

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042325\  
 Data File : VN086389.D  
 Acq On : 23 Apr 2025 18:01  
 Operator : JC\MD  
 Sample : Q1168-08 5.0PPB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2025

Quant Time: Apr 24 05:37:26 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Apr 24 05:35:39 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Bromochloromethane        | 7.812  | 128   | 26521    | 30.000   | ug/l       | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100  | 114   | 157639   | 30.000   | ug/l       | 0.00     |
| 57) Chlorobenzene-d5         | 11.865 | 117   | 143224   | 30.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 27) 1,2-Dichloroethane-d4    | 8.577  | 65    | 77644    | 30.366   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | = 101.233% |          |
| 60) 4-Bromofluorobenzene     | 12.847 | 95    | 79121    | 28.107   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | = 93.700%  |          |
| 63) Toluene-d8               | 10.565 | 98    | 240260   | 30.492   | ug/l       | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | = 101.633% |          |
| Target Compounds             |        |       |          |          |            |          |
|                              |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 9361     | 5.113    | ug/l       | 86       |
| 3) Chloromethane             | 2.359  | 50    | 13961    | 5.368    | ug/l       | 93       |
| 4) Vinyl Chloride            | 2.512  | 62    | 12748    | 5.118    | ug/l       | 98       |
| 5) Bromomethane              | 2.953  | 94    | 7436     | 5.718    | ug/l       | 95       |
| 6) Chloroethane              | 3.124  | 64    | 8708     | 5.244    | ug/l       | 90       |
| 7) Trichlorofluoromethane    | 3.494  | 101   | 15467    | 5.260    | ug/l       | 98       |
| 8) Diethyl Ether             | 3.959  | 74    | 6664     | 5.369    | ug/l       | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365  | 101   | 9575     | 5.297    | ug/l       | 94       |
| 10) 1,1-Dichloroethene       | 4.341  | 96    | 9923     | 5.363    | ug/l       | 93       |
| 11) Methyl Iodide            | 4.589  | 142   | 11484    | 5.305    | ug/l       | 93       |
| 12) Methyl Acetate           | 5.024  | 43    | 13285    | 5.066    | ug/l       | 97       |
| 13) Acrolein                 | 4.183  | 56    | 6164     | 46.371   | ug/l #     | 74       |
| 14) Acrylonitrile            | 5.718  | 53    | 26600    | 27.254   | ug/l       | 99       |
| 15) Acetone                  | 4.430  | 58    | 6649     | 24.722   | ug/l       | 90       |
| 16) Carbon Disulfide         | 4.712  | 76    | 26878    | 5.513    | ug/l       | 98       |
| 17) Allyl chloride           | 5.024  | 41    | 15352    | 5.189    | ug/l       | 95       |
| 18) Methylene Chloride       | 5.277  | 84    | 11419    | 5.420    | ug/l       | 96       |
| 19) trans-1,2-Dichloroethene | 5.788  | 96    | 10390    | 5.269    | ug/l       | 86       |
| 20) Diisopropyl ether        | 6.671  | 45    | 34358    | 4.884    | ug/l       | 99       |
| 21) 1,1-Dichloroethane       | 6.565  | 63    | 19967    | 5.186    | ug/l       | 96       |
| 22) cis-1,2-Dichloroethene   | 7.488  | 96    | 13189    | 5.349    | ug/l       | 94       |
| 23) tert-Butyl Alcohol       | 5.518  | 59    | 11381    | 30.101   | ug/l #     | 100      |
| 24) Methyl tert-Butyl Ether  | 5.794  | 73    | 36228    | 5.300    | ug/l       | 99       |
| 25) Chloroform               | 7.965  | 83    | 20593    | 5.285    | ug/l       | 96       |
| 26) Cyclohexane              | 8.259  | 56    | 17770    | 5.227    | ug/l #     | 100      |
| 29) 1,1-Dichloropropene      | 8.365  | 75    | 14224    | 5.118    | ug/l       | 99       |
| 30) 2-Butanone               | 7.482  | 43    | 35205    | 26.100   | ug/l       | 98       |
| 31) 2,2-Dichloropropane      | 7.488  | 77    | 17532    | 4.908    | ug/l       | 97       |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97    | 17684    | 5.325    | ug/l       | 97       |
| 33) Carbon Tetrachloride     | 8.359  | 117   | 14279    | 5.223    | ug/l       | 89       |
| 34) Benzene                  | 8.600  | 78    | 46427    | 5.252    | ug/l #     | 84       |
| 35) Methacrylonitrile        | 7.777  | 41    | 8703     | 5.656    | ug/l       | 90       |
| 36) 1,2-Dichloroethane       | 8.665  | 62    | 15548    | 5.418    | ug/l #     | 93       |
| 37) Trichloroethene          | 9.353  | 130   | 10935    | 4.942    | ug/l       | 93       |
| 38) Methylcyclohexane        | 9.600  | 83    | 16324    | 5.086    | ug/l       | 99       |
| 39) 1,2-Dichloropropane      | 9.618  | 63    | 11313    | 5.181    | ug/l       | 97       |
| 40) Dibromomethane           | 9.706  | 93    | 7748     | 5.306    | ug/l       | 97       |
| 41) Bromodichloromethane     | 9.882  | 83    | 15747    | 5.096    | ug/l #     | 98       |
| 42) Vinyl Acetate            | 6.600  | 43    | 127596   | 27.307   | ug/l       | 100      |

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 Sample : Q1168-08 5.0PPB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

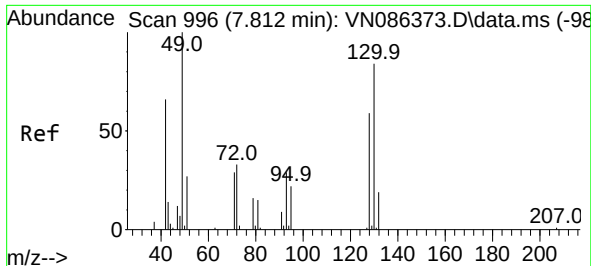
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 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2025

Quant Time: Apr 24 05:37:26 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Apr 24 05:35:39 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.565  | 43   | 12694    | 4.755   | ug/l # | 76       |
| 44) Isopropyl Acetate         | 8.682  | 43   | 30759    | 6.071   | ug/l   | 94       |
| 45) 1,4-Dioxane               | 9.688  | 88   | 4252     | 107.569 | ug/l # | 94       |
| 46) Methyl methacrylate       | 9.676  | 41   | 12363    | 5.290   | ug/l   | 96       |
| 47) n-amyl Acetate            | 12.488 | 43   | 21337    | 4.941   | ug/l   | 98       |
| 48) t-1,3-Dichloropropene     | 10.835 | 75   | 16925    | 4.899   | ug/l   | 91       |
| 49) cis-1,3-Dichloropropene   | 10.312 | 75   | 18697    | 5.132   | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 11.012 | 97   | 11211    | 5.496   | ug/l   | 94       |
| 51) Ethyl methacrylate        | 10.870 | 69   | 17506    | 4.928   | ug/l   | 94       |
| 52) 1,3-Dichloropropane       | 11.159 | 76   | 18979    | 5.265   | ug/l   | 96       |
| 53) Dibromochloromethane      | 11.353 | 129  | 11554    | 5.045   | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.465 | 107  | 11058    | 5.332   | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 41677    | 24.953  | ug/l   | 99       |
| 56) Bromoform                 | 12.570 | 173  | 7186     | 4.835   | ug/l # | 98       |
| 58) 4-Methyl-2-Pentanone      | 10.441 | 43   | 74692    | 26.949  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 54564    | 26.715  | ug/l   | 99       |
| 61) Tetrachloroethene         | 11.100 | 164  | 10870    | 4.976   | ug/l   | 95       |
| 62) Toluene                   | 10.629 | 91   | 50994    | 5.319   | ug/l   | 98       |
| 64) Chlorobenzene             | 11.888 | 112  | 30934    | 5.178   | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 9761     | 4.887   | ug/l   | 93       |
| 66) Ethyl Benzene             | 11.959 | 91   | 53014    | 4.913   | ug/l   | 94       |
| 67) m/p-Xylenes               | 12.070 | 106  | 40778    | 9.959   | ug/l   | 99       |
| 68) o-Xylene                  | 12.394 | 106  | 20119    | 5.019   | ug/l   | 98       |
| 69) Styrene                   | 12.406 | 104  | 31818    | 4.683   | ug/l   | 98       |
| 70) Isopropylbenzene          | 12.694 | 105  | 48906    | 4.887   | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 14719    | 5.586   | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane    | 12.988 | 75   | 19852    | 8.641   | ug/l   | 39       |
| 73) Bromobenzene              | 12.976 | 156  | 11208    | 4.872   | ug/l   | 99       |
| 74) n-propylbenzene           | 13.035 | 91   | 55850    | 4.697   | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 35741    | 4.815   | ug/l   | 97       |
| 76) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 40283    | 4.906   | ug/l   | 96       |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 5490     | 4.709   | ug/l   | 91       |
| 78) 4-Chlorotoluene           | 13.217 | 91   | 35319    | 4.758   | ug/l   | 99       |
| 79) tert-butylbenzene         | 13.435 | 119  | 34022    | 4.838   | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 38889    | 4.637   | ug/l   | 97       |
| 81) sec-Butylbenzene          | 13.611 | 105  | 46549    | 4.637   | ug/l   | 100      |
| 82) p-Isopropyltoluene        | 13.723 | 119  | 36960    | 4.400   | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 20416    | 4.694   | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.811 | 146  | 20170    | 4.694   | ug/l   | 97       |
| 85) n-Butylbenzene            | 14.053 | 91   | 31187    | 4.161   | ug/l   | 99       |
| 86) Hexachloroethane          | 14.335 | 117  | 6110     | 4.448   | ug/l   | 99       |
| 87) 1,2-Dichlorobenzene       | 14.100 | 146  | 20396    | 4.929   | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 2760     | 5.153   | ug/l   | 96       |
| 89) 1,2,4-Trichlorobenzene    | 15.841 | 180  | 8905     | 4.721   | ug/l   | 96       |
| 90) Hexachlorobutadiene       | 15.500 | 225  | 3283     | 4.321   | ug/l   | 92       |
| 91) Naphthalene               | 15.635 | 128  | 31306    | 4.636   | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 8905     | 4.721   | ug/l   | 96       |

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

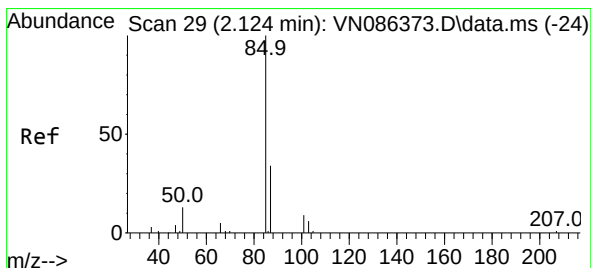
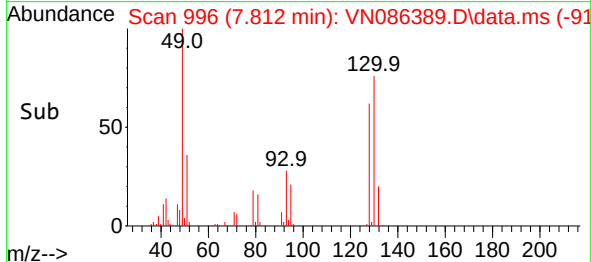
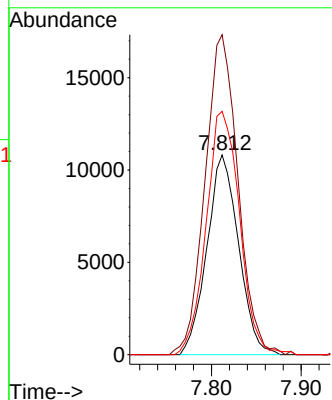
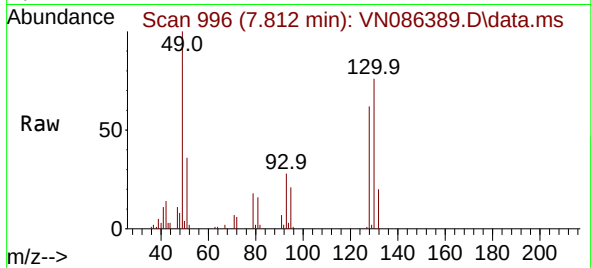




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

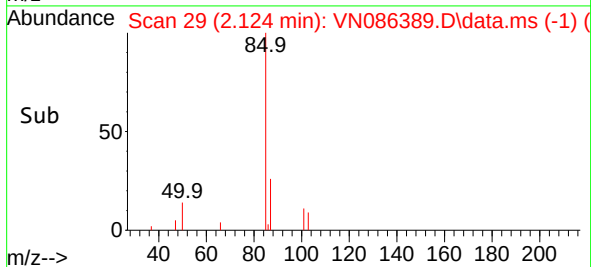
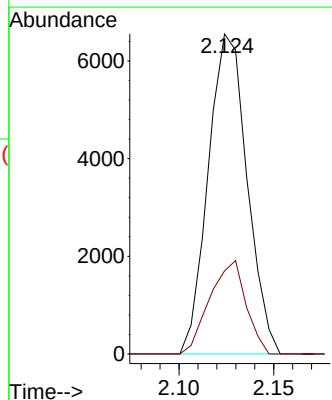
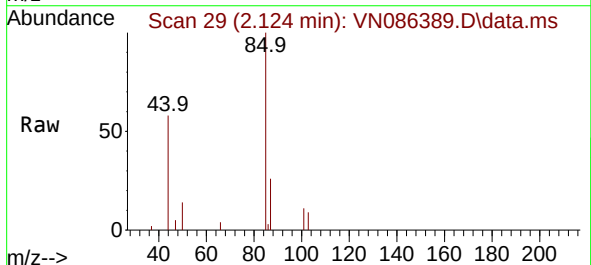
Instrument :  
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LOQ-WATER-02-QT1-2025

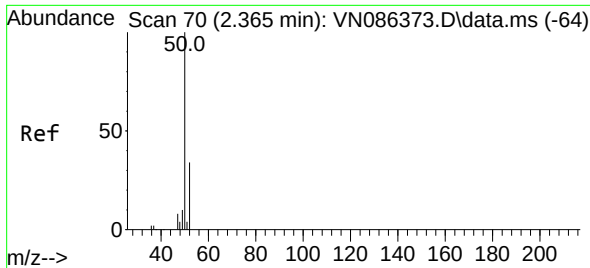
Tgt Ion:128 Resp: 26521  
Ion Ratio Lower Upper  
128 100  
49 165.7 0.0 433.8  
130 128.6 0.0 325.0



#2  
Dichlorodifluoromethane  
Concen: 5.113 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 85 Resp: 9361  
Ion Ratio Lower Upper  
85 100  
87 25.9 17.0 50.9

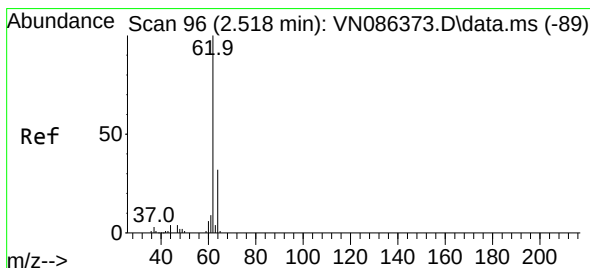
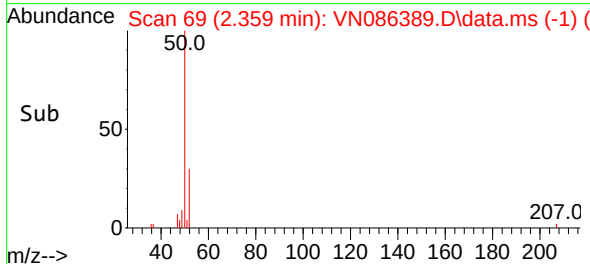
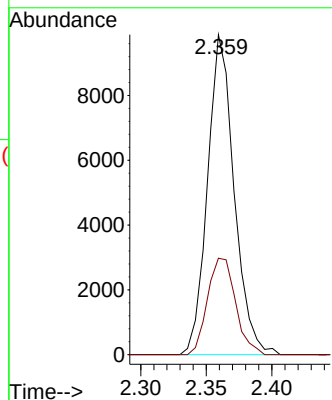
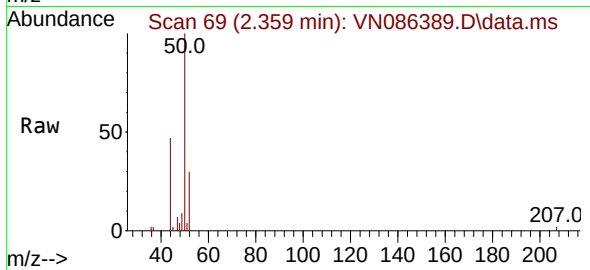




#3  
Chloromethane  
Concen: 5.368 ug/l  
RT: 2.359 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

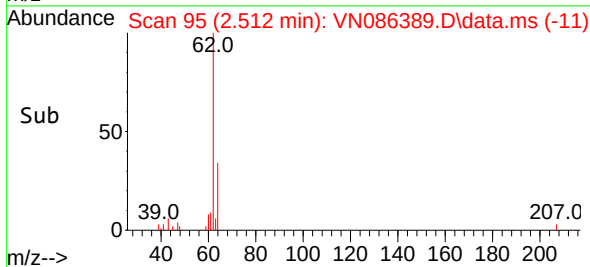
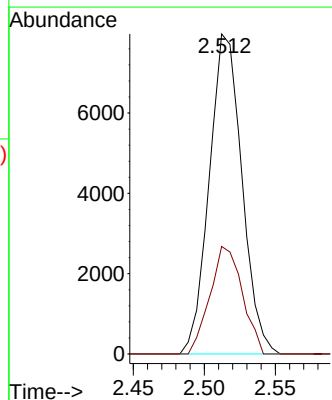
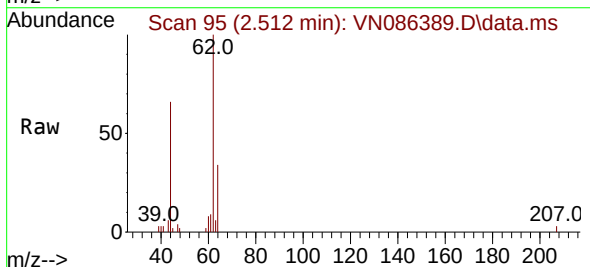
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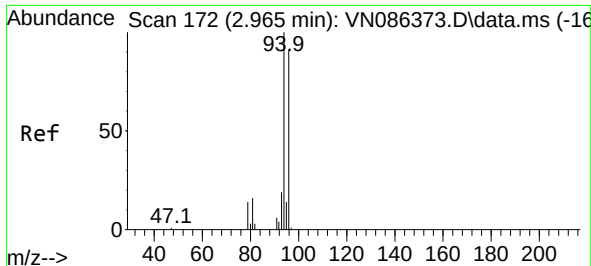
Tgt Ion: 50 Resp: 13961  
Ion Ratio Lower Upper  
50 100  
52 30.1 27.3 40.9



#4  
Vinyl Chloride  
Concen: 5.118 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. -0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 62 Resp: 12748  
Ion Ratio Lower Upper  
62 100  
64 33.6 25.8 38.8

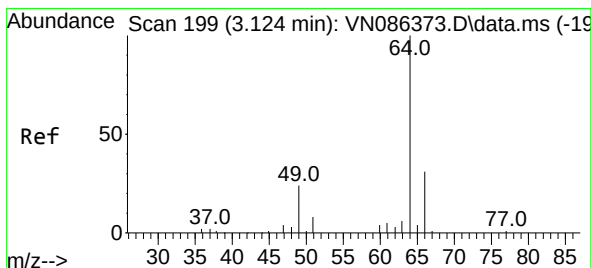
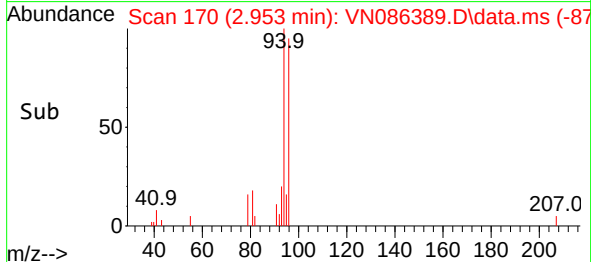
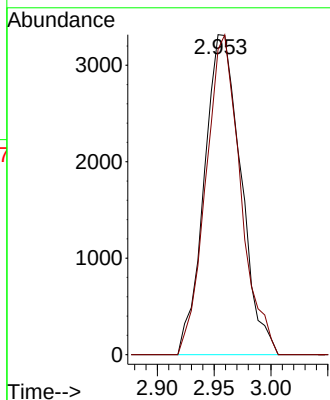
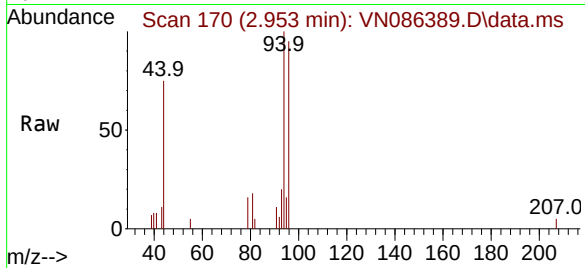




#5  
Bromomethane  
Concen: 5.718 ug/l  
RT: 2.953 min Scan# 172  
Delta R.T. -0.012 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

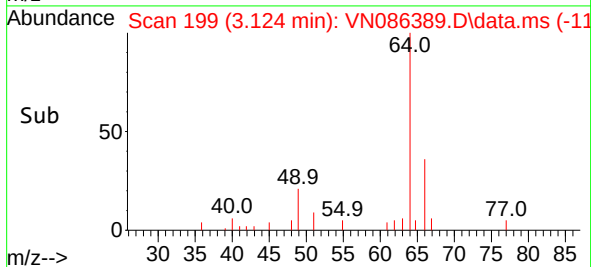
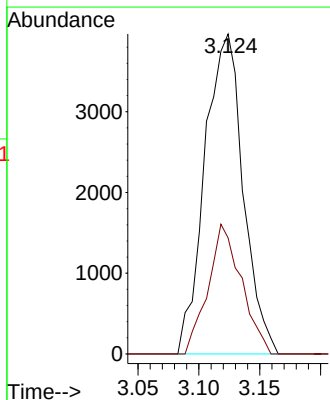
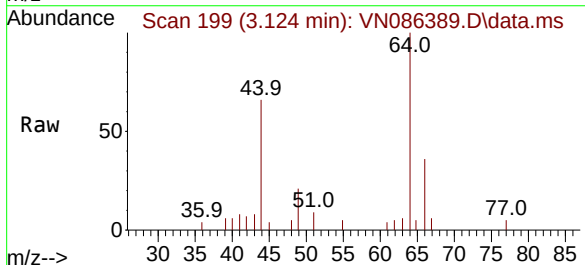
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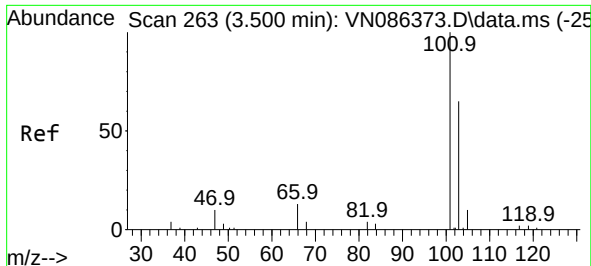
Tgt Ion: 94 Resp: 7436  
Ion Ratio Lower Upper  
94 100  
96 95.4 72.4 108.6



#6  
Chloroethane  
Concen: 5.244 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 64 Resp: 8708  
Ion Ratio Lower Upper  
64 100  
66 36.2 24.5 36.7

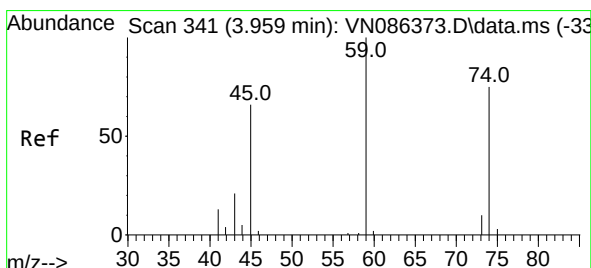
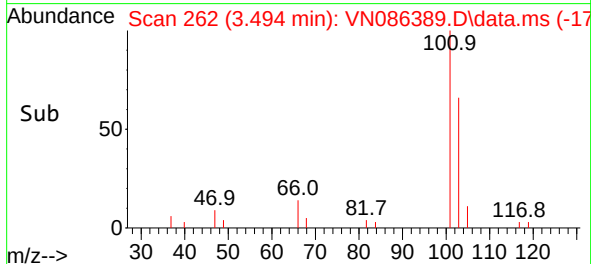
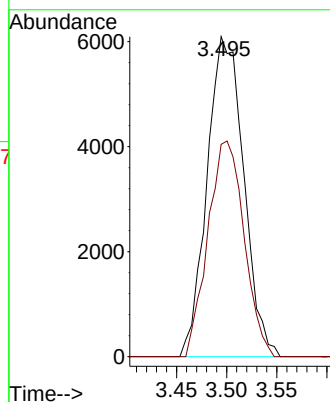
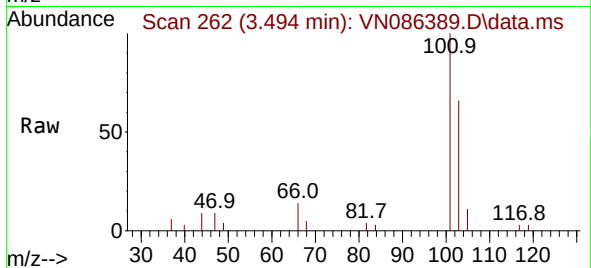




#7  
 Trichlorofluoromethane  
 Concen: 5.260 ug/l  
 RT: 3.494 min Scan# 262  
 Delta R.T. -0.006 min  
 Lab File: VN086389.D  
 Acq: 23 Apr 2025 18:01

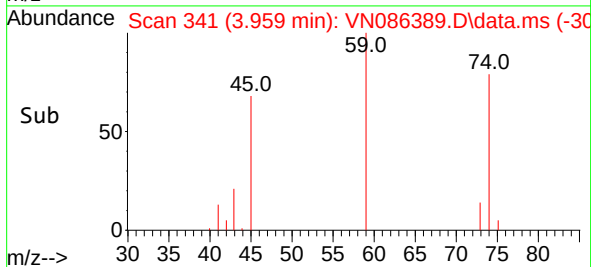
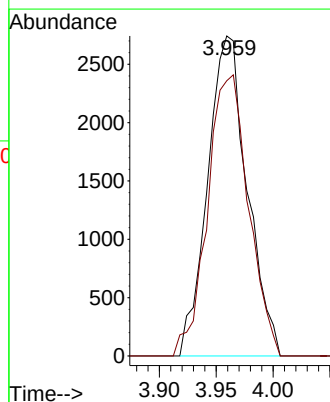
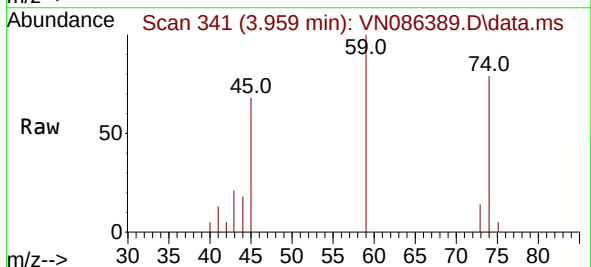
Instrument :  
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 ClientSampleId :  
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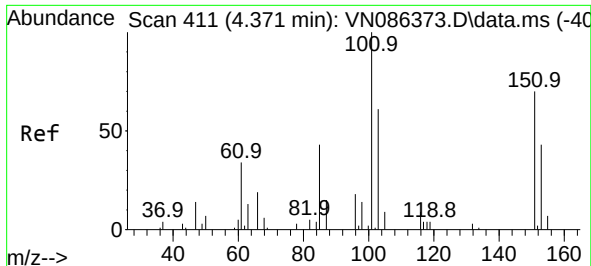
Tgt Ion:101 Resp: 15467  
 Ion Ratio Lower Upper  
 101 100  
 103 66.3 51.8 77.6



