

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051723\  
 Data File : VN077711.D  
 Acq On : 17 May 2023 14:09  
 Operator : JC\MD  
 Sample : 02213-09  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 18 02:41:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 18 02:40:00 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 8.230          | 168  | 374844              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 688534              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.871         | 117  | 585050              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.800         | 152  | 237236              | 50.000 | ug/l   | 0.00     |
|                              |                |      |                     |        |        |          |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.588          | 65   | 286026              | 50.997 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 102.000% |        |        |          |
| 35) Dibromofluoromethane     | 8.171          | 113  | 230020              | 51.231 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 102.460% |        |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 849286              | 49.143 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 98.280%  |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.853         | 95   | 271412              | 44.468 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 88.940%  |        |        |          |
|                              |                |      |                     |        |        |          |
| Target Compounds             |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.130          | 85   | 2249                | 0.527  | ug/l   | 99       |
| 3) Chloromethane             | 2.365          | 50   | 3838                | 0.751  | ug/l   | 90       |
| 4) Vinyl Chloride            | 2.524          | 62   | 2423                | 0.450  | ug/l   | 98       |
| 5) Bromomethane              | 2.971          | 94   | 3844                | 0.966  | ug/l # | 79       |
| 6) Chloroethane              | 3.065          | 64   | 1310                | 0.338  | ug/l # | 70       |
| 7) Trichlorofluoromethane    | 3.506          | 101  | 3971                | 0.530  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.971          | 74   | 1760                | 0.643  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.389          | 101  | 1003                | 0.242  | ug/l # | 3        |
| 10) Methyl Iodide            | 4.606          | 142  | 2146                | 0.434  | ug/l # | 82       |
| 11) Tert butyl alcohol       | 5.536          | 59   | 2084                | 2.692  | ug/l   | 95       |
| 12) 1,1-Dichloroethene       | 4.348          | 96   | 2619                | 0.664  | ug/l # | 51       |
| 13) Acrolein                 | 4.183          | 56   | 653                 | 1.186  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.736          | 53   | 4581                | 2.215  | ug/l # | 27       |
| 16) Acetone                  | 4.442          | 43   | 5228                | 2.963  | ug/l   | 93       |
| 17) Carbon Disulfide         | 4.712          | 76   | 2954                | 0.278  | ug/l # | 75       |
| 18) Methyl Acetate           | 5.036          | 43   | 2225                | 0.301  | ug/l # | 87       |
| 19) Methyl tert-butyl Ether  | 5.800          | 73   | 7320                | 0.513  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.289          | 84   | 4129                | 0.781  | ug/l # | 65       |
| 21) trans-1,2-Dichloroethene | 5.800          | 96   | 2745                | 0.620  | ug/l # | 62       |
| 22) Diisopropyl ether        | 6.689          | 45   | 6215                | 0.458  | ug/l # | 90       |
| 23) Vinyl Acetate            | 6.618          | 43   | 18531               | 2.203  | ug/l # | 90       |
| 24) 1,1-Dichloroethane       | 6.571          | 63   | 4201                | 0.505  | ug/l # | 83       |
| 25) 2-Butanone               | 7.494          | 43   | 6422                | 2.327  | ug/l # | 81       |
| 26) 2,2-Dichloropropane      | 7.500          | 77   | 3725                | 0.527  | ug/l   | 84       |
| 27) cis-1,2-Dichloroethene   | 7.489          | 96   | 3089                | 0.582  | ug/l   | 92       |
| 28) Bromochloromethane       | 7.818          | 49   | 1490                | 0.414  | ug/l # | 88       |
| 29) Tetrahydrofuran          | 7.853          | 42   | 4739                | 2.622  | ug/l # | 69       |
| 30) Chloroform               | 7.971          | 83   | 4676                | 0.511  | ug/l   | 92       |
| 31) Cyclohexane              | 8.230          | 56   | 12306               | 1.614  | ug/l # | 40       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 4137                | 0.532  | ug/l # | 49       |
| 36) 1,1-Dichloropropene      | 8.383          | 75   | 3519                | 0.536  | ug/l   | 89       |
| 37) Ethyl Acetate            | 7.553          | 43   | 1448                | 0.247  | ug/l # | 63       |
| 38) Carbon Tetrachloride     | 8.359          | 117  | 3445                | 0.519  | ug/l # | 66       |
| 39) Methylcyclohexane        | 9.612          | 83   | 3966                | 0.493  | ug/l # | 76       |
| 40) Benzene                  | 8.606          | 78   | 9949                | 0.513  | ug/l # | 88       |
| 41) Methacrylonitrile        | 7.789          | 41   | 1421                | 0.456  | ug/l # | 26       |

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 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 18 02:41:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 18 02:40:00 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 4283     | 0.608  | ug/l   | 80       |
| 43) Isopropyl Acetate         | 8.700  | 43   | 4604     | 0.482  | ug/l # | 92       |
| 44) Trichloroethene           | 9.347  | 130  | 2461     | 0.502  | ug/l   | 56       |
| 45) 1,2-Dichloropropane       | 9.635  | 63   | 2466     | 0.499  | ug/l # | 88       |
| 46) Dibromomethane            | 9.706  | 93   | 1865     | 0.527  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.894  | 83   | 3360     | 0.496  | ug/l # | 79       |
| 48) Methyl methacrylate       | 9.688  | 41   | 3260     | 0.719  | ug/l # | 58       |
| 49) 1,4-Dioxane               | 9.718  | 88   | 662      | 7.732  | ug/l # | 74       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 13122    | 2.309  | ug/l   | 95       |
| 52) Toluene                   | 10.635 | 92   | 5901     | 0.489  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.853 | 75   | 3525     | 0.492  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.324 | 75   | 4019     | 0.509  | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 2347     | 0.490  | ug/l # | 84       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 3287     | 0.454  | ug/l # | 71       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 4768     | 0.581  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 7136     | 2.003  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.200 | 43   | 9703     | 2.308  | ug/l   | 91       |
| 60) Dibromochloromethane      | 11.365 | 129  | 1931     | 0.390  | ug/l   | 78       |
| 61) 1,2-Dibromoethane         | 11.477 | 107  | 2660     | 0.557  | ug/l # | 80       |
| 64) Tetrachloroethene         | 11.106 | 164  | 2221     | 0.543  | ug/l   | 83       |
| 65) Chlorobenzene             | 11.900 | 112  | 6998     | 0.552  | ug/l # | 85       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 2653     | 0.605  | ug/l # | 50       |
| 67) Ethyl Benzene             | 11.971 | 91   | 11098    | 0.488  | ug/l   | 96       |
| 68) m/p-Xylenes               | 12.076 | 106  | 8453     | 0.982  | ug/l   | 96       |
| 69) o-Xylene                  | 12.406 | 106  | 3975     | 0.469  | ug/l   | 97       |
| 70) Styrene                   | 12.418 | 104  | 6282     | 0.467  | ug/l   | 91       |
| 71) Bromoform                 | 12.588 | 173  | 1627     | 0.557  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.700 | 105  | 9826     | 0.480  | ug/l   | 97       |
| 74) N-amyl acetate            | 12.506 | 43   | 3692     | 0.488  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.947 | 83   | 2905     | 0.462  | ug/l   | 70       |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75   | 144696   | 24.355 | ug/l # | 1        |
| 77) Bromobenzene              | 12.982 | 156  | 2784     | 0.597  | ug/l   | 89       |
| 78) n-propylbenzene           | 13.041 | 91   | 11050    | 0.458  | ug/l   | 93       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 7651     | 0.532  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 8160     | 0.475  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75   | 144696   | 77.850 | ug/l # | 15       |
| 82) 4-Chlorotoluene           | 13.229 | 91   | 7732     | 0.540  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 6943     | 0.463  | ug/l   | 79       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 8483     | 0.502  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.623 | 105  | 9917     | 0.465  | ug/l   | 90       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 7525     | 0.443  | ug/l   | 91       |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146  | 5279     | 0.612  | ug/l   | 90       |
| 88) 1,4-Dichlorobenzene       | 13.741 | 146  | 5279     | 0.616  | ug/l   | 93       |
| 89) n-Butylbenzene            | 14.065 | 91   | 6811     | 0.436  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.335 | 117  | 1463     | 0.524  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 4355     | 0.540  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 540      | 0.443  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 3144     | 0.667  | ug/l   | 89       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 1216     | 0.622  | ug/l   | 80       |
| 95) Naphthalene               | 15.641 | 128  | 8990     | 0.554  | ug/l # | 93       |
| 96) 1,2,3-Trichlorobenzene    | 15.853 | 180  | 2841     | 0.616  | ug/l   | 92       |

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Sample : 02213-09  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

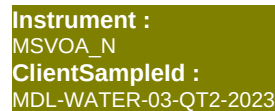
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

