

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030624\  
 Data File : VX040597.D  
 Acq On : 06 Mar 2024 10:58  
 Operator : JC/MD  
 Sample : P1187-09 2.5PPB  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT1-2024

Quant Time: Mar 07 04:34:09 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X030524W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Mar 05 13:21:29 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Bromochloromethane        | 4.891  | 128   | 14963    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.763  | 114   | 84961    | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055 | 117   | 79802    | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.952  | 65    | 44517    | 29.789   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =      | 99.300%  |
| 60) 4-Bromofluorobenzene     | 11.079 | 95    | 40309    | 29.447   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =      | 98.167%  |
| 63) Toluene-d8               | 8.647  | 98    | 107367   | 30.444   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =      | 101.467% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 2935     | 2.892    | ug/l   | 94       |
| 3) Chloromethane             | 1.294  | 50    | 2910     | 2.799    | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374  | 62    | 2767     | 2.462    | ug/l   | 92       |
| 5) Bromomethane              | 1.605  | 94    | 2066     | 3.010    | ug/l   | 90       |
| 6) Chloroethane              | 1.691  | 64    | 1564     | 2.369    | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.886  | 101   | 4276     | 2.499    | ug/l   | 97       |
| 8) Diethyl Ether             | 2.136  | 74    | 1306     | 2.248    | ug/l   | 62       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325  | 101   | 2555     | 2.726    | ug/l   | 95       |
| 10) 1,1-Dichloroethene       | 2.319  | 96    | 2215     | 2.482    | ug/l   | 82       |
| 11) Methyl Iodide            | 2.453  | 142   | 2144     | 1.987    | ug/l   | 82       |
| 12) Methyl Acetate           | 2.703  | 43    | 3166     | 2.154    | ug/l   | 96       |
| 13) Acrolein                 | 2.239  | 56    | 3728     | 13.454   | ug/l   | 94       |
| 14) Acrylonitrile            | 3.062  | 53    | 7252     | 12.530   | ug/l   | 99       |
| 15) Acetone                  | 2.373  | 58    | 2298     | 13.890   | ug/l   | 76       |
| 16) Carbon Disulfide         | 2.508  | 76    | 6528     | 2.662    | ug/l # | 87       |
| 17) Allyl chloride           | 2.666  | 41    | 4087     | 2.482    | ug/l   | 77       |
| 18) Methylene Chloride       | 2.782  | 84    | 2715     | 2.665    | ug/l   | 94       |
| 19) trans-1,2-Dichloroethene | 3.087  | 96    | 2438     | 2.503    | ug/l # | 83       |
| 20) Diisopropyl ether        | 3.757  | 45    | 7602     | 2.308    | ug/l # | 61       |
| 21) 1,1-Dichloroethane       | 3.605  | 63    | 4780     | 2.522    | ug/l   | 99       |
| 22) cis-1,2-Dichloroethene   | 4.483  | 96    | 2764     | 2.443    | ug/l # | 89       |
| 23) tert-Butyl Alcohol       | 2.959  | 59    | 3343     | 12.225   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 3.117  | 73    | 7909     | 2.402    | ug/l # | 88       |
| 25) Chloroform               | 5.086  | 83    | 5174     | 2.495    | ug/l   | 91       |
| 26) Cyclohexane              | 5.471  | 56    | 3651     | 2.387    | ug/l # | 28       |
| 29) 1,1-Dichloropropene      | 5.684  | 75    | 2789     | 1.896    | ug/l # | 56       |
| 30) 2-Butanone               | 4.562  | 43    | 10978    | 12.233   | ug/l # | 92       |
| 31) 2,2-Dichloropropane      | 4.465  | 77    | 2798     | 1.763    | ug/l # | 84       |
| 32) 1,1,1-Trichloroethane    | 5.379  | 97    | 4451     | 2.402    | ug/l   | 94       |
| 33) Carbon Tetrachloride     | 5.672  | 117   | 3763     | 2.414    | ug/l   | 91       |
| 34) Benzene                  | 6.031  | 78    | 9872     | 2.487    | ug/l   | 97       |
| 35) Methacrylonitrile        | 4.922  | 41    | 1810     | 1.965    | ug/l   | 80       |
| 36) 1,2-Dichloroethane       | 6.086  | 62    | 4568     | 2.489    | ug/l # | 87       |
| 37) Trichloroethene          | 7.129  | 130   | 2824     | 2.647    | ug/l   | 89       |
| 38) Methylcyclohexane        | 7.385  | 83    | 3806     | 2.403    | ug/l   | 91       |
| 39) 1,2-Dichloropropane      | 7.434  | 63    | 2519     | 2.492    | ug/l # | 88       |
| 40) Dibromomethane           | 7.586  | 93    | 2173     | 2.736    | ug/l   | 95       |
| 41) Bromodichloromethane     | 7.824  | 83    | 4038     | 2.556    | ug/l # | 94       |
| 42) Vinyl Acetate            | 3.721  | 43    | 35668    | 11.544   | ug/l   | 100      |

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 Operator : JC/MD  
 Sample : P1187-09 2.5PPB  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

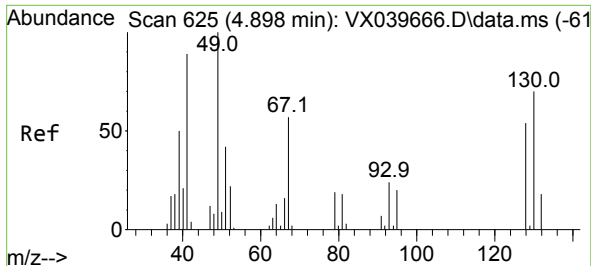
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 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT1-2024

Quant Time: Mar 07 04:34:09 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X030524W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Mar 05 13:21:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 43) Ethyl Acetate             | 4.715  | 43   | 3547     | 2.099  | ug/l # | 80       |
| 44) Isopropyl Acetate         | 6.342  | 43   | 6360     | 2.357  | ug/l   | 92       |
| 45) 1,4-Dioxane               | 7.659  | 88   | 1330     | 47.960 | ug/l # | 28       |
| 46) Methyl methacrylate       | 7.696  | 41   | 2995     | 2.235  | ug/l   | 96       |
| 47) n-amyl Acetate            | 10.841 | 43   | 4435     | 1.907  | ug/l   | 97       |
| 48) t-1,3-Dichloropropene     | 8.982  | 75   | 3761     | 2.252  | ug/l   | 93       |
| 49) cis-1,3-Dichloropropene   | 8.372  | 75   | 4167     | 2.450  | ug/l   | 97       |
| 50) 1,1,2-Trichloroethane     | 9.153  | 97   | 2552     | 2.419  | ug/l   | 91       |
| 51) Ethyl methacrylate        | 9.116  | 69   | 3614     | 2.176  | ug/l   | 81       |
| 52) 1,3-Dichloropropane       | 9.311  | 76   | 4826     | 2.681  | ug/l   | 97       |
| 53) Dibromochloromethane      | 9.519  | 129  | 2676     | 2.225  | ug/l   | 98       |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 2859     | 2.450  | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether | 8.244  | 63   | 11031    | 13.044 | ug/l   | 97       |
| 56) Bromoform                 | 10.799 | 173  | 1848     | 2.167  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone      | 8.574  | 43   | 20556    | 11.568 | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 16711    | 11.643 | ug/l   | 96       |
| 61) Tetrachloroethene         | 9.275  | 164  | 2534     | 2.675  | ug/l   | 93       |
| 62) Toluene                   | 8.720  | 91   | 11211    | 2.551  | ug/l   | 98       |
| 64) Chlorobenzene             | 10.079 | 112  | 6742     | 2.510  | ug/l   | 96       |
| 65) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 2587     | 2.525  | ug/l   | 96       |
| 66) Ethyl Benzene             | 10.195 | 91   | 12311    | 2.429  | ug/l   | 99       |
| 67) m/p-Xylenes               | 10.299 | 106  | 8612     | 4.602  | ug/l   | 90       |
| 68) o-Xylene                  | 10.640 | 106  | 4145     | 2.301  | ug/l   | 80       |
| 69) Styrene                   | 10.659 | 104  | 6822     | 2.254  | ug/l   | 96       |
| 70) Isopropylbenzene          | 10.963 | 105  | 11937    | 2.452  | ug/l   | 96       |
| 71) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 4449     | 2.607  | ug/l   | 95       |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 4542     | 2.958  | ug/l   | 100      |
| 73) Bromobenzene              | 11.195 | 156  | 2788     | 2.419  | ug/l   | 96       |
| 74) n-propylbenzene           | 11.305 | 91   | 14605    | 2.429  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 9632     | 2.700  | ug/l   | 94       |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 10304    | 2.404  | ug/l   | 97       |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 915      | 1.918  | ug/l   | 81       |
| 78) 4-Chlorotoluene           | 11.457 | 91   | 10223    | 2.402  | ug/l   | 100      |
| 79) tert-butylbenzene         | 11.713 | 119  | 9548     | 2.387  | ug/l   | 96       |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 9474     | 2.244  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 11.890 | 105  | 12375    | 2.343  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 12.006 | 119  | 9782     | 2.263  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 5632     | 2.512  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 12.042 | 146  | 5976     | 2.606  | ug/l   | 97       |
| 85) n-Butylbenzene            | 12.335 | 91   | 9295     | 2.210  | ug/l   | 97       |
| 86) Hexachloroethane          | 12.536 | 117  | 1458     | 1.933  | ug/l   | 77       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 5356     | 2.458  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 917      | 2.010  | ug/l   | 97       |
| 89) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 3697     | 2.520  | ug/l   | 97       |
| 90) Hexachlorobutadiene       | 13.719 | 225  | 1599     | 2.695  | ug/l   | 98       |
| 91) Naphthalene               | 13.774 | 128  | 10249    | 2.142  | ug/l   | 98       |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 3426     | 2.368  | ug/l   | 98       |

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

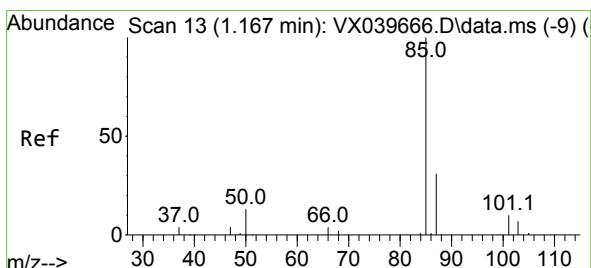
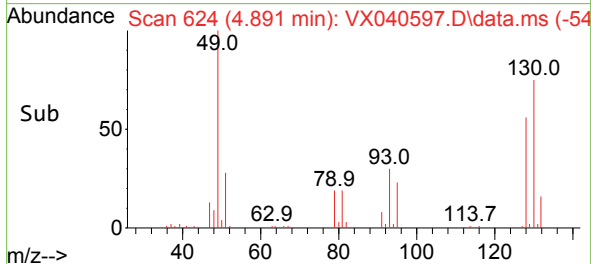
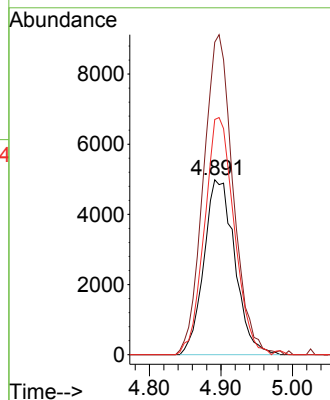
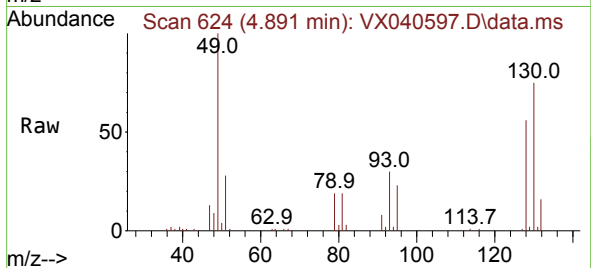




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.891 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

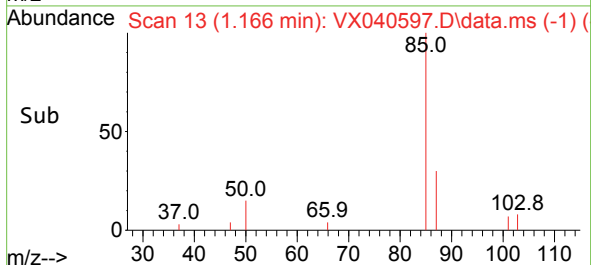
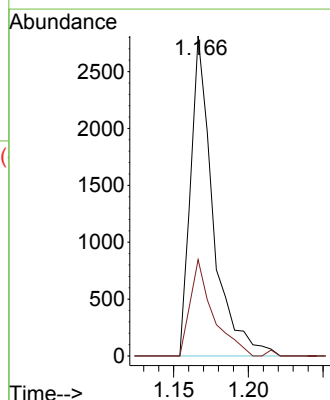
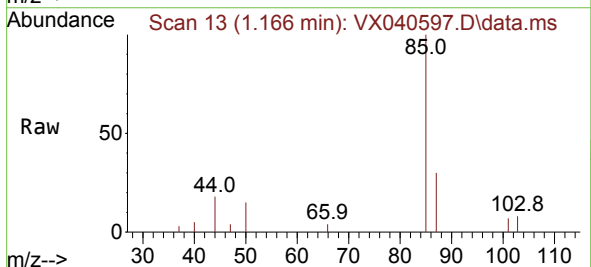
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

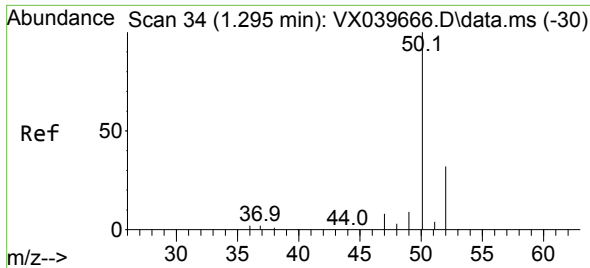
Tgt Ion:128 Resp: 14963  
Ion Ratio Lower Upper  
128 100  
49 175.8 0.0 444.0  
130 130.9 0.0 297.8



#2  
Dichlorodifluoromethane  
Concen: 2.892 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.001 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 85 Resp: 2935  
Ion Ratio Lower Upper  
85 100  
87 30.1 16.7 50.1

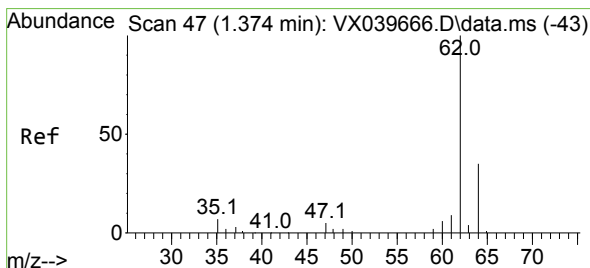
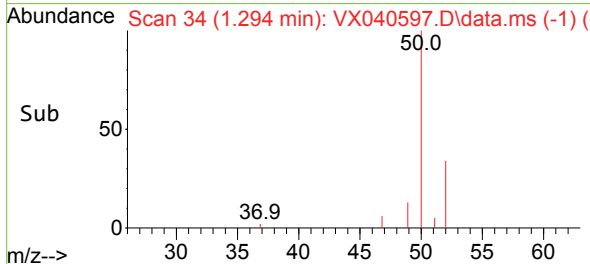
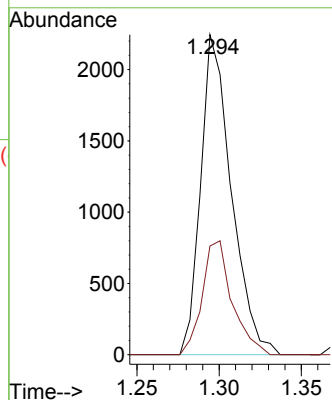
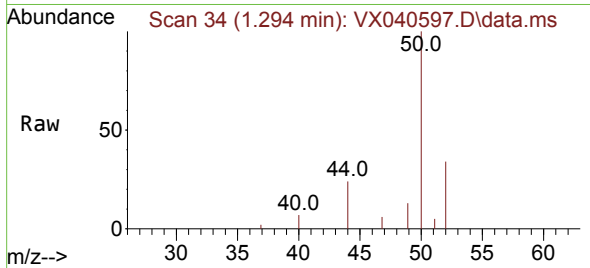




#3  
Chloromethane  
Concen: 2.799 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.001 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

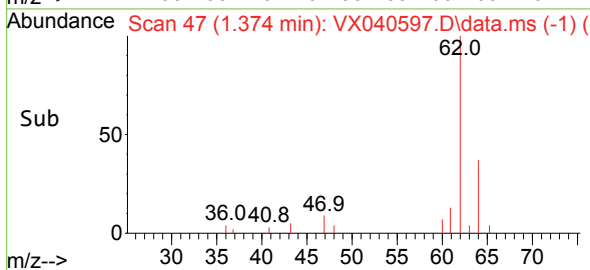
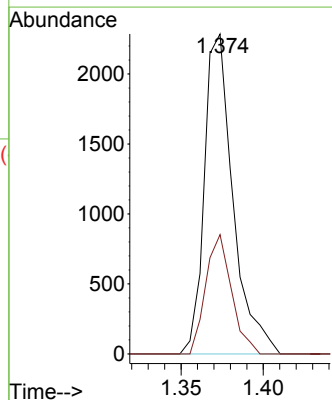
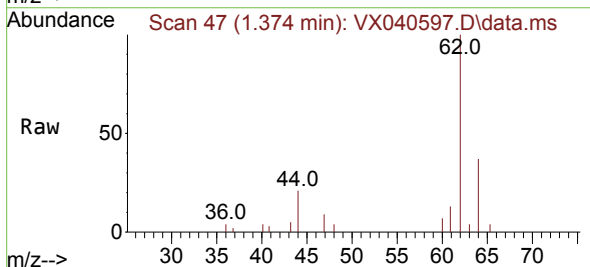
Instrument : MSVOA\_X  
ClientSampleId : MDL-WATER-03-QT1-2024

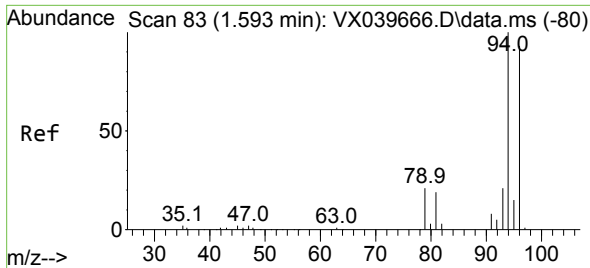
Tgt Ion: 50 Resp: 2910  
Ion Ratio Lower Upper  
50 100  
52 33.9 27.8 41.8



#4  
Vinyl Chloride  
Concen: 2.462 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 62 Resp: 2767  
Ion Ratio Lower Upper  
62 100  
64 37.3 26.3 39.5

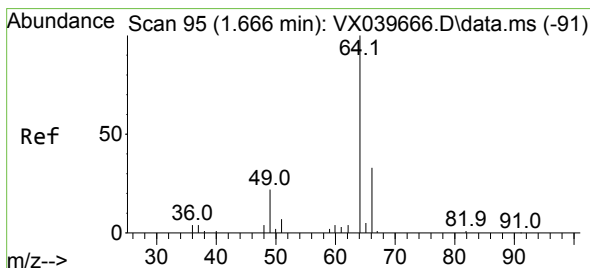
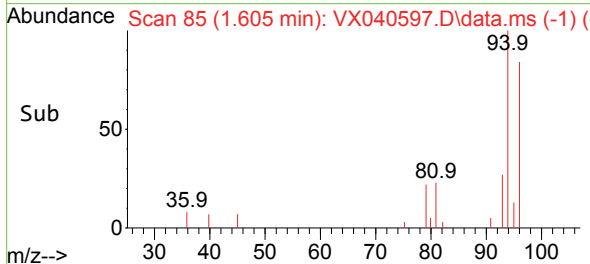
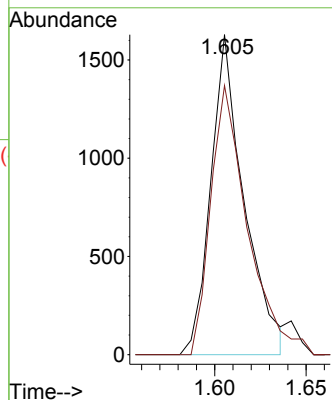
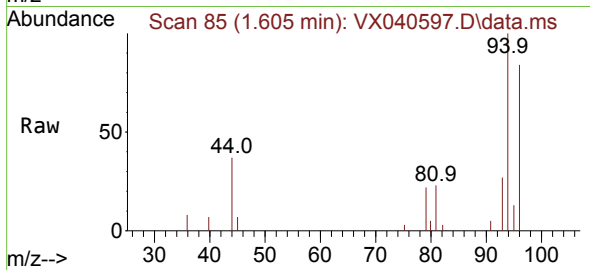




#5  
Bromomethane  
Concen: 3.010 ug/l  
RT: 1.605 min Scan# 81  
Delta R.T. 0.012 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

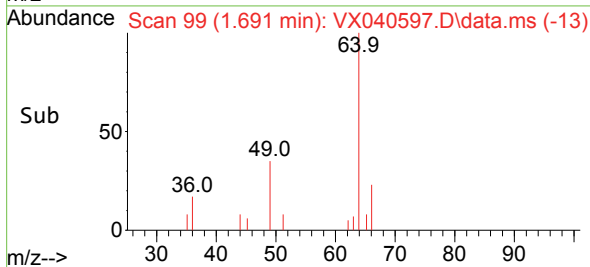
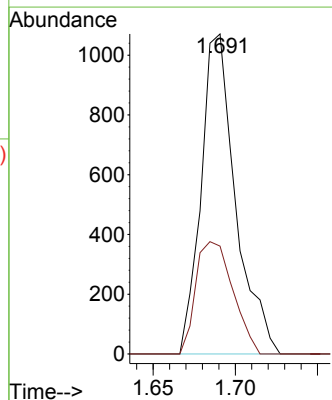
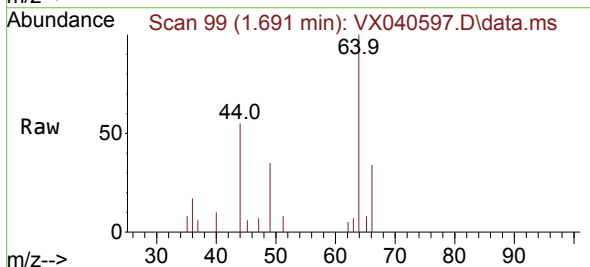
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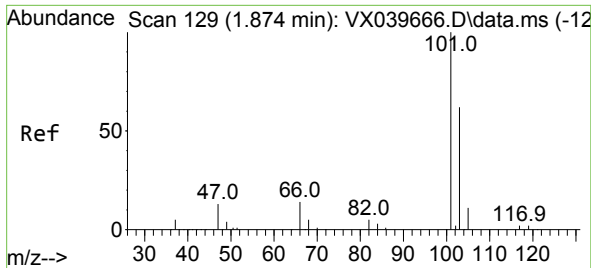
Tgt Ion: 94 Resp: 2066  
Ion Ratio Lower Upper  
94 100  
96 84.1 74.9 112.3



#6  
Chloroethane  
Concen: 2.369 ug/l  
RT: 1.691 min Scan# 99  
Delta R.T. 0.025 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 64 Resp: 1564  
Ion Ratio Lower Upper  
64 100  
66 33.7 25.0 37.6

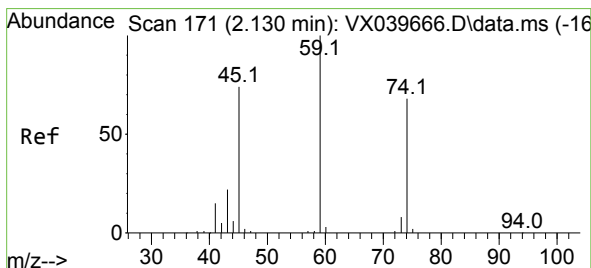
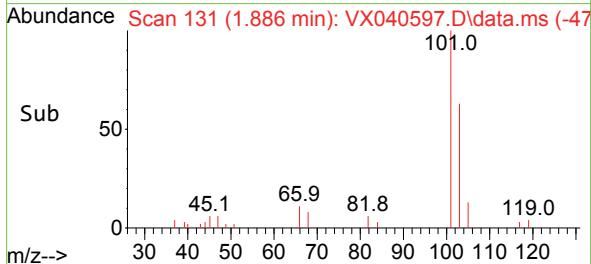
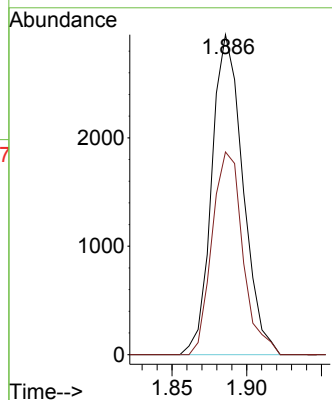
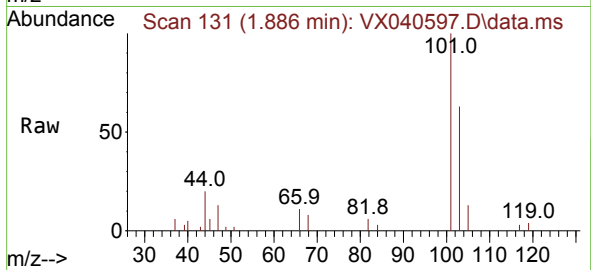




#7  
Trichlorofluoromethane  
Concen: 2.499 ug/l  
RT: 1.886 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

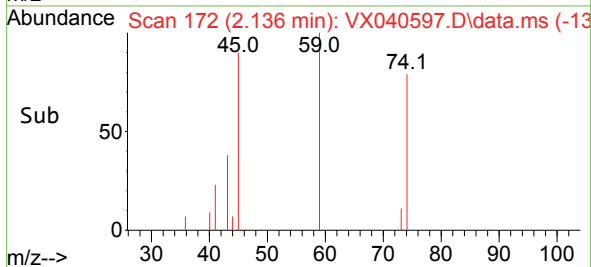
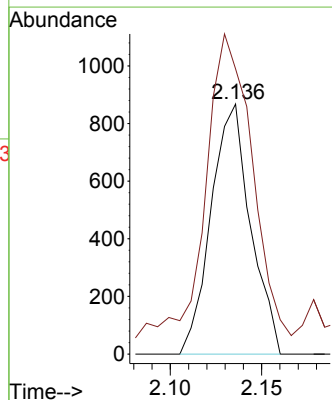
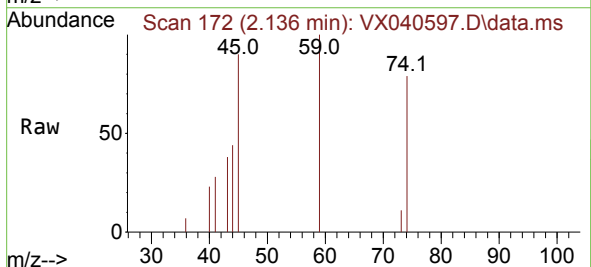
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

