

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW040623\  
 Data File : VW030409.D  
 Acq On : 06 Apr 2023 11:36  
 Operator : SY/MD  
 Sample : 02215-01  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL-WATER-QT2-2023-03

Quant Time: Apr 07 04:49:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 31 05:37:21 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.545  | 114            | 123102   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.792  | 117            | 119181   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152            | 59255    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65             | 39150    | 4.802  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 96.000%  |          |
| 7) Chloroethane-d5            | 1.535  | 69             | 39518    | 4.995  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 99.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.063  | 63             | 72146    | 3.729  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 74.600%  |          |
| 20) 2-Butanone-d5             | 3.834  | 46             | 25017    | 11.871 | ug/L     | 0.02     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 23.740%# |          |
| 24) Chloroform-d              | 4.259  | 84             | 97281    | 4.930  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 98.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.953  | 65             | 49510    | 5.318  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 106.400% |          |
| 32) Benzene-d6                | 4.969  | 84             | 173838   | 5.176  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 103.600% |          |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67             | 55897    | 5.316  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 106.400% |          |
| 41) Toluene-d8                | 7.252  | 98             | 152526   | 4.946  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 99.000%  |          |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79             | 18446    | 4.660  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 93.200%  |          |
| 46) 2-Hexanone-d5             | 8.037  | 63             | 75355    | 47.371 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 94.740%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84             | 39343    | 4.748  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 95.000%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.570 | 152            | 58276    | 5.503  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 110.000% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85             | 3200     | 0.204  | ug/L #   | 87       |
| 3) Chloromethane              | 1.217  | 50             | 7238     | 0.367  | ug/L     | 99       |
| 5) Vinyl chloride             | 1.285  | 62             | 3391     | 0.236  | ug/L #   | 79       |
| 6) Bromomethane               | 1.490  | 94             | 1545     | 0.376  | ug/L     | 86       |
| 8) Chloroethane               | 1.555  | 64             | 2222     | 0.269  | ug/L     | 97       |
| 9) Trichlorofluoromethane     | 1.715  | 101            | 5023     | 0.239  | ug/L     | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101            | 3228     | 0.279  | ug/L     | 86       |
| 12) 1,1-Dichloroethene        | 2.069  | 96             | 2865     | 0.279  | ug/L #   | 1        |
| 13) Acetone                   | 2.166  | 43             | 3112     | 1.544  | ug/L     | 73       |
| 14) Carbon disulfide          | 2.243  | 76             | 7306     | 0.216  | ug/L #   | 94       |
| 16) Methylene chloride        | 2.452  | 84             | 15116    | 1.242  | ug/L     | 98       |
| 17) Methyl tert-butyl Ether   | 2.722  | 73             | 4516     | 0.207  | ug/L #   | 81       |
| 18) trans-1,2-Dichloroethene  | 2.703  | 96             | 2197     | 0.203  | ug/L     | 99       |
| 19) 1,1-Dichloroethane        | 3.124  | 63             | 4693     | 0.223  | ug/L     | 95       |
| 22) cis-1,2-Dichloroethene    | 3.834  | 96             | 2763     | 0.254  | ug/L #   | 61       |
| 23) Bromochloromethane        | 4.159  | 128            | 1185     | 0.233  | ug/L #   | 92       |
| 27) 1,2-Dichloroethane        | 5.056  | 62             | 3046     | 0.237  | ug/L #   | 88       |
| 29) 1,1,1-Trichloroethane     | 4.519  | 97             | 4417     | 0.231  | ug/L #   | 92       |
| 30) Cyclohexane               | 4.593  | 56             | 3729     | 0.214  | ug/L     | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040623\  
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 Operator : SY/MD  
 Sample : 02215-01  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

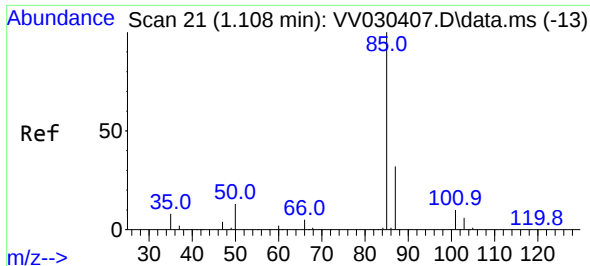
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL-WATER-QT2-2023-03

Quant Time: Apr 07 04:49:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 31 05:37:21 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 31) Carbon tetrachloride      | 4.747  | 117  | 3848     | 0.221 | ug/L   | 99       |
| 33) Benzene                   | 5.027  | 78   | 9337     | 0.221 | ug/L   | 100      |
| 34) Trichloroethene           | 5.844  | 95   | 2404     | 0.211 | ug/L   | 89       |
| 35) Methylcyclohexane         | 6.063  | 83   | 4203     | 0.235 | ug/L   | 90       |
| 37) 1,2-Dichloropropane       | 6.111  | 63   | 2090     | 0.192 | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.448  | 83   | 3285     | 0.231 | ug/L # | 82       |
| 39) cis-1,3-Dichloropropene   | 6.969  | 75   | 3258     | 0.213 | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 7.178  | 43   | 9217     | 1.610 | ug/L # | 88       |
| 42) Toluene                   | 7.329  | 91   | 9631     | 0.214 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 7.596  | 75   | 2367     | 0.182 | ug/L   | 90       |
| 45) 1,1,2-Trichloroethane     | 7.786  | 97   | 1686     | 0.220 | ug/L   | 95       |
| 47) Tetrachloroethene         | 7.915  | 164  | 2055     | 0.204 | ug/L   | 84       |
| 48) 2-Hexanone                | 8.095  | 43   | 12100    | 2.821 | ug/L # | 95       |
| 49) Dibromochloromethane      | 8.188  | 129  | 2119     | 0.233 | ug/L   | 90       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 1715     | 0.246 | ug/L # | 70       |
| 51) Chlorobenzene             | 8.825  | 112  | 6485     | 0.225 | ug/L   | 91       |
| 52) Ethylbenzene              | 8.956  | 91   | 9046     | 0.183 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.085  | 106  | 3862     | 0.205 | ug/L   | 78       |
| 54) o-Xylene                  | 9.490  | 106  | 3140     | 0.174 | ug/L   | 71       |
| 55) Styrene                   | 9.509  | 104  | 5652     | 0.184 | ug/L   | 89       |
| 57) 1,1,2,2-Tetrachloroethane | 10.191 | 83   | 2164     | 0.238 | ug/L # | 91       |
| 59) Bromoform                 | 9.677  | 173  | 1125     | 0.235 | ug/L # | 91       |
| 60) Isopropylbenzene          | 9.876  | 105  | 9396     | 0.215 | ug/L   | 95       |
| 61) 1,2,3-Trichloropropane    | 10.220 | 75   | 1245     | 0.235 | ug/L # | 83       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 7700     | 0.216 | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 7796     | 0.215 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.127 | 146  | 4900     | 0.225 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.223 | 146  | 4972     | 0.226 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.590 | 146  | 4924     | 0.251 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.384 | 75   | 482      | 0.366 | ug/L # | 80       |
| 69) 1,3,5-Trichlorobenzene    | 12.593 | 180  | 4240     | 0.253 | ug/L   | 88       |
| 70) 1,2,4-trichlorobenzene    | 13.210 | 180  | 2998     | 0.231 | ug/L   | 95       |
| 71) Naphthalene               | 13.451 | 128  | 4291     | 0.232 | ug/L # | 85       |
| 72) 1,2,3-Trichlorobenzene    | 13.689 | 180  | 2485     | 0.221 | ug/L   | 98       |

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

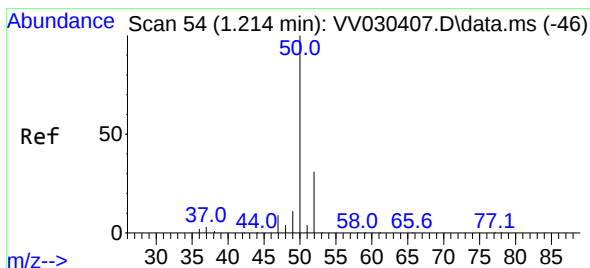
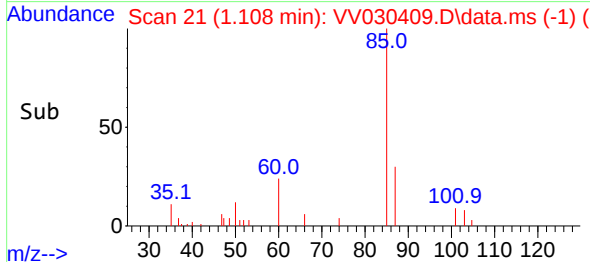
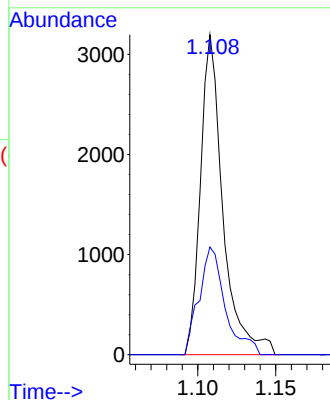
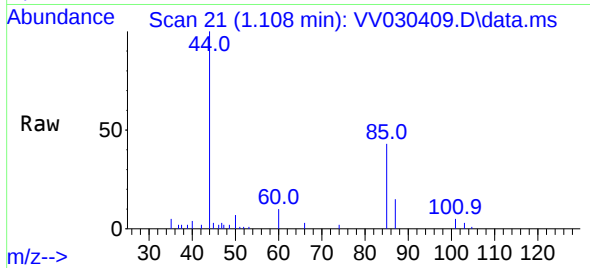




#2  
 Dichlorodifluoromethane  
 Concen: 0.204 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV030409.D  
 Acq: 06 Apr 2023 11:36

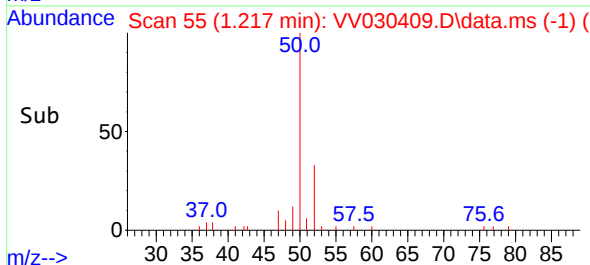
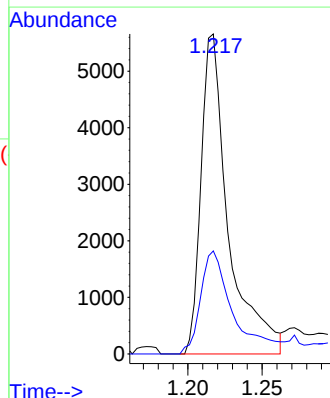
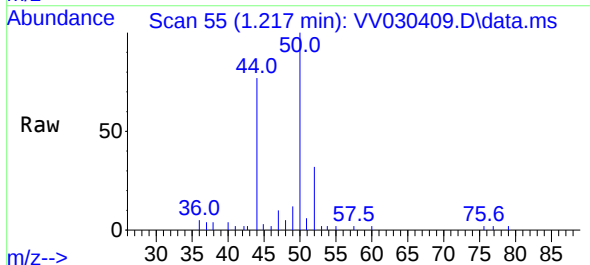
Instrument : MSVOA\_V  
 ClientSampleId : MDL-WATER-QT2-2023-03

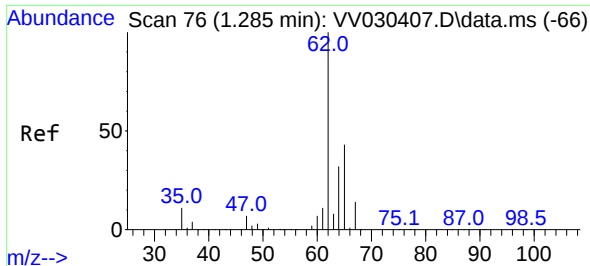
Tgt Ion: 85 Resp: 3200  
 Ion Ratio Lower Upper  
 85 100  
 87 39.3 25.6 38.4#



#3  
 Chloromethane  
 Concen: 0.367 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VV030409.D  
 Acq: 06 Apr 2023 11:36

Tgt Ion: 50 Resp: 7238  
 Ion Ratio Lower Upper  
 50 100  
 52 32.2 22.3 41.5

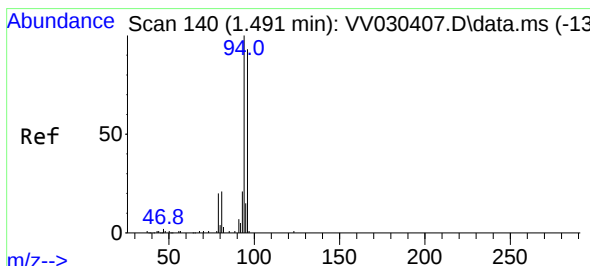
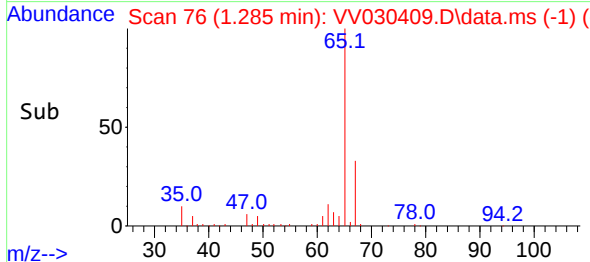
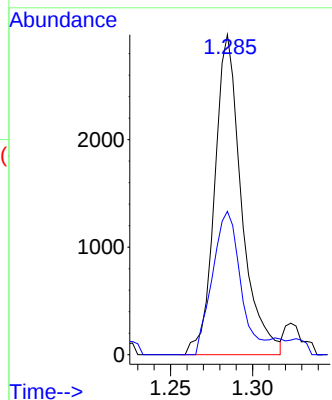
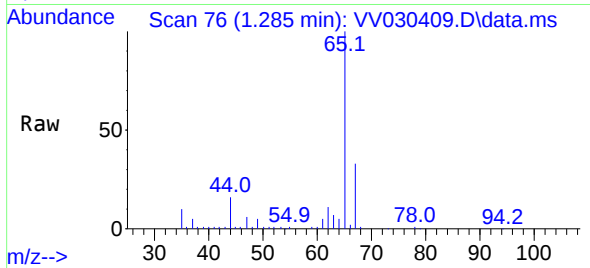




#5  
 Vinyl chloride  
 Concen: 0.236 ug/L  
 RT: 1.285 min Scan# 76  
 Delta R.T. -0.000 min  
 Lab File: VV030409.D  
 Acq: 06 Apr 2023 11:36

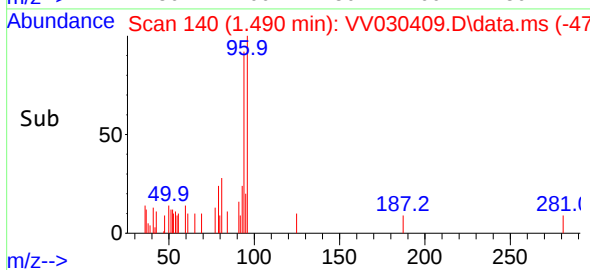
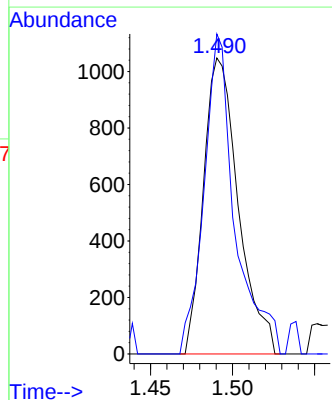
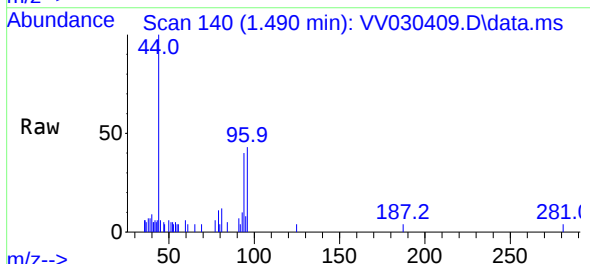
Instrument :  
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 MDL-WATER-QT2-2023-03

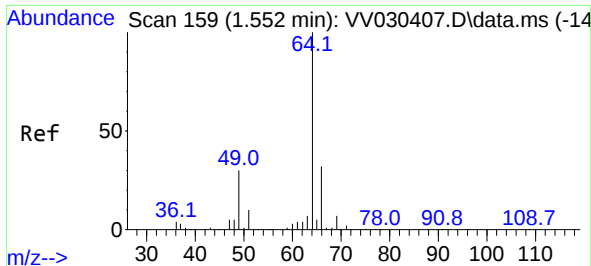
Tgt Ion: 62 Resp: 3391  
 Ion Ratio Lower Upper  
 62 100  
 64 44.8 23.2 43.2#