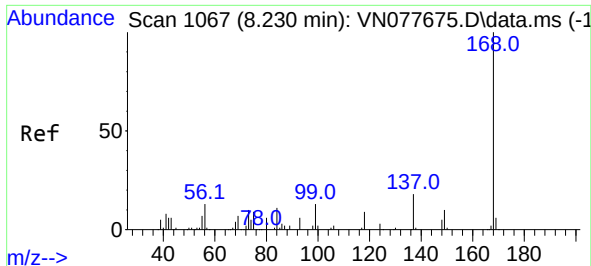
Quant Time: May 18 02:41:23 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 18 02:40:00 2023  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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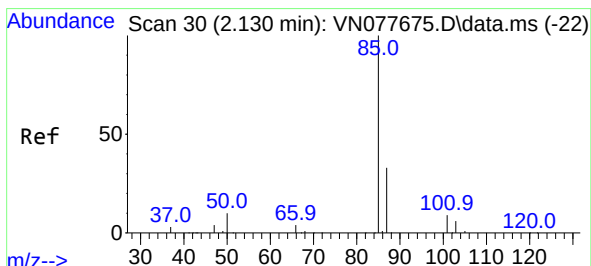
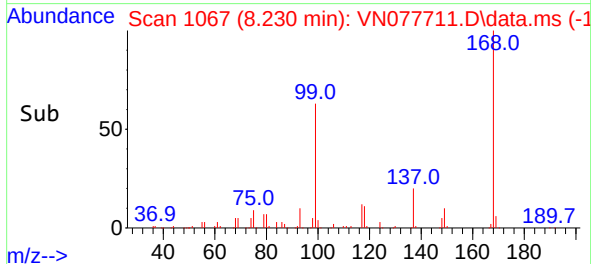
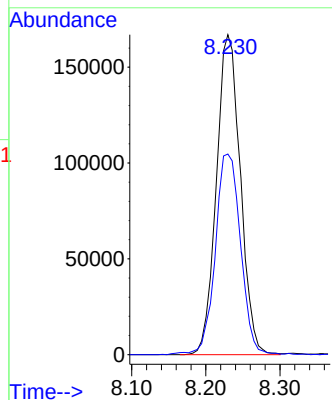
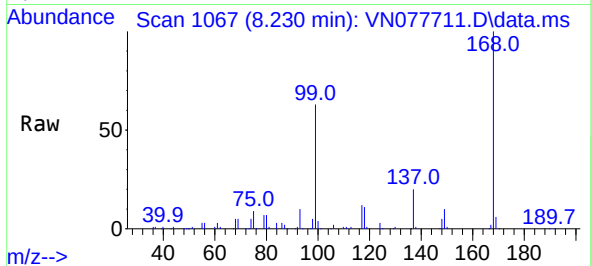




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

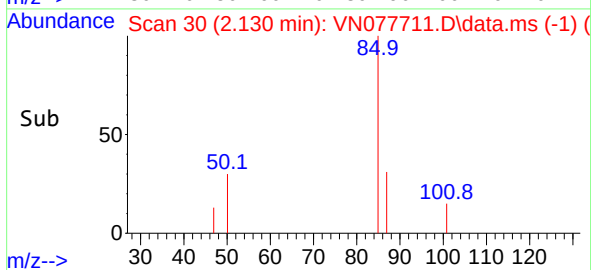
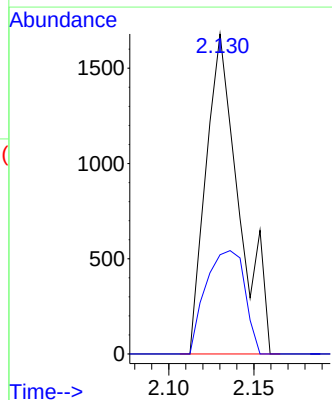
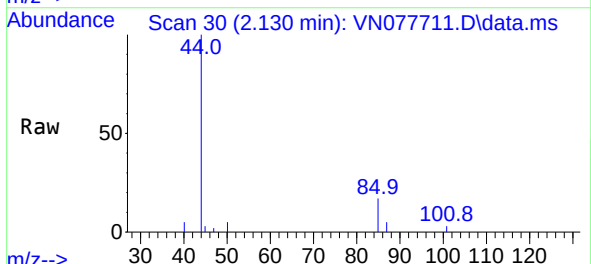
Instrument : MSVOA\_N  
ClientSampleId : MDL-WATER-03-QT2-2023

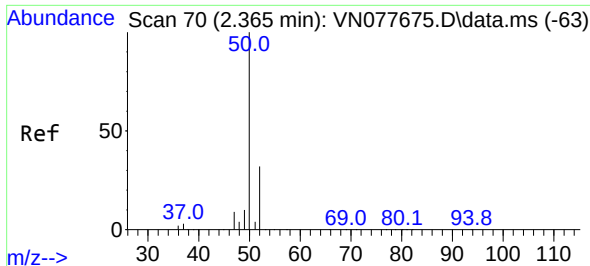
Tgt Ion:168 Resp: 374844  
Ion Ratio Lower Upper  
168 100  
99 62.5 53.0 79.6



#2  
Dichlorodifluoromethane  
Concen: 0.527 ug/l  
RT: 2.130 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 85 Resp: 2249  
Ion Ratio Lower Upper  
85 100  
87 31.0 15.8 47.4

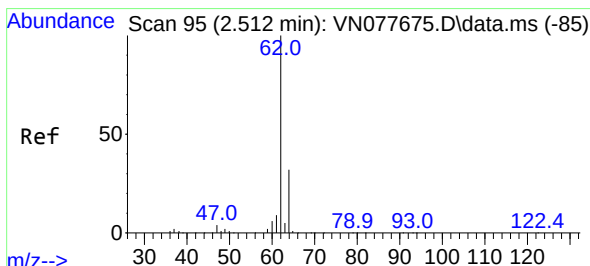
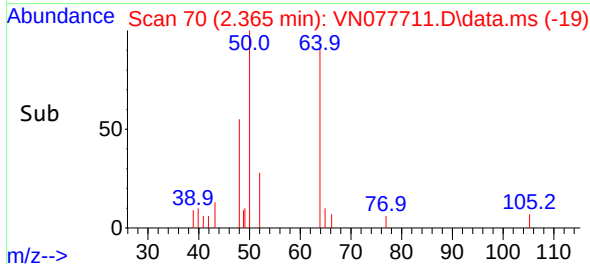
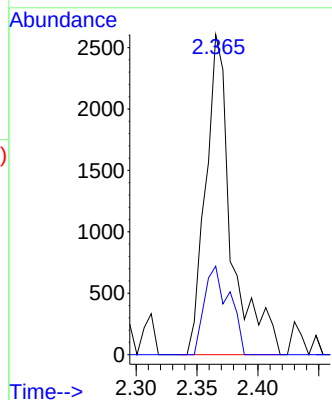
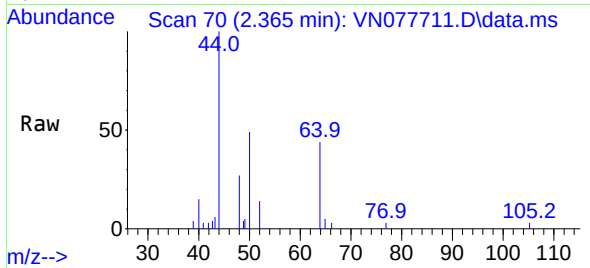




#3  
Chloromethane  
Concen: 0.751 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

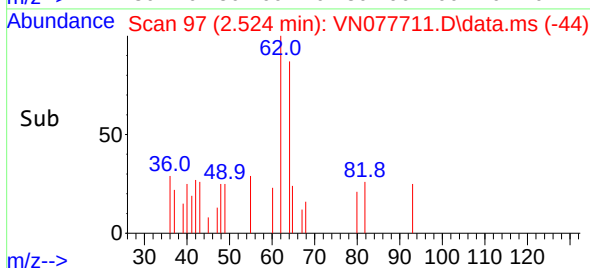
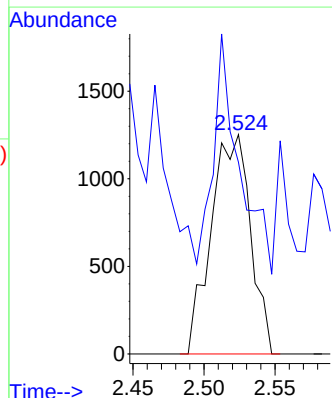
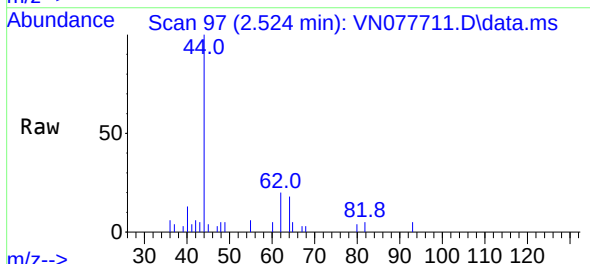
Instrument :  
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ClientSampleId :  
MDL-WATER-03-QT2-2023

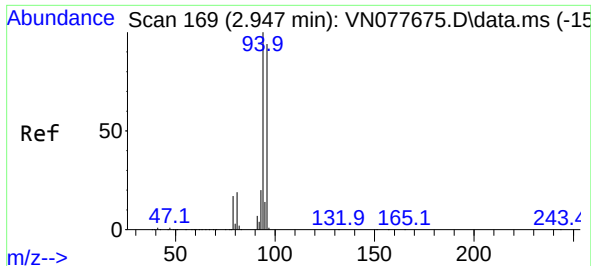
Tgt Ion: 50 Resp: 3838  
Ion Ratio Lower Upper  
50 100  
52 27.6 26.5 39.7



#4  
Vinyl Chloride  
Concen: 0.450 ug/l  
RT: 2.524 min Scan# 97  
Delta R.T. 0.012 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 62 Resp: 2423  
Ion Ratio Lower Upper  
62 100  
64 31.7 26.2 39.2

