

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111022\  
 Data File : VX032754.D  
 Acq On : 11 Nov 2022 04:27  
 Operator : JC/MD  
 Sample : N4955-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2022

Quant Time: Nov 11 05:34:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X111022W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 11 05:24:06 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Bromochloromethane        | 4.903  | 128   | 11399    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.763  | 114   | 77479    | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055 | 117   | 83175    | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.958  | 65    | 32387    | 29.451   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =      | 98.167%  |
| 60) 4-Bromofluorobenzene     | 11.079 | 95    | 44221    | 27.794   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =      | 92.633%  |
| 63) Toluene-d8               | 8.646  | 98    | 84769    | 30.199   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =      | 100.667% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 2330     | 2.310    | ug/l   | 95       |
| 3) Chloromethane             | 1.294  | 50    | 2420     | 2.417    | ug/l   | 92       |
| 4) Vinyl Chloride            | 1.373  | 62    | 2910     | 2.571    | ug/l   | 97       |
| 5) Bromomethane              | 1.611  | 94    | 2992     | 2.977    | ug/l   | 82       |
| 6) Chloroethane              | 1.684  | 64    | 2534     | 2.834    | ug/l   | 89       |
| 7) Trichlorofluoromethane    | 1.885  | 101   | 5638     | 2.584    | ug/l   | 90       |
| 8) Diethyl Ether             | 2.129  | 74    | 1891     | 2.680    | ug/l   | 75       |
| 9) 1,1,2-Trichlorotrifluo... | 2.324  | 101   | 2857     | 2.461    | ug/l   | 98       |
| 10) 1,1-Dichloroethene       | 2.318  | 96    | 2721     | 2.454    | ug/l   | 87       |
| 11) Methyl Iodide            | 2.458  | 142   | 2057     | 1.725    | ug/l   | 85       |
| 12) Methyl Acetate           | 2.708  | 43    | 4177     | 2.543    | ug/l   | 92       |
| 13) Acrolein                 | 2.239  | 56    | 2815     | 12.851   | ug/l   | 99       |
| 14) Acrylonitrile            | 3.074  | 53    | 7205     | 12.236   | ug/l   | 99       |
| 15) Acetone                  | 2.391  | 58    | 2053     | 13.407   | ug/l   | 97       |
| 16) Carbon Disulfide         | 2.513  | 76    | 6692     | 2.424    | ug/l   | 98       |
| 17) Allyl chloride           | 2.666  | 41    | 4104     | 2.329    | ug/l   | 88       |
| 18) Methylene Chloride       | 2.794  | 84    | 3962     | 3.098    | ug/l   | 87       |
| 19) trans-1,2-Dichloroethene | 3.093  | 96    | 2943     | 2.409    | ug/l   | 85       |
| 20) Diisopropyl ether        | 3.763  | 45    | 9313     | 2.357    | ug/l # | 94       |
| 21) 1,1-Dichloroethane       | 3.611  | 63    | 5449     | 2.457    | ug/l   | 91       |
| 22) cis-1,2-Dichloroethene   | 4.489  | 96    | 3489     | 2.446    | ug/l   | 85       |
| 23) tert-Butyl Alcohol       | 2.983  | 59    | 2873     | 15.026   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 3.117  | 73    | 9401     | 2.368    | ug/l # | 87       |
| 25) Chloroform               | 5.092  | 83    | 6166     | 2.493    | ug/l   | 88       |
| 26) Cyclohexane              | 5.476  | 56    | 4719     | 2.436    | ug/l # | 77       |
| 29) 1,1-Dichloropropene      | 5.696  | 75    | 4147     | 2.413    | ug/l   | 79       |
| 30) 2-Butanone               | 4.574  | 43    | 10391    | 12.969   | ug/l   | 91       |
| 31) 2,2-Dichloropropane      | 4.476  | 77    | 3267     | 2.223    | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.385  | 97    | 5199     | 2.405    | ug/l   | 93       |
| 33) Carbon Tetrachloride     | 5.671  | 117   | 2667     | 1.405    | ug/l   | 87       |
| 34) Benzene                  | 6.037  | 78    | 11942    | 2.467    | ug/l   | 98       |
| 35) Methacrylonitrile        | 4.928  | 41    | 1650     | 1.818    | ug/l   | 94       |
| 36) 1,2-Dichloroethane       | 6.098  | 62    | 5004     | 2.511    | ug/l # | 79       |
| 37) Trichloroethene          | 7.128  | 130   | 3501     | 2.585    | ug/l   | 83       |
| 38) Methylcyclohexane        | 7.384  | 83    | 4661     | 2.421    | ug/l   | 88       |
| 39) 1,2-Dichloropropane      | 7.433  | 63    | 2982     | 2.433    | ug/l # | 80       |
| 40) Dibromomethane           | 7.586  | 93    | 2243     | 2.397    | ug/l   | 95       |
| 41) Bromodichloromethane     | 7.823  | 83    | 4126     | 2.313    | ug/l   | 90       |
| 42) Vinyl Acetate            | 3.720  | 43    | 34583    | 11.233   | ug/l # | 91       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111022\  
 Data File : VX032754.D  
 Acq On : 11 Nov 2022 04:27  
 Operator : JC/MD  
 Sample : N4955-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 44 Sample Multiplier: 1

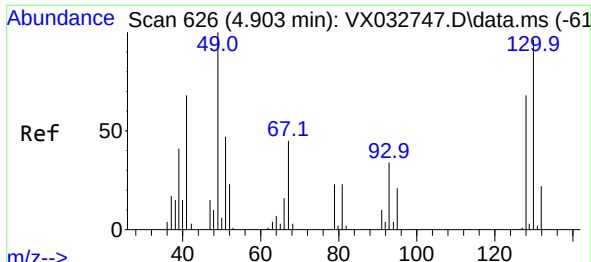
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2022

Quant Time: Nov 11 05:34:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X111022W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 11 05:24:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 43) Ethyl Acetate             | 4.574  | 43   | 10391    | 6.447  | ug/l   | 95       |
| 44) Isopropyl Acetate         | 6.348  | 43   | 6027     | 2.231  | ug/l   | 95       |
| 45) 1,4-Dioxane               | 7.695  | 88   | 1242     | 47.872 | ug/l # | 83       |
| 46) Methyl methacrylate       | 7.695  | 41   | 3199     | 2.353  | ug/l   | 76       |
| 47) n-amyl Acetate            | 10.841 | 43   | 4880     | 2.032  | ug/l   | 100      |
| 48) t-1,3-Dichloropropene     | 8.982  | 75   | 3431     | 1.875  | ug/l   | 95       |
| 49) cis-1,3-Dichloropropene   | 8.366  | 75   | 4171     | 2.159  | ug/l # | 84       |
| 50) 1,1,2-Trichloroethane     | 9.152  | 97   | 3068     | 2.385  | ug/l   | 93       |
| 51) Ethyl methacrylate        | 9.122  | 69   | 3732     | 1.942  | ug/l   | 73       |
| 52) 1,3-Dichloropropane       | 9.311  | 76   | 4975     | 2.365  | ug/l   | 97       |
| 53) Dibromochloromethane      | 9.524  | 129  | 2972     | 2.124  | ug/l   | 95       |
| 54) 1,2-Dibromoethane         | 9.616  | 107  | 3411     | 2.461  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 8.244  | 63   | 11118    | 11.974 | ug/l # | 92       |
| 56) Bromoform                 | 10.798 | 173  | 1921     | 1.918  | ug/l # | 94       |
| 58) 4-Methyl-2-Pentanone      | 8.573  | 43   | 19960    | 12.259 | ug/l # | 90       |
| 59) 2-Hexanone                | 9.433  | 43   | 14434    | 12.040 | ug/l   | 90       |
| 61) Tetrachloroethene         | 9.274  | 164  | 2909     | 2.503  | ug/l   | 94       |
| 62) Toluene                   | 8.720  | 91   | 13131    | 2.428  | ug/l   | 99       |
| 64) Chlorobenzene             | 10.079 | 112  | 8415     | 2.516  | ug/l # | 86       |
| 65) 1,1,1,2-Tetrachloroethane | 10.164 | 131  | 2900     | 2.276  | ug/l   | 98       |
| 66) Ethyl Benzene             | 10.195 | 91   | 14103    | 2.324  | ug/l   | 93       |
| 67) m/p-Xylenes               | 10.305 | 106  | 10753    | 4.554  | ug/l   | 88       |
| 68) o-Xylene                  | 10.646 | 106  | 5446     | 2.351  | ug/l   | 92       |
| 69) Styrene                   | 10.658 | 104  | 8345     | 2.167  | ug/l   | 94       |
| 70) Isopropylbenzene          | 10.963 | 105  | 14006    | 2.264  | ug/l   | 95       |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 4405     | 2.348  | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane    | 11.243 | 75   | 3912     | 2.401  | ug/l   | 97       |
| 73) Bromobenzene              | 11.201 | 156  | 3903     | 2.597  | ug/l   | 93       |
| 74) n-propylbenzene           | 11.304 | 91   | 15533    | 2.210  | ug/l   | 94       |
| 75) 2-Chlorotoluene           | 11.365 | 91   | 10483    | 2.463  | ug/l   | 89       |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 11896    | 2.275  | ug/l   | 93       |
| 77) t-1,4-Dichloro-2-butene   | 11.024 | 75   | 817      | 1.643  | ug/l   | 85       |
| 78) 4-Chlorotoluene           | 11.457 | 91   | 11100    | 2.264  | ug/l   | 92       |
| 79) tert-butylbenzene         | 11.713 | 119  | 11553    | 2.273  | ug/l   | 93       |
| 80) 1,2,4-Trimethylbenzene    | 11.749 | 105  | 11396    | 2.229  | ug/l   | 96       |
| 81) sec-Butylbenzene          | 11.890 | 105  | 13618    | 2.226  | ug/l   | 97       |
| 82) p-Isopropyltoluene        | 12.012 | 119  | 10780    | 2.090  | ug/l   | 95       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 6264     | 2.272  | ug/l   | 97       |
| 84) 1,4-Dichlorobenzene       | 12.042 | 146  | 6839     | 2.470  | ug/l   | 97       |
| 85) n-Butylbenzene            | 12.335 | 91   | 8885     | 2.033  | ug/l   | 91       |
| 86) Hexachloroethane          | 12.542 | 117  | 1663     | 1.964  | ug/l   | 98       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 6281     | 2.291  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.944 | 75   | 902      | 2.266  | ug/l # | 76       |
| 89) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 3793     | 2.253  | ug/l   | 95       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 1506     | 2.223  | ug/l   | 88       |
| 91) Naphthalene               | 13.774 | 128  | 12078    | 2.126  | ug/l   | 96       |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 3753     | 2.217  | ug/l   | 98       |

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

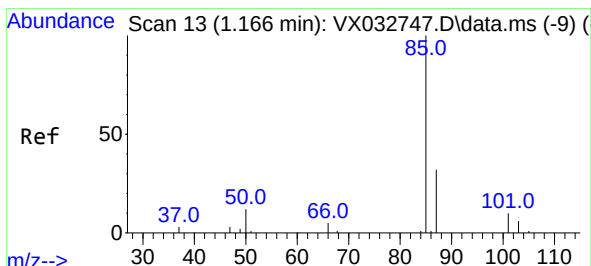
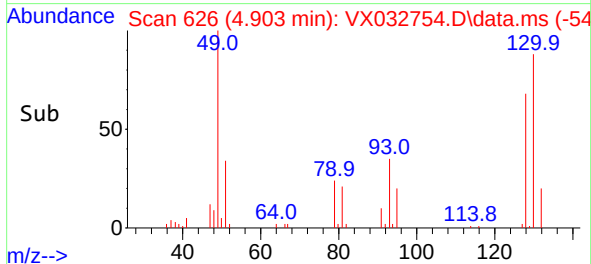
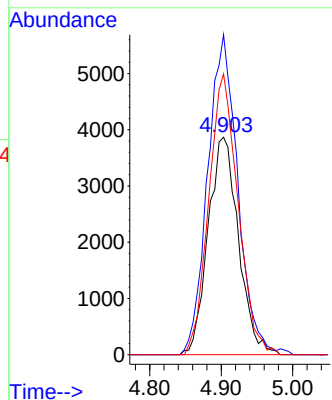
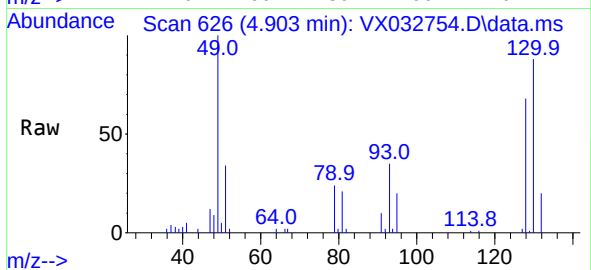




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.903 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

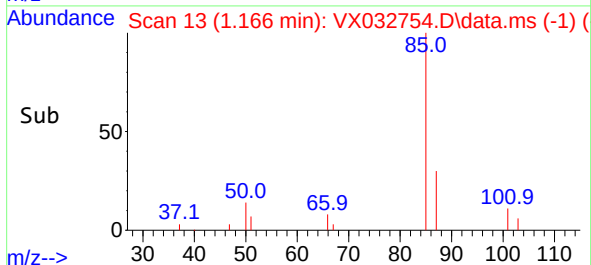
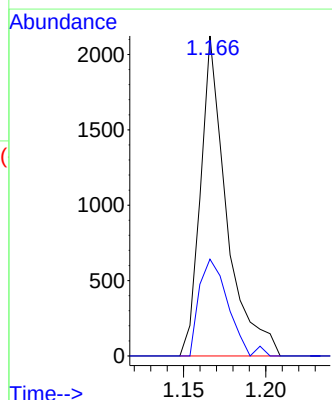
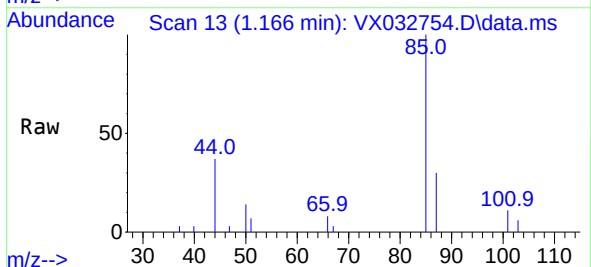
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

Tgt Ion:128 Resp: 11399  
Ion Ratio Lower Upper  
128 100  
49 145.3 0.0 293.0  
130 124.1 0.0 321.5

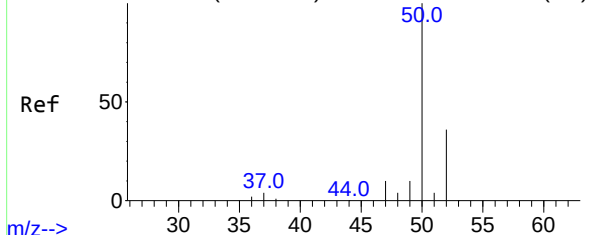


#2  
Dichlorodifluoromethane  
Concen: 2.310 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 85 Resp: 2330  
Ion Ratio Lower Upper  
85 100  
87 30.2 16.5 49.5



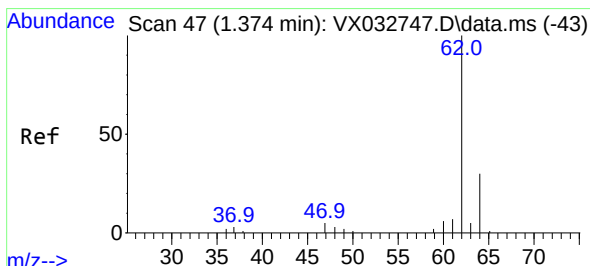
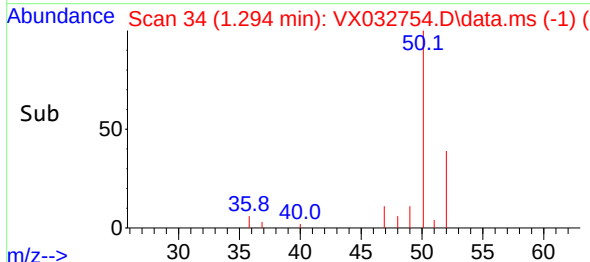
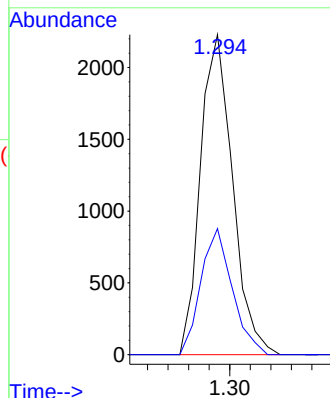
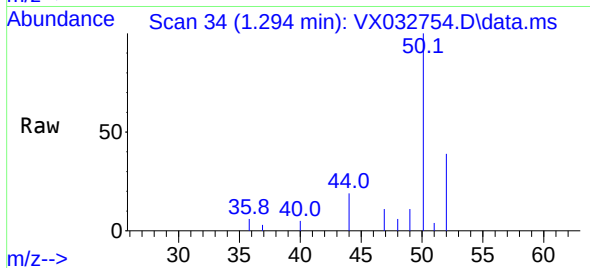
Abundance Scan 34 (1.294 min): VX032747.D\data.ms (-30)



#3  
Chloromethane  
Concen: 2.417 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

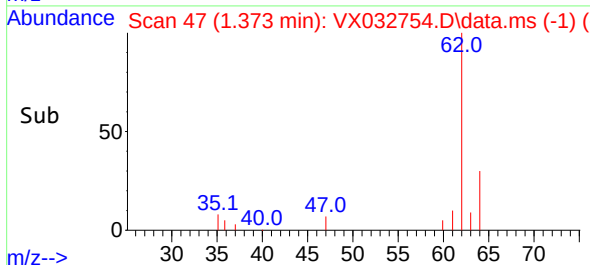
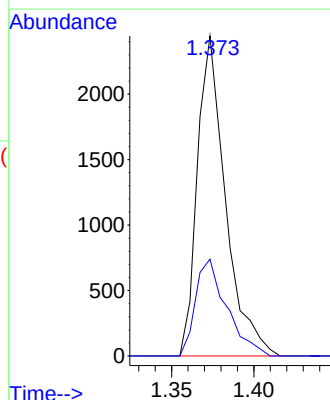
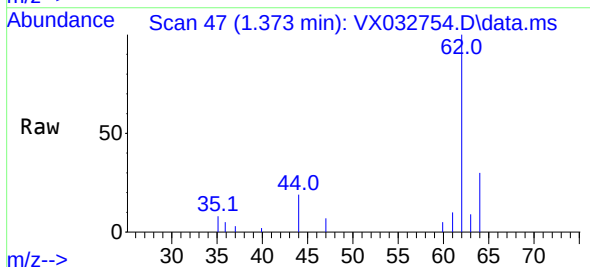
Instrument :  
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LOD-MDL-WATER-01-QT4-2022

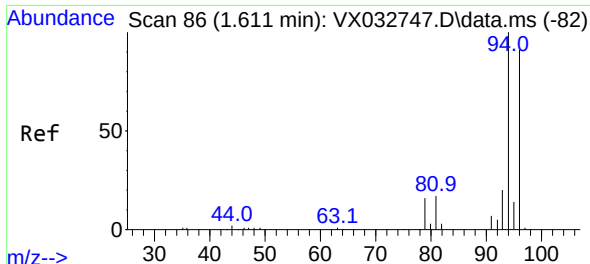
Tgt Ion: 50 Resp: 2420  
Ion Ratio Lower Upper  
50 100  
52 39.4 27.6 41.4



#4  
Vinyl Chloride  
Concen: 2.571 ug/l  
RT: 1.373 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 62 Resp: 2910  
Ion Ratio Lower Upper  
62 100  
64 30.3 25.7 38.5

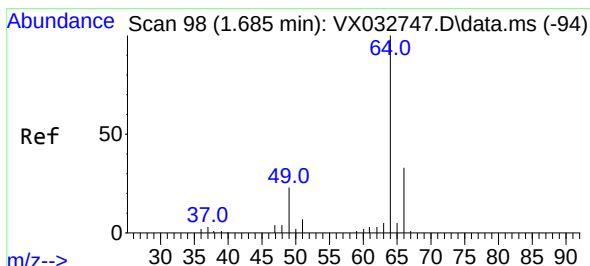
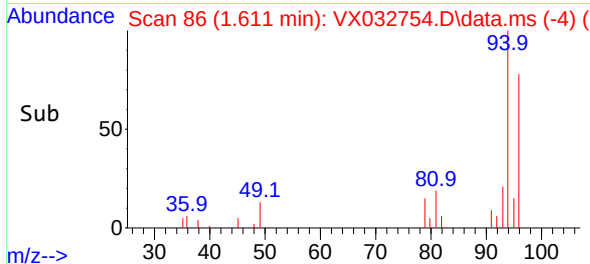
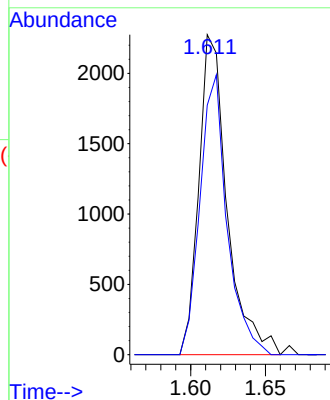
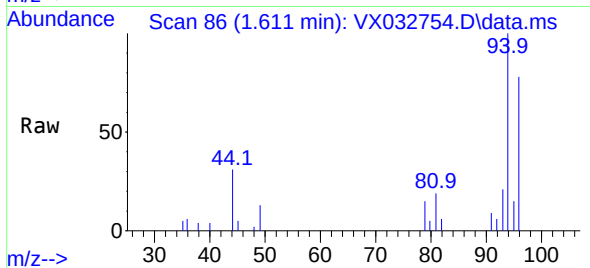




#5  
Bromomethane  
Concen: 2.977 ug/l  
RT: 1.611 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

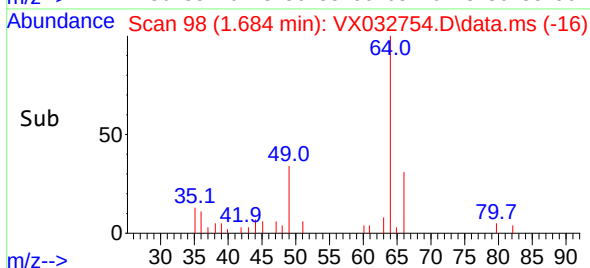
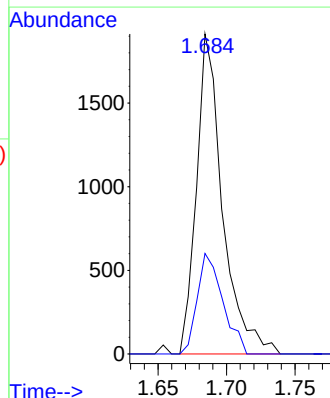
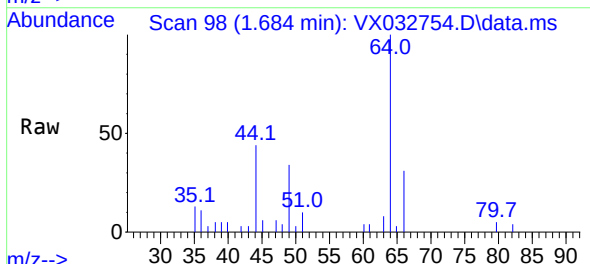
Instrument : MSVOA\_X  
ClientSampleId : LOD-MDL-WATER-01-QT4-2022

Tgt Ion: 94 Resp: 2992  
Ion Ratio Lower Upper  
94 100  
96 77.9 76.8 115.2

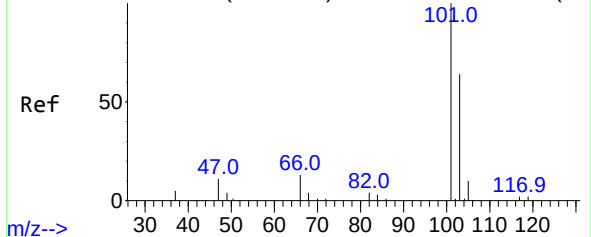


#6  
Chloroethane  
Concen: 2.834 ug/l  
RT: 1.684 min Scan# 98  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

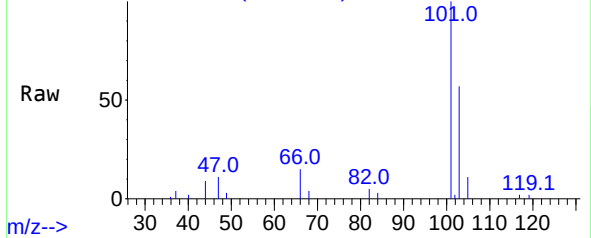
Tgt Ion: 64 Resp: 2534  
Ion Ratio Lower Upper  
64 100  
66 31.4 30.6 46.0



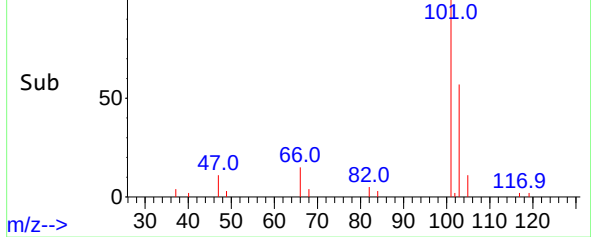
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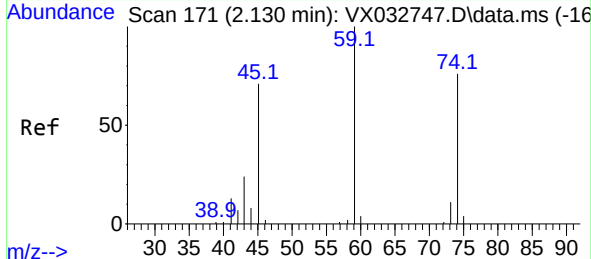
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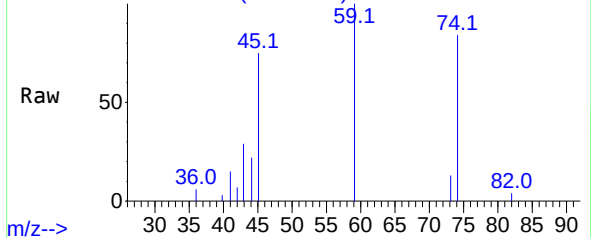
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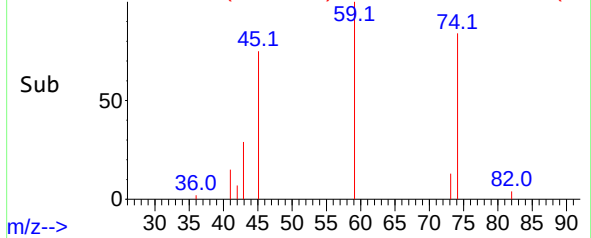
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m/z--> Abundance Scan 171 (2.129 min): VX032754.D\data.ms



m/z--> Abundance Scan 171 (2.129 min): VX032754.D\data.ms (-13



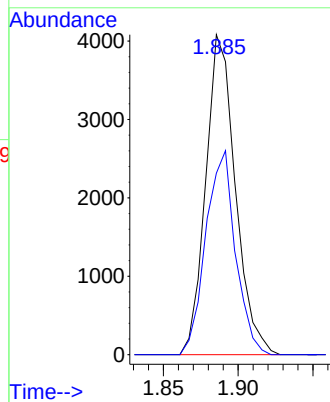
m/z--> Abundance Scan 171 (2.129 min): VX032754.D\data.ms (-13

m/z--> Abundance Scan 171 (2.129 min): VX032754.D\data.ms (-13

#7  
Trichlorofluoromethane  
Concen: 2.584 ug/l  
RT: 1.885 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

