

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU081722\  
 Data File : VU050362.D  
 Acq On : 17 Aug 2022 18:57  
 Operator : SY/MD  
 Sample : N3980-07 0.4ppb  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 18 07:59:13 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             | 6.134  | 96   | 34715    | 1.000 | ug/l    | # 0.01   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.642 | 95   | 8988     | 0.753 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 75.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.195 | 152  | 10832    | 0.764 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 76.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.385  | 85   | 4044     | 0.297 | ug/l    | 96       |
| 3) Chloromethane             | 1.520  | 50   | 5822     | 0.356 | ug/l    | 94       |
| 4) Vinyl Chloride            | 1.604  | 62   | 4860     | 0.330 | ug/l    | 97       |
| 5) Bromomethane              | 1.858  | 94   | 2309     | 0.361 | ug/l    | 95       |
| 6) Chloroethane              | 1.935  | 64   | 3334     | 0.367 | ug/l    | 99       |
| 7) Trichlorofluoromethane    | 2.141  | 101  | 5527     | 0.319 | ug/l    | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.587  | 101  | 2880     | 0.307 | ug/l    | 97       |
| 9) 1,1-Dichloroethene        | 2.587  | 96   | 3375     | 0.347 | ug/l    | 95       |
| 10) Iodomethane              | 2.732  | 142  | 2629     | 0.286 | ug/l    | 91       |
| 11) Allyl Chloride           | 2.938  | 41   | 5279     | 0.330 | ug/l    | 98       |
| 12) Acrylonitrile            | 3.343  | 53   | 1648     | 0.512 | ug/l    | 92       |
| 13) Acetone                  | 2.645  | 43   | 3055     | 1.099 | ug/l    | 94       |
| 14) Carbon Disulfide         | 2.803  | 76   | 11722    | 0.352 | ug/l    | 100      |
| 15) Methylene Chloride       | 3.063  | 84   | 18083    | 0.917 | ug/l    | 98       |
| 16) trans-1,2-Dichloroethene | 3.372  | 96   | 3875     | 0.360 | ug/l    | 87       |
| 17) 1,1-Dichloroethane       | 3.890  | 63   | 7381     | 0.352 | ug/l #  | 91       |
| 18) 2-Butanone               | 4.767  | 43   | 4072     | 1.190 | ug/l    | 98       |
| 19) Cyclohexane              | 5.369  | 56   | 4677m    | 0.368 | ug/l    |          |
| 20) Methylcyclohexane        | 6.803  | 83   | 2993     | 0.244 | ug/l    | 91       |
| 21) 2,2-Dichloropropane      | 4.677  | 77   | 5694     | 0.366 | ug/l    | 97       |
| 22) cis-1,2-Dichloroethene   | 4.677  | 96   | 4348     | 0.382 | ug/l    | 98       |
| 23) Diethyl Ether            | 2.382  | 59   | 2863     | 0.304 | ug/l    | 89       |
| 24) tert-Butyl Alcohol       | 3.234  | 59   | 2902     | 2.387 | ug/l #  | 81       |
| 25) Methyl tert-Butyl Ether  | 3.401  | 73   | 9077     | 0.329 | ug/l #  | 88       |
| 26) Bromochloromethane       | 4.983  | 128  | 1437     | 0.280 | ug/l    | 89       |
| 27) Chloroform               | 5.089  | 83   | 7559     | 0.364 | ug/l    | 90       |
| 28) 1,1,1-Trichloroethane    | 5.301  | 97   | 5618     | 0.348 | ug/l    | 95       |
| 29) 1,1-Dichloropropene      | 5.513  | 75   | 5126     | 0.404 | ug/l #  | 90       |
| 30) Carbon Tetrachloride     | 5.513  | 117  | 4258     | 0.323 | ug/l    | 96       |
| 31) Isopropyl Ether          | 4.031  | 45   | 11249    | 0.360 | ug/l    | 89       |
| 32) Ethyl-t-butyl ether      | 4.542  | 59   | 8947     | 0.356 | ug/l    | 97       |
| 33) Tert-Amyl methyl ether   | 5.976  | 73   | 5602     | 0.321 | ug/l #  | 91       |
| 34) Propionitrile            | 4.819  | 54   | 1313m    | 1.151 | ug/l    |          |
| 35) Benzene                  | 5.774  | 78   | 14195    | 0.342 | ug/l    | 96       |
| 36) 1,2-Dichloroethane       | 5.806  | 62   | 4215     | 0.323 | ug/l #  | 87       |
| 37) Trichloroethene          | 6.584  | 130  | 3378     | 0.334 | ug/l    | 91       |
| 38) 1,2-Dichloropropane      | 6.838  | 63   | 3360     | 0.291 | ug/l #  | 82       |
| 39) Methacrylonitrile        | 5.005  | 41   | 1514     | 0.413 | ug/l #  | 81       |
| 40) Methyl acrylate          | 4.874  | 55   | 2769     | 0.432 | ug/l #  | 77       |
| 41) Tetrahydrofuran          | 5.092  | 42   | 1497     | 0.726 | ug/l    | 93       |
| 42) 1-Chlorobutane           | 5.449  | 56   | 6954     | 0.391 | ug/l    | 97       |
| 43) Dibromomethane           | 6.960  | 93   | 2010     | 0.316 | ug/l    | 94       |
| 44) Bromodichloromethane     | 7.147  | 83   | 4739     | 0.323 | ug/l    | 93       |

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 Sample : N3980-07 0.4ppb  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

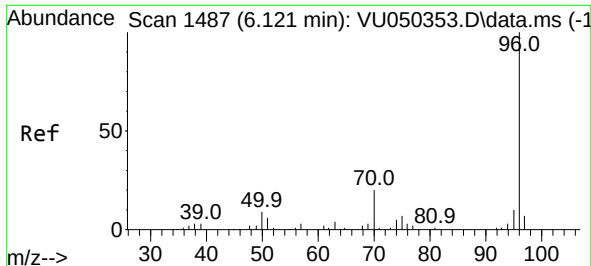
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 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2022

Quant Time: Aug 18 07:59:13 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      | 7.832  | 43   | 9251     | 1.327 | ug/l   | 88       |
| 46) t-1,4-Dichloro-2-butene   | 10.835 | 75   | 1609m    | 0.701 | ug/l   |          |
| 47) Methyl methacrylate       | 7.012  | 69   | 2322     | 0.452 | ug/l # | 93       |
| 48) Ethyl methacrylate        | 8.359  | 69   | 2060     | 0.229 | ug/l   | 98       |
| 49) Toluene                   | 7.992  | 92   | 5766     | 0.246 | ug/l   | 96       |
| 50) t-1,3-Dichloropropene     | 8.234  | 75   | 3269     | 0.269 | ug/l   | 95       |
| 51) cis-1,3-Dichloropropene   | 7.642  | 75   | 3711     | 0.270 | ug/l # | 84       |
| 52) 1,1,2-Trichloroethane     | 8.420  | 97   | 2832     | 0.298 | ug/l   | 97       |
| 53) 1,3-Dichloropropane       | 8.597  | 76   | 4137     | 0.281 | ug/l   | 99       |
| 54) 2-Hexanone                | 8.713  | 43   | 5908     | 1.247 | ug/l   | 84       |
| 55) Dibromochloromethane      | 8.832  | 129  | 3154     | 0.312 | ug/l   | 98       |
| 56) 1,2-Dibromoethane         | 8.944  | 107  | 2610     | 0.318 | ug/l   | 91       |
| 58) Tetrachloroethene         | 8.574  | 164  | 2893     | 0.303 | ug/l   | 89       |
| 59) Chlorobenzene             | 9.459  | 112  | 7147     | 0.281 | ug/l   | 92       |
| 60) 1,1,1,2-Tetrachloroethane | 9.549  | 131  | 3179     | 0.308 | ug/l   | 91       |
| 61) Pentachloroethane         | 11.436 | 117  | 2854     | 0.339 | ug/l # | 78       |
| 62) Hexachloroethane          | 12.478 | 117  | 1961     | 0.277 | ug/l   | 96       |
| 63) Ethyl Benzene             | 9.584  | 91   | 9604     | 0.242 | ug/l   | 95       |
| 64) m/p-Xylenes               | 9.703  | 106  | 6795     | 0.437 | ug/l   | 95       |
| 65) o-Xylene                  | 10.108 | 106  | 3559     | 0.239 | ug/l   | 93       |
| 66) Styrene                   | 10.127 | 104  | 5469     | 0.220 | ug/l   | 97       |
| 67) Bromoform                 | 10.298 | 173  | 1681     | 0.291 | ug/l # | 95       |
| 69) Isopropylbenzene          | 10.491 | 105  | 8740     | 0.230 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.793 | 83   | 4064     | 0.315 | ug/l   | 97       |
| 71) 1,2,3-Trichloropropane    | 10.835 | 75   | 2296m    | 0.250 | ug/l   |          |
| 72) Bromobenzene              | 10.790 | 156  | 2768     | 0.261 | ug/l   | 95       |
| 73) n-propylbenzene           | 10.915 | 120  | 2288     | 0.228 | ug/l   | 96       |
| 74) 2-Chlorotoluene           | 10.996 | 126  | 2482     | 0.252 | ug/l   | 83       |
| 75) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 7249     | 0.219 | ug/l   | 96       |
| 76) 4-Chlorotoluene           | 11.105 | 126  | 2314     | 0.231 | ug/l   | 89       |
| 77) tert-Butylbenzene         | 11.426 | 119  | 8074     | 0.244 | ug/l   | 89       |
| 78) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 7266     | 0.209 | ug/l   | 95       |
| 79) sec-Butylbenzene          | 11.648 | 105  | 8903     | 0.200 | ug/l   | 99       |
| 80) Nitrobenzene              | 13.220 | 77   | 1371     | 1.727 | ug/l # | 74       |
| 81) p-Isopropyltoluene        | 11.796 | 119  | 7321     | 0.124 | ug/l   | 97       |
| 82) 1,3-Dichlorobenzene       | 11.751 | 146  | 6340     | 0.285 | ug/l   | 90       |
| 83) 1,4-Dichlorobenzene       | 11.844 | 146  | 5994     | 0.262 | ug/l   | 95       |
| 84) n-Butylbenzene            | 12.214 | 91   | 7542     | 0.210 | ug/l   | 97       |
| 85) 1,2-Dichlorobenzene       | 12.214 | 146  | 5908     | 0.267 | ug/l   | 96       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 454      | 0.219 | ug/l # | 64       |
| 87) 1,2,4-Trichlorobenzene    | 13.844 | 180  | 4181     | 0.296 | ug/l   | 98       |
| 88) Hexachlorobutadiene       | 14.021 | 225  | 2377     | 0.294 | ug/l   | 92       |
| 89) Naphthalene               | 14.092 | 128  | 9424     | 0.340 | ug/l   | 98       |
| 90) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 4276     | 0.300 | ug/l   | 96       |

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

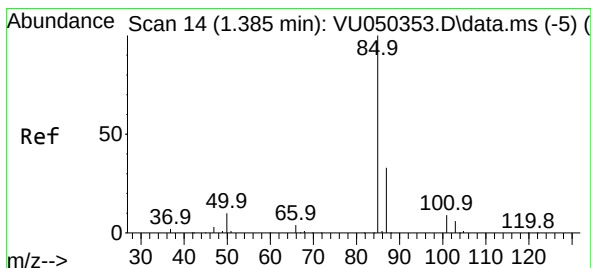
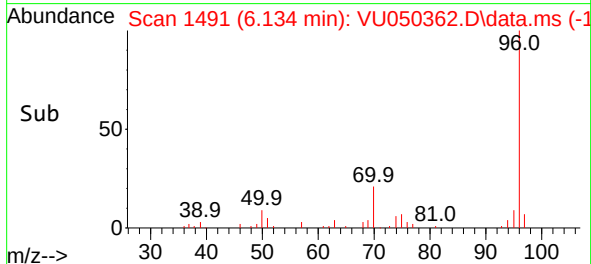
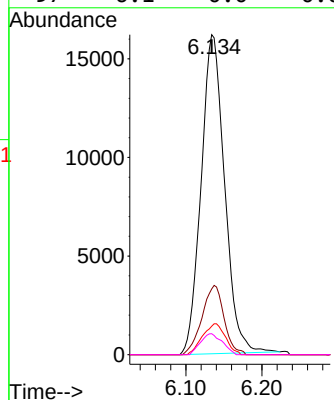
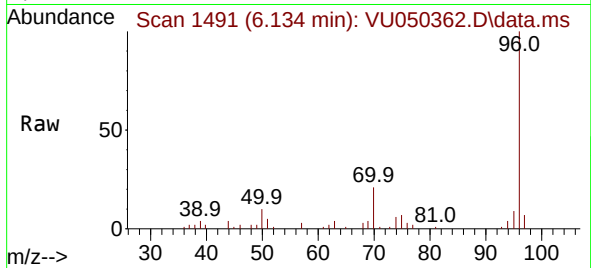




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.134 min Scan# 14  
Delta R.T. 0.013 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

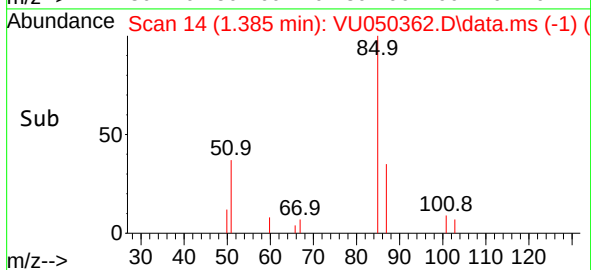
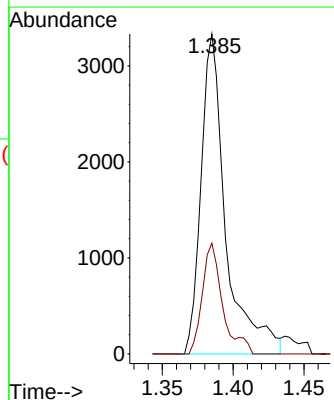
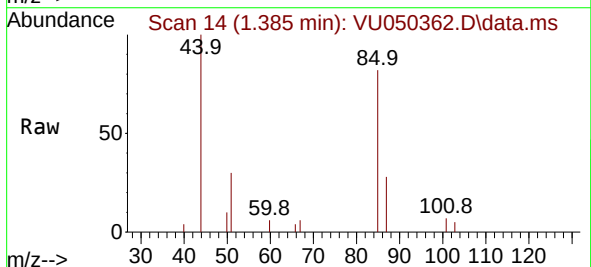
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

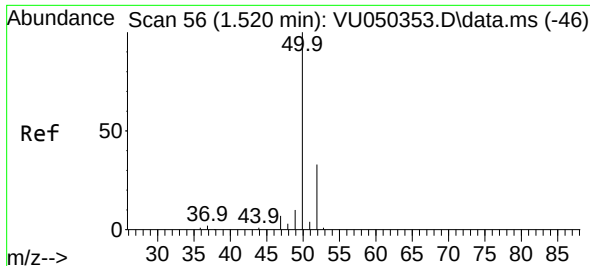
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 34715 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 20.4  | 16.7  | 25.1  |
| 95       | 9.4   | 7.4   | 11.0  |
| 97       | 6.1   | 0.0   | 0.0   |



#2  
Dichlorodifluoromethane  
Concen: 0.297 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 4044  |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 34.6  | 16.3  | 48.8  |

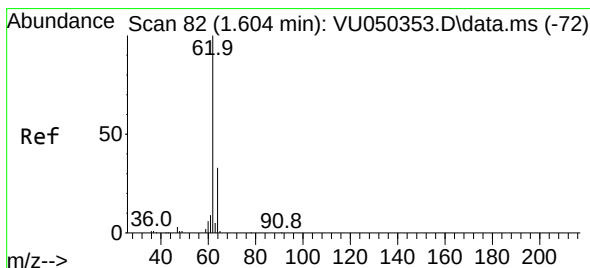
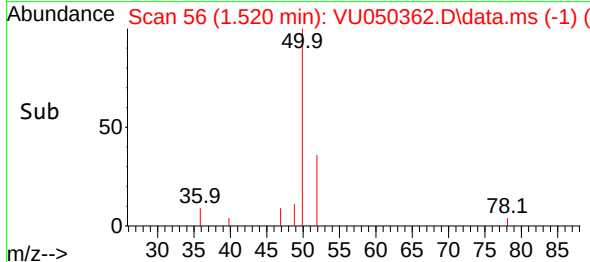
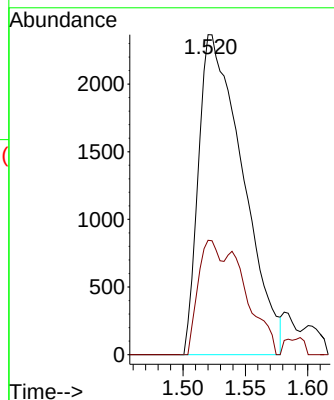
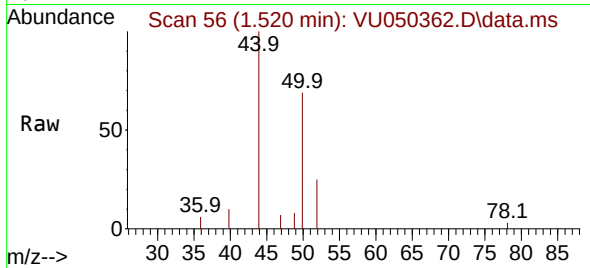




#3  
Chloromethane  
Concen: 0.356 ug/l  
RT: 1.520 min Scan# 50  
Delta R.T. -0.000 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

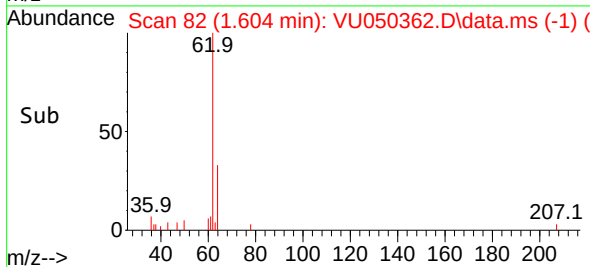
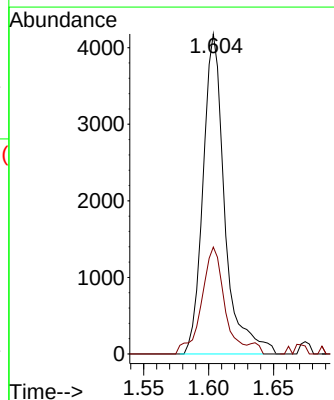
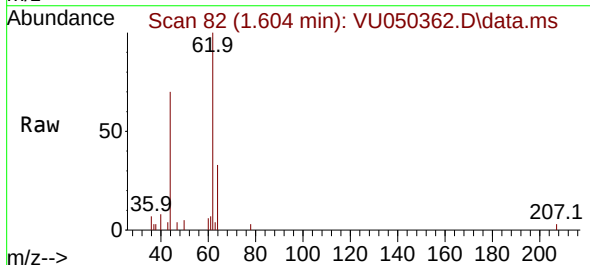
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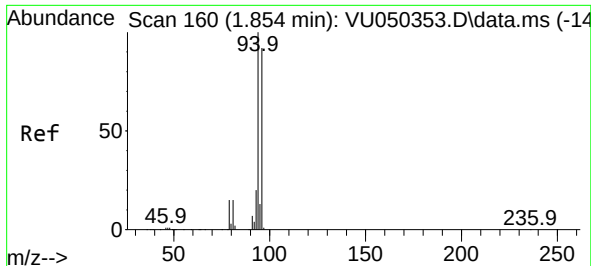
Tgt Ion: 50 Resp: 5822  
Ion Ratio Lower Upper  
50 100  
52 35.8 26.1 39.1



#4  
Vinyl Chloride  
Concen: 0.330 ug/l  
RT: 1.604 min Scan# 82  
Delta R.T. -0.000 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 62 Resp: 4860  
Ion Ratio Lower Upper  
62 100  
64 33.4 25.5 38.3

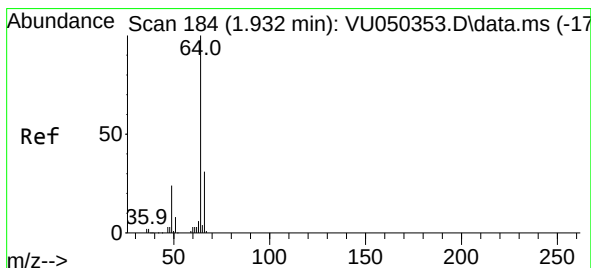
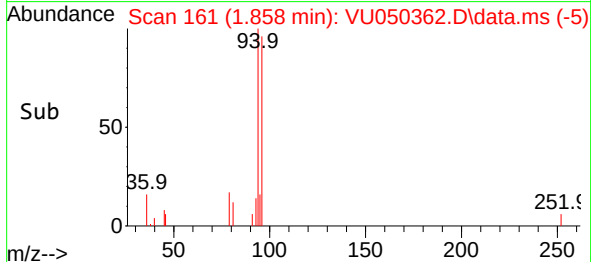
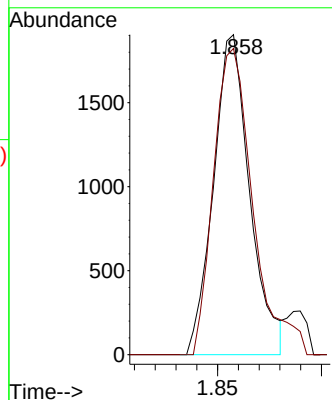
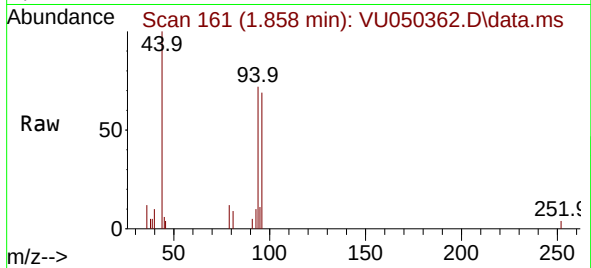




#5  
Bromomethane  
Concen: 0.361 ug/l  
RT: 1.858 min Scan# 161  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

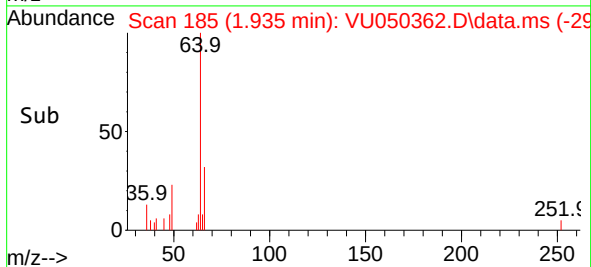
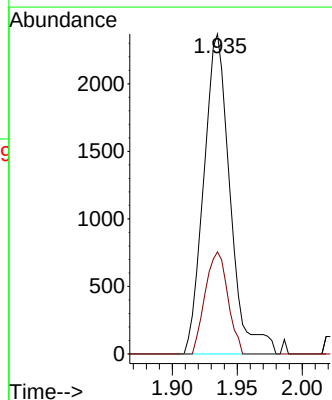
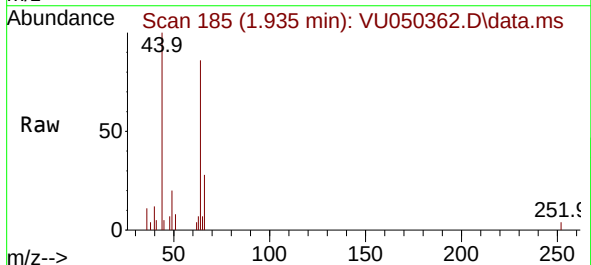
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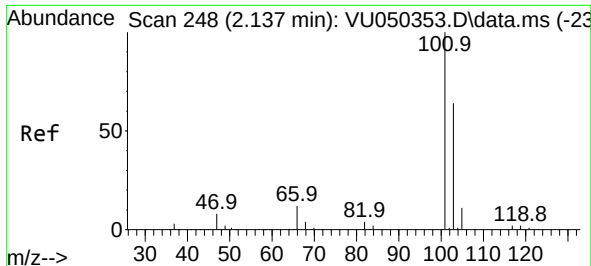
Tgt Ion: 94 Resp: 2309  
Ion Ratio Lower Upper  
94 100  
96 95.7 73.0 109.6



#6  
Chloroethane  
Concen: 0.367 ug/l  
RT: 1.935 min Scan# 185  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 64 Resp: 3334  
Ion Ratio Lower Upper  
64 100  
66 31.9 25.8 38.6

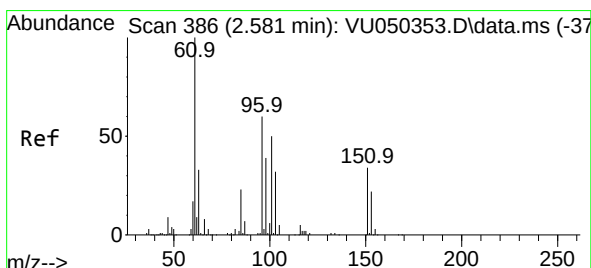
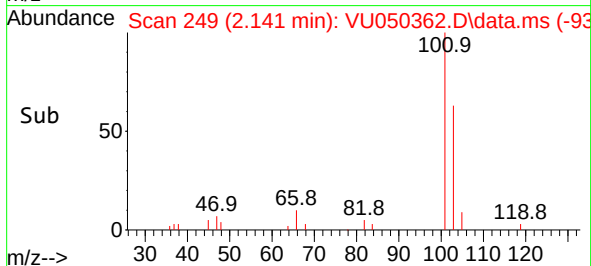
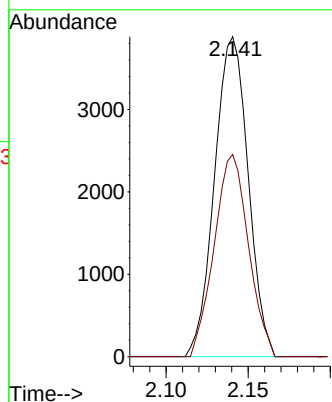
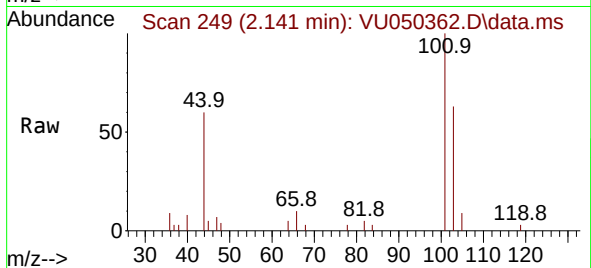




#7  
 Trichlorofluoromethane  
 Concen: 0.319 ug/l  
 RT: 2.141 min Scan# 248  
 Delta R.T. 0.003 min  
 Lab File: VU050362.D  
 Acq: 17 Aug 2022 18:57

