

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU081722\  
 Data File : VU050361.D  
 Acq On : 17 Aug 2022 18:30  
 Operator : SY/MD  
 Sample : N3980-07 0.25ppb  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2022

Quant Time: Aug 18 07:58:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U081722DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Aug 18 07:58:54 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.096  | 96   | 36154    | 1.000 | ug/l    | #-0.03   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.642 | 95   | 8929     | 0.718 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 72.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.198 | 152  | 10527    | 0.713 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 71.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.385  | 85   | 1894     | 0.134 | ug/l    | 87       |
| 3) Chloromethane             | 1.520  | 50   | 4103m    | 0.241 | ug/l    |          |
| 4) Vinyl Chloride            | 1.604  | 62   | 2400     | 0.156 | ug/l #  | 70       |
| 5) Bromomethane              | 1.858  | 94   | 1660     | 0.250 | ug/l    | 97       |
| 6) Chloroethane              | 1.932  | 64   | 1738     | 0.184 | ug/l    | 90       |
| 7) Trichlorofluoromethane    | 2.138  | 101  | 2795     | 0.155 | ug/l    | 94       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101  | 1555     | 0.159 | ug/l #  | 92       |
| 9) 1,1-Dichloroethene        | 2.584  | 96   | 2033     | 0.201 | ug/l    | 94       |
| 10) Iodomethane              | 2.729  | 142  | 1495     | 0.156 | ug/l    | 94       |
| 11) Allyl Chloride           | 2.932  | 41   | 3587     | 0.216 | ug/l    | 91       |
| 12) Acrylonitrile            | 3.340  | 53   | 1524     | 0.454 | ug/l #  | 85       |
| 13) Acetone                  | 2.655  | 43   | 3691     | 1.275 | ug/l    | 97       |
| 14) Carbon Disulfide         | 2.797  | 76   | 7357     | 0.212 | ug/l    | 96       |
| 15) Methylene Chloride       | 3.054  | 84   | 12935    | 0.630 | ug/l    | 95       |
| 16) trans-1,2-Dichloroethene | 3.359  | 96   | 2344     | 0.209 | ug/l    | 98       |
| 17) 1,1-Dichloroethane       | 3.877  | 63   | 4382     | 0.201 | ug/l #  | 94       |
| 18) 2-Butanone               | 4.758  | 43   | 4140     | 1.162 | ug/l    | 96       |
| 19) Cyclohexane              | 5.353  | 56   | 2729m    | 0.206 | ug/l    |          |
| 20) Methylcyclohexane        | 6.768  | 83   | 1495     | 0.117 | ug/l    | 99       |
| 21) 2,2-Dichloropropane      | 4.658  | 77   | 3582     | 0.221 | ug/l #  | 85       |
| 22) cis-1,2-Dichloroethene   | 4.668  | 96   | 2404     | 0.203 | ug/l    | 90       |
| 23) Diethyl Ether            | 2.382  | 59   | 1883     | 0.192 | ug/l #  | 87       |
| 24) tert-Butyl Alcohol       | 3.266  | 59   | 950m     | 0.750 | ug/l    |          |
| 25) Methyl tert-Butyl Ether  | 3.388  | 73   | 5111     | 0.178 | ug/l    | 94       |
| 26) Bromochloromethane       | 4.977  | 128  | 999      | 0.187 | ug/l    | 89       |
| 27) Chloroform               | 5.086  | 83   | 4624     | 0.214 | ug/l    | 95       |
| 28) 1,1,1-Trichloroethane    | 5.298  | 97   | 3476     | 0.207 | ug/l    | 96       |
| 29) 1,1-Dichloropropene      | 5.494  | 75   | 2944     | 0.223 | ug/l    | 94       |
| 30) Carbon Tetrachloride     | 5.488  | 117  | 2658     | 0.194 | ug/l    | 97       |
| 31) Isopropyl Ether          | 4.025  | 45   | 7230     | 0.222 | ug/l    | 85       |
| 32) Ethyl-t-butyl ether      | 4.527  | 59   | 5634     | 0.215 | ug/l    | 95       |
| 33) Tert-Amyl methyl ether   | 5.951  | 73   | 3614     | 0.199 | ug/l #  | 85       |
| 34) Propionitrile            | 4.842  | 54   | 1334m    | 1.122 | ug/l    |          |
| 35) Benzene                  | 5.745  | 78   | 9041     | 0.209 | ug/l    | 97       |
| 36) 1,2-Dichloroethane       | 5.777  | 62   | 4967     | 0.365 | ug/l #  | 83       |
| 37) Trichloroethene          | 6.539  | 130  | 2268     | 0.215 | ug/l #  | 78       |
| 38) 1,2-Dichloropropane      | 6.816  | 63   | 2259     | 0.188 | ug/l #  | 87       |
| 39) Methacrylonitrile        | 4.999  | 41   | 1458     | 0.382 | ug/l #  | 88       |
| 40) Methyl acrylate          | 4.874  | 55   | 2266     | 0.340 | ug/l #  | 79       |
| 41) Tetrahydrofuran          | 5.092  | 42   | 1769     | 0.824 | ug/l #  | 72       |
| 42) 1-Chlorobutane           | 5.430  | 56   | 4015     | 0.217 | ug/l    | 93       |
| 43) Dibromomethane           | 6.954  | 93   | 1237     | 0.186 | ug/l    | 90       |
| 44) Bromodichloromethane     | 7.137  | 83   | 2852     | 0.187 | ug/l #  | 89       |

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 Sample : N3980-07 0.25ppb  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

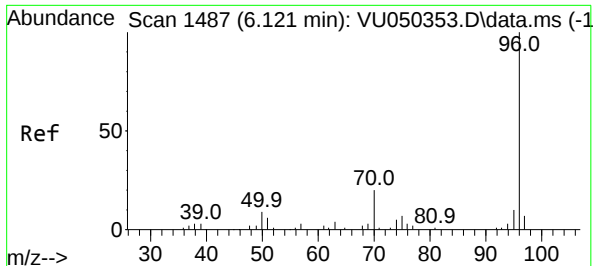
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 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2022

Quant Time: Aug 18 07:58:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U081722DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Aug 18 07:58:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.835  | 43   | 5921     | 0.816 | ug/l   | 94       |
| 46) t-1,4-Dichloro-2-butene   | 10.835 | 75   | 1127m    | 0.471 | ug/l   |          |
| 47) Methyl methacrylate       | 7.006  | 69   | 1516     | 0.284 | ug/l   | 94       |
| 48) Ethyl methacrylate        | 8.359  | 69   | 1158     | 0.124 | ug/l   | 89       |
| 49) Toluene                   | 7.993  | 92   | 3766     | 0.155 | ug/l   | 98       |
| 50) t-1,3-Dichloropropene     | 8.231  | 75   | 1981     | 0.157 | ug/l   | 93       |
| 51) cis-1,3-Dichloropropene   | 7.636  | 75   | 2475     | 0.173 | ug/l # | 81       |
| 52) 1,1,2-Trichloroethane     | 8.420  | 97   | 1816     | 0.183 | ug/l   | 97       |
| 53) 1,3-Dichloropropane       | 8.597  | 76   | 2454     | 0.160 | ug/l   | 97       |
| 54) 2-Hexanone                | 8.716  | 43   | 4527     | 0.917 | ug/l   | 89       |
| 55) Dibromochloromethane      | 8.832  | 129  | 1759     | 0.167 | ug/l   | 100      |
| 56) 1,2-Dibromoethane         | 8.941  | 107  | 1493     | 0.175 | ug/l   | 100      |
| 58) Tetrachloroethene         | 8.571  | 164  | 1843     | 0.186 | ug/l   | 94       |
| 59) Chlorobenzene             | 9.459  | 112  | 4692     | 0.177 | ug/l   | 100      |
| 60) 1,1,1,2-Tetrachloroethane | 9.546  | 131  | 1882     | 0.175 | ug/l   | 92       |
| 61) Pentachloroethane         | 11.430 | 117  | 1618     | 0.184 | ug/l   | 95       |
| 62) Hexachloroethane          | 12.475 | 117  | 1254     | 0.170 | ug/l   | 94       |
| 63) Ethyl Benzene             | 9.581  | 91   | 6336     | 0.153 | ug/l   | 89       |
| 64) m/p-Xylenes               | 9.706  | 106  | 4595     | 0.284 | ug/l   | 89       |
| 65) o-Xylene                  | 10.102 | 106  | 2391     | 0.154 | ug/l   | 87       |
| 66) Styrene                   | 10.124 | 104  | 3498     | 0.135 | ug/l   | 98       |
| 67) Bromoform                 | 10.301 | 173  | 1085     | 0.180 | ug/l # | 78       |
| 69) Isopropylbenzene          | 10.491 | 105  | 5491     | 0.139 | ug/l   | 98       |
| 70) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 2570     | 0.192 | ug/l # | 93       |
| 71) 1,2,3-Trichloropropane    | 10.835 | 75   | 1290m    | 0.135 | ug/l   |          |
| 72) Bromobenzene              | 10.790 | 156  | 1791     | 0.162 | ug/l   | 88       |
| 73) n-propylbenzene           | 10.909 | 120  | 1457     | 0.140 | ug/l # | 64       |
| 74) 2-Chlorotoluene           | 10.996 | 126  | 1354     | 0.132 | ug/l   | 79       |
| 75) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 4570     | 0.132 | ug/l   | 100      |
| 76) 4-Chlorotoluene           | 11.102 | 126  | 1415     | 0.136 | ug/l   | 97       |
| 77) tert-Butylbenzene         | 11.427 | 119  | 5094     | 0.148 | ug/l   | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.472 | 105  | 5134     | 0.141 | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.645 | 105  | 7630     | 0.165 | ug/l   | 99       |
| 80) Nitrobenzene              | 13.217 | 77   | 1381     | 1.670 | ug/l # | 87       |
| 81) p-Isopropyltoluene        | 11.796 | 119  | 5765     | 0.094 | ug/l   | 97       |
| 82) 1,3-Dichlorobenzene       | 11.748 | 146  | 4592     | 0.198 | ug/l   | 96       |
| 83) 1,4-Dichlorobenzene       | 11.841 | 146  | 4850     | 0.204 | ug/l   | 94       |
| 84) n-Butylbenzene            | 12.214 | 91   | 7829     | 0.209 | ug/l   | 93       |
| 85) 1,2-Dichlorobenzene       | 12.218 | 146  | 4424     | 0.192 | ug/l   | 97       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.012 | 75   | 326m     | 0.151 | ug/l   |          |
| 87) 1,2,4-Trichlorobenzene    | 13.844 | 180  | 4910     | 0.333 | ug/l   | 96       |
| 88) Hexachlorobutadiene       | 14.025 | 225  | 2046     | 0.243 | ug/l   | 99       |
| 89) Naphthalene               | 14.092 | 128  | 12454    | 0.431 | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 5411     | 0.365 | ug/l   | 98       |

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

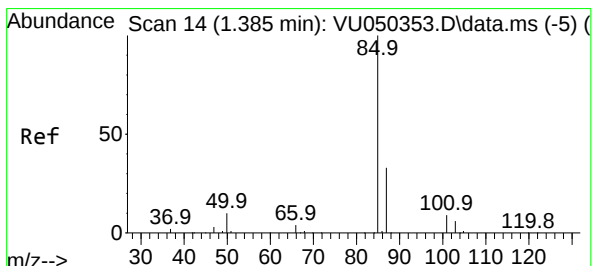
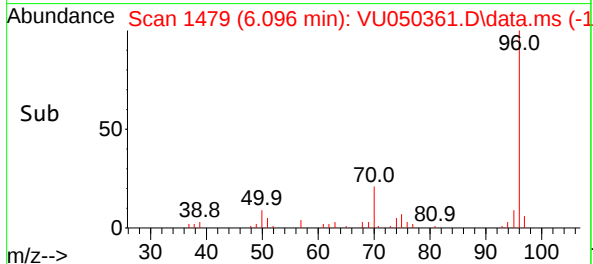
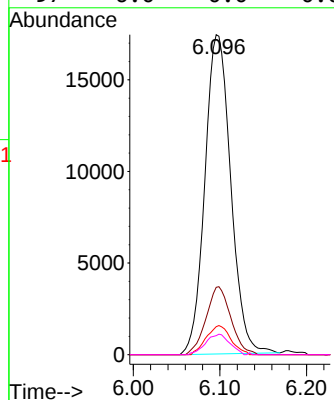
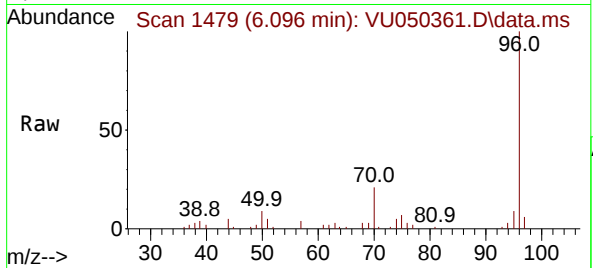




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.096 min Scan# 14  
Delta R.T. -0.025 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

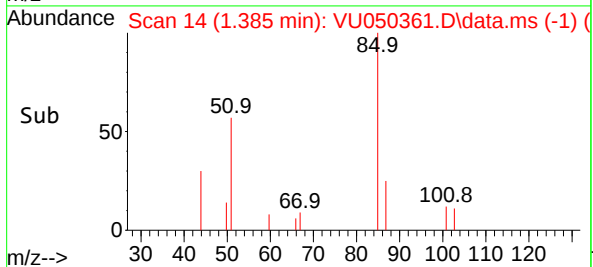
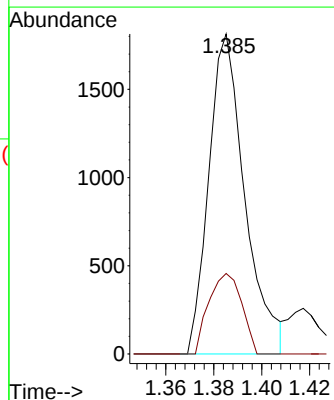
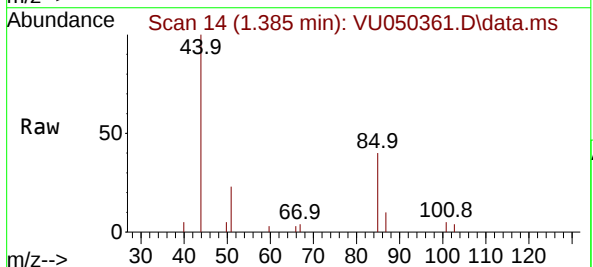
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

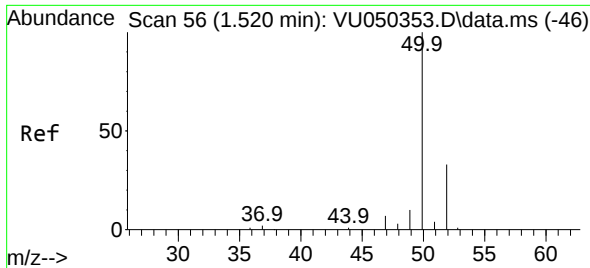
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 36154 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 20.4  | 16.7  | 25.1  |
| 95       | 8.7   | 7.4   | 11.0  |
| 97       | 6.0   | 0.0   | 0.0   |



#2  
Dichlorodifluoromethane  
Concen: 0.134 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 1894  |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 25.2  | 16.3  | 48.8  |

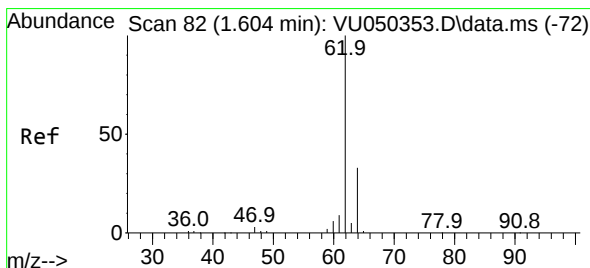
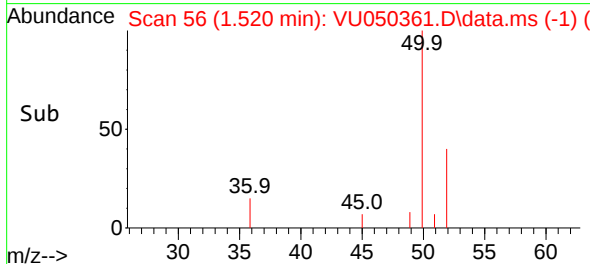
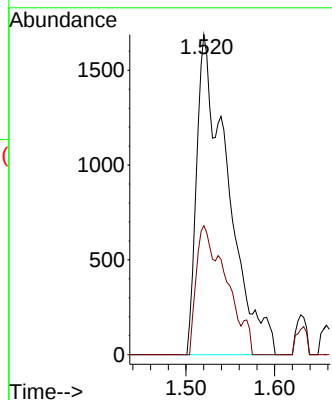
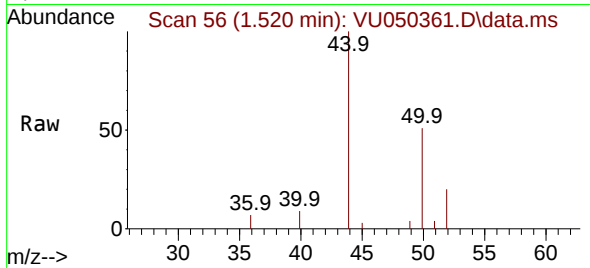




#3  
Chloromethane  
Concen: 0.241 ug/l m  
RT: 1.520 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

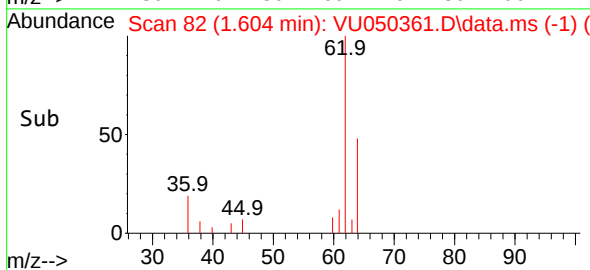
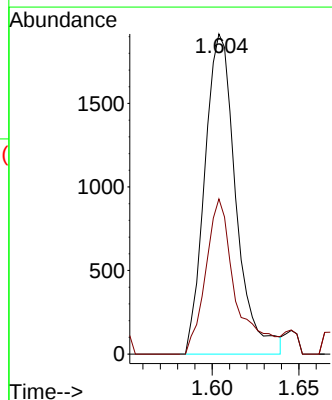
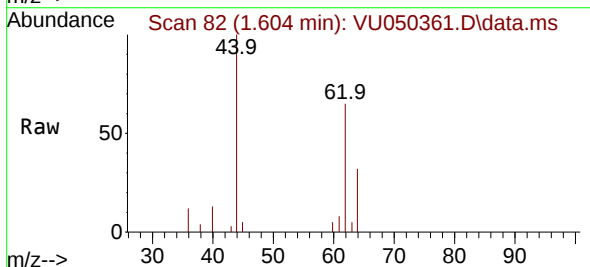
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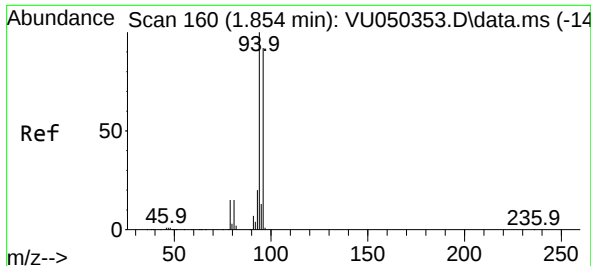
Tgt Ion: 50 Resp: 4103  
Ion Ratio Lower Upper  
50 100  
52 40.3 26.1 39.1#



#4  
Vinyl Chloride  
Concen: 0.156 ug/l  
RT: 1.604 min Scan# 82  
Delta R.T. 0.000 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 62 Resp: 2400  
Ion Ratio Lower Upper  
62 100  
64 48.5 25.5 38.3#

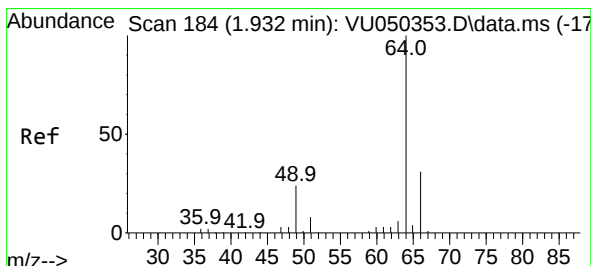
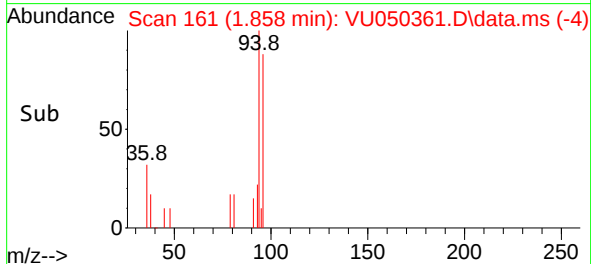
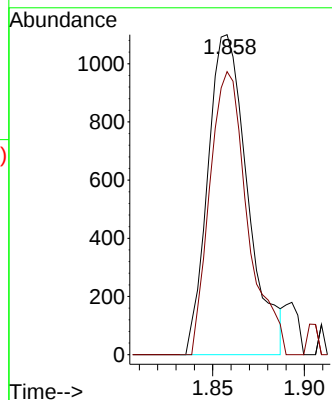
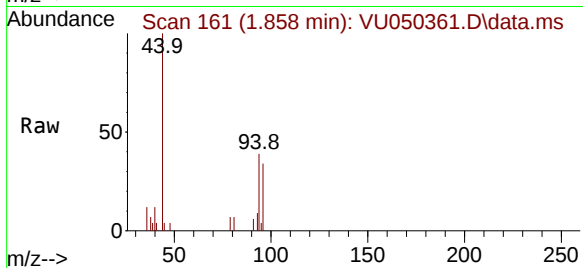




#5  
Bromomethane  
Concen: 0.250 ug/l  
RT: 1.858 min Scan# 161  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

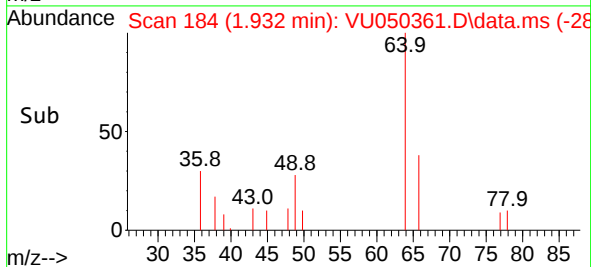
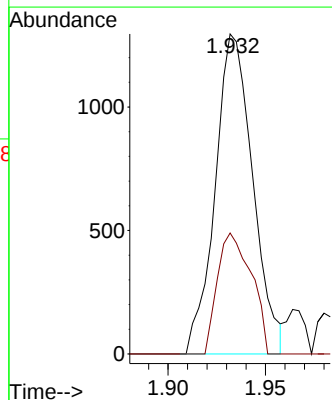
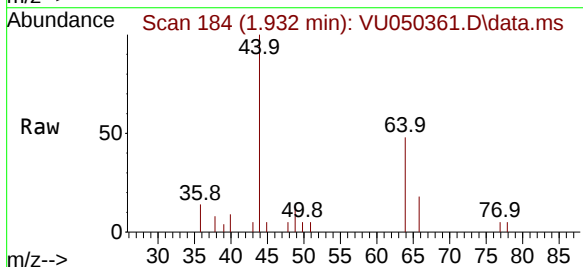
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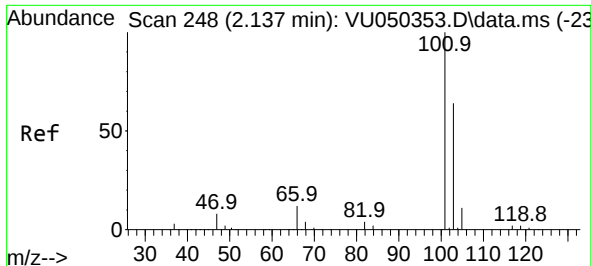
Tgt Ion: 94 Resp: 1660  
Ion Ratio Lower Upper  
94 100  
96 88.5 73.0 109.6



#6  
Chloroethane  
Concen: 0.184 ug/l  
RT: 1.932 min Scan# 184  
Delta R.T. 0.000 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 64 Resp: 1738  
Ion Ratio Lower Upper  
64 100  
66 37.8 25.8 38.6

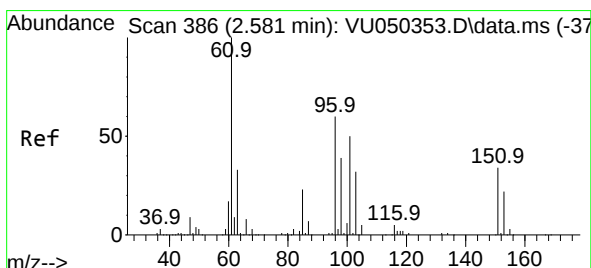
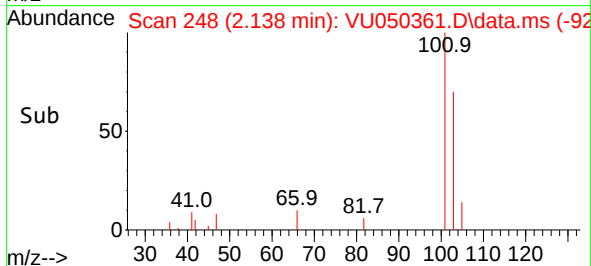
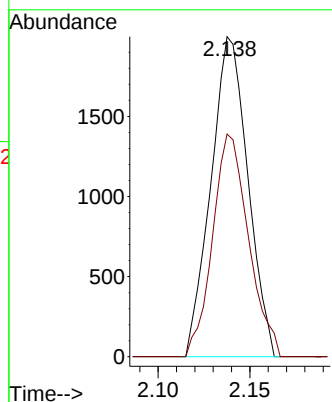
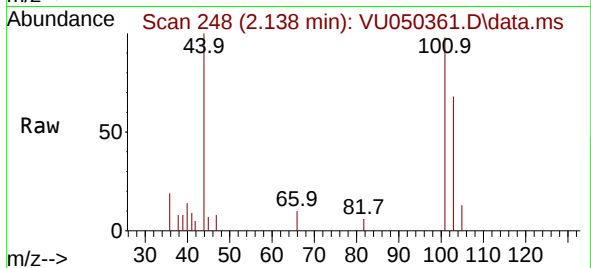




#7  
 Trichlorofluoromethane  
 Concen: 0.155 ug/l  
 RT: 2.138 min Scan# 248  
 Delta R.T. 0.000 min  
 Lab File: VU050361.D  
 Acq: 17 Aug 2022 18:30

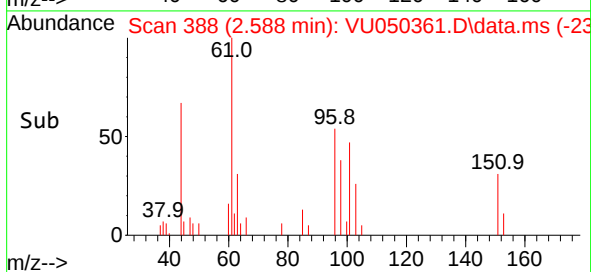
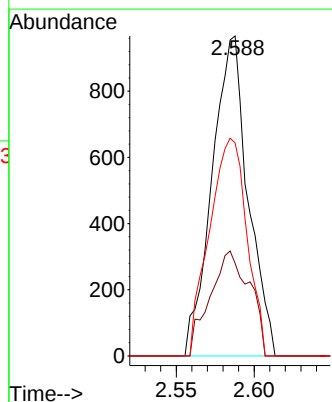
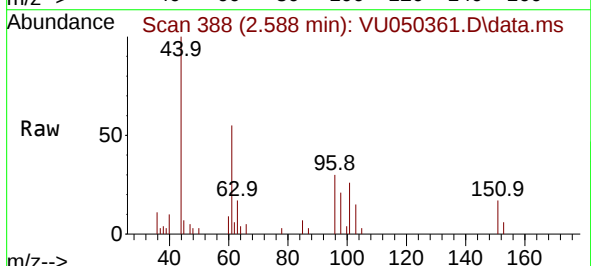
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2022

