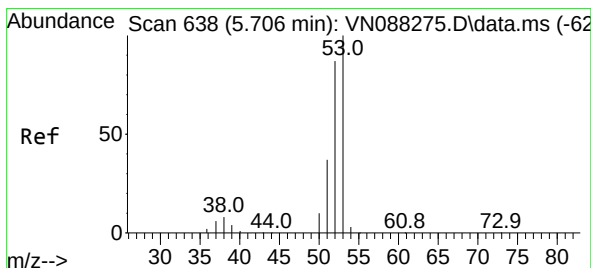
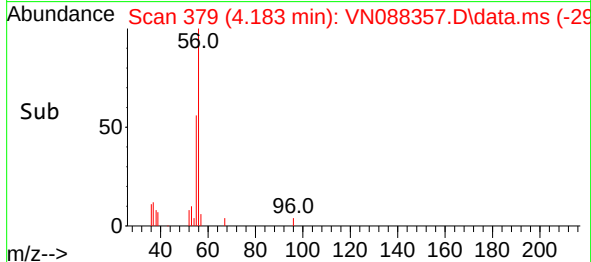
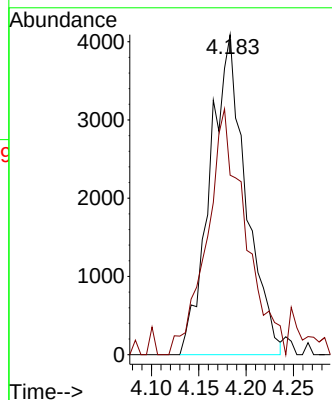
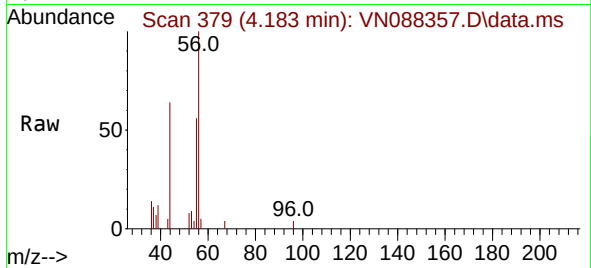




#13  
Acrolein  
Concen: 15.831 ug/l  
RT: 4.183 min Scan# 379  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

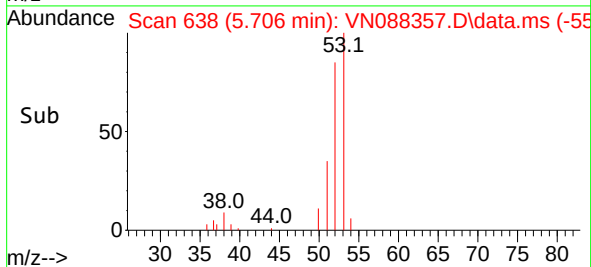
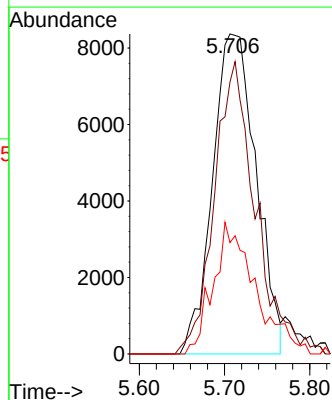
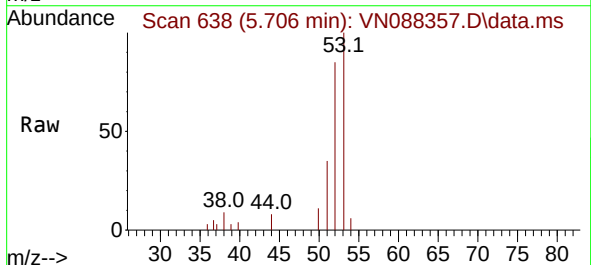
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

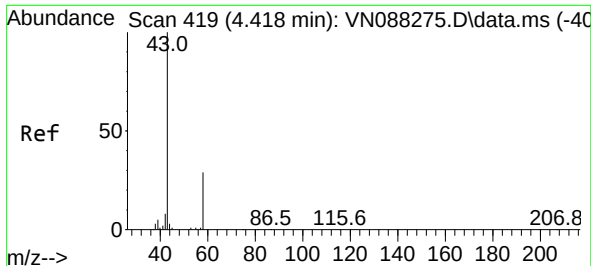
Tgt Ion: 56 Resp: 10807  
Ion Ratio Lower Upper  
56 100  
55 47.9 57.9 86.9#



#14  
Acrylonitrile  
Concen: 14.100 ug/l  
RT: 5.706 min Scan# 638  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 53 Resp: 29727  
Ion Ratio Lower Upper  
53 100  
52 71.0 42.3 126.9  
51 34.3 18.4 55.2

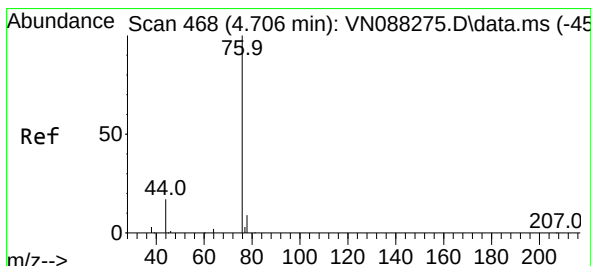
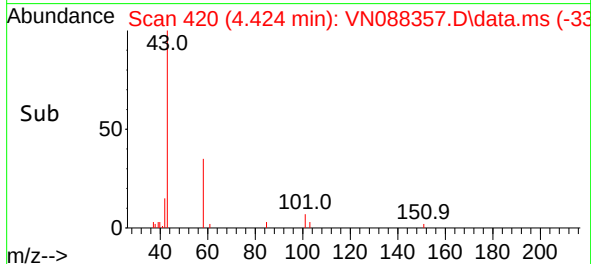
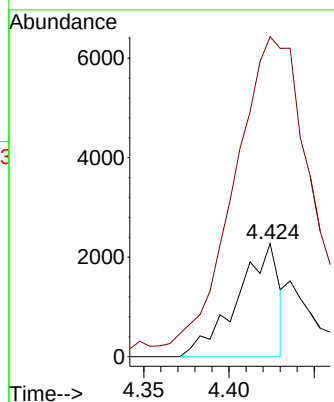
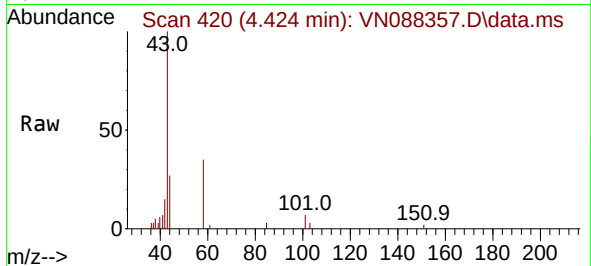




#15  
Acetone  
Concen: 6.269 ug/l  
RT: 4.424 min Scan# 419  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

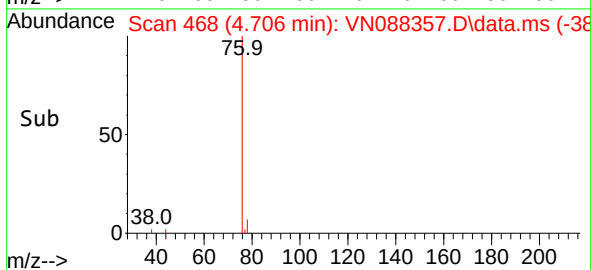
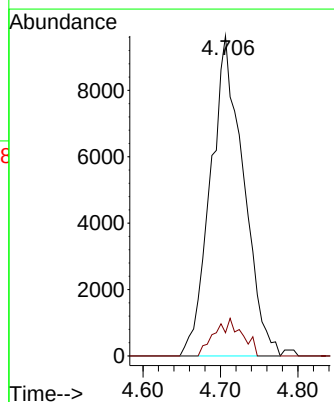
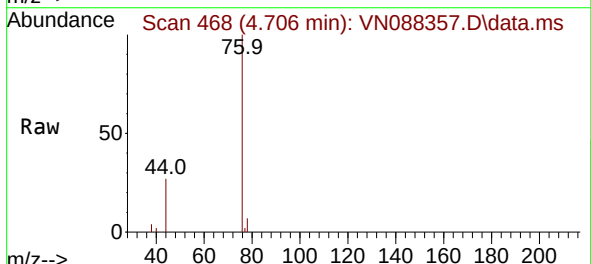
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

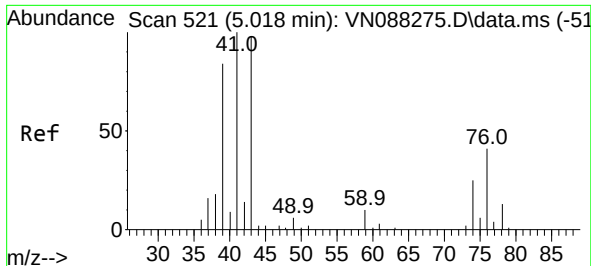
Tgt Ion: 58 Resp: 3865  
Ion Ratio Lower Upper  
58 100  
43 262.4 273.9 410.9#



#16  
Carbon Disulfide  
Concen: 2.921 ug/l  
RT: 4.706 min Scan# 468  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 76 Resp: 28334  
Ion Ratio Lower Upper  
76 100  
78 7.2 7.5 11.3#

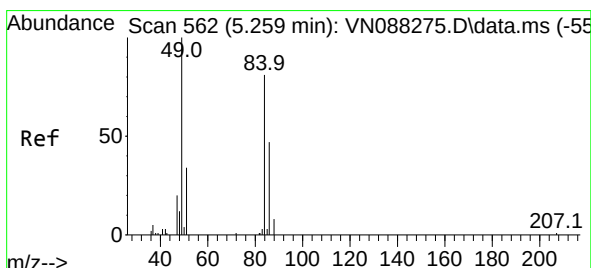
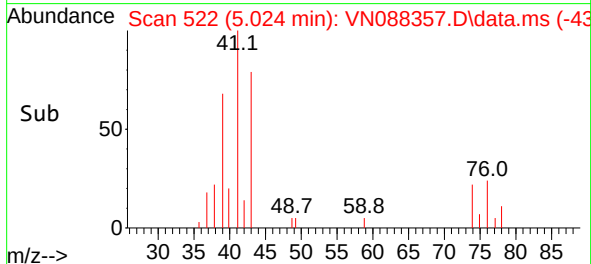
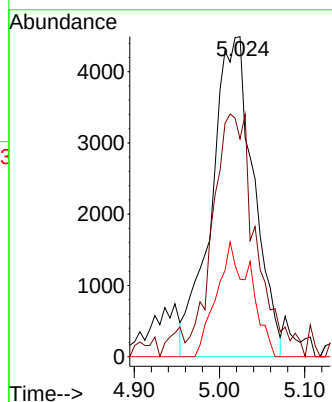
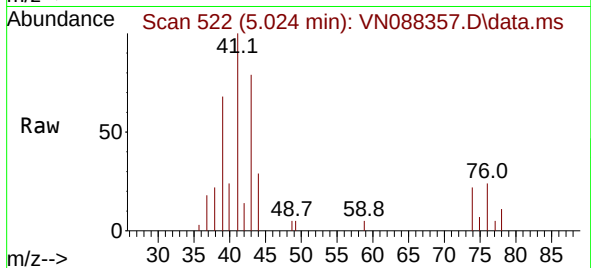




#17  
 Allyl chloride  
 Concen: 2.758 ug/l  
 RT: 5.024 min Scan# 51  
 Delta R.T. 0.006 min  
 Lab File: VN088357.D  
 Acq: 25 Nov 2025 13:04

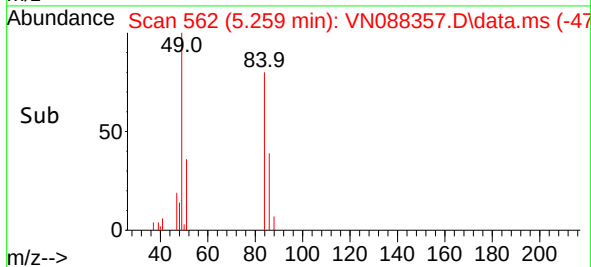
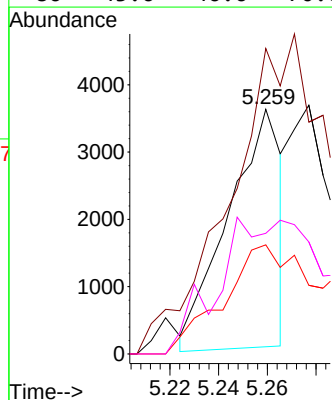
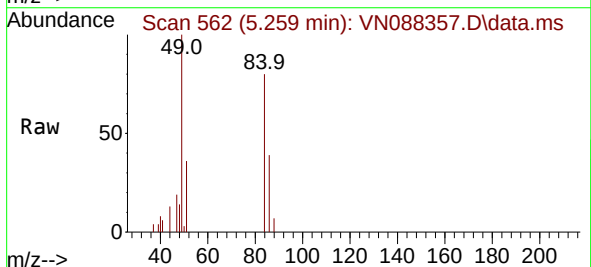
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2025

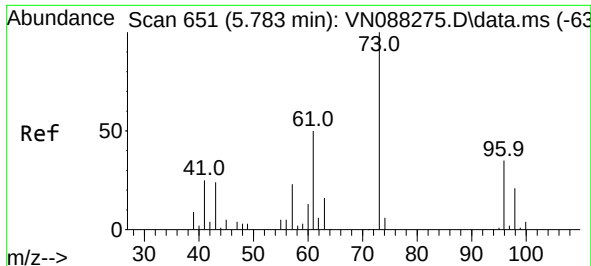
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 15415 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 64.0     | 38.3 114.9  |
| 76 25.7     | 18.5 55.5   |



#18  
 Methylene Chloride  
 Concen: 1.511 ug/l  
 RT: 5.259 min Scan# 562  
 Delta R.T. 0.000 min  
 Lab File: VN088357.D  
 Acq: 25 Nov 2025 13:04

|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 5402  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 115.6    | 98.7 148.1  |
| 51 40.6     | 33.7 50.5   |
| 86 43.6     | 46.6 70.0   |

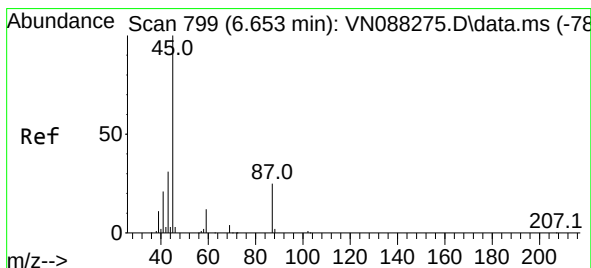
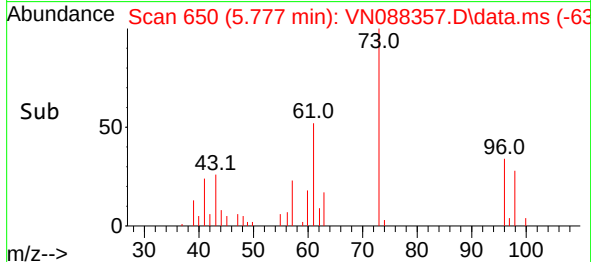
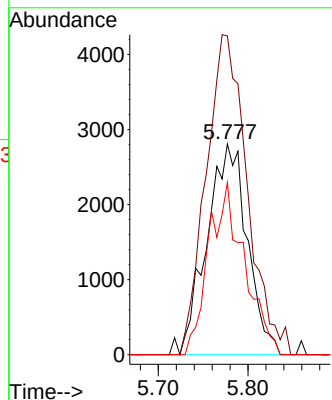
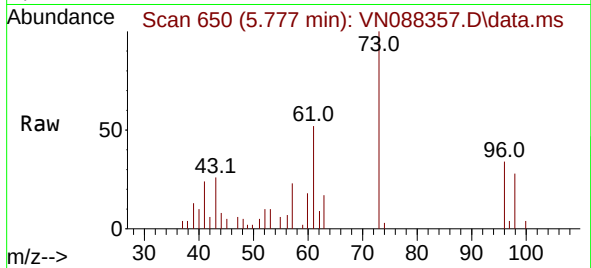




#19  
trans-1,2-Dichloroethene  
Concen: 2.608 ug/l  
RT: 5.777 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

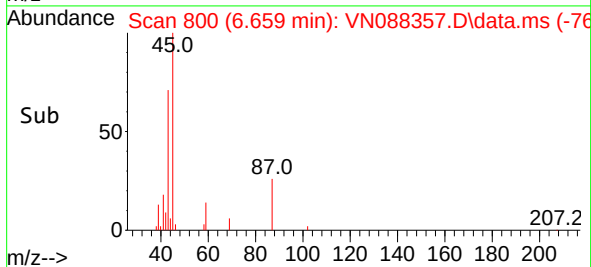
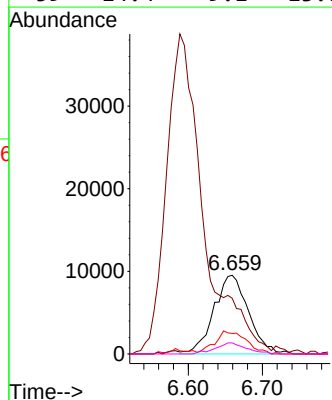
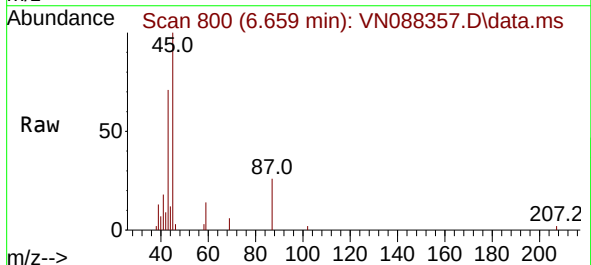
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

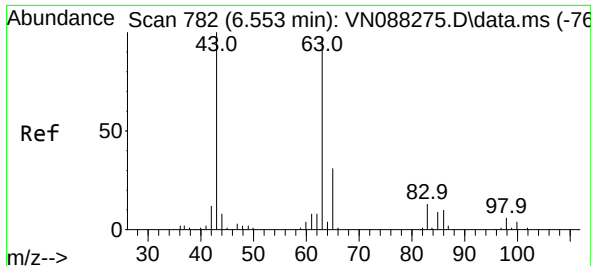
Tgt Ion: 96 Resp: 8733  
Ion Ratio Lower Upper  
96 100  
61 151.3 117.0 175.4  
98 81.7 48.6 72.8#



#20  
Diisopropyl ether  
Concen: 2.579 ug/l  
RT: 6.659 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 45 Resp: 30801  
Ion Ratio Lower Upper  
45 100  
43 64.9 51.9 77.9  
87 26.6 21.1 31.7  
59 14.4 9.1 13.7#

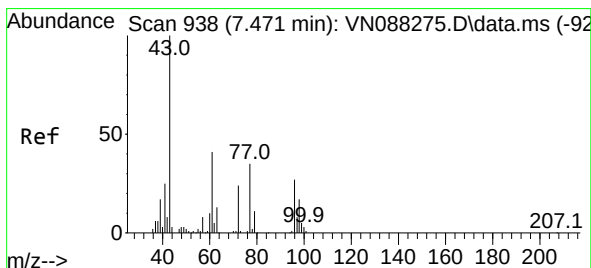
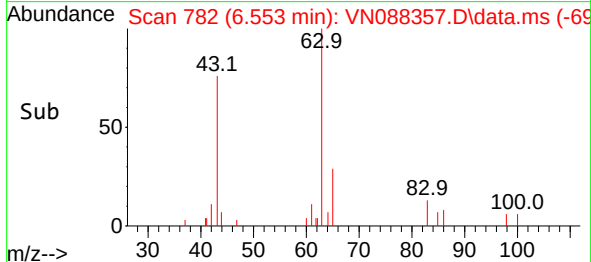
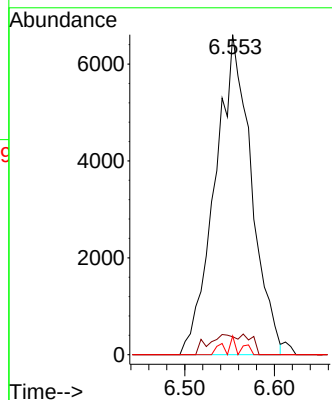
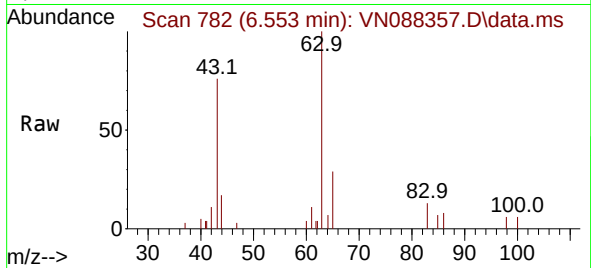




#21  
1,1-Dichloroethane  
Concen: 2.759 ug/l  
RT: 6.553 min Scan# 782  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

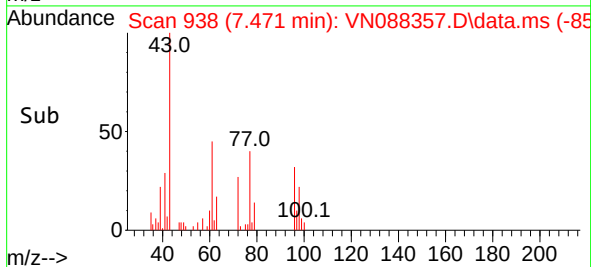
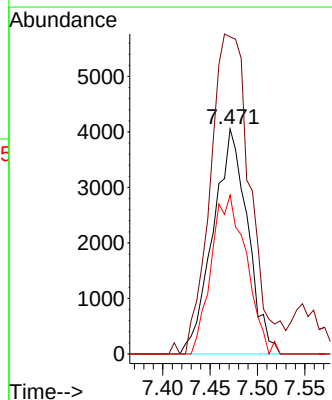
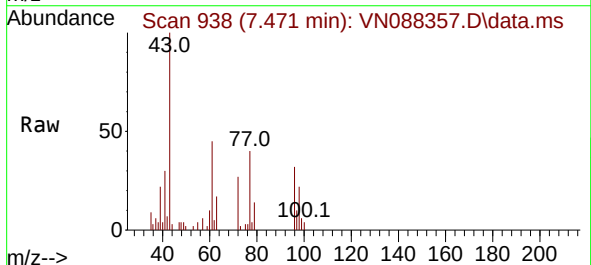
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

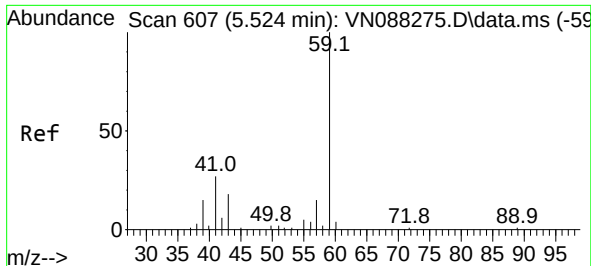
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 18564 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 5.6   | 3.0   | 9.0   |
| 100       | 5.8   | 2.1   | 6.3   |