#8  
 Diethyl Ether  
 Concen: 5.369 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. -0.000 min  
 Lab File: VN086389.D  
 Acq: 23 Apr 2025 18:01

Tgt Ion: 74 Resp: 6664  
 Ion Ratio Lower Upper  
 74 100  
 45 90.6 18.5 166.3

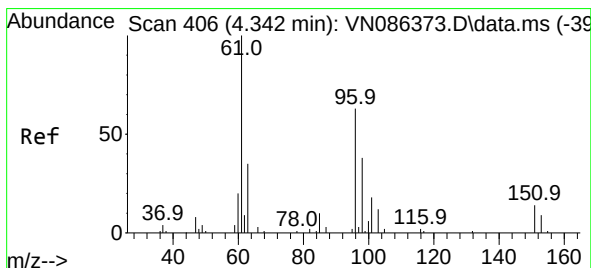
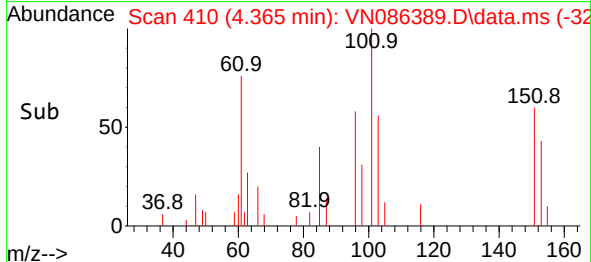
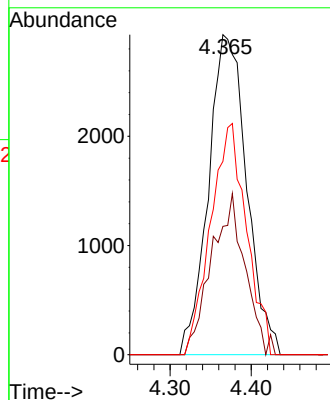
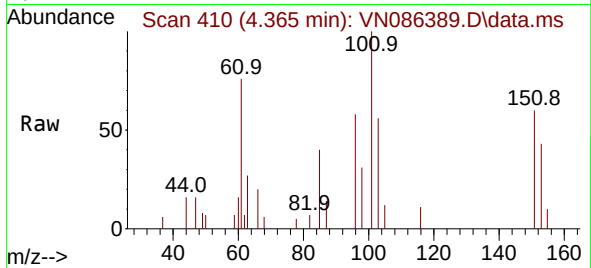




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 5.297 ug/l  
 RT: 4.365 min Scan# 411  
 Delta R.T. -0.006 min  
 Lab File: VN086389.D  
 Acq: 23 Apr 2025 18:01

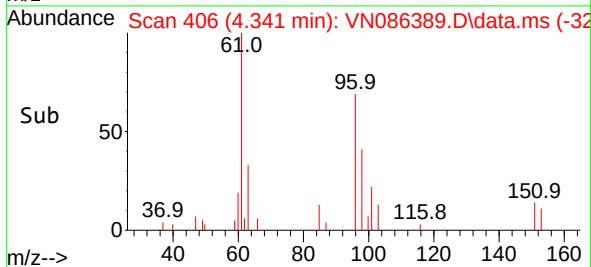
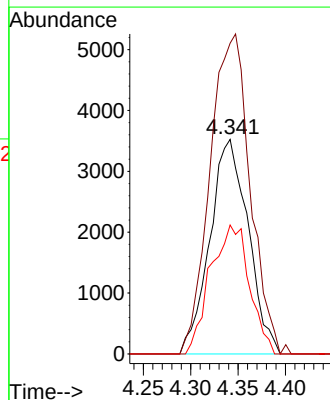
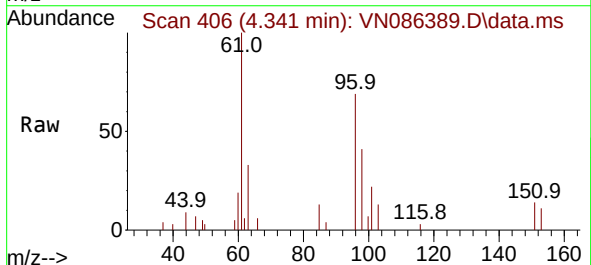
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2025

Tgt Ion: 101 Resp: 9575  
 Ion Ratio Lower Upper  
 101 100  
 85 43.7 0.0 84.4  
 151 66.3 0.0 145.8

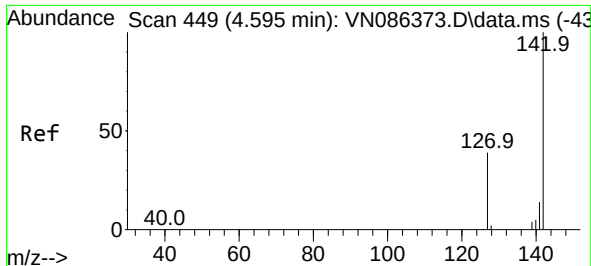


#10  
 1,1-Dichloroethene  
 Concen: 5.363 ug/l  
 RT: 4.341 min Scan# 406  
 Delta R.T. -0.000 min  
 Lab File: VN086389.D  
 Acq: 23 Apr 2025 18:01

Tgt Ion: 96 Resp: 9923  
 Ion Ratio Lower Upper  
 96 100  
 61 144.8 126.2 189.4  
 98 60.1 48.5 72.7



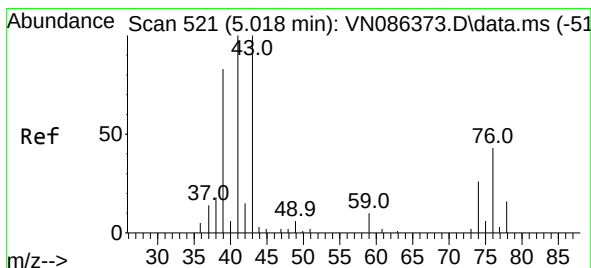
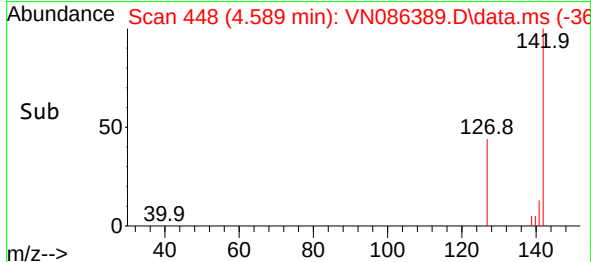
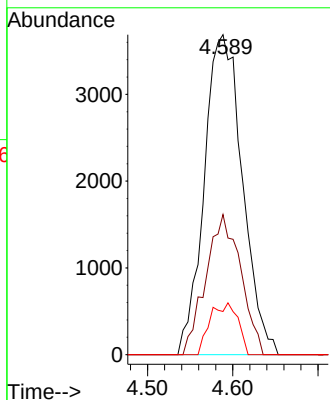
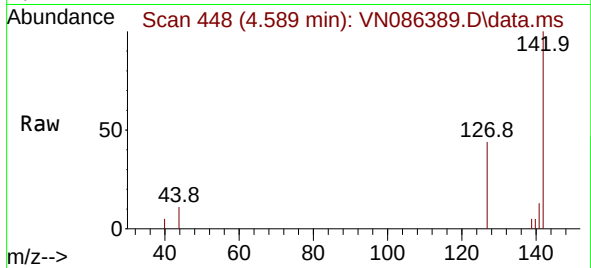




#11  
Methyl Iodide  
Concen: 5.305 ug/l  
RT: 4.589 min Scan# 449  
Delta R.T. -0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

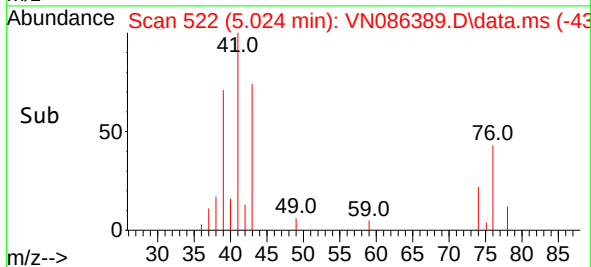
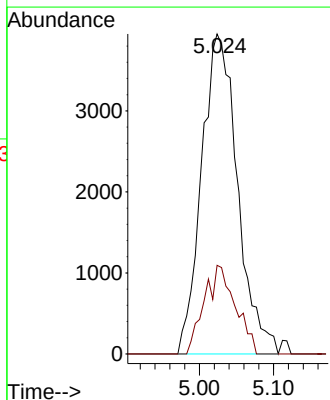
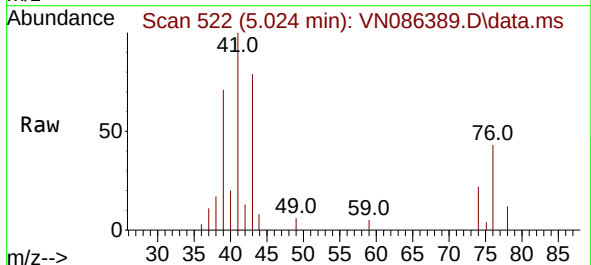
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

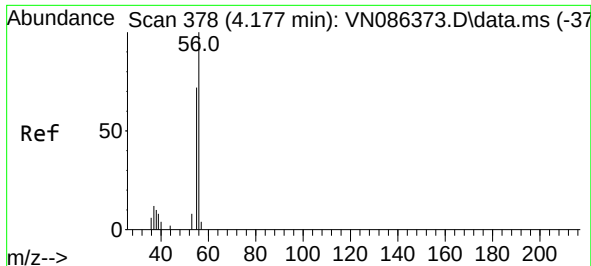
Tgt Ion:142 Resp: 11484  
Ion Ratio Lower Upper  
142 100  
127 43.8 19.3 57.9  
141 13.5 7.1 21.3



#12  
Methyl Acetate  
Concen: 5.066 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 43 Resp: 13285  
Ion Ratio Lower Upper  
43 100  
74 27.7 20.8 31.2





#13

Acrolein

Concen: 46.371 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

Instrument :

MSVOA\_N

ClientSampleId :

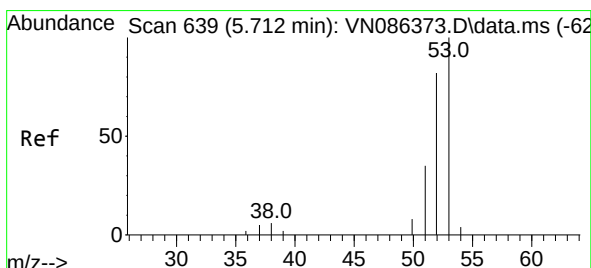
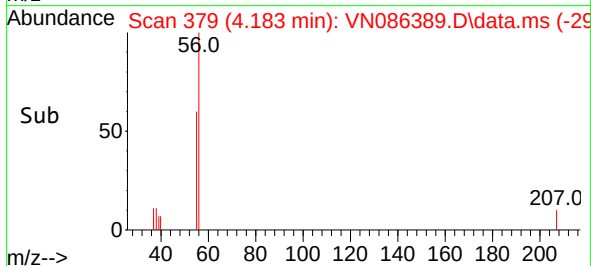
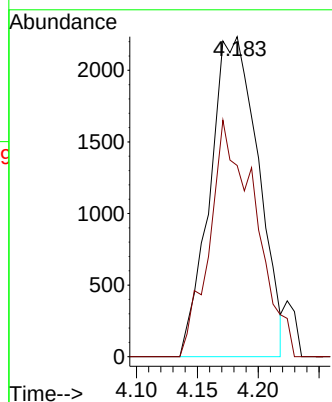
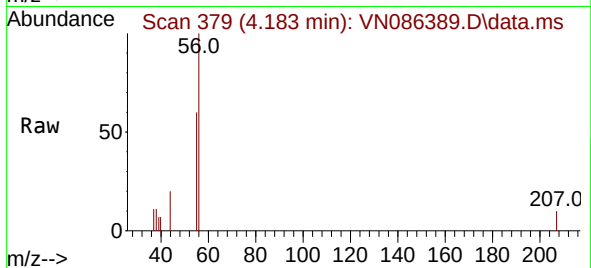
LOQ-WATER-02-QT1-2025

Tgt Ion: 56 Resp: 6164

Ion Ratio Lower Upper

56 100

55 48.4 56.1 84.1#



#14

Acrylonitrile

Concen: 27.254 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.006 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

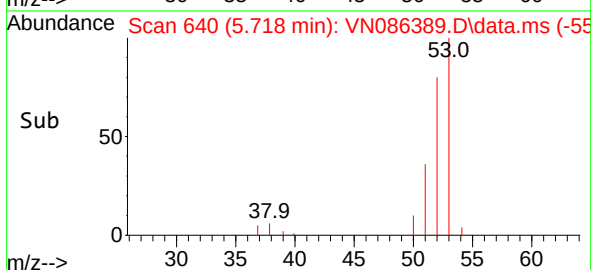
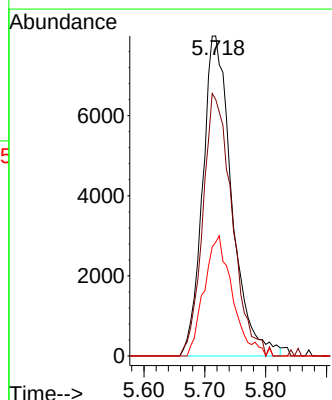
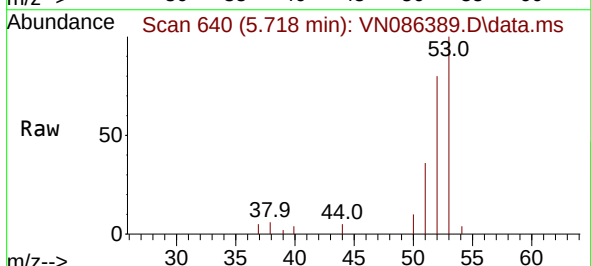
Tgt Ion: 53 Resp: 26600

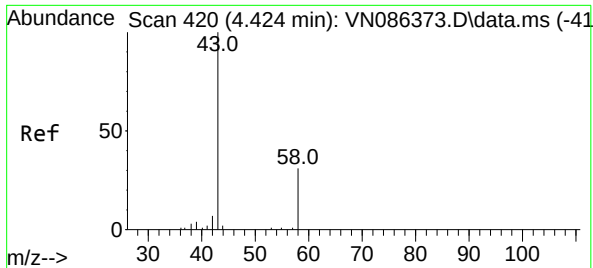
Ion Ratio Lower Upper

53 100

52 81.5 41.2 123.6

51 35.1 17.6 52.8





#15

Acetone

Concen: 24.722 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

Instrument :

MSVOA\_N

ClientSampleId :

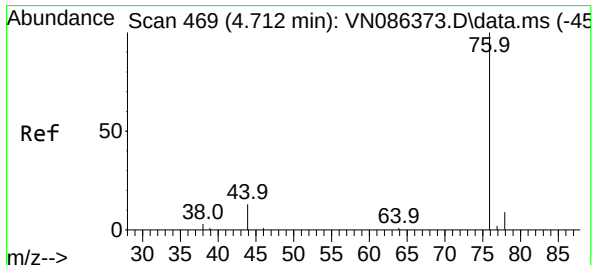
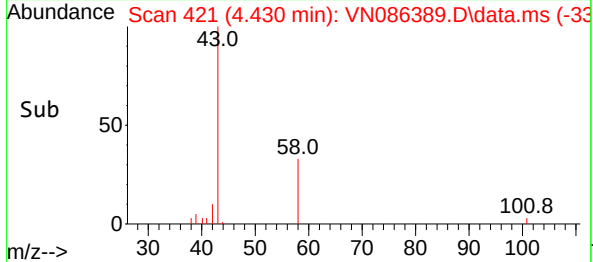
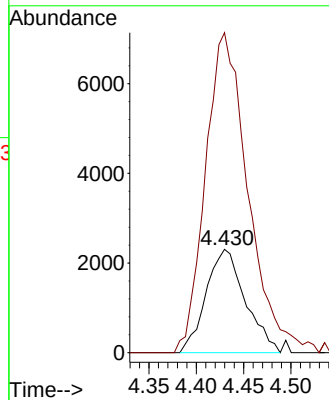
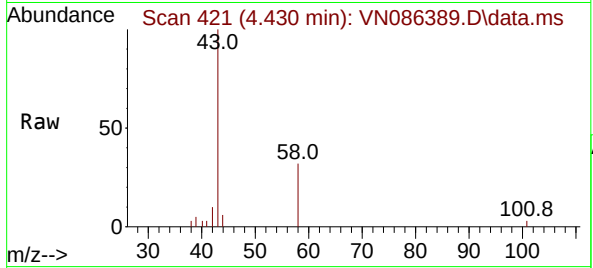
LOQ-WATER-02-QT1-2025

Tgt Ion: 58 Resp: 6649

Ion Ratio Lower Upper

58 100

43 298.0 255.1 382.7



#16

Carbon Disulfide

Concen: 5.513 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN086389.D

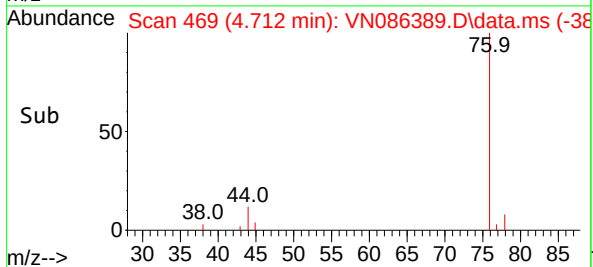
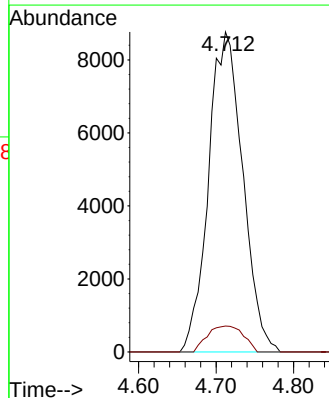
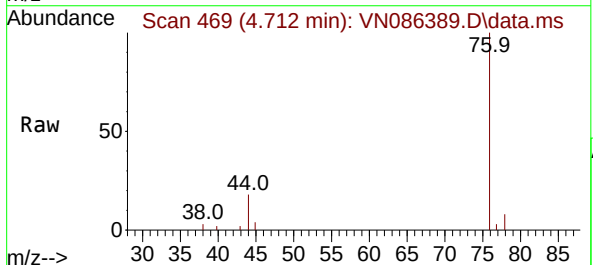
Acq: 23 Apr 2025 18:01

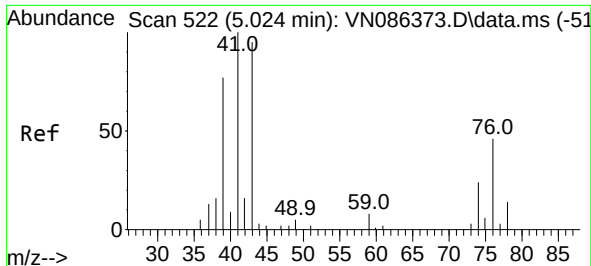
Tgt Ion: 76 Resp: 26878

Ion Ratio Lower Upper

76 100

78 8.1 7.1 10.7





#17

Allyl chloride

Concen: 5.189 ug/l

RT: 5.024 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2025

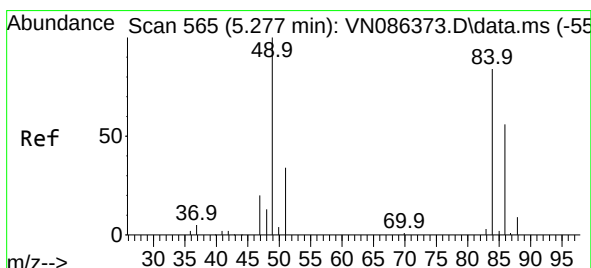
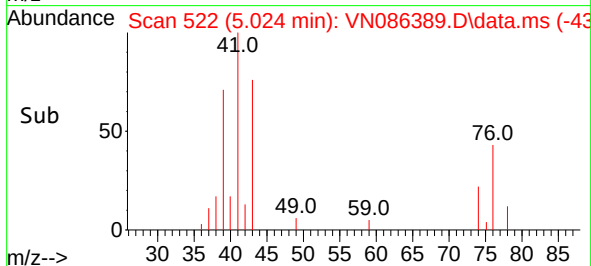
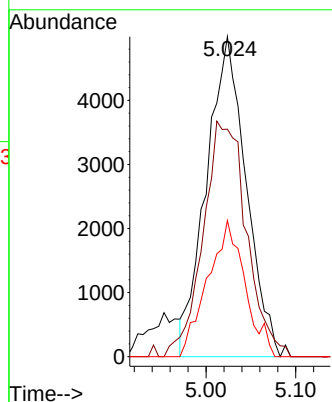
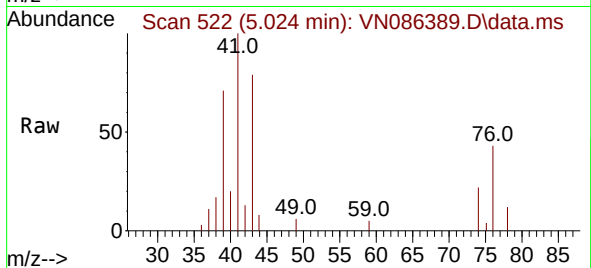
Tgt Ion: 41 Resp: 15352

Ion Ratio Lower Upper

41 100

39 67.7 36.7 110.1

76 42.6 21.8 65.4



#18

Methylene Chloride

Concen: 5.420 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

Tgt Ion: 84 Resp: 11419

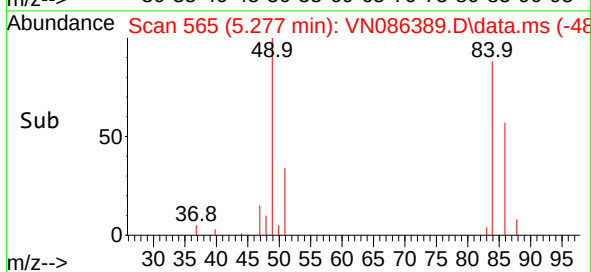
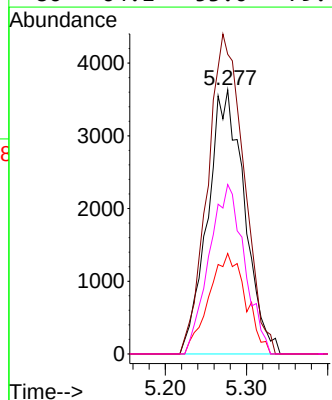
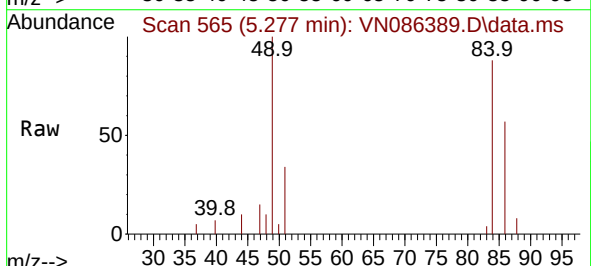
Ion Ratio Lower Upper

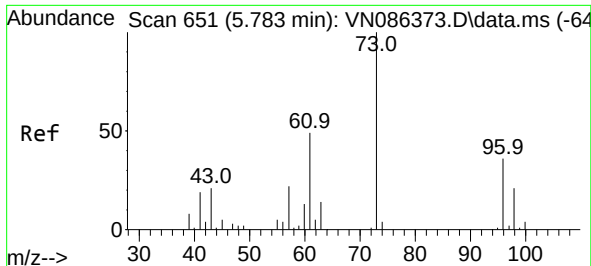
84 100

49 113.5 95.4 143.0

51 38.0 32.8 49.2

86 64.1 53.0 79.4

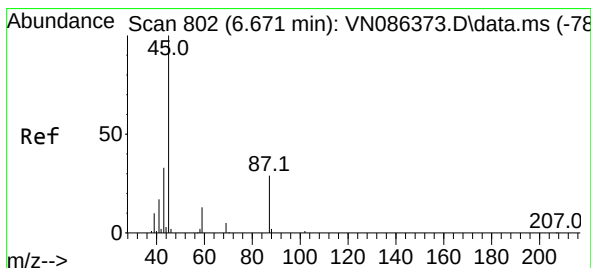
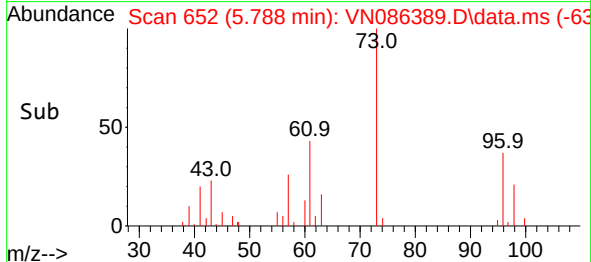
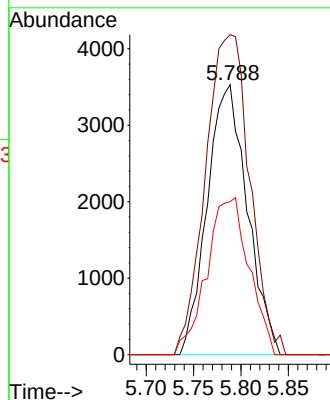
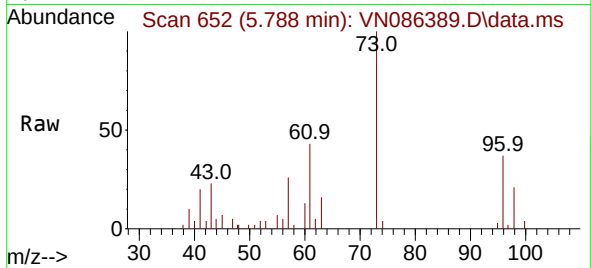




#19  
trans-1,2-Dichloroethene  
Concen: 5.269 ug/l  
RT: 5.788 min Scan# 651  
Delta R.T. 0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

