

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110123\  
 Data File : VN079783.D  
 Acq On : 01 Nov 2023 19:54  
 Operator : JC\MD  
 Sample : 04699-08 5.0PPB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2023

Quant Time: Nov 02 05:59:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:49:08 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.224  | 168   | 282296   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106  | 114   | 493377   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.870 | 117   | 450264   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152   | 196253   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.582  | 65    | 226157   | 52.584   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 105.160% |
| 35) Dibromofluoromethane     | 8.171  | 113   | 175154   | 50.160   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 100.320% |
| 50) Toluene-d8               | 10.570 | 98    | 664620   | 51.701   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 103.400% |
| 62) 4-Bromofluorobenzene     | 12.853 | 95    | 207505   | 48.672   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 97.340%  |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 16569    | 4.873    | ug/l   | 99       |
| 3) Chloromethane             | 2.359  | 50    | 24404    | 5.000    | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.512  | 62    | 23586    | 5.299    | ug/l   | 95       |
| 5) Bromomethane              | 2.942  | 94    | 16271    | 6.016    | ug/l   | 96       |
| 6) Chloroethane              | 3.118  | 64    | 19078    | 5.425    | ug/l # | 88       |
| 7) Trichlorofluoromethane    | 3.494  | 101   | 29969    | 5.413    | ug/l   | 90       |
| 8) Diethyl Ether             | 3.965  | 74    | 10715    | 5.100    | ug/l   | 69       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377  | 101   | 17286    | 5.386    | ug/l   | 99       |
| 10) Methyl Iodide            | 4.594  | 142   | 16730    | 4.565    | ug/l   | 92       |
| 11) Tert butyl alcohol       | 5.524  | 59    | 14780    | 26.921   | ug/l # | 87       |
| 12) 1,1-Dichloroethene       | 4.336  | 96    | 16072    | 5.289    | ug/l   | 86       |
| 13) Acrolein                 | 4.189  | 56    | 12977    | 27.626   | ug/l   | 97       |
| 14) Allyl chloride           | 5.030  | 41    | 25566    | 5.493    | ug/l # | 91       |
| 15) Acrylonitrile            | 5.724  | 53    | 44368    | 25.932   | ug/l   | 98       |
| 16) Acetone                  | 4.436  | 43    | 37928    | 25.106   | ug/l   | 90       |
| 17) Carbon Disulfide         | 4.706  | 76    | 45487    | 5.190    | ug/l   | 99       |
| 18) Methyl Acetate           | 5.030  | 43    | 37861    | 5.238    | ug/l # | 82       |
| 19) Methyl tert-butyl Ether  | 5.800  | 73    | 51677    | 4.940    | ug/l   | 100      |
| 20) Methylene Chloride       | 5.283  | 84    | 20334    | 5.334    | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene | 5.783  | 96    | 17837    | 5.263    | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.677  | 45    | 56920    | 5.278    | ug/l # | 89       |
| 23) Vinyl Acetate            | 6.606  | 43    | 139240   | 23.405   | ug/l # | 84       |
| 24) 1,1-Dichloroethane       | 6.577  | 63    | 35721    | 5.449    | ug/l   | 95       |
| 25) 2-Butanone               | 7.488  | 43    | 58475    | 26.432   | ug/l # | 86       |
| 26) 2,2-Dichloropropane      | 7.494  | 77    | 26175    | 4.828    | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.494  | 96    | 19828    | 4.891    | ug/l   | 82       |
| 28) Bromochloromethane       | 7.812  | 49    | 17834    | 5.582    | ug/l # | 76       |
| 29) Tetrahydrofuran          | 7.841  | 42    | 36741    | 25.527   | ug/l # | 74       |
| 30) Chloroform               | 7.965  | 83    | 38317    | 5.381    | ug/l   | 89       |
| 31) Cyclohexane              | 8.253  | 56    | 34530    | 6.076    | ug/l   | 88       |
| 32) 1,1,1-Trichloroethane    | 8.171  | 97    | 31999    | 5.515    | ug/l   | 87       |
| 36) 1,1-Dichloropropene      | 8.377  | 75    | 25978    | 5.210    | ug/l   | 95       |
| 37) Ethyl Acetate            | 7.559  | 43    | 23794    | 5.204    | ug/l # | 92       |
| 38) Carbon Tetrachloride     | 8.365  | 117   | 26517    | 5.277    | ug/l   | 90       |
| 39) Methylcyclohexane        | 9.606  | 83    | 22589    | 4.814    | ug/l # | 79       |
| 40) Benzene                  | 8.606  | 78    | 78691    | 5.269    | ug/l   | 100      |

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 Sample : 04699-08 5.0PPB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2023

Quant Time: Nov 02 05:59:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:49:08 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.782  | 41   | 12241    | 5.041  | ug/l # | 85       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 29772    | 5.707  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 38072    | 4.748  | ug/l # | 92       |
| 44) Trichloroethene           | 9.353  | 130  | 18941    | 5.111  | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 21410    | 5.610  | ug/l   | 94       |
| 46) Dibromomethane            | 9.712  | 93   | 14070    | 5.399  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.894  | 83   | 28628    | 5.151  | ug/l # | 96       |
| 48) Methyl methacrylate       | 9.688  | 41   | 16600    | 4.726  | ug/l   | 86       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 6155     | 99.171 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43   | 117709   | 26.073 | ug/l   | 87       |
| 52) Toluene                   | 10.635 | 92   | 49472    | 5.588  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 25638    | 4.706  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 28872    | 4.862  | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 19771    | 5.552  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 23166    | 4.561  | ug/l # | 74       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 34097    | 5.432  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 57717    | 22.420 | ug/l   | 90       |
| 59) 2-Hexanone                | 11.200 | 43   | 84159    | 24.368 | ug/l   | 85       |
| 60) Dibromochloromethane      | 11.365 | 129  | 19593    | 5.140  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 18535    | 5.186  | ug/l   | 95       |
| 64) Tetrachloroethene         | 11.106 | 164  | 16944    | 5.810  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.894 | 112  | 51237    | 5.246  | ug/l   | 93       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 17824    | 5.065  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.970 | 91   | 83457    | 4.904  | ug/l   | 91       |
| 68) m/p-Xylenes               | 12.076 | 106  | 61483    | 9.699  | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 29182    | 4.781  | ug/l   | 96       |
| 70) Styrene                   | 12.417 | 104  | 45328    | 4.621  | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 12329    | 4.934  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.700 | 105  | 70519    | 4.735  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.494 | 43   | 28887    | 4.443  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 29045    | 5.500  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 33795    | 7.335  | ug/l   | 69       |
| 77) Bromobenzene              | 12.988 | 156  | 18974    | 5.203  | ug/l   | 94       |
| 78) n-propylbenzene           | 13.041 | 91   | 85045    | 4.986  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 54711    | 5.021  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 57792    | 4.987  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 6920     | 4.086  | ug/l # | 74       |
| 82) 4-Chlorotoluene           | 13.229 | 91   | 55265    | 5.104  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 45663    | 4.814  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 53774    | 4.716  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 63460    | 4.829  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 48961    | 4.570  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 33507    | 4.939  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.817 | 146  | 34493    | 5.009  | ug/l   | 93       |
| 89) n-Butylbenzene            | 14.059 | 91   | 40708    | 4.411  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.335 | 117  | 10641    | 5.015  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 32664    | 5.101  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 5030     | 5.617  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 13230    | 4.345  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.505 | 225  | 7093     | 5.139  | ug/l   | 96       |
| 95) Naphthalene               | 15.647 | 128  | 37147    | 3.597  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 13335    | 4.468  | ug/l   | 97       |

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Sample : 04699-08 5.0PPB  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 26 Sample Multiplier: 1

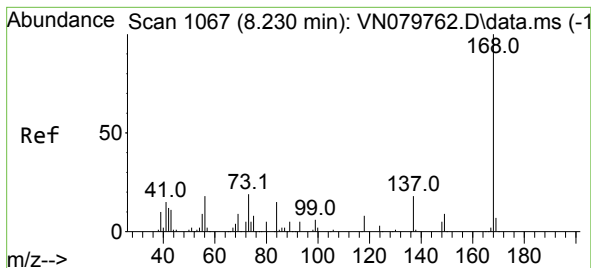
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

Quant Time: Nov 02 05:59:18 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 02 05:49:08 2023  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.005 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

Instrument :

MSVOA\_N

ClientSampleId :

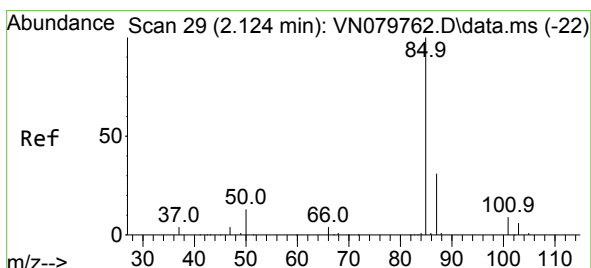
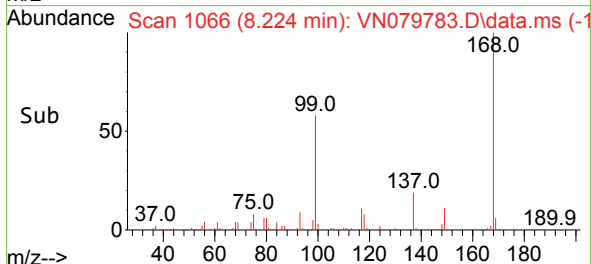
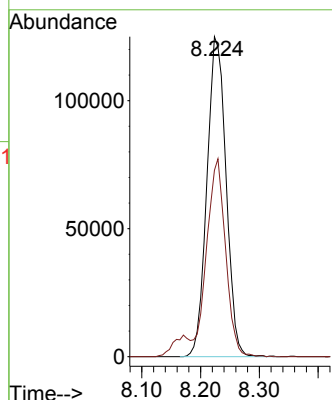
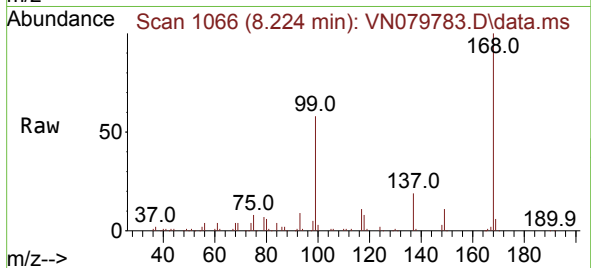
LOQ-WATER-02-QT4-2023

Tgt Ion:168 Resp: 282296

Ion Ratio Lower Upper

168 100

99 58.2 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 4.873 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.000 min

Lab File: VN079783.D

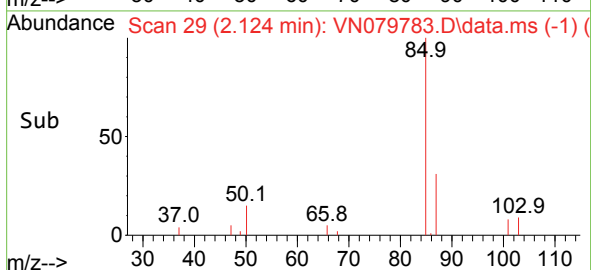
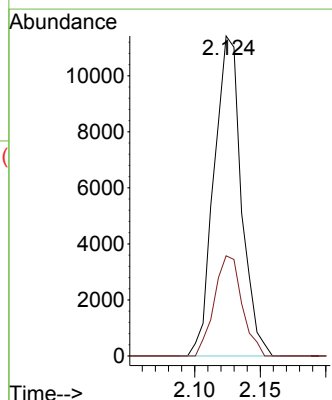
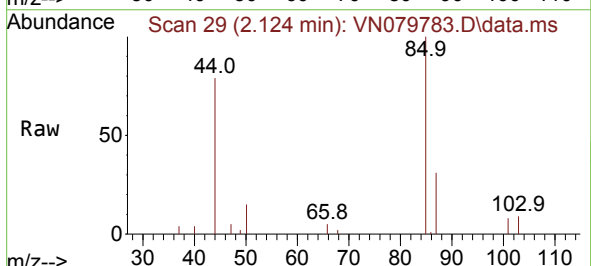
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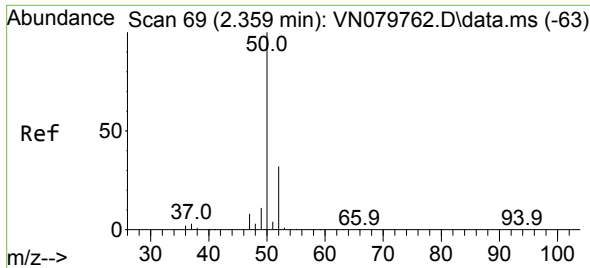
Tgt Ion: 85 Resp: 16569

Ion Ratio Lower Upper

85 100

87 31.3 15.8 47.4

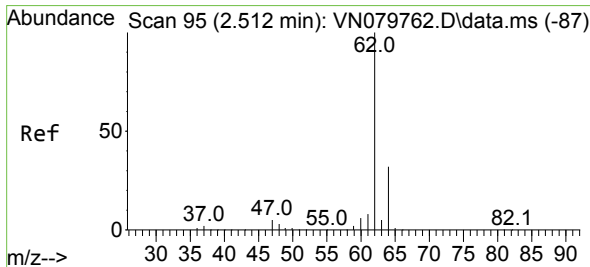
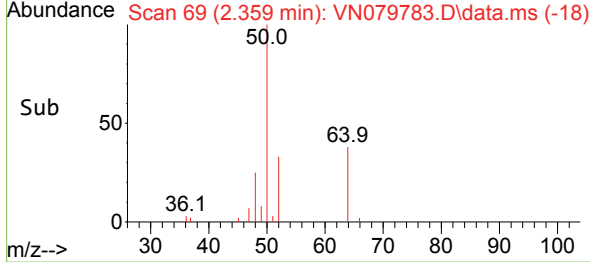
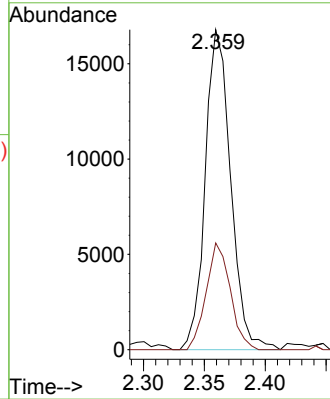
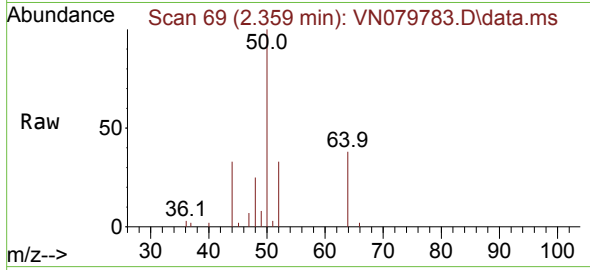




#3  
Chloromethane  
Concen: 5.000 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

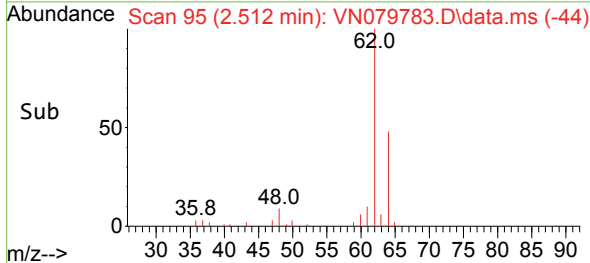
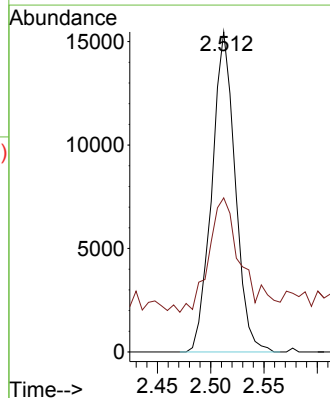
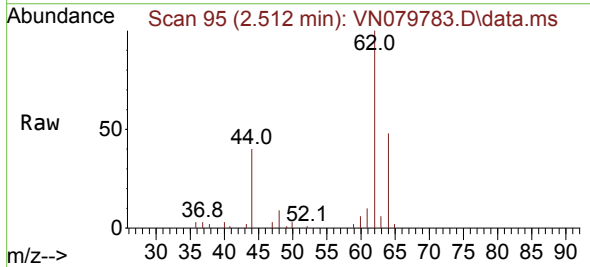
Instrument : MSVOA\_N  
ClientSampleId : LOQ-WATER-02-QT4-2023

Tgt Ion: 50 Resp: 24404  
Ion Ratio Lower Upper  
50 100  
52 33.3 26.5 39.7



#4  
Vinyl Chloride  
Concen: 5.299 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 62 Resp: 23586  
Ion Ratio Lower Upper  
62 100  
64 35.8 26.2 39.2

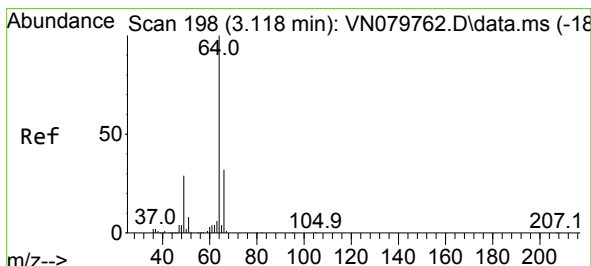
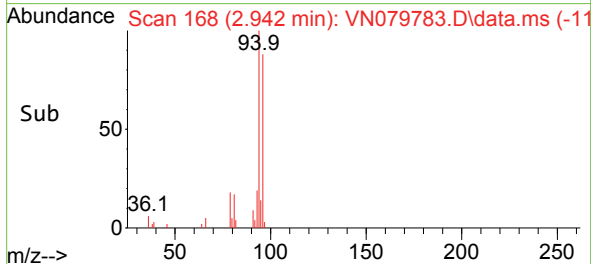
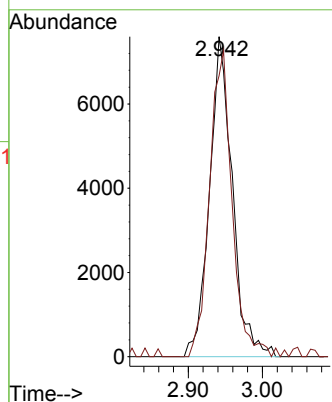
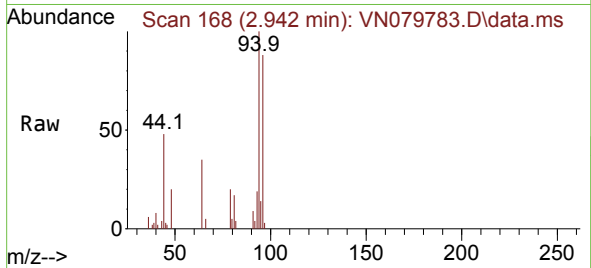




#5  
Bromomethane  
Concen: 6.016 ug/l  
RT: 2.942 min Scan# 168  
Delta R.T. -0.012 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

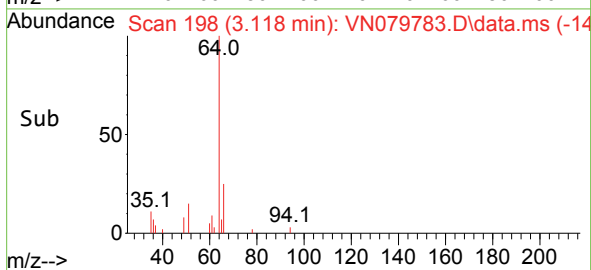
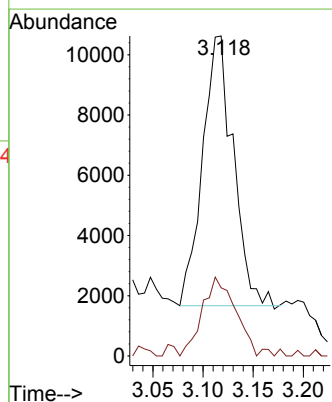
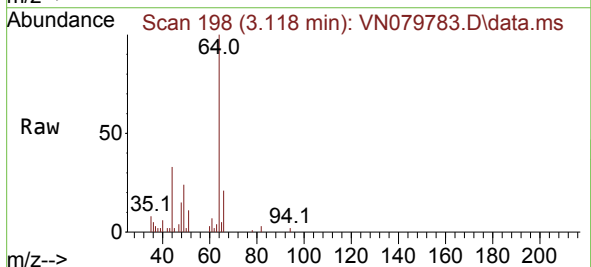
Instrument : MSVOA\_N  
ClientSampleId : LOQ-WATER-02-QT4-2023

Tgt Ion: 94 Resp: 16271  
Ion Ratio Lower Upper  
94 100  
96 87.8 73.1 109.7



#6  
Chloroethane  
Concen: 5.425 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 64 Resp: 19078  
Ion Ratio Lower Upper  
64 100  
66 25.2 25.4 38.2#

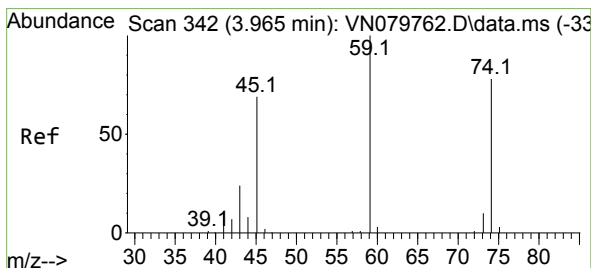
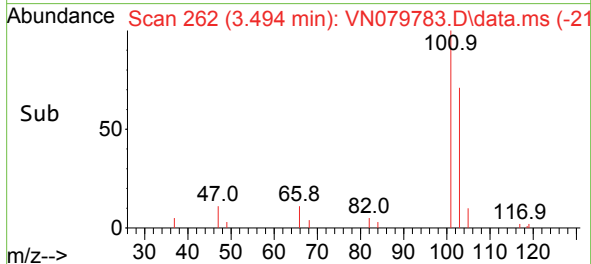
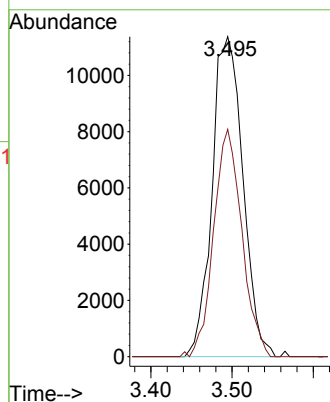
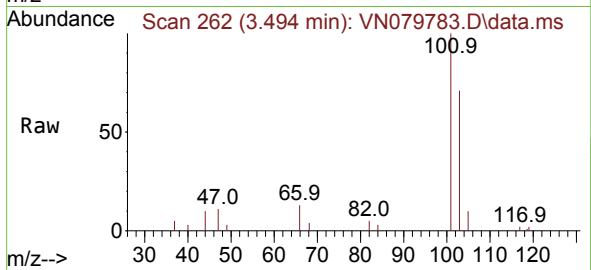




#7  
 Trichlorofluoromethane  
 Concen: 5.413 ug/l  
 RT: 3.494 min Scan# 262  
 Delta R.T. 0.000 min  
 Lab File: VN079783.D  
 Acq: 01 Nov 2023 19:54

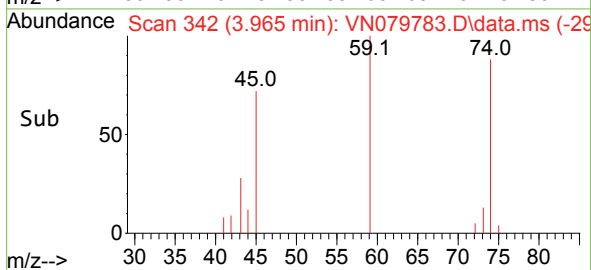
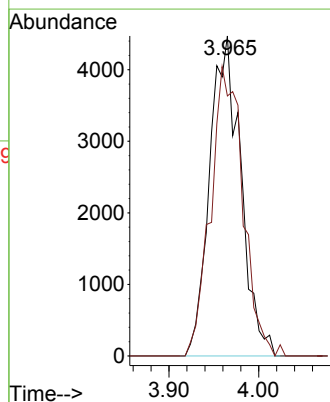
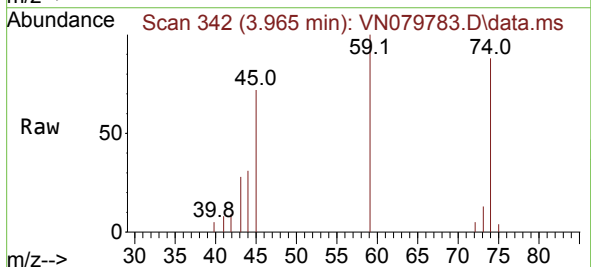
Instrument : MSVOA\_N  
 ClientSampleId : LOQ-WATER-02-QT4-2023

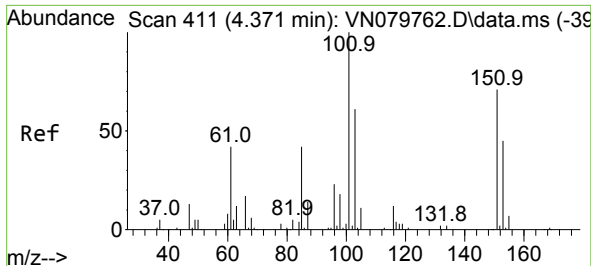
Tgt Ion:101 Resp: 29969  
 Ion Ratio Lower Upper  
 101 100  
 103 71.0 50.7 76.1



#8  
 Diethyl Ether  
 Concen: 5.100 ug/l  
 RT: 3.965 min Scan# 342  
 Delta R.T. 0.000 min  
 Lab File: VN079783.D  
 Acq: 01 Nov 2023 19:54

Tgt Ion: 74 Resp: 10715  
 Ion Ratio Lower Upper  
 74 100  
 45 94.5 34.4 103.3

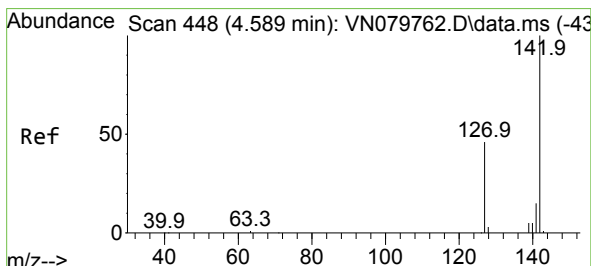
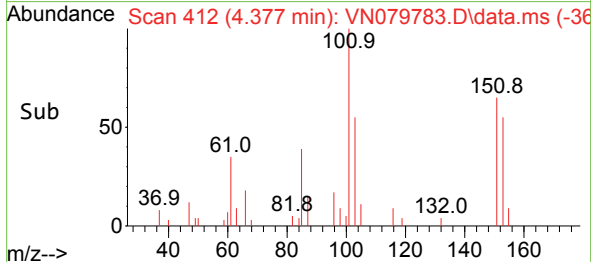
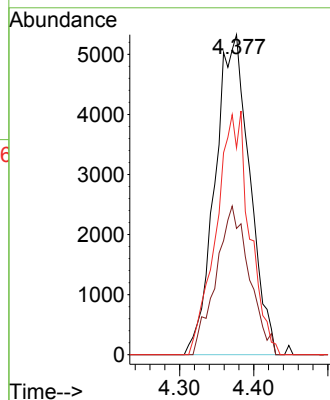
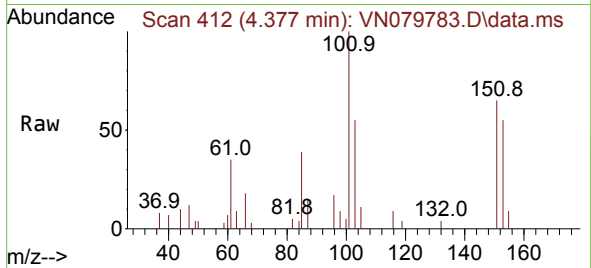