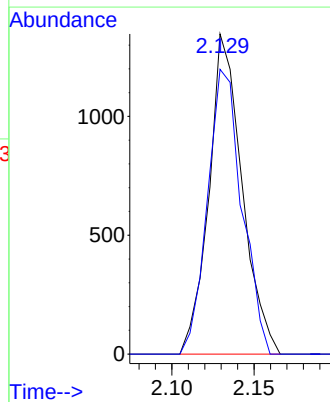
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

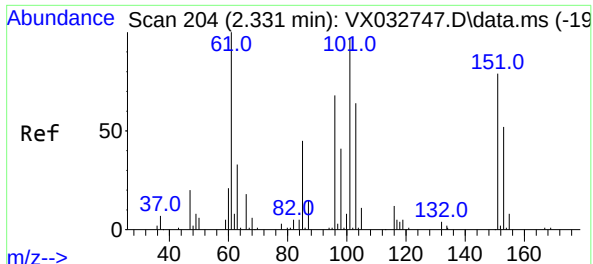
Tgt Ion:101 Resp: 5638  
Ion Ratio Lower Upper  
101 100  
103 56.7 51.7 77.5



#8  
Diethyl Ether  
Concen: 2.680 ug/l  
RT: 2.129 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 74 Resp: 1891  
Ion Ratio Lower Upper  
74 100  
45 91.9 14.2 127.8

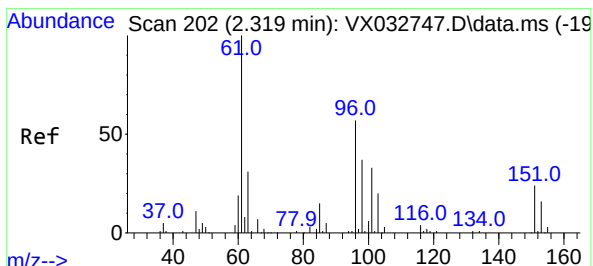
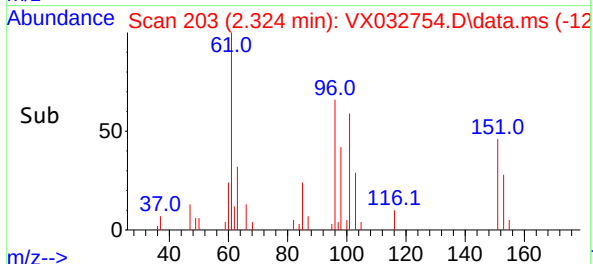
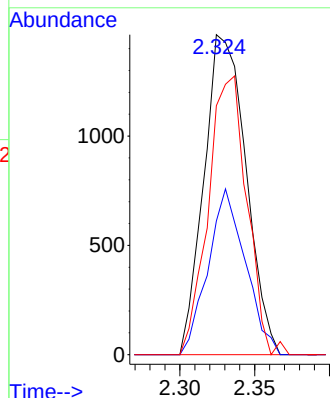
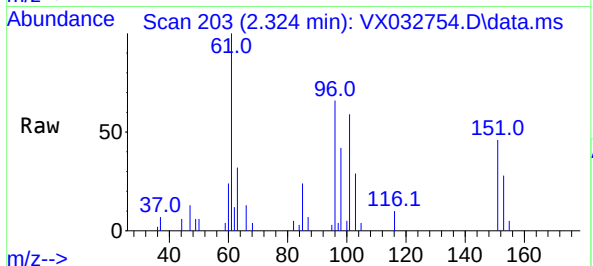




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.461 ug/l  
RT: 2.324 min Scan# 204  
Delta R.T. -0.006 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

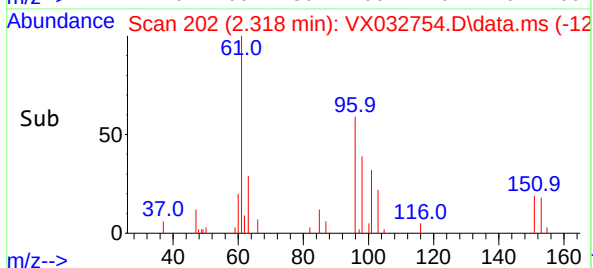
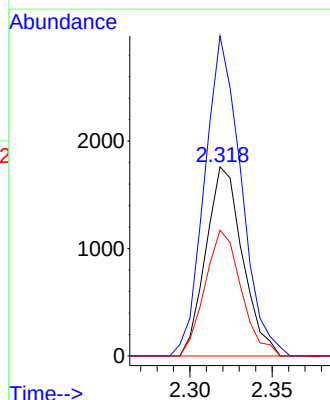
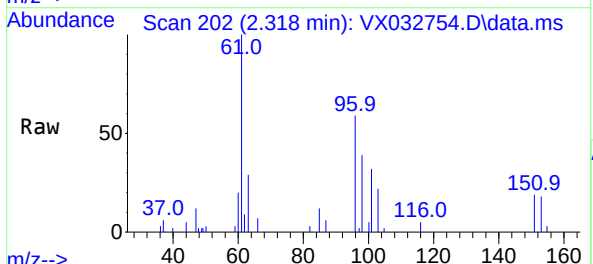
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

Tgt Ion:101 Resp: 2857  
Ion Ratio Lower Upper  
101 100  
85 46.1 0.0 88.8  
151 79.4 0.0 156.6

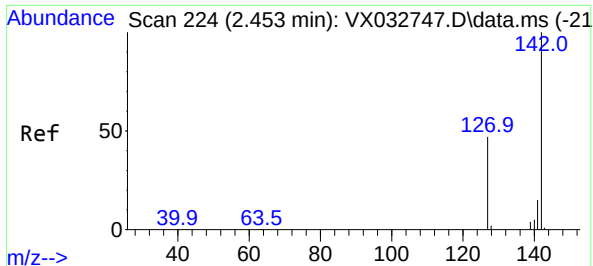


#10  
1,1-Dichloroethene  
Concen: 2.454 ug/l  
RT: 2.318 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 96 Resp: 2721  
Ion Ratio Lower Upper  
96 100  
61 164.4 115.8 173.6  
98 66.5 49.7 74.5







#11

Methyl Iodide

Concen: 1.725 ug/l

RT: 2.458 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Instrument :

MSVOA\_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2022

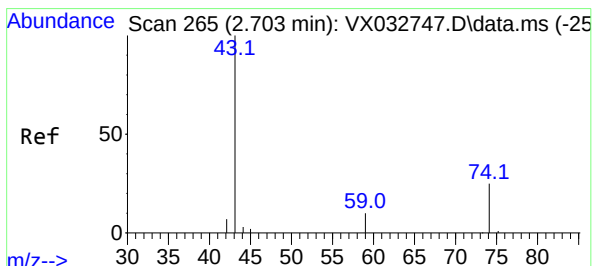
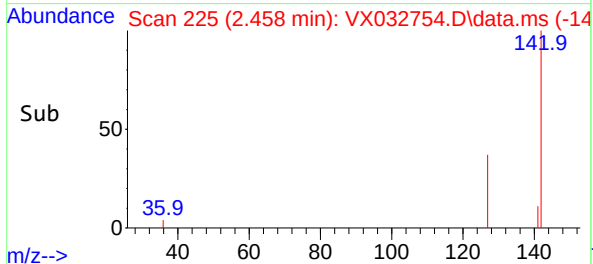
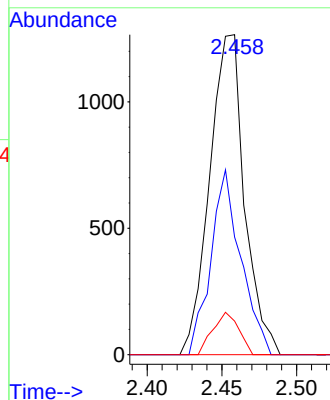
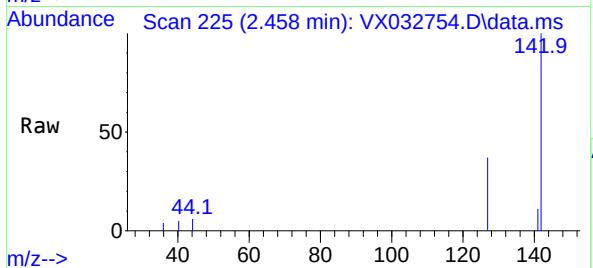
Tgt Ion:142 Resp: 2057

Ion Ratio Lower Upper

142 100

127 36.7 23.8 71.2

141 10.5 7.6 22.8



#12

Methyl Acetate

Concen: 2.543 ug/l

RT: 2.708 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX032754.D

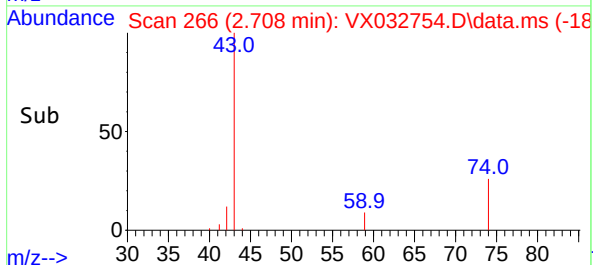
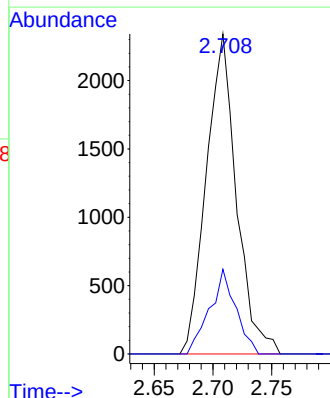
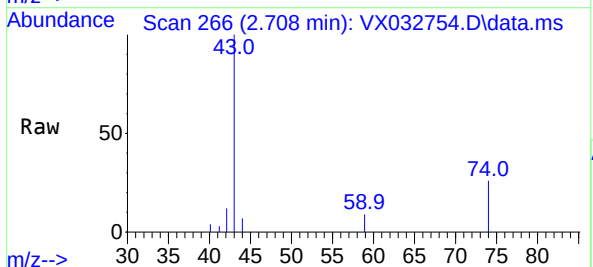
Acq: 11 Nov 2022 04:27

Tgt Ion: 43 Resp: 4177

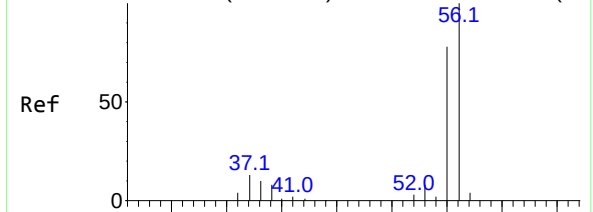
Ion Ratio Lower Upper

43 100

74 26.4 24.8 37.2

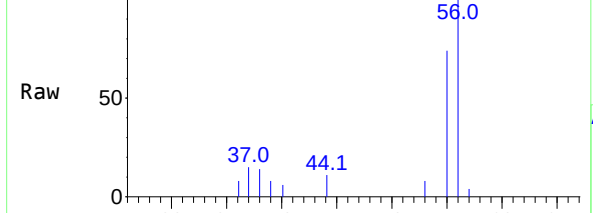


Abundance Scan 189 (2.239 min): VX032747.D\data.ms (-18



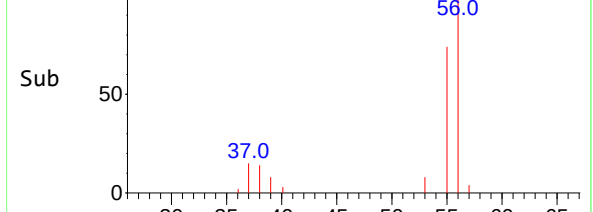
m/z-->

Abundance Scan 189 (2.239 min): VX032754.D\data.ms



m/z-->

Abundance Scan 189 (2.239 min): VX032754.D\data.ms (-10



m/z-->

#13

Acrolein

Concen: 12.851 ug/l

RT: 2.239 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Instrument :

MSVOA\_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2022

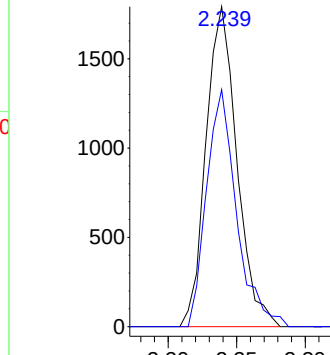
Tgt Ion: 56 Resp: 2815

Ion Ratio Lower Upper

56 100

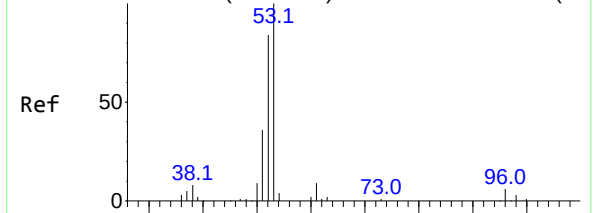
55 71.9 58.4 87.6

Abundance



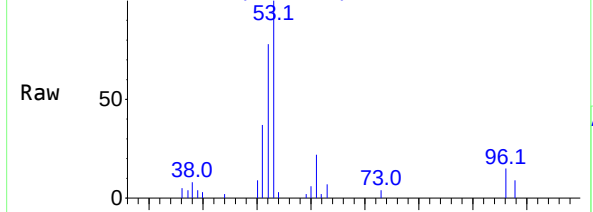
Time-->

Abundance Scan 325 (3.068 min): VX032747.D\data.ms (-31



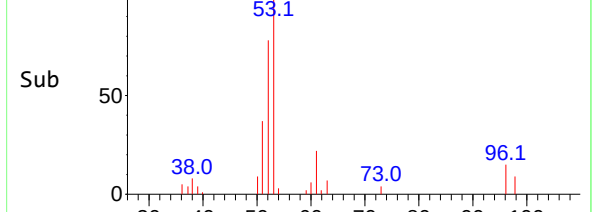
m/z-->

Abundance Scan 326 (3.074 min): VX032754.D\data.ms



m/z-->

Abundance Scan 326 (3.074 min): VX032754.D\data.ms (-24



m/z-->

#14

Acrylonitrile

Concen: 12.236 ug/l

RT: 3.074 min Scan# 326

Delta R.T. 0.006 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Tgt Ion: 53 Resp: 7205

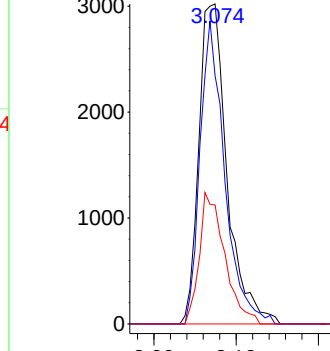
Ion Ratio Lower Upper

53 100

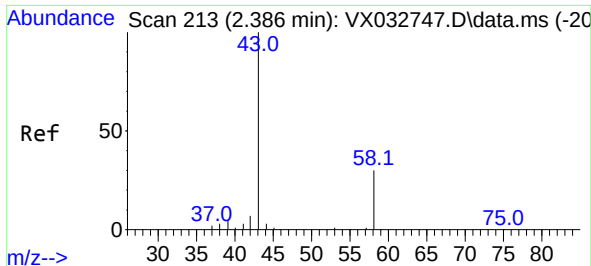
52 82.4 41.5 124.5

51 36.8 18.3 54.9

Abundance



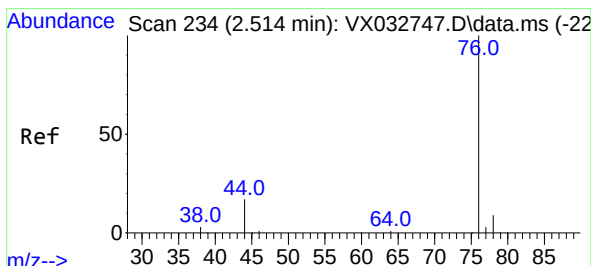
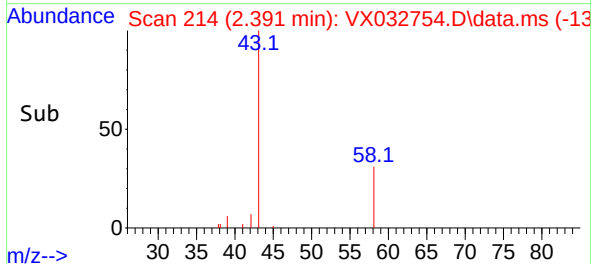
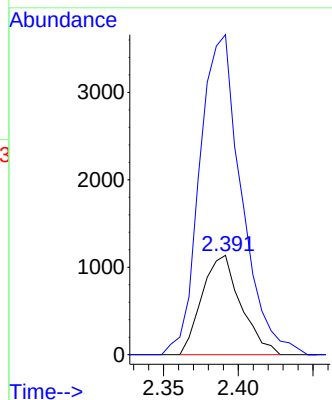
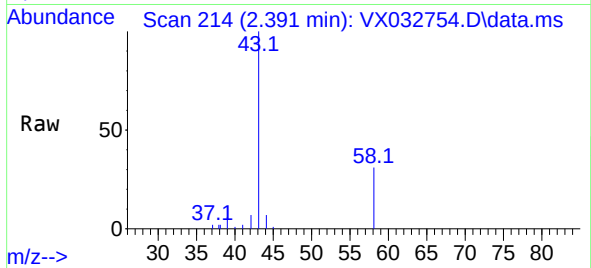
Time-->



#15  
Acetone  
Concen: 13.407 ug/l  
RT: 2.391 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

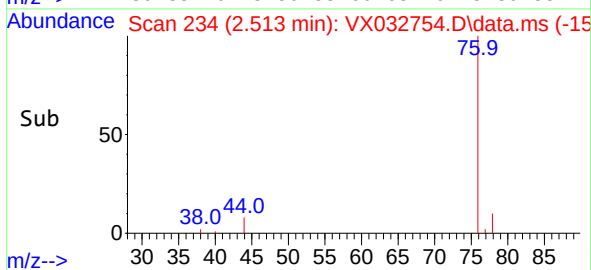
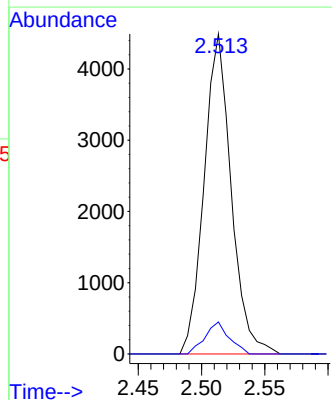
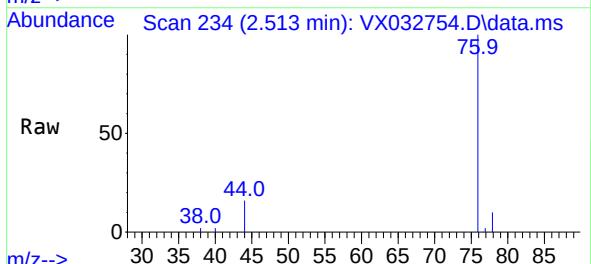
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

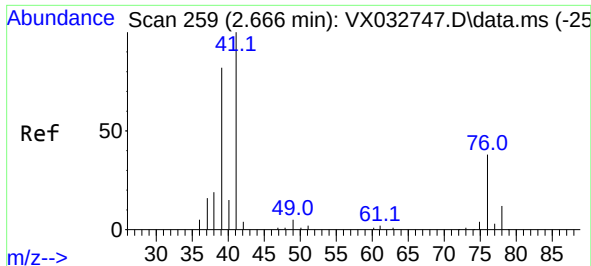
Tgt Ion: 58 Resp: 2053  
Ion Ratio Lower Upper  
58 100  
43 308.5 242.6 364.0



#16  
Carbon Disulfide  
Concen: 2.424 ug/l  
RT: 2.513 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 76 Resp: 6692  
Ion Ratio Lower Upper  
76 100  
78 10.0 7.5 11.3





#17

Allyl chloride

Concen: 2.329 ug/l

RT: 2.666 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Instrument :

MSVOA\_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2022

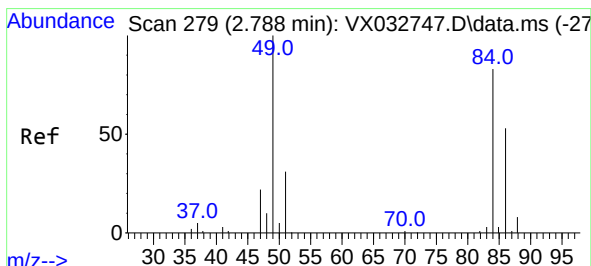
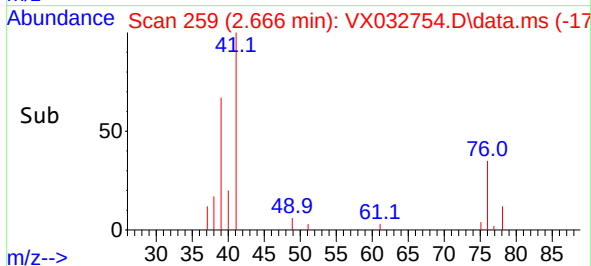
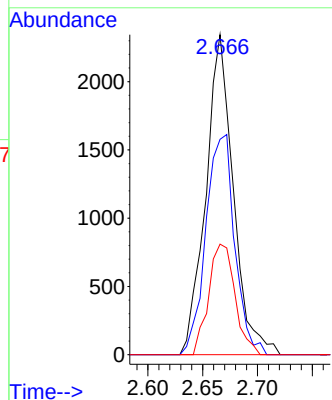
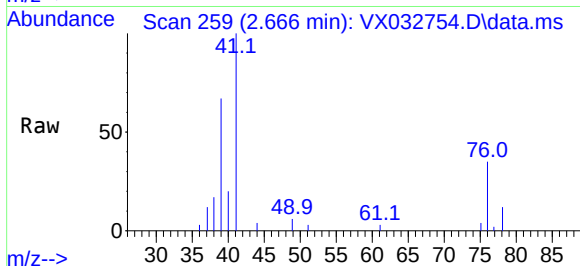
Tgt Ion: 41 Resp: 4104

Ion Ratio Lower Upper

41 100

39 67.3 37.0 111.0

76 34.6 23.8 71.5



#18

Methylene Chloride

Concen: 3.098 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Tgt Ion: 84 Resp: 3962

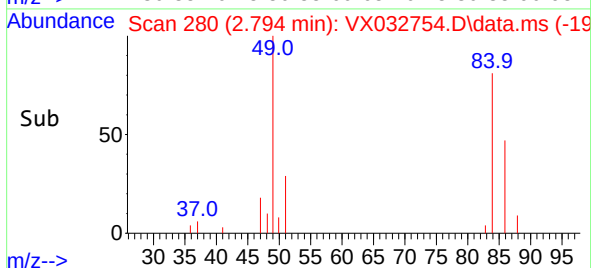
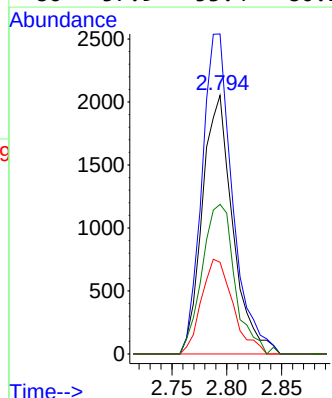
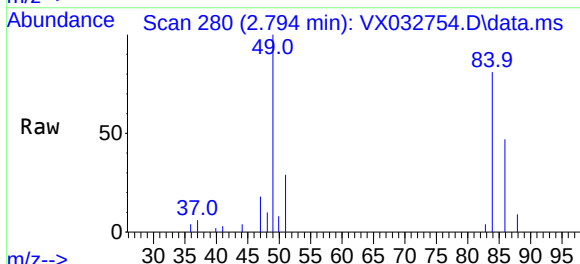
Ion Ratio Lower Upper

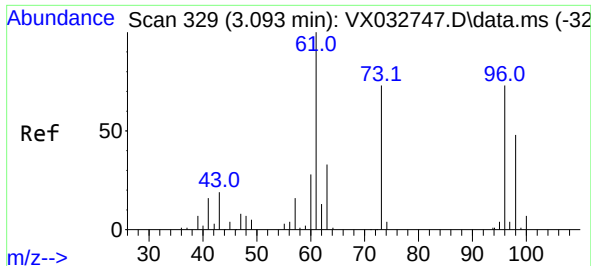
84 100

49 123.7 84.6 127.0

51 35.5 26.5 39.7

86 57.9 53.4 80.2

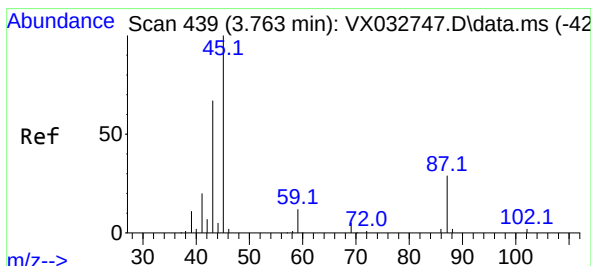
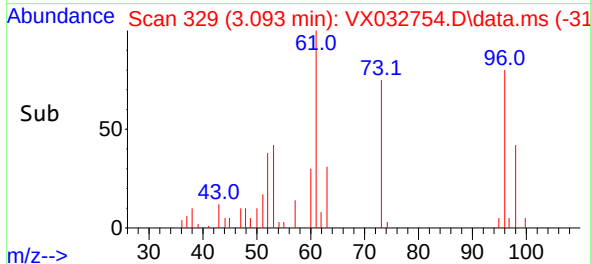
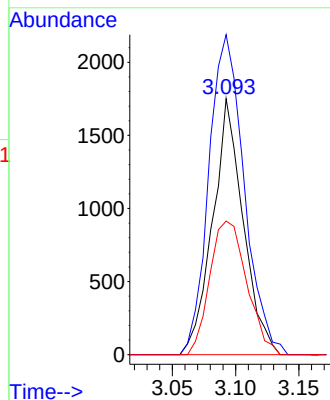
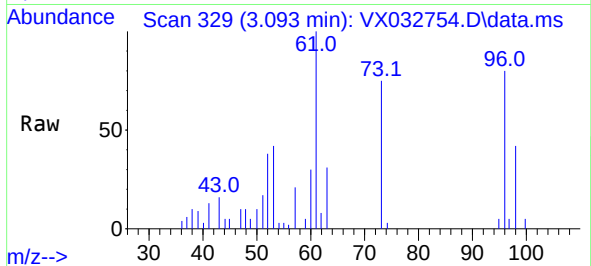




#19  
trans-1,2-Dichloroethene  
Concen: 2.409 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

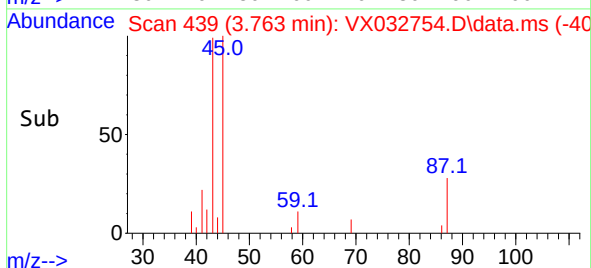
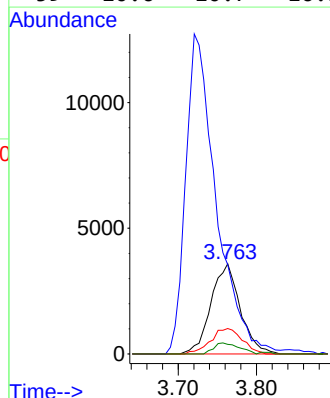
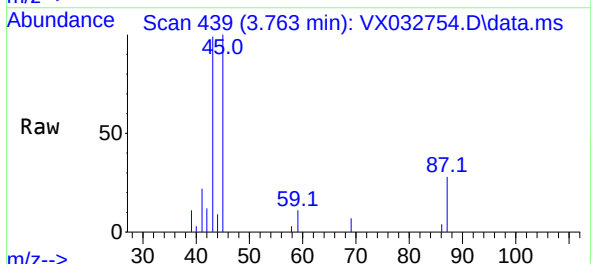
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