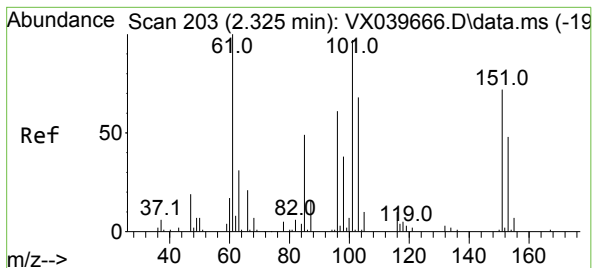
Tgt Ion:101 Resp: 4276  
Ion Ratio Lower Upper  
101 100  
103 63.3 49.1 73.7



#8  
Diethyl Ether  
Concen: 2.248 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 74 Resp: 1306  
Ion Ratio Lower Upper  
74 100  
45 141.5 20.5 184.5

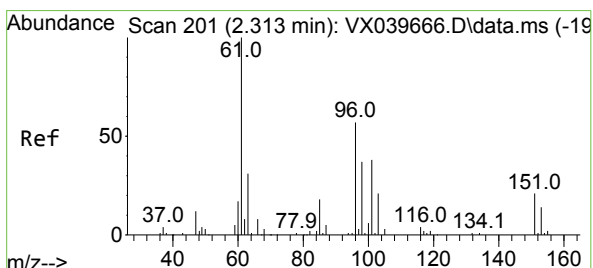
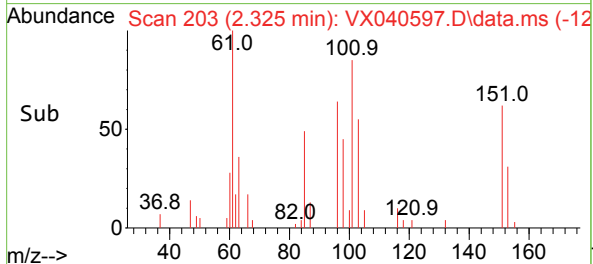
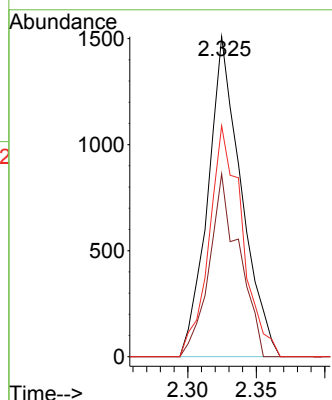
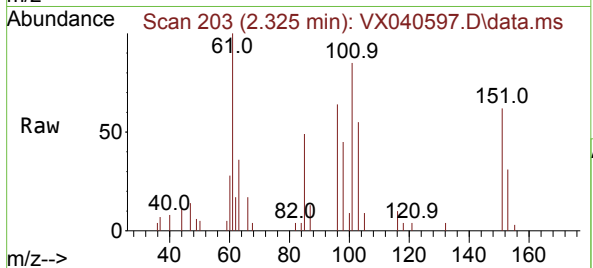




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.726 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. -0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

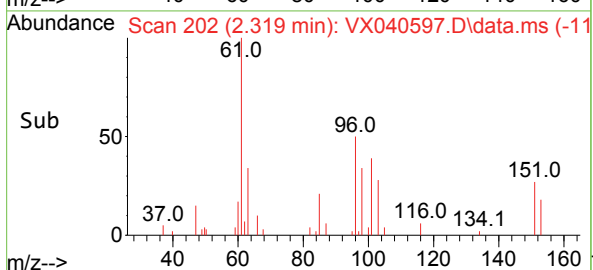
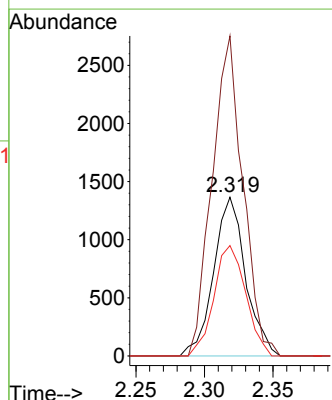
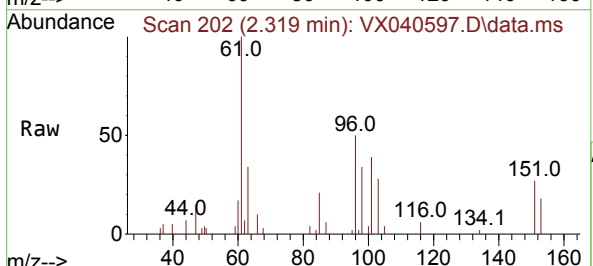
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:101 | Resp: | 2555        |
| Ion         | Ratio | Lower Upper |
| 101         | 100   |             |
| 85          | 51.2  | 0.0 95.2    |
| 151         | 71.6  | 0.0 136.8   |

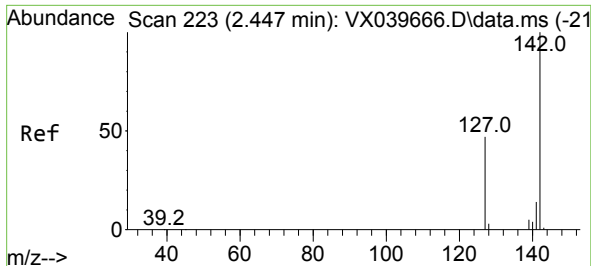


#10  
1,1-Dichloroethene  
Concen: 2.482 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 96 | Resp: | 2215        |
| Ion         | Ratio | Lower Upper |
| 96          | 100   |             |
| 61          | 201.7 | 138.3 207.5 |
| 98          | 69.5  | 49.8 74.6   |

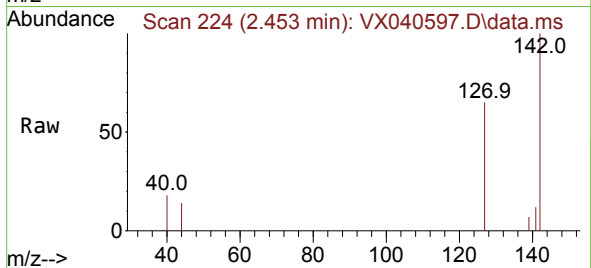




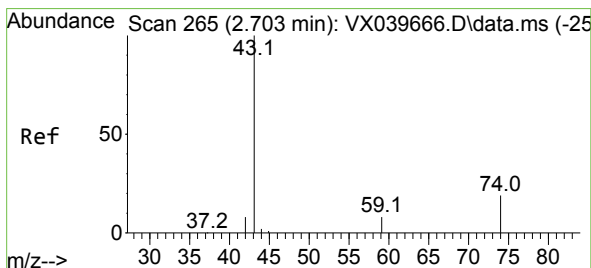
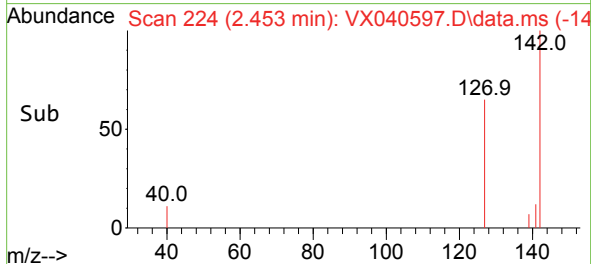
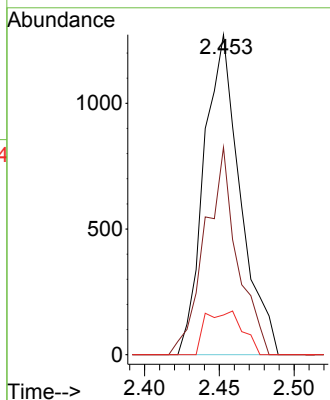


#11  
Methyl Iodide  
Concen: 1.987 ug/l  
RT: 2.453 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

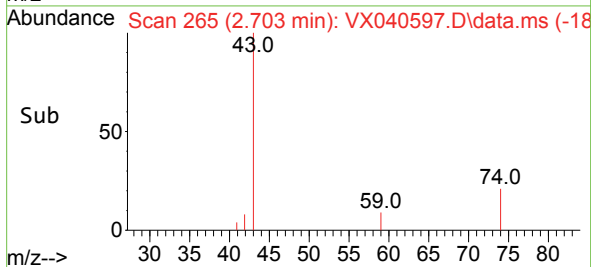
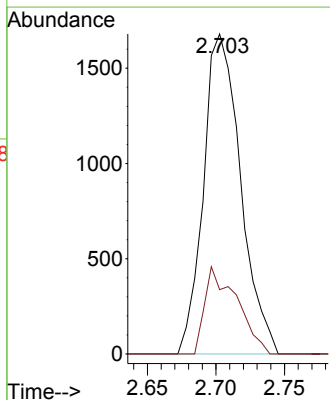
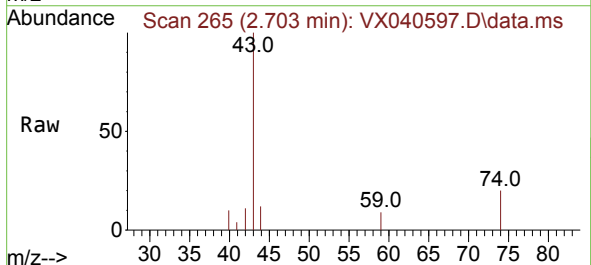


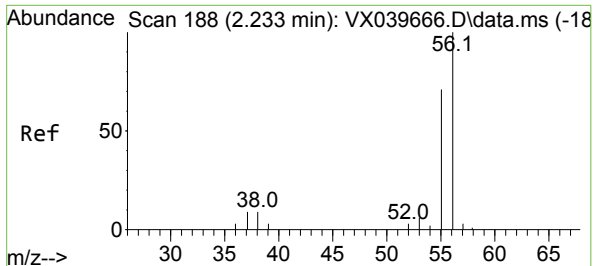
Tgt Ion:142 Resp: 2144  
Ion Ratio Lower Upper  
142 100  
127 62.7 23.8 71.4  
141 12.4 6.9 20.6



#12  
Methyl Acetate  
Concen: 2.154 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 43 Resp: 3166  
Ion Ratio Lower Upper  
43 100  
74 20.1 17.8 26.6





#13

Acrolein

Concen: 13.454 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

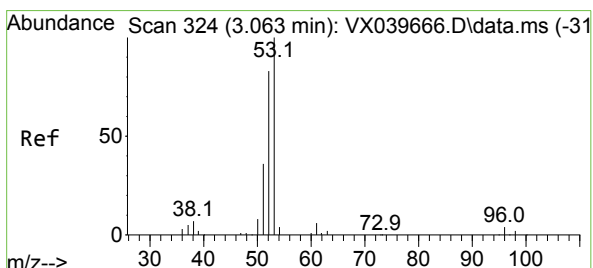
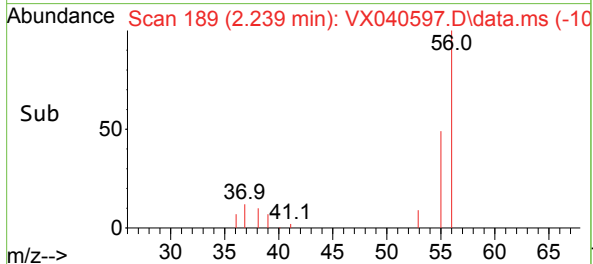
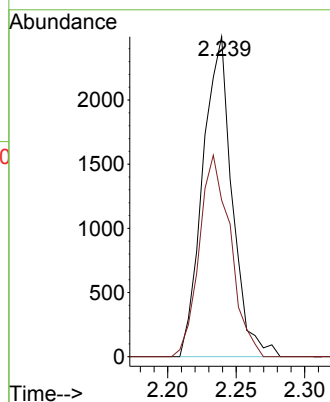
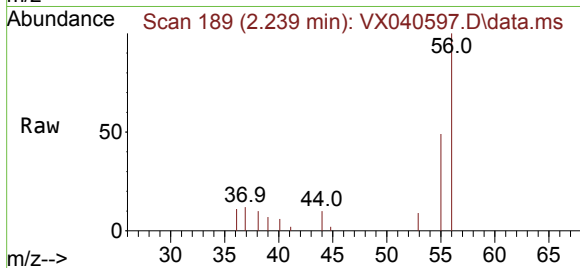
MDL-WATER-03-QT1-2024

Tgt Ion: 56 Resp: 3728

Ion Ratio Lower Upper

56 100

55 66.6 57.2 85.8



#14

Acrylonitrile

Concen: 12.530 ug/l

RT: 3.062 min Scan# 324

Delta R.T. -0.001 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

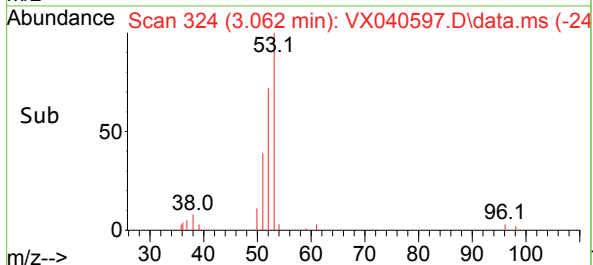
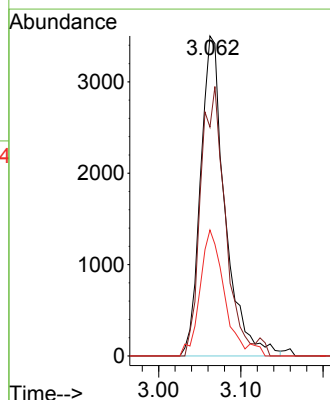
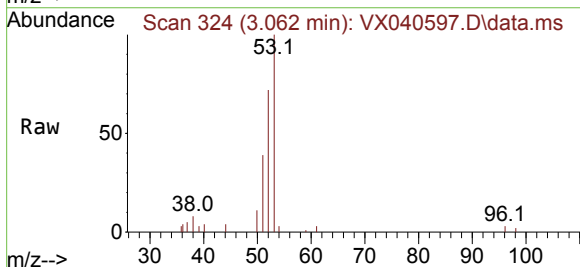
Tgt Ion: 53 Resp: 7252

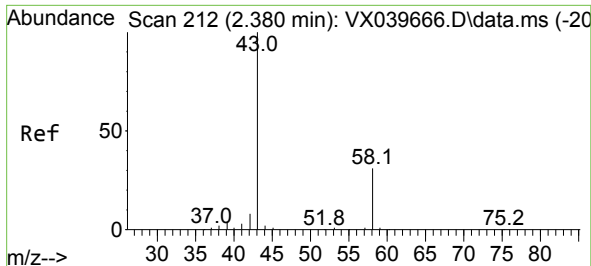
Ion Ratio Lower Upper

53 100

52 84.2 41.9 125.6

51 37.9 18.3 54.9





#15

Acetone

Concen: 13.890 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.007 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

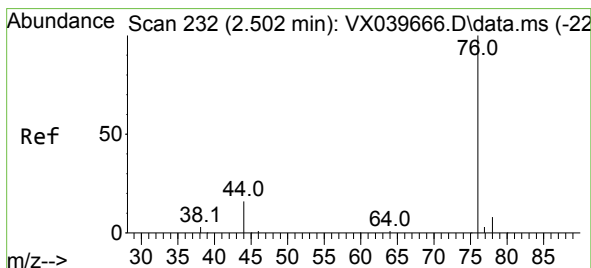
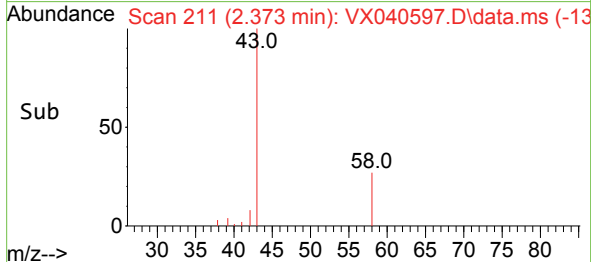
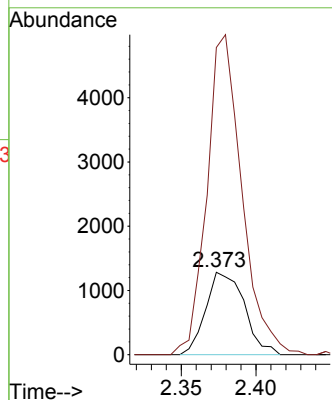
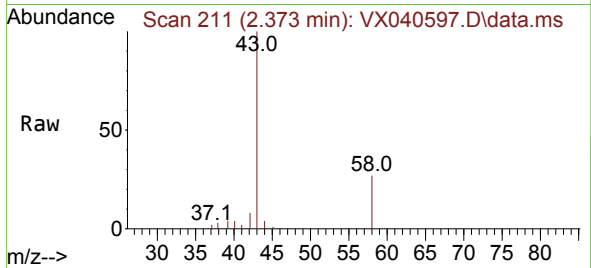
MDL-WATER-03-QT1-2024

Tgt Ion: 58 Resp: 2298

Ion Ratio Lower Upper

58 100

43 361.4 249.9 374.9



#16

Carbon Disulfide

Concen: 2.662 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.006 min

Lab File: VX040597.D

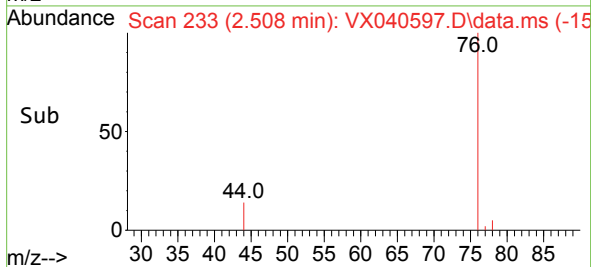
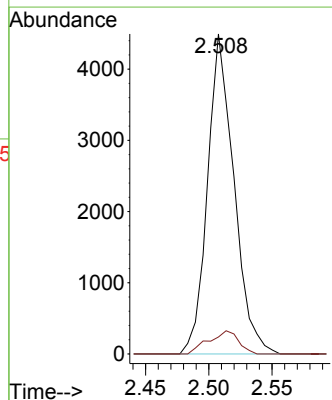
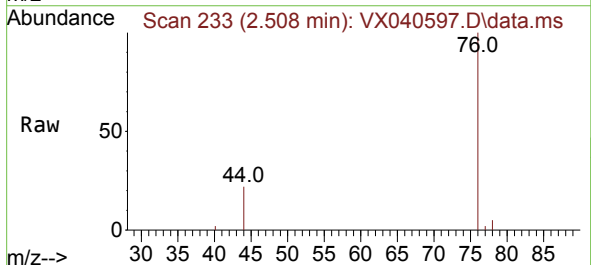
Acq: 06 Mar 2024 10:58

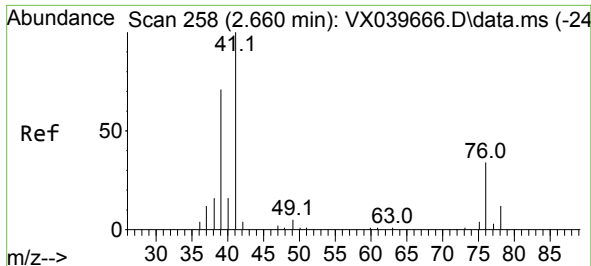
Tgt Ion: 76 Resp: 6528

Ion Ratio Lower Upper

76 100

78 5.3 8.0 12.0#





#17

Allyl chloride

Concen: 2.482 ug/l

RT: 2.666 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT1-2024

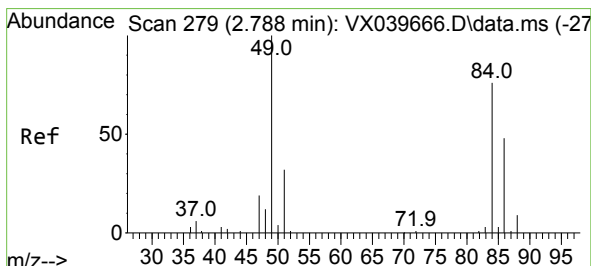
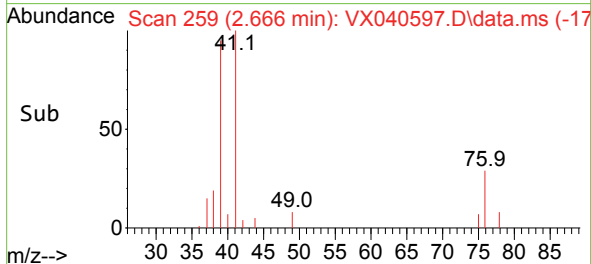
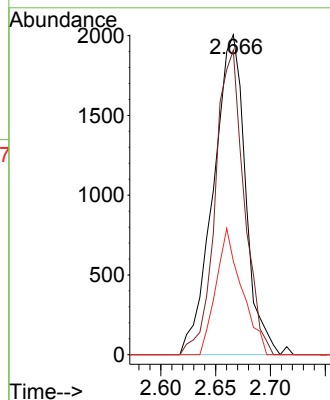
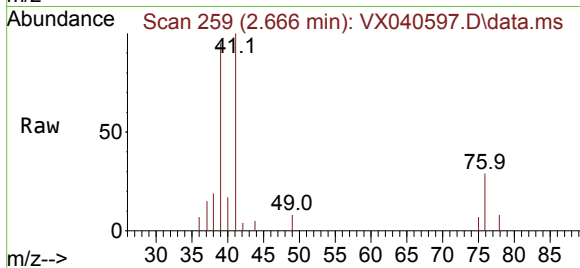
Tgt Ion: 41 Resp: 4087

Ion Ratio Lower Upper

41 100

39 95.1 36.5 109.5

76 29.3 19.7 59.0



#18

Methylene Chloride

Concen: 2.665 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Tgt Ion: 84 Resp: 2715

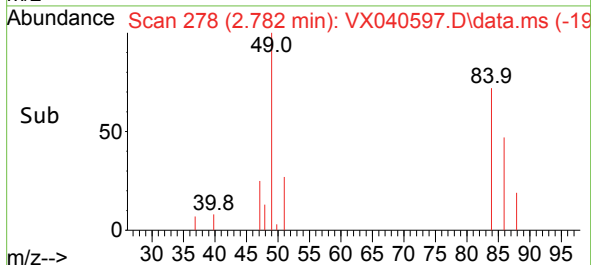
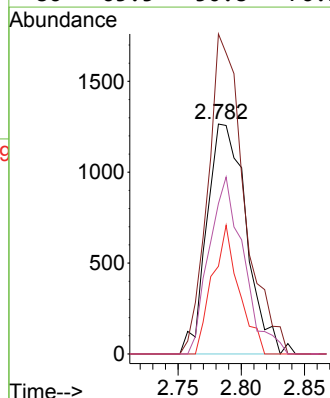
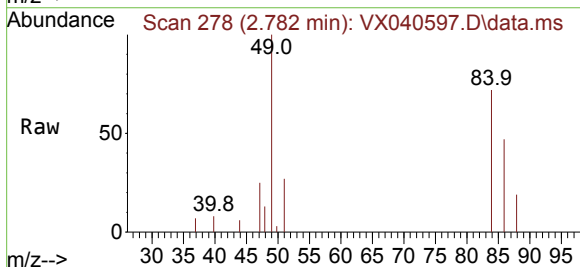
Ion Ratio Lower Upper

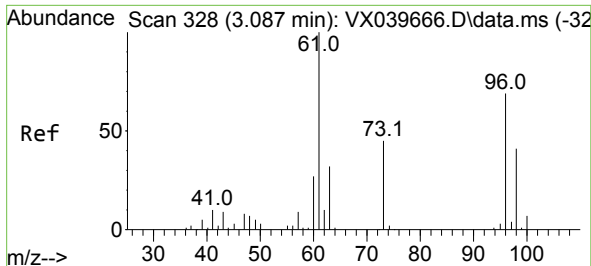
84 100

49 139.2 103.8 155.8

51 38.1 31.8 47.6

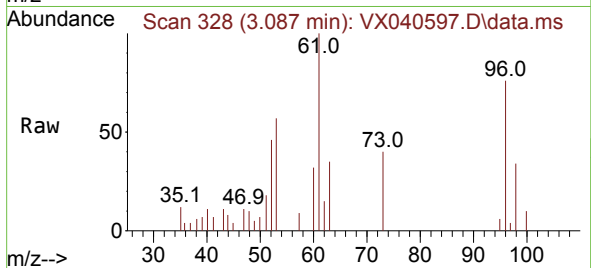
86 65.5 50.8 76.2



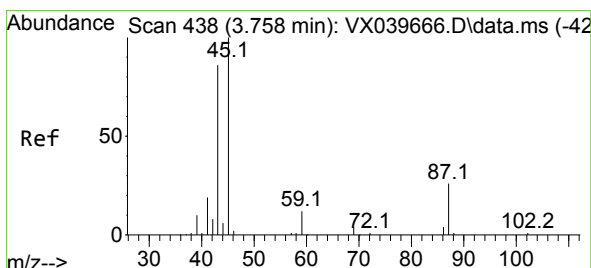
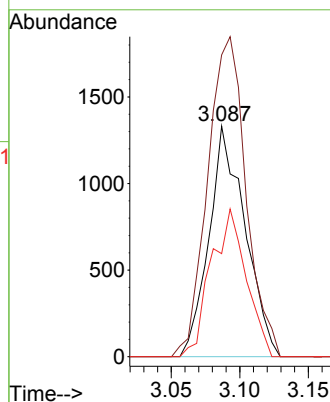
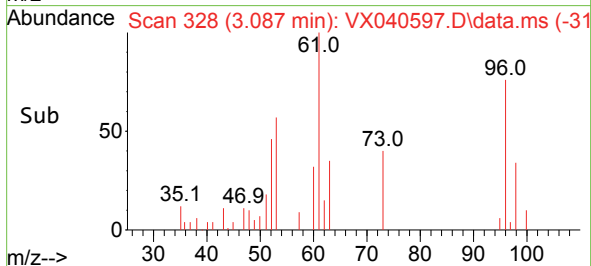


#19  
trans-1,2-Dichloroethene  
Concen: 2.503 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

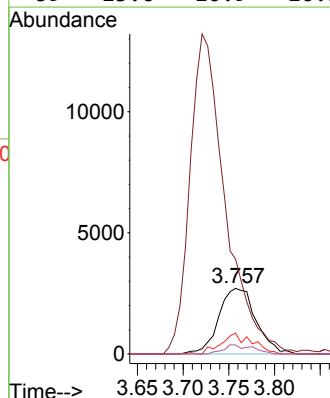
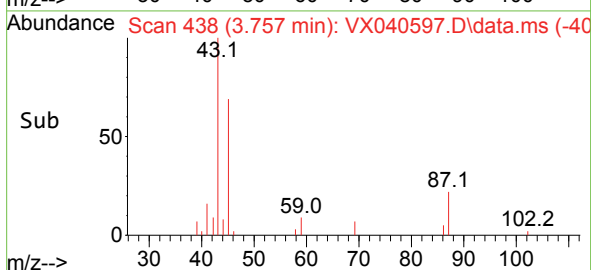
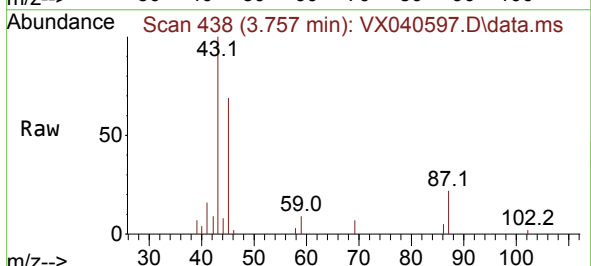