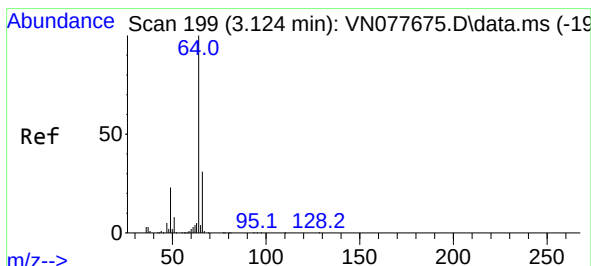
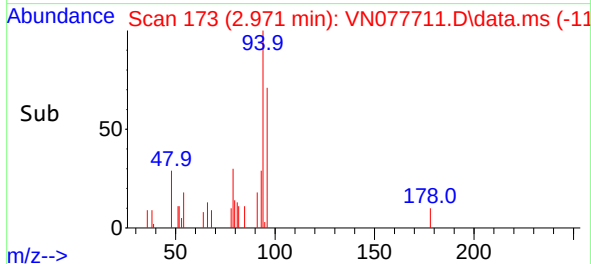
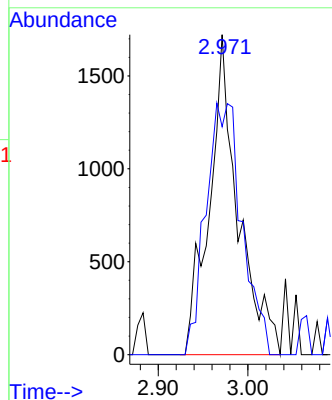
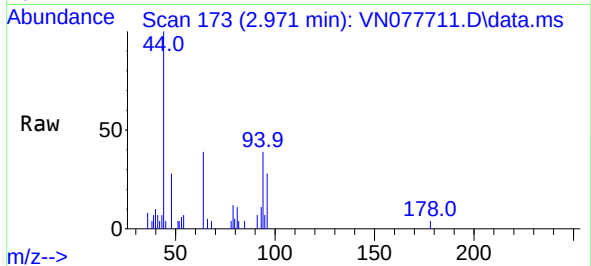




#5  
Bromomethane  
Concen: 0.966 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. 0.024 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

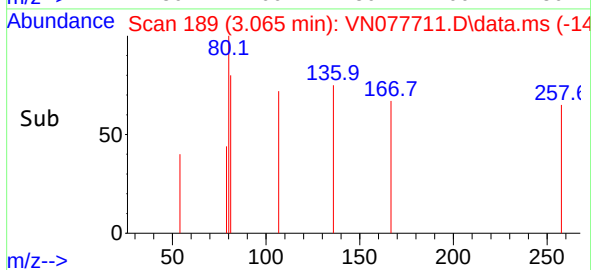
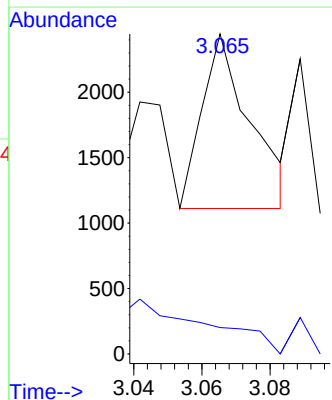
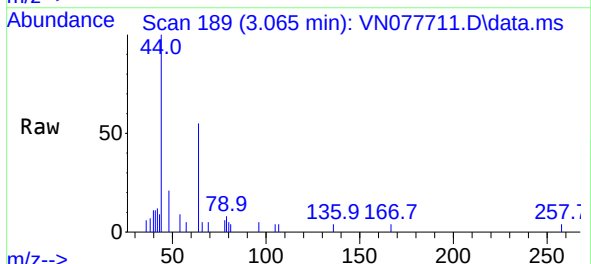
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

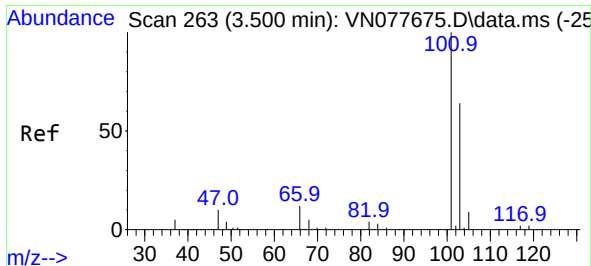
Tgt Ion: 94 Resp: 3844  
Ion Ratio Lower Upper  
94 100  
96 71.3 73.1 109.7#



#6  
Chloroethane  
Concen: 0.338 ug/l  
RT: 3.065 min Scan# 189  
Delta R.T. -0.059 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 64 Resp: 1310  
Ion Ratio Lower Upper  
64 100  
66 15.1 25.4 38.2#

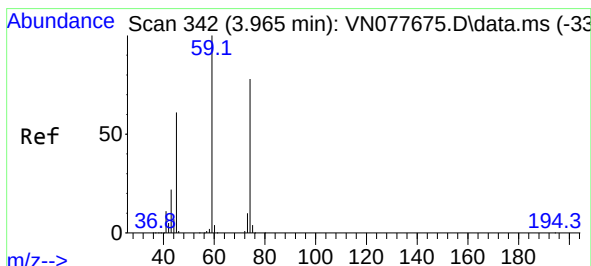
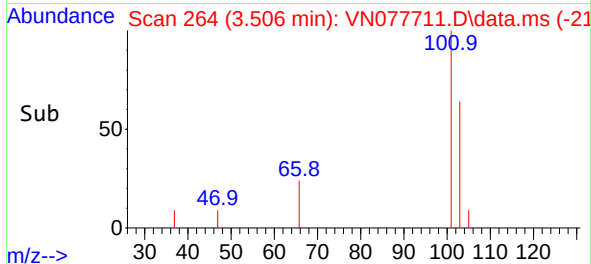
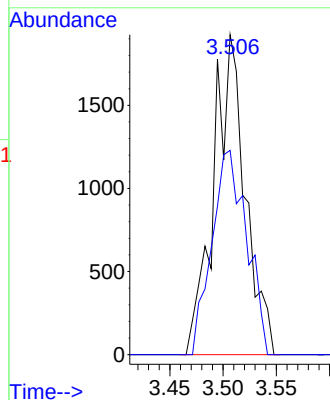
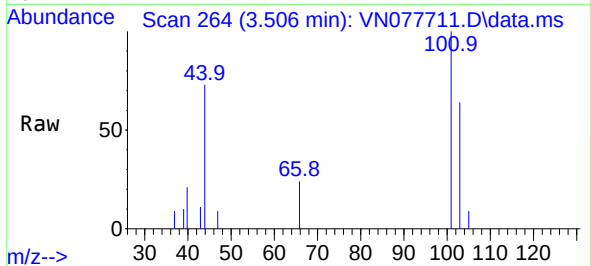




#7  
Trichlorofluoromethane  
Concen: 0.530 ug/l  
RT: 3.506 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

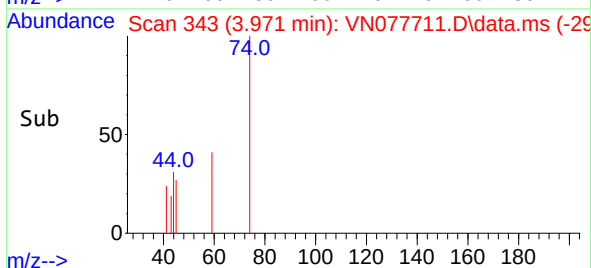
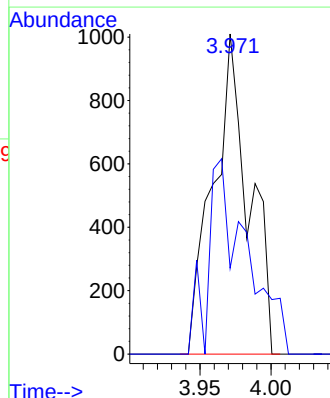
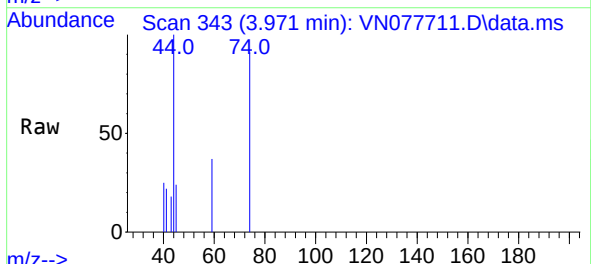
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

Tgt Ion:101 Resp: 3971  
Ion Ratio Lower Upper  
101 100  
103 63.8 50.7 76.1



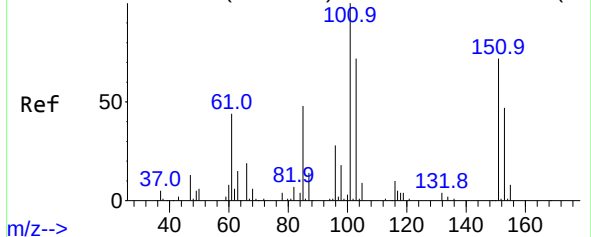
#8  
Diethyl Ether  
Concen: 0.643 ug/l  
RT: 3.971 min Scan# 343  
Delta R.T. 0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 74 Resp: 1760  
Ion Ratio Lower Upper  
74 100  
45 66.4 34.4 103.3

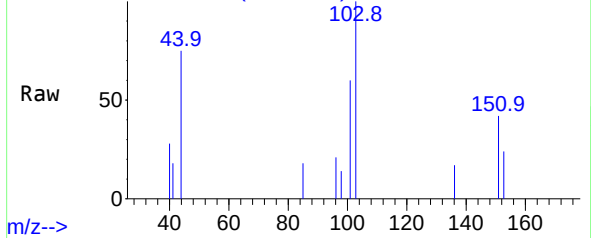




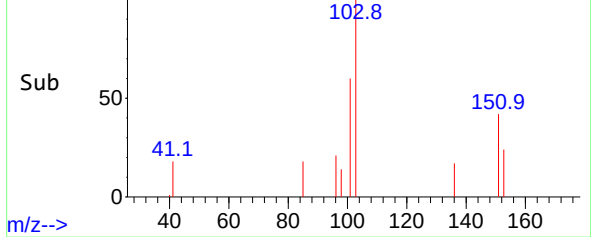
Abundance Scan 412 (4.377 min): VN077675.D\data.ms (-39



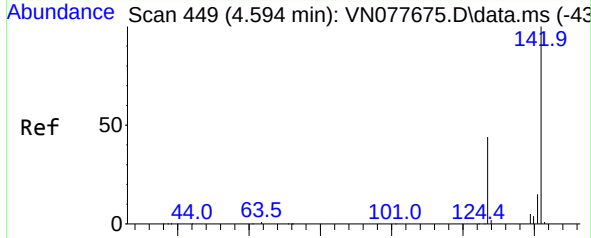
m/z--> Scan 414 (4.389 min): VN077711.D\data.ms