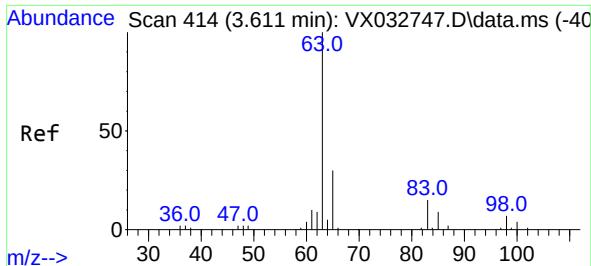
Tgt Ion: 96 Resp: 2943  
Ion Ratio Lower Upper  
96 100  
61 125.0 87.4 131.0  
98 52.2 51.5 77.3



#20  
Diisopropyl ether  
Concen: 2.357 ug/l  
RT: 3.763 min Scan# 439  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 45 Resp: 9313  
Ion Ratio Lower Upper  
45 100  
43 94.8 74.5 111.7  
87 28.3 30.4 45.6#  
59 10.6 10.7 16.1#

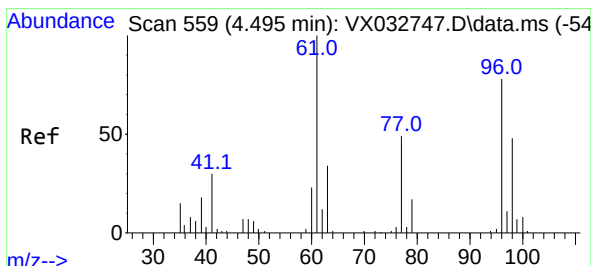
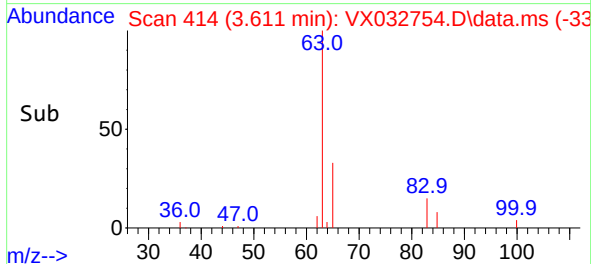
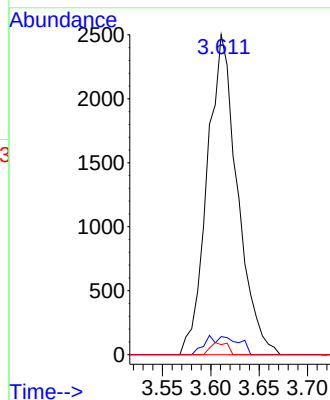
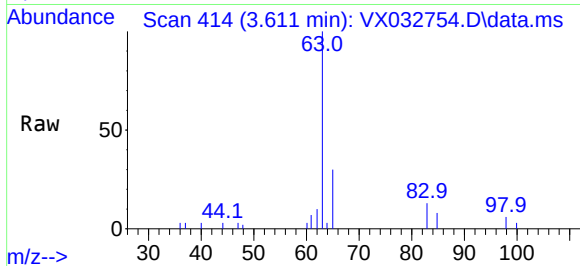




#21  
1,1-Dichloroethane  
Concen: 2.457 ug/l  
RT: 3.611 min Scan# 414  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

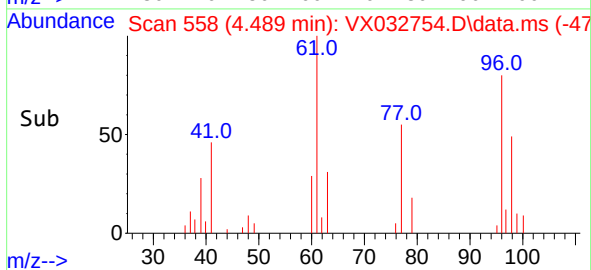
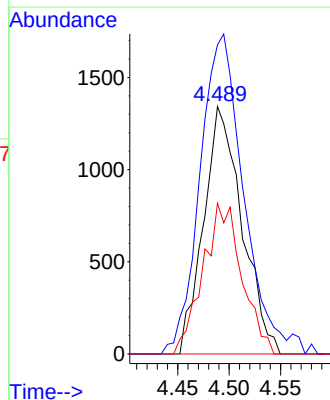
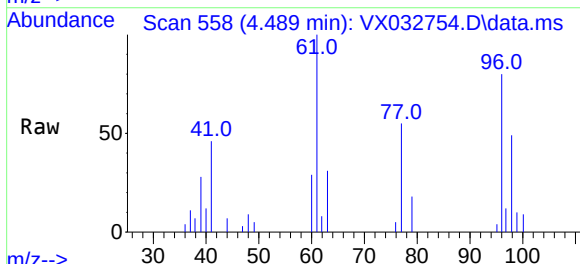
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

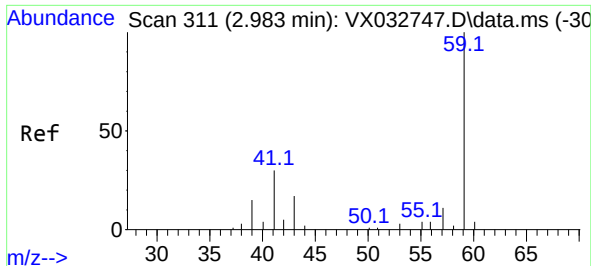
|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 5449  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 98 5.6      | 4.5 13.7    |
| 100 3.2     | 2.8 8.3     |



#22  
cis-1,2-Dichloroethene  
Concen: 2.446 ug/l  
RT: 4.489 min Scan# 558  
Delta R.T. -0.006 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 3489  |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 145.2    | 98.0 147.0  |
| 98 61.6     | 52.2 78.4   |

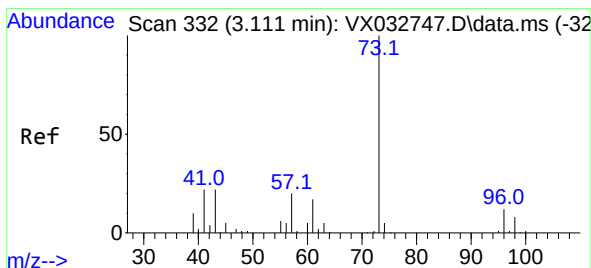
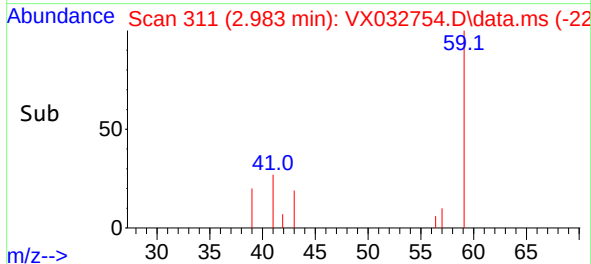
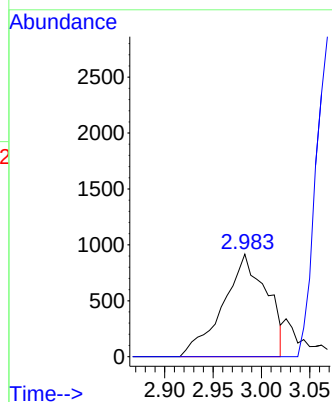
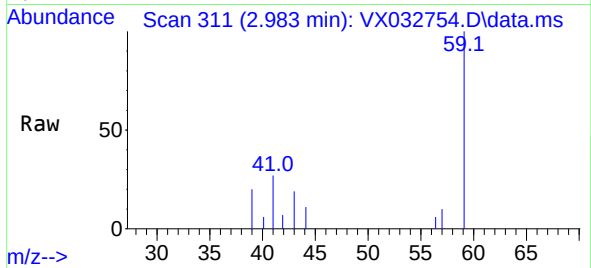




#23  
tert-Butyl Alcohol  
Concen: 15.026 ug/l  
RT: 2.983 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

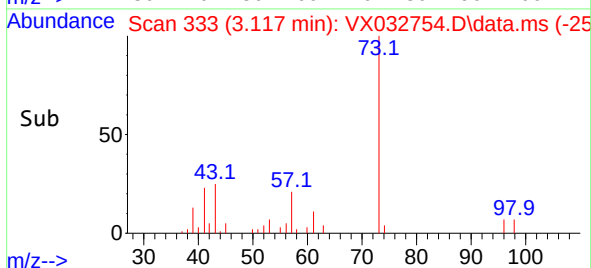
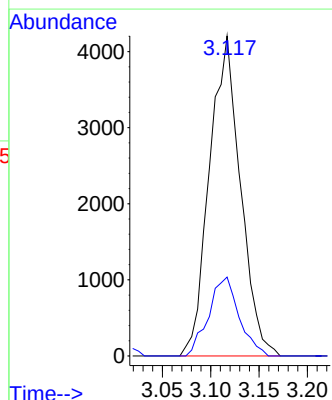
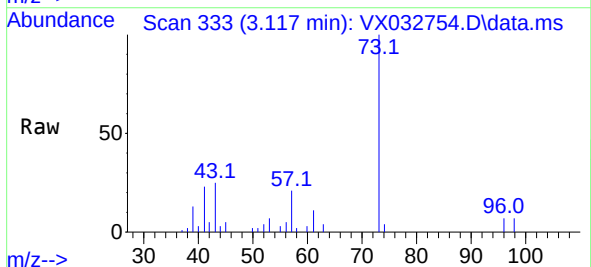
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

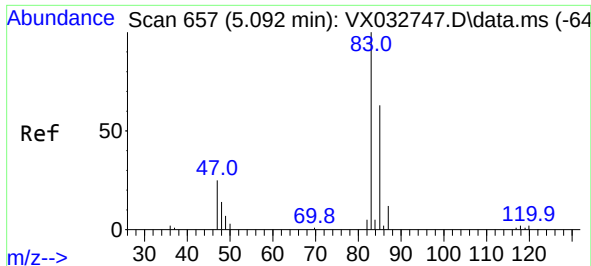
Tgt Ion: 59 Resp: 2873  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 2.368 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. 0.006 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 73 Resp: 9401  
Ion Ratio Lower Upper  
73 100  
43 24.1 14.8 22.2#

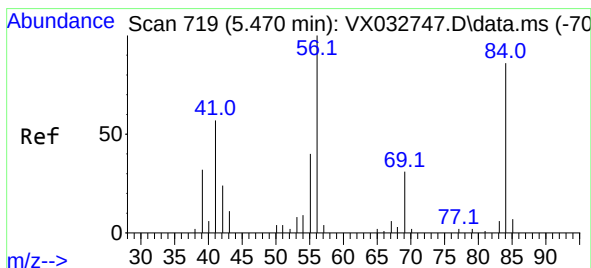
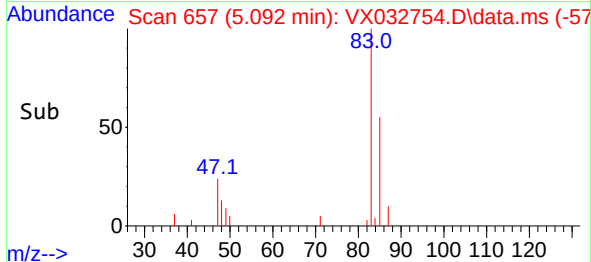
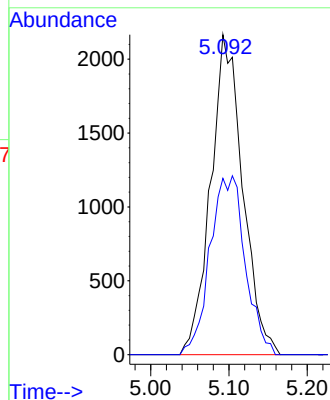
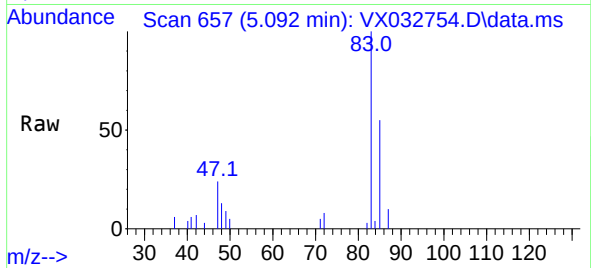




#25  
Chloroform  
Concen: 2.493 ug/l  
RT: 5.092 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

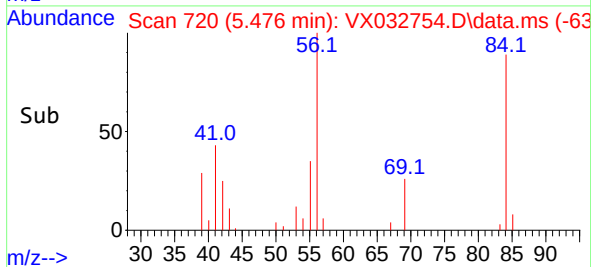
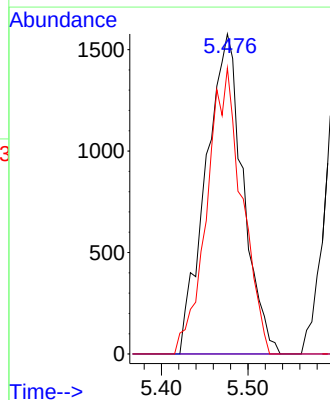
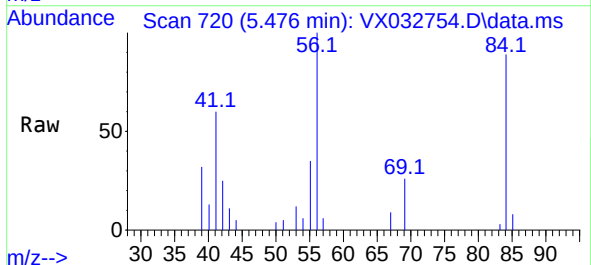
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

Tgt Ion: 83 Resp: 6166  
Ion Ratio Lower Upper  
83 100  
85 55.1 51.4 77.0

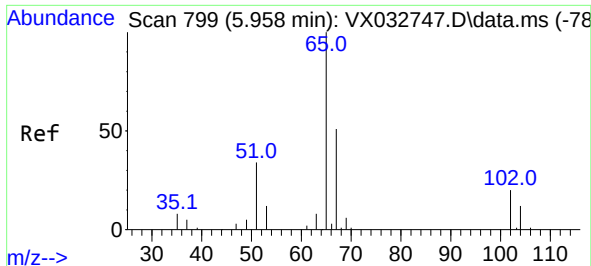


#26  
Cyclohexane  
Concen: 2.436 ug/l  
RT: 5.476 min Scan# 720  
Delta R.T. 0.006 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 56 Resp: 4719  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 83.8 86.6 130.0#



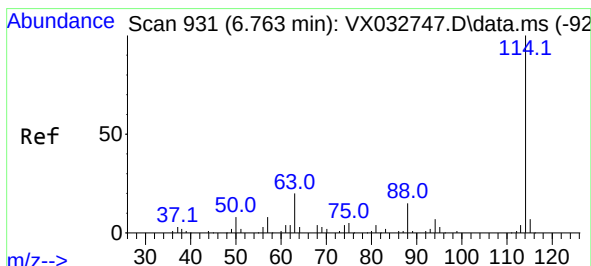
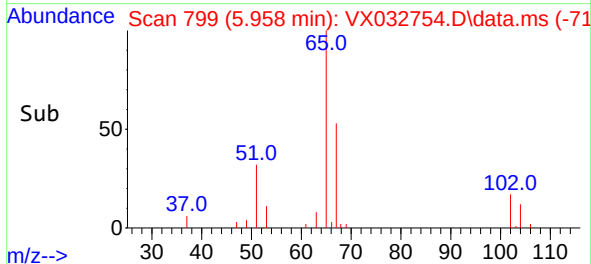
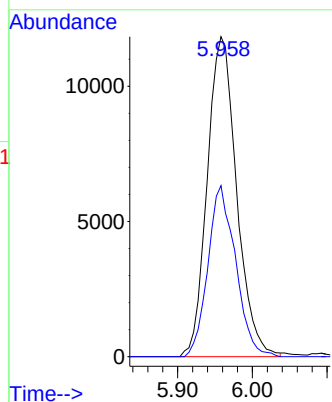
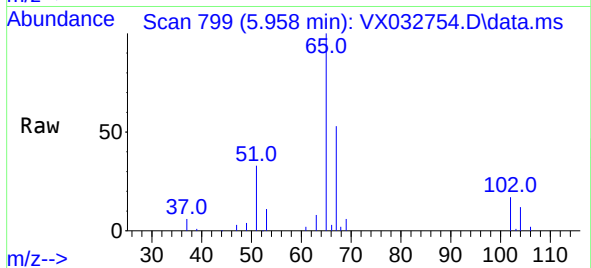




#27  
1,2-Dichloroethane-d4  
Concen: 29.451 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

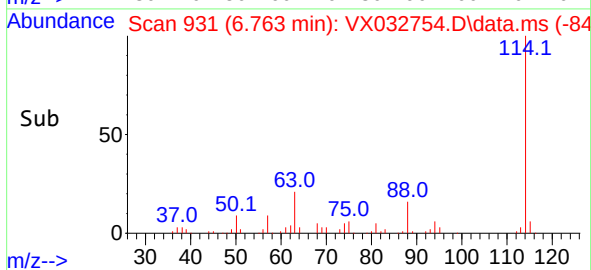
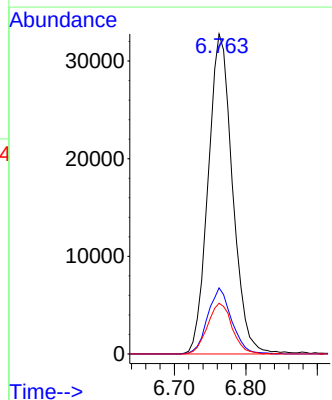
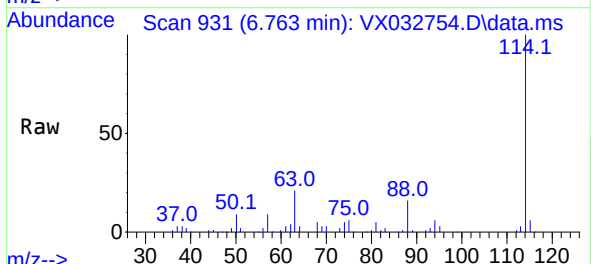
Instrument : MSVOA\_X  
ClientSampleId : LOD-MDL-WATER-01-QT4-2022

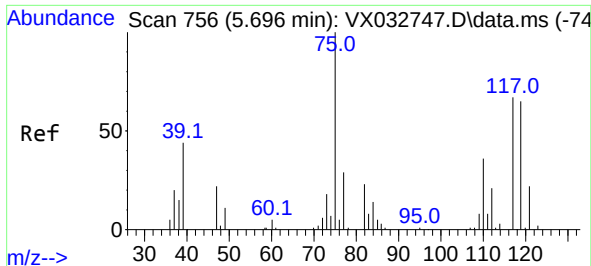
Tgt Ion: 65 Resp: 32387  
Ion Ratio Lower Upper  
65 100  
67 50.3 41.8 62.6



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 114 Resp: 77479  
Ion Ratio Lower Upper  
114 100  
63 20.3 13.6 20.4  
88 16.0 11.8 17.6

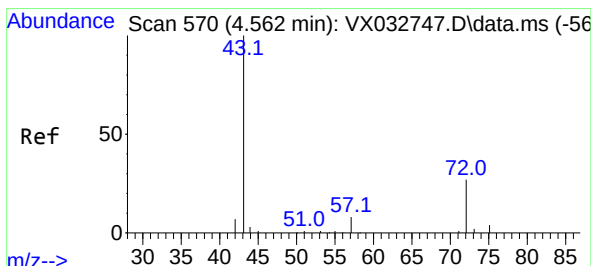
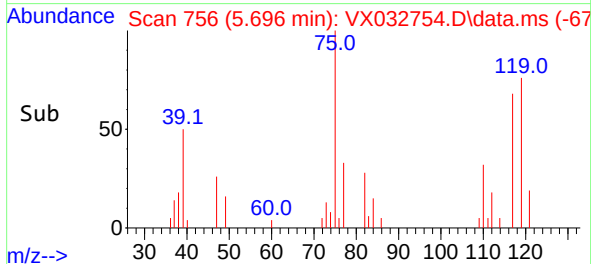
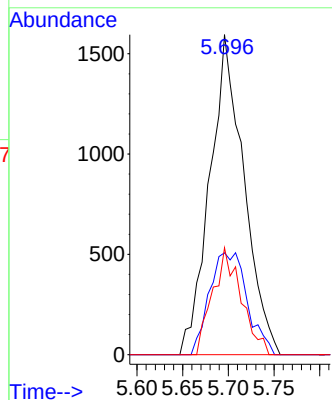
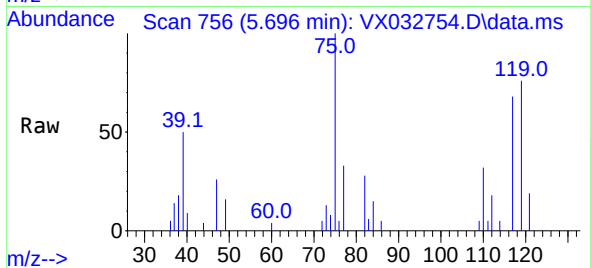




#29  
1,1-Dichloropropene  
Concen: 2.413 ug/l  
RT: 5.696 min Scan# 756  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

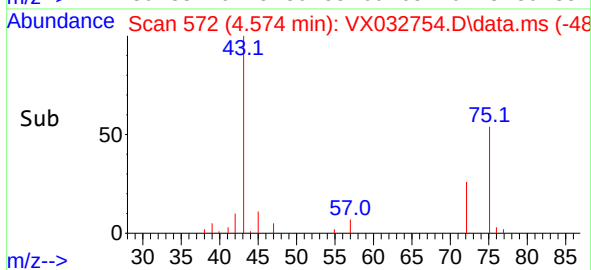
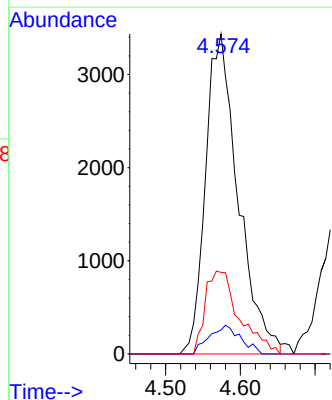
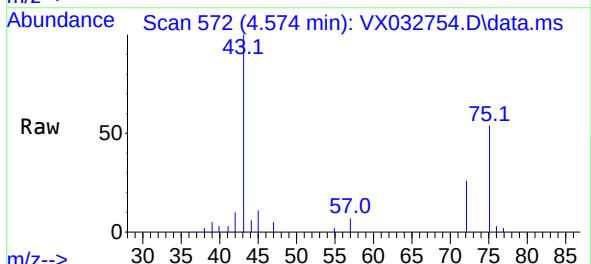
Instrument : MSVOA\_X  
ClientSampleId : LOD-MDL-WATER-01-QT4-2022

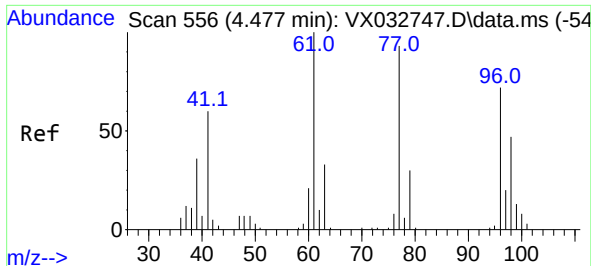
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4147  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 20.7  | 0.0   | 80.4  |
| 77       | 27.3  | 0.0   | 62.0  |



#30  
2-Butanone  
Concen: 12.969 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.012 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 10391 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 57       | 8.6   | 7.5   | 11.3  |
| 72       | 27.0  | 26.6  | 39.8  |





#31

2,2-Dichloropropane

Concen: 2.223 ug/l

RT: 4.476 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Instrument :

MSVOA\_X

ClientSampleId :

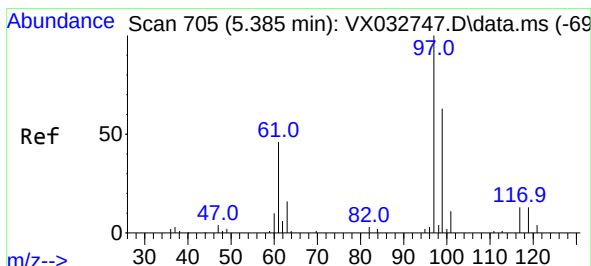
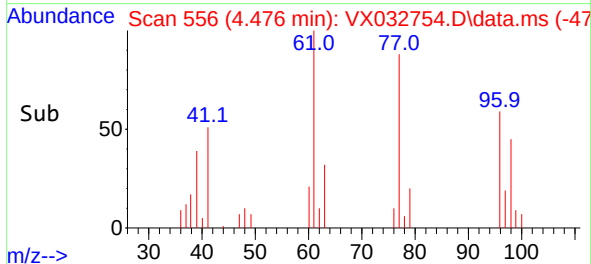
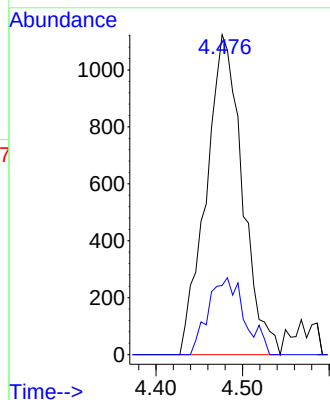
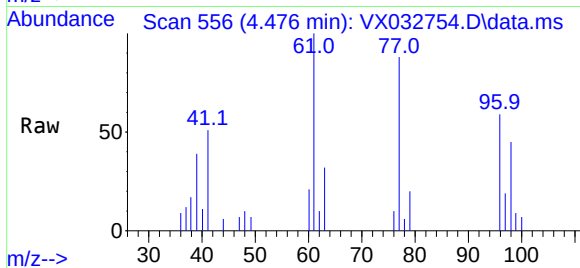
LOD-MDL-WATER-01-QT4-2022

Tgt Ion: 77 Resp: 3267

Ion Ratio Lower Upper

77 100

97 22.1 20.0 30.0



#32

1,1,1-Trichloroethane

Concen: 2.405 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

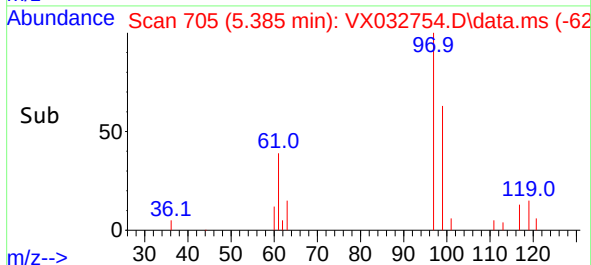
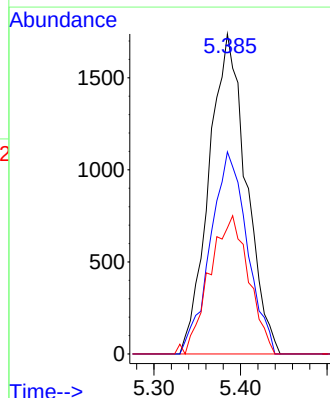
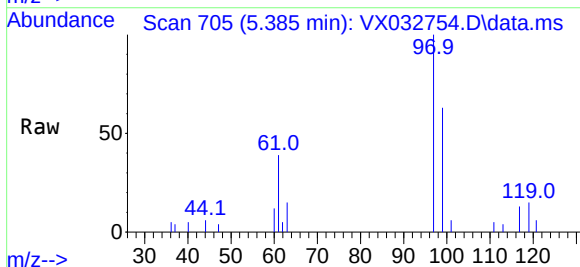
Tgt Ion: 97 Resp: 5199