#6  
 Bromomethane  
 Concen: 0.376 ug/L  
 RT: 1.490 min Scan# 140  
 Delta R.T. -0.000 min  
 Lab File: VV030409.D  
 Acq: 06 Apr 2023 11:36

Tgt Ion: 94 Resp: 1545  
 Ion Ratio Lower Upper  
 94 100  
 96 108.1 66.1 122.7

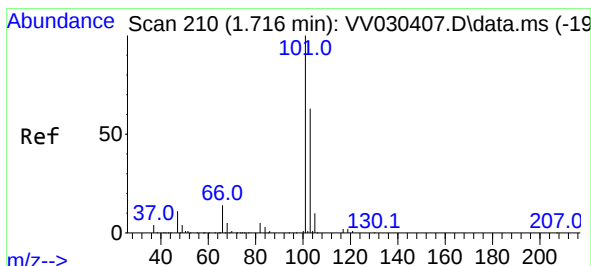
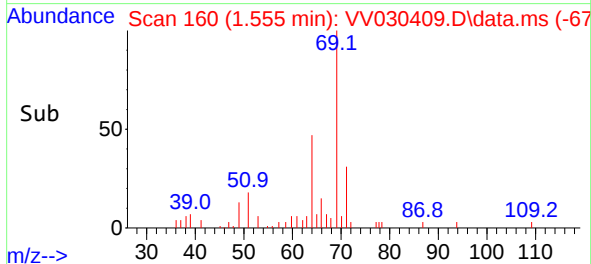
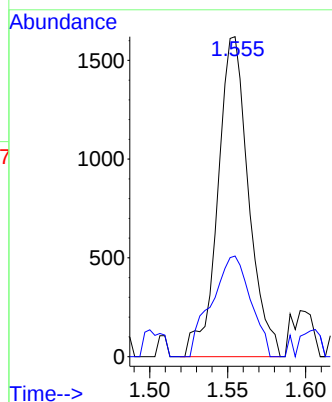
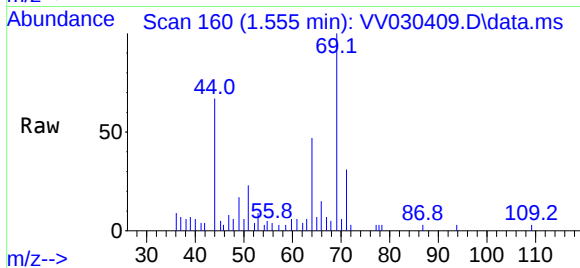




#8  
Chloroethane  
Concen: 0.269 ug/L  
RT: 1.555 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

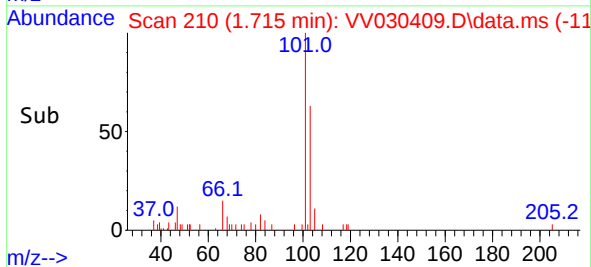
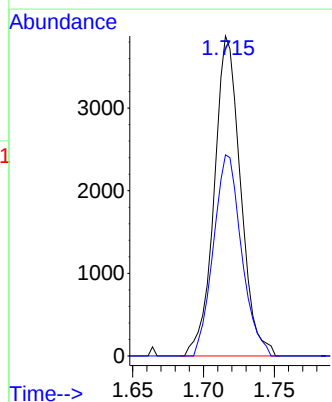
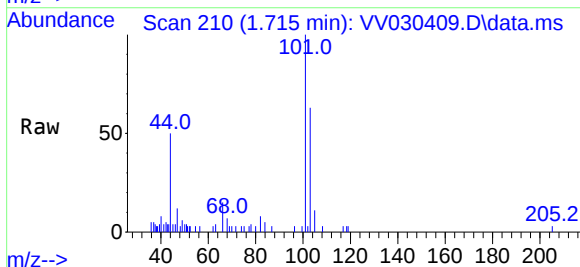
Instrument :  
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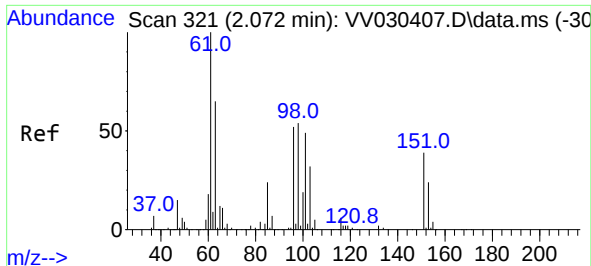
Tgt Ion: 64 Resp: 2222  
Ion Ratio Lower Upper  
64 100  
66 31.4 23.0 42.8



#9  
Trichlorofluoromethane  
Concen: 0.239 ug/L  
RT: 1.715 min Scan# 210  
Delta R.T. -0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion: 101 Resp: 5023  
Ion Ratio Lower Upper  
101 100  
103 66.9 51.0 76.6

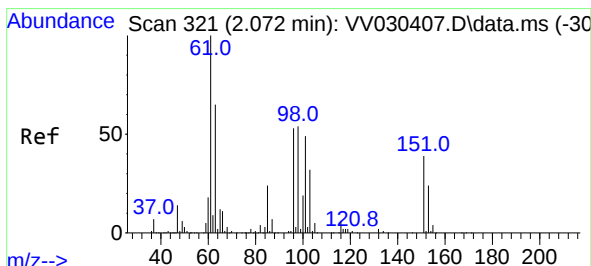
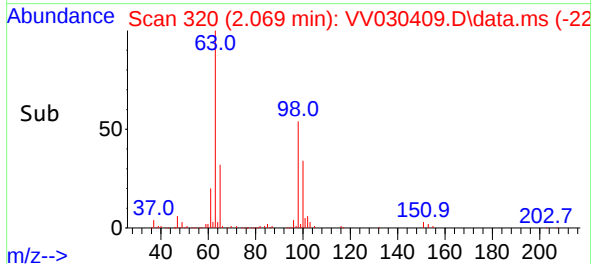
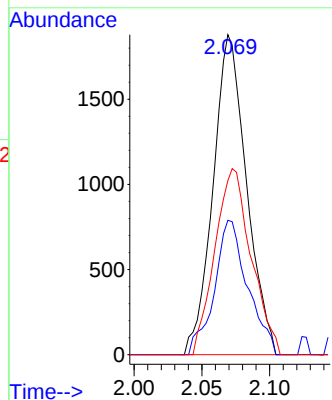
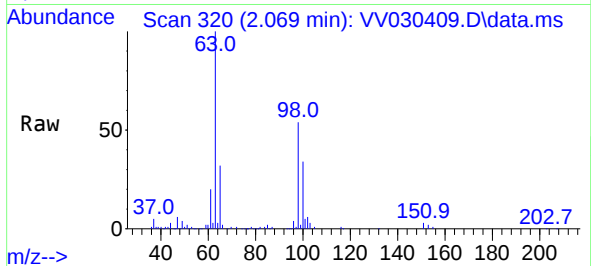




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.279 ug/L  
RT: 2.069 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

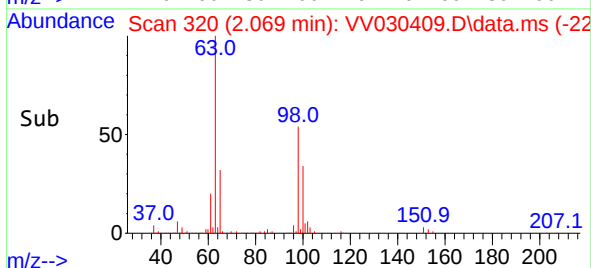
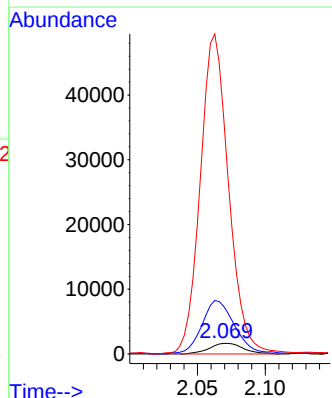
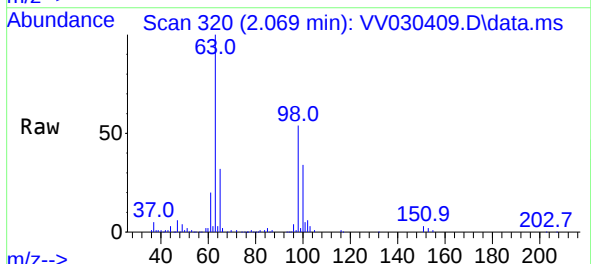
Instrument :  
MSVOA\_V  
ClientSampleId :  
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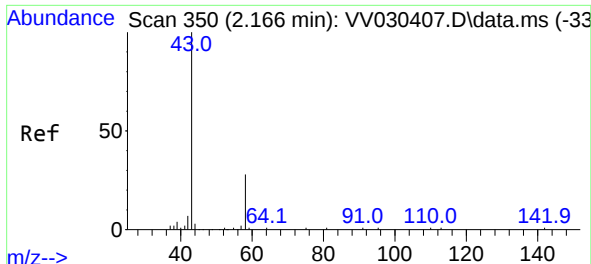
Tgt Ion:101 Resp: 3228  
Ion Ratio Lower Upper  
101 100  
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151 63.0 62.7 94.1



#12  
1,1-Dichloroethene  
Concen: 0.279 ug/L  
RT: 2.069 min Scan# 320  
Delta R.T. -0.007 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion: 96 Resp: 2865  
Ion Ratio Lower Upper  
96 100  
61 451.6 136.3 253.1#  
63 2251.3 92.1 171.1#





#13

Acetone

Concen: 1.544 ug/L

RT: 2.166 min Scan# 311

Delta R.T. 0.019 min

Lab File: VV030409.D

Acq: 06 Apr 2023 11:36

Instrument :

MSVOA\_V

ClientSampleId :

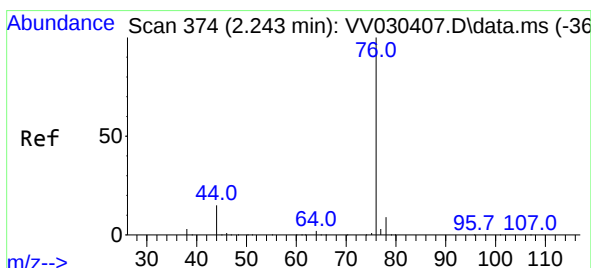
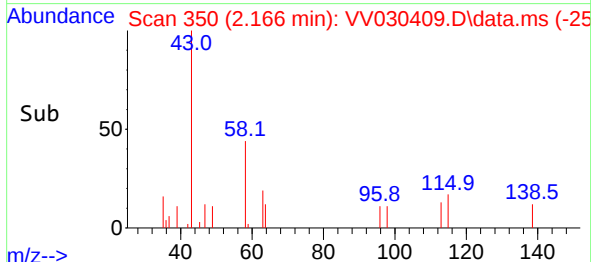
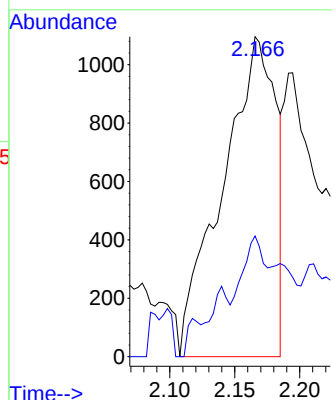
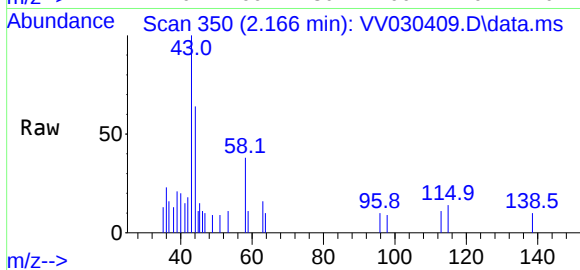
MDL-WATER-QT2-2023-03

Tgt Ion: 43 Resp: 3112

Ion Ratio Lower Upper

43 100

58 7.9 0.0 40.8



#14

Carbon disulfide

Concen: 0.216 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV030409.D

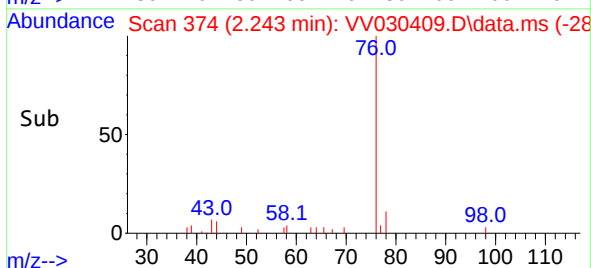
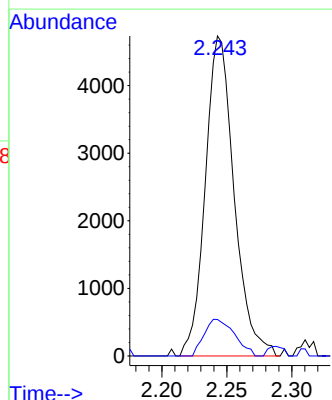
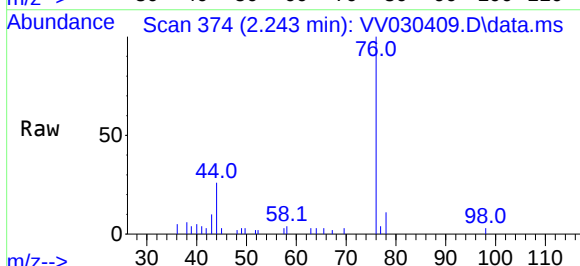
Acq: 06 Apr 2023 11:36

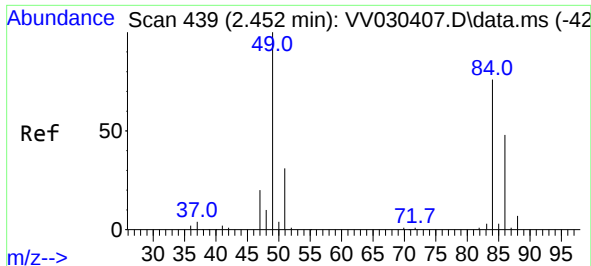
Tgt Ion: 76 Resp: 7306

Ion Ratio Lower Upper

76 100

78 11.4 7.3 10.9#



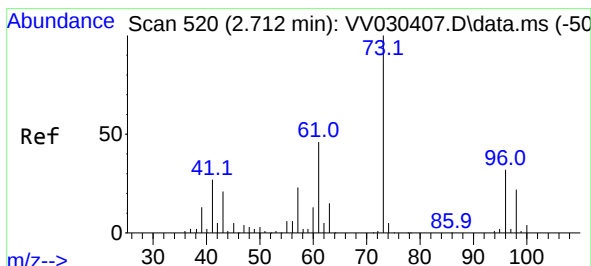
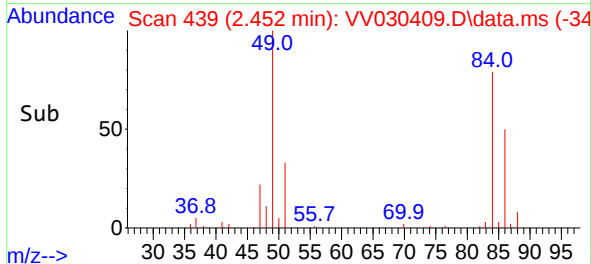
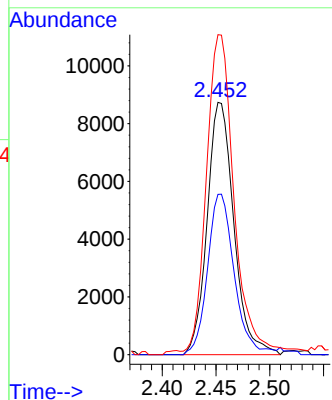
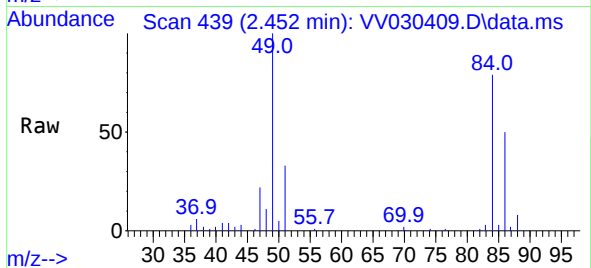