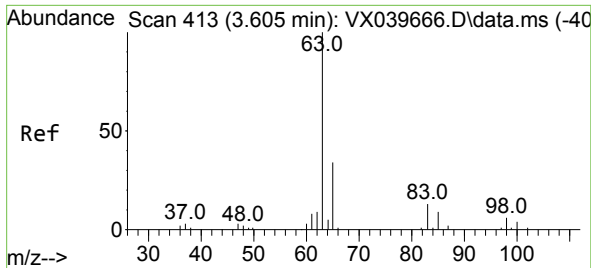
Tgt Ion: 96 Resp: 2438  
Ion Ratio Lower Upper  
96 100  
61 130.9 117.9 176.9  
98 44.7 51.0 76.6#



#20  
Diisopropyl ether  
Concen: 2.308 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.001 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 45 Resp: 7602  
Ion Ratio Lower Upper  
45 100  
43 134.2 67.7 101.5#  
87 31.6 21.5 32.3  
59 13.6 10.9 16.3

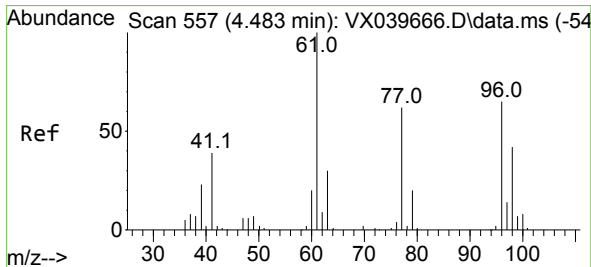
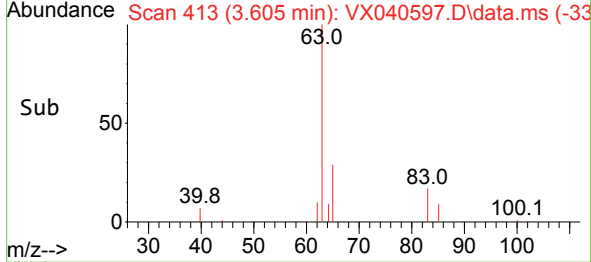
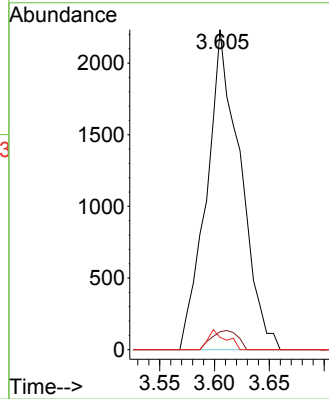
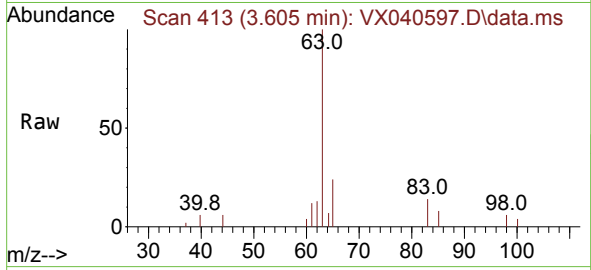




#21  
1,1-Dichloroethane  
Concen: 2.522 ug/l  
RT: 3.605 min Scan# 413  
Delta R.T. -0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

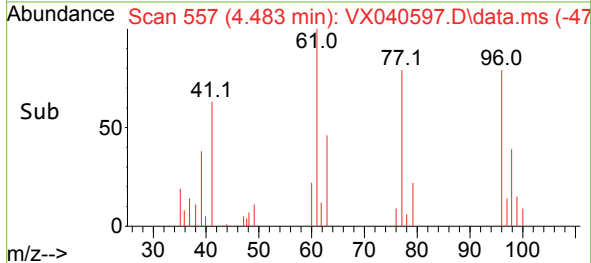
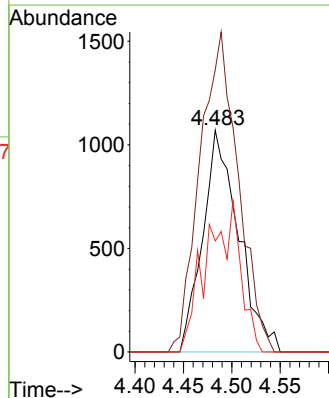
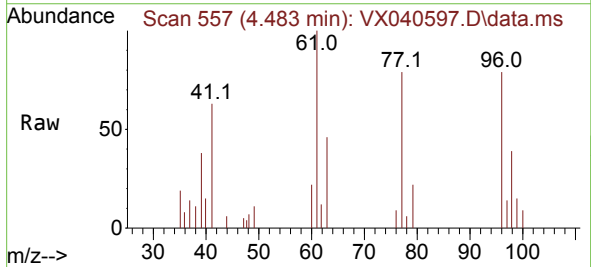
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

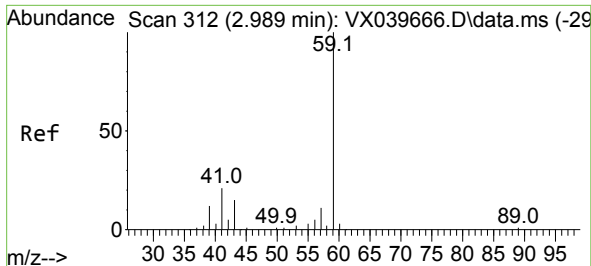
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 4780  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 5.6   | 2.9   | 8.8   |
| 100      | 3.9   | 2.0   | 5.8   |



#22  
cis-1,2-Dichloroethene  
Concen: 2.443 ug/l  
RT: 4.483 min Scan# 557  
Delta R.T. -0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 2764  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 154.2 | 119.8 | 179.6 |
| 98       | 42.5  | 50.9  | 76.3  |

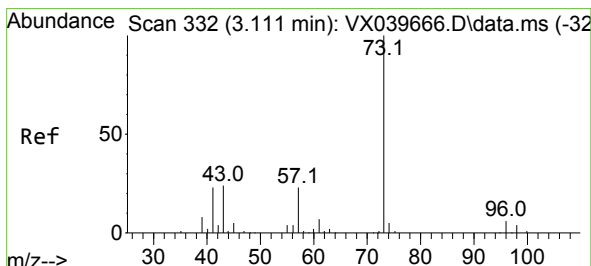
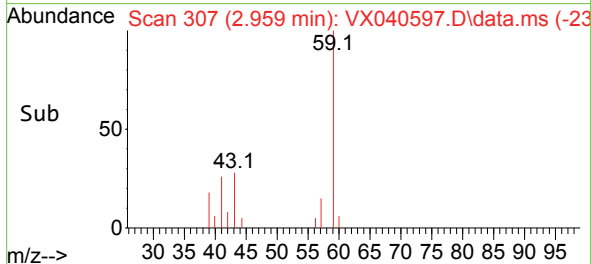
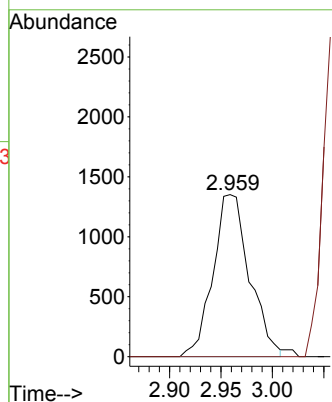
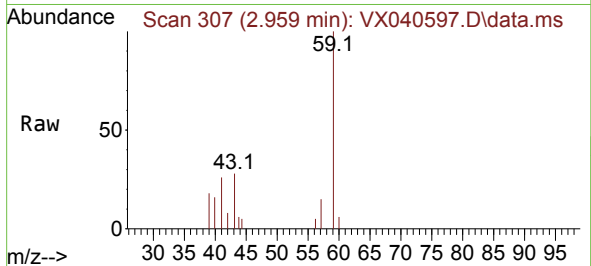




#23  
tert-Butyl Alcohol  
Concen: 12.225 ug/l  
RT: 2.959 min Scan# 307  
Delta R.T. -0.030 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

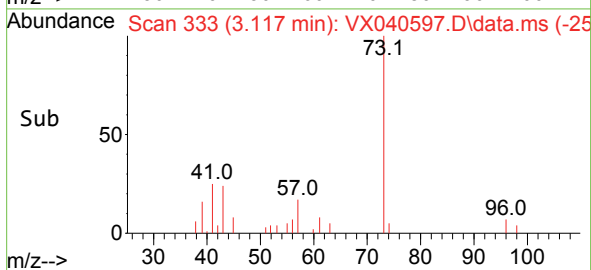
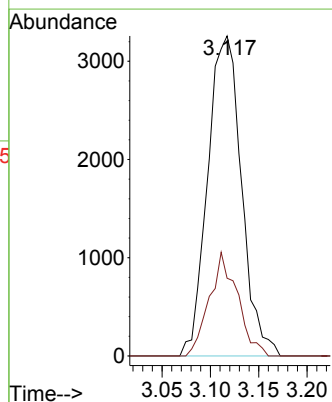
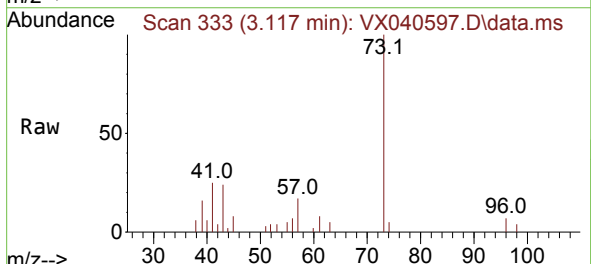
Instrument : MSVOA\_X  
ClientSampleId : MDL-WATER-03-QT1-2024

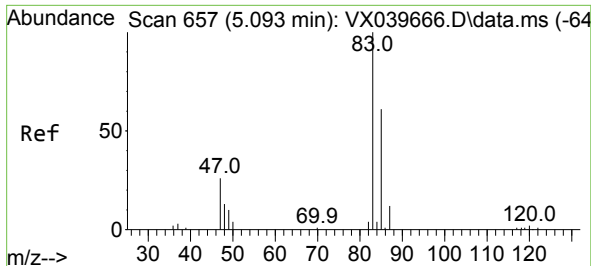
Tgt Ion: 59 Resp: 3343  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 2.402 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 73 Resp: 7909  
Ion Ratio Lower Upper  
73 100  
43 27.0 17.0 25.6#

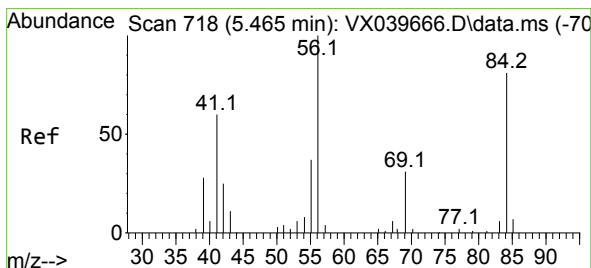
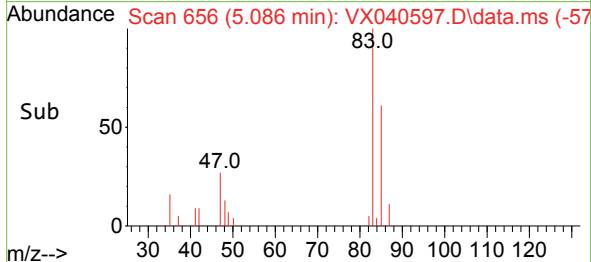
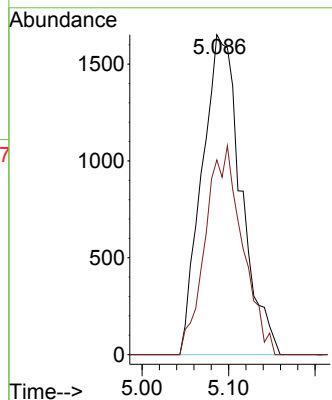
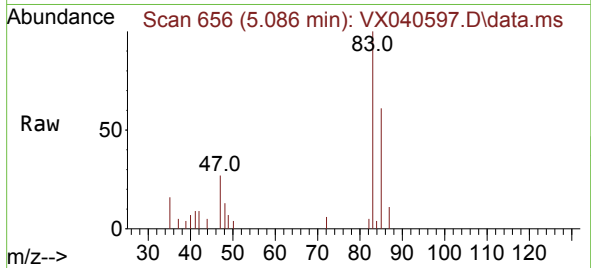




#25  
Chloroform  
Concen: 2.495 ug/l  
RT: 5.086 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

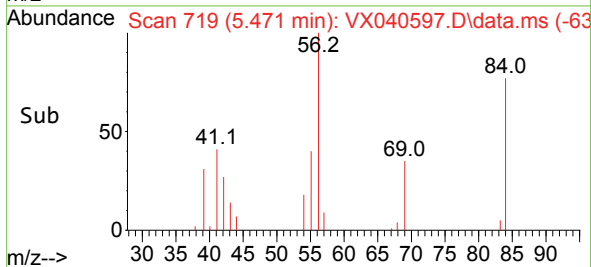
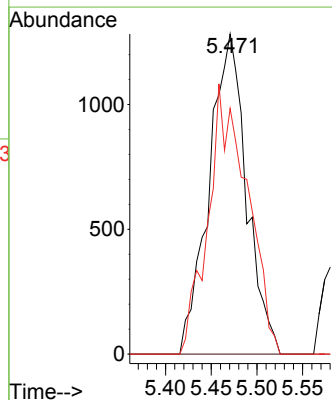
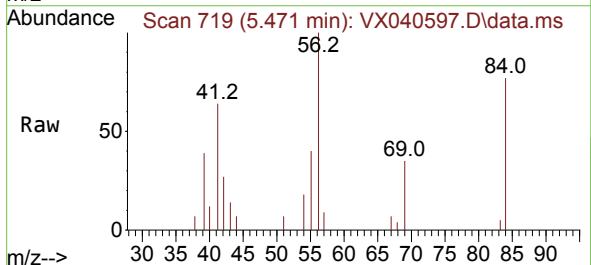
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

Tgt Ion: 83 Resp: 5174  
Ion Ratio Lower Upper  
83 100  
85 60.8 54.6 81.8

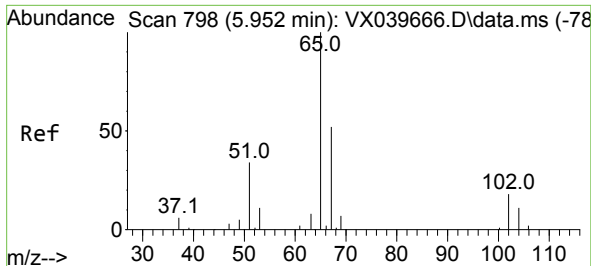


#26  
Cyclohexane  
Concen: 2.387 ug/l  
RT: 5.471 min Scan# 719  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 56 Resp: 3651  
Ion Ratio Lower Upper  
56 100  
89 0.5 0.0 0.0#  
84 19.2 67.2 100.8#







#27

1,2-Dichloroethane-d4

Concen: 29.789 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

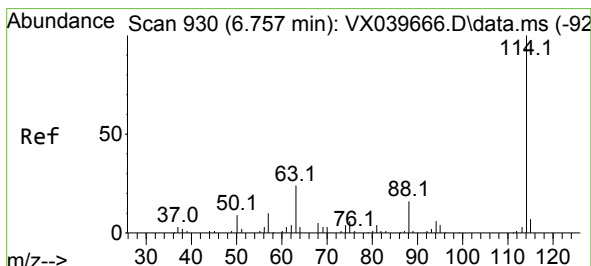
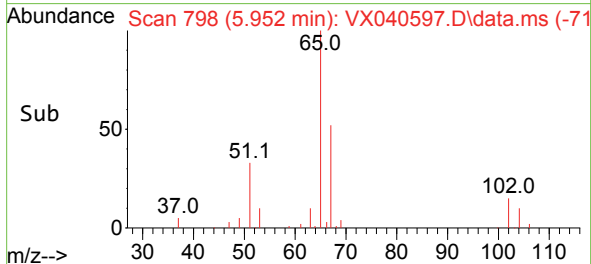
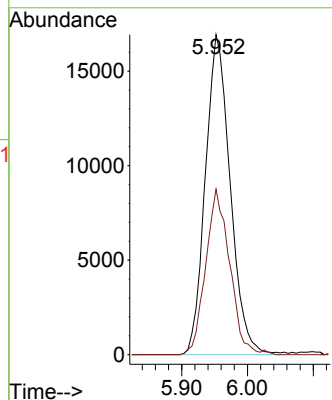
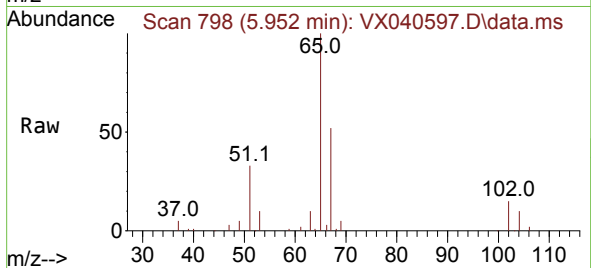
MDL-WATER-03-QT1-2024

Tgt Ion: 65 Resp: 44517

Ion Ratio Lower Upper

65 100

67 49.7 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

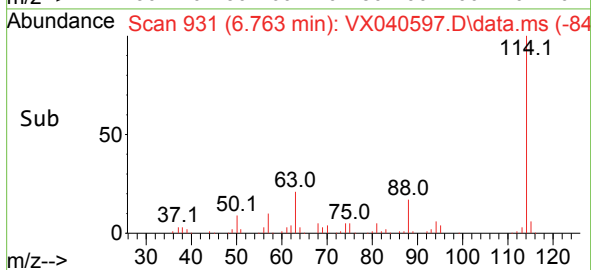
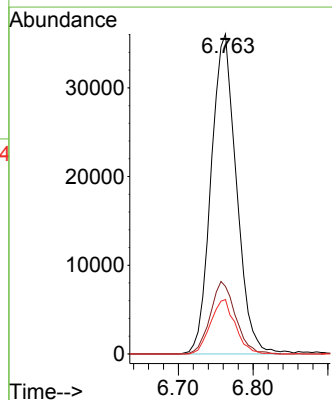
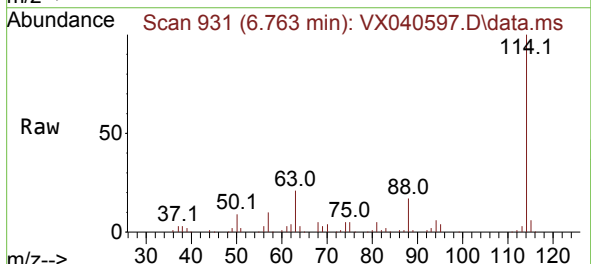
Tgt Ion: 114 Resp: 84961

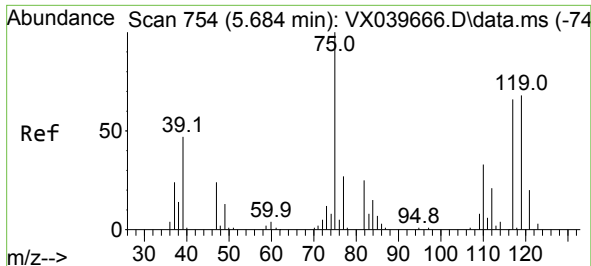
Ion Ratio Lower Upper

114 100

63 22.3 17.0 25.4

88 16.6 12.7 19.1





#29

1,1-Dichloropropene

Concen: 1.896 ug/l

RT: 5.684 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT1-2024

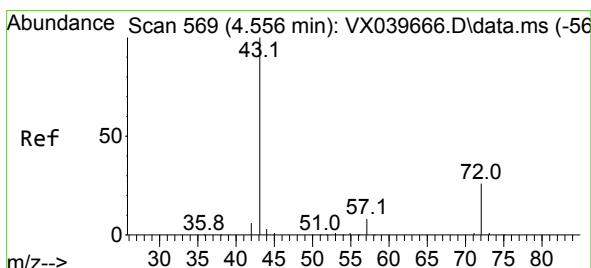
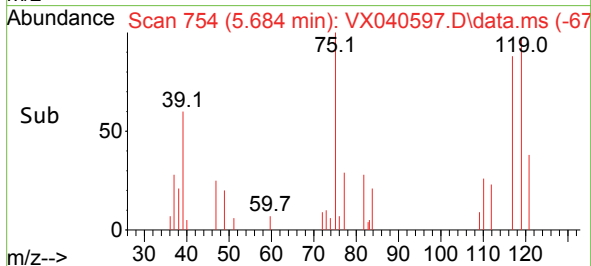
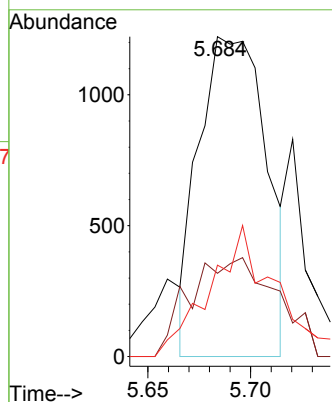
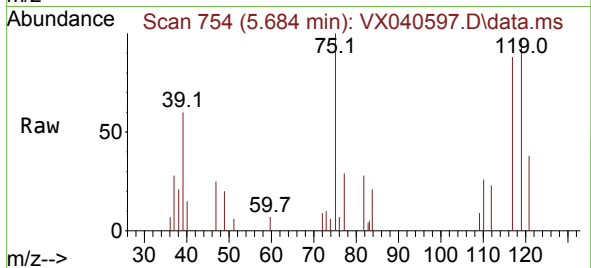
Tgt Ion: 75 Resp: 2789

Ion Ratio Lower Upper

75 100

110 15.8 0.0 71.2

77 0.0 0.0 62.6



#30

2-Butanone

Concen: 12.233 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

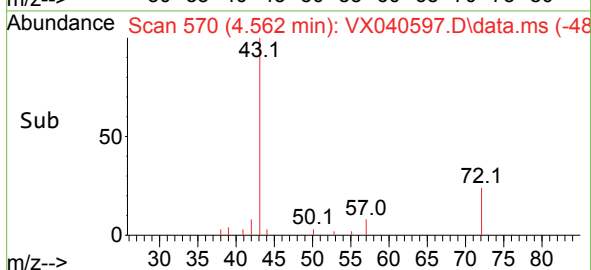
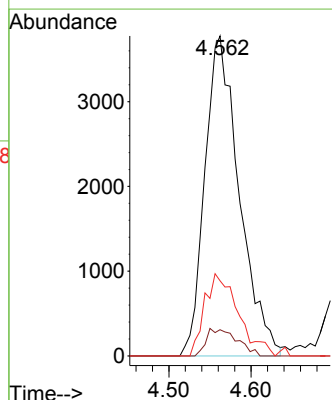
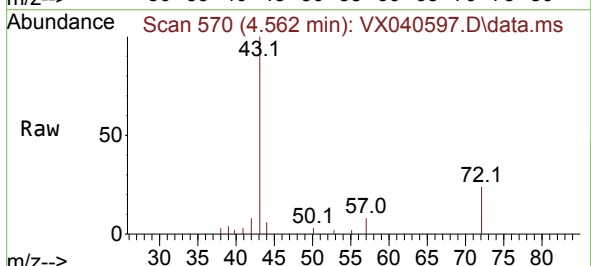
Tgt Ion: 43 Resp: 10978

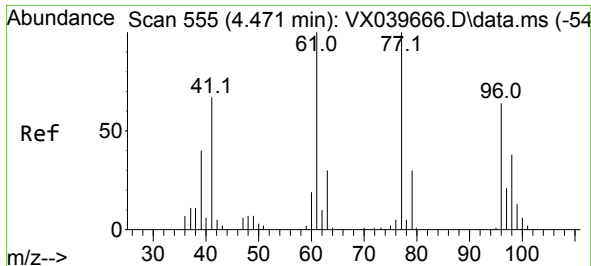
Ion Ratio Lower Upper

43 100

57 2.7 6.6 10.0#

72 23.2 20.6 31.0

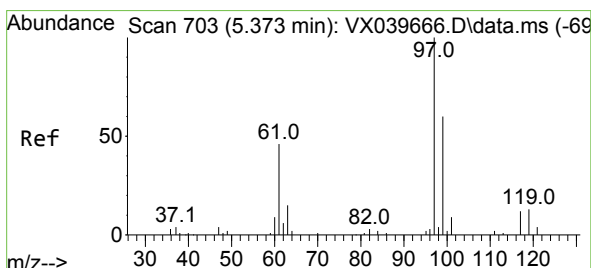
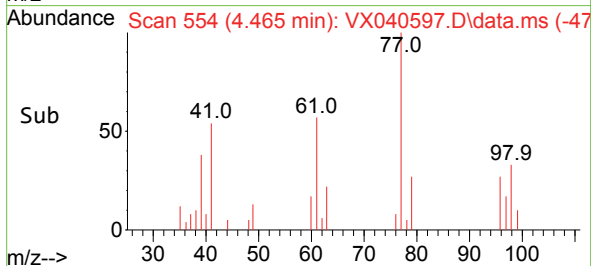
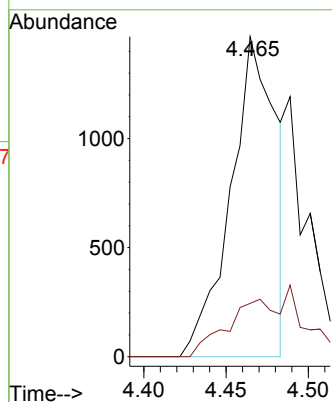
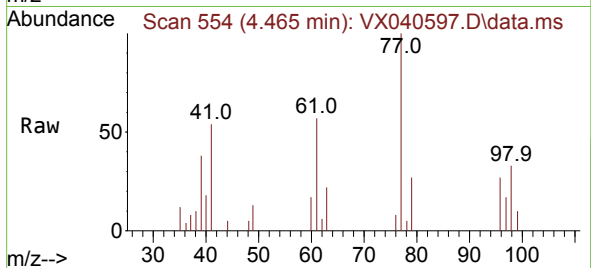




#31  
2,2-Dichloropropane  
Concen: 1.763 ug/l  
RT: 4.465 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

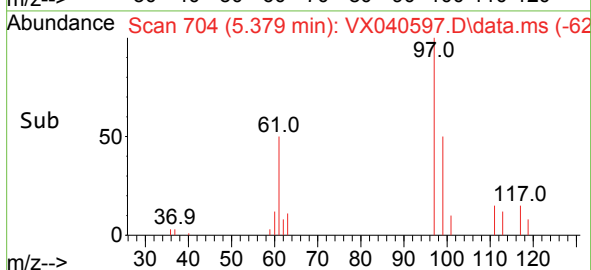
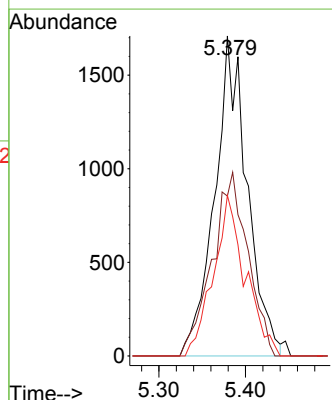
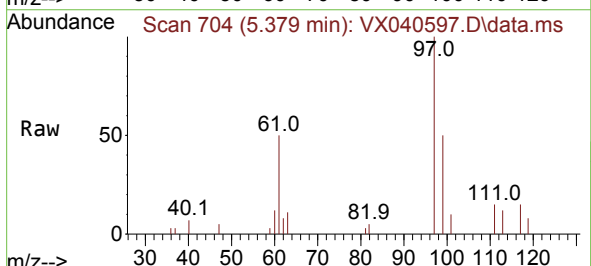
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