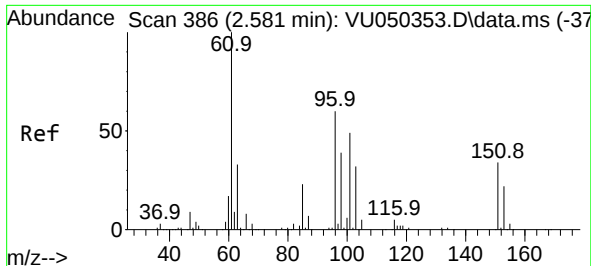
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 Ion Ratio Lower Upper  
 101 100  
 103 69.6 51.8 77.6



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.159 ug/l  
 RT: 2.588 min Scan# 388  
 Delta R.T. 0.007 min  
 Lab File: VU050361.D  
 Acq: 17 Aug 2022 18:30

Tgt Ion:101 Resp: 1555  
 Ion Ratio Lower Upper  
 101 100  
 85 35.9 36.4 54.6#  
 151 70.7 59.1 88.7

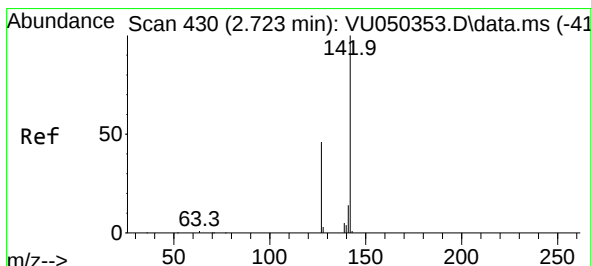
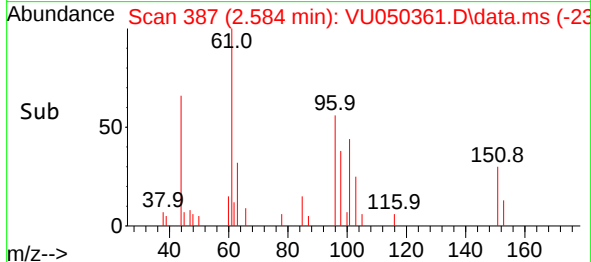
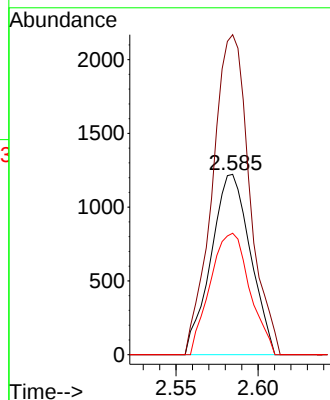
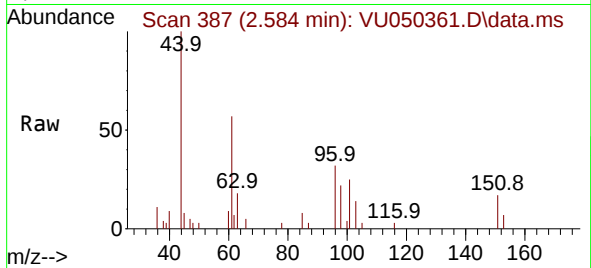




#9  
1,1-Dichloroethene  
Concen: 0.201 ug/l  
RT: 2.584 min Scan# 386  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

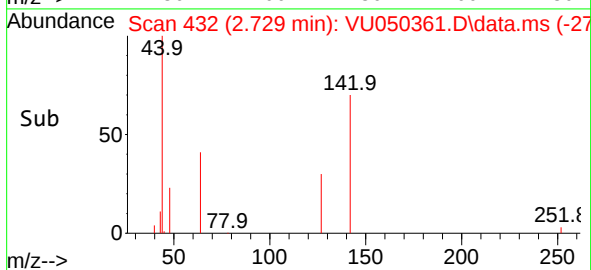
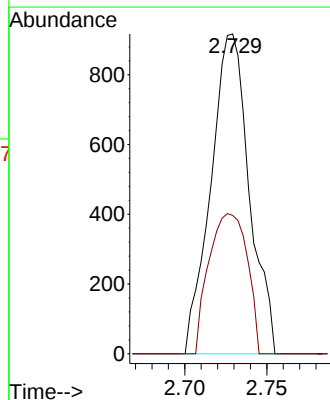
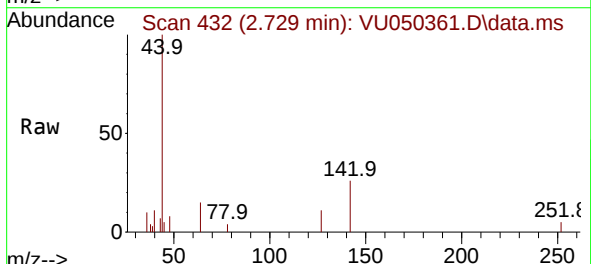
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

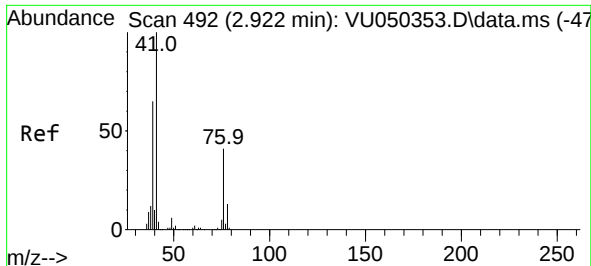
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 2033  |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 177.5    | 0.0 510.6   |
| 98 67.3     | 0.0 124.6   |



#10  
Iodomethane  
Concen: 0.156 ug/l  
RT: 2.729 min Scan# 432  
Delta R.T. 0.007 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

|              |             |
|--------------|-------------|
| Tgt Ion: 142 | Resp: 1495  |
| Ion Ratio    | Lower Upper |
| 142 100      |             |
| 127 43.5     | 38.2 57.2   |

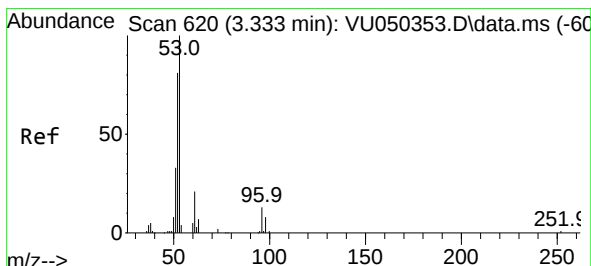
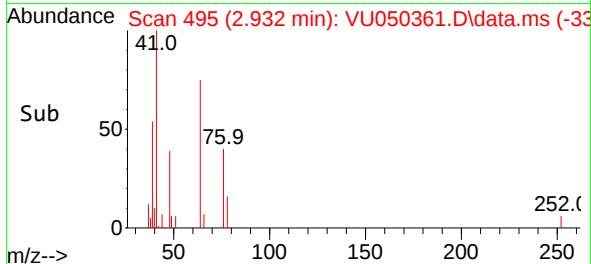
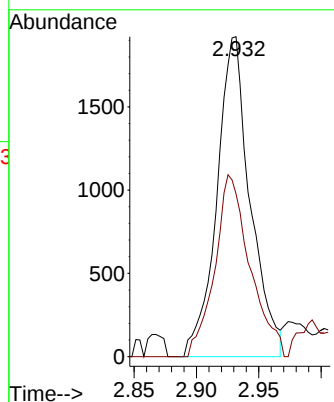
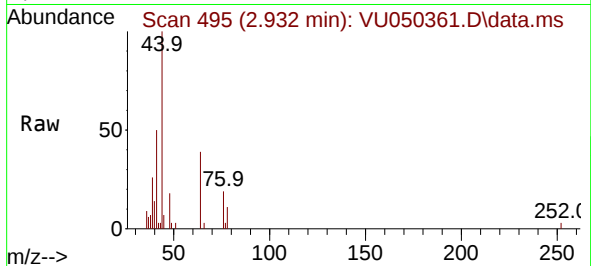




#11  
 Allyl Chloride  
 Concen: 0.216 ug/l  
 RT: 2.932 min Scan# 491  
 Delta R.T. 0.010 min  
 Lab File: VU050361.D  
 Acq: 17 Aug 2022 18:30

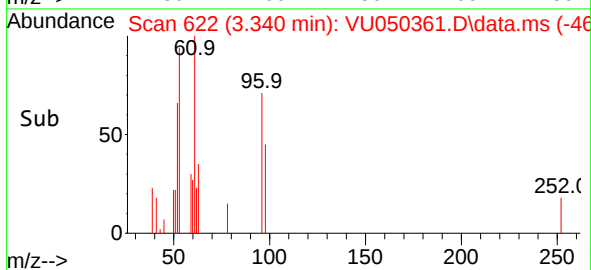
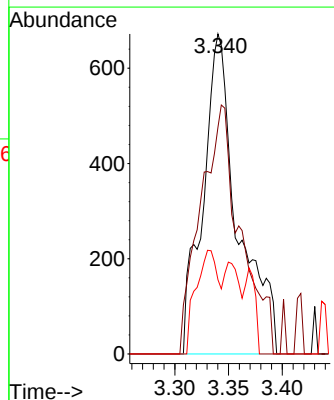
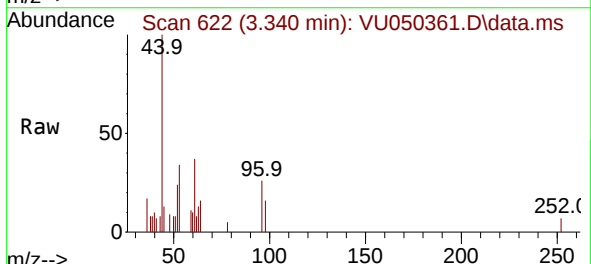
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2022

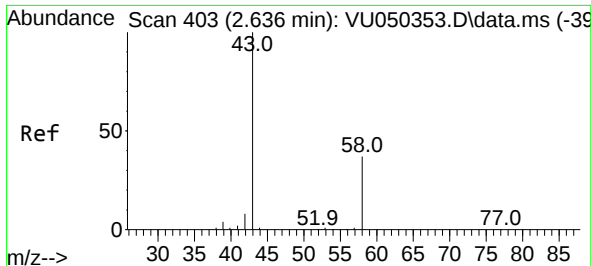
Tgt Ion: 41 Resp: 3587  
 Ion Ratio Lower Upper  
 41 100  
 39 59.7 53.2 79.8



#12  
 Acrylonitrile  
 Concen: 0.454 ug/l  
 RT: 3.340 min Scan# 622  
 Delta R.T. 0.007 min  
 Lab File: VU050361.D  
 Acq: 17 Aug 2022 18:30

Tgt Ion: 53 Resp: 1524  
 Ion Ratio Lower Upper  
 53 100  
 52 88.7 64.6 97.0  
 51 21.1 30.7 46.1#





#13

Acetone

Concen: 1.275 ug/l

RT: 2.655 min Scan# 409

Delta R.T. 0.019 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Instrument :

MSVOA\_U

ClientSampleId :

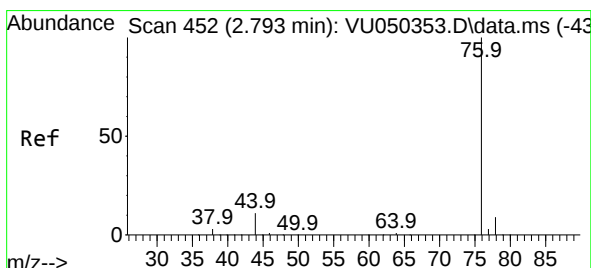
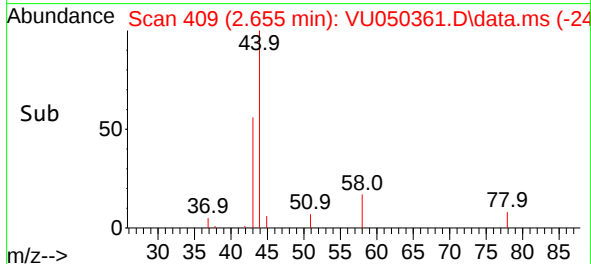
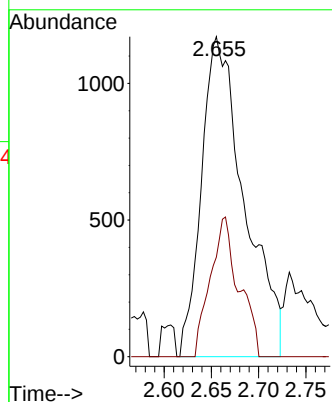
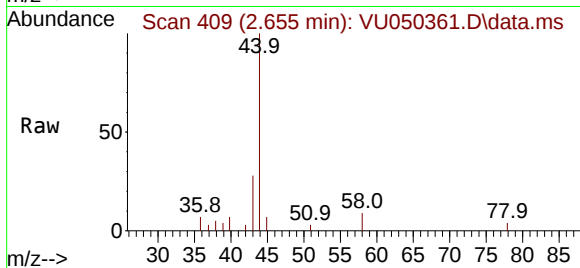
LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 43 Resp: 3691

Ion Ratio Lower Upper

43 100

58 31.1 26.2 39.2



#14

Carbon Disulfide

Concen: 0.212 ug/l

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU050361.D

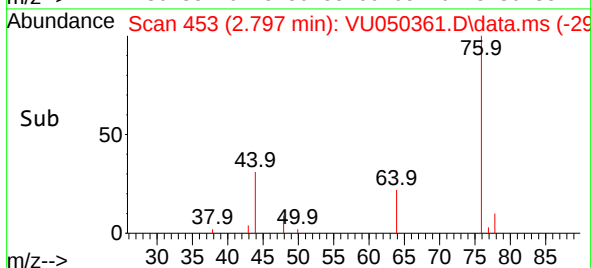
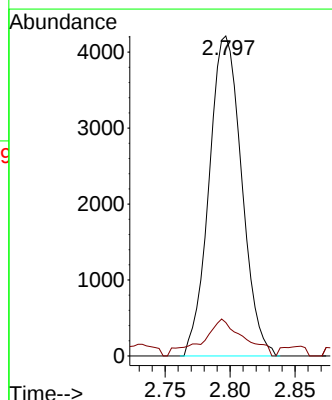
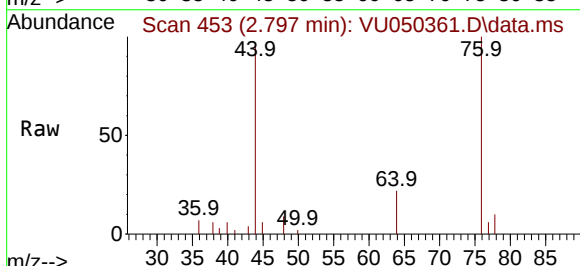
Acq: 17 Aug 2022 18:30

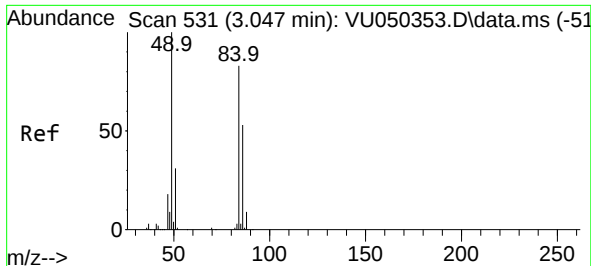
Tgt Ion: 76 Resp: 7357

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.0

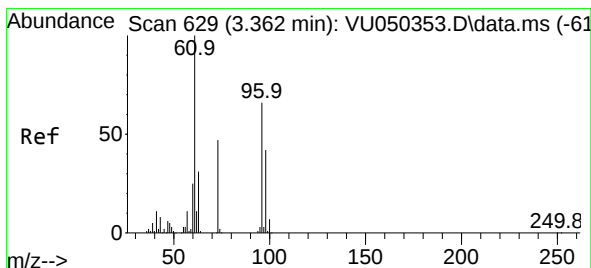
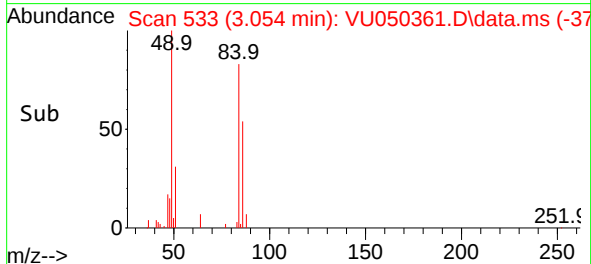
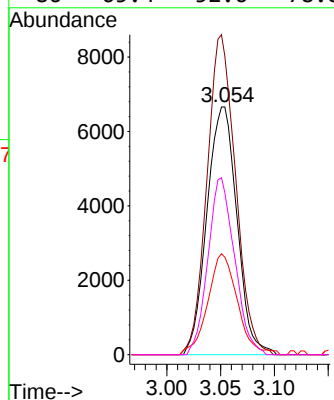
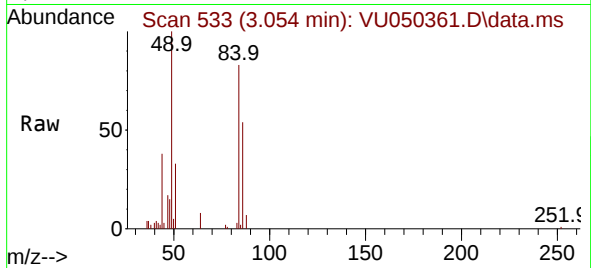




#15  
Methylene Chloride  
Concen: 0.630 ug/l  
RT: 3.054 min Scan# 511  
Delta R.T. 0.007 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

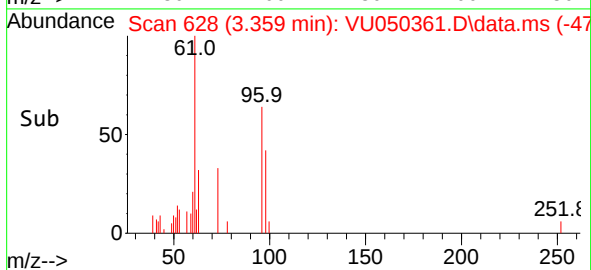
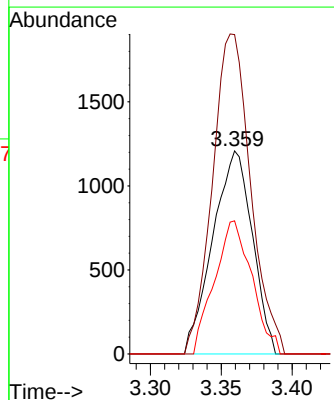
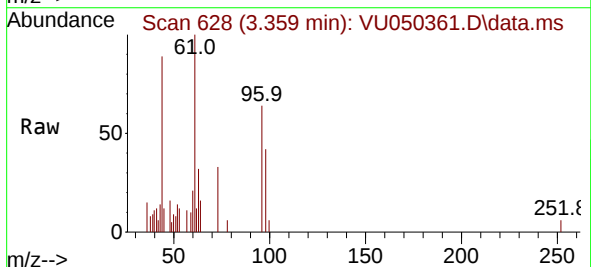
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

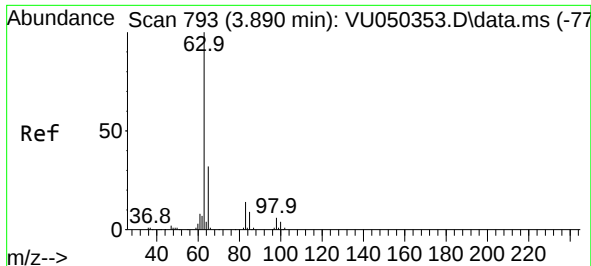
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 12935 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 120.5 | 104.6 | 157.0 |
| 51       | 39.3  | 0.0   | 81.4  |
| 86       | 65.4  | 52.6  | 78.8  |



#16  
trans-1,2-Dichloroethene  
Concen: 0.209 ug/l  
RT: 3.359 min Scan# 628  
Delta R.T. -0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 2344  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 157.3 | 123.4 | 185.0 |
| 98       | 65.6  | 51.6  | 77.4  |





#17

1,1-Dichloroethane

Concen: 0.201 ug/l

RT: 3.877 min Scan# 71

Delta R.T. -0.013 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2022

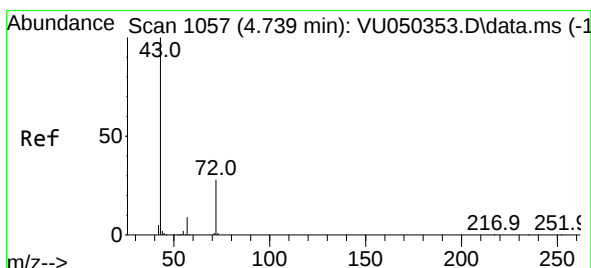
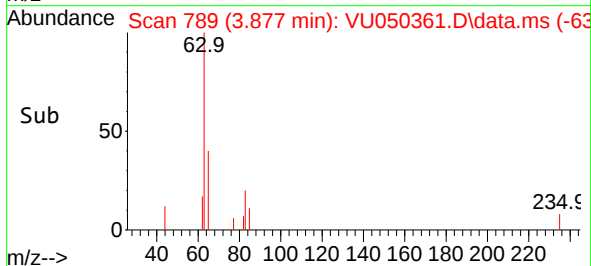
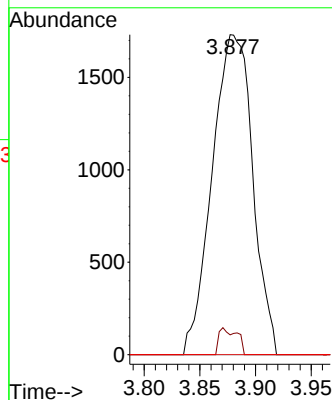
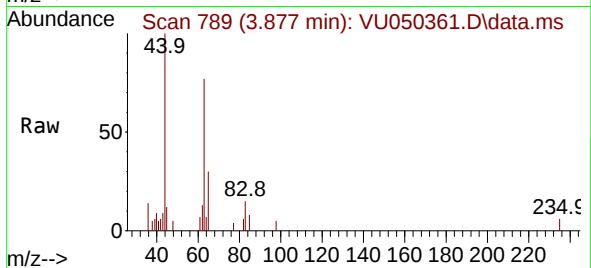
Tgt Ion: 63 Resp: 4382

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

100 0.0 2.0 6.0#



#18

2-Butanone

Concen: 1.162 ug/l

RT: 4.758 min Scan# 1063

Delta R.T. 0.019 min

Lab File: VU050361.D

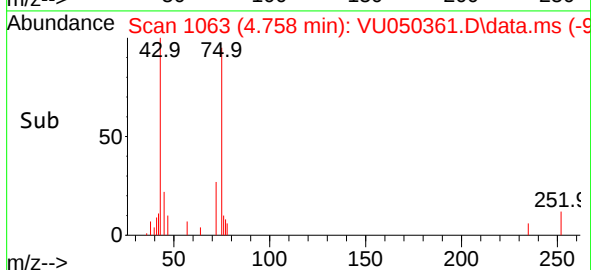
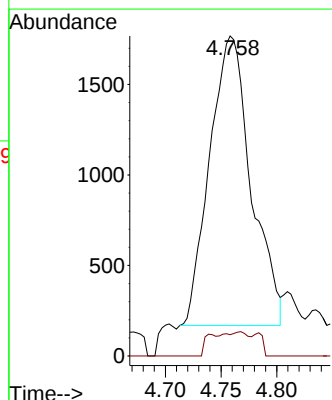
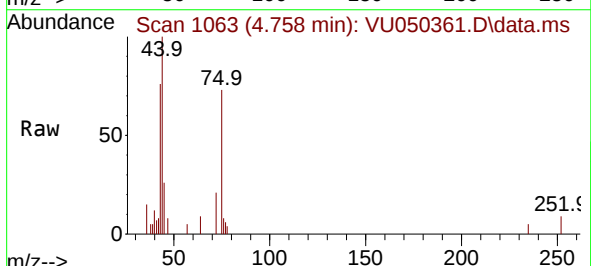
Acq: 17 Aug 2022 18:30

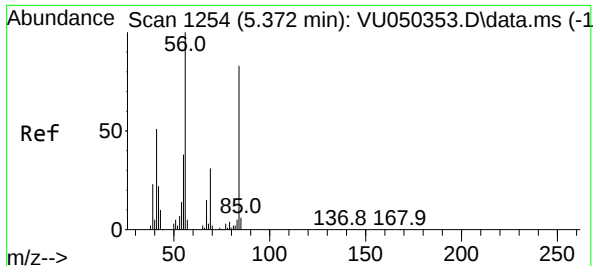
Tgt Ion: 43 Resp: 4140

Ion Ratio Lower Upper

43 100

57 7.4 0.0 18.0





#19

Cyclohexane

Concen: 0.206 ug/l m

RT: 5.353 min Scan# 1

Delta R.T. -0.019 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2022

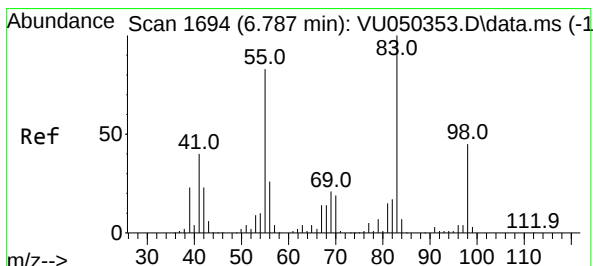
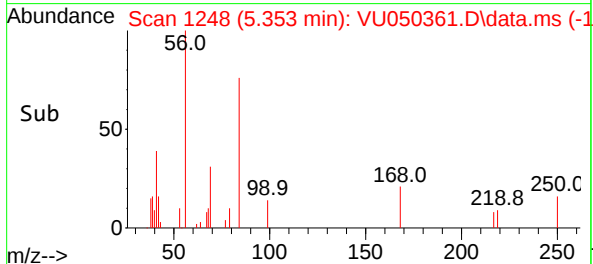
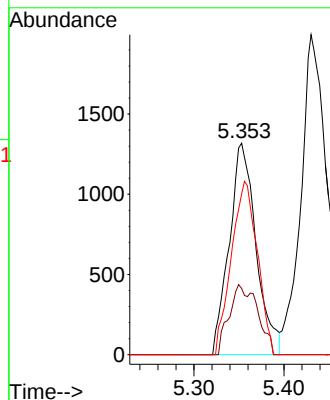
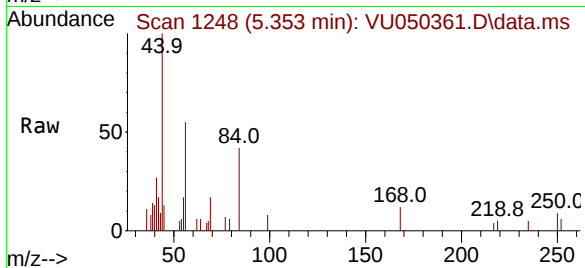
Tgt Ion: 56 Resp: 2729