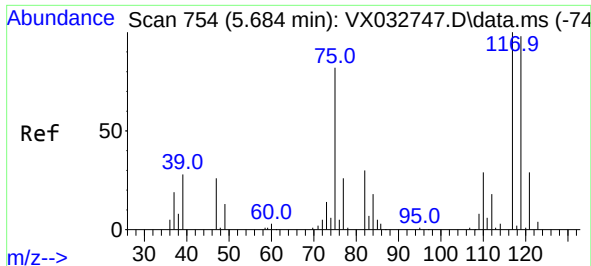
Ion Ratio Lower Upper

97 100

99 62.3 53.8 80.6

61 45.0 31.3 46.9

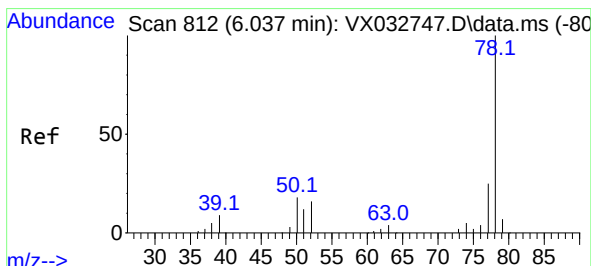
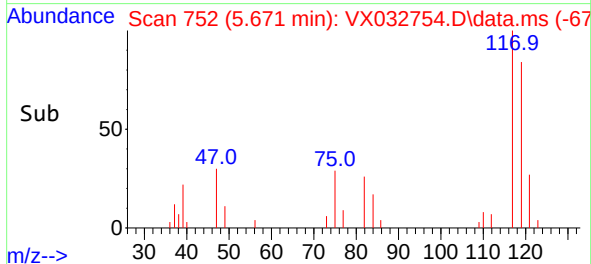
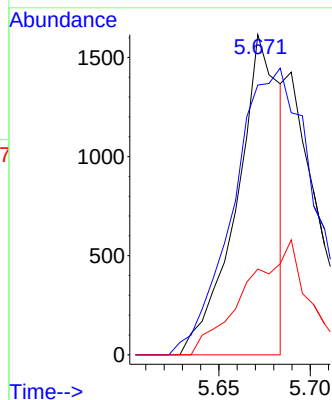
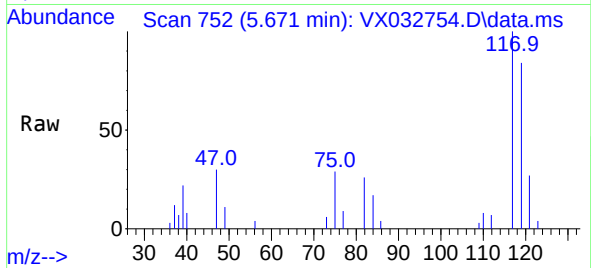




#33  
Carbon Tetrachloride  
Concen: 1.405 ug/l  
RT: 5.671 min Scan# 71  
Delta R.T. -0.013 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

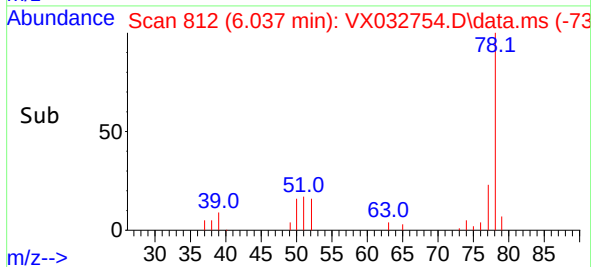
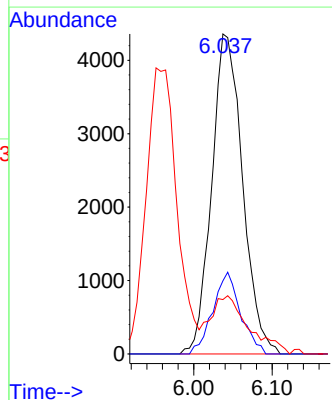
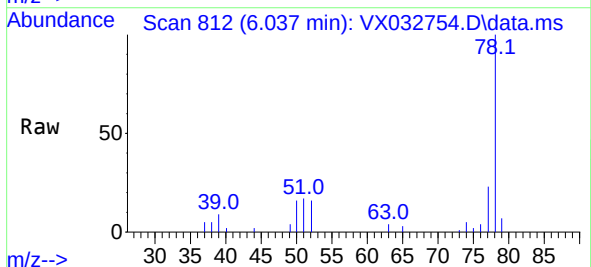
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

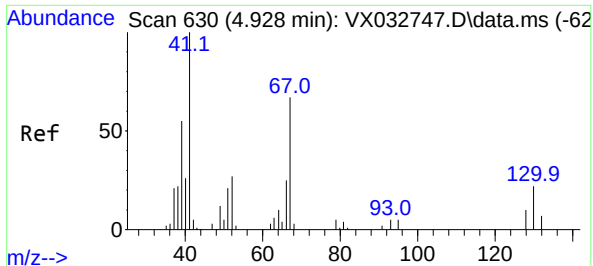
Tgt Ion:117 Resp: 2667  
Ion Ratio Lower Upper  
117 100  
119 80.4 75.4 113.2  
121 26.7 24.4 36.6



#34  
Benzene  
Concen: 2.467 ug/l  
RT: 6.037 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 78 Resp: 11942  
Ion Ratio Lower Upper  
78 100  
77 22.9 19.0 28.6  
51 14.1 10.6 15.8



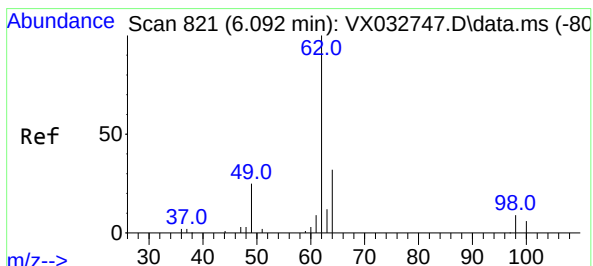
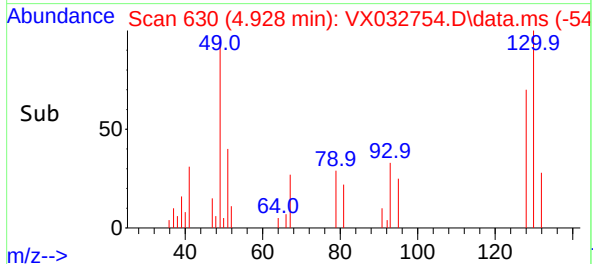
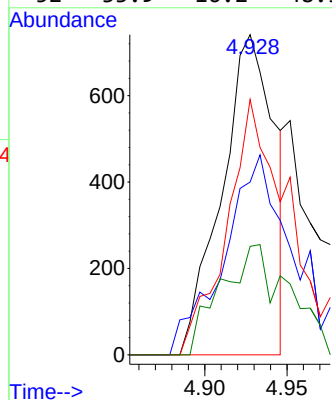
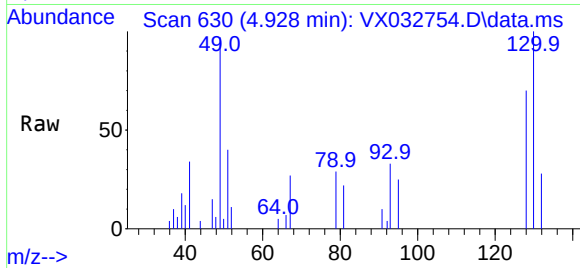


#35  
Methacrylonitrile  
Concen: 1.818 ug/l  
RT: 4.928 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

Tgt Ion: 41 Resp: 1650

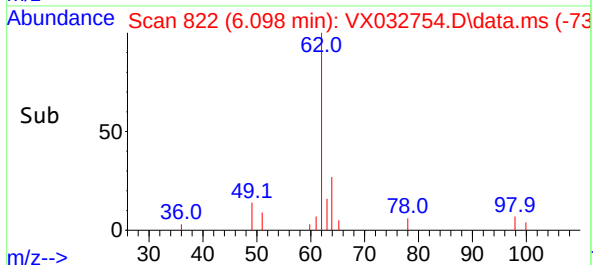
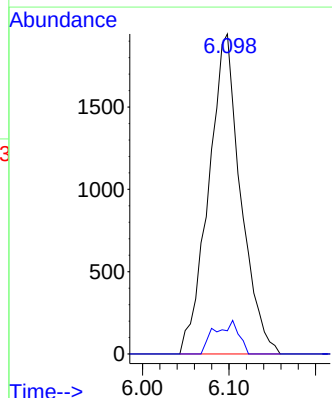
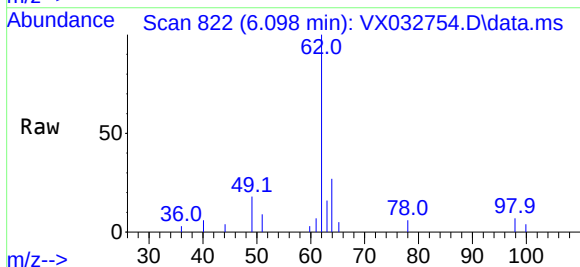
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 43.0  | 26.9  | 80.7  |
| 67  | 79.8  | 40.6  | 121.8 |
| 52  | 33.9  | 16.2  | 48.5  |

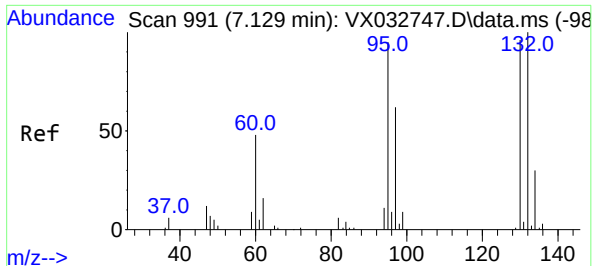


#36  
1,2-Dichloroethane  
Concen: 2.511 ug/l  
RT: 6.098 min Scan# 822  
Delta R.T. 0.006 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 62 Resp: 5004

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 3.0   | 8.8   | 13.2# |





#37

Trichloroethene

Concen: 2.585 ug/l

RT: 7.128 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Instrument :

MSVOA\_X

ClientSampleId :

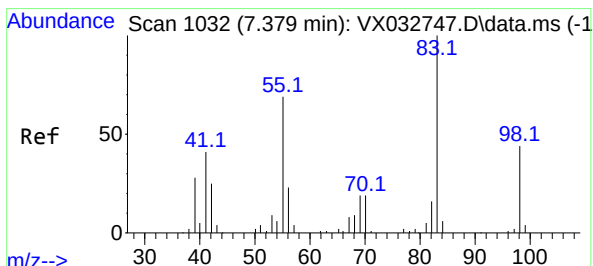
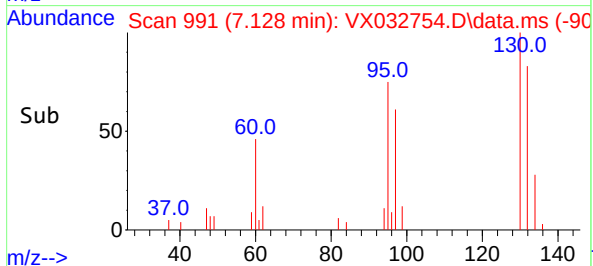
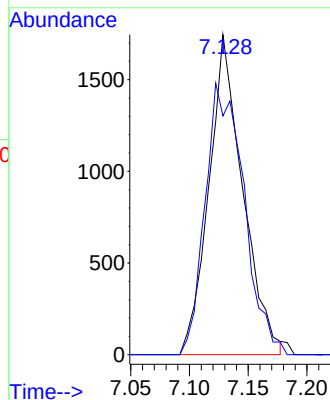
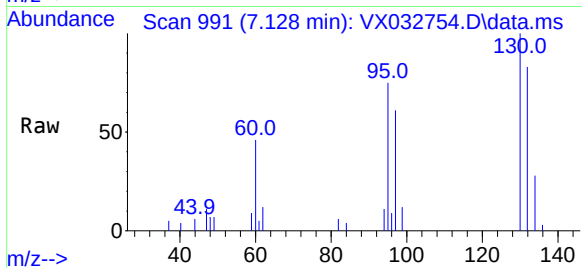
LOD-MDL-WATER-01-QT4-2022

Tgt Ion:130 Resp: 3501

Ion Ratio Lower Upper

130 100

95 74.6 72.4 108.6



#38

Methylcyclohexane

Concen: 2.421 ug/l

RT: 7.384 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

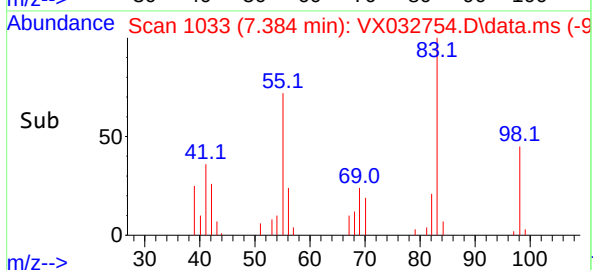
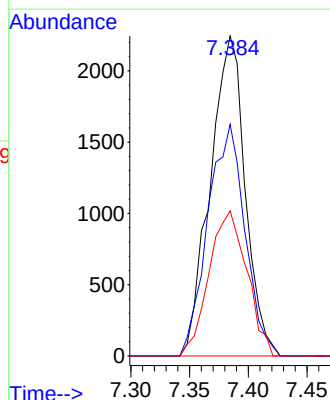
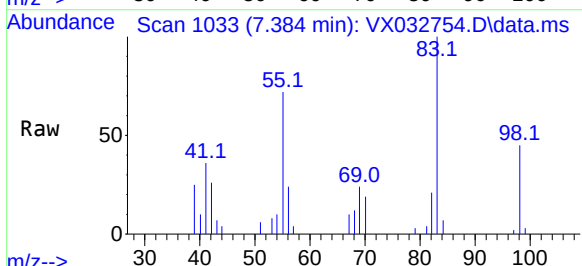
Tgt Ion: 83 Resp: 4661

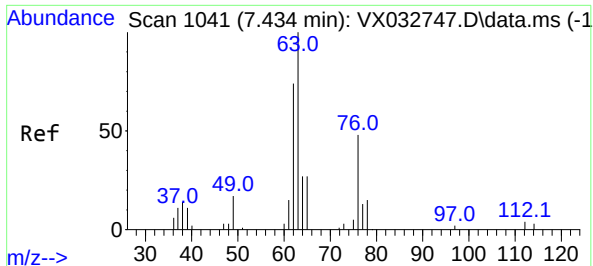
Ion Ratio Lower Upper

83 100

55 76.6 31.6 94.7

98 49.0 26.9 80.6





#39

1,2-Dichloropropane

Concen: 2.433 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Instrument :

MSVOA\_X

ClientSampleId :

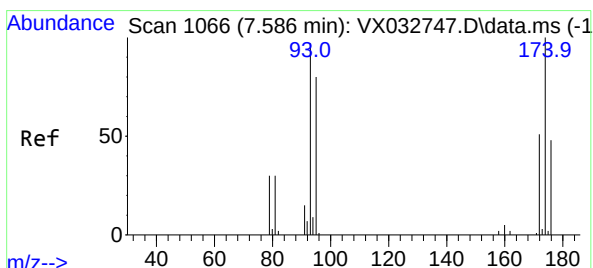
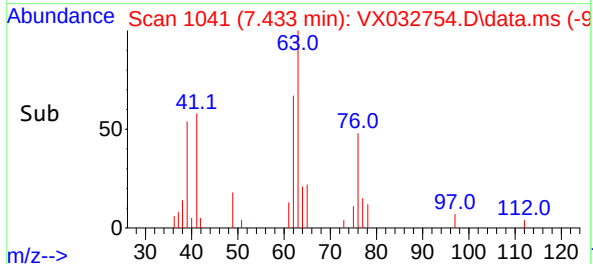
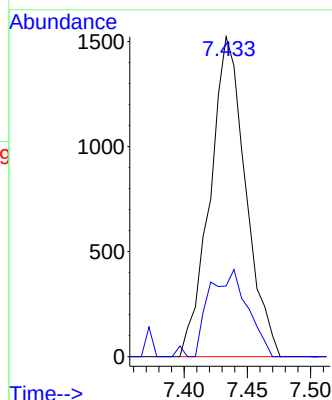
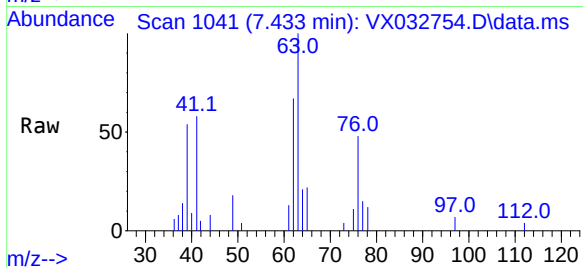
LOD-MDL-WATER-01-QT4-2022

Tgt Ion: 63 Resp: 2982

Ion Ratio Lower Upper

63 100

65 22.1 26.5 39.7#



#40

Dibromomethane

Concen: 2.397 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

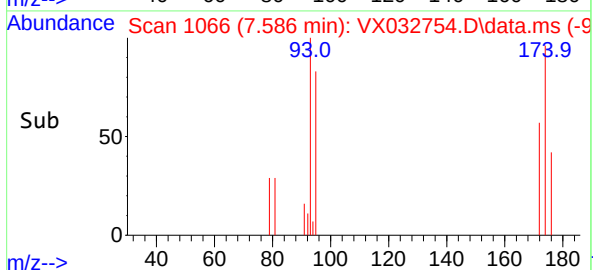
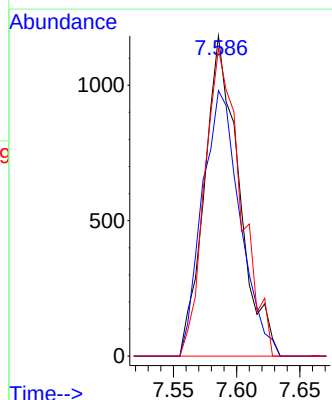
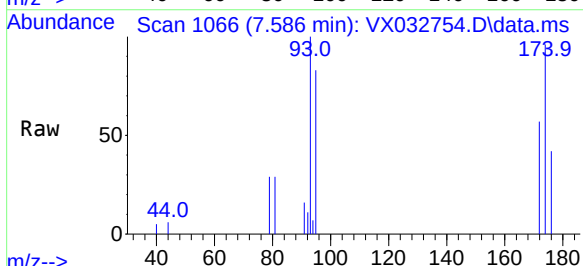
Tgt Ion: 93 Resp: 2243

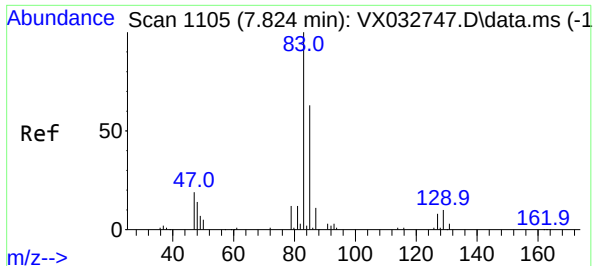
Ion Ratio Lower Upper

93 100

95 90.9 0.0 165.0

174 100.5 0.0 205.2

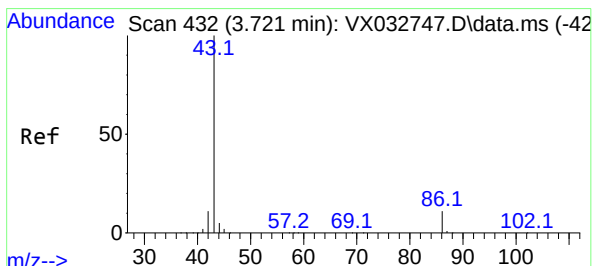
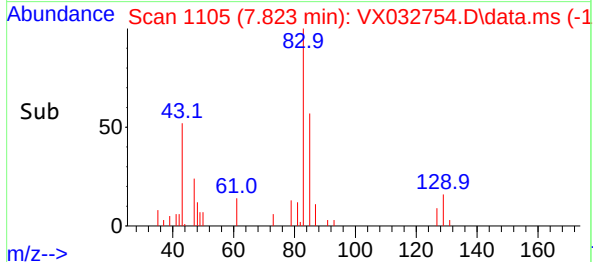
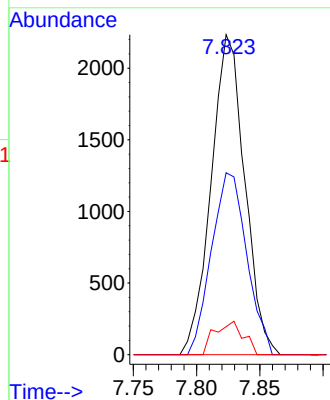
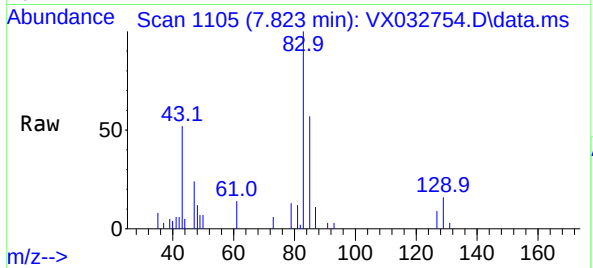




#41  
Bromodichloromethane  
Concen: 2.313 ug/l  
RT: 7.823 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

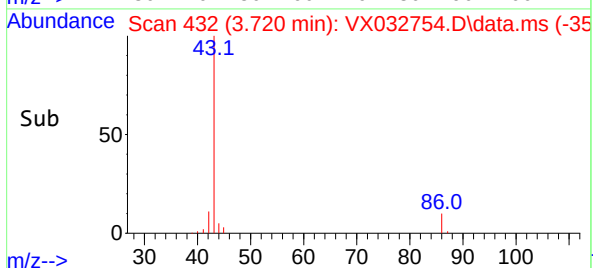
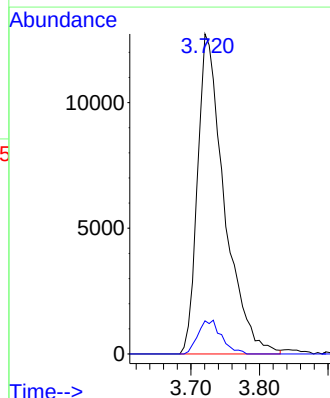
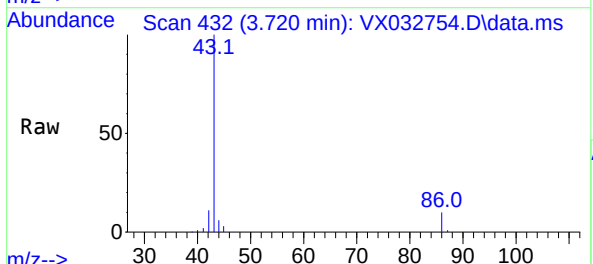
Instrument : MSVOA\_X  
ClientSampleId : LOD-MDL-WATER-01-QT4-2022

|             |            |       |      |
|-------------|------------|-------|------|
| Tgt Ion: 83 | Resp: 4126 |       |      |
| Ion Ratio   | Lower      | Upper |      |
| 83          | 100        |       |      |
| 85          | 56.8       | 52.3  | 78.5 |
| 127         | 8.7        | 6.8   | 10.2 |

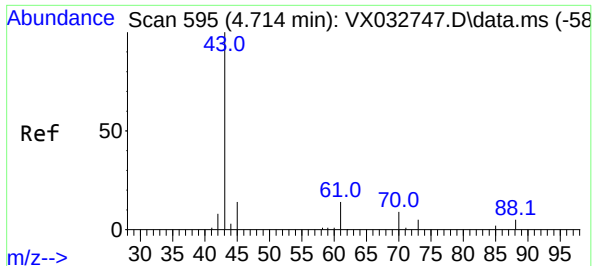


#42  
Vinyl Acetate  
Concen: 11.233 ug/l  
RT: 3.720 min Scan# 432  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

|             |             |       |   |
|-------------|-------------|-------|---|
| Tgt Ion: 43 | Resp: 34583 |       |   |
| Ion Ratio   | Lower       | Upper |   |
| 43 100      |             |       |   |
| 86 9.2      | 10.3        | 15.5  | # |







#43

Ethyl Acetate

Concen: 6.447 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.141 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Instrument :

MSVOA\_X

ClientSampleId :

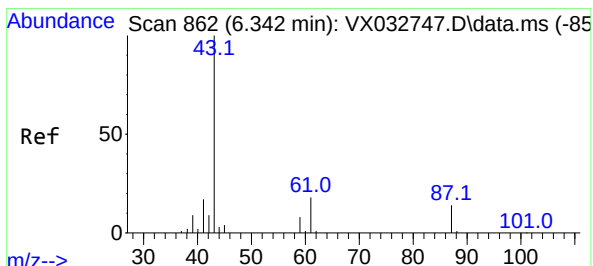
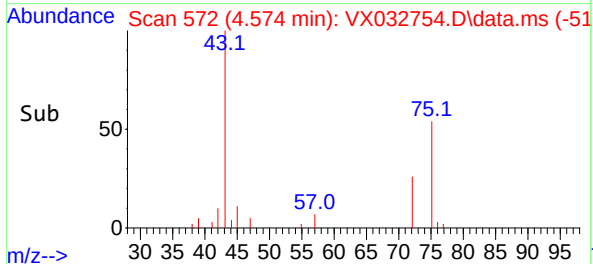
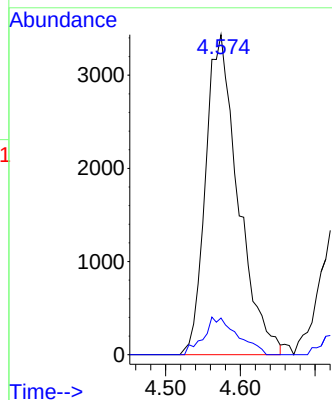
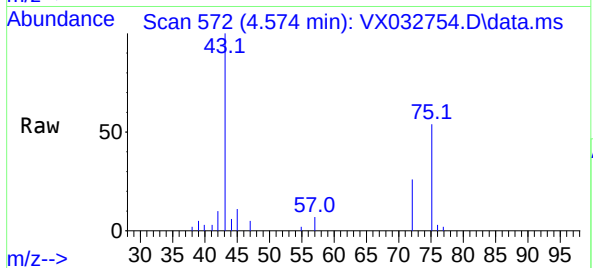
LOD-MDL-WATER-01-QT4-2022