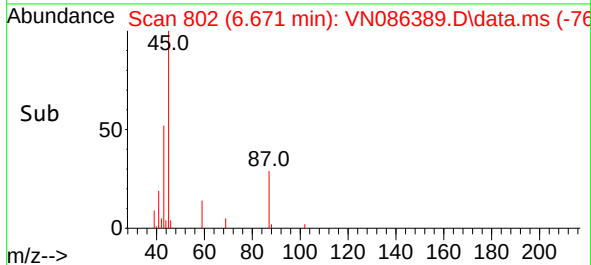
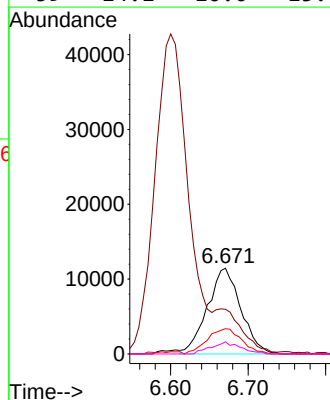
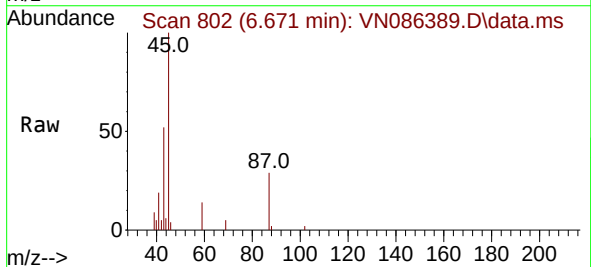
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

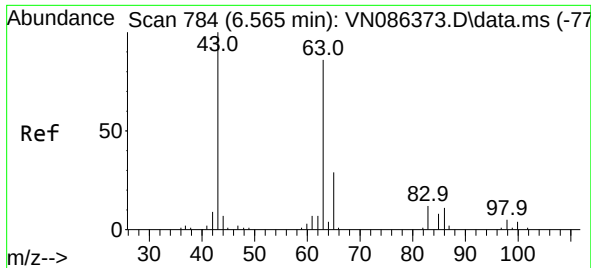
Tgt Ion: 96 Resp: 10390  
Ion Ratio Lower Upper  
96 100  
61 111.9 107.3 160.9  
98 56.6 46.7 70.1



#20  
Diisopropyl ether  
Concen: 4.884 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 45 Resp: 34358  
Ion Ratio Lower Upper  
45 100  
43 49.6 38.8 58.2  
87 29.4 23.5 35.3  
59 14.1 10.0 15.0

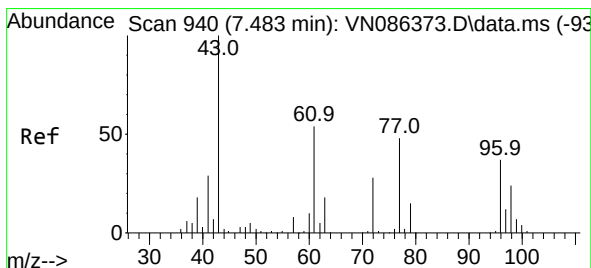
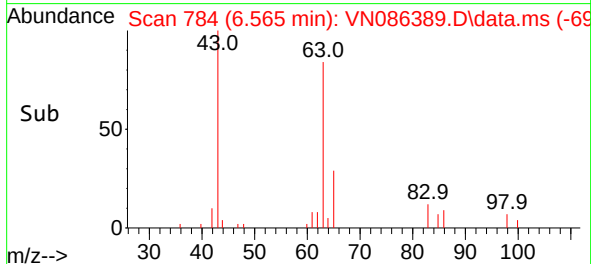
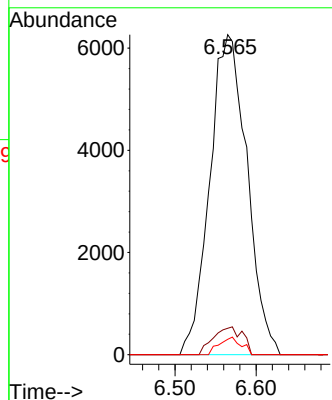
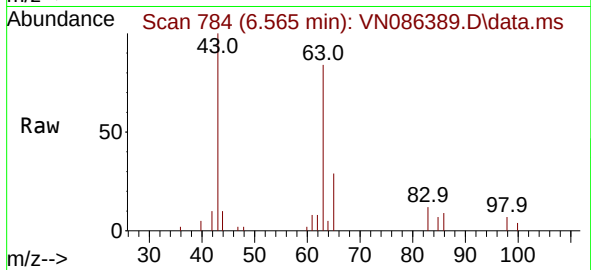




#21  
1,1-Dichloroethane  
Concen: 5.186 ug/l  
RT: 6.565 min Scan# 719  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

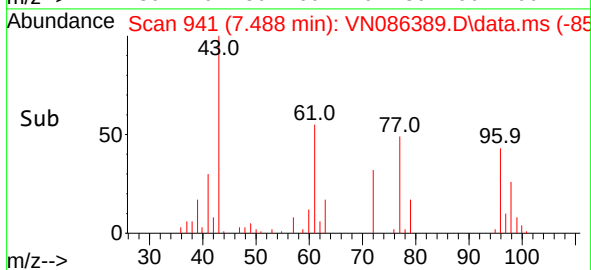
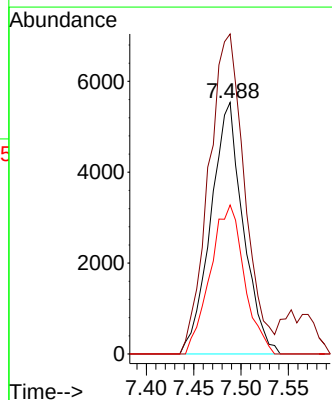
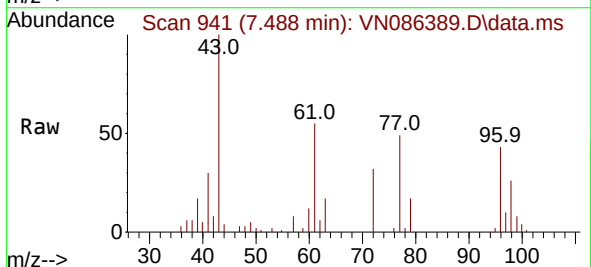
Instrument : MSVOA\_N  
ClientSampleId : LOQ-WATER-02-QT1-2025

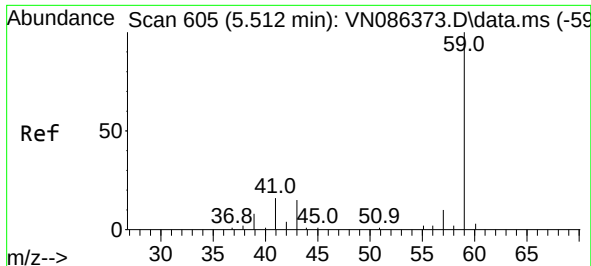
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 19967 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 8.3   | 3.0   | 9.2   |
| 100       | 4.8   | 2.3   | 6.8   |



#22  
cis-1,2-Dichloroethene  
Concen: 5.349 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 13189 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 141.2 | 120.6 | 181.0 |
| 98        | 62.1  | 51.8  | 77.6  |

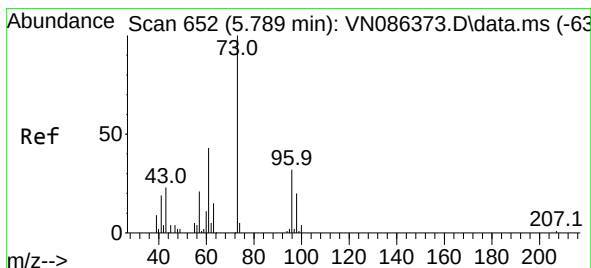
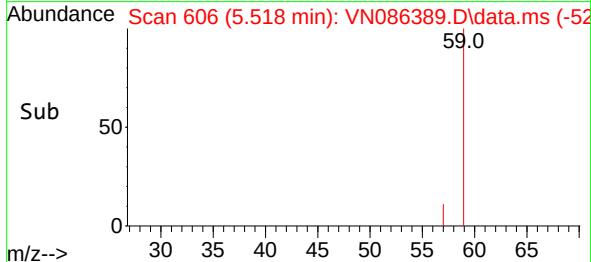
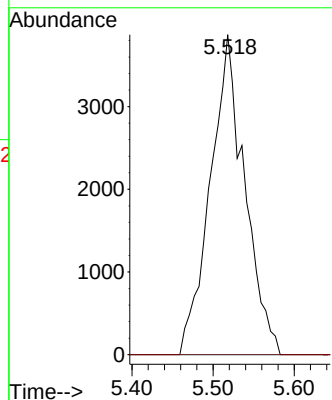
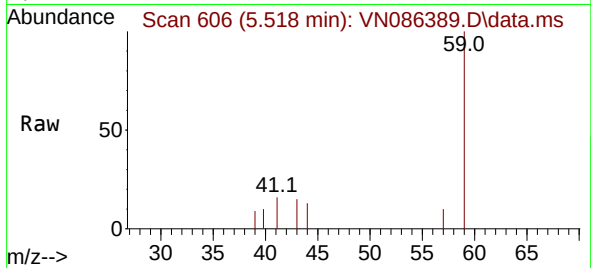




#23  
 tert-Butyl Alcohol  
 Concen: 30.101 ug/l  
 RT: 5.518 min Scan# 605  
 Delta R.T. 0.006 min  
 Lab File: VN086389.D  
 Acq: 23 Apr 2025 18:01

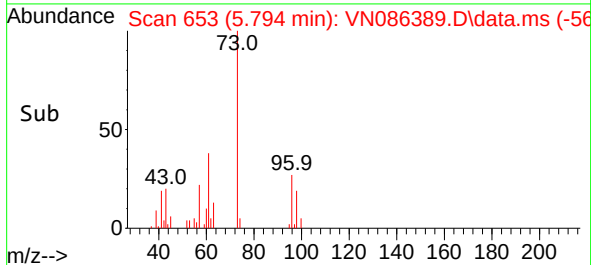
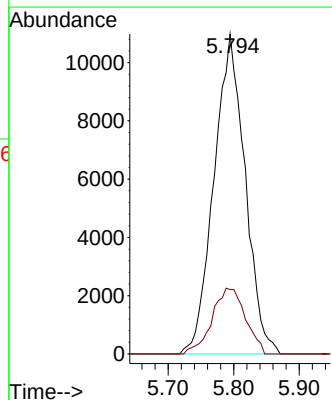
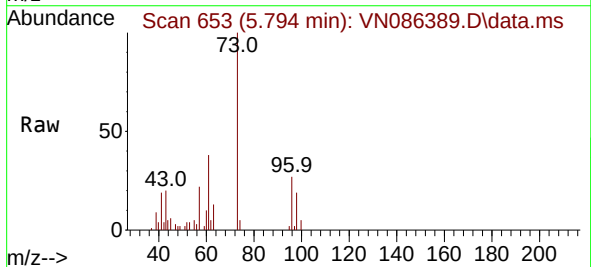
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2025

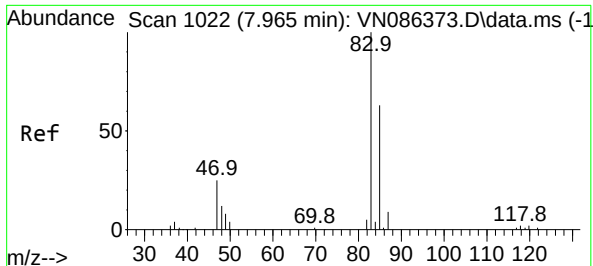
Tgt Ion: 59 Resp: 11381  
 Ion Ratio Lower Upper  
 59 100  
 52 0.0 0.1 0.1#



#24  
 Methyl tert-Butyl Ether  
 Concen: 5.300 ug/l  
 RT: 5.794 min Scan# 653  
 Delta R.T. 0.006 min  
 Lab File: VN086389.D  
 Acq: 23 Apr 2025 18:01

Tgt Ion: 73 Resp: 36228  
 Ion Ratio Lower Upper  
 73 100  
 43 22.0 17.1 25.7





#25

Chloroform

Concen: 5.285 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

Instrument :

MSVOA\_N

ClientSampleId :

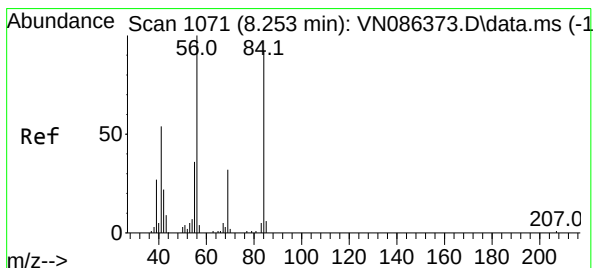
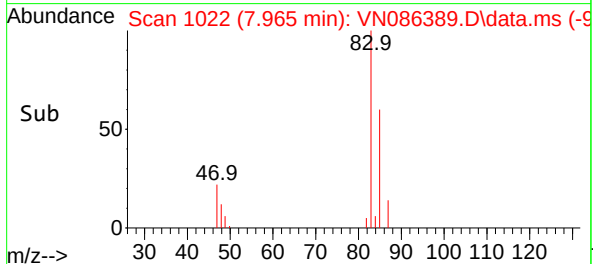
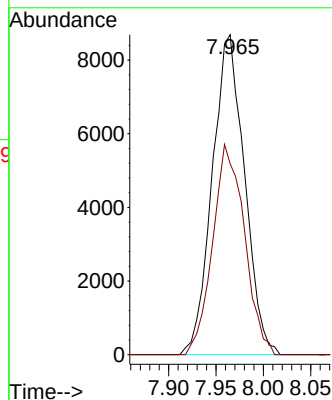
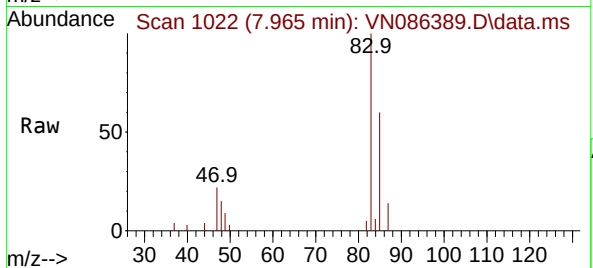
LOQ-WATER-02-QT1-2025

Tgt Ion: 83 Resp: 20593

Ion Ratio Lower Upper

83 100

85 59.7 50.2 75.2



#26

Cyclohexane

Concen: 5.227 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. 0.006 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

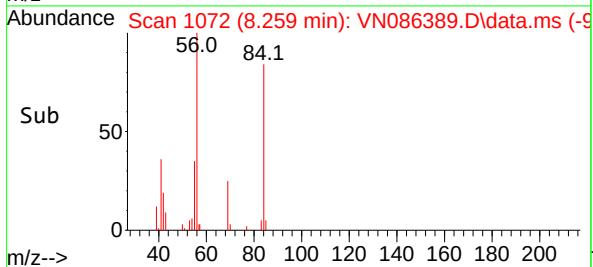
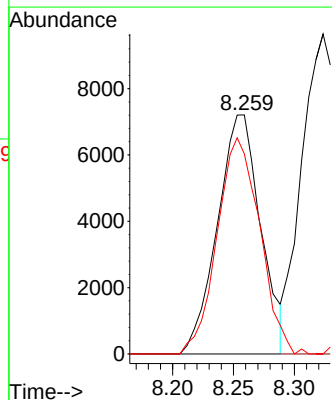
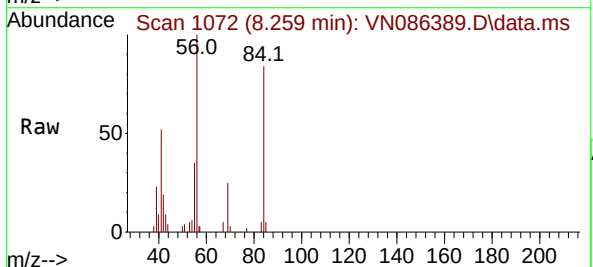
Tgt Ion: 56 Resp: 17770

Ion Ratio Lower Upper

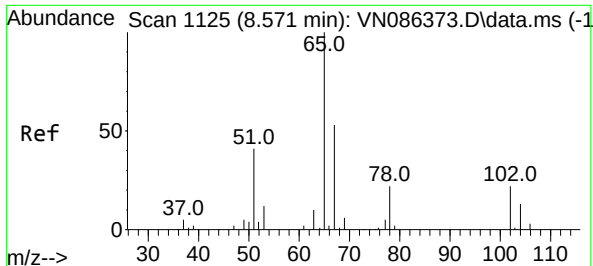
56 100

89 0.0 0.0 0.0

84 89.2 71.5 107.3



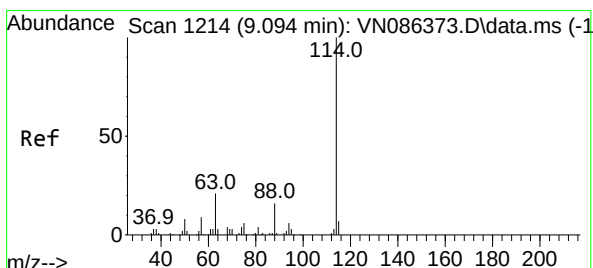
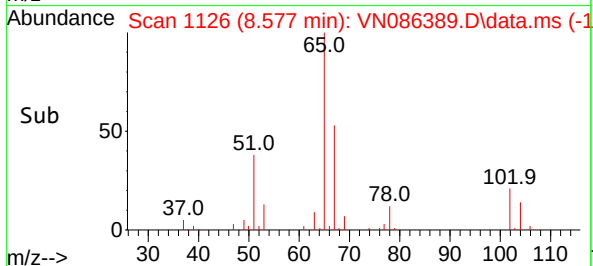
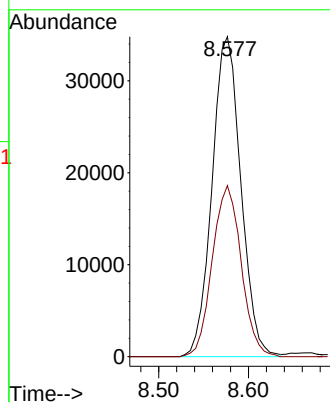
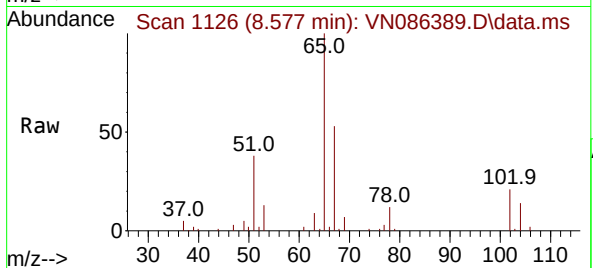




#27  
1,2-Dichloroethane-d4  
Concen: 30.366 ug/l  
RT: 8.577 min Scan# 1125  
Delta R.T. 0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

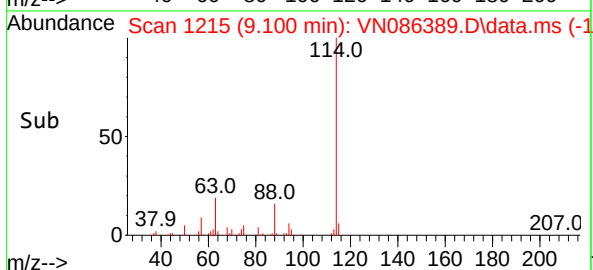
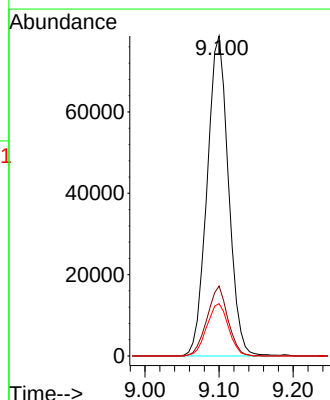
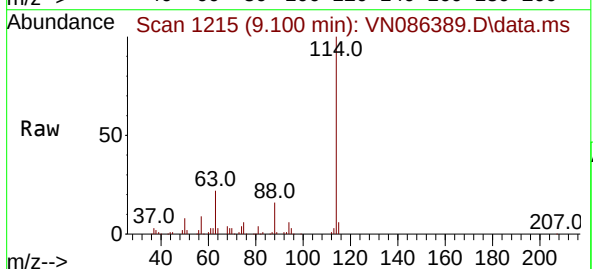
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

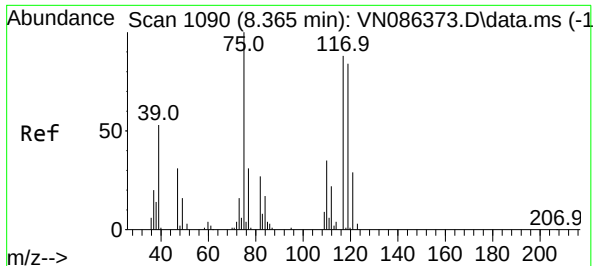
Tgt Ion: 65 Resp: 77644  
Ion Ratio Lower Upper  
65 100  
67 53.5 42.5 63.7



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 114 Resp: 157639  
Ion Ratio Lower Upper  
114 100  
63 21.2 16.7 25.1  
88 16.6 12.6 19.0





#29

1,1-Dichloropropene

Concen: 5.118 ug/l

RT: 8.365 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2025

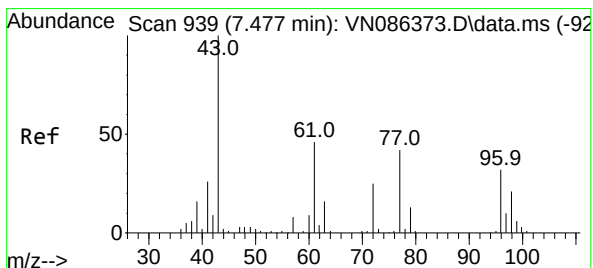
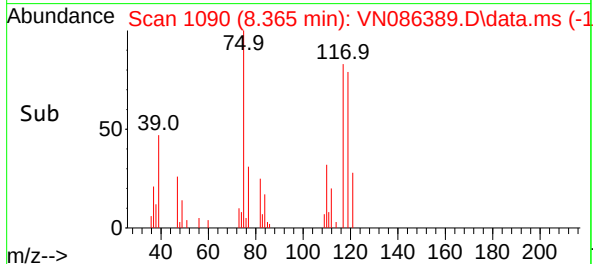
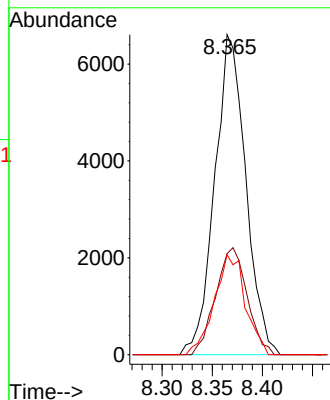
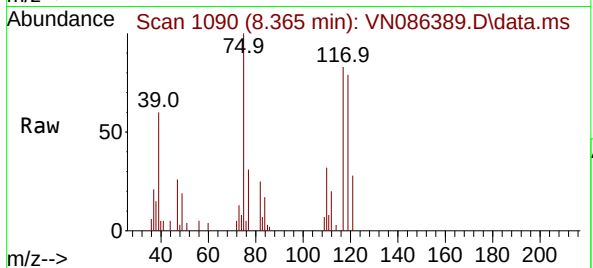
Tgt Ion: 75 Resp: 14224

Ion Ratio Lower Upper

75 100

110 33.9 0.0 68.0

77 31.2 0.0 61.4



#30

2-Butanone

Concen: 26.100 ug/l

RT: 7.482 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

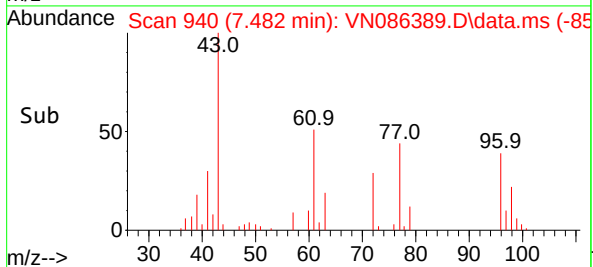
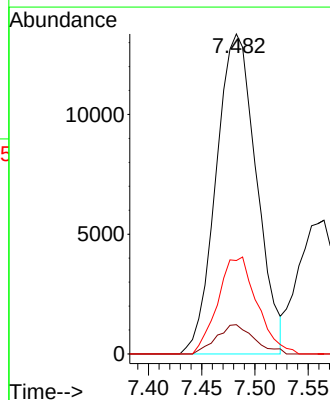
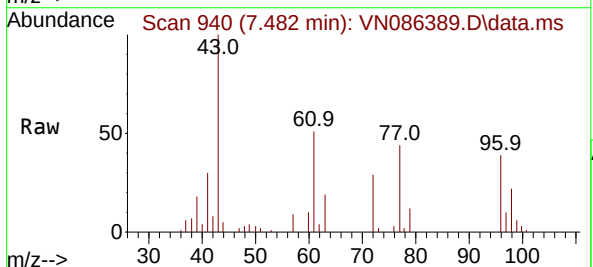
Tgt Ion: 43 Resp: 35205

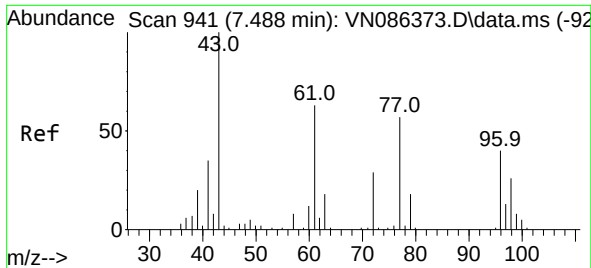
Ion Ratio Lower Upper

43 100

57 8.3 6.6 10.0

72 29.3 22.2 33.4

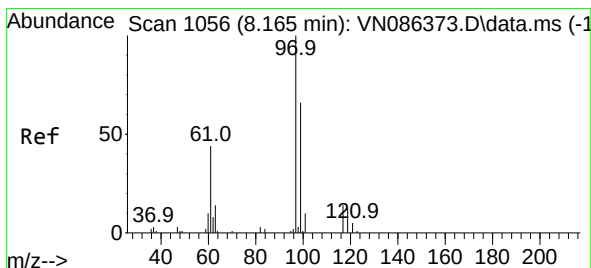
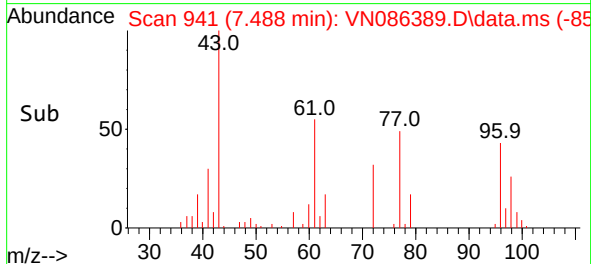
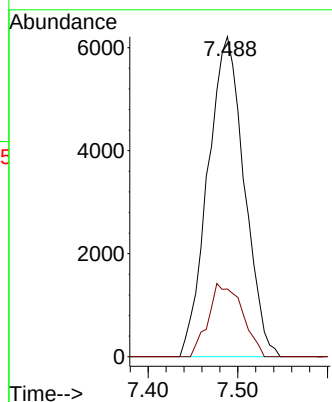
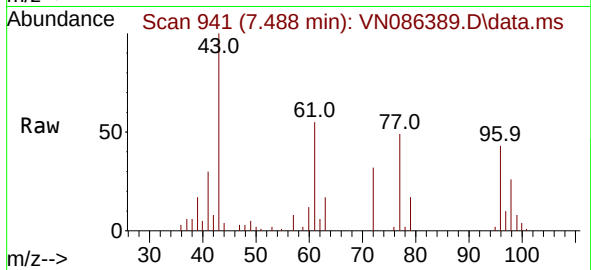




#31  
2,2-Dichloropropane  
Concen: 4.908 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