Ion Ratio Lower Upper

56 100

69 21.8 24.2 36.4#

84 79.3 63.4 95.2



#20

Methylcyclohexane

Concen: 0.117 ug/l

RT: 6.768 min Scan# 1688

Delta R.T. -0.019 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

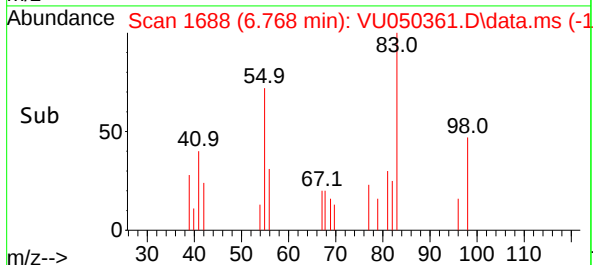
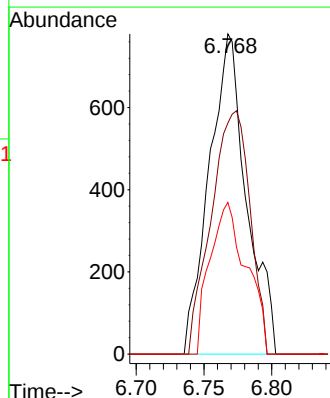
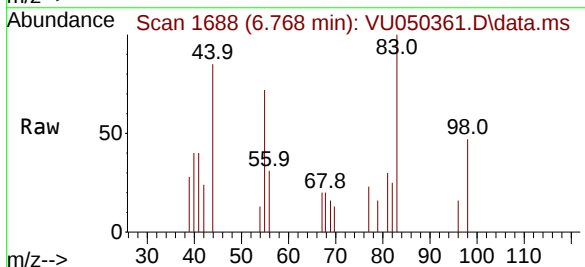
Tgt Ion: 83 Resp: 1495

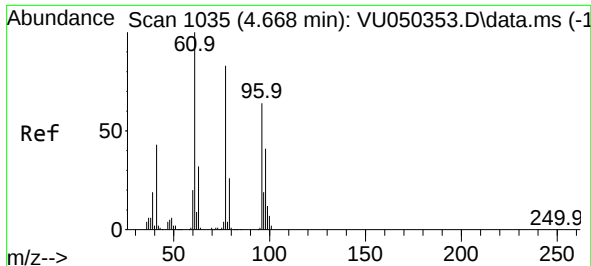
Ion Ratio Lower Upper

83 100

55 79.0 63.0 94.4

98 46.2 35.7 53.5





#21

2,2-Dichloropropane

Concen: 0.221 ug/l

RT: 4.658 min Scan# 1032

Delta R.T. -0.009 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Instrument :

MSVOA\_U

ClientSampleId :

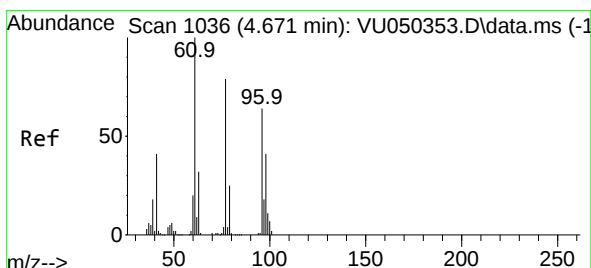
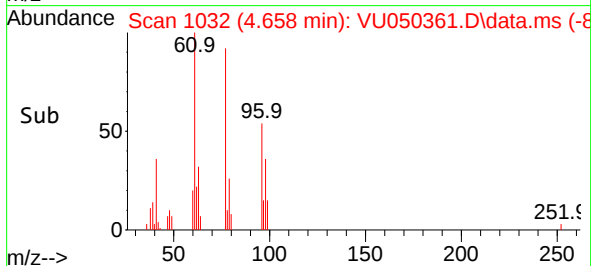
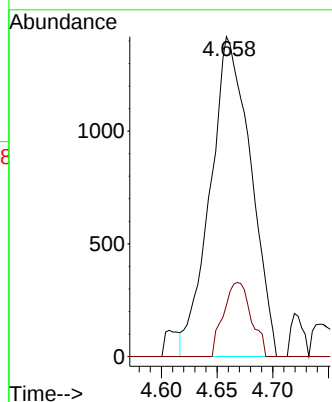
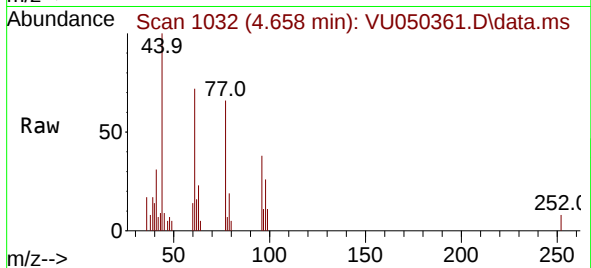
LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 77 Resp: 3582

Ion Ratio Lower Upper

77 100

97 15.9 18.5 27.7#



#22

cis-1,2-Dichloroethene

Concen: 0.203 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

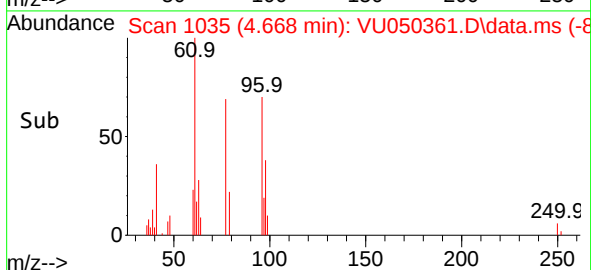
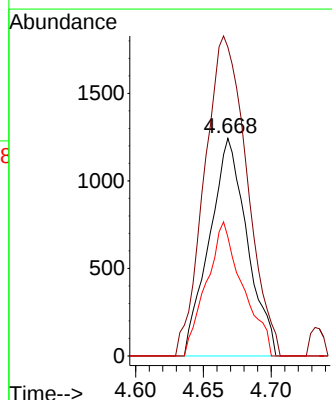
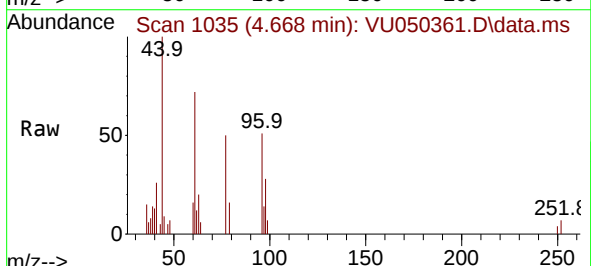
Tgt Ion: 96 Resp: 2404

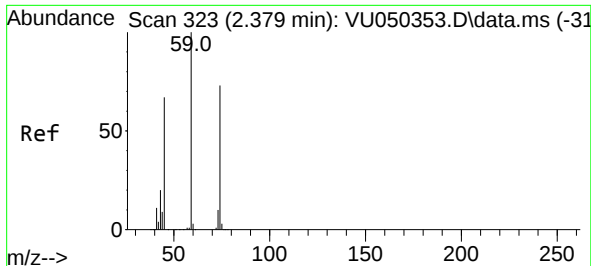
Ion Ratio Lower Upper

96 100

61 165.4 0.0 375.8

98 59.2 31.6 95.0

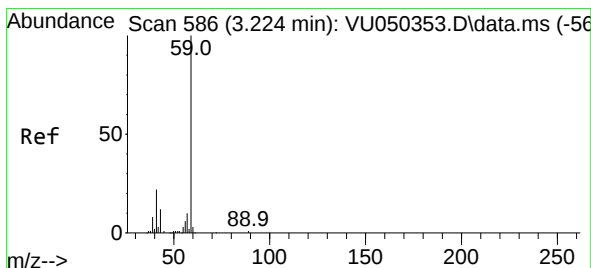
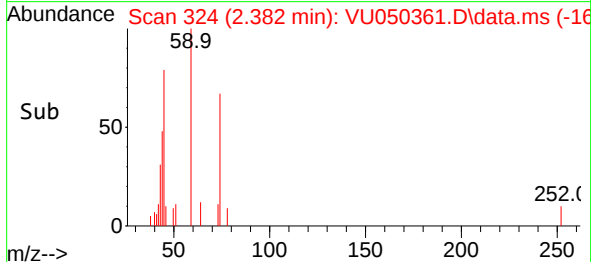
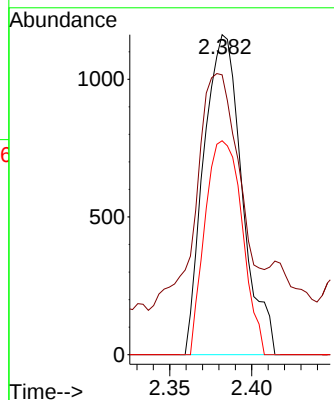
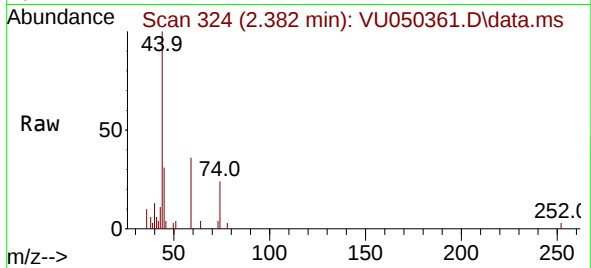




#23  
Diethyl Ether  
Concen: 0.192 ug/l  
RT: 2.382 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

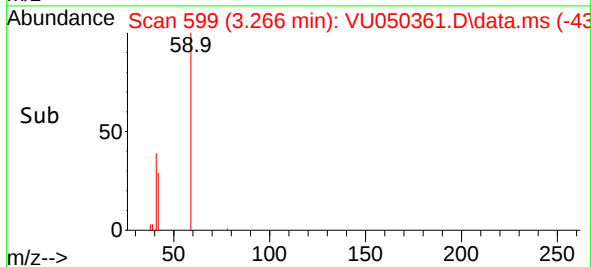
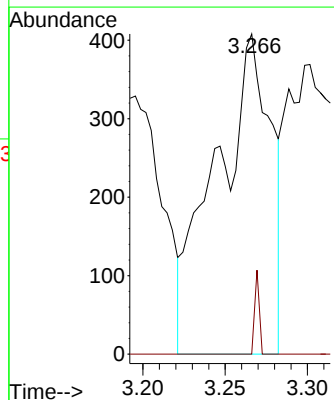
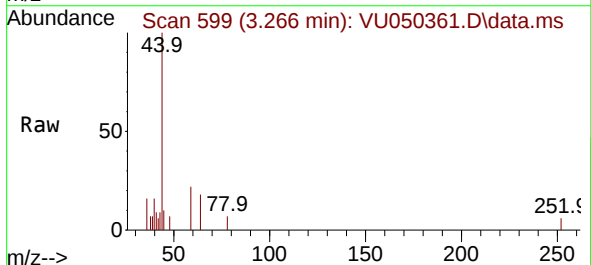
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

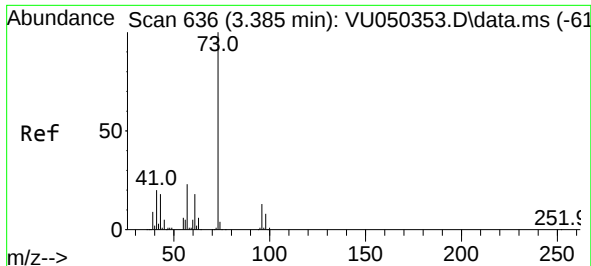
Tgt Ion: 59 Resp: 1883  
Ion Ratio Lower Upper  
59 100  
45 84.0 56.0 84.0#  
74 64.9 57.6 86.4



#24  
tert-Butyl Alcohol  
Concen: 0.750 ug/l m  
RT: 3.266 min Scan# 599  
Delta R.T. 0.042 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 59 Resp: 950  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#

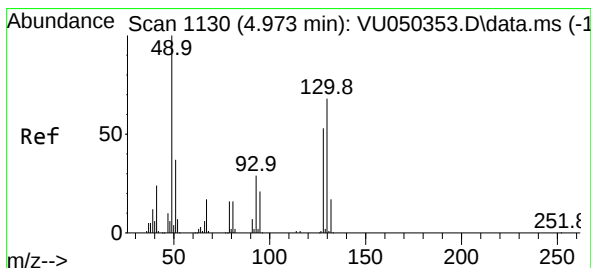
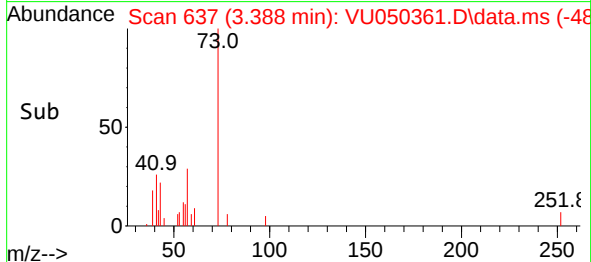
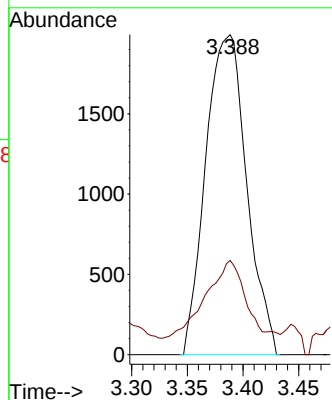
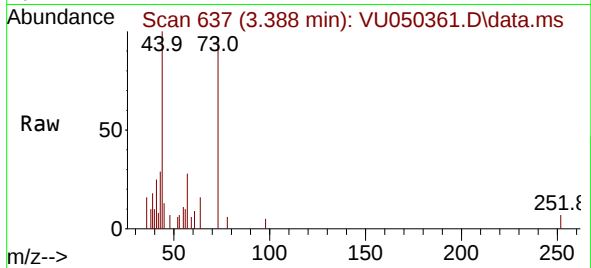




#25  
Methyl tert-Butyl Ether  
Concen: 0.178 ug/l  
RT: 3.388 min Scan# 611  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

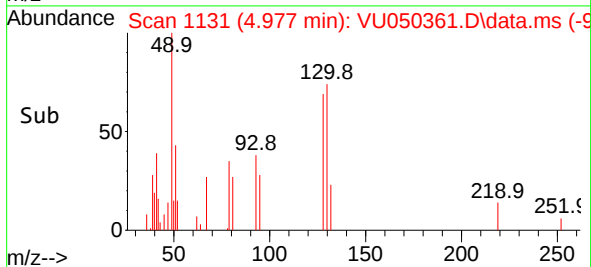
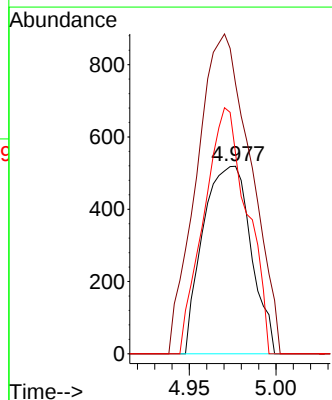
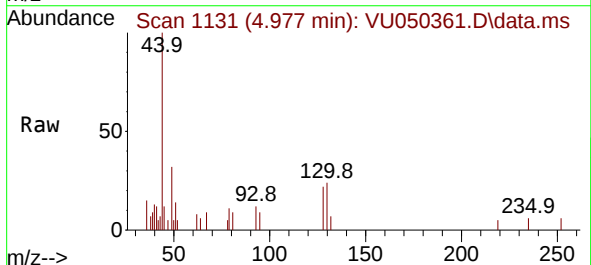
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

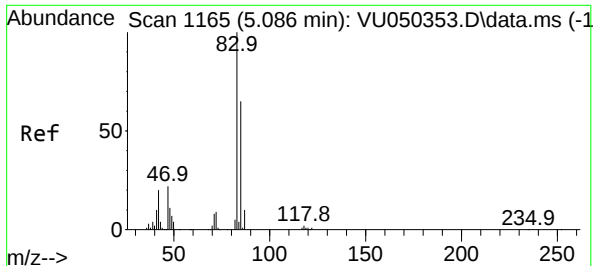
Tgt Ion: 73 Resp: 5111  
Ion Ratio Lower Upper  
73 100  
43 22.6 15.9 23.9



#26  
Bromochloromethane  
Concen: 0.187 ug/l  
RT: 4.977 min Scan# 1131  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 128 Resp: 999  
Ion Ratio Lower Upper  
128 100  
49 191.7 0.0 349.2  
130 118.4 103.0 154.6





#27

Chloroform

Concen: 0.214 ug/l

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Instrument :

MSVOA\_U

ClientSampleId :

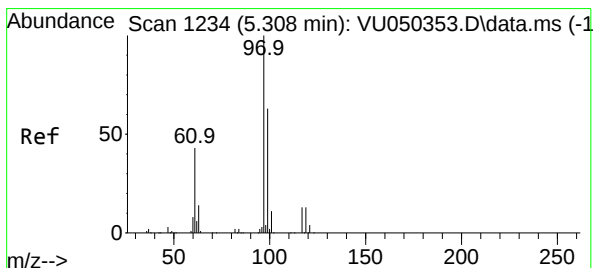
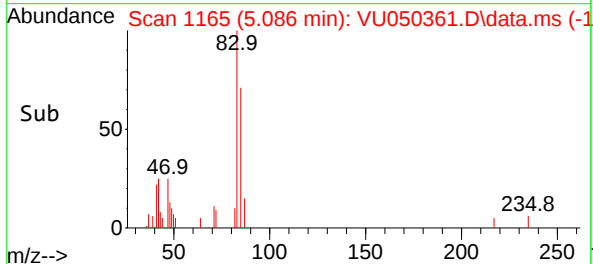
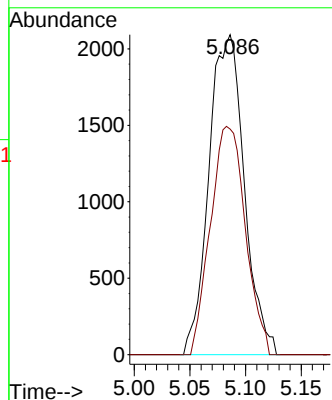
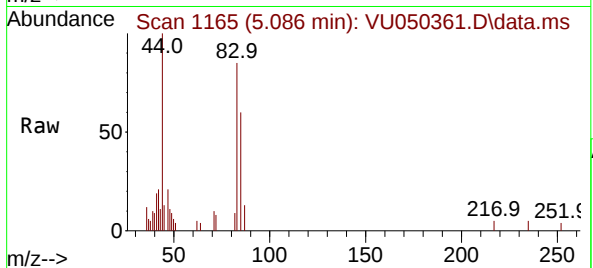
LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 83 Resp: 4624

Ion Ratio Lower Upper

83 100

85 70.5 0.0 133.6



#28

1,1,1-Trichloroethane

Concen: 0.207 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. -0.009 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

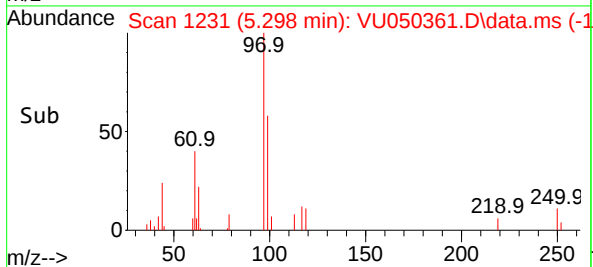
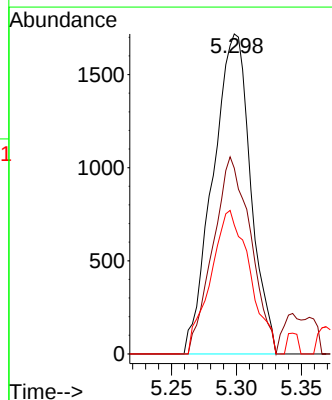
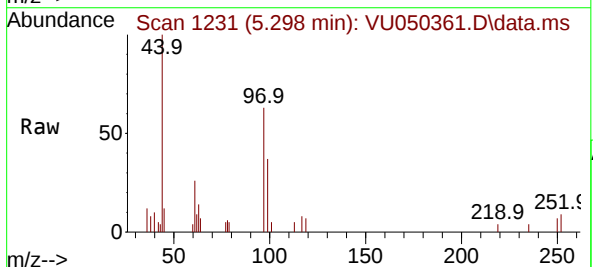
Tgt Ion: 97 Resp: 3476

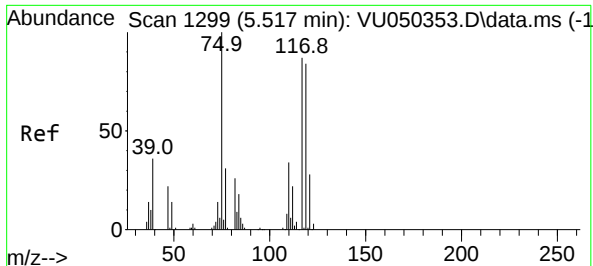
Ion Ratio Lower Upper

97 100

99 61.2 32.1 96.5

61 46.5 21.8 65.4

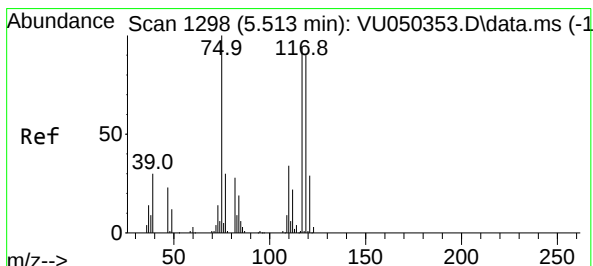
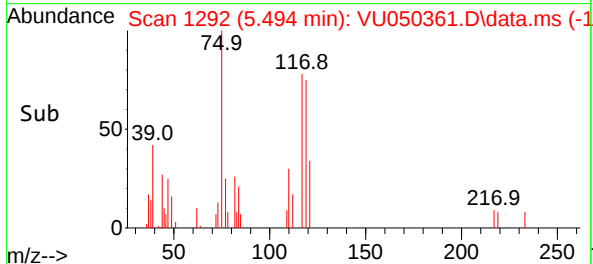
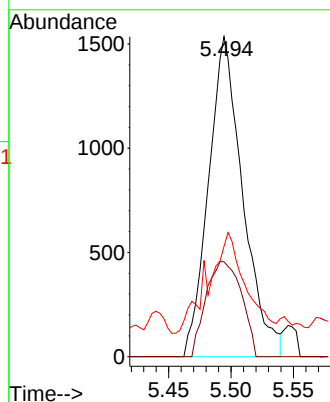
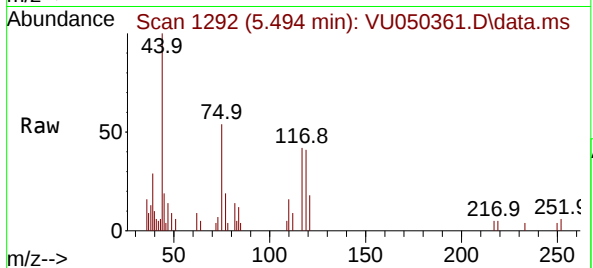




#29  
1,1-Dichloropropene  
Concen: 0.223 ug/l  
RT: 5.494 min Scan# 1299  
Delta R.T. -0.022 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

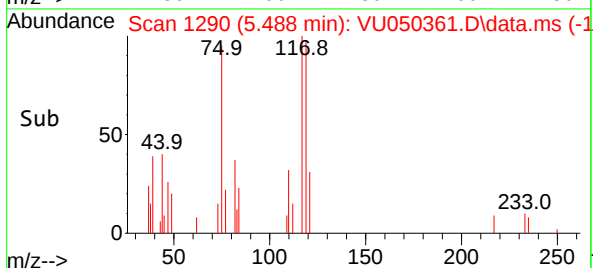
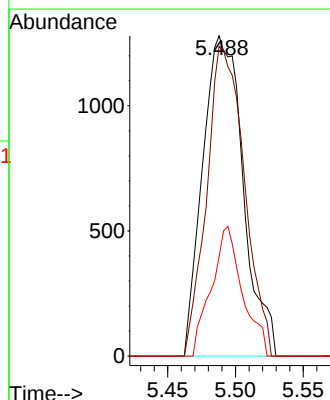
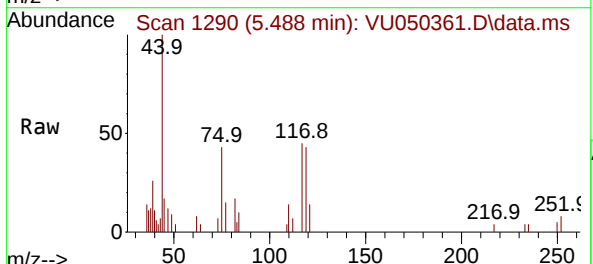
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT3-2022

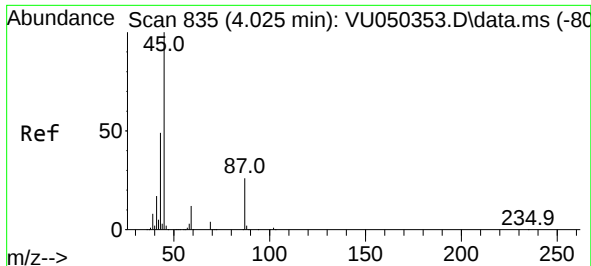
Tgt Ion: 75 Resp: 2944  
Ion Ratio Lower Upper  
75 100  
110 30.6 17.3 52.0  
77 33.9 24.6 37.0



#30  
Carbon Tetrachloride  
Concen: 0.194 ug/l  
RT: 5.488 min Scan# 1290  
Delta R.T. -0.025 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 117 Resp: 2658  
Ion Ratio Lower Upper  
117 100  
119 96.7 74.6 112.0  
121 31.0 24.2 36.4

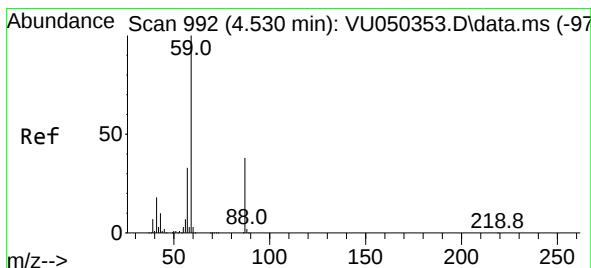
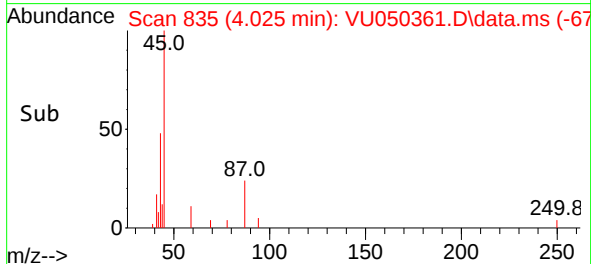
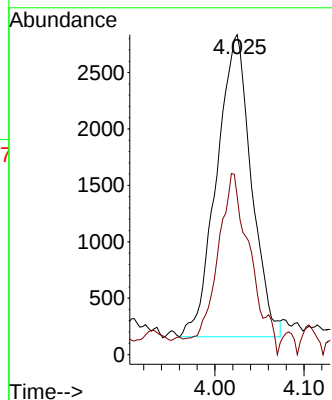
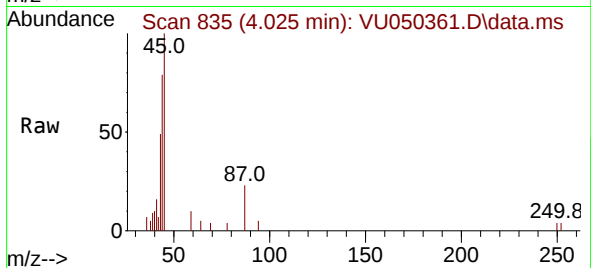