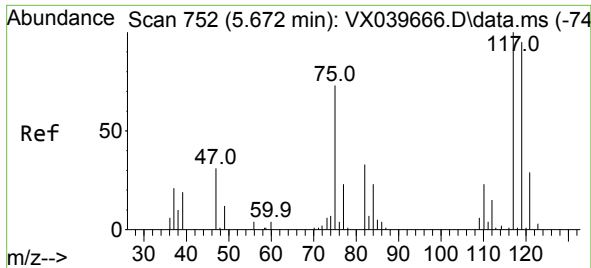
Tgt Ion: 77 Resp: 2798  
Ion Ratio Lower Upper  
77 100  
97 14.9 18.2 27.4#



#32  
1,1,1-Trichloroethane  
Concen: 2.402 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 97 Resp: 4451  
Ion Ratio Lower Upper  
97 100  
99 63.1 52.6 79.0  
61 39.3 36.9 55.3

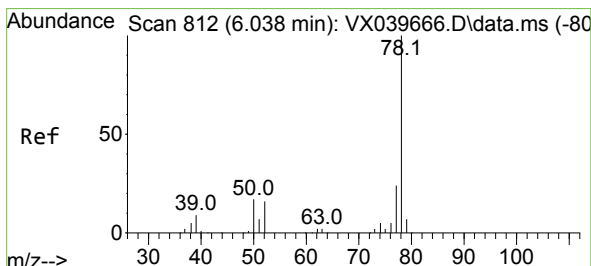
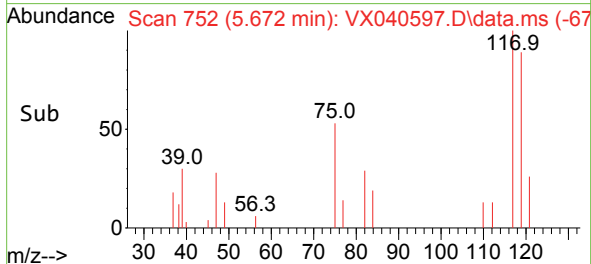
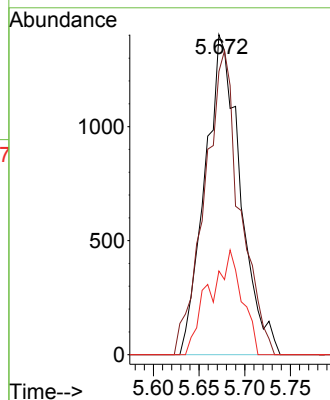
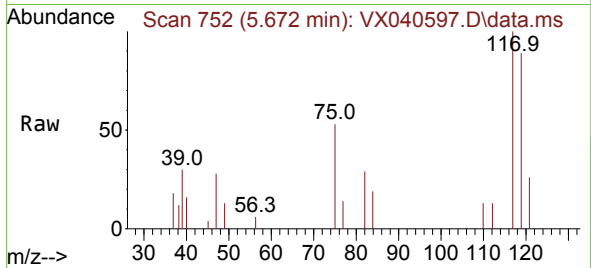




#33  
Carbon Tetrachloride  
Concen: 2.414 ug/l  
RT: 5.672 min Scan# 752  
Delta R.T. -0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

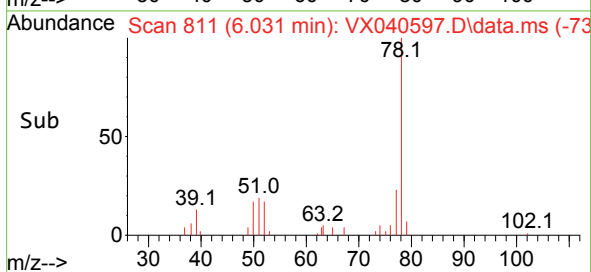
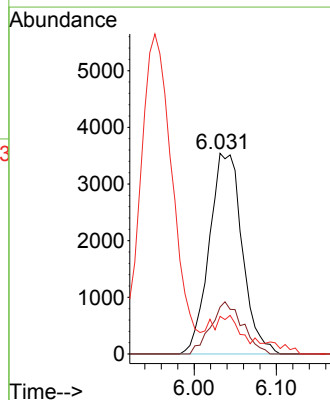
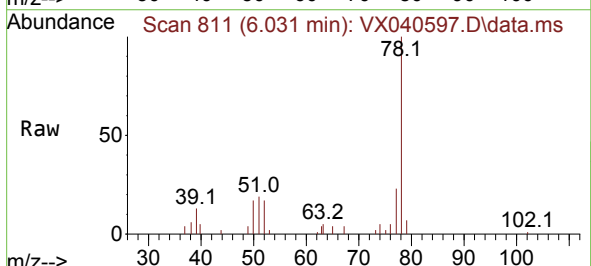
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

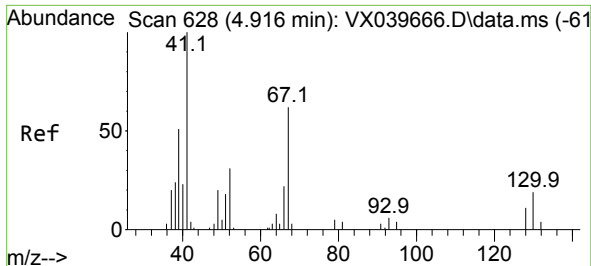
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 3763  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 88.5  | 78.2  | 117.4 |
| 121      | 26.2  | 24.7  | 37.1  |



#34  
Benzene  
Concen: 2.487 ug/l  
RT: 6.031 min Scan# 811  
Delta R.T. -0.007 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 9872  |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 23.4  | 19.3  | 28.9  |
| 51       | 16.0  | 14.4  | 21.6  |

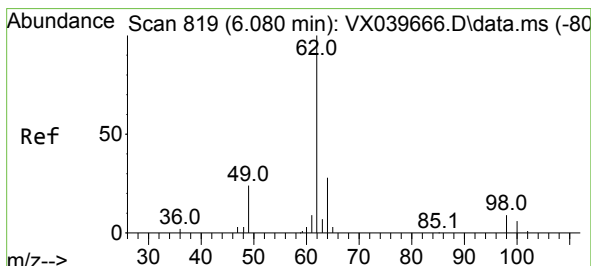
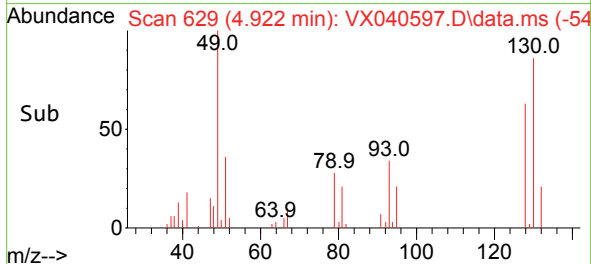
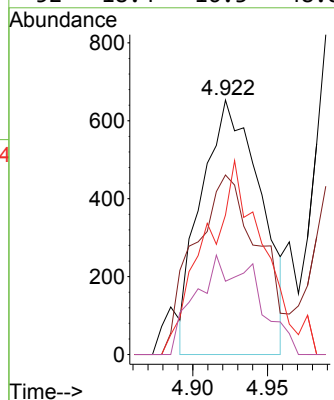
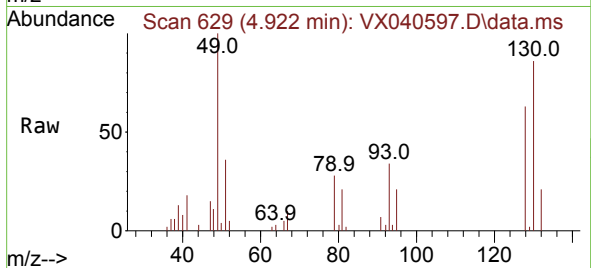




#35  
Methacrylonitrile  
Concen: 1.965 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

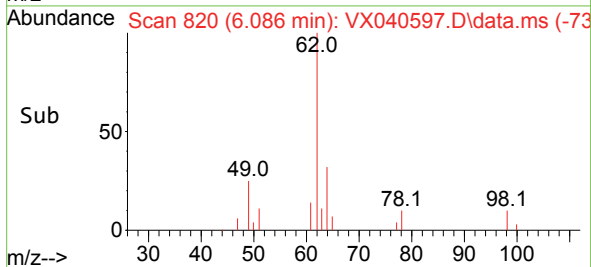
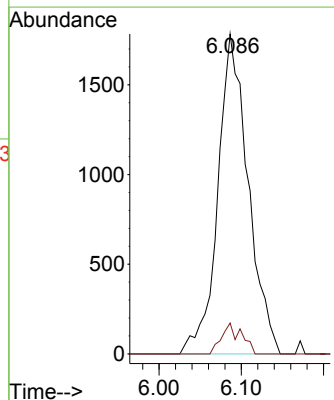
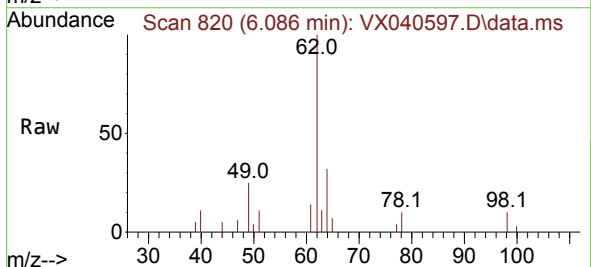
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

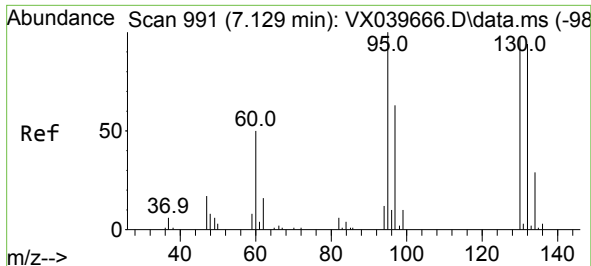
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 1810  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 62.8  | 28.2  | 84.7  |
| 67       | 46.7  | 34.5  | 103.5 |
| 52       | 18.4  | 16.3  | 48.8  |



#36  
1,2-Dichloroethane  
Concen: 2.489 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 4568  |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 4.0   | 7.0   | 10.4# |





#37

Trichloroethene

Concen: 2.647 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

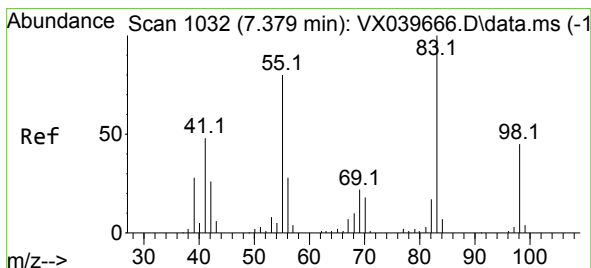
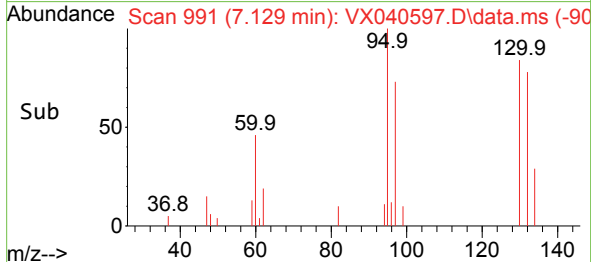
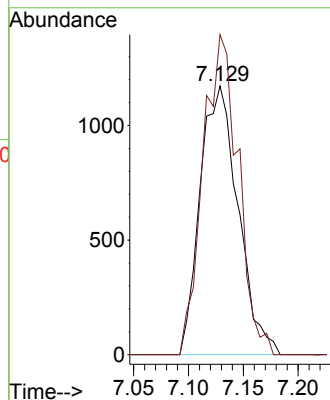
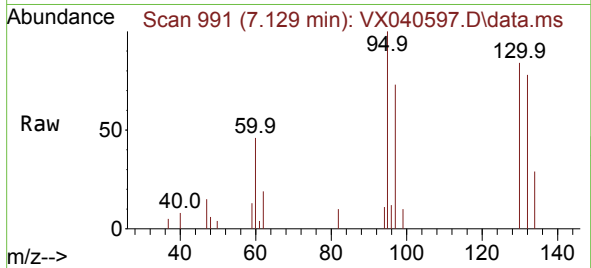
MDL-WATER-03-QT1-2024

Tgt Ion:130 Resp: 2824

Ion Ratio Lower Upper

130 100

95 119.1 85.8 128.8



#38

Methylcyclohexane

Concen: 2.403 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

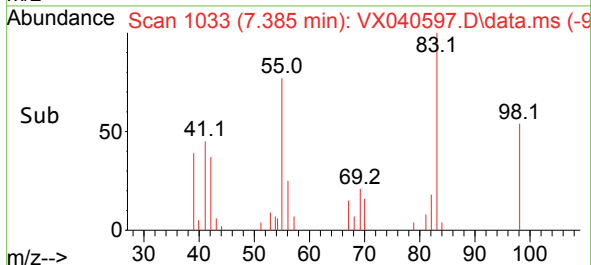
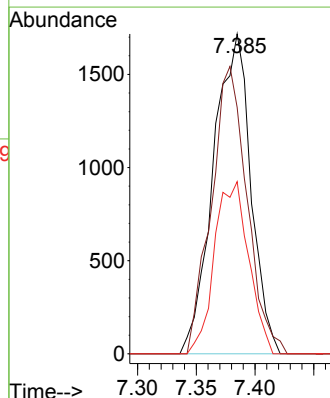
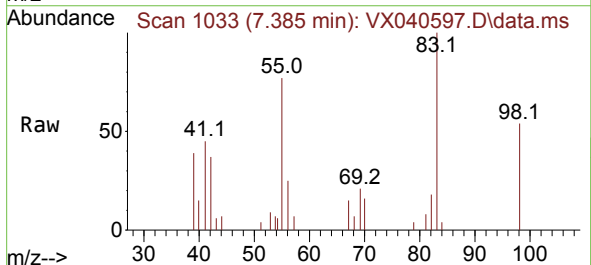
Tgt Ion: 83 Resp: 3806

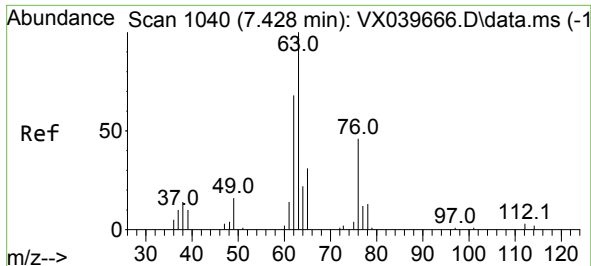
Ion Ratio Lower Upper

83 100

55 85.9 38.6 116.0

98 49.2 22.3 66.8





#39

1,2-Dichloropropane

Concen: 2.492 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

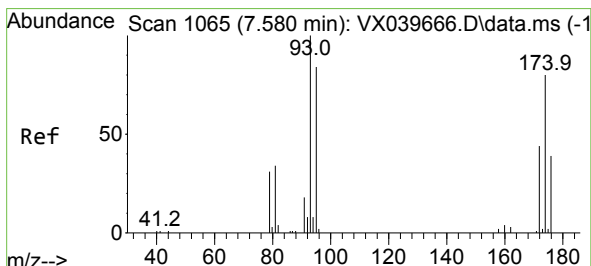
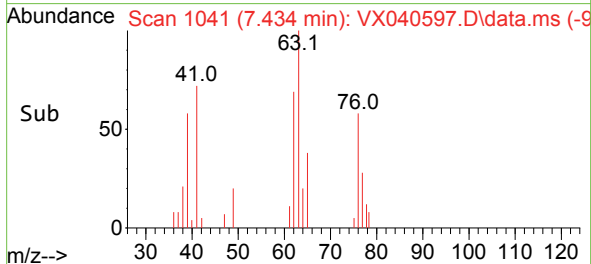
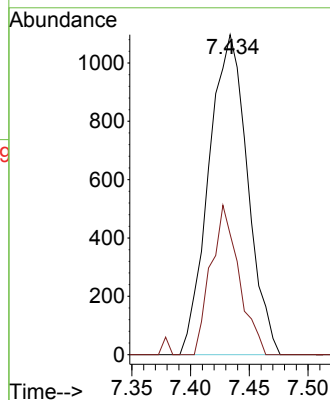
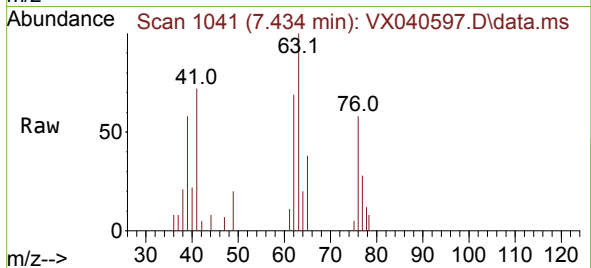
MDL-WATER-03-QT1-2024

Tgt Ion: 63 Resp: 2519

Ion Ratio Lower Upper

63 100

65 37.6 24.6 37.0#



#40

Dibromomethane

Concen: 2.736 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

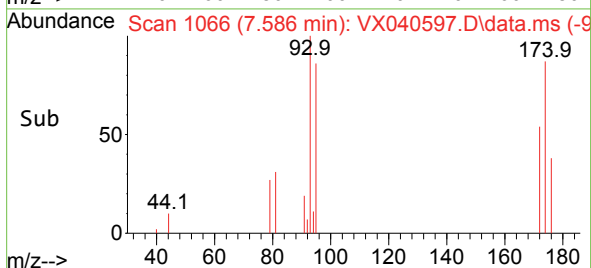
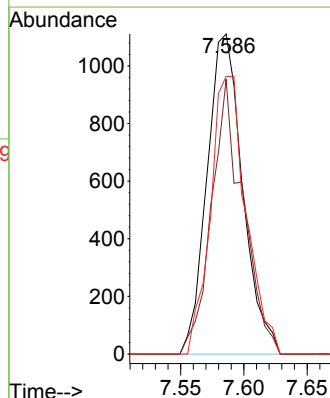
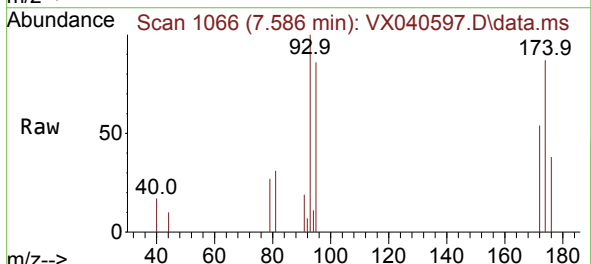
Tgt Ion: 93 Resp: 2173

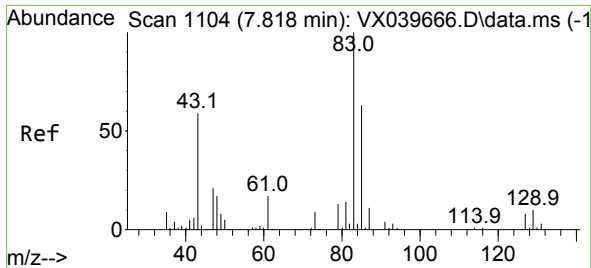
Ion Ratio Lower Upper

93 100

95 76.3 0.0 163.4

174 86.9 0.0 166.4

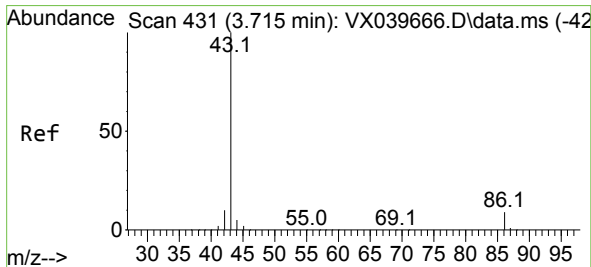
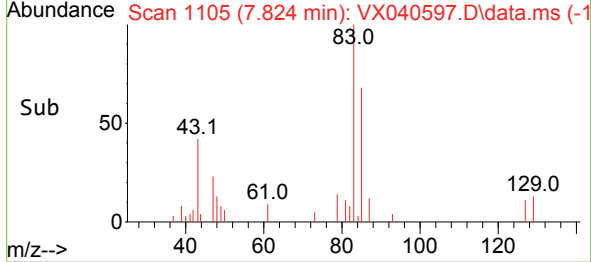
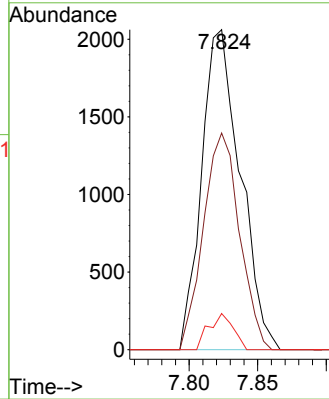
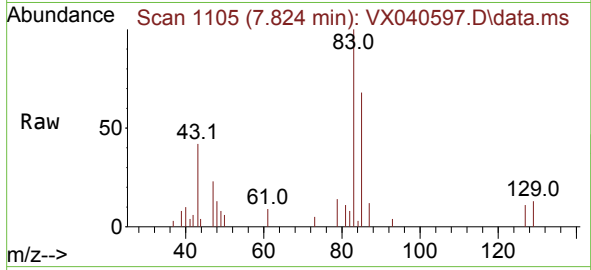




#41  
Bromodichloromethane  
Concen: 2.556 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

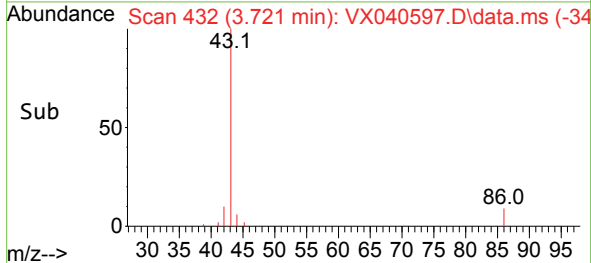
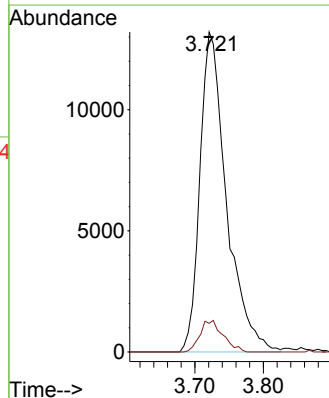
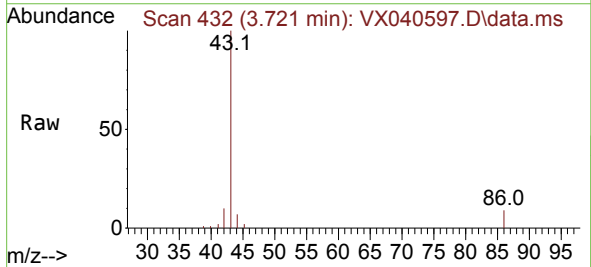
Instrument : MSVOA\_X  
ClientSampleId : MDL-WATER-03-QT1-2024

Tgt Ion: 83 Resp: 4038  
Ion Ratio Lower Upper  
83 100  
85 67.7 50.8 76.2  
127 11.3 5.9 8.9#

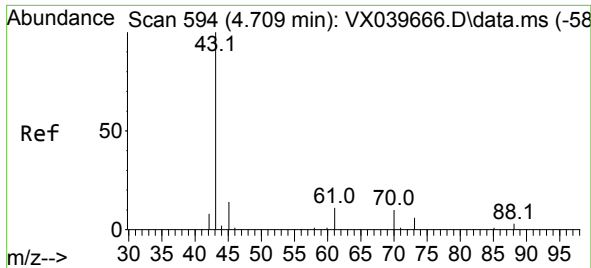


#42  
Vinyl Acetate  
Concen: 11.544 ug/l  
RT: 3.721 min Scan# 432  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 43 Resp: 35668  
Ion Ratio Lower Upper  
43 100  
86 8.5 6.7 10.1



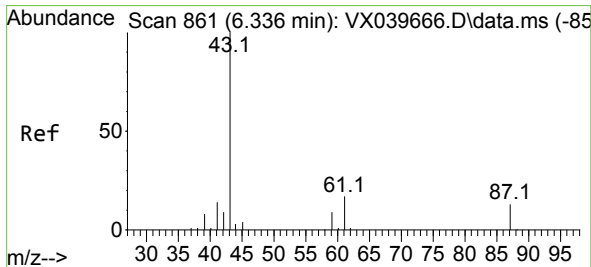
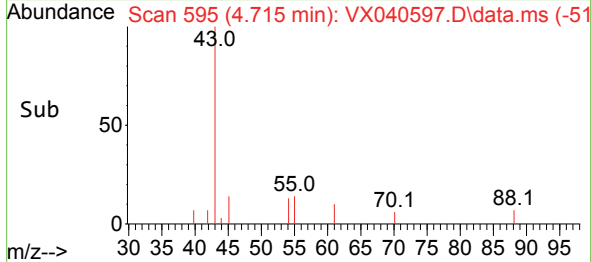
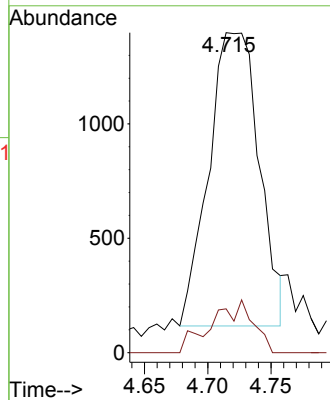
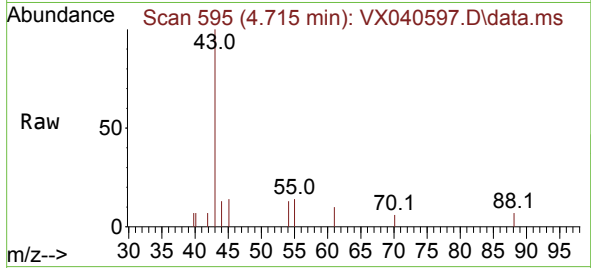




#43  
Ethyl Acetate  
Concen: 2.099 ug/l  
RT: 4.715 min Scan# 594  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

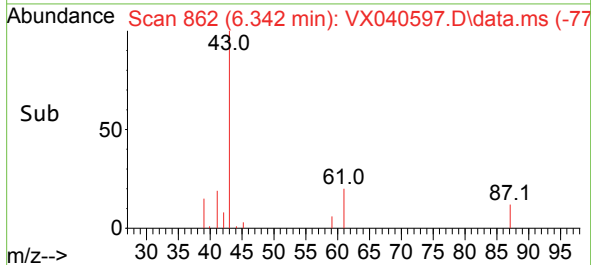
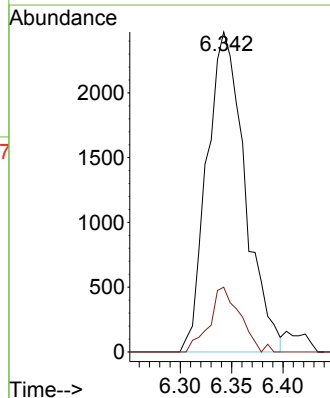
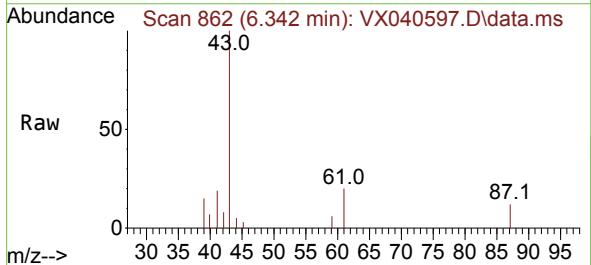
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