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 5.386 ug/l  
RT: 4.377 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

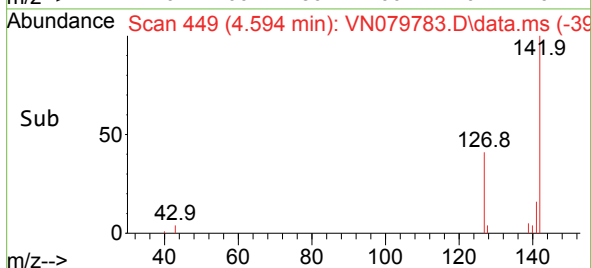
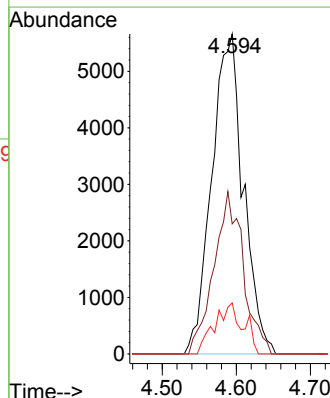
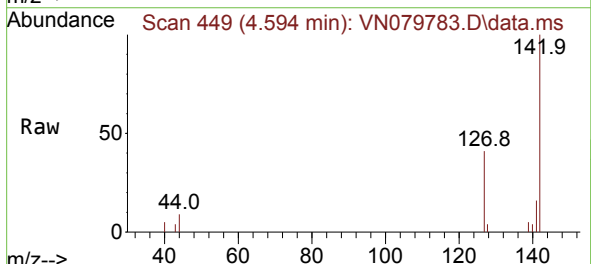
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

Tgt Ion:101 Resp: 17286  
Ion Ratio Lower Upper  
101 100  
85 44.8 36.6 55.0  
151 73.2 57.6 86.4



#10  
Methyl Iodide  
Concen: 4.565 ug/l  
RT: 4.594 min Scan# 449  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion:142 Resp: 16730  
Ion Ratio Lower Upper  
142 100  
127 40.6 37.6 56.4  
141 15.9 11.4 17.0

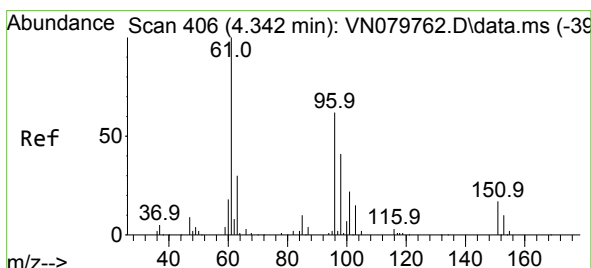
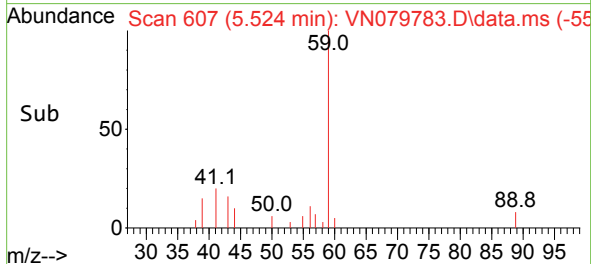
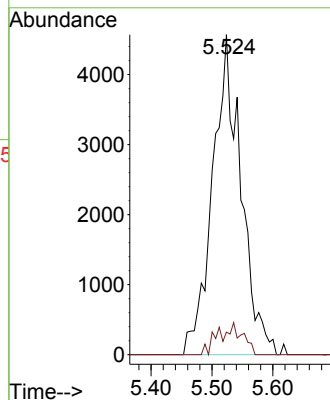
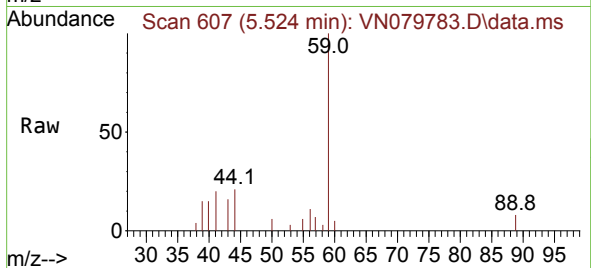




#11  
Tert butyl alcohol  
Concen: 26.921 ug/l  
RT: 5.524 min Scan# 607  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

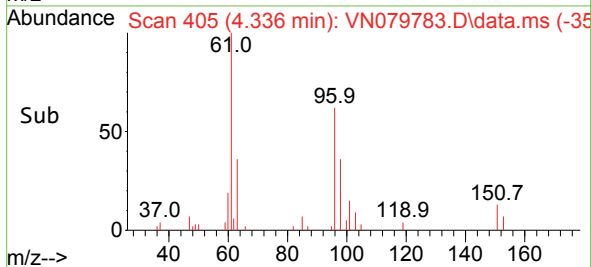
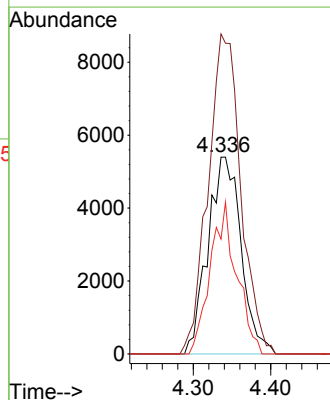
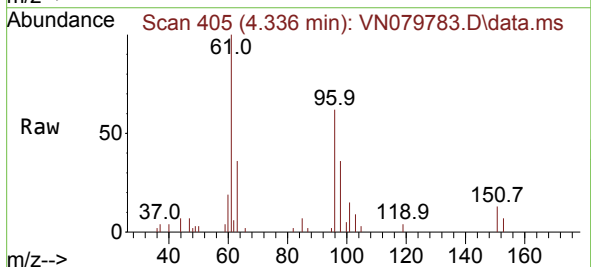
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

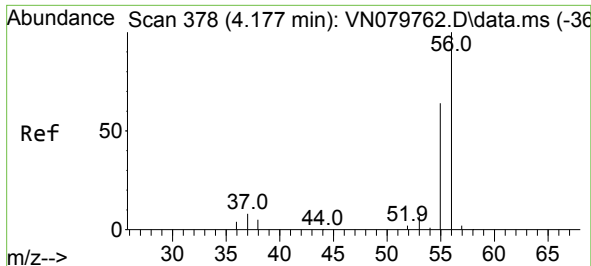
Tgt Ion: 59 Resp: 14780  
Ion Ratio Lower Upper  
59 100  
57 5.3 8.2 12.4#



#12  
1,1-Dichloroethene  
Concen: 5.289 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. -0.012 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 96 Resp: 16072  
Ion Ratio Lower Upper  
96 100  
61 162.6 112.7 169.1  
98 58.4 51.2 76.8





#13

Acrolein

Concen: 27.626 ug/l

RT: 4.189 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

Instrument :

MSVOA\_N

ClientSampleId :

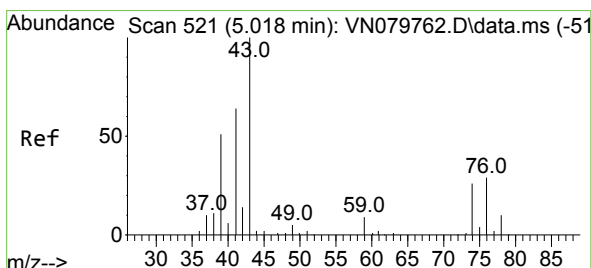
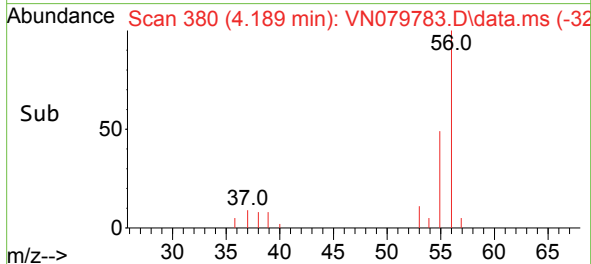
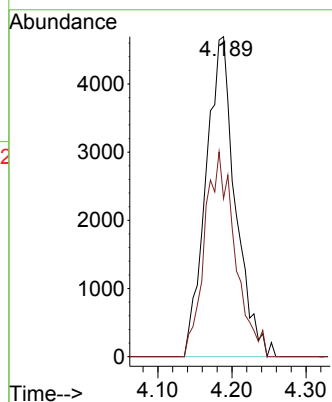
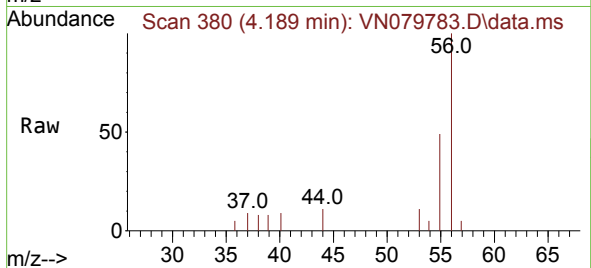
LOQ-WATER-02-QT4-2023

Tgt Ion: 56 Resp: 12977

Ion Ratio Lower Upper

56 100

55 65.7 54.5 81.7



#14

Allyl chloride

Concen: 5.493 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.006 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

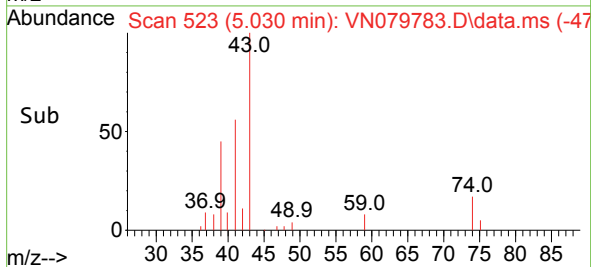
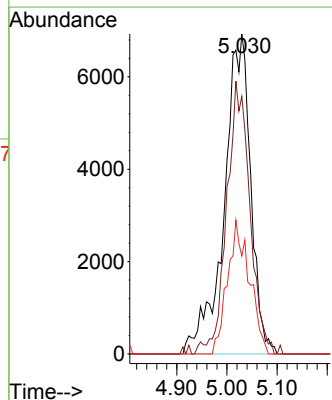
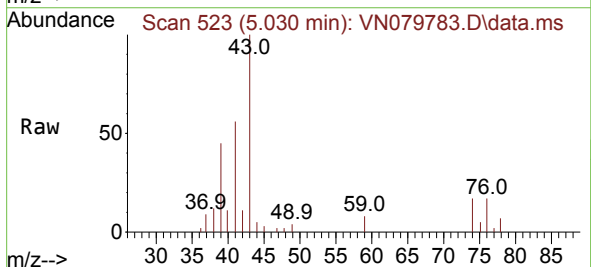
Tgt Ion: 41 Resp: 25566

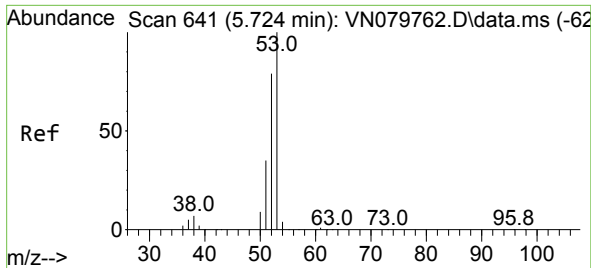
Ion Ratio Lower Upper

41 100

39 74.1 58.8 88.2

76 34.3 39.1 58.7#

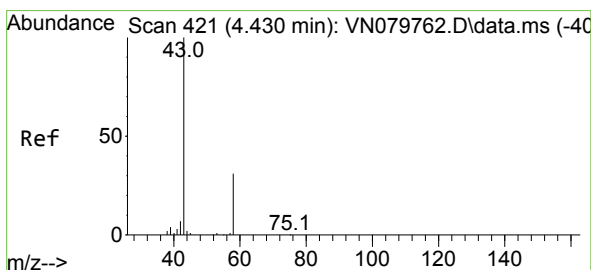
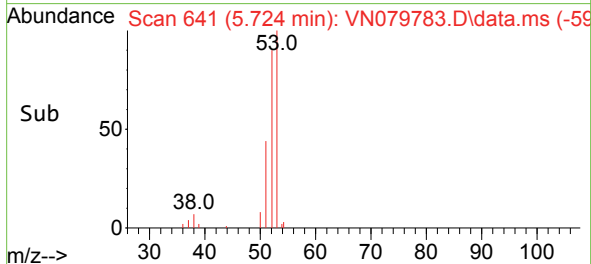
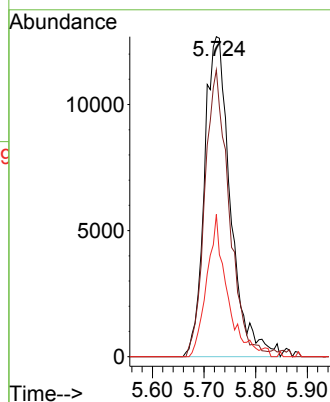
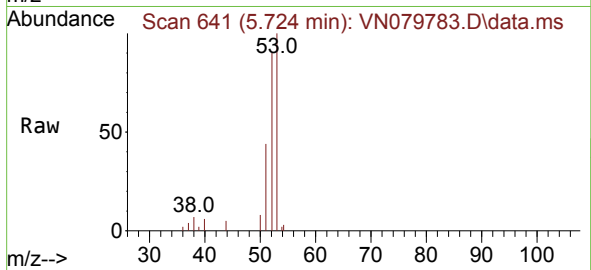




#15  
Acrylonitrile  
Concen: 25.932 ug/l  
RT: 5.724 min Scan# 641  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

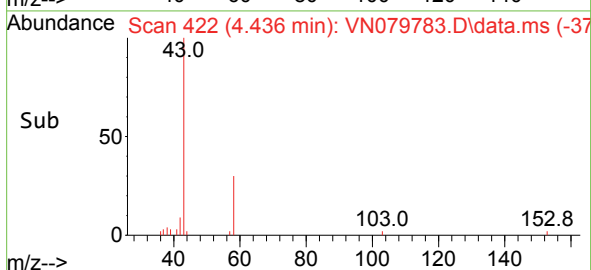
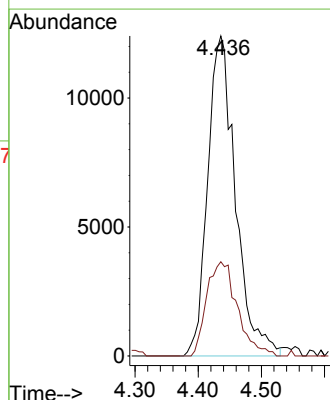
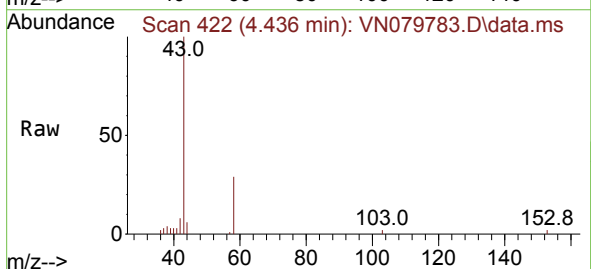
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 44368 |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 83.7     | 65.3 97.9   |
| 51 34.5     | 28.9 43.3   |



#16  
Acetone  
Concen: 25.106 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 37928 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 29.5     | 28.0 42.0   |

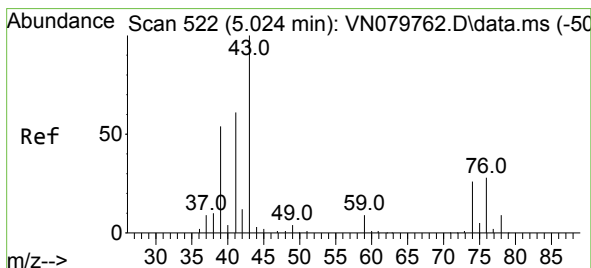
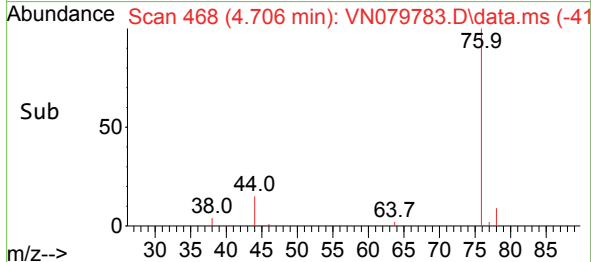
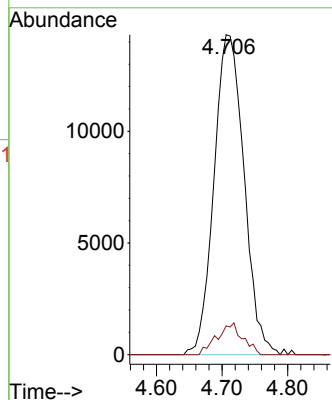
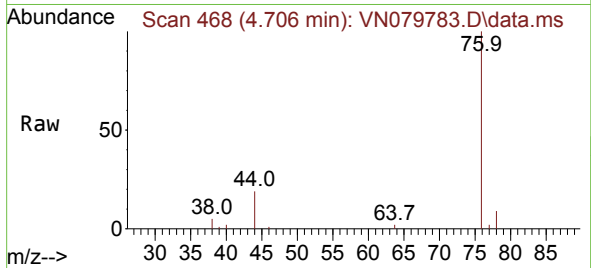




#17  
Carbon Disulfide  
Concen: 5.190 ug/l  
RT: 4.706 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

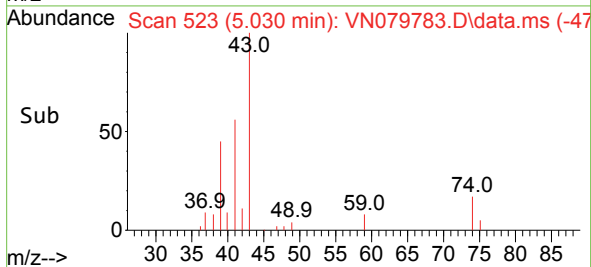
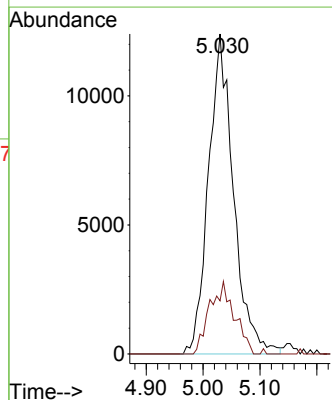
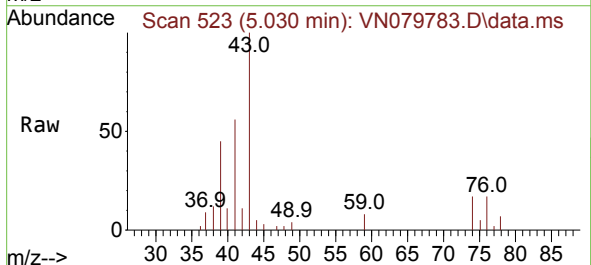
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

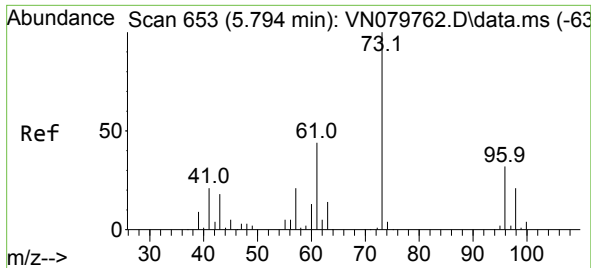
Tgt Ion: 76 Resp: 45487  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.0



#18  
Methyl Acetate  
Concen: 5.238 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 43 Resp: 37861  
Ion Ratio Lower Upper  
43 100  
74 22.4 26.2 39.4#

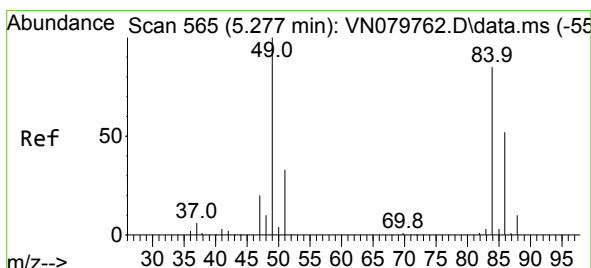
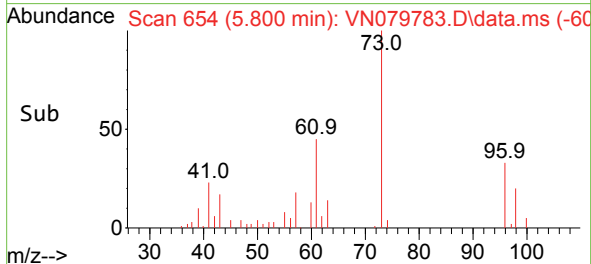
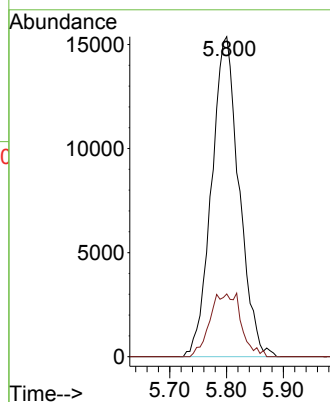
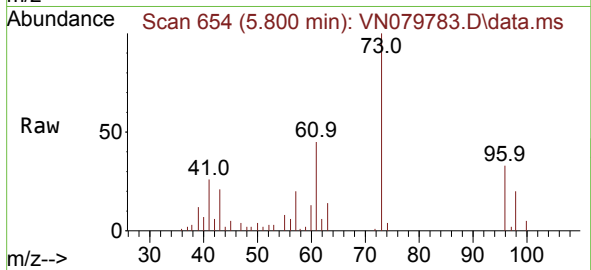




#19  
Methyl tert-butyl Ether  
Concen: 4.940 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

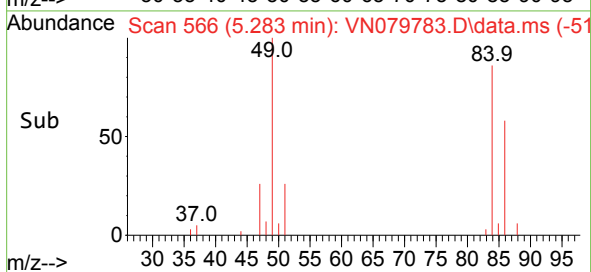
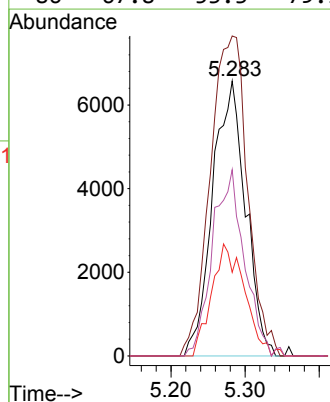
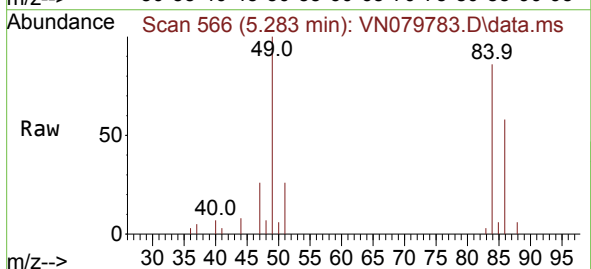
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

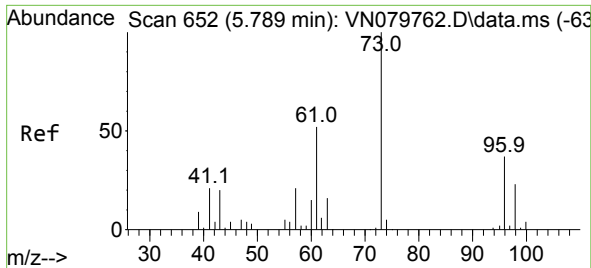
Tgt Ion: 73 Resp: 51677  
Ion Ratio Lower Upper  
73 100  
57 19.6 15.6 23.4



#20  
Methylene Chloride  
Concen: 5.334 ug/l  
RT: 5.283 min Scan# 566  
Delta R.T. 0.012 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 84 Resp: 20334  
Ion Ratio Lower Upper  
84 100  
49 116.4 79.7 119.5  
51 30.4 25.2 37.8  
86 67.8 53.3 79.9

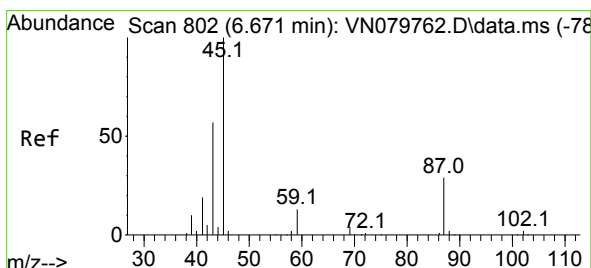
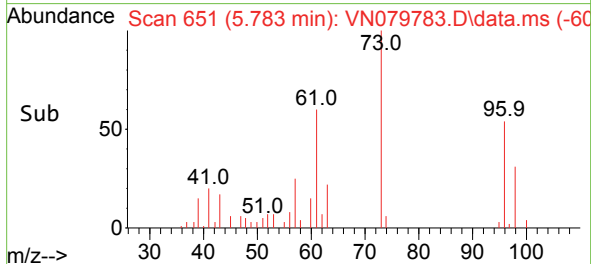
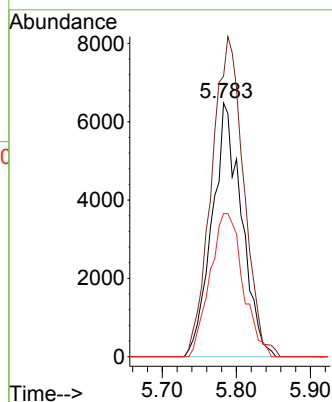
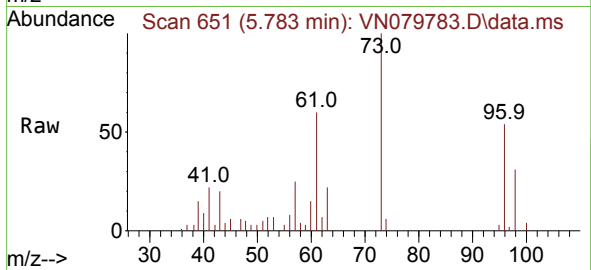




#21  
trans-1,2-Dichloroethene  
Concen: 5.263 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

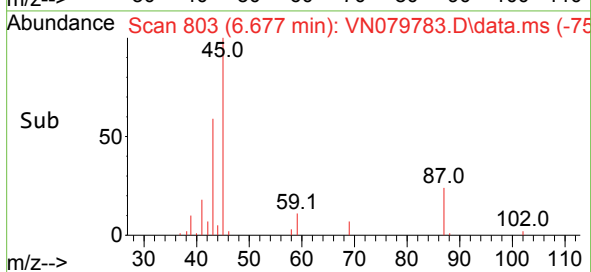
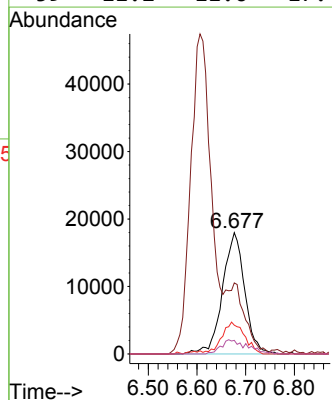
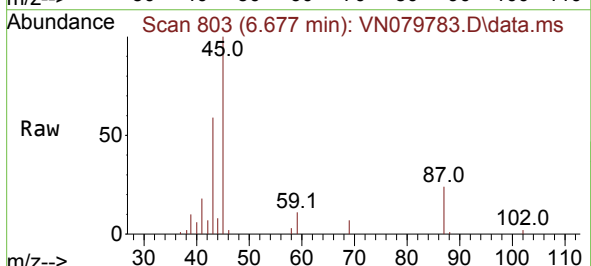
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