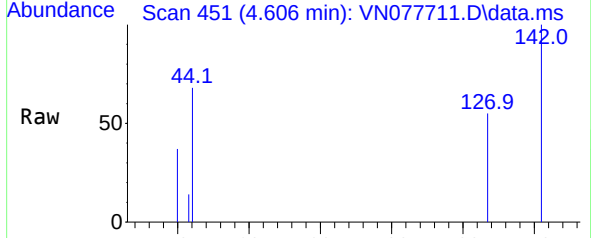
m/z--> Abundance Scan 414 (4.389 min): VN077711.D\data.ms (-36



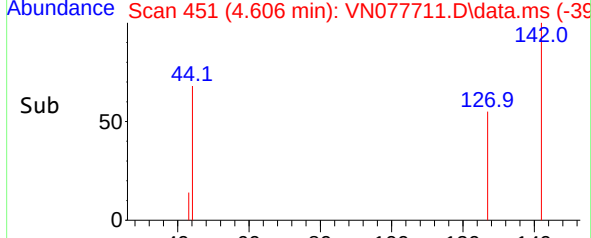
m/z--> Abundance Scan 449 (4.594 min): VN077675.D\data.ms (-43



m/z--> Abundance Scan 451 (4.606 min): VN077711.D\data.ms



m/z--> Abundance Scan 451 (4.606 min): VN077711.D\data.ms (-39



m/z--> Abundance

#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.242 ug/l

RT: 4.389 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion:101 Resp: 1003

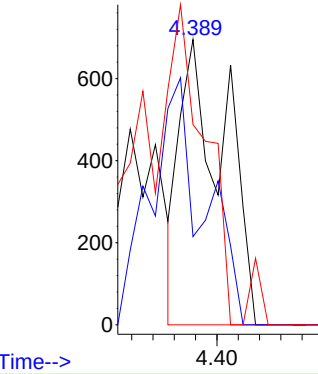
Ion Ratio Lower Upper

101 100

85 109.3 36.6 55.0#

151 153.2 57.6 86.4#

Abundance



Time-->

#10

Methyl Iodide

Concen: 0.434 ug/l

RT: 4.606 min Scan# 451

Delta R.T. 0.012 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

Tgt Ion:142 Resp: 2146

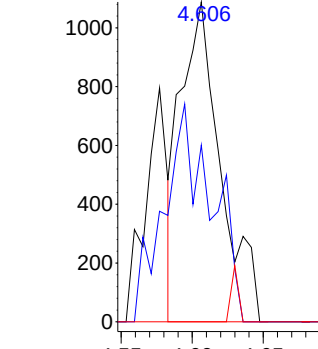
Ion Ratio Lower Upper

142 100

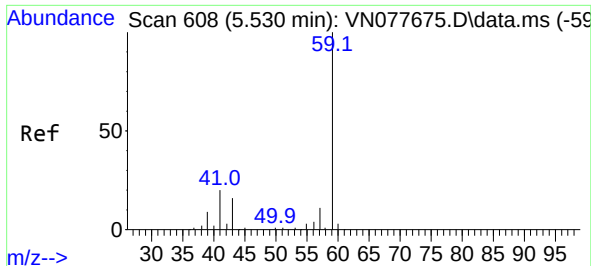
127 55.2 37.6 56.4

141 0.0 11.4 17.0#

Abundance



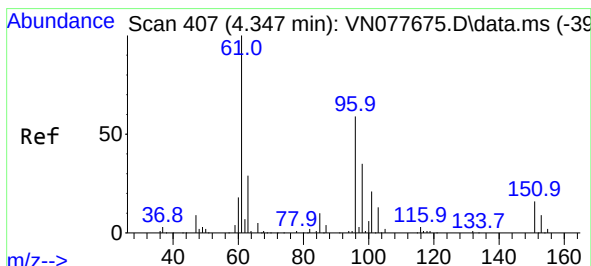
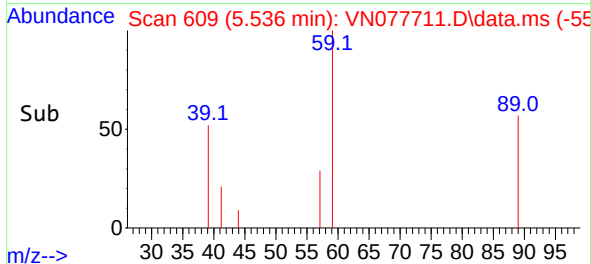
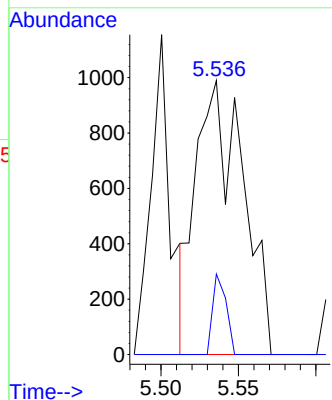
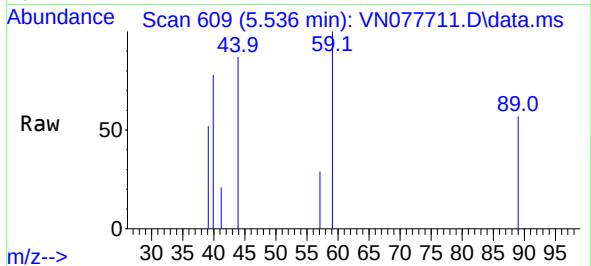
Time-->



#11  
Tert butyl alcohol  
Concen: 2.692 ug/l  
RT: 5.536 min Scan# 608  
Delta R.T. 0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

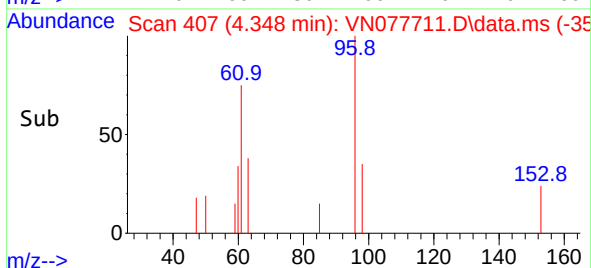
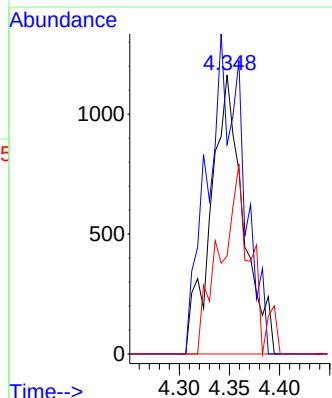
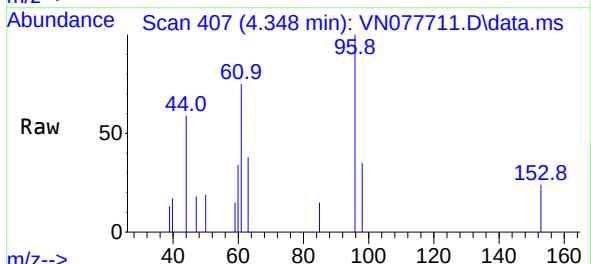
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

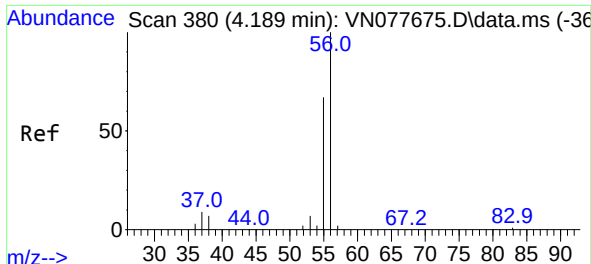
Tgt Ion: 59 Resp: 2084  
Ion Ratio Lower Upper  
59 100  
57 8.4 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 0.664 ug/l  
RT: 4.348 min Scan# 407  
Delta R.T. 0.001 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 96 Resp: 2619  
Ion Ratio Lower Upper  
96 100  
61 75.1 112.7 169.1#  
98 35.1 51.2 76.8#

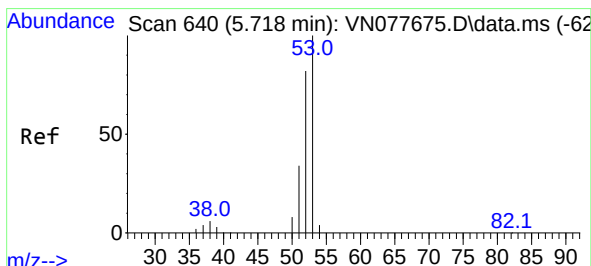
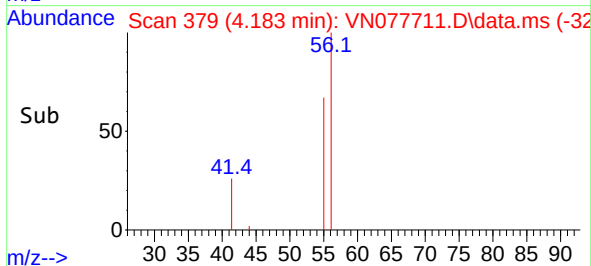
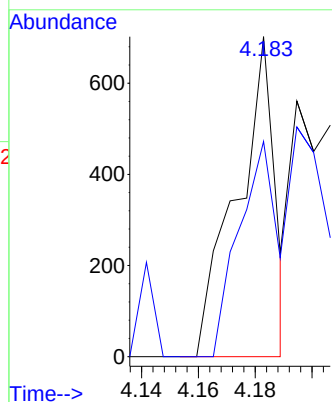
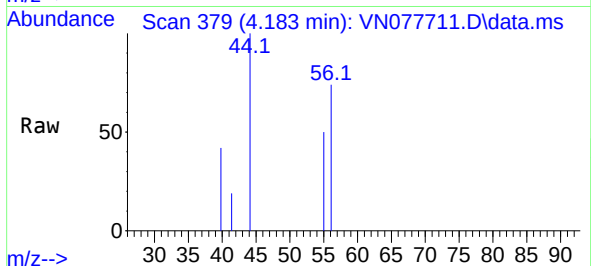