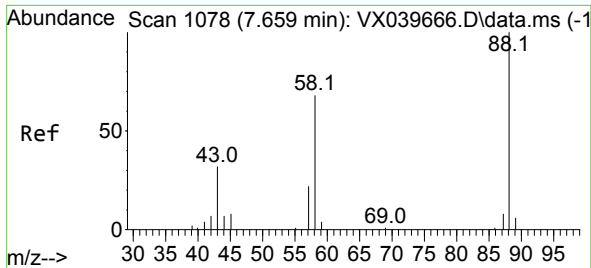
Tgt Ion: 43 Resp: 3547  
Ion Ratio Lower Upper  
43 100  
45 6.4 11.8 17.8#



#44  
Isopropyl Acetate  
Concen: 2.357 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 43 Resp: 6360  
Ion Ratio Lower Upper  
43 100  
61 15.9 15.6 23.4

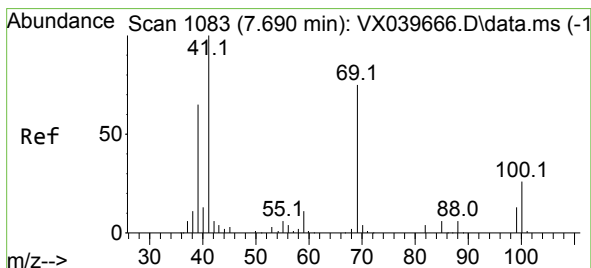
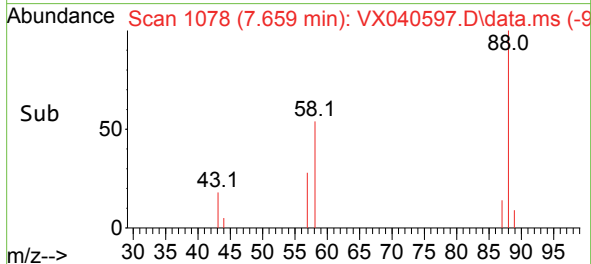
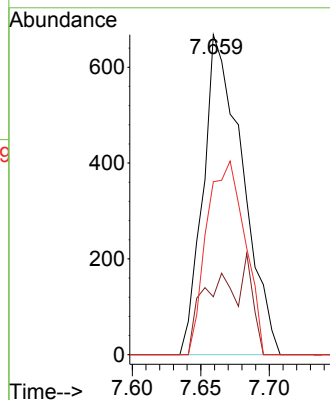
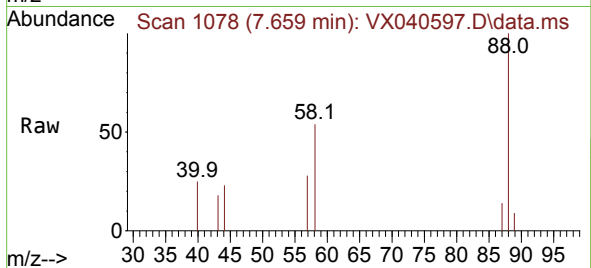




#45  
1,4-Dioxane  
Concen: 47.960 ug/l  
RT: 7.659 min Scan# 1078  
Delta R.T. 0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

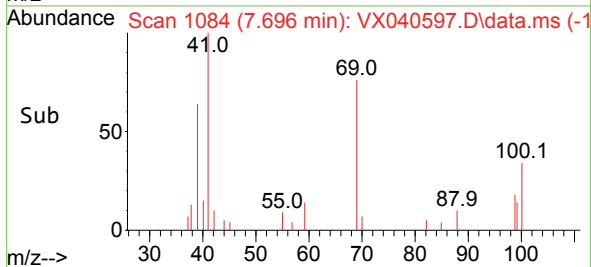
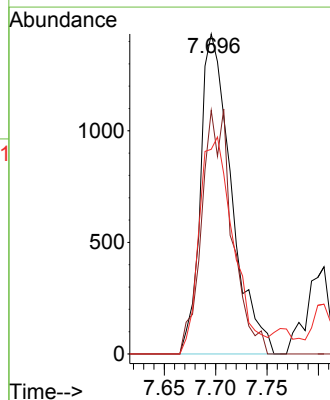
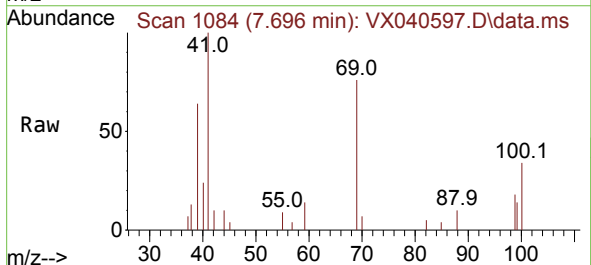
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

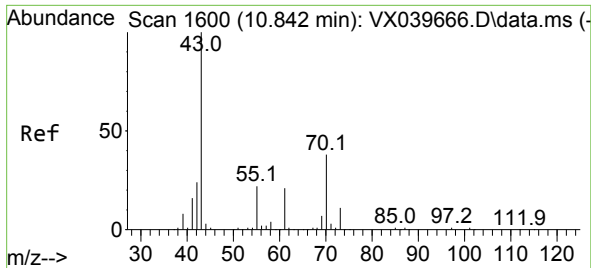
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 1330  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 10.5  | 28.1  | 42.1# |
| 58       | 0.0   | 57.7  | 86.5# |



#46  
Methyl methacrylate  
Concen: 2.235 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 2995  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 76.1  | 39.6  | 118.8 |
| 39       | 63.9  | 30.1  | 90.3  |

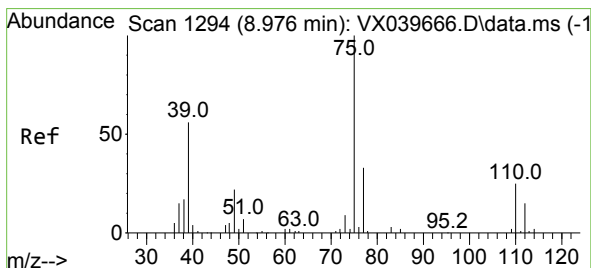
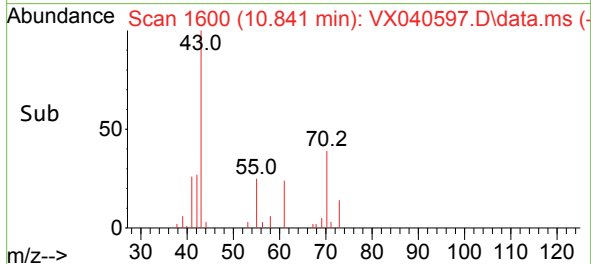
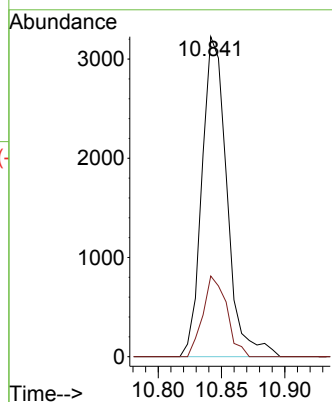
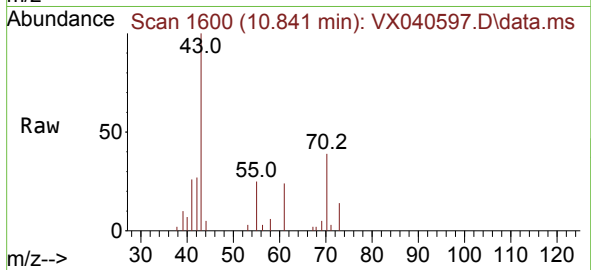




#47  
n-amyl acetate  
Concen: 1.907 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. -0.001 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

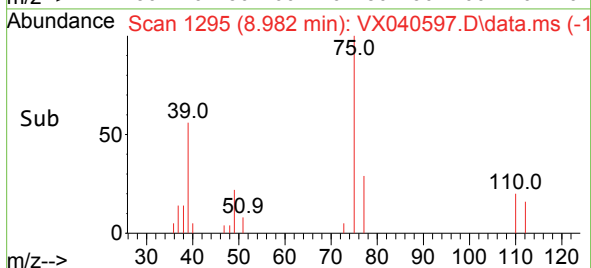
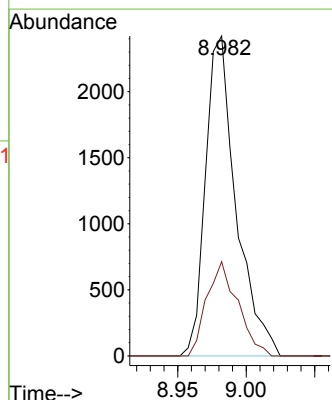
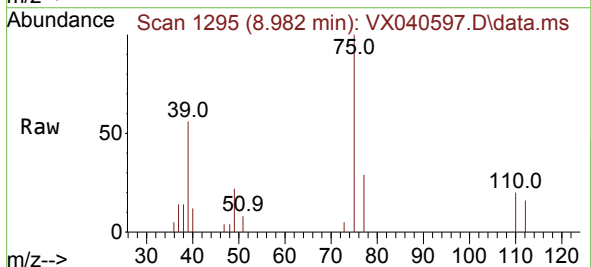
Instrument : MSVOA\_X  
ClientSampleId : MDL-WATER-03-QT1-2024

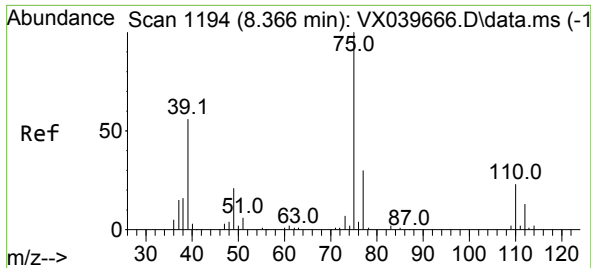
Tgt Ion: 43 Resp: 4435  
Ion Ratio Lower Upper  
43 100  
55 24.1 18.2 27.2



#48  
t-1,3-Dichloropropene  
Concen: 2.252 ug/l  
RT: 8.982 min Scan# 1295  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 75 Resp: 3761  
Ion Ratio Lower Upper  
75 100  
77 29.4 26.8 40.2

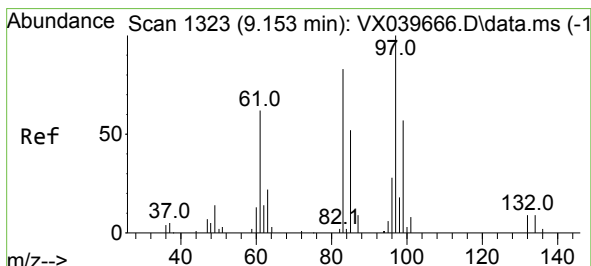
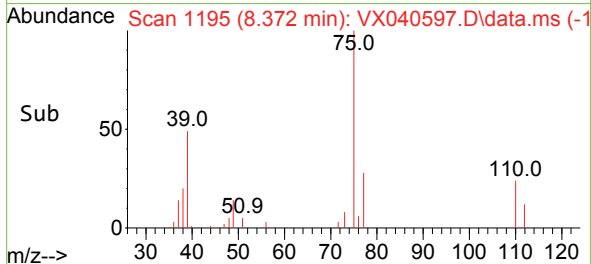
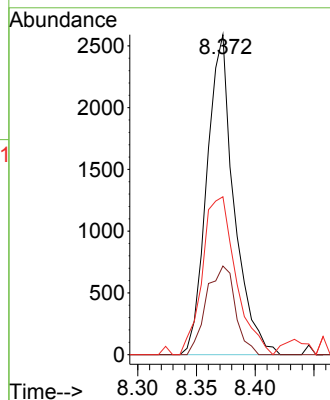
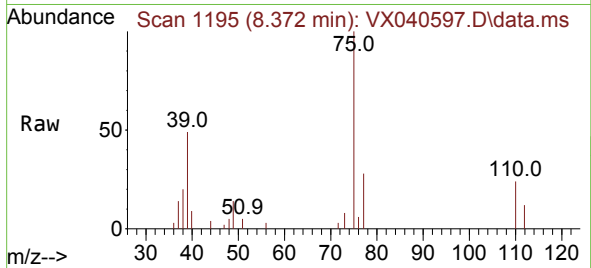




#49  
 cis-1,3-Dichloropropene  
 Concen: 2.450 ug/l  
 RT: 8.372 min Scan# 1195  
 Delta R.T. 0.006 min  
 Lab File: VX040597.D  
 Acq: 06 Mar 2024 10:58

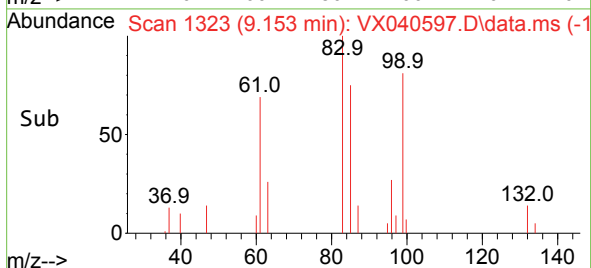
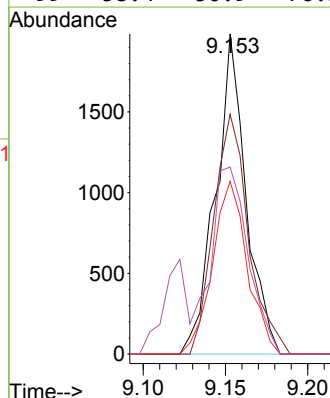
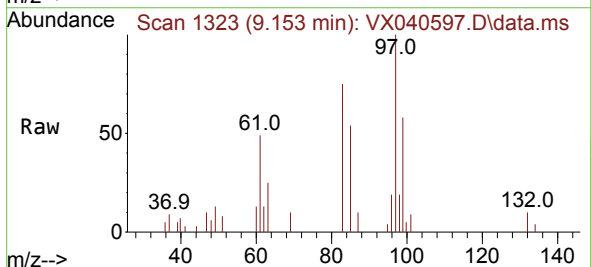
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT1-2024

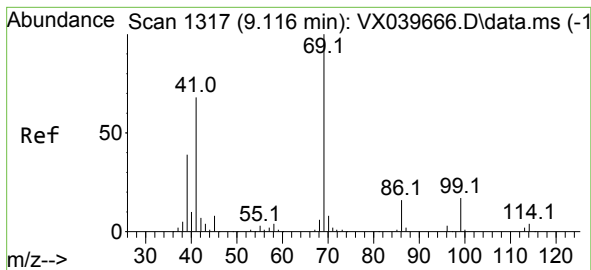
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4167  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 27.7  | 24.4  | 36.6  |
| 39       | 49.4  | 40.6  | 60.8  |



#50  
 1,1,2-Trichloroethane  
 Concen: 2.419 ug/l  
 RT: 9.153 min Scan# 1323  
 Delta R.T. -0.000 min  
 Lab File: VX040597.D  
 Acq: 06 Mar 2024 10:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 2552  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 74.9  | 69.0  | 103.6 |
| 85       | 54.0  | 46.3  | 69.5  |
| 99       | 58.4  | 50.9  | 76.3  |





#51

Ethyl methacrylate

Concen: 2.176 ug/l

RT: 9.116 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT1-2024

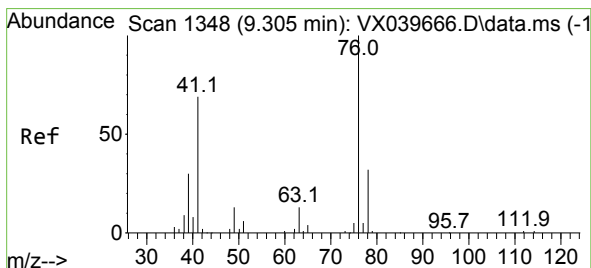
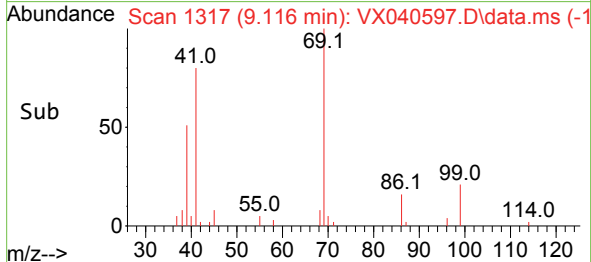
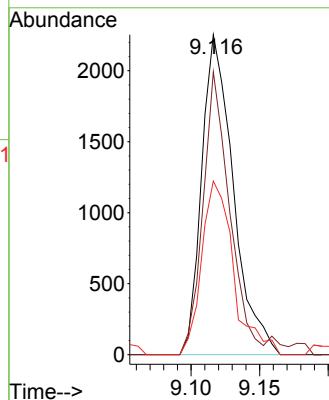
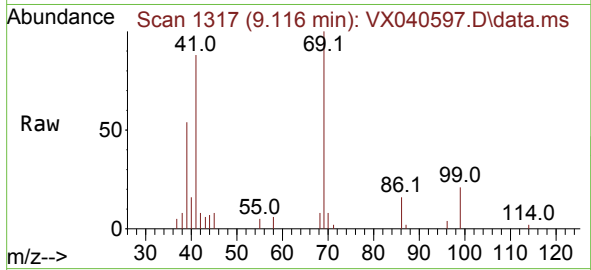
Tgt Ion: 69 Resp: 3614

Ion Ratio Lower Upper

69 100

41 88.4 36.2 108.6

39 54.3 21.1 63.4



#52

1,3-Dichloropropane

Concen: 2.681 ug/l

RT: 9.311 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VX040597.D

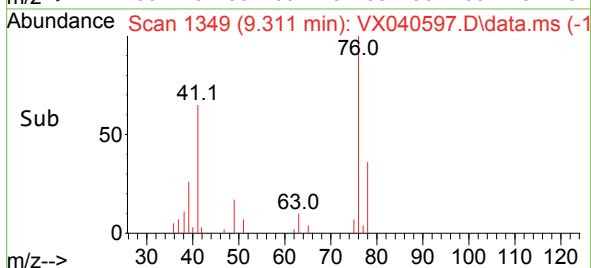
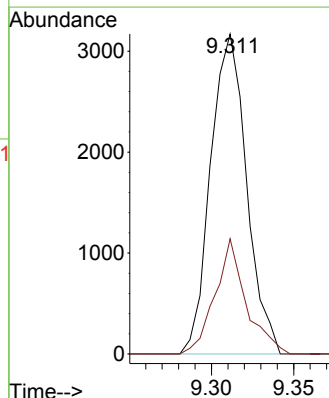
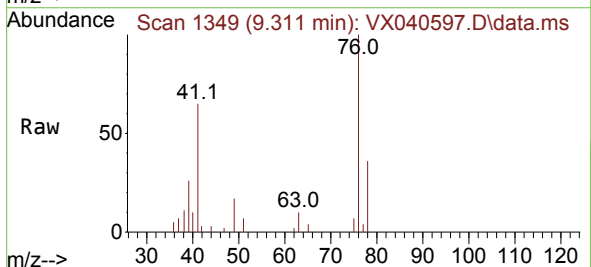
Acq: 06 Mar 2024 10:58

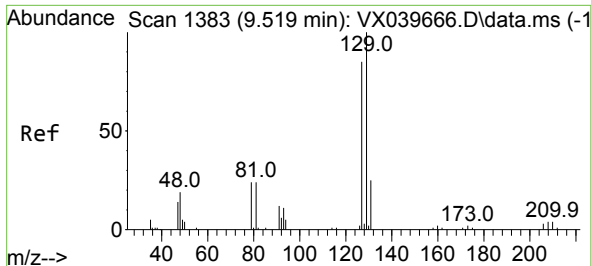
Tgt Ion: 76 Resp: 4826

Ion Ratio Lower Upper

76 100

78 31.0 0.0 65.0

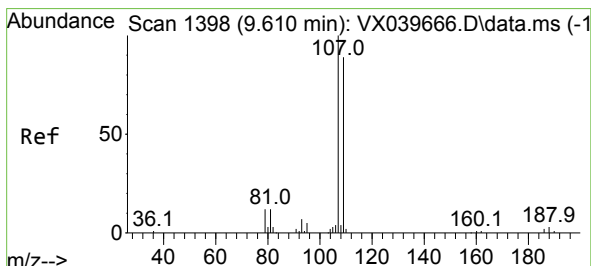
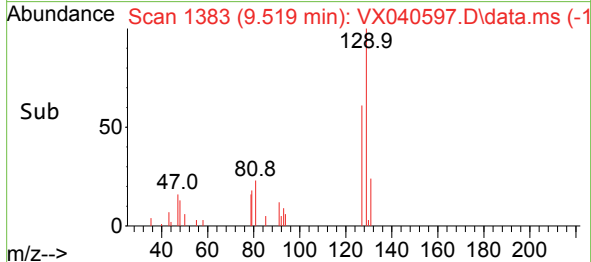
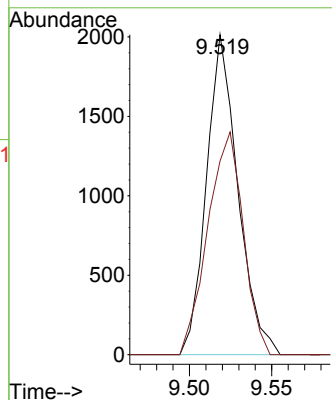
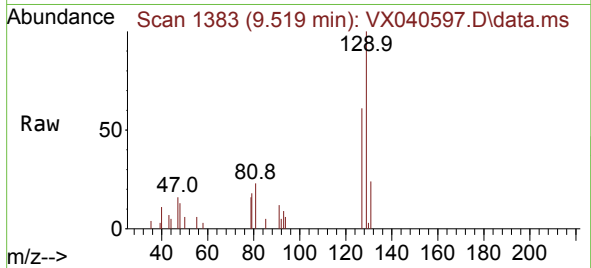




#53  
Dibromochloromethane  
Concen: 2.225 ug/l  
RT: 9.519 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

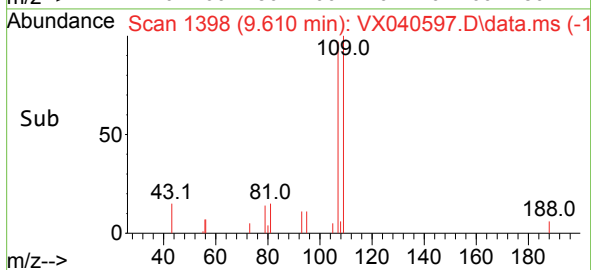
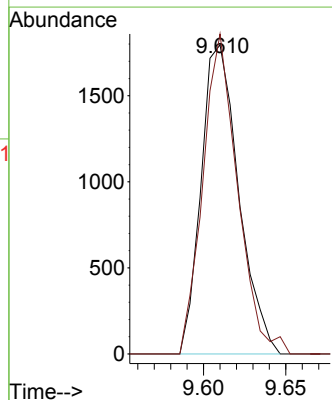
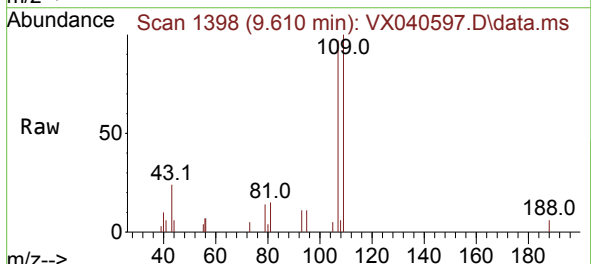
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

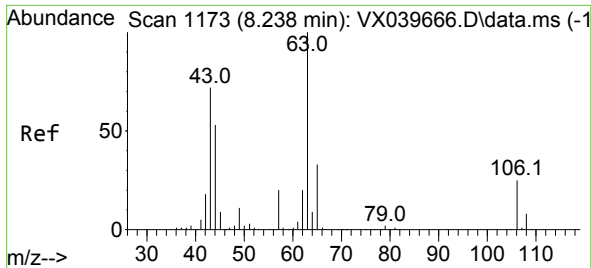
Tgt Ion:129 Resp: 2676  
Ion Ratio Lower Upper  
129 100  
127 78.3 38.3 114.9



#54  
1,2-Dibromoethane  
Concen: 2.450 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion:107 Resp: 2859  
Ion Ratio Lower Upper  
107 100  
109 94.1 75.1 112.7

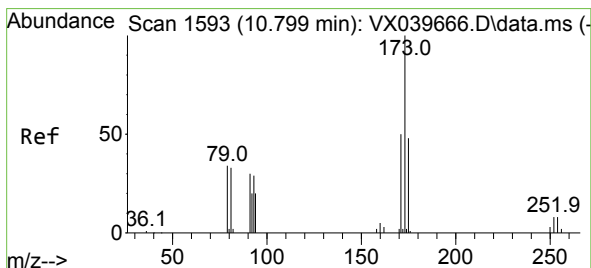
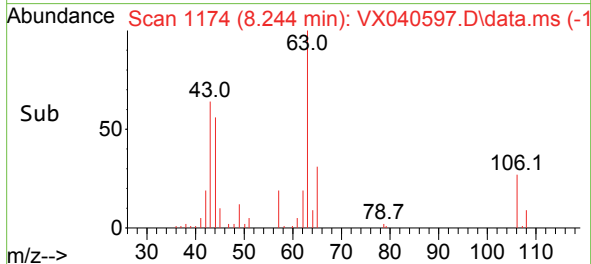
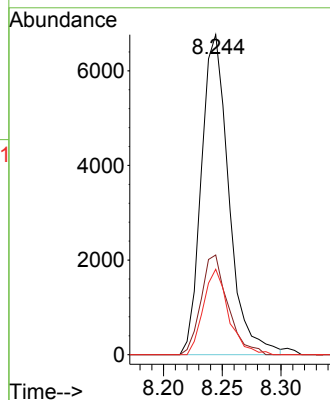
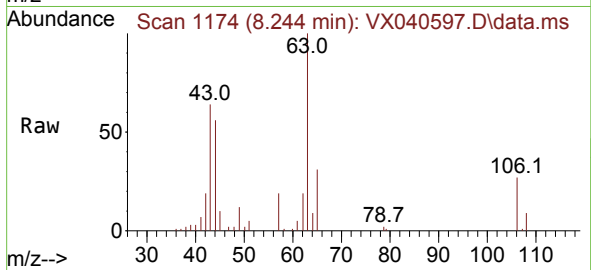




#55  
2-Chloroethyl vinyl ether  
Concen: 13.044 ug/l  
RT: 8.244 min Scan# 1174  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