#22  
cis-1,2-Dichloroethene  
Concen: 2.641 ug/l  
RT: 7.471 min Scan# 938  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 10279 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 161.8 | 131.2 | 196.8 |
| 98        | 70.7  | 51.0  | 76.4  |

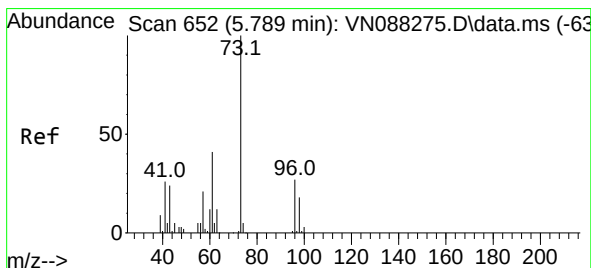
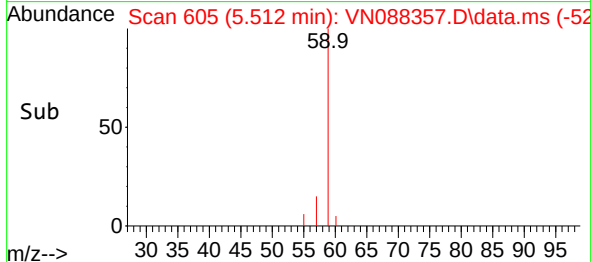
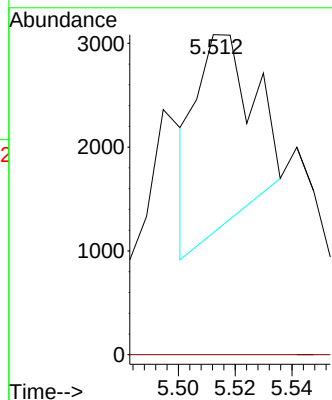
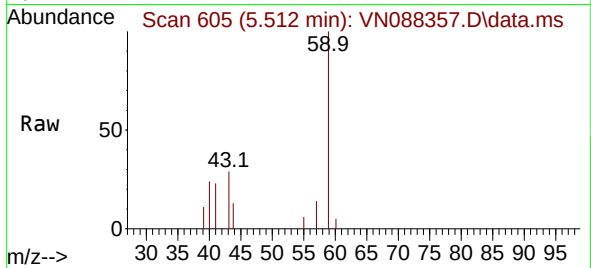




#23  
tert-Butyl Alcohol  
Concen: 3.381 ug/l  
RT: 5.512 min Scan# 607  
Delta R.T. -0.012 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

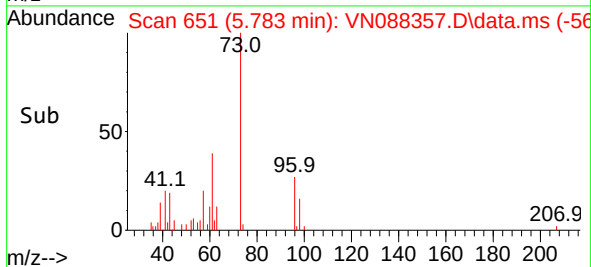
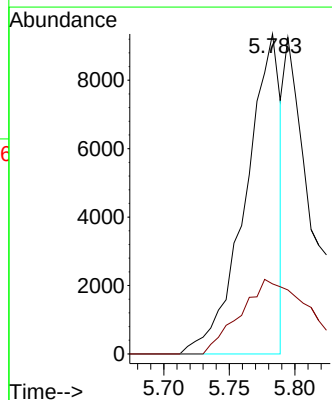
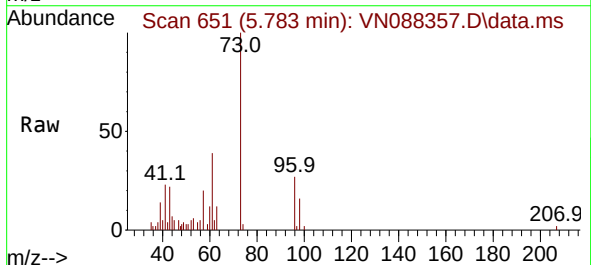
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

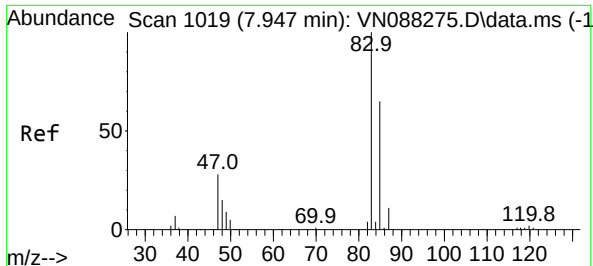
Tgt Ion: 59 Resp: 2621  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 1.501 ug/l  
RT: 5.783 min Scan# 651  
Delta R.T. -0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 73 Resp: 17402  
Ion Ratio Lower Upper  
73 100  
43 45.1 18.5 27.7#





#25

Chloroform

Concen: 1.817 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

Instrument :

MSVOA\_N

ClientSampleId :

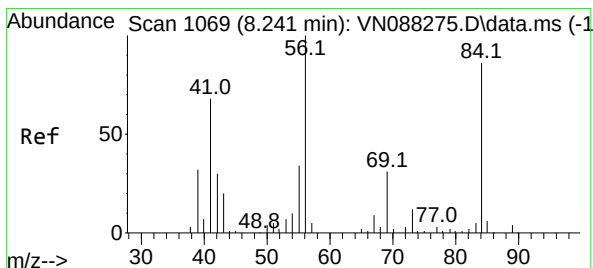
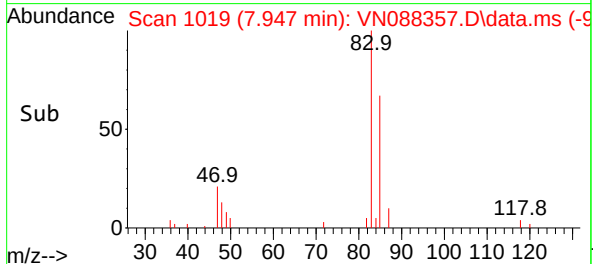
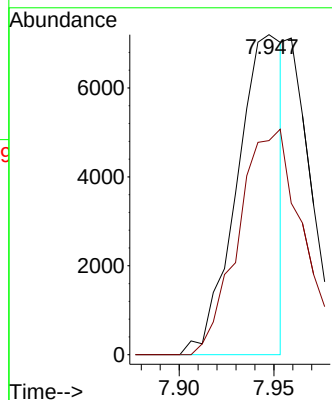
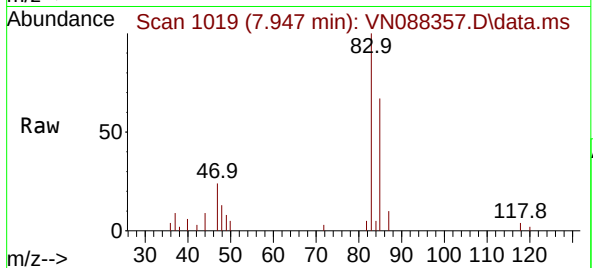
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 83 Resp: 12112

Ion Ratio Lower Upper

83 100

85 66.9 52.2 78.4



#26

Cyclohexane

Concen: 2.578 ug/l

RT: 8.242 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

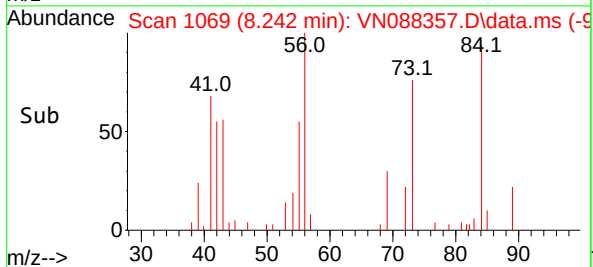
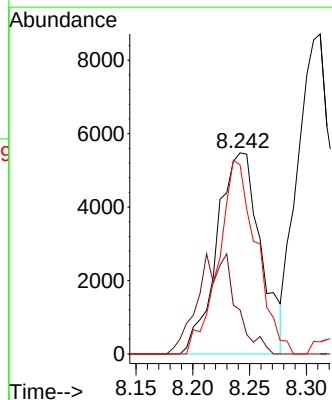
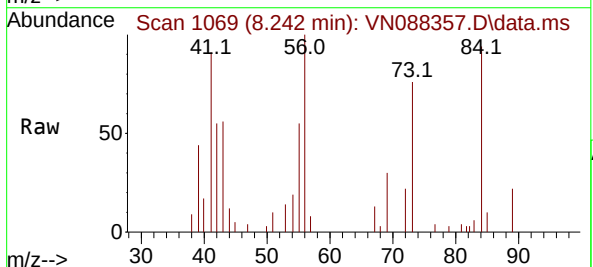
Tgt Ion: 56 Resp: 14649

Ion Ratio Lower Upper

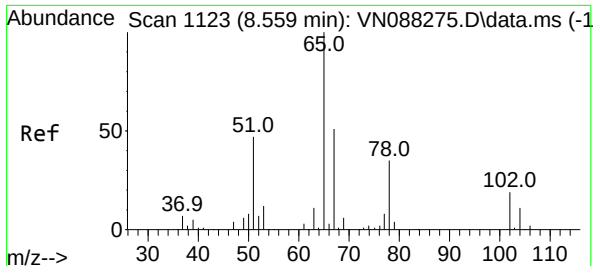
56 100

89 20.5 7.3 10.9#

84 83.1 67.8 101.8







#27

1,2-Dichloroethane-d4

Concen: 29.000 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

Instrument :

MSVOA\_N

ClientSampleId :

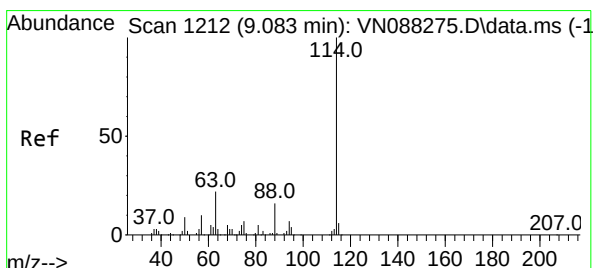
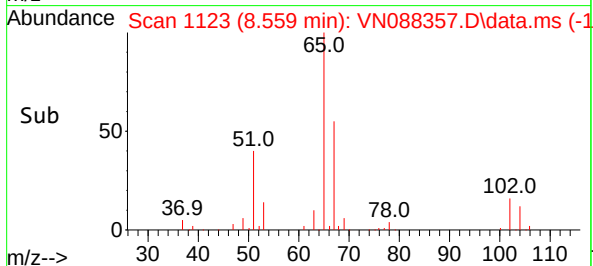
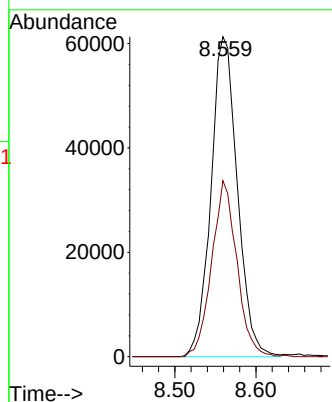
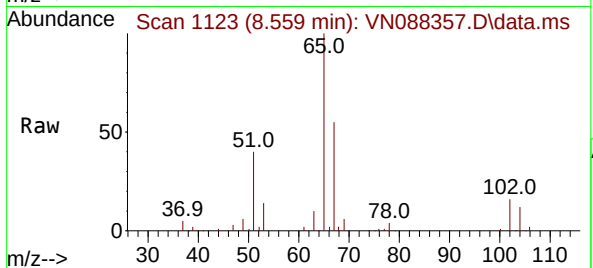
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 65 Resp: 138550

Ion Ratio Lower Upper

65 100

67 52.3 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

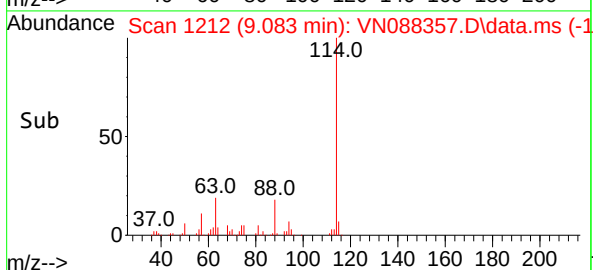
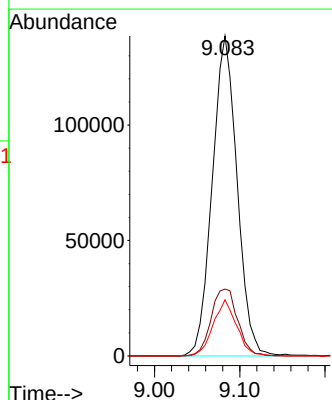
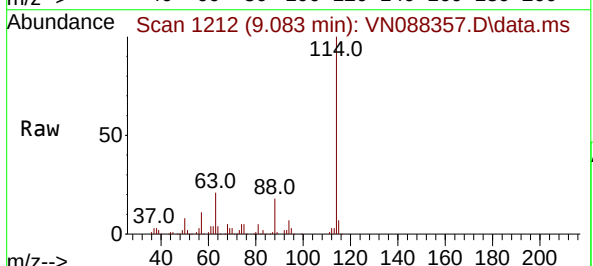
Tgt Ion: 114 Resp: 280890

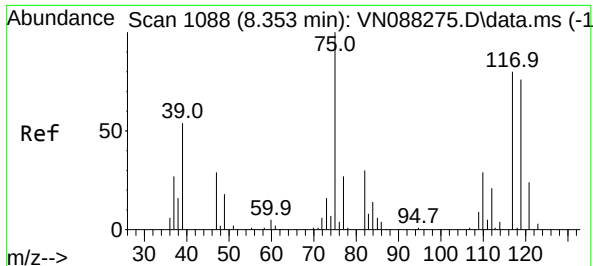
Ion Ratio Lower Upper

114 100

63 22.3 18.9 28.3

88 16.6 12.8 19.2





#29

1,1-Dichloropropene

Concen: 2.503 ug/l

RT: 8.347 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

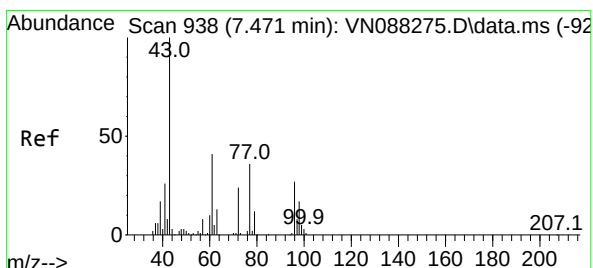
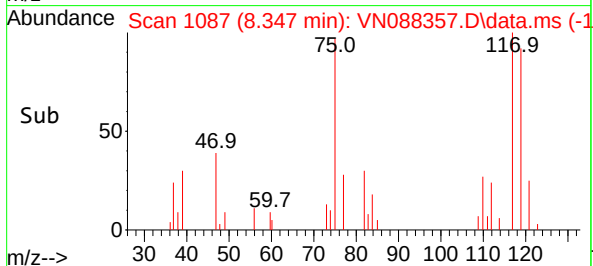
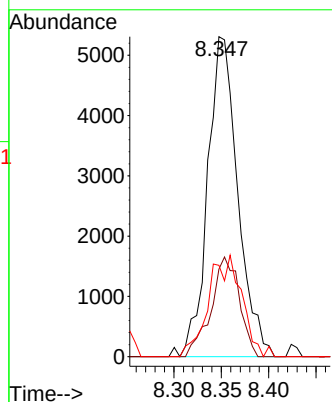
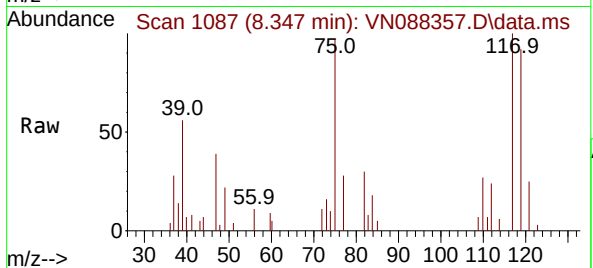
Tgt Ion: 75 Resp: 11730

Ion Ratio Lower Upper

75 100

110 29.3 0.0 65.6

77 15.7 0.0 60.8



#30

2-Butanone

Concen: 11.318 ug/l

RT: 7.471 min Scan# 938

Delta R.T. 0.000 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

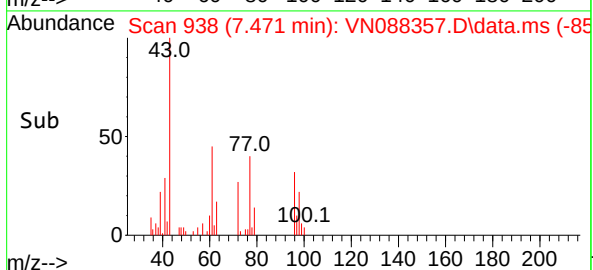
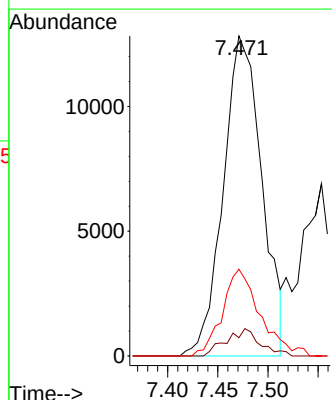
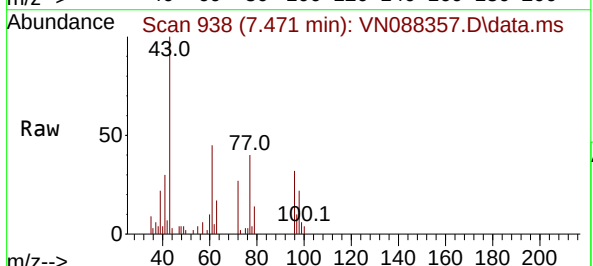
Tgt Ion: 43 Resp: 34312

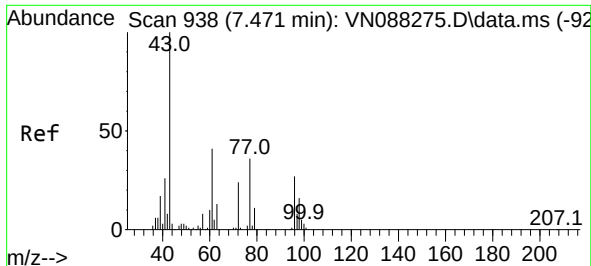
Ion Ratio Lower Upper

43 100

57 5.3 6.2 9.4#

72 25.9 19.4 29.2

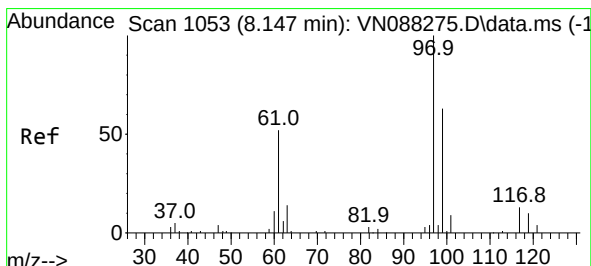
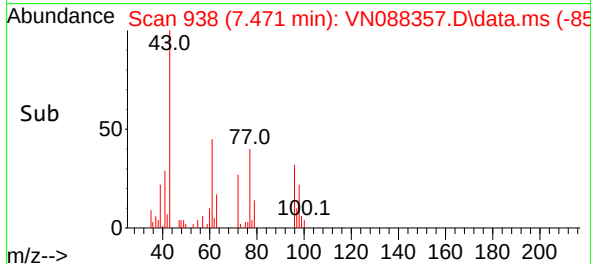
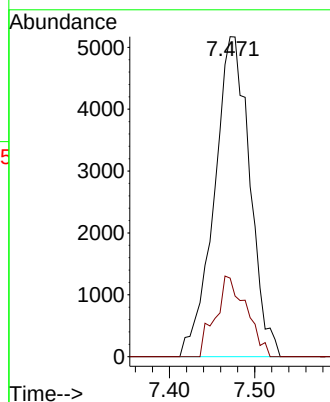
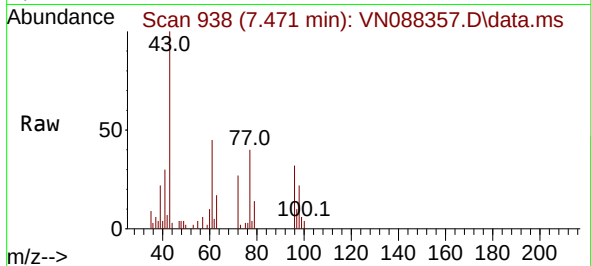




#31  
2,2-Dichloropropane  
Concen: 2.592 ug/l  
RT: 7.471 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

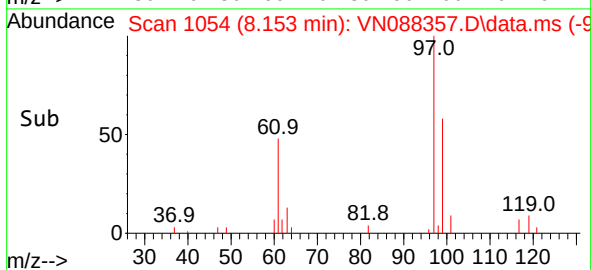
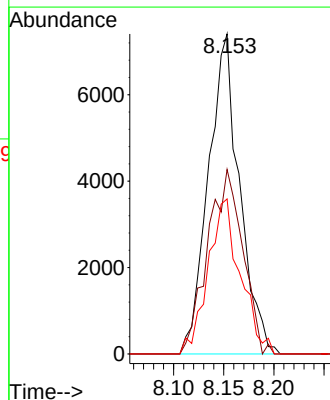
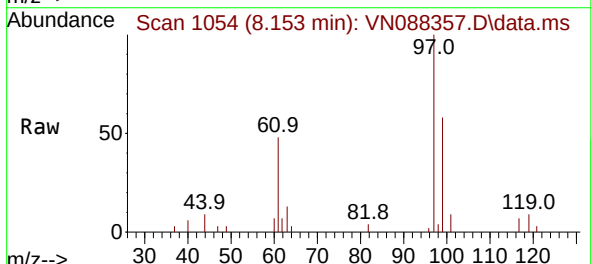
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

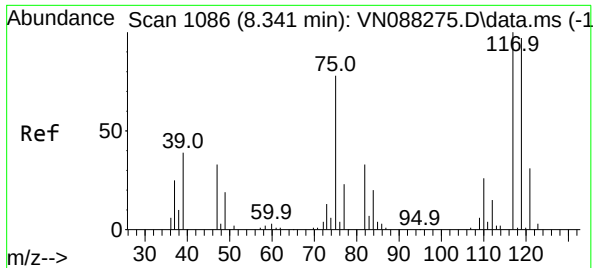
Tgt Ion: 77 Resp: 14984  
Ion Ratio Lower Upper  
77 100  
97 8.5 16.8 25.2#