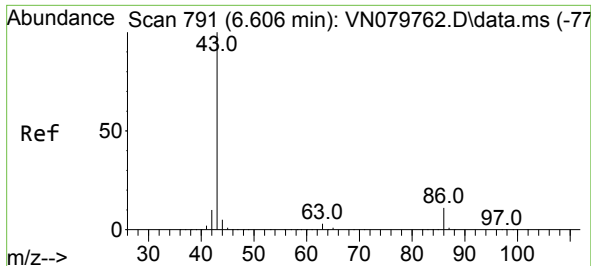
Tgt Ion: 96 Resp: 17837  
Ion Ratio Lower Upper  
96 100  
61 110.6 90.1 135.1  
98 56.4 46.4 69.6



#22  
Diisopropyl ether  
Concen: 5.278 ug/l  
RT: 6.677 min Scan# 803  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 45 Resp: 56920  
Ion Ratio Lower Upper  
45 100  
43 56.0 45.5 68.3  
87 23.7 31.8 47.8#  
59 11.2 11.6 17.4#

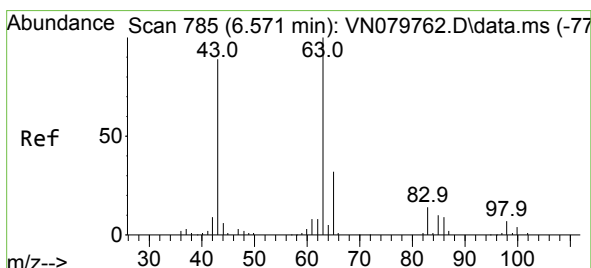
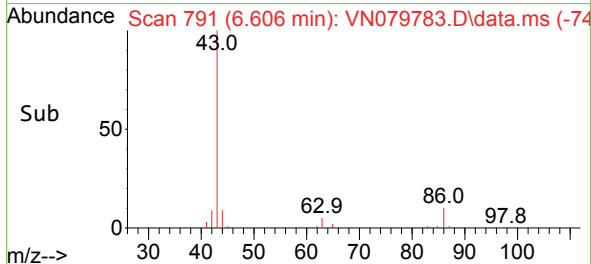
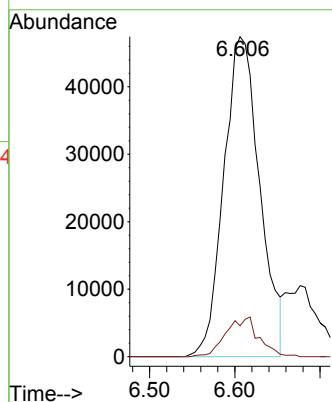
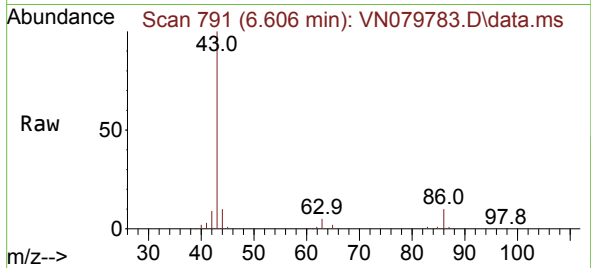




#23  
 Vinyl Acetate  
 Concen: 23.405 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.000 min  
 Lab File: VN079783.D  
 Acq: 01 Nov 2023 19:54

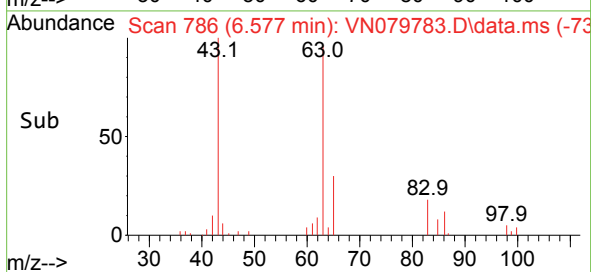
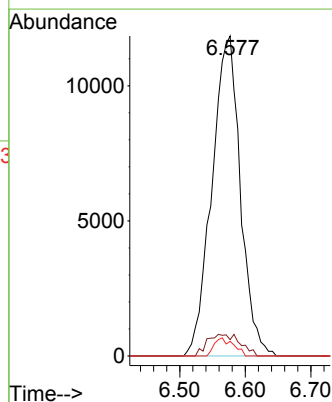
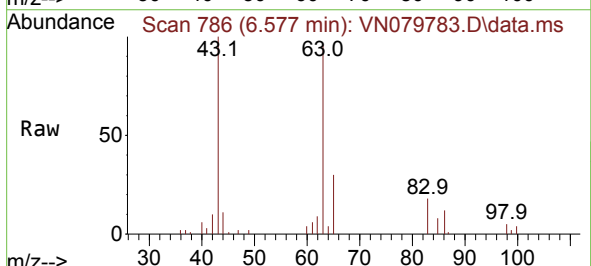
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2023

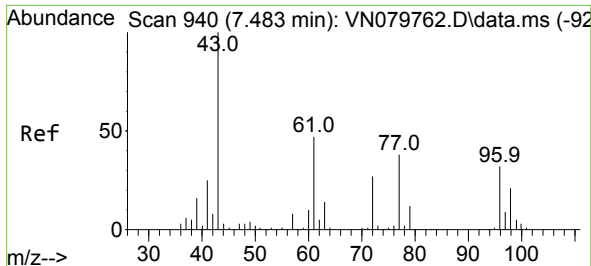
Tgt Ion: 43 Resp: 139240  
 Ion Ratio Lower Upper  
 43 100  
 86 9.7 13.0 19.6#



#24  
 1,1-Dichloroethane  
 Concen: 5.449 ug/l  
 RT: 6.577 min Scan# 786  
 Delta R.T. 0.006 min  
 Lab File: VN079783.D  
 Acq: 01 Nov 2023 19:54

Tgt Ion: 63 Resp: 35721  
 Ion Ratio Lower Upper  
 63 100  
 98 5.1 3.9 11.7  
 100 4.5 2.5 7.4

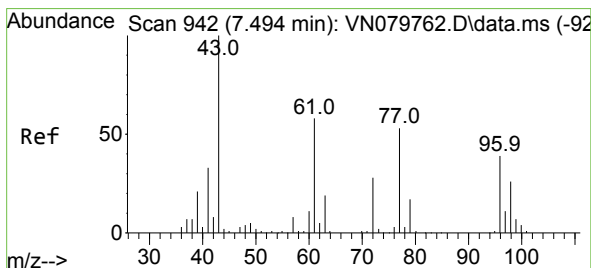
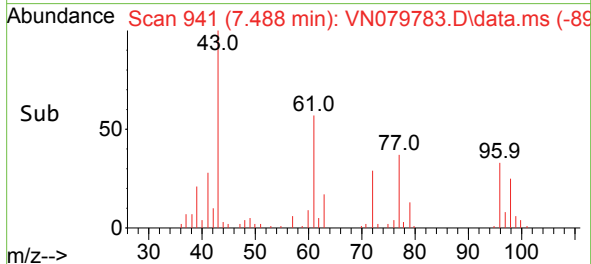
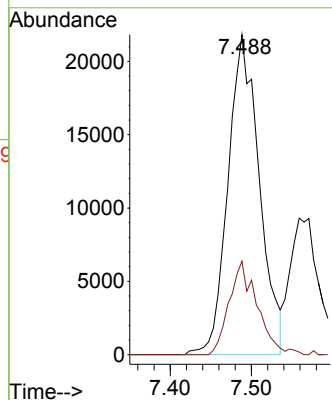
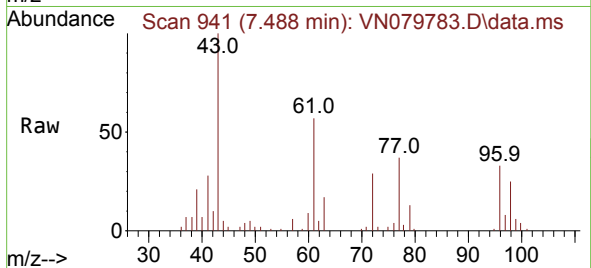




#25  
2-Butanone  
Concen: 26.432 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

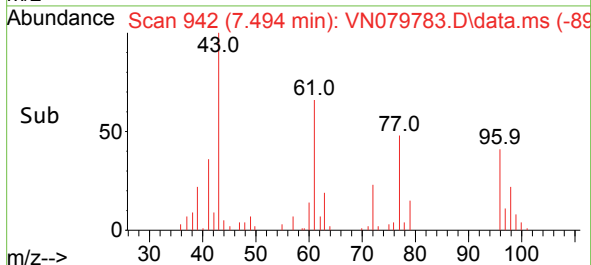
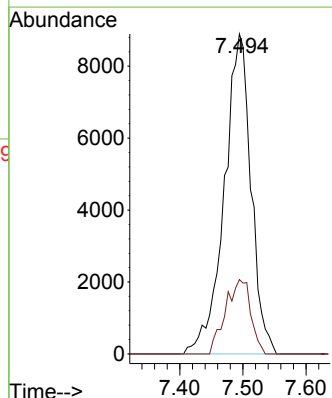
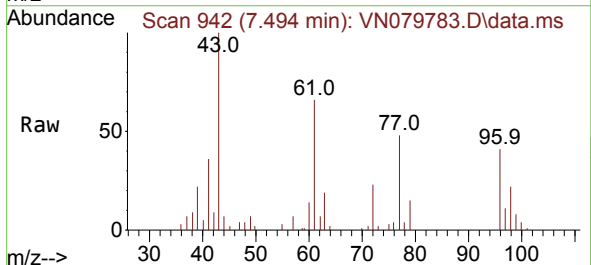
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

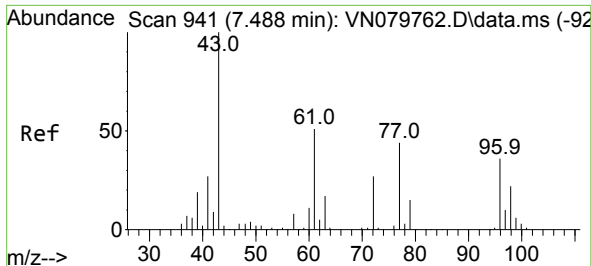
Tgt Ion: 43 Resp: 58475  
Ion Ratio Lower Upper  
43 100  
72 29.2 30.2 45.2#



#26  
2,2-Dichloropropane  
Concen: 4.828 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 77 Resp: 26175  
Ion Ratio Lower Upper  
77 100  
97 21.9 11.2 33.6

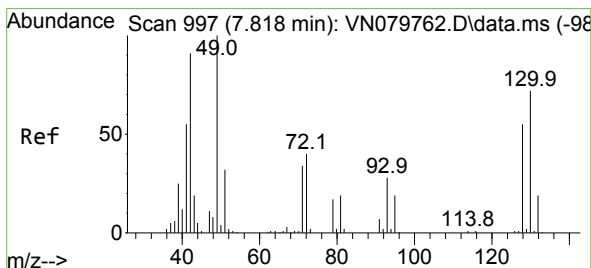
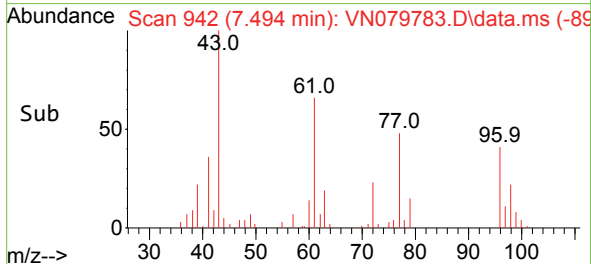
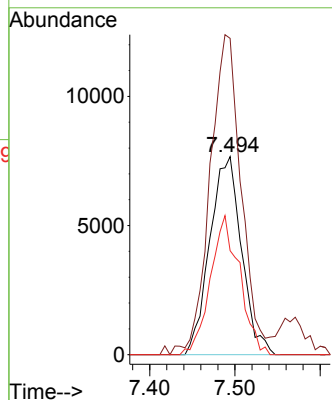
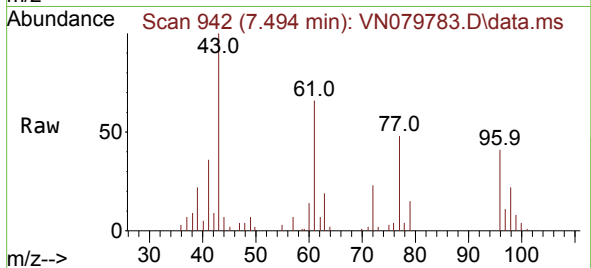




#27  
 cis-1,2-Dichloroethene  
 Concen: 4.891 ug/l  
 RT: 7.494 min Scan# 941  
 Delta R.T. 0.006 min  
 Lab File: VN079783.D  
 Acq: 01 Nov 2023 19:54

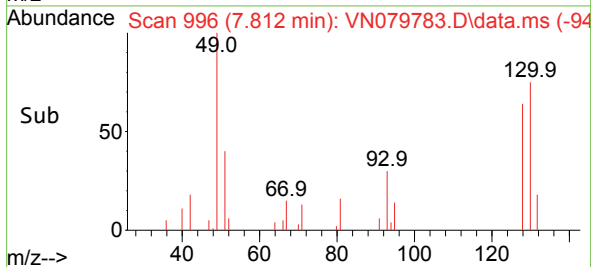
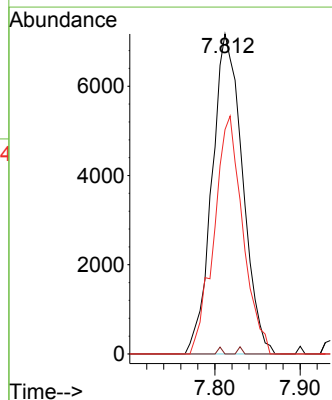
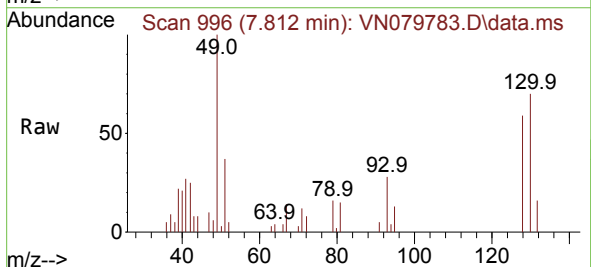
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2023

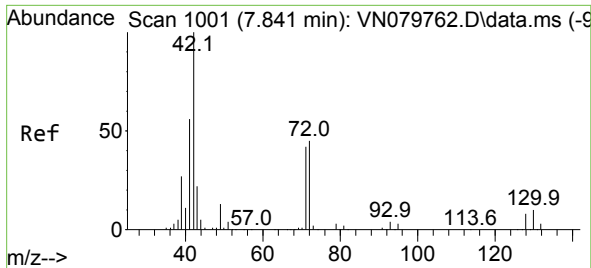
Tgt Ion: 96 Resp: 19828  
 Ion Ratio Lower Upper  
 96 100  
 61 158.3 0.0 255.2  
 98 64.8 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 5.582 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.000 min  
 Lab File: VN079783.D  
 Acq: 01 Nov 2023 19:54

Tgt Ion: 49 Resp: 17834  
 Ion Ratio Lower Upper  
 49 100  
 129 0.3 0.0 4.8  
 130 70.1 75.3 112.9#

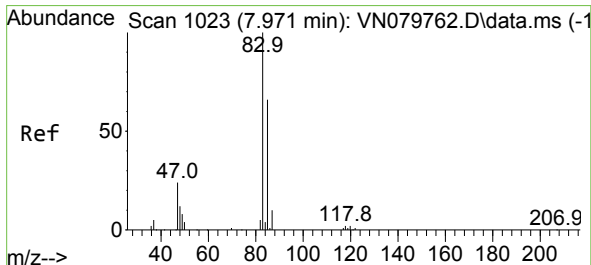
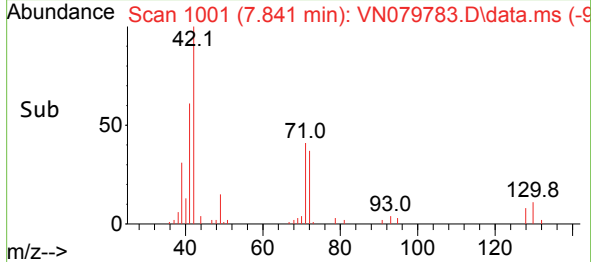
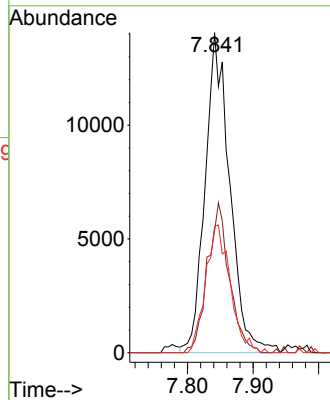
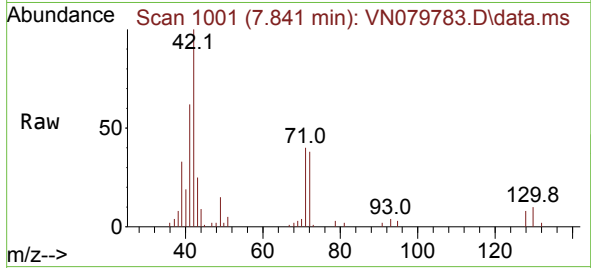




#29  
Tetrahydrofuran  
Concen: 25.527 ug/l  
RT: 7.841 min Scan# 1001  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

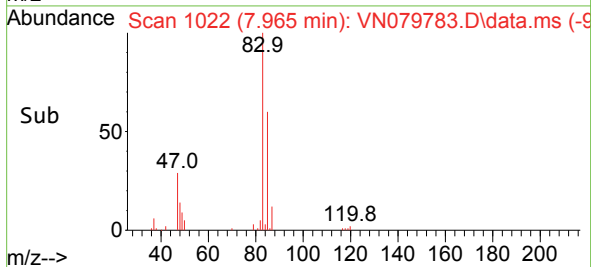
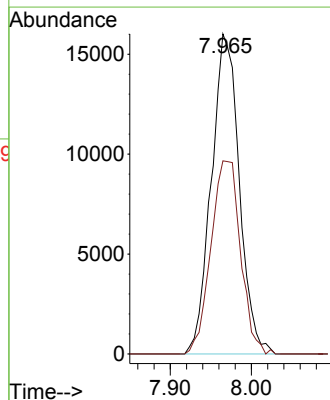
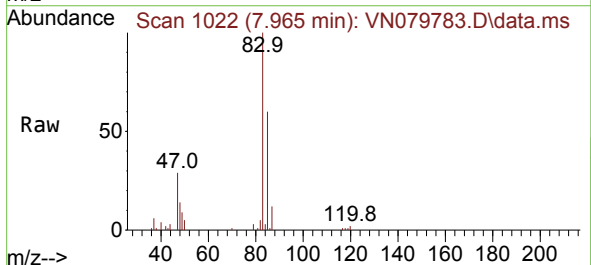
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

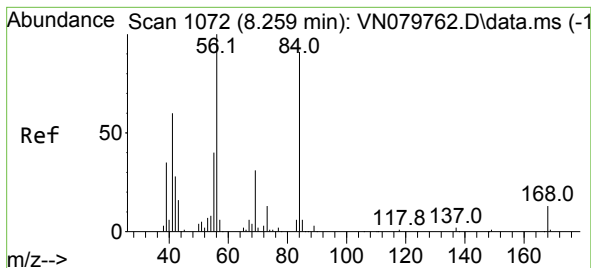
Tgt Ion: 42 Resp: 36741  
Ion Ratio Lower Upper  
42 100  
72 41.8 49.8 74.6#  
71 40.0 47.4 71.2#



#30  
Chloroform  
Concen: 5.381 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. -0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 83 Resp: 38317  
Ion Ratio Lower Upper  
83 100  
85 60.3 55.4 83.0





#31

Cyclohexane

Concen: 6.076 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2023

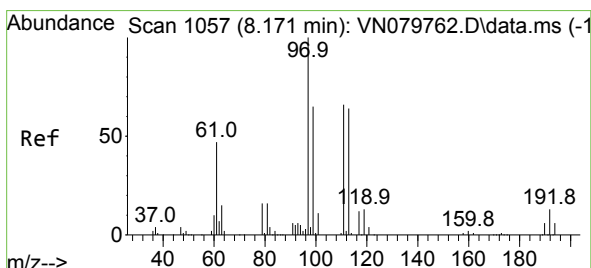
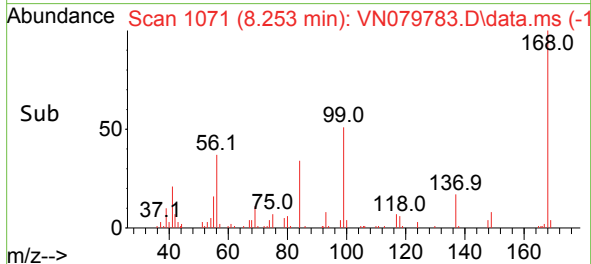
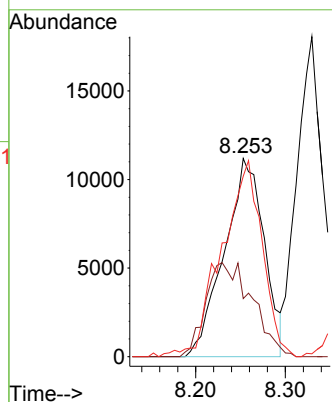
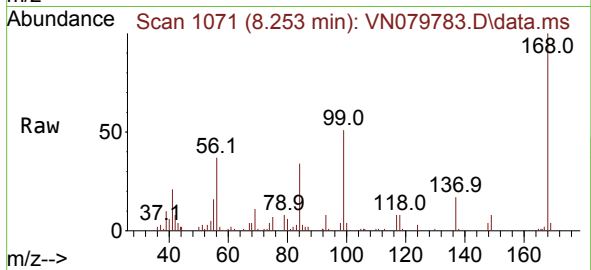
Tgt Ion: 56 Resp: 34530

Ion Ratio Lower Upper

56 100

69 29.3 26.8 40.2

84 88.7 81.8 122.6



#32

1,1,1-Trichloroethane

Concen: 5.515 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

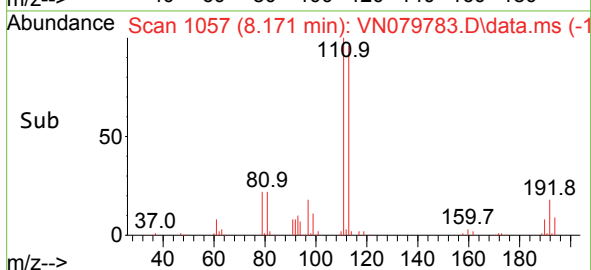
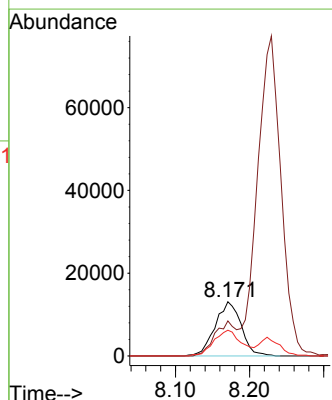
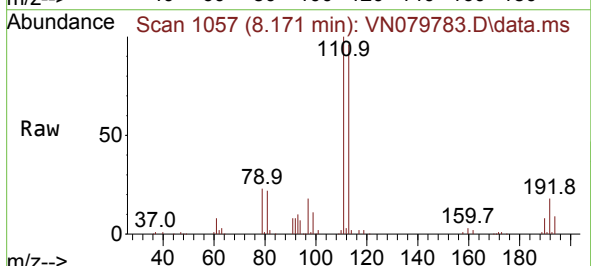
Tgt Ion: 97 Resp: 31999

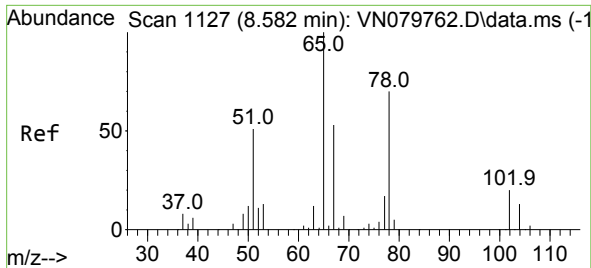
Ion Ratio Lower Upper

97 100

99 51.5 50.3 75.5

61 50.7 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 52.584 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

Instrument :

MSVOA\_N

ClientSampleId :

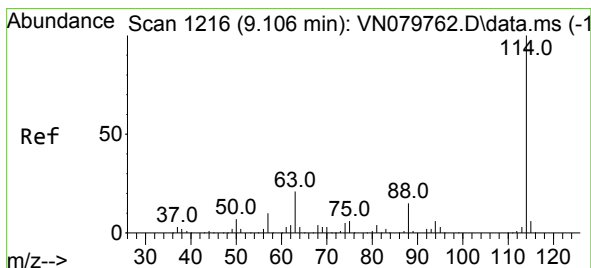
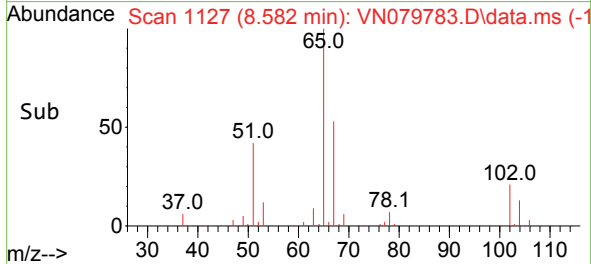
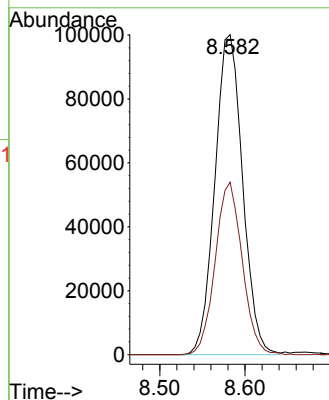
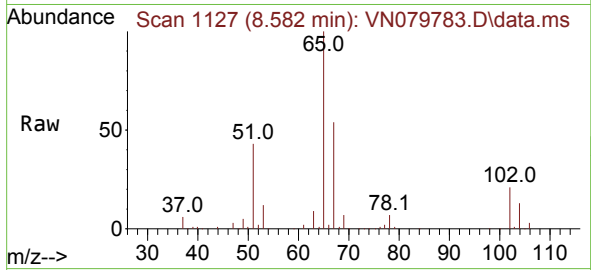
LOQ-WATER-02-QT4-2023