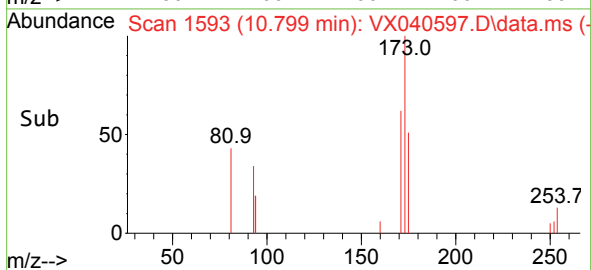
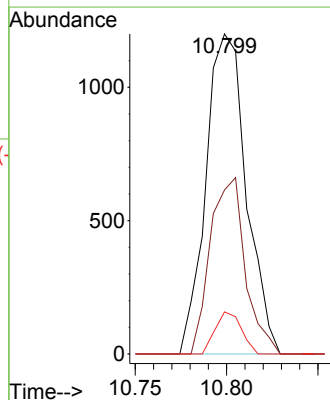
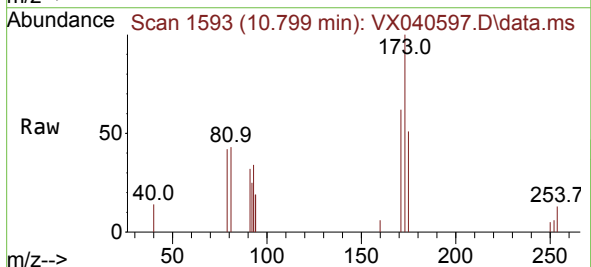
Instrument : MSVOA\_X  
ClientSampleId : MDL-WATER-03-QT1-2024

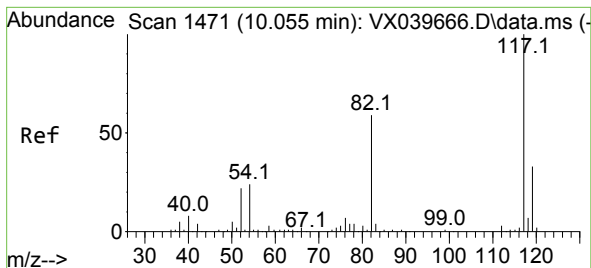
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 11031 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 30.5  | 25.8  | 38.6  |
| 106      | 24.5  | 20.6  | 31.0  |



#56  
Bromoform  
Concen: 2.167 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 1848  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 47.6  | 37.6  | 56.4  |
| 254      | 8.5   | 5.8   | 8.8   |

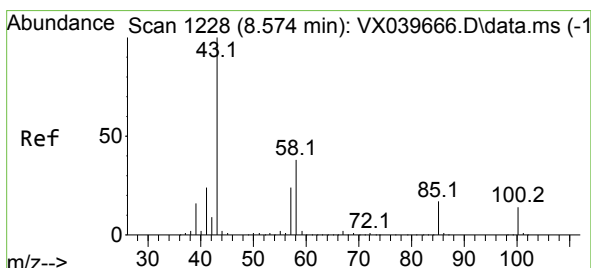
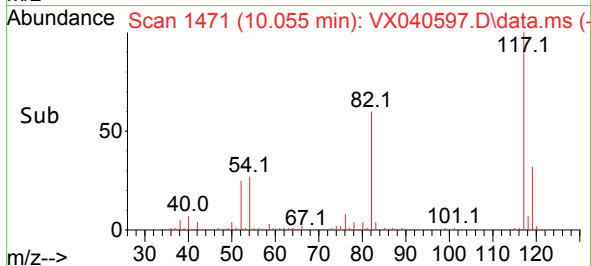
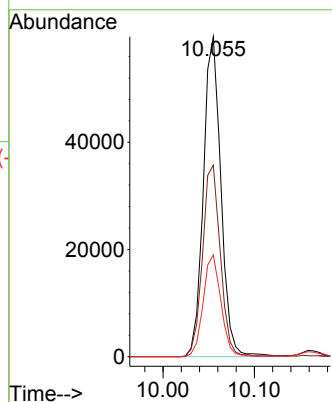
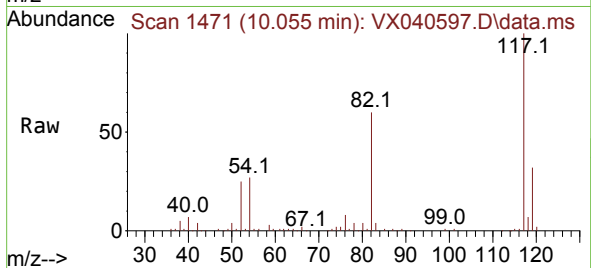




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

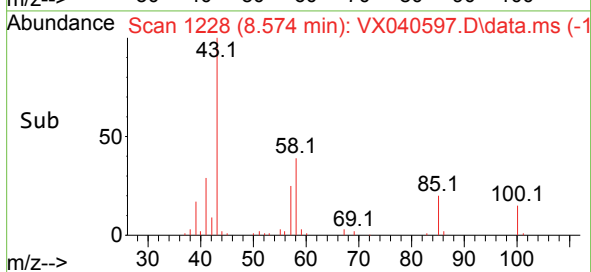
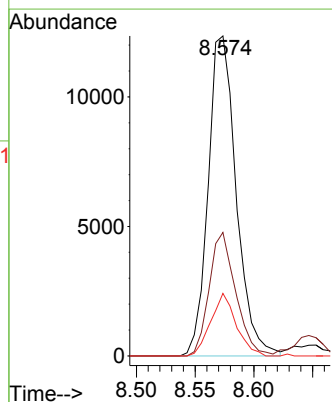
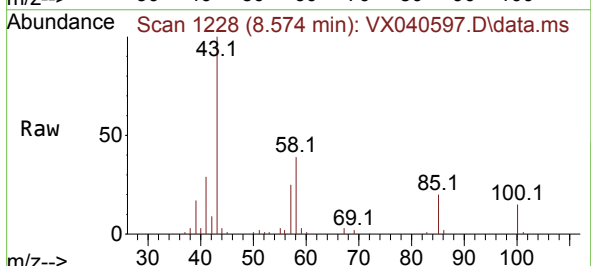
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

Tgt Ion:117 Resp: 79802  
Ion Ratio Lower Upper  
117 100  
82 60.6 47.0 70.6  
119 32.0 25.2 37.8

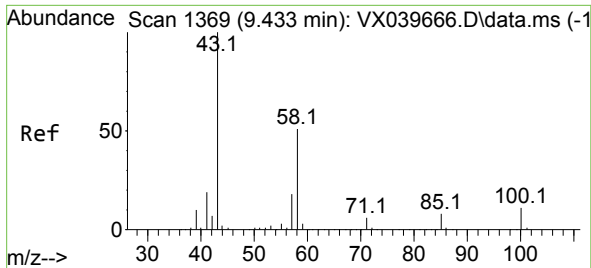


#58  
4-Methyl-2-Pentanone  
Concen: 11.568 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 43 Resp: 20556  
Ion Ratio Lower Upper  
43 100  
58 36.4 30.1 45.1  
85 17.7 13.9 20.9



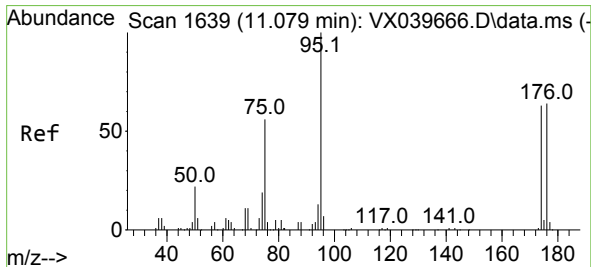
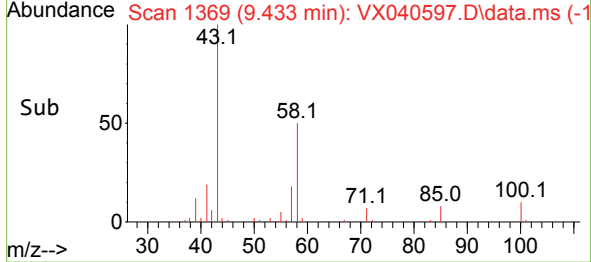
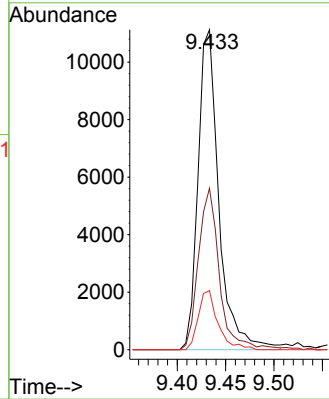
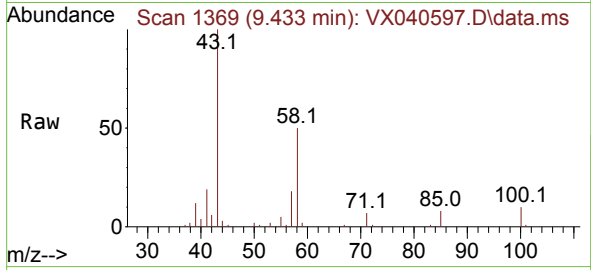




#59  
2-Hexanone  
Concen: 11.643 ug/l  
RT: 9.433 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

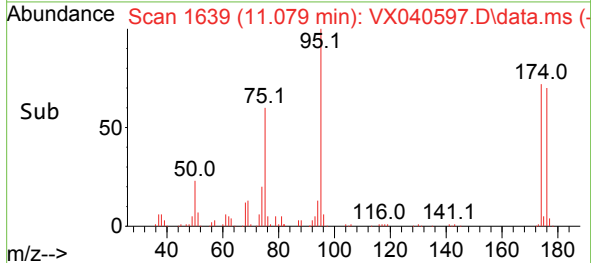
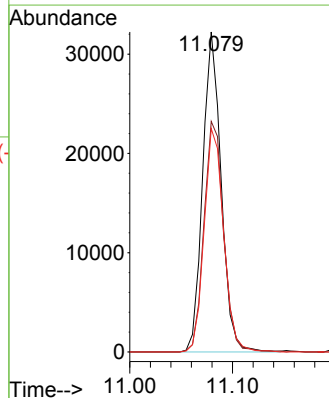
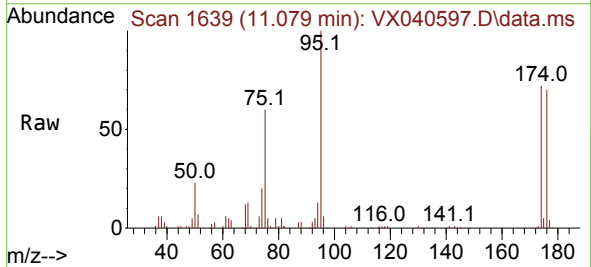
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

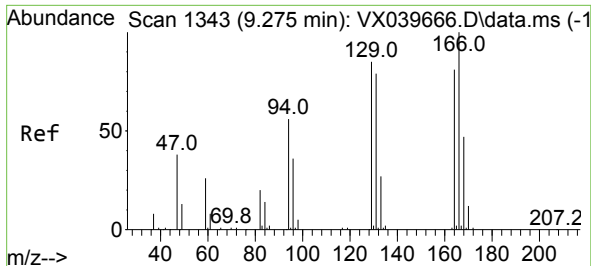
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 16711 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 49.9  | 42.7  | 64.1  |
| 57       | 17.4  | 14.8  | 22.2  |



#60  
4-Bromofluorobenzene  
Concen: 29.447 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 40309 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 75.8  | 55.4  | 83.2  |
| 176      | 73.5  | 52.6  | 78.8  |



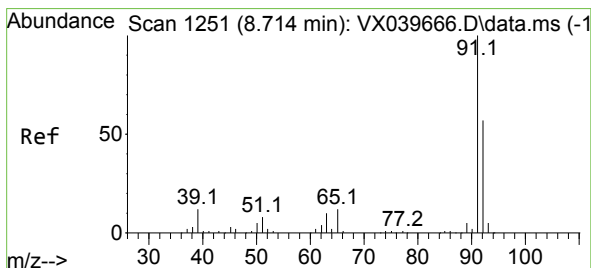
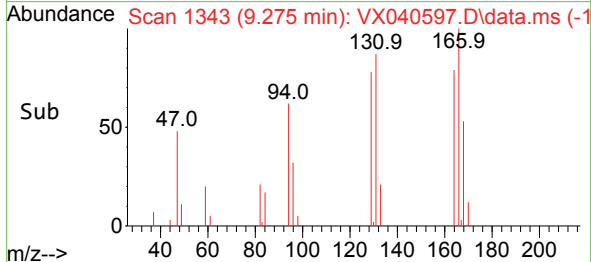
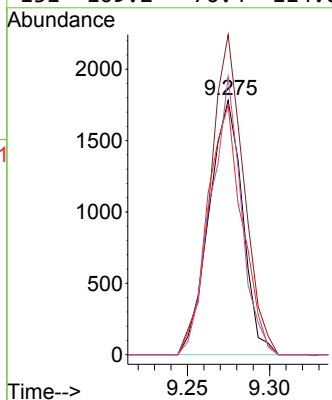
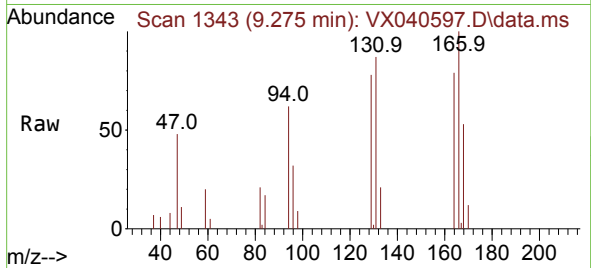


#61  
Tetrachloroethene  
Concen: 2.675 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

Tgt Ion:164 Resp: 2534

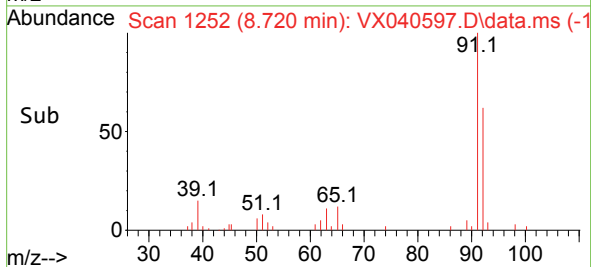
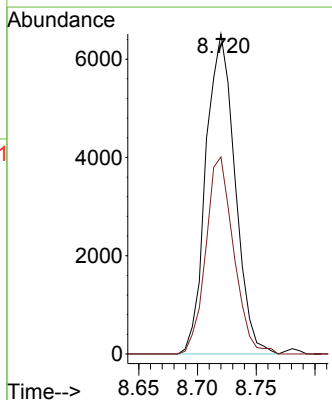
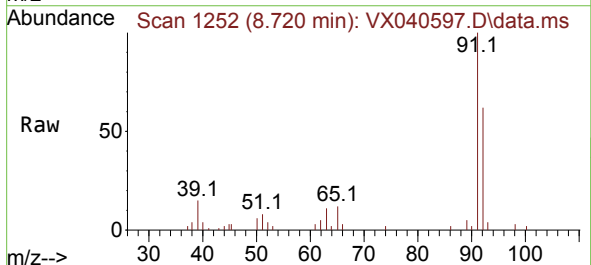
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 125.8 | 104.0 | 156.0 |
| 129 | 98.1  | 82.0  | 123.0 |
| 131 | 109.2 | 76.4  | 114.6 |

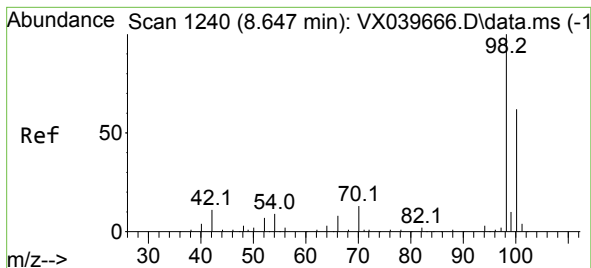


#62  
Toluene  
Concen: 2.551 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 91 Resp: 11211

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 58.5  | 45.9  | 68.9  |





#63

Toluene-d8

Concen: 30.444 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

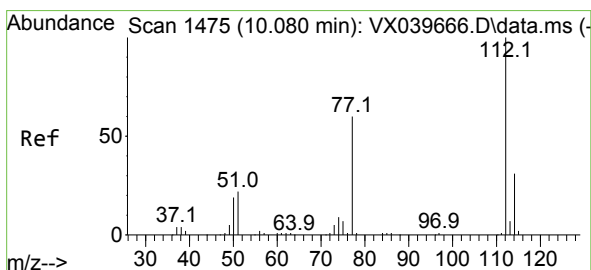
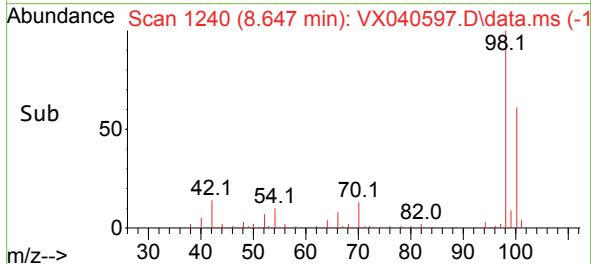
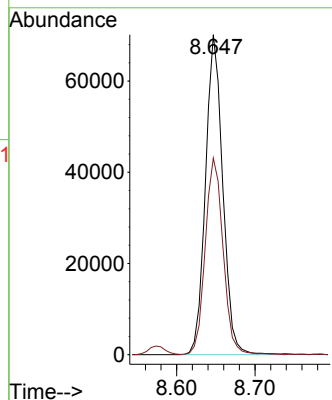
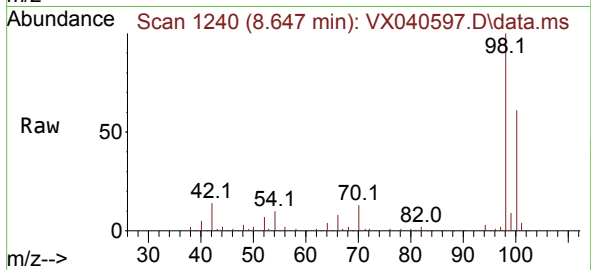
MDL-WATER-03-QT1-2024

Tgt Ion: 98 Resp: 107367

Ion Ratio Lower Upper

98 100

100 62.8 51.0 76.4



#64

Chlorobenzene

Concen: 2.510 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.001 min

Lab File: VX040597.D

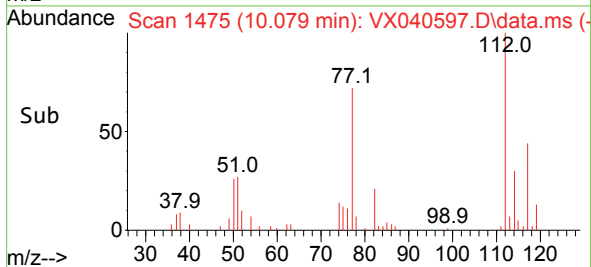
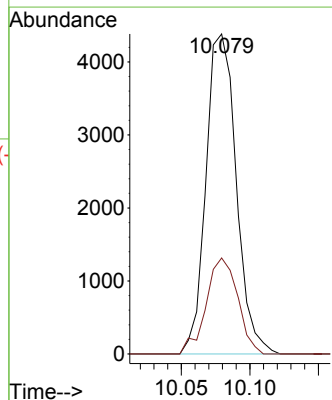
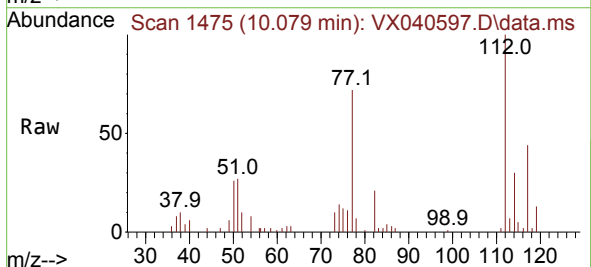
Acq: 06 Mar 2024 10:58

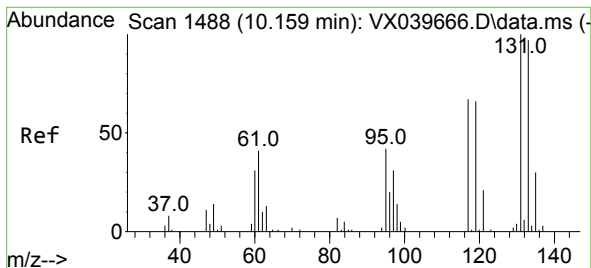
Tgt Ion: 112 Resp: 6742

Ion Ratio Lower Upper

112 100

114 30.0 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 2.525 ug/l

RT: 10.165 min Scan# 1488

Delta R.T. 0.006 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT1-2024

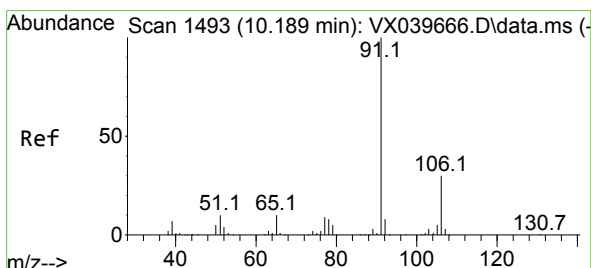
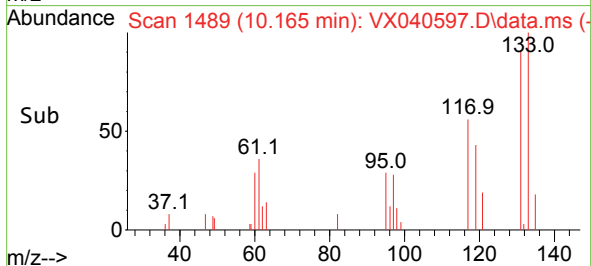
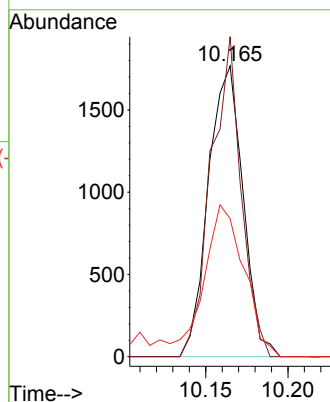
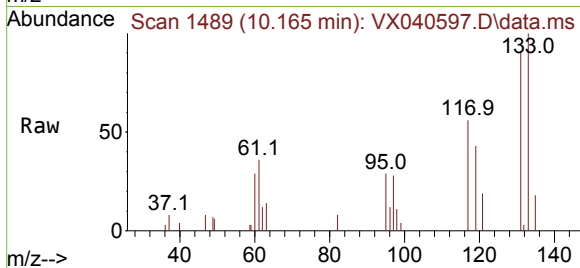
Tgt Ion:131 Resp: 2587

Ion Ratio Lower Upper

131 100

133 95.9 0.0 191.8

119 60.0 0.0 135.4



#66

Ethyl Benzene

Concen: 2.429 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX040597.D

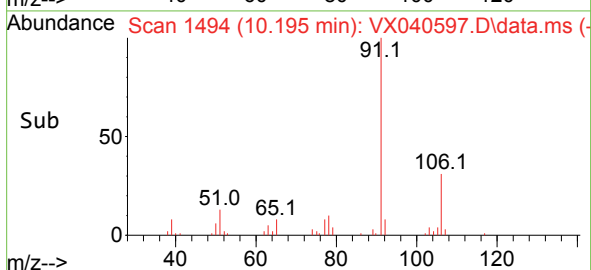
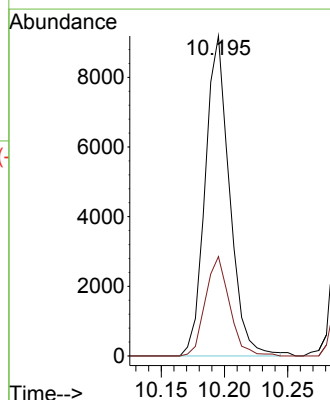
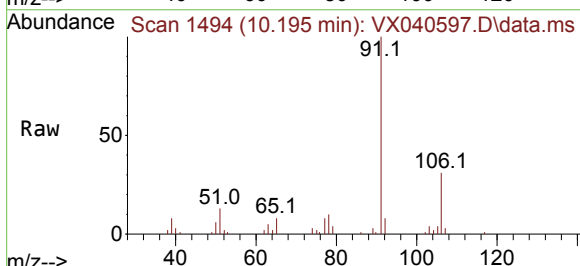
Acq: 06 Mar 2024 10:58

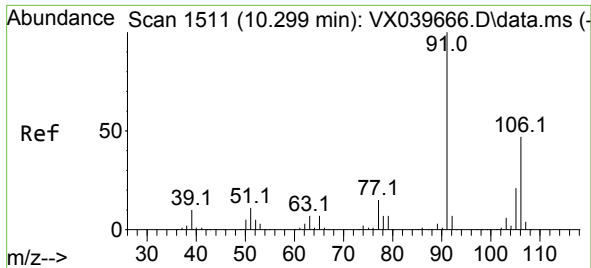
Tgt Ion: 91 Resp: 12311

Ion Ratio Lower Upper

91 100

106 31.0 24.4 36.6

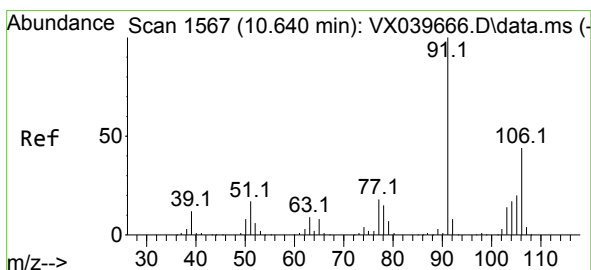
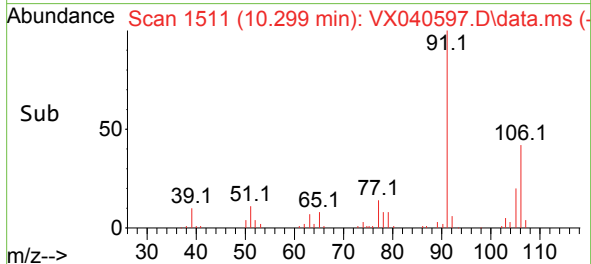
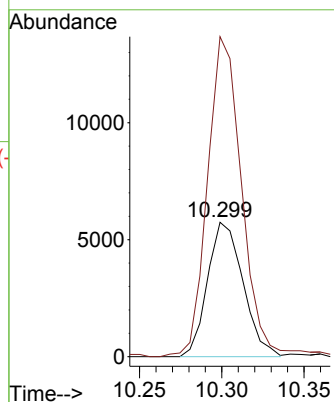
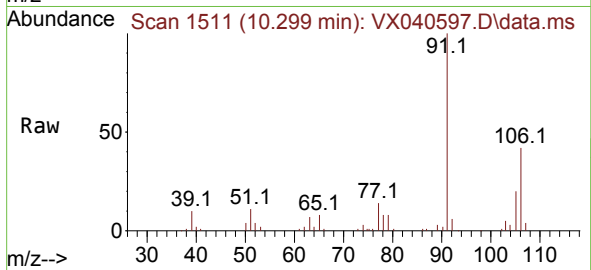




#67  
m/p-Xylenes  
Concen: 4.602 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