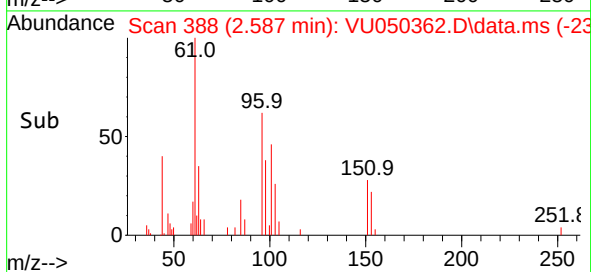
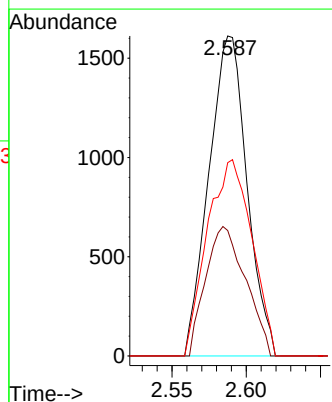
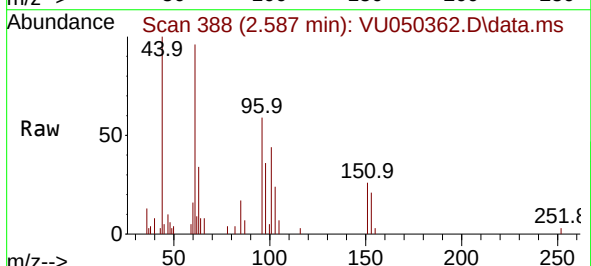
Instrument :  
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 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2022

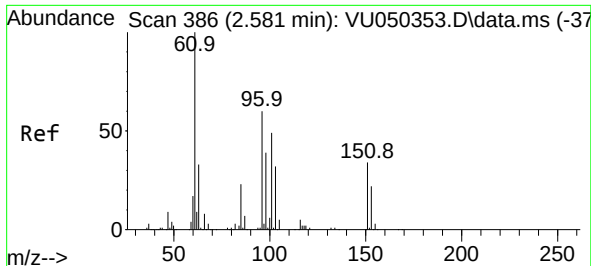
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 Ion Ratio Lower Upper  
 101 100  
 103 63.2 51.8 77.6



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.307 ug/l  
 RT: 2.587 min Scan# 388  
 Delta R.T. 0.006 min  
 Lab File: VU050362.D  
 Acq: 17 Aug 2022 18:57

Tgt Ion:101 Resp: 2880  
 Ion Ratio Lower Upper  
 101 100  
 85 42.4 36.4 54.6  
 151 71.7 59.1 88.7

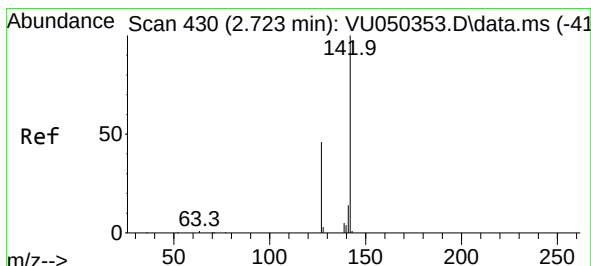
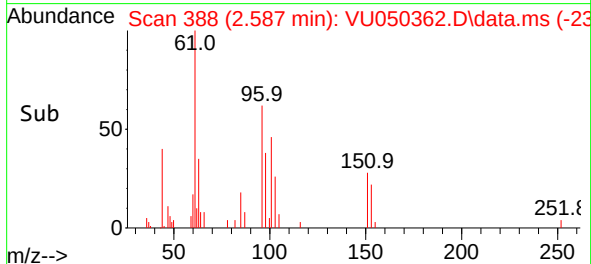
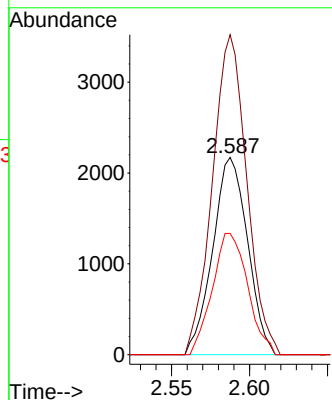
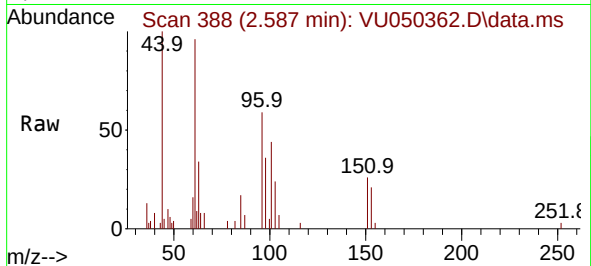




#9  
1,1-Dichloroethene  
Concen: 0.347 ug/l  
RT: 2.587 min Scan# 386  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

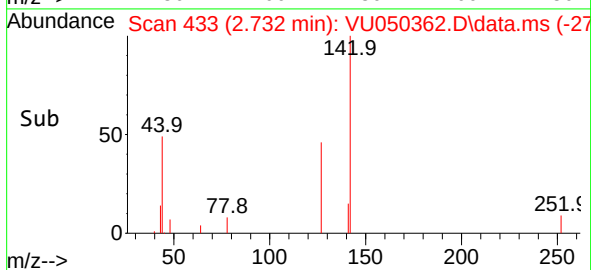
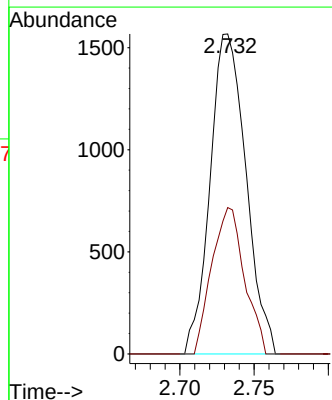
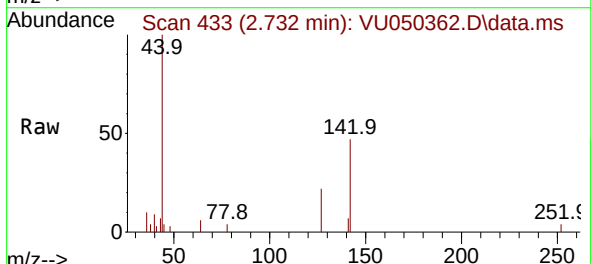
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 96 Resp: 3375  
Ion Ratio Lower Upper  
96 100  
61 162.3 0.0 510.6  
98 61.5 0.0 124.6

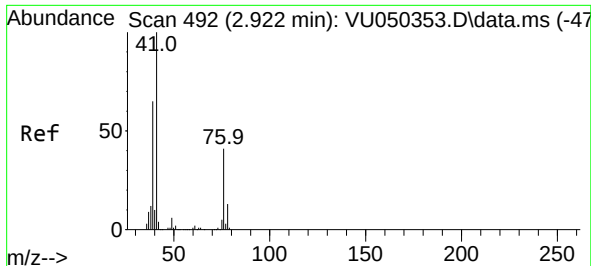


#10  
Iodomethane  
Concen: 0.286 ug/l  
RT: 2.732 min Scan# 433  
Delta R.T. 0.010 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 142 Resp: 2629  
Ion Ratio Lower Upper  
142 100  
127 41.7 38.2 57.2







#11

Allyl Chloride

Concen: 0.330 ug/l

RT: 2.938 min Scan# 497

Delta R.T. 0.016 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA\_U

ClientSampleId :

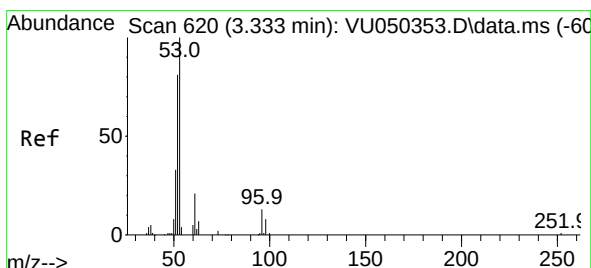
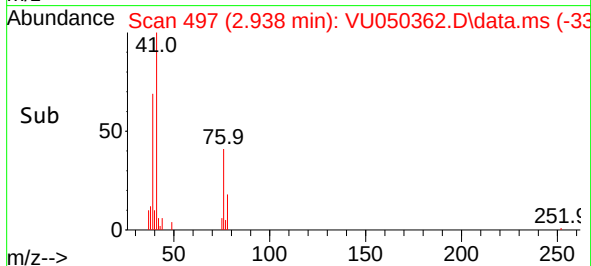
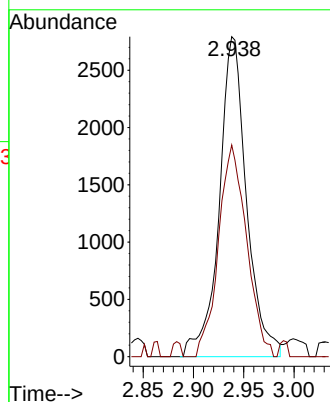
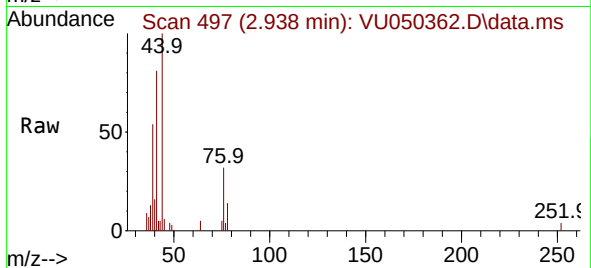
LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 41 Resp: 5279

Ion Ratio Lower Upper

41 100

39 68.1 53.2 79.8



#12

Acrylonitrile

Concen: 0.512 ug/l

RT: 3.343 min Scan# 623

Delta R.T. 0.010 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

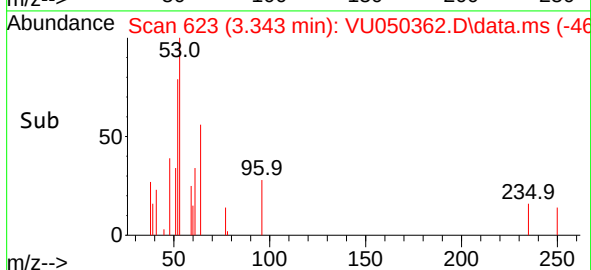
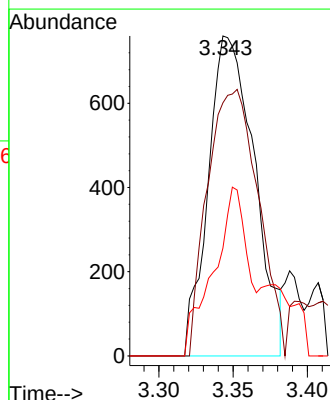
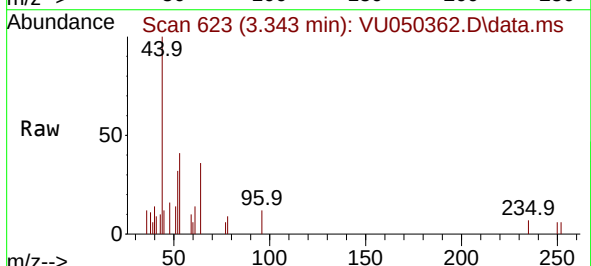
Tgt Ion: 53 Resp: 1648

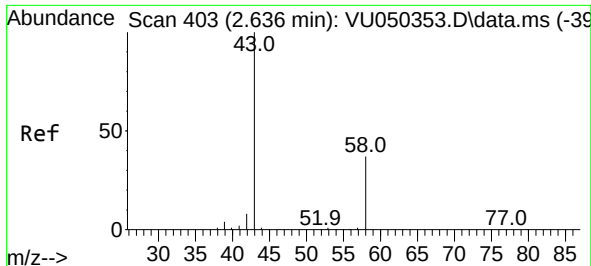
Ion Ratio Lower Upper

53 100

52 91.1 64.6 97.0

51 39.1 30.7 46.1





#13

Acetone

Concen: 1.099 ug/l

RT: 2.645 min Scan# 406

Delta R.T. 0.009 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA\_U

ClientSampleId :

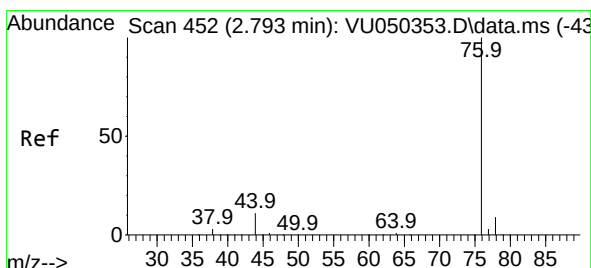
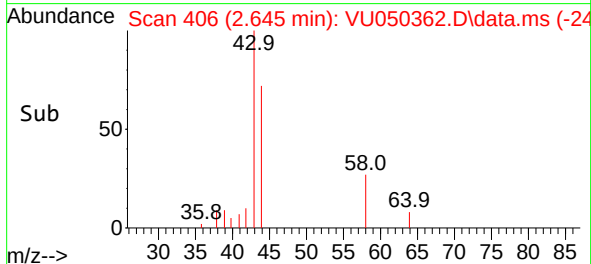
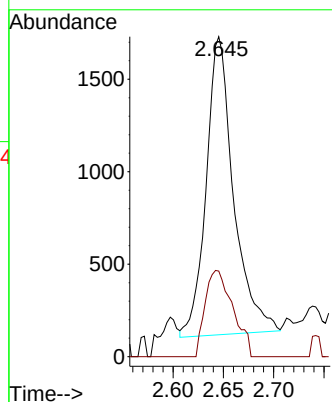
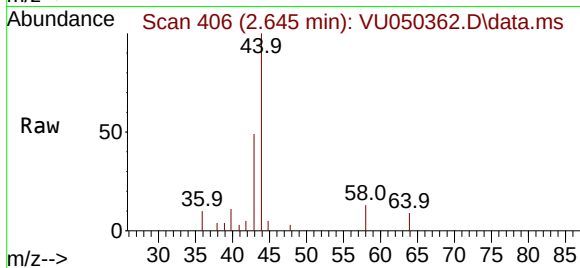
LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 43 Resp: 3055

Ion Ratio Lower Upper

43 100

58 29.1 26.2 39.2



#14

Carbon Disulfide

Concen: 0.352 ug/l

RT: 2.803 min Scan# 455

Delta R.T. 0.010 min

Lab File: VU050362.D

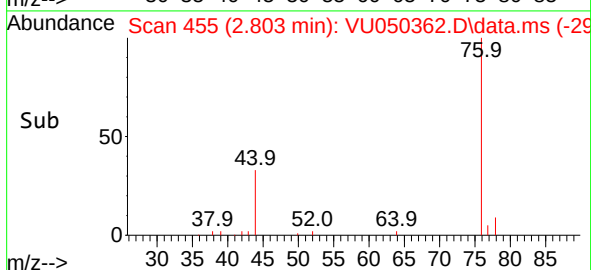
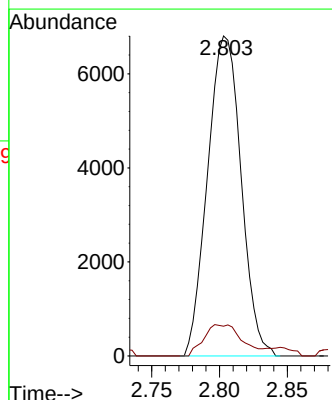
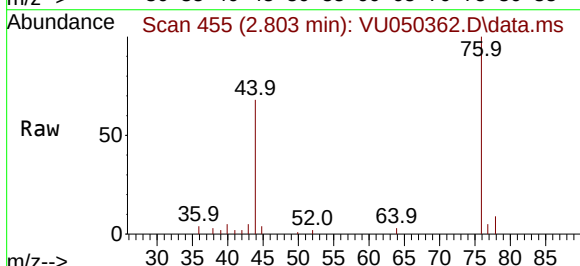
Acq: 17 Aug 2022 18:57

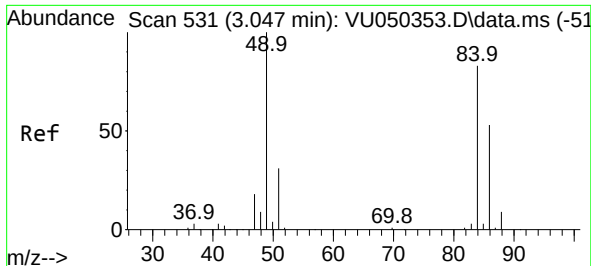
Tgt Ion: 76 Resp: 11722

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



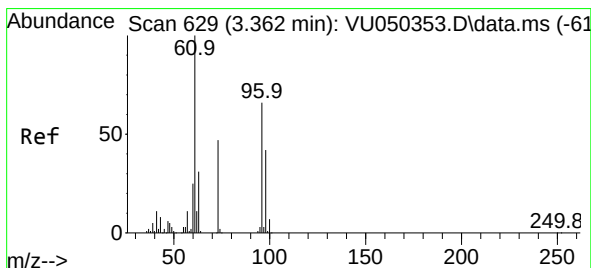
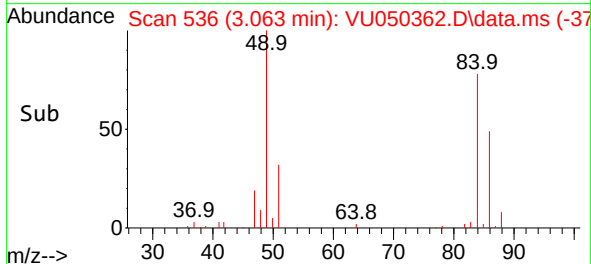
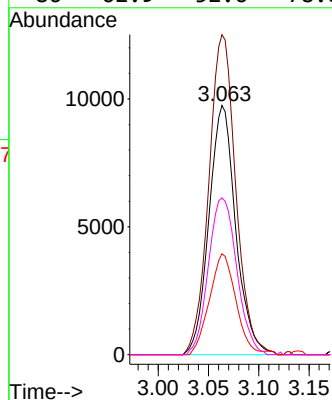
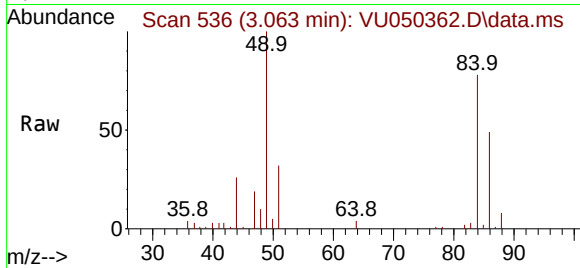


#15  
Methylene Chloride  
Concen: 0.917 ug/l  
RT: 3.063 min Scan# 51  
Delta R.T. 0.016 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

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

Tgt Ion: 84 Resp: 18083

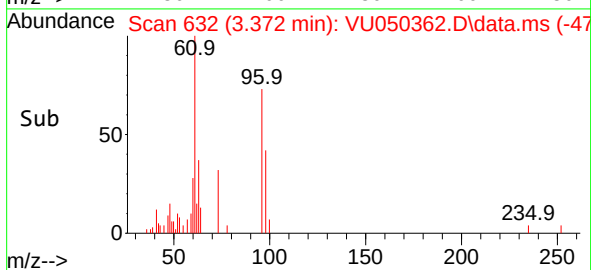
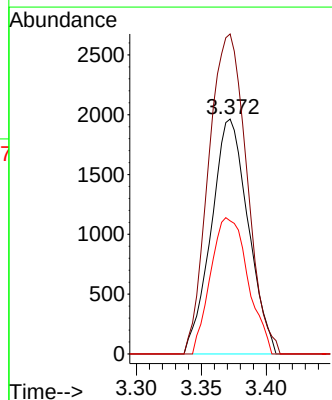
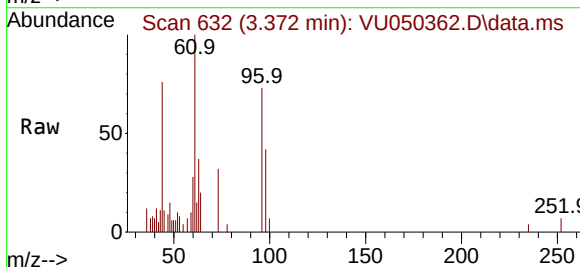
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 128.4 | 104.6 | 157.0 |
| 51  | 40.5  | 0.0   | 81.4  |
| 86  | 62.9  | 52.6  | 78.8  |

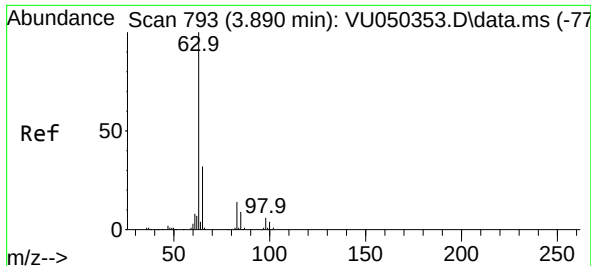


#16  
trans-1,2-Dichloroethene  
Concen: 0.360 ug/l  
RT: 3.372 min Scan# 632  
Delta R.T. 0.010 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 96 Resp: 3875

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 136.2 | 123.4 | 185.0 |
| 98  | 56.7  | 51.6  | 77.4  |

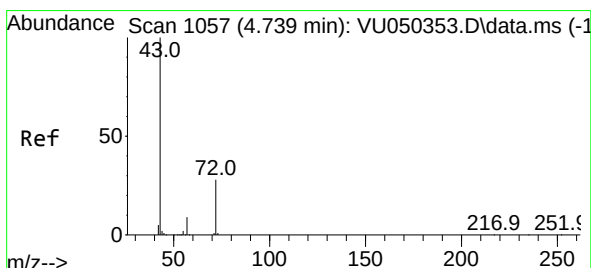
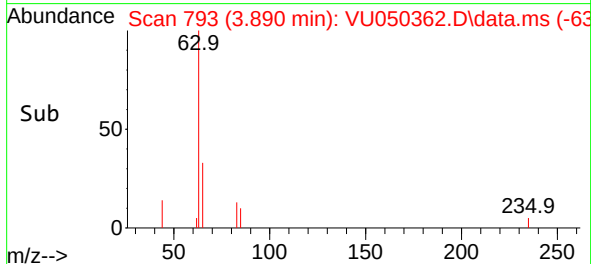
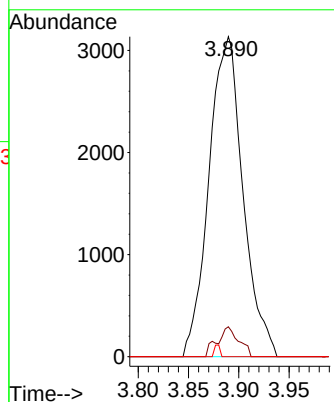
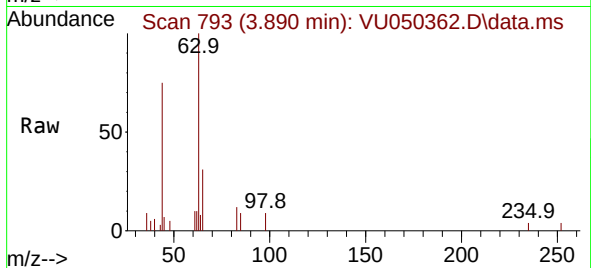




#17  
1,1-Dichloroethane  
Concen: 0.352 ug/l  
RT: 3.890 min Scan# 793  
Delta R.T. -0.000 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

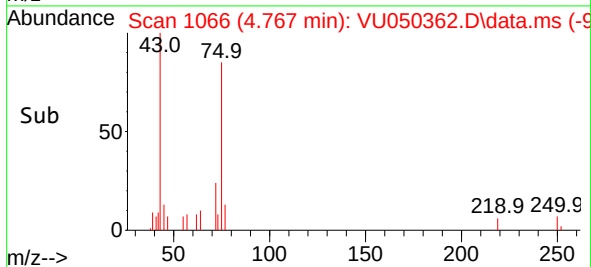
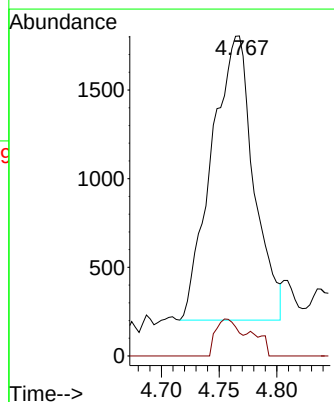
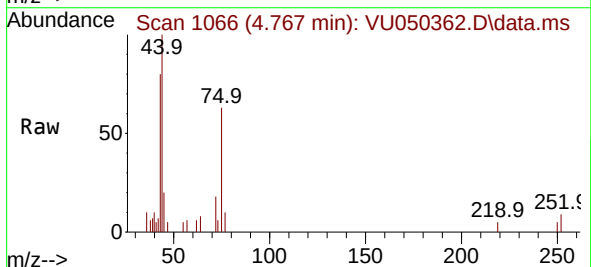
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT3-2022

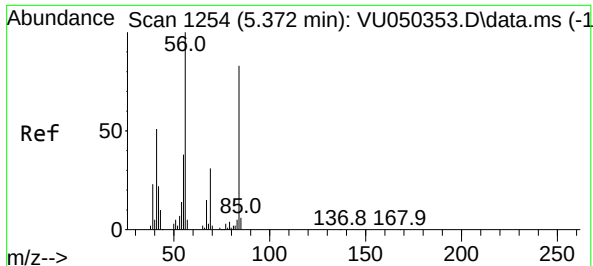
Tgt Ion: 63 Resp: 7381  
Ion Ratio Lower Upper  
63 100  
98 9.3 3.4 10.2  
100 0.0 2.0 6.0#



#18  
2-Butanone  
Concen: 1.190 ug/l  
RT: 4.767 min Scan# 1066  
Delta R.T. 0.029 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 43 Resp: 4072  
Ion Ratio Lower Upper  
43 100  
57 8.1 0.0 18.0

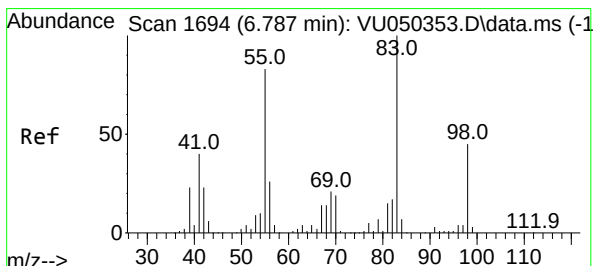
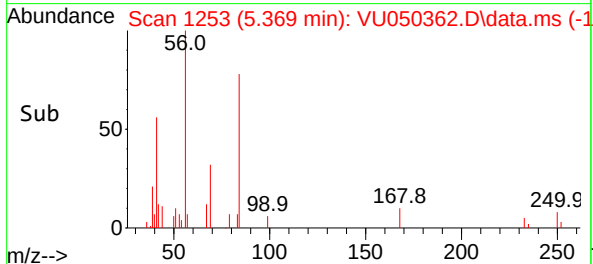
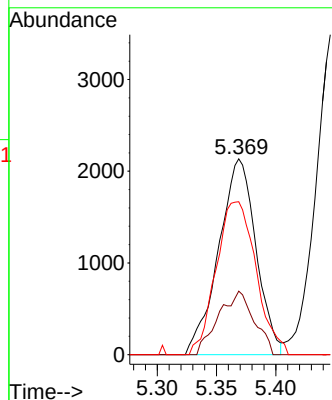
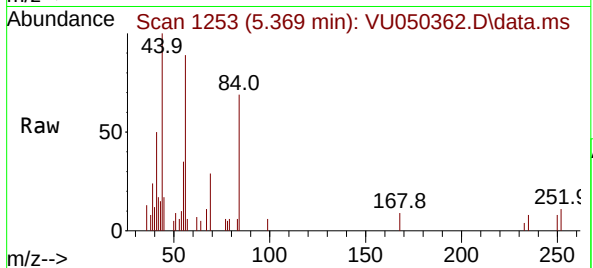




#19  
Cyclohexane  
Concen: 0.368 ug/l m  
RT: 5.369 min Scan# 1253  
Delta R.T. -0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