#32  
1,1,1-Trichloroethane  
Concen: 2.781 ug/l  
RT: 8.153 min Scan# 1054  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 97 Resp: 16068  
Ion Ratio Lower Upper  
97 100  
99 33.8 50.2 75.4#  
61 49.3 39.8 59.8

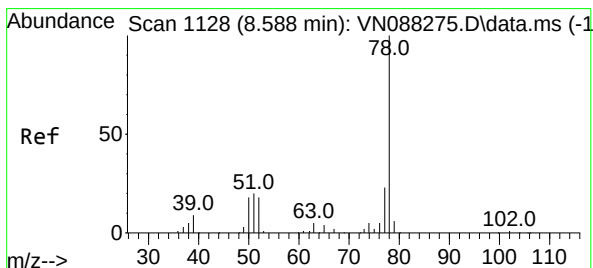
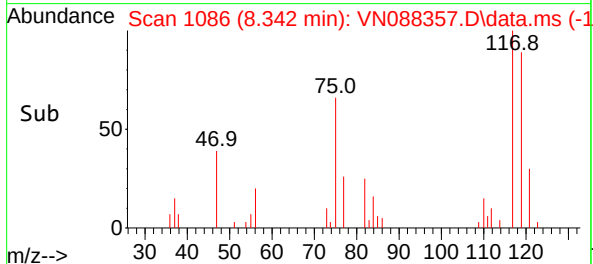
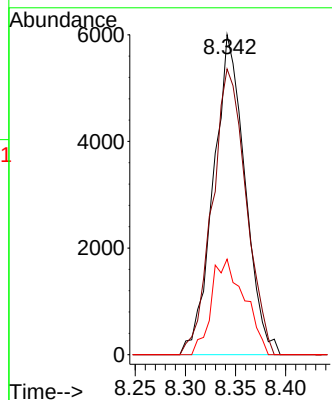
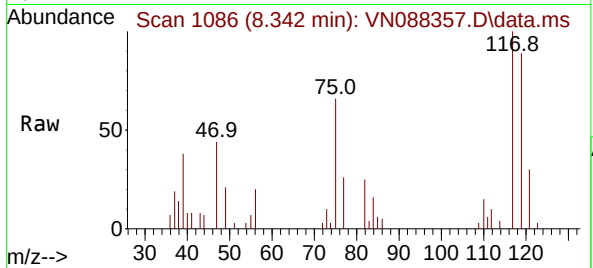




#33  
Carbon Tetrachloride  
Concen: 2.659 ug/l  
RT: 8.342 min Scan# 1107  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

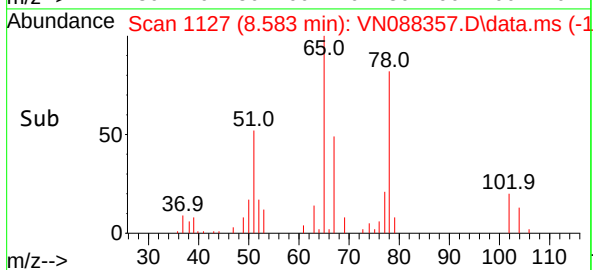
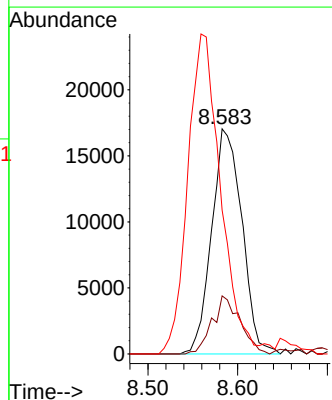
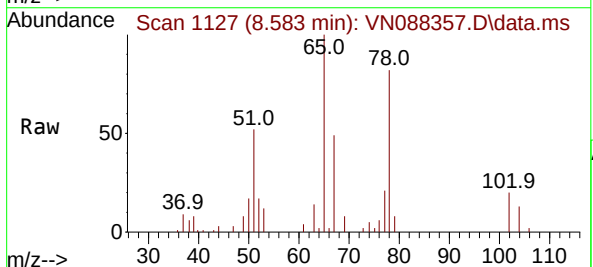
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

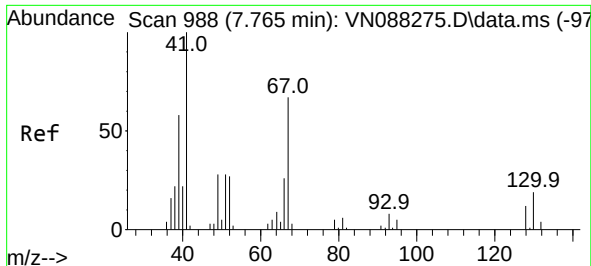
Tgt Ion:117 Resp: 13120  
Ion Ratio Lower Upper  
117 100  
119 89.3 77.8 116.8  
121 29.9 24.5 36.7



#34  
Benzene  
Concen: 2.849 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 78 Resp: 39915  
Ion Ratio Lower Upper  
78 100  
77 25.8 18.6 27.8  
51 56.9 15.8 23.8

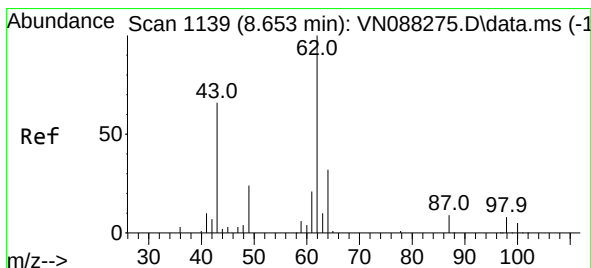
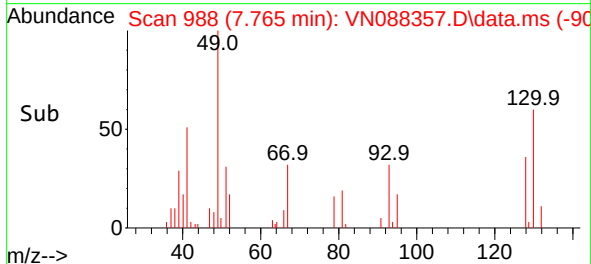
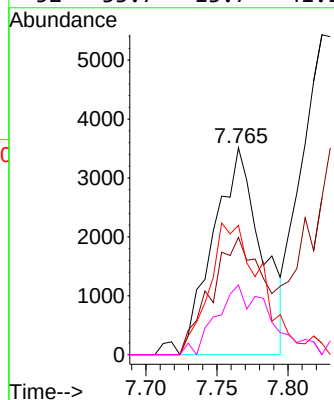
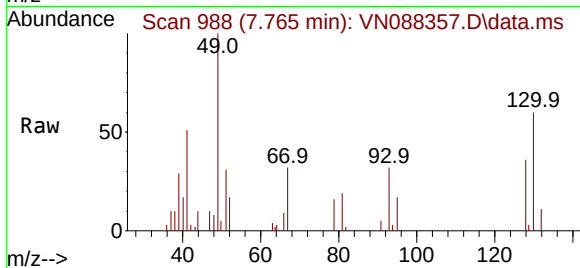




#35  
Methacrylonitrile  
Concen: 2.600 ug/l  
RT: 7.765 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

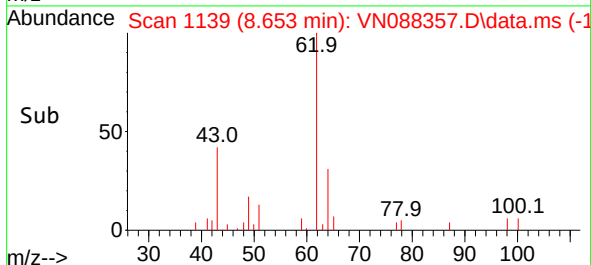
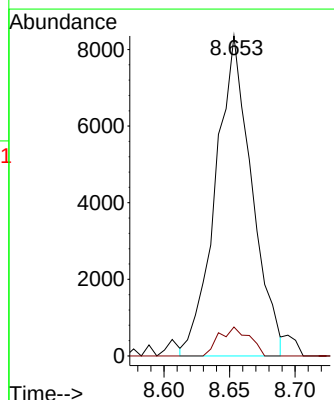
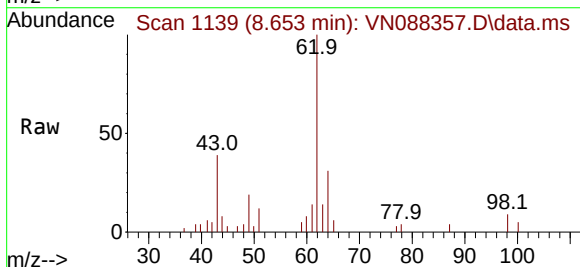
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

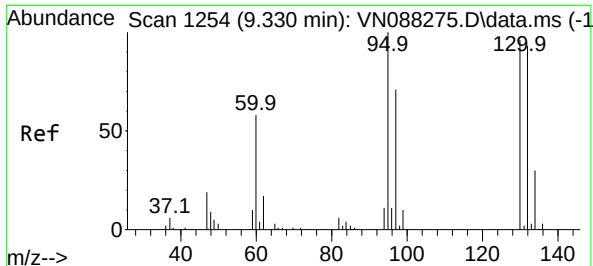
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 8222  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.7  | 29.0  | 87.0  |
| 67       | 62.5  | 33.3  | 99.9  |
| 52       | 33.7  | 13.7  | 41.1  |



#36  
1,2-Dichloroethane  
Concen: 2.944 ug/l  
RT: 8.653 min Scan# 1139  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 16051 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 7.6   | 6.8   | 10.2  |





#37

Trichloroethene

Concen: 3.056 ug/l

RT: 9.336 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

Instrument :

MSVOA\_N

ClientSampleId :

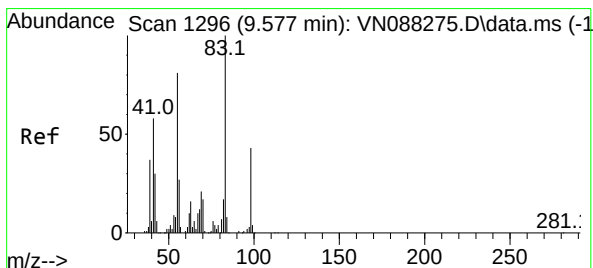
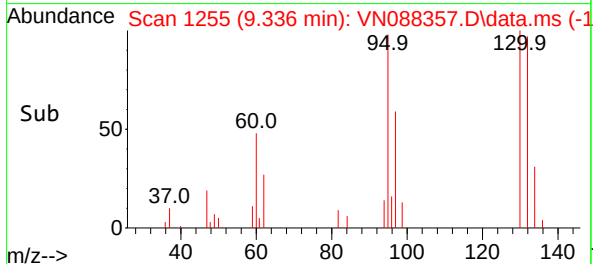
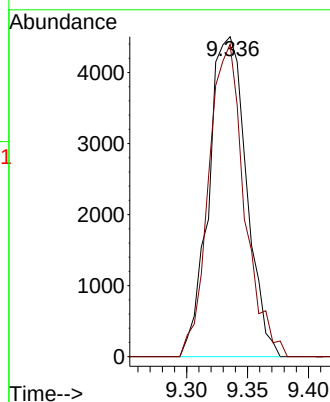
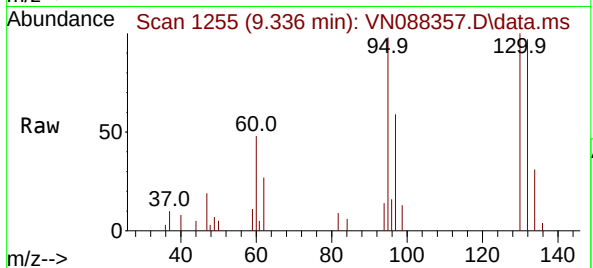
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:130 Resp: 9702

Ion Ratio Lower Upper

130 100

95 97.6 83.7 125.5



#38

Methylcyclohexane

Concen: 2.457 ug/l

RT: 9.583 min Scan# 1297

Delta R.T. 0.006 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

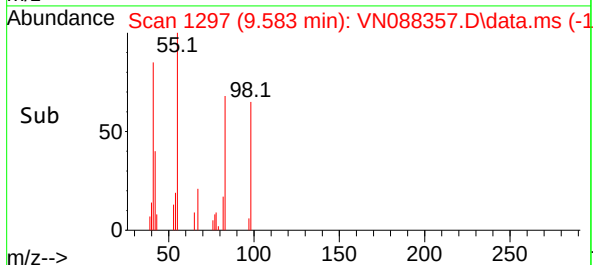
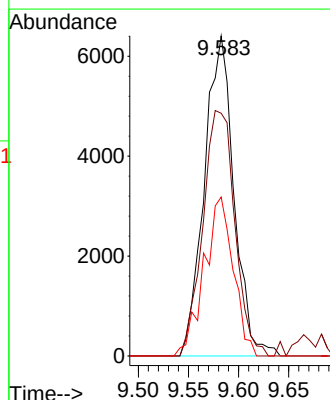
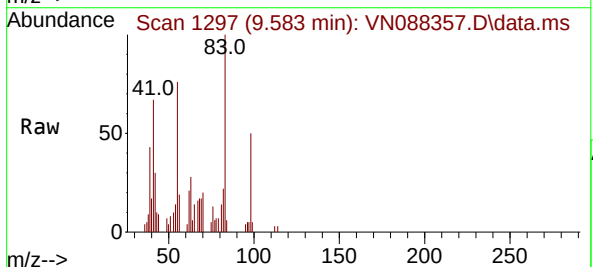
Tgt Ion: 83 Resp: 13202

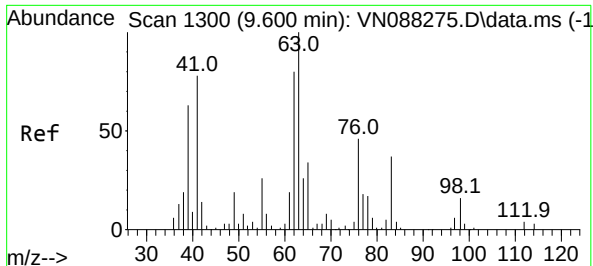
Ion Ratio Lower Upper

83 100

55 82.9 40.8 122.5

98 48.8 23.4 70.3

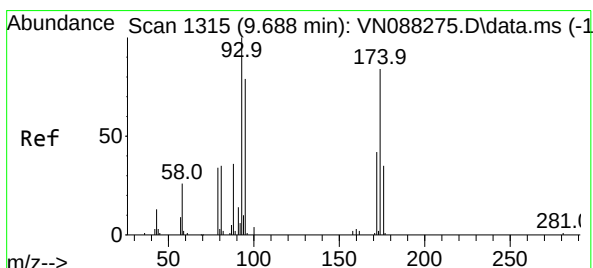
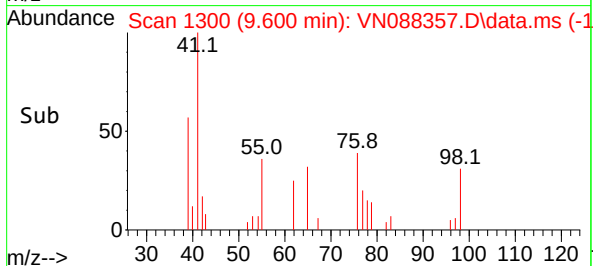
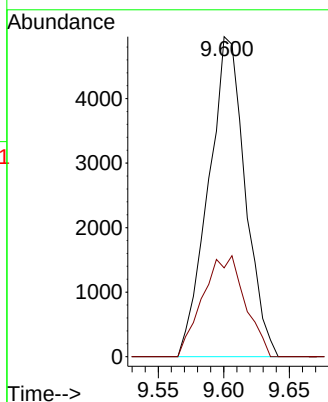
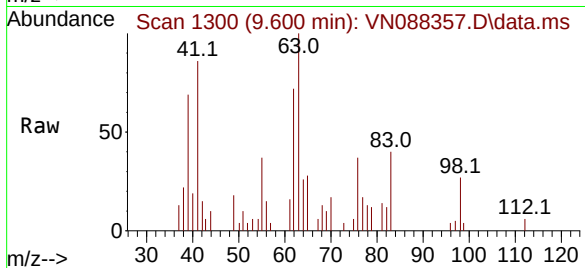




#39  
1,2-Dichloropropane  
Concen: 2.668 ug/l  
RT: 9.600 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

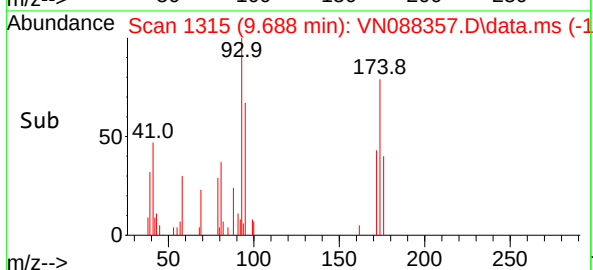
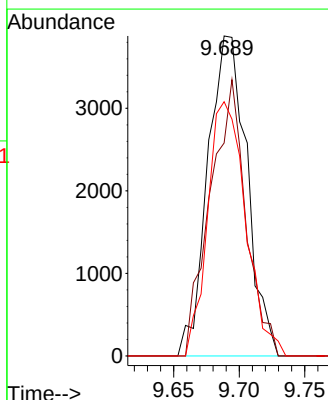
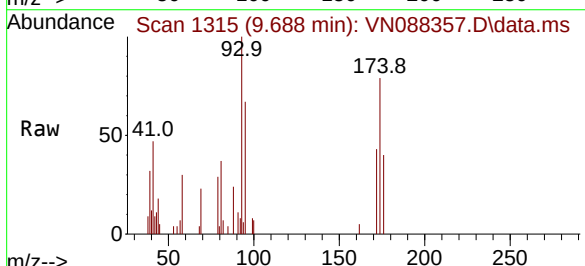
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

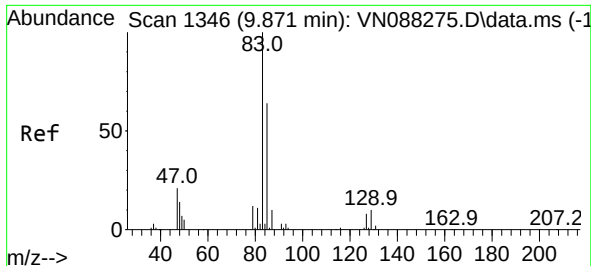
Tgt Ion: 63 Resp: 9643  
Ion Ratio Lower Upper  
63 100  
65 27.7 27.8 41.6#



#40  
Dibromomethane  
Concen: 3.089 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 93 Resp: 8022  
Ion Ratio Lower Upper  
93 100  
95 79.0 0.0 161.6  
174 77.4 0.0 158.2

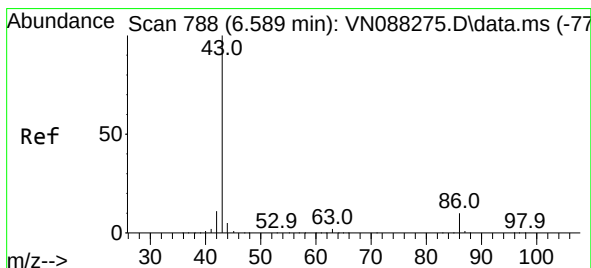
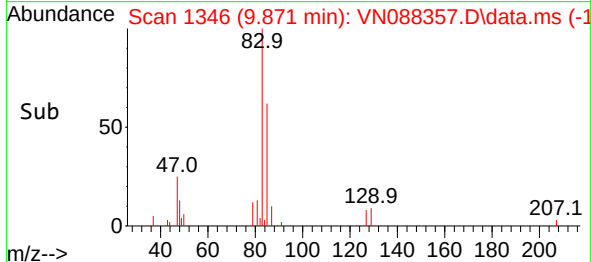
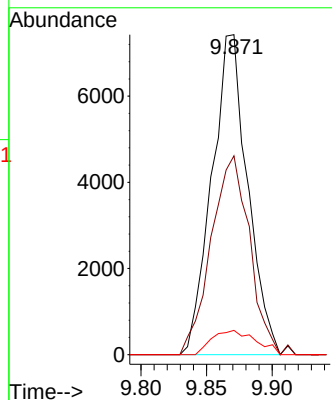
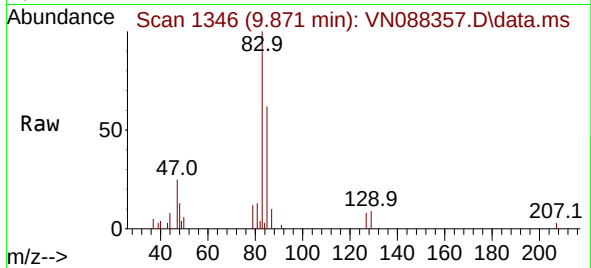




#41  
Bromodichloromethane  
Concen: 2.700 ug/l  
RT: 9.871 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

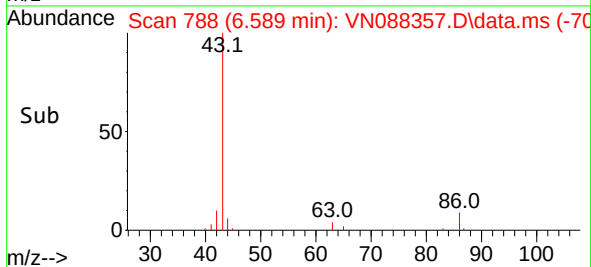
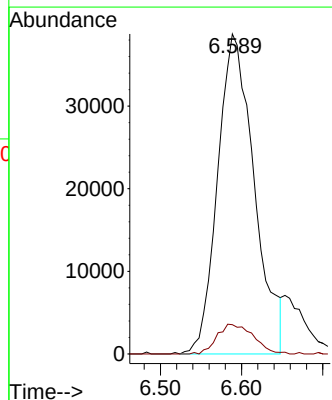
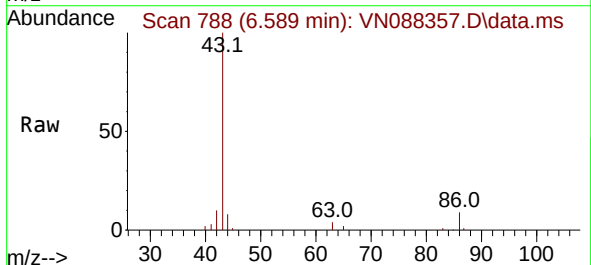
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 83 Resp: 14117  
Ion Ratio Lower Upper  
83 100  
85 62.2 51.4 77.2  
127 7.6 6.4 9.6