Tgt Ion: 65 Resp: 226157

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

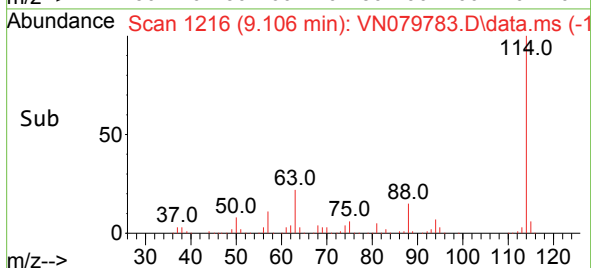
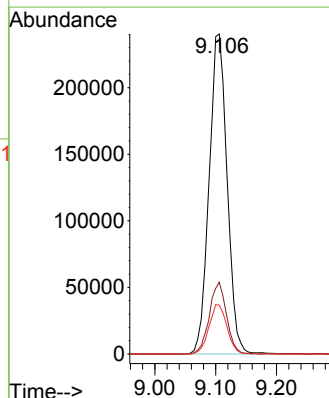
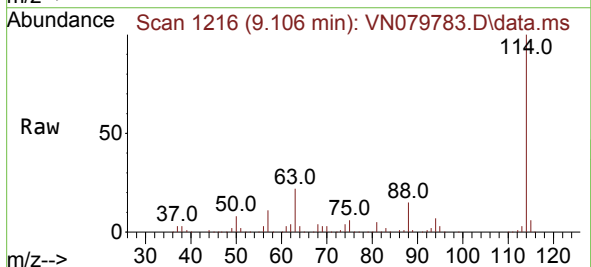
Tgt Ion: 114 Resp: 493377

Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.4

88 15.3 0.0 30.6

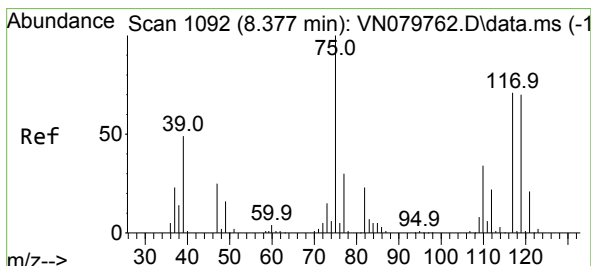
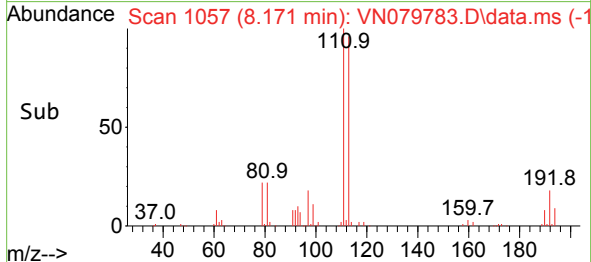
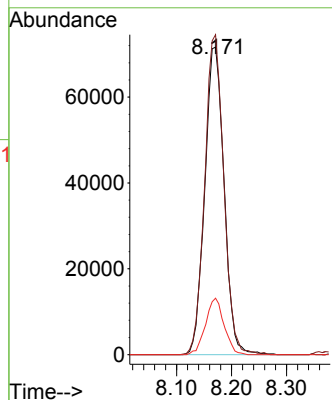
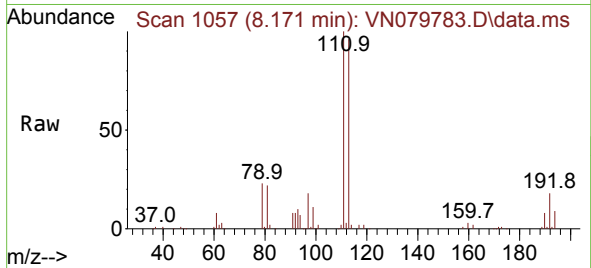




#35  
Dibromofluoromethane  
Concen: 50.160 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

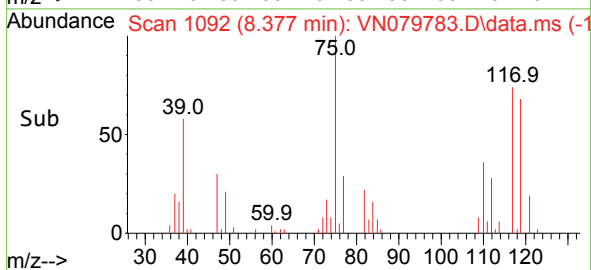
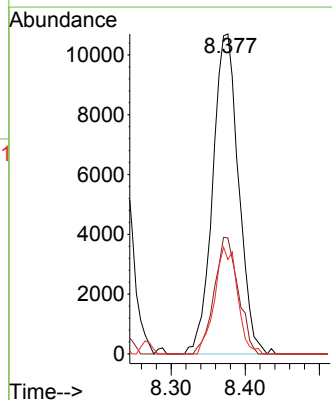
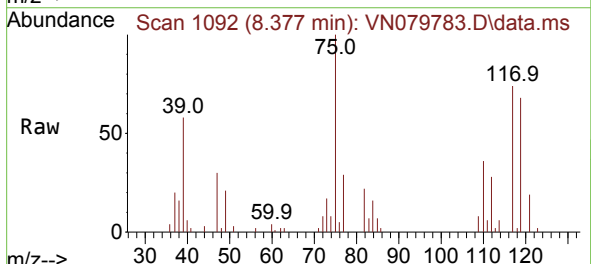
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

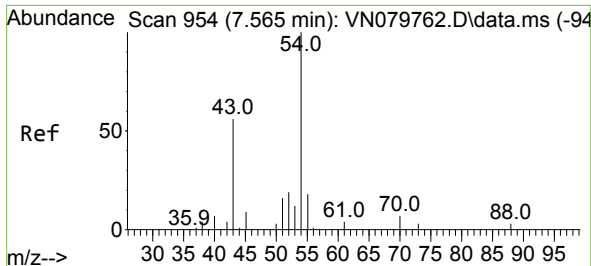
Tgt Ion:113 Resp: 175154  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.6 123.8  
192 17.6 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 5.210 ug/l  
RT: 8.377 min Scan# 1092  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 75 Resp: 25978  
Ion Ratio Lower Upper  
75 100  
110 33.8 19.1 57.3  
77 29.5 25.0 37.4

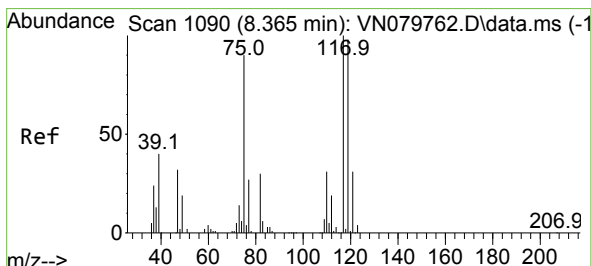
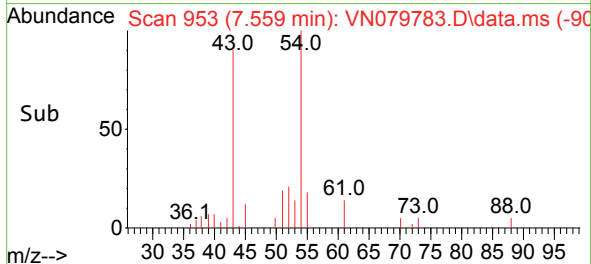
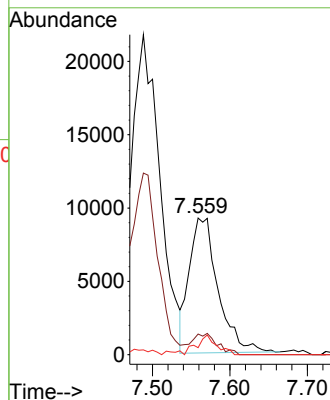
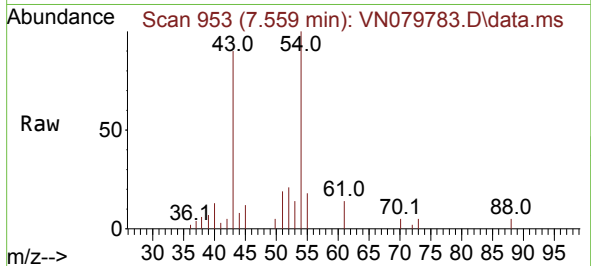




#37  
Ethyl Acetate  
Concen: 5.204 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

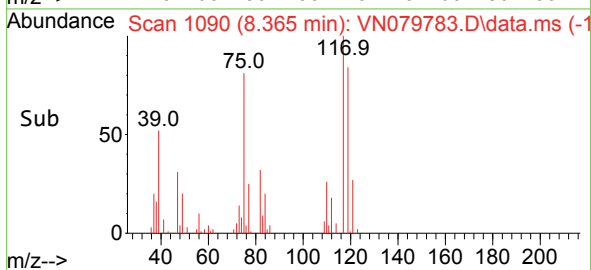
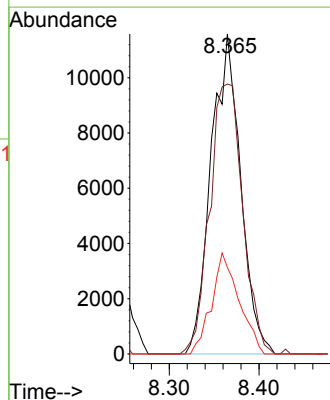
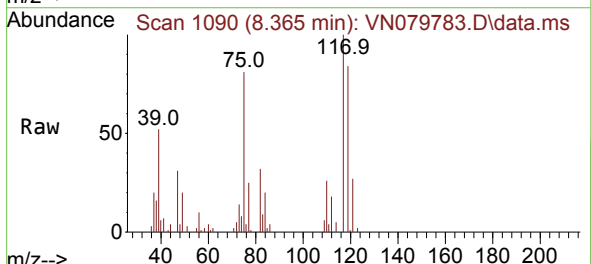
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

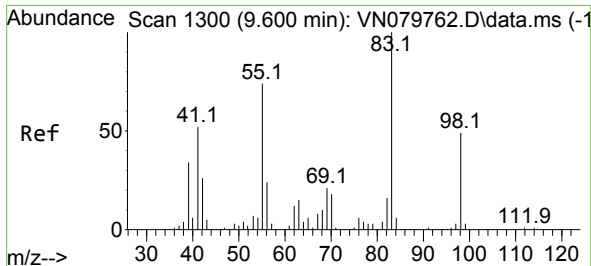
Tgt Ion: 43 Resp: 23794  
Ion Ratio Lower Upper  
43 100  
61 13.6 13.2 19.8  
70 10.3 11.3 16.9#



#38  
Carbon Tetrachloride  
Concen: 5.277 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 117 Resp: 26517  
Ion Ratio Lower Upper  
117 100  
119 84.4 77.3 115.9  
121 27.0 23.3 34.9





#39

Methylcyclohexane

Concen: 4.814 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2023

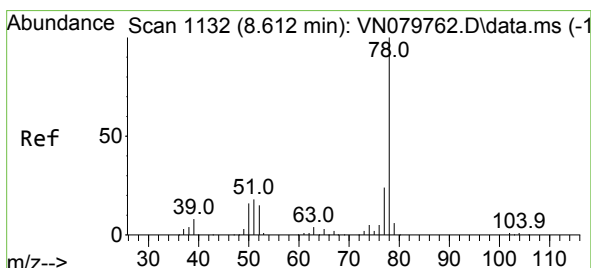
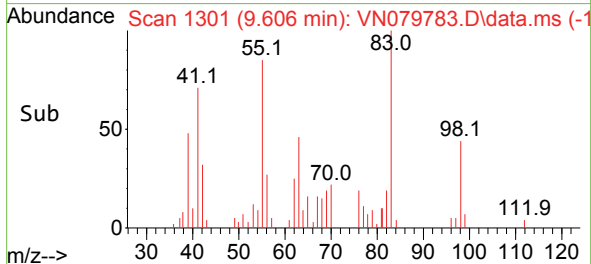
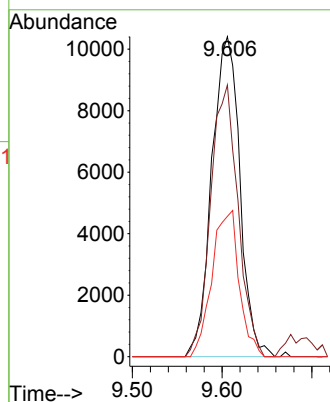
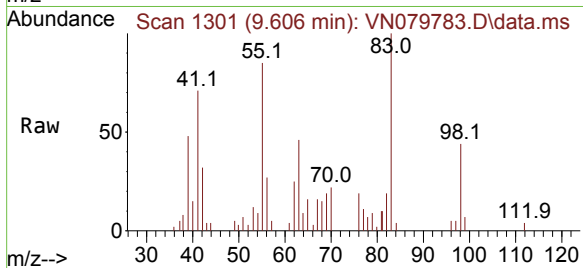
Tgt Ion: 83 Resp: 22589

Ion Ratio Lower Upper

83 100

55 84.9 49.1 73.7#

98 43.8 40.6 61.0



#40

Benzene

Concen: 5.269 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VN079783.D

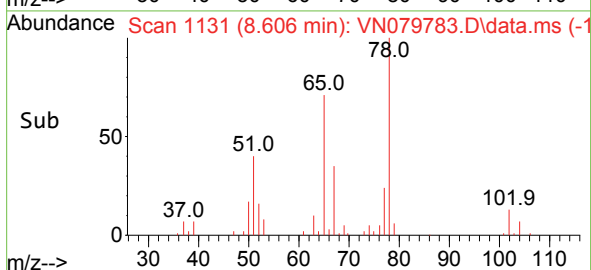
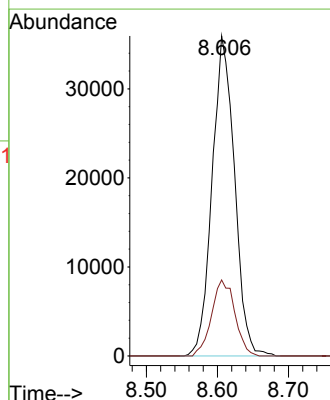
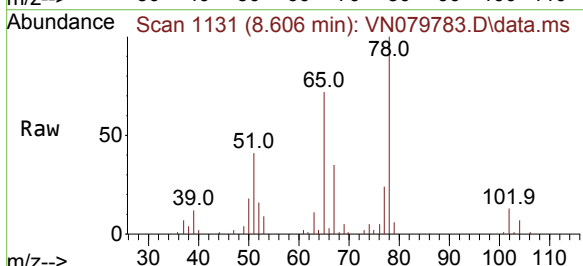
Acq: 01 Nov 2023 19:54

Tgt Ion: 78 Resp: 78691

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

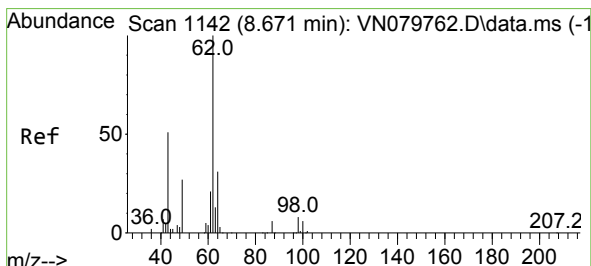
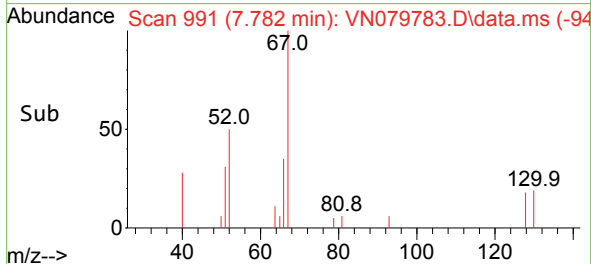
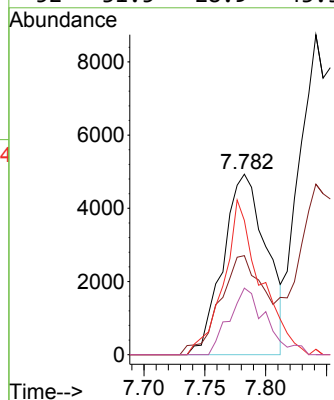
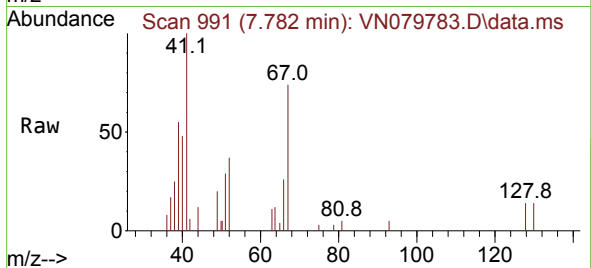




#41  
Methacrylonitrile  
Concen: 5.041 ug/l  
RT: 7.782 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

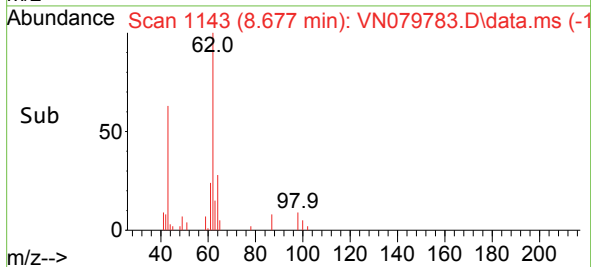
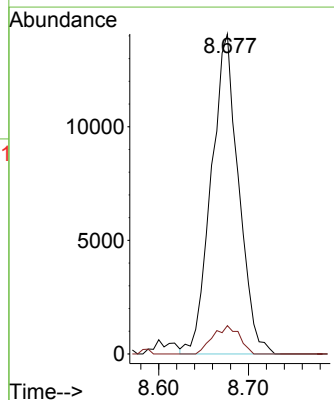
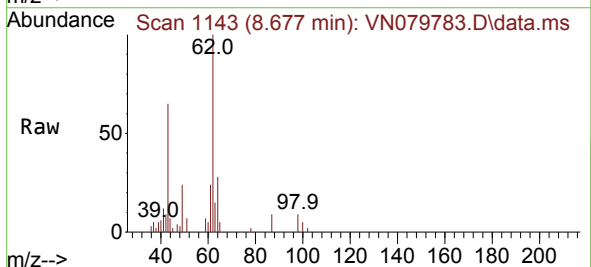
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

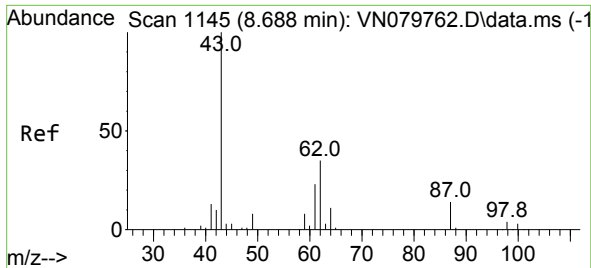
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 12241 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 55.1  | 42.6  | 64.0  |
| 67       | 72.6  | 77.5  | 116.3 |
| 52       | 31.5  | 28.9  | 43.3  |



#42  
1,2-Dichloroethane  
Concen: 5.707 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 29772 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.6   | 0.0   | 19.8  |

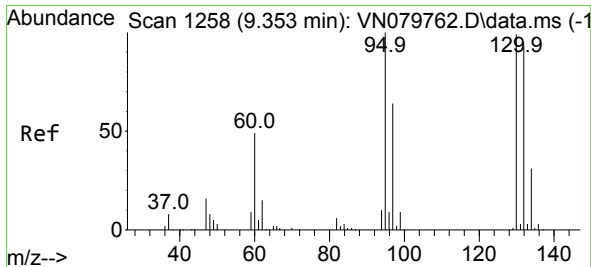
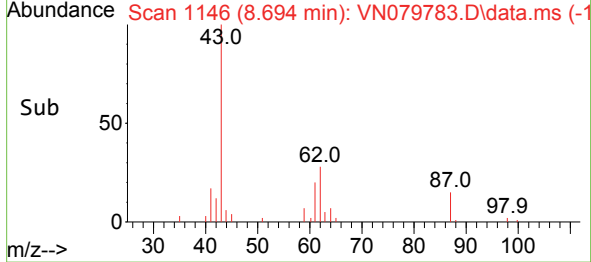
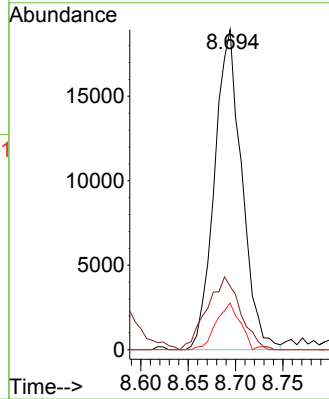
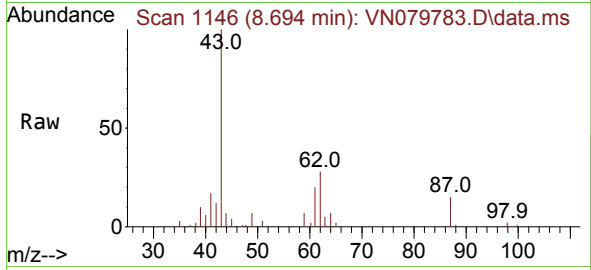




#43  
Isopropyl Acetate  
Concen: 4.748 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

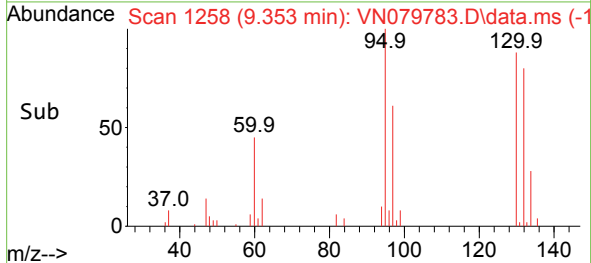
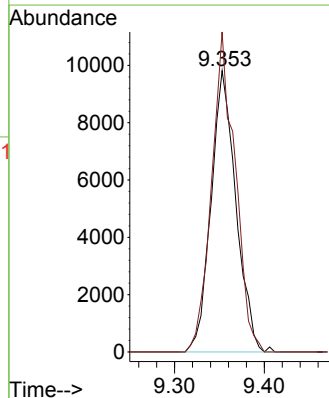
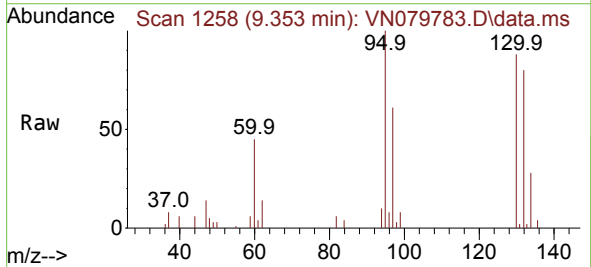
Instrument : MSVOA\_N  
ClientSampleId : LOQ-WATER-02-QT4-2023

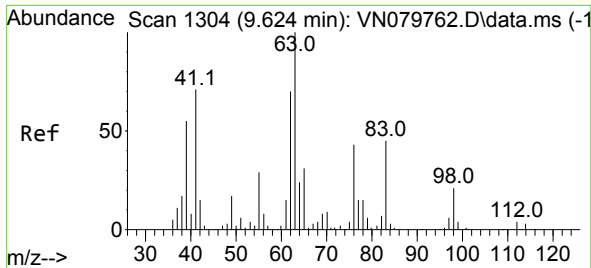
Tgt Ion: 43 Resp: 38072  
Ion Ratio Lower Upper  
43 100  
61 27.8 24.7 37.1  
87 13.0 14.6 21.8#



#44  
Trichloroethene  
Concen: 5.111 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion:130 Resp: 18941  
Ion Ratio Lower Upper  
130 100  
95 113.8 0.0 204.6

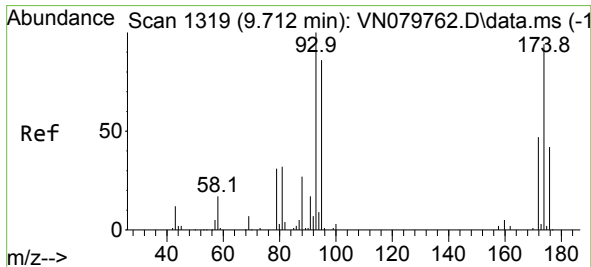
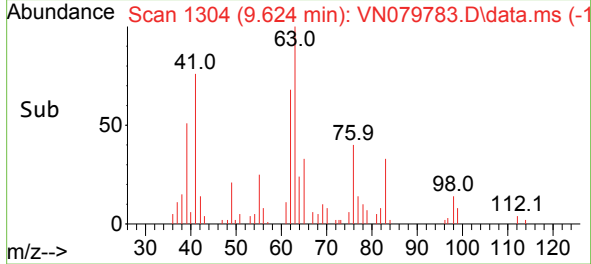
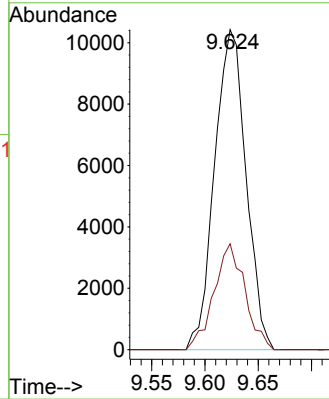
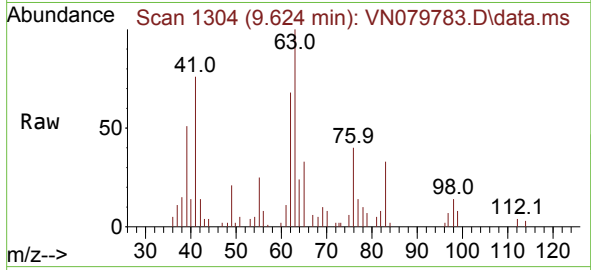




#45  
1,2-Dichloropropane  
Concen: 5.610 ug/l  
RT: 9.624 min Scan# 1304  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

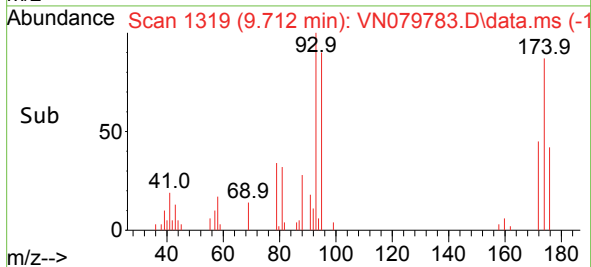
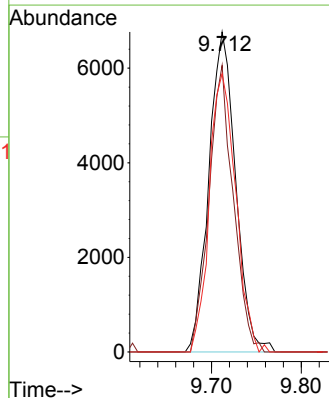
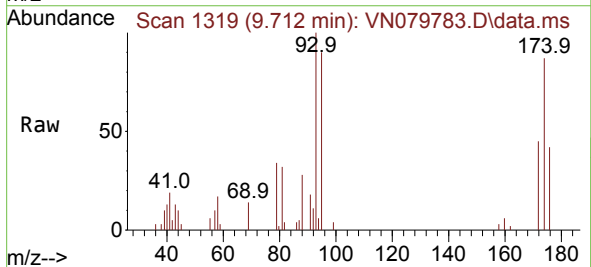
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

Tgt Ion: 63 Resp: 21410  
Ion Ratio Lower Upper  
63 100  
65 33.1 23.9 35.9



#46  
Dibromomethane  
Concen: 5.399 ug/l  
RT: 9.712 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 93 Resp: 14070  
Ion Ratio Lower Upper  
93 100  
95 81.0 63.8 95.8  
174 85.6 65.6 98.4