#13  
Acrolein  
Concen: 1.186 ug/l  
RT: 4.183 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

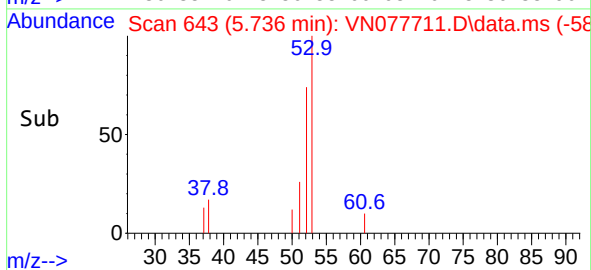
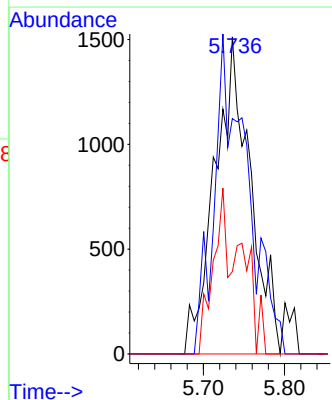
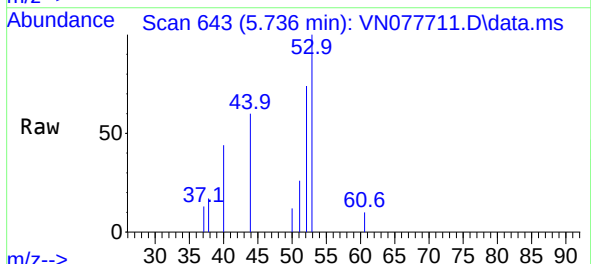
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

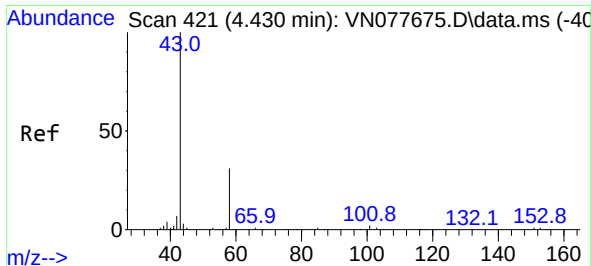
Tgt Ion: 56 Resp: 653  
Ion Ratio Lower Upper  
56 100  
55 67.1 54.5 81.7



#15  
Acrylonitrile  
Concen: 2.215 ug/l  
RT: 5.736 min Scan# 643  
Delta R.T. 0.018 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 53 Resp: 4581  
Ion Ratio Lower Upper  
53 100  
52 0.0 65.3 97.9#  
51 17.2 28.9 43.3#

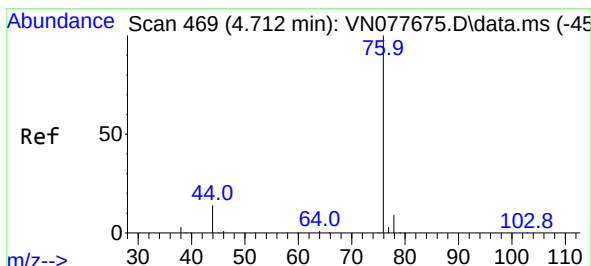
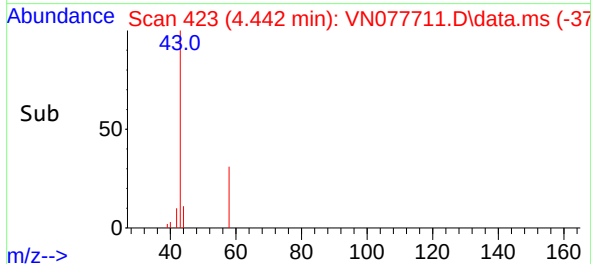
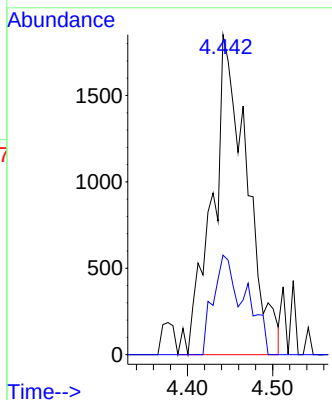
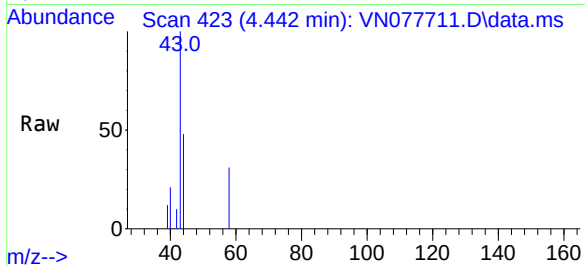




#16  
Acetone  
Concen: 2.963 ug/l  
RT: 4.442 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

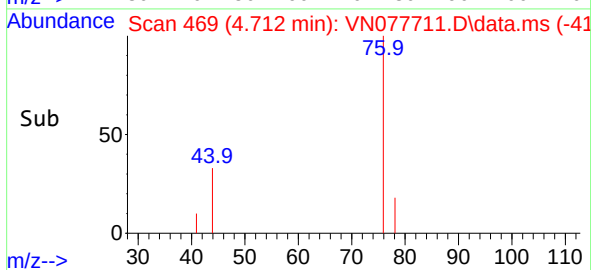
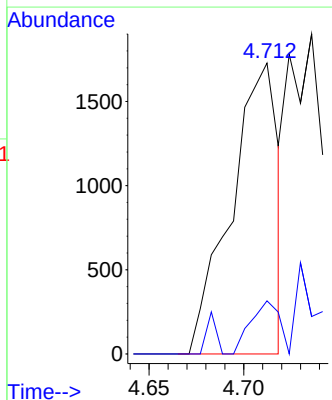
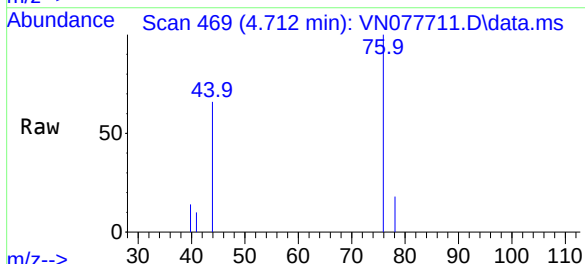
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

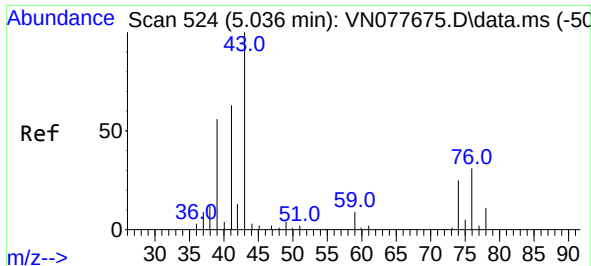
Tgt Ion: 43 Resp: 5228  
Ion Ratio Lower Upper  
43 100  
58 31.1 28.0 42.0



#17  
Carbon Disulfide  
Concen: 0.278 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 76 Resp: 2954  
Ion Ratio Lower Upper  
76 100  
78 18.3 7.4 11.0#

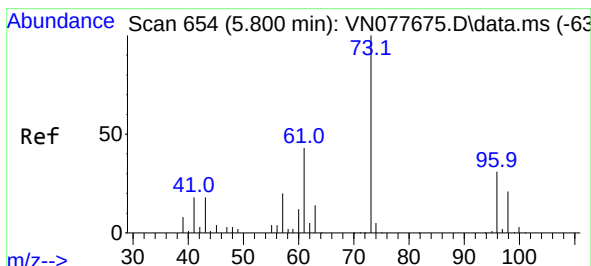
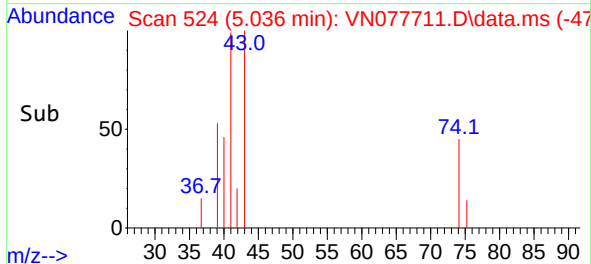
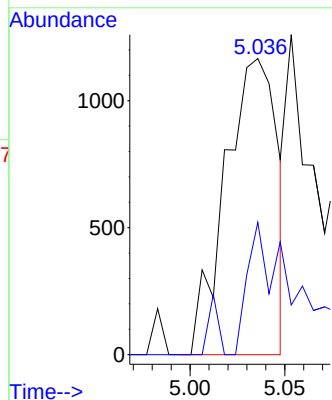
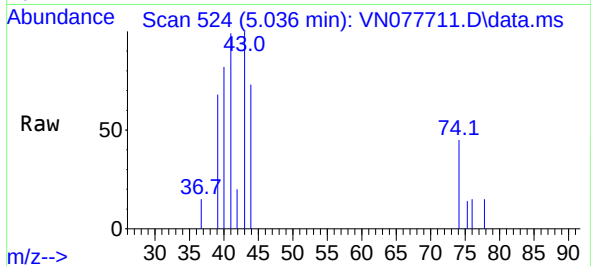