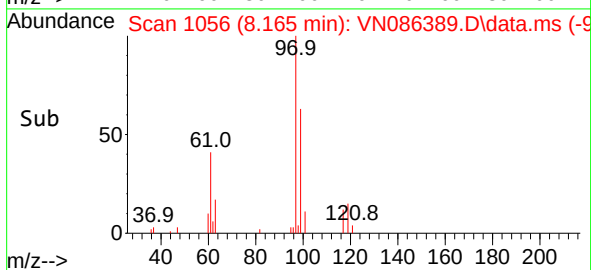
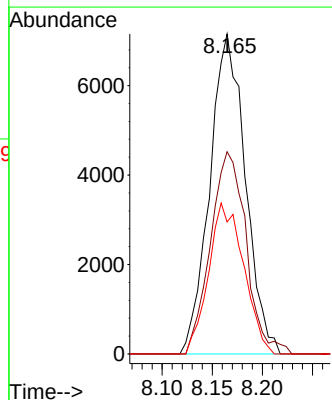
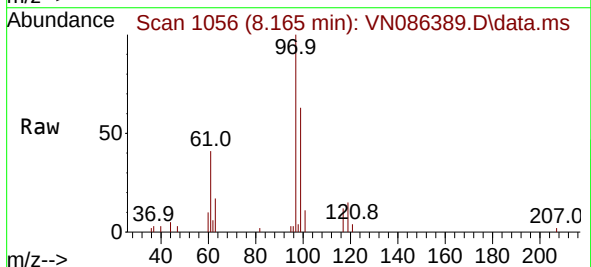
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

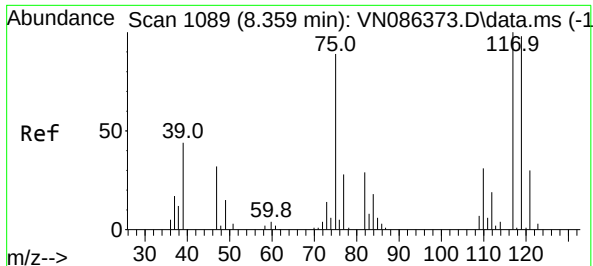
Tgt Ion: 77 Resp: 17532  
Ion Ratio Lower Upper  
77 100  
97 21.2 18.2 27.2



#32  
1,1,1-Trichloroethane  
Concen: 5.325 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 97 Resp: 17684  
Ion Ratio Lower Upper  
97 100  
99 62.0 52.6 79.0  
61 46.5 36.4 54.6

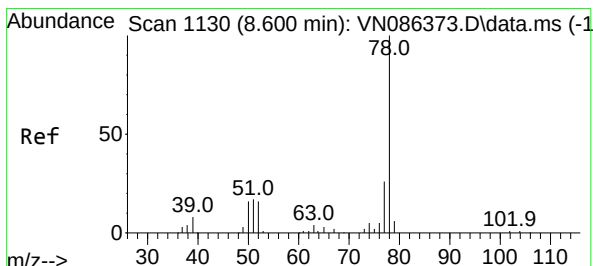
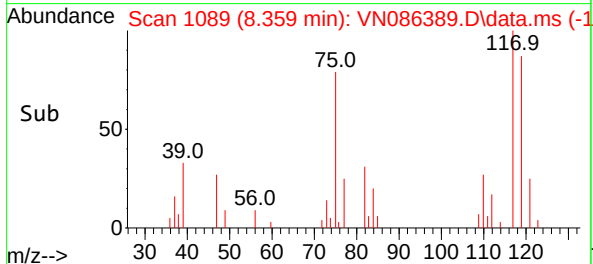
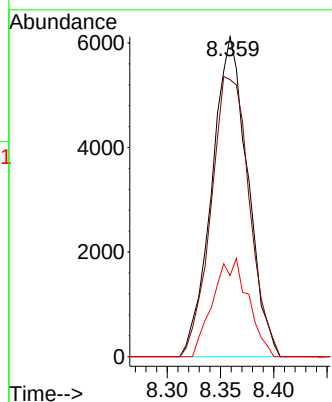
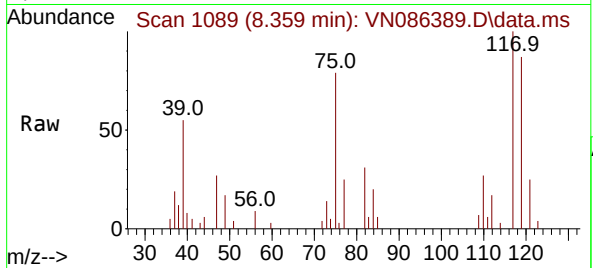




#33  
Carbon Tetrachloride  
Concen: 5.223 ug/l  
RT: 8.359 min Scan# 1107  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

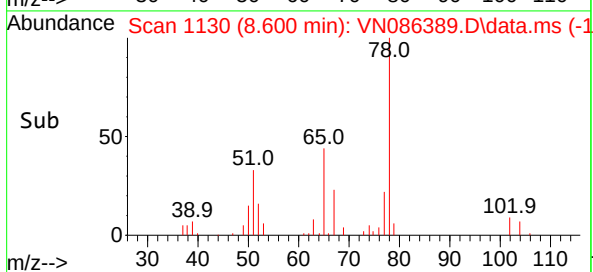
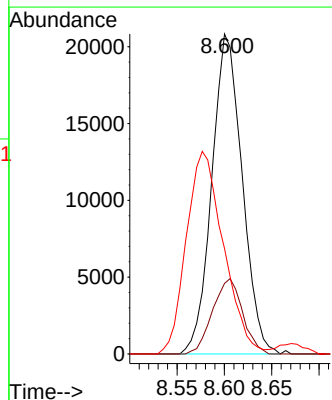
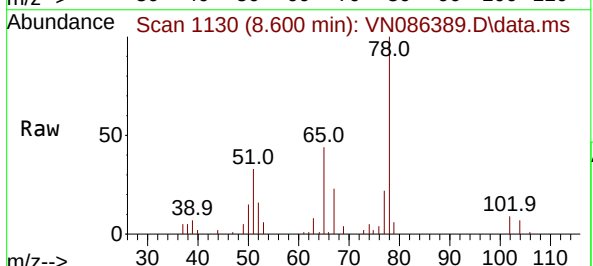
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

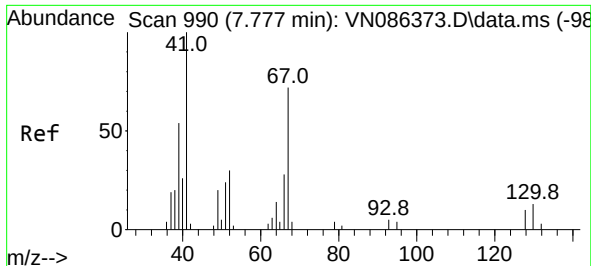
Tgt Ion:117 Resp: 14279  
Ion Ratio Lower Upper  
117 100  
119 86.6 78.6 117.8  
121 25.4 24.0 36.0



#34  
Benzene  
Concen: 5.252 ug/l  
RT: 8.600 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 78 Resp: 46427  
Ion Ratio Lower Upper  
78 100  
77 22.0 20.8 31.2  
51 30.2 14.0 21.0#

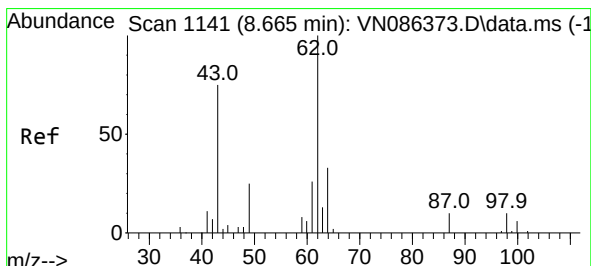
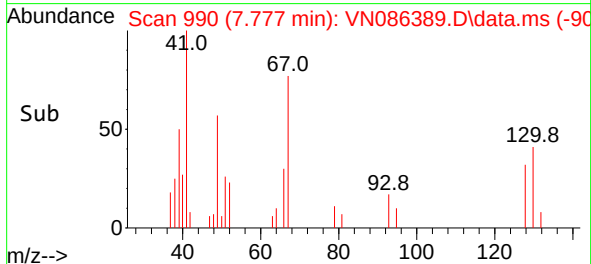
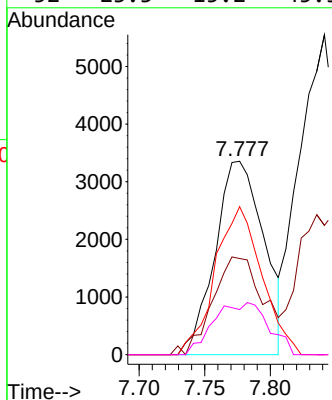
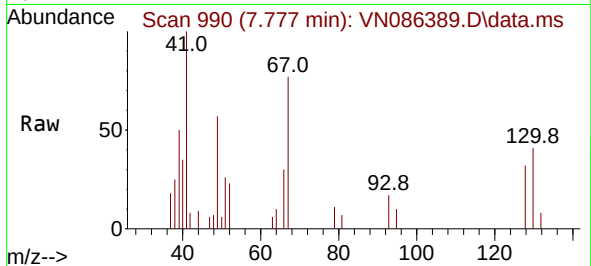




#35  
Methacrylonitrile  
Concen: 5.656 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

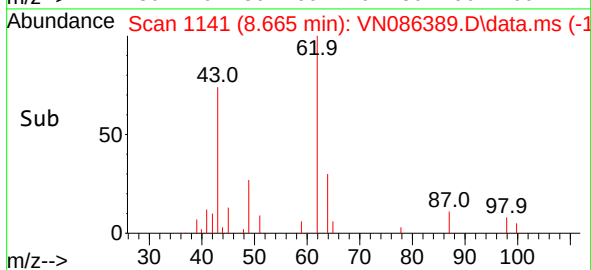
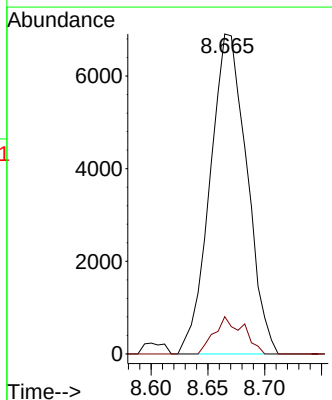
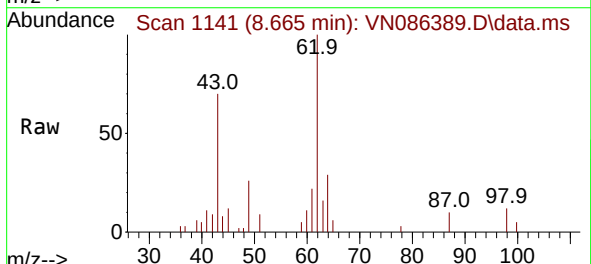
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

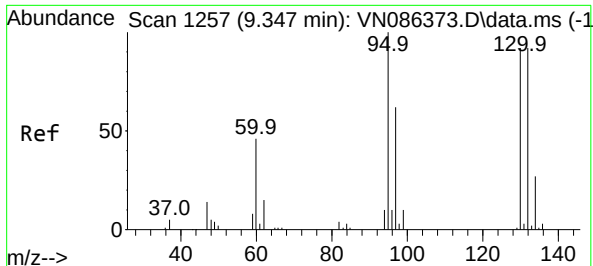
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 8703  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 45.2  | 27.0  | 80.8  |
| 67       | 76.5  | 35.8  | 107.3 |
| 52       | 23.3  | 15.2  | 45.5  |



#36  
1,2-Dichloroethane  
Concen: 5.418 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 15548 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 6.8   | 7.6   | 11.4# |





#37

Trichloroethene

Concen: 4.942 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

Instrument :

MSVOA\_N

ClientSampleId :

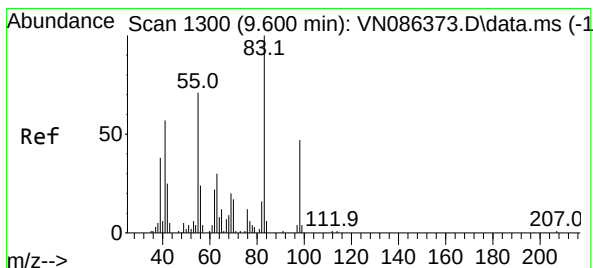
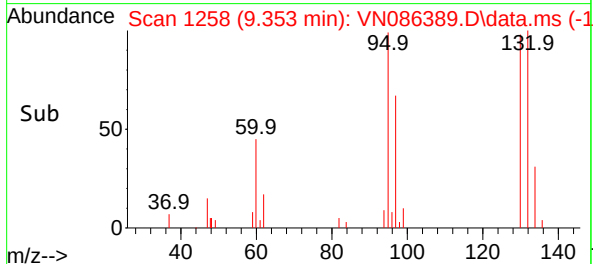
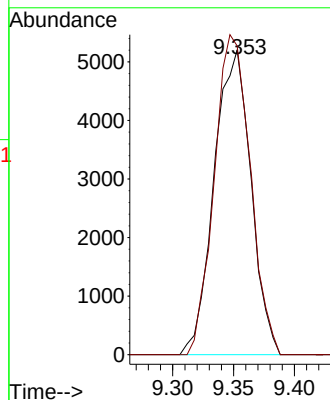
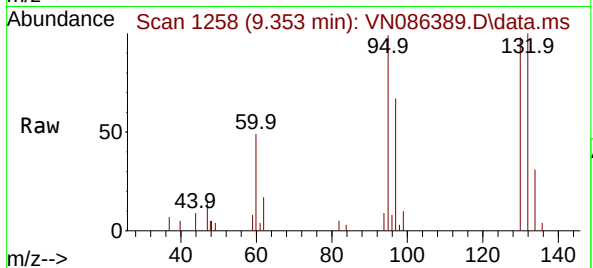
LOQ-WATER-02-QT1-2025

Tgt Ion:130 Resp: 10935

Ion Ratio Lower Upper

130 100

95 101.4 86.6 130.0



#38

Methylcyclohexane

Concen: 5.086 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

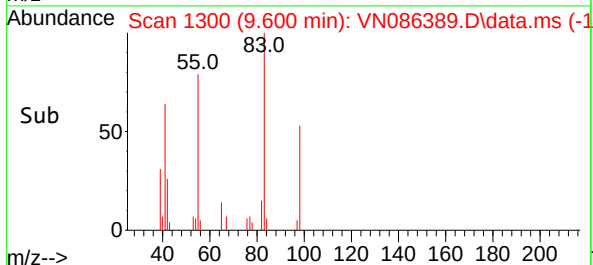
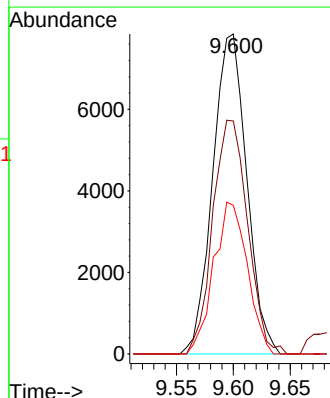
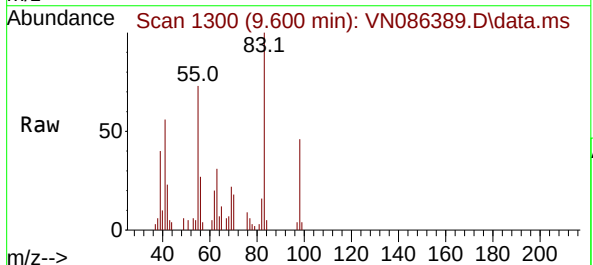
Tgt Ion: 83 Resp: 16324

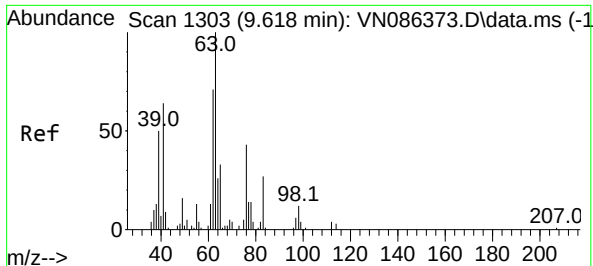
Ion Ratio Lower Upper

83 100

55 74.4 37.3 111.9

98 46.8 23.8 71.5





#39

1,2-Dichloropropane

Concen: 5.181 ug/l

RT: 9.618 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

Instrument :

MSVOA\_N

ClientSampleId :

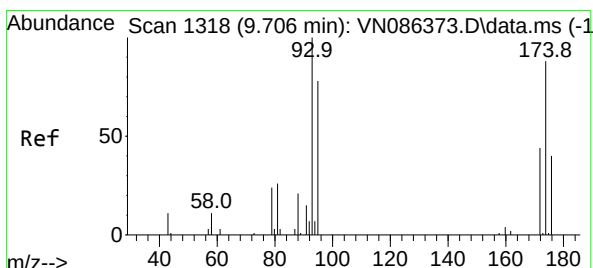
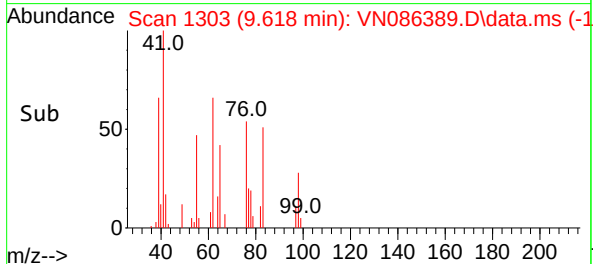
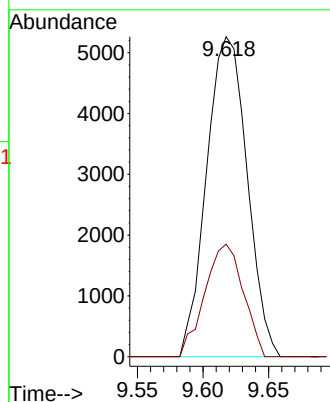
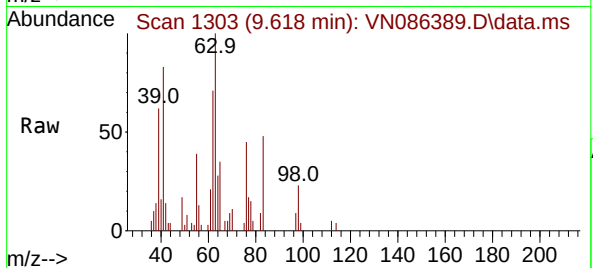
LOQ-WATER-02-QT1-2025

Tgt Ion: 63 Resp: 11313

Ion Ratio Lower Upper

63 100

65 35.2 26.7 40.1



#40

Dibromomethane

Concen: 5.306 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

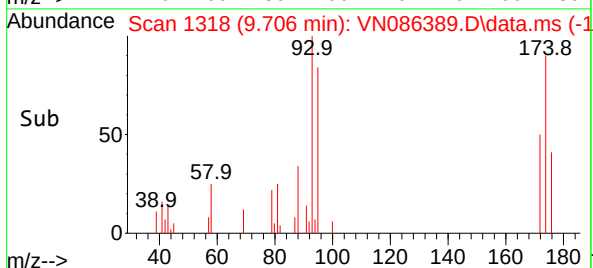
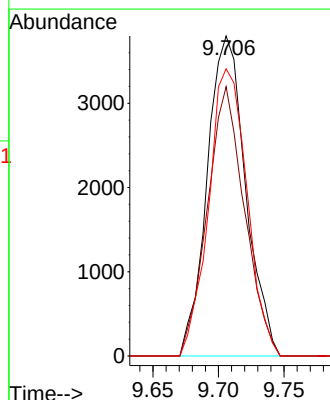
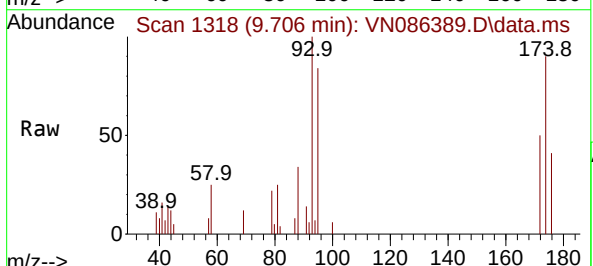
Tgt Ion: 93 Resp: 7748

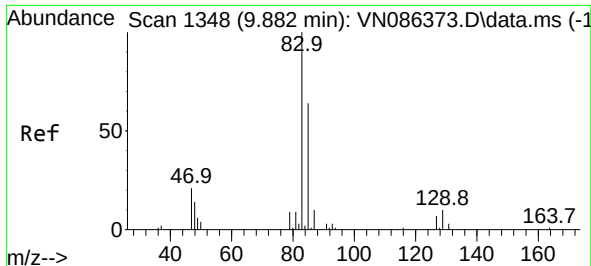
Ion Ratio Lower Upper

93 100

95 81.3 0.0 159.2

174 89.3 0.0 171.4

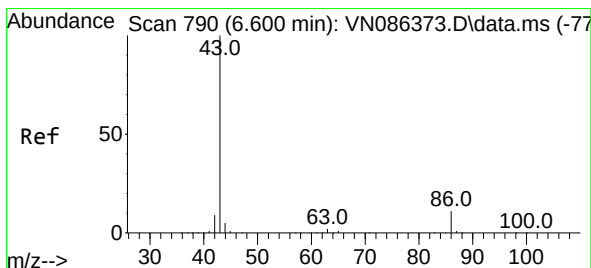
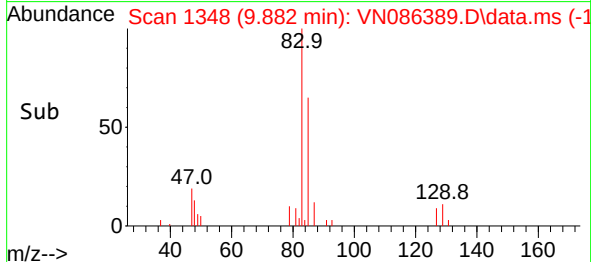
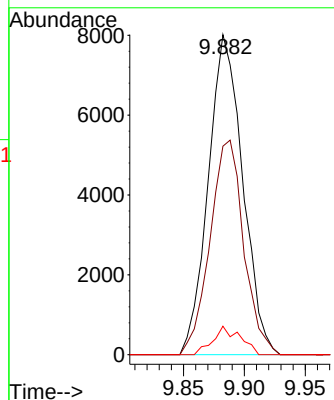
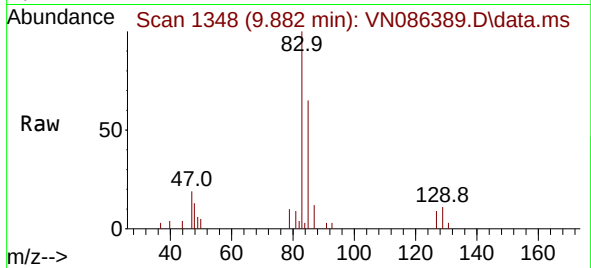




#41  
Bromodichloromethane  
Concen: 5.096 ug/l  
RT: 9.882 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

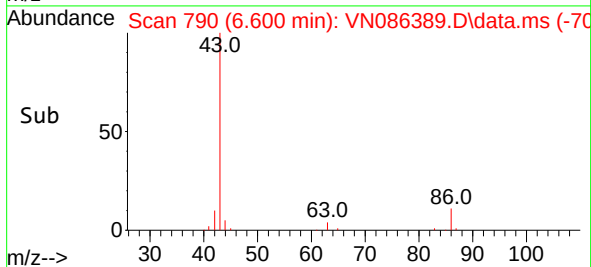
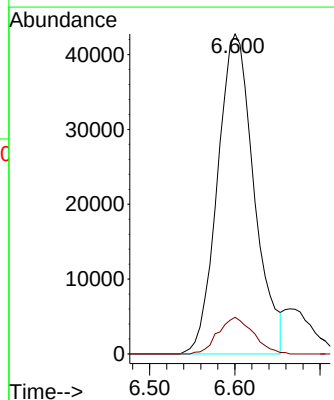
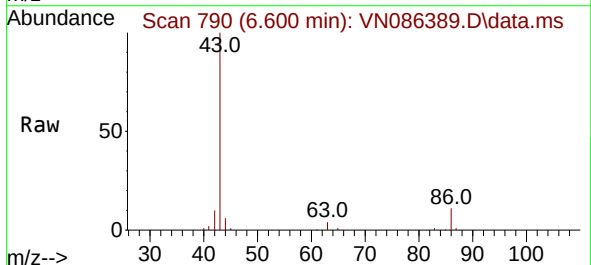
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

Tgt Ion: 83 Resp: 15747  
Ion Ratio Lower Upper  
83 100  
85 65.1 51.1 76.7  
127 8.9 5.9 8.9#

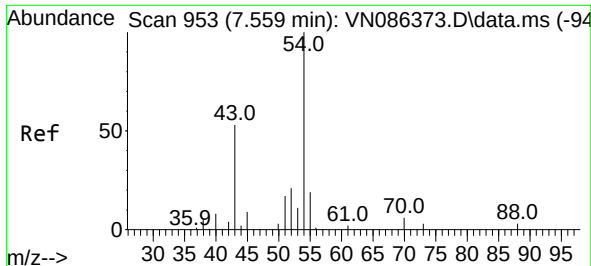


#42  
Vinyl Acetate  
Concen: 27.307 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 43 Resp: 127596  
Ion Ratio Lower Upper  
43 100  
86 11.0 8.9 13.3



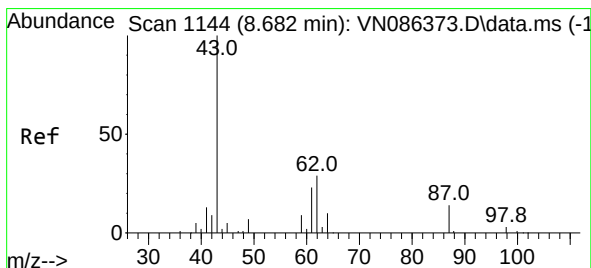
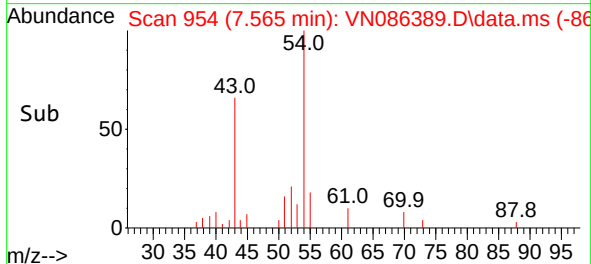
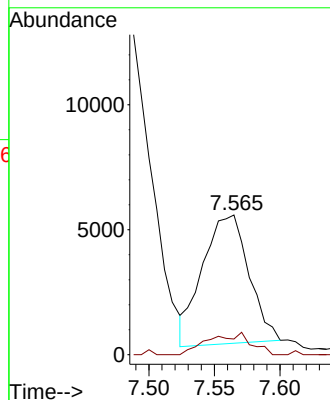
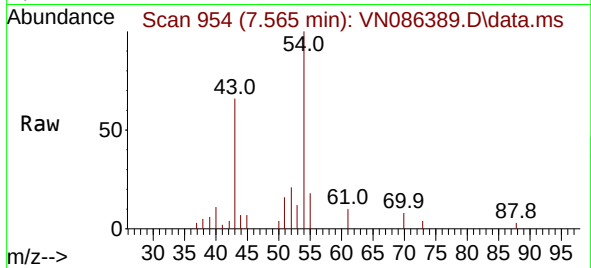




#43  
Ethyl Acetate  
Concen: 4.755 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