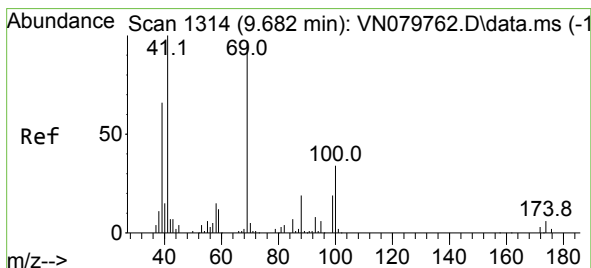
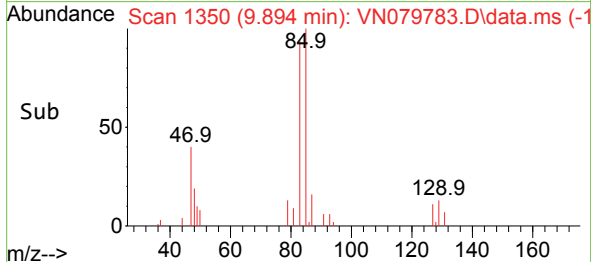
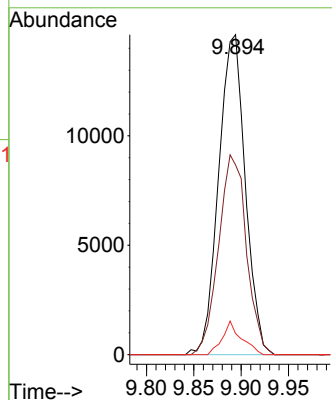
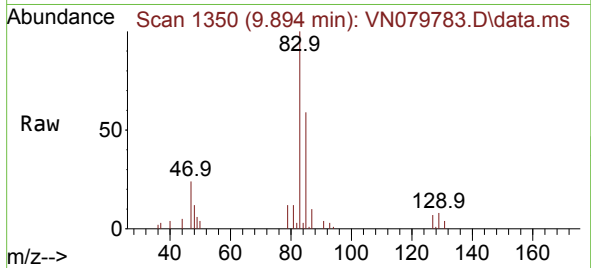




#47  
Bromodichloromethane  
Concen: 5.151 ug/l  
RT: 9.894 min Scan# 1350  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

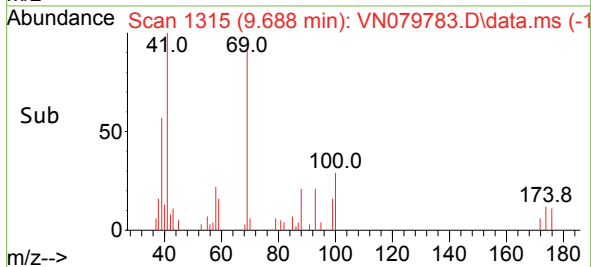
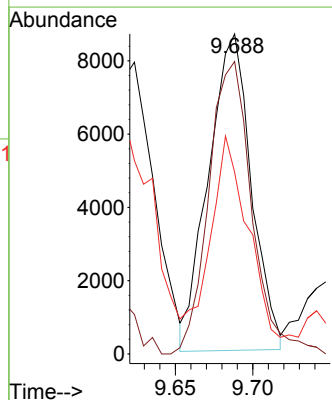
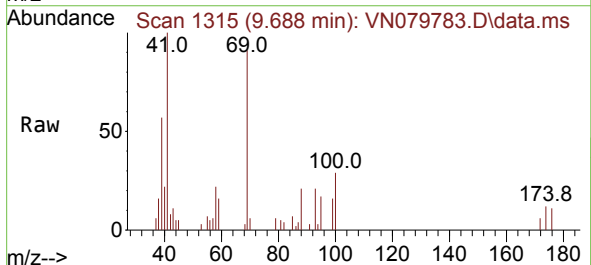
Instrument : MSVOA\_N  
ClientSampleId : LOQ-WATER-02-QT4-2023

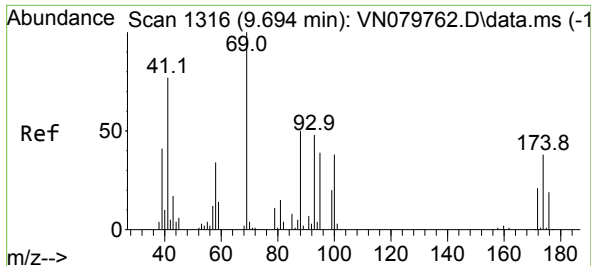
Tgt Ion: 83 Resp: 28628  
Ion Ratio Lower Upper  
83 100  
85 59.3 49.6 74.4  
127 6.6 7.0 10.6#



#48  
Methyl methacrylate  
Concen: 4.726 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 41 Resp: 16600  
Ion Ratio Lower Upper  
41 100  
69 93.0 90.4 135.6  
39 63.7 54.6 81.8





#49

1,4-Dioxane

Concen: 99.171 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2023

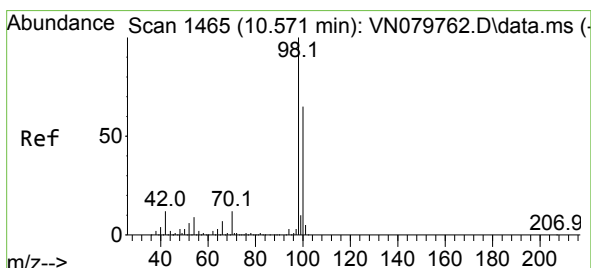
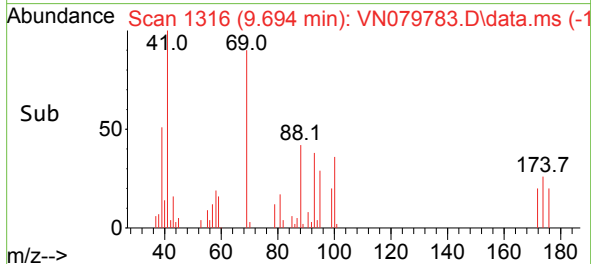
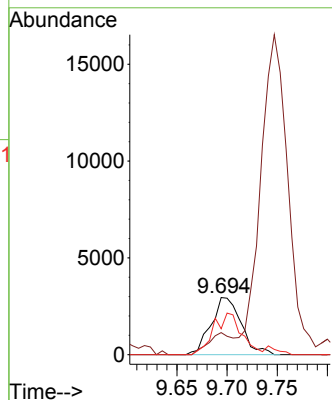
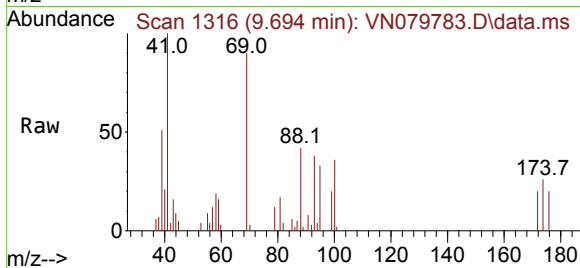
Tgt Ion: 88 Resp: 6155

Ion Ratio Lower Upper

88 100

43 30.0 17.0 25.6#

58 67.9 47.0 70.4



#50

Toluene-d8

Concen: 51.701 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079783.D

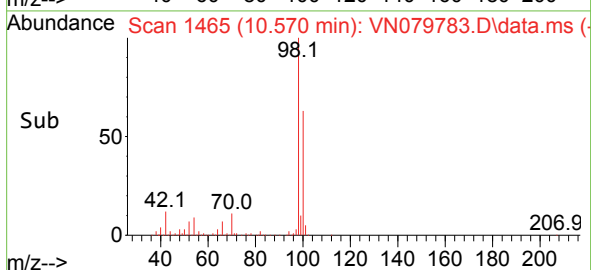
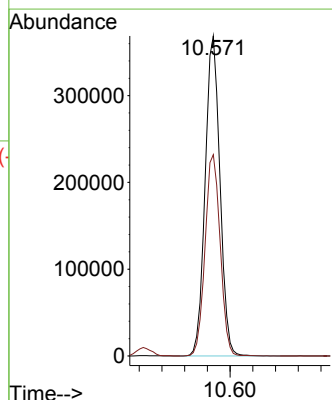
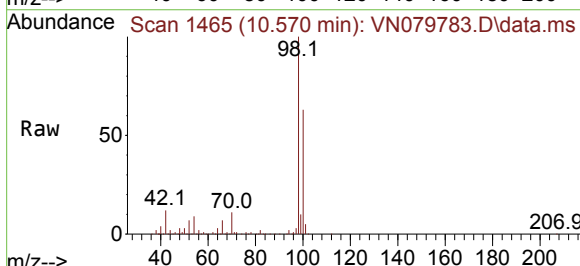
Acq: 01 Nov 2023 19:54

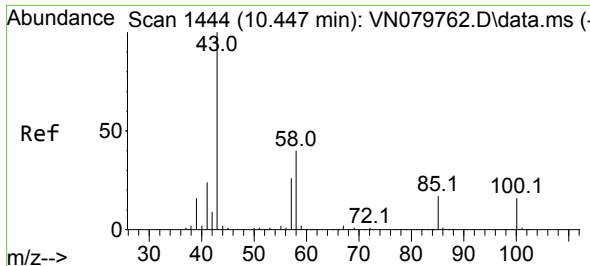
Tgt Ion: 98 Resp: 664620

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

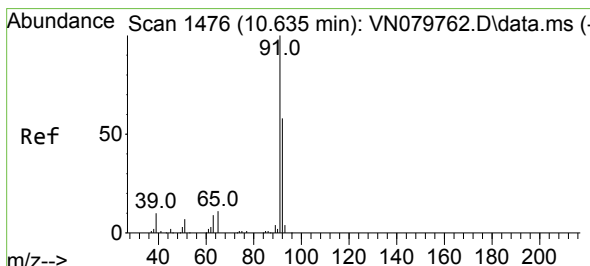
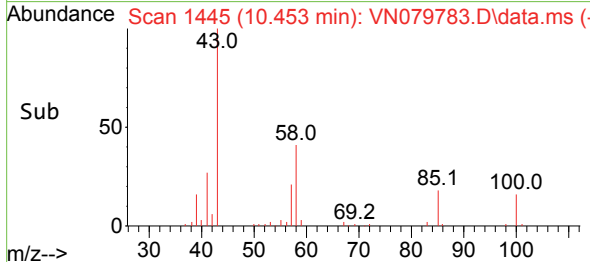
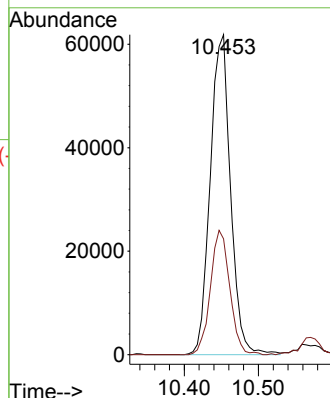
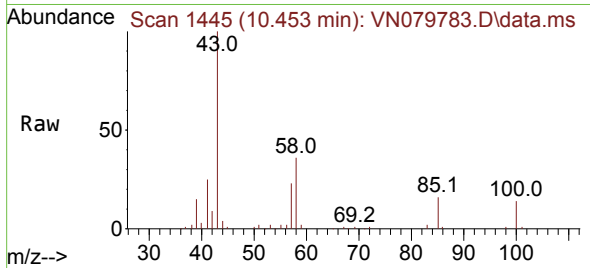




#51  
4-Methyl-2-Pentanone  
Concen: 26.073 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

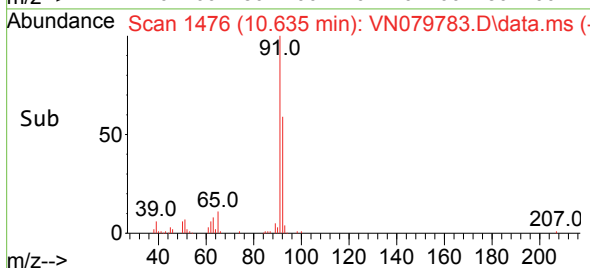
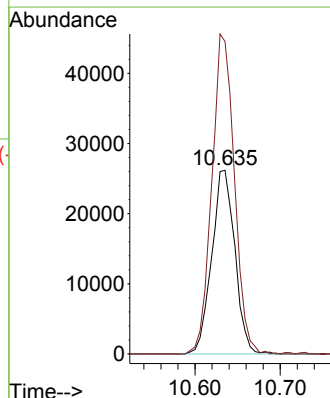
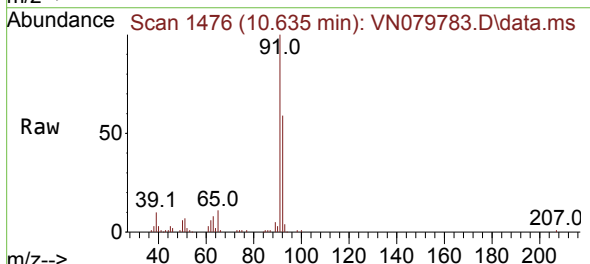
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

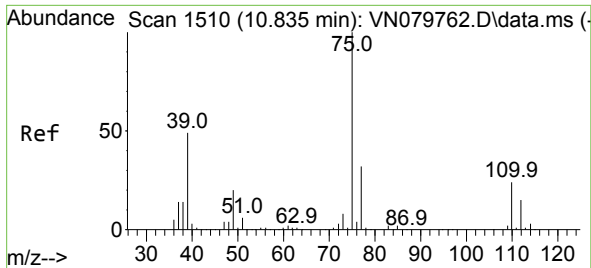
Tgt Ion: 43 Resp: 117709  
Ion Ratio Lower Upper  
43 100  
58 37.1 36.6 54.8



#52  
Toluene  
Concen: 5.588 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 92 Resp: 49472  
Ion Ratio Lower Upper  
92 100  
91 169.6 137.4 206.0

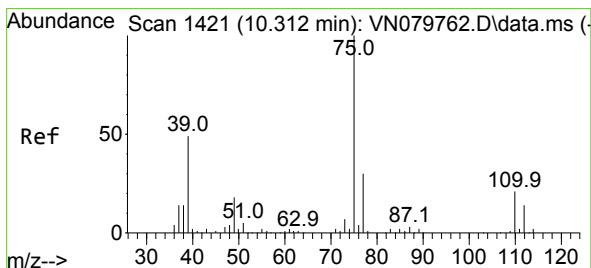
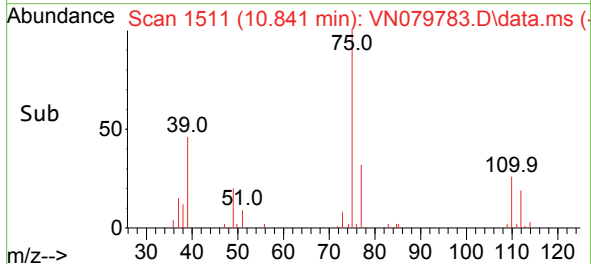
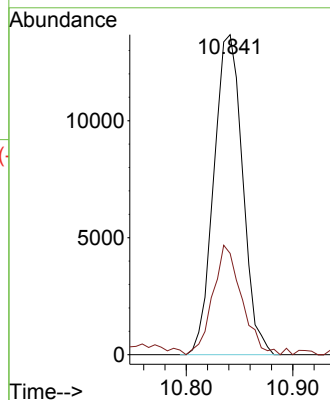
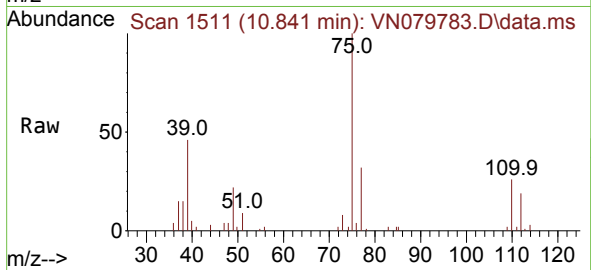




#53  
t-1,3-Dichloropropene  
Concen: 4.706 ug/l  
RT: 10.841 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

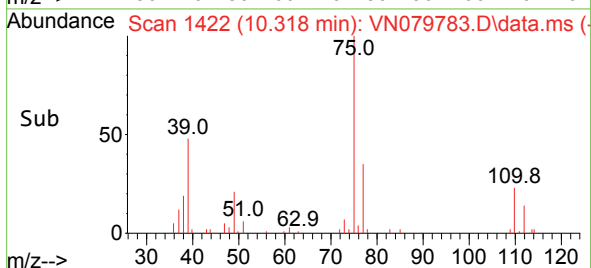
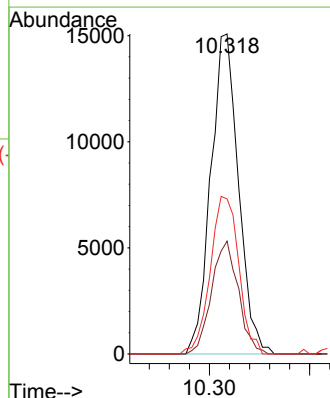
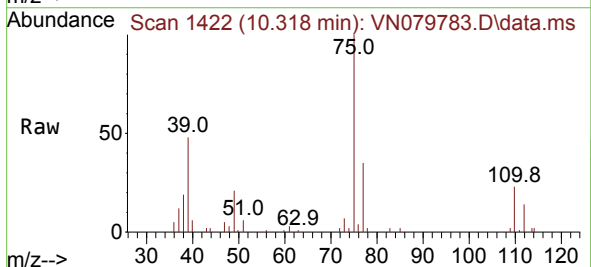
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

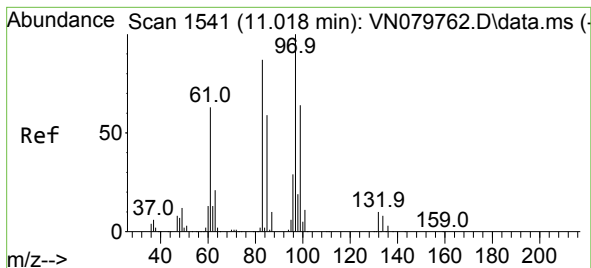
Tgt Ion: 75 Resp: 25638  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.4 38.0



#54  
cis-1,3-Dichloropropene  
Concen: 4.862 ug/l  
RT: 10.318 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 75 Resp: 28872  
Ion Ratio Lower Upper  
75 100  
77 35.2 26.1 39.1  
39 48.4 31.6 47.4#





#55

1,1,2-Trichloroethane

Concen: 5.552 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 97 Resp: 19771

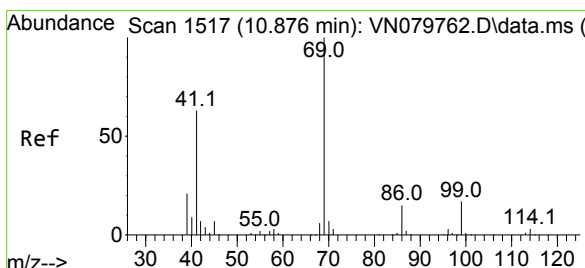
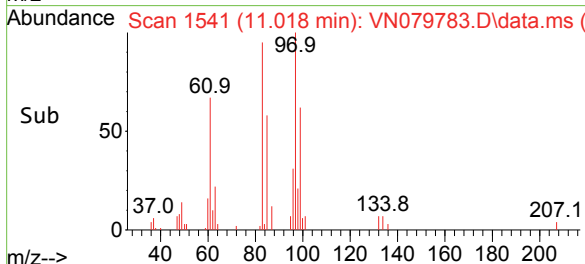
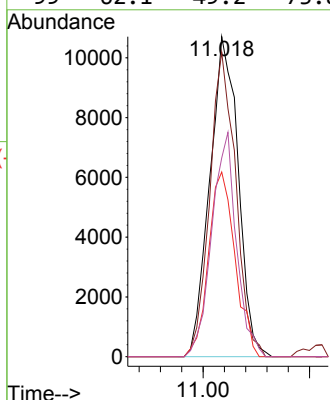
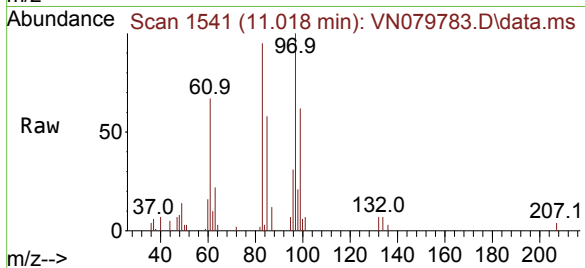
Ion Ratio Lower Upper

97 100

83 95.1 65.1 97.7

85 57.7 43.4 65.2

99 62.1 49.2 73.8



#56

Ethyl methacrylate

Concen: 4.561 ug/l

RT: 10.876 min Scan# 1517

Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

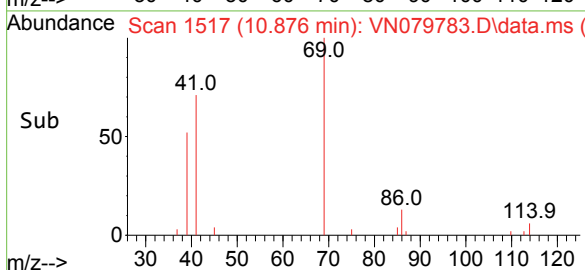
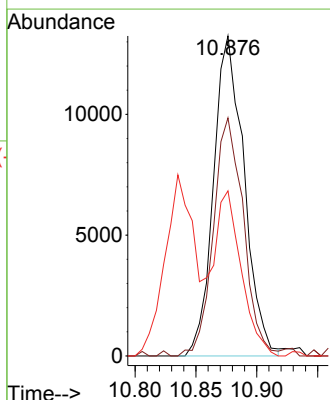
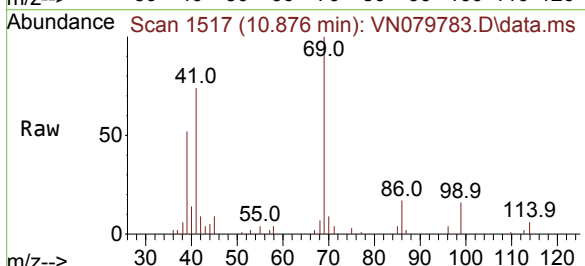
Tgt Ion: 69 Resp: 23166

Ion Ratio Lower Upper

69 100

41 73.0 39.6 59.4#

39 43.8 28.6 43.0#

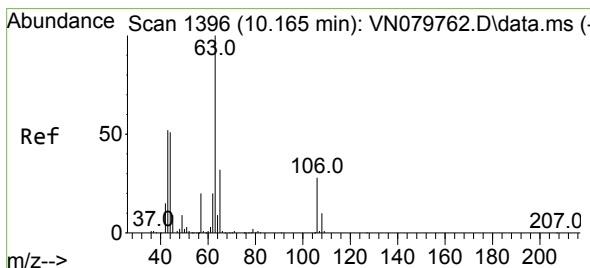
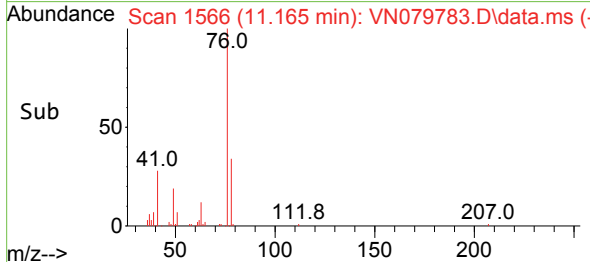
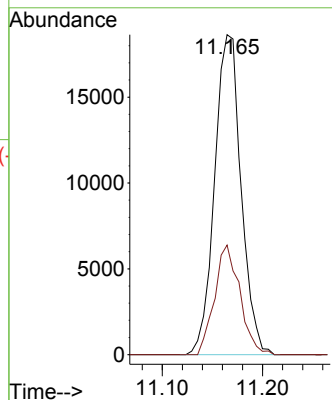
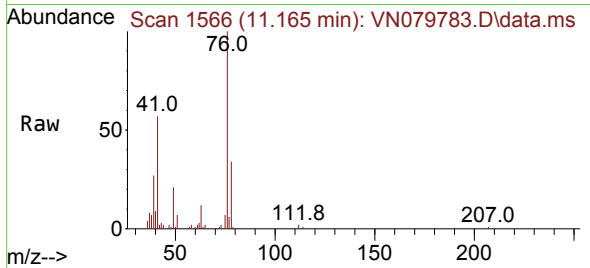




#57  
1,3-Dichloropropane  
Concen: 5.432 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

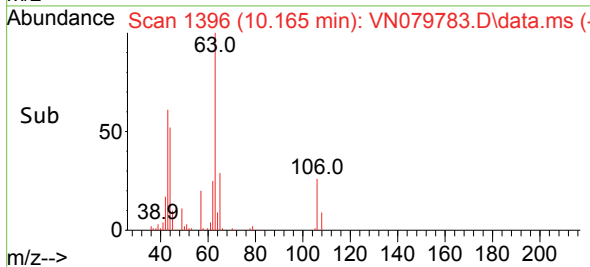
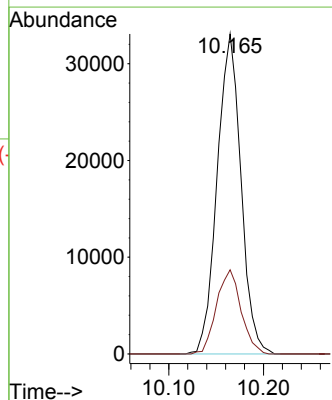
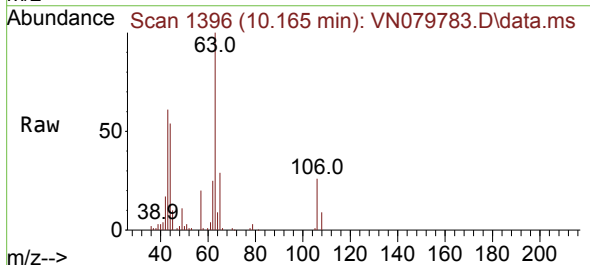
Instrument : MSVOA\_N  
ClientSampleId : LOQ-WATER-02-QT4-2023

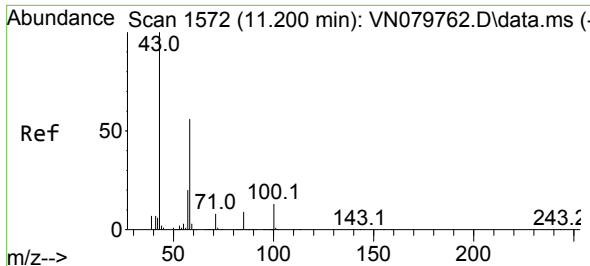
Tgt Ion: 76 Resp: 34097  
Ion Ratio Lower Upper  
76 100  
78 32.7 26.1 39.1



#58  
2-Chloroethyl Vinyl ether  
Concen: 22.420 ug/l  
RT: 10.165 min Scan# 1396  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 63 Resp: 57717  
Ion Ratio Lower Upper  
63 100  
106 27.2 26.2 39.4