Tgt Ion: 43 Resp: 10391

Ion Ratio Lower Upper

43 100

45 12.2 8.2 12.2



#44

Isopropyl Acetate

Concen: 2.231 ug/l

RT: 6.348 min Scan# 863

Delta R.T. 0.006 min

Lab File: VX032754.D

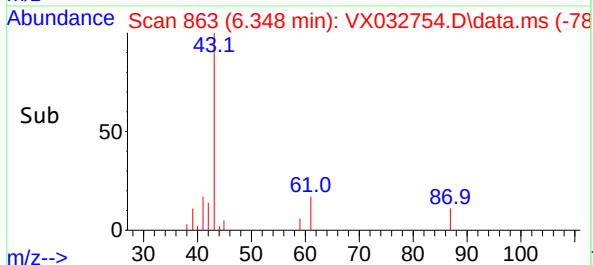
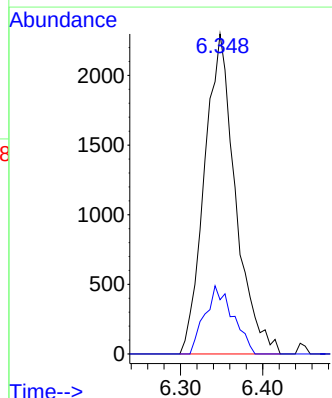
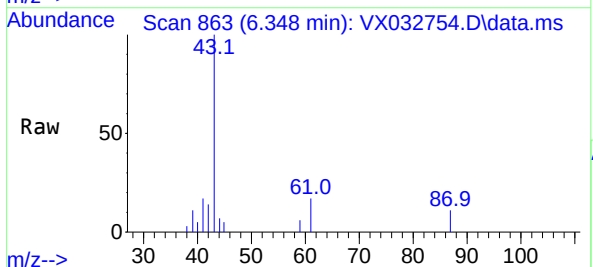
Acq: 11 Nov 2022 04:27

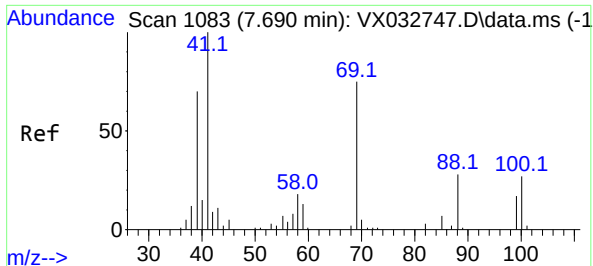
Tgt Ion: 43 Resp: 6027

Ion Ratio Lower Upper

43 100

61 19.2 17.2 25.8

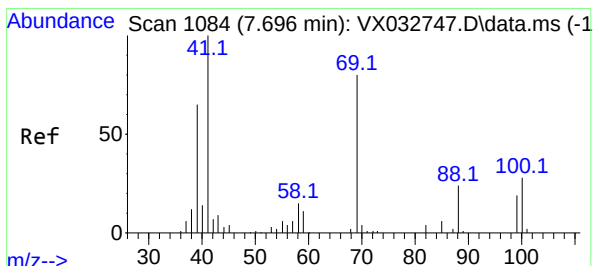
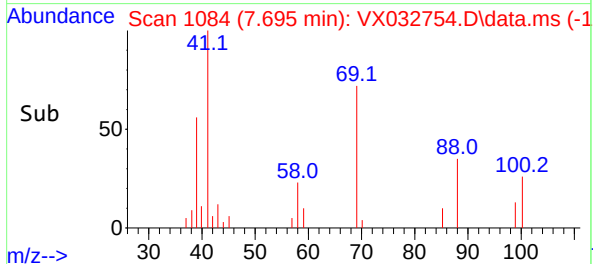
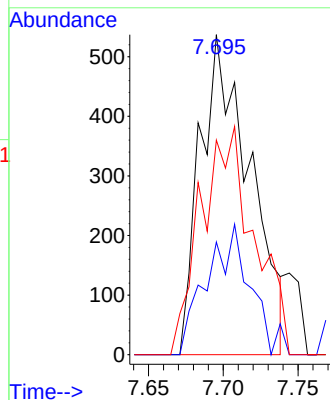
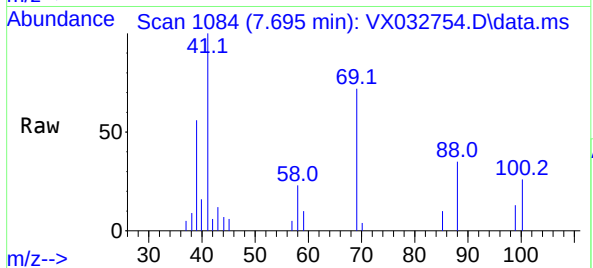




#45  
1,4-Dioxane  
Concen: 47.872 ug/l  
RT: 7.695 min Scan# 1084  
Delta R.T. 0.006 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

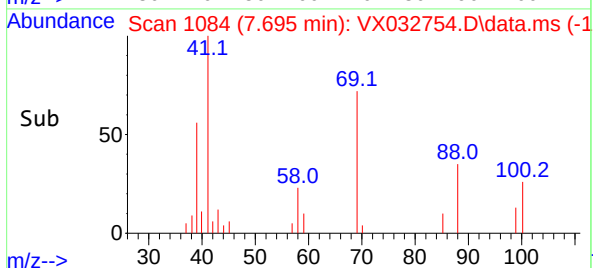
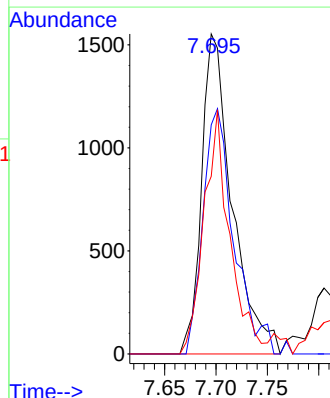
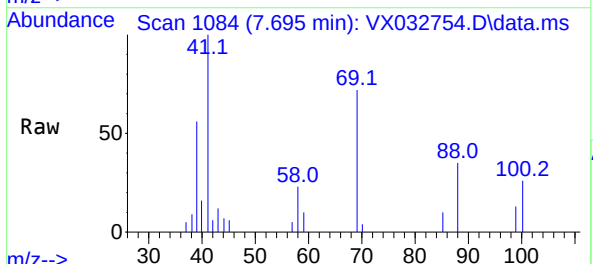
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

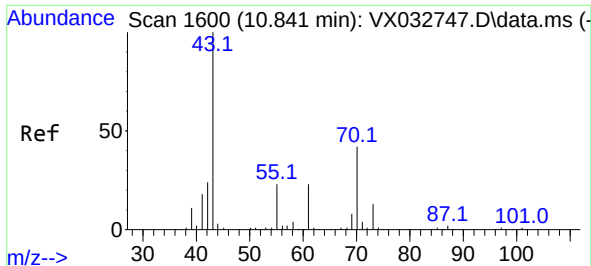
Tgt Ion: 88 Resp: 1242  
Ion Ratio Lower Upper  
88 100  
43 34.2 20.4 30.6#  
58 67.4 44.0 66.0#



#46  
Methyl methacrylate  
Concen: 2.353 ug/l  
RT: 7.695 min Scan# 1084  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 41 Resp: 3199  
Ion Ratio Lower Upper  
41 100  
69 71.6 50.5 151.5  
39 55.5 34.6 103.8

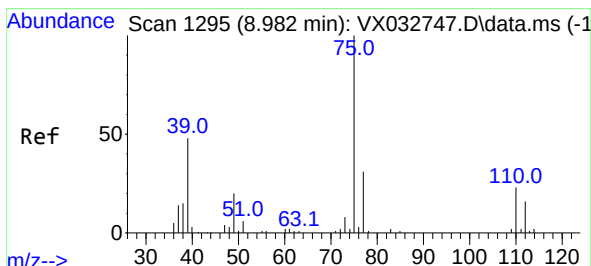
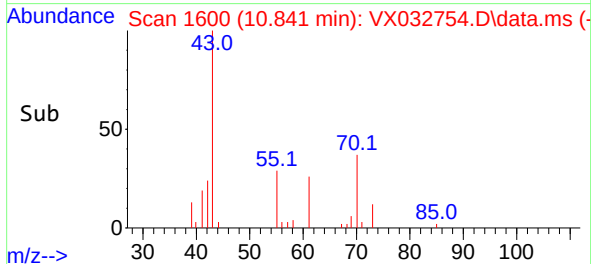
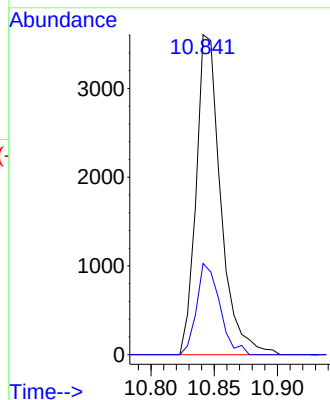
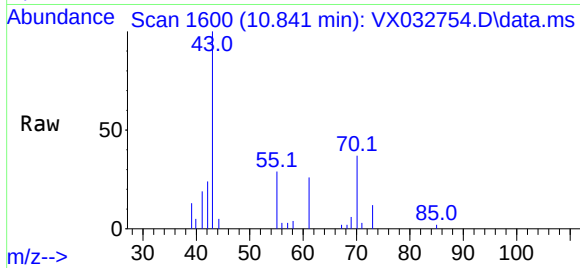




#47  
n-amyl acetate  
Concen: 2.032 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

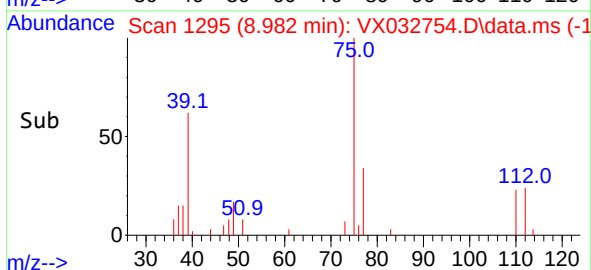
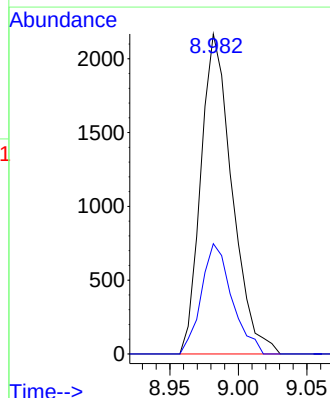
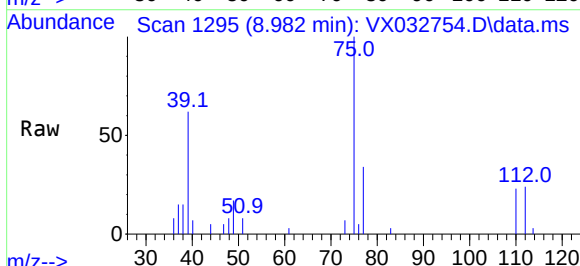
Instrument : MSVOA\_X  
ClientSampleId : LOD-MDL-WATER-01-QT4-2022

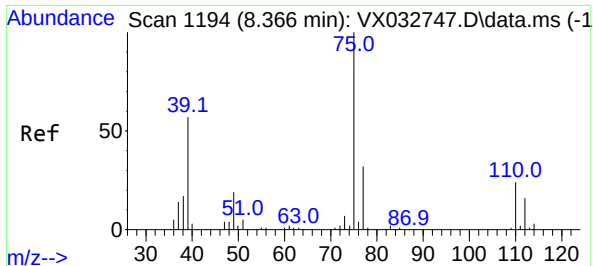
Tgt Ion: 43 Resp: 4880  
Ion Ratio Lower Upper  
43 100  
55 26.8 21.6 32.4



#48  
t-1,3-Dichloropropene  
Concen: 1.875 ug/l  
RT: 8.982 min Scan# 1295  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 75 Resp: 3431  
Ion Ratio Lower Upper  
75 100  
77 34.5 25.4 38.0

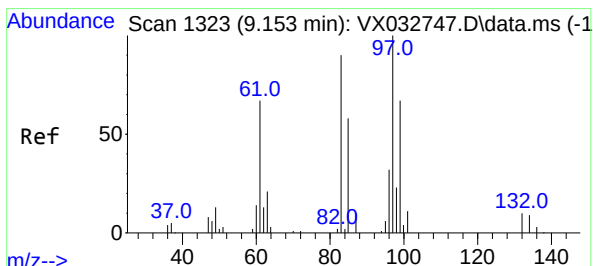
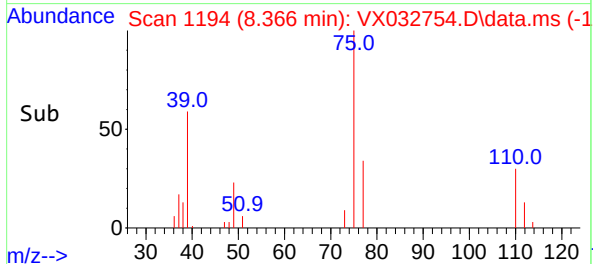
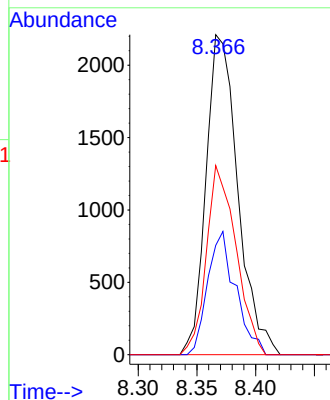
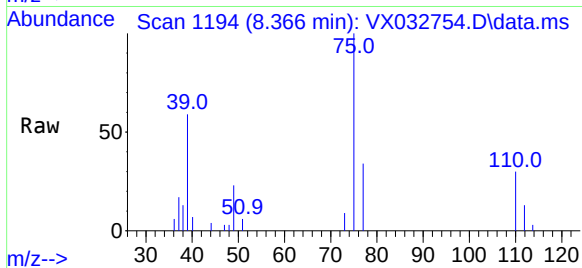




#49  
cis-1,3-Dichloropropene  
Concen: 2.159 ug/l  
RT: 8.366 min Scan# 1194  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

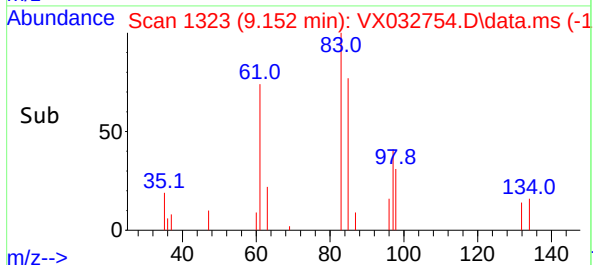
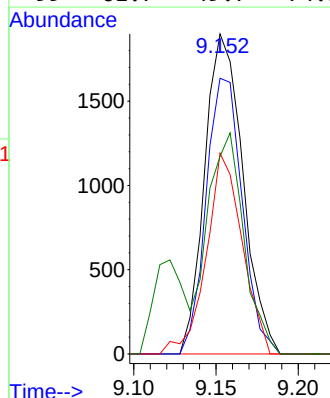
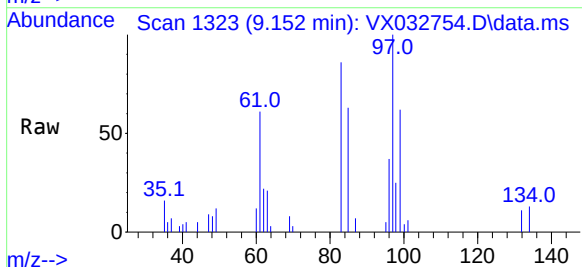
Instrument : MSVOA\_X  
ClientSampleId : LOD-MDL-WATER-01-QT4-2022

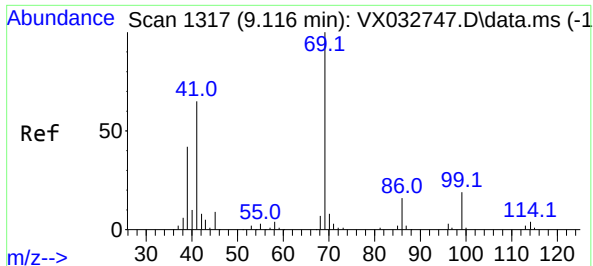
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4171  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 34.1  | 25.7  | 38.5  |
| 39       | 59.1  | 34.1  | 51.1# |



#50  
1,1,2-Trichloroethane  
Concen: 2.385 ug/l  
RT: 9.152 min Scan# 1323  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 3068  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.2  | 62.2  | 93.4  |
| 85       | 62.8  | 44.2  | 66.2  |
| 99       | 61.7  | 49.7  | 74.5  |

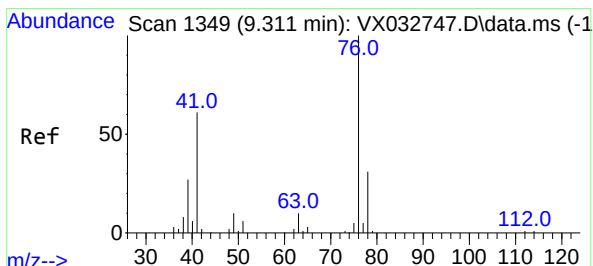
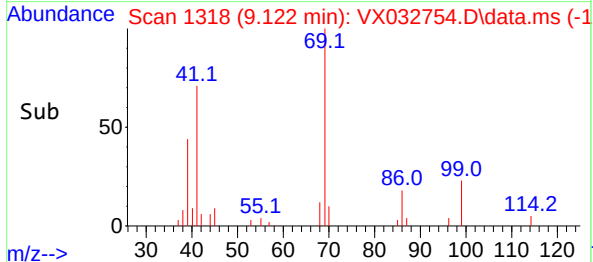
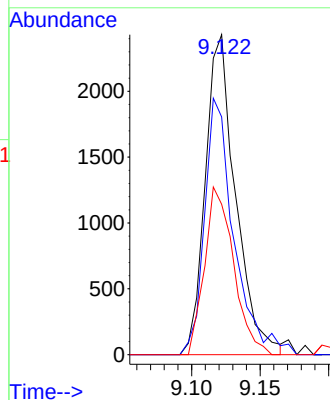
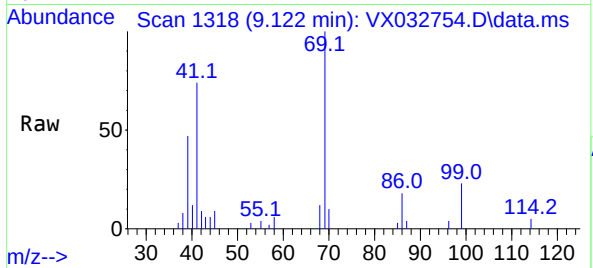




#51  
Ethyl methacrylate  
Concen: 1.942 ug/l  
RT: 9.122 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

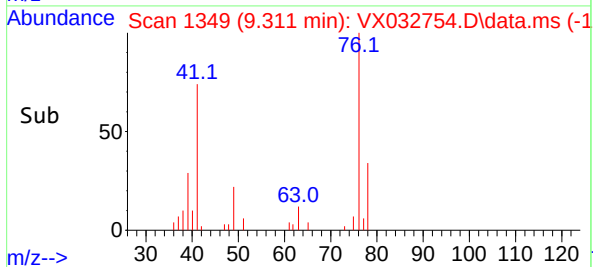
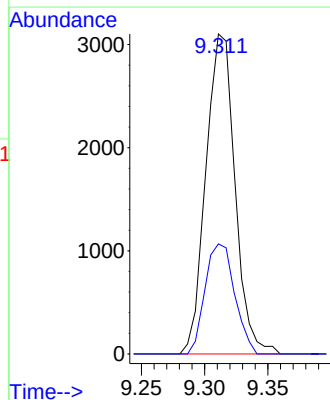
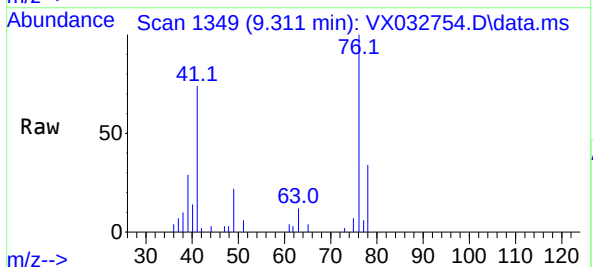
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

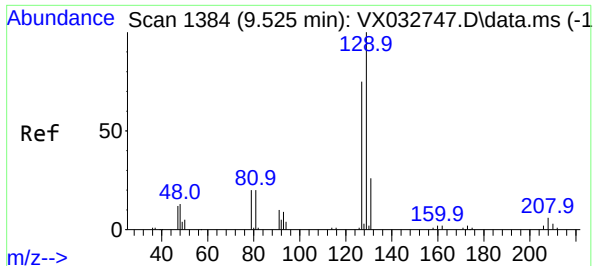
Tgt Ion: 69 Resp: 3732  
Ion Ratio Lower Upper  
69 100  
41 74.3 25.9 77.7  
39 47.0 17.8 53.3



#52  
1,3-Dichloropropane  
Concen: 2.365 ug/l  
RT: 9.311 min Scan# 1349  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 76 Resp: 4975  
Ion Ratio Lower Upper  
76 100  
78 34.8 0.0 66.0

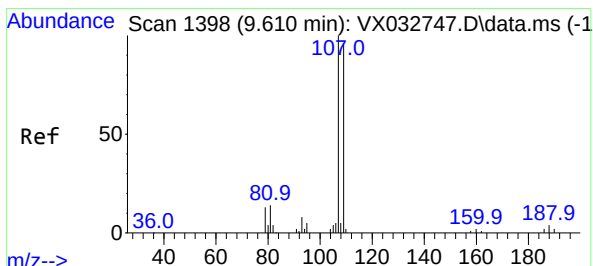
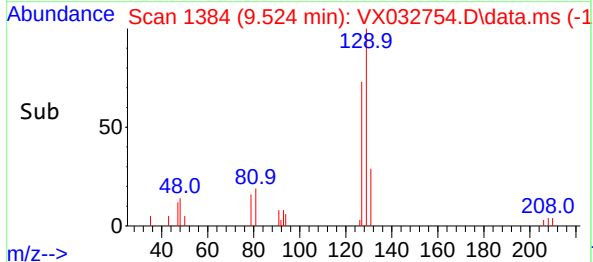
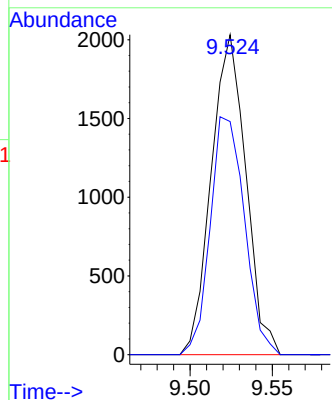
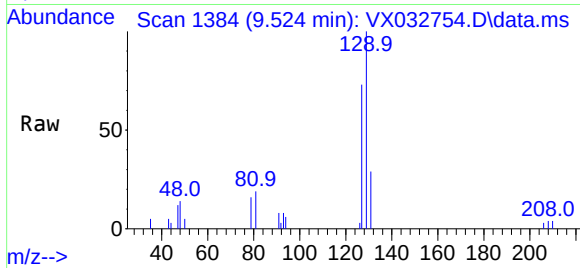




#53  
Dibromochloromethane  
Concen: 2.124 ug/l  
RT: 9.524 min Scan# 1384  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

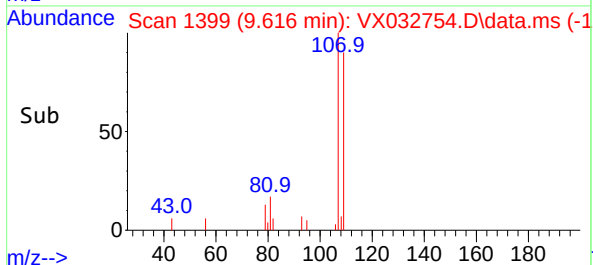
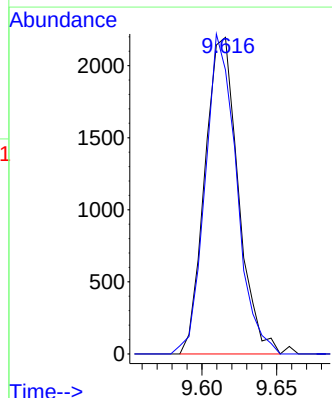
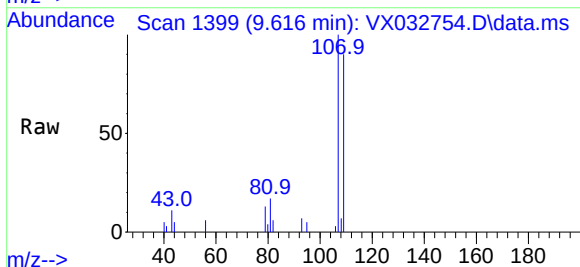
Instrument : MSVOA\_X  
ClientSampleId : LOD-MDL-WATER-01-QT4-2022

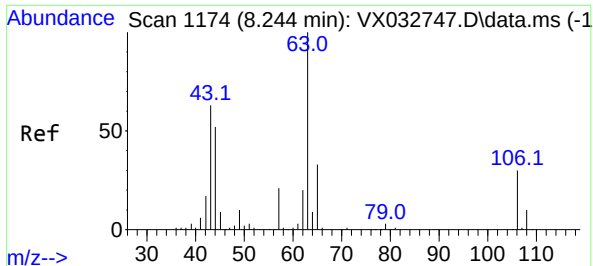
Tgt Ion:129 Resp: 2972  
Ion Ratio Lower Upper  
129 100  
127 73.6 39.0 117.0



#54  
1,2-Dibromoethane  
Concen: 2.461 ug/l  
RT: 9.616 min Scan# 1399  
Delta R.T. 0.006 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion:107 Resp: 3411  
Ion Ratio Lower Upper  
107 100  
109 94.8 75.0 112.6





#55

2-Chloroethyl vinyl ether

Concen: 11.974 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Instrument :

MSVOA\_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2022

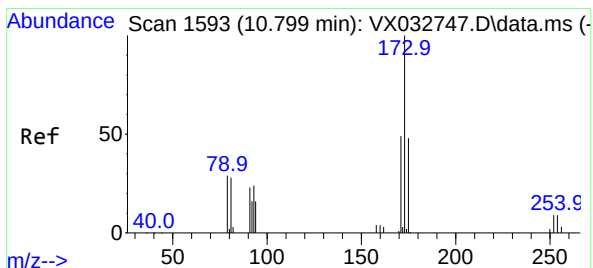
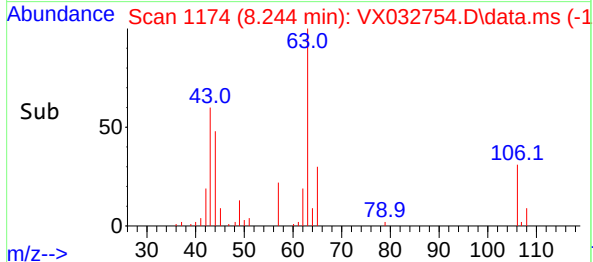
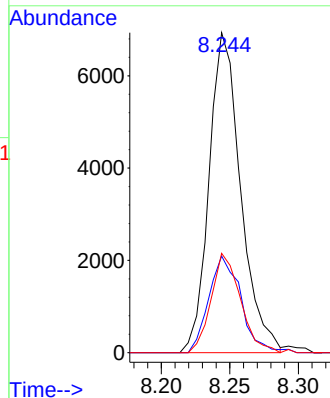
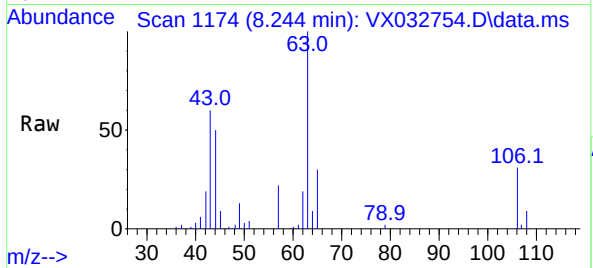
Tgt Ion: 63 Resp: 11118