#16  
Methylene chloride  
Concen: 1.242 ug/L  
RT: 2.452 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Instrument : MSVOA\_V  
ClientSampleId : MDL-WATER-QT2-2023-03

Tgt Ion: 84 Resp: 15116

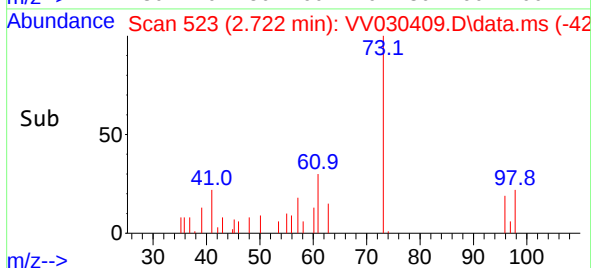
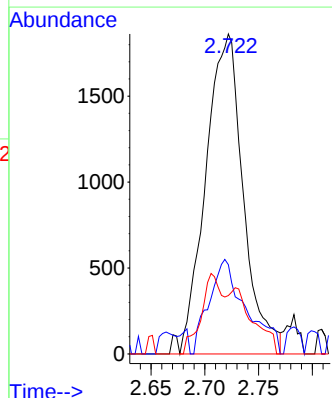
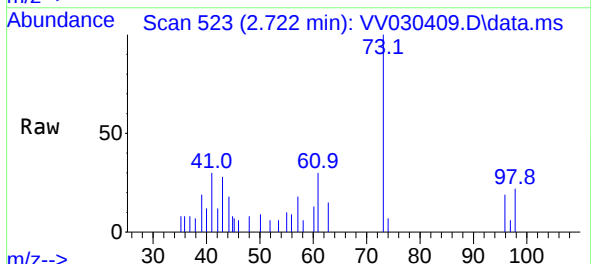
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 63.5  | 44.0  | 81.6  |
| 49  | 126.8 | 90.6  | 168.3 |

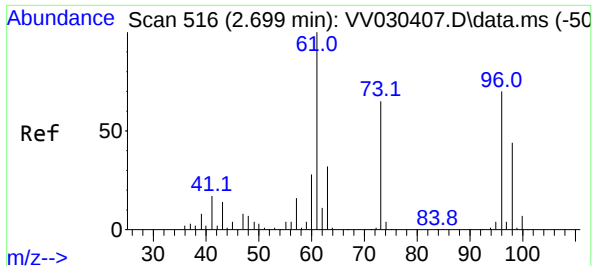


#17  
Methyl tert-butyl Ether  
Concen: 0.207 ug/L  
RT: 2.722 min Scan# 523  
Delta R.T. 0.010 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion: 73 Resp: 4516

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 29.2  | 17.4  | 26.2# |
| 57  | 12.5  | 18.3  | 27.5# |

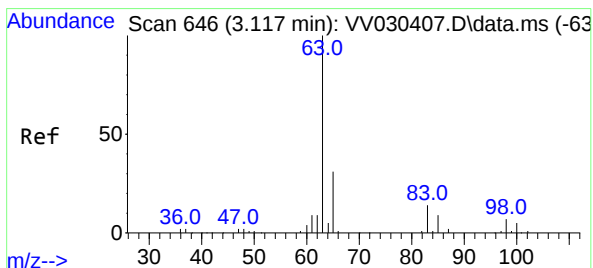
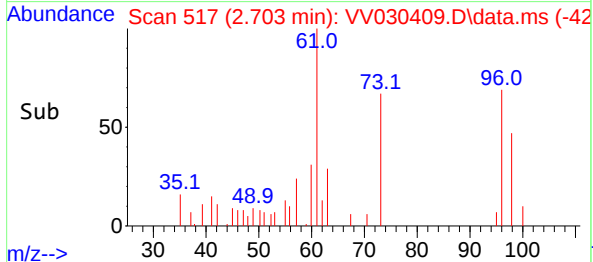
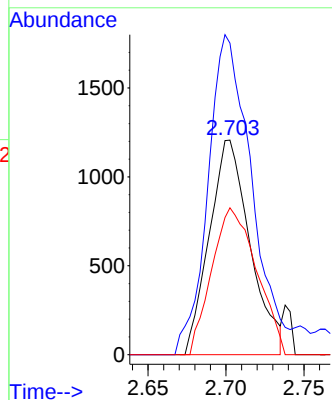
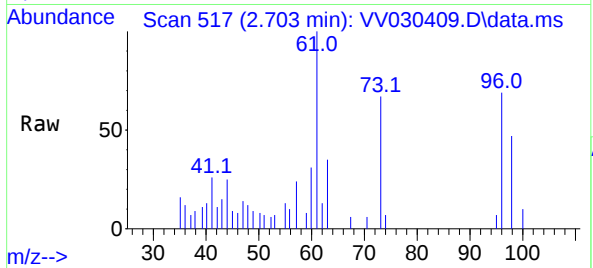




#18  
trans-1,2-Dichloroethene  
Concen: 0.203 ug/L  
RT: 2.703 min Scan# 517  
Delta R.T. 0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

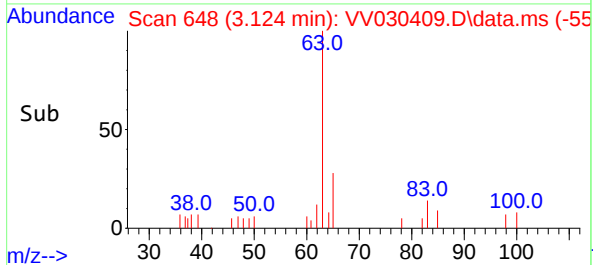
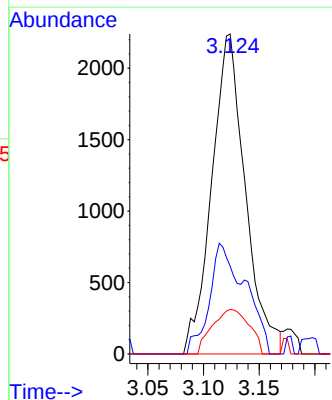
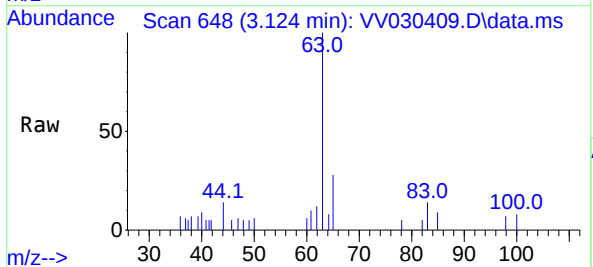
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2023-03

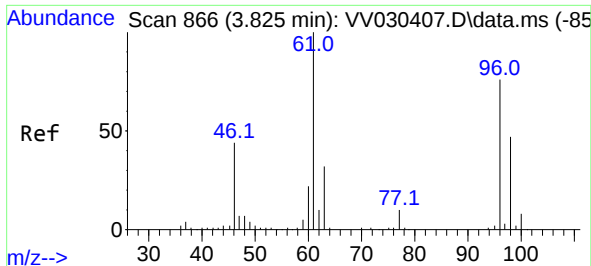
Tgt Ion: 96 Resp: 2197  
Ion Ratio Lower Upper  
96 100  
61 145.2 101.7 188.9  
98 68.4 45.8 85.2



#19  
1,1-Dichloroethane  
Concen: 0.223 ug/L  
RT: 3.124 min Scan# 648  
Delta R.T. 0.006 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion: 63 Resp: 4693  
Ion Ratio Lower Upper  
63 100  
65 27.5 21.7 40.3  
83 13.9 9.1 16.9

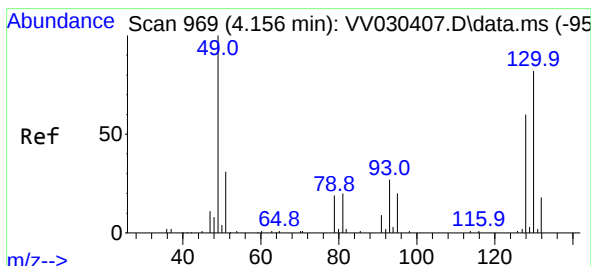
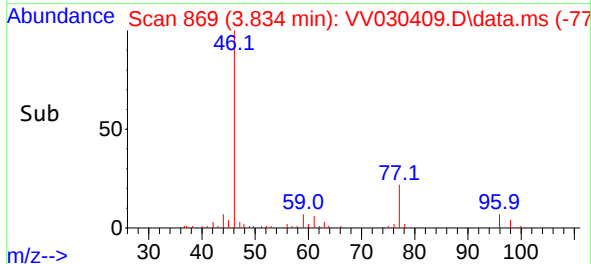
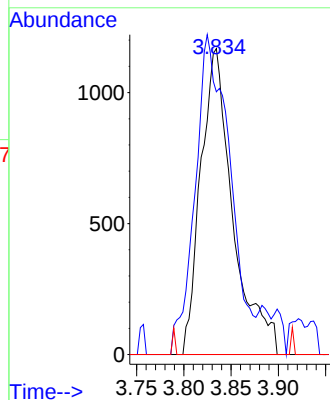
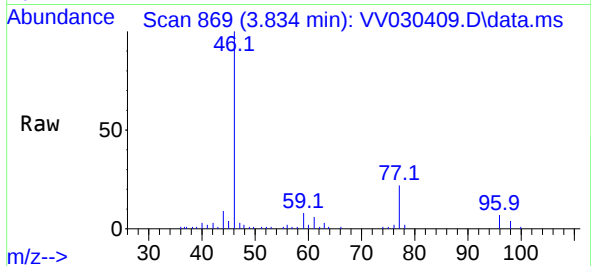




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.254 ug/L  
 RT: 3.834 min Scan# 80  
 Delta R.T. 0.009 min  
 Lab File: VV030409.D  
 Acq: 06 Apr 2023 11:36

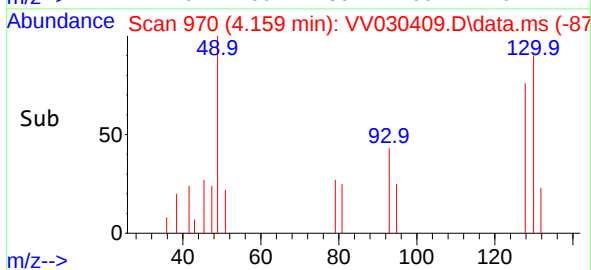
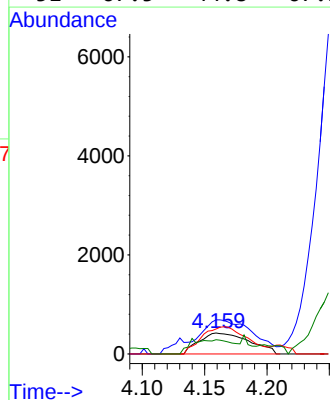
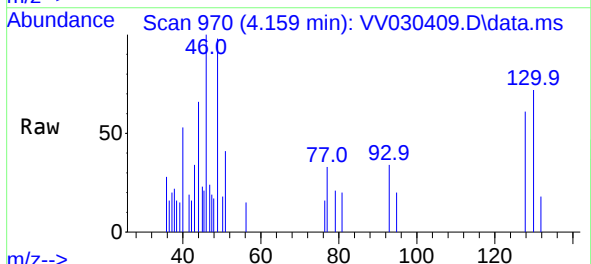
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL-WATER-QT2-2023-03

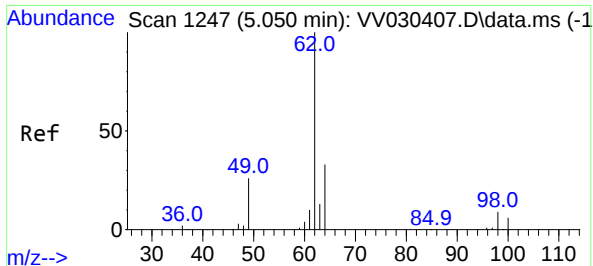
Tgt Ion: 96 Resp: 2763  
 Ion Ratio Lower Upper  
 96 100  
 61 85.9 92.0 170.8#  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 0.233 ug/L  
 RT: 4.159 min Scan# 970  
 Delta R.T. 0.003 min  
 Lab File: VV030409.D  
 Acq: 06 Apr 2023 11:36

Tgt Ion: 128 Resp: 1185  
 Ion Ratio Lower Upper  
 128 100  
 49 162.3 119.4 221.8  
 130 118.9 89.2 165.8  
 51 67.5 44.8 67.2#

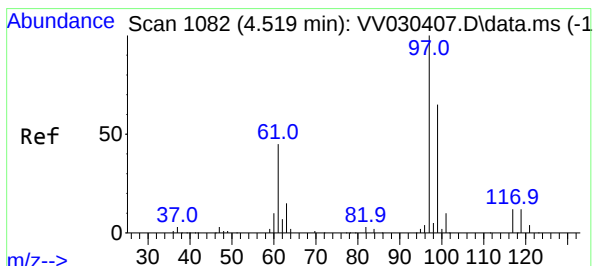
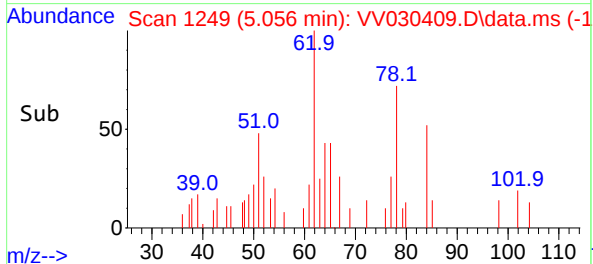
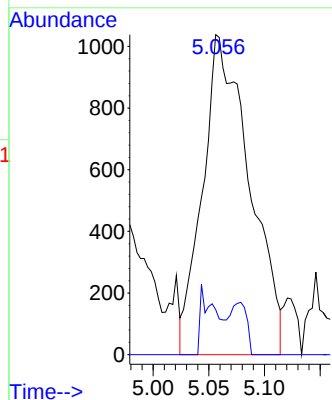
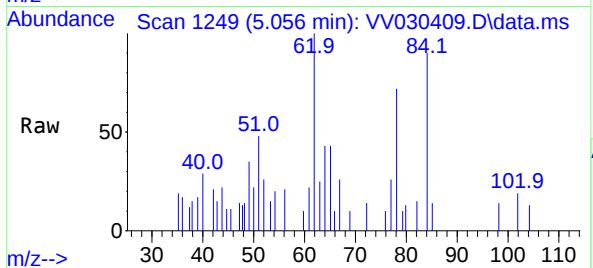




#27  
1,2-Dichloroethane  
Concen: 0.237 ug/L  
RT: 5.056 min Scan# 1247  
Delta R.T. 0.006 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

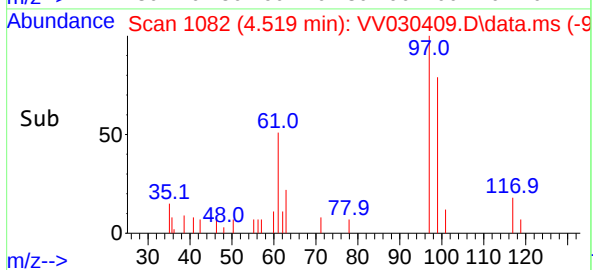
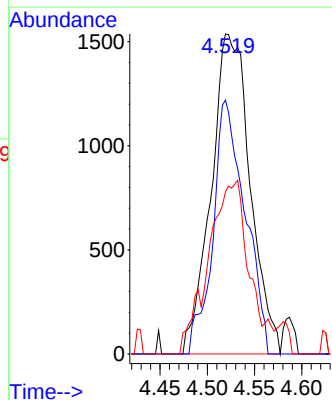
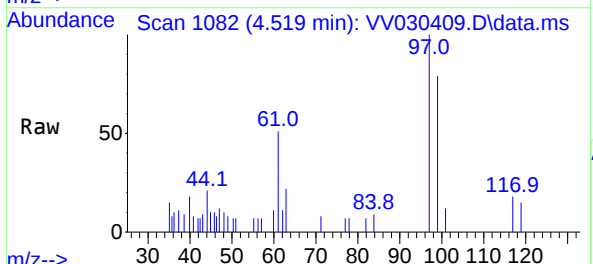
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2023-03