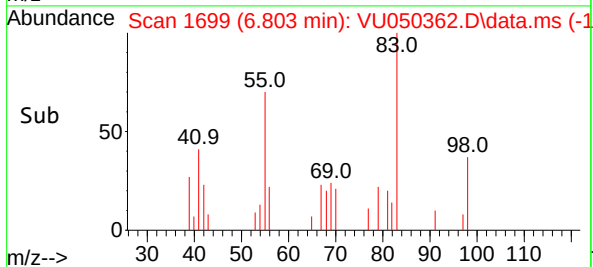
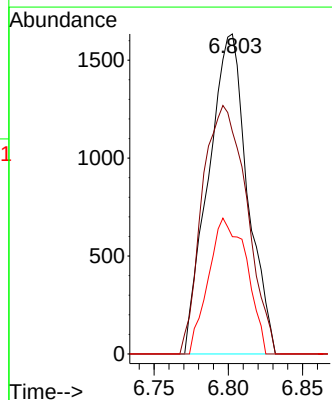
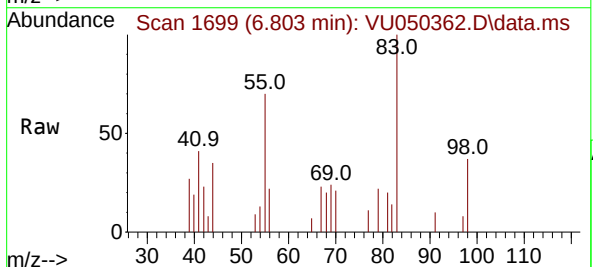
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

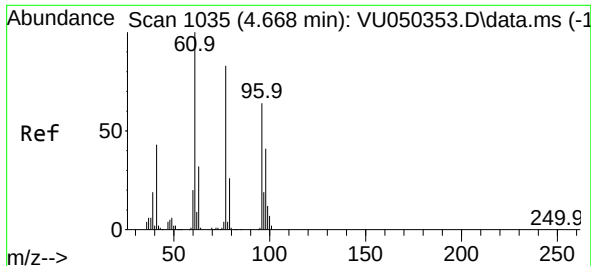
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 4677  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 30.9  | 24.2  | 36.4  |
| 84       | 83.3  | 63.4  | 95.2  |



#20  
Methylcyclohexane  
Concen: 0.244 ug/l  
RT: 6.803 min Scan# 1699  
Delta R.T. 0.016 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 2993  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 88.5  | 63.0  | 94.4  |
| 98       | 41.4  | 35.7  | 53.5  |

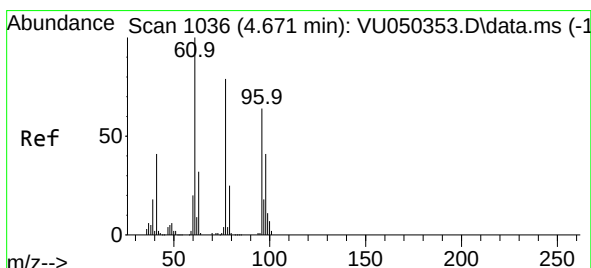
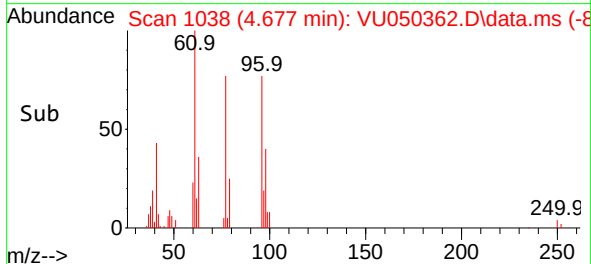
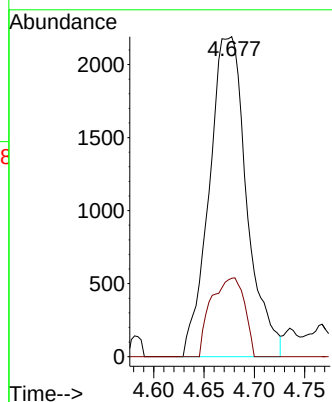
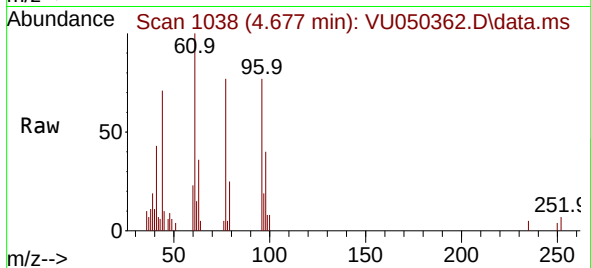




#21  
2,2-Dichloropropane  
Concen: 0.366 ug/l  
RT: 4.677 min Scan# 1038  
Delta R.T. 0.010 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

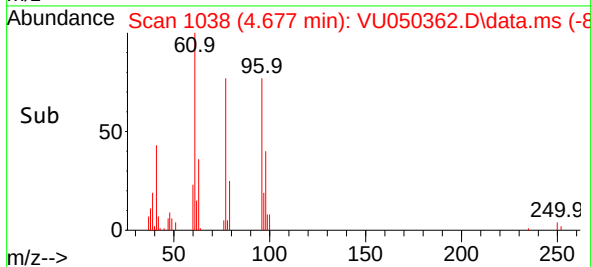
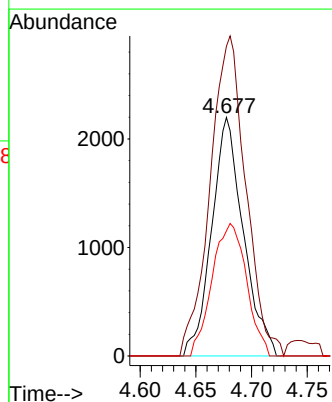
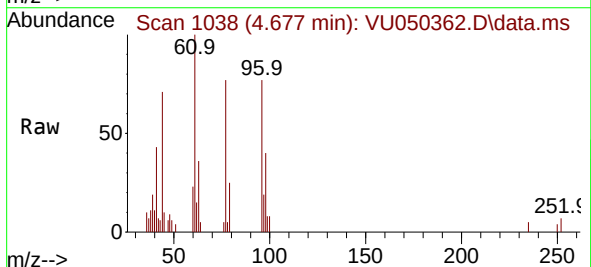
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

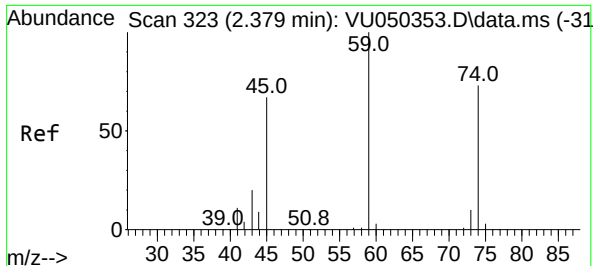
Tgt Ion: 77 Resp: 5694  
Ion Ratio Lower Upper  
77 100  
97 21.8 18.5 27.7



#22  
cis-1,2-Dichloroethene  
Concen: 0.382 ug/l  
RT: 4.677 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 96 Resp: 4348  
Ion Ratio Lower Upper  
96 100  
61 151.2 0.0 375.8  
98 60.5 31.6 95.0

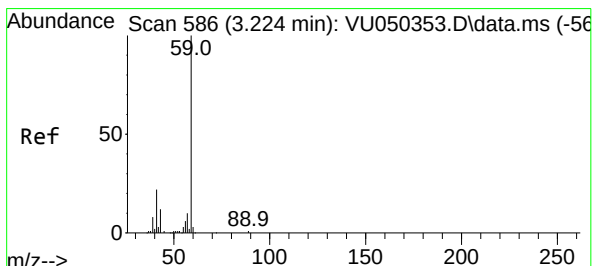
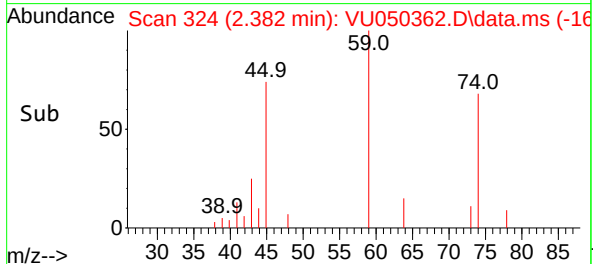
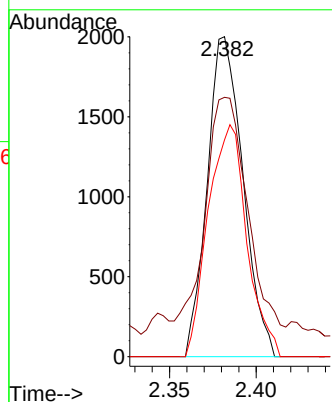
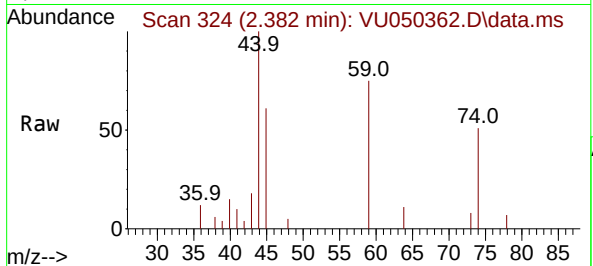




#23  
Diethyl Ether  
Concen: 0.304 ug/l  
RT: 2.382 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

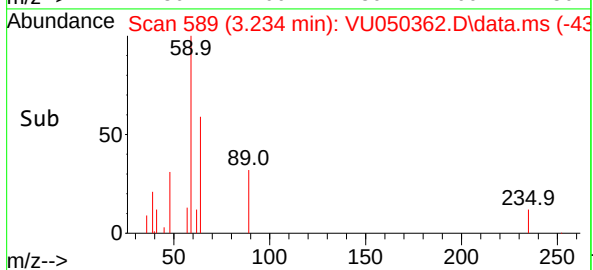
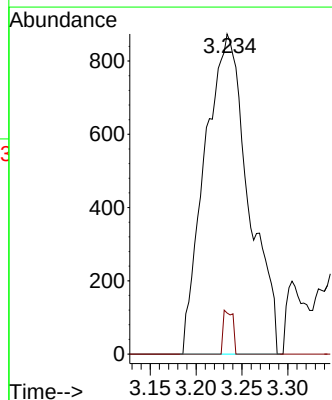
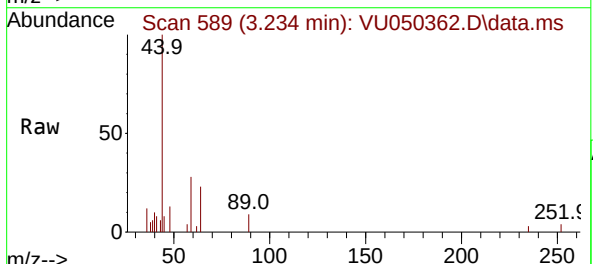
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

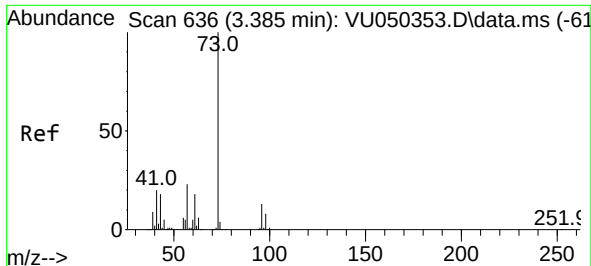
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 2863  |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 45       | 81.2  | 56.0  | 84.0  |
| 74       | 78.5  | 57.6  | 86.4  |



#24  
tert-Butyl Alcohol  
Concen: 2.387 ug/l  
RT: 3.234 min Scan# 589  
Delta R.T. 0.010 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 2902  |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 57       | 3.0   | 8.2   | 12.2# |

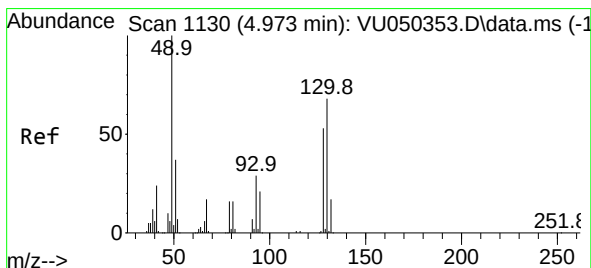
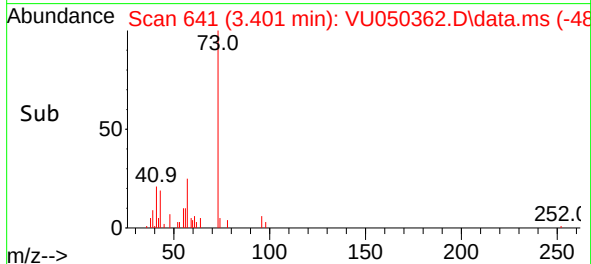
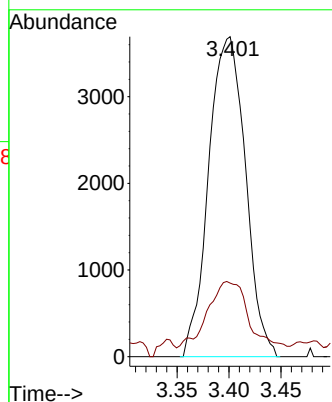
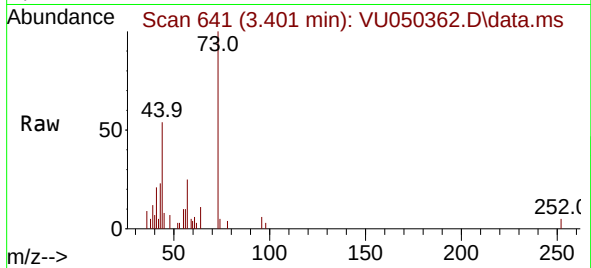




#25  
Methyl tert-Butyl Ether  
Concen: 0.329 ug/l  
RT: 3.401 min Scan# 641  
Delta R.T. 0.016 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

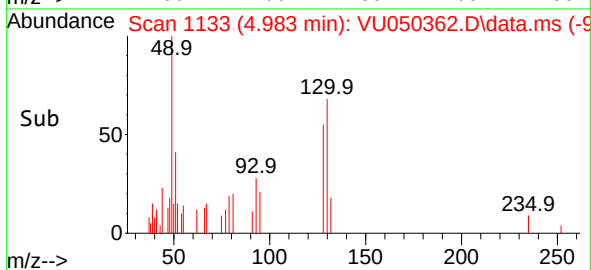
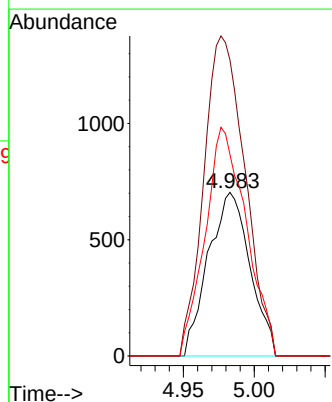
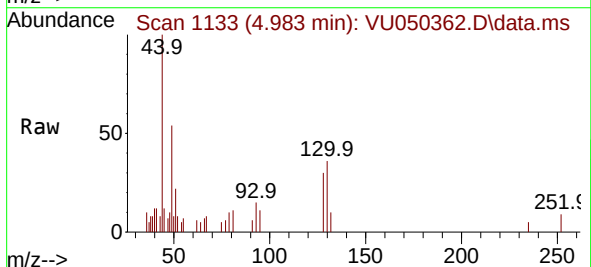
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 73 Resp: 9077  
Ion Ratio Lower Upper  
73 100  
43 25.2 15.9 23.9#

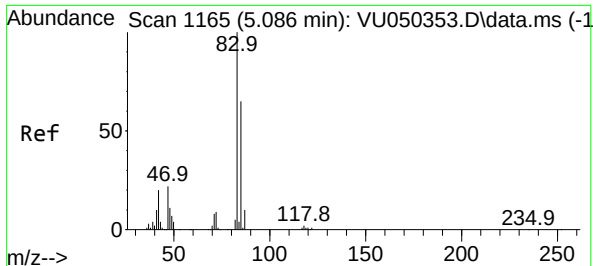


#26  
Bromochloromethane  
Concen: 0.280 ug/l  
RT: 4.983 min Scan# 1133  
Delta R.T. 0.010 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 128 Resp: 1437  
Ion Ratio Lower Upper  
128 100  
49 193.5 0.0 349.2  
130 138.2 103.0 154.6







#27

Chloroform

Concen: 0.364 ug/l

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA\_U

ClientSampleId :

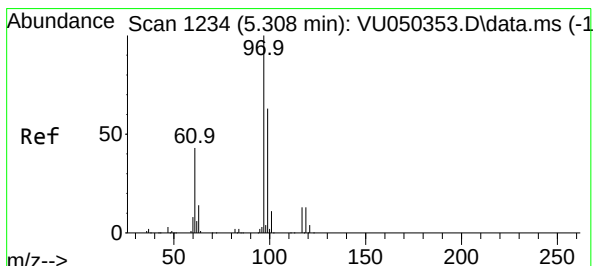
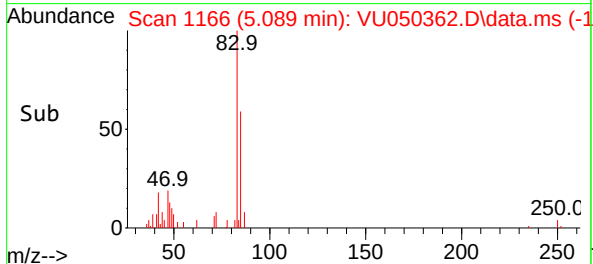
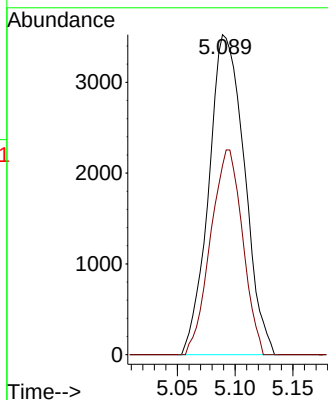
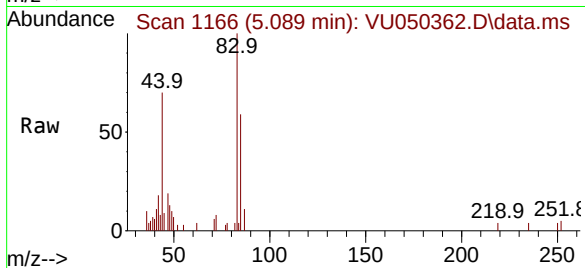
LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 83 Resp: 7559

Ion Ratio Lower Upper

83 100

85 59.1 0.0 133.6



#28

1,1,1-Trichloroethane

Concen: 0.348 ug/l

RT: 5.301 min Scan# 1232

Delta R.T. -0.007 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

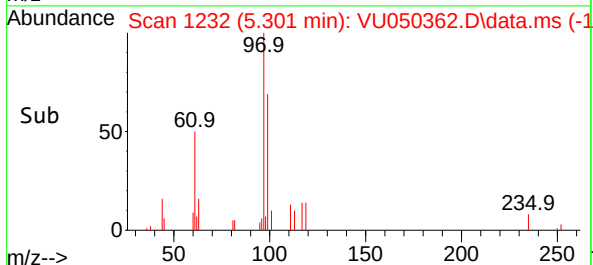
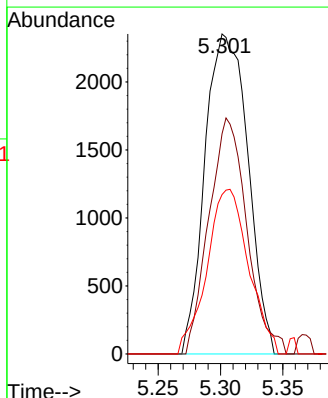
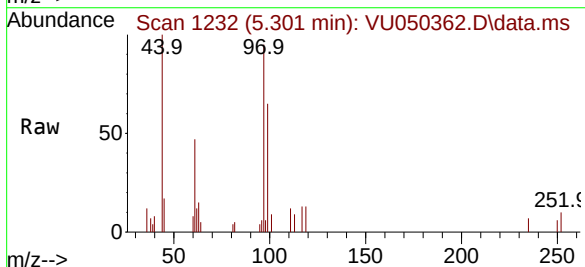
Tgt Ion: 97 Resp: 5618

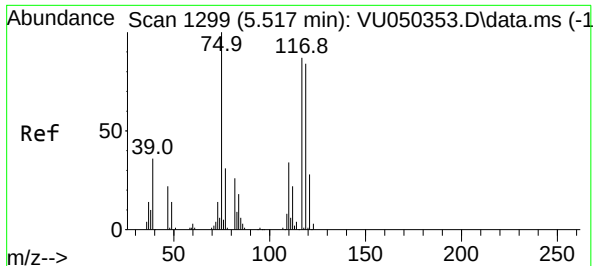
Ion Ratio Lower Upper

97 100

99 65.6 32.1 96.5

61 50.1 21.8 65.4

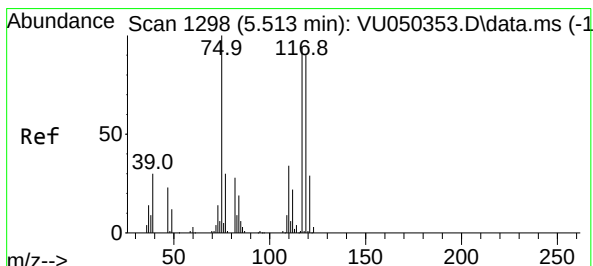
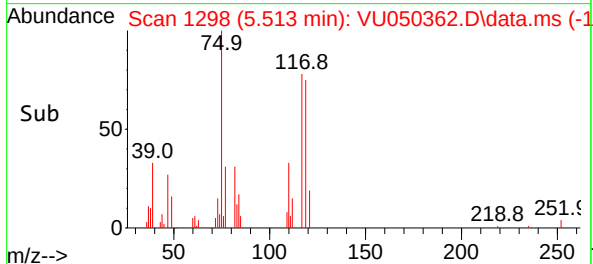
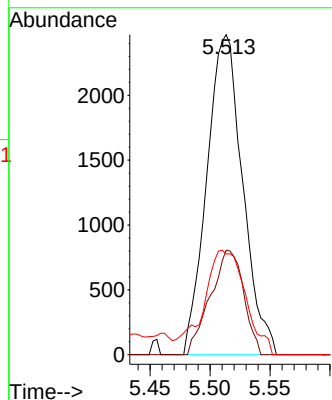
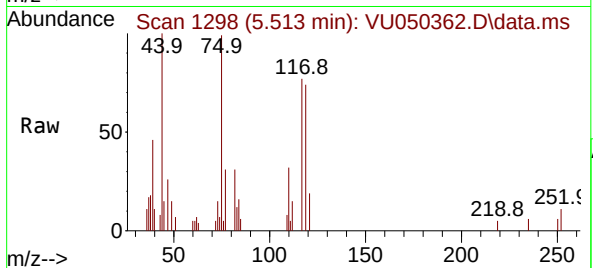




#29  
1,1-Dichloropropene  
Concen: 0.404 ug/l  
RT: 5.513 min Scan# 1299  
Delta R.T. -0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

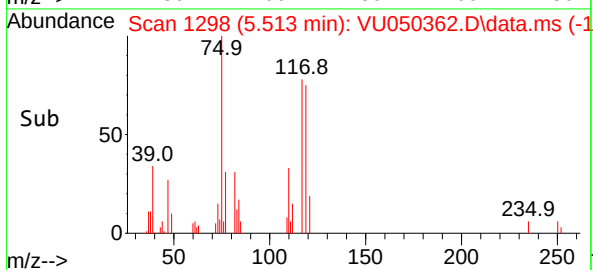
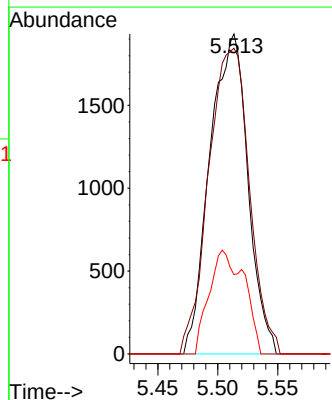
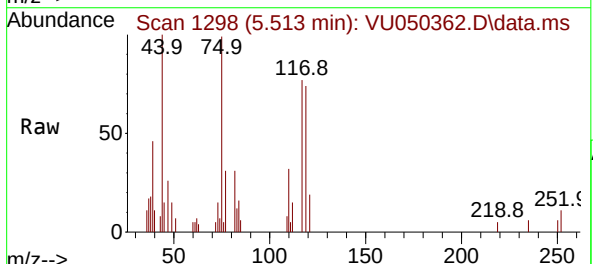
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

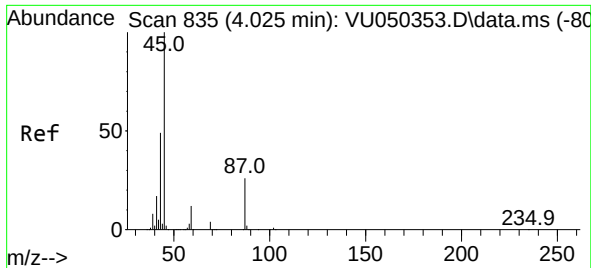
Tgt Ion: 75 Resp: 5126  
Ion Ratio Lower Upper  
75 100  
110 30.3 17.3 52.0  
77 38.0 24.6 37.0#



#30  
Carbon Tetrachloride  
Concen: 0.323 ug/l  
RT: 5.513 min Scan# 1298  
Delta R.T. 0.000 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 117 Resp: 4258  
Ion Ratio Lower Upper  
117 100  
119 95.5 74.6 112.0  
121 24.8 24.2 36.4

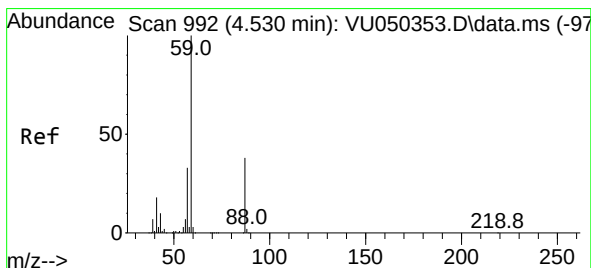
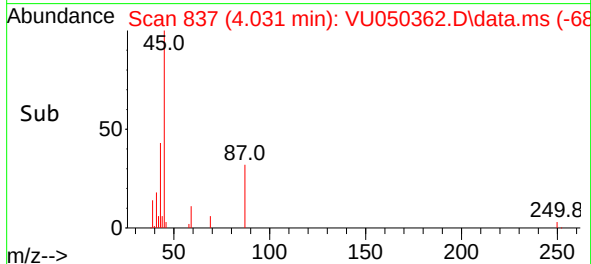
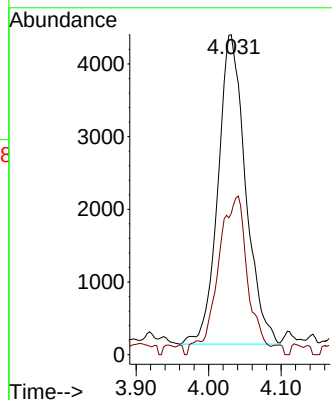
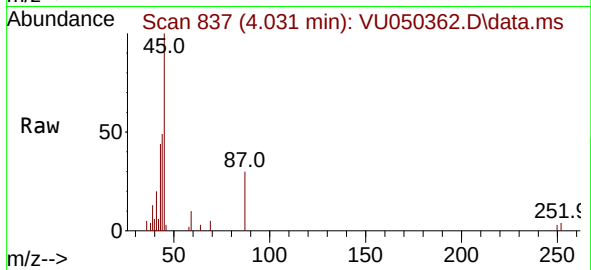