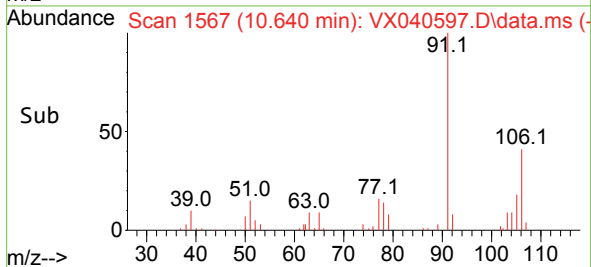
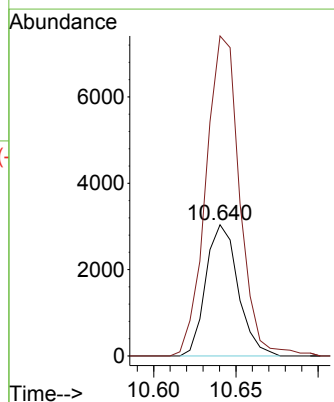
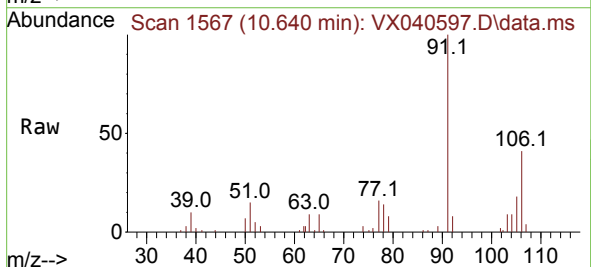
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

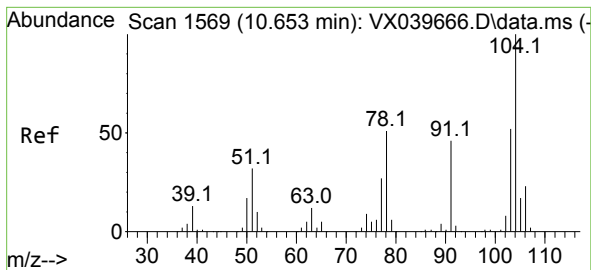
Tgt Ion:106 Resp: 8612  
Ion Ratio Lower Upper  
106 100  
91 227.6 169.4 254.0



#68  
o-Xylene  
Concen: 2.301 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion:106 Resp: 4145  
Ion Ratio Lower Upper  
106 100  
91 255.5 111.2 333.6





#69

Styrene

Concen: 2.254 ug/l

RT: 10.659 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT1-2024

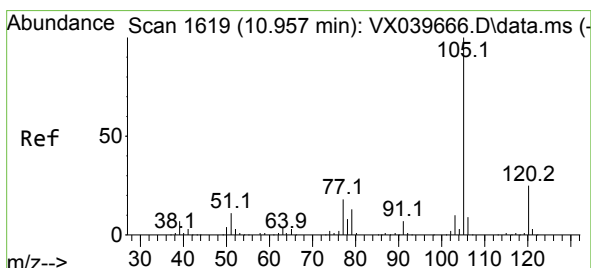
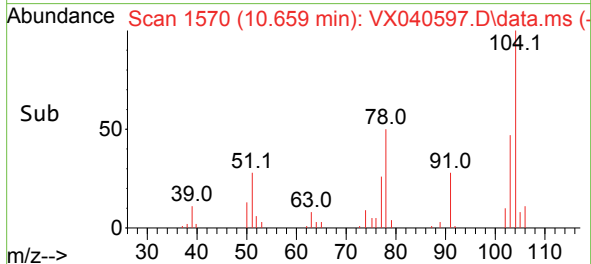
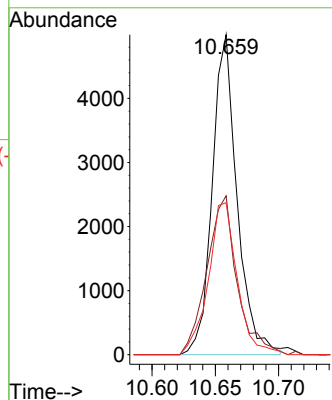
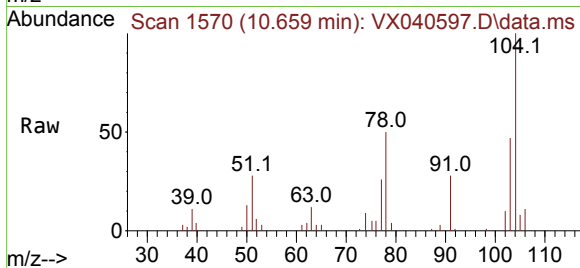
Tgt Ion:104 Resp: 6822

Ion Ratio Lower Upper

104 100

78 60.3 43.7 65.5

103 55.3 44.6 67.0



#70

Isopropylbenzene

Concen: 2.452 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX040597.D

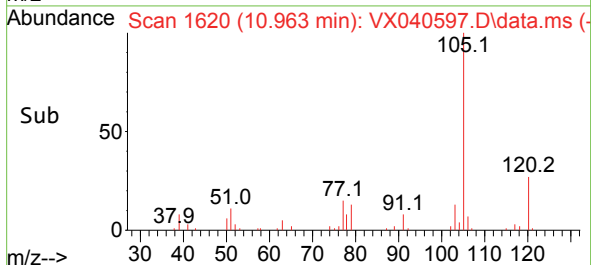
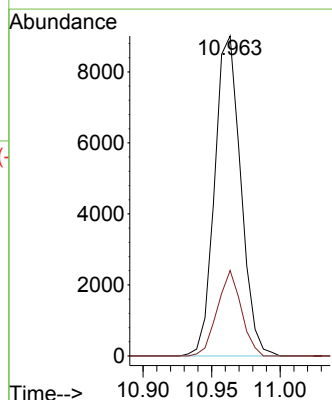
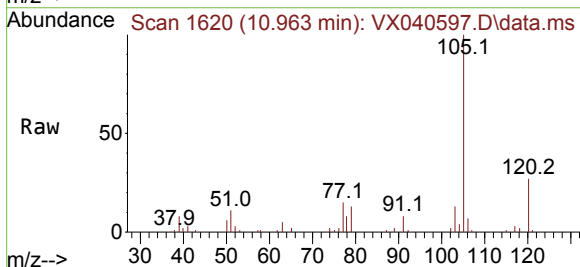
Acq: 06 Mar 2024 10:58

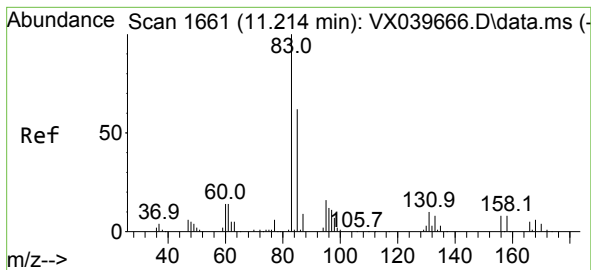
Tgt Ion:105 Resp: 11937

Ion Ratio Lower Upper

105 100

120 24.4 18.5 34.3





#71

1,1,2,2-Tetrachloroethane

Concen: 2.607 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.007 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT1-2024

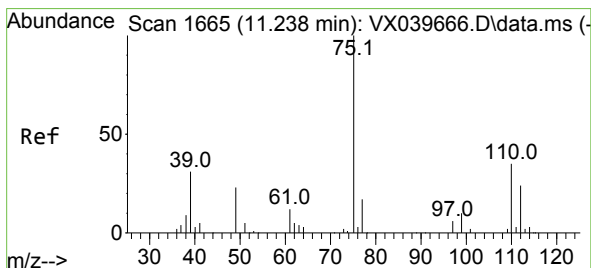
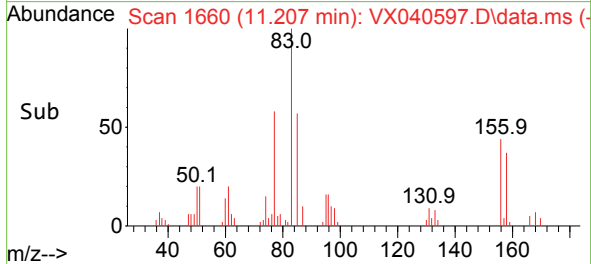
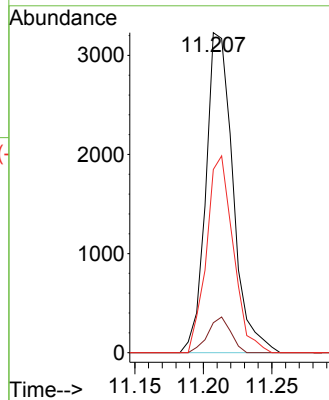
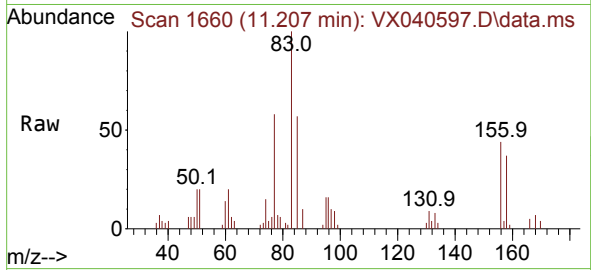
Tgt Ion: 83 Resp: 4449

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

85 60.6 32.5 97.4



#72

1,2,3-Trichloropropane

Concen: 2.958 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX040597.D

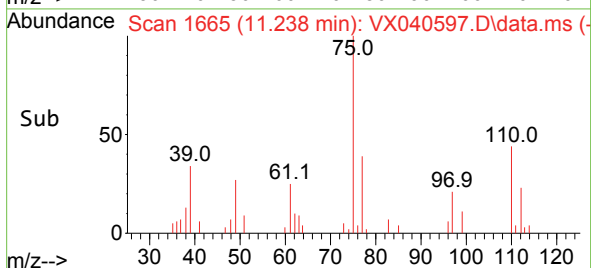
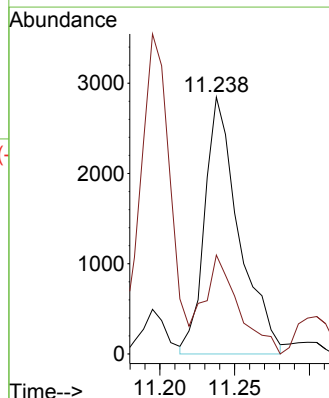
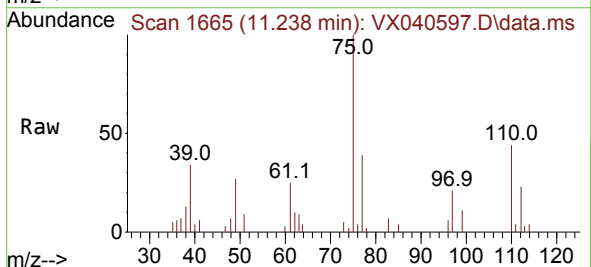
Acq: 06 Mar 2024 10:58

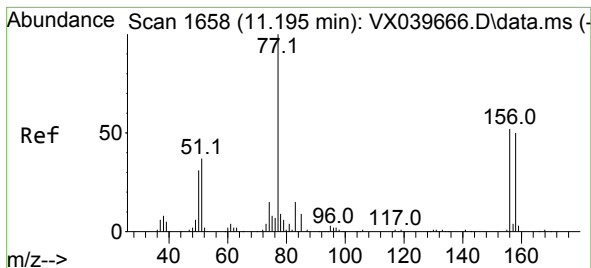
Tgt Ion: 75 Resp: 4542

Ion Ratio Lower Upper

75 100

77 38.5 0.0 76.4





#73

Bromobenzene

Concen: 2.419 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT1-2024

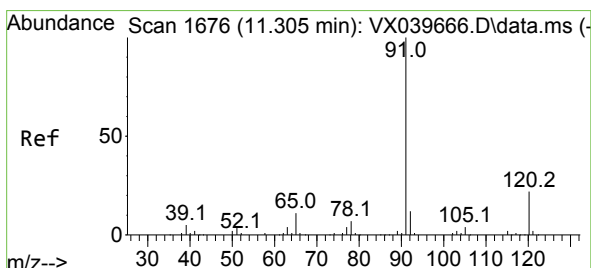
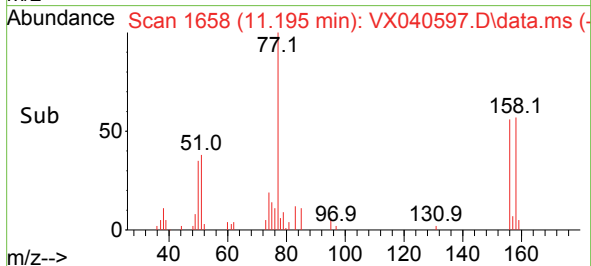
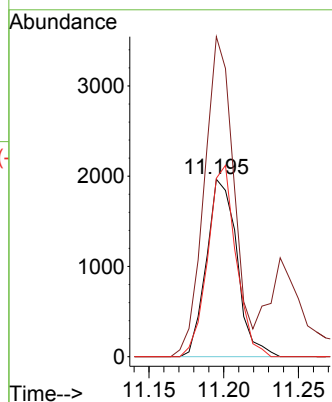
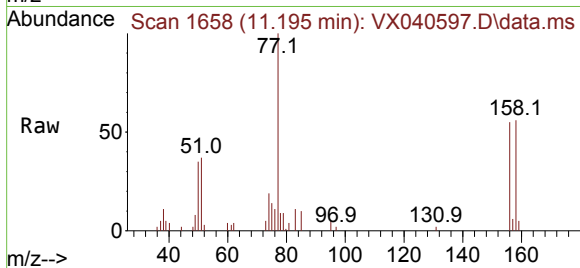
Tgt Ion:156 Resp: 2788

Ion Ratio Lower Upper

156 100

77 174.9 0.0 363.2

158 100.2 0.0 197.8



#74

n-propylbenzene

Concen: 2.429 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX040597.D

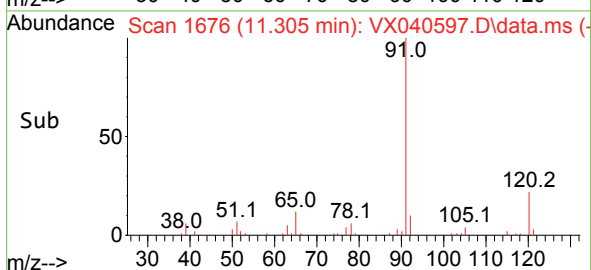
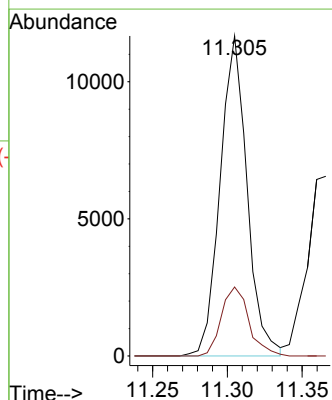
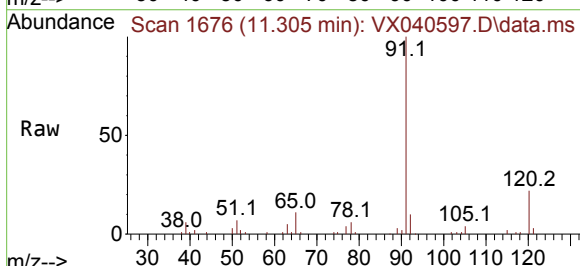
Acq: 06 Mar 2024 10:58

Tgt Ion: 91 Resp: 14605

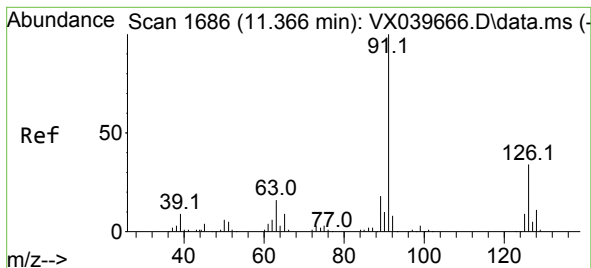
Ion Ratio Lower Upper

91 100

120 22.0 0.0 43.4



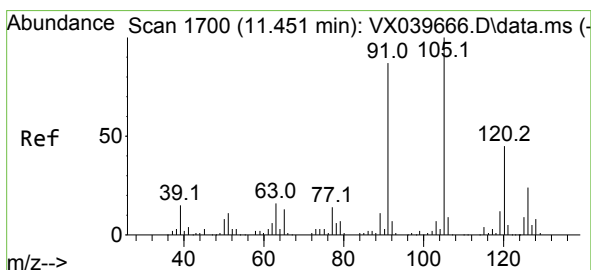
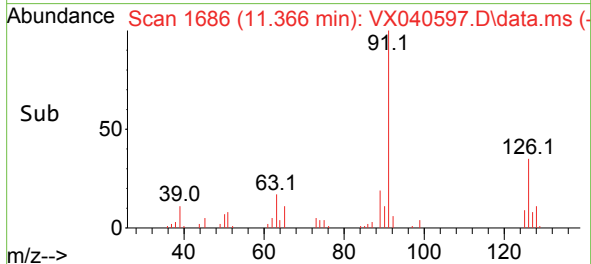
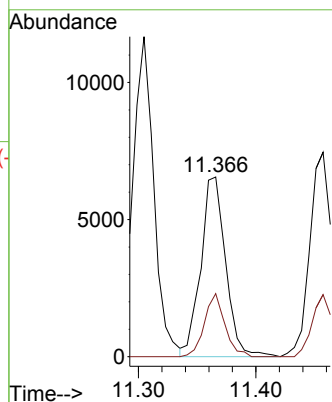
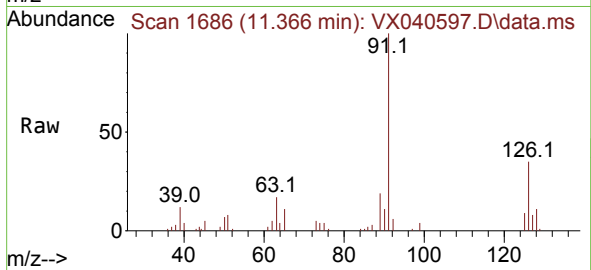




#75  
2-Chlorotoluene  
Concen: 2.700 ug/l  
RT: 11.366 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

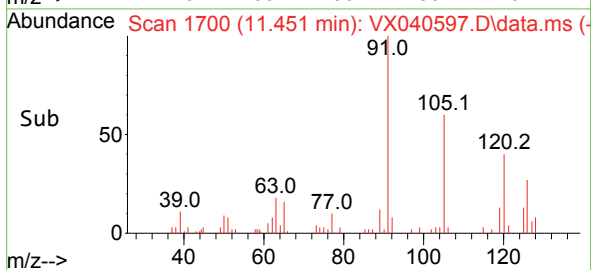
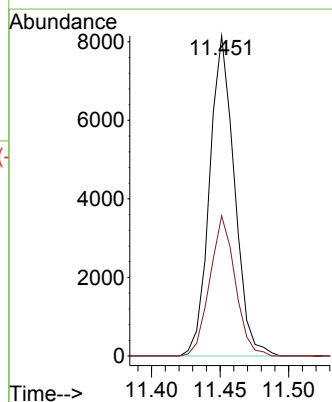
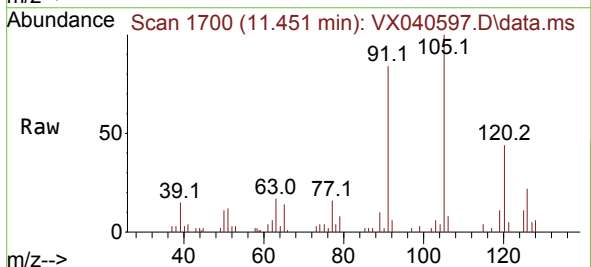
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

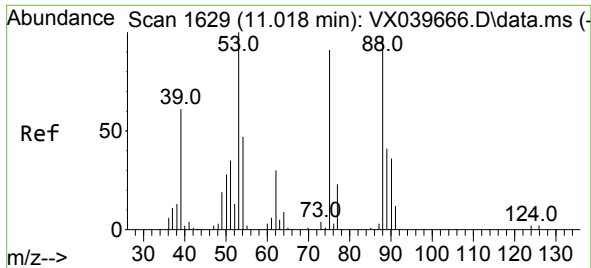
Tgt Ion: 91 Resp: 9632  
Ion Ratio Lower Upper  
91 100  
126 28.9 0.0 64.2



#76  
1,3,5-Trimethylbenzene  
Concen: 2.404 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion: 105 Resp: 10304  
Ion Ratio Lower Upper  
105 100  
120 44.6 0.0 92.6

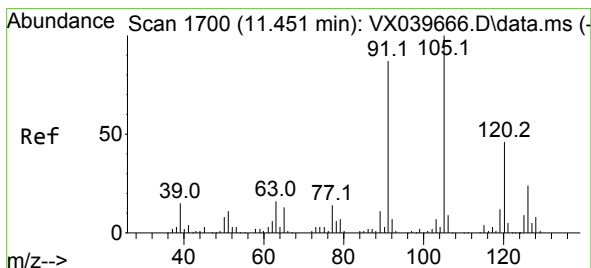
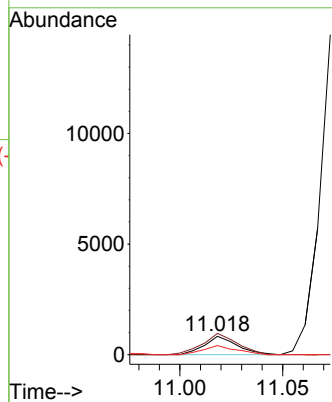
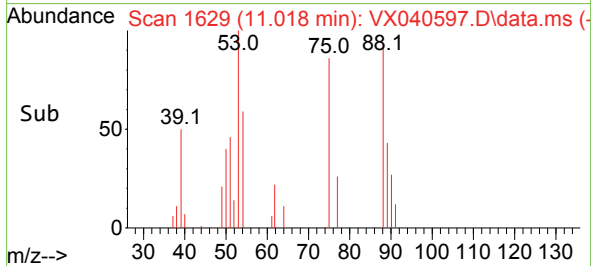
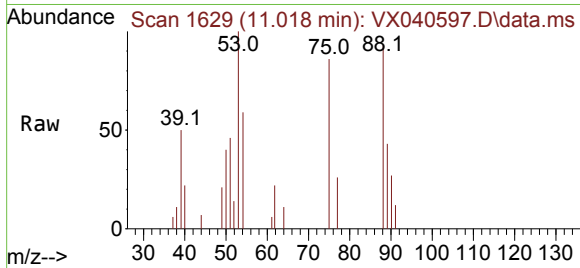




#77  
t-1,4-Dichloro-2-butene  
Concen: 1.918 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

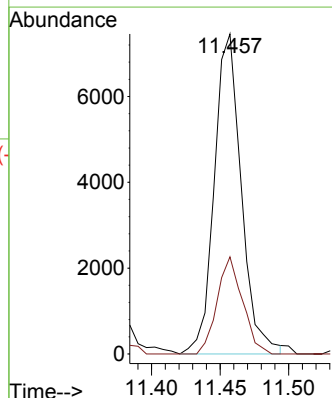
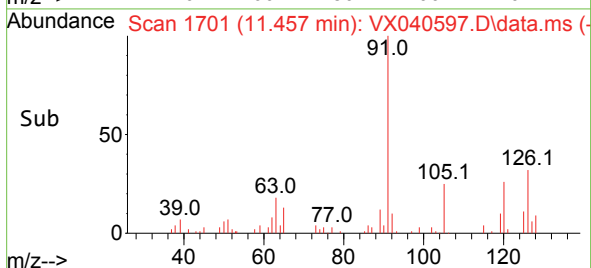
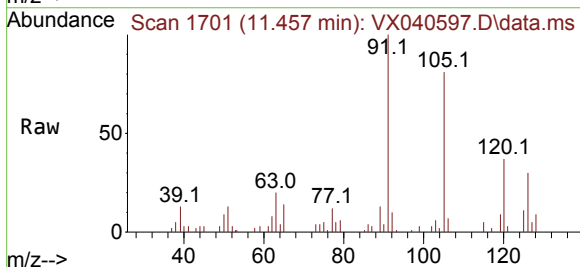
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

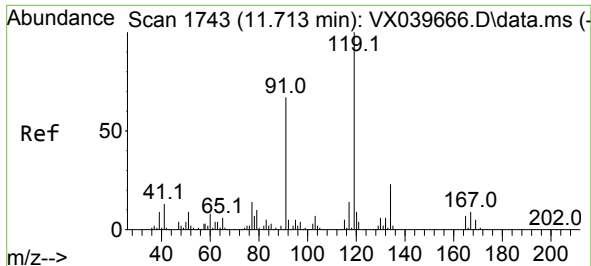
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 915   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 115.7 | 46.9  | 140.8 |
| 89       | 49.6  | 21.3  | 63.7  |



#78  
4-Chlorotoluene  
Concen: 2.402 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 10223 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 28.5  | 0.0   | 57.4  |





#79

tert-butylbenzene

Concen: 2.387 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT1-2024

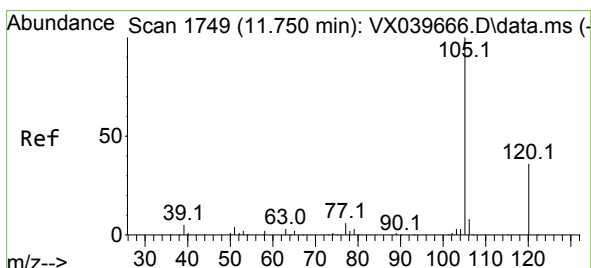
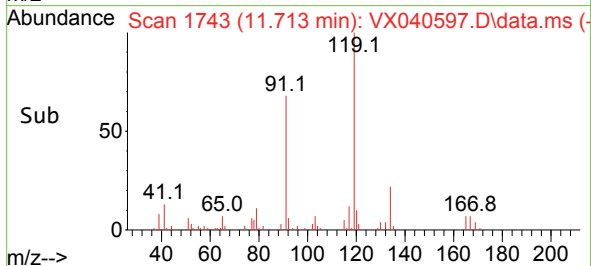
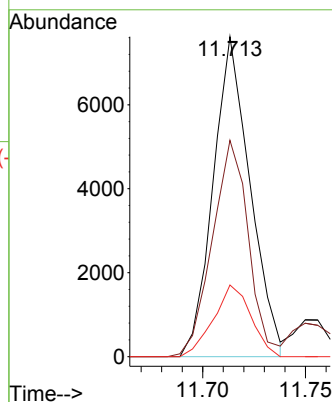
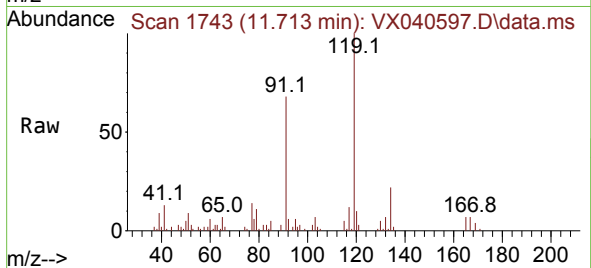
Tgt Ion:119 Resp: 9548