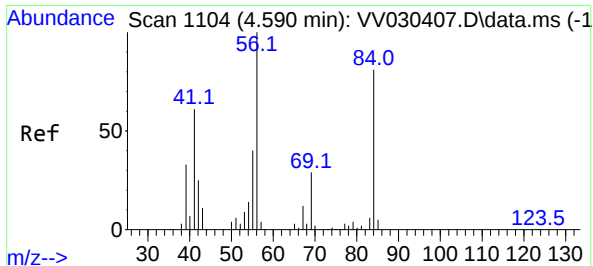
Tgt Ion: 62 Resp: 3046  
Ion Ratio Lower Upper  
62 100  
98 14.1 7.8 11.8#



#29  
1,1,1-Trichloroethane  
Concen: 0.231 ug/L  
RT: 4.519 min Scan# 1082  
Delta R.T. -0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion: 97 Resp: 4417  
Ion Ratio Lower Upper  
97 100  
99 65.4 50.9 76.3  
61 54.7 35.9 53.9#





#30

Cyclohexane

Concen: 0.214 ug/L

RT: 4.593 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV030409.D

Acq: 06 Apr 2023 11:36

Instrument :

MSVOA\_V

ClientSampleId :

MDL-WATER-QT2-2023-03

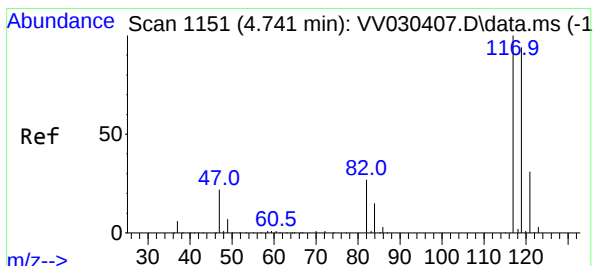
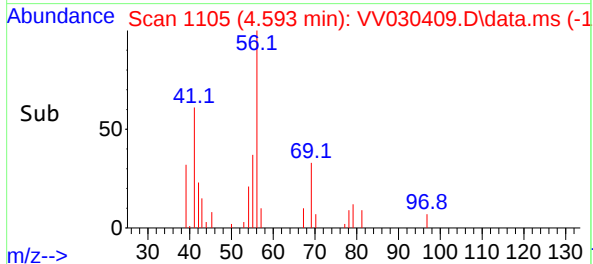
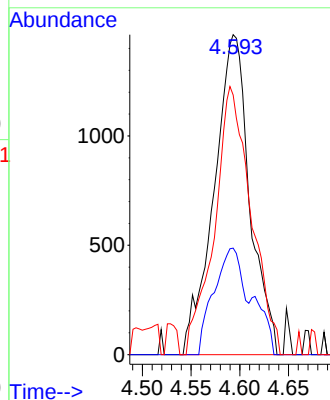
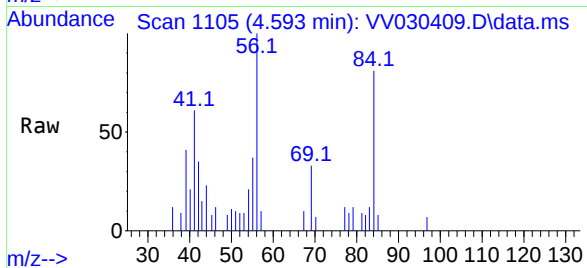
Tgt Ion: 56 Resp: 3729

Ion Ratio Lower Upper

56 100

69 27.4 24.2 36.2

84 85.6 66.6 100.0



#31

Carbon tetrachloride

Concen: 0.221 ug/L

RT: 4.747 min Scan# 1153

Delta R.T. 0.003 min

Lab File: VV030409.D

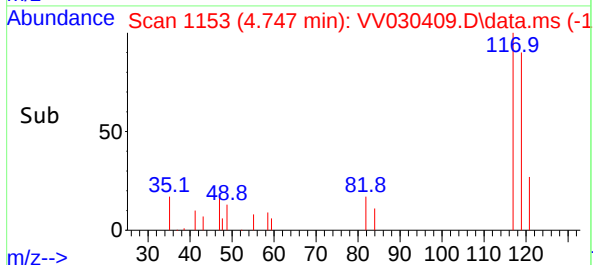
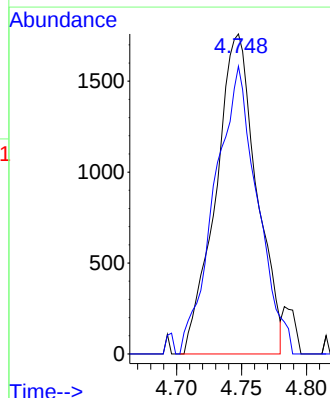
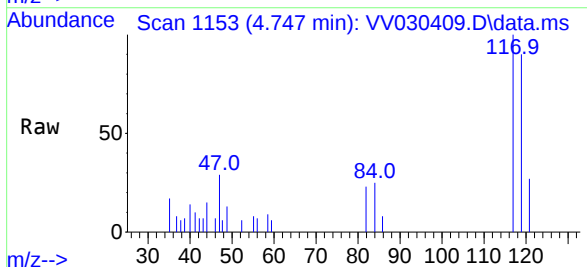
Acq: 06 Apr 2023 11:36

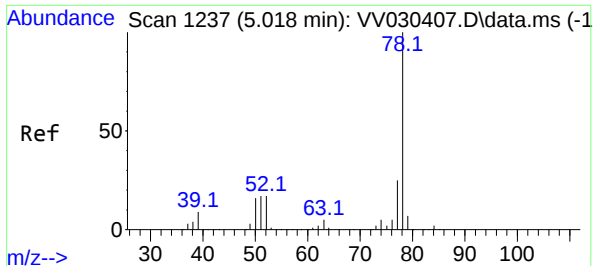
Tgt Ion: 117 Resp: 3848

Ion Ratio Lower Upper

117 100

119 94.2 76.2 114.4

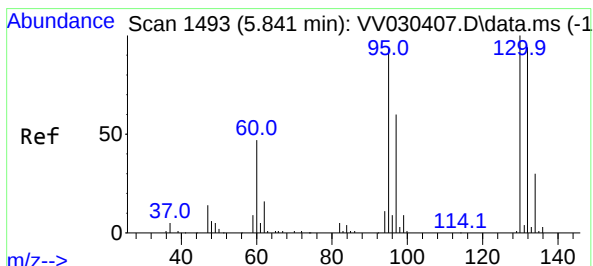
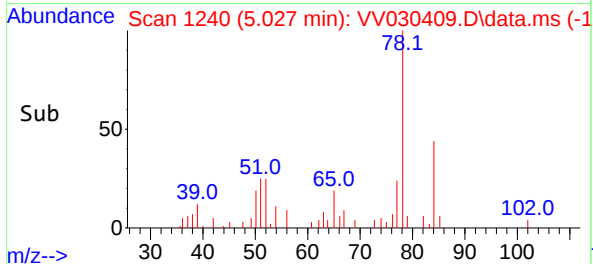
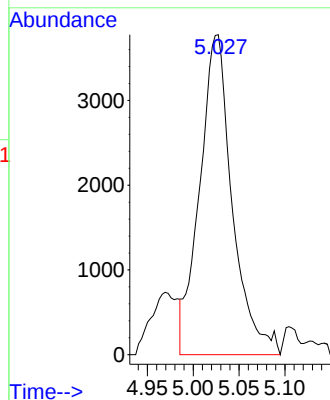
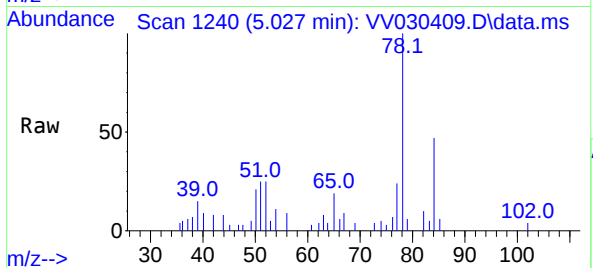




#33  
Benzene  
Concen: 0.221 ug/L  
RT: 5.027 min Scan# 11  
Delta R.T. 0.009 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2023-03

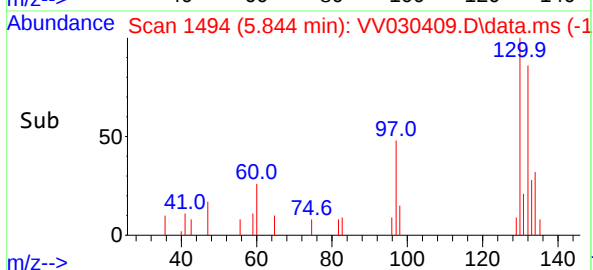
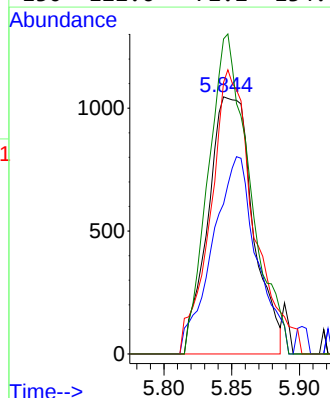
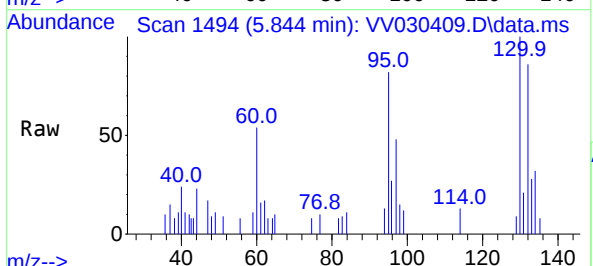
Tgt Ion: 78 Resp: 9337

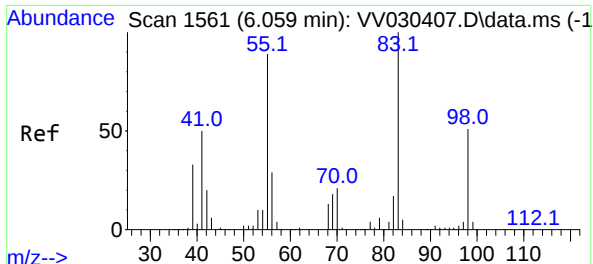


#34  
Trichloroethene  
Concen: 0.211 ug/L  
RT: 5.844 min Scan# 1494  
Delta R.T. 0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion: 95 Resp: 2404

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 58.4  | 44.2  | 82.2  |
| 132 | 105.6 | 69.5  | 129.1 |
| 130 | 122.6 | 72.2  | 134.0 |



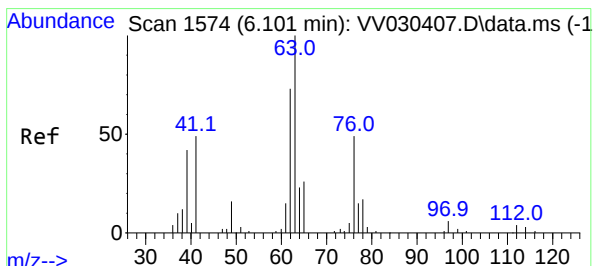
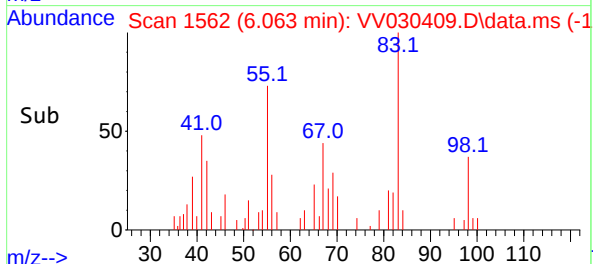
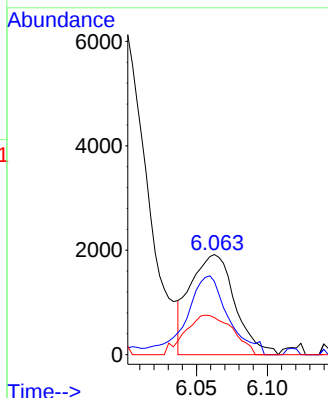
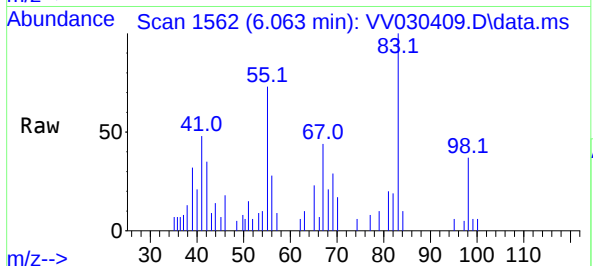


#35  
Methylcyclohexane  
Concen: 0.235 ug/L  
RT: 6.063 min Scan# 1561  
Delta R.T. 0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2023-03

Tgt Ion: 83 Resp: 4203

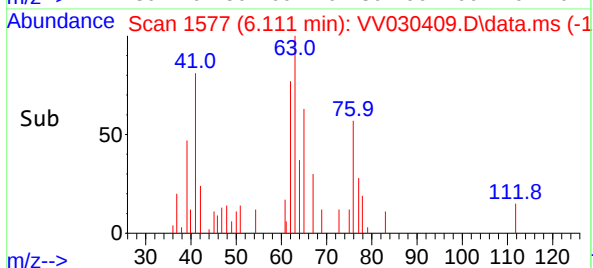
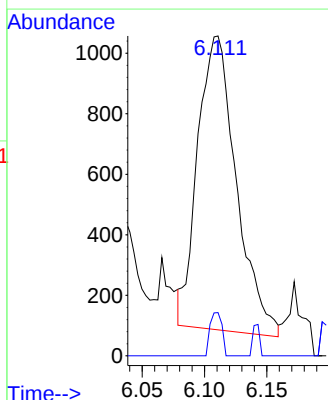
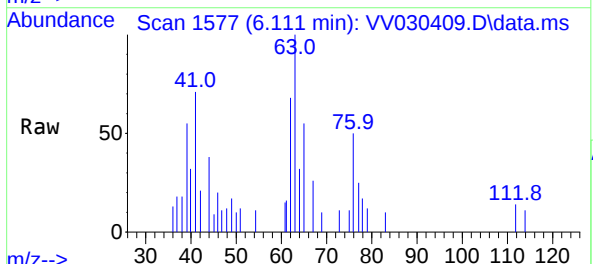
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 74.0  | 66.6  | 100.0 |
| 98  | 41.6  | 38.6  | 58.0  |

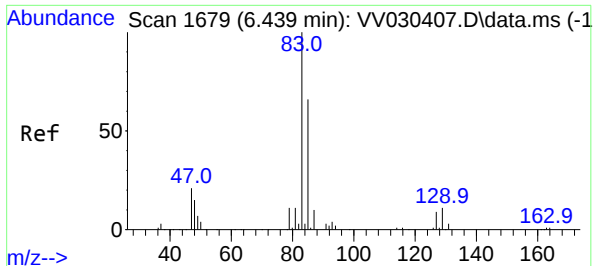


#37  
1,2-Dichloropropane  
Concen: 0.192 ug/L  
RT: 6.111 min Scan# 1577  
Delta R.T. 0.010 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion: 63 Resp: 2090

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 112 | 4.5   | 3.9   | 5.9   |

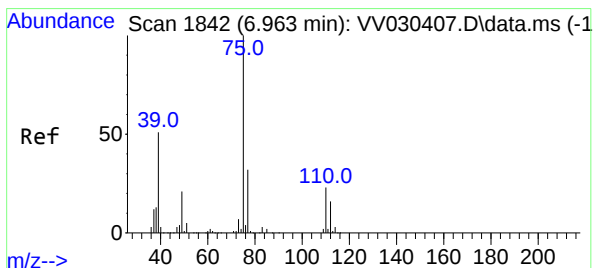
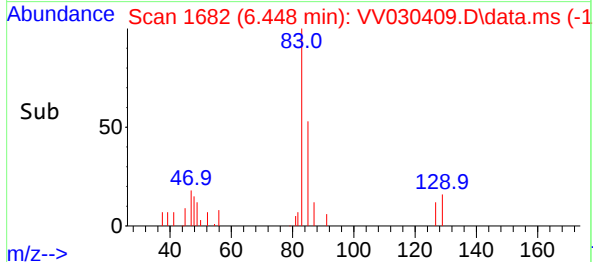
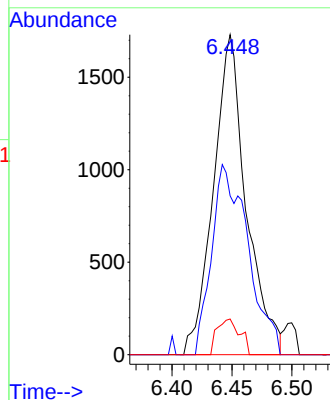
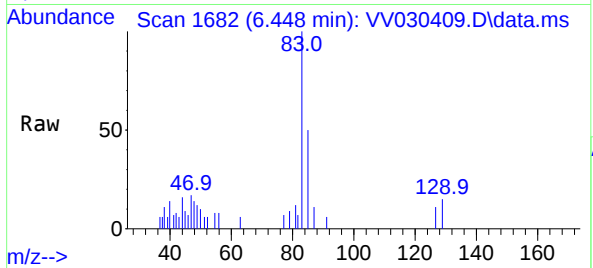