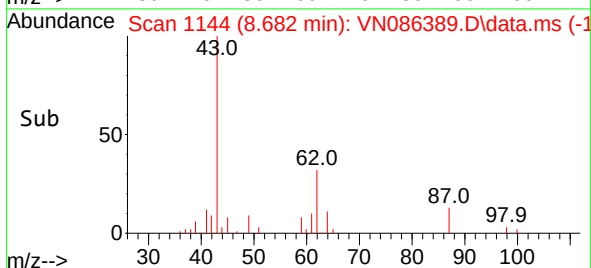
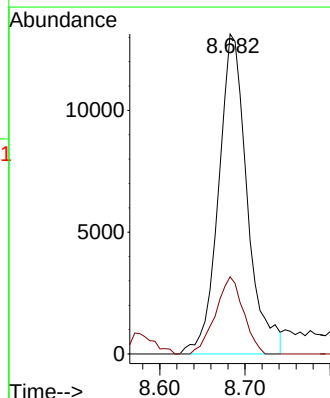
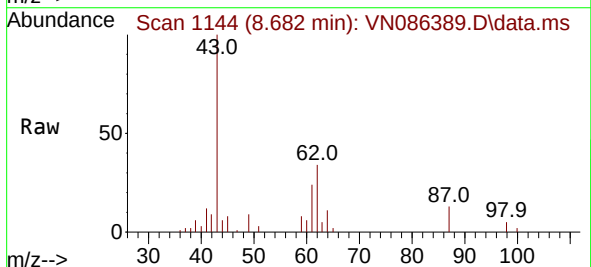
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

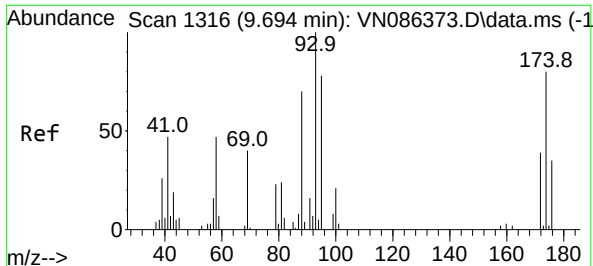
Tgt Ion: 43 Resp: 12694  
Ion Ratio Lower Upper  
43 100  
45 4.5 11.4 17.2#



#44  
Isopropyl Acetate  
Concen: 6.071 ug/l  
RT: 8.682 min Scan# 1144  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 43 Resp: 30759  
Ion Ratio Lower Upper  
43 100  
61 23.4 21.0 31.4





#45

1,4-Dioxane

Concen: 107.569 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2025

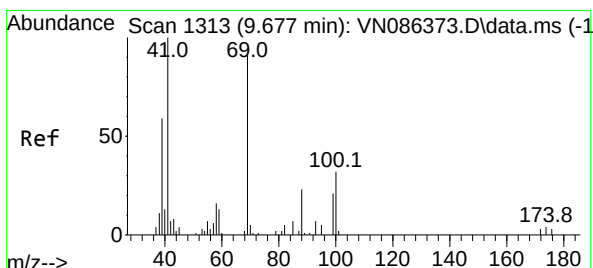
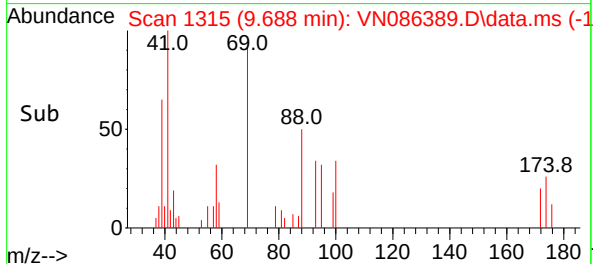
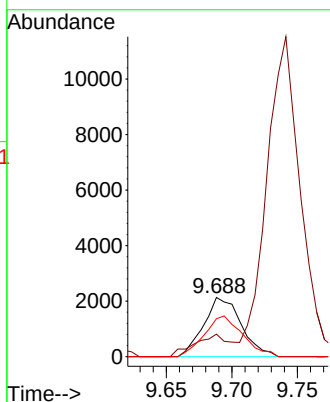
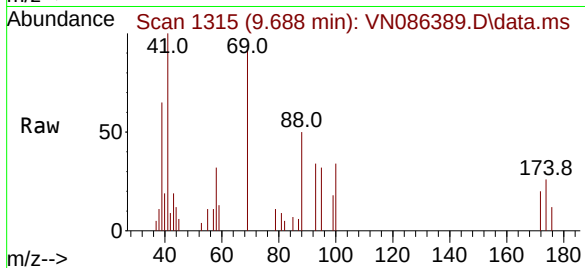
Tgt Ion: 88 Resp: 4252

Ion Ratio Lower Upper

88 100

43 38.2 24.9 37.3#

58 70.2 57.8 86.8



#46

Methyl methacrylate

Concen: 5.290 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

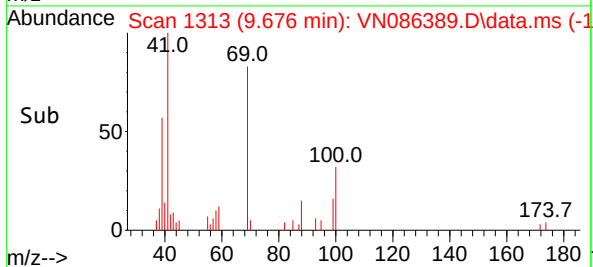
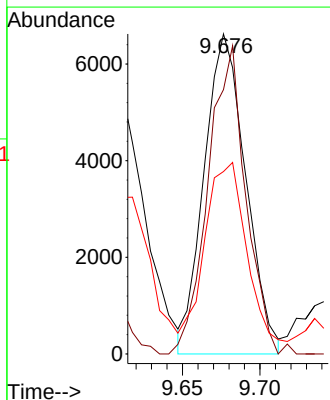
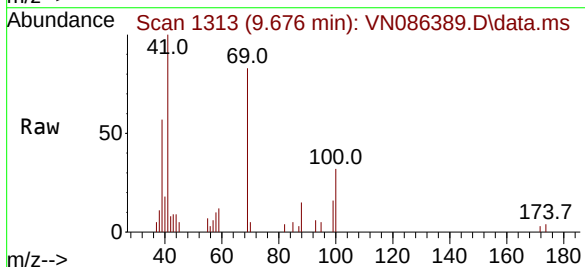
Tgt Ion: 41 Resp: 12363

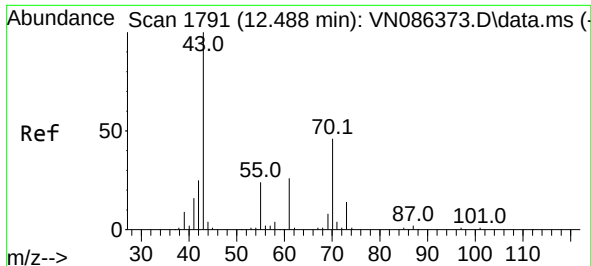
Ion Ratio Lower Upper

41 100

69 86.6 44.1 132.3

39 55.1 30.0 90.1

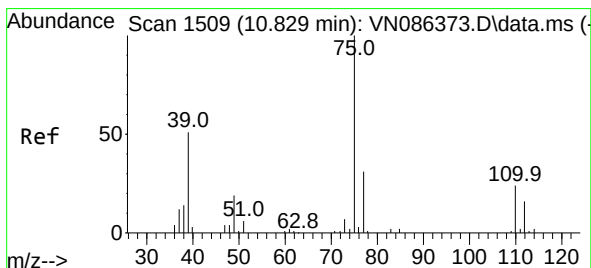
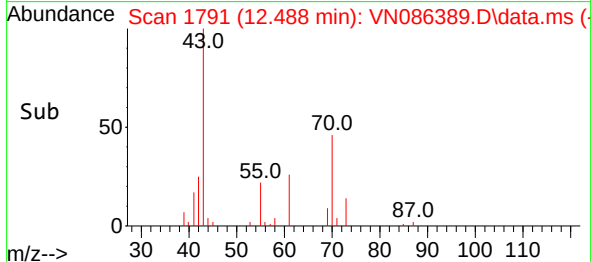
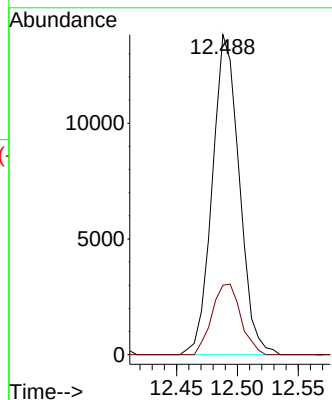
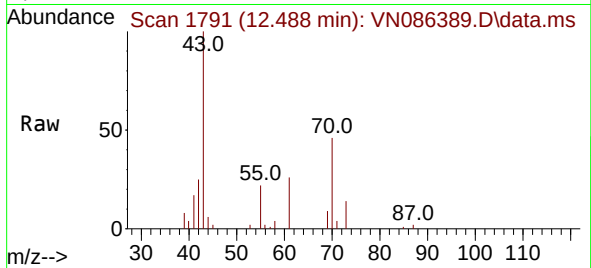




#47  
n-amyl acetate  
Concen: 4.941 ug/l  
RT: 12.488 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

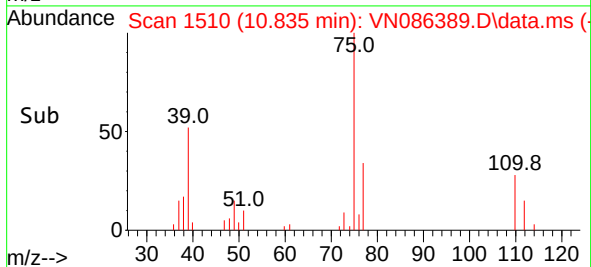
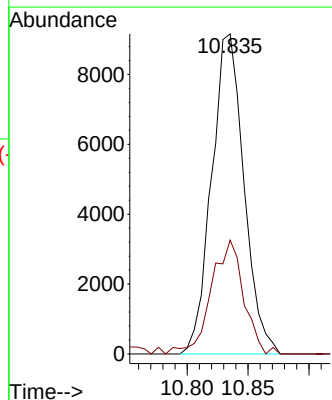
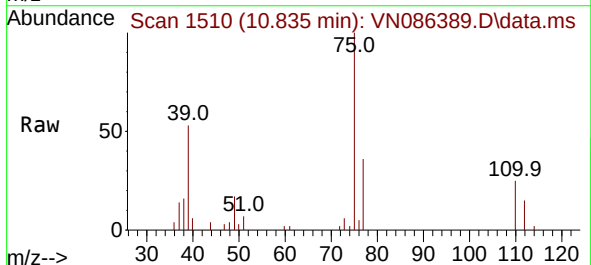
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

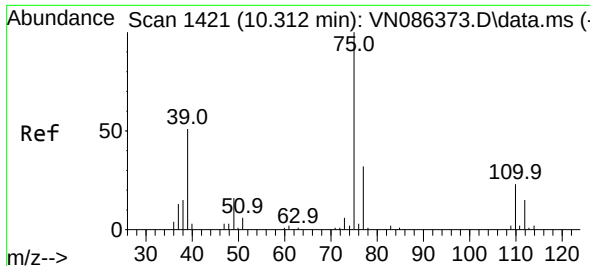
Tgt Ion: 43 Resp: 21337  
Ion Ratio Lower Upper  
43 100  
55 23.5 19.4 29.0



#48  
t-1,3-Dichloropropene  
Concen: 4.899 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. 0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 75 Resp: 16925  
Ion Ratio Lower Upper  
75 100  
77 35.5 24.4 36.6

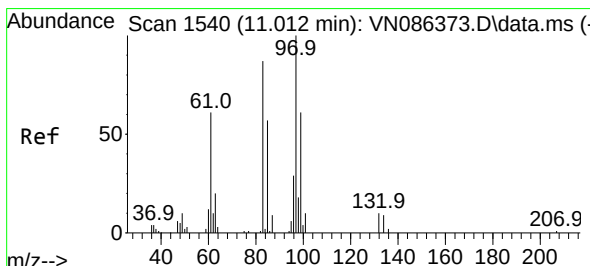
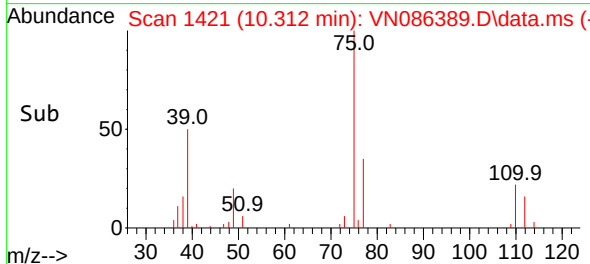
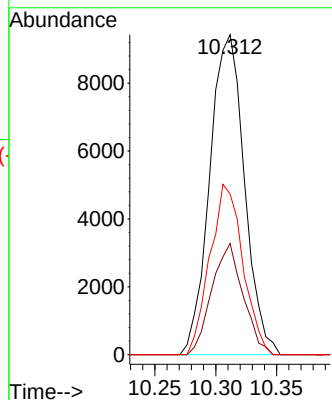
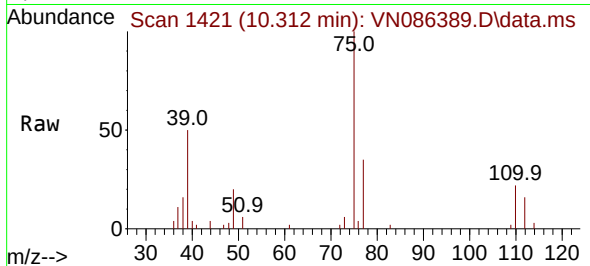




#49  
cis-1,3-Dichloropropene  
Concen: 5.132 ug/l  
RT: 10.312 min Scan# 1421  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

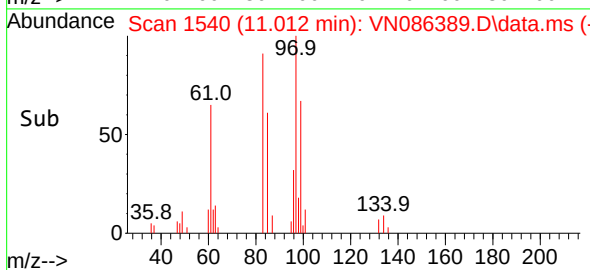
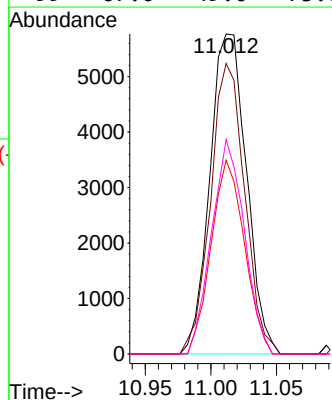
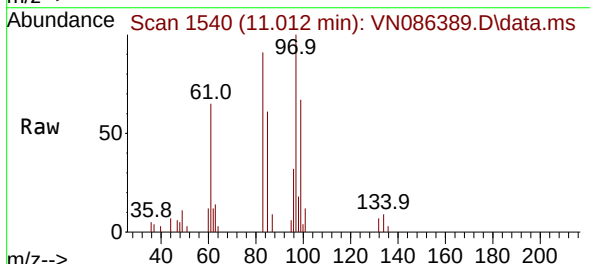
Instrument : MSVOA\_N  
ClientSampleId : LOQ-WATER-02-QT1-2025

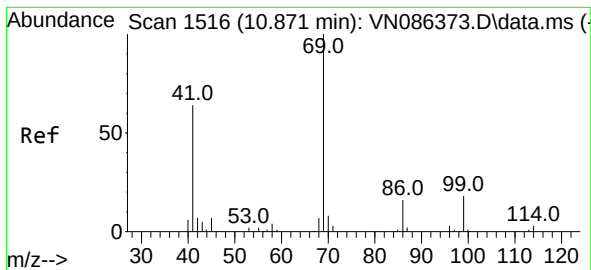
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 18697 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 34.7  | 25.6  | 38.4  |
| 39       | 50.2  | 40.6  | 60.8  |



#50  
1,1,2-Trichloroethane  
Concen: 5.496 ug/l  
RT: 11.012 min Scan# 1540  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 11211 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.7  | 69.3  | 103.9 |
| 85       | 60.5  | 45.5  | 68.3  |
| 99       | 67.0  | 49.0  | 73.6  |

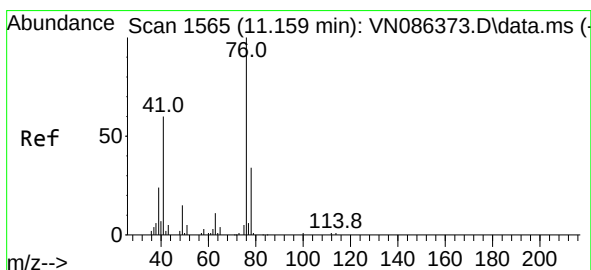
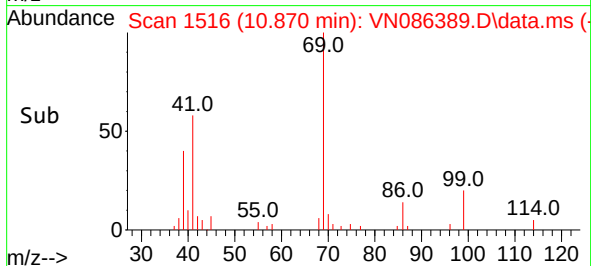
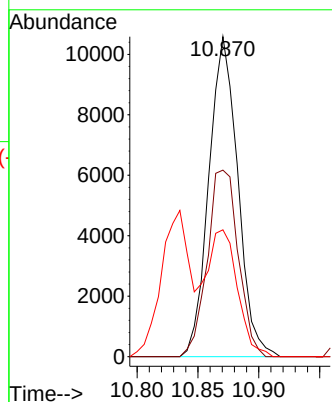
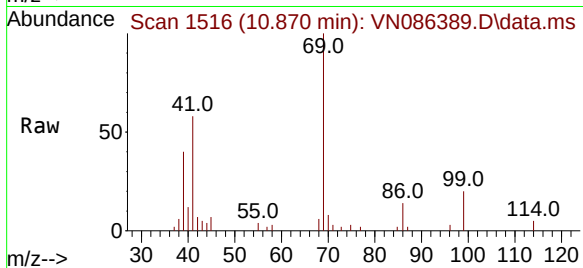




#51  
Ethyl methacrylate  
Concen: 4.928 ug/l  
RT: 10.870 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

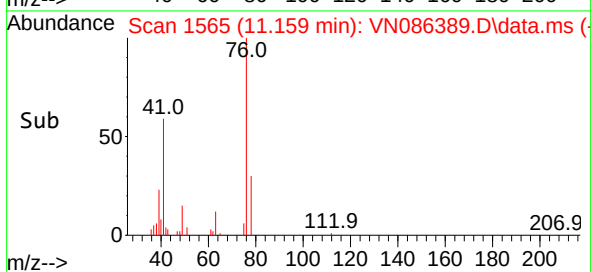
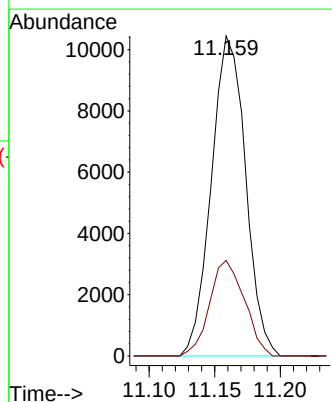
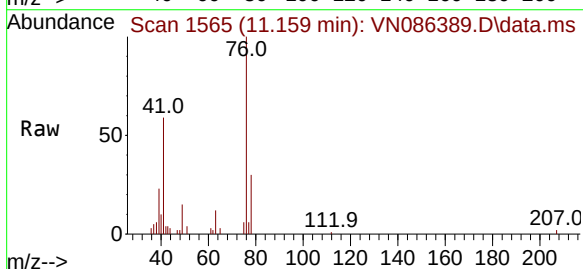
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

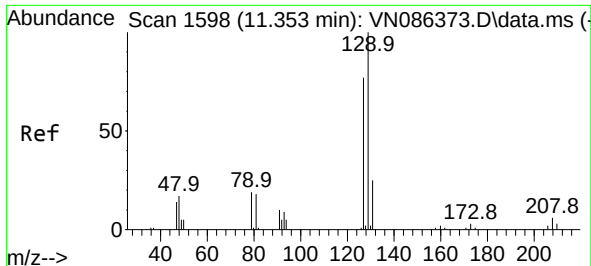
Tgt Ion: 69 Resp: 17506  
Ion Ratio Lower Upper  
69 100  
41 58.3 32.3 96.8  
39 39.7 19.1 57.1



#52  
1,3-Dichloropropane  
Concen: 5.265 ug/l  
RT: 11.159 min Scan# 1565  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 76 Resp: 18979  
Ion Ratio Lower Upper  
76 100  
78 30.3 0.0 65.6

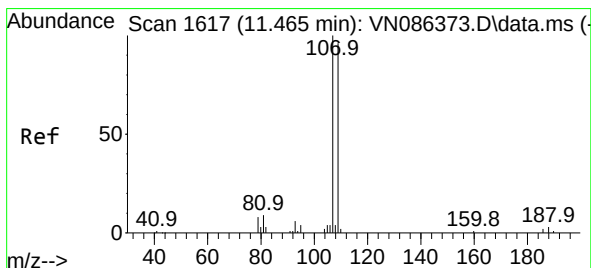
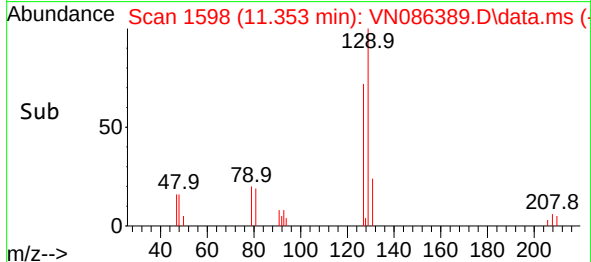
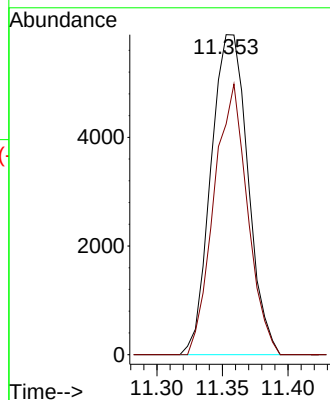
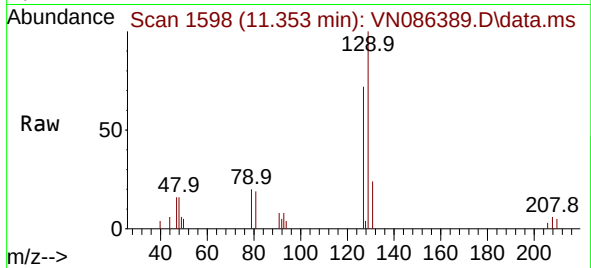




#53  
Dibromochloromethane  
Concen: 5.045 ug/l  
RT: 11.353 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

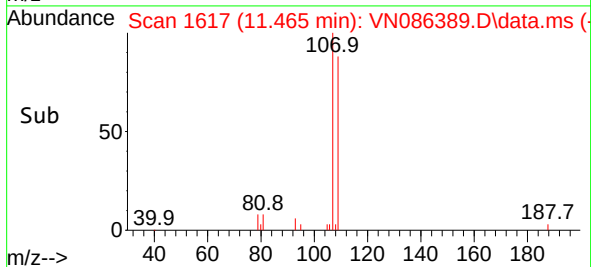
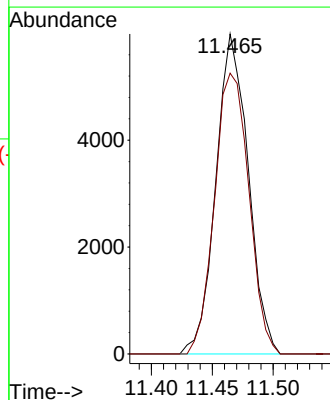
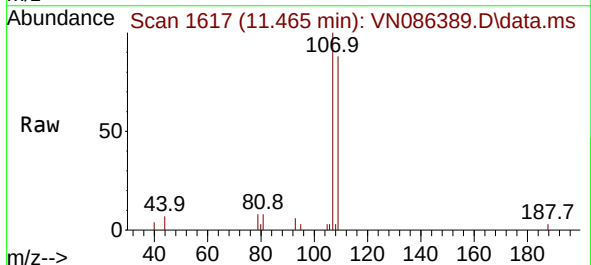
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

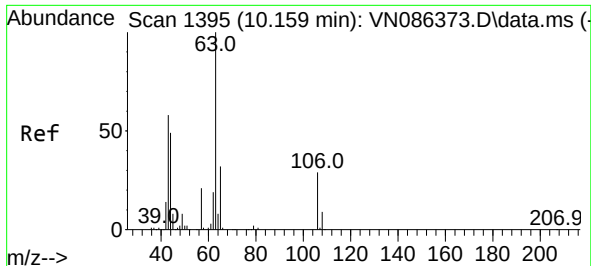
Tgt Ion:129 Resp: 11554  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.8 116.3



#54  
1,2-Dibromoethane  
Concen: 5.332 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion:107 Resp: 11058  
Ion Ratio Lower Upper  
107 100  
109 93.1 75.4 113.0

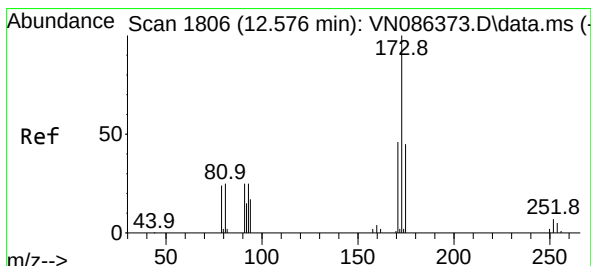
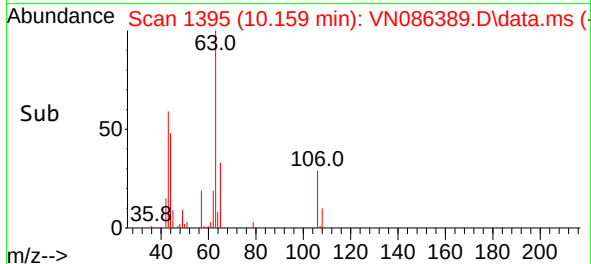
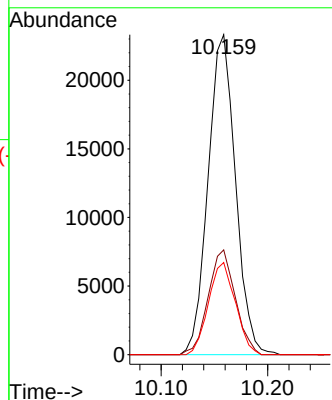
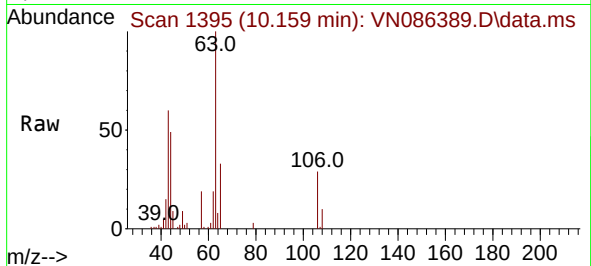




#55  
2-Chloroethyl vinyl ether  
Concen: 24.953 ug/l  
RT: 10.159 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