#18  
Methyl Acetate  
Concen: 0.301 ug/l  
RT: 5.036 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

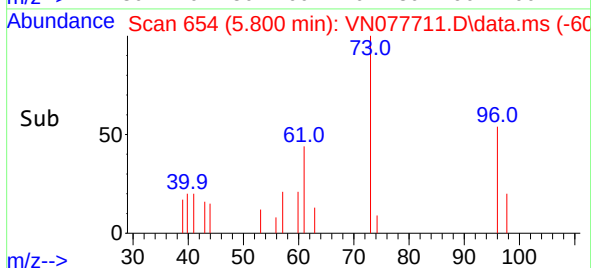
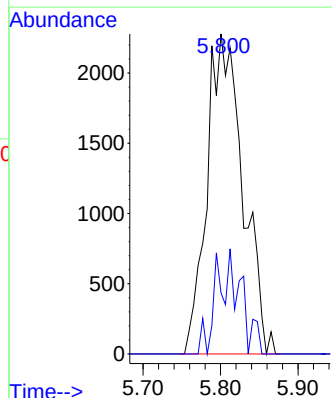
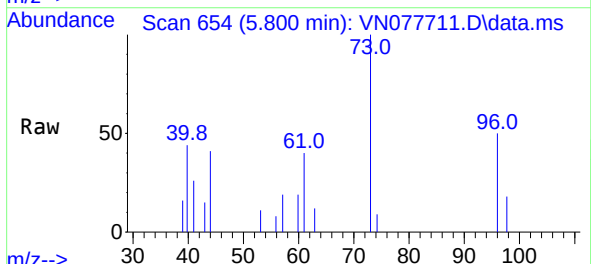
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

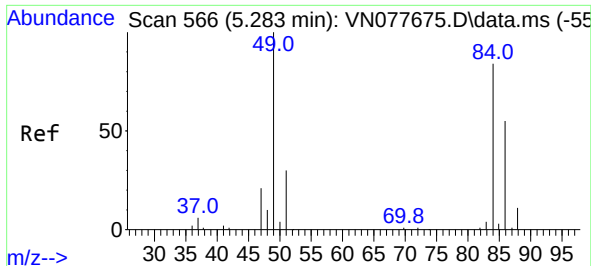
Tgt Ion: 43 Resp: 2225  
Ion Ratio Lower Upper  
43 100  
74 40.0 26.2 39.4#



#19  
Methyl tert-butyl Ether  
Concen: 0.513 ug/l  
RT: 5.800 min Scan# 654  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 73 Resp: 7320  
Ion Ratio Lower Upper  
73 100  
57 19.1 15.6 23.4

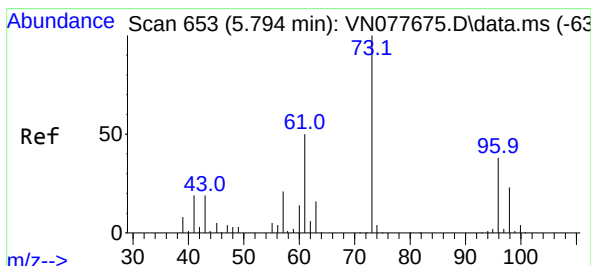
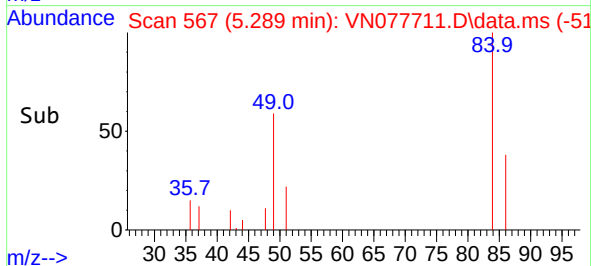
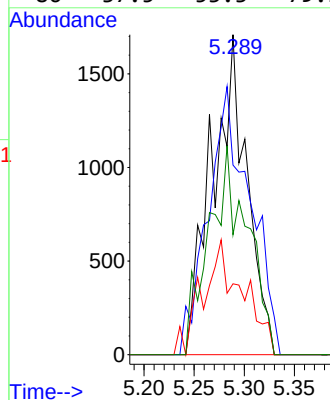
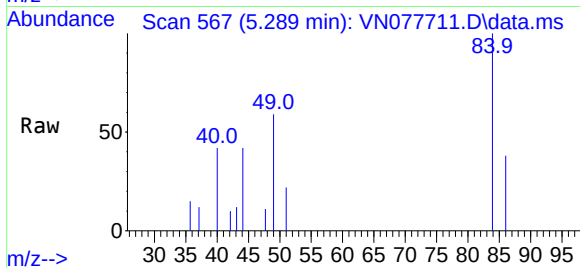




#20  
Methylene Chloride  
Concen: 0.781 ug/l  
RT: 5.289 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

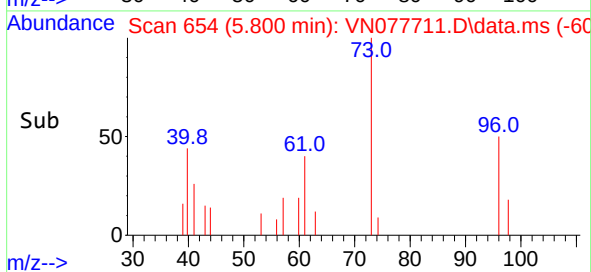
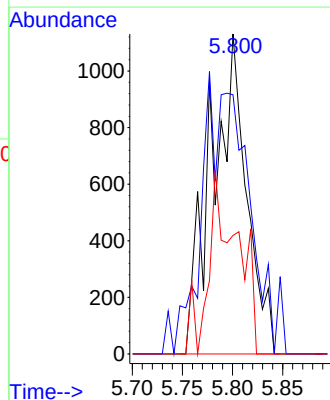
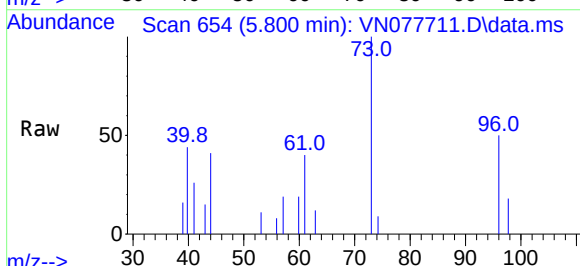
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

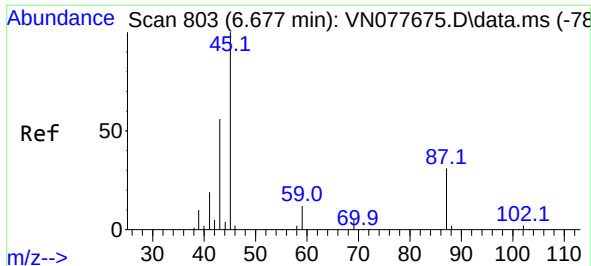
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 4129   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 59.3  | 79.7  | 119.5# |
| 51       | 22.2  | 25.2  | 37.8#  |
| 86       | 37.5  | 53.3  | 79.9#  |



#21  
trans-1,2-Dichloroethene  
Concen: 0.620 ug/l  
RT: 5.800 min Scan# 654  
Delta R.T. 0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 2745   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 66.0  | 90.1  | 135.1# |
| 98       | 37.0  | 46.4  | 69.6#  |

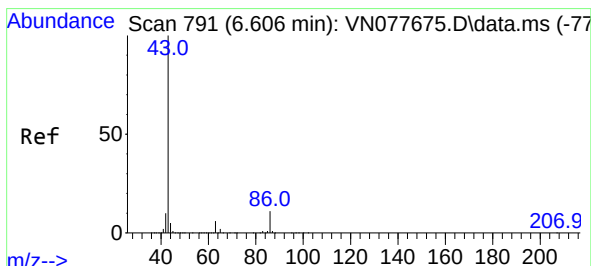
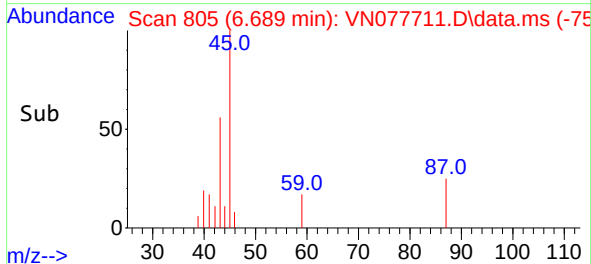
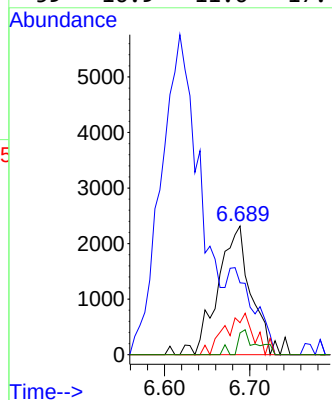
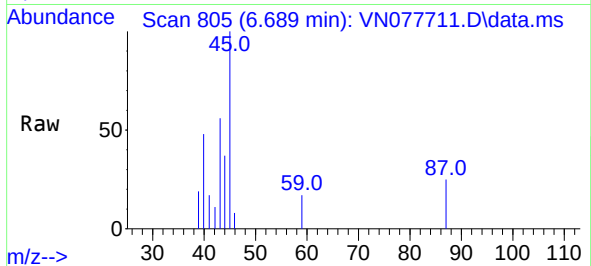




#22  
Diisopropyl ether  
Concen: 0.458 ug/l  
RT: 6.689 min Scan# 803  
Delta R.T. 0.012 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