#38  
Bromodichloromethane  
Concen: 0.231 ug/L  
RT: 6.448 min Scan# 1  
Delta R.T. 0.009 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

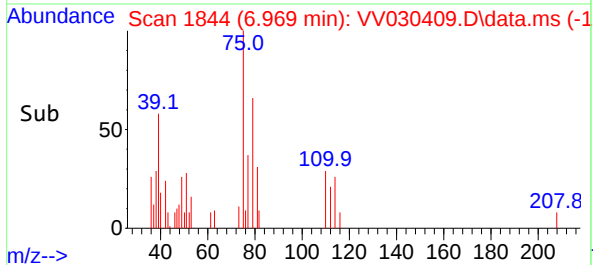
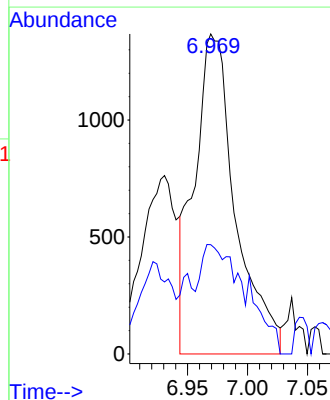
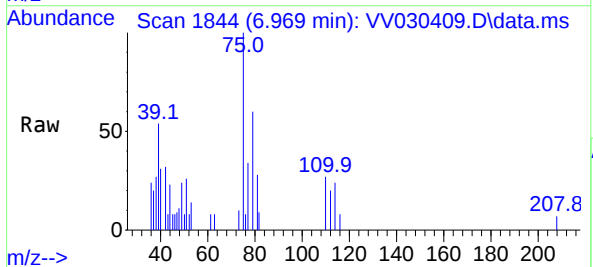
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2023-03

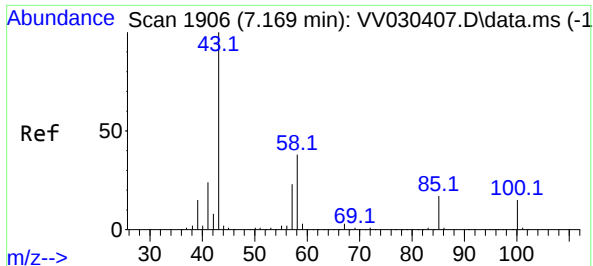
Tgt Ion: 83 Resp: 3285  
Ion Ratio Lower Upper  
83 100  
85 49.7 45.3 84.1  
127 11.2 7.0 10.4#



#39  
cis-1,3-Dichloropropene  
Concen: 0.213 ug/L  
RT: 6.969 min Scan# 1844  
Delta R.T. 0.010 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion: 75 Resp: 3258  
Ion Ratio Lower Upper  
75 100  
77 34.1 22.0 41.0





#40

4-Methyl-2-pentanone

Concen: 1.610 ug/L

RT: 7.178 min Scan# 1909

Delta R.T. 0.013 min

Lab File: VV030409.D

Acq: 06 Apr 2023 11:36

Instrument :

MSVOA\_V

ClientSampleId :

MDL-WATER-QT2-2023-03

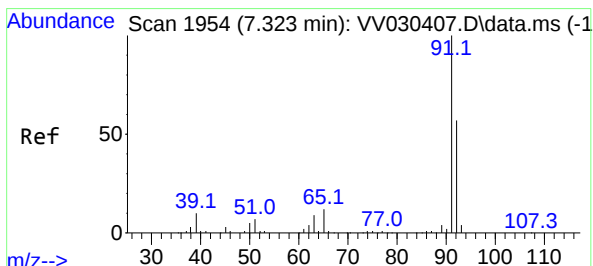
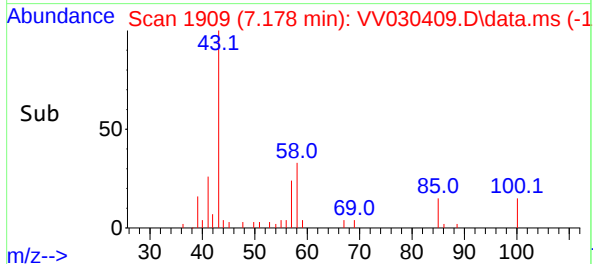
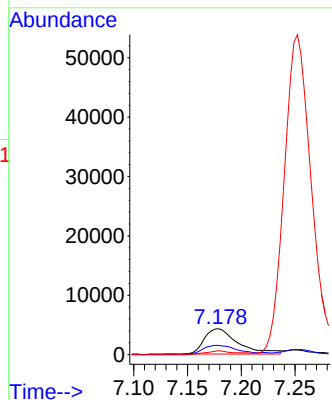
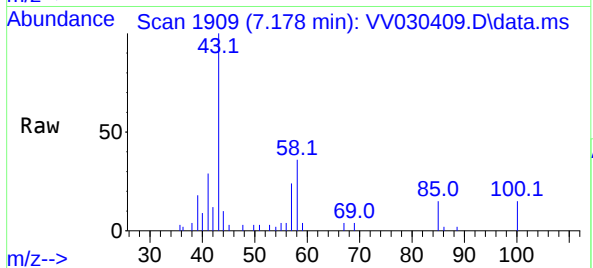
Tgt Ion: 43 Resp: 9217

Ion Ratio Lower Upper

43 100

58 38.5 28.8 43.2

100 0.0 10.7 16.1#



#42

Toluene

Concen: 0.214 ug/L

RT: 7.329 min Scan# 1956

Delta R.T. 0.006 min

Lab File: VV030409.D

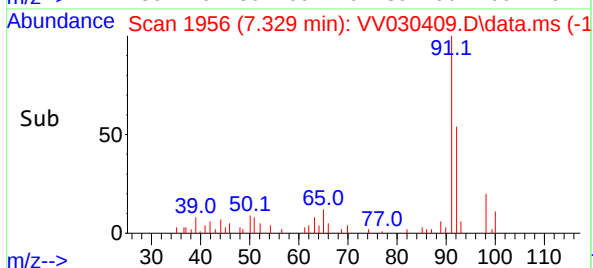
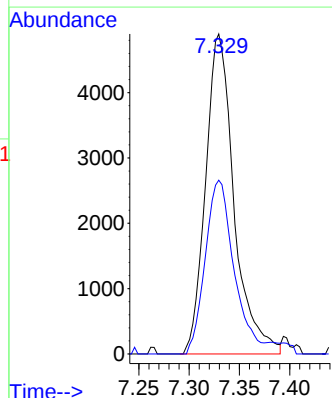
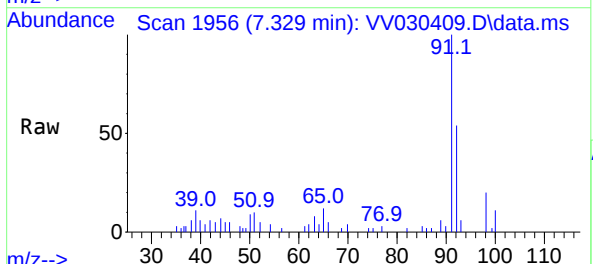
Acq: 06 Apr 2023 11:36

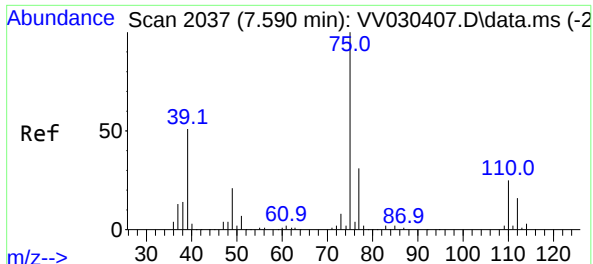
Tgt Ion: 91 Resp: 9631

Ion Ratio Lower Upper

91 100

92 54.3 40.4 75.0

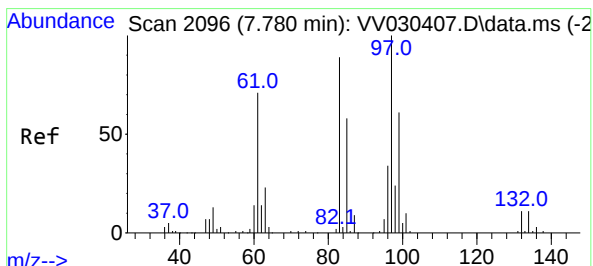
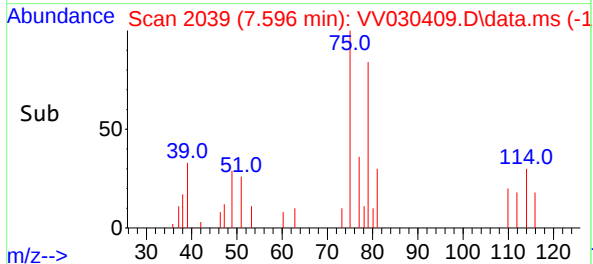
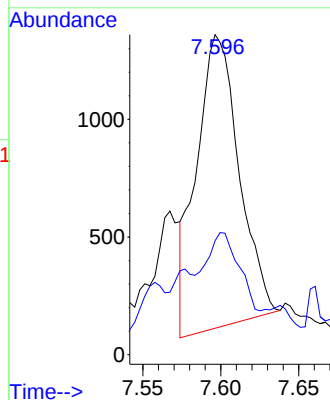
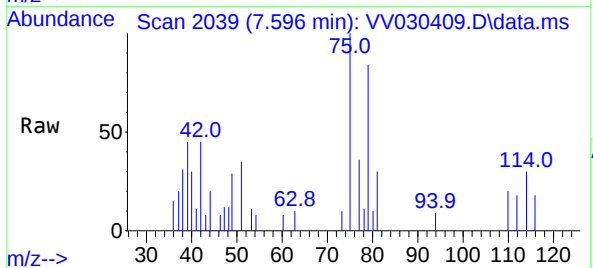




#44  
trans-1,3-Dichloropropene  
Concen: 0.182 ug/L  
RT: 7.596 min Scan# 2037  
Delta R.T. 0.006 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

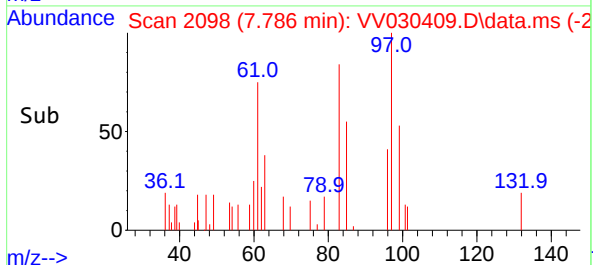
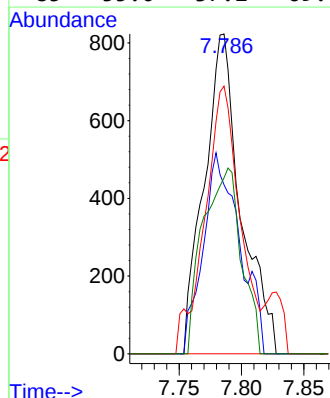
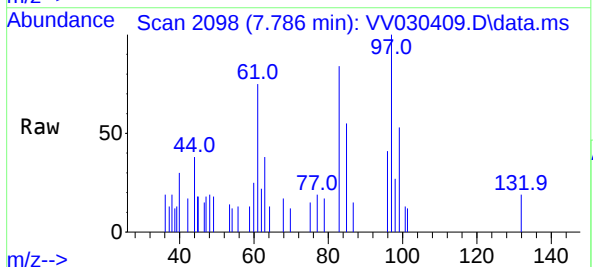
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2023-03

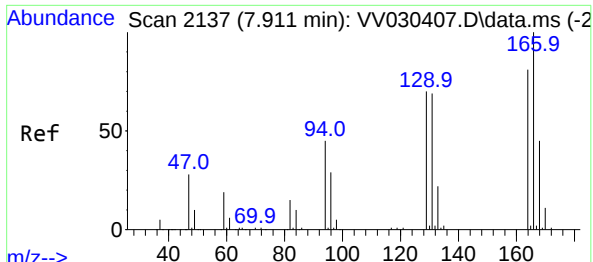
Tgt Ion: 75 Resp: 2367  
Ion Ratio Lower Upper  
75 100  
77 35.6 21.2 39.4



#45  
1,1,2-Trichloroethane  
Concen: 0.220 ug/L  
RT: 7.786 min Scan# 2098  
Delta R.T. 0.009 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion: 97 Resp: 1686  
Ion Ratio Lower Upper  
97 100  
99 52.9 44.0 81.8  
83 83.7 58.8 109.2  
85 55.0 37.2 69.0



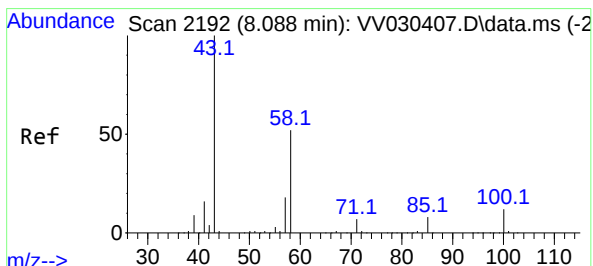
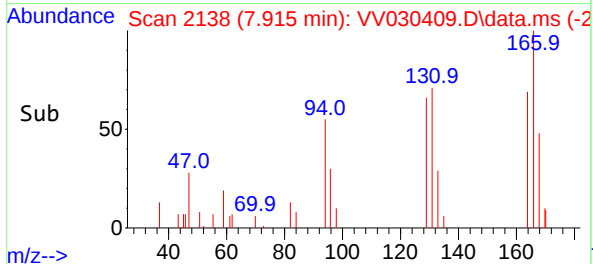
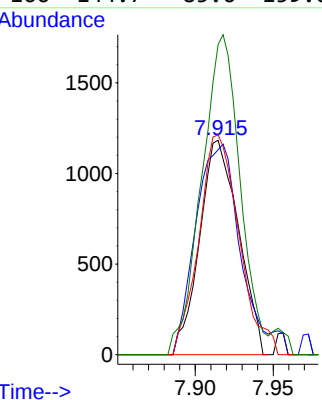
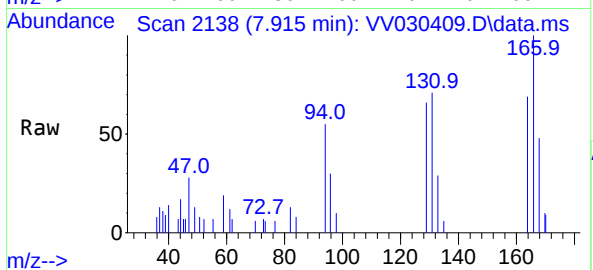


#47  
Tetrachloroethene  
Concen: 0.204 ug/L  
RT: 7.915 min Scan# 2138  
Delta R.T. 0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Instrument : MSVOA\_V  
ClientSampleId : MDL-WATER-QT2-2023-03

Tgt Ion:164 Resp: 2055

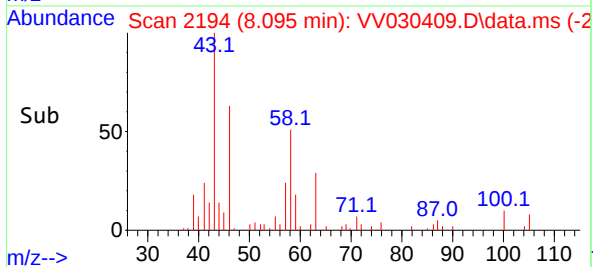
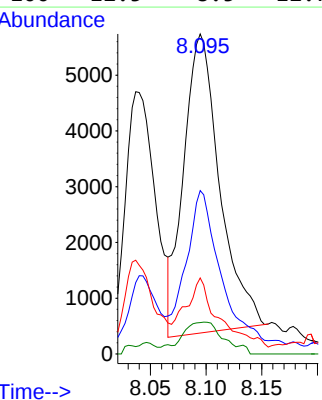
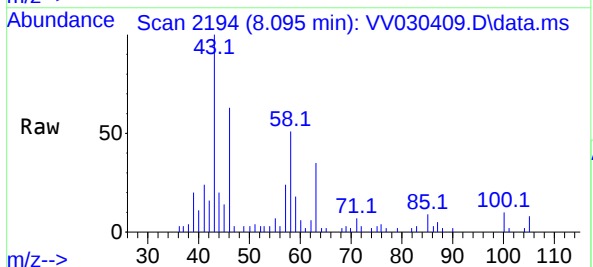
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 95.6  | 60.8  | 112.8 |
| 131 | 102.5 | 61.7  | 114.7 |
| 166 | 144.7 | 85.6  | 159.0 |