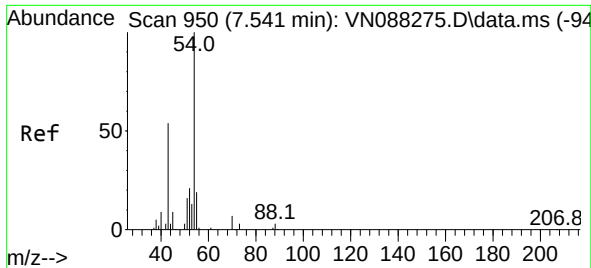


#42  
Vinyl Acetate  
Concen: 11.994 ug/l  
RT: 6.589 min Scan# 788  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 43 Resp: 121362  
Ion Ratio Lower Upper  
43 100  
86 9.1 7.4 11.2



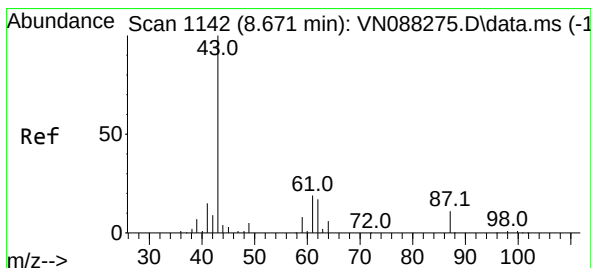
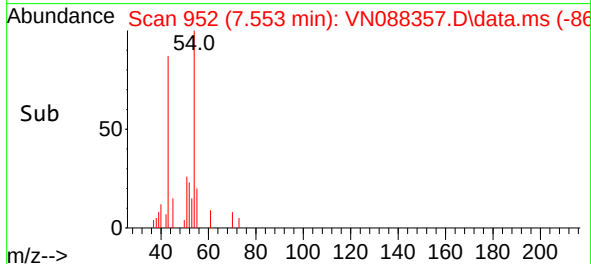
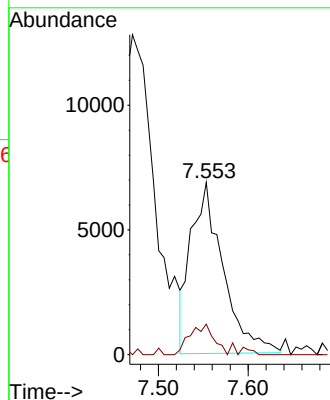
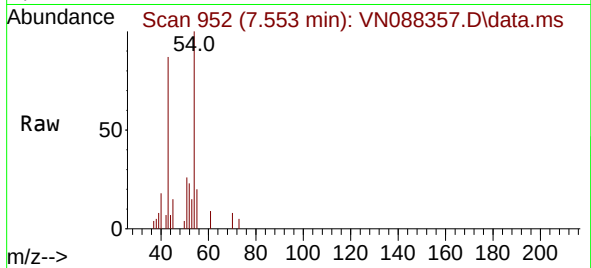




#43  
Ethyl Acetate  
Concen: 2.799 ug/l  
RT: 7.553 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

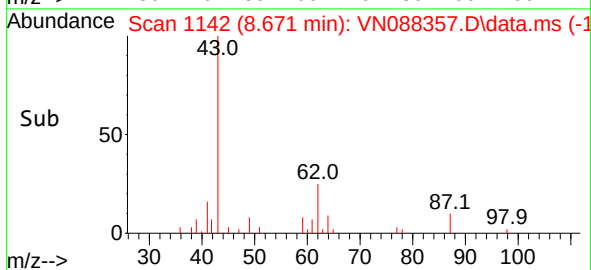
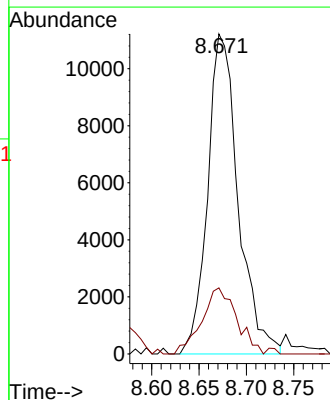
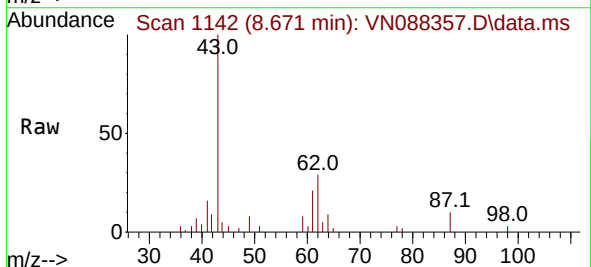
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

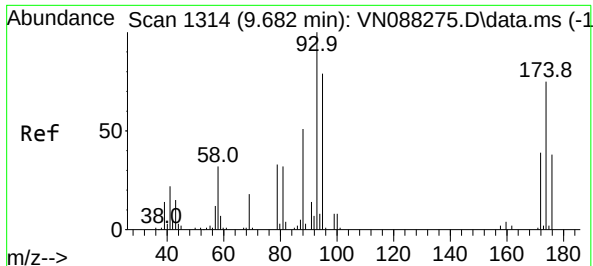
Tgt Ion: 43 Resp: 17071  
Ion Ratio Lower Upper  
43 100  
45 13.3 9.9 14.9



#44  
Isopropyl Acetate  
Concen: 2.675 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 43 Resp: 25147  
Ion Ratio Lower Upper  
43 100  
61 23.6 19.0 28.6

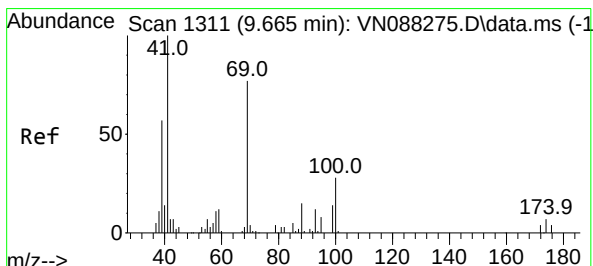
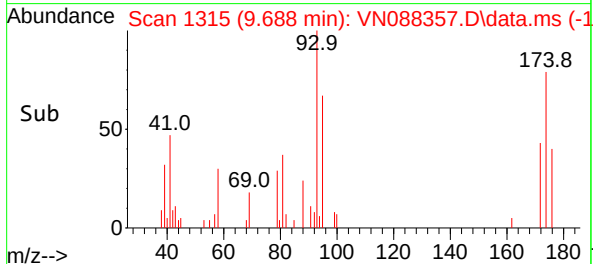
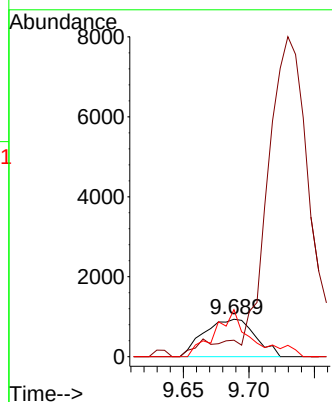
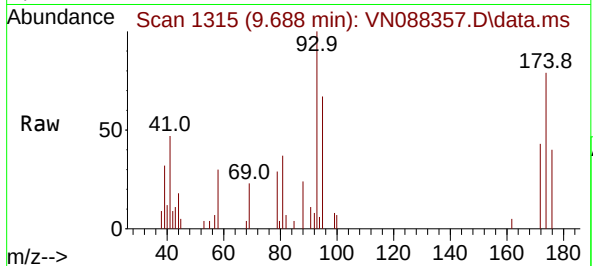




#45  
 1,4-Dioxane  
 Concen: 44.762 ug/l  
 RT: 9.688 min Scan# 1315  
 Delta R.T. 0.006 min  
 Lab File: VN088357.D  
 Acq: 25 Nov 2025 13:04

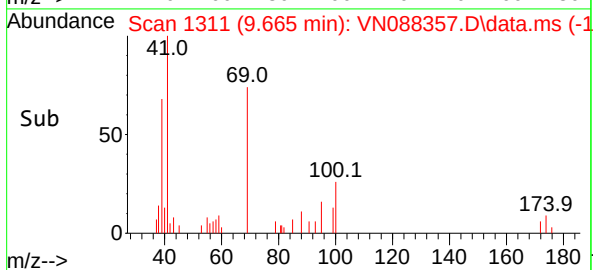
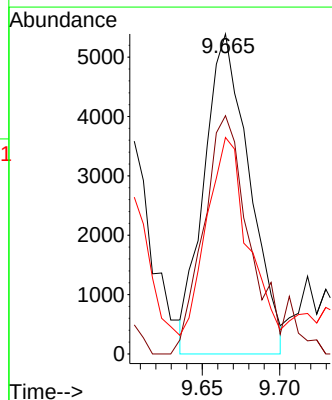
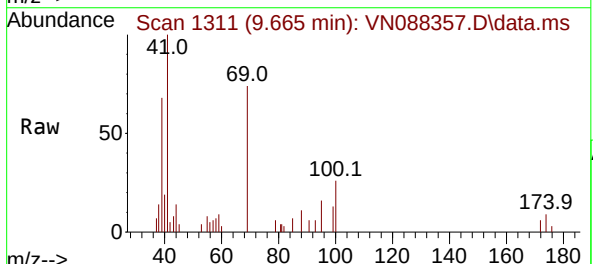
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2025

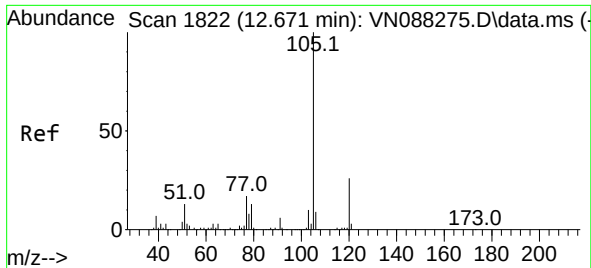
Tgt Ion: 88 Resp: 2534  
 Ion Ratio Lower Upper  
 88 100  
 43 4.7 27.8 41.8#  
 58 53.8 59.5 89.3#



#46  
 Methyl methacrylate  
 Concen: 2.497 ug/l  
 RT: 9.665 min Scan# 1311  
 Delta R.T. 0.000 min  
 Lab File: VN088357.D  
 Acq: 25 Nov 2025 13:04

Tgt Ion: 41 Resp: 10983  
 Ion Ratio Lower Upper  
 41 100  
 69 76.9 38.5 115.3  
 39 67.9 29.0 87.1

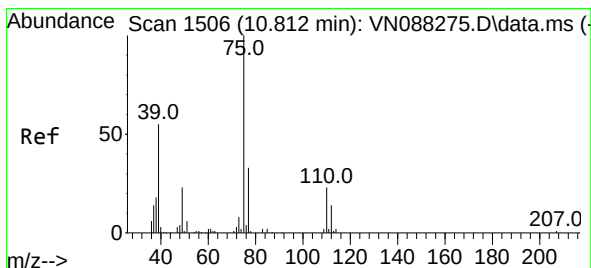
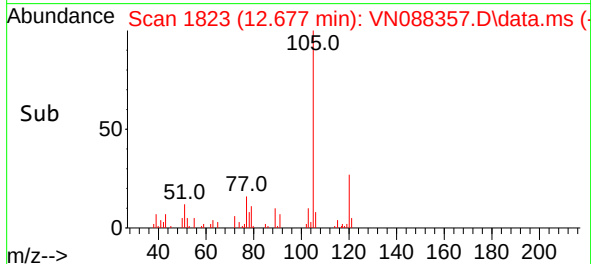
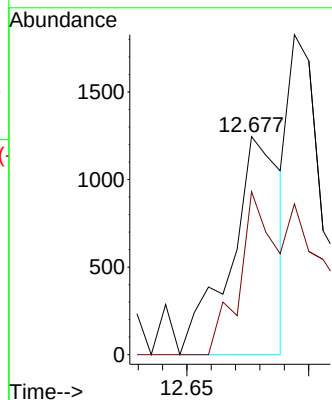
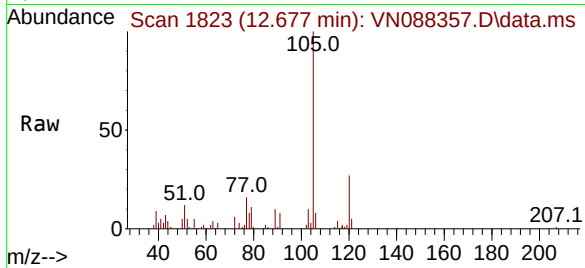




#47  
n-amyl acetate  
Concen: 0.371 ug/l  
RT: 12.677 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

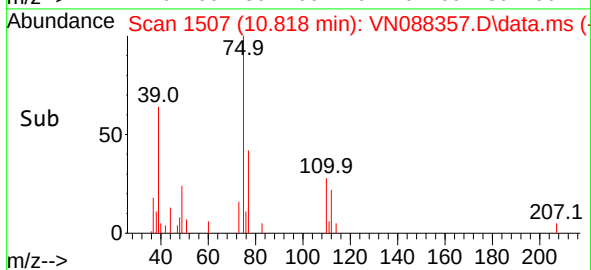
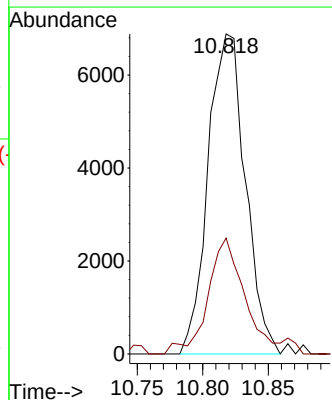
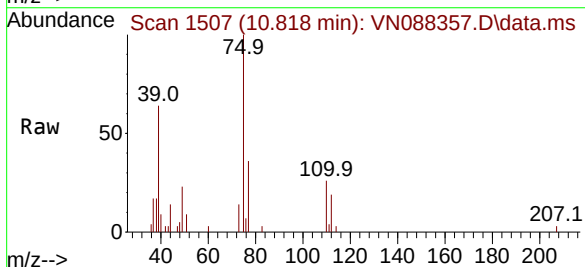
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

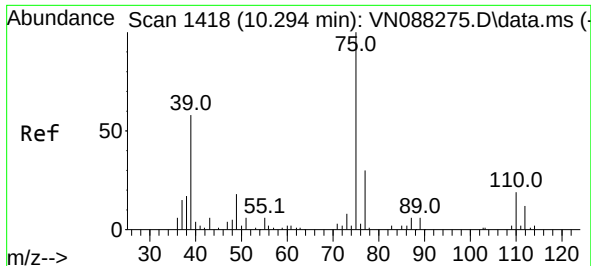
Tgt Ion: 43 Resp: 1767  
Ion Ratio Lower Upper  
43 100  
55 54.5 0.0 0.0#



#48  
t-1,3-Dichloropropene  
Concen: 2.432 ug/l  
RT: 10.818 min Scan# 1507  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 75 Resp: 13600  
Ion Ratio Lower Upper  
75 100  
77 33.2 26.1 39.1





#49

cis-1,3-Dichloropropene

Concen: 2.635 ug/l

RT: 10.288 min Scan# 1417

Delta R.T. -0.006 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

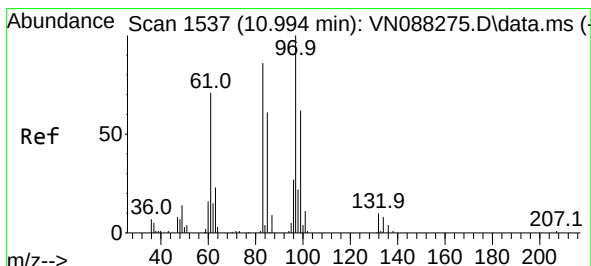
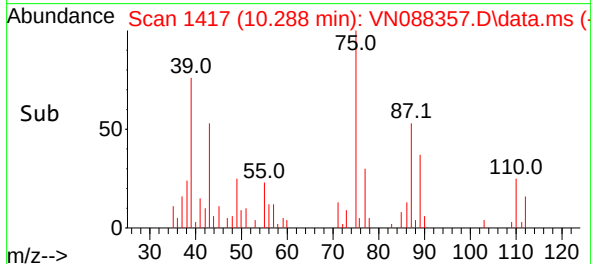
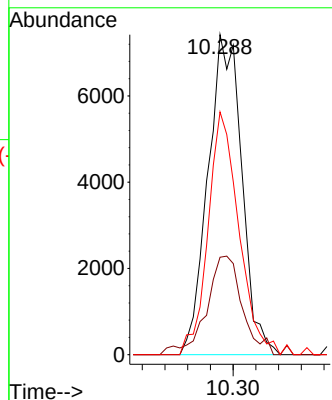
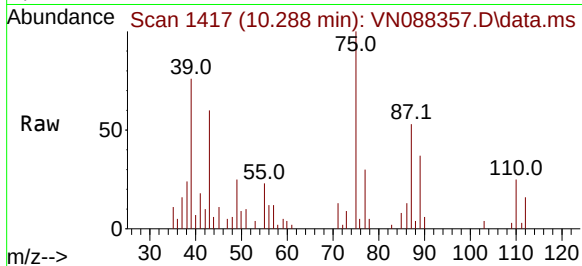
Tgt Ion: 75 Resp: 15330

Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6

39 75.8 46.1 69.1#



#50

1,1,2-Trichloroethane

Concen: 2.925 ug/l

RT: 10.994 min Scan# 1537

Delta R.T. 0.000 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

Tgt Ion: 97 Resp: 9393

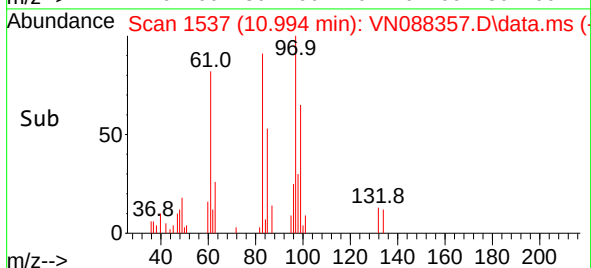
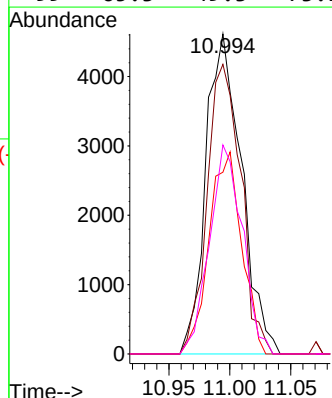
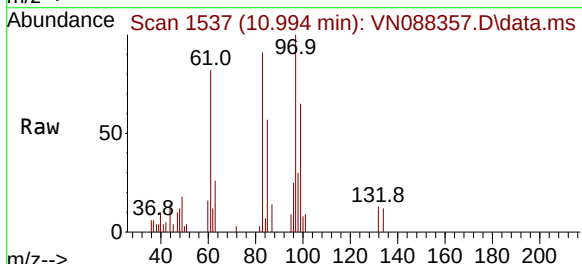
Ion Ratio Lower Upper

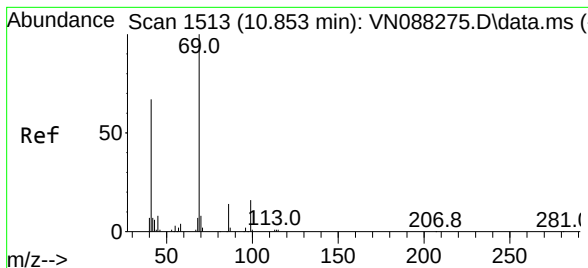
97 100

83 90.5 68.6 102.8

85 56.8 49.0 73.6

99 65.3 49.3 73.9

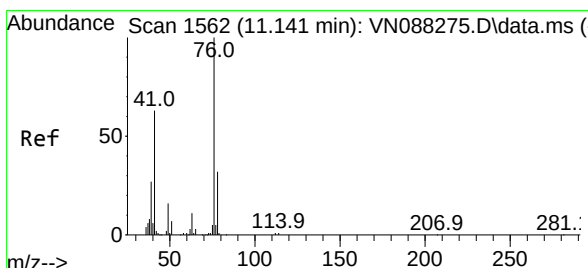
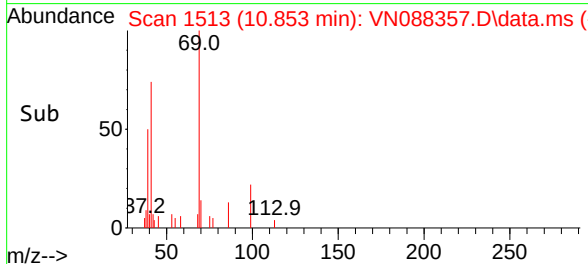
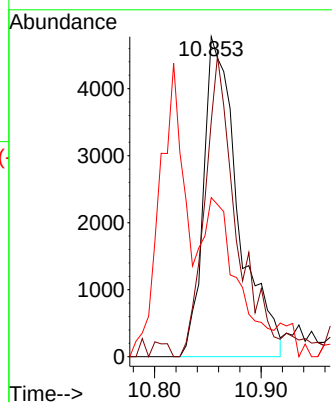
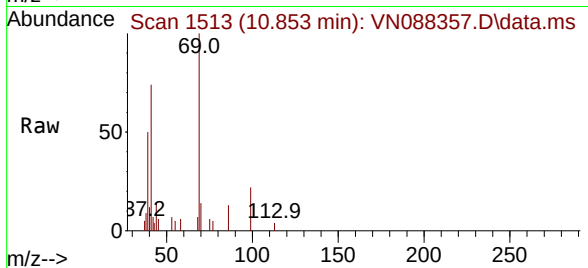




#51  
Ethyl methacrylate  
Concen: 2.052 ug/l  
RT: 10.853 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

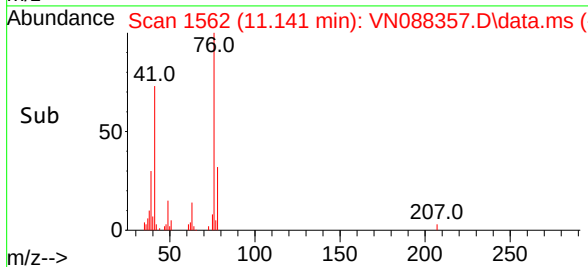
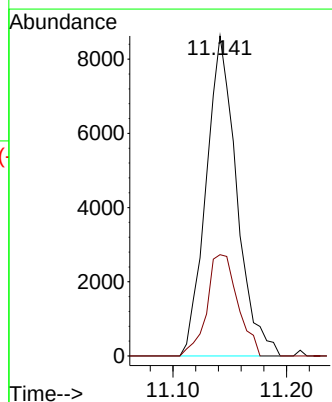
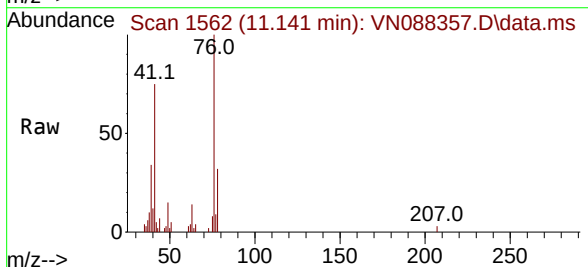
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