Ion Ratio Lower Upper

119 100

91 66.2 0.0 125.6

134 22.6 0.0 43.8



#80

1,2,4-Trimethylbenzene

Concen: 2.244 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX040597.D

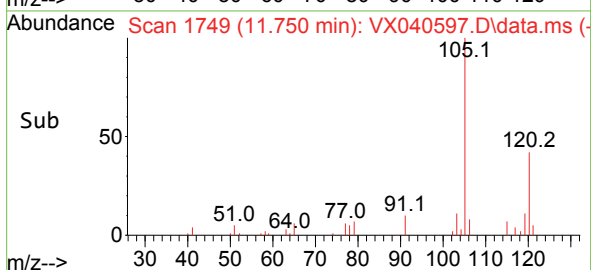
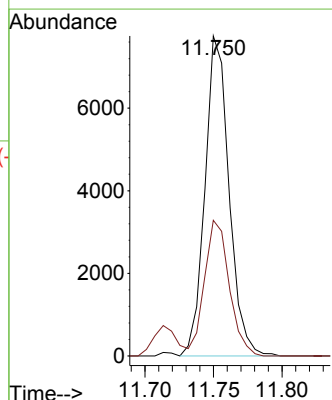
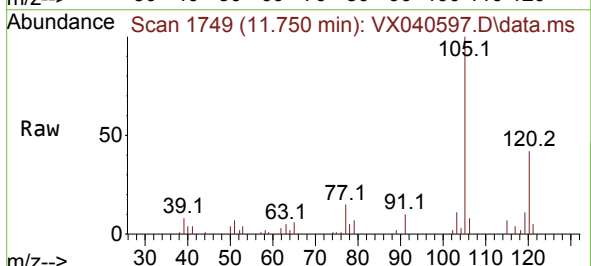
Acq: 06 Mar 2024 10:58

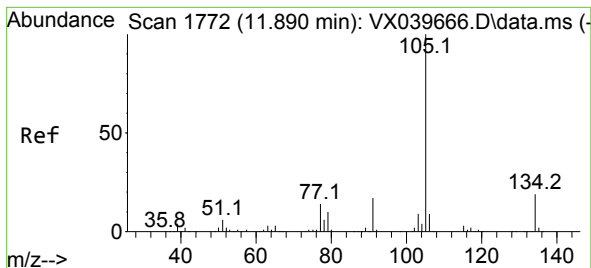
Tgt Ion:105 Resp: 9474

Ion Ratio Lower Upper

105 100

120 43.5 0.0 86.4





#81

sec-Butylbenzene

Concen: 2.343 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

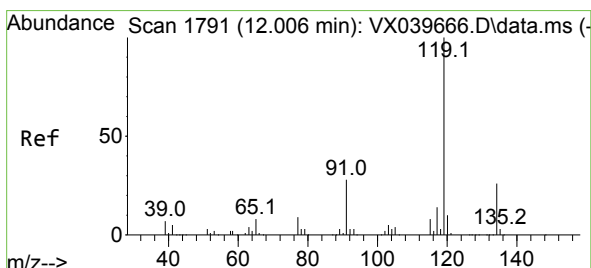
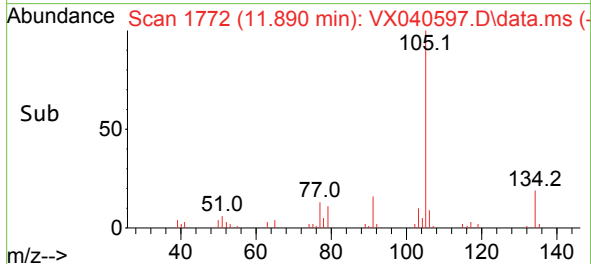
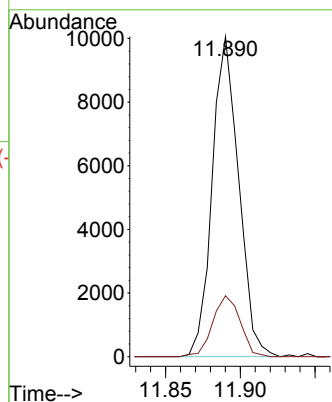
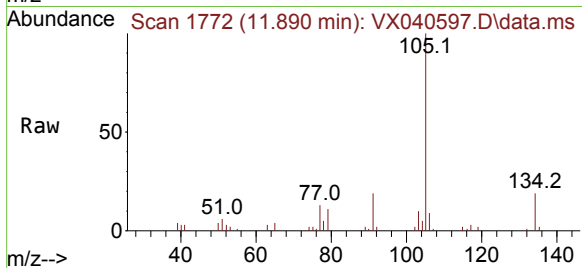
MDL-WATER-03-QT1-2024

Tgt Ion:105 Resp: 12375

Ion Ratio Lower Upper

105 100

134 19.8 0.0 38.4



#82

p-Isopropyltoluene

Concen: 2.263 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

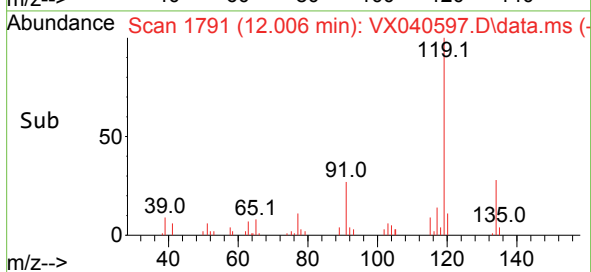
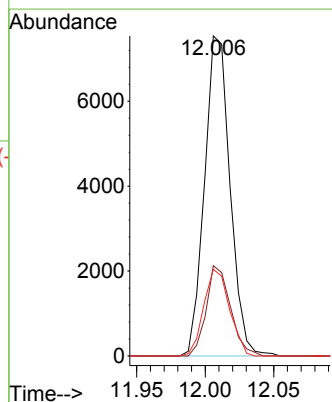
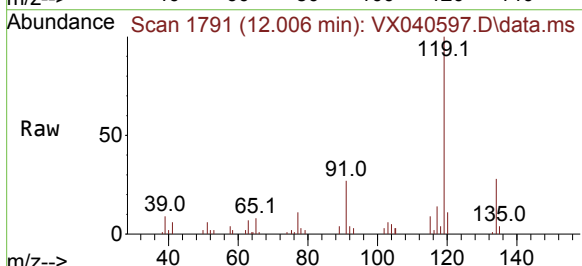
Tgt Ion:119 Resp: 9782

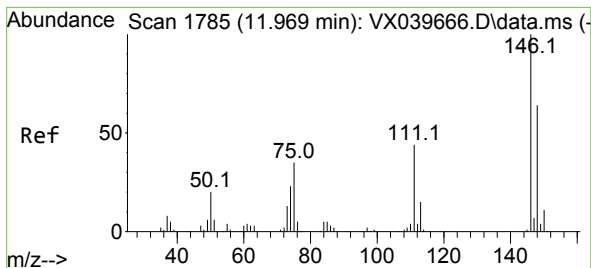
Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.6

91 27.3 0.0 54.2





#83

1,3-Dichlorobenzene

Concen: 2.512 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT1-2024

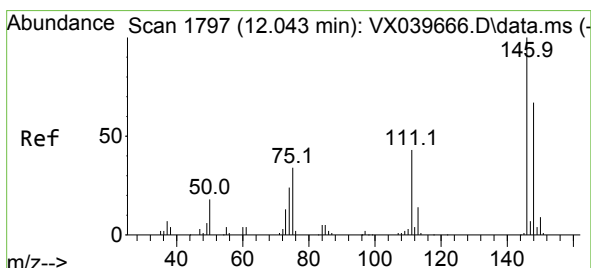
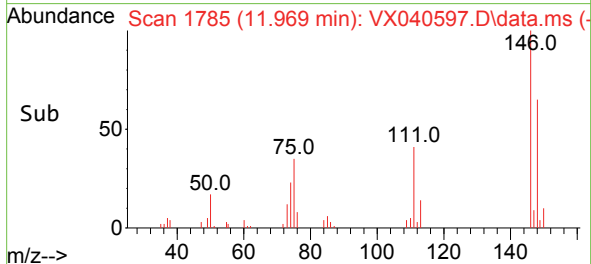
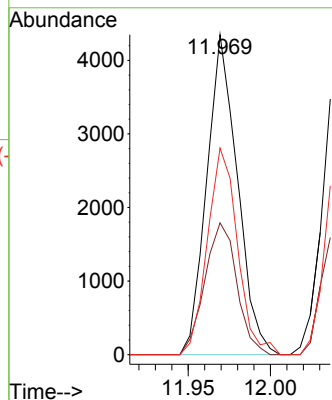
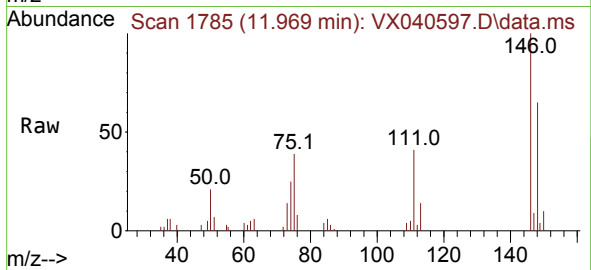
Tgt Ion:146 Resp: 5632

Ion Ratio Lower Upper

146 100

111 43.1 22.3 66.9

148 63.6 32.8 98.3



#84

1,4-Dichlorobenzene

Concen: 2.606 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.001 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

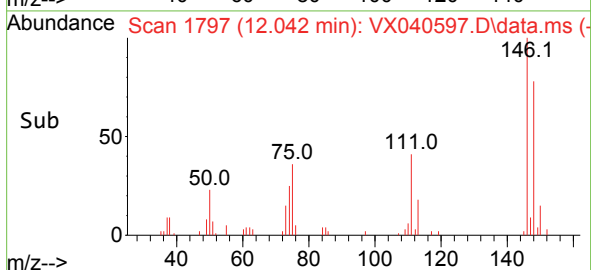
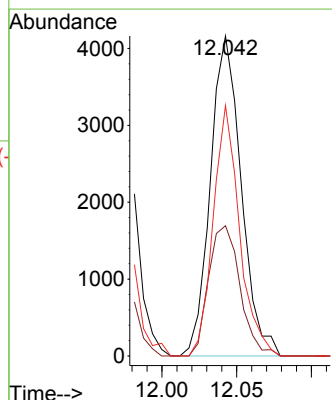
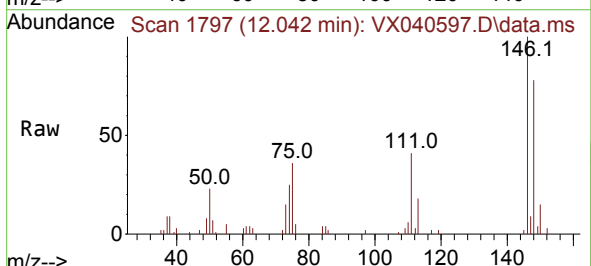
Tgt Ion:146 Resp: 5976

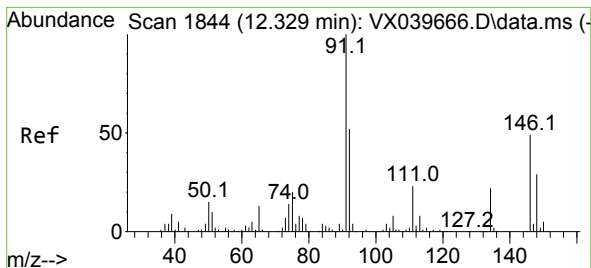
Ion Ratio Lower Upper

146 100

111 41.4 21.4 64.2

148 66.7 31.8 95.4





#85

n-Butylbenzene

Concen: 2.210 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT1-2024

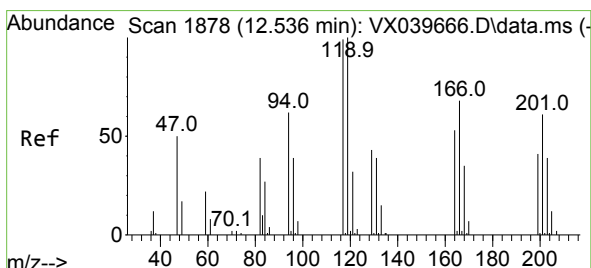
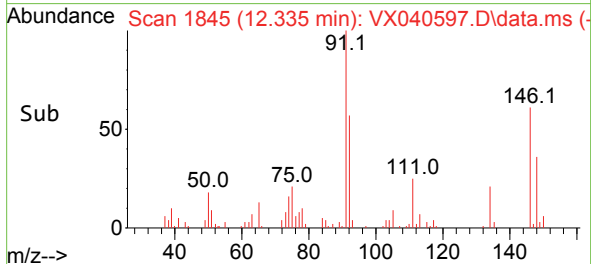
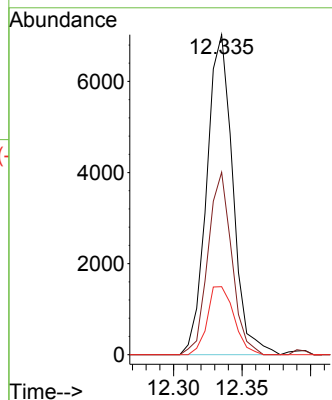
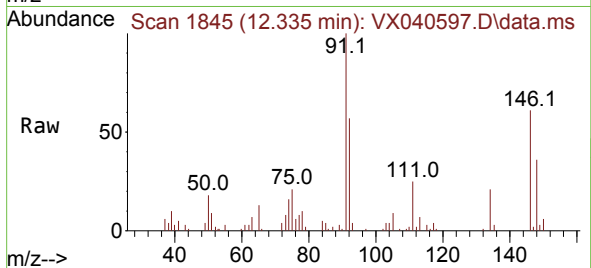
Tgt Ion: 91 Resp: 9295

Ion Ratio Lower Upper

91 100

92 52.1 0.0 106.2

134 21.7 0.0 48.8



#86

Hexachloroethane

Concen: 1.933 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX040597.D

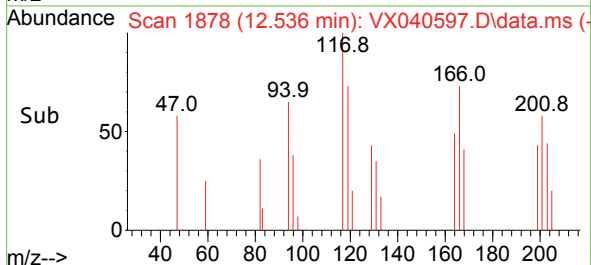
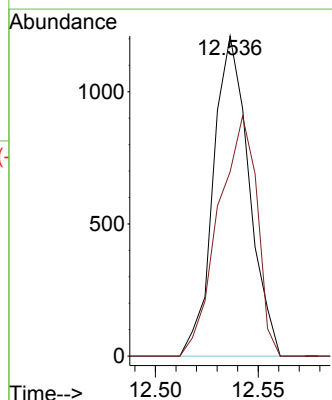
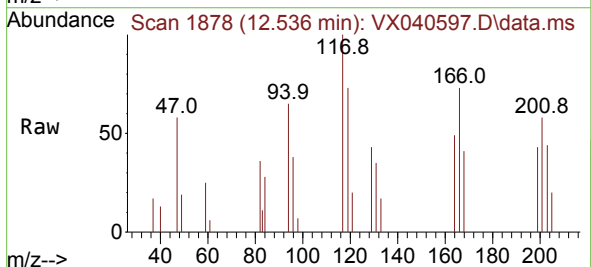
Acq: 06 Mar 2024 10:58

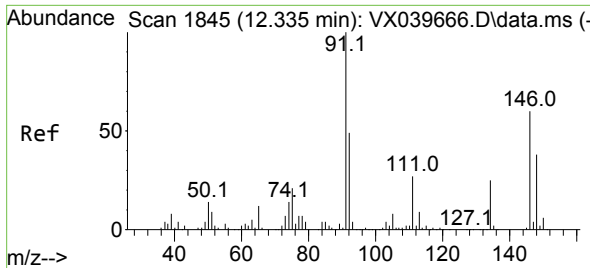
Tgt Ion: 117 Resp: 1458

Ion Ratio Lower Upper

117 100

201 81.3 31.8 95.3

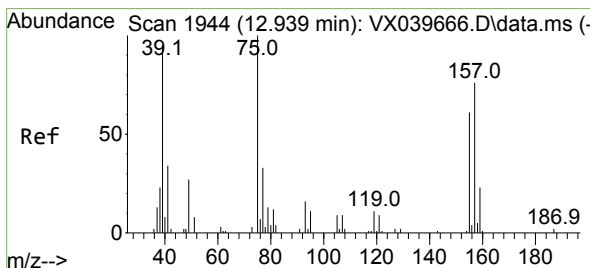
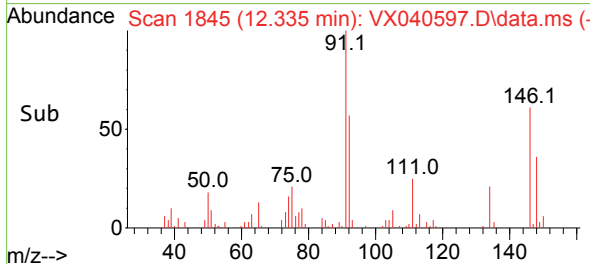
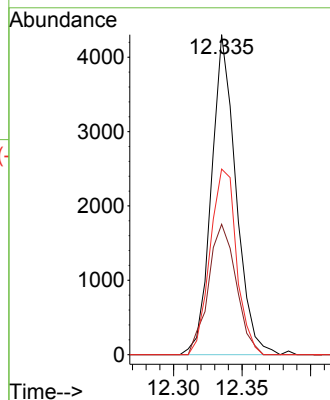
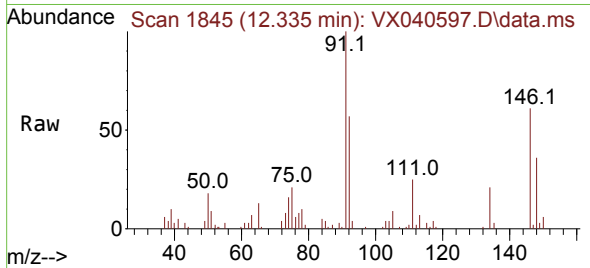




#87  
1,2-Dichlorobenzene  
Concen: 2.458 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

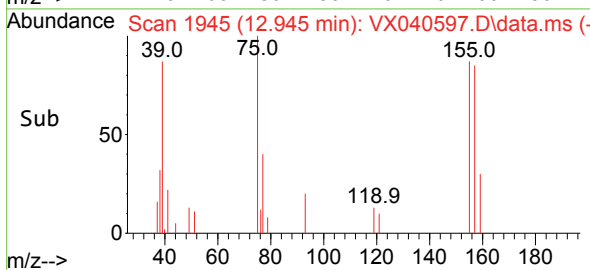
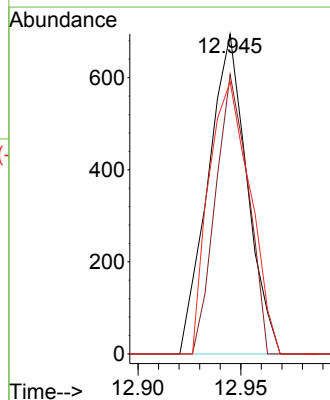
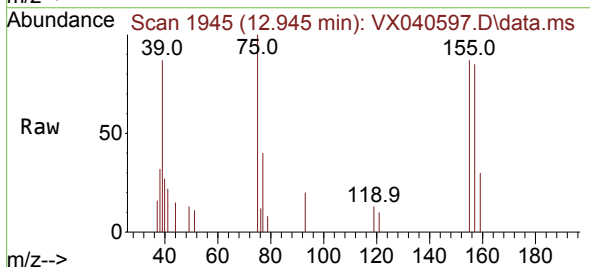
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

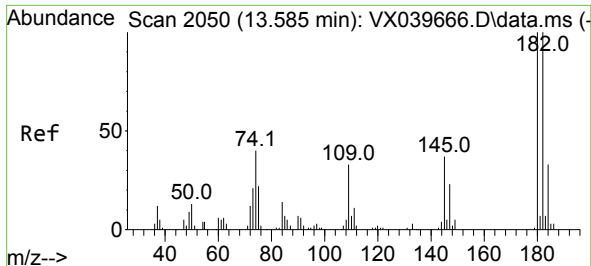
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 5356 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 46.0  | 22.4  | 67.2 |
| 148       | 62.4  | 31.9  | 95.7 |



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 2.010 ug/l  
RT: 12.945 min Scan# 1945  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 917   |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 73.0  | 58.2  | 87.4  |
| 157       | 90.2  | 76.5  | 114.7 |

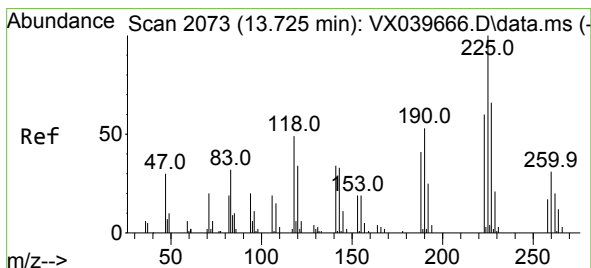
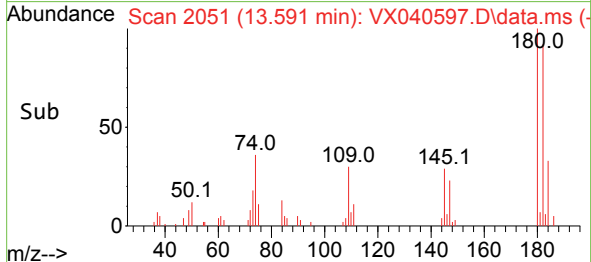
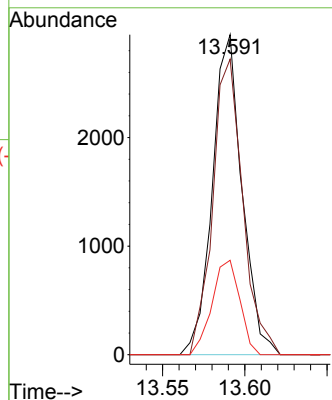
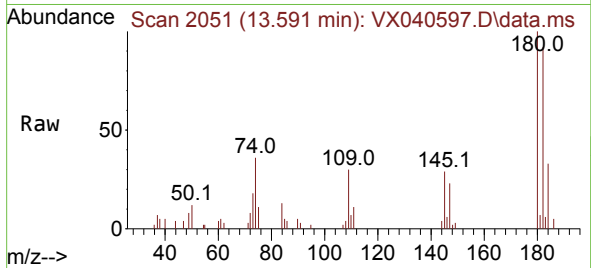




#89  
1,2,4-Trichlorobenzene  
Concen: 2.520 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

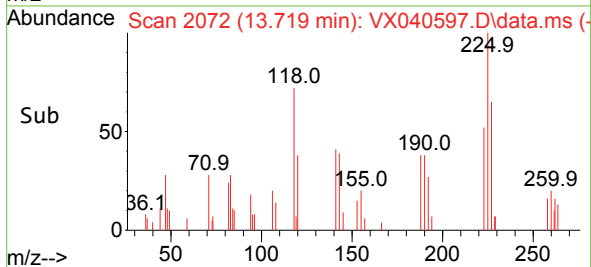
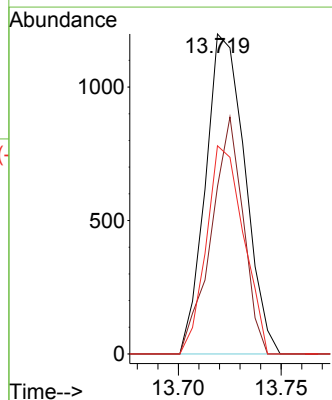
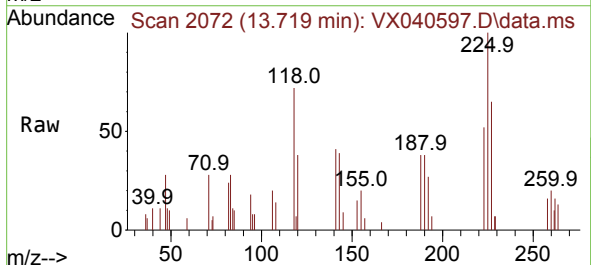
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT1-2024

Tgt Ion:180 Resp: 3697  
Ion Ratio Lower Upper  
180 100  
182 93.5 74.5 111.7  
145 27.7 26.6 40.0

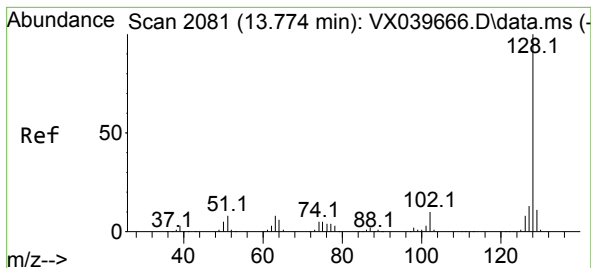


#90  
Hexachlorobutadiene  
Concen: 2.695 ug/l  
RT: 13.719 min Scan# 2072  
Delta R.T. -0.006 min  
Lab File: VX040597.D  
Acq: 06 Mar 2024 10:58

Tgt Ion:225 Resp: 1599  
Ion Ratio Lower Upper  
225 100  
223 59.7 0.0 124.4  
227 61.7 0.0 124.4







#91

Naphthalene

Concen: 2.142 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT1-2024

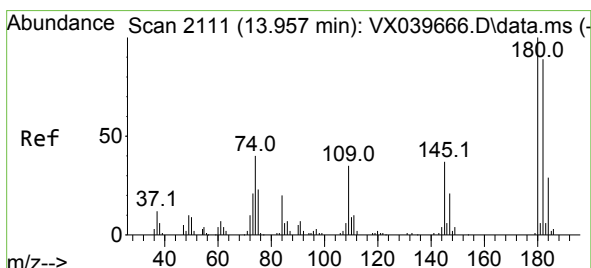
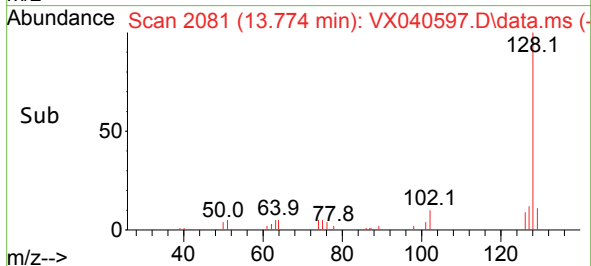
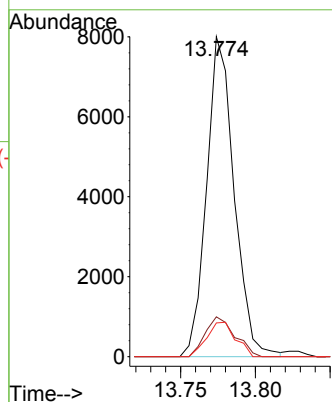
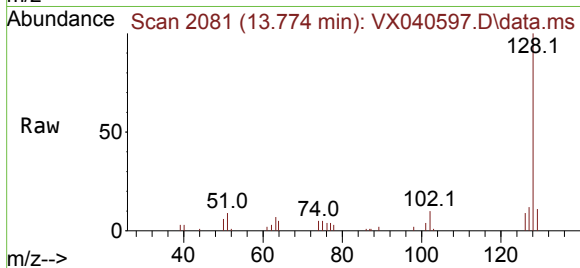
Tgt Ion:128 Resp: 10249

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

129 11.3 8.6 12.8



#92

1,2,3-Trichlorobenzene

Concen: 2.368 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX040597.D

Acq: 06 Mar 2024 10:58

Tgt Ion:180 Resp: 3426

Ion Ratio Lower Upper

180 100

182 96.5 0.0 191.6

145 38.0 0.0 69.6