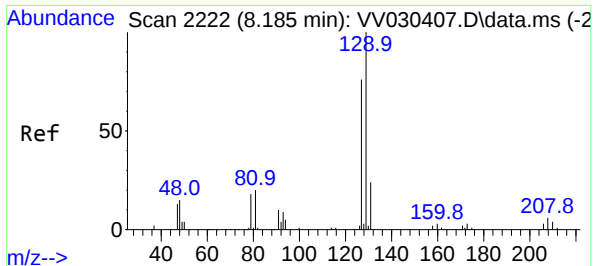


#48  
2-Hexanone  
Concen: 2.821 ug/L  
RT: 8.095 min Scan# 2194  
Delta R.T. 0.009 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion: 43 Resp: 12100

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 48.8  | 40.3  | 60.5  |
| 57  | 24.3  | 14.6  | 22.0  |
| 100 | 12.5  | 8.5   | 12.7  |





#49

Dibromochloromethane

Concen: 0.233 ug/L

RT: 8.188 min Scan# 2119

Delta R.T. 0.003 min

Lab File: VV030409.D

Acq: 06 Apr 2023 11:36

Instrument :

MSVOA\_V

ClientSampleId :

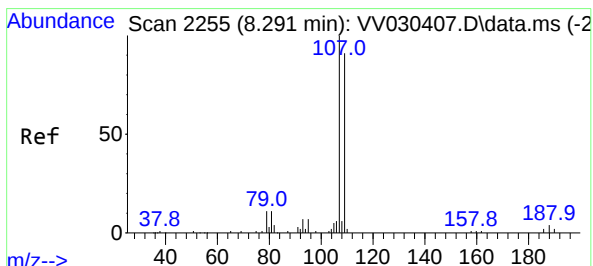
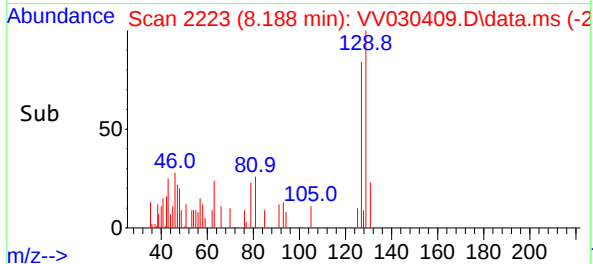
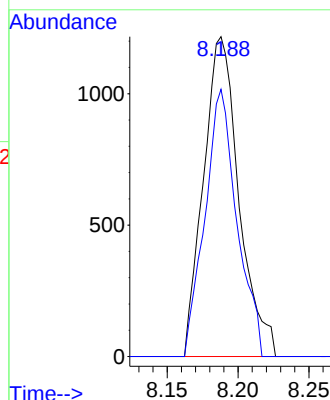
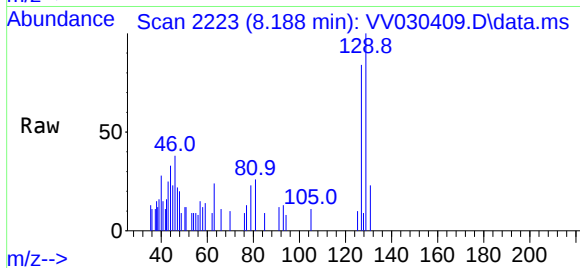
MDL-WATER-QT2-2023-03

Tgt Ion:129 Resp: 2119

Ion Ratio Lower Upper

129 100

127 83.6 52.7 97.9



#50

1,2-Dibromoethane

Concen: 0.246 ug/L

RT: 8.291 min Scan# 2255

Delta R.T. -0.000 min

Lab File: VV030409.D

Acq: 06 Apr 2023 11:36

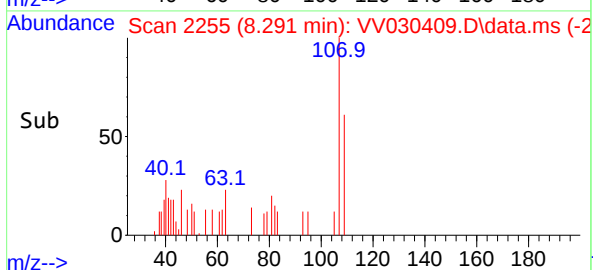
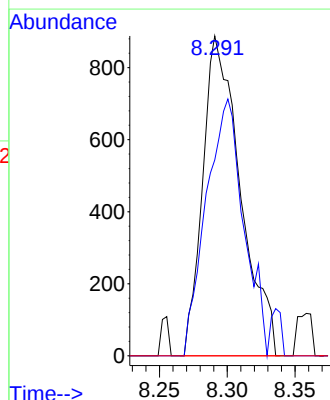
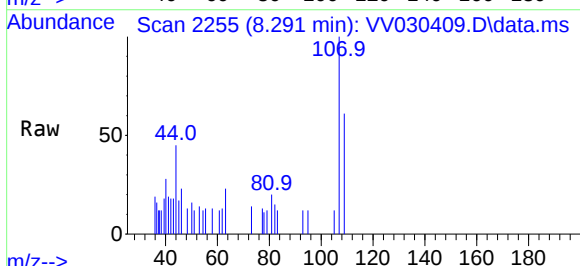
Tgt Ion:107 Resp: 1715

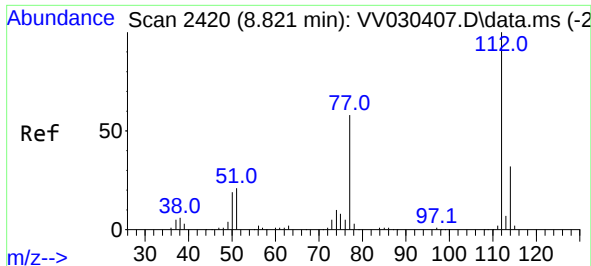
Ion Ratio Lower Upper

107 100

109 61.3 62.9 116.9#

188 0.0 3.0 4.6#





#51

Chlorobenzene

Concen: 0.225 ug/L

RT: 8.825 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV030409.D

Acq: 06 Apr 2023 11:36

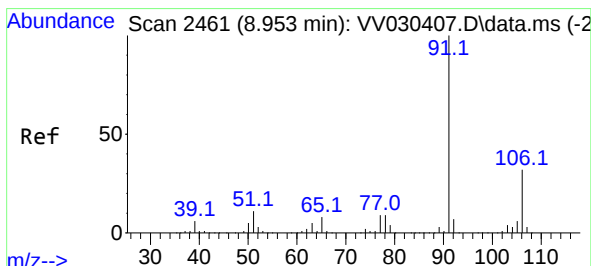
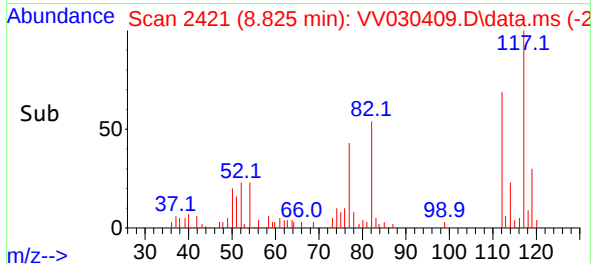
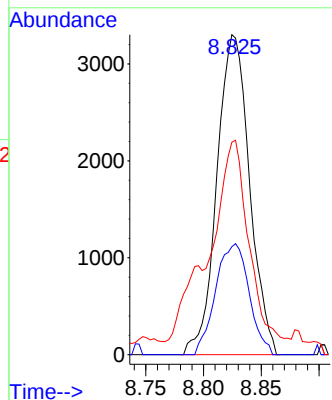
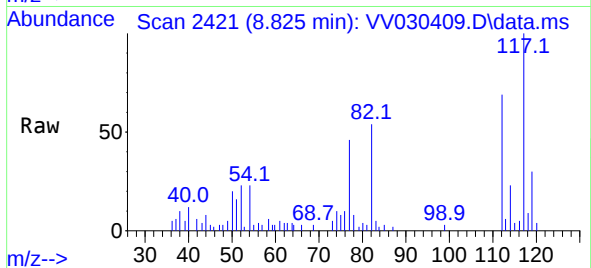
Instrument :

MSVOA\_V

ClientSampleId :

MDL-WATER-QT2-2023-03

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 6485      |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 33.7  | 22.4 41.6 |
| 77          | 66.4  | 45.9 68.9 |



#52

Ethylbenzene

Concen: 0.183 ug/L

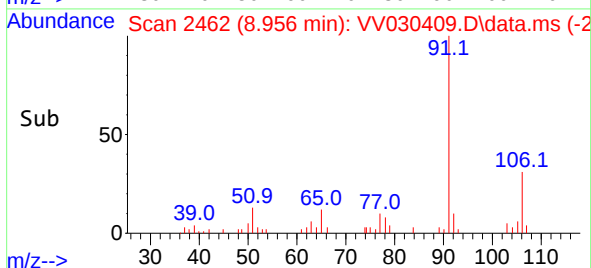
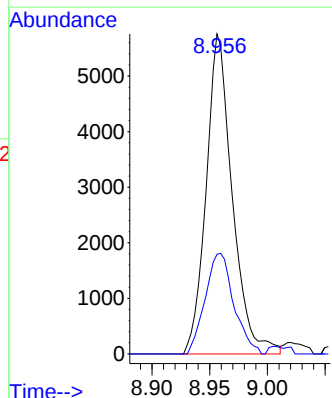
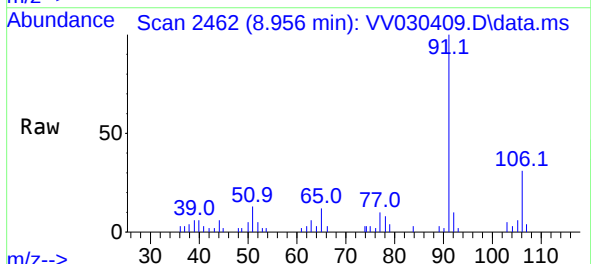
RT: 8.956 min Scan# 2462

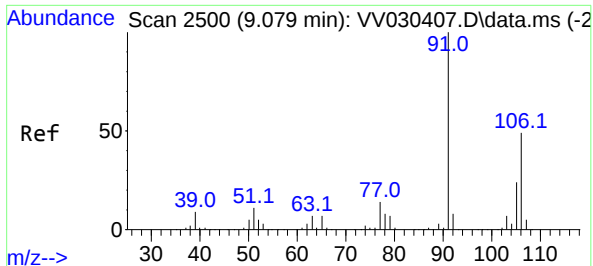
Delta R.T. 0.003 min

Lab File: VV030409.D

Acq: 06 Apr 2023 11:36

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 91 | Resp: | 9046      |
| Ion Ratio   | Lower | Upper     |
| 91          | 100   |           |
| 106         | 31.2  | 22.2 41.2 |

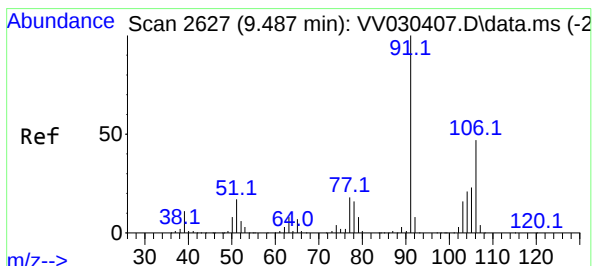
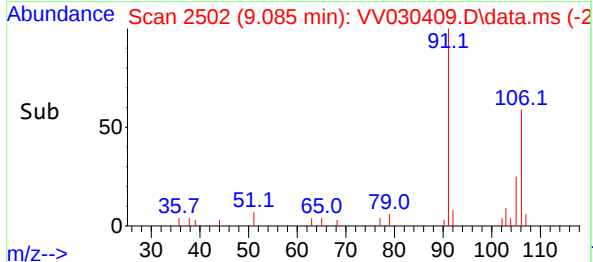
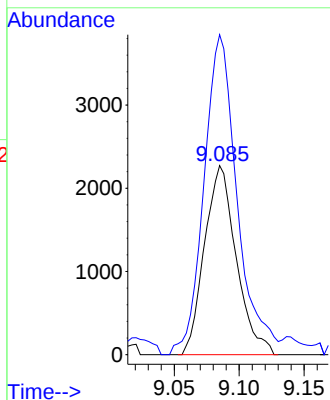
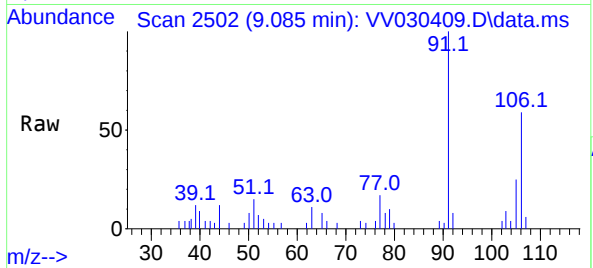




#53  
m,p-Xylene  
Concen: 0.205 ug/L  
RT: 9.085 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

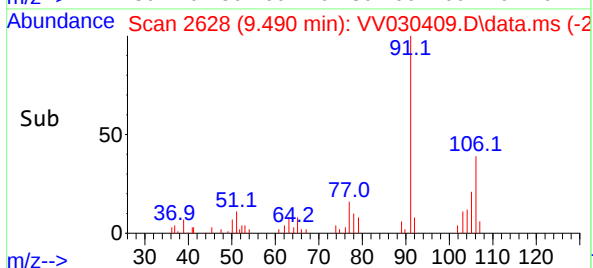
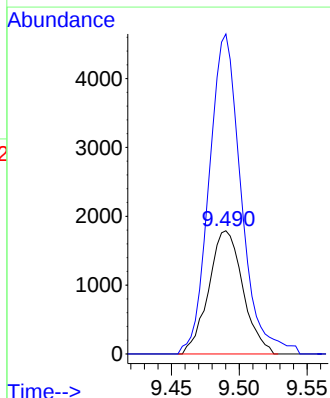
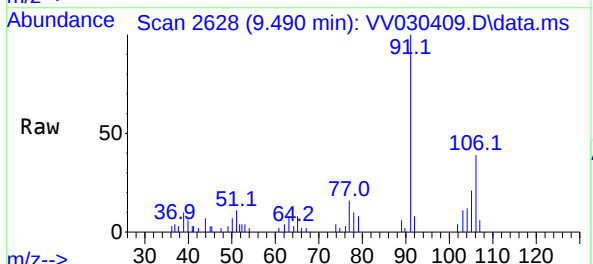
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2023-03

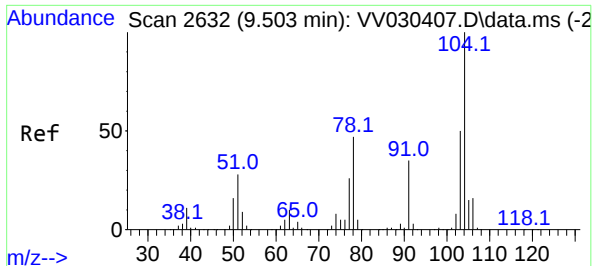
Tgt Ion:106 Resp: 3862  
Ion Ratio Lower Upper  
106 100  
91 169.2 142.4 264.4



#54  
o-Xylene  
Concen: 0.174 ug/L  
RT: 9.490 min Scan# 2628  
Delta R.T. 0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion:106 Resp: 3140  
Ion Ratio Lower Upper  
106 100  
91 259.7 149.8 278.2