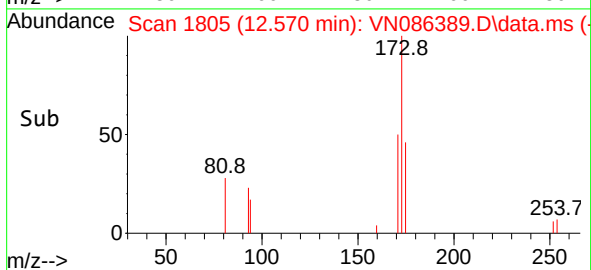
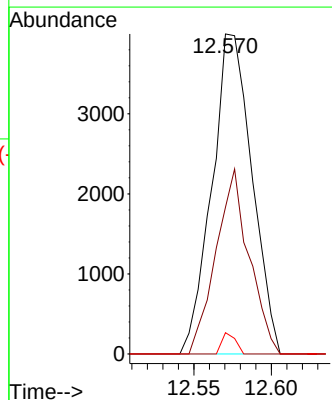
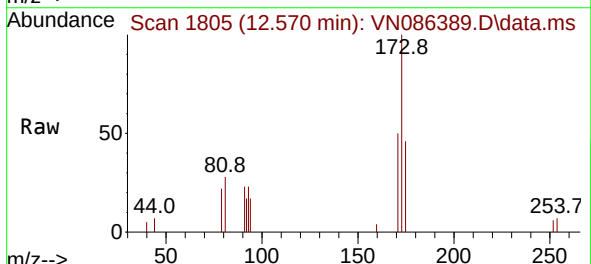
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

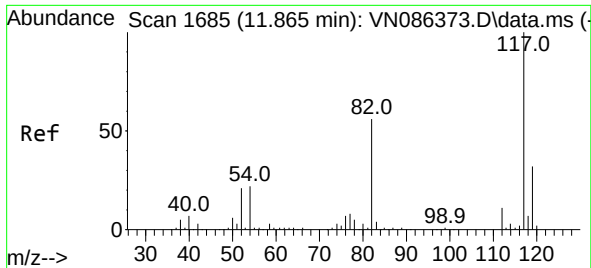
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 41677 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 32.4  | 25.7  | 38.5  |
| 106      | 28.3  | 22.3  | 33.5  |



#56  
Bromoform  
Concen: 4.835 ug/l  
RT: 12.570 min Scan# 1805  
Delta R.T. -0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 7186  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 47.8  | 39.0  | 58.6  |
| 254      | 2.3   | 3.8   | 5.6#  |

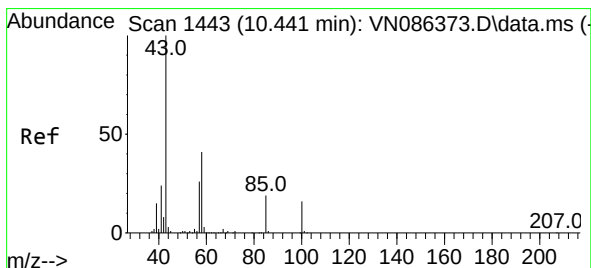
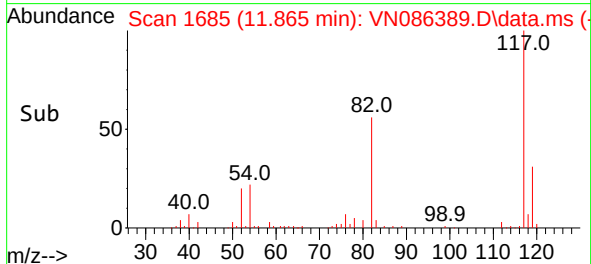
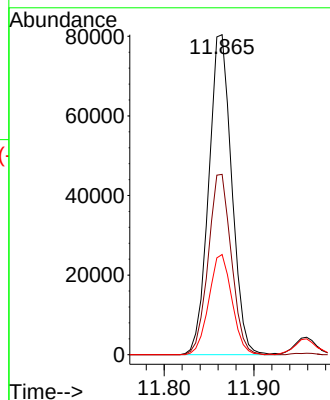
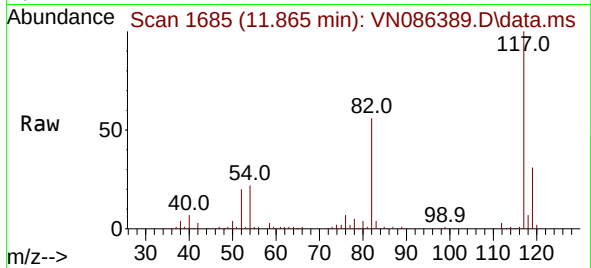




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

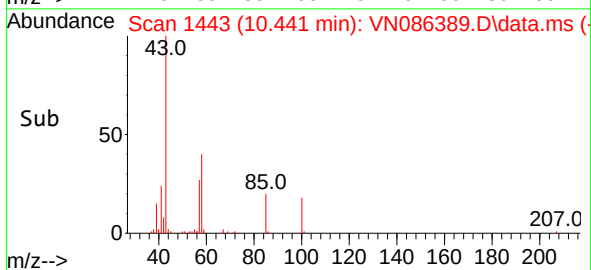
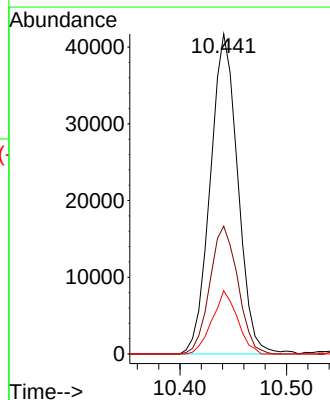
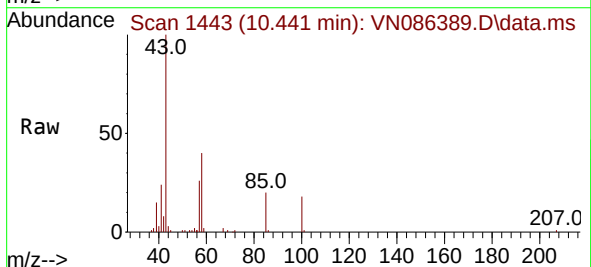
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 143224 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.6  | 45.5  | 68.3   |
| 119      | 31.4  | 25.9  | 38.9   |

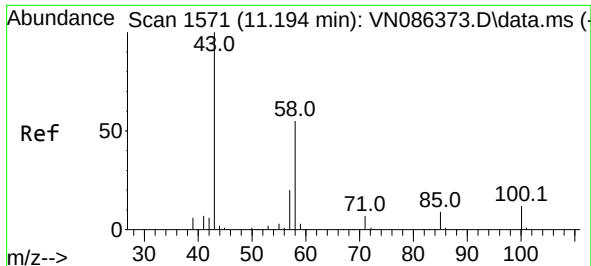


#58  
4-Methyl-2-Pentanone  
Concen: 26.949 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 74692 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 40.7  | 33.0  | 49.6  |
| 85       | 18.2  | 14.9  | 22.3  |



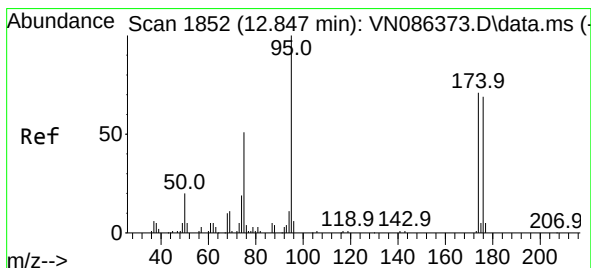
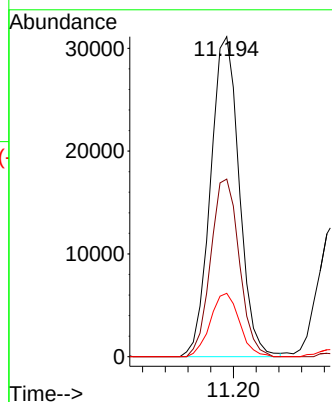
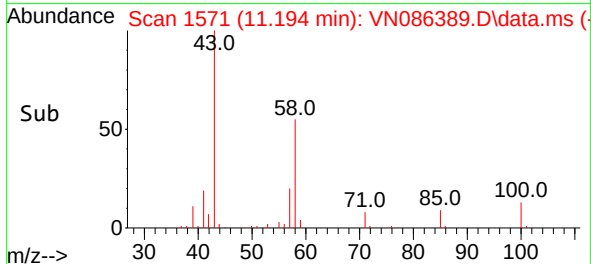
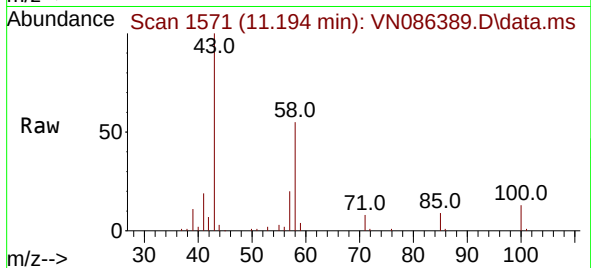




#59  
2-Hexanone  
Concen: 26.715 ug/l  
RT: 11.194 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

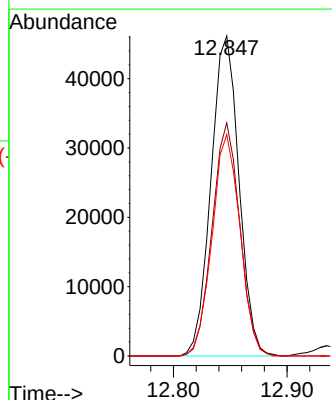
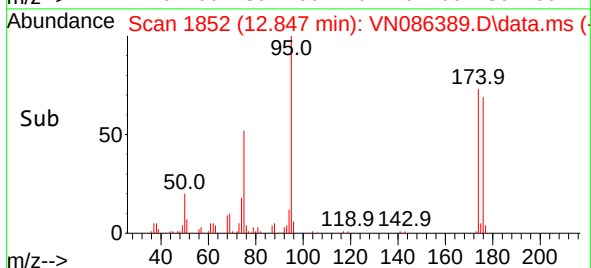
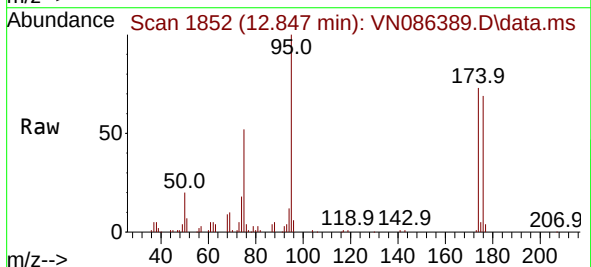
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

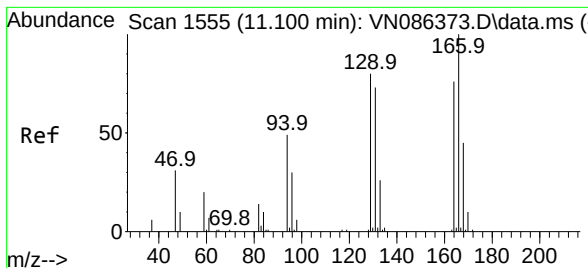
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 54564 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 55.3  | 45.0  | 67.6  |
| 57       | 20.1  | 15.5  | 23.3  |



#60  
4-Bromofluorobenzene  
Concen: 28.107 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 79121 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 72.0  | 56.6  | 84.8  |
| 176      | 69.1  | 53.3  | 79.9  |





#61

Tetrachloroethene

Concen: 4.976 ug/l

RT: 11.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2025

Tgt Ion:164 Resp: 10870

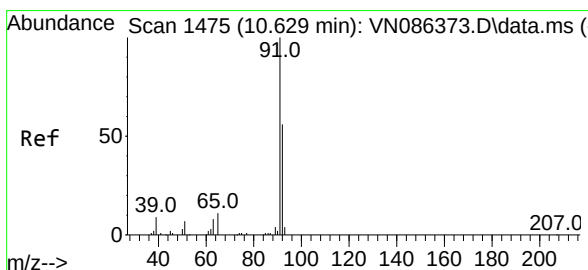
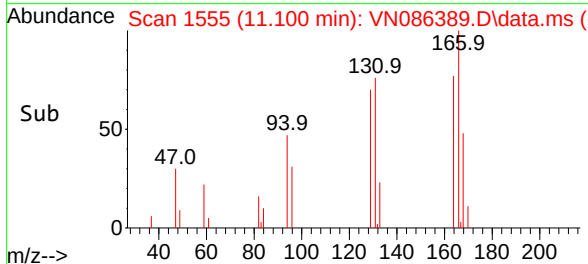
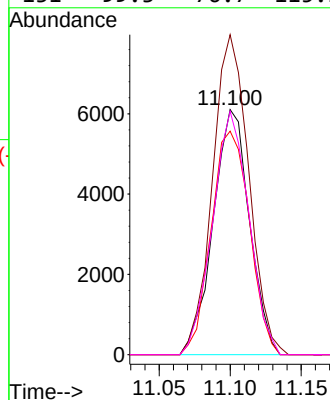
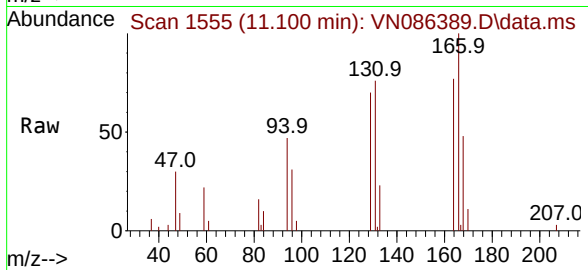
Ion Ratio Lower Upper

164 100

166 130.6 105.0 157.4

129 91.2 83.9 125.9

131 99.3 76.7 115.1



#62

Toluene

Concen: 5.319 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN086389.D

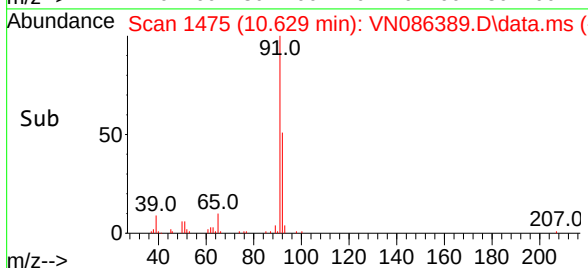
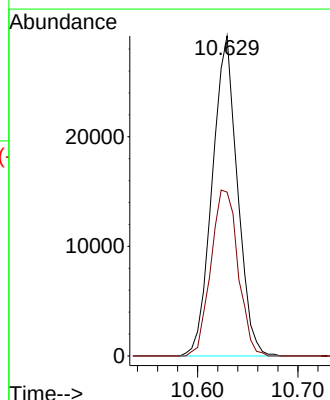
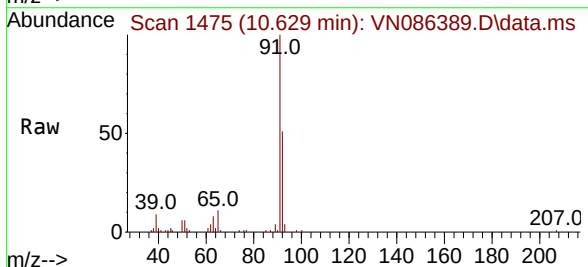
Acq: 23 Apr 2025 18:01

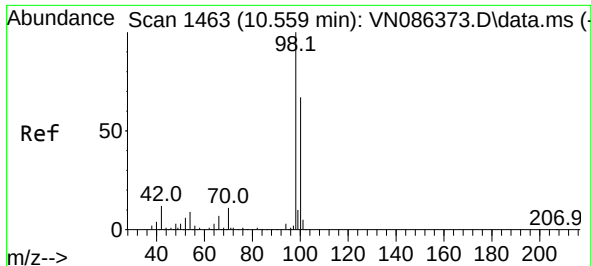
Tgt Ion: 91 Resp: 50994

Ion Ratio Lower Upper

91 100

92 55.9 45.7 68.5

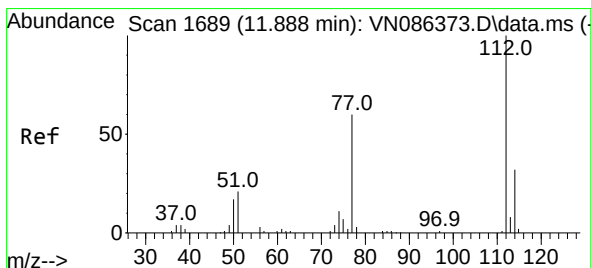
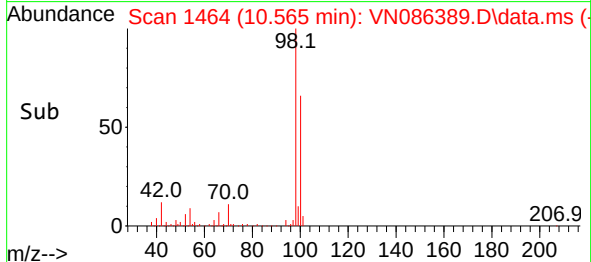
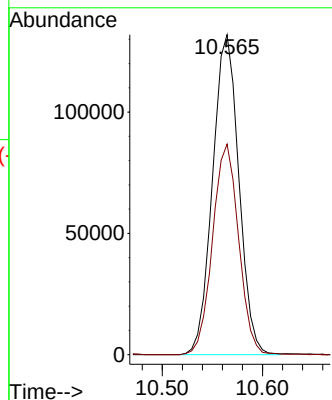
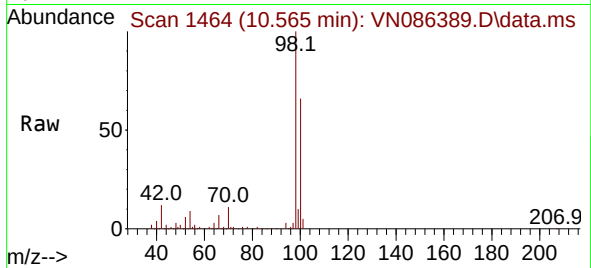




#63  
Toluene-d8  
Concen: 30.492 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

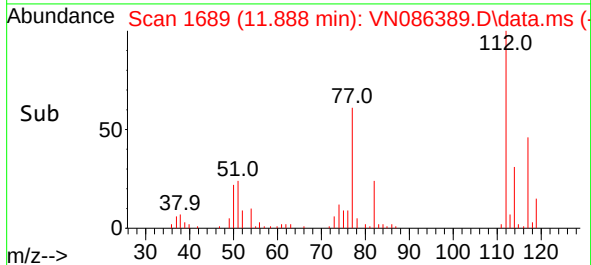
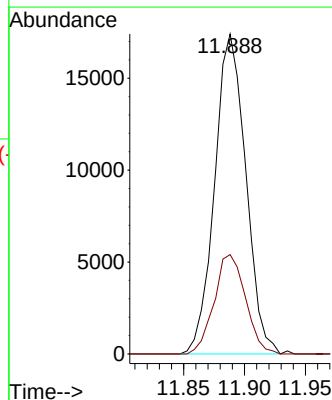
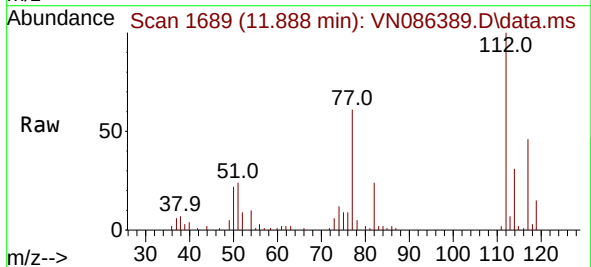
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

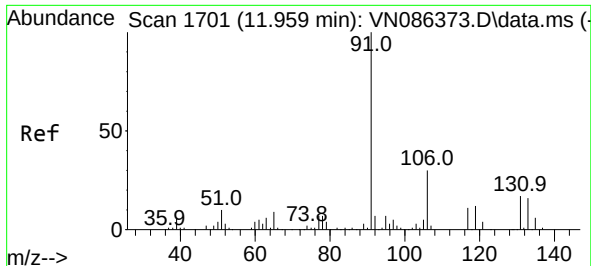
Tgt Ion: 98 Resp: 240260  
Ion Ratio Lower Upper  
98 100  
100 65.2 53.1 79.7



#64  
Chlorobenzene  
Concen: 5.178 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 112 Resp: 30934  
Ion Ratio Lower Upper  
112 100  
114 31.1 25.6 38.4

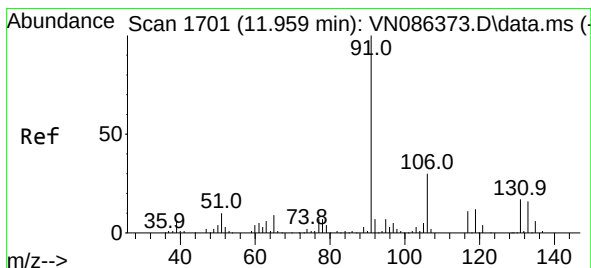
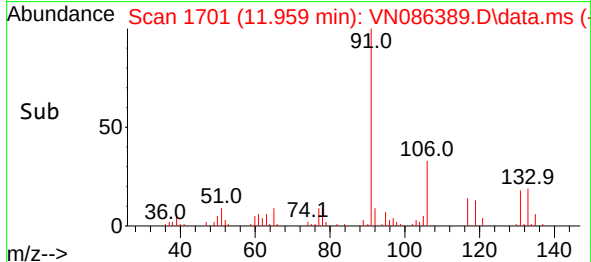
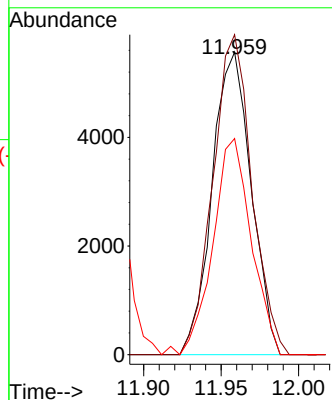
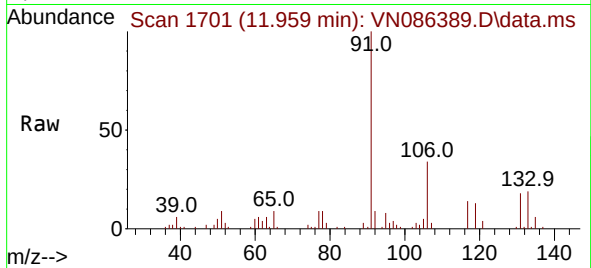




#65  
1,1,1,2-Tetrachloroethane  
Concen: 4.887 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

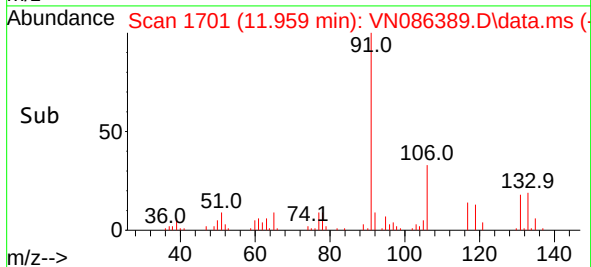
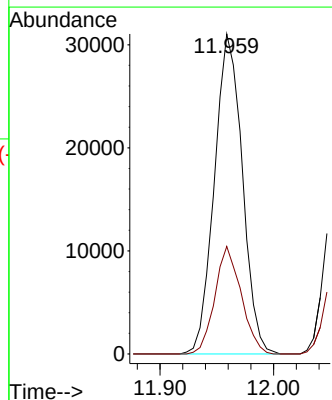
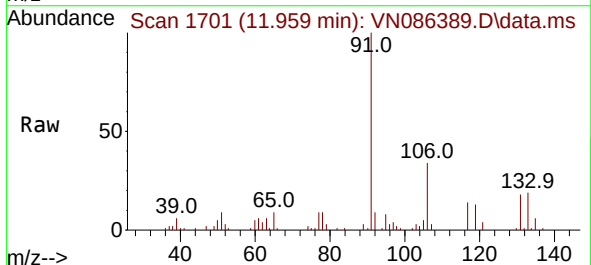
Instrument : MSVOA\_N  
ClientSampleId : LOQ-WATER-02-QT1-2025

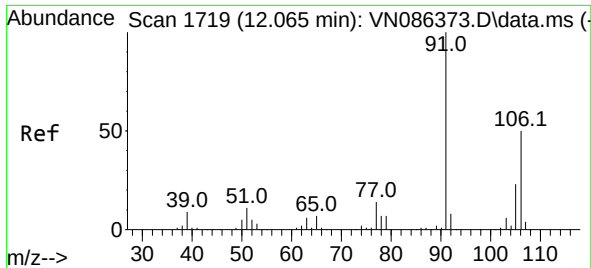
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:131 | Resp: | 9761      |
| Ion Ratio   | Lower | Upper     |
| 131         | 100   |           |
| 133         | 105.5 | 0.0 191.4 |
| 119         | 69.6  | 0.0 133.6 |



#66  
Ethyl Benzene  
Concen: 4.913 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 91 | Resp: | 53014     |
| Ion Ratio   | Lower | Upper     |
| 91          | 100   |           |
| 106         | 33.6  | 24.3 36.5 |

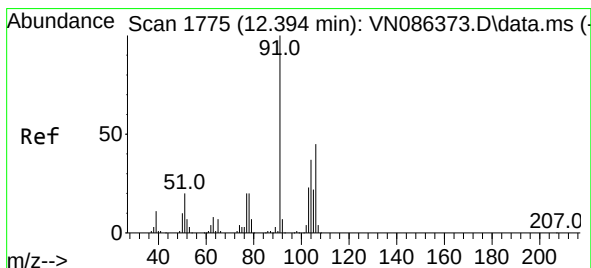
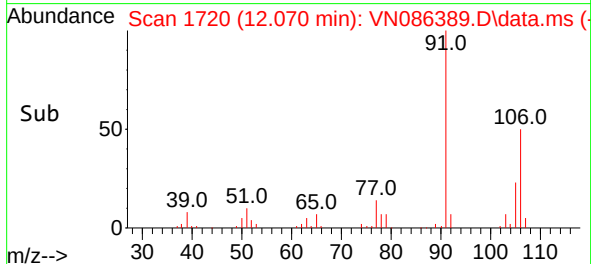
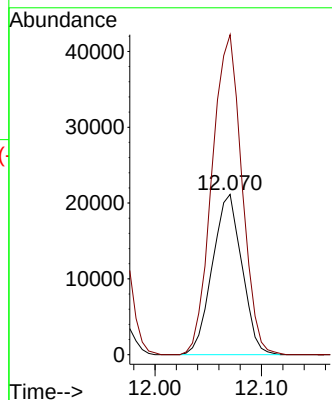
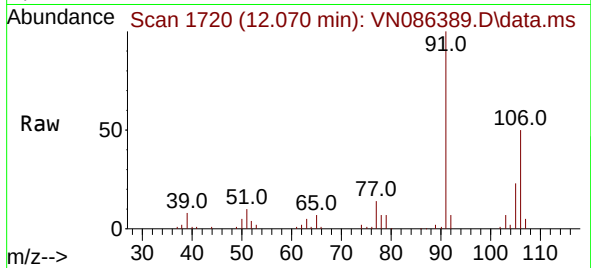




#67  
m/p-Xylenes  
Concen: 9.959 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. 0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