Ion Ratio Lower Upper

63 100

65 30.6 25.5 38.3

106 28.8 28.9 43.3#



#56

Bromoform

Concen: 1.918 ug/l

RT: 10.798 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

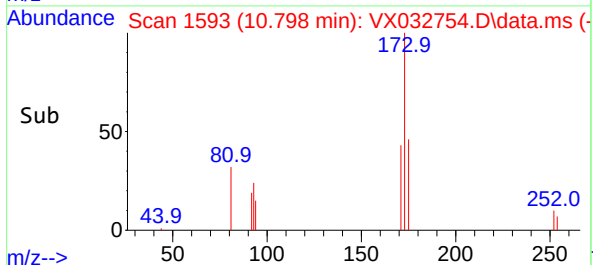
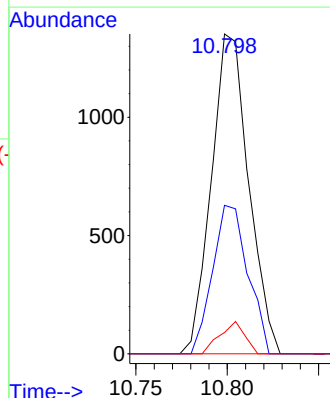
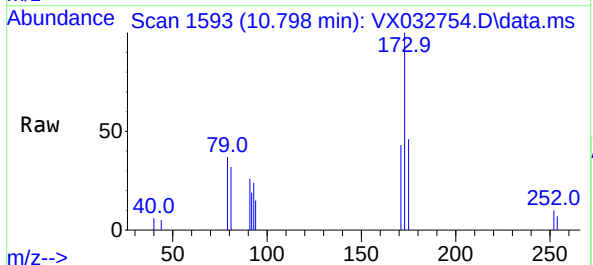
Tgt Ion: 173 Resp: 1921

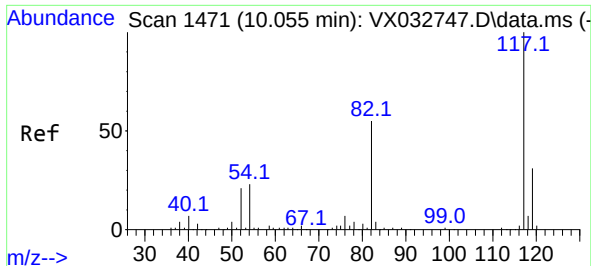
Ion Ratio Lower Upper

173 100

175 43.9 38.6 58.0

254 6.7 6.8 10.2#

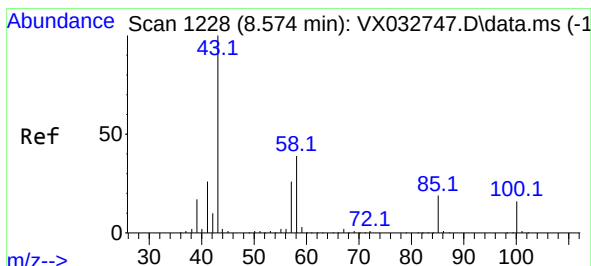
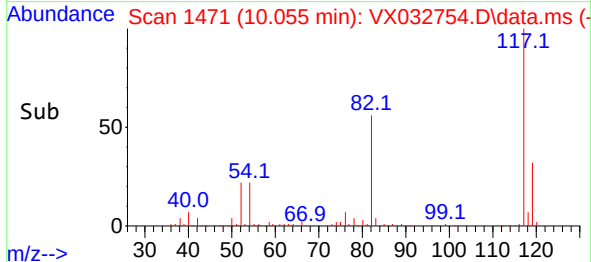
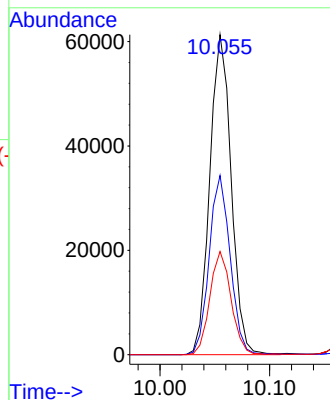
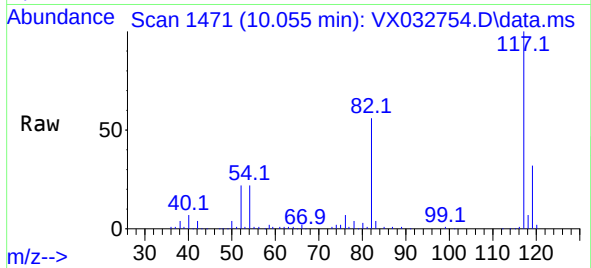




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

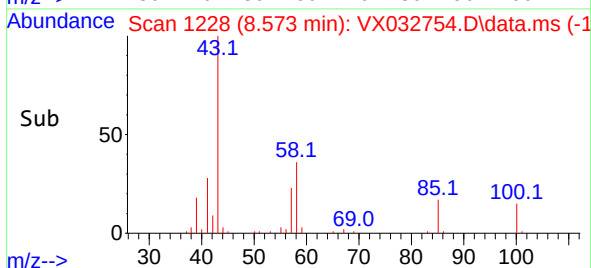
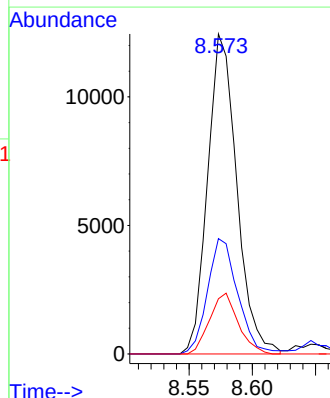
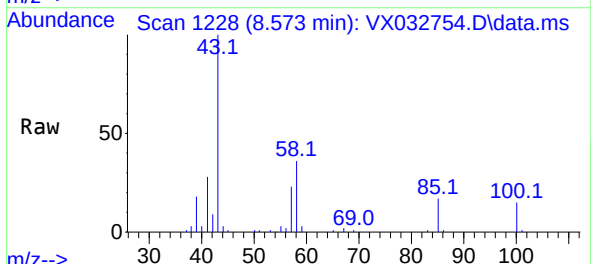
Instrument : MSVOA\_X  
ClientSampleId : LOD-MDL-WATER-01-QT4-2022

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 83175 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 55.0  | 40.0  | 60.0  |
| 119      | 31.9  | 26.0  | 39.0  |

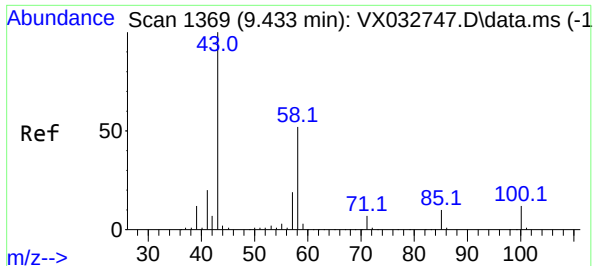


#58  
4-Methyl-2-Pentanone  
Concen: 12.259 ug/l  
RT: 8.573 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 19960 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 37.5  | 34.9  | 52.3  |
| 85       | 18.6  | 19.4  | 29.2  |







#59

2-Hexanone

Concen: 12.040 ug/l

RT: 9.433 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Instrument :

MSVOA\_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2022

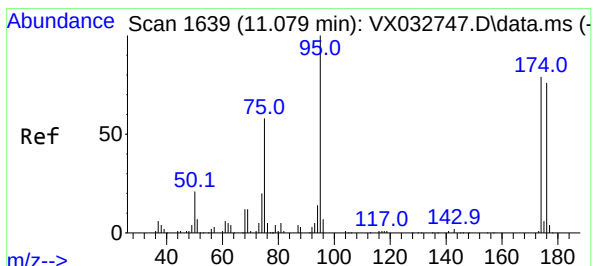
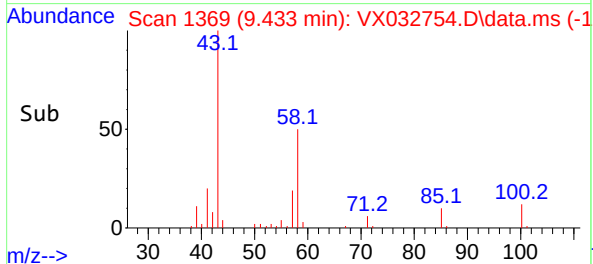
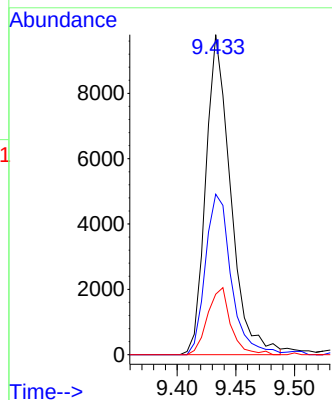
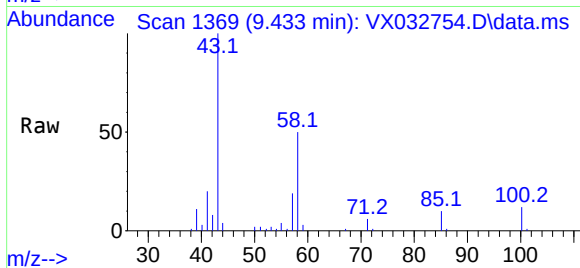
Tgt Ion: 43 Resp: 14434

Ion Ratio Lower Upper

43 100

58 51.9 49.0 73.6

57 19.2 17.0 25.4



#60

4-Bromofluorobenzene

Concen: 27.794 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

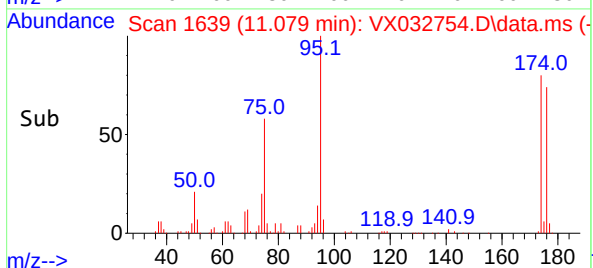
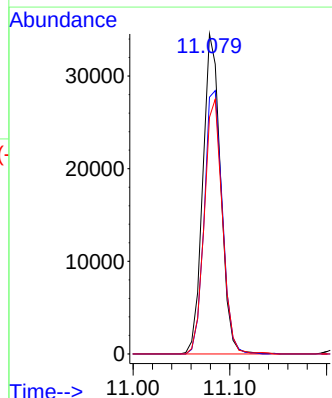
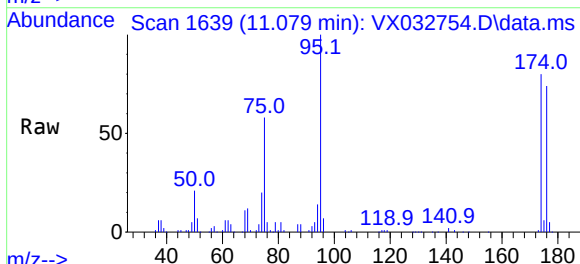
Tgt Ion: 95 Resp: 44221

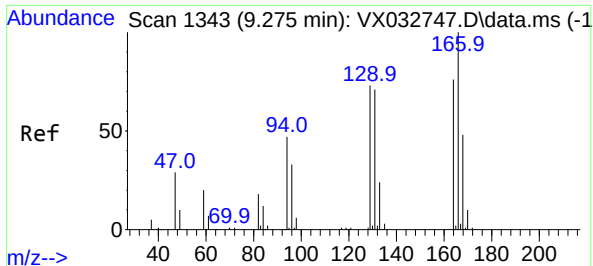
Ion Ratio Lower Upper

95 100

174 83.7 68.2 102.2

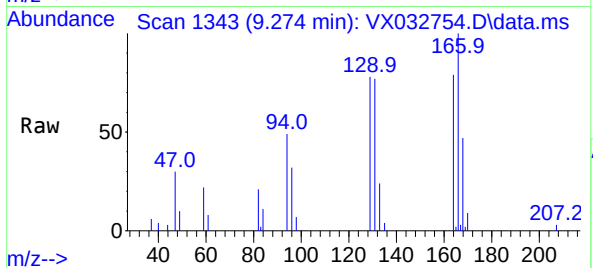
176 80.4 68.1 102.1



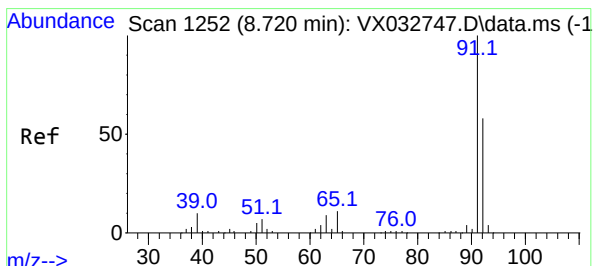
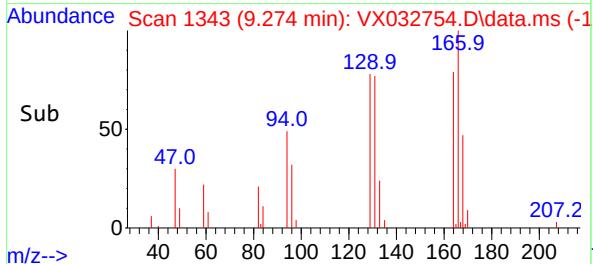
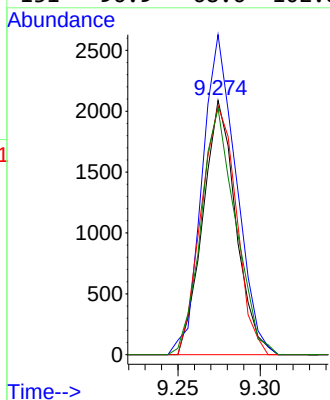


#61  
Tetrachloroethene  
Concen: 2.503 ug/l  
RT: 9.274 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

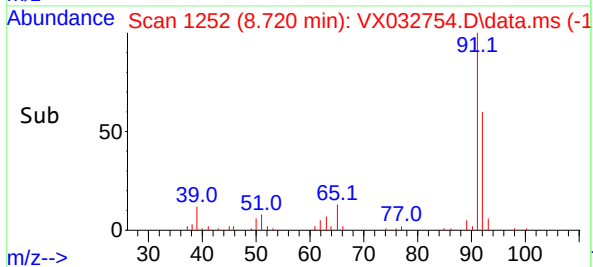
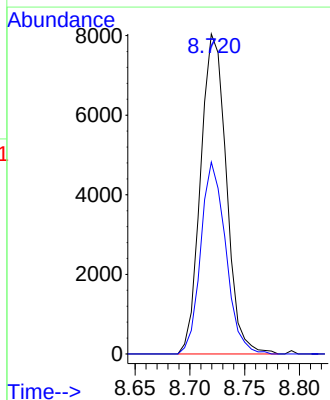
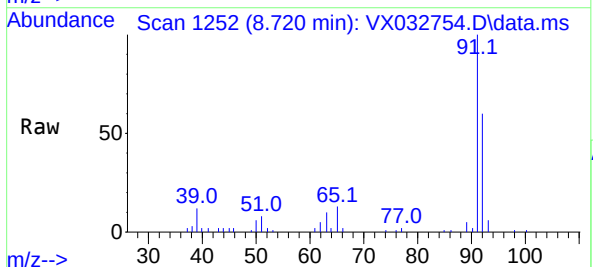


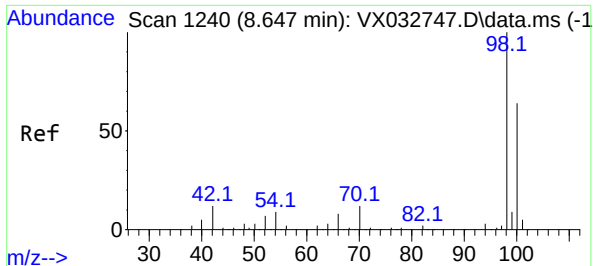
Tgt Ion:164 Resp: 2909  
Ion Ratio Lower Upper  
164 100  
166 125.8 102.8 154.2  
129 97.9 73.0 109.4  
131 96.9 68.6 102.8



#62  
Toluene  
Concen: 2.428 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 91 Resp: 13131  
Ion Ratio Lower Upper  
91 100  
92 58.2 47.3 70.9





#63

Toluene-d8

Concen: 30.199 ug/l

RT: 8.646 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Instrument :

MSVOA\_X

ClientSampleId :

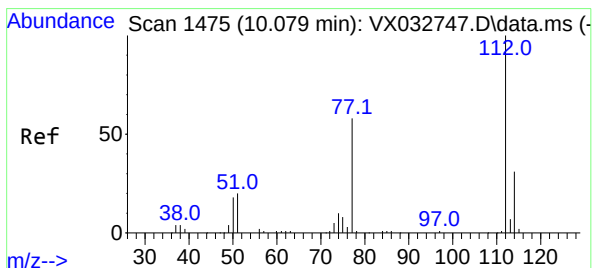
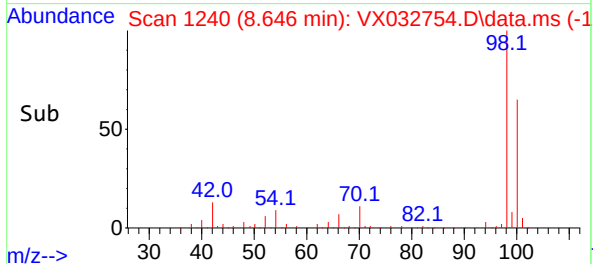
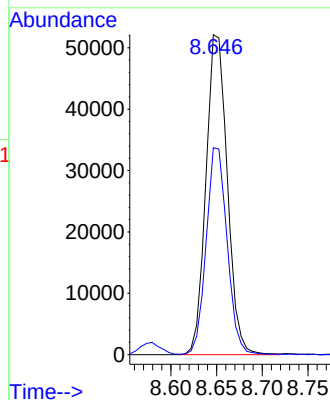
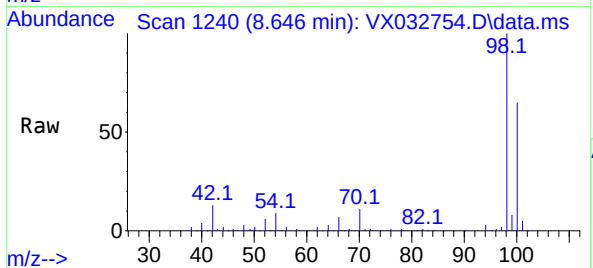
LOD-MDL-WATER-01-QT4-2022

Tgt Ion: 98 Resp: 84769

Ion Ratio Lower Upper

98 100

100 63.4 53.8 80.8



#64

Chlorobenzene

Concen: 2.516 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX032754.D

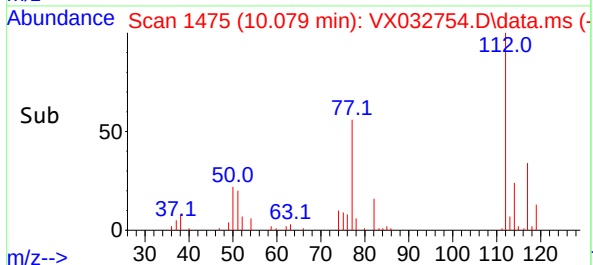
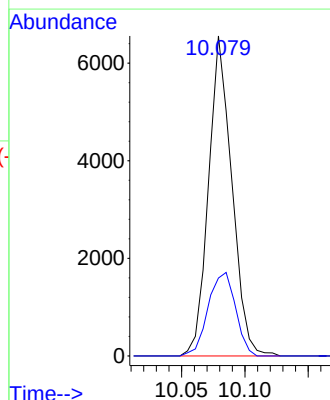
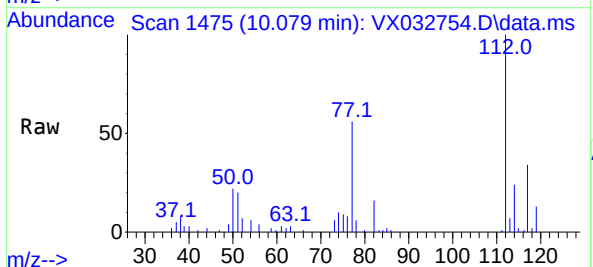
Acq: 11 Nov 2022 04:27

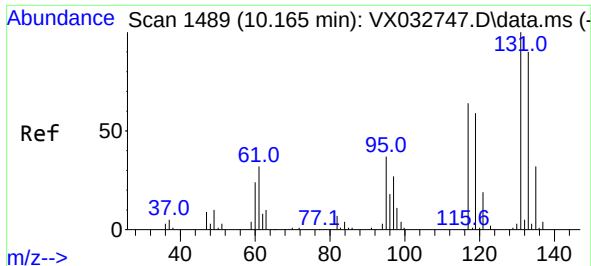
Tgt Ion: 112 Resp: 8415

Ion Ratio Lower Upper

112 100

114 24.3 25.7 38.5#

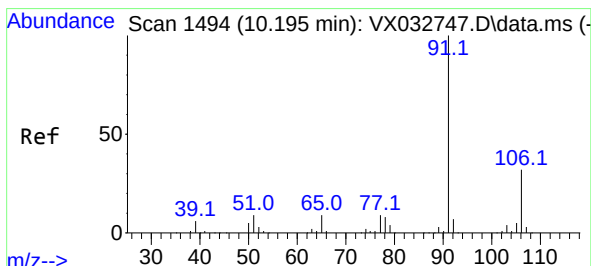
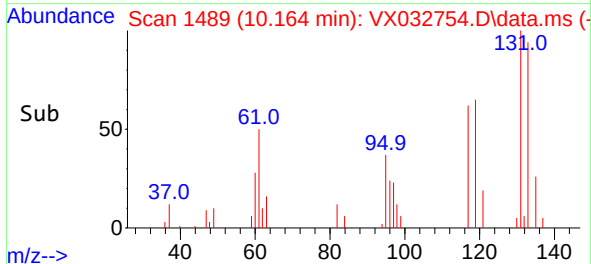
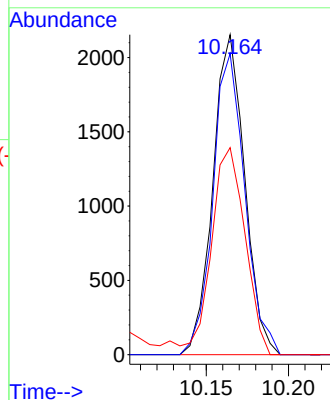
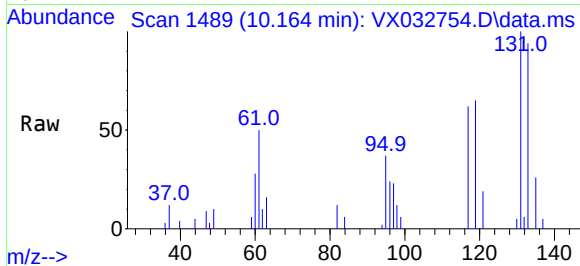




#65  
1,1,1,2-Tetrachloroethane  
Concen: 2.276 ug/l  
RT: 10.164 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

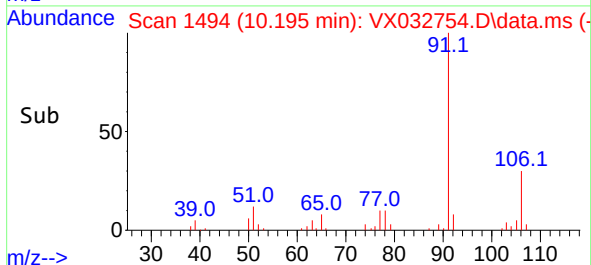
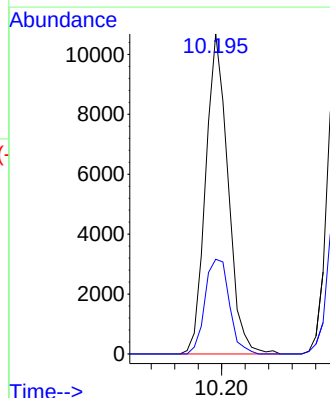
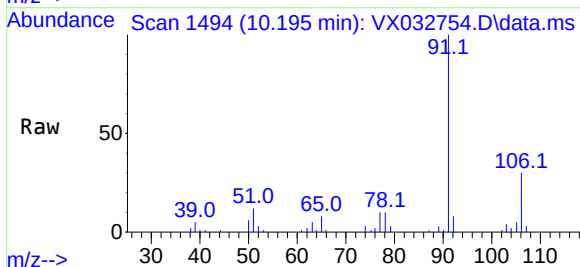
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

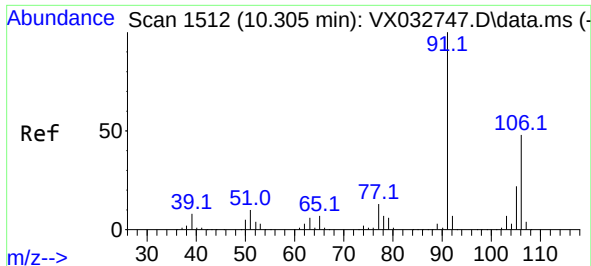
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 131   | Resp: | 2900  |
| Ion      | Ratio | Lower | Upper |
| 131      | 100   |       |       |
| 133      | 94.6  | 0.0   | 189.4 |
| 119      | 67.9  | 0.0   | 127.0 |



#66  
Ethyl Benzene  
Concen: 2.324 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 14103 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 106      | 29.6  | 26.7  | 40.1  |





#67

m/p-Xylenes

Concen: 4.554 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Instrument :

MSVOA\_X

ClientSampleId :

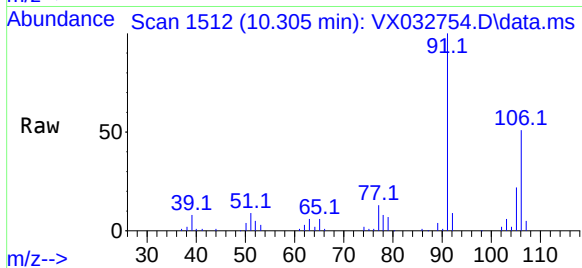
LOD-MDL-WATER-01-QT4-2022

Tgt Ion:106 Resp: 10753

Ion Ratio Lower Upper

106 100

91 208.6 152.3 228.5



Abundance

15000

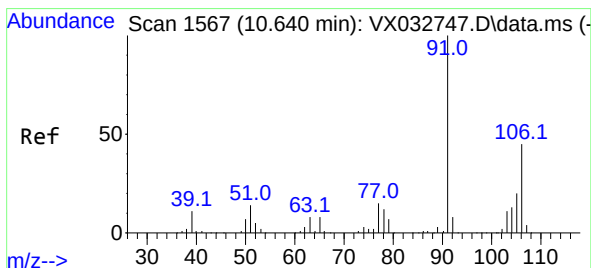
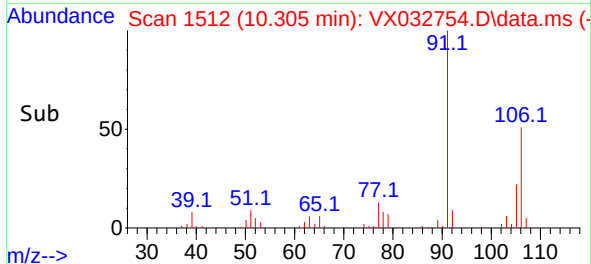
10000