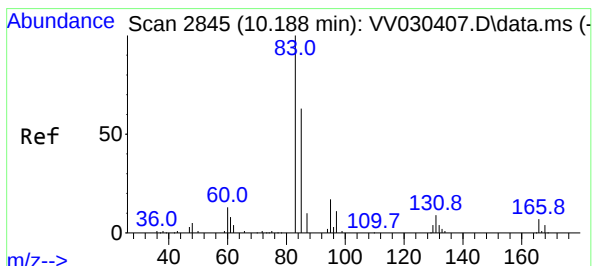
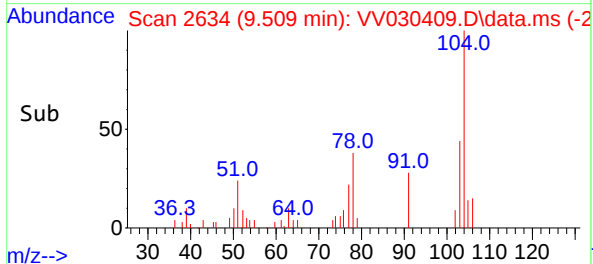
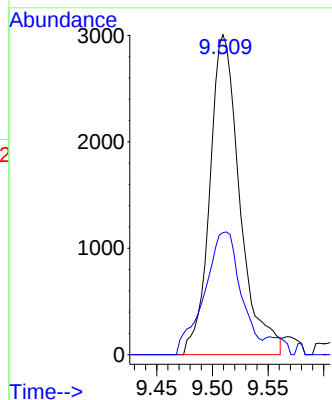
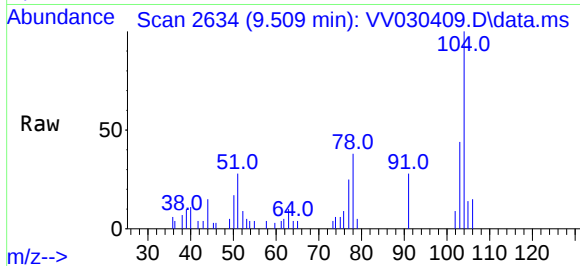




#55  
Styrene  
Concen: 0.184 ug/L  
RT: 9.509 min Scan# 2634  
Delta R.T. 0.006 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

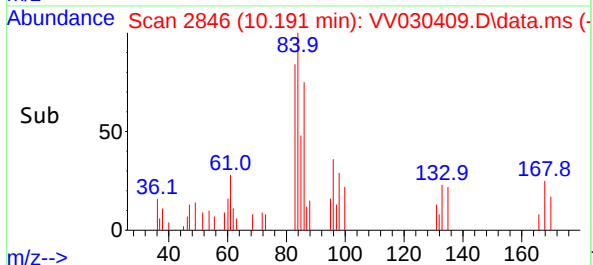
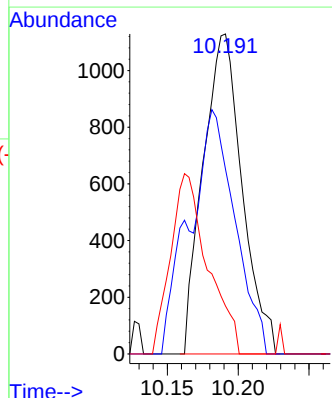
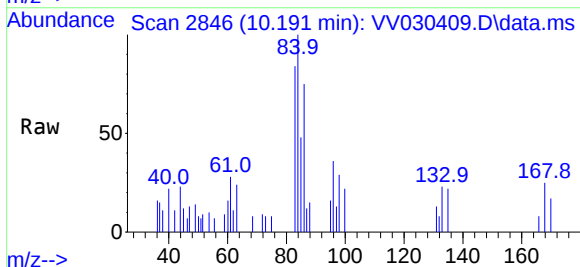
Instrument : MSVOA\_V  
ClientSampleId : MDL-WATER-QT2-2023-03

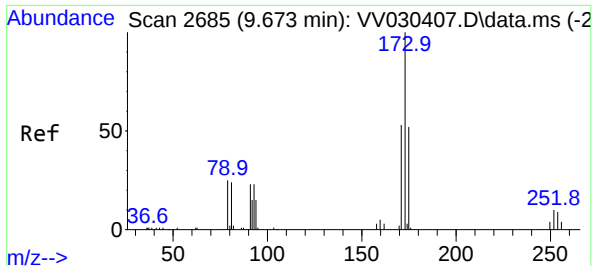
Tgt Ion:104 Resp: 5652  
Ion Ratio Lower Upper  
104 100  
78 38.2 31.9 59.2



#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.238 ug/L  
RT: 10.191 min Scan# 2846  
Delta R.T. 0.006 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion: 83 Resp: 2164  
Ion Ratio Lower Upper  
83 100  
85 57.8 45.3 84.1  
131 15.0 8.2 12.4

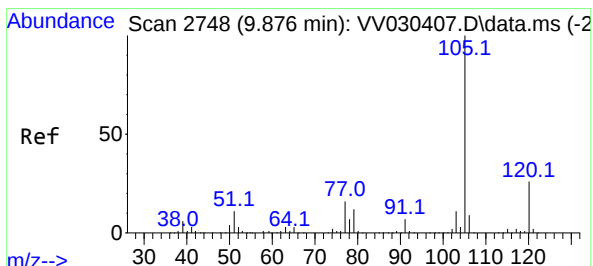
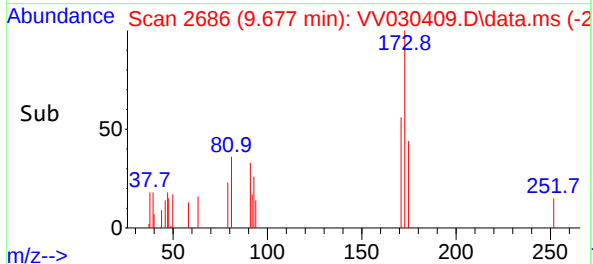
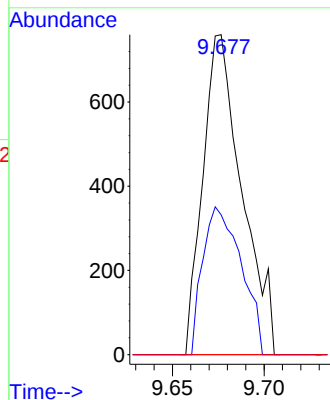
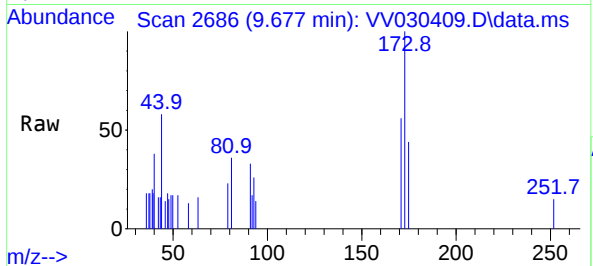




#59  
Bromoform  
Concen: 0.235 ug/L  
RT: 9.677 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

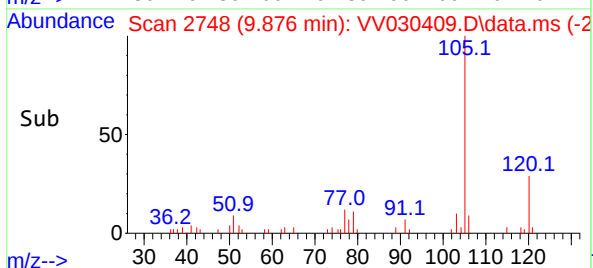
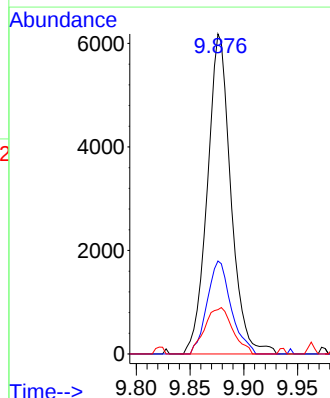
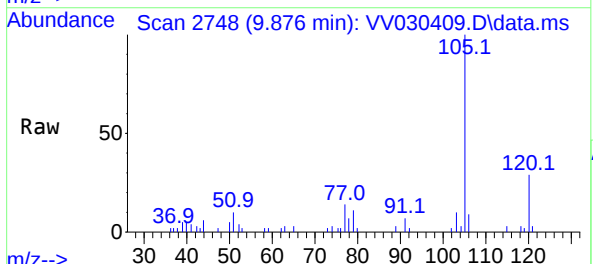
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2023-03

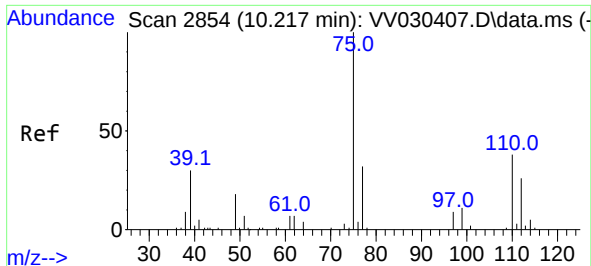
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 1125  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 45.6  | 39.0  | 58.4  |
| 254      | 0.0   | 8.2   | 12.4# |



#60  
Isopropylbenzene  
Concen: 0.215 ug/L  
RT: 9.876 min Scan# 2748  
Delta R.T. -0.000 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 9396  |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 29.7  | 21.1  | 31.7  |
| 77       | 17.1  | 12.9  | 19.3  |

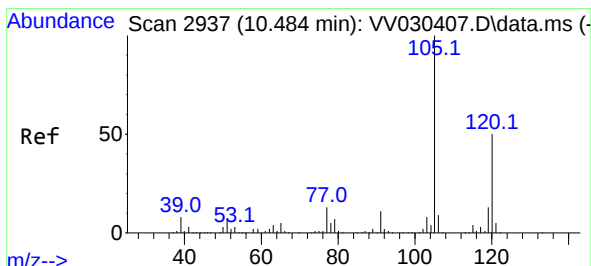
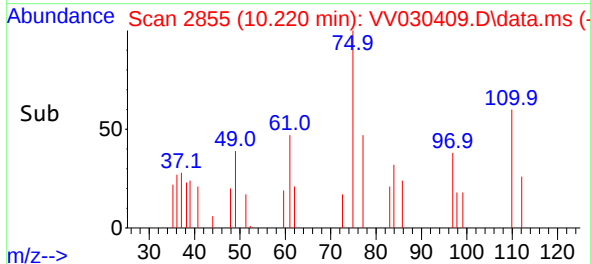
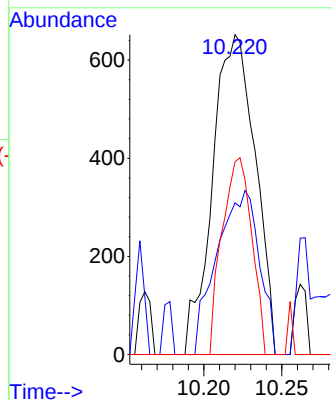
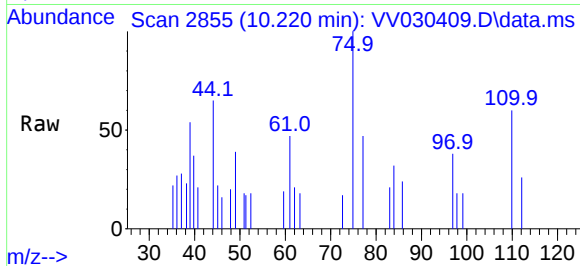




#61  
1,2,3-Trichloropropane  
Concen: 0.235 ug/L  
RT: 10.220 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

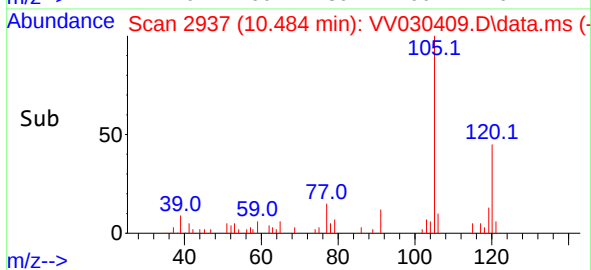
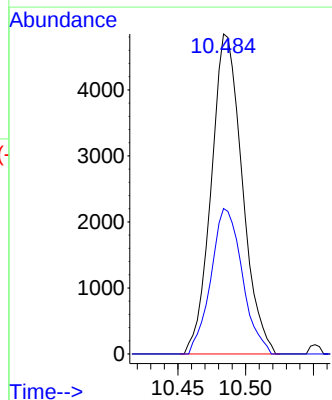
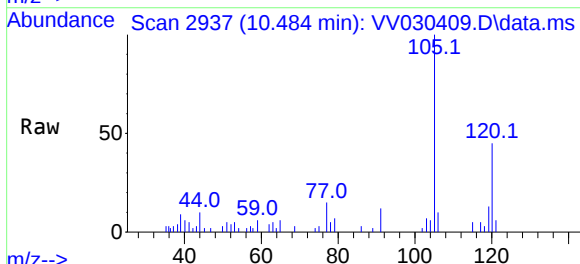
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2023-03

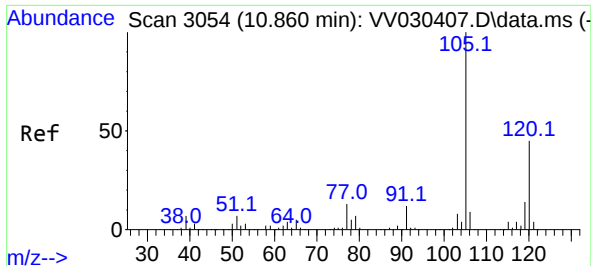
Tgt Ion: 75 Resp: 1245  
Ion Ratio Lower Upper  
75 100  
77 50.8 26.0 39.0#  
110 42.5 31.6 47.4



#62  
1,3,5-Trimethylbenzene  
Concen: 0.216 ug/L  
RT: 10.484 min Scan# 2937  
Delta R.T. -0.000 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion: 105 Resp: 7700  
Ion Ratio Lower Upper  
105 100  
120 45.9 38.9 58.3

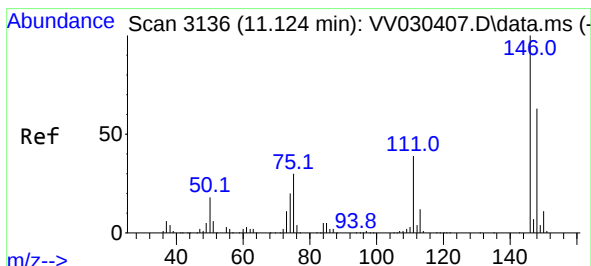
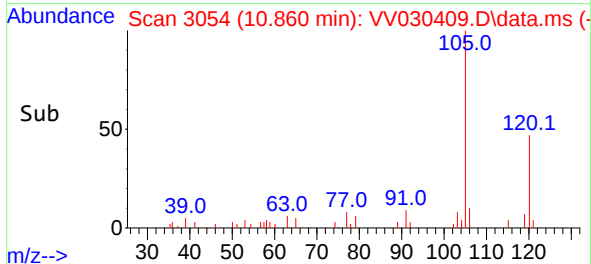
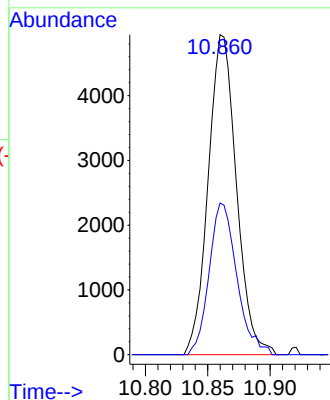
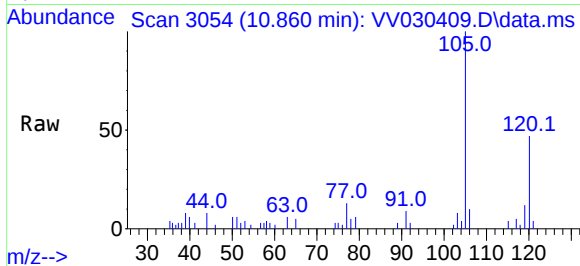




#63  
1,2,4-Trimethylbenzene  
Concen: 0.215 ug/L  
RT: 10.860 min Scan# 3054  
Delta R.T. -0.000 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

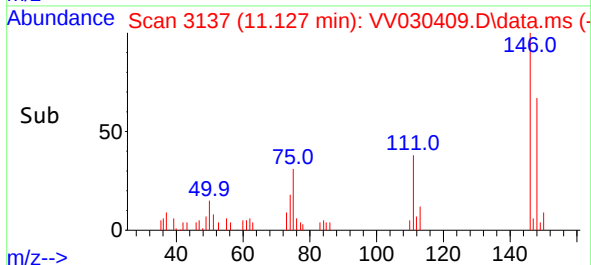
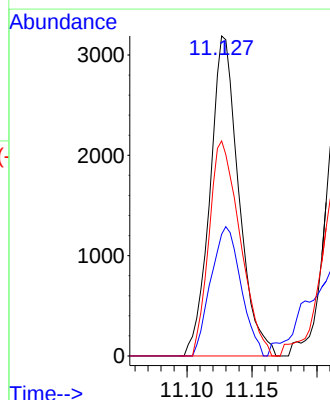
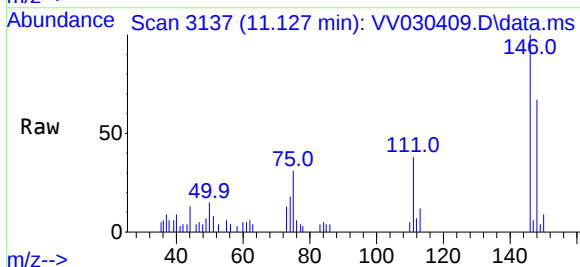
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2023-03