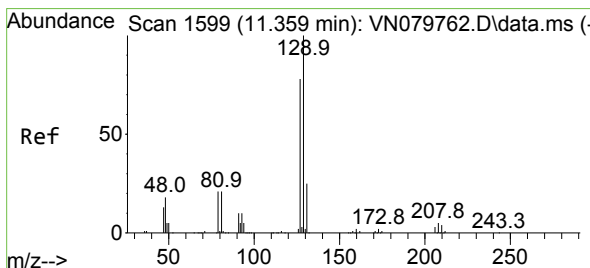
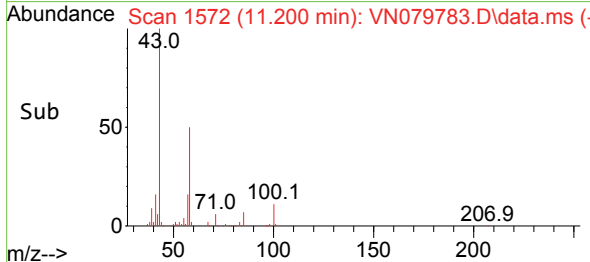
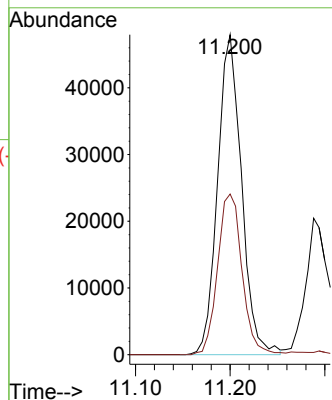
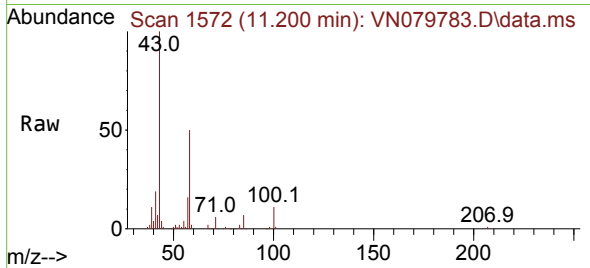




#59  
2-Hexanone  
Concen: 24.368 ug/l  
RT: 11.200 min Scan# 1119  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

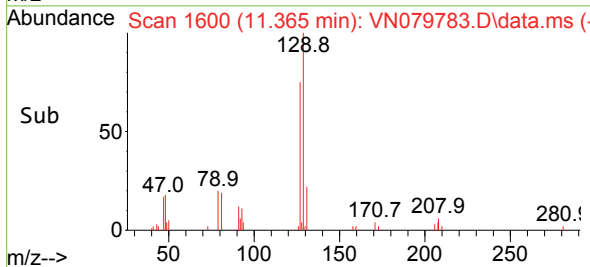
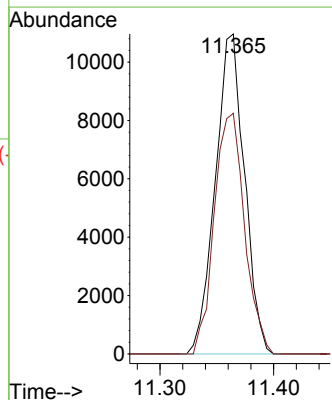
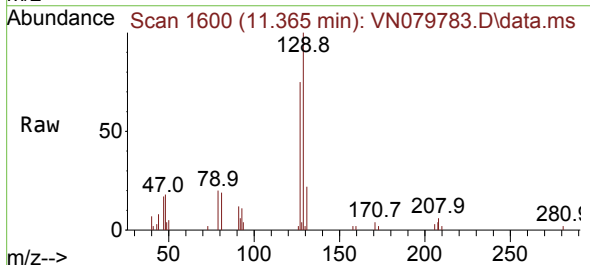
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

Tgt Ion: 43 Resp: 84159  
Ion Ratio Lower Upper  
43 100  
58 51.4 31.7 95.1



#60  
Dibromochloromethane  
Concen: 5.140 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 129 Resp: 19593  
Ion Ratio Lower Upper  
129 100  
127 78.0 38.6 116.0

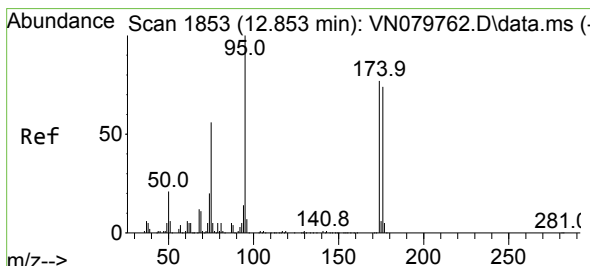
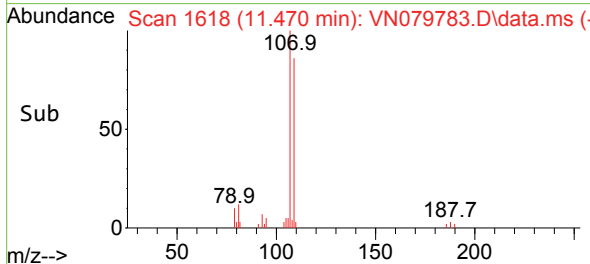
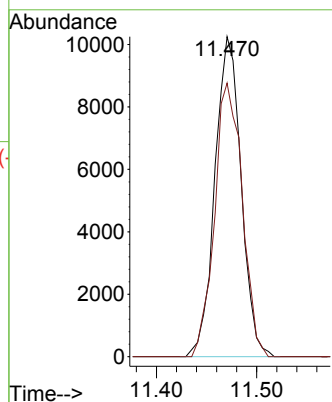
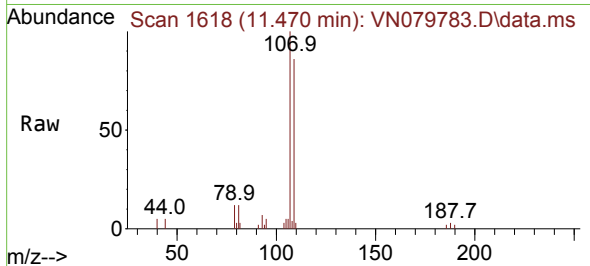




#61  
1,2-Dibromoethane  
Concen: 5.186 ug/l  
RT: 11.470 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

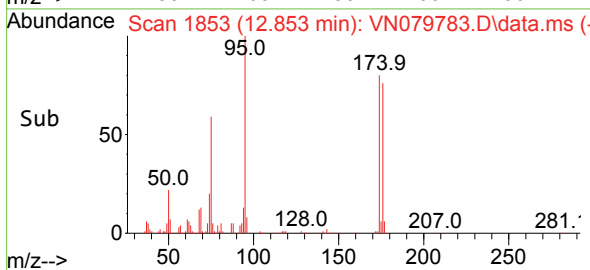
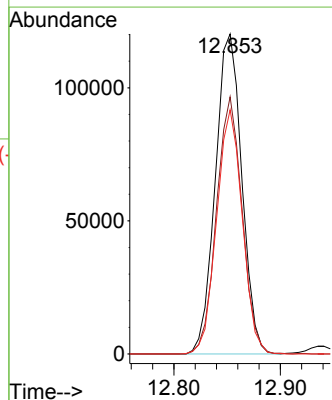
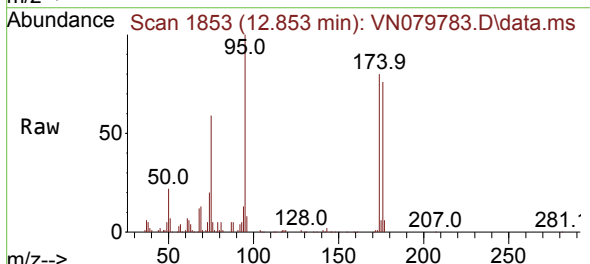
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

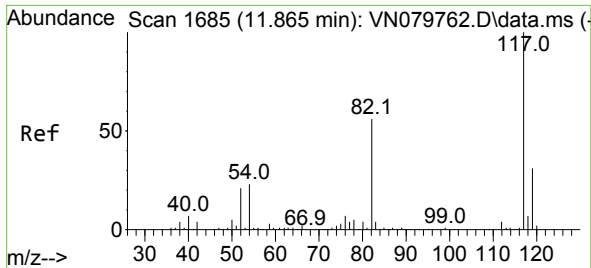
Tgt Ion:107 Resp: 18535  
Ion Ratio Lower Upper  
107 100  
109 90.5 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 48.672 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 95 Resp: 207505  
Ion Ratio Lower Upper  
95 100  
174 77.6 0.0 143.8  
176 73.9 0.0 135.8

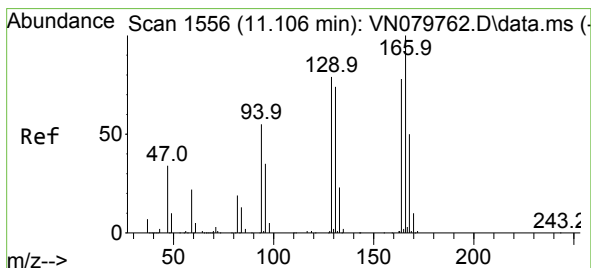
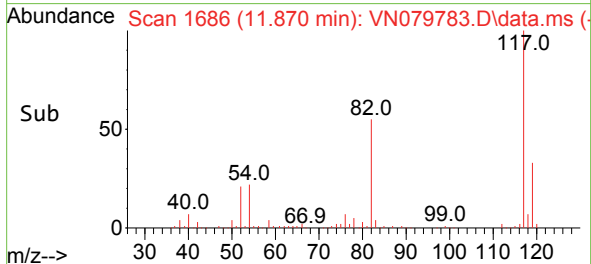
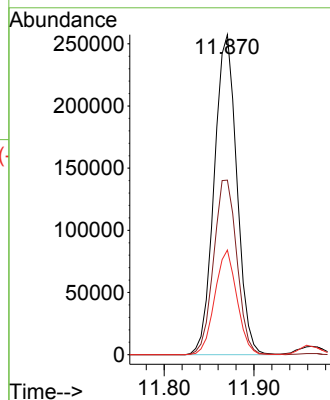
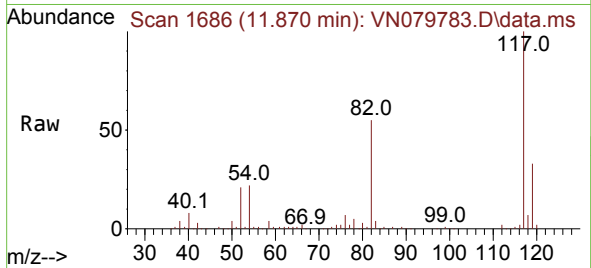




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

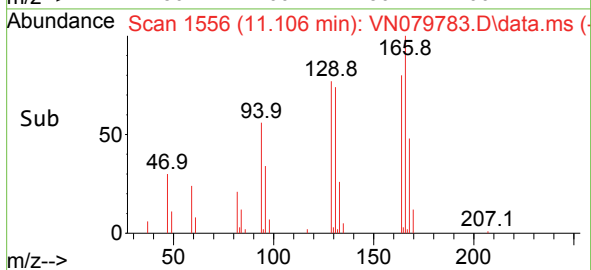
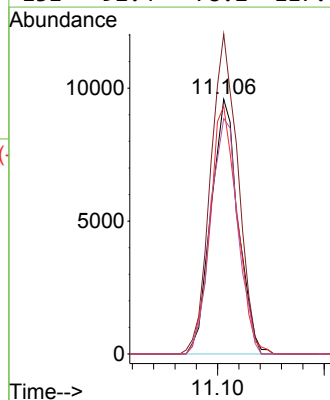
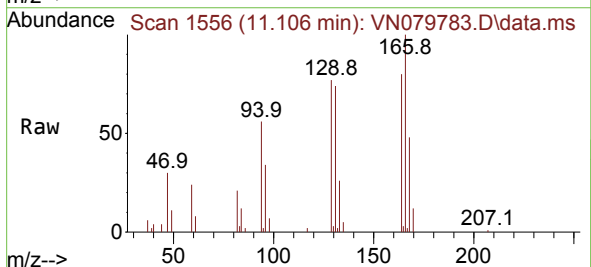
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

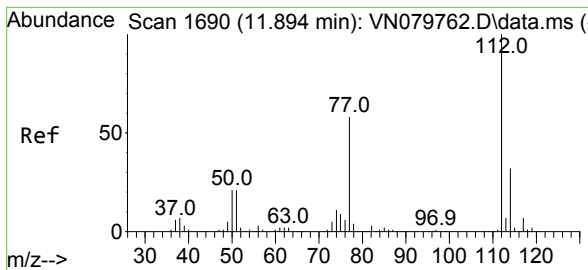
Tgt Ion:117 Resp: 450264  
Ion Ratio Lower Upper  
117 100  
82 54.6 44.0 66.0  
119 32.7 25.6 38.4



#64  
Tetrachloroethene  
Concen: 5.810 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion:164 Resp: 16944  
Ion Ratio Lower Upper  
164 100  
166 125.7 101.4 152.0  
129 97.3 82.4 123.6  
131 92.4 78.2 117.4

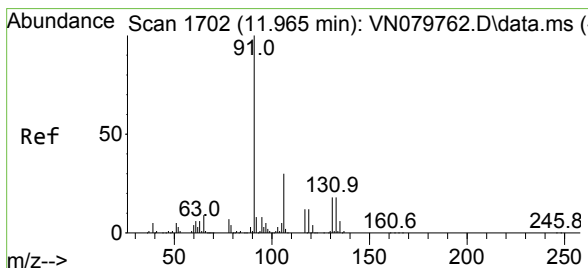
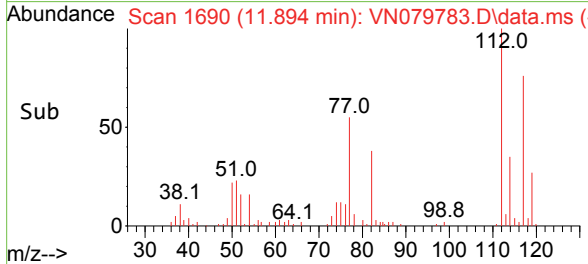
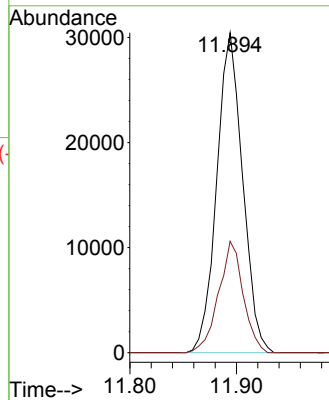
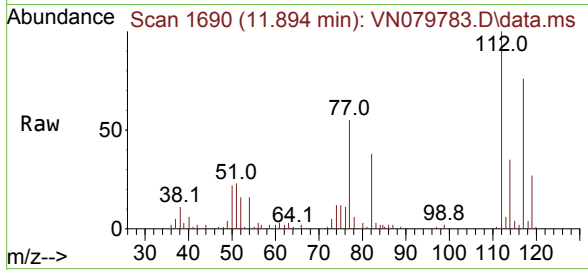




#65  
Chlorobenzene  
Concen: 5.246 ug/l  
RT: 11.894 min Scan# 1112  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

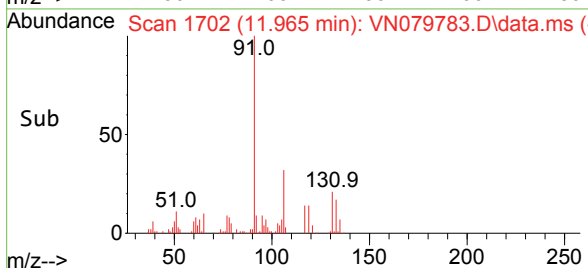
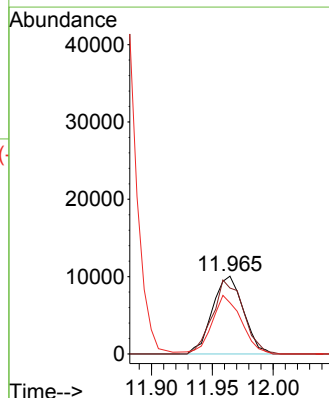
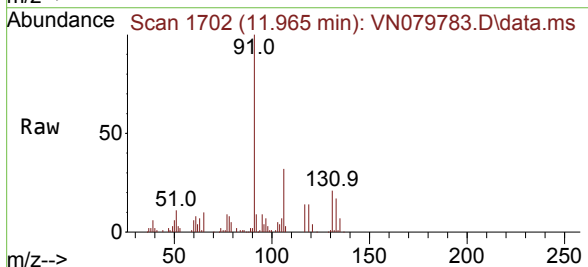
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

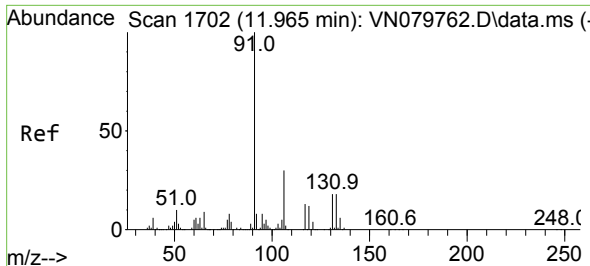
Tgt Ion:112 Resp: 51237  
Ion Ratio Lower Upper  
112 100  
114 34.8 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 5.065 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion:131 Resp: 17824  
Ion Ratio Lower Upper  
131 100  
133 94.5 46.4 139.1  
119 71.0 34.1 102.2

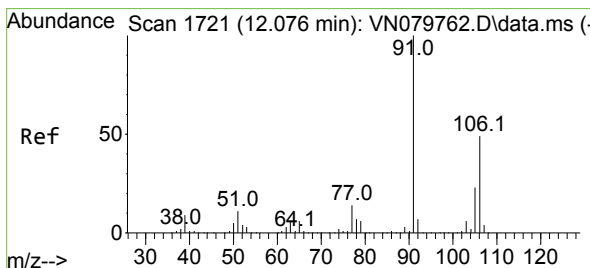
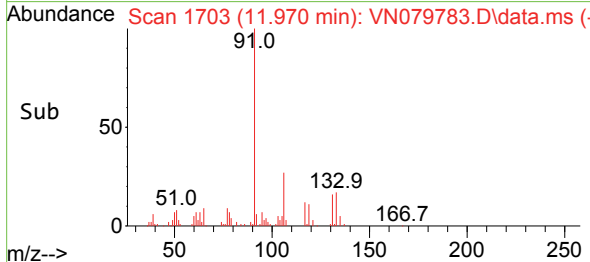
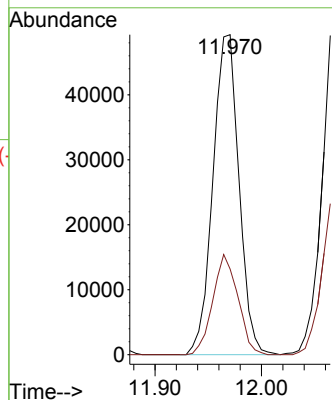
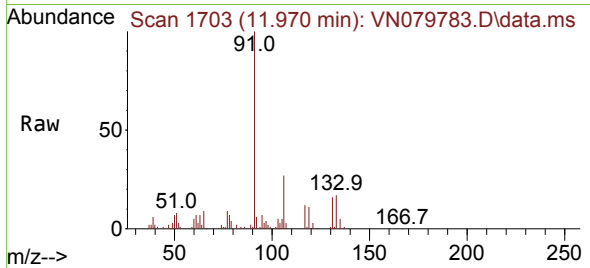




#67  
Ethyl Benzene  
Concen: 4.904 ug/l  
RT: 11.970 min Scan# 1703  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

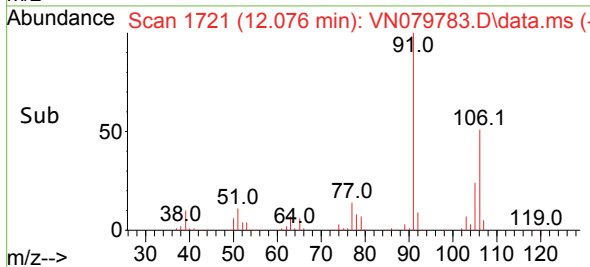
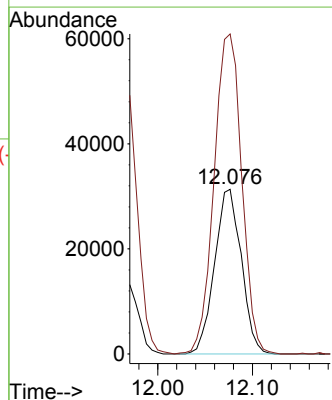
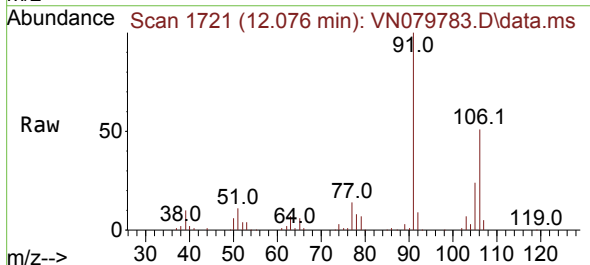
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

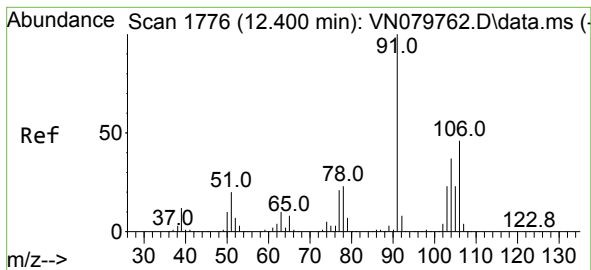
Tgt Ion: 91 Resp: 83457  
Ion Ratio Lower Upper  
91 100  
106 26.7 25.6 38.4



#68  
m/p-Xylenes  
Concen: 9.699 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 106 Resp: 61483  
Ion Ratio Lower Upper  
106 100  
91 201.2 159.6 239.4





#69

o-Xylene

Concen: 4.781 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

Instrument :

MSVOA\_N

ClientSampleId :

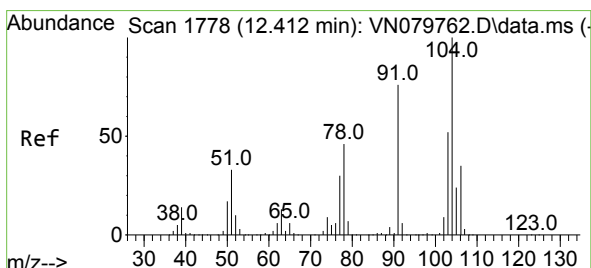
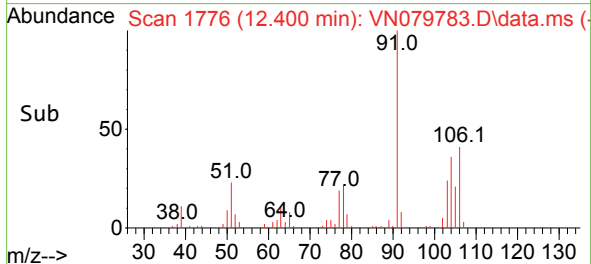
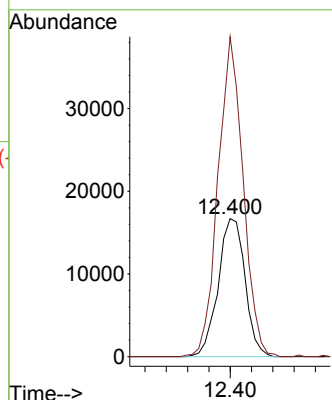
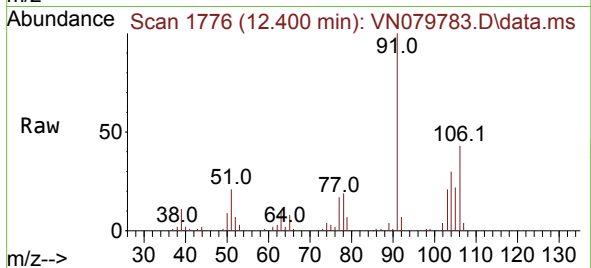
LOQ-WATER-02-QT4-2023

Tgt Ion:106 Resp: 29182

Ion Ratio Lower Upper

106 100

91 216.5 105.2 315.5



#70

Styrene

Concen: 4.621 ug/l

RT: 12.417 min Scan# 1779

Delta R.T. 0.006 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

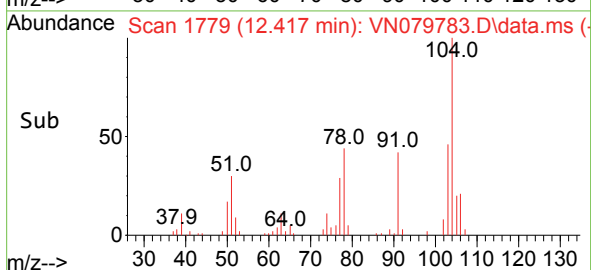
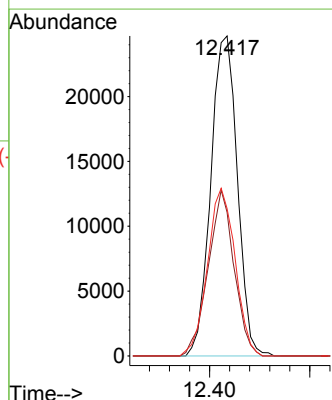
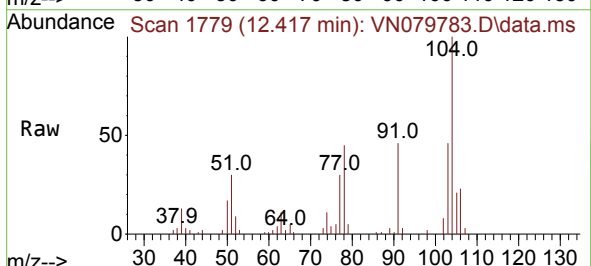
Tgt Ion:104 Resp: 45328

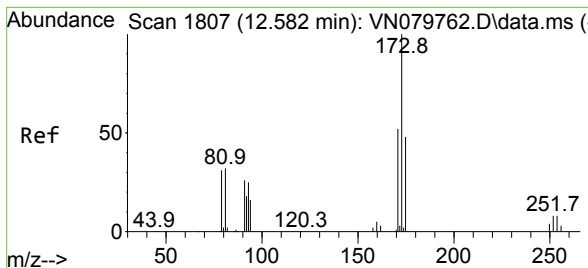
Ion Ratio Lower Upper

104 100

78 50.5 39.5 59.3

103 54.7 43.2 64.8





#71

Bromoform

Concen: 4.934 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2023

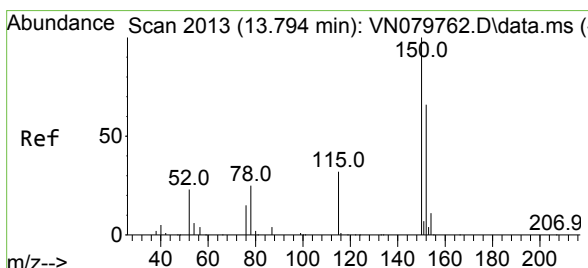
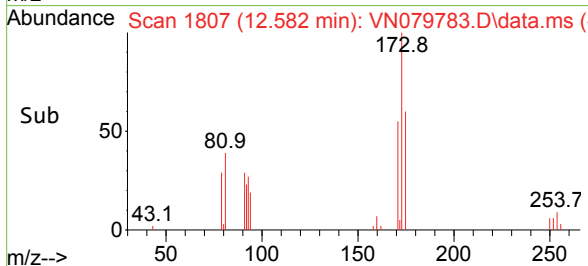
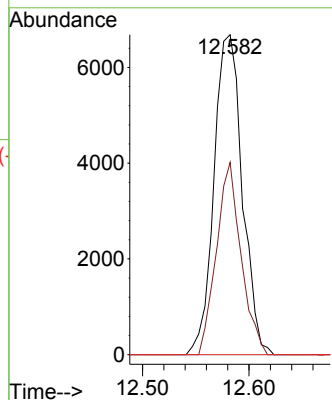
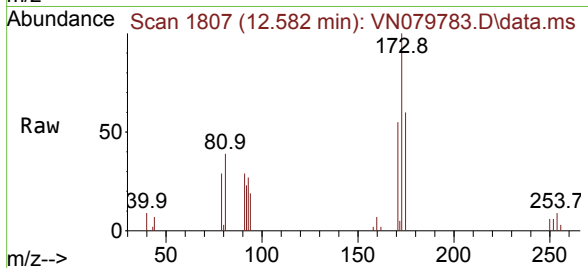
Tgt Ion:173 Resp: 12329