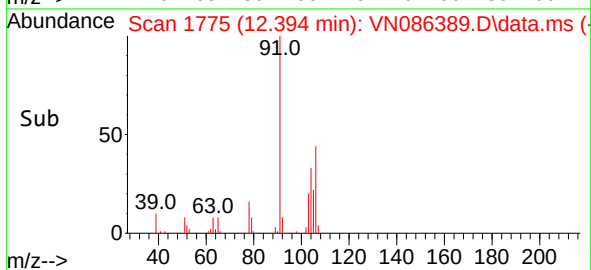
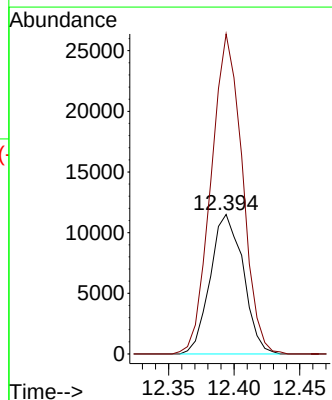
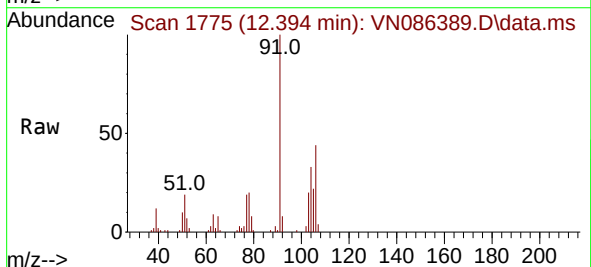
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

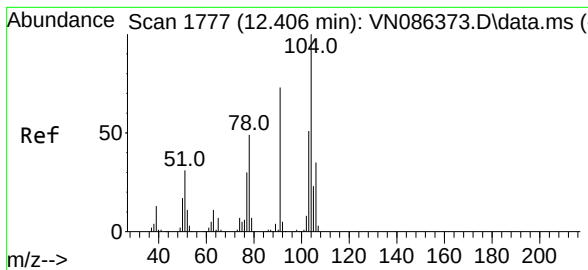
Tgt Ion:106 Resp: 40778  
Ion Ratio Lower Upper  
106 100  
91 201.5 162.6 243.8



#68  
o-Xylene  
Concen: 5.019 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion:106 Resp: 20119  
Ion Ratio Lower Upper  
106 100  
91 217.4 110.6 331.6





#69

Styrene

Concen: 4.683 ug/l

RT: 12.406 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2025

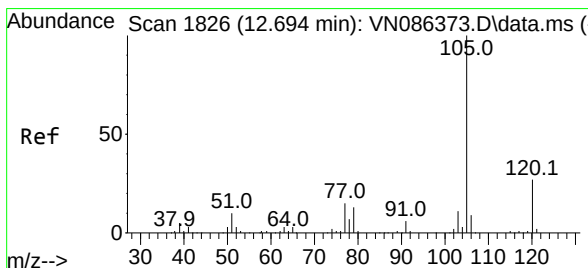
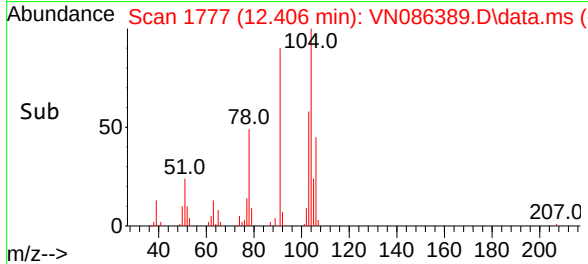
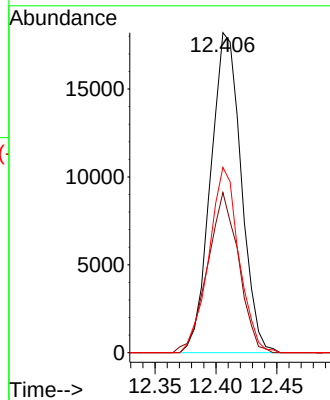
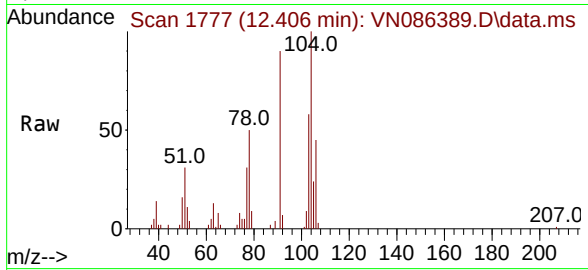
Tgt Ion:104 Resp: 31818

Ion Ratio Lower Upper

104 100

78 50.9 40.2 60.4

103 57.1 43.8 65.8



#70

Isopropylbenzene

Concen: 4.887 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN086389.D

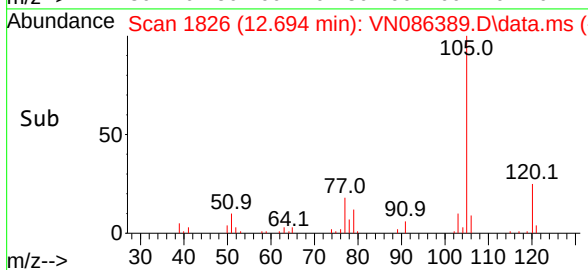
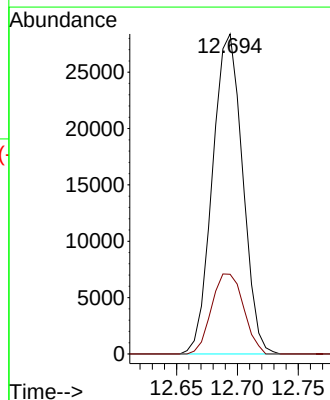
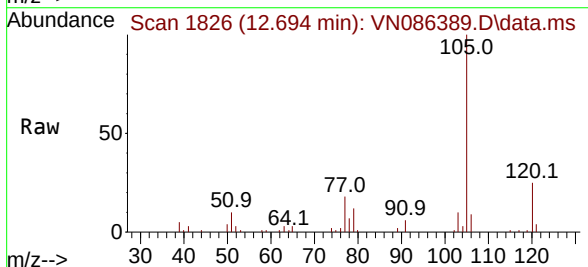
Acq: 23 Apr 2025 18:01

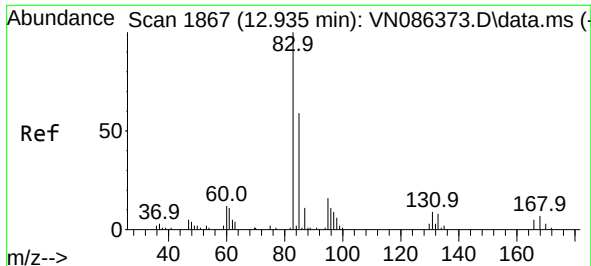
Tgt Ion:105 Resp: 48906

Ion Ratio Lower Upper

105 100

120 26.5 18.2 33.8

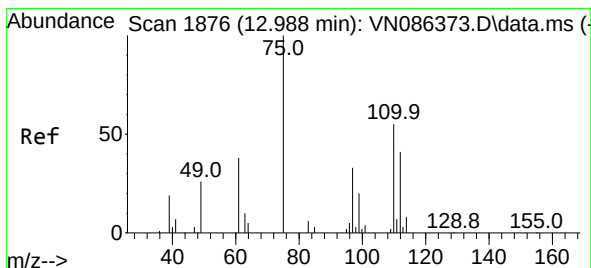
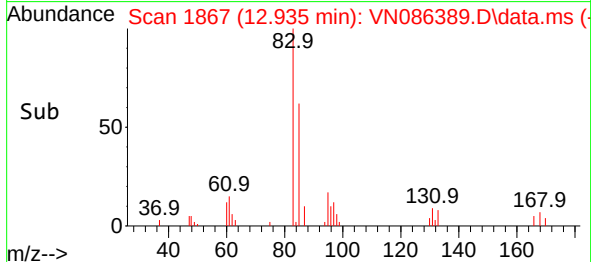
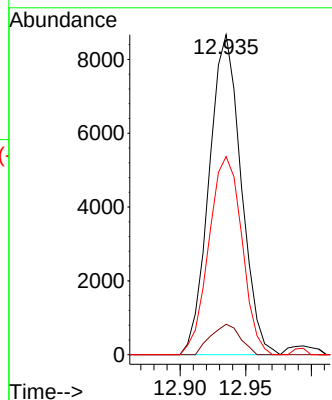
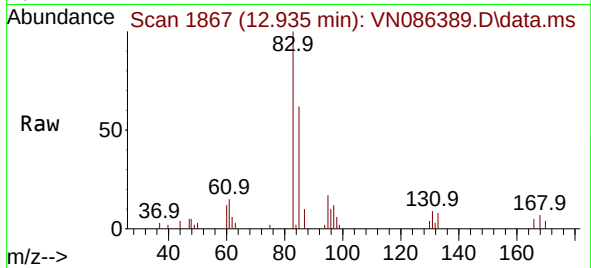




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 5.586 ug/l  
 RT: 12.935 min Scan# 1867  
 Delta R.T. -0.000 min  
 Lab File: VN086389.D  
 Acq: 23 Apr 2025 18:01

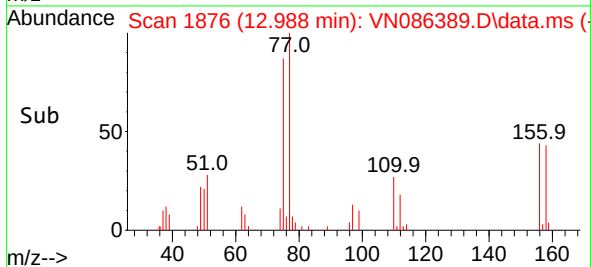
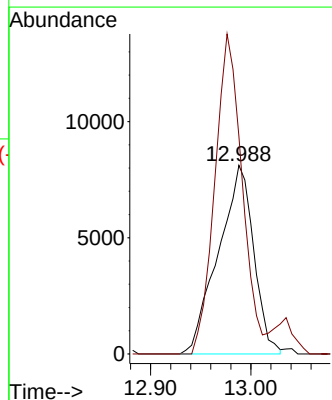
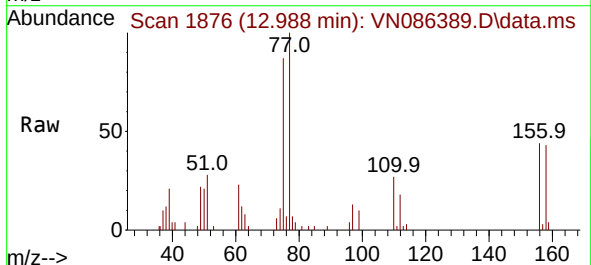
Instrument : MSVOA\_N  
 ClientSampleId : LOQ-WATER-02-QT1-2025

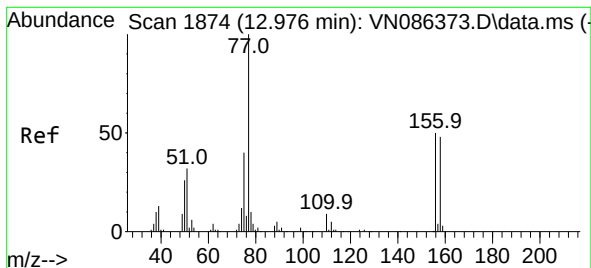
Tgt Ion: 83 Resp: 14719  
 Ion Ratio Lower Upper  
 83 100  
 131 8.7 4.5 13.7  
 85 63.9 31.7 95.1



#72  
 1,2,3-Trichloropropane  
 Concen: 8.641 ug/l  
 RT: 12.988 min Scan# 1876  
 Delta R.T. -0.000 min  
 Lab File: VN086389.D  
 Acq: 23 Apr 2025 18:01

Tgt Ion: 75 Resp: 19852  
 Ion Ratio Lower Upper  
 75 100  
 77 130.6 0.0 464.4





#73

Bromobenzene

Concen: 4.872 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2025

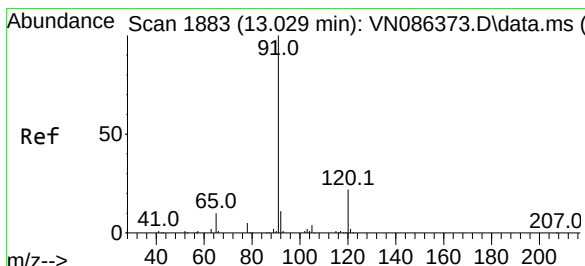
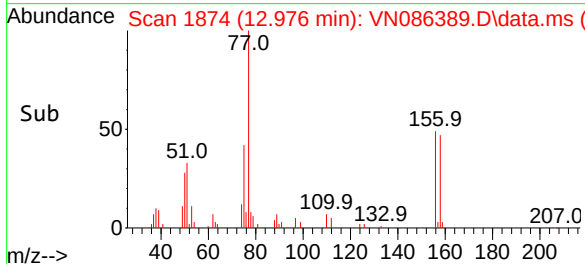
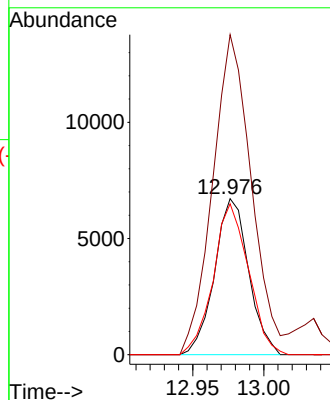
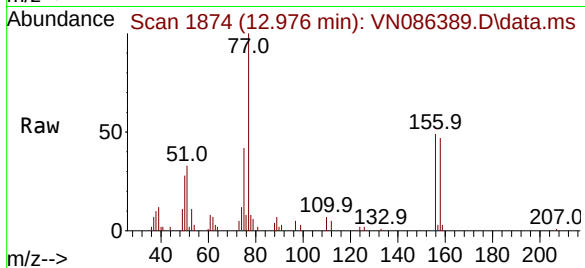
Tgt Ion:156 Resp: 11208

Ion Ratio Lower Upper

156 100

77 231.2 0.0 463.4

158 99.8 0.0 191.8



#74

n-propylbenzene

Concen: 4.697 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.006 min

Lab File: VN086389.D

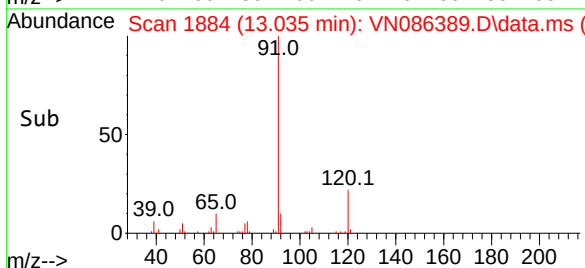
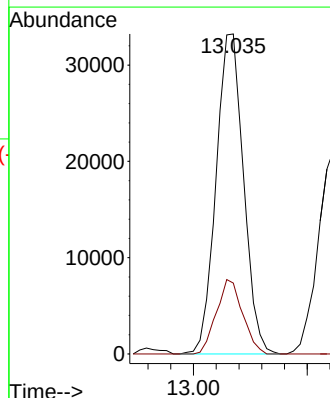
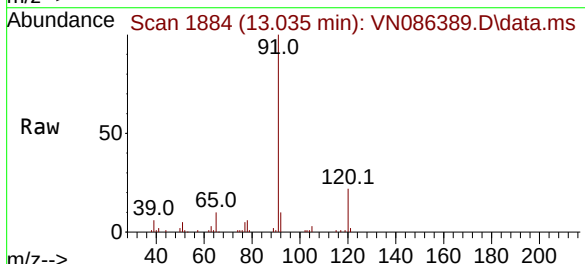
Acq: 23 Apr 2025 18:01

Tgt Ion: 91 Resp: 55850

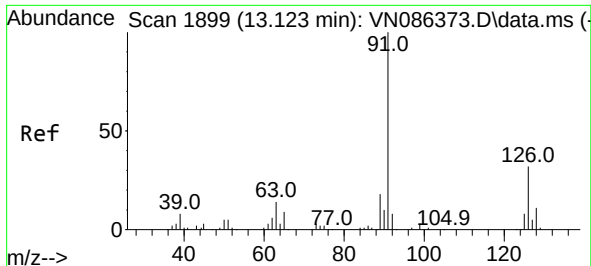
Ion Ratio Lower Upper

91 100

120 22.2 0.0 43.8



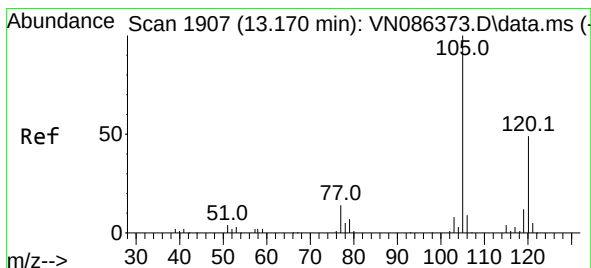
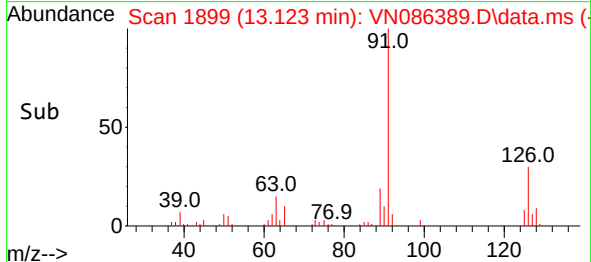
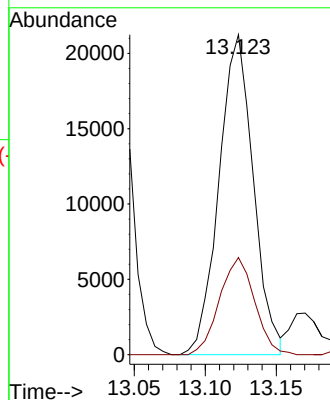
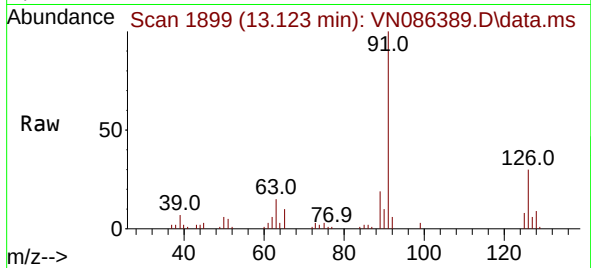




#75  
2-Chlorotoluene  
Concen: 4.815 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

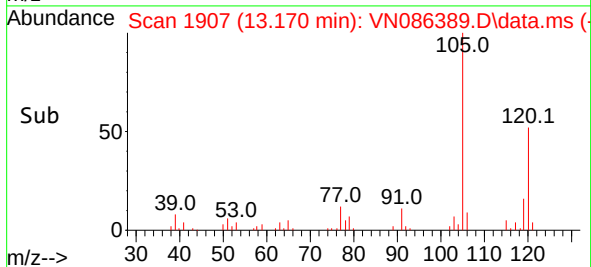
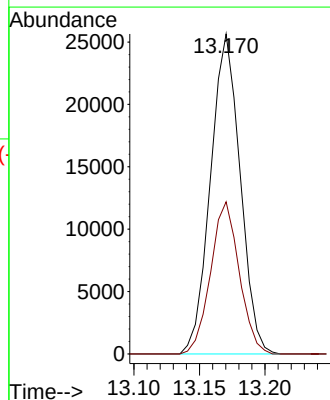
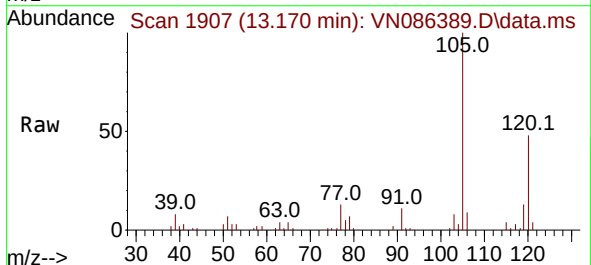
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

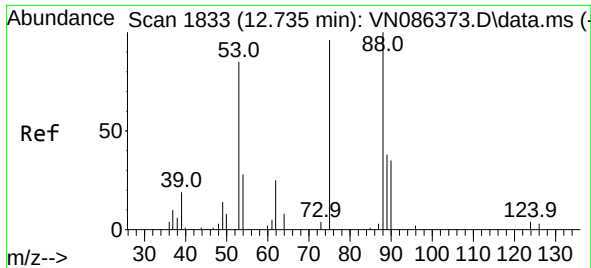
Tgt Ion: 91 Resp: 35741  
Ion Ratio Lower Upper  
91 100  
126 31.0 0.0 65.0



#76  
1,3,5-Trimethylbenzene  
Concen: 4.906 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 105 Resp: 40283  
Ion Ratio Lower Upper  
105 100  
120 45.9 0.0 97.6

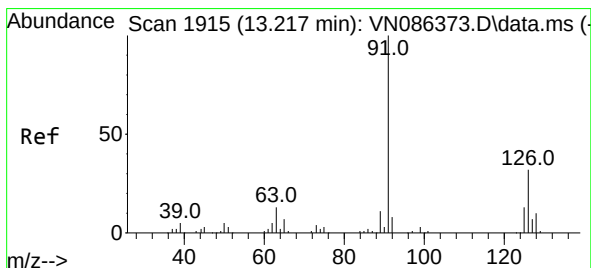
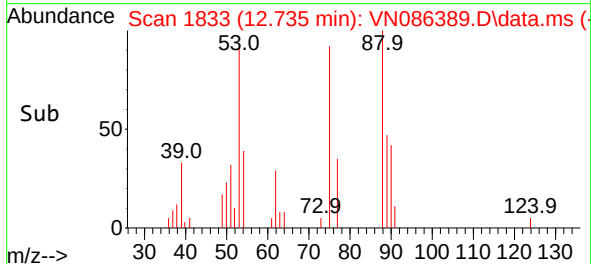
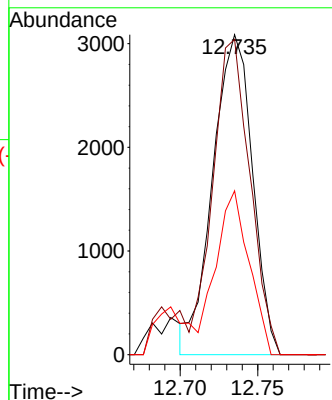
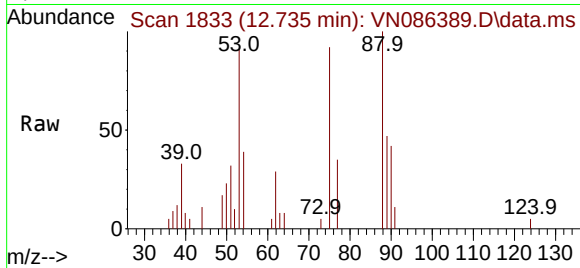




#77  
t-1,4-Dichloro-2-butene  
Concen: 4.709 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

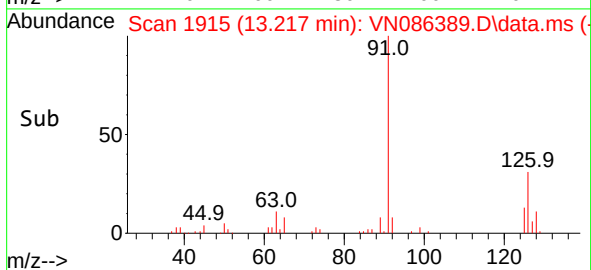
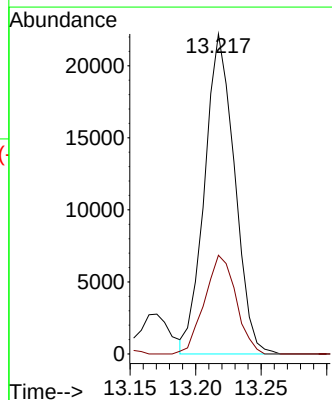
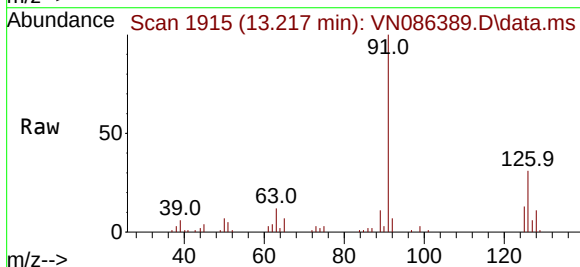
Instrument : MSVOA\_N  
ClientSampleId : LOQ-WATER-02-QT1-2025

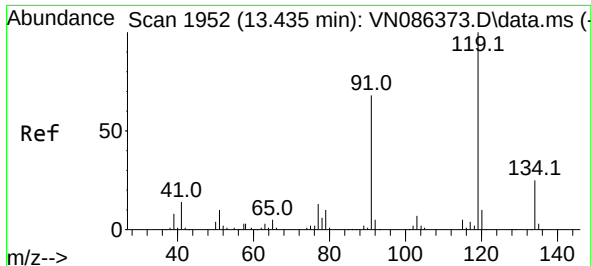
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5490  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 98.6  | 46.0  | 138.0 |
| 89       | 51.2  | 21.6  | 64.6  |



#78  
4-Chlorotoluene  
Concen: 4.758 ug/l  
RT: 13.217 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 35319 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 32.3  | 0.0   | 65.4  |

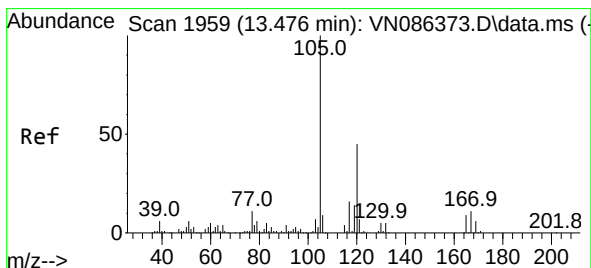
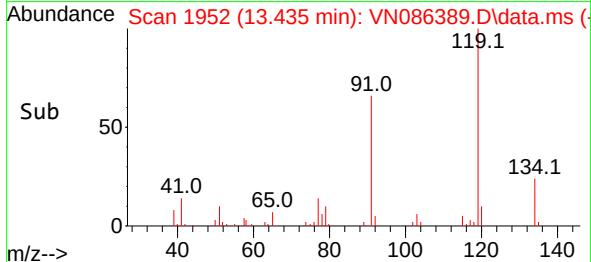
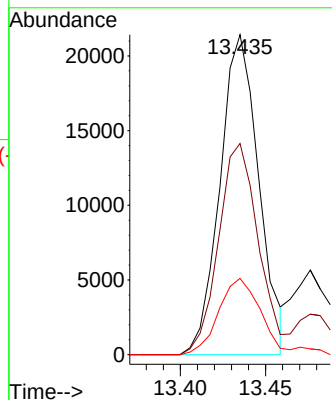
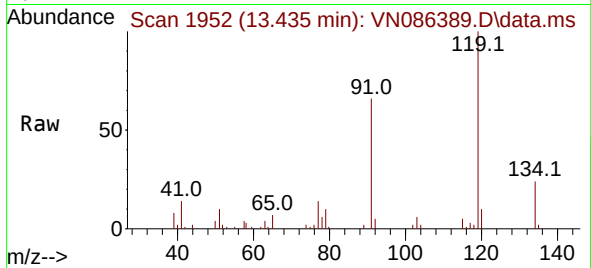




#79  
tert-butylbenzene  
Concen: 4.838 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