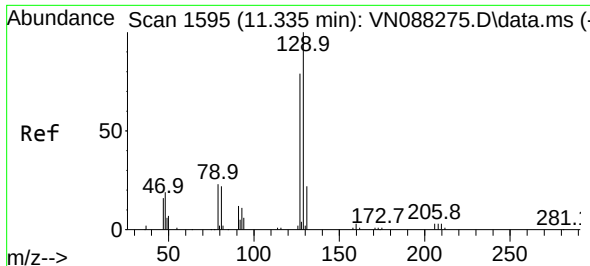
Tgt Ion: 69 Resp: 10841  
Ion Ratio Lower Upper  
69 100  
41 73.5 33.6 100.8  
39 39.2 23.4 70.2



#52  
1,3-Dichloropropane  
Concen: 2.761 ug/l  
RT: 11.141 min Scan# 1562  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 76 Resp: 16147  
Ion Ratio Lower Upper  
76 100  
78 31.9 0.0 64.2

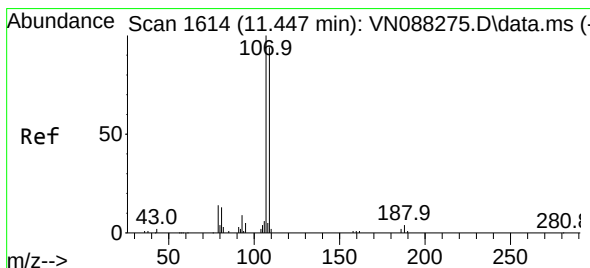
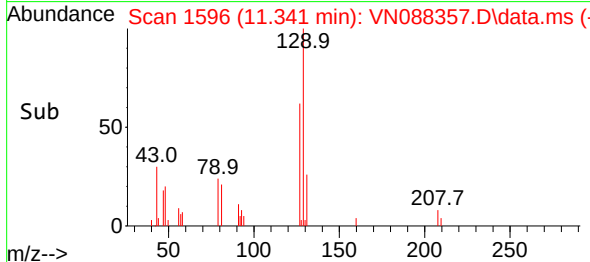
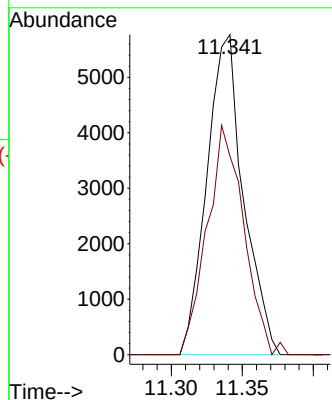
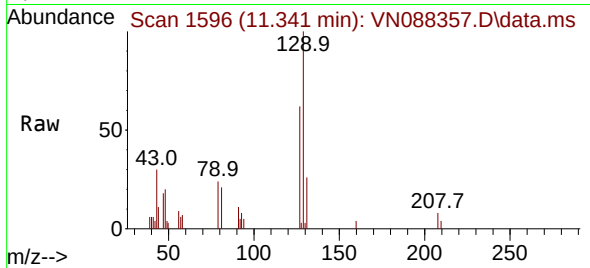




#53  
Dibromochloromethane  
Concen: 2.813 ug/l  
RT: 11.341 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

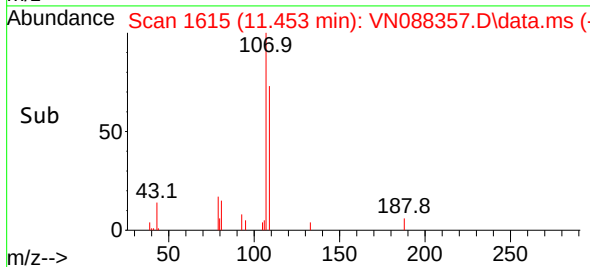
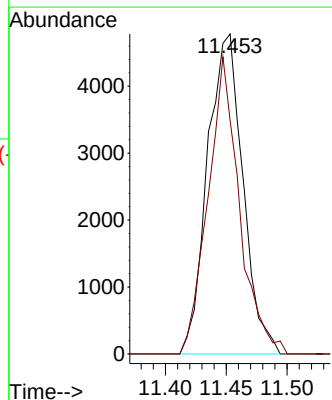
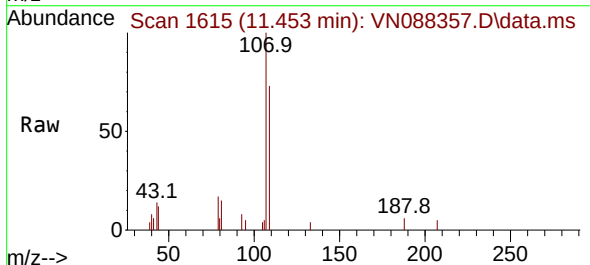
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

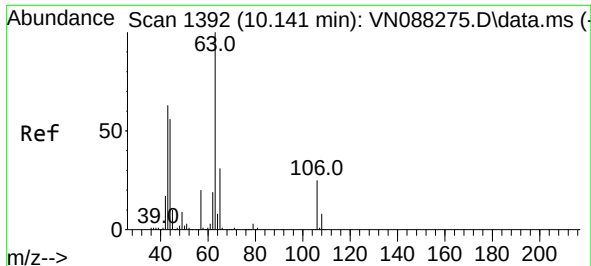
Tgt Ion:129 Resp: 10374  
Ion Ratio Lower Upper  
129 100  
127 71.1 38.2 114.6



#54  
1,2-Dibromoethane  
Concen: 2.897 ug/l  
RT: 11.453 min Scan# 1615  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion:107 Resp: 9665  
Ion Ratio Lower Upper  
107 100  
109 82.4 76.6 115.0

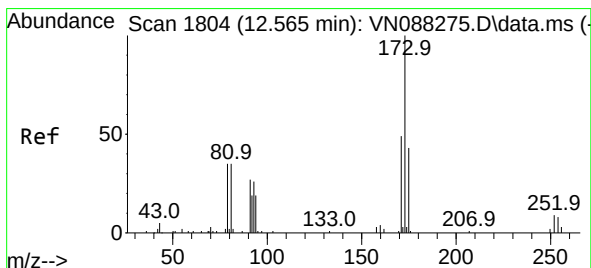
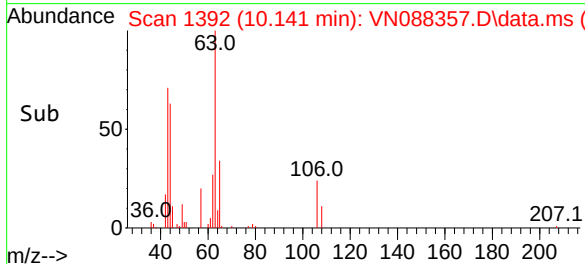
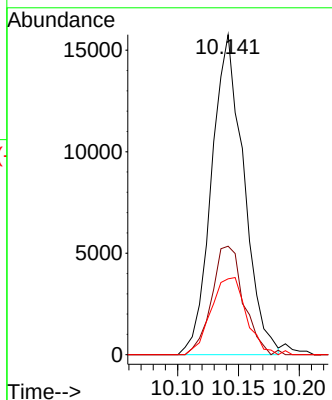
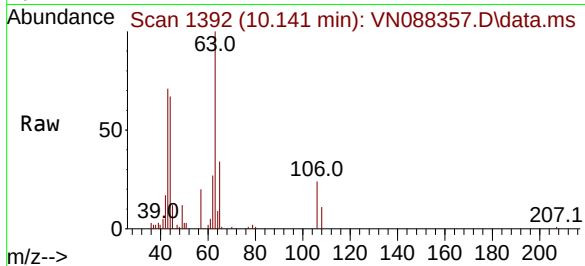




#55  
2-Chloroethyl vinyl ether  
Concen: 9.533 ug/l  
RT: 10.141 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

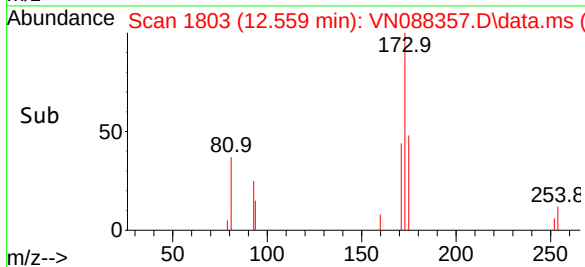
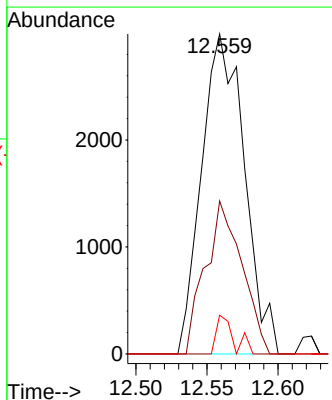
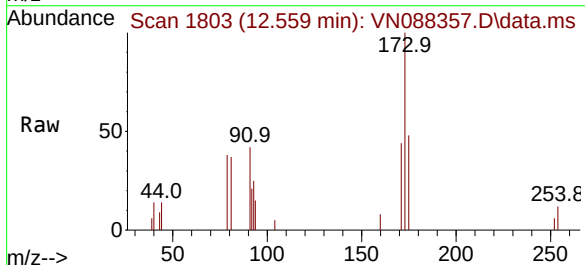
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

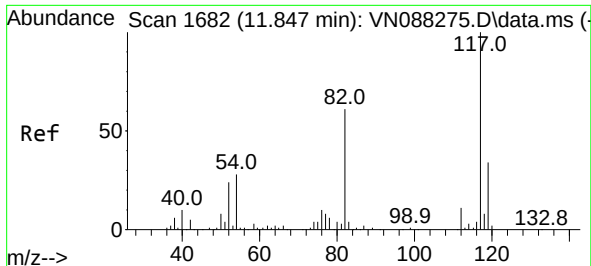
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 29011 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 33.3  | 24.9  | 37.3  |
| 106      | 26.3  | 20.3  | 30.5  |



#56  
Bromoform  
Concen: 2.682 ug/l  
RT: 12.559 min Scan# 1803  
Delta R.T. -0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 6262  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 40.9  | 37.7  | 56.5  |
| 254      | 3.8   | 5.9   | 8.9#  |

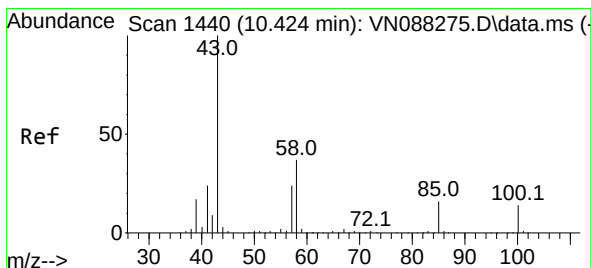
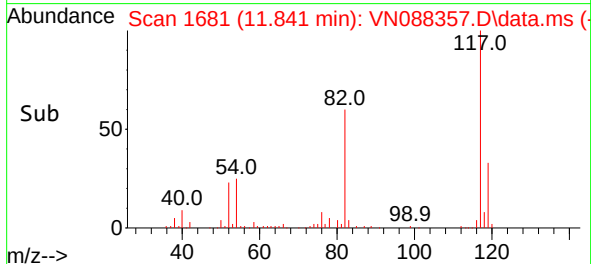
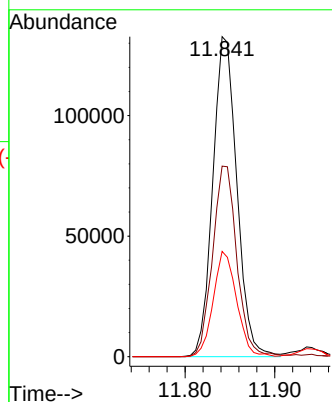
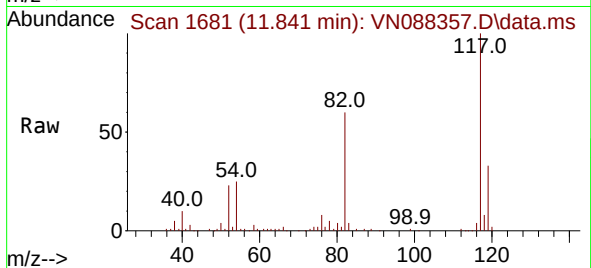




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.841 min Scan# 1681  
Delta R.T. -0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

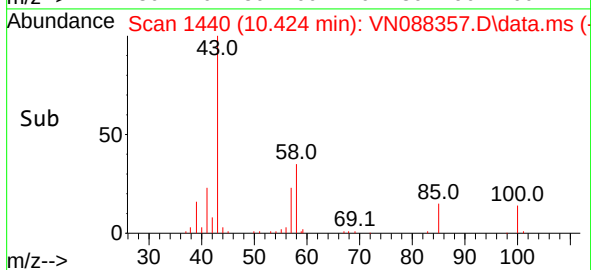
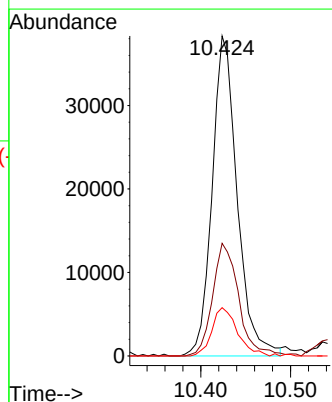
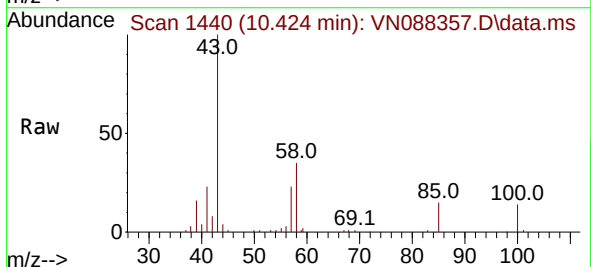
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:117 Resp: 247701  
Ion Ratio Lower Upper  
117 100  
82 60.1 49.3 73.9  
119 32.0 26.4 39.6

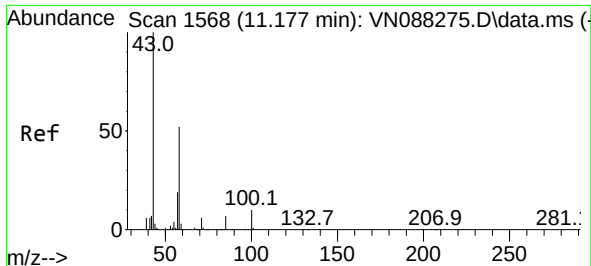


#58  
4-Methyl-2-Pentanone  
Concen: 13.258 ug/l  
RT: 10.424 min Scan# 1440  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 43 Resp: 74278  
Ion Ratio Lower Upper  
43 100  
58 36.6 29.2 43.8  
85 15.3 12.6 19.0



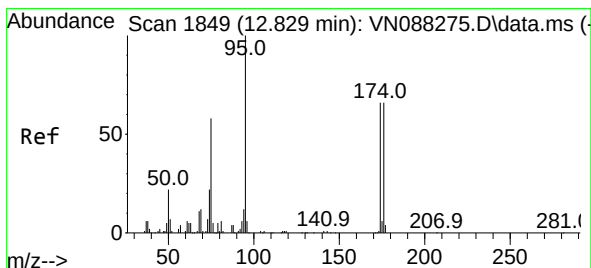
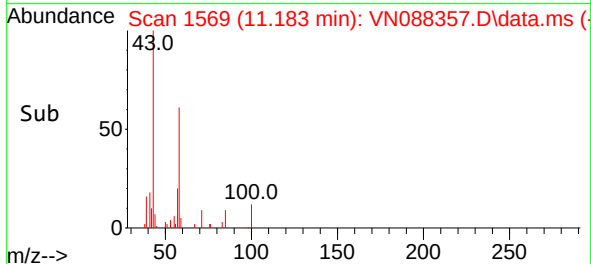
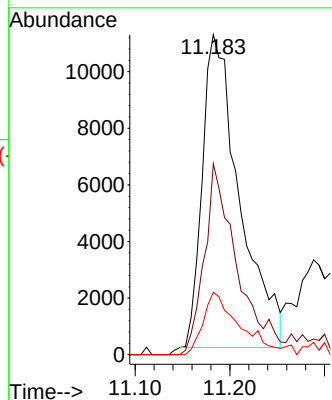
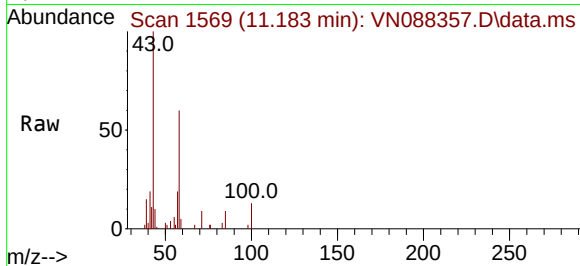




#59  
2-Hexanone  
Concen: 8.163 ug/l  
RT: 11.183 min Scan# 1569  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

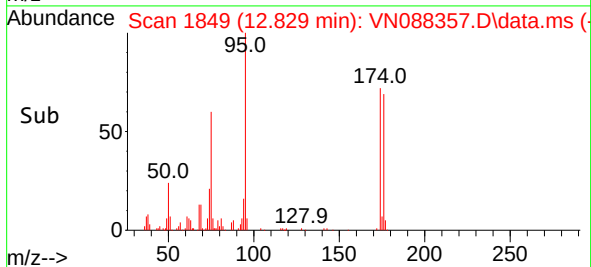
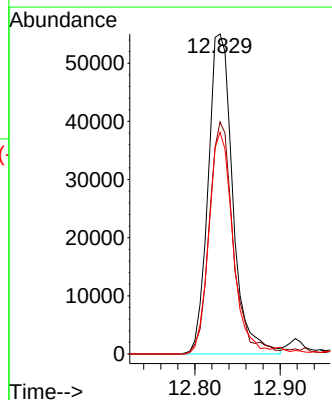
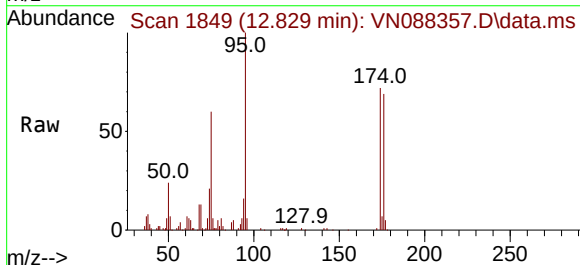
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

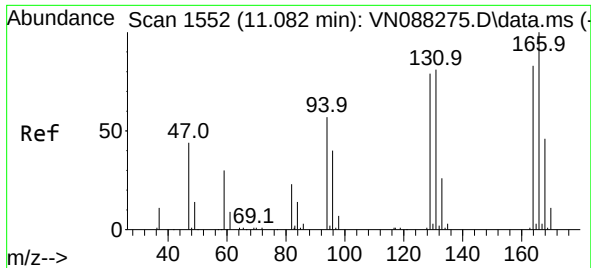
Tgt Ion: 43 Resp: 30369  
Ion Ratio Lower Upper  
43 100  
58 50.2 41.0 61.4  
57 16.7 14.4 21.6



#60  
4-Bromofluorobenzene  
Concen: 26.353 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 95 Resp: 110347  
Ion Ratio Lower Upper  
95 100  
174 68.6 54.5 81.7  
176 66.9 53.8 80.6

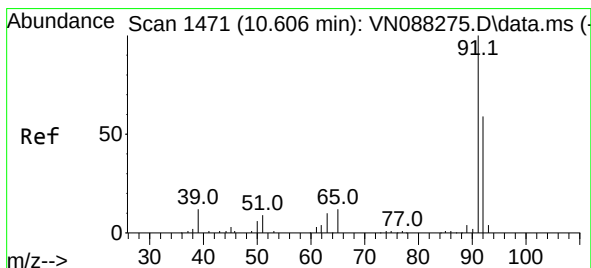
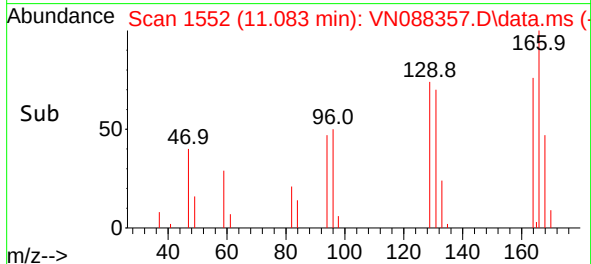
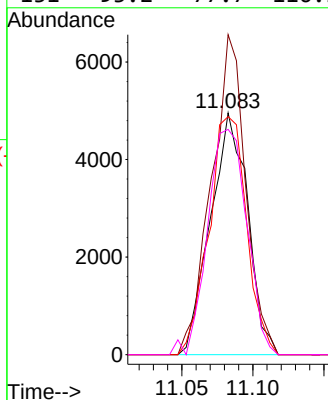
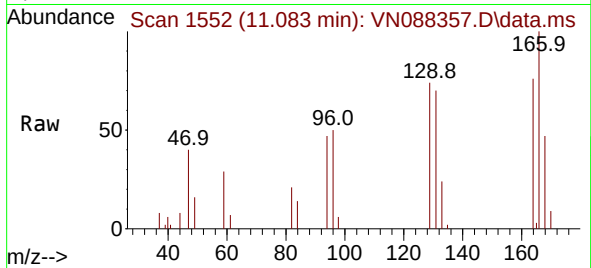




#61  
Tetrachloroethene  
Concen: 3.530 ug/l  
RT: 11.083 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

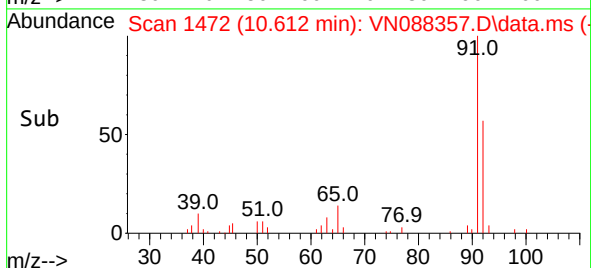
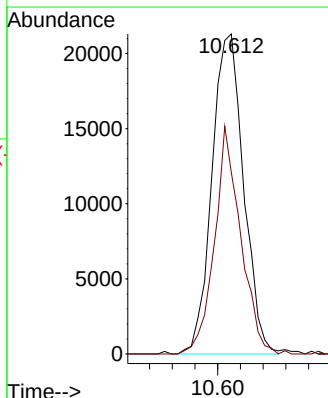
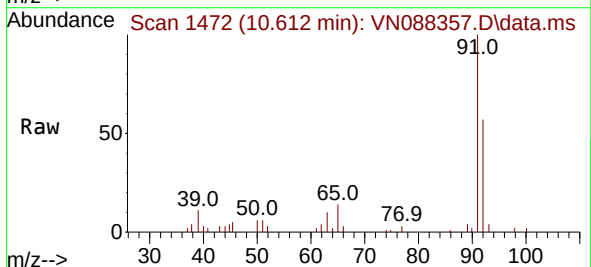
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