5000

0

10.305

Time-->



#68

o-Xylene

Concen: 2.351 ug/l

RT: 10.646 min Scan# 1568

Delta R.T. 0.006 min

Lab File: VX032754.D

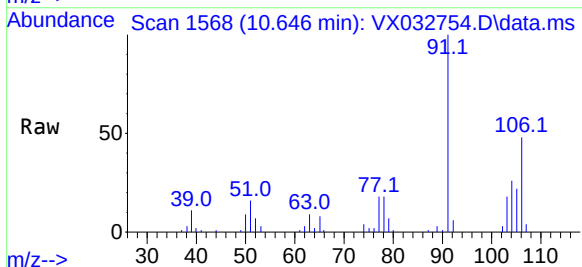
Acq: 11 Nov 2022 04:27

Tgt Ion:106 Resp: 5446

Ion Ratio Lower Upper

106 100

91 216.5 101.9 305.7



Abundance

8000

6000

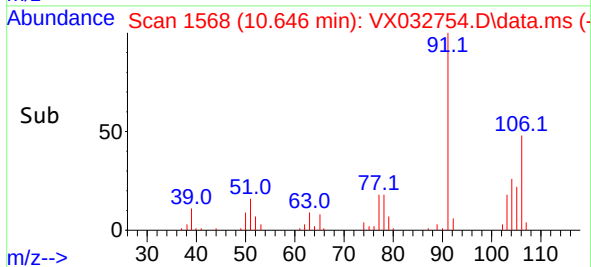
4000

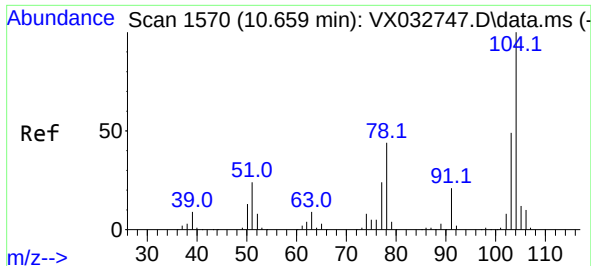
2000

0

10.646

Time-->

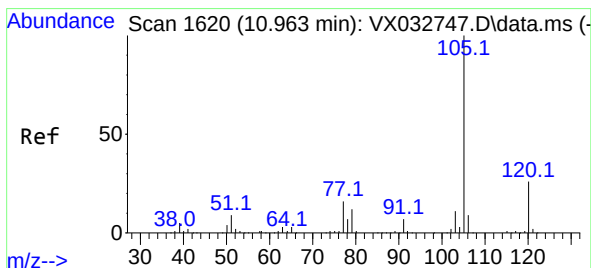
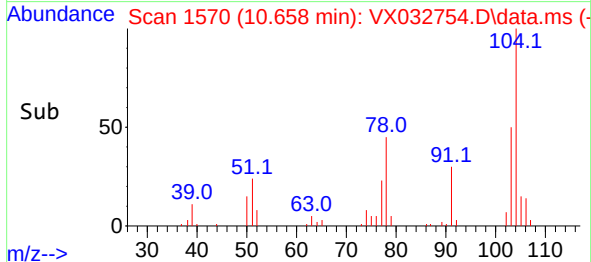
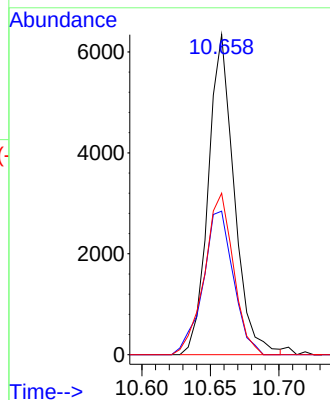
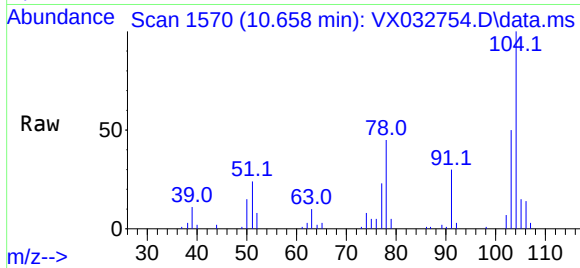




#69  
Styrene  
Concen: 2.167 ug/l  
RT: 10.658 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

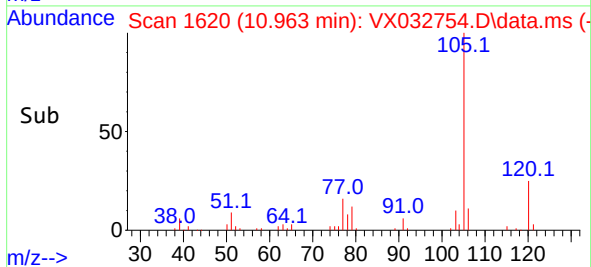
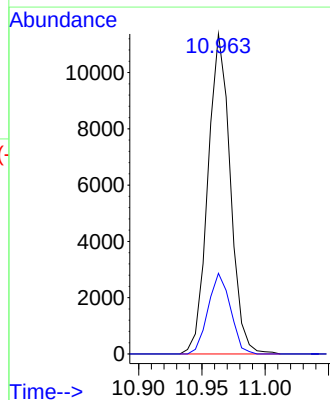
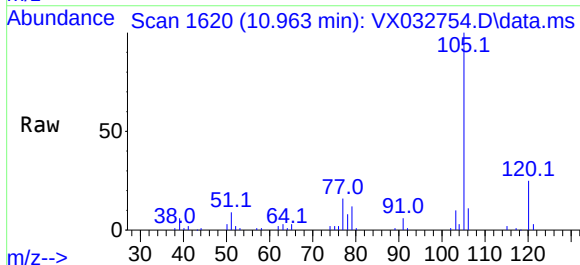
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

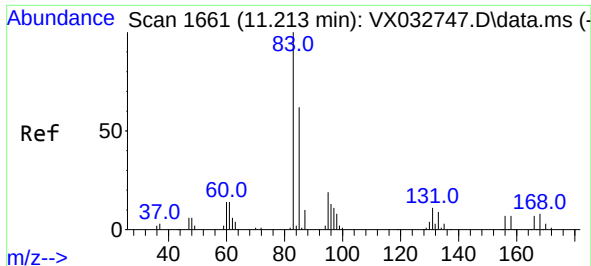
Tgt Ion:104 Resp: 8345  
Ion Ratio Lower Upper  
104 100  
78 52.5 36.6 55.0  
103 56.1 43.3 64.9



#70  
Isopropylbenzene  
Concen: 2.264 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion:105 Resp: 14006  
Ion Ratio Lower Upper  
105 100  
120 25.1 19.3 35.9

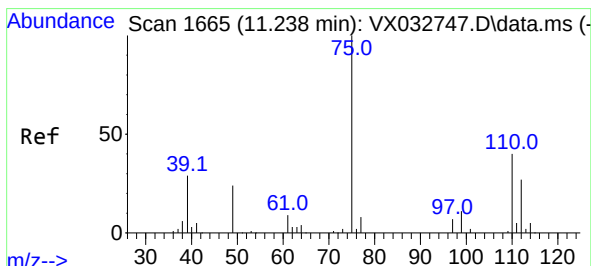
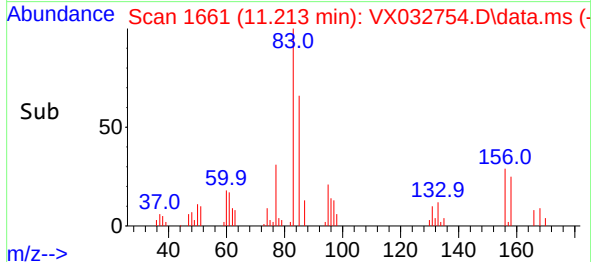
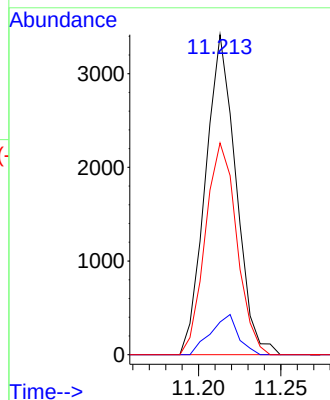
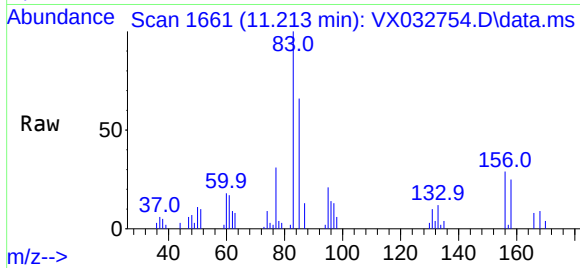




#71  
1,1,2,2-Tetrachloroethane  
Concen: 2.348 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

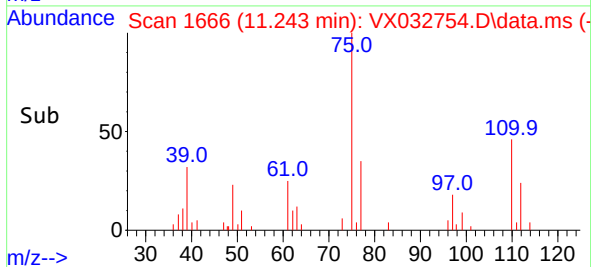
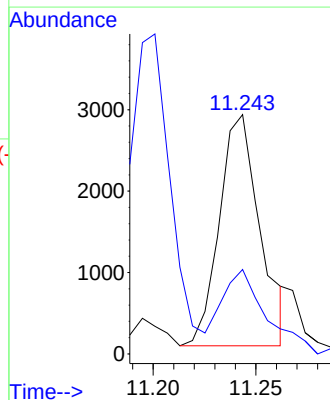
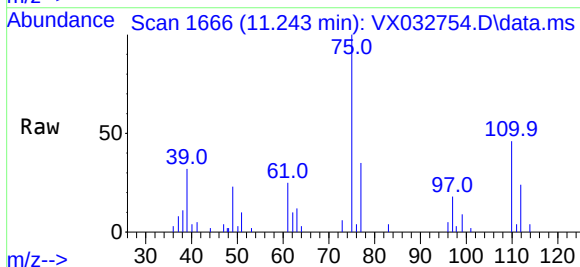
Instrument : MSVOA\_X  
ClientSampleId : LOD-MDL-WATER-01-QT4-2022

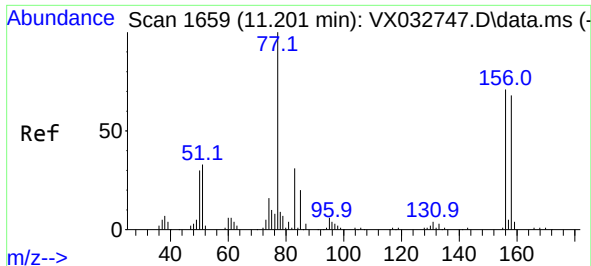
Tgt Ion: 83 Resp: 4405  
Ion Ratio Lower Upper  
83 100  
131 11.2 6.0 18.1  
85 68.3 32.8 98.3



#72  
1,2,3-Trichloropropane  
Concen: 2.401 ug/l  
RT: 11.243 min Scan# 1666  
Delta R.T. 0.006 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 75 Resp: 3912  
Ion Ratio Lower Upper  
75 100  
77 40.2 0.0 76.6

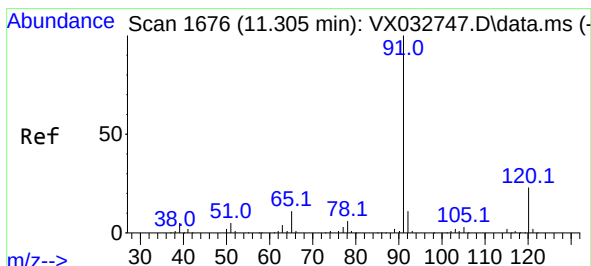
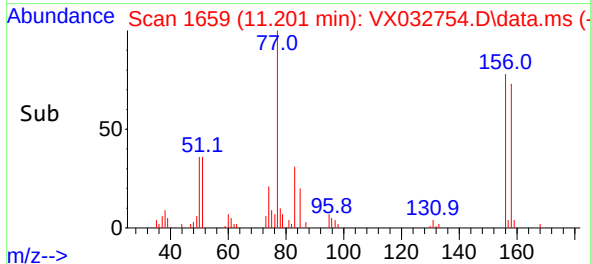
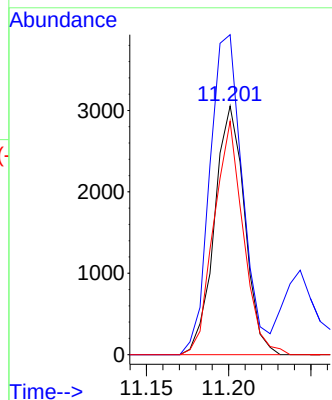
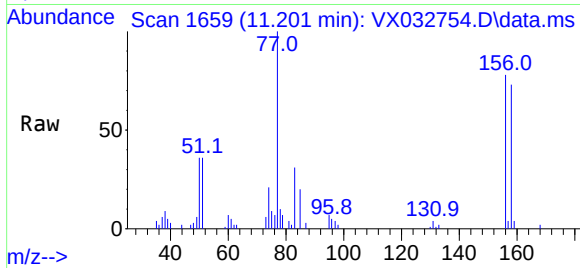




#73  
Bromobenzene  
Concen: 2.597 ug/l  
RT: 11.201 min Scan# 1659  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

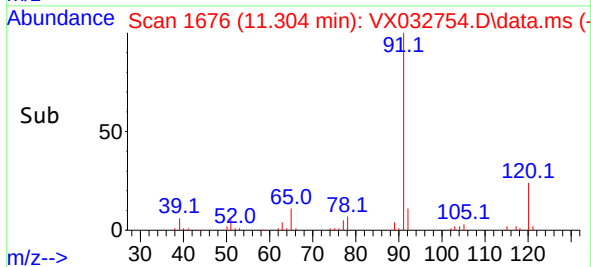
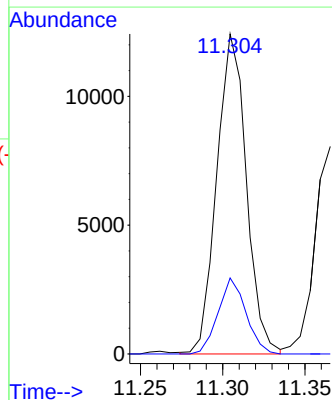
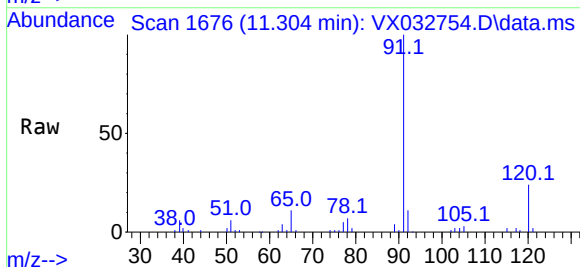
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

Tgt Ion:156 Resp: 3903  
Ion Ratio Lower Upper  
156 100  
77 140.0 0.0 259.2  
158 91.6 0.0 193.2

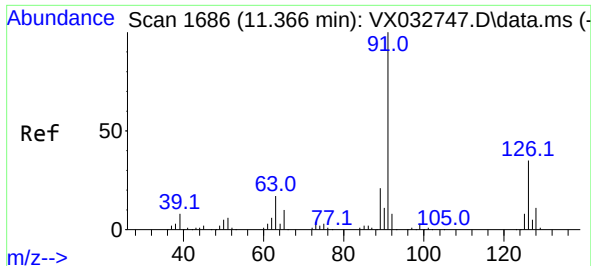


#74  
n-propylbenzene  
Concen: 2.210 ug/l  
RT: 11.304 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 91 Resp: 15533  
Ion Ratio Lower Upper  
91 100  
120 22.3 0.0 51.0



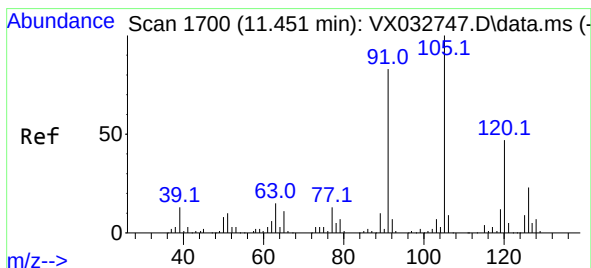
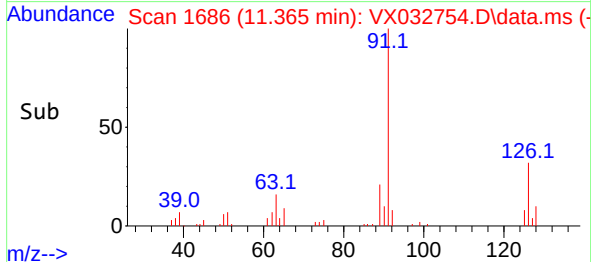
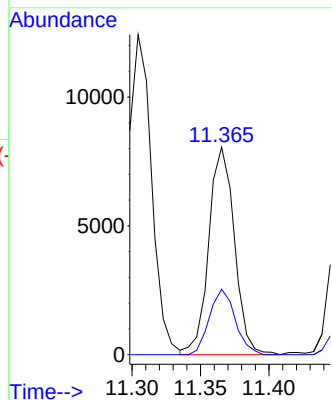
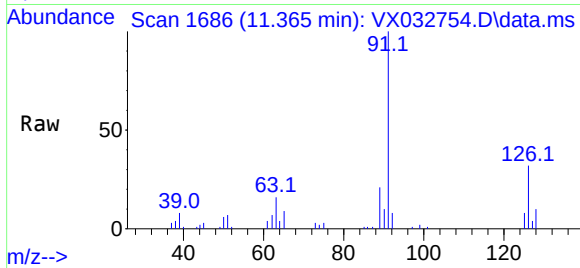




#75  
2-Chlorotoluene  
Concen: 2.463 ug/l  
RT: 11.365 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

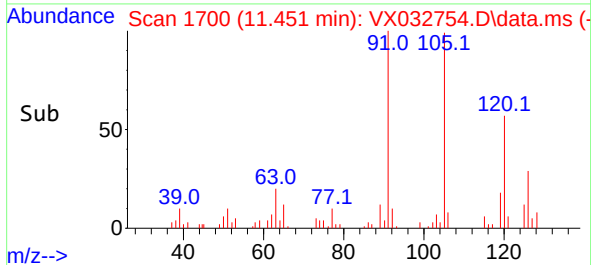
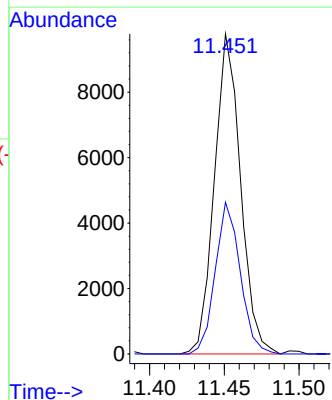
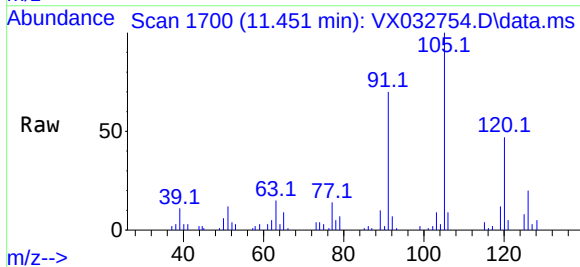
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

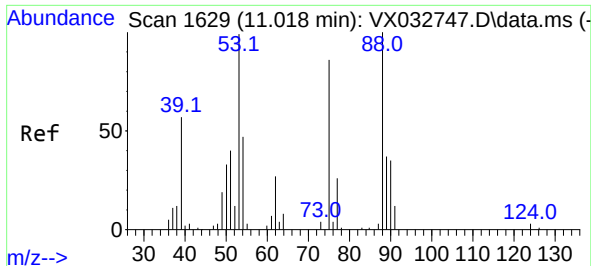
Tgt Ion: 91 Resp: 10483  
Ion Ratio Lower Upper  
91 100  
126 31.7 0.0 76.4



#76  
1,3,5-Trimethylbenzene  
Concen: 2.275 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 105 Resp: 11896  
Ion Ratio Lower Upper  
105 100  
120 45.2 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 1.643 ug/l

RT: 11.024 min Scan# 1630

Delta R.T. 0.006 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Instrument :

MSVOA\_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2022

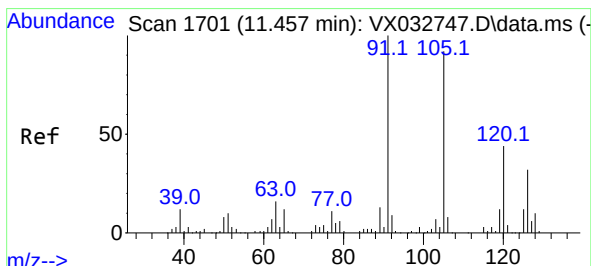
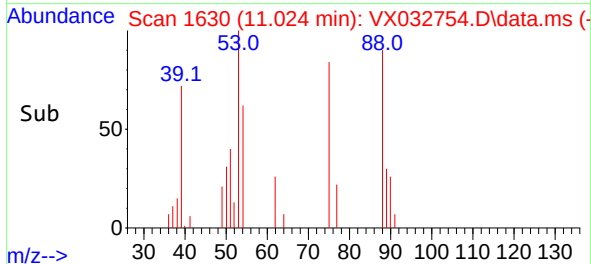
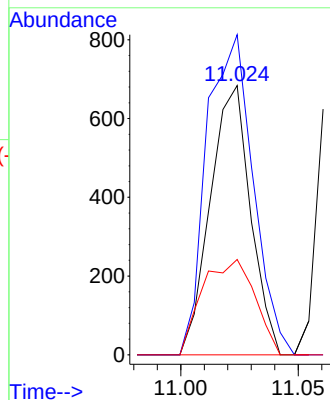
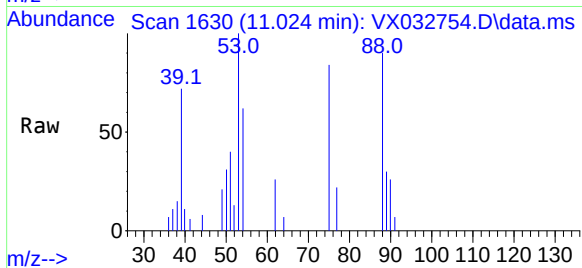
Tgt Ion: 75 Resp: 817

Ion Ratio Lower Upper

75 100

53 118.9 51.8 155.4

89 35.4 22.9 68.8



#78

4-Chlorotoluene

Concen: 2.264 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VX032754.D

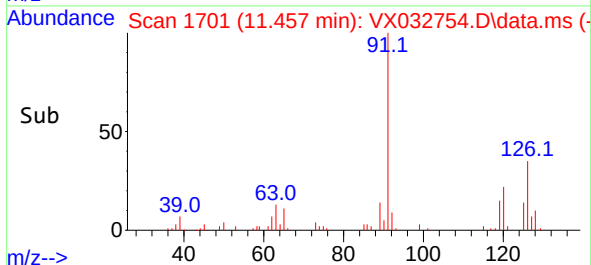
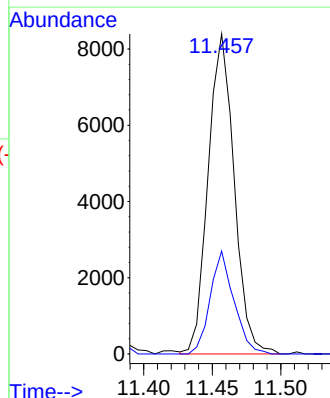
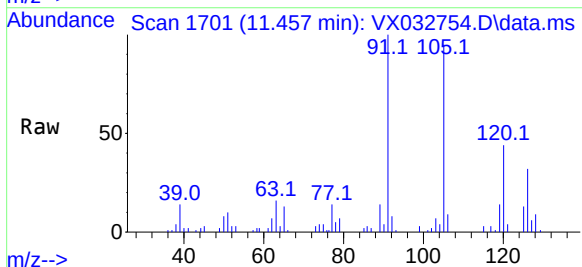
Acq: 11 Nov 2022 04:27

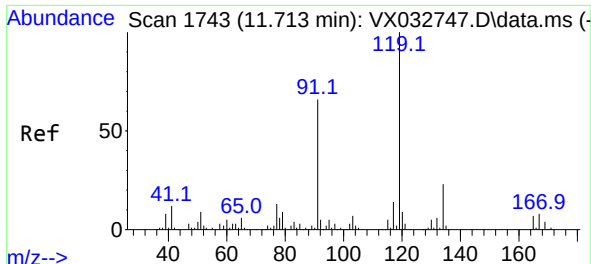
Tgt Ion: 91 Resp: 11100

Ion Ratio Lower Upper

91 100

126 29.2 0.0 67.0

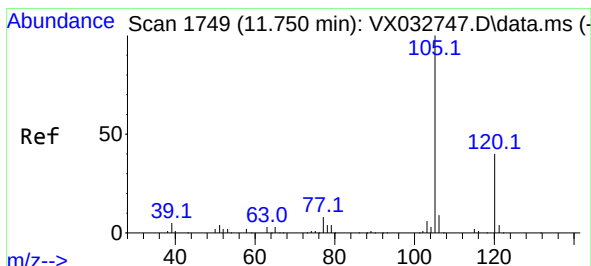
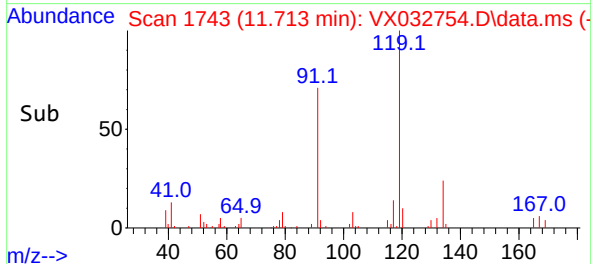
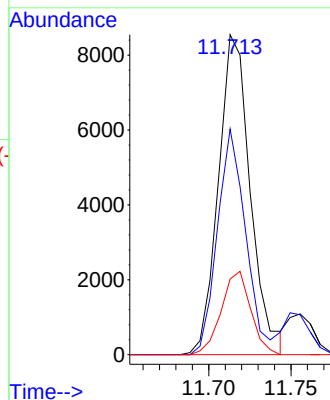
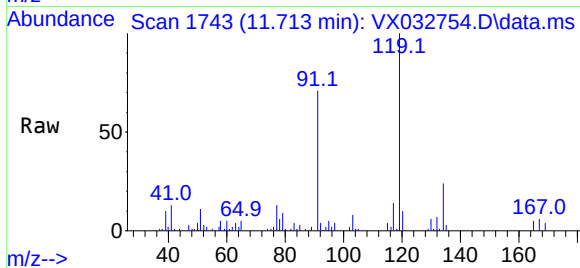




#79  
tert-butylbenzene  
Concen: 2.273 ug/l  
RT: 11.713 min Scan# 11553  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

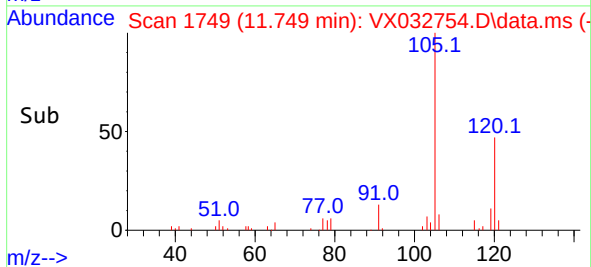
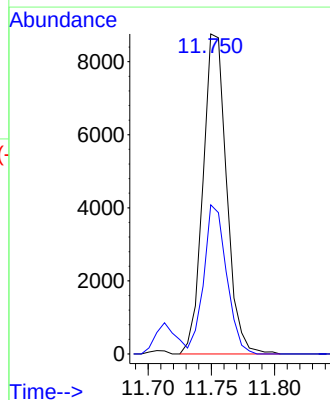
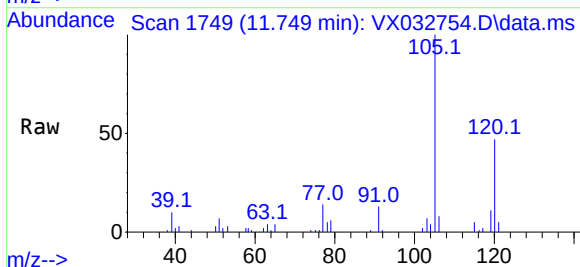
Instrument : MSVOA\_X  
ClientSampleId : LOD-MDL-WATER-01-QT4-2022