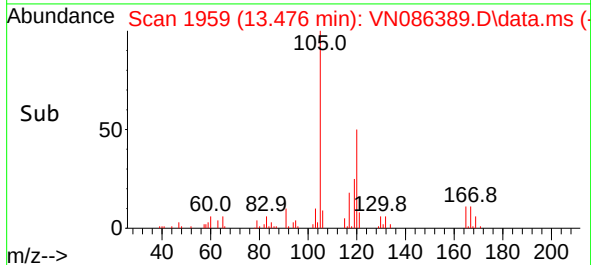
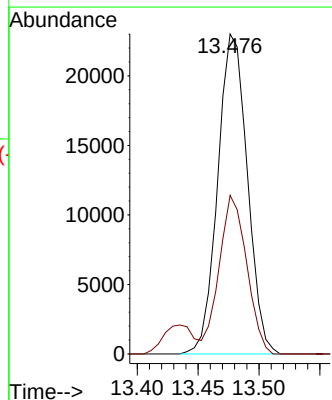
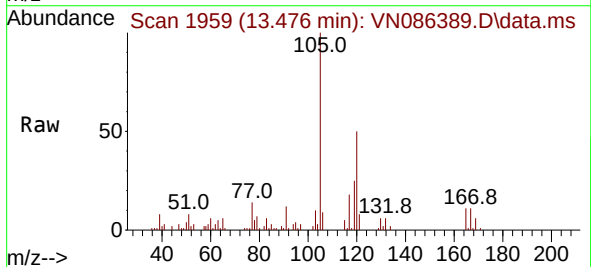
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

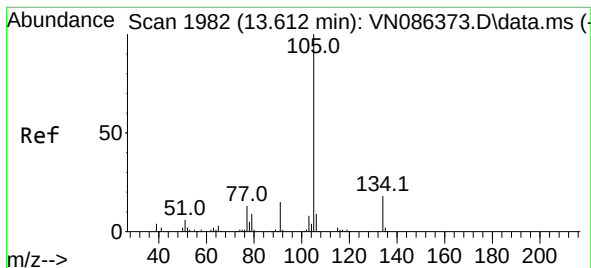
Tgt Ion:119 Resp: 34022  
Ion Ratio Lower Upper  
119 100  
91 67.1 0.0 137.4  
134 25.5 0.0 49.2



#80  
1,2,4-Trimethylbenzene  
Concen: 4.637 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion:105 Resp: 38889  
Ion Ratio Lower Upper  
105 100  
120 46.0 0.0 87.6





#81

sec-Butylbenzene

Concen: 4.637 ug/l

RT: 13.611 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

Instrument :

MSVOA\_N

ClientSampleId :

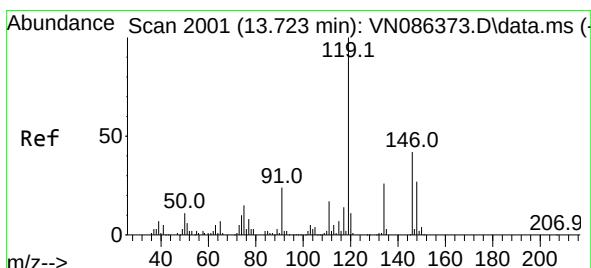
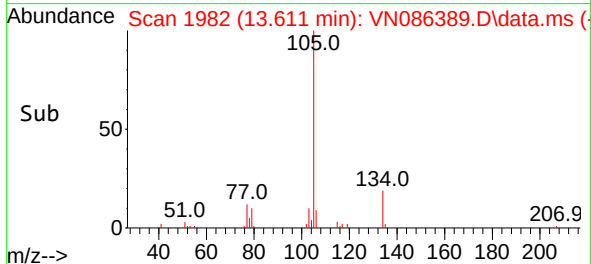
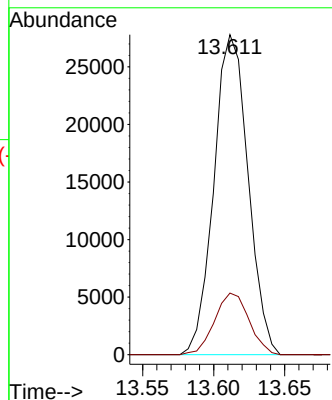
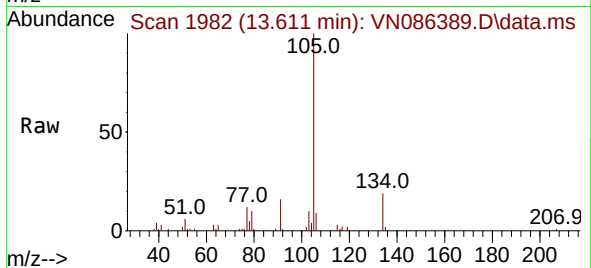
LOQ-WATER-02-QT1-2025

Tgt Ion:105 Resp: 46549

Ion Ratio Lower Upper

105 100

134 19.4 0.0 38.4



#82

p-Isopropyltoluene

Concen: 4.400 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VN086389.D

Acq: 23 Apr 2025 18:01

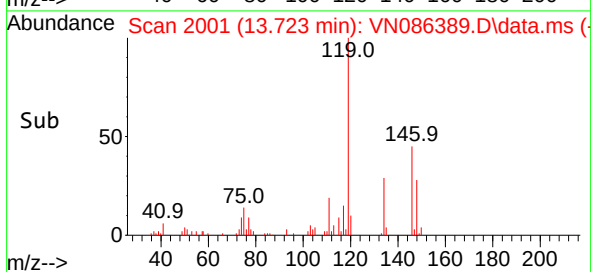
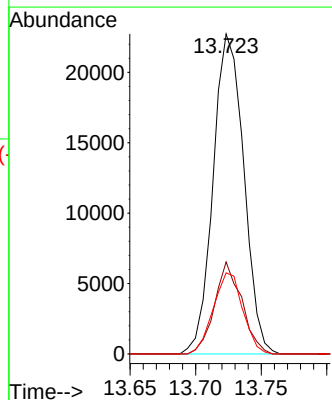
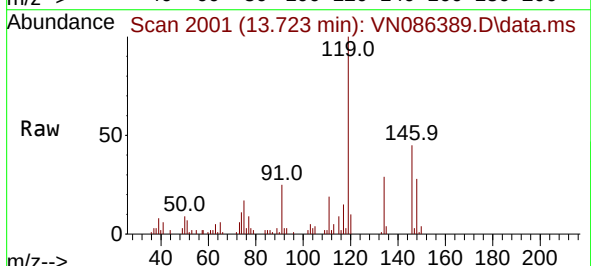
Tgt Ion:119 Resp: 36960

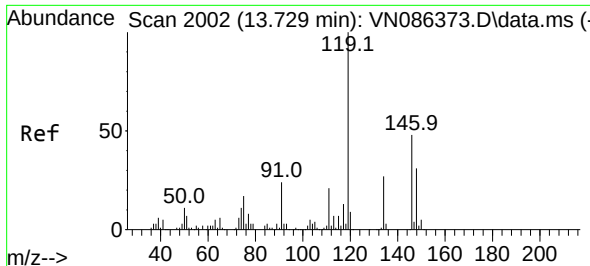
Ion Ratio Lower Upper

119 100

134 25.6 0.0 52.2

91 24.4 0.0 47.6

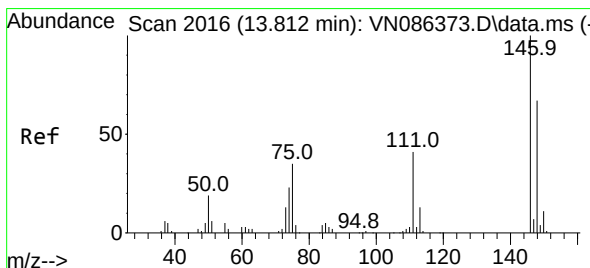
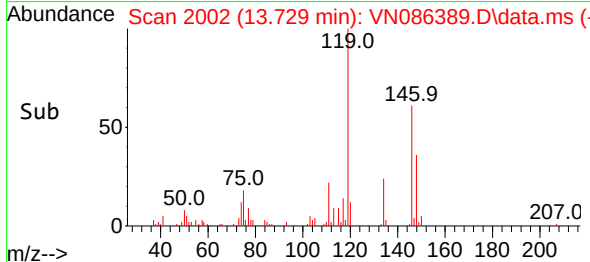
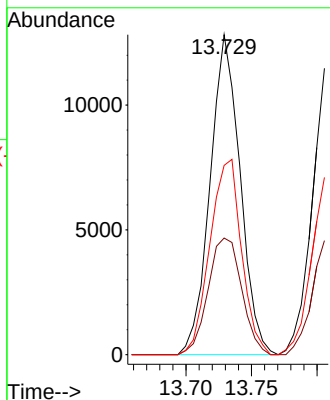
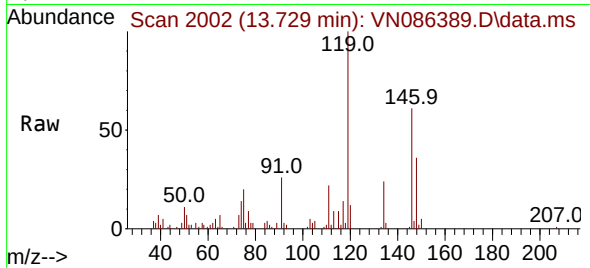




#83  
1,3-Dichlorobenzene  
Concen: 4.694 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

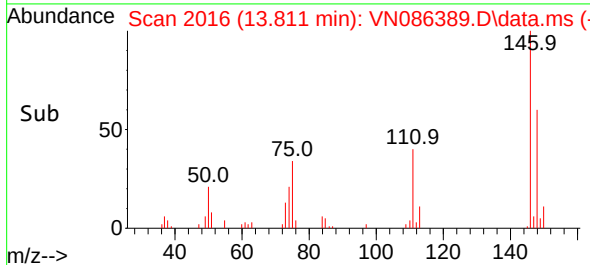
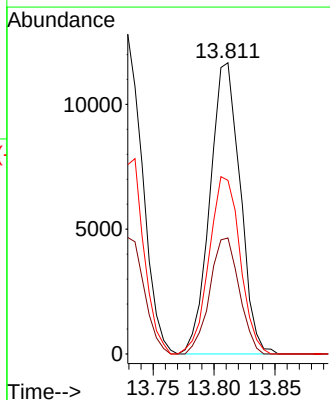
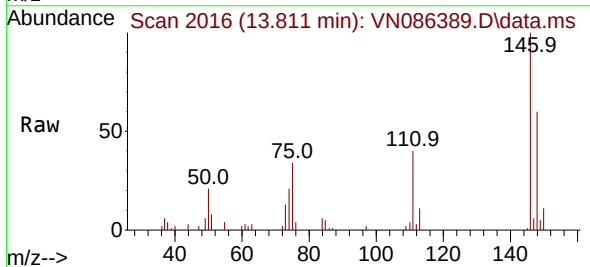
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

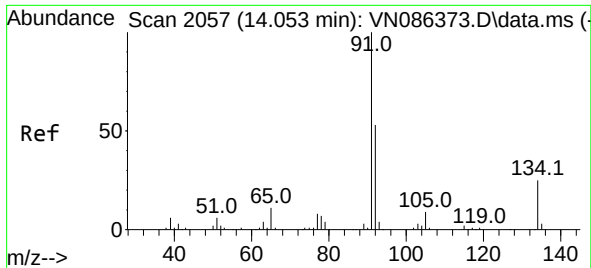
Tgt Ion:146 Resp: 20416  
Ion Ratio Lower Upper  
146 100  
111 40.8 20.7 62.1  
148 64.2 32.3 96.8



#84  
1,4-Dichlorobenzene  
Concen: 4.694 ug/l  
RT: 13.811 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion:146 Resp: 20170  
Ion Ratio Lower Upper  
146 100  
111 38.8 20.3 60.8  
148 62.5 32.4 97.2

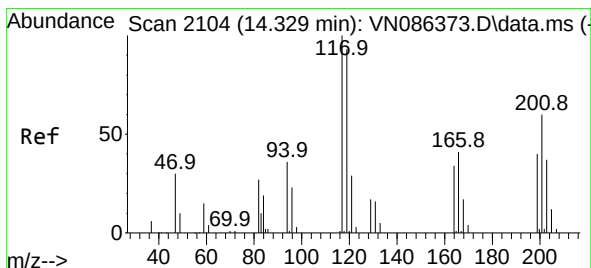
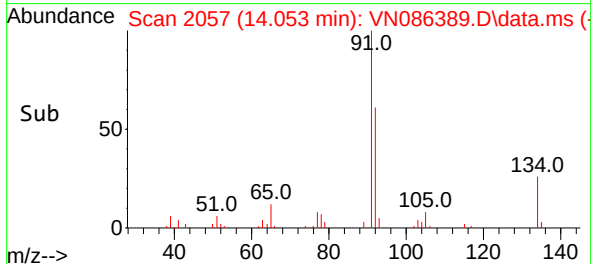
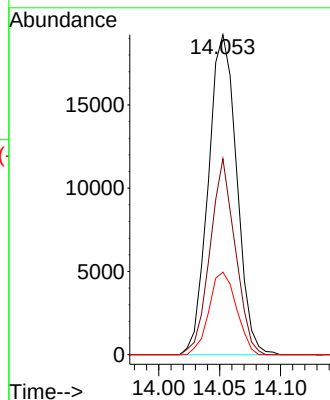
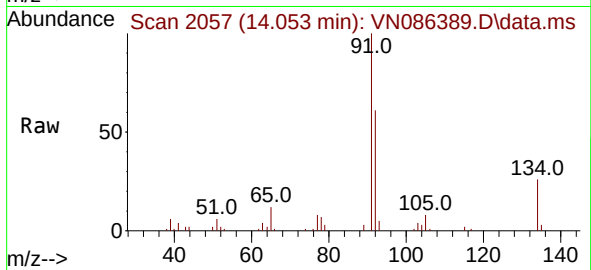




#85  
n-Butylbenzene  
Concen: 4.161 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

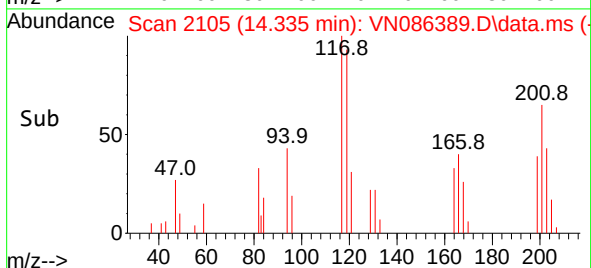
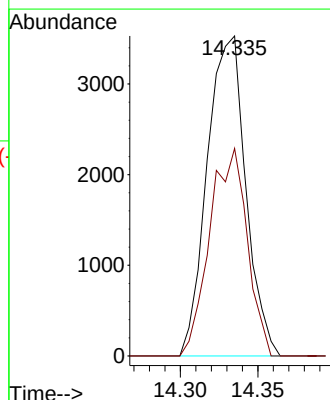
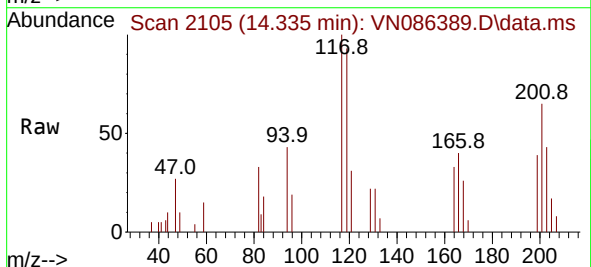
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

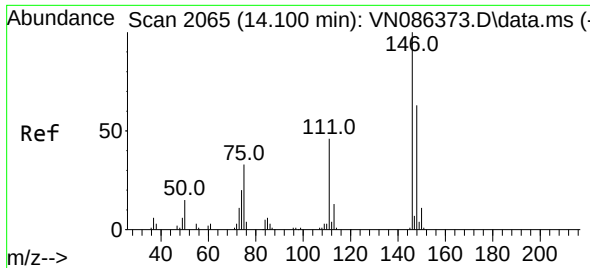
Tgt Ion: 91 Resp: 31187  
Ion Ratio Lower Upper  
91 100  
92 54.4 0.0 107.2  
134 24.9 0.0 48.2



#86  
Hexachloroethane  
Concen: 4.448 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion: 117 Resp: 6110  
Ion Ratio Lower Upper  
117 100  
201 62.9 31.7 95.1

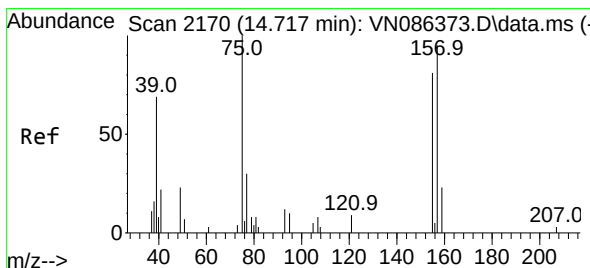
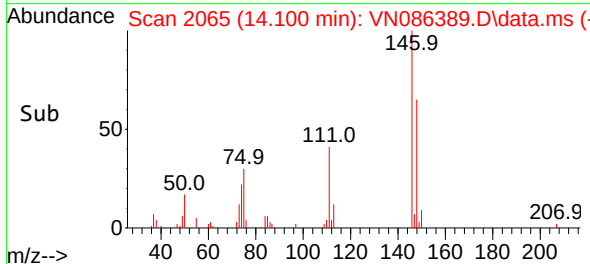
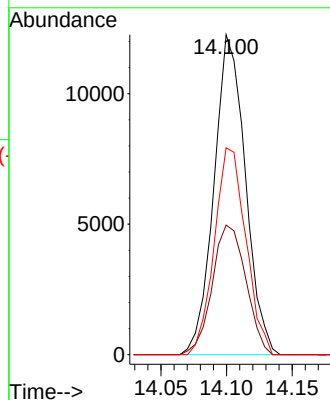
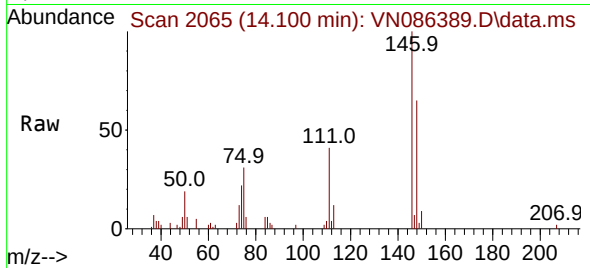




#87  
1,2-Dichlorobenzene  
Concen: 4.929 ug/l  
RT: 14.100 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

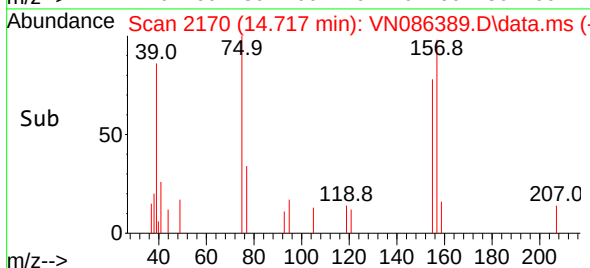
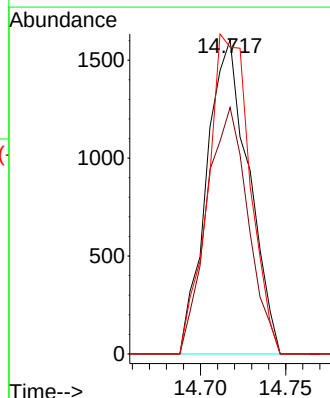
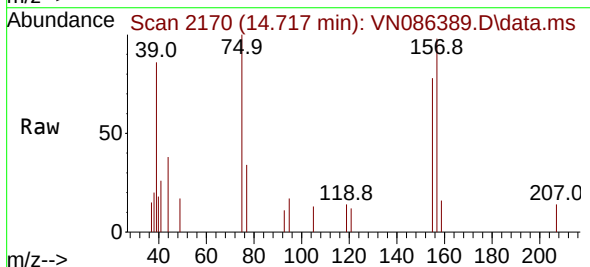
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

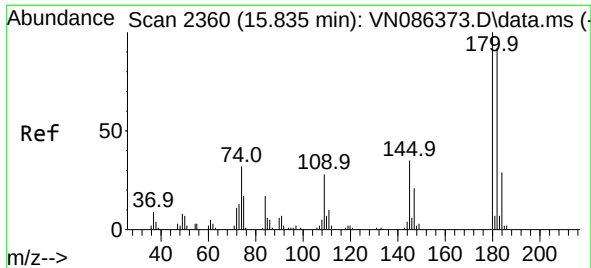
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 20396 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 43.4  | 22.1  | 66.3  |
| 148      | 65.0  | 32.0  | 96.0  |



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 5.153 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2760  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 77.2  | 64.0  | 96.0  |
| 157      | 101.7 | 78.2  | 117.4 |

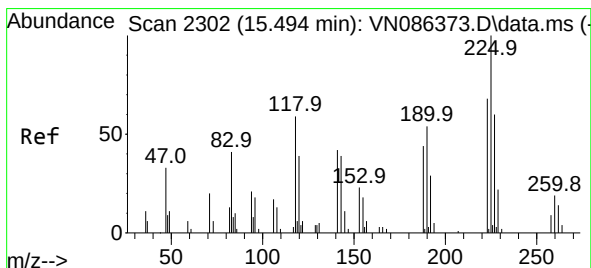
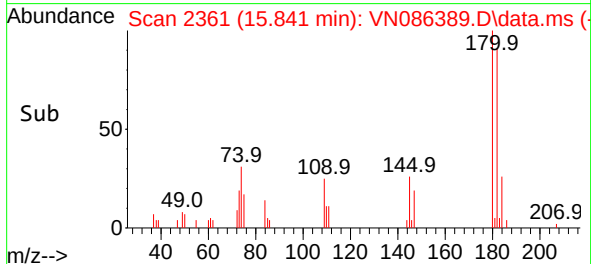
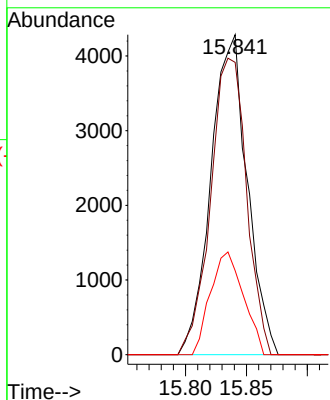
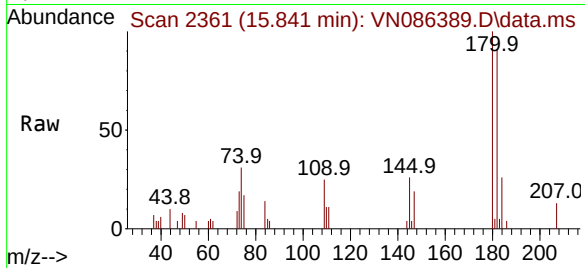




#89  
1,2,4-Trichlorobenzene  
Concen: 4.721 ug/l  
RT: 15.841 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

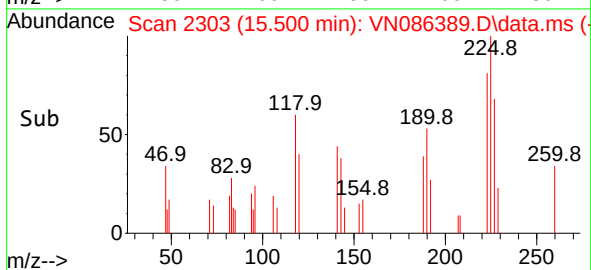
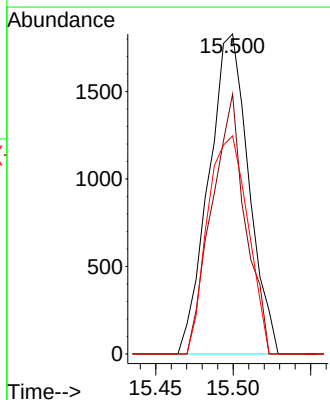
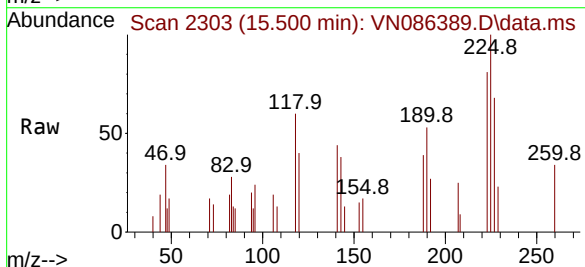
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

Tgt Ion:180 Resp: 8905  
Ion Ratio Lower Upper  
180 100  
182 91.6 74.8 112.2  
145 29.2 26.9 40.3

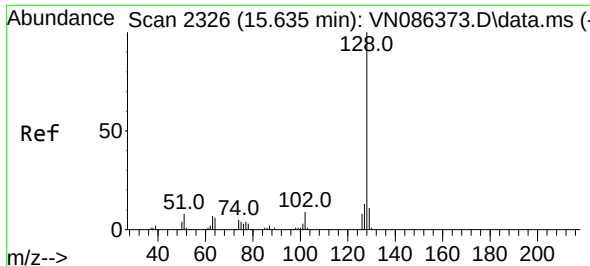


#90  
Hexachlorobutadiene  
Concen: 4.321 ug/l  
RT: 15.500 min Scan# 2303  
Delta R.T. 0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Tgt Ion:225 Resp: 3283  
Ion Ratio Lower Upper  
225 100  
223 68.0 0.0 128.8  
227 68.5 0.0 120.2



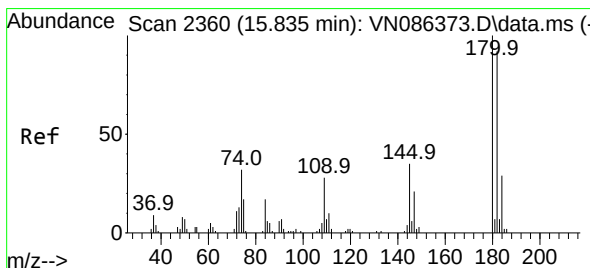
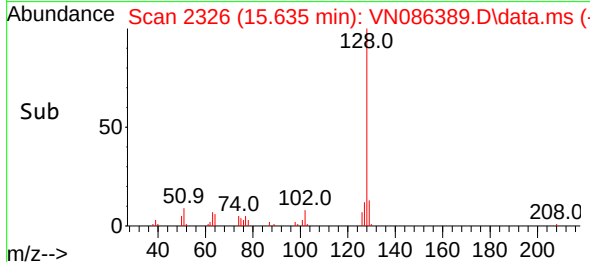
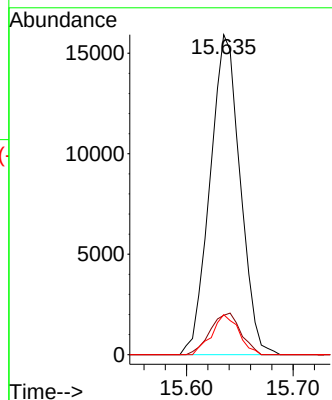
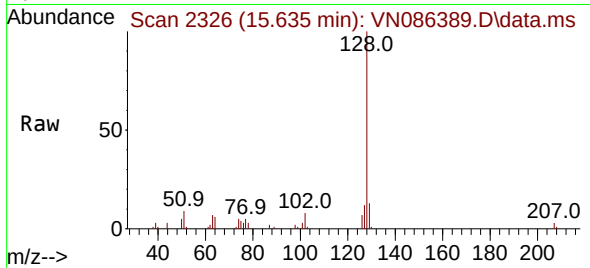




#91  
Naphthalene  
Concen: 4.636 ug/l  
RT: 15.635 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 31306 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.2  | 10.6  | 15.8  |
| 129       | 11.2  | 8.7   | 13.1  |



#92  
1,2,3-Trichlorobenzene  
Concen: 4.721 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. 0.006 min  
Lab File: VN086389.D  
Acq: 23 Apr 2025 18:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 8905  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 91.6  | 0.0   | 187.0 |
| 145       | 29.2  | 0.0   | 67.2  |