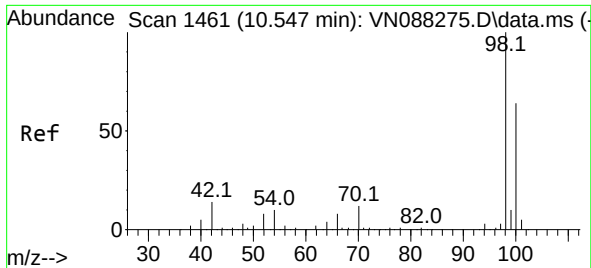
Tgt Ion:164 Resp: 9014  
Ion Ratio Lower Upper  
164 100  
166 132.3 96.3 144.5  
129 98.4 76.2 114.2  
131 93.2 77.7 116.5



#62  
Toluene  
Concen: 2.900 ug/l  
RT: 10.612 min Scan# 1472  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 91 Resp: 41224  
Ion Ratio Lower Upper  
91 100  
92 58.6 46.7 70.1

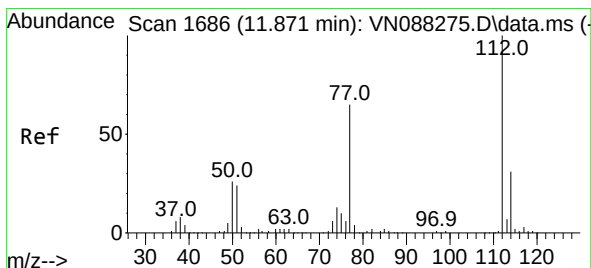
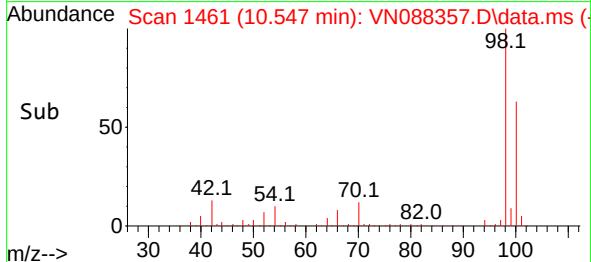
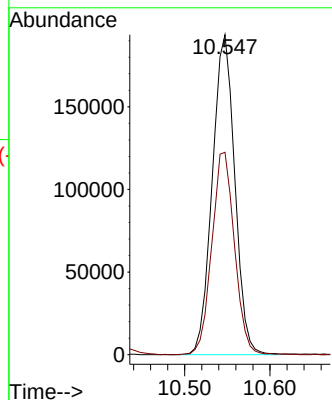
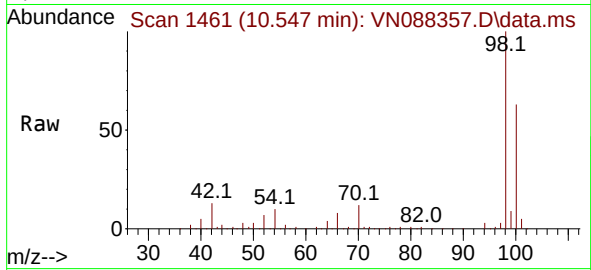




#63  
Toluene-d8  
Concen: 30.250 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

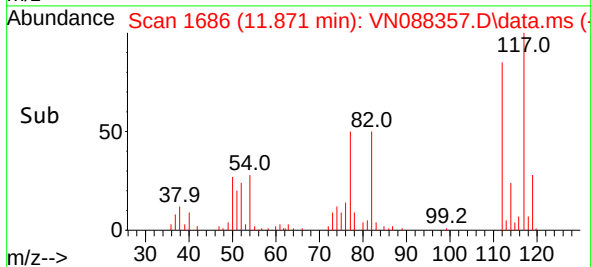
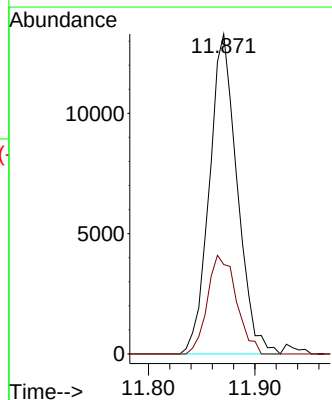
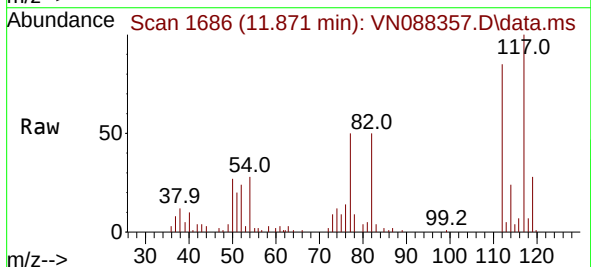
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

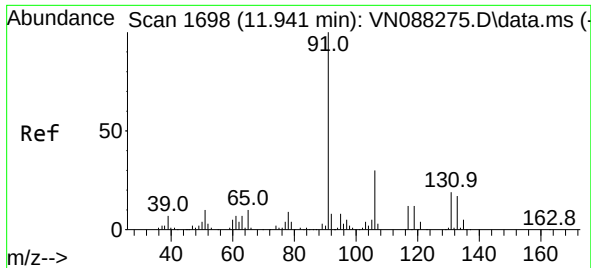
Tgt Ion: 98 Resp: 354740  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.6 77.4



#64  
Chlorobenzene  
Concen: 2.739 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 112 Resp: 24114  
Ion Ratio Lower Upper  
112 100  
114 27.9 25.0 37.4

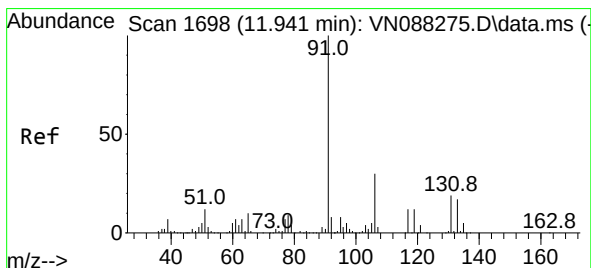
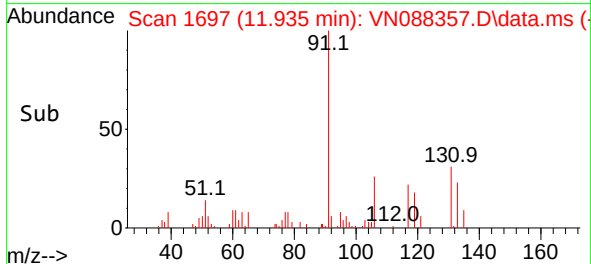
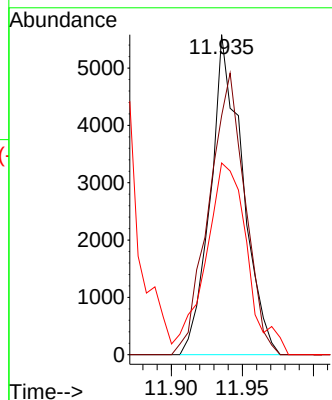
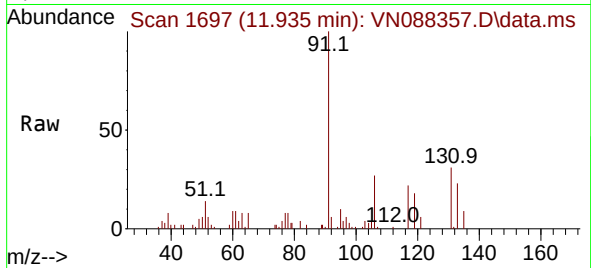




#65  
1,1,1,2-Tetrachloroethane  
Concen: 2.903 ug/l  
RT: 11.935 min Scan# 1697  
Delta R.T. -0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

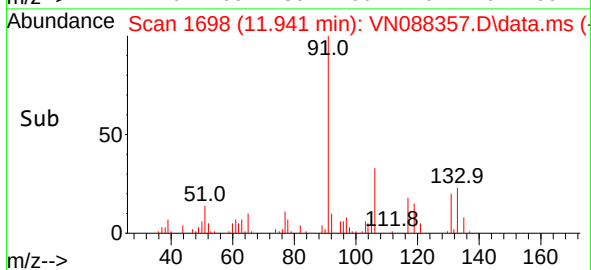
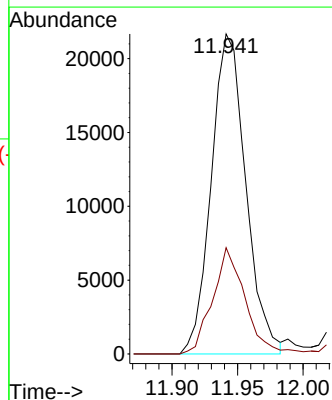
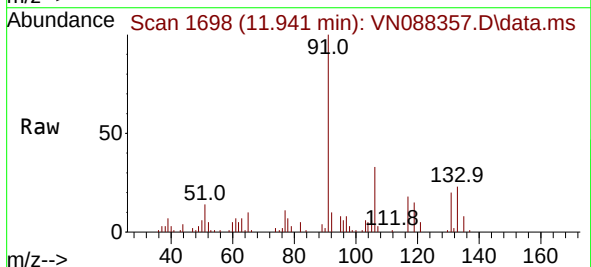
Instrument : MSVOA\_N  
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

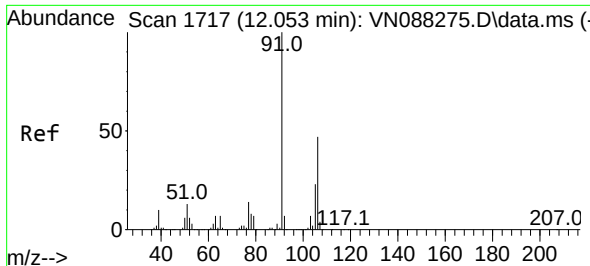
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 131   | Resp: | 8747  |
| Ion      | Ratio | Lower | Upper |
| 131      | 100   |       |       |
| 133      | 99.1  | 0.0   | 181.4 |
| 119      | 66.0  | 0.0   | 135.0 |



#66  
Ethyl Benzene  
Concen: 2.533 ug/l  
RT: 11.941 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 39680 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 106      | 33.2  | 24.4  | 36.6  |

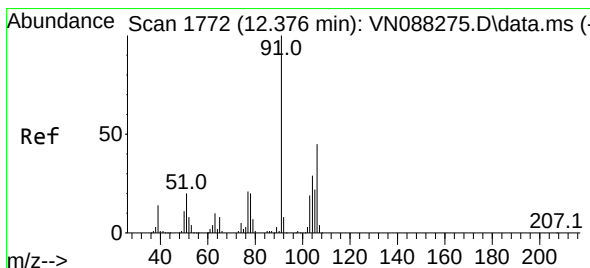
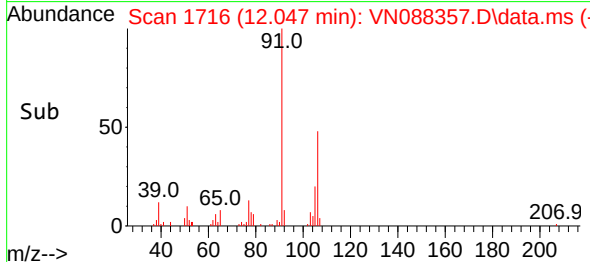
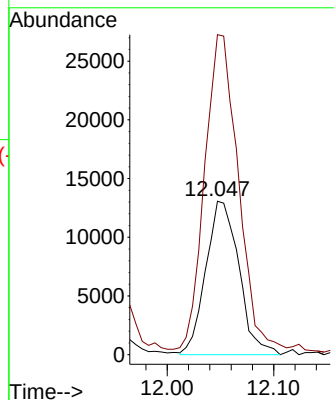
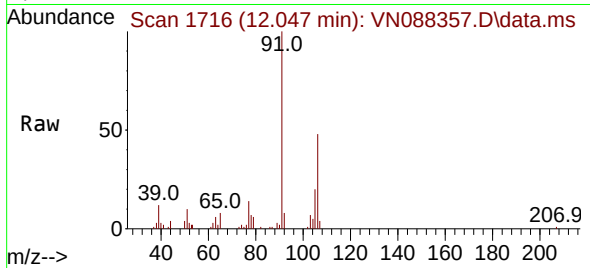




#67  
m/p-Xylenes  
Concen: 4.825 ug/l  
RT: 12.047 min Scan# 1716  
Delta R.T. -0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

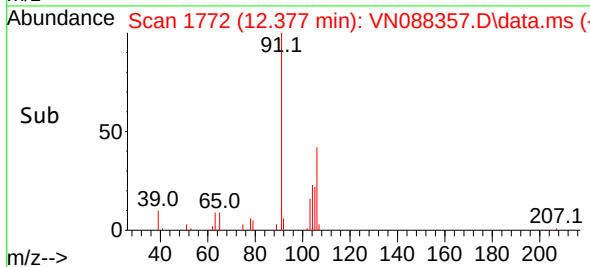
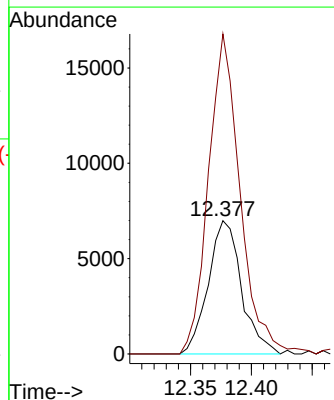
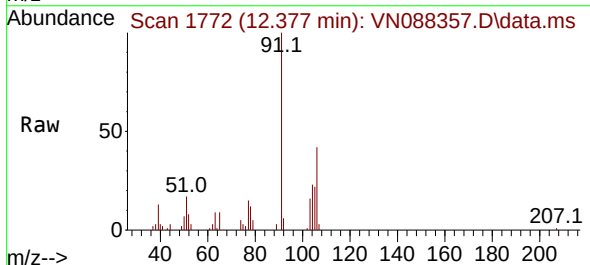
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

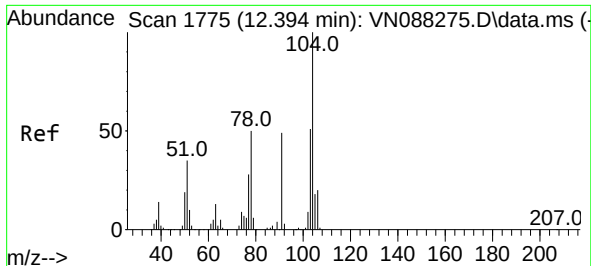
Tgt Ion:106 Resp: 28266  
Ion Ratio Lower Upper  
106 100  
91 216.0 168.3 252.5



#68  
o-Xylene  
Concen: 2.403 ug/l  
RT: 12.377 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion:106 Resp: 13283  
Ion Ratio Lower Upper  
106 100  
91 226.7 114.0 342.0

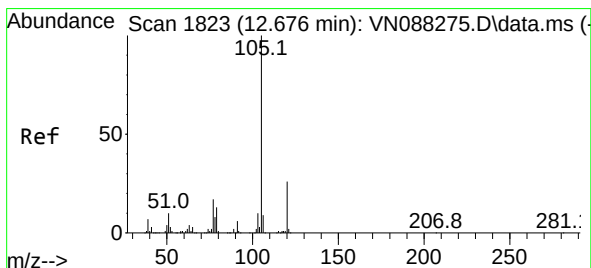
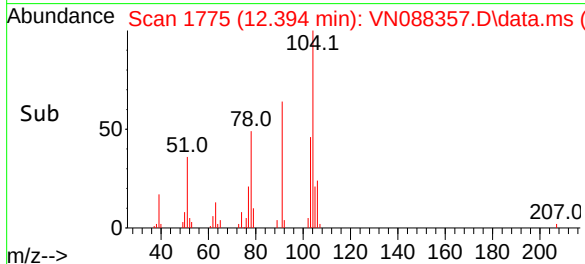
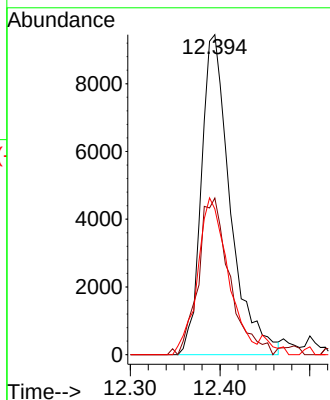
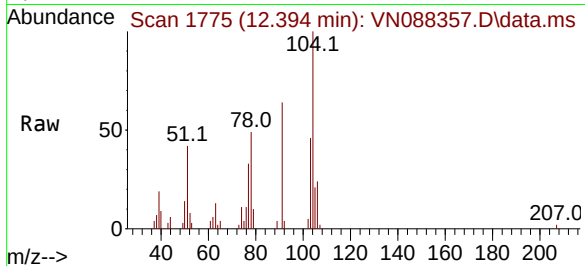




#69  
Styrene  
Concen: 2.255 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

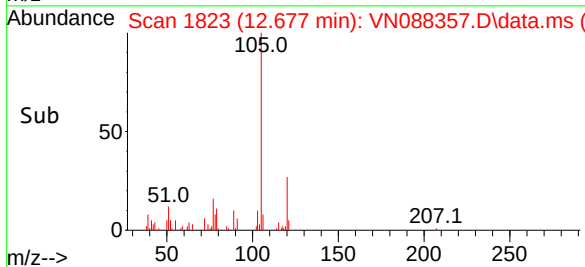
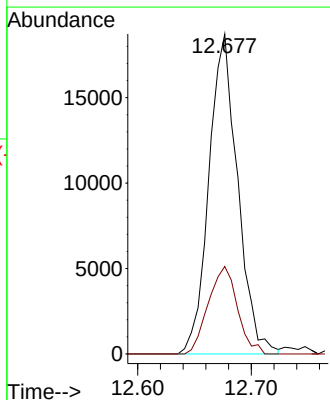
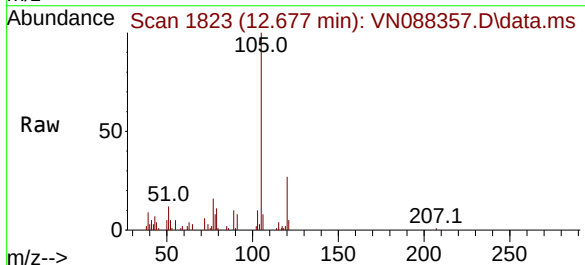
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

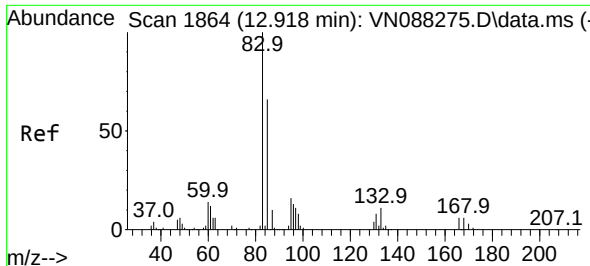
Tgt Ion:104 Resp: 21163  
Ion Ratio Lower Upper  
104 100  
78 52.0 43.8 65.8  
103 51.8 44.8 67.2



#70  
Isopropylbenzene  
Concen: 2.249 ug/l  
RT: 12.677 min Scan# 1823  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion:105 Resp: 32937  
Ion Ratio Lower Upper  
105 100  
120 27.6 18.2 33.8

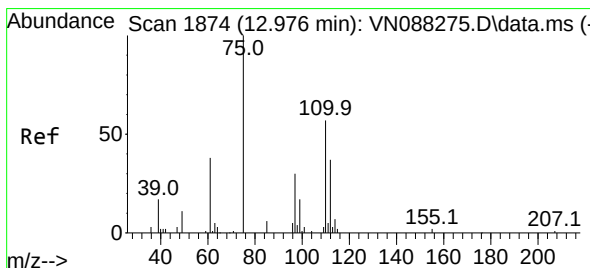
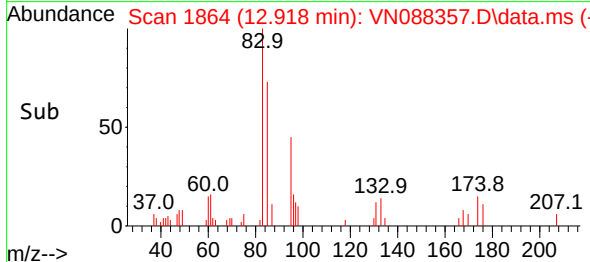
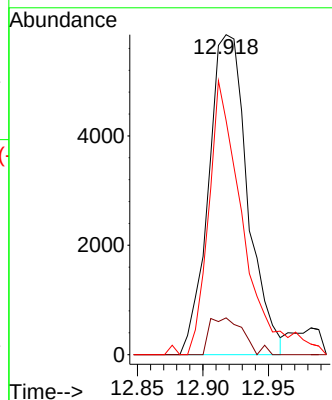
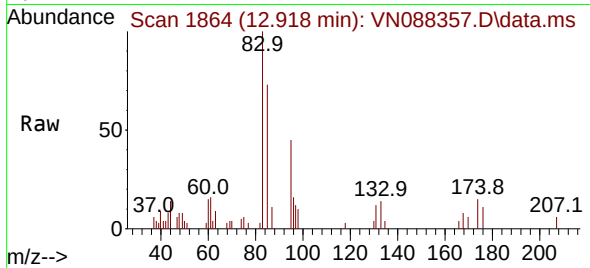




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 2.562 ug/l  
 RT: 12.918 min Scan# 1864  
 Delta R.T. 0.000 min  
 Lab File: VN088357.D  
 Acq: 25 Nov 2025 13:04

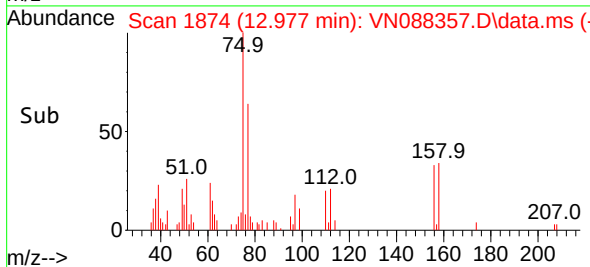
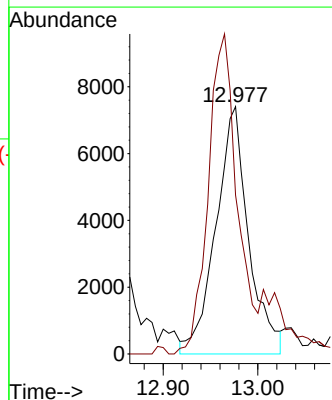
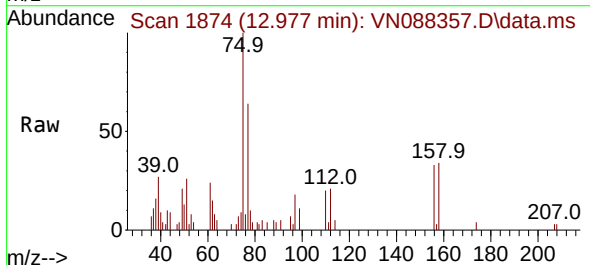
Instrument : MSVOA\_N  
 ClientSampleId : LOD-MDL-WATER-01-QT4-2025