#31  
Isopropyl Ether  
Concen: 0.360 ug/l  
RT: 4.031 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

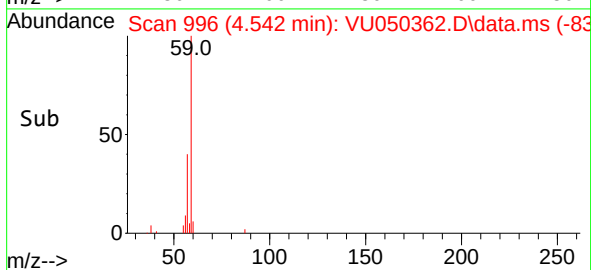
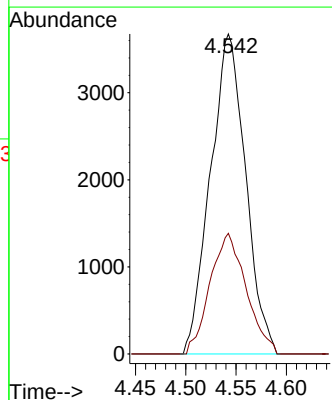
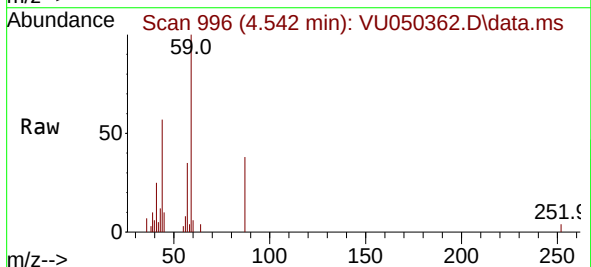
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

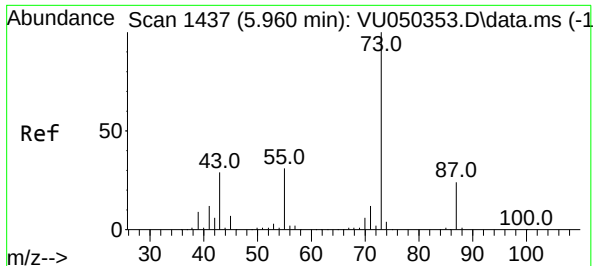
Tgt Ion: 45 Resp: 11249  
Ion Ratio Lower Upper  
45 100  
43 55.0 23.8 71.2



#32  
Ethyl-t-butyl ether  
Concen: 0.356 ug/l  
RT: 4.542 min Scan# 996  
Delta R.T. 0.012 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 59 Resp: 8947  
Ion Ratio Lower Upper  
59 100  
87 38.7 32.5 48.7

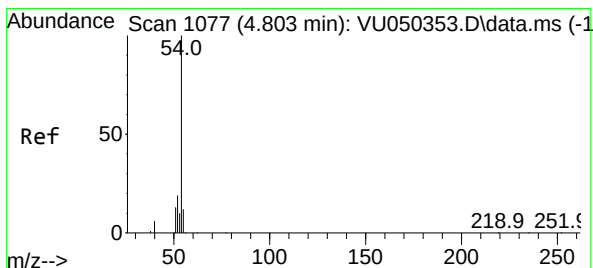
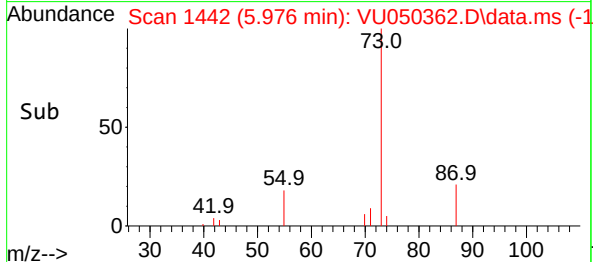
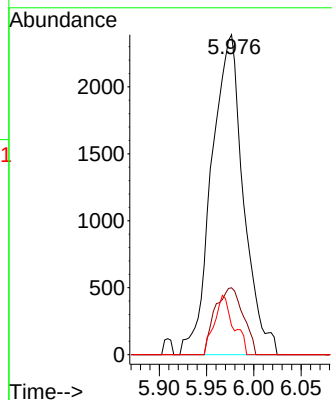
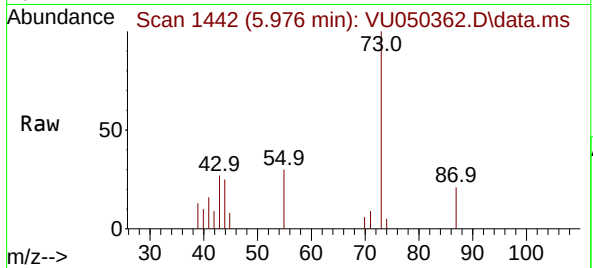




#33  
Tert-Amyl methyl ether  
Concen: 0.321 ug/l  
RT: 5.976 min Scan# 1437  
Delta R.T. 0.016 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

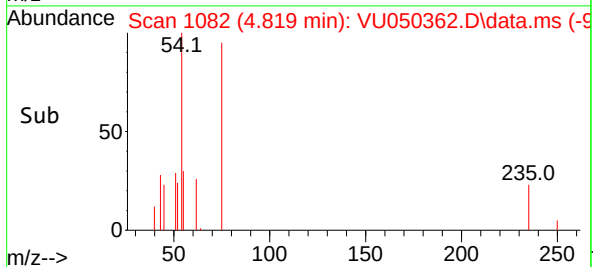
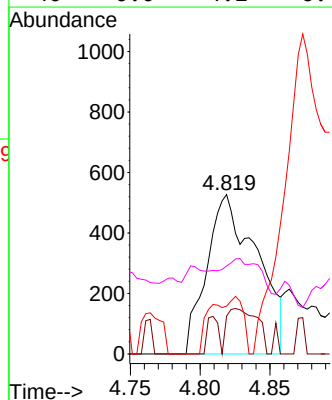
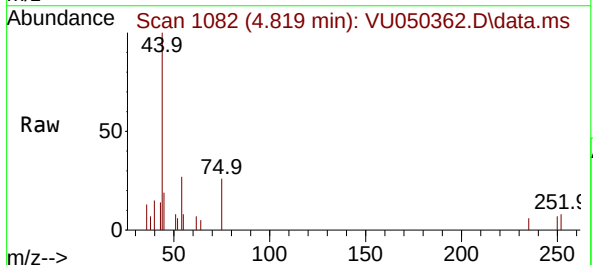
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT3-2022

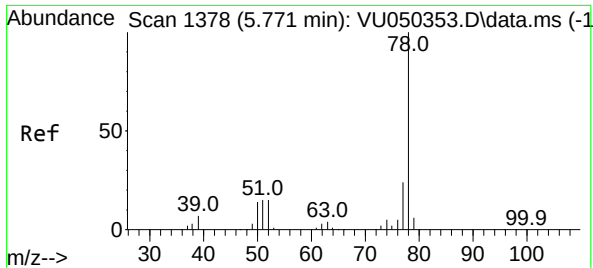
Tgt Ion: 73 Resp: 5602  
Ion Ratio Lower Upper  
73 100  
87 18.3 19.7 29.5#  
71 11.1 9.0 13.4



#34  
Propionitrile  
Concen: 1.151 ug/l m  
RT: 4.819 min Scan# 1082  
Delta R.T. 0.016 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 54 Resp: 1313  
Ion Ratio Lower Upper  
54 100  
52 17.4 15.0 22.6  
55 0.0 12.6 19.0#  
40 0.0 4.2 6.4#

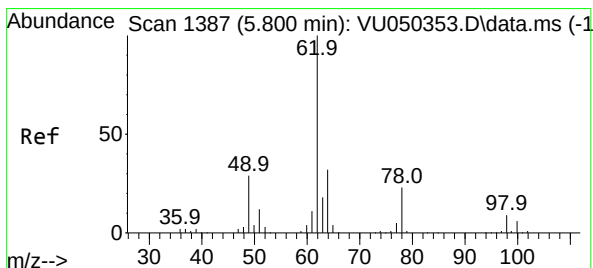
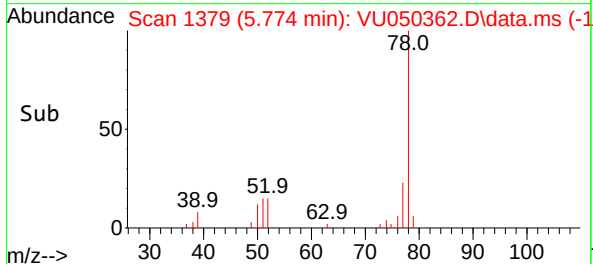
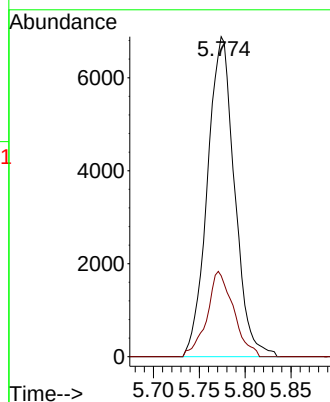
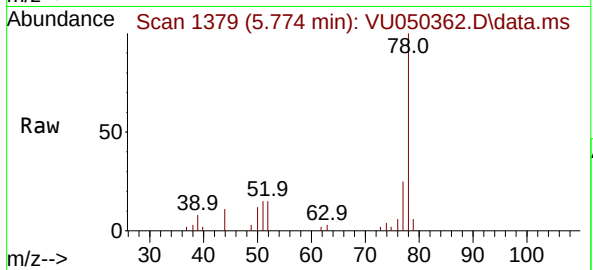




#35  
Benzene  
Concen: 0.342 ug/l  
RT: 5.774 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

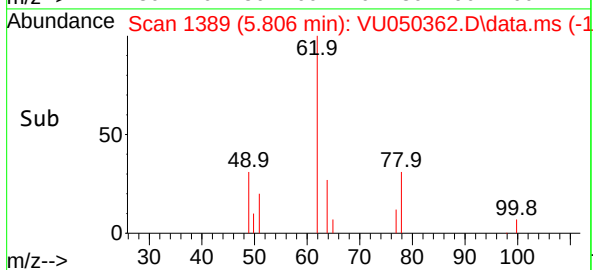
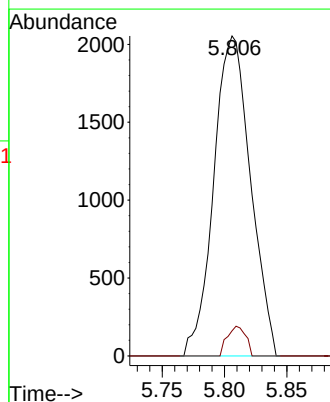
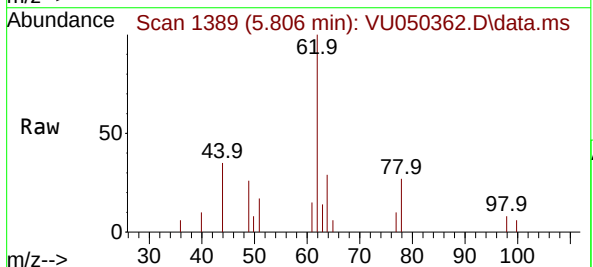
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

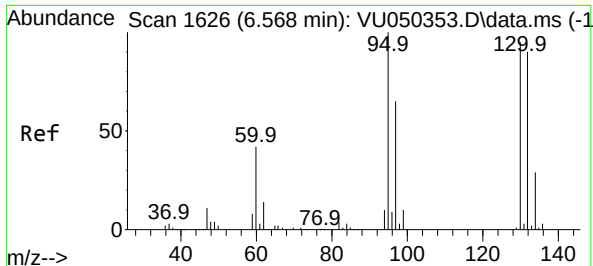
Tgt Ion: 78 Resp: 14195  
Ion Ratio Lower Upper  
78 100  
77 25.3 18.6 28.0



#36  
1,2-Dichloroethane  
Concen: 0.323 ug/l  
RT: 5.806 min Scan# 1389  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 62 Resp: 4215  
Ion Ratio Lower Upper  
62 100  
98 4.7 7.4 11.0#





#37

Trichloroethene

Concen: 0.334 ug/l

RT: 6.584 min Scan# 1

Delta R.T. 0.016 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA\_U

ClientSampleId :

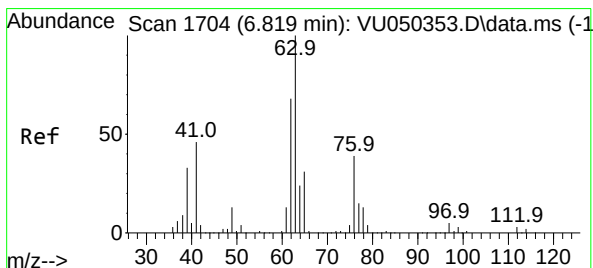
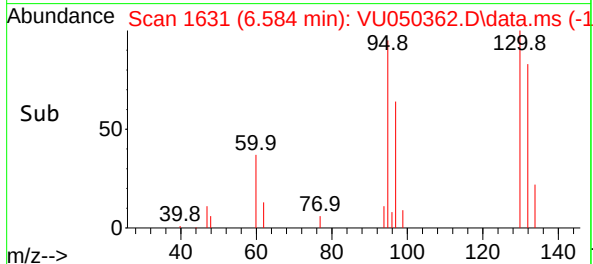
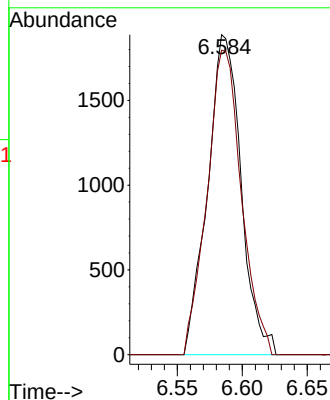
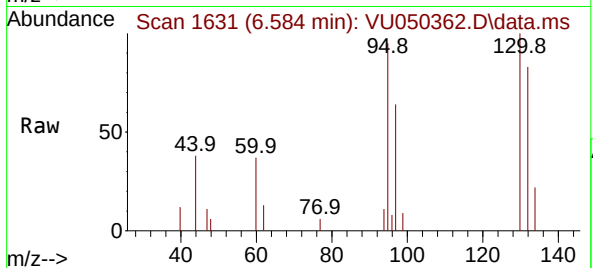
LOD-MDL-WATER-01-QT3-2022

Tgt Ion:130 Resp: 3378

Ion Ratio Lower Upper

130 100

95 95.1 83.8 125.8



#38

1,2-Dichloropropane

Concen: 0.291 ug/l

RT: 6.838 min Scan# 1710

Delta R.T. 0.019 min

Lab File: VU050362.D

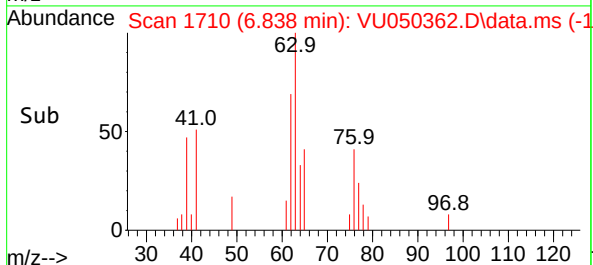
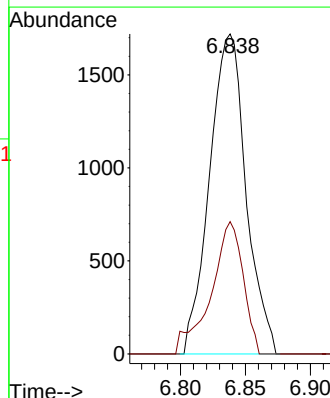
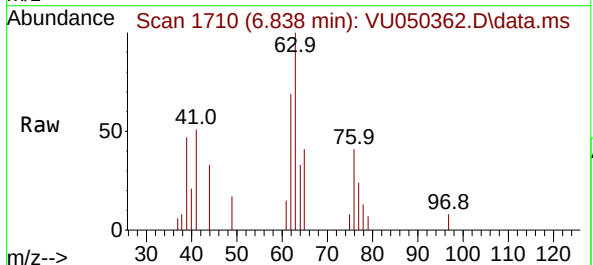
Acq: 17 Aug 2022 18:57

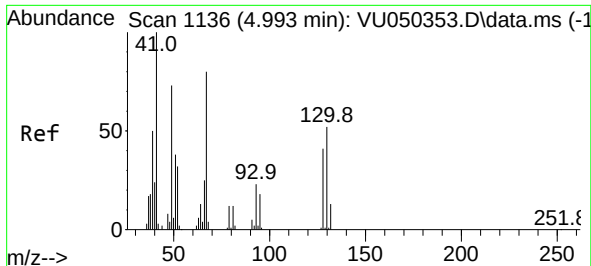
Tgt Ion: 63 Resp: 3360

Ion Ratio Lower Upper

63 100

65 41.3 25.0 37.4#





#39

Methacrylonitrile

Concen: 0.413 ug/l

RT: 5.005 min Scan# 1136

Delta R.T. 0.013 min

Lab File: VU050362.D

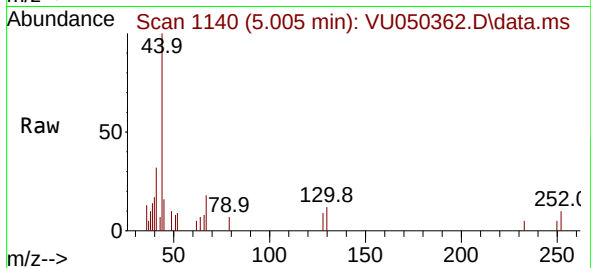
Acq: 17 Aug 2022 18:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2022



Tgt Ion: 41 Resp: 1514

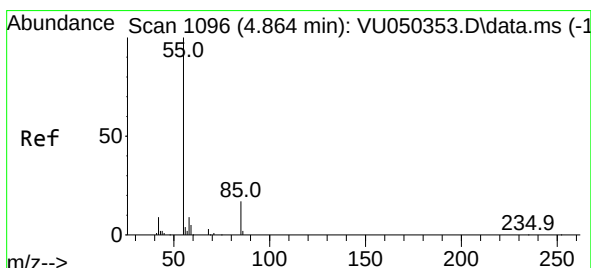
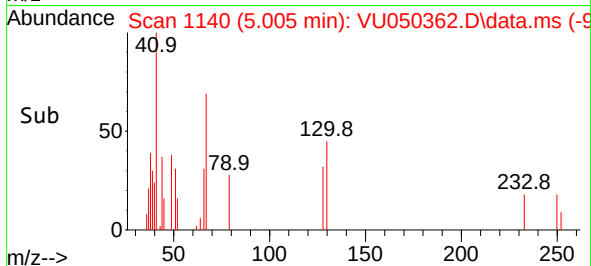
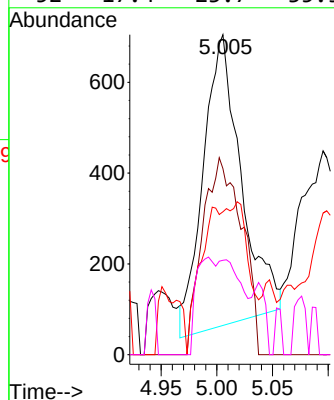
Ion Ratio Lower Upper

41 100

67 70.6 59.4 89.0

39 26.9 42.2 63.2#

52 17.4 23.7 35.5#



#40

Methyl acrylate

Concen: 0.432 ug/l

RT: 4.874 min Scan# 1099

Delta R.T. 0.010 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Tgt Ion: 55 Resp: 2769

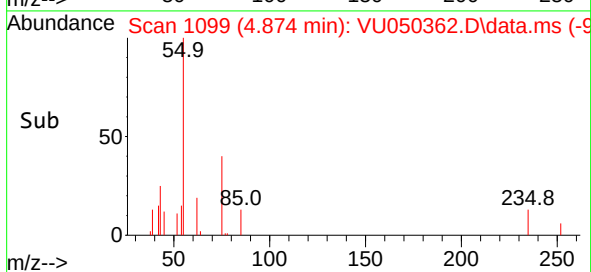
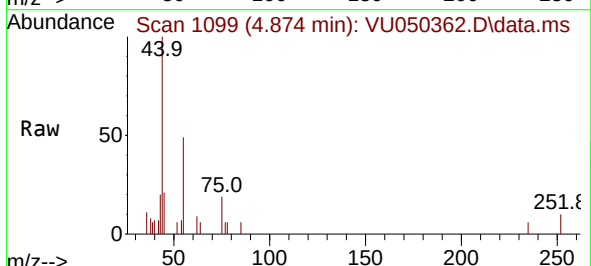
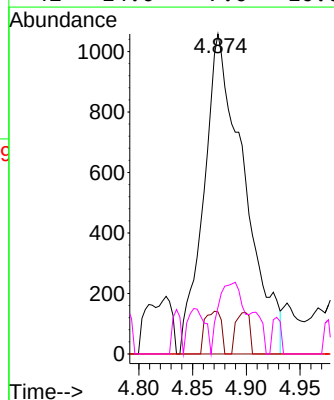
Ion Ratio Lower Upper

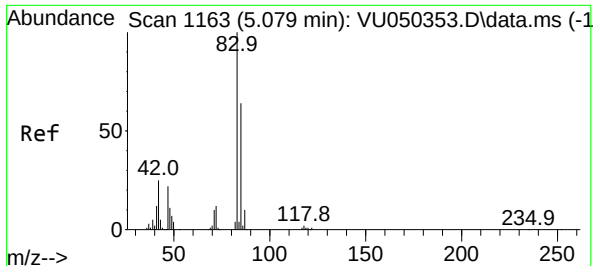
55 100

85 5.3 13.5 20.3#

58 0.0 7.0 10.4#

42 14.0 7.0 10.6#





#41

Tetrahydrofuran

Concen: 0.726 ug/l

RT: 5.092 min Scan# 1167

Delta R.T. 0.013 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2022

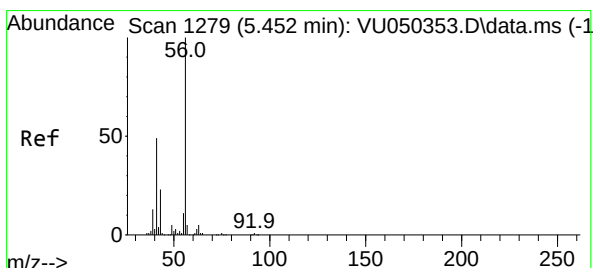
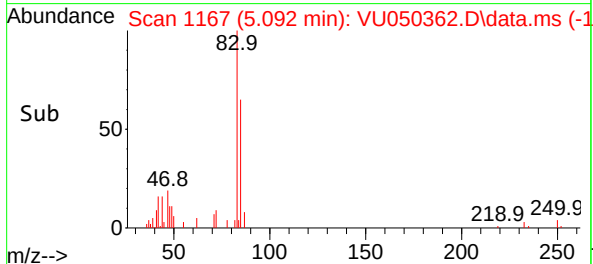
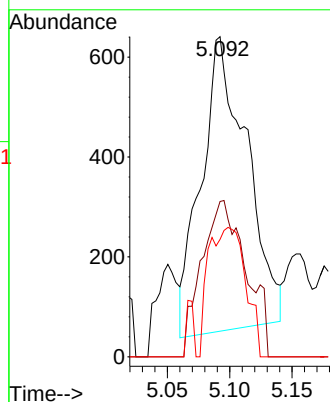
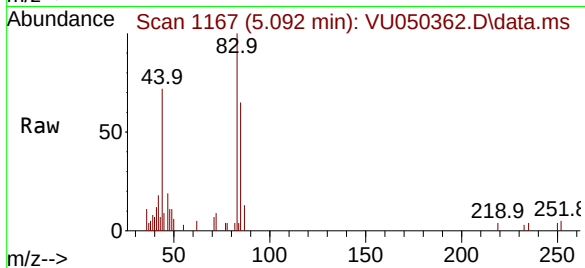
Tgt Ion: 42 Resp: 1497

Ion Ratio Lower Upper

42 100

72 51.8 38.9 58.3

71 35.9 33.7 50.5



#42

1-Chlorobutane

Concen: 0.391 ug/l

RT: 5.449 min Scan# 1278

Delta R.T. -0.003 min

Lab File: VU050362.D

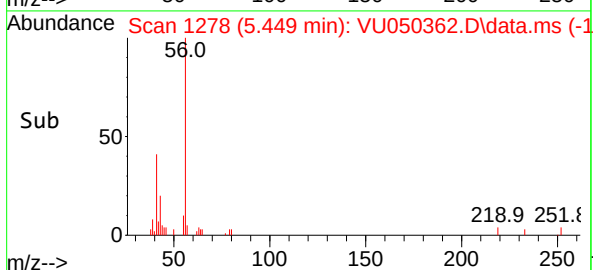
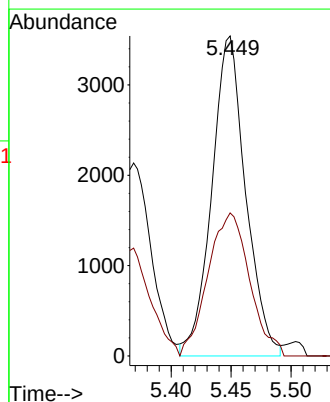
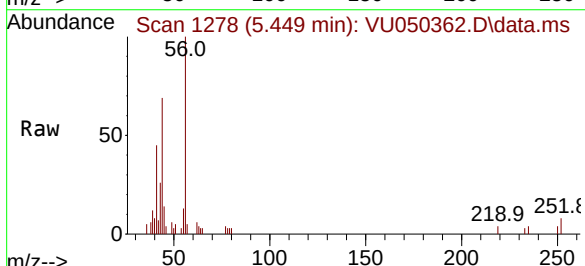
Acq: 17 Aug 2022 18:57