#31  
Isopropyl Ether  
Concen: 0.222 ug/l  
RT: 4.025 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

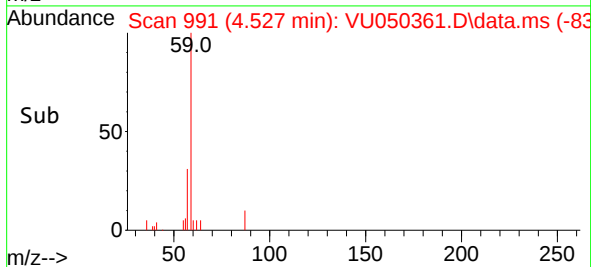
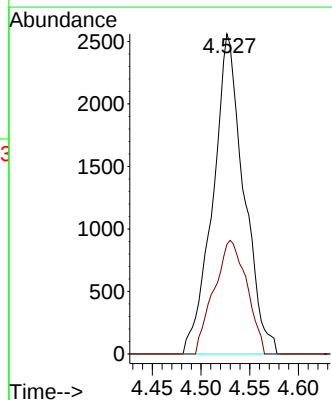
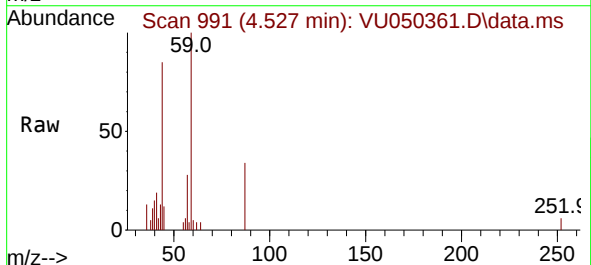
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

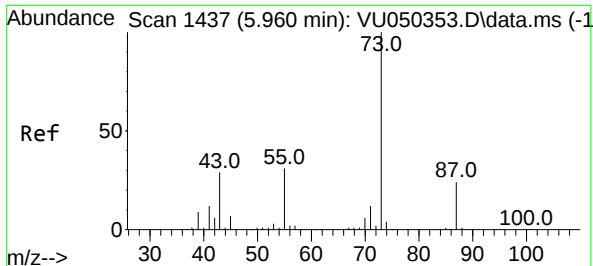
Tgt Ion: 45 Resp: 7230  
Ion Ratio Lower Upper  
45 100  
43 57.8 23.8 71.2



#32  
Ethyl-t-butyl ether  
Concen: 0.215 ug/l  
RT: 4.527 min Scan# 991  
Delta R.T. -0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 59 Resp: 5634  
Ion Ratio Lower Upper  
59 100  
87 37.7 32.5 48.7

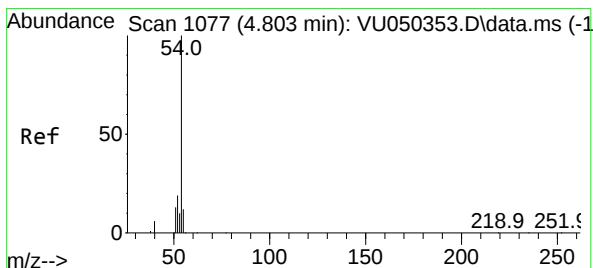
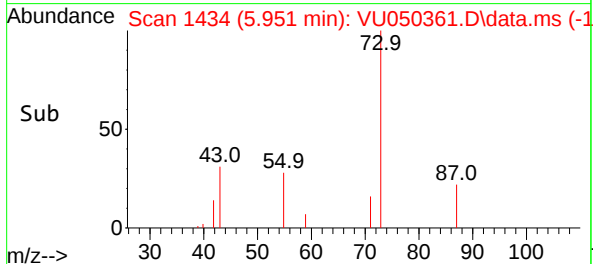
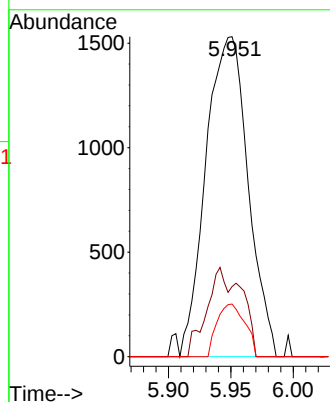
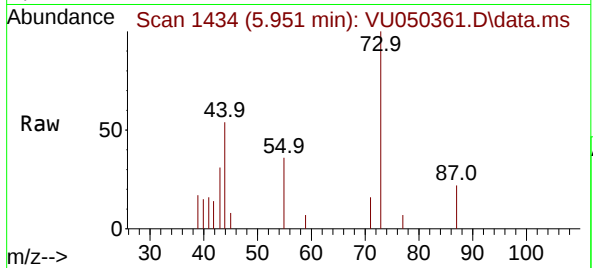




#33  
Tert-Amyl methyl ether  
Concen: 0.199 ug/l  
RT: 5.951 min Scan# 1437  
Delta R.T. -0.009 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

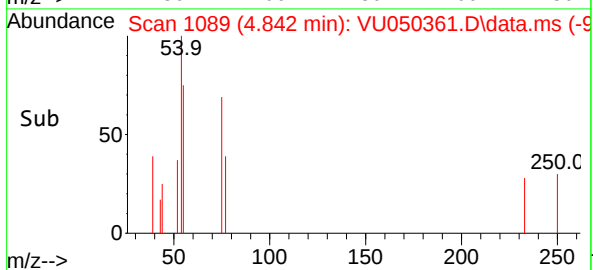
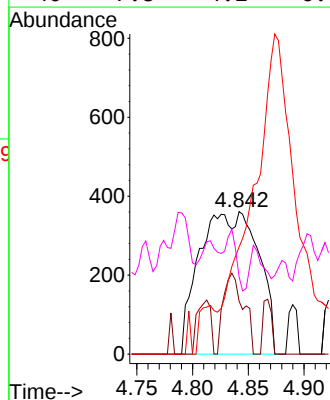
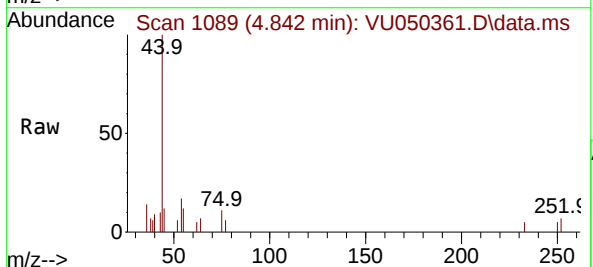
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

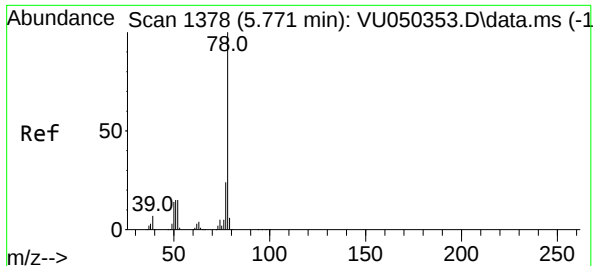
Tgt Ion: 73 Resp: 3614  
Ion Ratio Lower Upper  
73 100  
87 13.7 19.7 29.5#  
71 10.8 9.0 13.4



#34  
Propionitrile  
Concen: 1.122 ug/l m  
RT: 4.842 min Scan# 1089  
Delta R.T. 0.039 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 54 Resp: 1334  
Ion Ratio Lower Upper  
54 100  
52 19.3 15.0 22.6  
55 0.0 12.6 19.0#  
40 7.8 4.2 6.4#

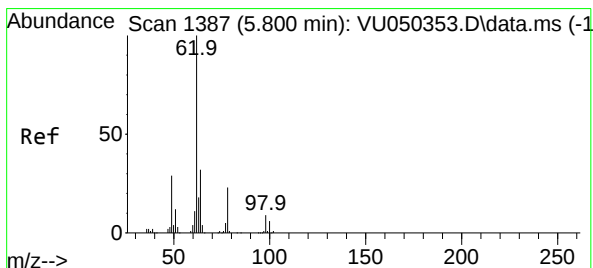
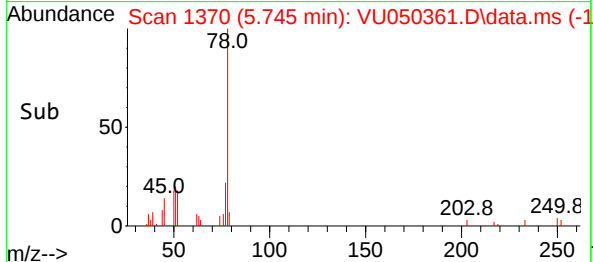
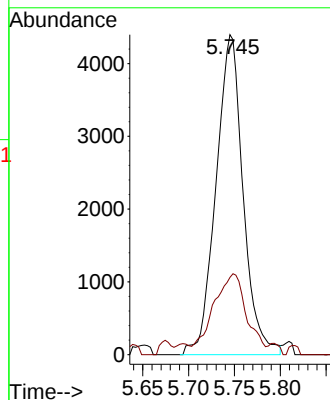
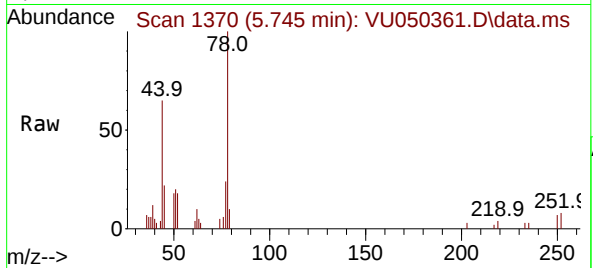




#35  
Benzene  
Concen: 0.209 ug/l  
RT: 5.745 min Scan# 11  
Delta R.T. -0.026 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

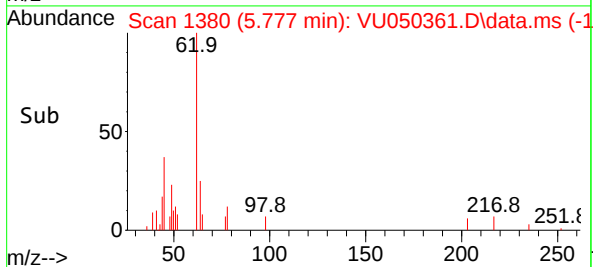
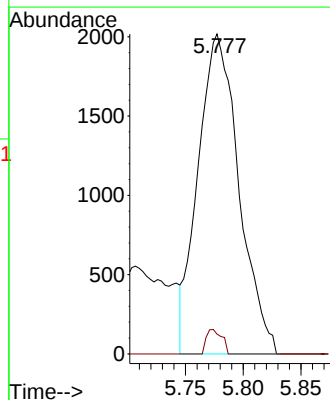
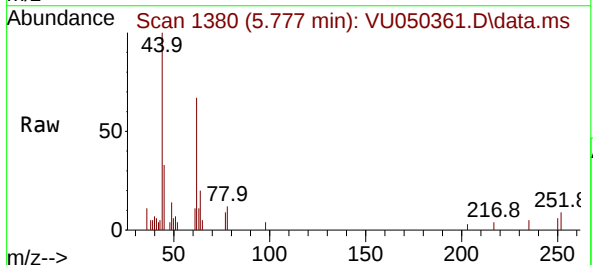
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

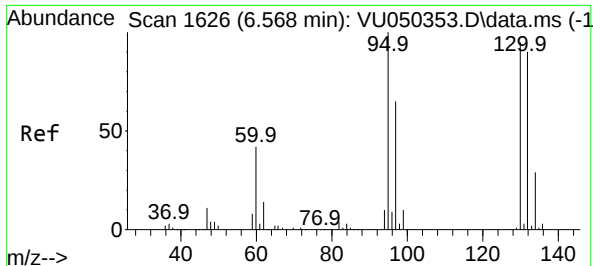
Tgt Ion: 78 Resp: 9041  
Ion Ratio Lower Upper  
78 100  
77 21.8 18.6 28.0



#36  
1,2-Dichloroethane  
Concen: 0.365 ug/l  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.022 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 62 Resp: 4967  
Ion Ratio Lower Upper  
62 100  
98 2.9 7.4 11.0#





#37

Trichloroethene

Concen: 0.215 ug/l

RT: 6.539 min Scan# 1

Delta R.T. -0.029 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Instrument :

MSVOA\_U

ClientSampleId :

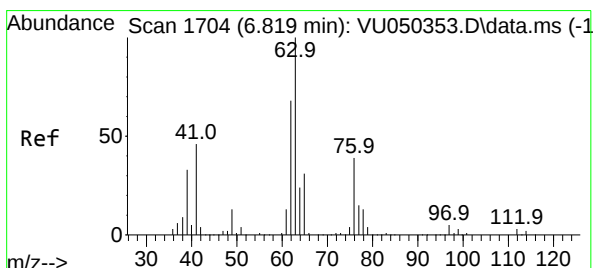
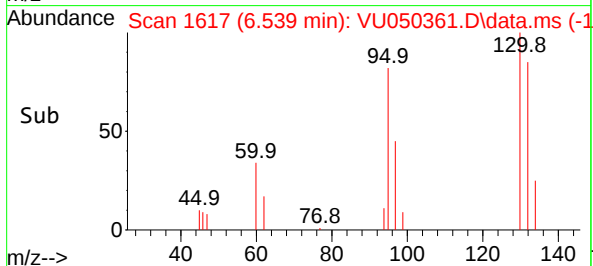
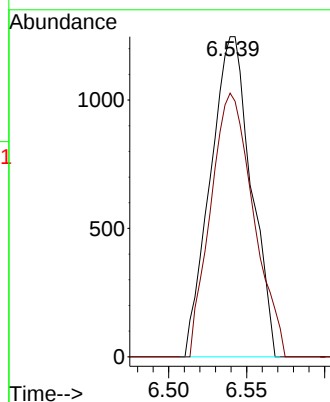
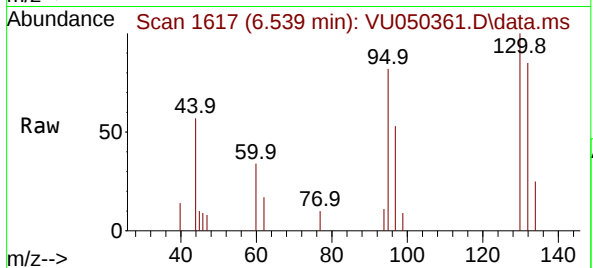
LOD-MDL-WATER-01-QT3-2022

Tgt Ion:130 Resp: 2268

Ion Ratio Lower Upper

130 100

95 82.4 83.8 125.8#



#38

1,2-Dichloropropane

Concen: 0.188 ug/l

RT: 6.816 min Scan# 1703

Delta R.T. -0.003 min

Lab File: VU050361.D

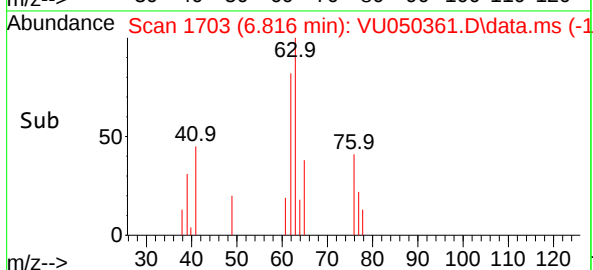
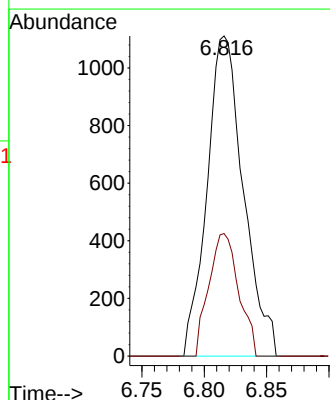
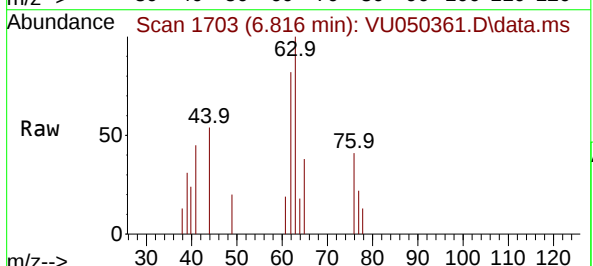
Acq: 17 Aug 2022 18:30

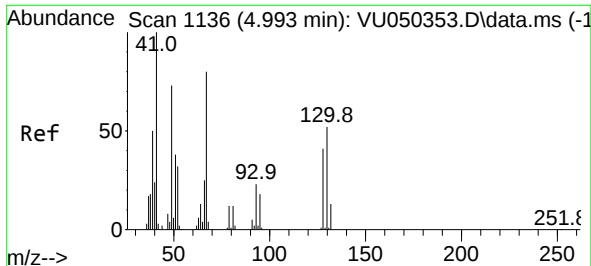
Tgt Ion: 63 Resp: 2259

Ion Ratio Lower Upper

63 100

65 38.3 25.0 37.4#





#39

Methacrylonitrile

Concen: 0.382 ug/l

RT: 4.999 min Scan# 1138

Delta R.T. 0.007 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 41 Resp: 1458

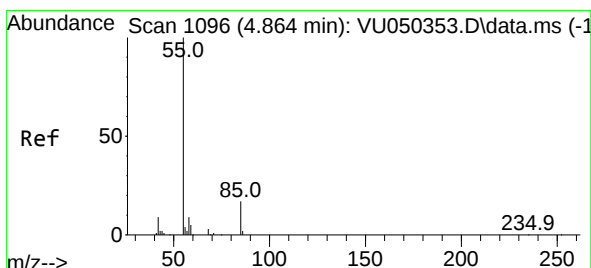
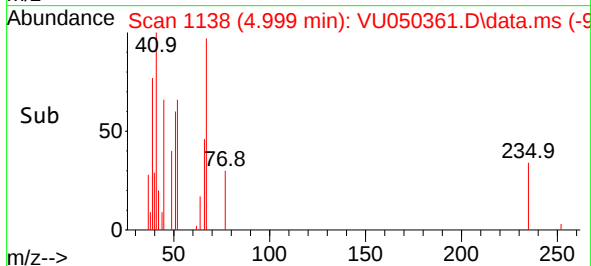
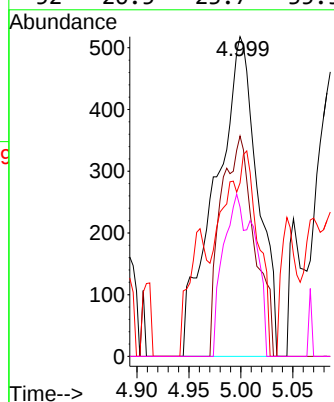
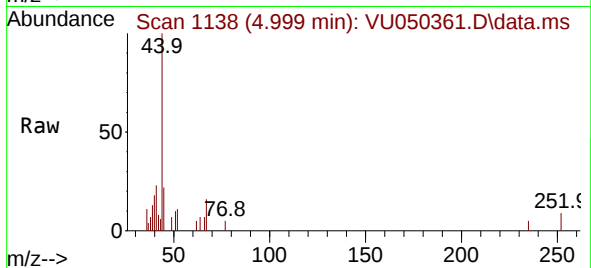
Ion Ratio Lower Upper

41 100

67 55.1 59.4 89.0#

39 53.9 42.2 63.2

52 26.5 23.7 35.5



#40

Methyl acrylate

Concen: 0.340 ug/l

RT: 4.874 min Scan# 1099

Delta R.T. 0.010 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Tgt Ion: 55 Resp: 2266

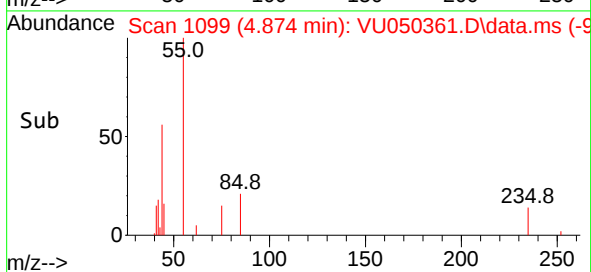
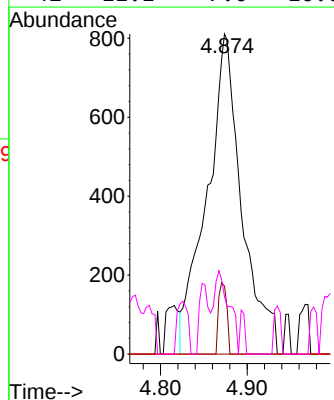
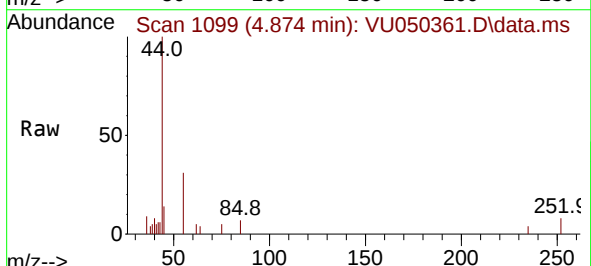
Ion Ratio Lower Upper

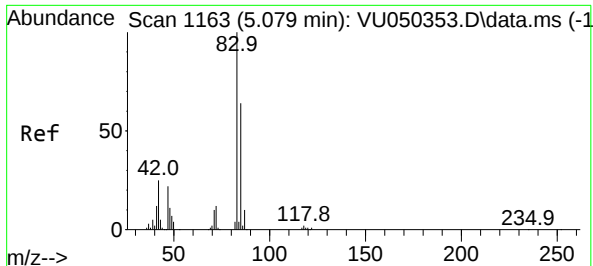
55 100

85 5.2 13.5 20.3#

58 0.0 7.0 10.4#

42 11.1 7.0 10.6#

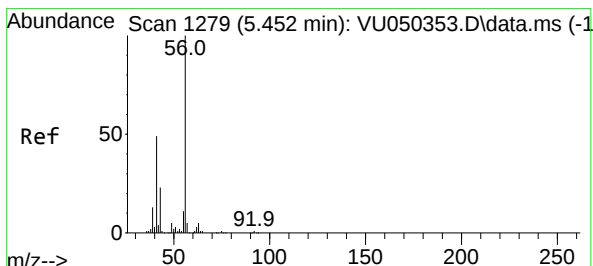
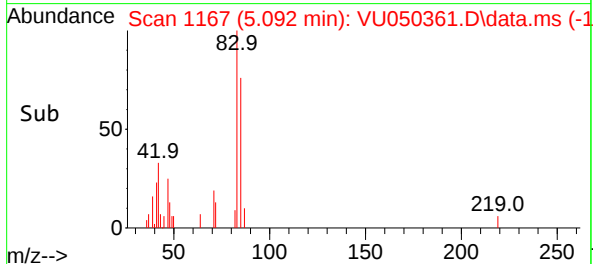
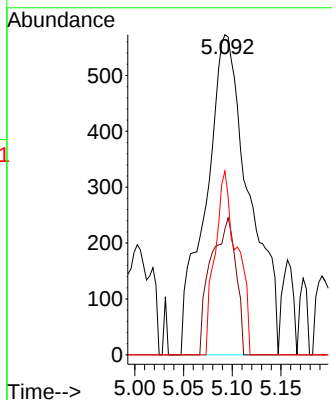
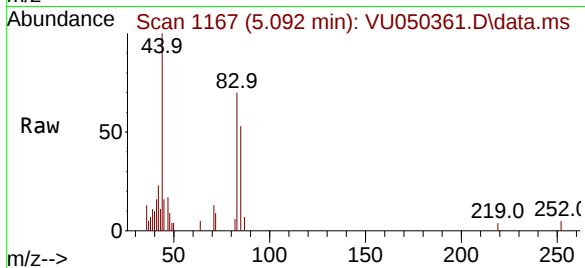




#41  
Tetrahydrofuran  
Concen: 0.824 ug/l  
RT: 5.092 min Scan# 1167  
Delta R.T. 0.013 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

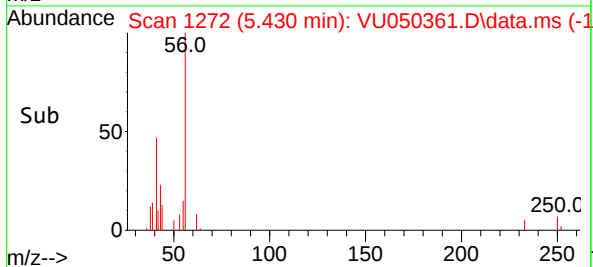
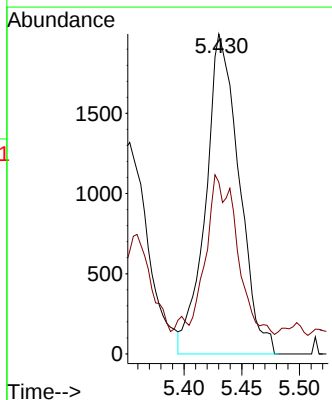
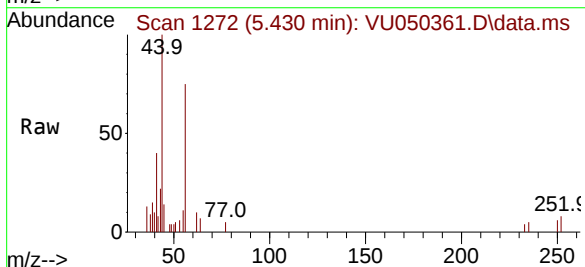
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

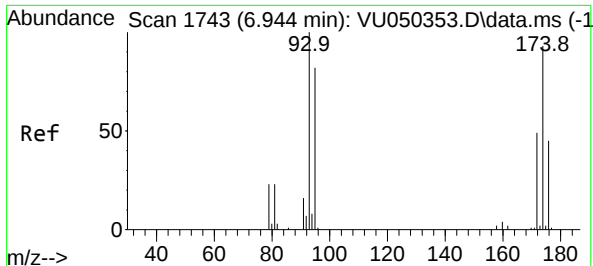
Tgt Ion: 42 Resp: 1769  
Ion Ratio Lower Upper  
42 100  
72 24.8 38.9 58.3#  
71 29.2 33.7 50.5#



#42  
1-Chlorobutane  
Concen: 0.217 ug/l  
RT: 5.430 min Scan# 1272  
Delta R.T. -0.022 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 56 Resp: 4015  
Ion Ratio Lower Upper  
56 100  
41 47.8 26.4 79.2

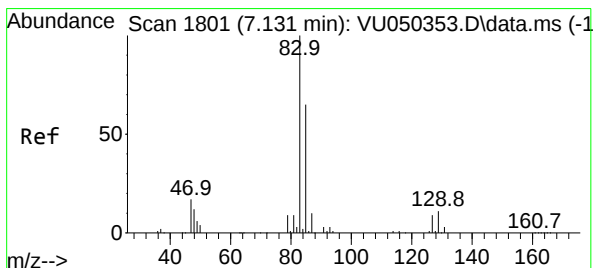
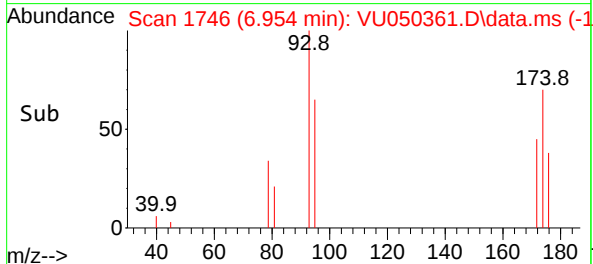
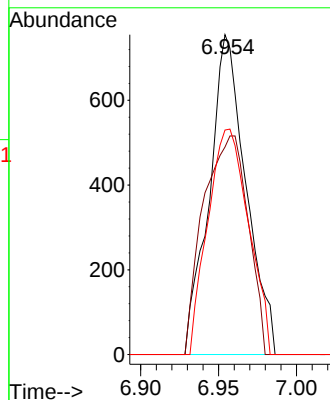
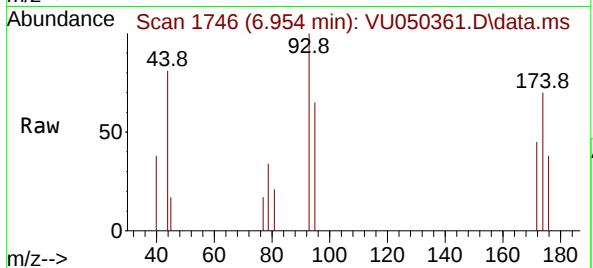