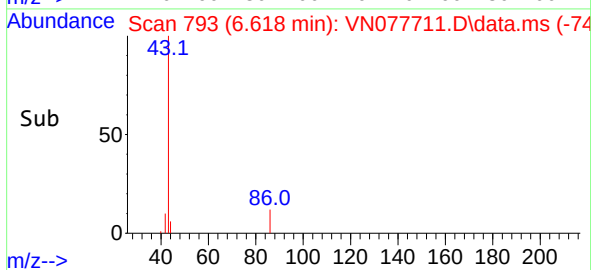
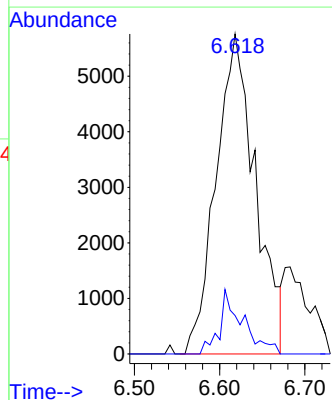
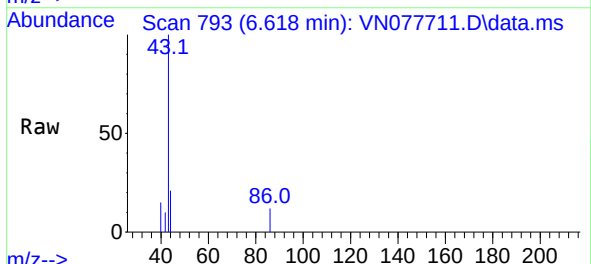
Instrument : MSVOA\_N  
ClientSampleId : MDL-WATER-03-QT2-2023

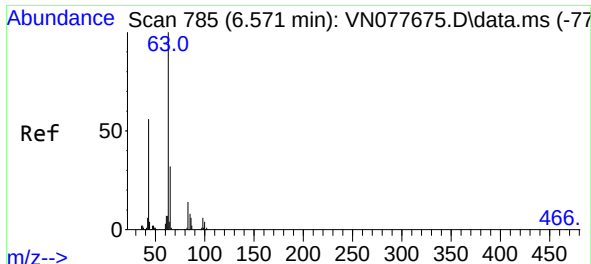
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 6215  |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 55.8  | 45.5  | 68.3  |
| 87       | 24.9  | 31.8  | 47.8# |
| 59       | 16.9  | 11.6  | 17.4  |



#23  
Vinyl Acetate  
Concen: 2.203 ug/l  
RT: 6.618 min Scan# 793  
Delta R.T. 0.012 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 18531 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 12.0  | 13.0  | 19.6# |

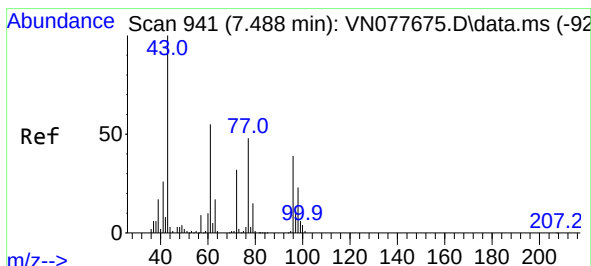
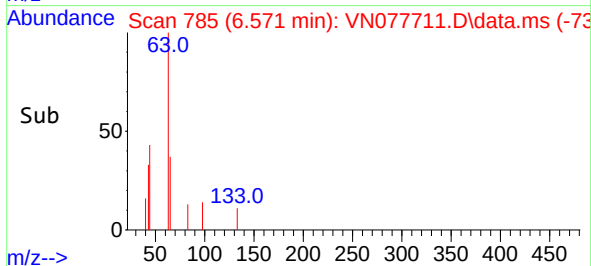
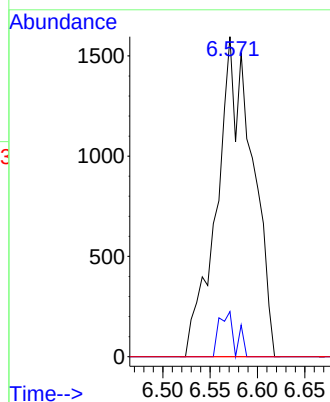
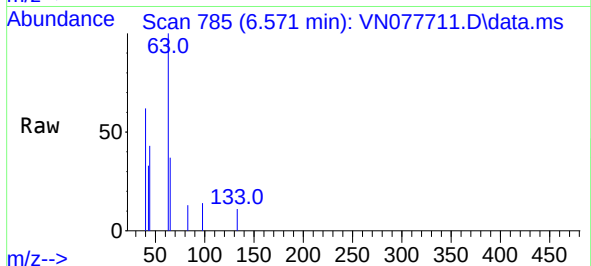




#24  
1,1-Dichloroethane  
Concen: 0.505 ug/l  
RT: 6.571 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

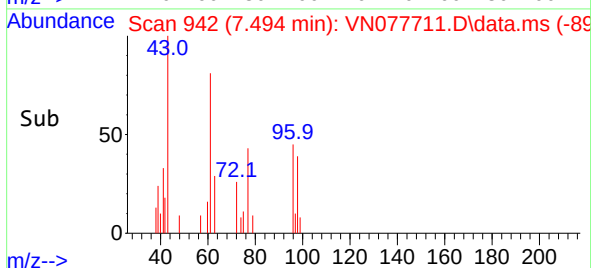
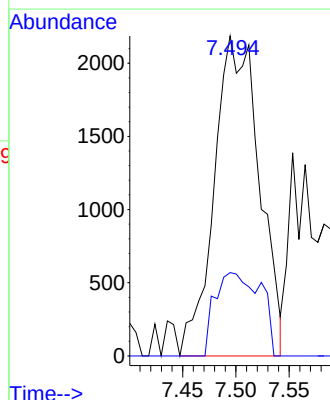
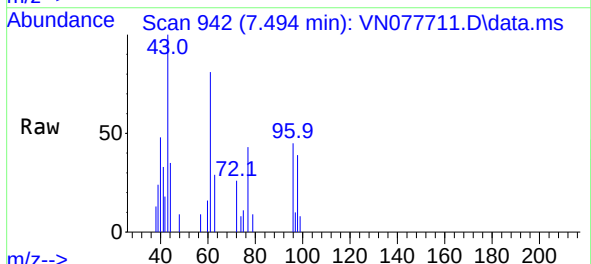
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 4201  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 14.1  | 3.9   | 11.7# |
| 100      | 0.0   | 2.5   | 7.4#  |

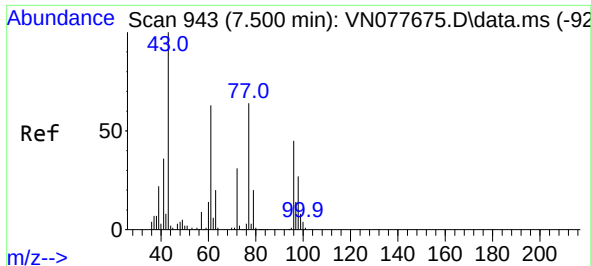


#25  
2-Butanone  
Concen: 2.327 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 6422  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 26.0  | 30.2  | 45.2# |



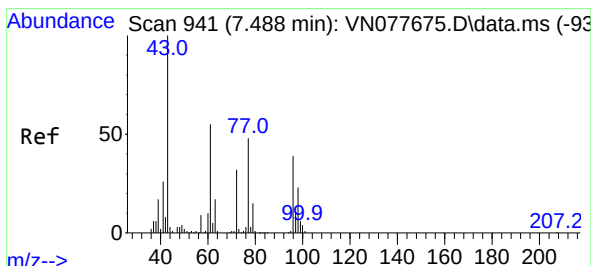
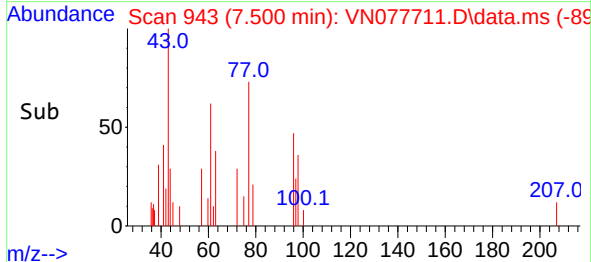
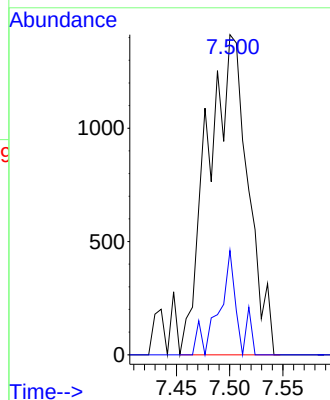
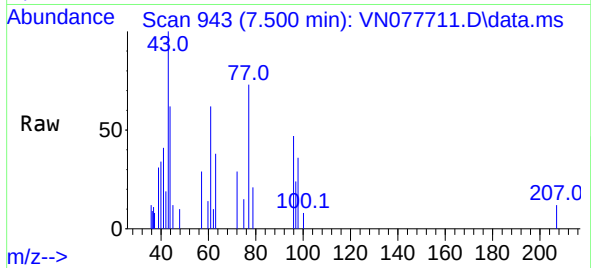




#26  
2,2-Dichloropropane  
Concen: 0.527 ug/l  
RT: 7.500 min Scan# 943  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