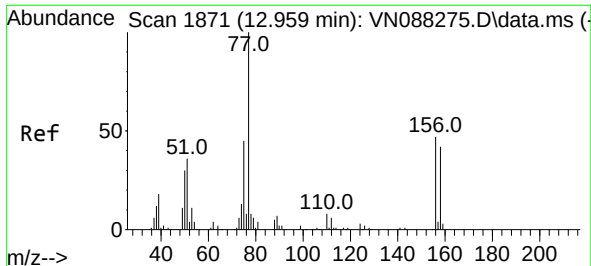
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 12153 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 9.4   | 4.3   | 12.9  |
| 85       | 71.9  | 32.4  | 97.2  |



#72  
 1,2,3-Trichloropropane  
 Concen: 3.862 ug/l  
 RT: 12.977 min Scan# 1874  
 Delta R.T. 0.000 min  
 Lab File: VN088357.D  
 Acq: 25 Nov 2025 13:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 17753 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 114.5 | 0.0   | 386.6 |

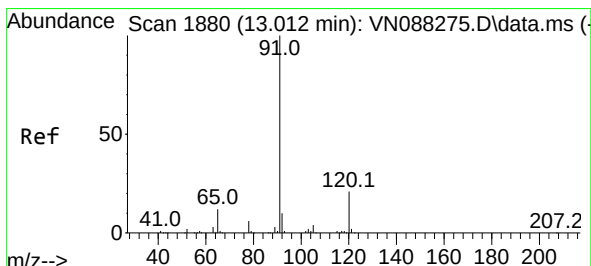
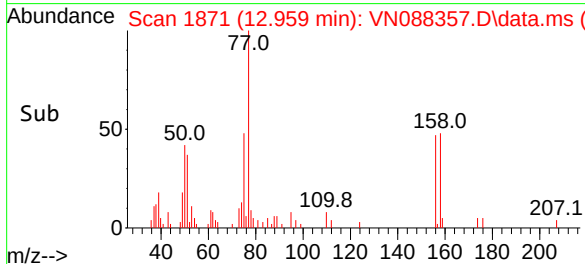
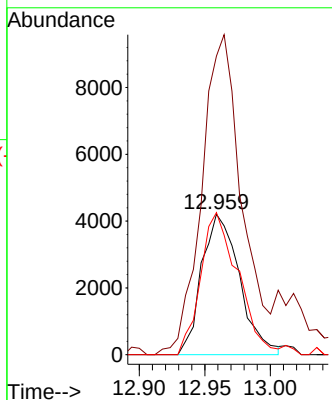
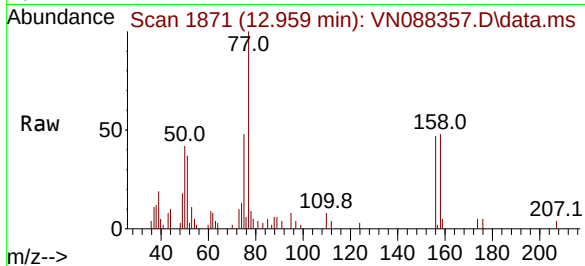




#73  
Bromobenzene  
Concen: 2.558 ug/l  
RT: 12.959 min Scan# 1871  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

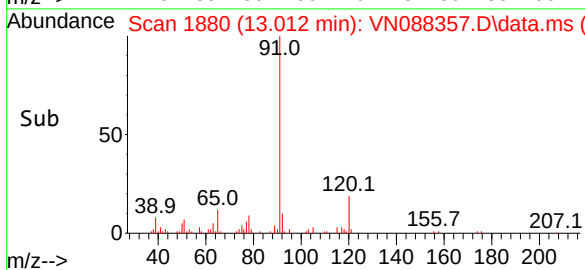
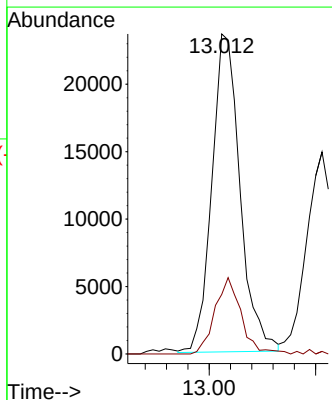
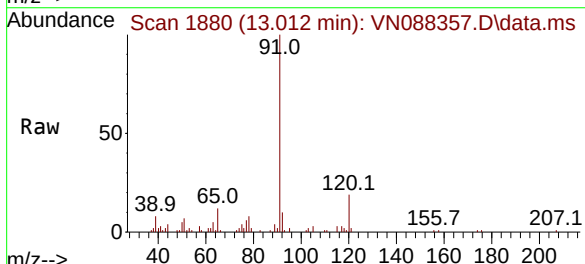
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:156 Resp: 8457  
Ion Ratio Lower Upper  
156 100  
77 240.3 0.0 493.4  
158 100.1 0.0 193.4

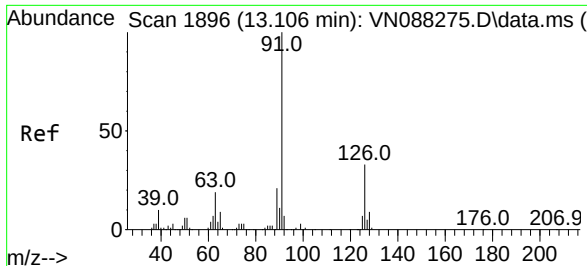


#74  
n-propylbenzene  
Concen: 2.389 ug/l  
RT: 13.012 min Scan# 1880  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 91 Resp: 43303  
Ion Ratio Lower Upper  
91 100  
120 21.5 0.0 43.2



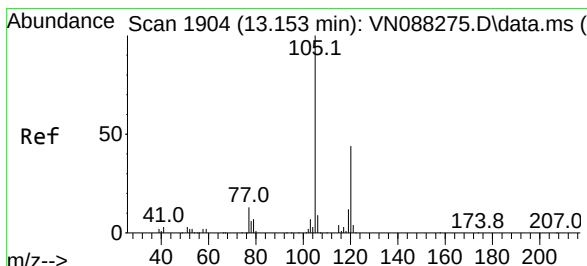
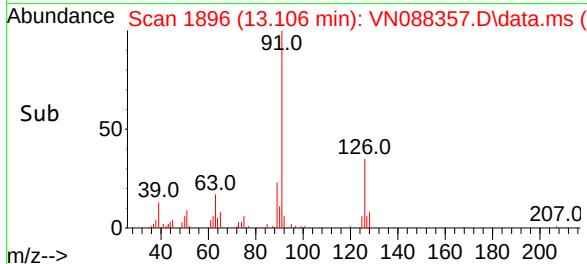
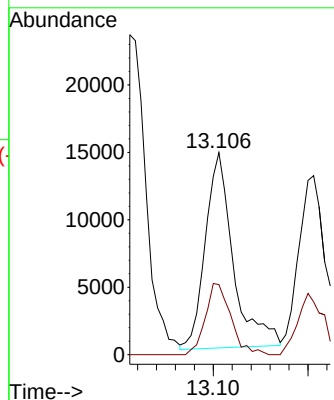
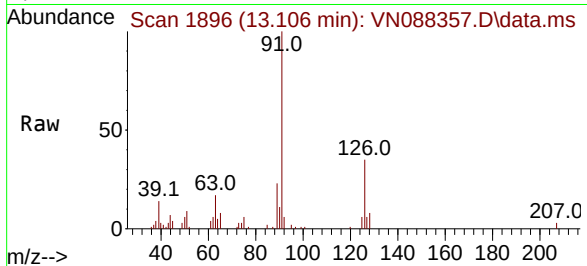




#75  
2-Chlorotoluene  
Concen: 2.699 ug/l  
RT: 13.106 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

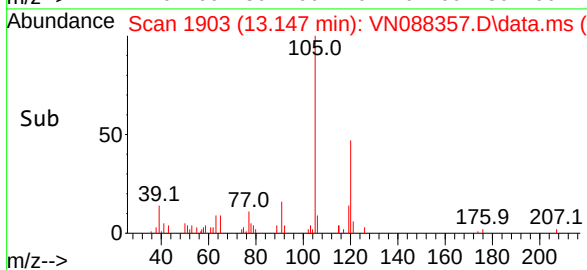
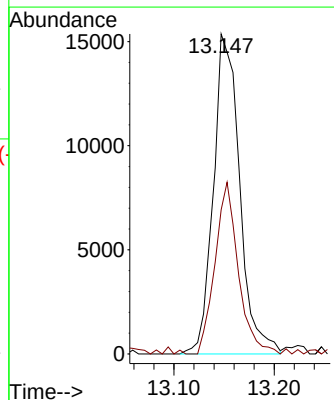
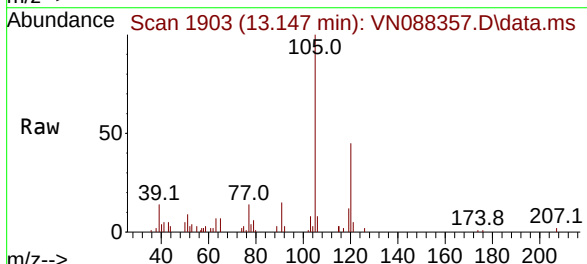
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

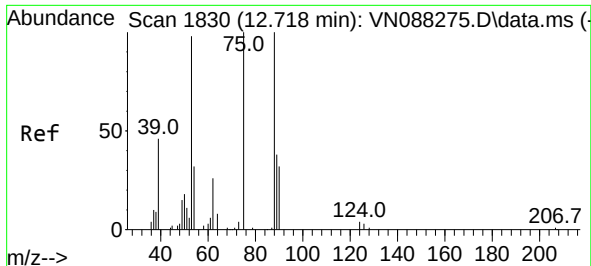
Tgt Ion: 91 Resp: 29745  
Ion Ratio Lower Upper  
91 100  
126 32.5 0.0 62.0



#76  
1,3,5-Trimethylbenzene  
Concen: 2.276 ug/l  
RT: 13.147 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 105 Resp: 27983  
Ion Ratio Lower Upper  
105 100  
120 47.5 0.0 94.6

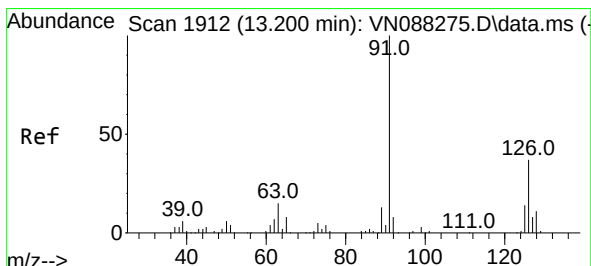
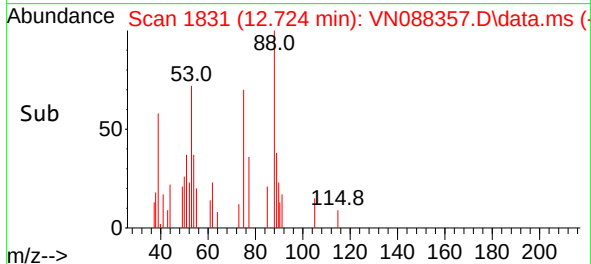
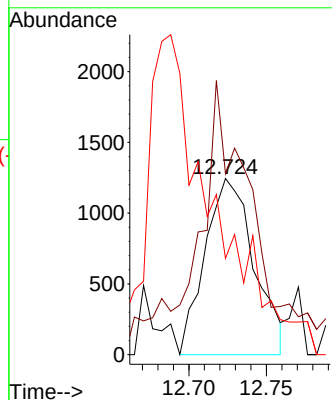
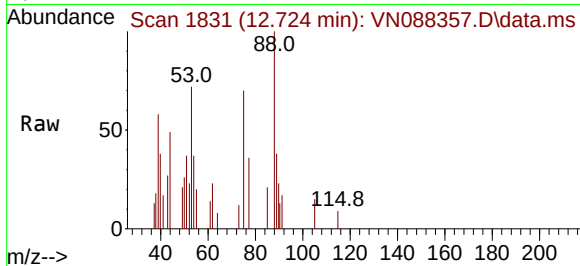




#77  
t-1,4-Dichloro-2-butene  
Concen: 1.739 ug/l  
RT: 12.724 min Scan# 1830  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

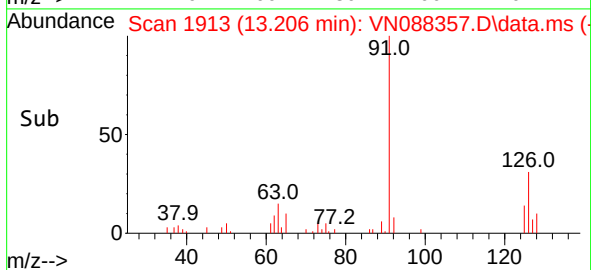
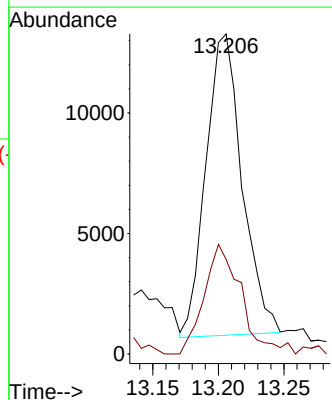
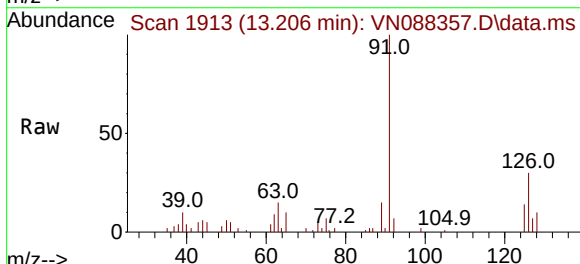
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

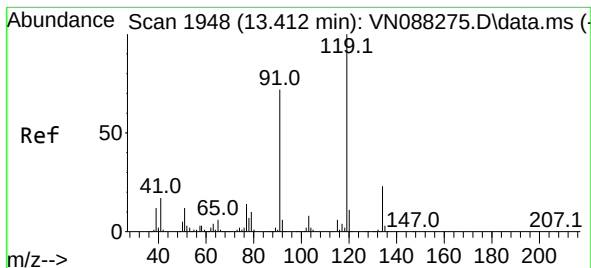
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 2745  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 75.3  | 50.0  | 150.0 |
| 89        | 34.8  | 22.3  | 66.9  |



#78  
4-Chlorotoluene  
Concen: 2.152 ug/l  
RT: 13.206 min Scan# 1913  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 24034 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 126       | 36.5  | 0.0   | 60.8  |





#79

tert-butylbenzene

Concen: 2.267 ug/l

RT: 13.418 min Scan# 1948

Delta R.T. 0.006 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

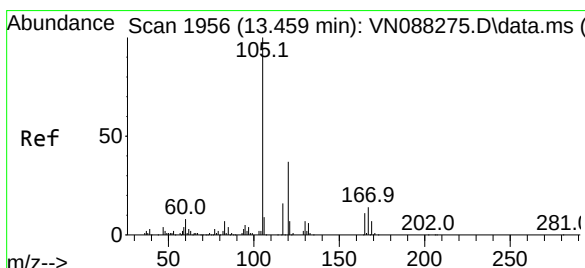
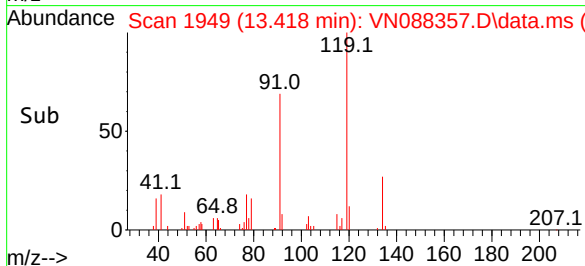
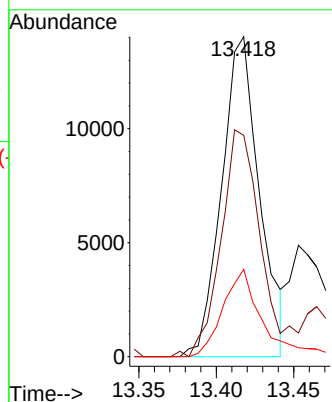
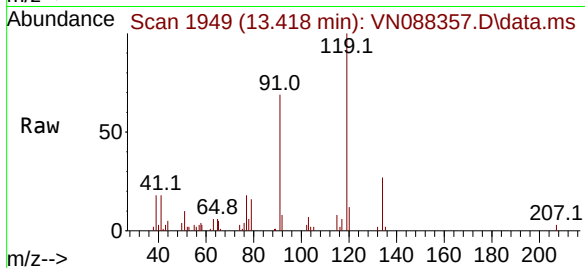
Tgt Ion:119 Resp: 23860

Ion Ratio Lower Upper

119 100

91 70.9 0.0 140.8

134 28.1 0.0 48.4



#80

1,2,4-Trimethylbenzene

Concen: 2.123 ug/l

RT: 13.465 min Scan# 1957

Delta R.T. 0.006 min

Lab File: VN088357.D

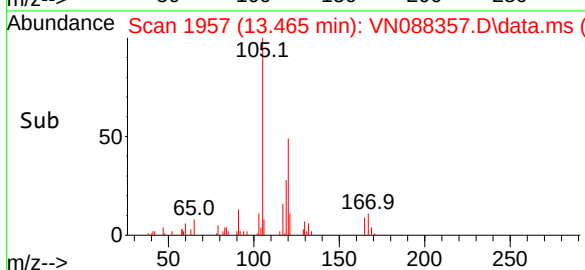
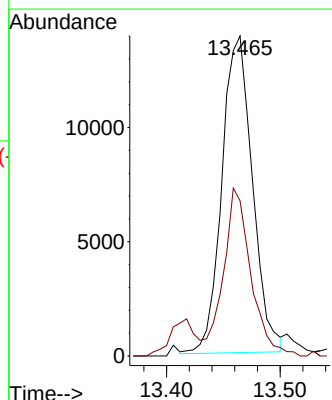
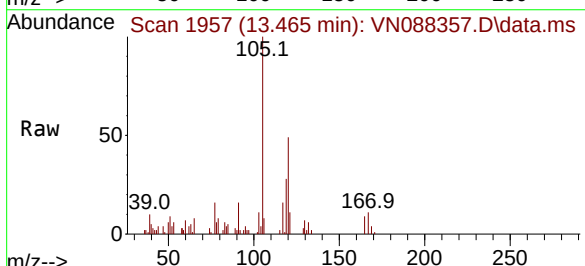
Acq: 25 Nov 2025 13:04

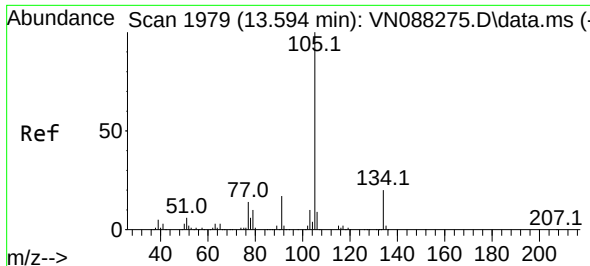
Tgt Ion:105 Resp: 25960

Ion Ratio Lower Upper

105 100

120 47.7 0.0 89.2

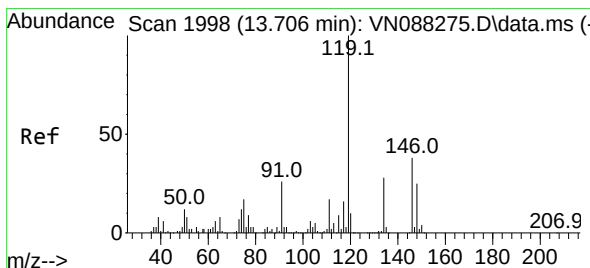
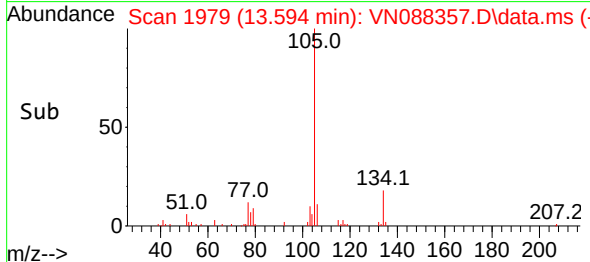
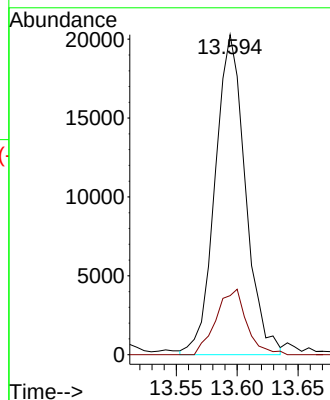
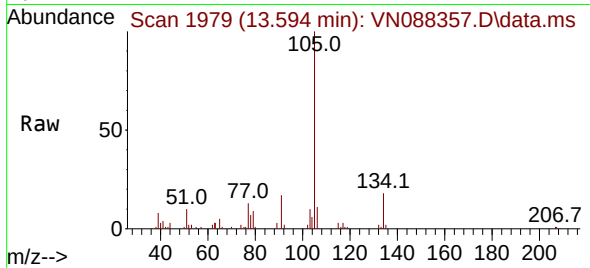




#81  
 sec-Butylbenzene  
 Concen: 2.293 ug/l  
 RT: 13.594 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VN088357.D  
 Acq: 25 Nov 2025 13:04

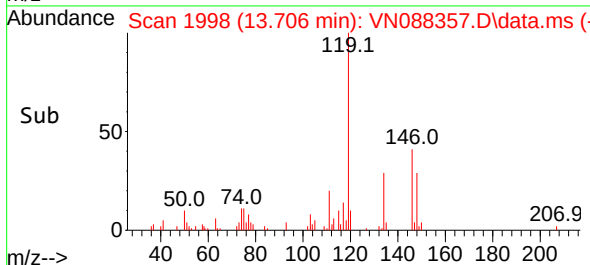
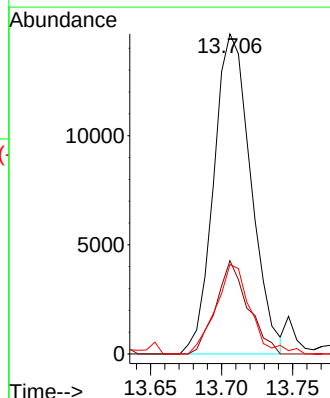
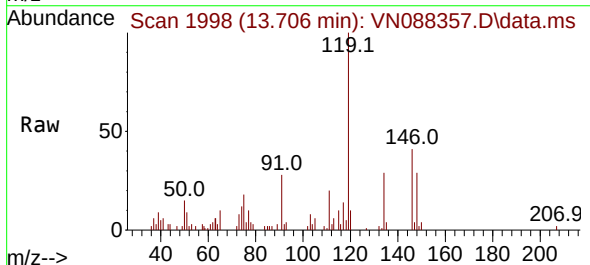
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2025