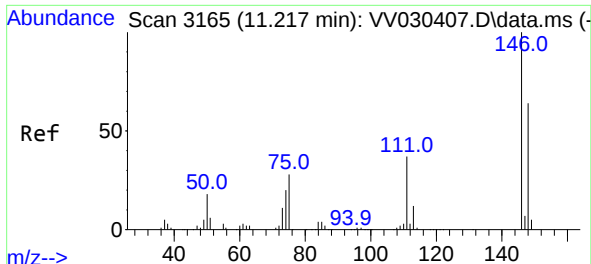
Tgt Ion:105 Resp: 7796  
Ion Ratio Lower Upper  
105 100  
120 46.5 36.8 55.2



#64  
1,3-Dichlorobenzene  
Concen: 0.225 ug/L  
RT: 11.127 min Scan# 3137  
Delta R.T. 0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion:146 Resp: 4900  
Ion Ratio Lower Upper  
146 100  
111 38.1 27.0 50.2  
148 67.2 44.2 82.2

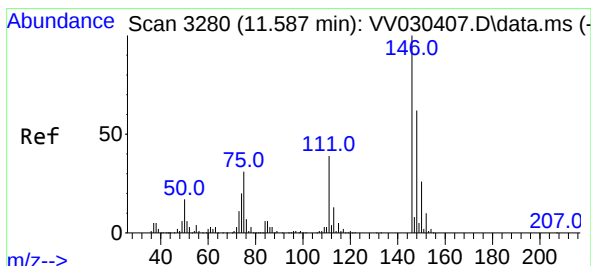
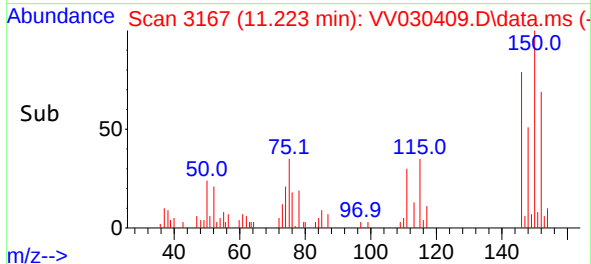
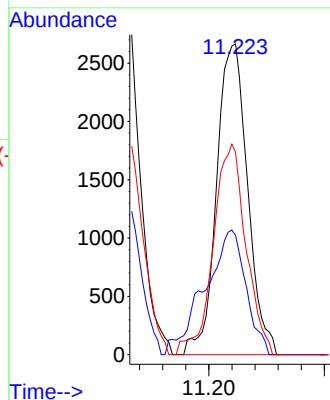
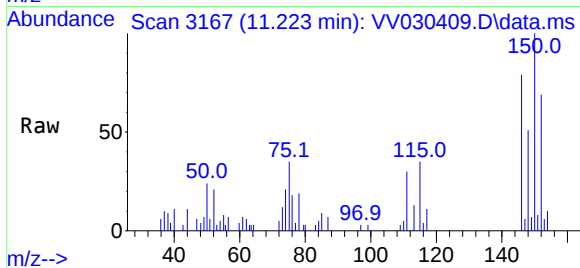




#65  
1,4-Dichlorobenzene  
Concen: 0.226 ug/L  
RT: 11.223 min Scan# 3167  
Delta R.T. 0.006 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

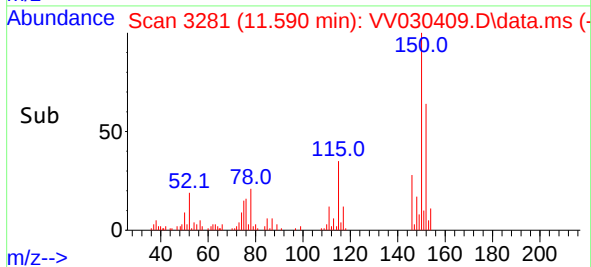
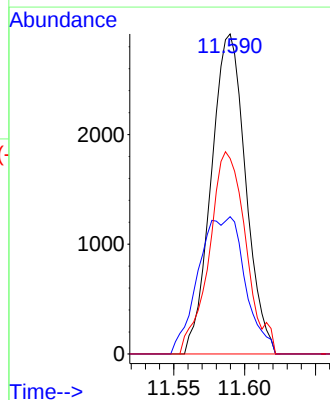
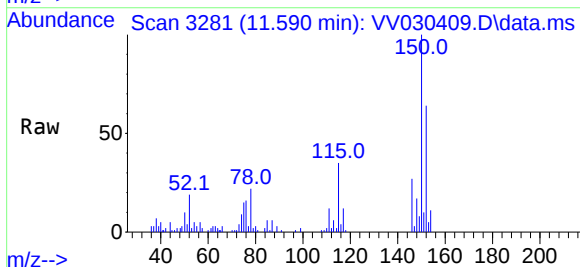
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2023-03

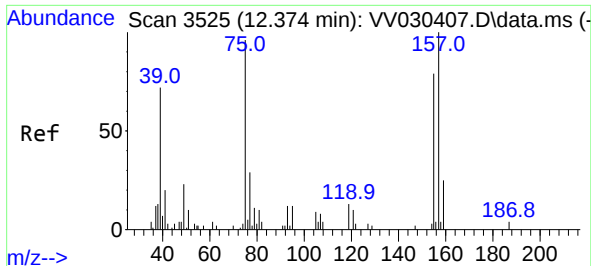
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 4972  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 38.4  | 26.0  | 48.4  |
| 148      | 65.2  | 45.2  | 84.0  |



#67  
1,2-Dichlorobenzene  
Concen: 0.251 ug/L  
RT: 11.590 min Scan# 3281  
Delta R.T. 0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 4924  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 42.9  | 33.1  | 49.7  |
| 148      | 61.1  | 52.2  | 78.2  |

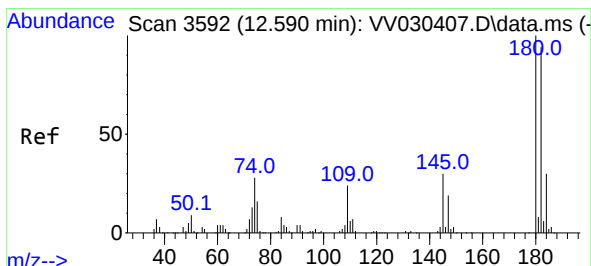
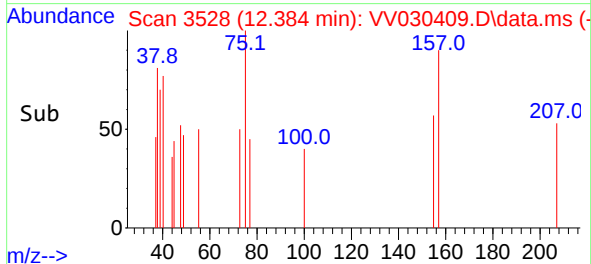
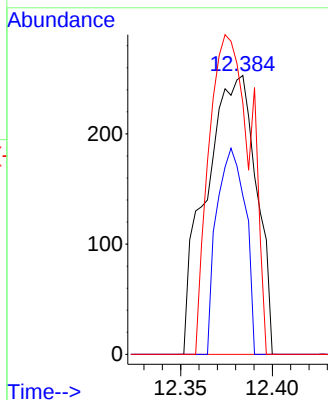
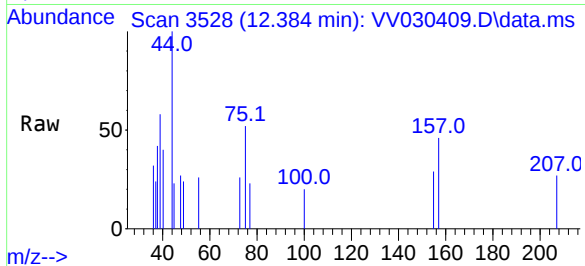




#68  
1,2-Dibromo-3-chloropropane  
Concen: 0.366 ug/L  
RT: 12.384 min Scan# 31  
Delta R.T. 0.013 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

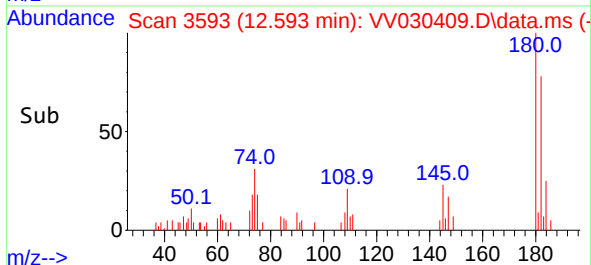
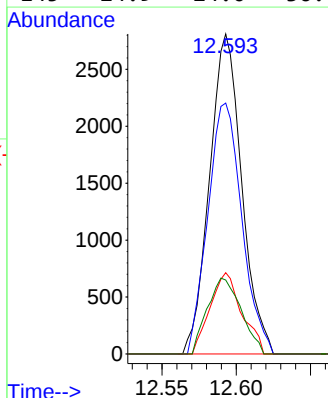
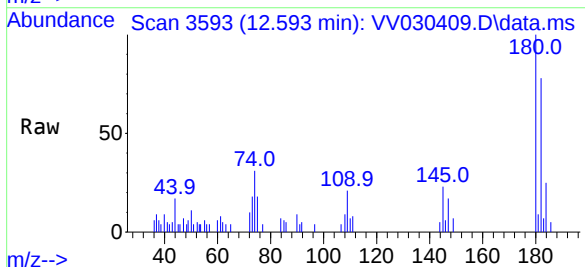
Instrument :  
MSVOA\_V  
ClientSampleId :  
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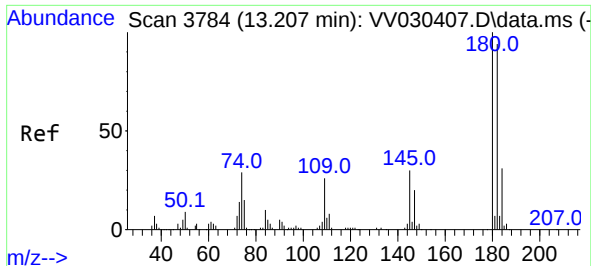
Tgt Ion: 75 Resp: 482  
Ion Ratio Lower Upper  
75 100  
155 56.9 64.6 96.8#  
157 90.1 83.8 125.6



#69  
1,3,5-Trichlorobenzene  
Concen: 0.253 ug/L  
RT: 12.593 min Scan# 3593  
Delta R.T. 0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

Tgt Ion:180 Resp: 4240  
Ion Ratio Lower Upper  
180 100  
182 82.8 76.5 114.7  
184 25.0 24.0 36.0  
145 24.9 24.0 36.0

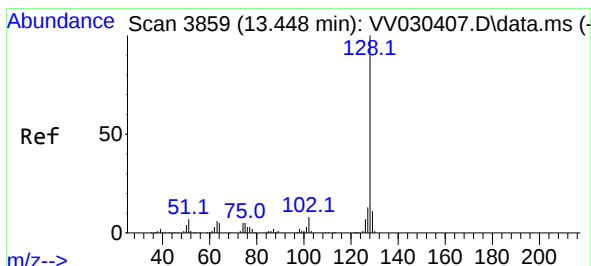
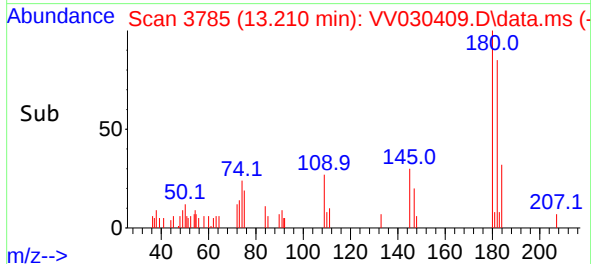
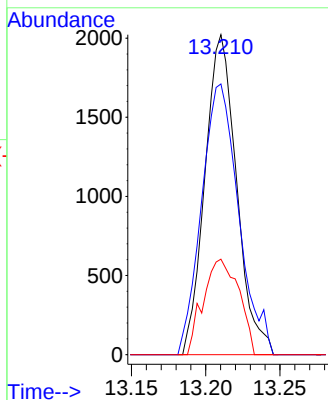
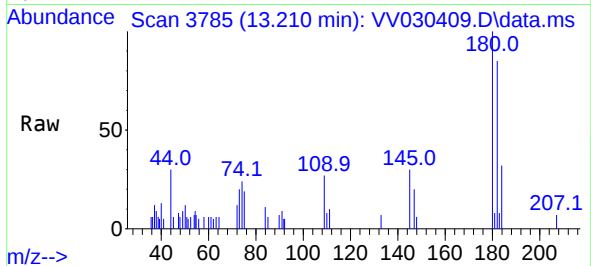




#70  
1,2,4-trichlorobenzene  
Concen: 0.231 ug/L  
RT: 13.210 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

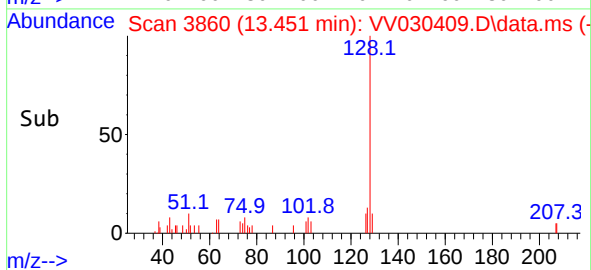
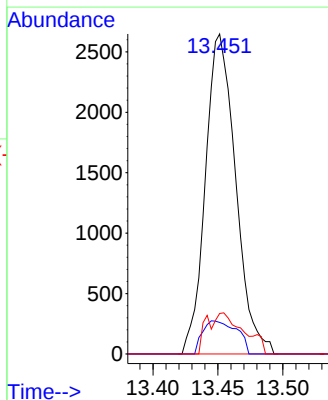
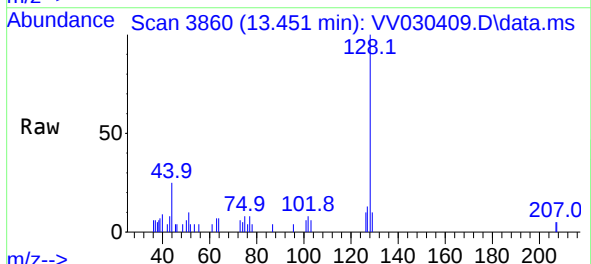
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT2-2023-03

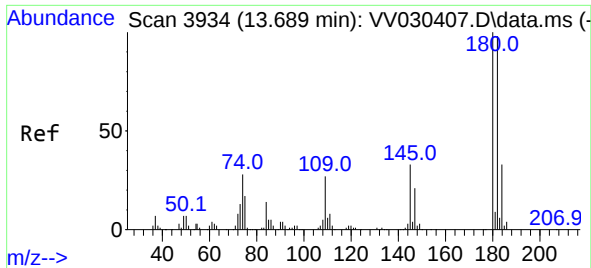
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 2998       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 98.9  | 75.3 112.9 |
| 145         | 33.4  | 23.8 35.6  |



#71  
Naphthalene  
Concen: 0.232 ug/L  
RT: 13.451 min Scan# 3860  
Delta R.T. 0.003 min  
Lab File: VV030409.D  
Acq: 06 Apr 2023 11:36

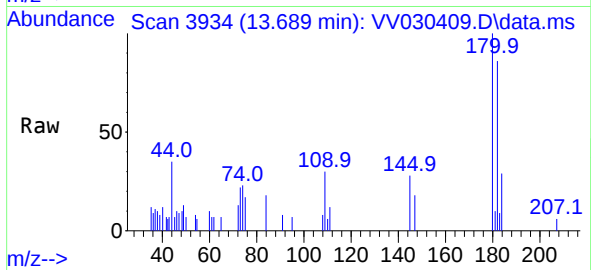
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 4291      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 129         | 0.0   | 8.9 13.3# |
| 127         | 12.2  | 10.8 16.2 |





#72  
 1,2,3-Trichlorobenzene  
 Concen: 0.221 ug/L  
 RT: 13.689 min Scan# 3934  
 Delta R.T. -0.000 min  
 Lab File: VV030409.D  
 Acq: 06 Apr 2023 11:36

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL-WATER-QT2-2023-03



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 2485  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 96.9  | 76.6  | 115.0 |
| 145      | 33.0  | 25.0  | 37.4  |