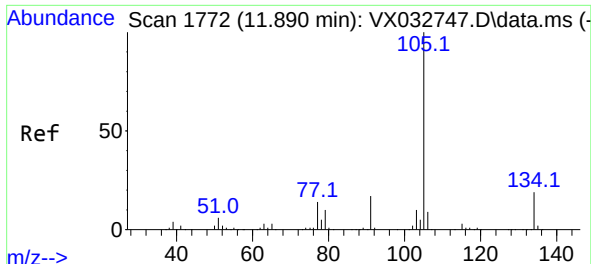
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 11553 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 62.2  | 0.0   | 112.0 |
| 134      | 24.1  | 0.0   | 51.0  |



#80  
1,2,4-Trimethylbenzene  
Concen: 2.229 ug/l  
RT: 11.749 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 11396 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 44.9  | 0.0   | 95.0  |

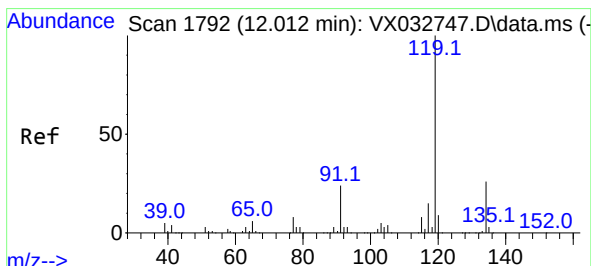
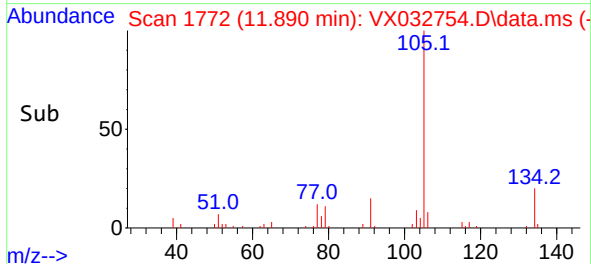
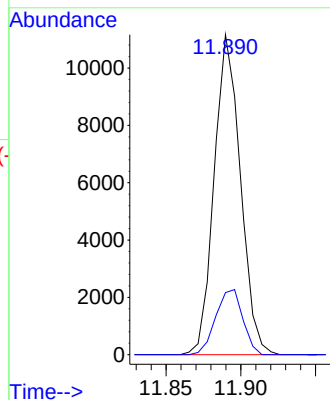
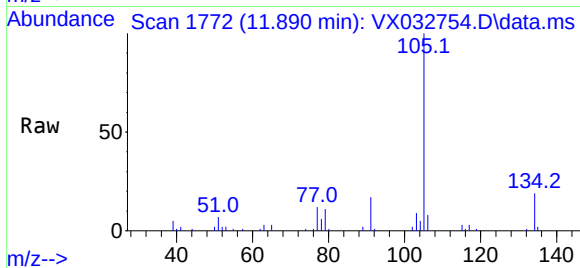




#81  
 sec-Butylbenzene  
 Concen: 2.226 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. -0.000 min  
 Lab File: VX032754.D  
 Acq: 11 Nov 2022 04:27

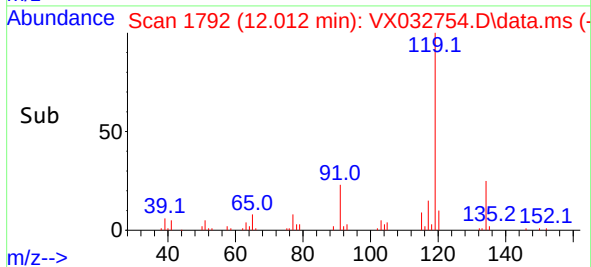
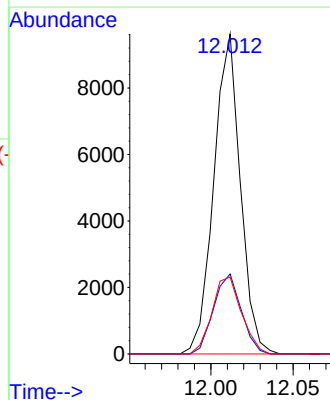
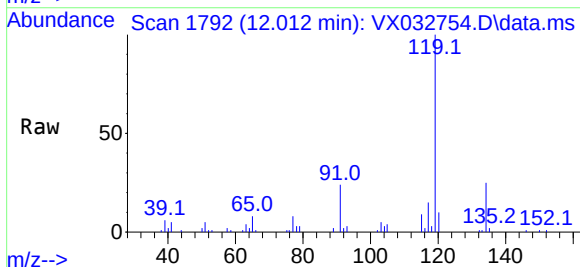
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2022

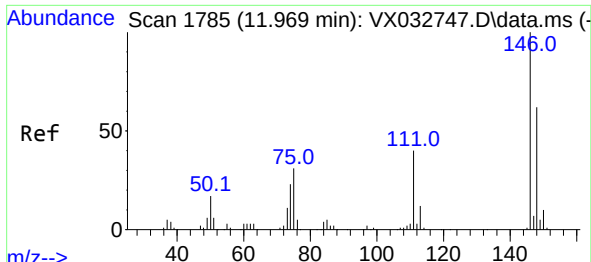
Tgt Ion:105 Resp: 13618  
 Ion Ratio Lower Upper  
 105 100  
 134 21.0 0.0 44.4



#82  
 p-Isopropyltoluene  
 Concen: 2.090 ug/l  
 RT: 12.012 min Scan# 1792  
 Delta R.T. -0.000 min  
 Lab File: VX032754.D  
 Acq: 11 Nov 2022 04:27

Tgt Ion:119 Resp: 10780  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 0.0 55.4  
 91 26.8 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 2.272 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

Instrument :

MSVOA\_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2022

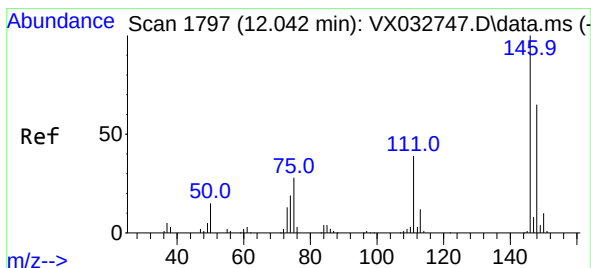
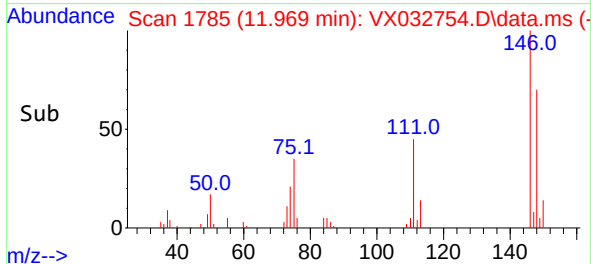
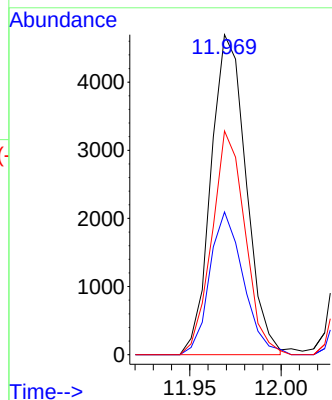
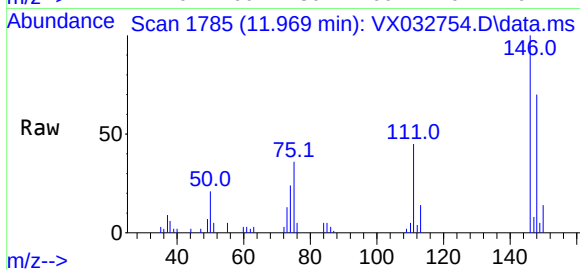
Tgt Ion:146 Resp: 6264

Ion Ratio Lower Upper

146 100

111 42.9 19.4 58.1

148 66.2 32.6 97.7



#84

1,4-Dichlorobenzene

Concen: 2.470 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX032754.D

Acq: 11 Nov 2022 04:27

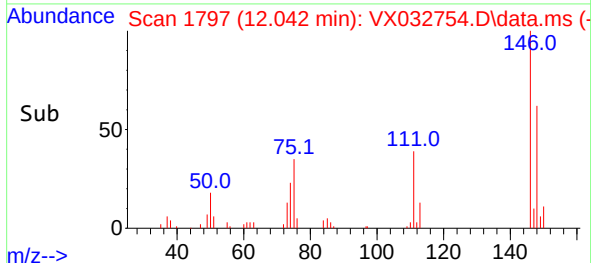
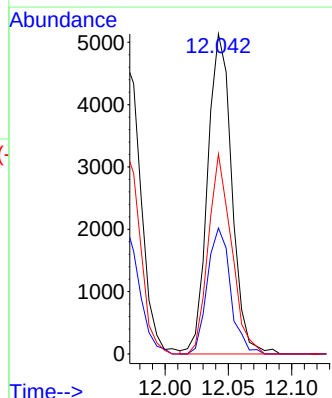
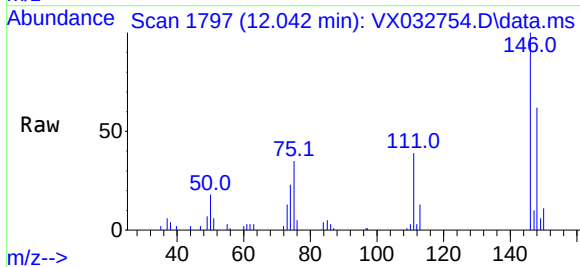
Tgt Ion:146 Resp: 6839

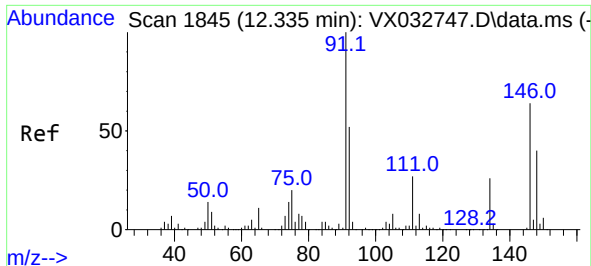
Ion Ratio Lower Upper

146 100

111 37.6 18.9 56.5

148 59.7 31.6 95.0

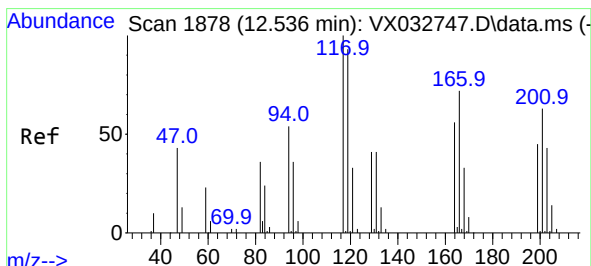
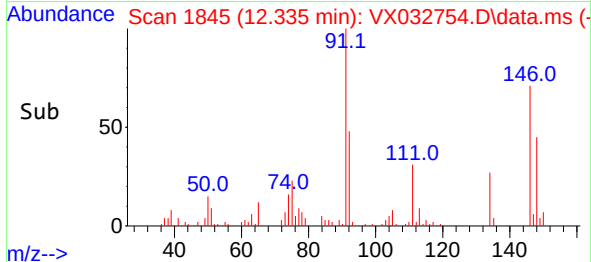
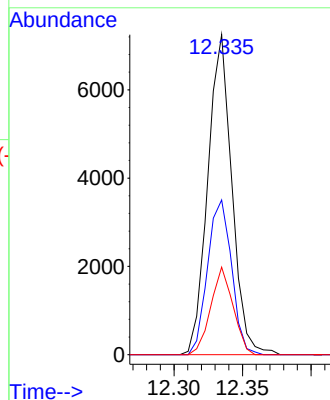
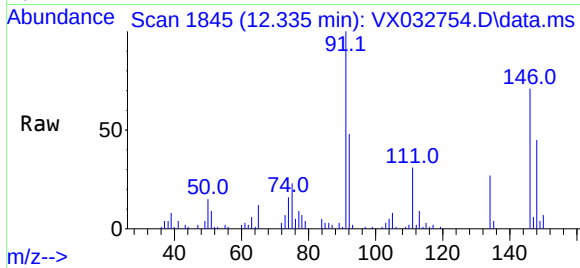




#85  
n-Butylbenzene  
Concen: 2.033 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

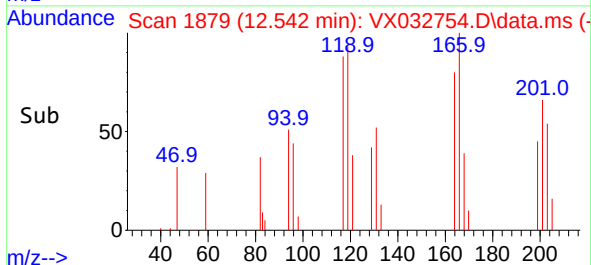
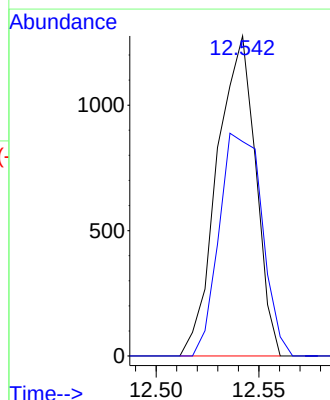
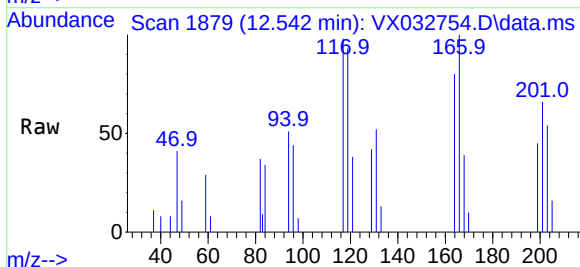
Instrument : MSVOA\_X  
ClientSampleId : LOD-MDL-WATER-01-QT4-2022

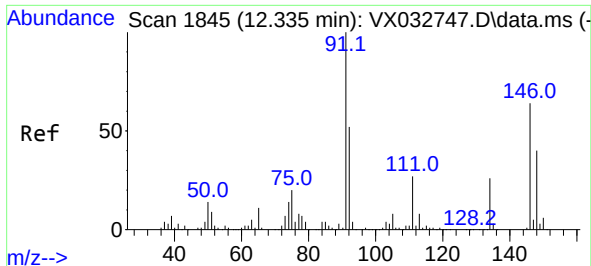
|             |                |
|-------------|----------------|
| Tgt Ion: 91 | Resp: 8885     |
| Ion Ratio   | Lower Upper    |
| 91          | 100            |
| 92          | 48.1 0.0 108.4 |
| 134         | 25.3 0.0 60.6  |



#86  
Hexachloroethane  
Concen: 1.964 ug/l  
RT: 12.542 min Scan# 1879  
Delta R.T. 0.006 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 1663      |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 201          | 77.3 37.7 113.1 |

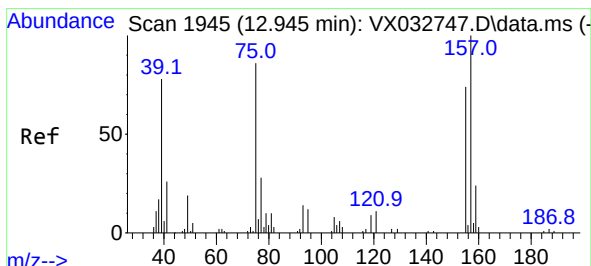
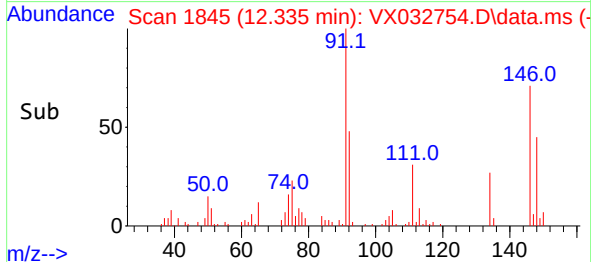
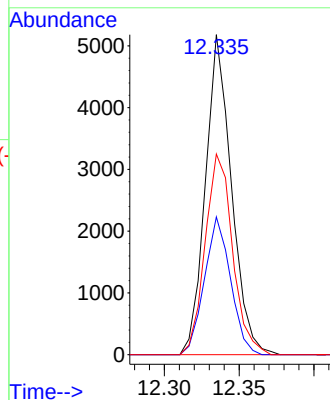
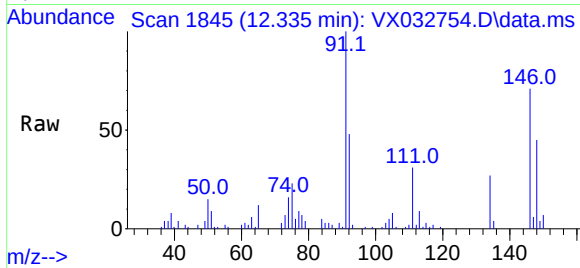




#87  
1,2-Dichlorobenzene  
Concen: 2.291 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

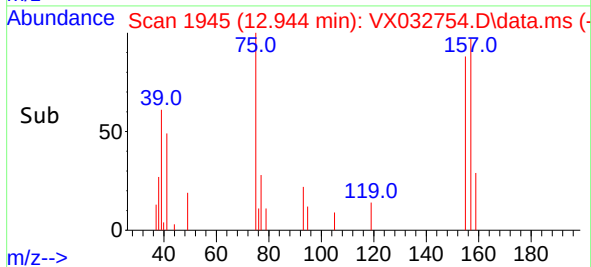
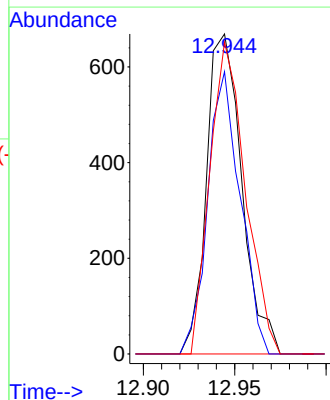
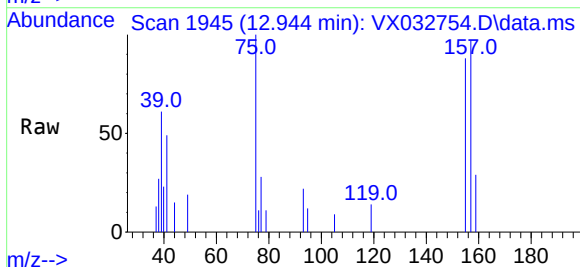
Instrument : MSVOA\_X  
ClientSampleId : LOD-MDL-WATER-01-QT4-2022

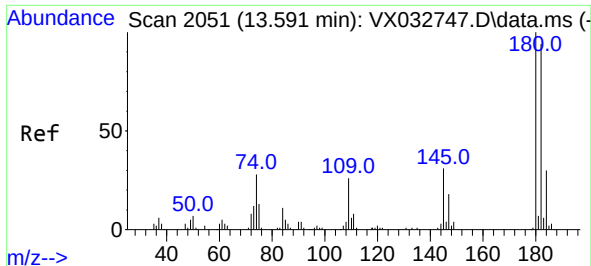
Tgt Ion:146 Resp: 6281  
Ion Ratio Lower Upper  
146 100  
111 43.1 20.0 60.0  
148 66.1 33.0 99.0



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 2.266 ug/l  
RT: 12.944 min Scan# 1945  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion: 75 Resp: 902  
Ion Ratio Lower Upper  
75 100  
155 81.3 85.0 127.6#  
157 98.1 101.0 151.6#

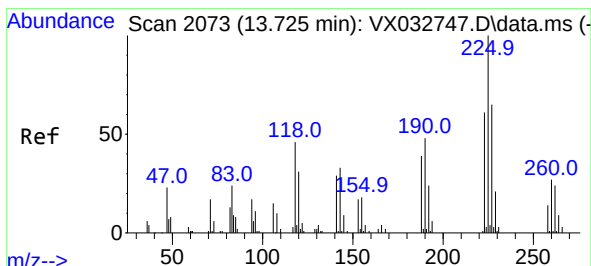
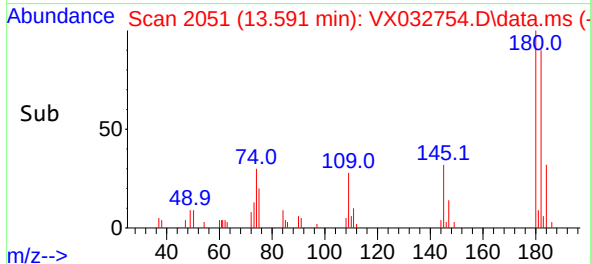
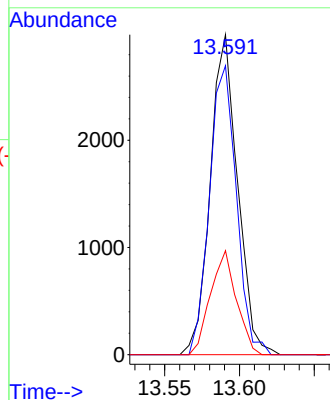
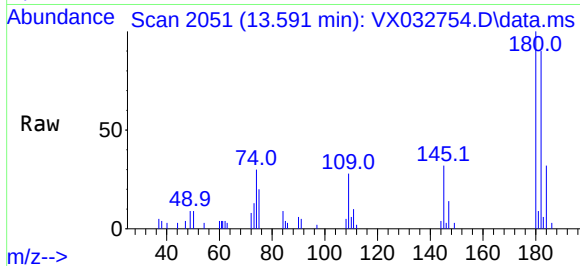




#89  
1,2,4-Trichlorobenzene  
Concen: 2.253 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

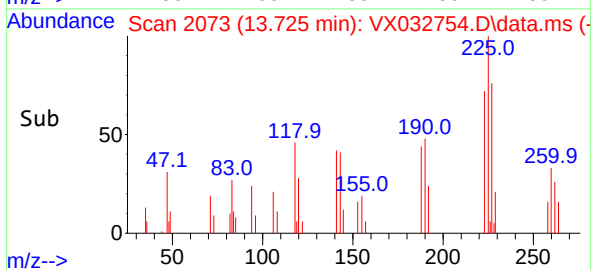
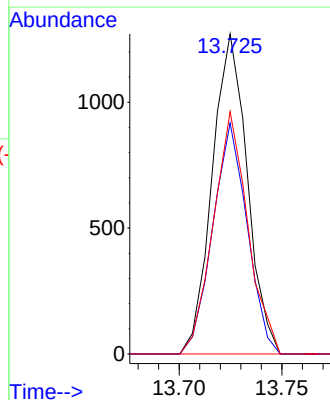
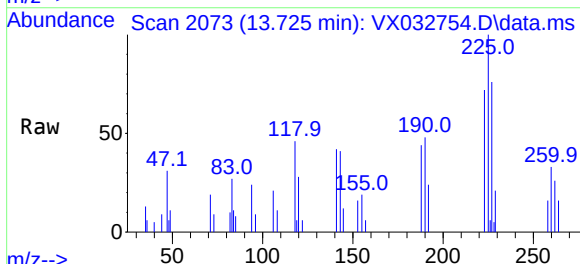
Instrument :  
MSVOA\_X  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2022

Tgt Ion:180 Resp: 3793  
Ion Ratio Lower Upper  
180 100  
182 89.0 75.3 112.9  
145 31.0 25.9 38.9

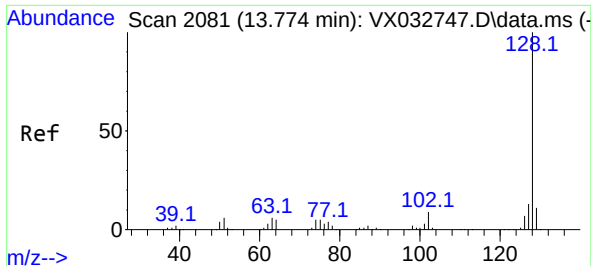


#90  
Hexachlorobutadiene  
Concen: 2.223 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Tgt Ion:225 Resp: 1506  
Ion Ratio Lower Upper  
225 100  
223 70.8 0.0 126.0  
227 74.7 0.0 127.6



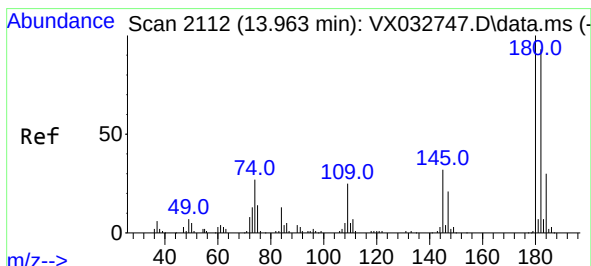
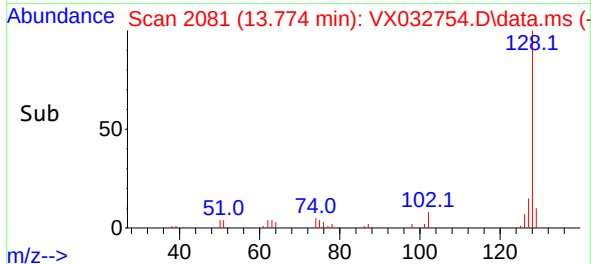
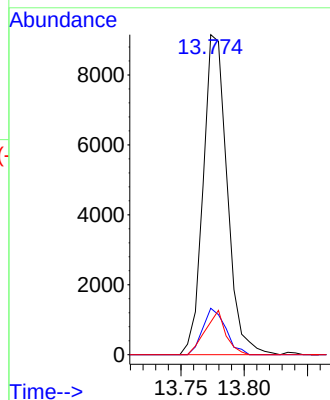
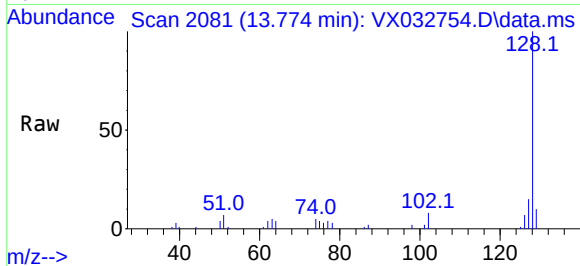




#91  
Naphthalene  
Concen: 2.126 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

Instrument : MSVOA\_X  
ClientSampleId : LOD-MDL-WATER-01-QT4-2022

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:128 | Resp: | 12078 |       |
| Ion         | Ratio | Lower | Upper |
| 128         | 100   |       |       |
| 127         | 13.9  | 9.9   | 14.9  |
| 129         | 11.7  | 8.4   | 12.6  |



#92  
1,2,3-Trichlorobenzene  
Concen: 2.217 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. -0.000 min  
Lab File: VX032754.D  
Acq: 11 Nov 2022 04:27

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:180 | Resp: | 3753  |       |
| Ion         | Ratio | Lower | Upper |
| 180         | 100   |       |       |
| 182         | 98.3  | 0.0   | 199.0 |
| 145         | 32.0  | 0.0   | 68.2  |