Ion Ratio Lower Upper

173 100

175 52.2 24.3 73.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

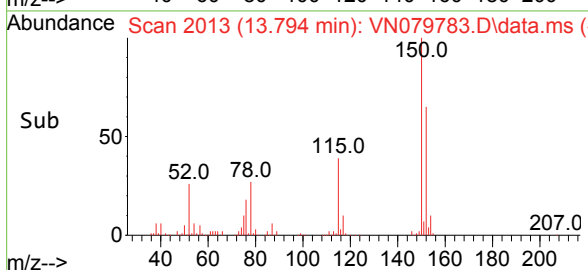
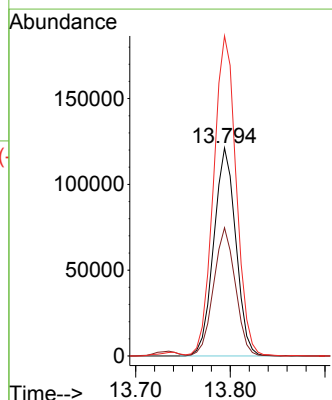
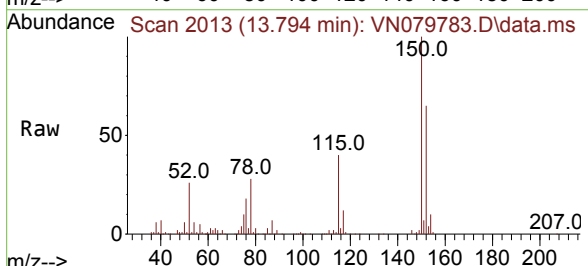
Tgt Ion:152 Resp: 196253

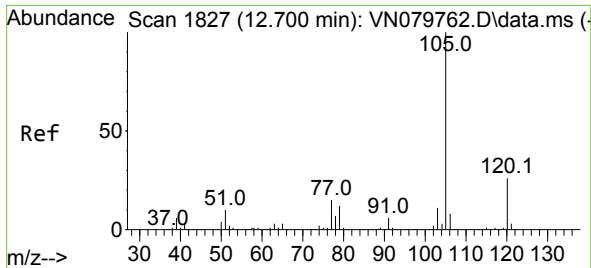
Ion Ratio Lower Upper

152 100

115 60.9 32.3 96.8

150 158.1 0.0 355.8

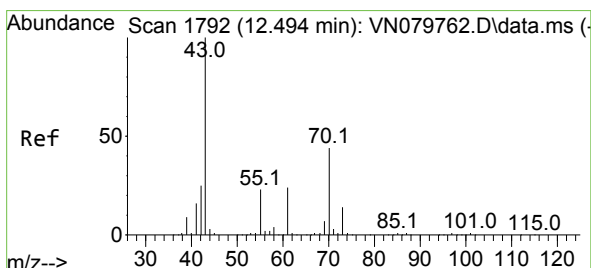
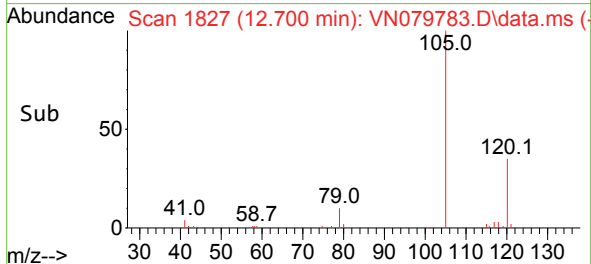
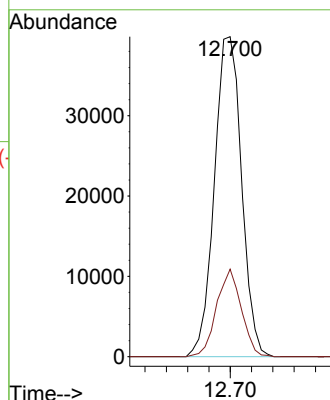
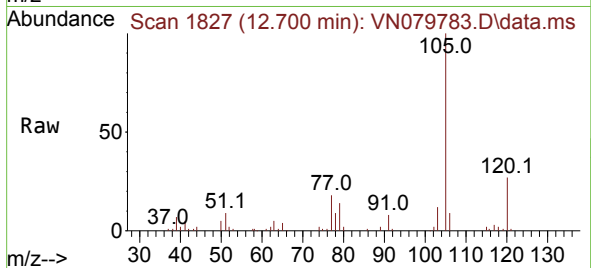




#73  
Isopropylbenzene  
Concen: 4.735 ug/l  
RT: 12.700 min Scan# 1827  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

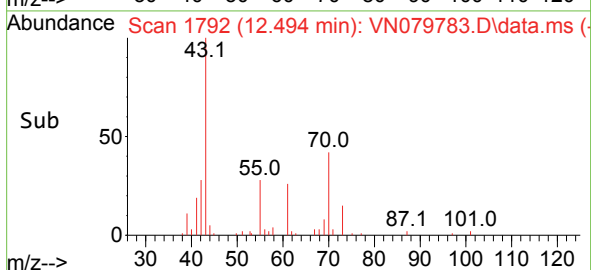
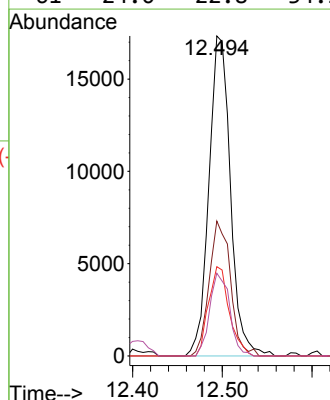
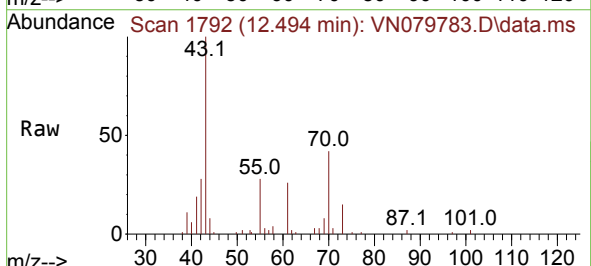
Instrument : MSVOA\_N  
ClientSampleId : LOQ-WATER-02-QT4-2023

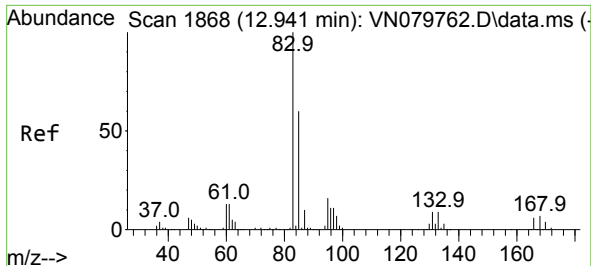
Tgt Ion:105 Resp: 70519  
Ion Ratio Lower Upper  
105 100  
120 24.9 13.1 39.1



#74  
N-ethyl acetate  
Concen: 4.443 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 43 Resp: 28887  
Ion Ratio Lower Upper  
43 100  
70 41.8 43.4 65.2#  
55 26.8 21.4 32.0  
61 24.0 22.8 34.2

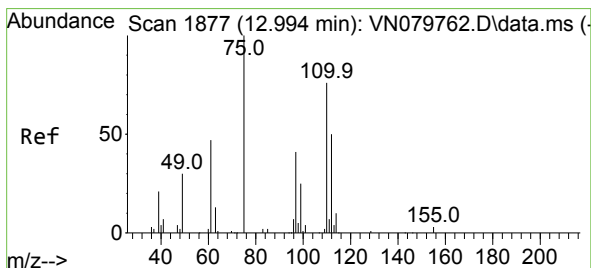
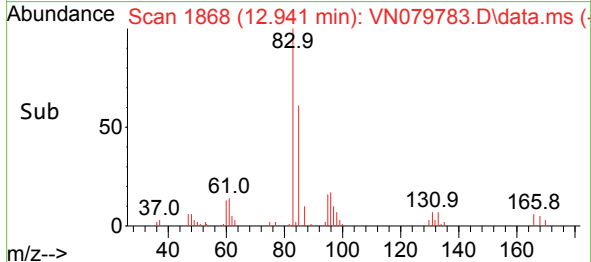
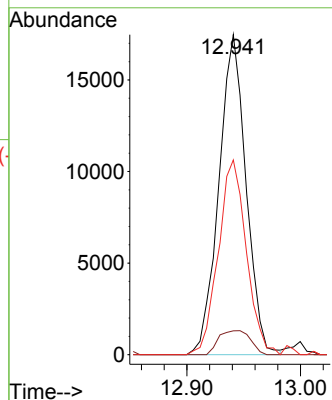
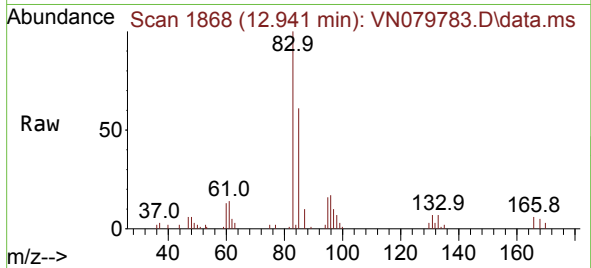




#75  
1,1,2,2-Tetrachloroethane  
Concen: 5.500 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

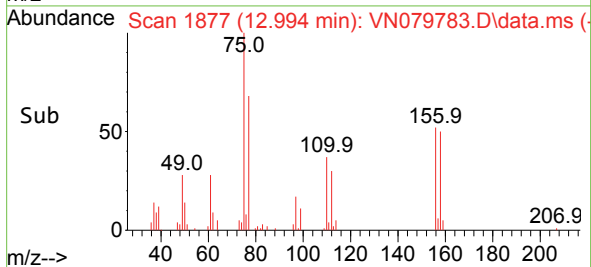
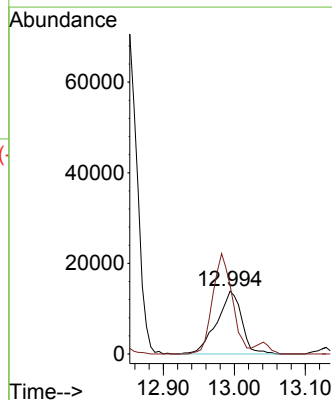
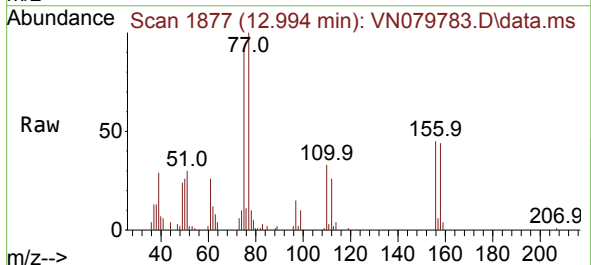
Instrument : MSVOA\_N  
ClientSampleId : LOQ-WATER-02-QT4-2023

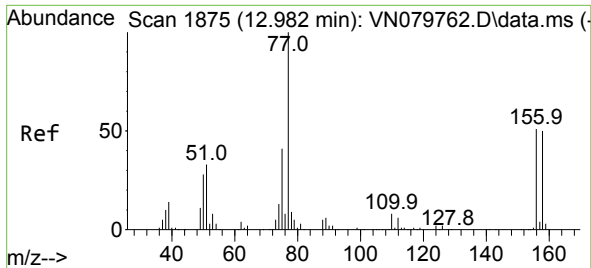
| Tgt Ion:  | 83    | Resp: | 29045 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 8.7   | 5.0   | 15.0  |
| 85        | 62.7  | 31.9  | 95.7  |



#76  
1,2,3-Trichloropropane  
Concen: 7.335 ug/l  
RT: 12.994 min Scan# 1877  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

| Tgt Ion:  | 75    | Resp: | 33795 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 127.0 | 84.5  | 253.5 |

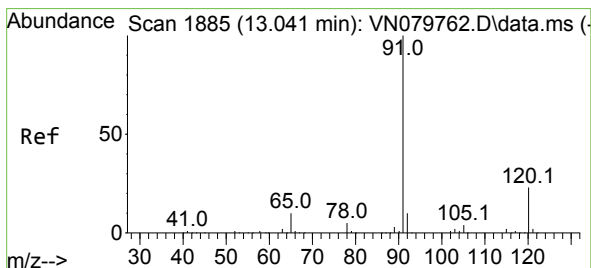
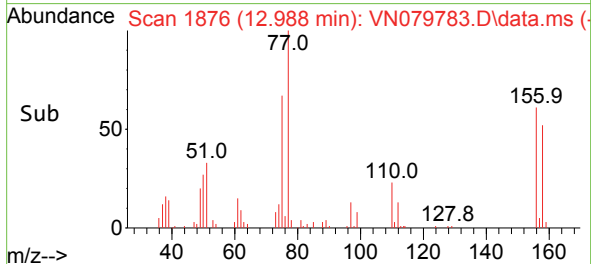
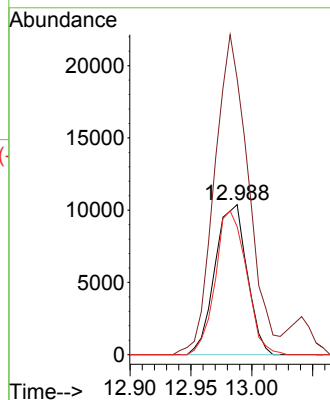
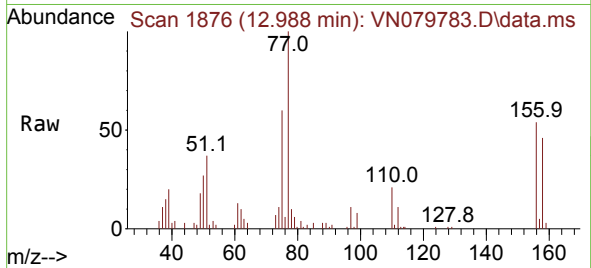




#77  
Bromobenzene  
Concen: 5.203 ug/l  
RT: 12.988 min Scan# 1876  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

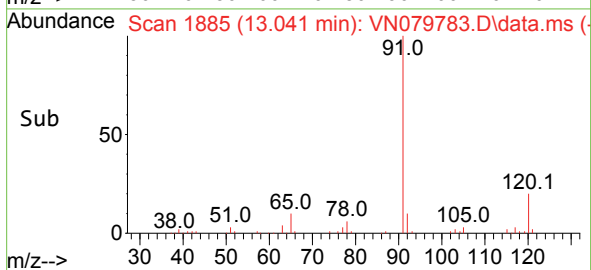
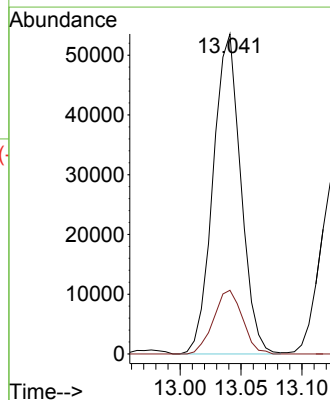
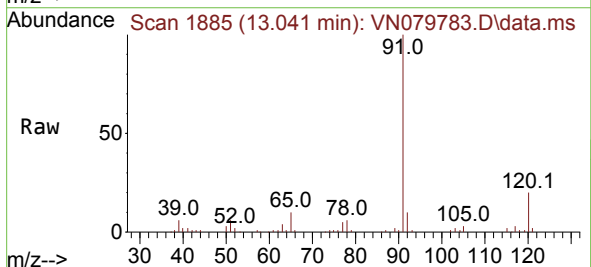
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

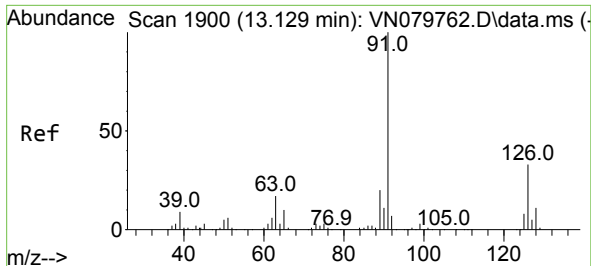
Tgt Ion:156 Resp: 18974  
Ion Ratio Lower Upper  
156 100  
77 226.2 107.7 323.3  
158 93.1 48.4 145.3



#78  
n-propylbenzene  
Concen: 4.986 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 91 Resp: 85045  
Ion Ratio Lower Upper  
91 100  
120 20.7 11.5 34.4

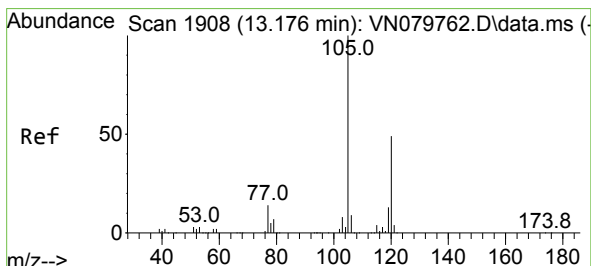
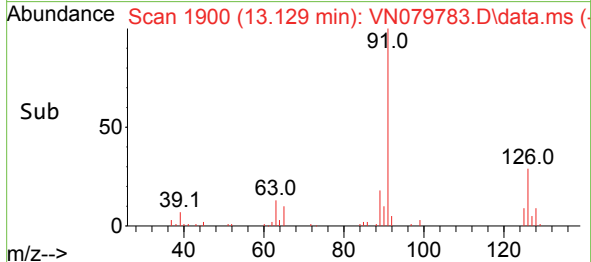
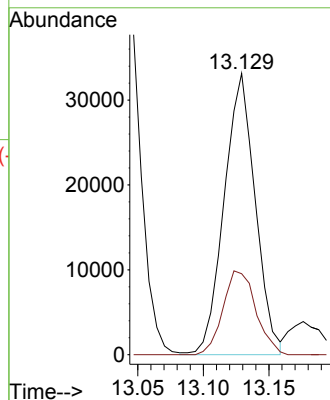
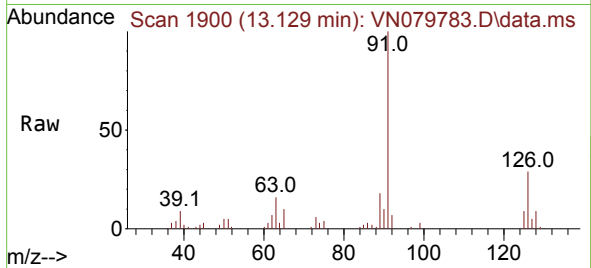




#79  
2-Chlorotoluene  
Concen: 5.021 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

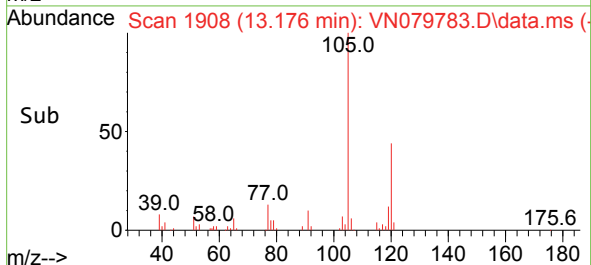
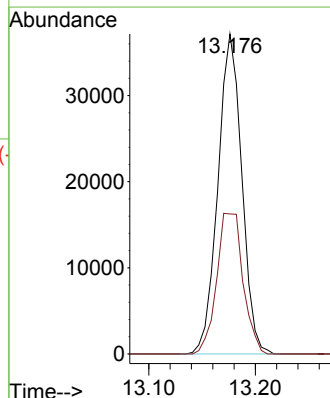
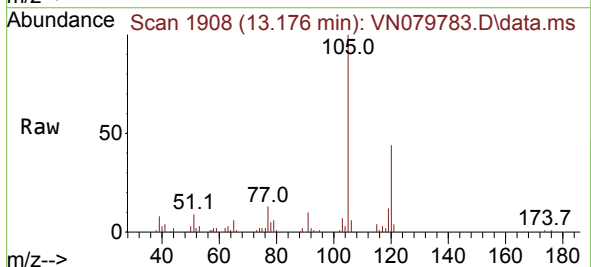
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

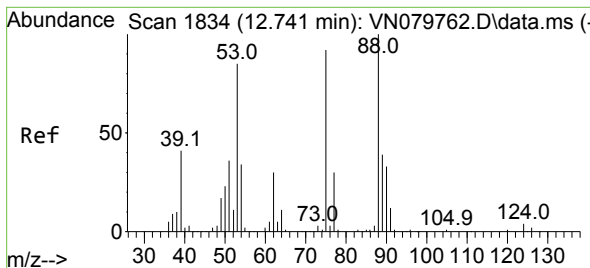
Tgt Ion: 91 Resp: 54711  
Ion Ratio Lower Upper  
91 100  
126 31.5 16.3 48.8



#80  
1,3,5-Trimethylbenzene  
Concen: 4.987 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion: 105 Resp: 57792  
Ion Ratio Lower Upper  
105 100  
120 48.6 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 4.086 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2023

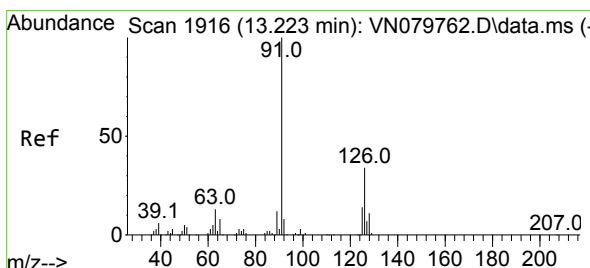
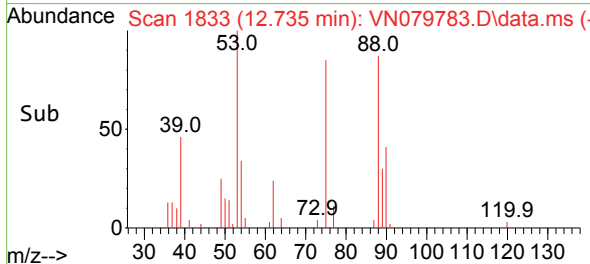
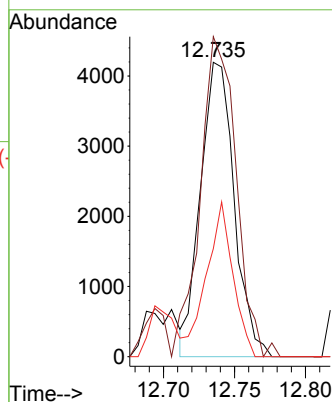
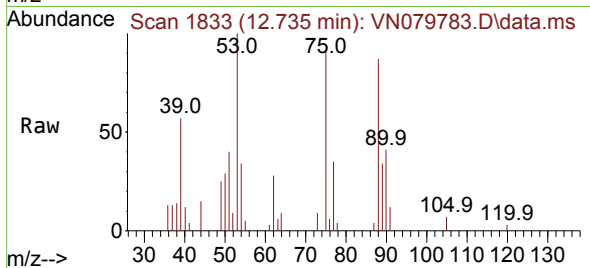
Tgt Ion: 75 Resp: 6920

Ion Ratio Lower Upper

75 100

53 115.8 67.4 101.2#

89 41.6 38.8 58.2



#82

4-Chlorotoluene

Concen: 5.104 ug/l

RT: 13.229 min Scan# 1917

Delta R.T. 0.006 min

Lab File: VN079783.D

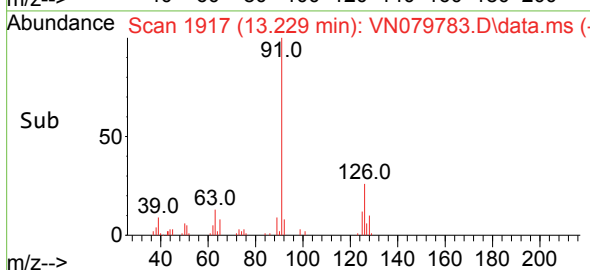
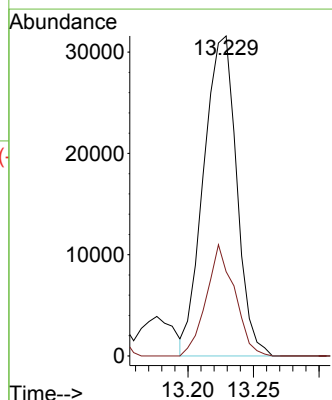
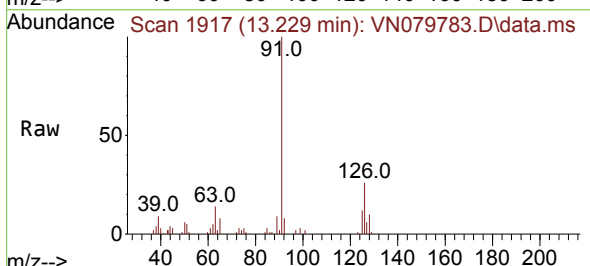
Acq: 01 Nov 2023 19:54

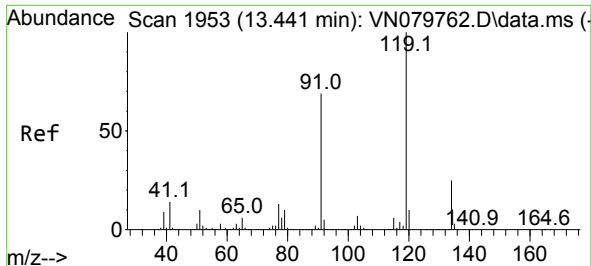
Tgt Ion: 91 Resp: 55265

Ion Ratio Lower Upper

91 100

126 29.9 16.7 50.0

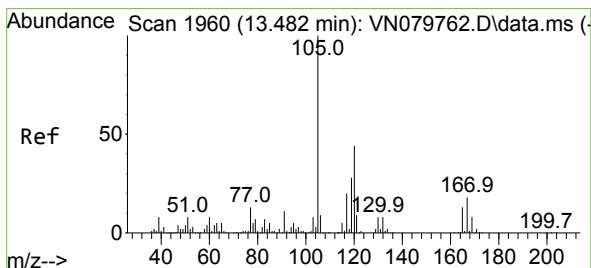
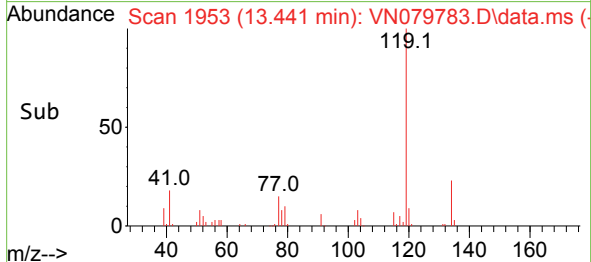
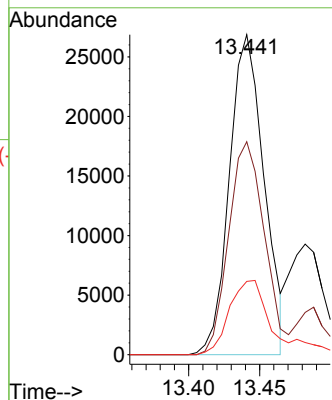
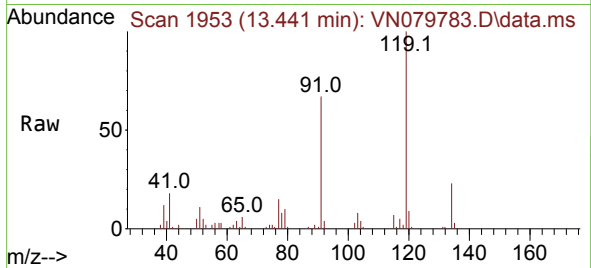