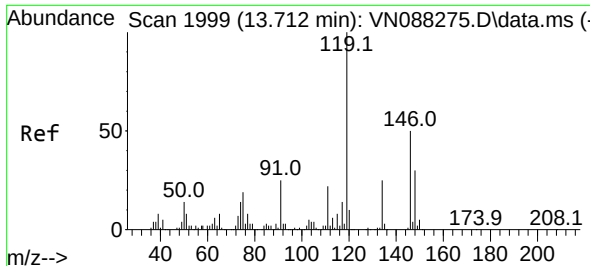
Tgt Ion:105 Resp: 35198  
 Ion Ratio Lower Upper  
 105 100  
 134 20.5 0.0 38.4



#82  
 p-Isopropyltoluene  
 Concen: 2.101 ug/l  
 RT: 13.706 min Scan# 1998  
 Delta R.T. 0.000 min  
 Lab File: VN088357.D  
 Acq: 25 Nov 2025 13:04

Tgt Ion:119 Resp: 26651  
 Ion Ratio Lower Upper  
 119 100  
 134 25.1 0.0 51.2  
 91 25.0 0.0 53.4

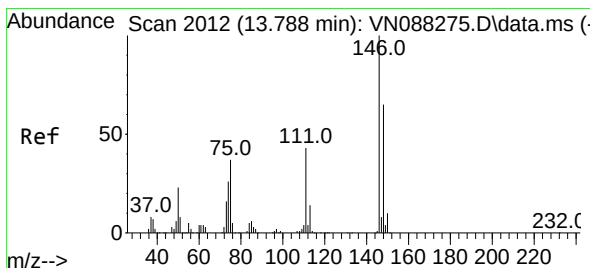
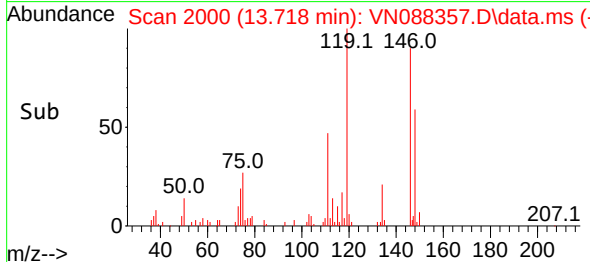
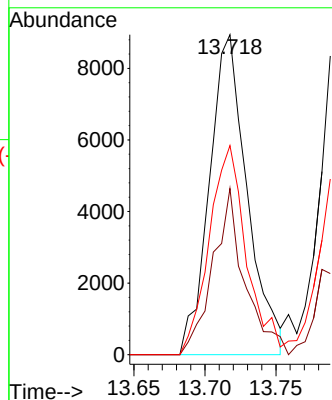
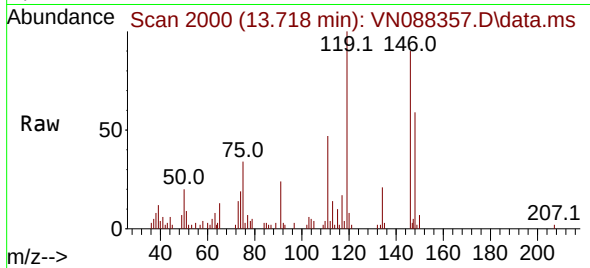




#83  
1,3-Dichlorobenzene  
Concen: 2.576 ug/l  
RT: 13.718 min Scan# 2012  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

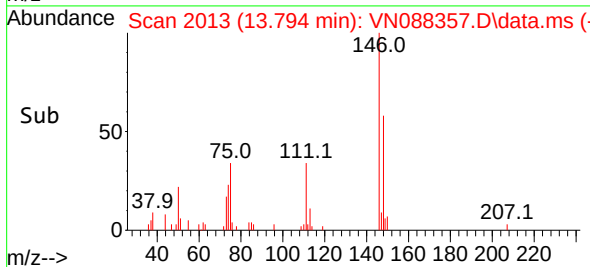
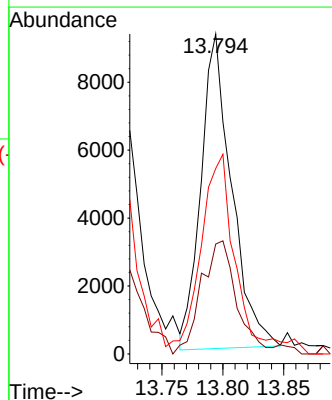
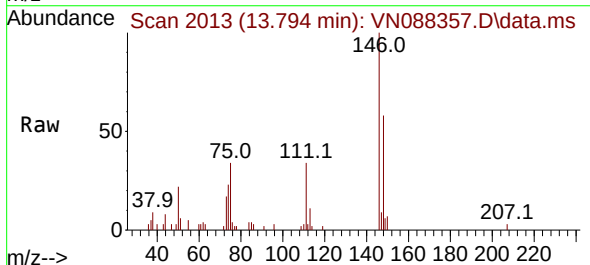
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

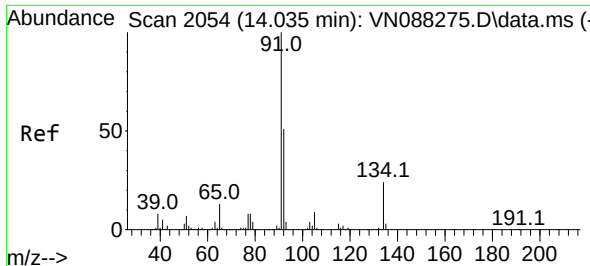
Tgt Ion:146 Resp: 16552  
Ion Ratio Lower Upper  
146 100  
111 42.6 22.1 66.5  
148 64.0 31.4 94.3



#84  
1,4-Dichlorobenzene  
Concen: 2.495 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion:146 Resp: 16236  
Ion Ratio Lower Upper  
146 100  
111 40.9 21.8 65.3  
148 68.7 31.9 95.5

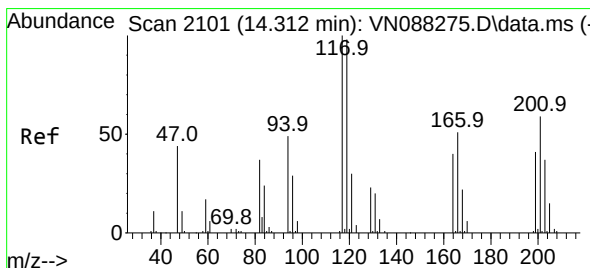
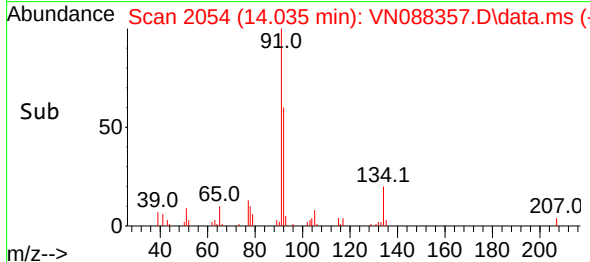
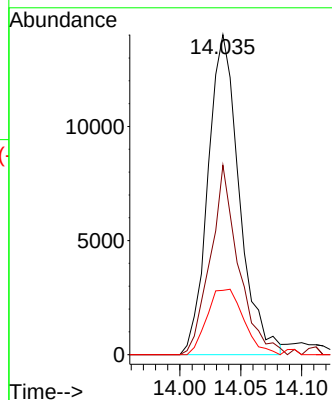
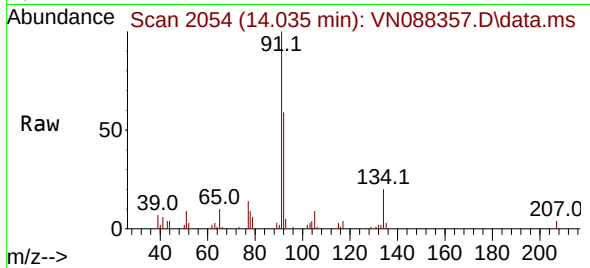




#85  
n-Butylbenzene  
Concen: 2.079 ug/l  
RT: 14.035 min Scan# 2054  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

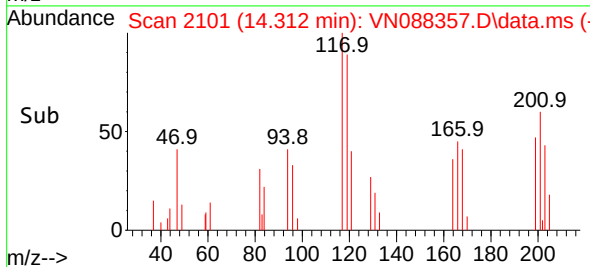
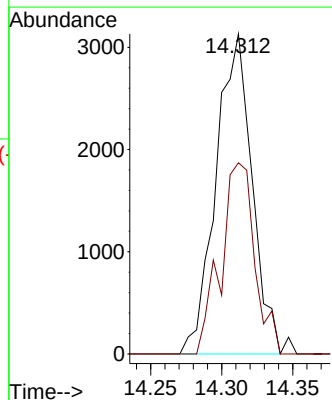
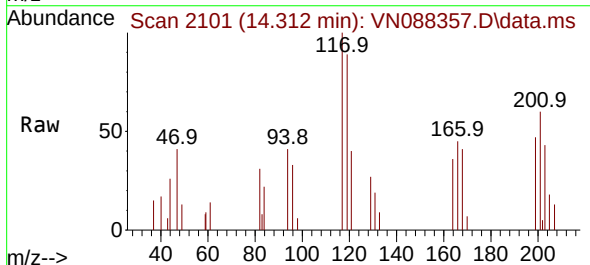
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

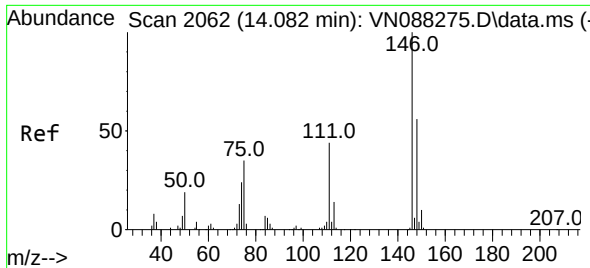
Tgt Ion: 91 Resp: 25140  
Ion Ratio Lower Upper  
91 100  
92 53.1 0.0 102.4  
134 23.8 0.0 45.8



#86  
Hexachloroethane  
Concen: 2.272 ug/l  
RT: 14.312 min Scan# 2101  
Delta R.T. 0.000 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion: 117 Resp: 5519  
Ion Ratio Lower Upper  
117 100  
201 56.4 30.6 92.0

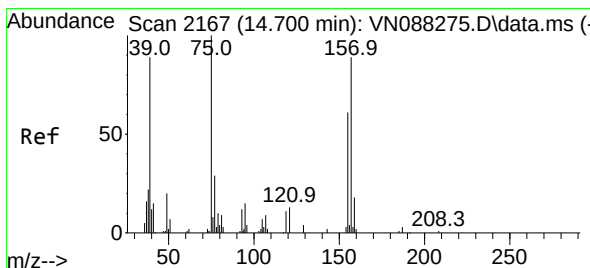
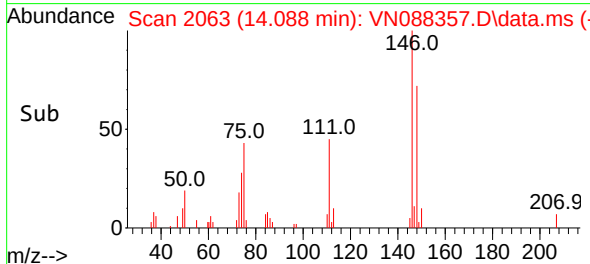
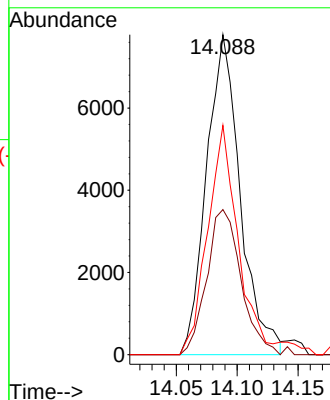
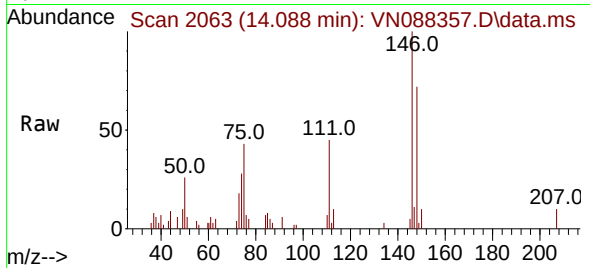




#87  
1,2-Dichlorobenzene  
Concen: 2.475 ug/l  
RT: 14.088 min Scan# 2062  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

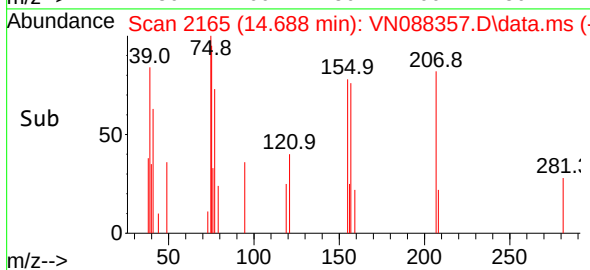
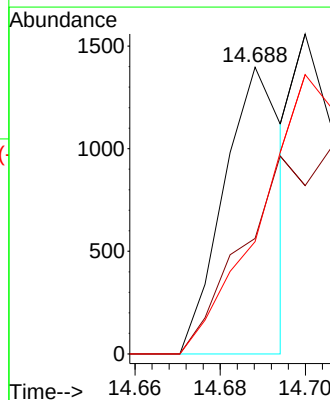
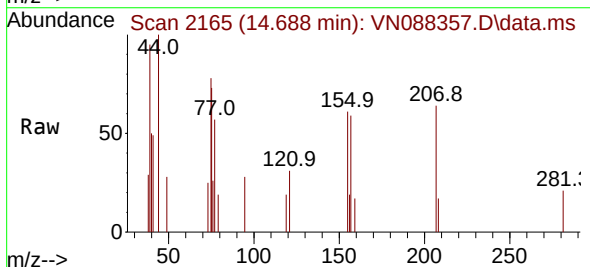
Instrument : MSVOA\_N  
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

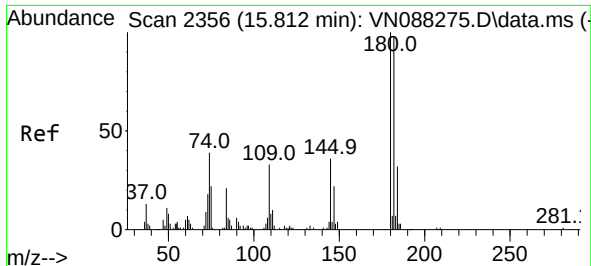
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 15009     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 46.1  | 23.0 69.0 |
| 148         | 64.6  | 31.1 93.2 |



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 1.214 ug/l  
RT: 14.688 min Scan# 2165  
Delta R.T. -0.012 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 1354        |
| Ion Ratio   | Lower | Upper       |
| 75          | 100   |             |
| 155         | 127.2 | 54.8 82.2#  |
| 157         | 162.4 | 70.7 106.1# |

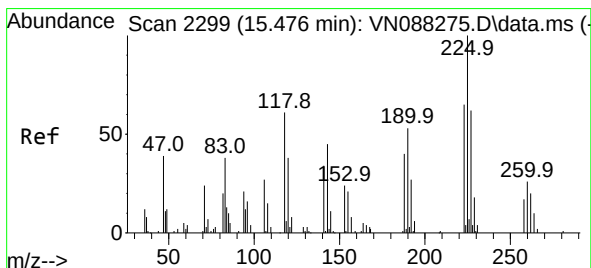
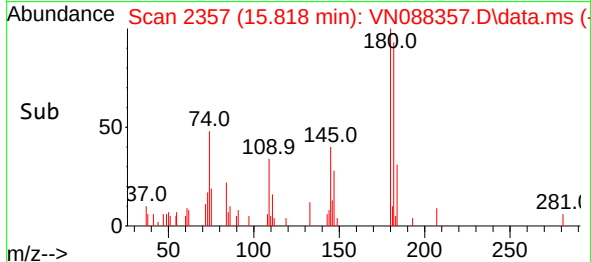
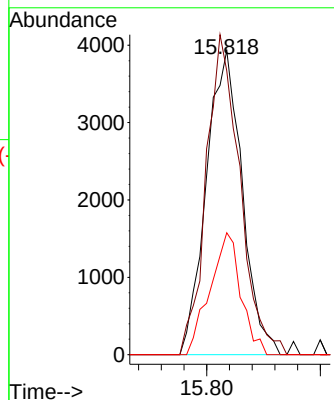
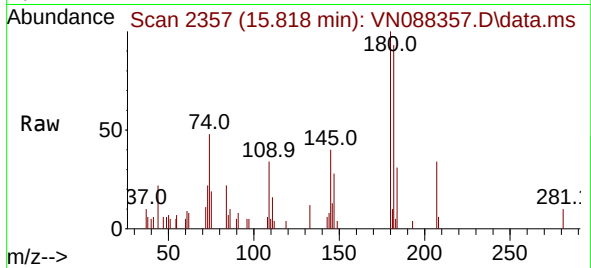




#89  
1,2,4-Trichlorobenzene  
Concen: 2.530 ug/l  
RT: 15.818 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

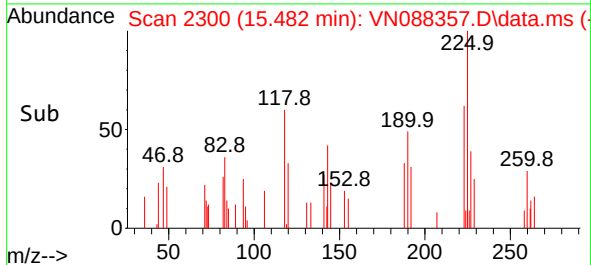
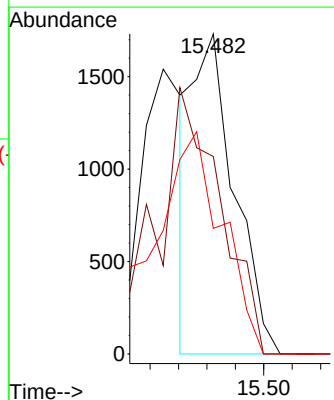
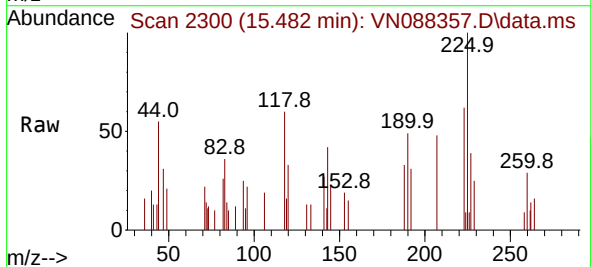
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:180 Resp: 8611  
Ion Ratio Lower Upper  
180 100  
182 98.5 77.3 115.9  
145 34.6 30.2 45.4

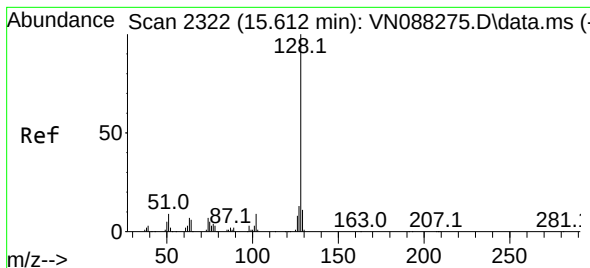


#90  
Hexachlorobutadiene  
Concen: 1.336 ug/l  
RT: 15.482 min Scan# 2300  
Delta R.T. 0.006 min  
Lab File: VN088357.D  
Acq: 25 Nov 2025 13:04

Tgt Ion:225 Resp: 1765  
Ion Ratio Lower Upper  
225 100  
223 92.9 0.0 132.0  
227 113.8 0.0 132.6







#91

Naphthalene

Concen: 2.168 ug/l

RT: 15.618 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

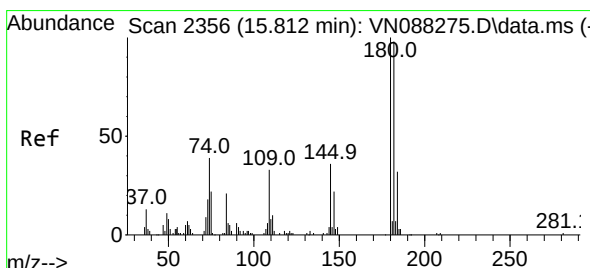
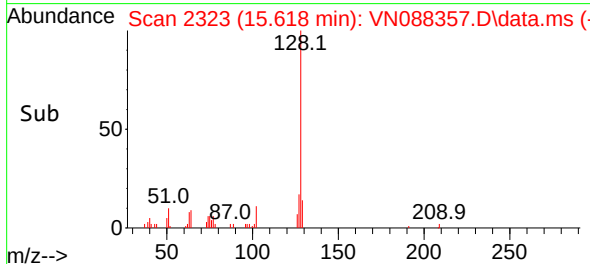
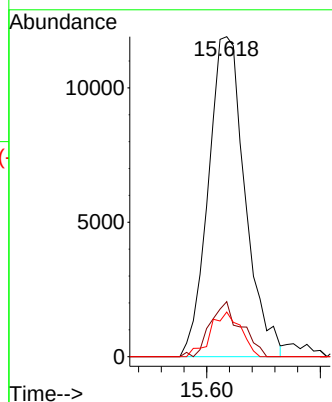
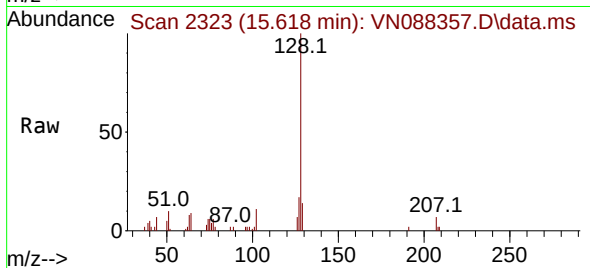
Tgt Ion:128 Resp: 26691

Ion Ratio Lower Upper

128 100

127 11.7 10.6 16.0

129 10.7 8.8 13.2



#92

1,2,3-Trichlorobenzene

Concen: 2.530 ug/l

RT: 15.818 min Scan# 2357

Delta R.T. 0.006 min

Lab File: VN088357.D

Acq: 25 Nov 2025 13:04

Tgt Ion:180 Resp: 8611

Ion Ratio Lower Upper

180 100

182 98.5 0.0 193.2

145 34.6 0.0 75.6