#43  
Dibromomethane  
Concen: 0.186 ug/l  
RT: 6.954 min Scan# 11  
Delta R.T. 0.010 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

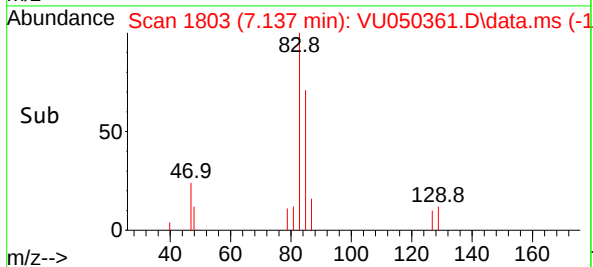
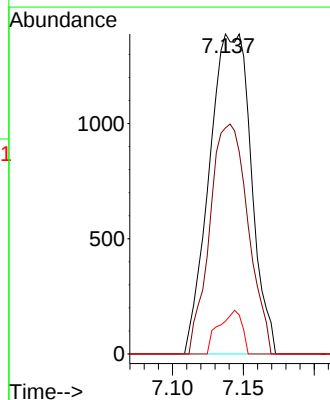
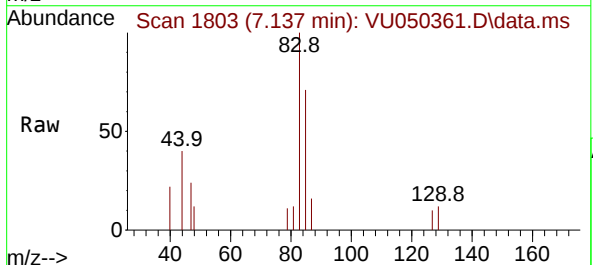
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

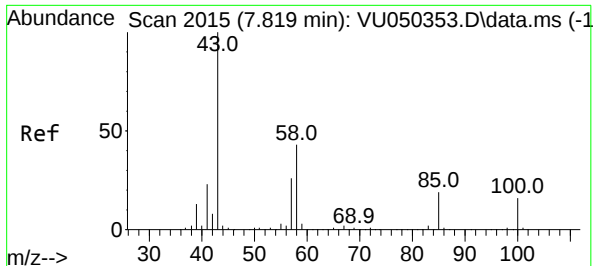
Tgt Ion: 93 Resp: 1237  
Ion Ratio Lower Upper  
93 100  
95 83.2 65.0 97.6  
174 78.3 76.3 114.5



#44  
Bromodichloromethane  
Concen: 0.187 ug/l  
RT: 7.137 min Scan# 1803  
Delta R.T. 0.007 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 83 Resp: 2852  
Ion Ratio Lower Upper  
83 100  
85 70.6 49.4 74.0  
127 10.2 6.6 10.0#





#45

4-Methyl-2-Pentanone

Concen: 0.816 ug/l

RT: 7.835 min Scan# 2015

Delta R.T. 0.016 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2022

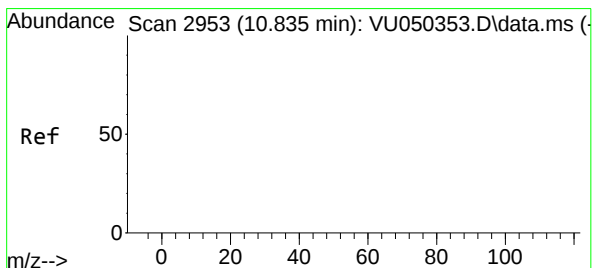
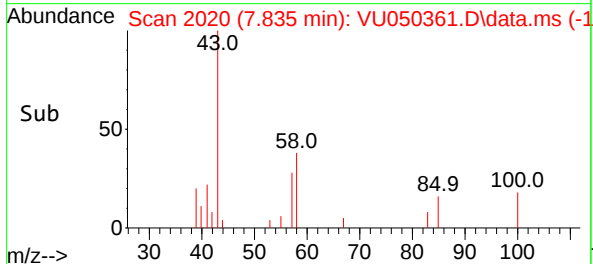
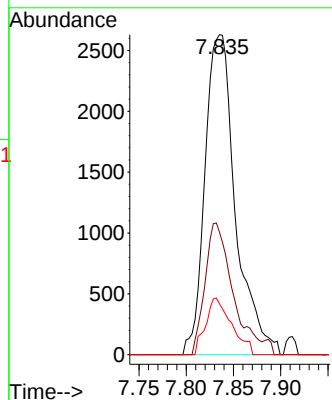
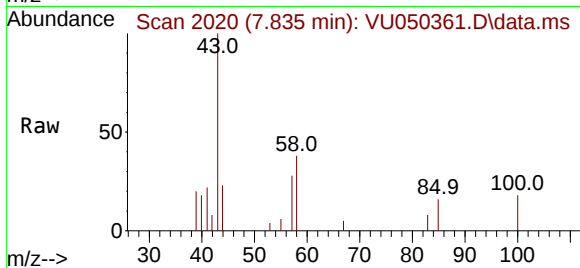
Tgt Ion: 43 Resp: 5921

Ion Ratio Lower Upper

43 100

58 37.1 20.3 61.0

85 15.0 14.6 21.8



#46

t-1,4-Dichloro-2-butene

Concen: 0.471 ug/l m

RT: 10.835 min Scan# 2953

Delta R.T. 0.000 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Tgt Ion: 75 Resp: 1127

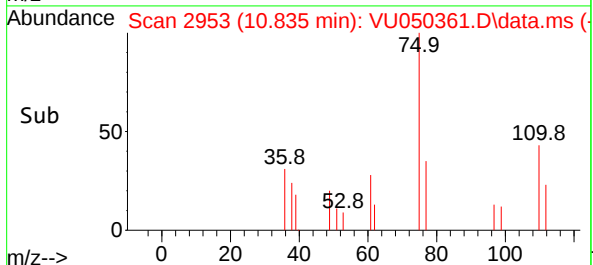
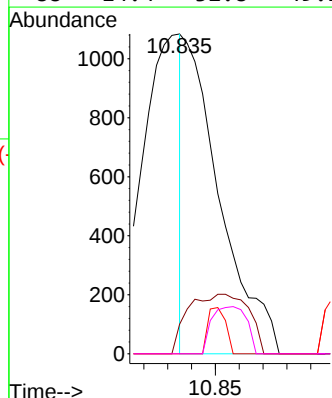
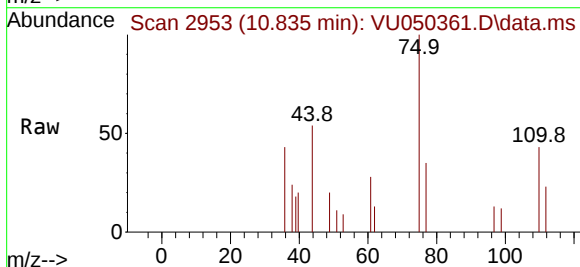
Ion Ratio Lower Upper

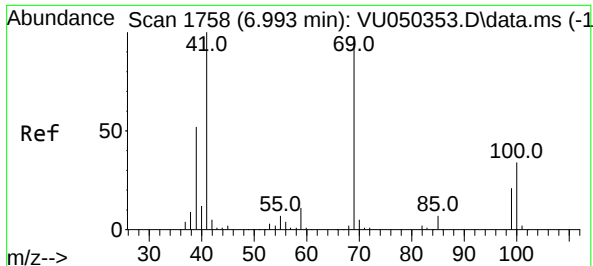
75 100

53 31.4 64.4 96.6#

89 7.2 44.2 66.2#

88 14.4 32.8 49.2#





#47

Methyl methacrylate

Concen: 0.284 ug/l

RT: 7.006 min Scan# 1

Delta R.T. 0.013 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 69 Resp: 1516

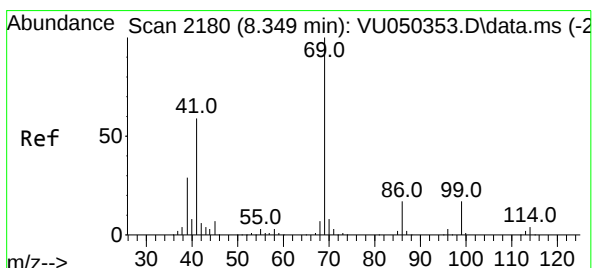
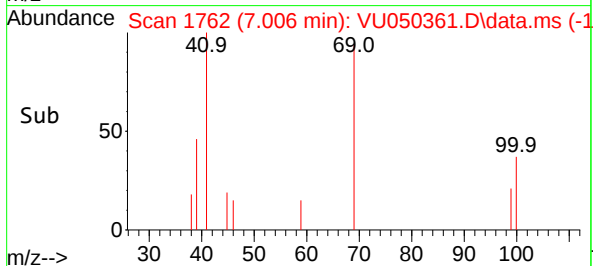
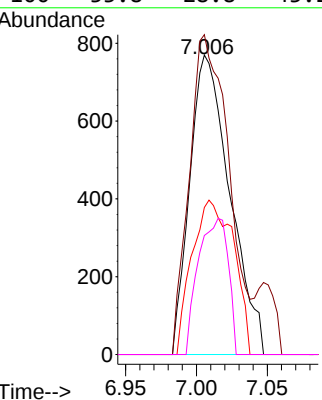
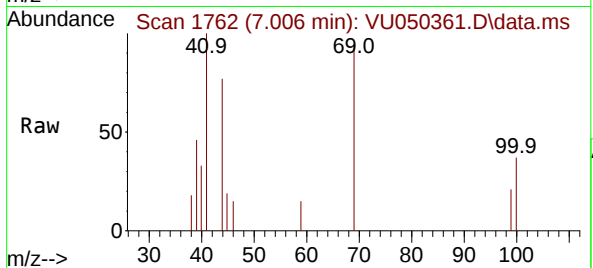
Ion Ratio Lower Upper

69 100

41 104.6 0.0 225.4

39 53.6 45.8 68.8

100 33.8 28.8 43.2



#48

Ethyl methacrylate

Concen: 0.124 ug/l

RT: 8.359 min Scan# 2183

Delta R.T. 0.010 min

Lab File: VU050361.D

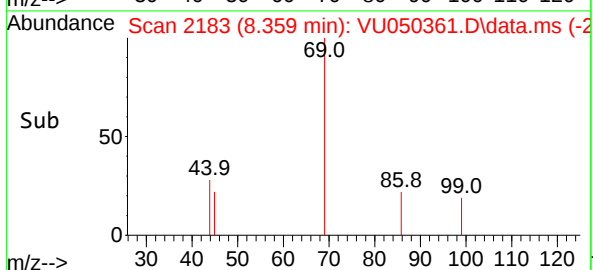
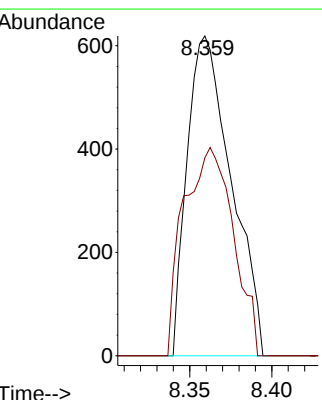
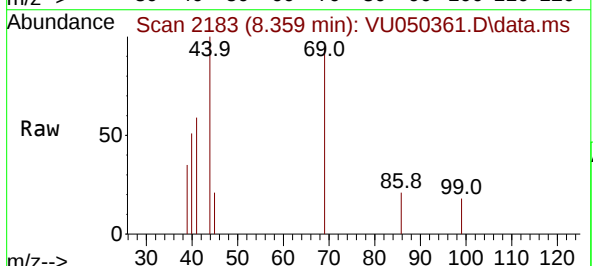
Acq: 17 Aug 2022 18:30

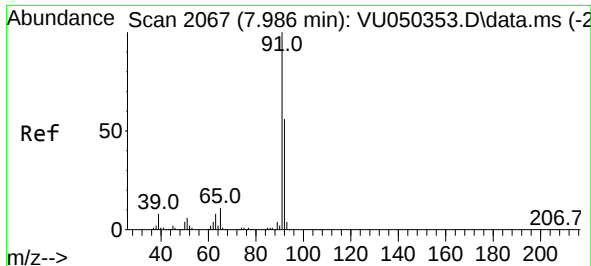
Tgt Ion: 69 Resp: 1158

Ion Ratio Lower Upper

69 100

41 73.1 32.3 96.9





#49

Toluene

Concen: 0.155 ug/l

RT: 7.993 min Scan# 2067

Delta R.T. 0.007 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Instrument :

MSVOA\_U

ClientSampleId :

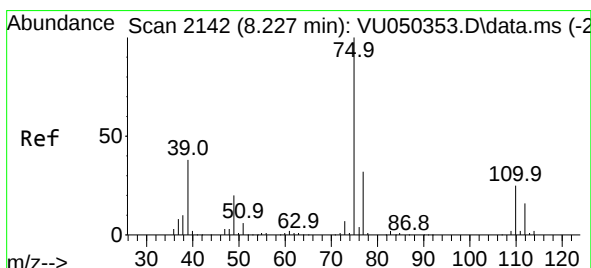
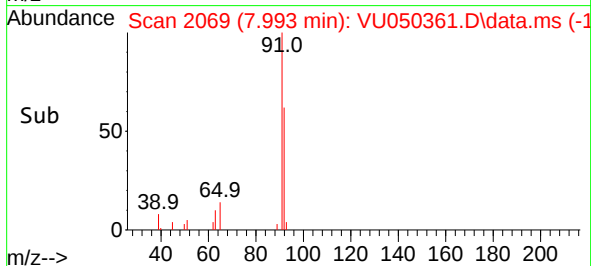
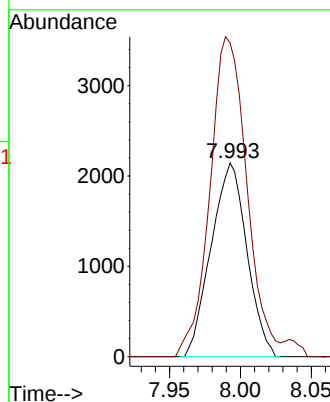
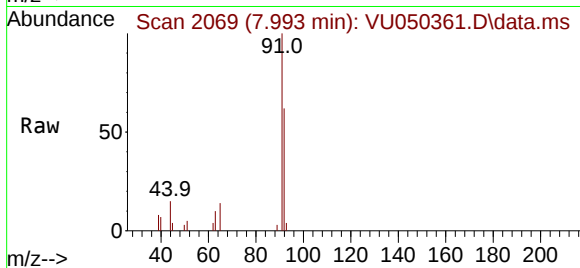
LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 92 Resp: 3766

Ion Ratio Lower Upper

92 100

91 170.0 138.6 207.8



#50

t-1,3-Dichloropropene

Concen: 0.157 ug/l

RT: 8.231 min Scan# 2143

Delta R.T. 0.003 min

Lab File: VU050361.D

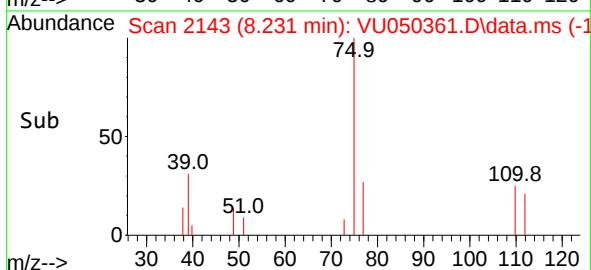
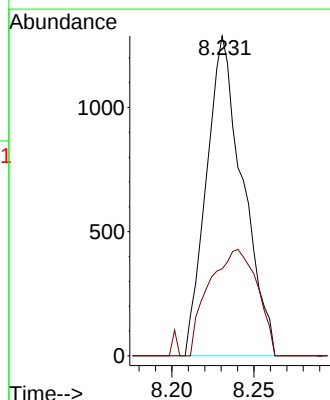
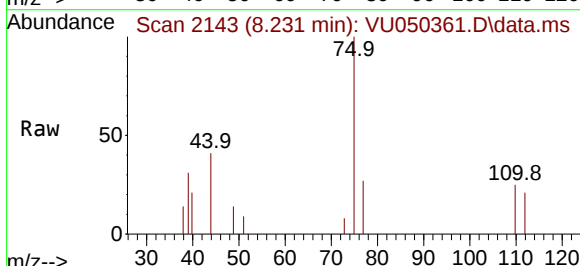
Acq: 17 Aug 2022 18:30

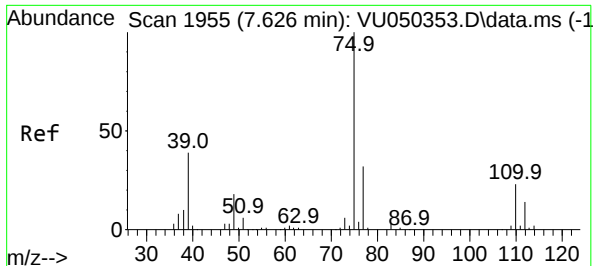
Tgt Ion: 75 Resp: 1981

Ion Ratio Lower Upper

75 100

77 27.2 24.7 37.1

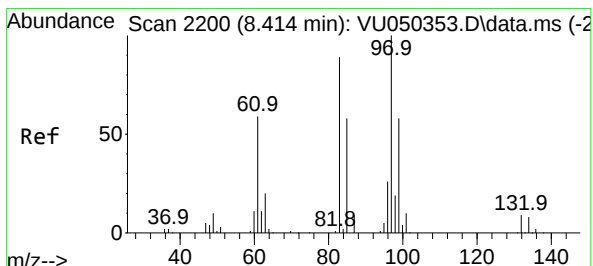
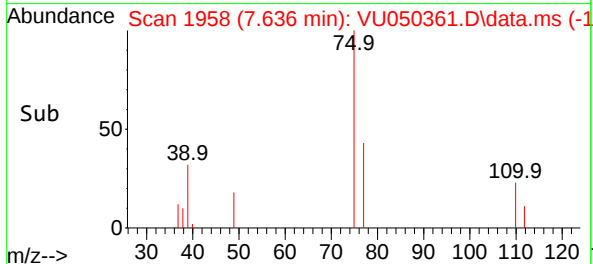
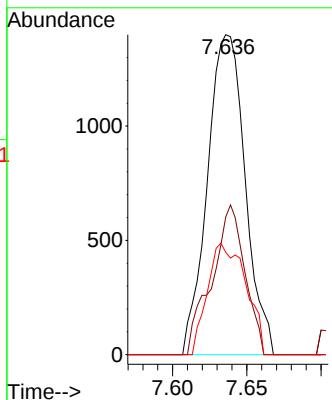
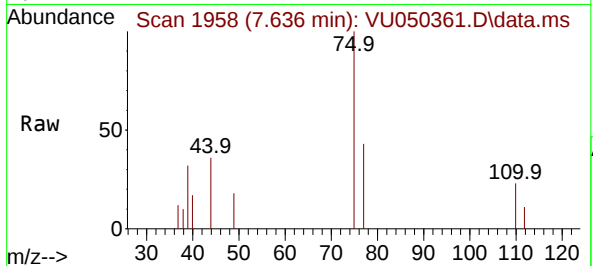




#51  
 cis-1,3-Dichloropropene  
 Concen: 0.173 ug/l  
 RT: 7.636 min Scan# 1955  
 Delta R.T. 0.010 min  
 Lab File: VU050361.D  
 Acq: 17 Aug 2022 18:30

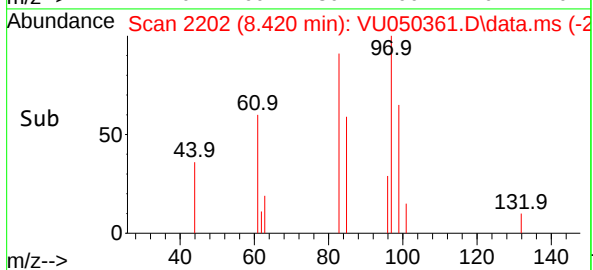
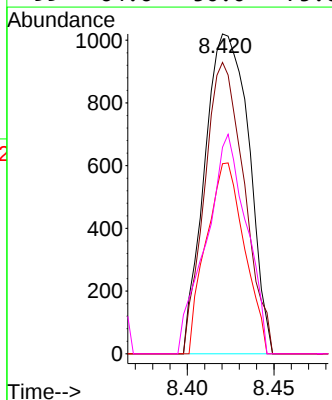
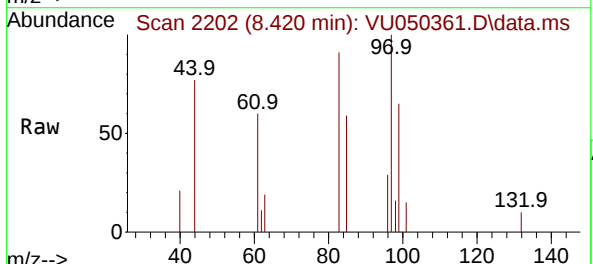
Instrument : MSVOA\_U  
 ClientSampleId : LOD-MDL-WATER-01-QT3-2022

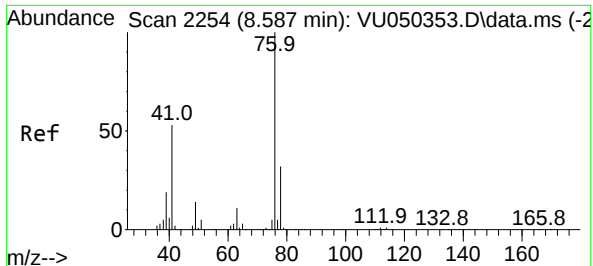
Tgt Ion: 75 Resp: 2475  
 Ion Ratio Lower Upper  
 75 100  
 77 43.0 25.4 38.0#  
 39 32.0 35.1 52.7#



#52  
 1,1,2-Trichloroethane  
 Concen: 0.183 ug/l  
 RT: 8.420 min Scan# 2202  
 Delta R.T. 0.007 min  
 Lab File: VU050361.D  
 Acq: 17 Aug 2022 18:30

Tgt Ion: 97 Resp: 1816  
 Ion Ratio Lower Upper  
 97 100  
 83 91.1 70.6 106.0  
 85 59.4 46.2 69.4  
 99 64.6 50.0 75.0





#53

1,3-Dichloropropane

Concen: 0.160 ug/l

RT: 8.597 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Instrument :

MSVOA\_U

ClientSampleId :

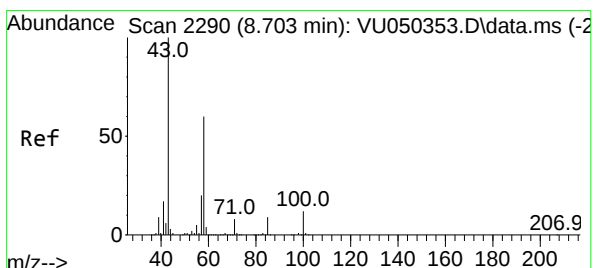
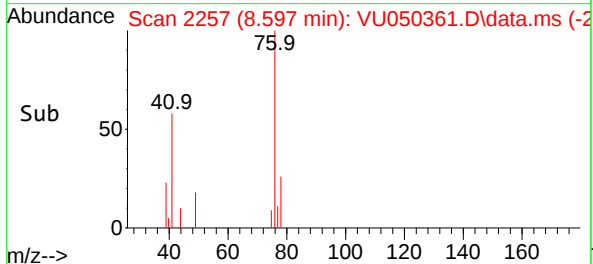
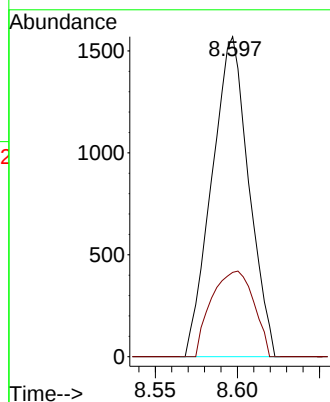
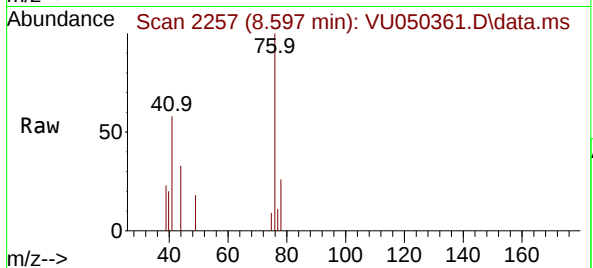
LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 76 Resp: 2454

Ion Ratio Lower Upper

76 100

78 30.7 26.0 39.0



#54

2-Hexanone

Concen: 0.917 ug/l

RT: 8.716 min Scan# 2294

Delta R.T. 0.013 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

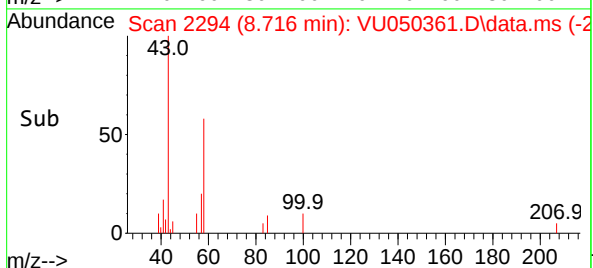
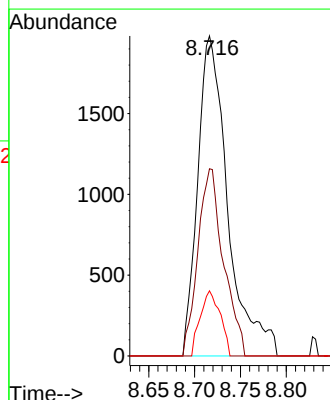
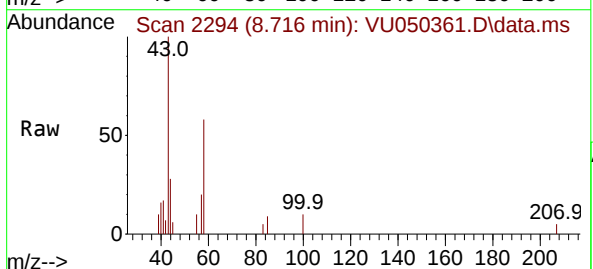
Tgt Ion: 43 Resp: 4527