Tgt Ion: 56 Resp: 6954

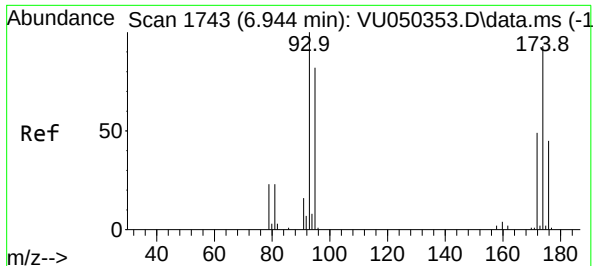
Ion Ratio Lower Upper

56 100

41 54.7 26.4 79.2

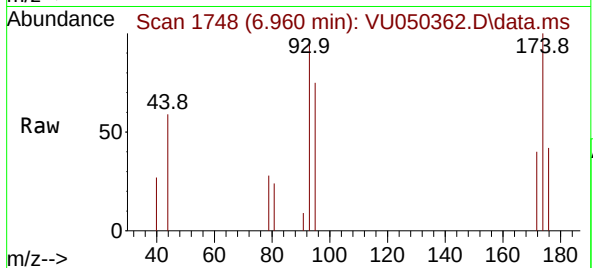






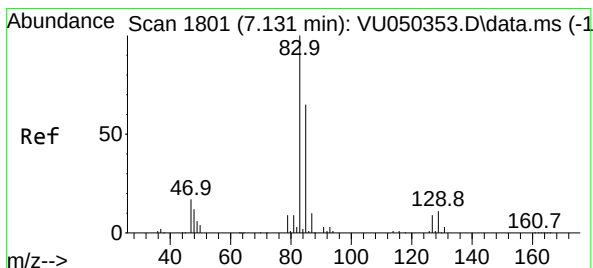
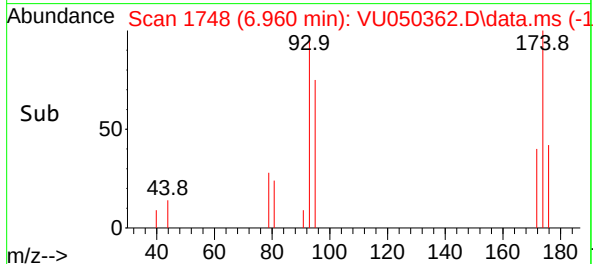
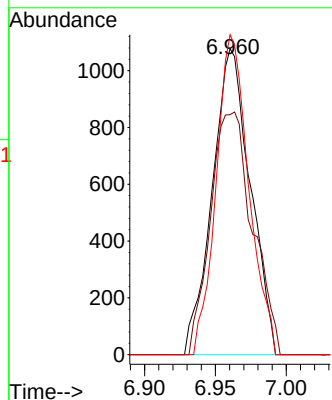
#43  
Dibromomethane  
Concen: 0.316 ug/l  
RT: 6.960 min Scan# 1748  
Delta R.T. 0.016 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

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



Tgt Ion: 93 Resp: 2010

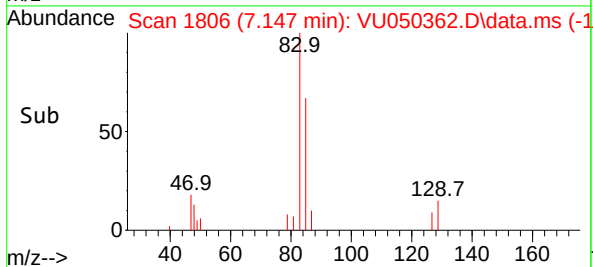
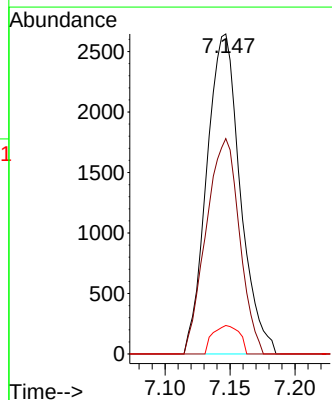
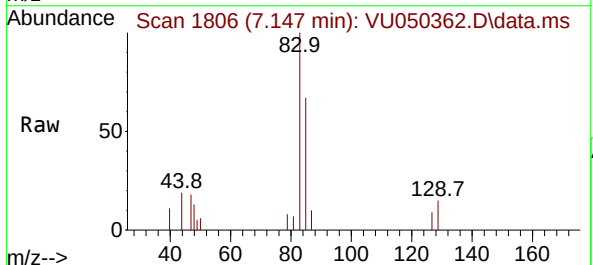
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 87.7  | 65.0  | 97.6  |
| 174 | 89.8  | 76.3  | 114.5 |

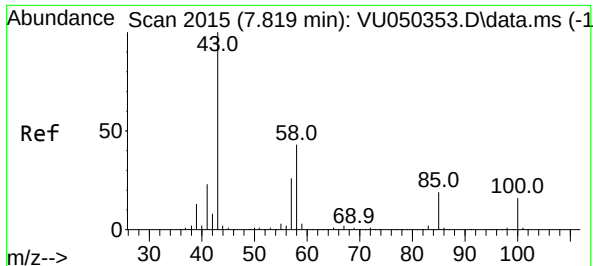


#44  
Bromodichloromethane  
Concen: 0.323 ug/l  
RT: 7.147 min Scan# 1806  
Delta R.T. 0.016 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 83 Resp: 4739

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 67.3  | 49.4  | 74.0  |
| 127 | 8.9   | 6.6   | 10.0  |





#45

4-Methyl-2-Pentanone

Concen: 1.327 ug/l

RT: 7.832 min Scan# 2015

Delta R.T. 0.013 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2022

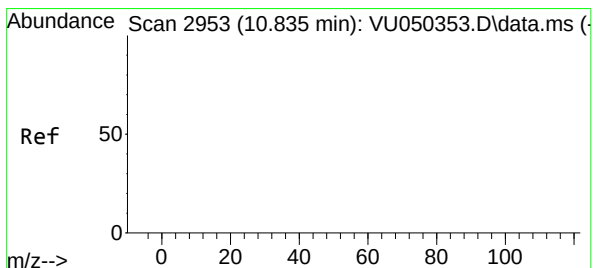
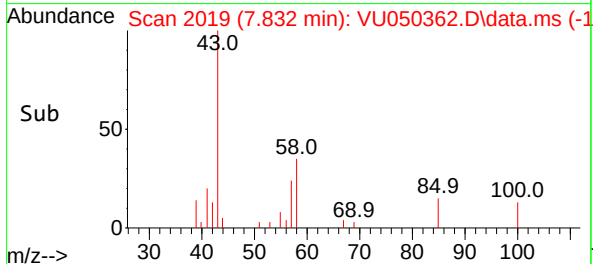
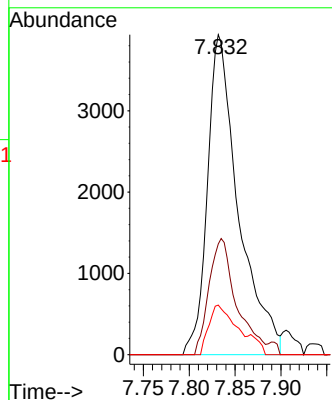
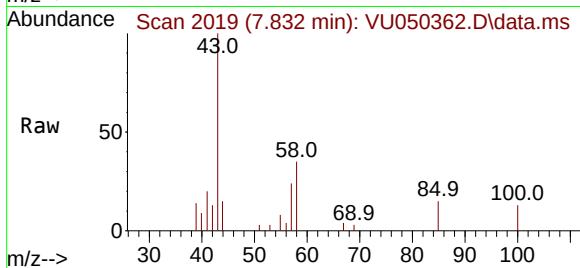
Tgt Ion: 43 Resp: 9251

Ion Ratio Lower Upper

43 100

58 32.1 20.3 61.0

85 15.1 14.6 21.8



#46

t-1,4-Dichloro-2-butene

Concen: 0.701 ug/l m

RT: 10.835 min Scan# 2953

Delta R.T. -0.000 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Tgt Ion: 75 Resp: 1609

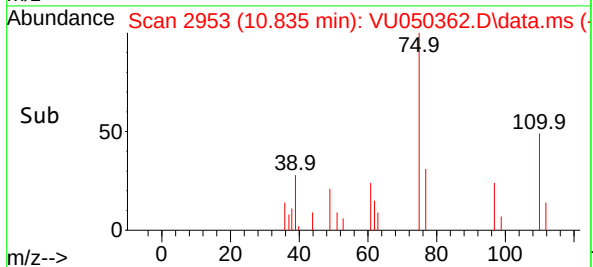
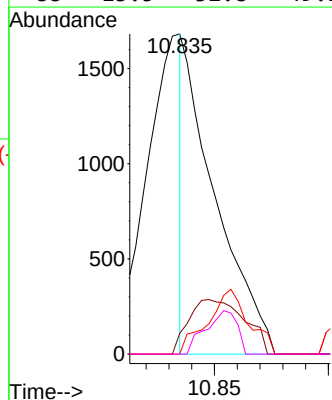
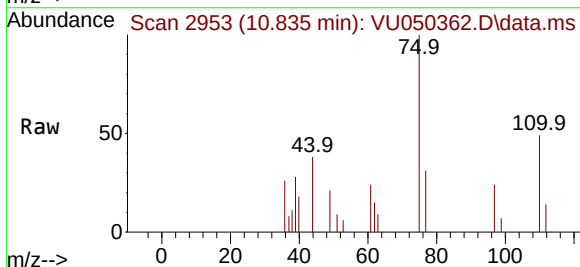
Ion Ratio Lower Upper

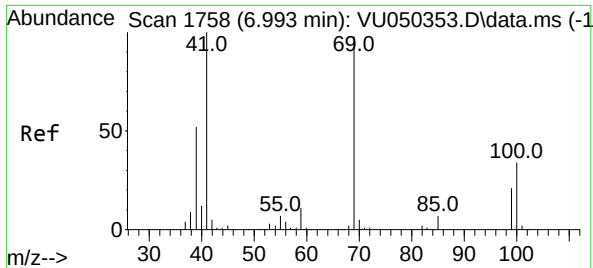
75 100

53 30.4 64.4 96.6#

89 26.2 44.2 66.2#

88 13.5 32.8 49.2#





#47

Methyl methacrylate

Concen: 0.452 ug/l

RT: 7.012 min Scan# 1

Delta R.T. 0.019 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 69 Resp: 2322

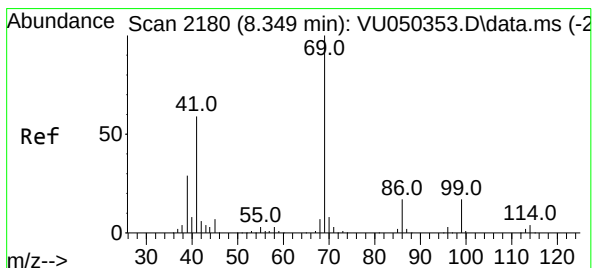
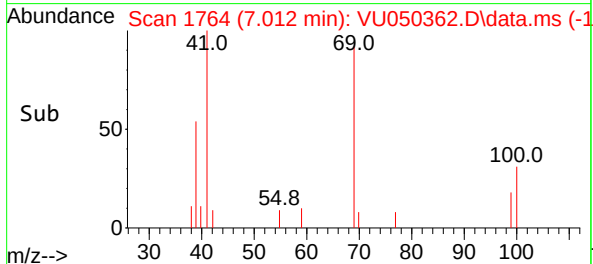
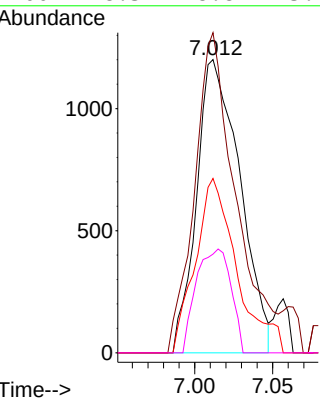
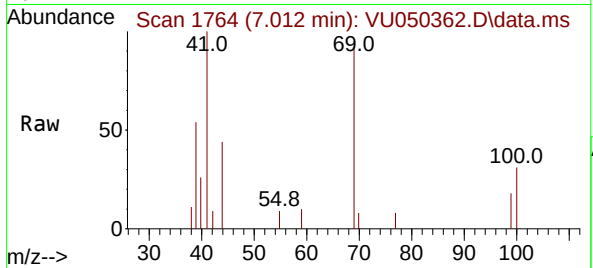
Ion Ratio Lower Upper

69 100

41 103.7 0.0 225.4

39 56.8 45.8 68.8

100 28.3 28.8 43.2#



#48

Ethyl methacrylate

Concen: 0.229 ug/l

RT: 8.359 min Scan# 2183

Delta R.T. 0.010 min

Lab File: VU050362.D

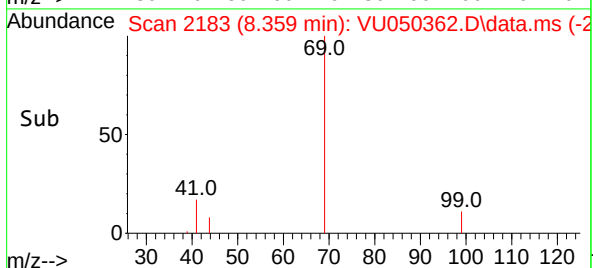
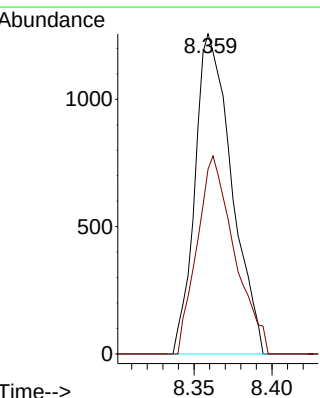
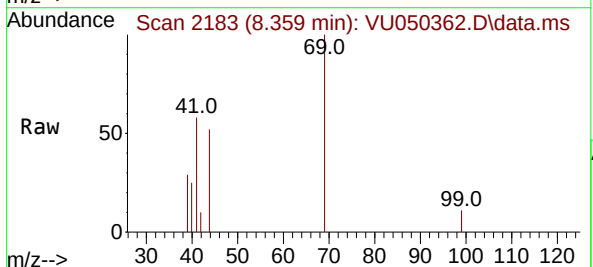
Acq: 17 Aug 2022 18:57

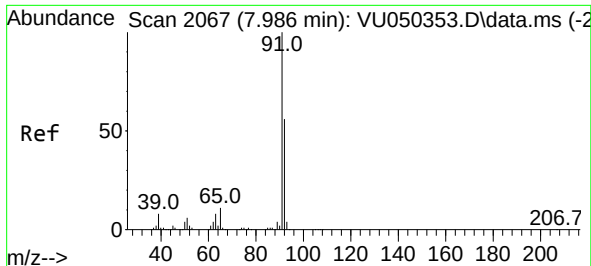
Tgt Ion: 69 Resp: 2060

Ion Ratio Lower Upper

69 100

41 63.0 32.3 96.9

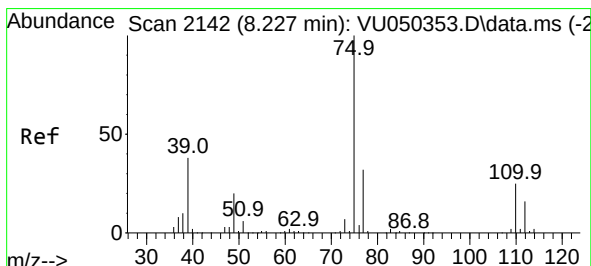
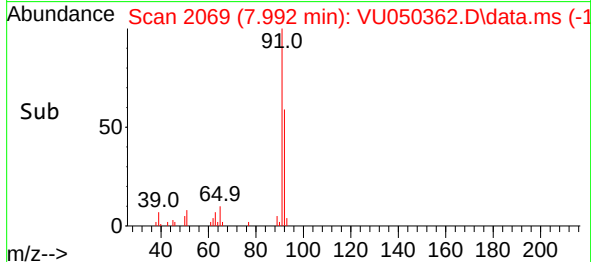
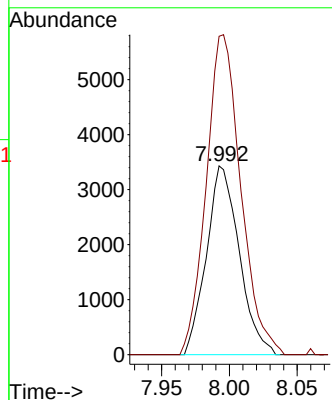
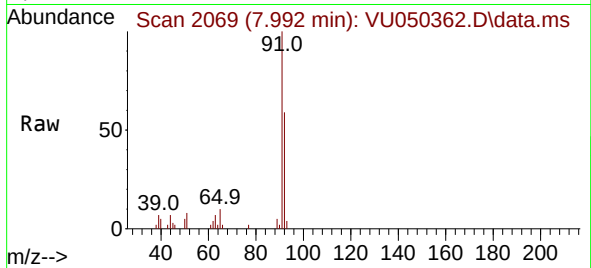




#49  
Toluene  
Concen: 0.246 ug/l  
RT: 7.992 min Scan# 2069  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

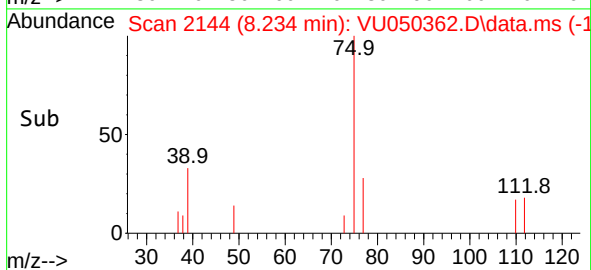
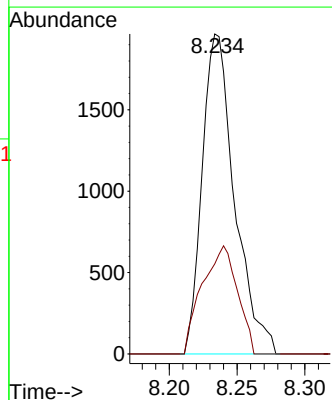
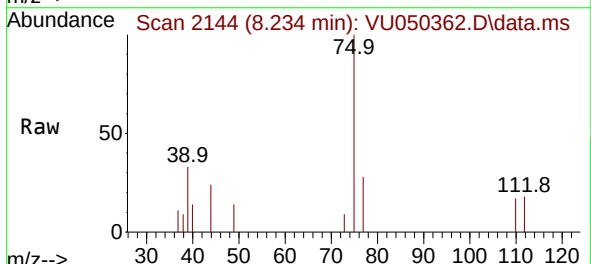
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

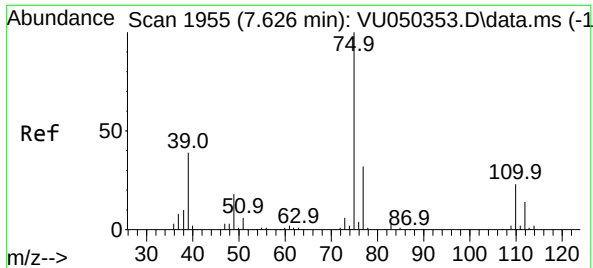
Tgt Ion: 92 Resp: 5766  
Ion Ratio Lower Upper  
92 100  
91 178.9 138.6 207.8



#50  
t-1,3-Dichloropropene  
Concen: 0.269 ug/l  
RT: 8.234 min Scan# 2144  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 75 Resp: 3269  
Ion Ratio Lower Upper  
75 100  
77 28.1 24.7 37.1





#51

cis-1,3-Dichloropropene

Concen: 0.270 ug/l

RT: 7.642 min Scan# 1955

Delta R.T. 0.016 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2022

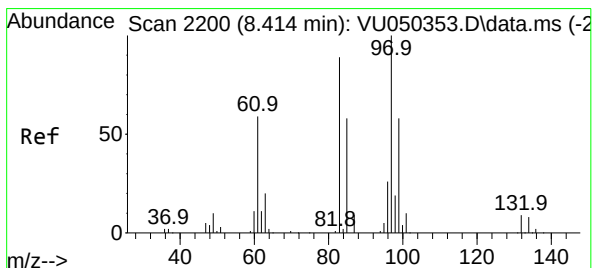
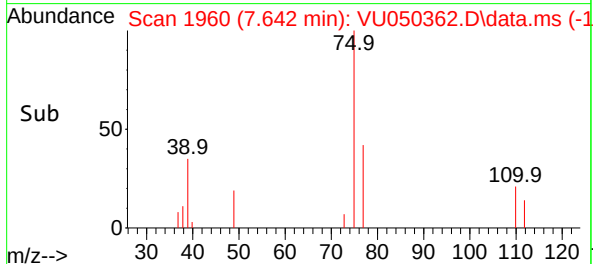
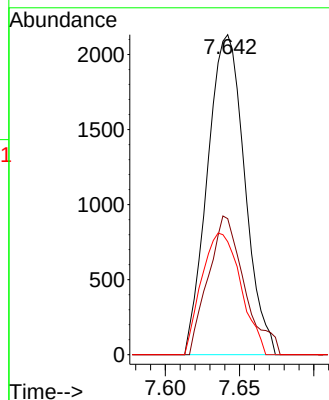
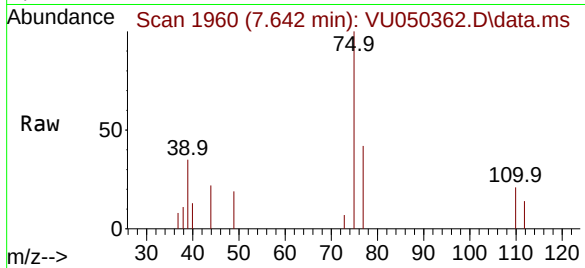
Tgt Ion: 75 Resp: 3711

Ion Ratio Lower Upper

75 100

77 42.5 25.4 38.0#

39 35.3 35.1 52.7



#52

1,1,2-Trichloroethane

Concen: 0.298 ug/l

RT: 8.420 min Scan# 2202

Delta R.T. 0.006 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Tgt Ion: 97 Resp: 2832

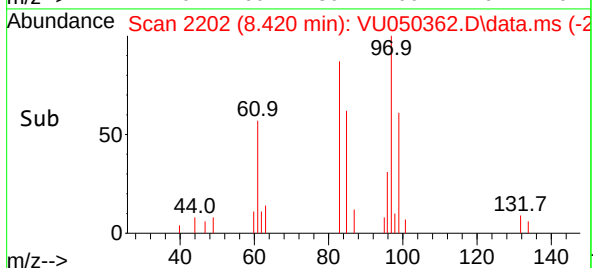
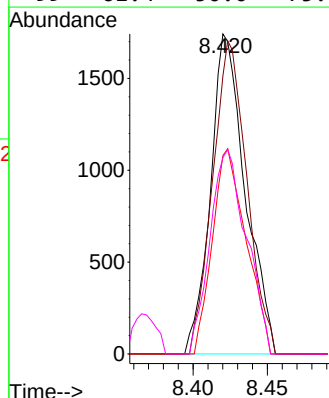
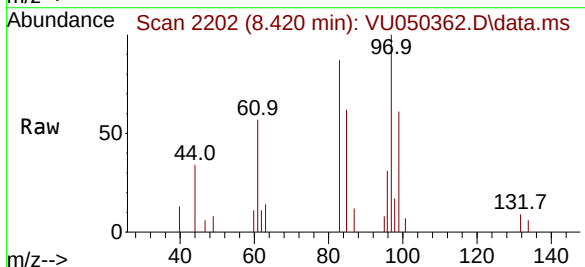
Ion Ratio Lower Upper

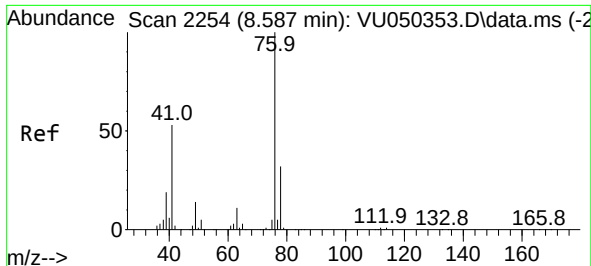
97 100

83 86.9 70.6 106.0

85 62.0 46.2 69.4

99 61.4 50.0 75.0





#53

1,3-Dichloropropane

Concen: 0.281 ug/l

RT: 8.597 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA\_U

ClientSampleId :

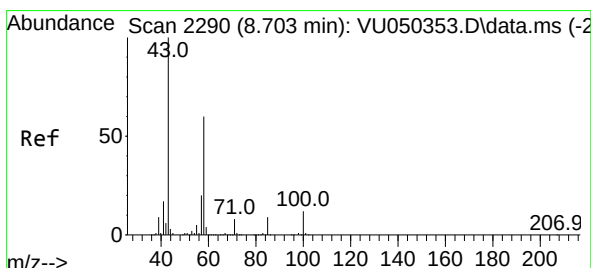
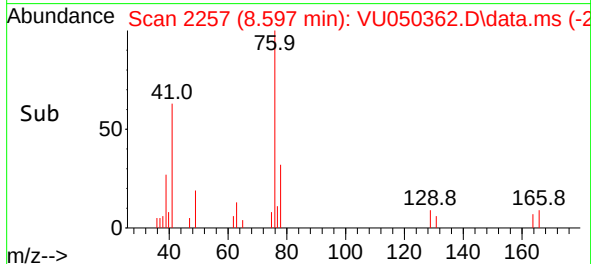
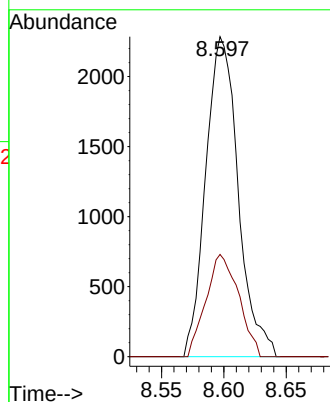
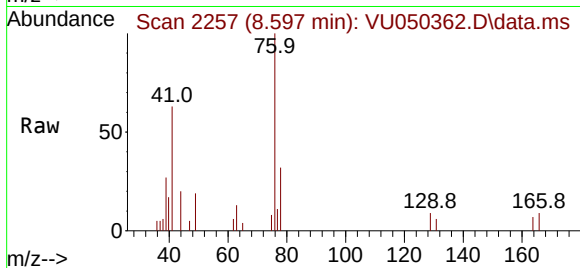
LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 76 Resp: 4137

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



#54

2-Hexanone

Concen: 1.247 ug/l

RT: 8.713 min Scan# 2293

Delta R.T. 0.010 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

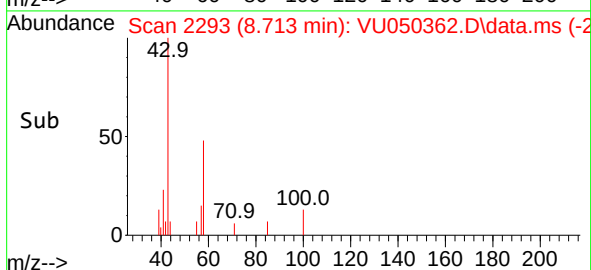
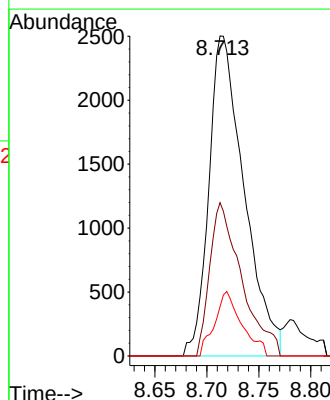
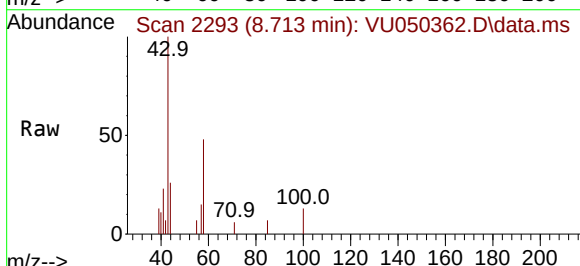
Tgt Ion: 43 Resp: 5908