#83  
tert-Butylbenzene  
Concen: 4.814 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

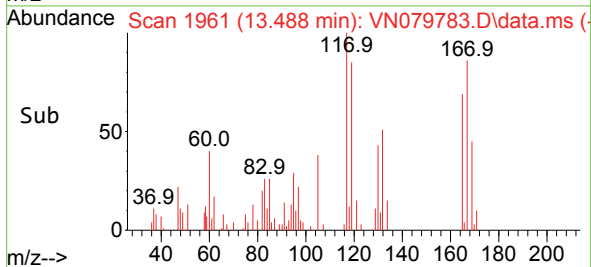
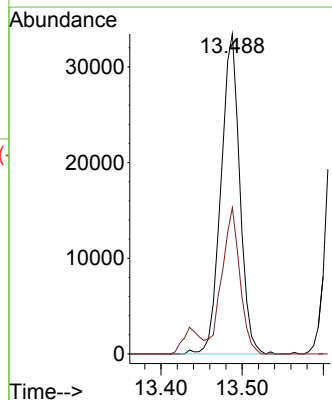
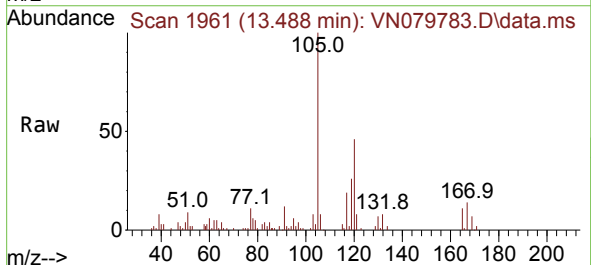
Instrument : MSVOA\_N  
ClientSampleId : LOQ-WATER-02-QT4-2023

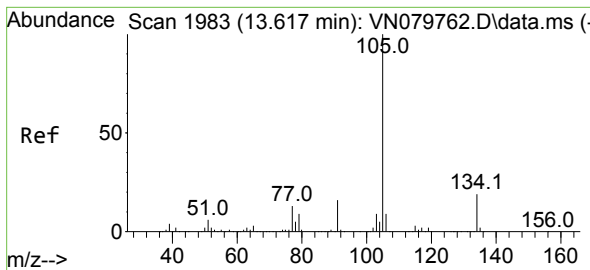
Tgt Ion:119 Resp: 45663  
Ion Ratio Lower Upper  
119 100  
91 69.1 33.9 101.7  
134 28.7 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 4.716 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion:105 Resp: 53774  
Ion Ratio Lower Upper  
105 100  
120 44.4 22.0 66.0





#85

sec-Butylbenzene

Concen: 4.829 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

Instrument :

MSVOA\_N

ClientSampleId :

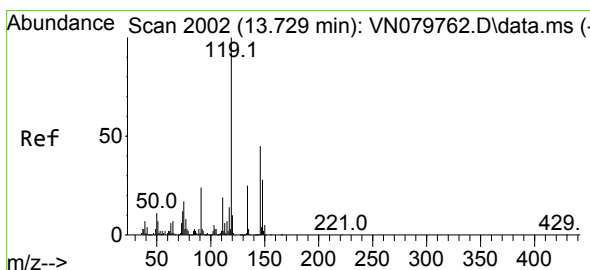
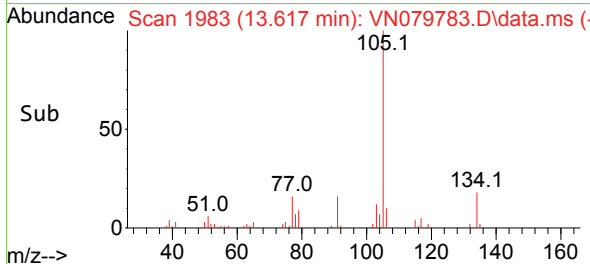
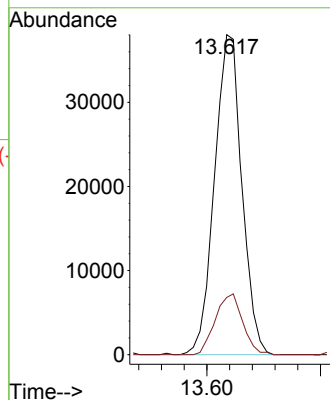
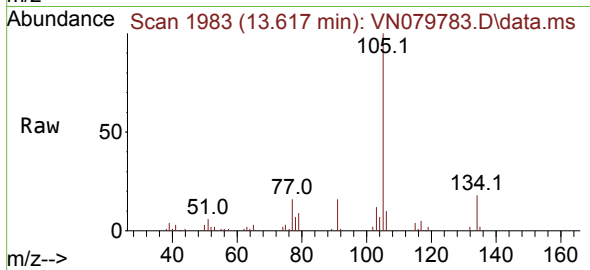
LOQ-WATER-02-QT4-2023

Tgt Ion:105 Resp: 63460

Ion Ratio Lower Upper

105 100

134 19.0 9.8 29.3



#86

p-Isopropyltoluene

Concen: 4.570 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

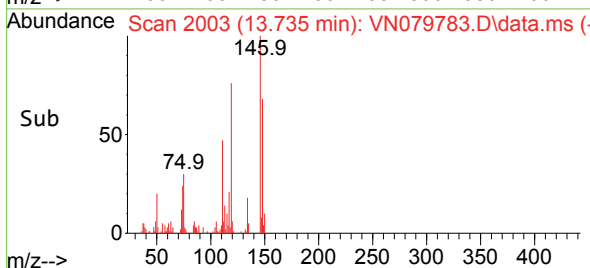
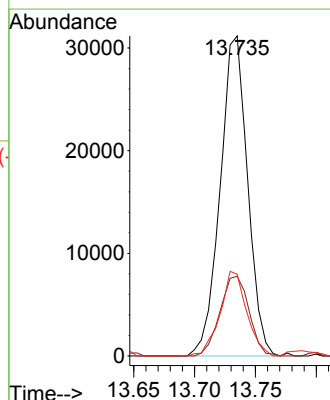
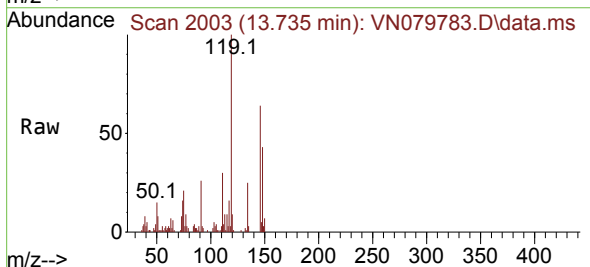
Tgt Ion:119 Resp: 48961

Ion Ratio Lower Upper

119 100

134 26.3 12.6 37.8

91 25.7 12.4 37.2

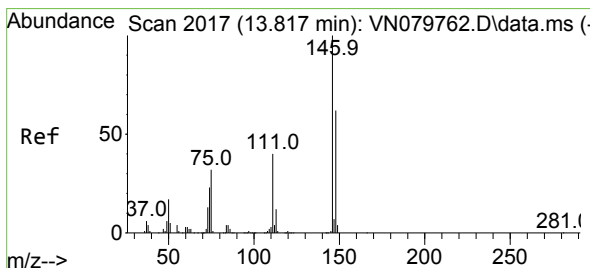
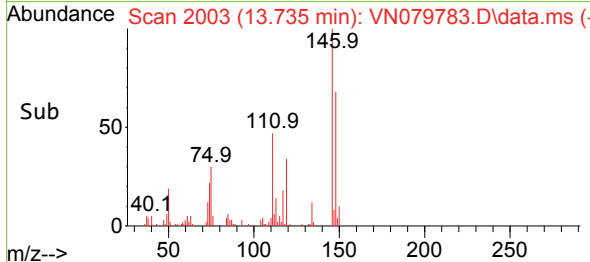
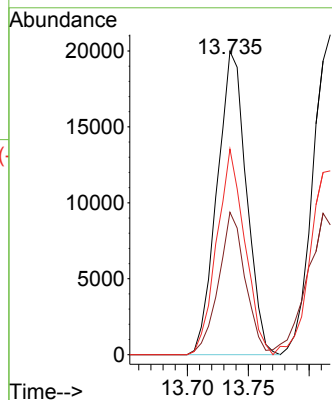
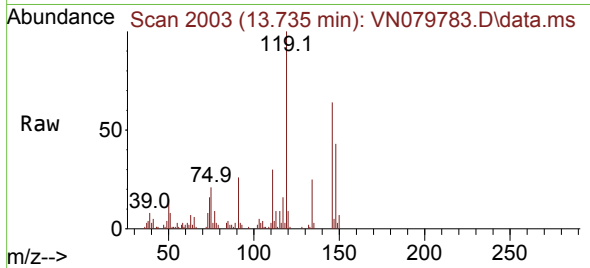




#87  
1,3-Dichlorobenzene  
Concen: 4.939 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

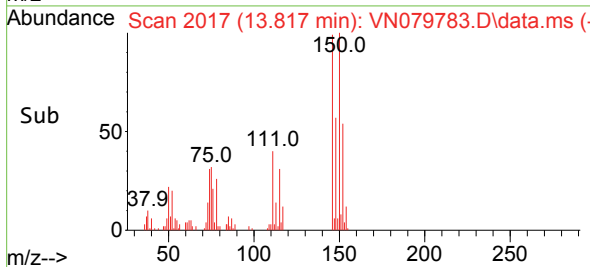
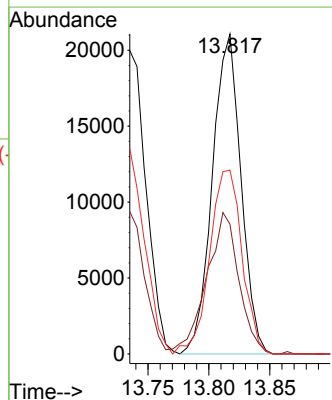
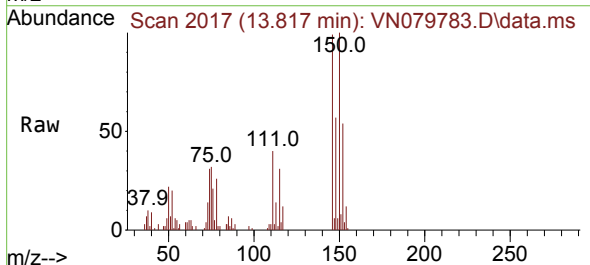
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

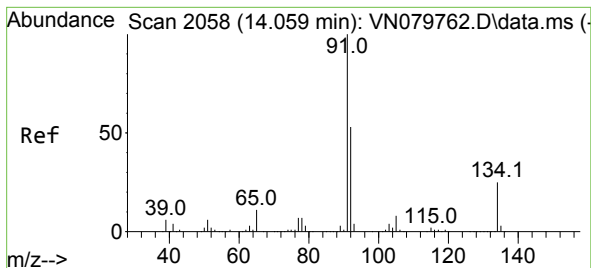
Tgt Ion:146 Resp: 33507  
Ion Ratio Lower Upper  
146 100  
111 43.0 22.1 66.3  
148 64.6 32.0 96.0



#88  
1,4-Dichlorobenzene  
Concen: 5.009 ug/l  
RT: 13.817 min Scan# 2017  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Tgt Ion:146 Resp: 34493  
Ion Ratio Lower Upper  
146 100  
111 49.7 20.6 61.8  
148 64.9 31.6 94.8





#89

n-Butylbenzene

Concen: 4.411 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

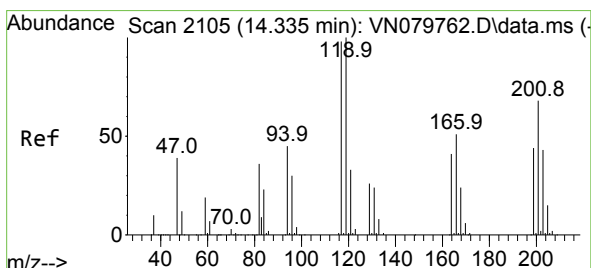
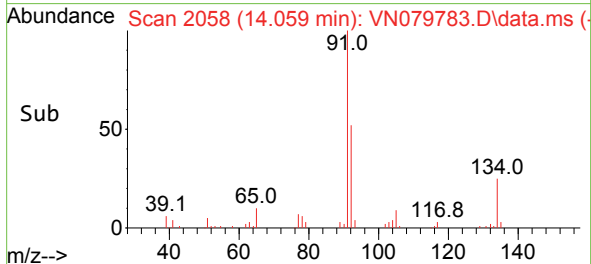
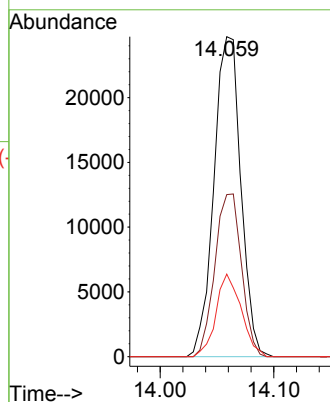
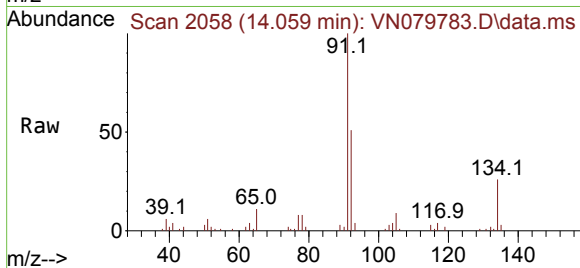
Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2023

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 40708 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 50.2  | 26.4  | 79.0  |
| 134      | 24.2  | 12.6  | 37.6  |



#90

Hexachloroethane

Concen: 5.015 ug/l

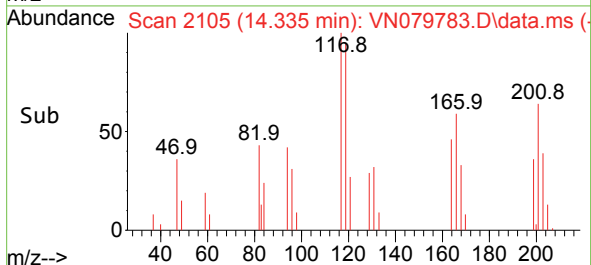
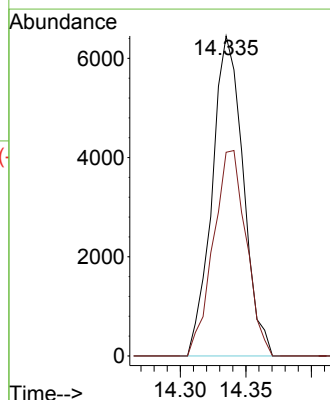
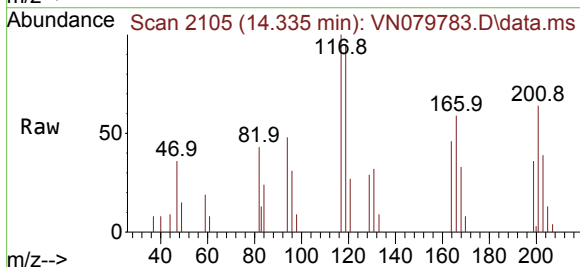
RT: 14.335 min Scan# 2105

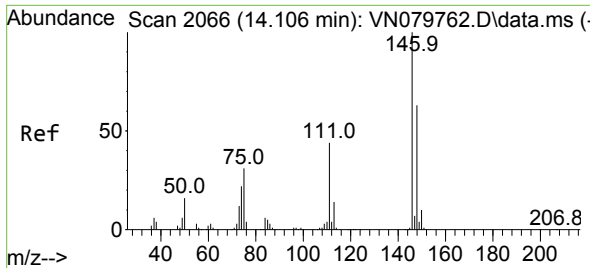
Delta R.T. 0.000 min

Lab File: VN079783.D

Acq: 01 Nov 2023 19:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 10641 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 67.9  | 29.3  | 88.0  |

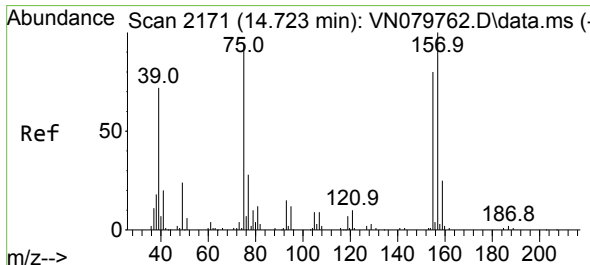
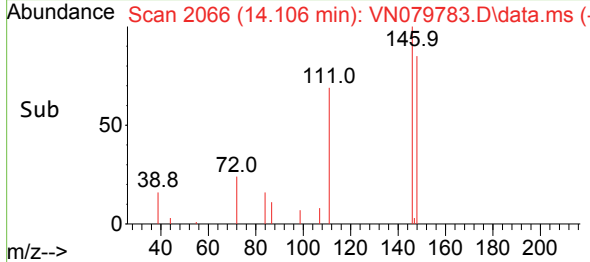
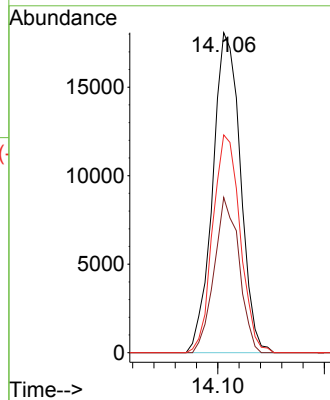
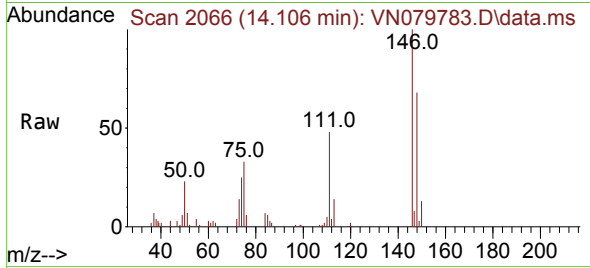




#91  
1,2-Dichlorobenzene  
Concen: 5.101 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

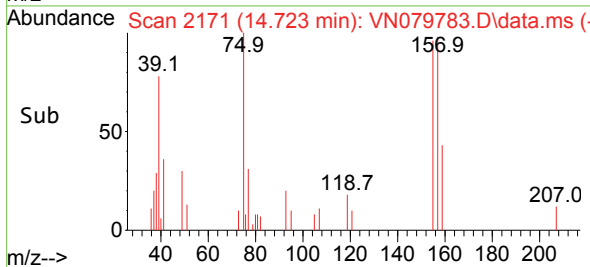
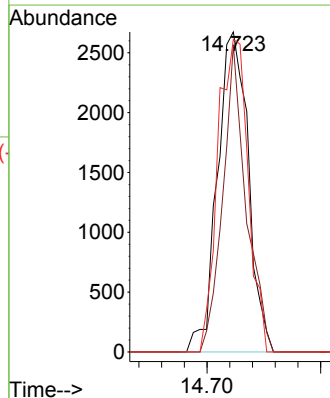
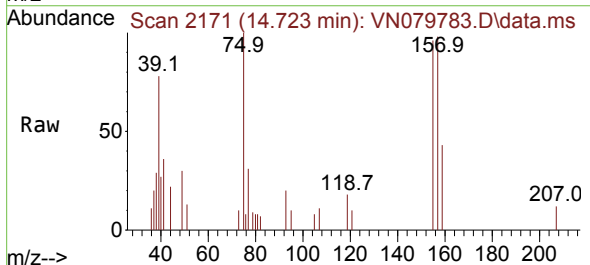
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

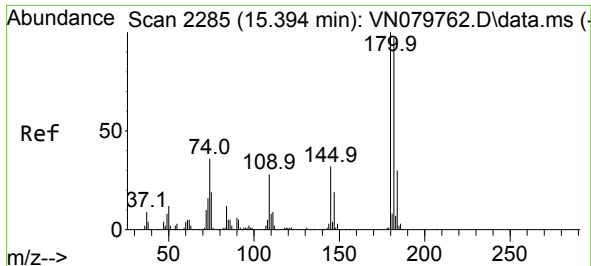
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 32664 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 43.6  | 22.0  | 66.0  |
| 148      | 67.3  | 31.8  | 95.3  |



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 5.617 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5030  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 73.1  | 39.1  | 117.2 |
| 157      | 95.7  | 50.3  | 150.9 |

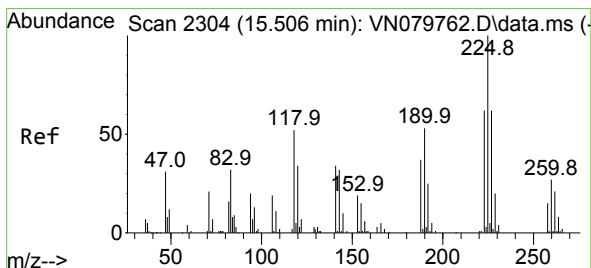
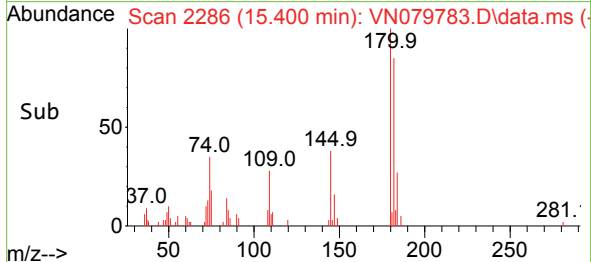
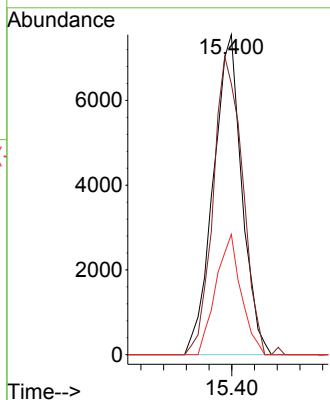
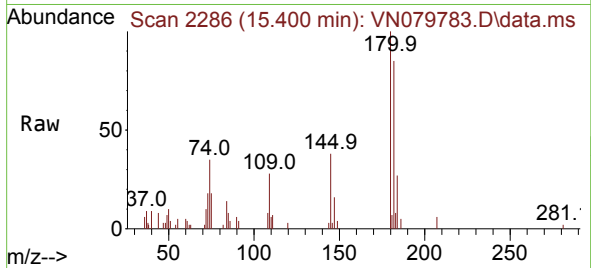




#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.345 ug/l  
 RT: 15.400 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN079783.D  
 Acq: 01 Nov 2023 19:54

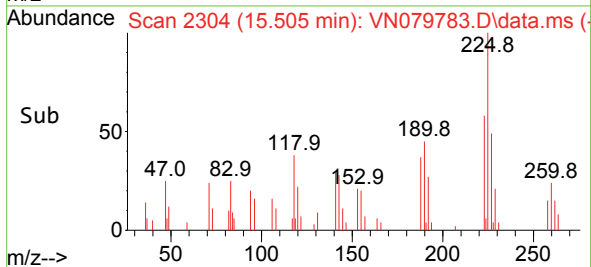
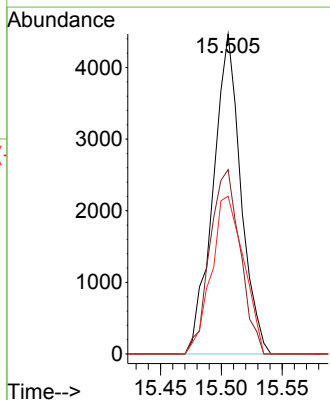
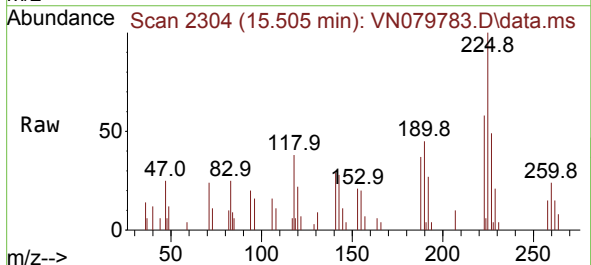
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2023

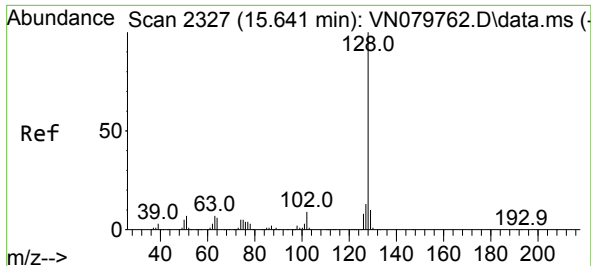
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 13230      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.4  | 46.1 138.2 |
| 145         | 33.1  | 16.6 49.8  |



#94  
 Hexachlorobutadiene  
 Concen: 5.139 ug/l  
 RT: 15.505 min Scan# 2304  
 Delta R.T. 0.000 min  
 Lab File: VN079783.D  
 Acq: 01 Nov 2023 19:54

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 7093      |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 62.8  | 31.3 93.8 |
| 227         | 57.5  | 31.9 95.9 |

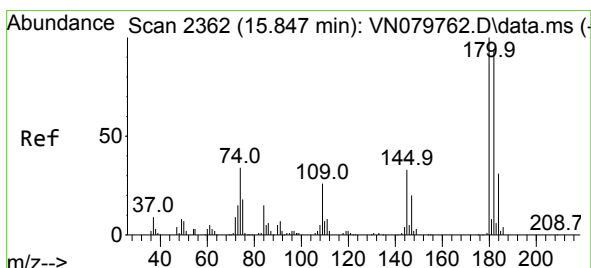
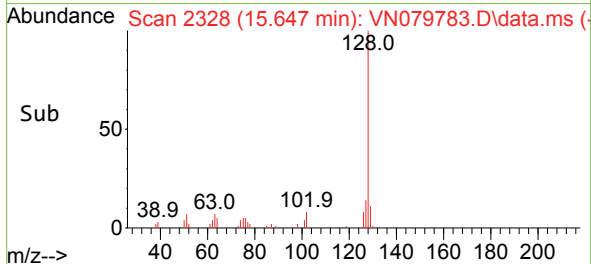
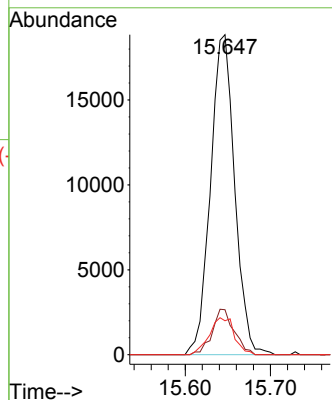
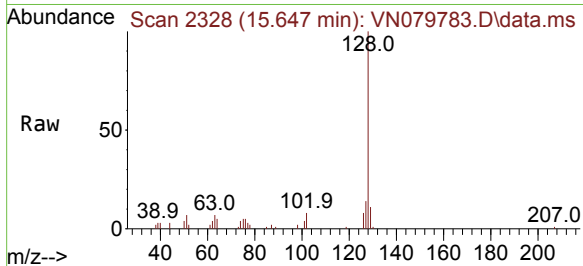




#95  
Naphthalene  
Concen: 3.597 ug/l  
RT: 15.647 min Scan# 2327  
Delta R.T. 0.006 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2023

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.0  | 15.0  |
| 129     | 12.0  | 8.7   | 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 4.468 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. 0.000 min  
Lab File: VN079783.D  
Acq: 01 Nov 2023 19:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 88.5  | 46.2  | 138.6 |
| 145     | 34.7  | 17.5  | 52.6  |