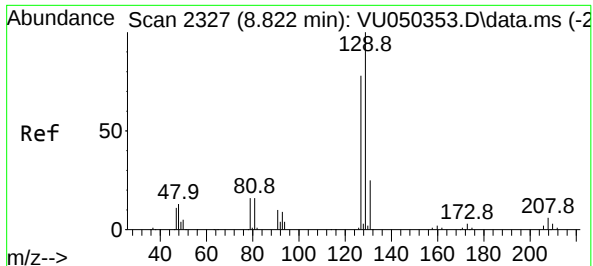
Ion Ratio Lower Upper

43 100

58 49.6 37.1 77.1

57 13.5 0.0 39.5

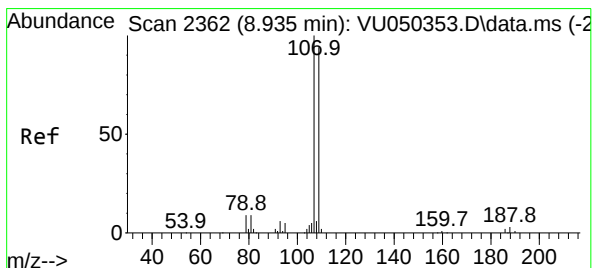
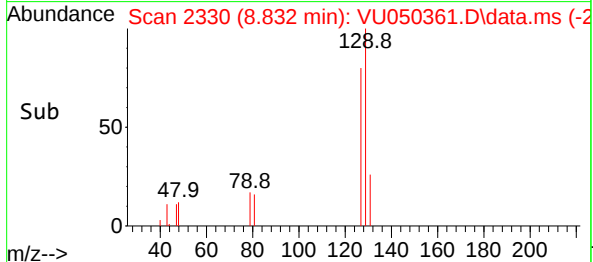
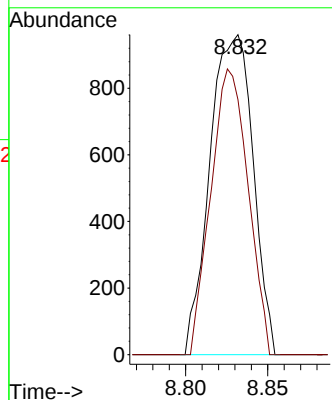
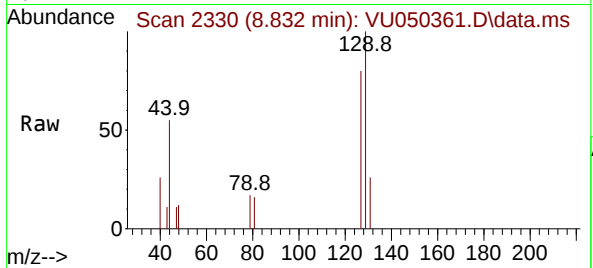




#55  
Dibromochloromethane  
Concen: 0.167 ug/l  
RT: 8.832 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

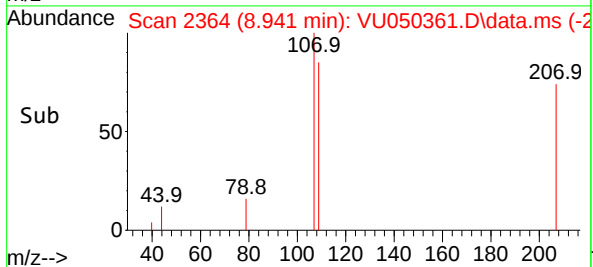
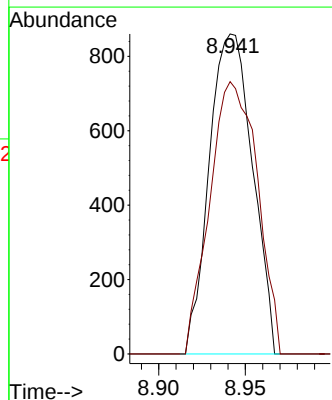
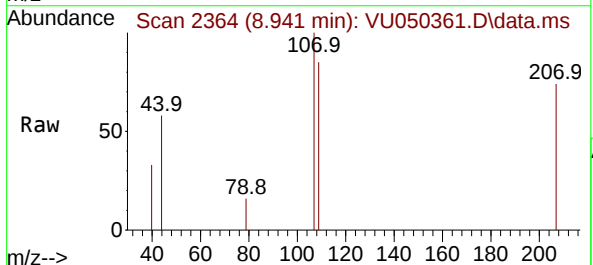
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

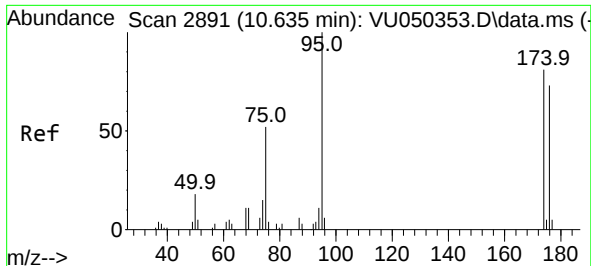
Tgt Ion:129 Resp: 1759  
Ion Ratio Lower Upper  
129 100  
127 76.9 61.2 91.8



#56  
1,2-Dibromoethane  
Concen: 0.175 ug/l  
RT: 8.941 min Scan# 2364  
Delta R.T. 0.007 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion:107 Resp: 1493  
Ion Ratio Lower Upper  
107 100  
109 93.5 0.0 187.2

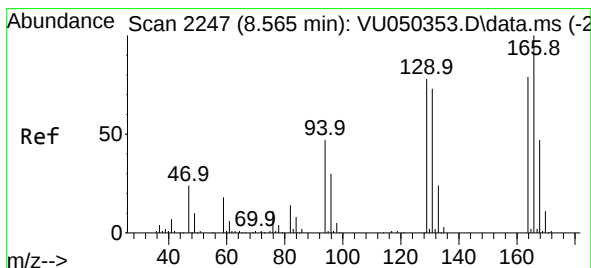
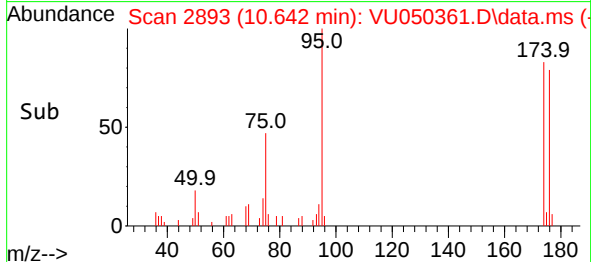
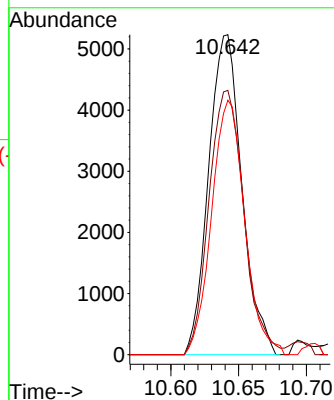
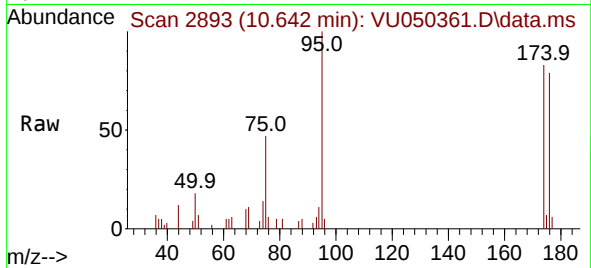




#57  
4-Bromofluorobenzene  
Concen: 0.718 ug/l  
RT: 10.642 min Scan# 2893  
Delta R.T. 0.007 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

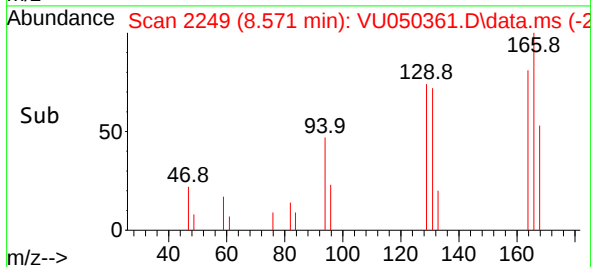
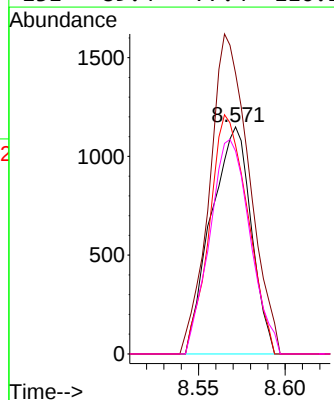
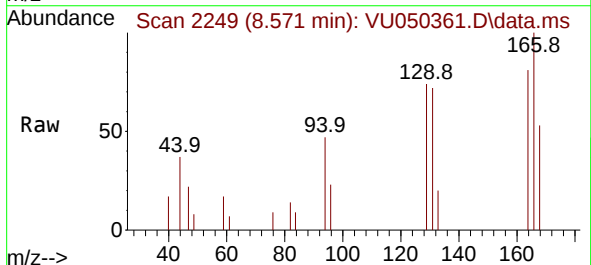
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT3-2022

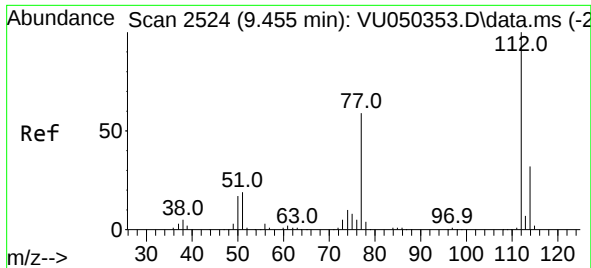
Tgt Ion: 95 Resp: 8929  
Ion Ratio Lower Upper  
95 100  
174 86.3 62.4 93.6  
176 79.1 56.2 84.2



#58  
Tetrachloroethene  
Concen: 0.186 ug/l  
RT: 8.571 min Scan# 2249  
Delta R.T. 0.007 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 164 Resp: 1843  
Ion Ratio Lower Upper  
164 100  
166 123.7 102.4 153.6  
129 91.9 79.5 119.3  
131 89.4 77.4 116.2





#59

Chlorobenzene

Concen: 0.177 ug/l

RT: 9.459 min Scan# 21

Delta R.T. 0.004 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Instrument :

MSVOA\_U

ClientSampleId :

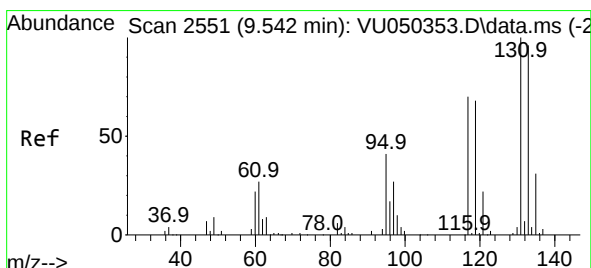
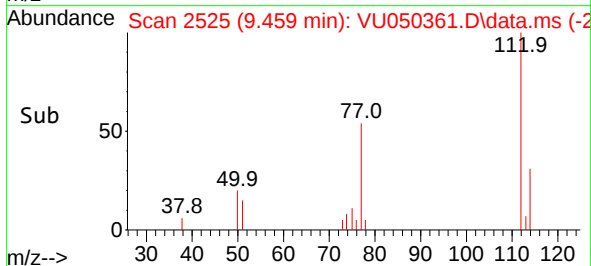
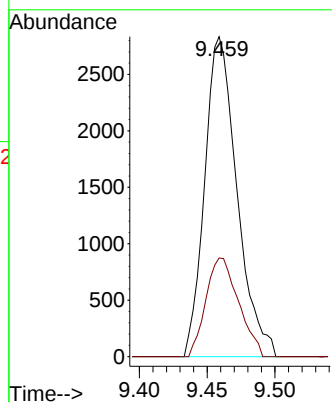
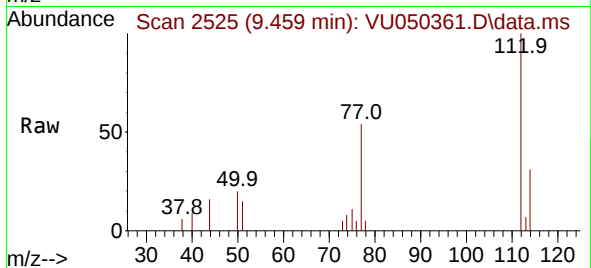
LOD-MDL-WATER-01-QT3-2022

Tgt Ion:112 Resp: 4692

Ion Ratio Lower Upper

112 100

114 30.8 24.9 37.3



#60

1,1,1,2-Tetrachloroethane

Concen: 0.175 ug/l

RT: 9.546 min Scan# 2552

Delta R.T. 0.003 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

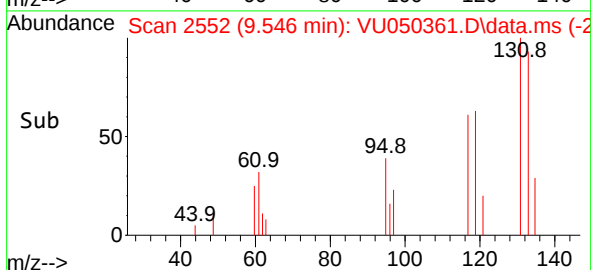
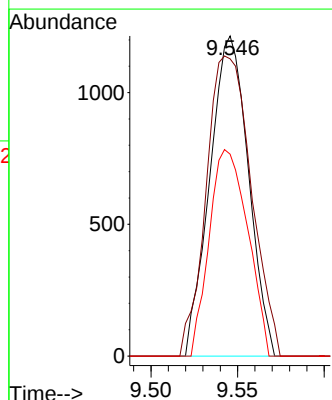
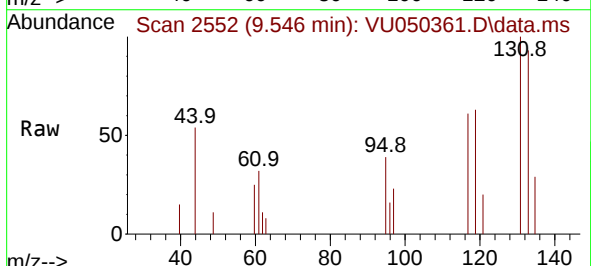
Tgt Ion:131 Resp: 1882

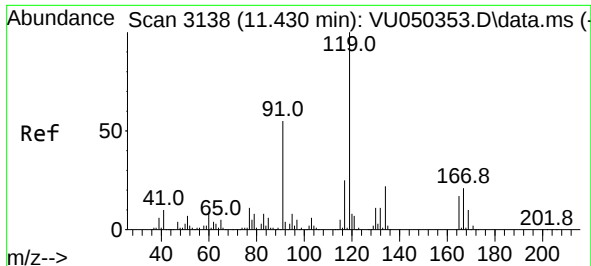
Ion Ratio Lower Upper

131 100

133 109.1 78.3 117.5

119 64.3 53.2 79.8

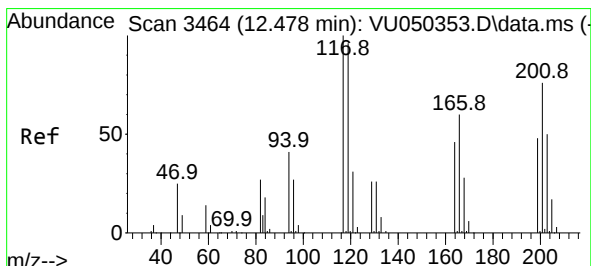
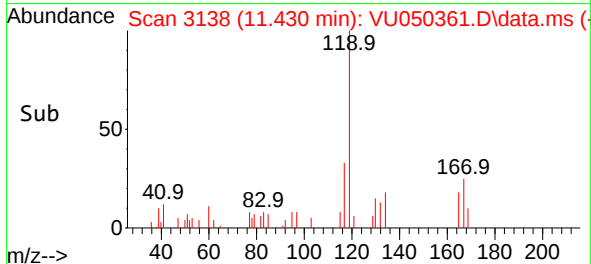
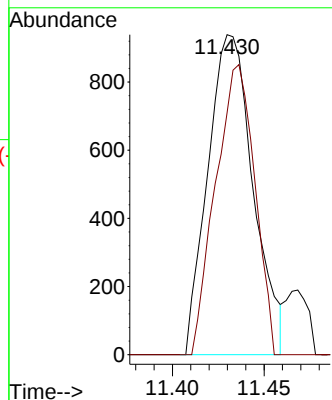
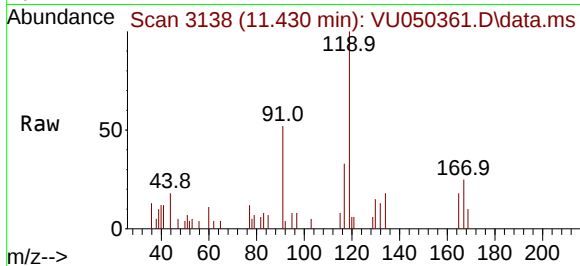




#61  
Pentachloroethane  
Concen: 0.184 ug/l  
RT: 11.430 min Scan# 3138  
Delta R.T. 0.000 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

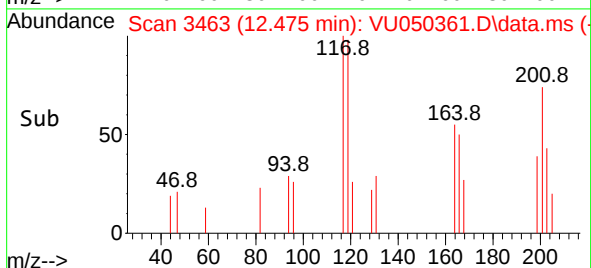
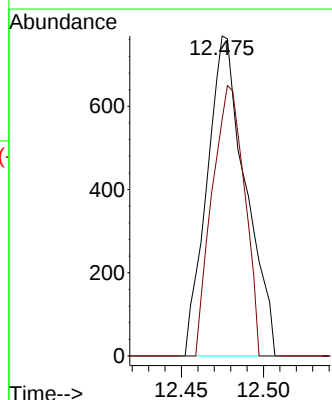
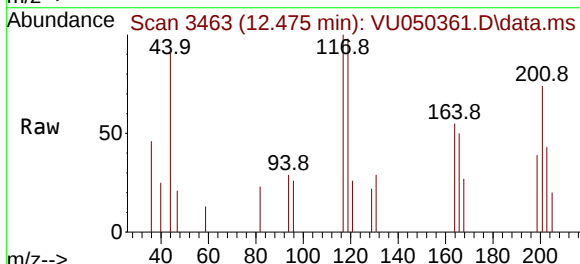
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

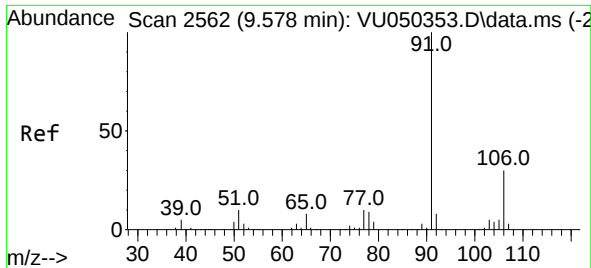
Tgt Ion:117 Resp: 1618  
Ion Ratio Lower Upper  
117 100  
167 78.1 66.2 99.4



#62  
Hexachloroethane  
Concen: 0.170 ug/l  
RT: 12.475 min Scan# 3463  
Delta R.T. -0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion:117 Resp: 1254  
Ion Ratio Lower Upper  
117 100  
201 70.8 61.0 91.4

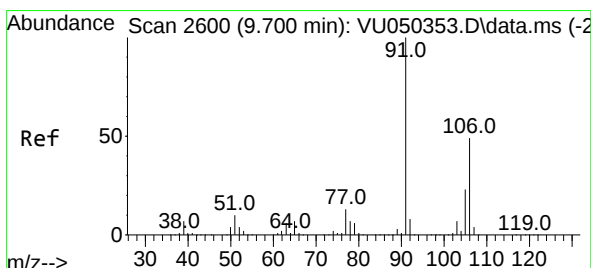
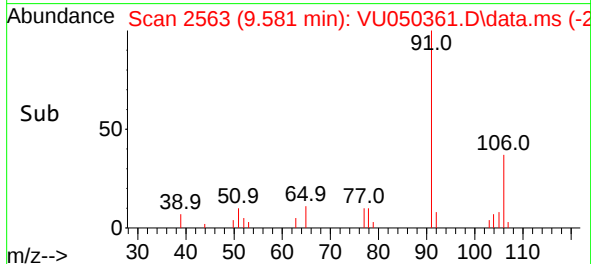
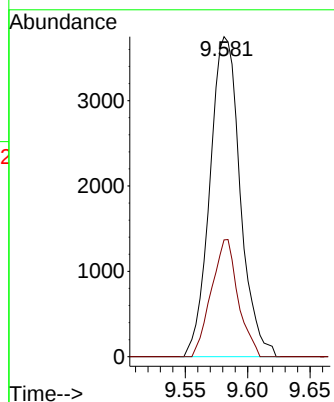
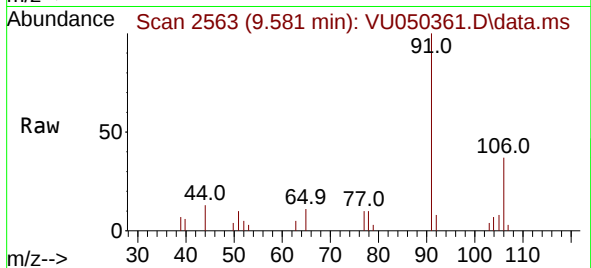




#63  
Ethyl Benzene  
Concen: 0.153 ug/l  
RT: 9.581 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

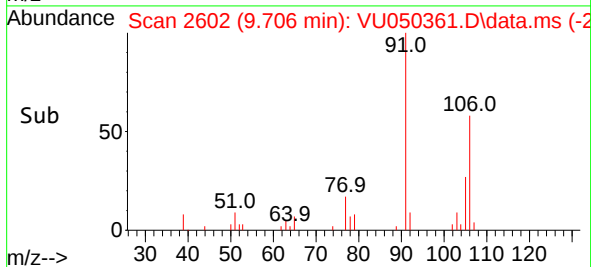
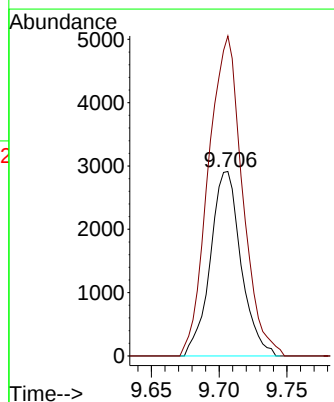
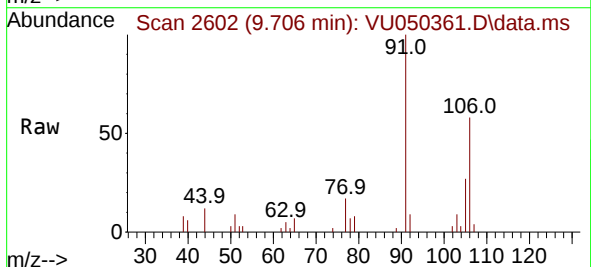
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

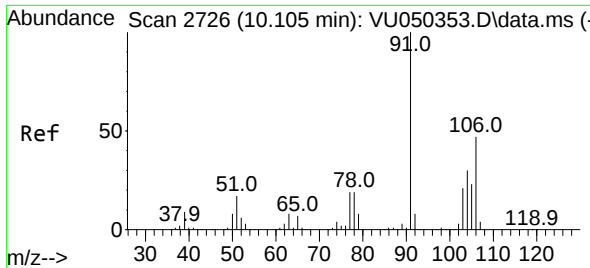
Tgt Ion: 91 Resp: 6336  
Ion Ratio Lower Upper  
91 100  
106 36.5 24.4 36.6



#64  
m/p-Xylenes  
Concen: 0.284 ug/l  
RT: 9.706 min Scan# 2602  
Delta R.T. 0.006 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 106 Resp: 4595  
Ion Ratio Lower Upper  
106 100  
91 192.5 167.8 251.6

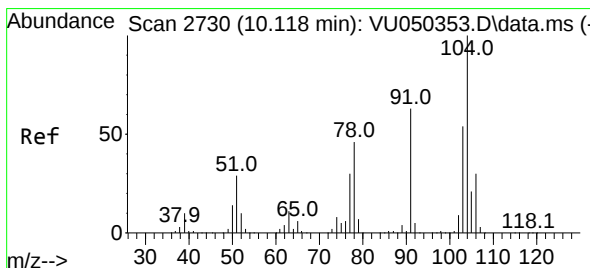
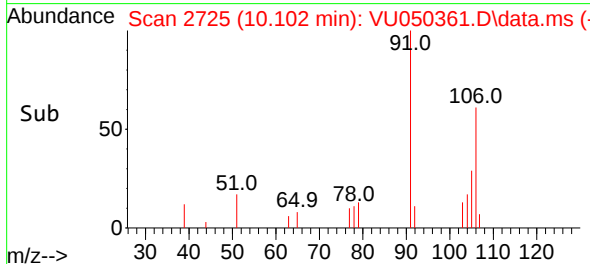
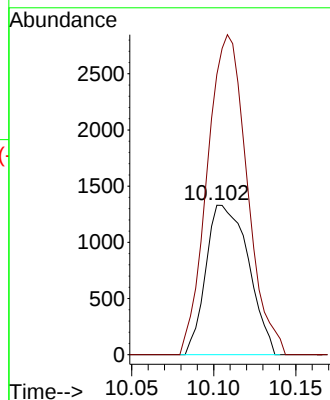
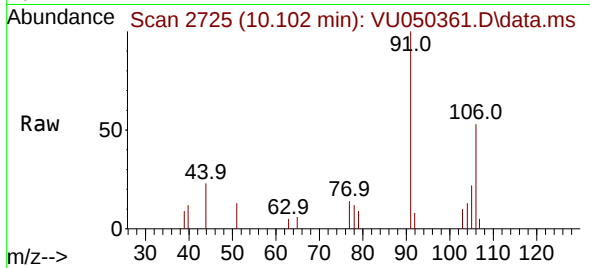




#65  
o-Xylene  
Concen: 0.154 ug/l  
RT: 10.102 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

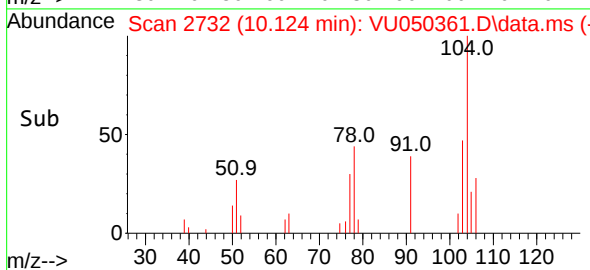
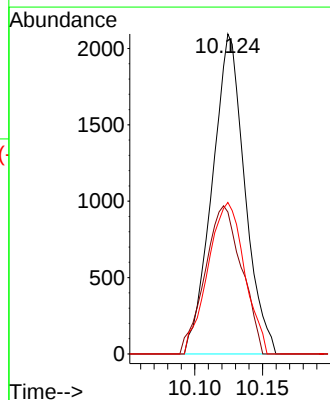
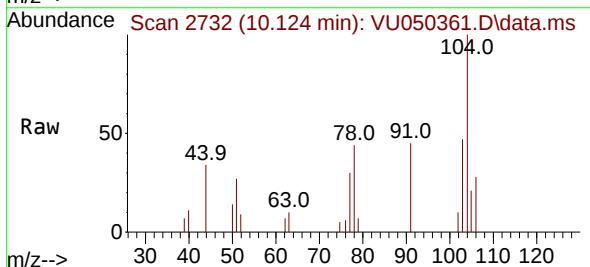
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