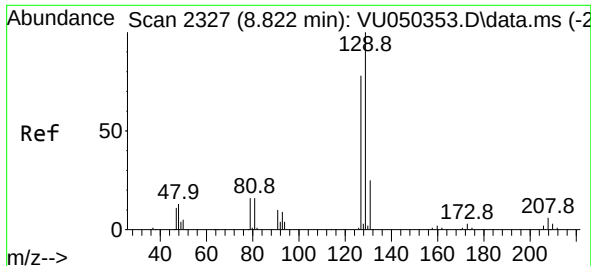
Ion Ratio Lower Upper

43 100

58 43.2 37.1 77.1

57 15.5 0.0 39.5

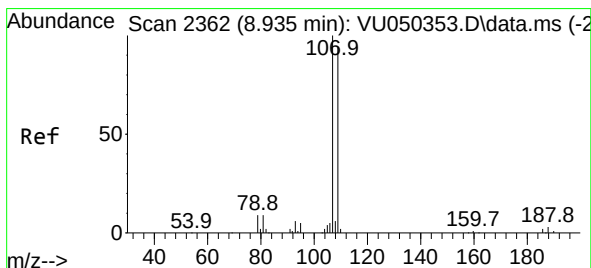
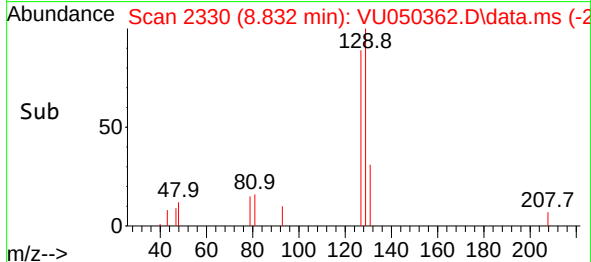
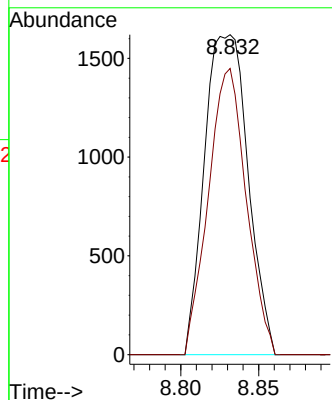
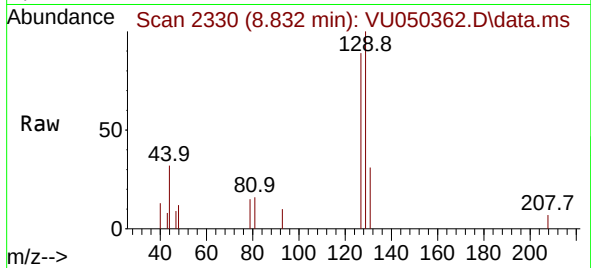




#55  
Dibromochloromethane  
Concen: 0.312 ug/l  
RT: 8.832 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

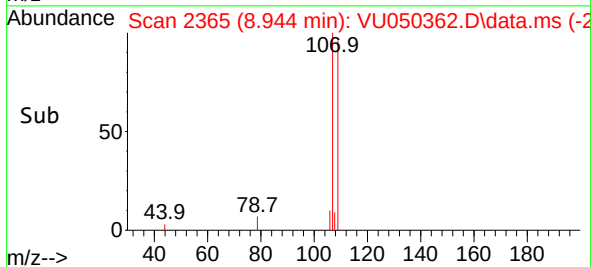
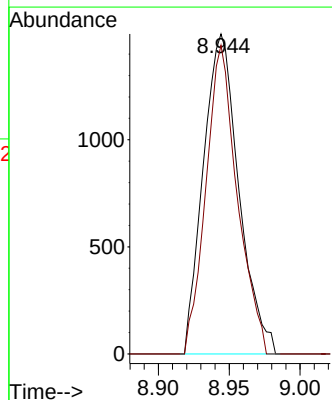
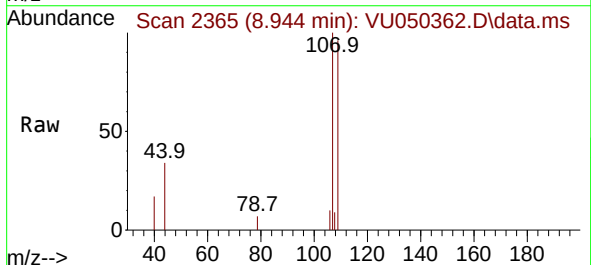
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

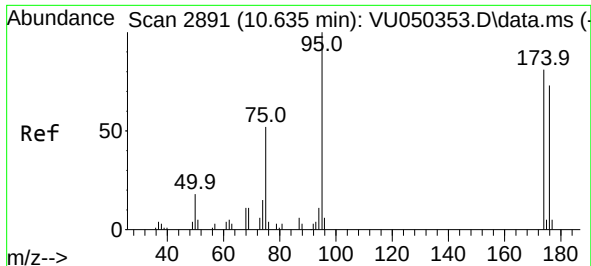
Tgt Ion:129 Resp: 3154  
Ion Ratio Lower Upper  
129 100  
127 77.8 61.2 91.8



#56  
1,2-Dibromoethane  
Concen: 0.318 ug/l  
RT: 8.944 min Scan# 2365  
Delta R.T. 0.010 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion:107 Resp: 2610  
Ion Ratio Lower Upper  
107 100  
109 85.2 0.0 187.2

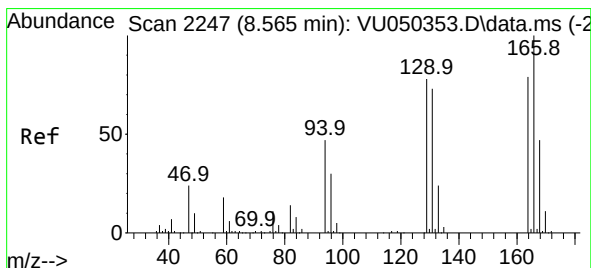
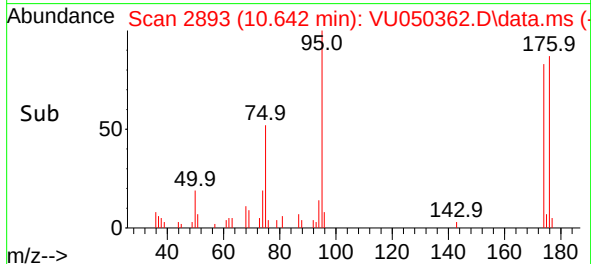
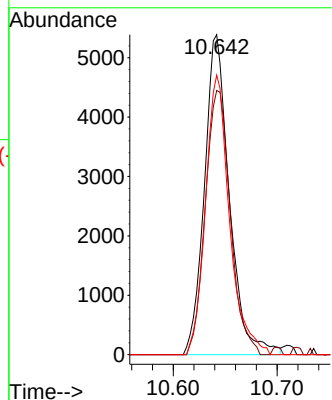
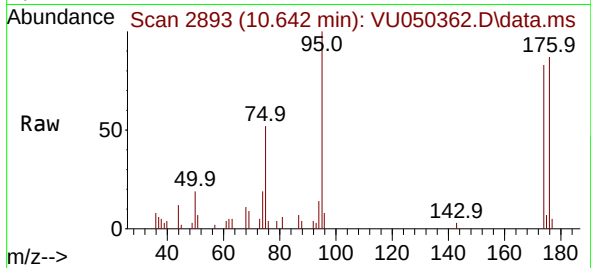




#57  
4-Bromofluorobenzene  
Concen: 0.753 ug/l  
RT: 10.642 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

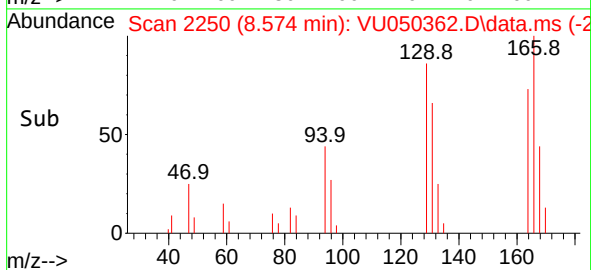
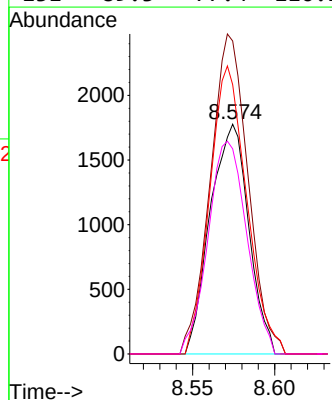
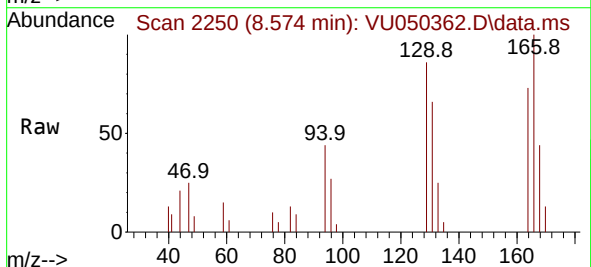
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

Tgt Ion: 95 Resp: 8988  
Ion Ratio Lower Upper  
95 100  
174 83.1 62.4 93.6  
176 84.0 56.2 84.2

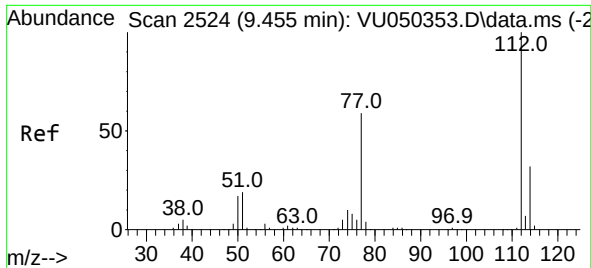


#58  
Tetrachloroethene  
Concen: 0.303 ug/l  
RT: 8.574 min Scan# 2250  
Delta R.T. 0.010 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 164 Resp: 2893  
Ion Ratio Lower Upper  
164 100  
166 136.2 102.4 153.6  
129 117.2 79.5 119.3  
131 89.3 77.4 116.2







#59

Chlorobenzene

Concen: 0.281 ug/l

RT: 9.459 min Scan# 2524

Delta R.T. 0.004 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA\_U

ClientSampleId :

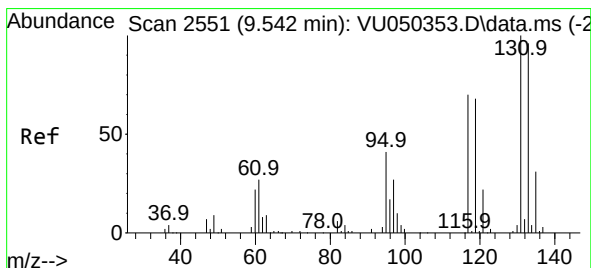
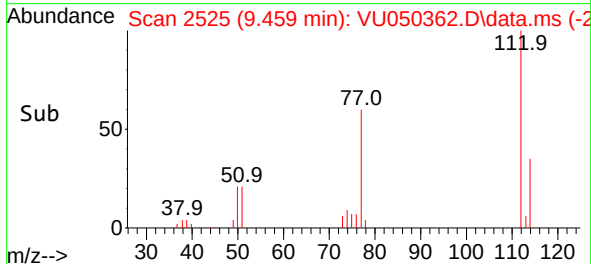
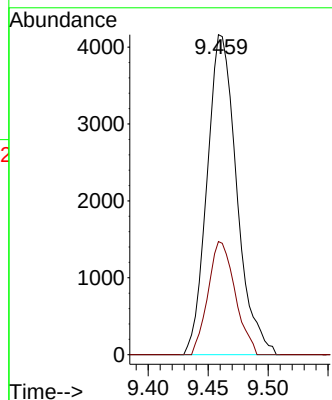
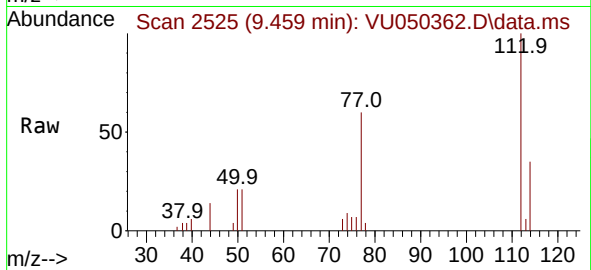
LOD-MDL-WATER-01-QT3-2022

Tgt Ion:112 Resp: 7147

Ion Ratio Lower Upper

112 100

114 35.3 24.9 37.3



#60

1,1,1,2-Tetrachloroethane

Concen: 0.308 ug/l

RT: 9.549 min Scan# 2553

Delta R.T. 0.006 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

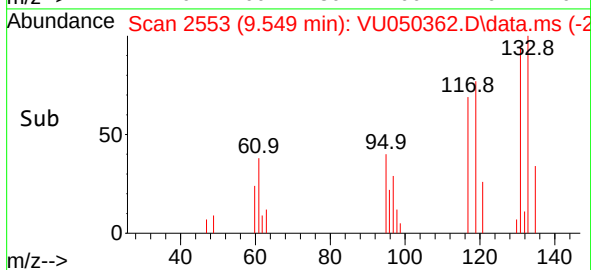
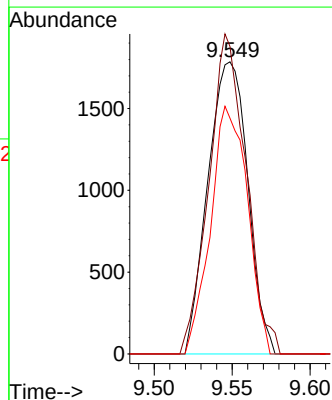
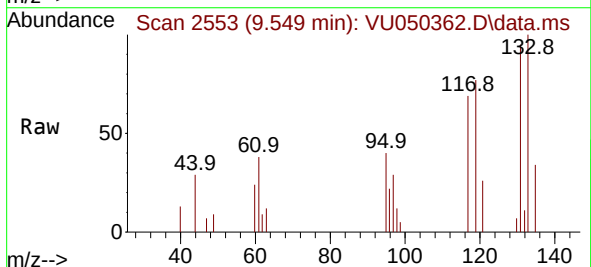
Tgt Ion:131 Resp: 3179

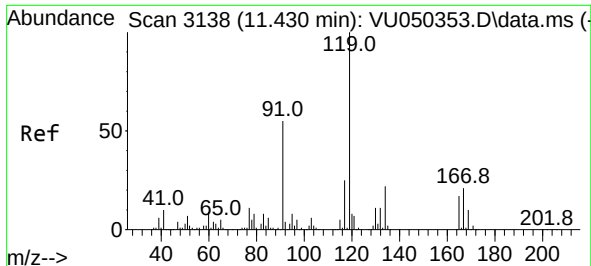
Ion Ratio Lower Upper

131 100

133 102.1 78.3 117.5

119 78.5 53.2 79.8

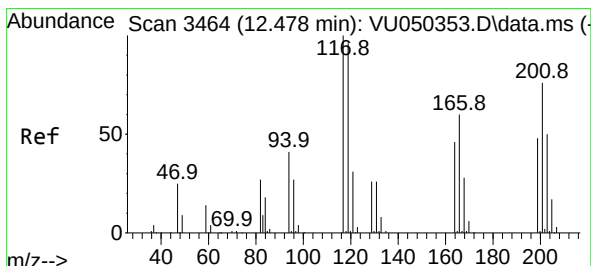
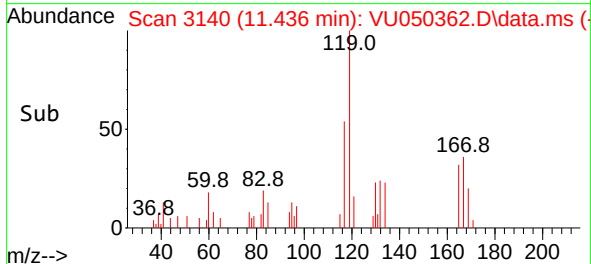
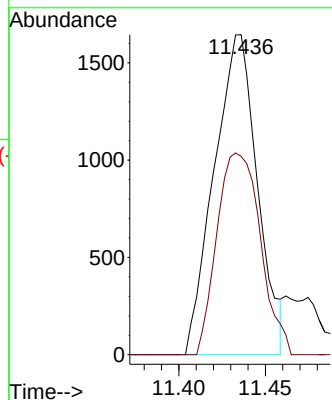
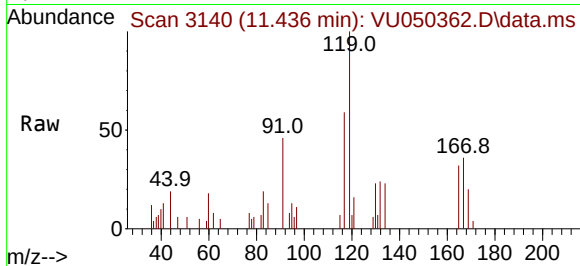




#61  
 Pentachloroethane  
 Concen: 0.339 ug/l  
 RT: 11.436 min Scan# 3138  
 Delta R.T. 0.006 min  
 Lab File: VU050362.D  
 Acq: 17 Aug 2022 18:57

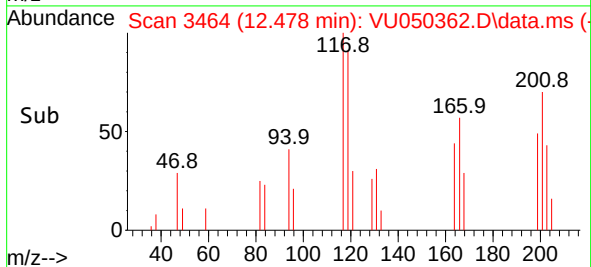
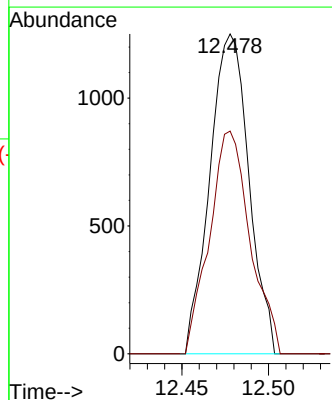
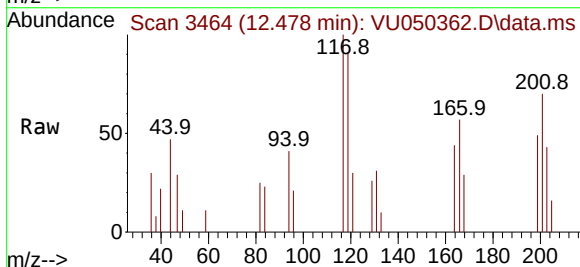
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2022

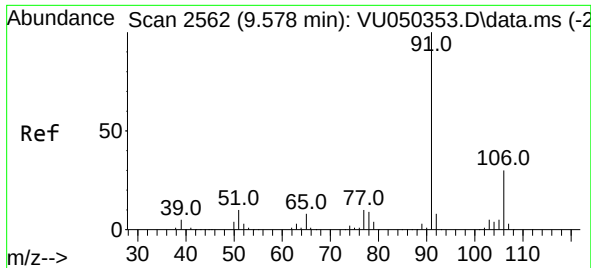
Tgt Ion:117 Resp: 2854  
 Ion Ratio Lower Upper  
 117 100  
 167 63.4 66.2 99.4#



#62  
 Hexachloroethane  
 Concen: 0.277 ug/l  
 RT: 12.478 min Scan# 3464  
 Delta R.T. -0.000 min  
 Lab File: VU050362.D  
 Acq: 17 Aug 2022 18:57

Tgt Ion:117 Resp: 1961  
 Ion Ratio Lower Upper  
 117 100  
 201 72.4 61.0 91.4

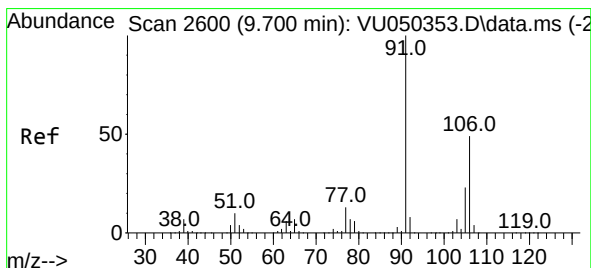
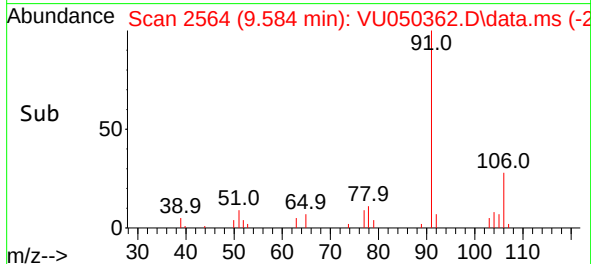
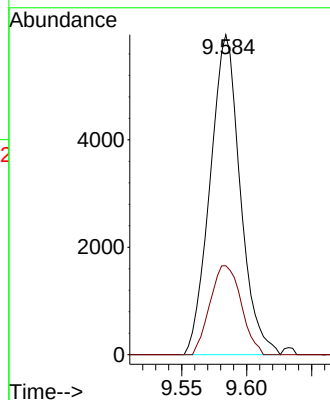
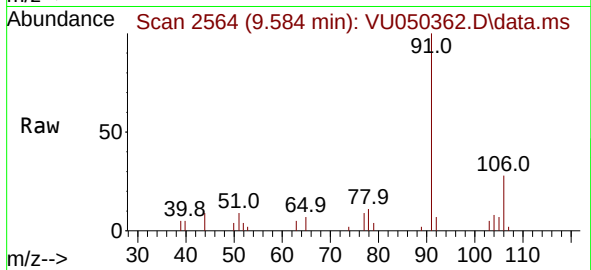




#63  
Ethyl Benzene  
Concen: 0.242 ug/l  
RT: 9.584 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

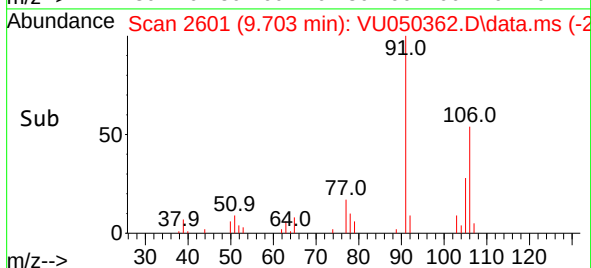
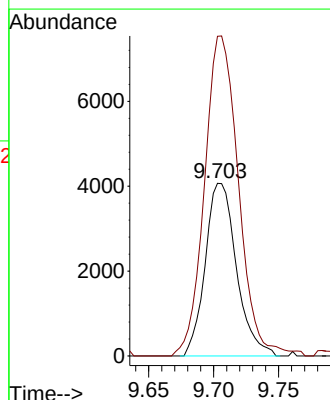
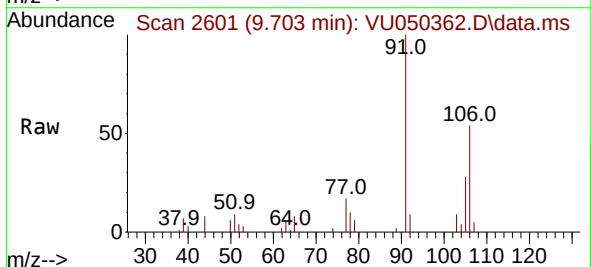
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

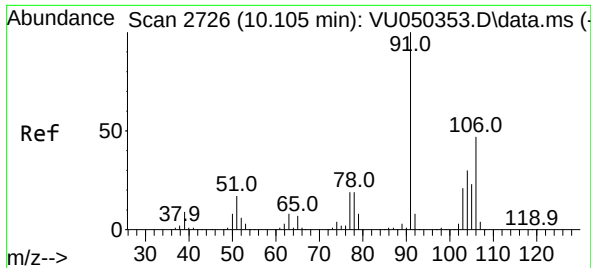
Tgt Ion: 91 Resp: 9604  
Ion Ratio Lower Upper  
91 100  
106 27.8 24.4 36.6



#64  
m/p-Xylenes  
Concen: 0.437 ug/l  
RT: 9.703 min Scan# 2601  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 106 Resp: 6795  
Ion Ratio Lower Upper  
106 100  
91 202.4 167.8 251.6

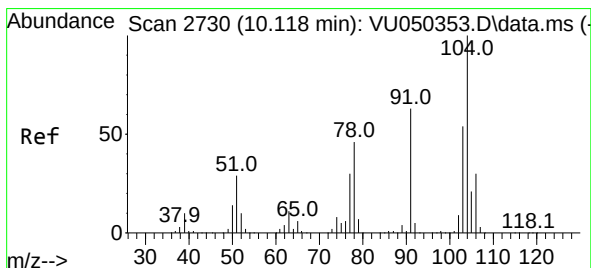
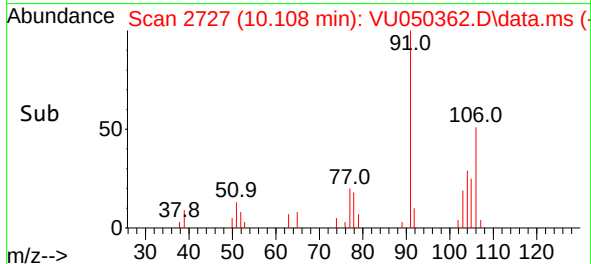
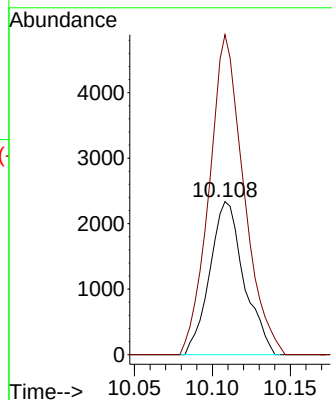
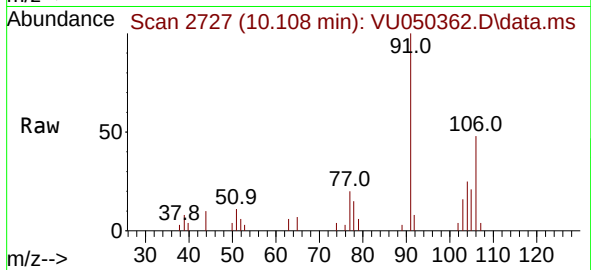




#65  
o-Xylene  
Concen: 0.239 ug/l  
RT: 10.108 min Scan# 2727  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

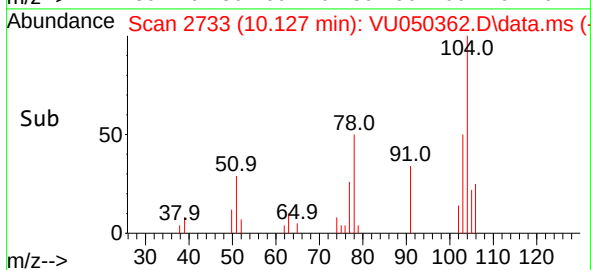
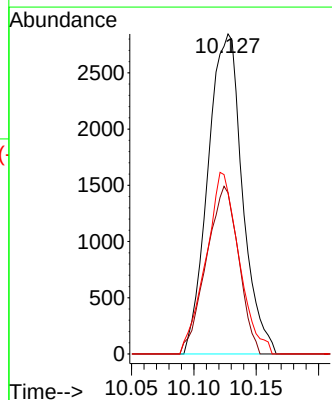
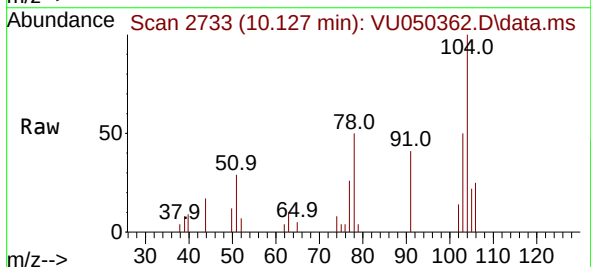
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