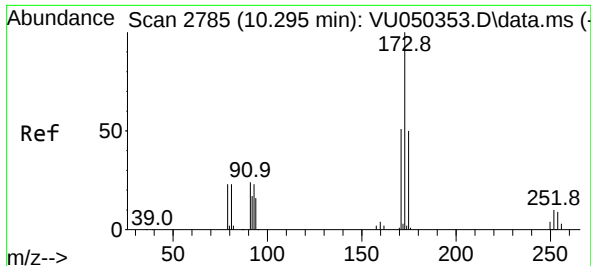
Tgt Ion:106 Resp: 2391  
Ion Ratio Lower Upper  
106 100  
91 201.0 111.1 333.2



#66  
Styrene  
Concen: 0.135 ug/l  
RT: 10.124 min Scan# 2732  
Delta R.T. 0.006 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion:104 Resp: 3498  
Ion Ratio Lower Upper  
104 100  
78 52.2 42.1 63.1  
103 53.3 44.5 66.7

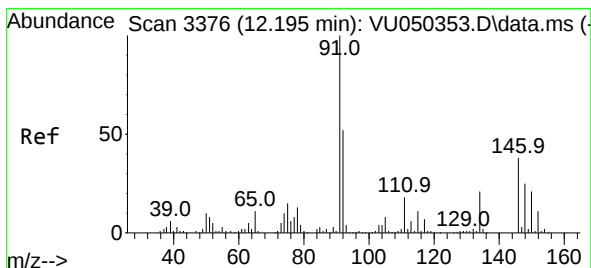
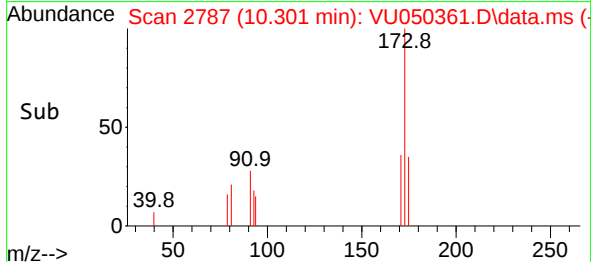
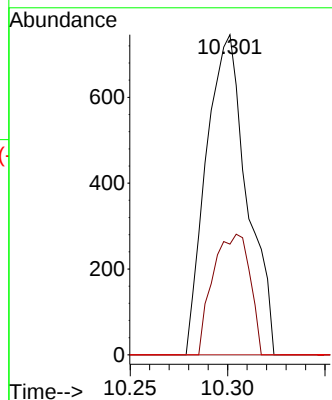
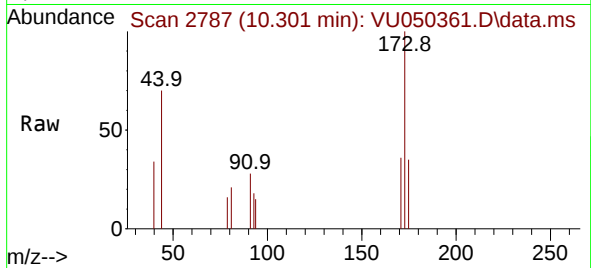




#67  
Bromoform  
Concen: 0.180 ug/l  
RT: 10.301 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

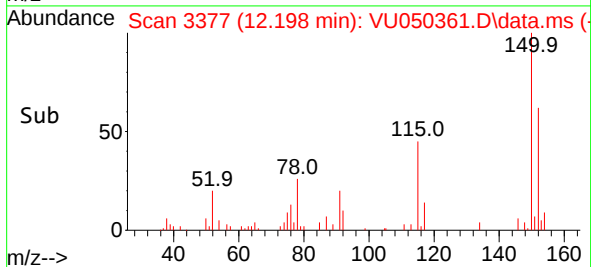
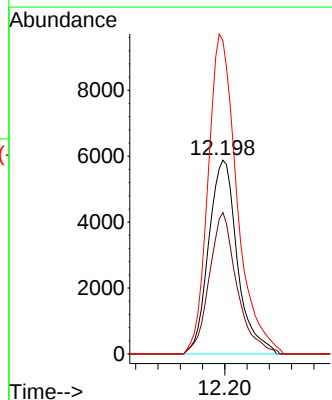
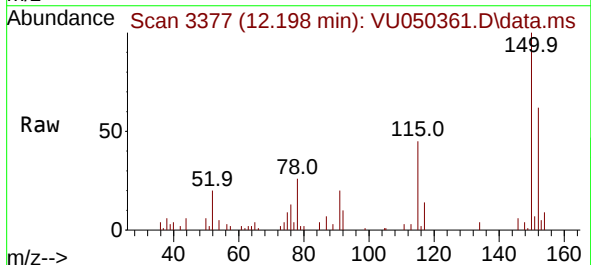
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

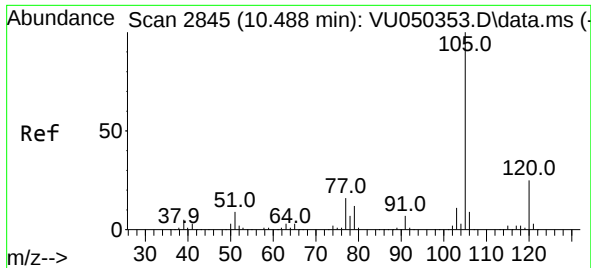
Tgt Ion:173 Resp: 1085  
Ion Ratio Lower Upper  
173 100  
175 33.9 38.4 57.6#  
254 0.0 7.7 11.5#



#68  
1,2-Dichlorobenzene-d4  
Concen: 0.713 ug/l  
RT: 12.198 min Scan# 3377  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion:152 Resp: 10527  
Ion Ratio Lower Upper  
152 100  
115 70.3 0.0 254.6  
150 166.1 0.0 623.6

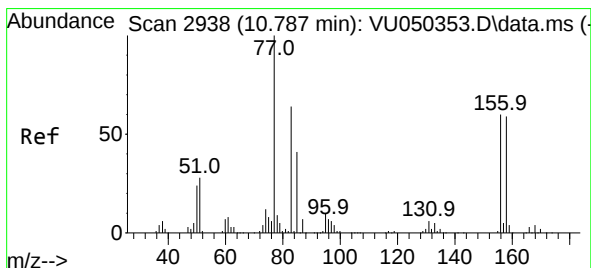
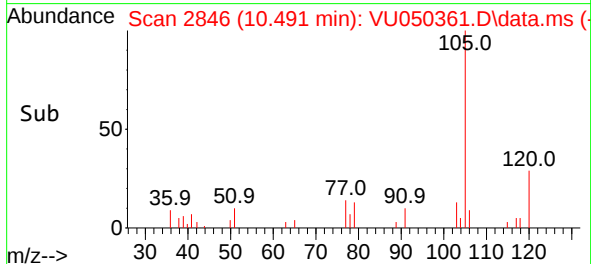
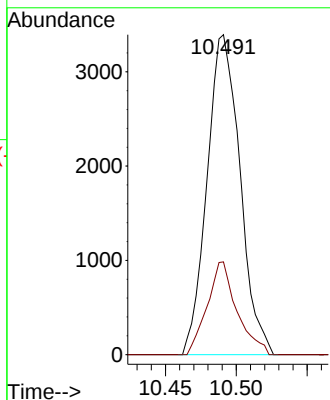
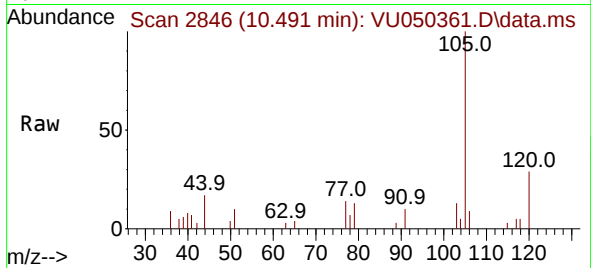




#69  
Isopropylbenzene  
Concen: 0.139 ug/l  
RT: 10.491 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

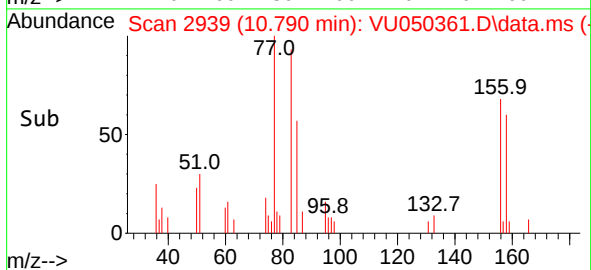
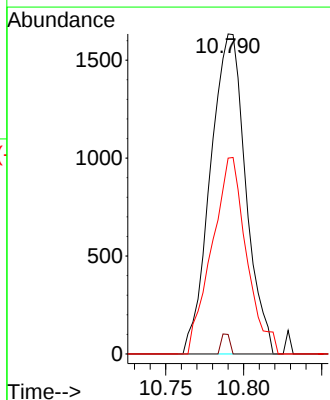
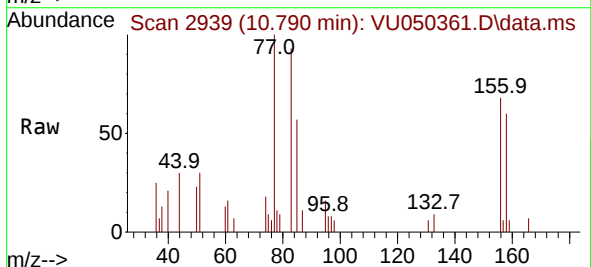
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

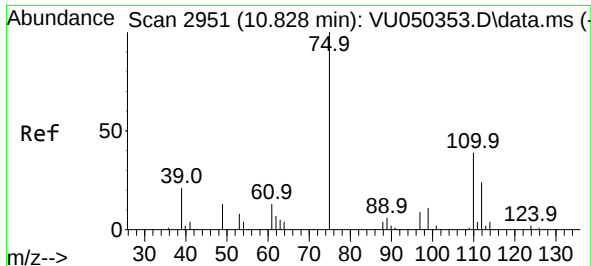
Tgt Ion:105 Resp: 5491  
Ion Ratio Lower Upper  
105 100  
120 26.2 12.6 37.8



#70  
1,1,2,2-Tetrachloroethane  
Concen: 0.192 ug/l  
RT: 10.790 min Scan# 2939  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 83 Resp: 2570  
Ion Ratio Lower Upper  
83 100  
131 1.5 7.7 11.5#  
85 60.2 51.2 76.8



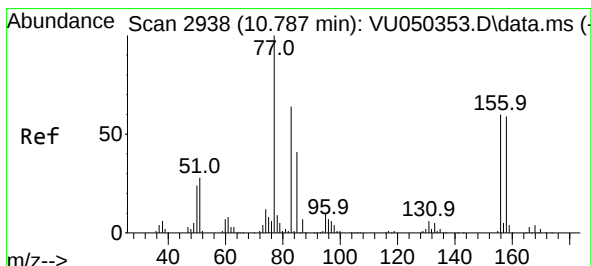
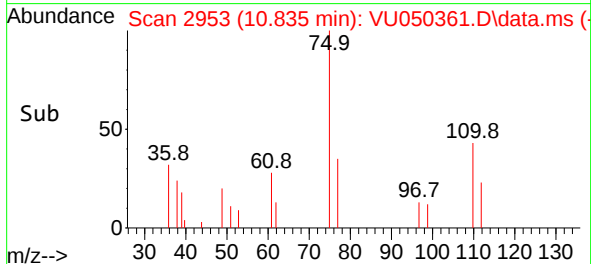
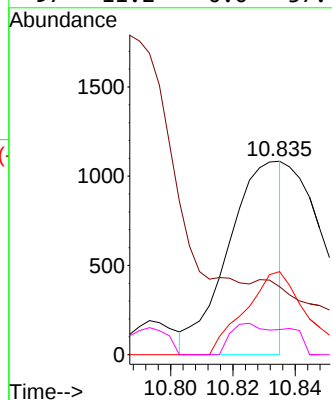
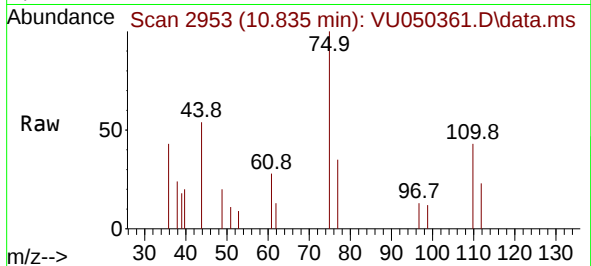


#71  
1,2,3-Trichloropropane  
Concen: 0.135 ug/l m  
RT: 10.835 min Scan# 2953  
Delta R.T. 0.007 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 75 Resp: 1290

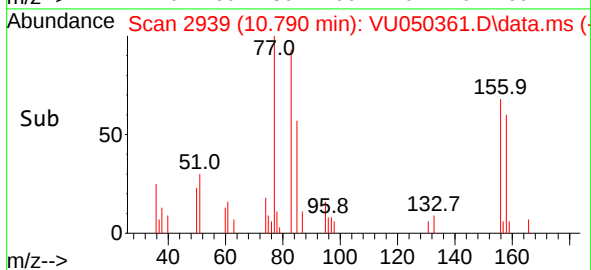
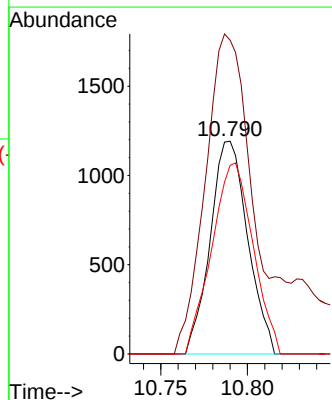
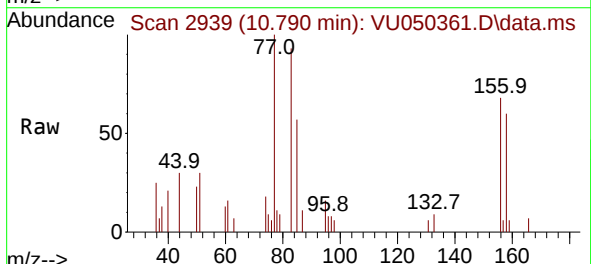
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.6  | 0.0   | 112.4 |
| 110 | 47.2  | 0.0   | 70.6  |
| 97  | 11.2  | 0.0   | 37.4  |

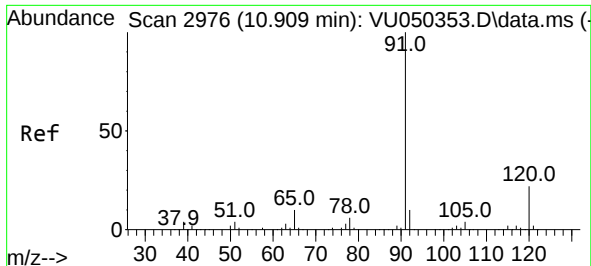


#72  
Bromobenzene  
Concen: 0.162 ug/l  
RT: 10.790 min Scan# 2939  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 156 Resp: 1791

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 156 | 100   |       |       |
| 77  | 196.0 | 0.0   | 344.4 |
| 158 | 99.3  | 0.0   | 192.2 |

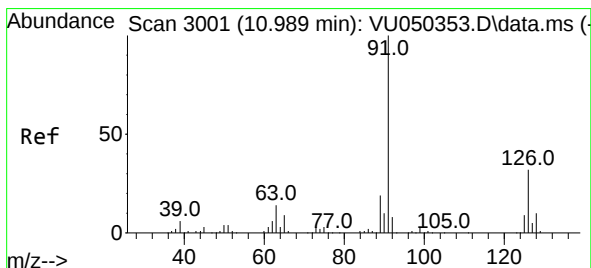
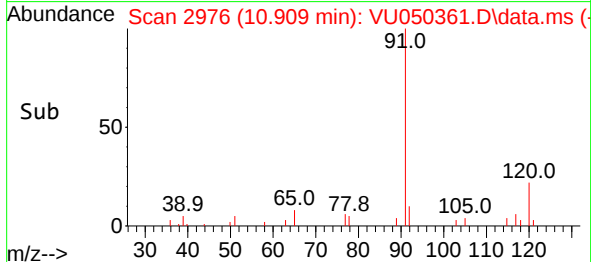
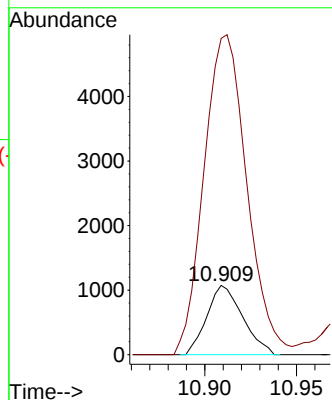
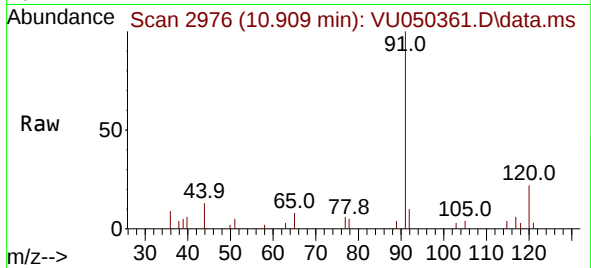




#73  
n-propylbenzene  
Concen: 0.140 ug/l  
RT: 10.909 min Scan# 2976  
Delta R.T. -0.000 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

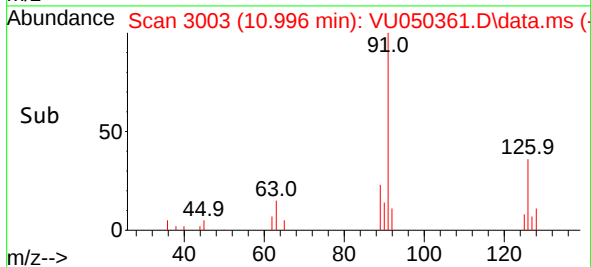
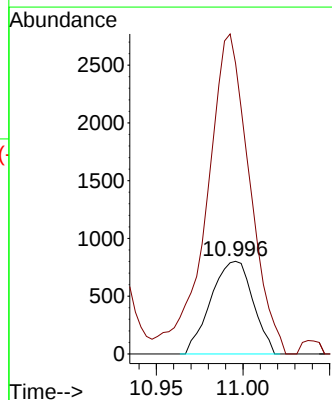
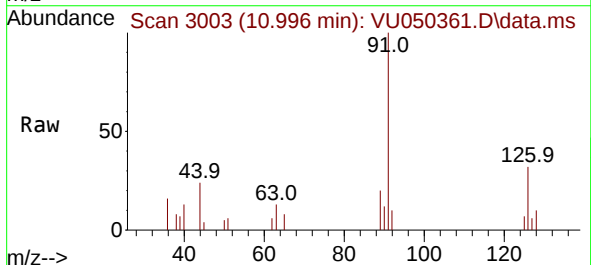
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT3-2022

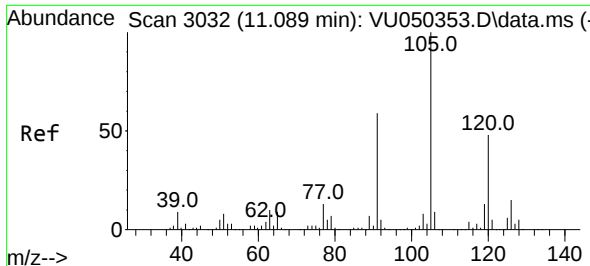
Tgt Ion:120 Resp: 1457  
Ion Ratio Lower Upper  
120 100  
91 552.3 367.8 551.6#



#74  
2-Chlorotoluene  
Concen: 0.132 ug/l  
RT: 10.996 min Scan# 3003  
Delta R.T. 0.007 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion:126 Resp: 1354  
Ion Ratio Lower Upper  
126 100  
91 352.3 0.0 620.6

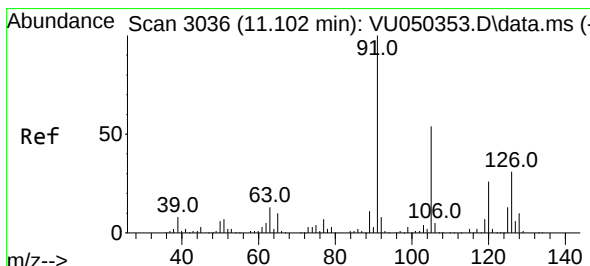
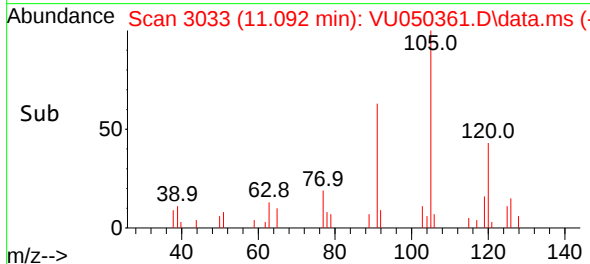
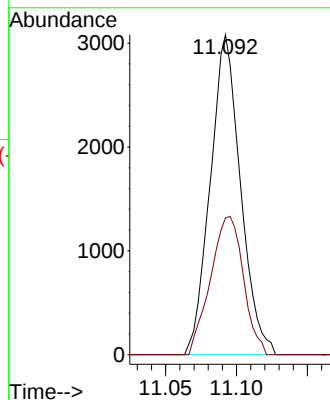
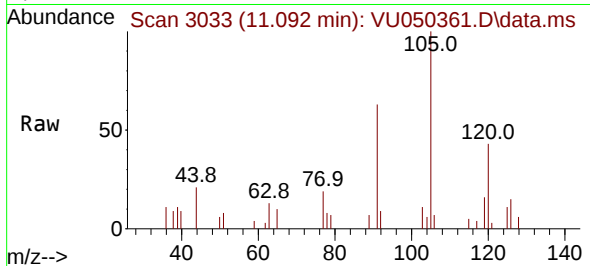




#75  
1,3,5-Trimethylbenzene  
Concen: 0.132 ug/l  
RT: 11.092 min Scan# 3033  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

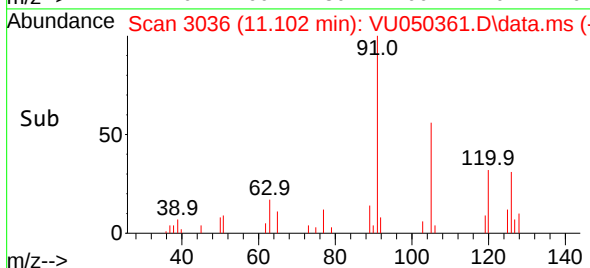
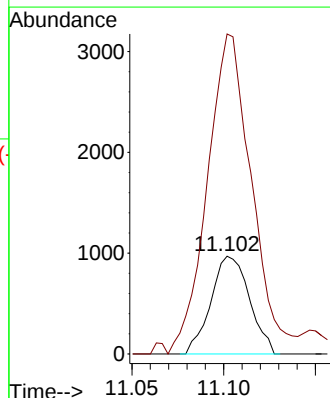
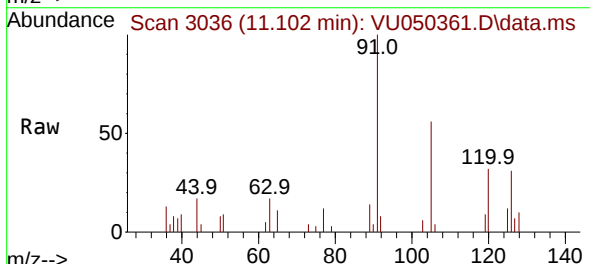
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

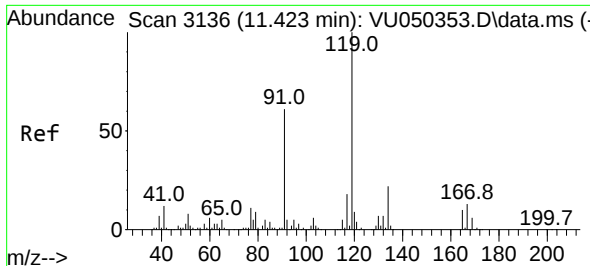
Tgt Ion:105 Resp: 4570  
Ion Ratio Lower Upper  
105 100  
120 46.9 37.6 56.4



#76  
4-Chlorotoluene  
Concen: 0.136 ug/l  
RT: 11.102 min Scan# 3036  
Delta R.T. -0.000 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion:126 Resp: 1415  
Ion Ratio Lower Upper  
126 100  
91 375.9 0.0 738.8

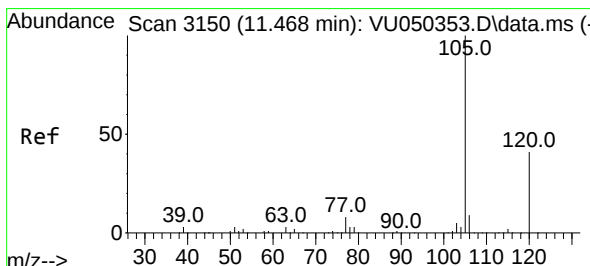
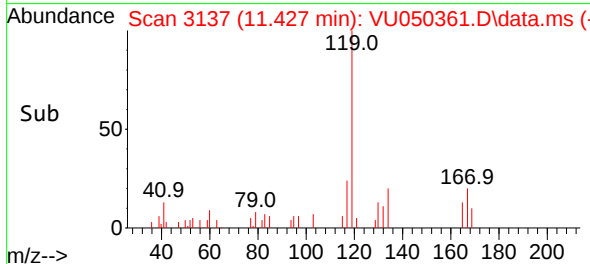
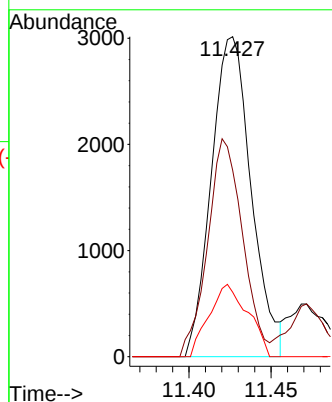
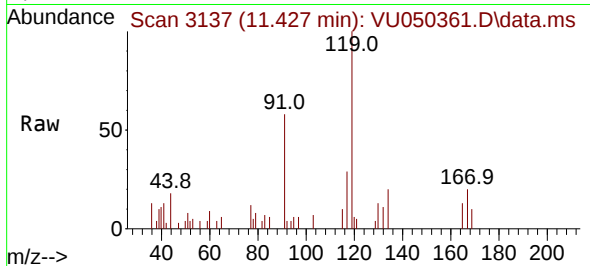




#77  
tert-Butylbenzene  
Concen: 0.148 ug/l  
RT: 11.427 min Scan# 3136  
Delta R.T. 0.004 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

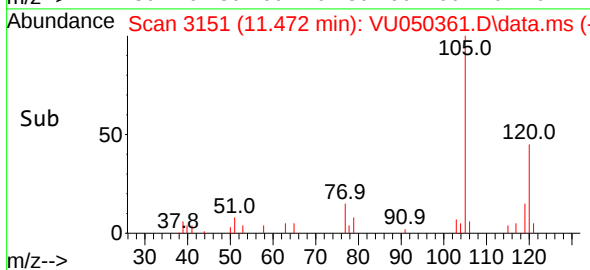
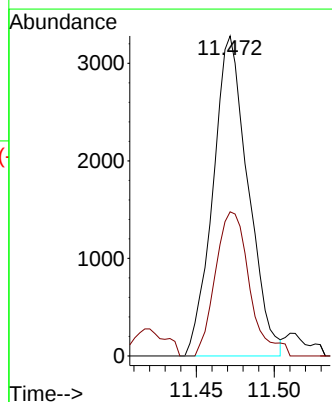
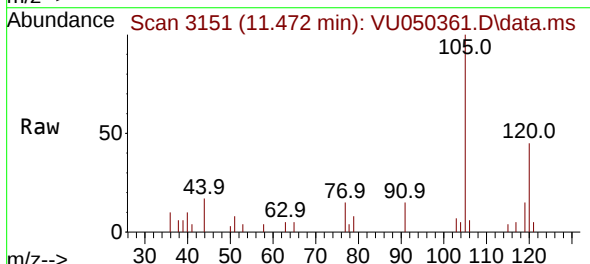
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