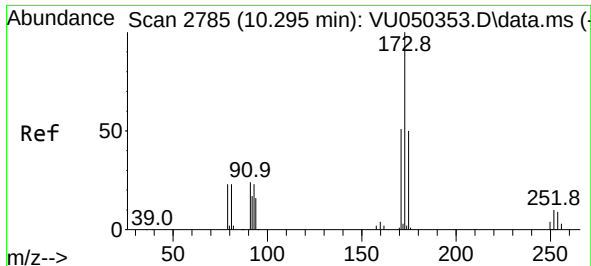
Tgt Ion:106 Resp: 3559  
Ion Ratio Lower Upper  
106 100  
91 211.6 111.1 333.2



#66  
Styrene  
Concen: 0.220 ug/l  
RT: 10.127 min Scan# 2733  
Delta R.T. 0.009 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion:104 Resp: 5469  
Ion Ratio Lower Upper  
104 100  
78 49.0 42.1 63.1  
103 54.3 44.5 66.7

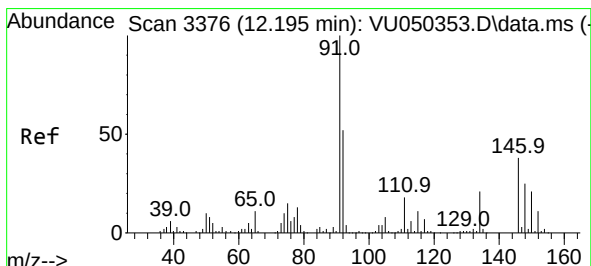
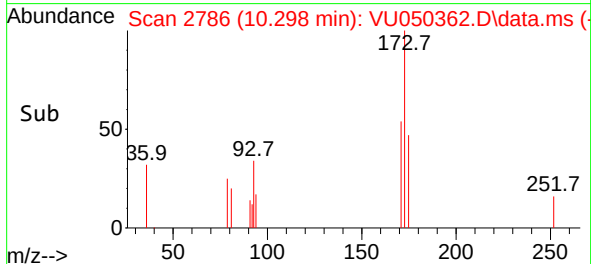
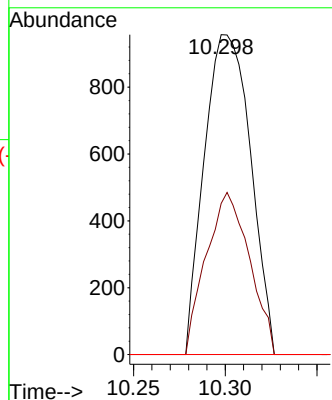
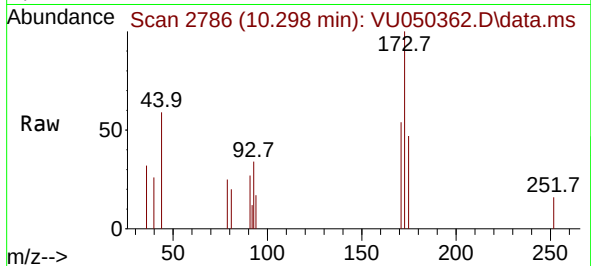




#67  
Bromoform  
Concen: 0.291 ug/l  
RT: 10.298 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

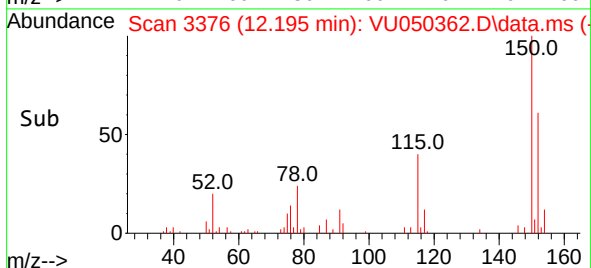
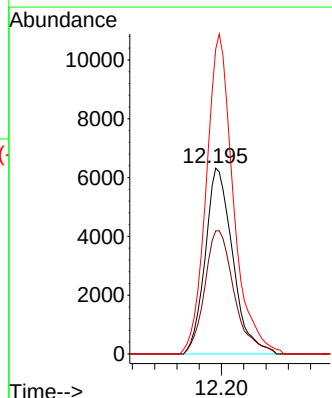
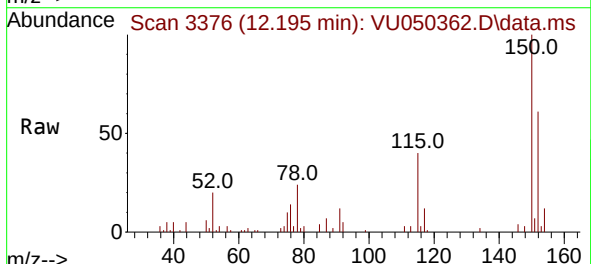
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

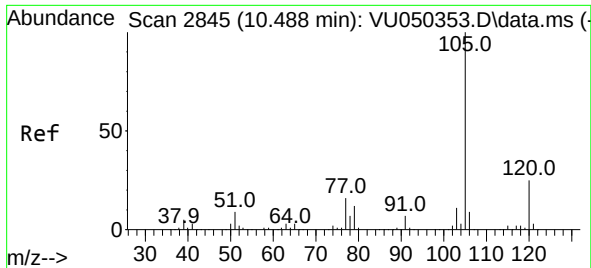
Tgt Ion:173 Resp: 1681  
Ion Ratio Lower Upper  
173 100  
175 47.4 38.4 57.6  
254 0.0 7.7 11.5#



#68  
1,2-Dichlorobenzene-d4  
Concen: 0.764 ug/l  
RT: 12.195 min Scan# 3376  
Delta R.T. -0.000 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion:152 Resp: 10832  
Ion Ratio Lower Upper  
152 100  
115 71.2 0.0 254.6  
150 169.4 0.0 623.6

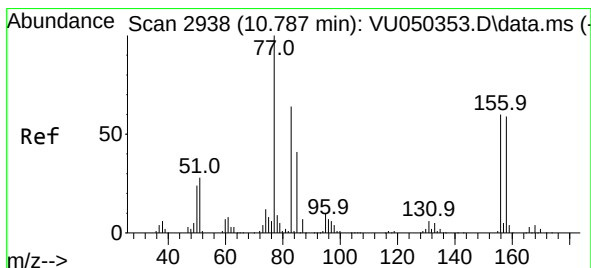
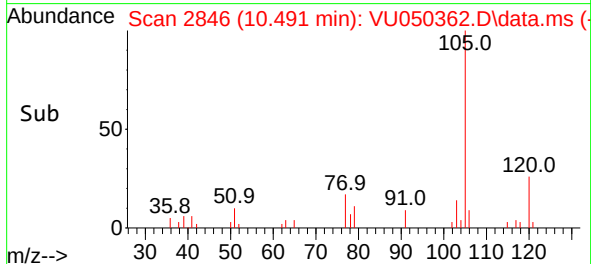
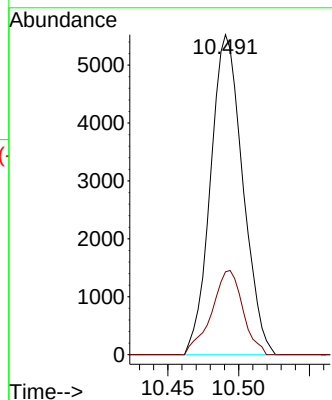
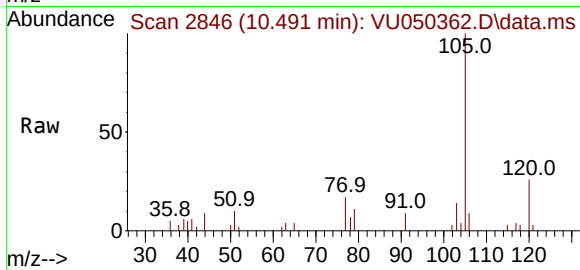




#69  
Isopropylbenzene  
Concen: 0.230 ug/l  
RT: 10.491 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

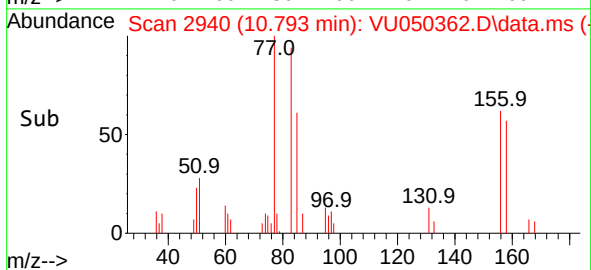
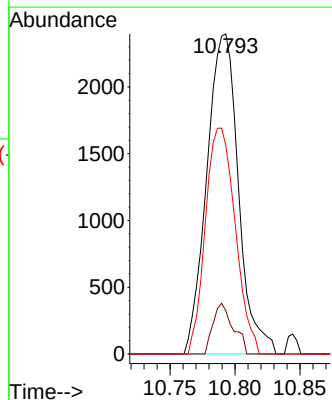
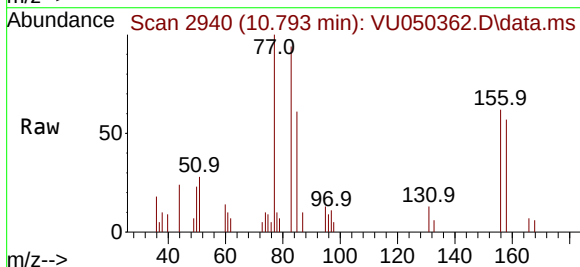
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

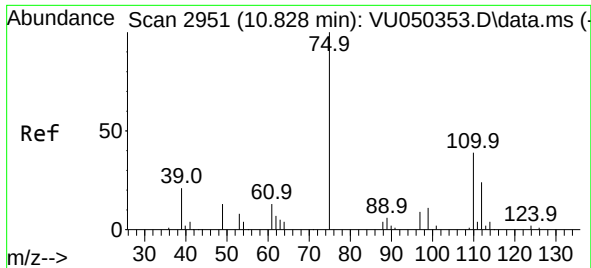
Tgt Ion:105 Resp: 8740  
Ion Ratio Lower Upper  
105 100  
120 25.5 12.6 37.8



#70  
1,1,2,2-Tetrachloroethane  
Concen: 0.315 ug/l  
RT: 10.793 min Scan# 2940  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 83 Resp: 4064  
Ion Ratio Lower Upper  
83 100  
131 10.0 7.7 11.5  
85 66.4 51.2 76.8

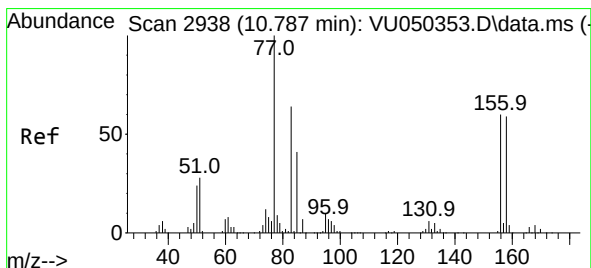
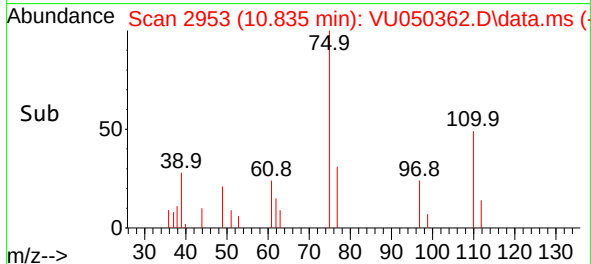
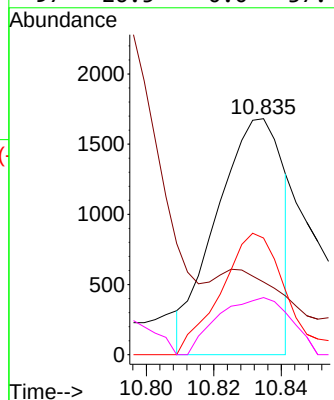
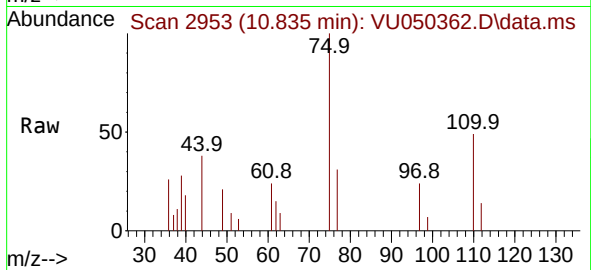




#71  
1,2,3-Trichloropropane  
Concen: 0.250 ug/l m  
RT: 10.835 min Scan# 2951  
Delta R.T. 0.007 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

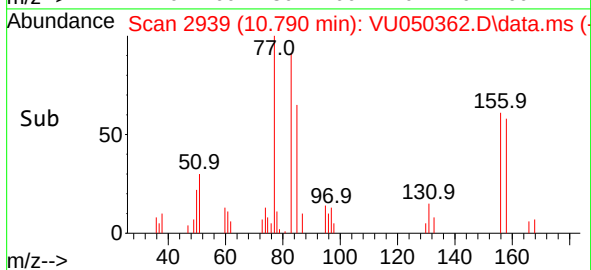
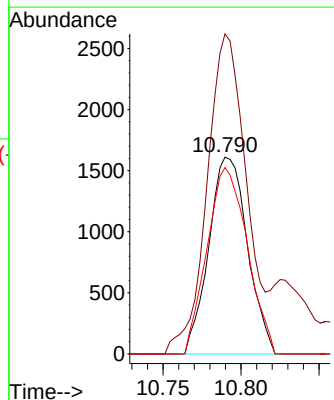
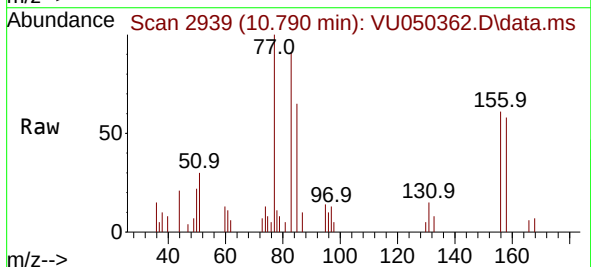
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

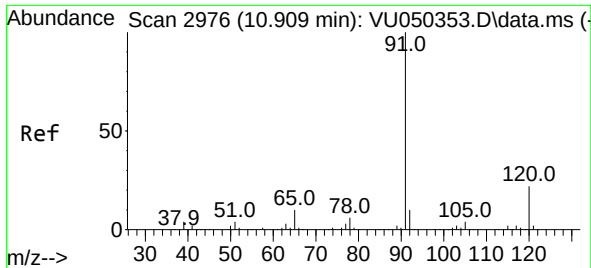
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 75 | Resp: | 2296  |       |
| Ion         | Ratio | Lower | Upper |
| 75          | 100   |       |       |
| 77          | 16.2  | 0.0   | 112.4 |
| 110         | 50.0  | 0.0   | 70.6  |
| 97          | 26.5  | 0.0   | 37.4  |



#72  
Bromobenzene  
Concen: 0.261 ug/l  
RT: 10.790 min Scan# 2939  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:156 | Resp: | 2768  |       |
| Ion         | Ratio | Lower | Upper |
| 156         | 100   |       |       |
| 77          | 164.0 | 0.0   | 344.4 |
| 158         | 98.9  | 0.0   | 192.2 |

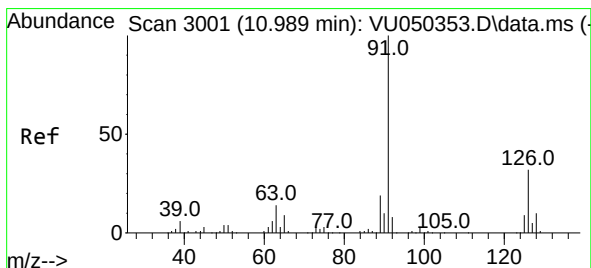
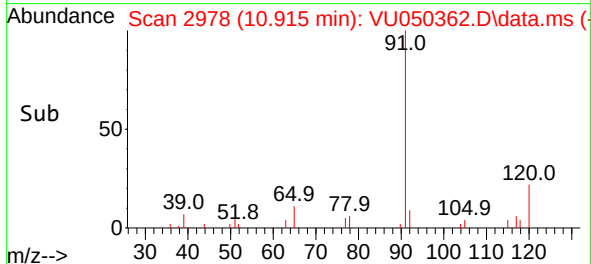
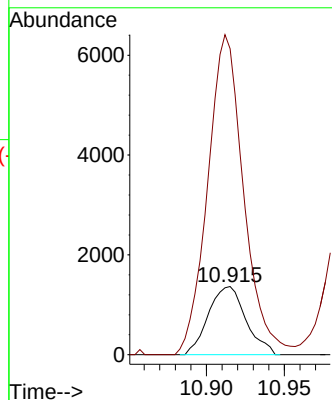
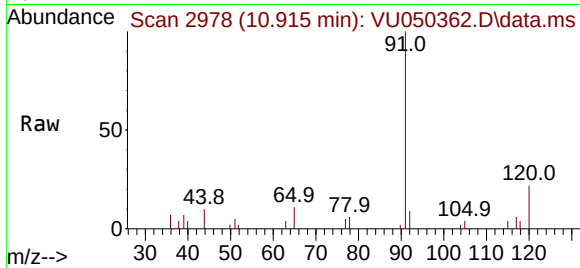




#73  
n-propylbenzene  
Concen: 0.228 ug/l  
RT: 10.915 min Scan# 2976  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

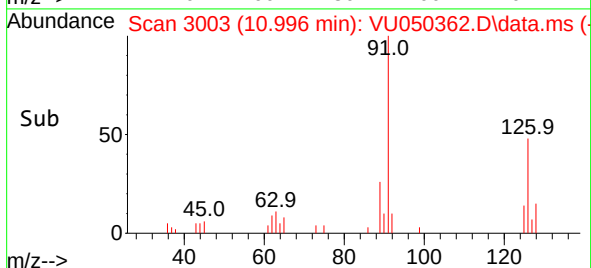
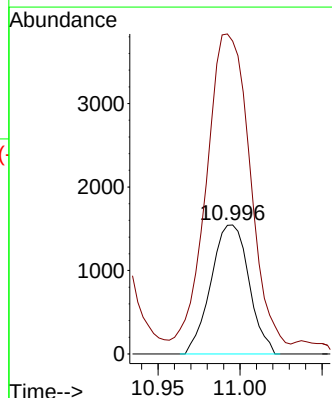
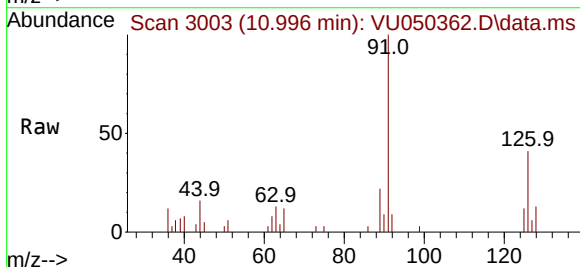
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

Tgt Ion:120 Resp: 2288  
Ion Ratio Lower Upper  
120 100  
91 450.4 367.8 551.6

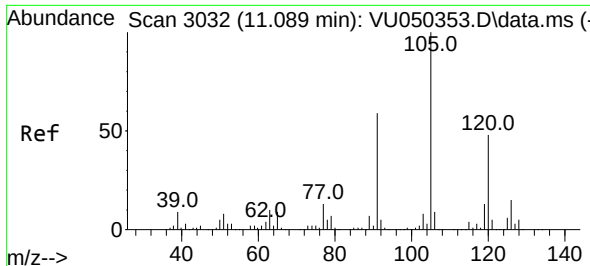


#74  
2-Chlorotoluene  
Concen: 0.252 ug/l  
RT: 10.996 min Scan# 3003  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion:126 Resp: 2482  
Ion Ratio Lower Upper  
126 100  
91 275.5 0.0 620.6



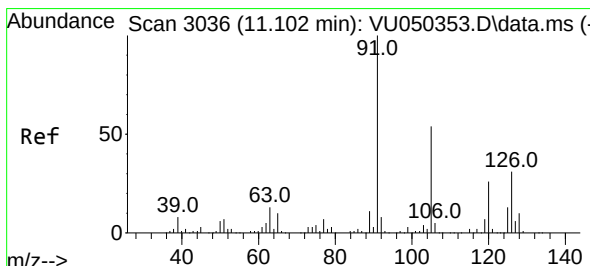
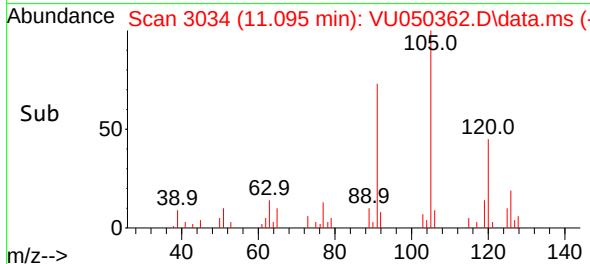
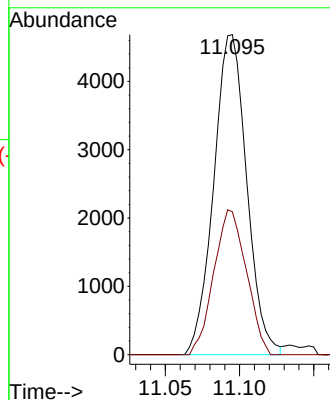
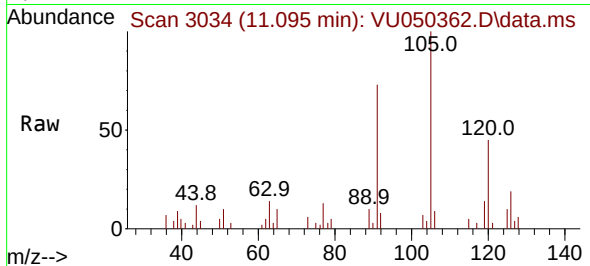




#75  
1,3,5-Trimethylbenzene  
Concen: 0.219 ug/l  
RT: 11.095 min Scan# 3032  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

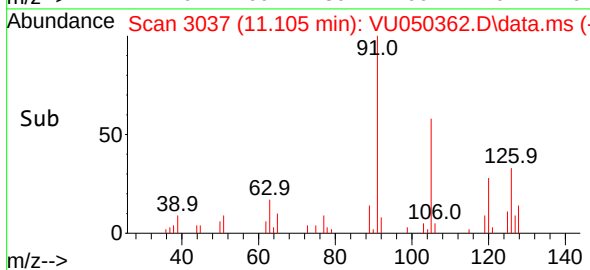
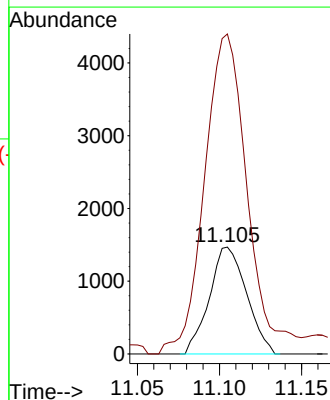
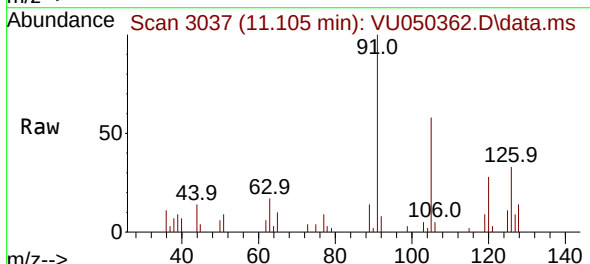
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

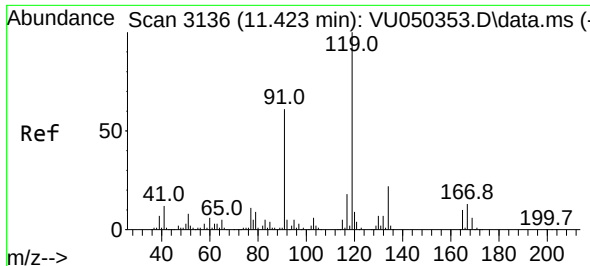
Tgt Ion:105 Resp: 7249  
Ion Ratio Lower Upper  
105 100  
120 44.6 37.6 56.4



#76  
4-Chlorotoluene  
Concen: 0.231 ug/l  
RT: 11.105 min Scan# 3037  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion:126 Resp: 2314  
Ion Ratio Lower Upper  
126 100  
91 344.5 0.0 738.8

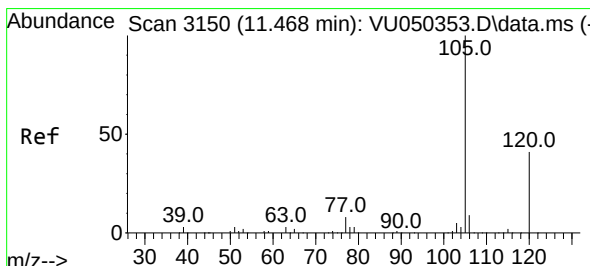
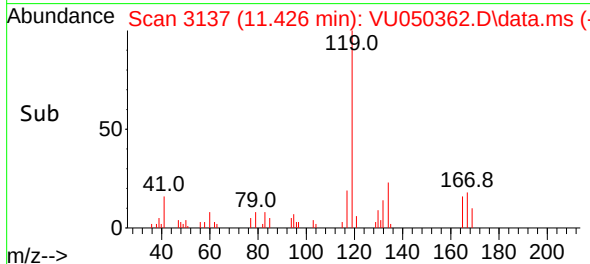
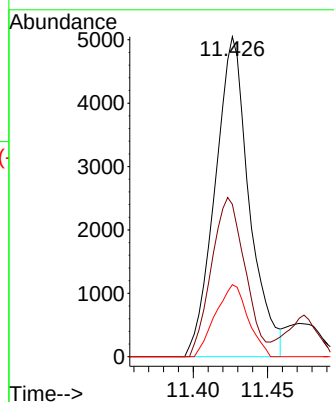
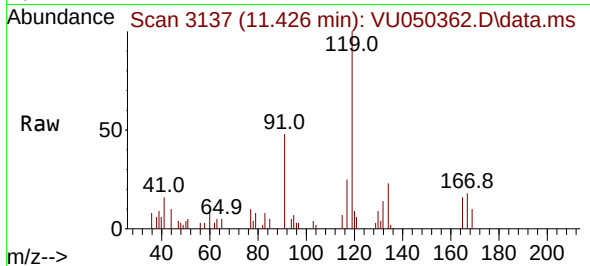




#77  
tert-Butylbenzene  
Concen: 0.244 ug/l  
RT: 11.426 min Scan# 3136  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

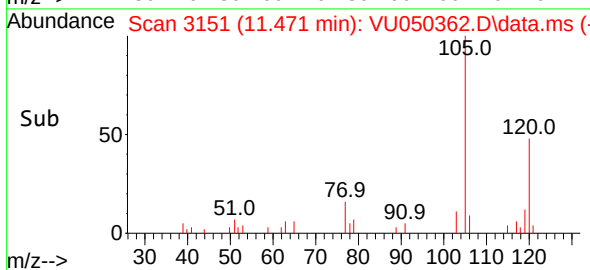
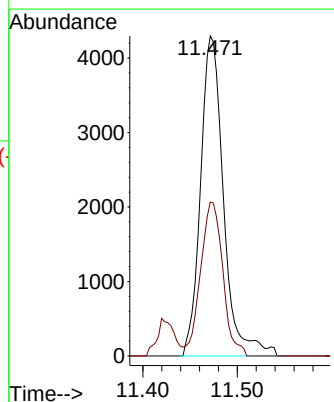
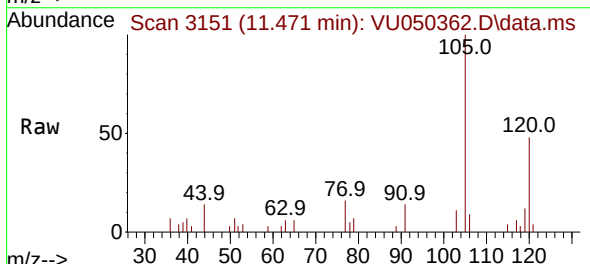
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

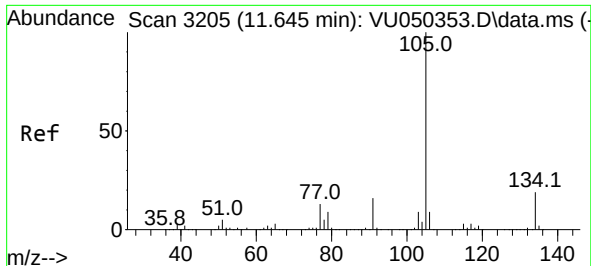
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:119 | Resp: | 8074      |
| Ion Ratio   | Lower | Upper     |
| 119         | 100   |           |
| 91          | 49.4  | 30.4 91.3 |
| 134         | 21.5  | 17.8 26.6 |



#78  
1,2,4-Trimethylbenzene  
Concen: 0.209 ug/l  
RT: 11.471 min Scan# 3151  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 7266      |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 46.5  | 21.6 65.0 |

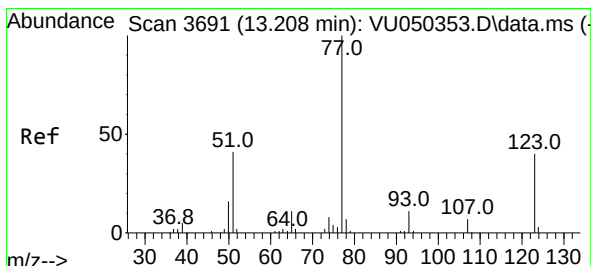
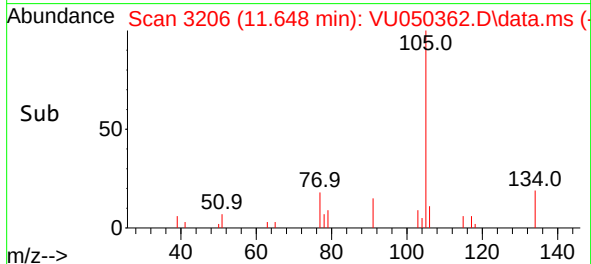
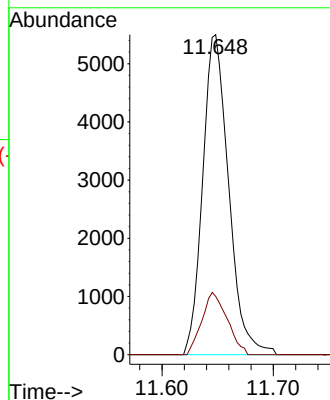
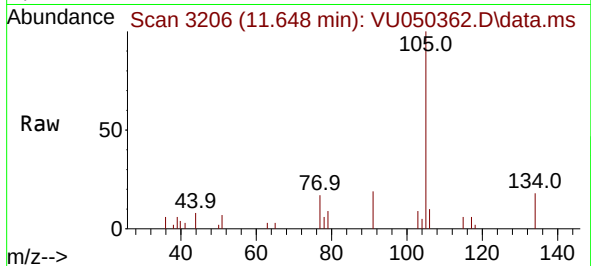




#79  
 sec-Butylbenzene  
 Concen: 0.200 ug/l  
 RT: 11.648 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU050362.D  
 Acq: 17 Aug 2022 18:57

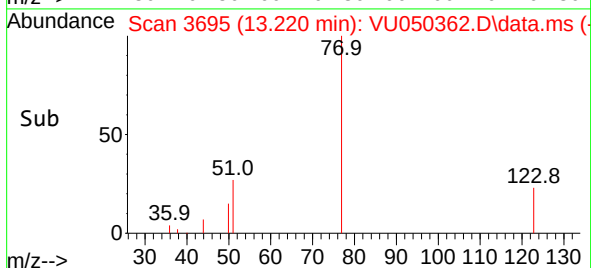
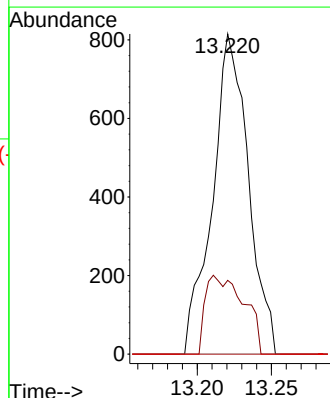
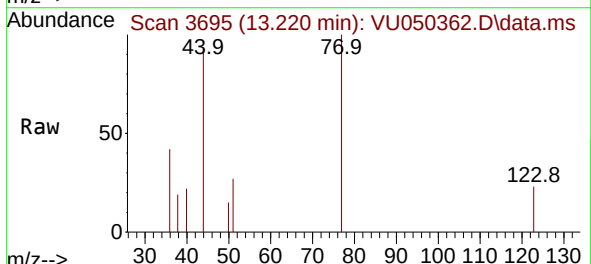
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2022

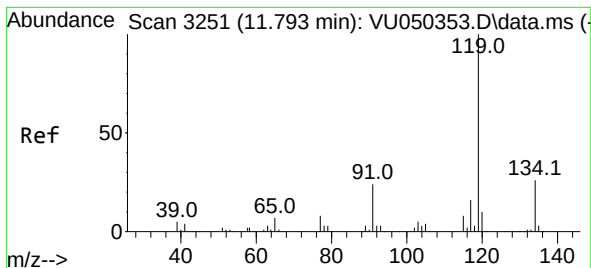
Tgt Ion:105 Resp: 8903  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 15.4 23.0



#80  
 Nitrobenzene  
 Concen: 1.727 ug/l  
 RT: 13.220 min Scan# 3695  
 Delta R.T. 0.012 min  
 Lab File: VU050362.D  
 Acq: 17 Aug 2022 18:57

Tgt Ion: 77 Resp: 1371  
 Ion Ratio Lower Upper  
 77 100  
 123 26.2 18.1 64.3  
 65 0.0 10.8 13.8#





#81

p-Isopropyltoluene

Concen: 0.124 ug/l

RT: 11.796 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2022

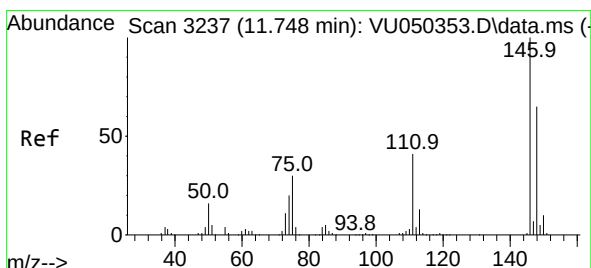
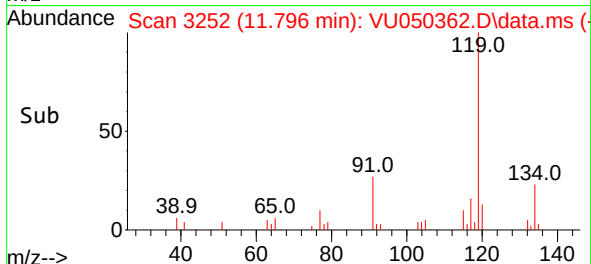
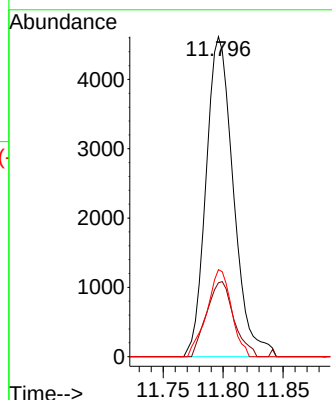
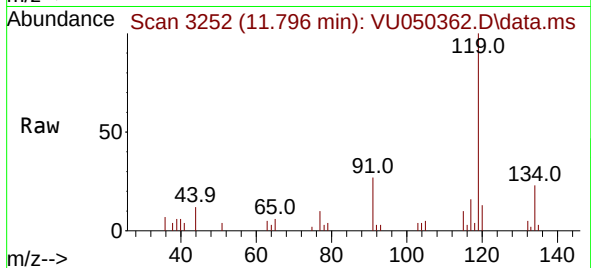
Tgt Ion:119 Resp: 7321

Ion Ratio Lower Upper

119 100

134 23.4 20.5 30.7

91 24.4 19.8 29.6



#82

1,3-Dichlorobenzene

Concen: 0.285 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. 0.003 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

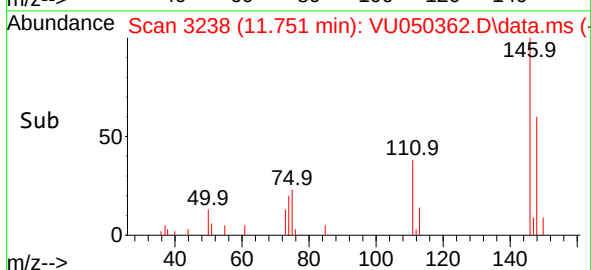
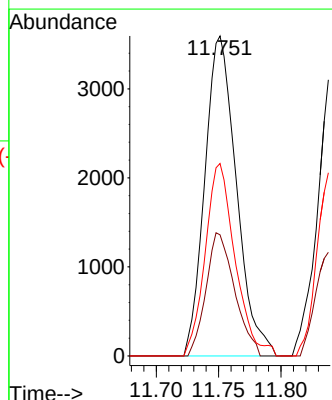
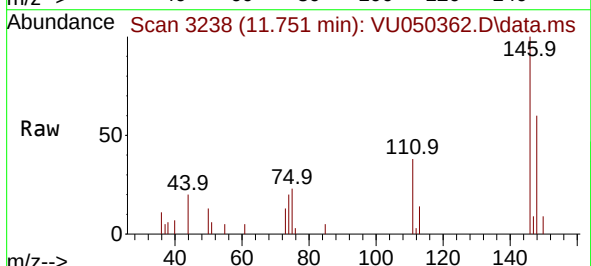
Tgt Ion:146 Resp: 6340

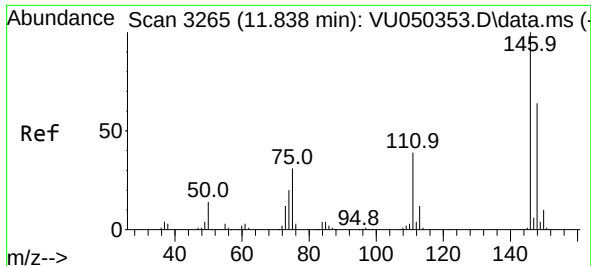
Ion Ratio Lower Upper

146 100

111 34.9 33.4 50.2

148 56.8 51.2 76.8

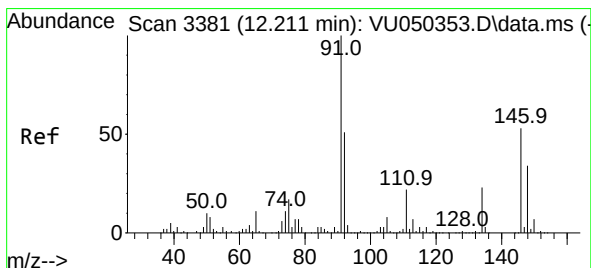
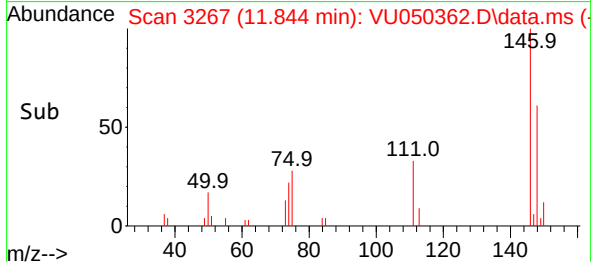
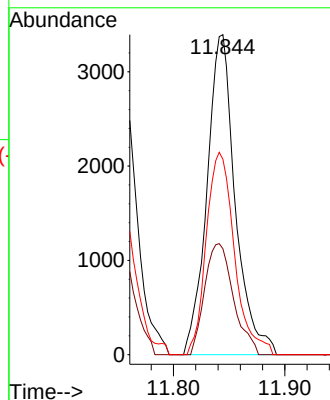
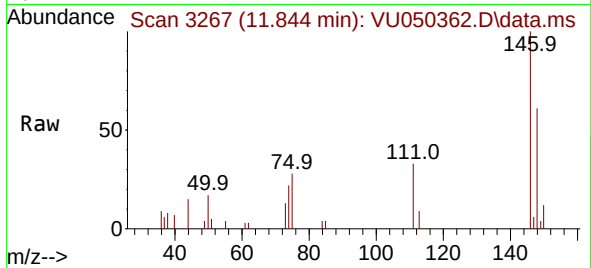




#83  
1,4-Dichlorobenzene  
Concen: 0.262 ug/l  
RT: 11.844 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

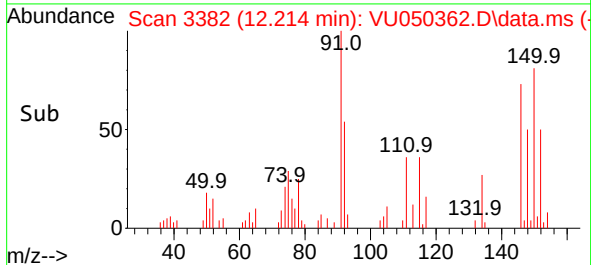
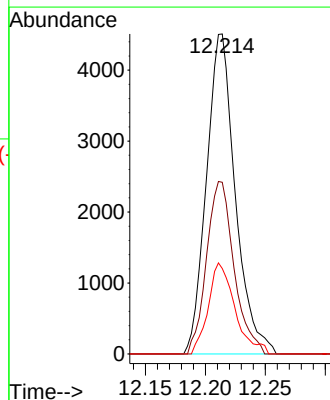
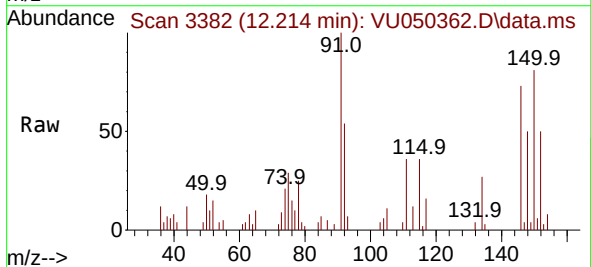
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

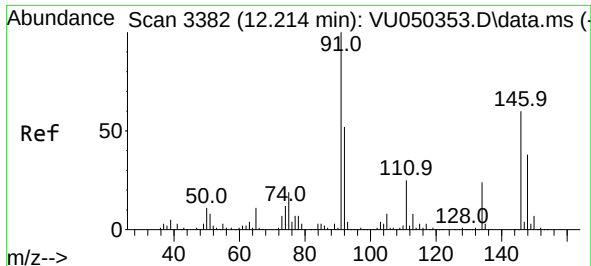
Tgt Ion:146 Resp: 5994  
Ion Ratio Lower Upper  
146 100  
111 35.3 32.6 49.0  
148 63.1 51.6 77.4



#84  
n-Butylbenzene  
Concen: 0.210 ug/l  
RT: 12.214 min Scan# 3382  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

Tgt Ion: 91 Resp: 7542  
Ion Ratio Lower Upper  
91 100  
92 51.4 42.3 63.5  
134 26.3 19.6 29.4

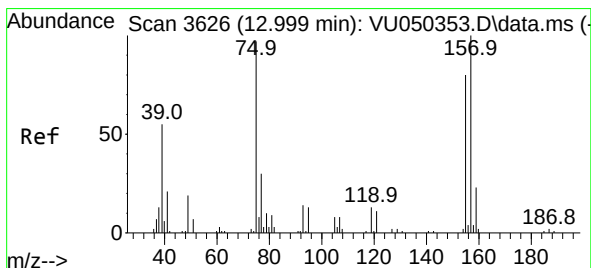
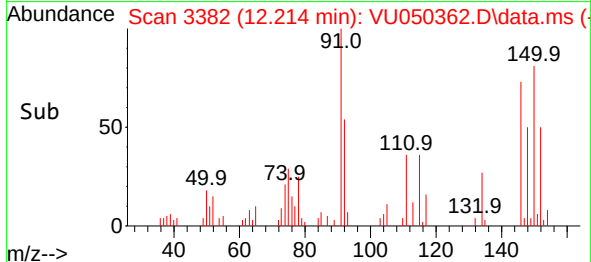
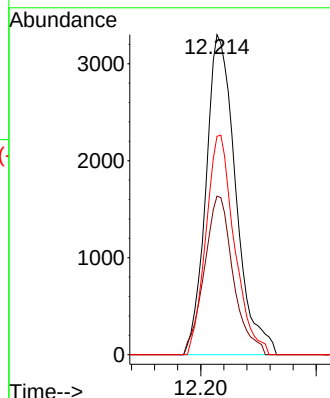
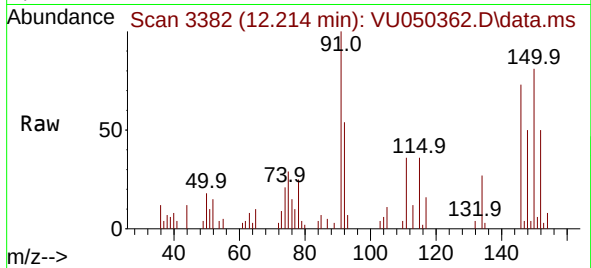




#85  
1,2-Dichlorobenzene  
Concen: 0.267 ug/l  
RT: 12.214 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

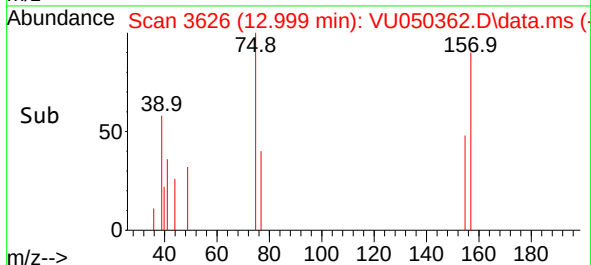
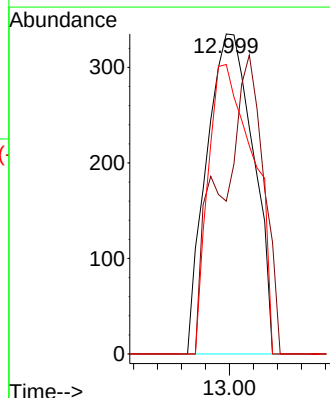
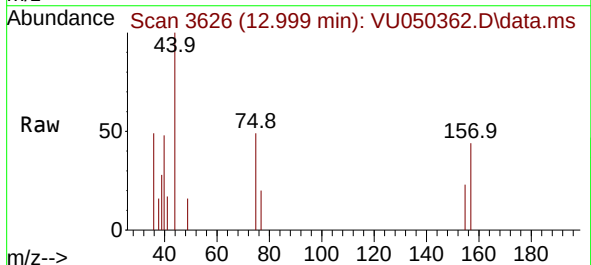
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2022

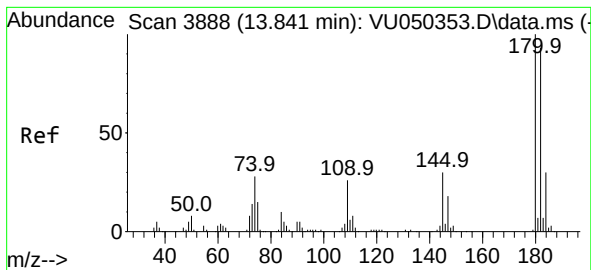
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 5908  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 48.1  | 22.1  | 66.1  |
| 148      | 65.6  | 32.1  | 96.3  |



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 0.219 ug/l  
RT: 12.999 min Scan# 3626  
Delta R.T. -0.000 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 454    |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 155      | 28.4  | 66.8  | 100.2# |
| 157      | 87.7  | 83.8  | 125.8  |





#87

1,2,4-Trichlorobenzene

Concen: 0.296 ug/l

RT: 13.844 min Scan# 3889

Delta R.T. 0.003 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2022

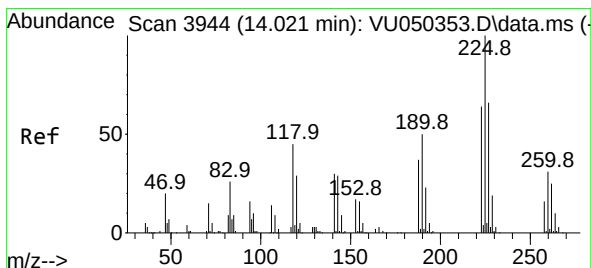
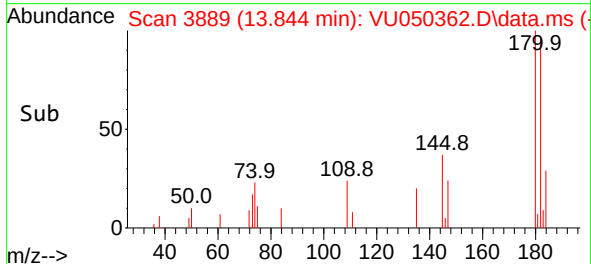
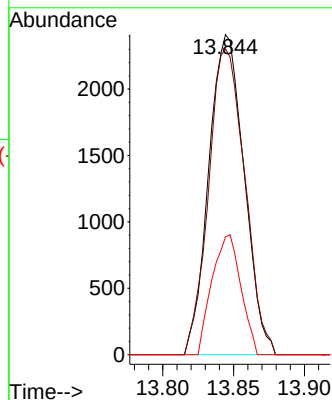
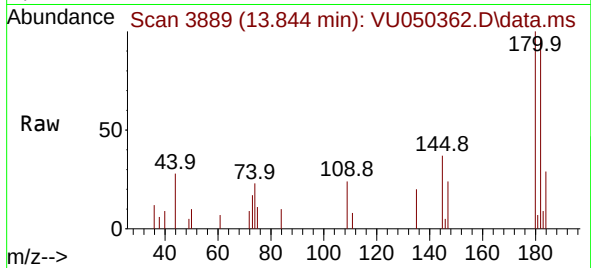
Tgt Ion:180 Resp: 4181

Ion Ratio Lower Upper

180 100

182 97.6 77.0 115.6

145 30.4 25.7 38.5



#88

Hexachlorobutadiene

Concen: 0.294 ug/l

RT: 14.021 min Scan# 3944

Delta R.T. -0.000 min

Lab File: VU050362.D

Acq: 17 Aug 2022 18:57

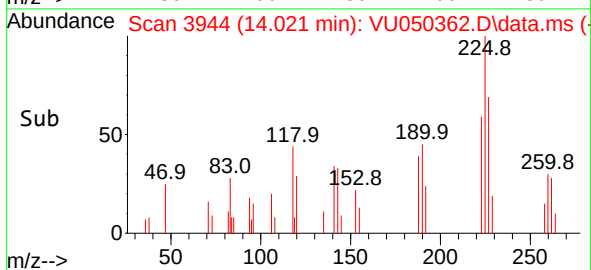
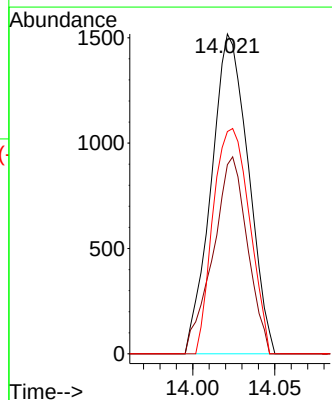
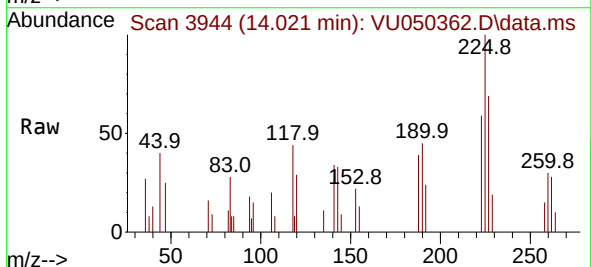
Tgt Ion:225 Resp: 2377

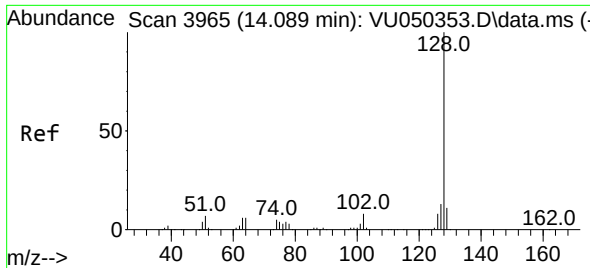
Ion Ratio Lower Upper

225 100

223 57.2 50.6 76.0

227 69.2 50.7 76.1

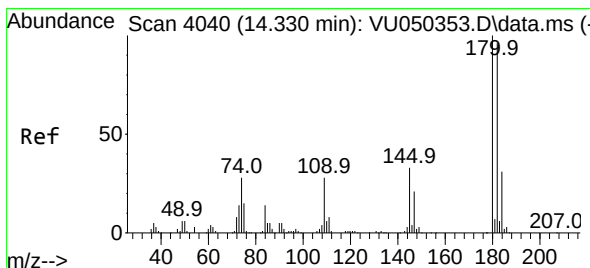
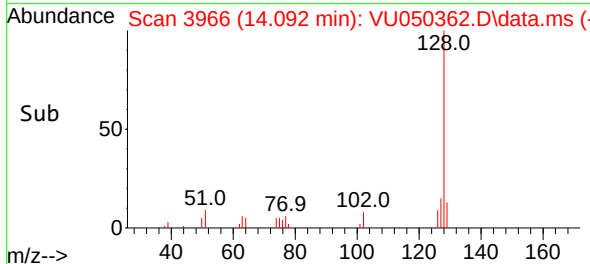
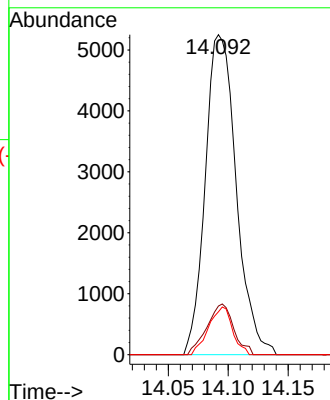
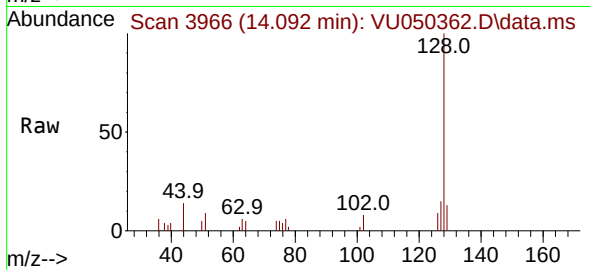




#89  
Naphthalene  
Concen: 0.340 ug/l  
RT: 14.092 min Scan# 3965  
Delta R.T. 0.003 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

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

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 9424      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 13.7  | 10.1 15.1 |
| 129         | 11.5  | 8.6 12.8  |



#90  
1,2,3-Trichlorobenzene  
Concen: 0.300 ug/l  
RT: 14.336 min Scan# 4042  
Delta R.T. 0.006 min  
Lab File: VU050362.D  
Acq: 17 Aug 2022 18:57

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 4276       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 99.6  | 76.6 114.8 |
| 145         | 31.4  | 27.3 40.9  |