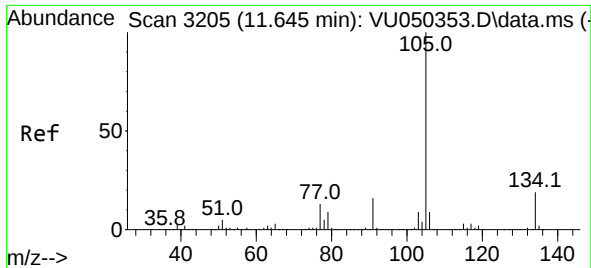
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:119 | Resp: | 5094      |
| Ion Ratio   | Lower | Upper     |
| 119         | 100   |           |
| 91          | 59.8  | 30.4 91.3 |
| 134         | 22.0  | 17.8 26.6 |



#78  
1,2,4-Trimethylbenzene  
Concen: 0.141 ug/l  
RT: 11.472 min Scan# 3151  
Delta R.T. 0.004 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 5134      |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 43.7  | 21.6 65.0 |

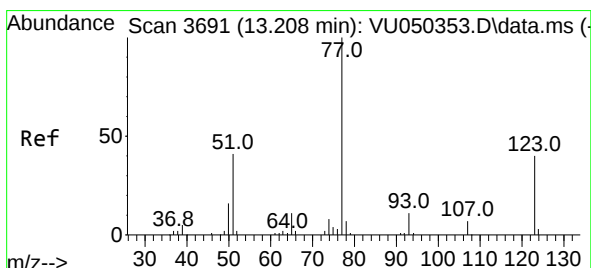
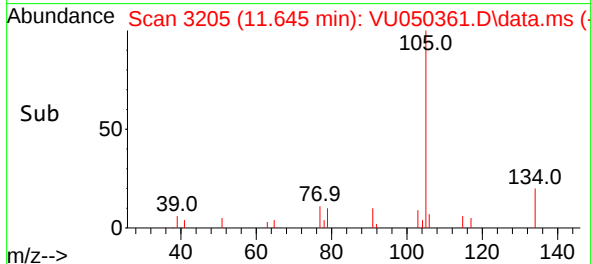
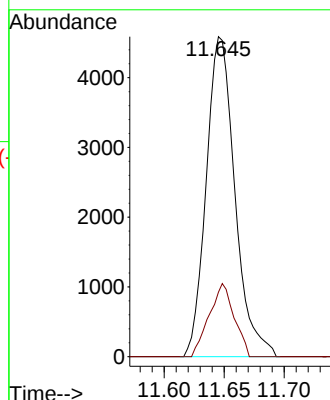
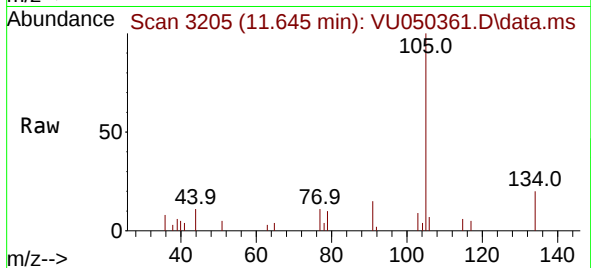




#79  
 sec-Butylbenzene  
 Concen: 0.165 ug/l  
 RT: 11.645 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU050361.D  
 Acq: 17 Aug 2022 18:30

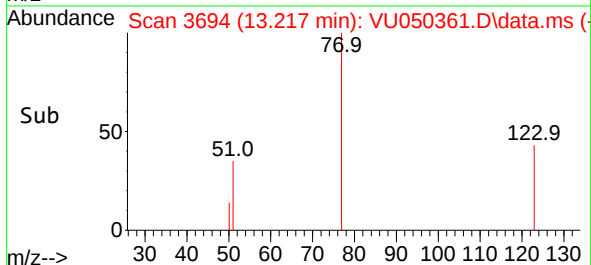
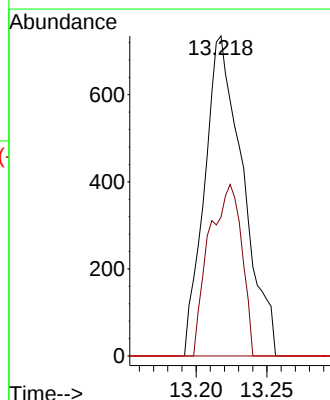
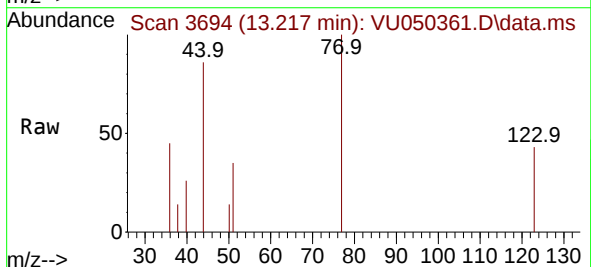
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2022

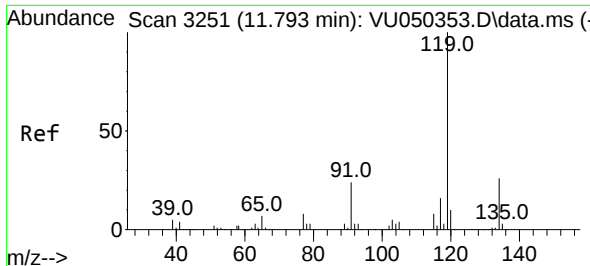
Tgt Ion:105 Resp: 7630  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 15.4 23.0



#80  
 Nitrobenzene  
 Concen: 1.670 ug/l  
 RT: 13.217 min Scan# 3694  
 Delta R.T. 0.009 min  
 Lab File: VU050361.D  
 Acq: 17 Aug 2022 18:30

Tgt Ion: 77 Resp: 1381  
 Ion Ratio Lower Upper  
 77 100  
 123 45.6 18.1 64.3  
 65 0.0 10.8 13.8#

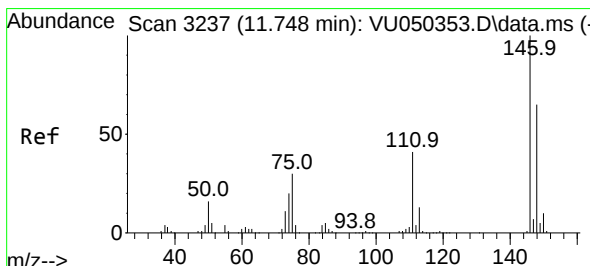
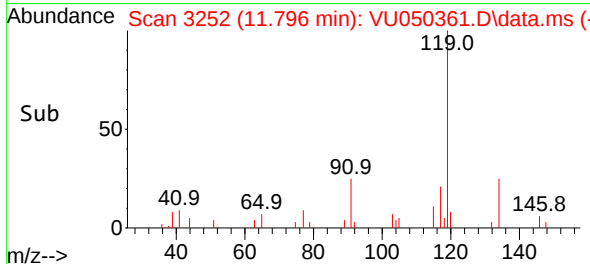
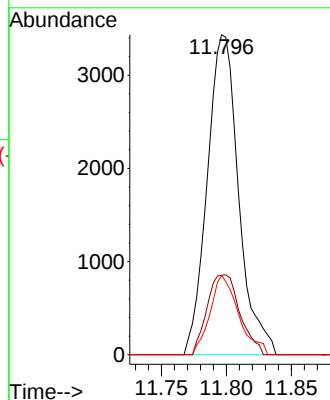
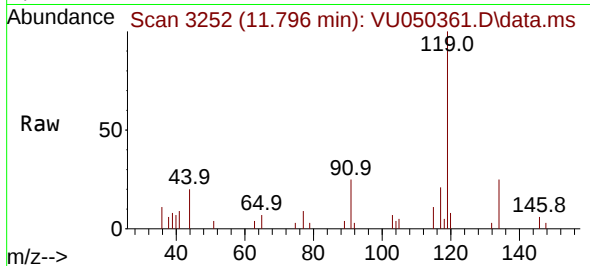




#81  
 p-Isopropyltoluene  
 Concen: 0.094 ug/l  
 RT: 11.796 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU050361.D  
 Acq: 17 Aug 2022 18:30

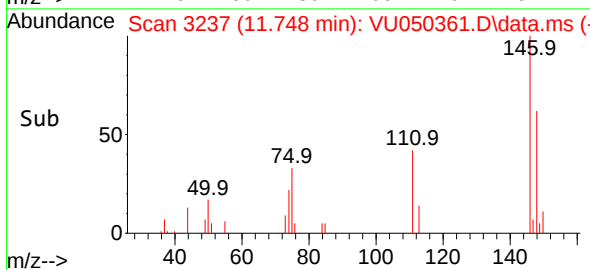
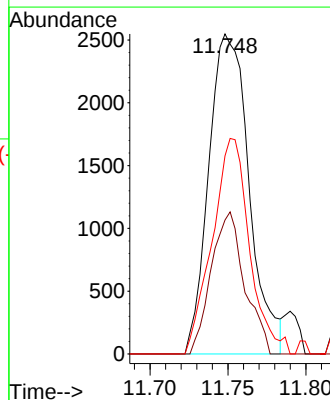
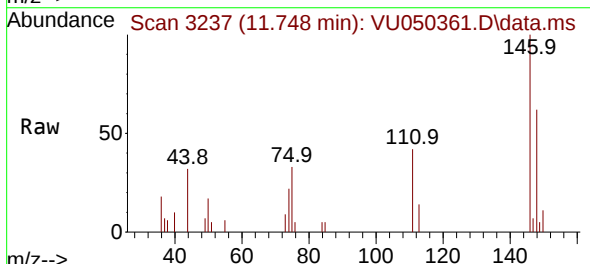
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2022

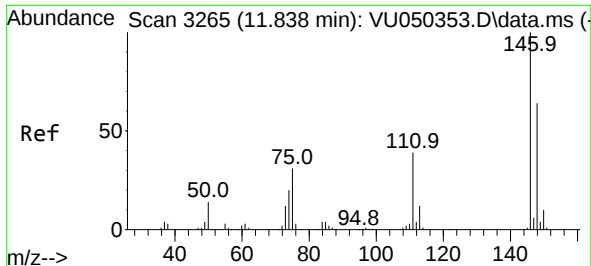
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 5765  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 26.1  | 20.5  | 30.7  |
| 91       | 22.6  | 19.8  | 29.6  |



#82  
 1,3-Dichlorobenzene  
 Concen: 0.198 ug/l  
 RT: 11.748 min Scan# 3237  
 Delta R.T. 0.000 min  
 Lab File: VU050361.D  
 Acq: 17 Aug 2022 18:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 4592  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 36.8  | 33.4  | 50.2  |
| 148      | 62.3  | 51.2  | 76.8  |

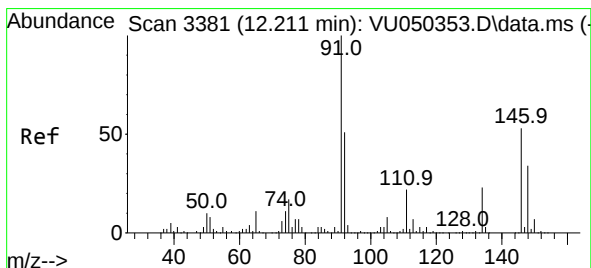
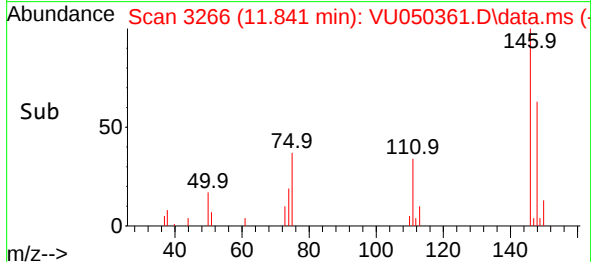
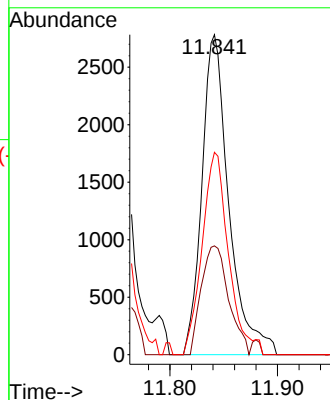
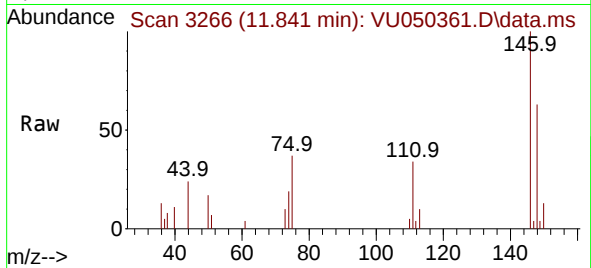




#83  
1,4-Dichlorobenzene  
Concen: 0.204 ug/l  
RT: 11.841 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

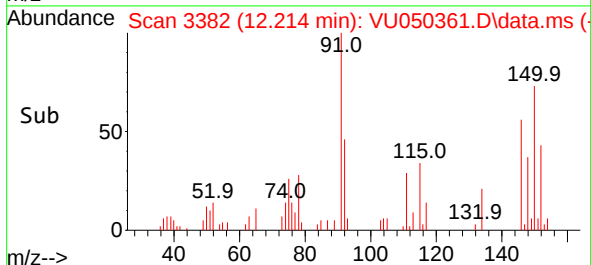
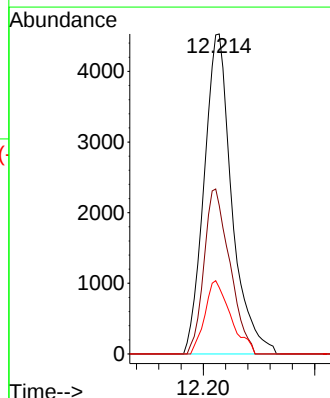
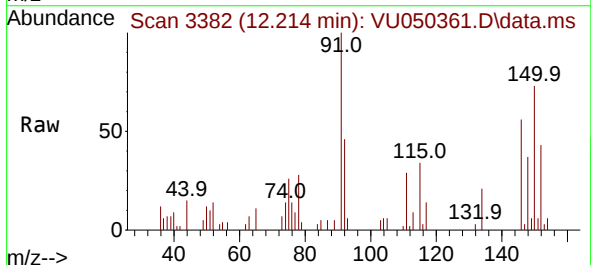
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

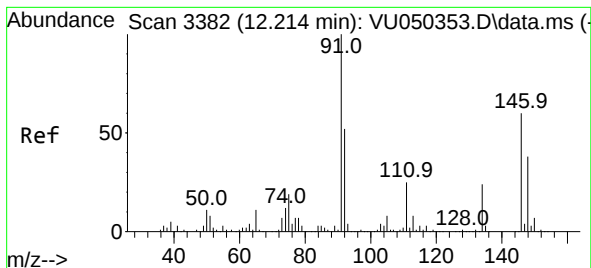
Tgt Ion:146 Resp: 4850  
Ion Ratio Lower Upper  
146 100  
111 34.6 32.6 49.0  
148 62.3 51.6 77.4



#84  
n-Butylbenzene  
Concen: 0.209 ug/l  
RT: 12.214 min Scan# 3382  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion: 91 Resp: 7829  
Ion Ratio Lower Upper  
91 100  
92 47.9 42.3 63.5  
134 21.3 19.6 29.4





#85

1,2-Dichlorobenzene

Concen: 0.192 ug/l

RT: 12.218 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2022

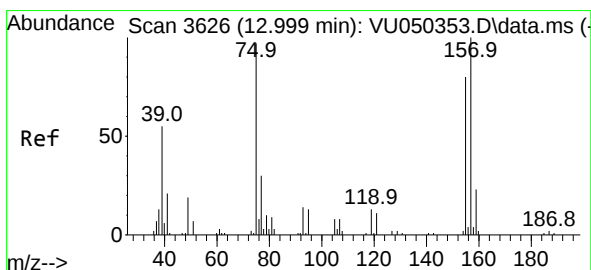
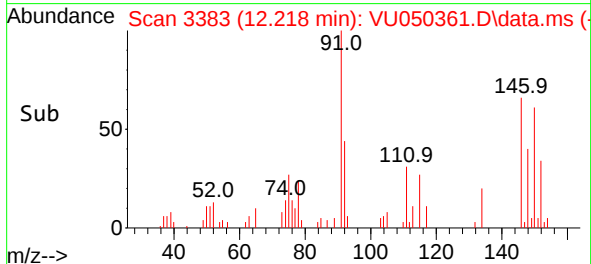
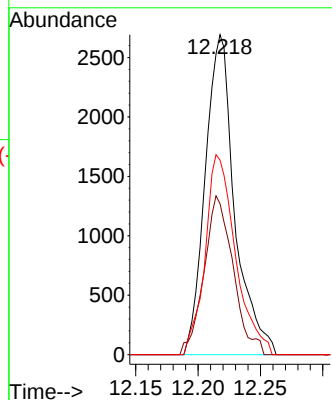
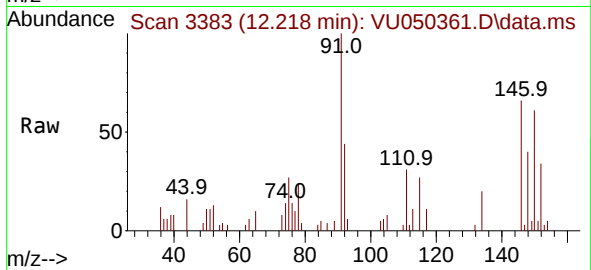
Tgt Ion:146 Resp: 4424

Ion Ratio Lower Upper

146 100

111 49.0 22.1 66.1

148 64.5 32.1 96.3



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.151 ug/l m

RT: 13.012 min Scan# 3630

Delta R.T. 0.013 min

Lab File: VU050361.D

Acq: 17 Aug 2022 18:30

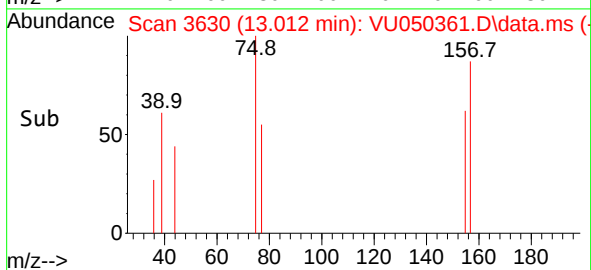
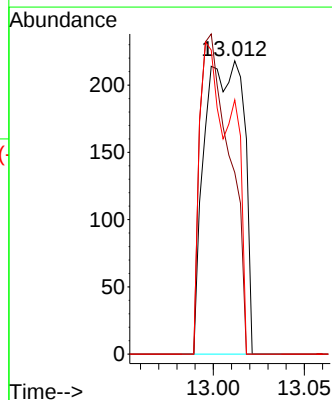
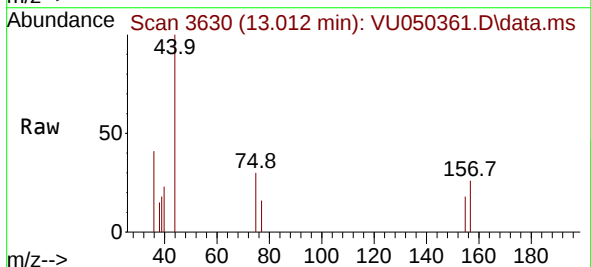
Tgt Ion: 75 Resp: 326

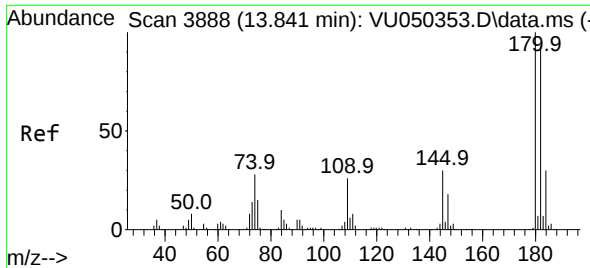
Ion Ratio Lower Upper

75 100

155 83.1 66.8 100.2

157 57.7 83.8 125.8#

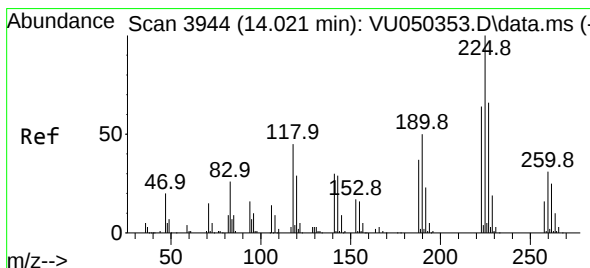
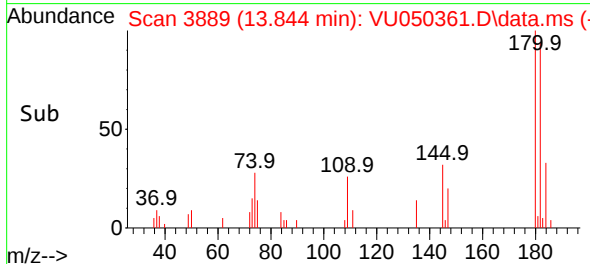
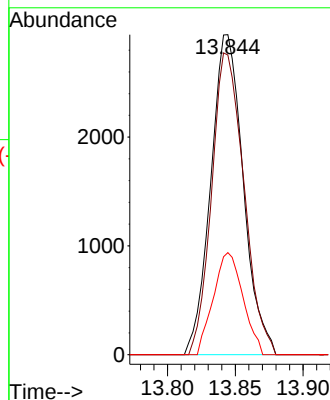
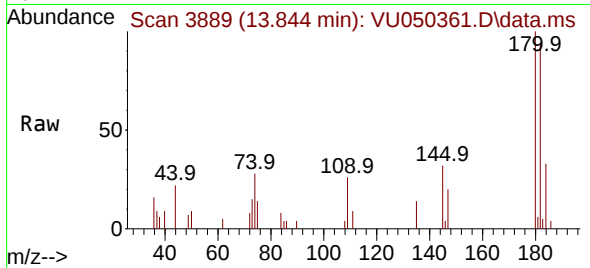




#87  
1,2,4-Trichlorobenzene  
Concen: 0.333 ug/l  
RT: 13.844 min Scan# 3888  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

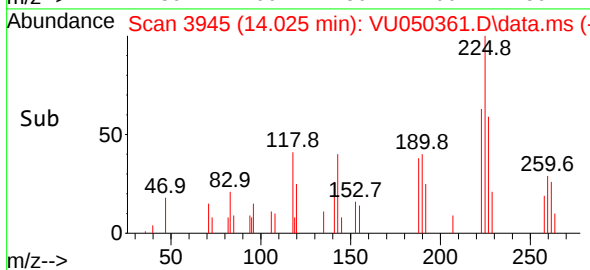
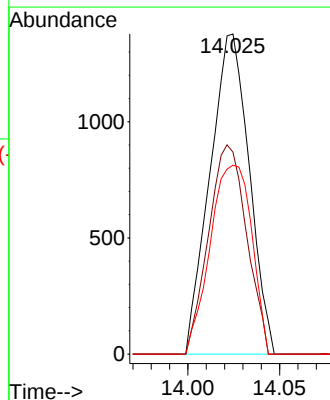
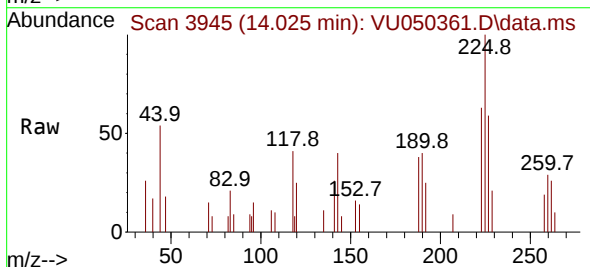
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

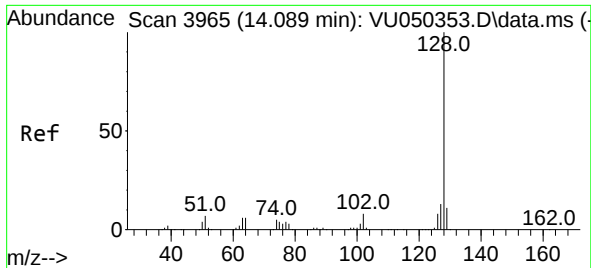
Tgt Ion:180 Resp: 4910  
Ion Ratio Lower Upper  
180 100  
182 93.5 77.0 115.6  
145 29.0 25.7 38.5



#88  
Hexachlorobutadiene  
Concen: 0.243 ug/l  
RT: 14.025 min Scan# 3945  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Tgt Ion:225 Resp: 2046  
Ion Ratio Lower Upper  
225 100  
223 63.5 50.6 76.0  
227 62.6 50.7 76.1

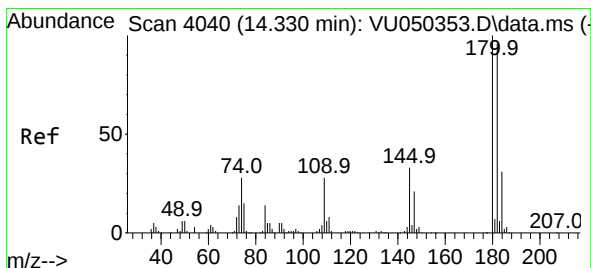
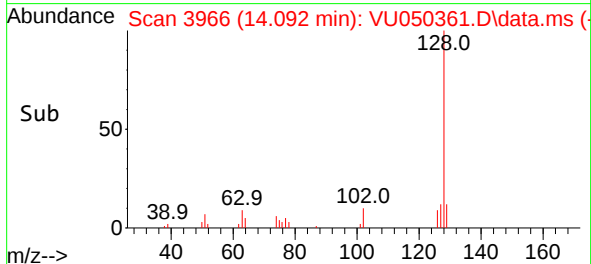
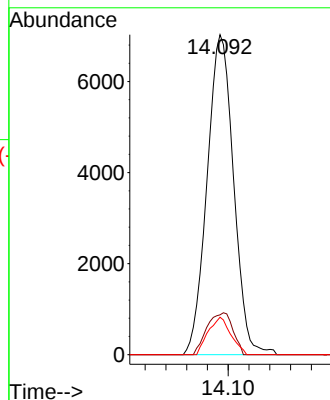
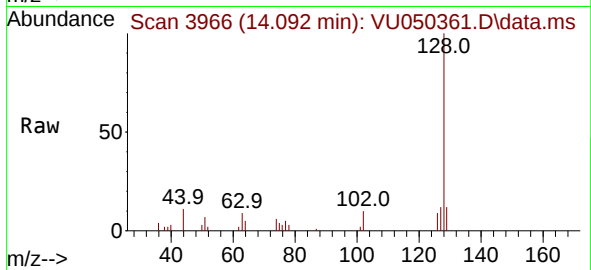




#89  
Naphthalene  
Concen: 0.431 ug/l  
RT: 14.092 min Scan# 3966  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 12454     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 12.8  | 10.1 15.1 |
| 129         | 9.9   | 8.6 12.8  |



#90  
1,2,3-Trichlorobenzene  
Concen: 0.365 ug/l  
RT: 14.333 min Scan# 4041  
Delta R.T. 0.003 min  
Lab File: VU050361.D  
Acq: 17 Aug 2022 18:30

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 5411       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 96.5  | 76.6 114.8 |
| 145         | 32.0  | 27.3 40.9  |