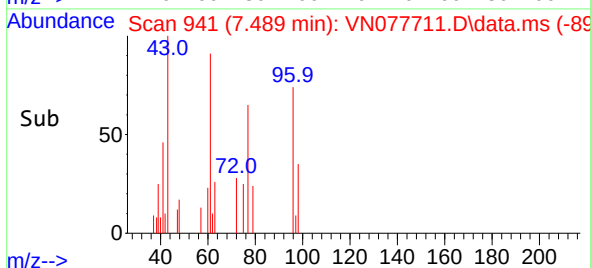
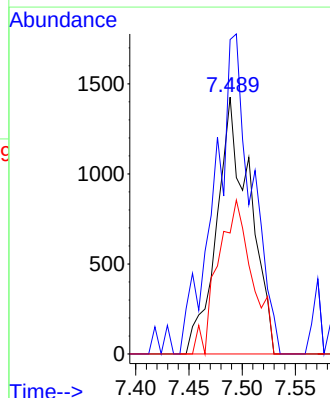
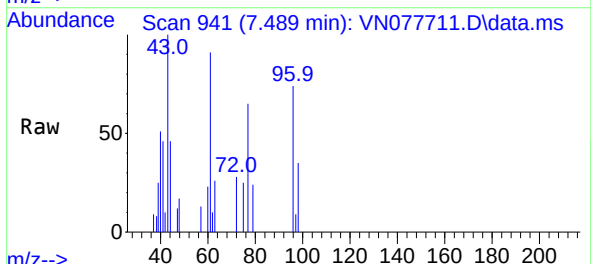
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

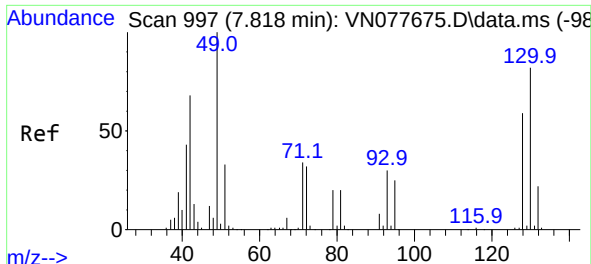
Tgt Ion: 77 Resp: 3725  
Ion Ratio Lower Upper  
77 100  
97 15.0 11.2 33.6



#27  
cis-1,2-Dichloroethene  
Concen: 0.582 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.001 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 96 Resp: 3089  
Ion Ratio Lower Upper  
96 100  
61 139.5 0.0 255.2  
98 61.7 0.0 128.8

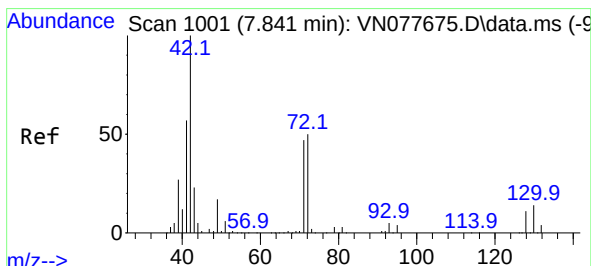
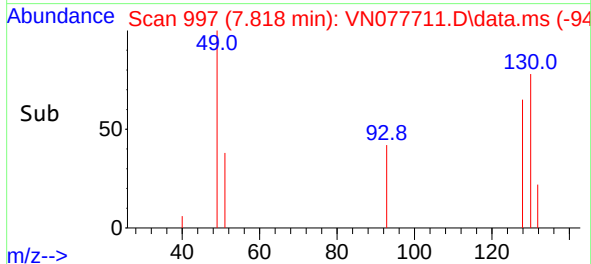
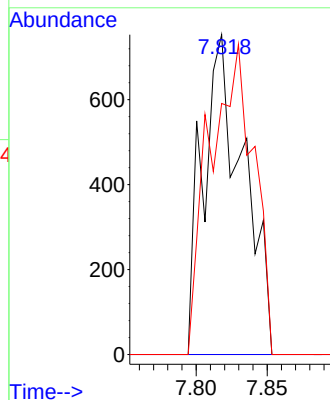
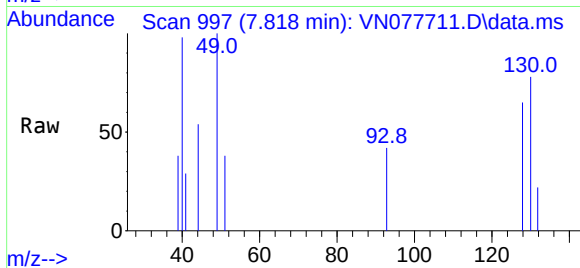




#28  
Bromochloromethane  
Concen: 0.414 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

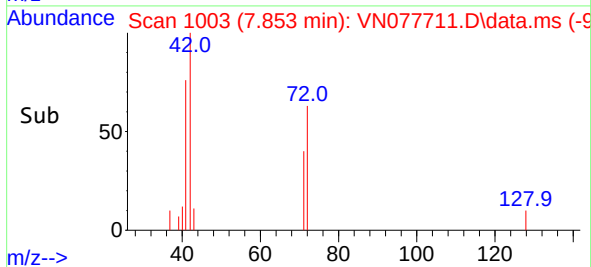
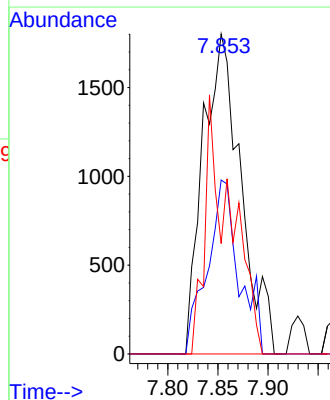
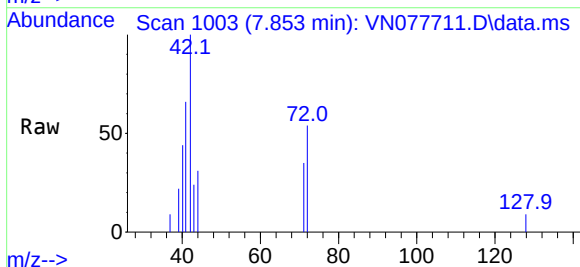
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

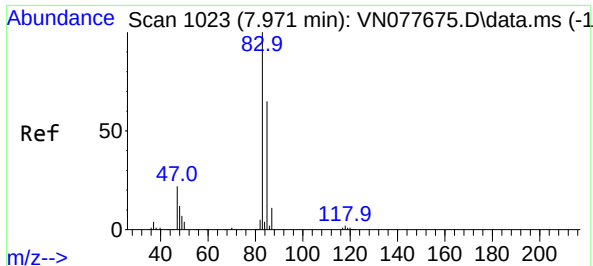
Tgt Ion: 49 Resp: 1490  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 4.8  
130 105.8 75.3 112.9



#29  
Tetrahydrofuran  
Concen: 2.622 ug/l  
RT: 7.853 min Scan# 1003  
Delta R.T. 0.012 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 42 Resp: 4739  
Ion Ratio Lower Upper  
42 100  
72 45.7 49.8 74.6#  
71 28.4 47.4 71.2#





#30

Chloroform

Concen: 0.511 ug/l

RT: 7.971 min Scan# 1067

Delta R.T. -0.000 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

Instrument :

MSVOA\_N

ClientSampleId :

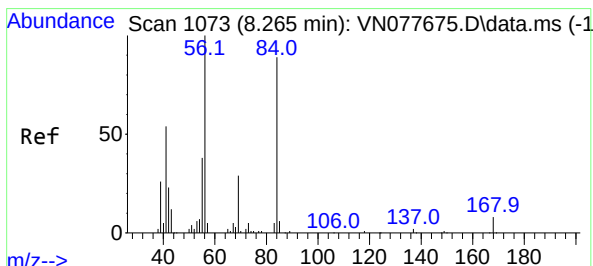
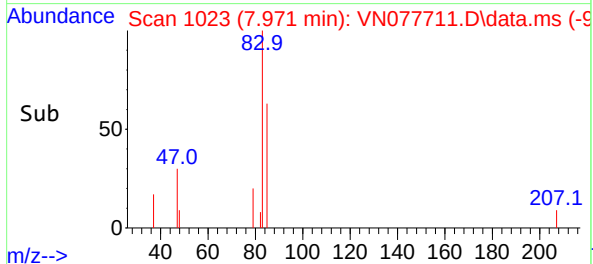
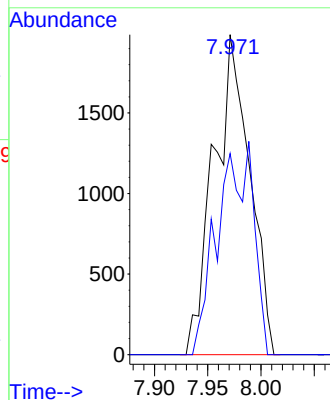
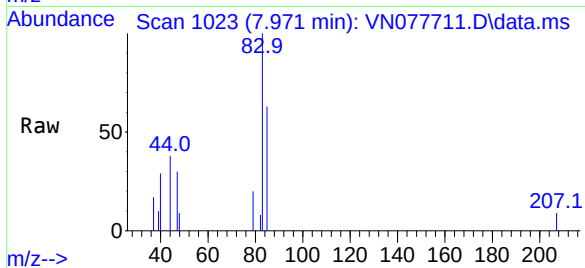
MDL-WATER-03-QT2-2023

Tgt Ion: 83 Resp: 4676

Ion Ratio Lower Upper

83 100

85 62.8 55.4 83.0



#31

Cyclohexane

Concen: 1.614 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

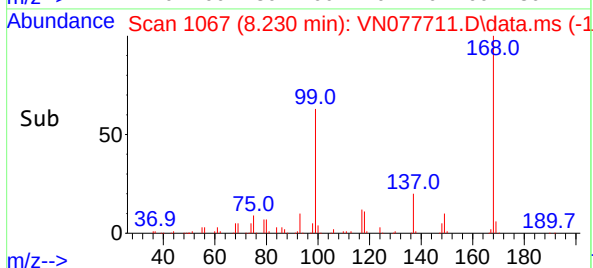
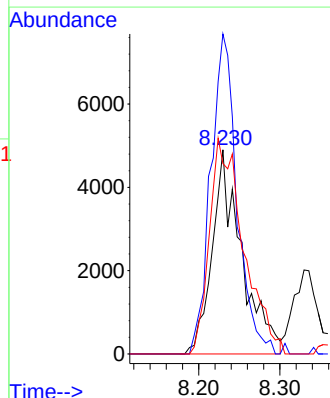
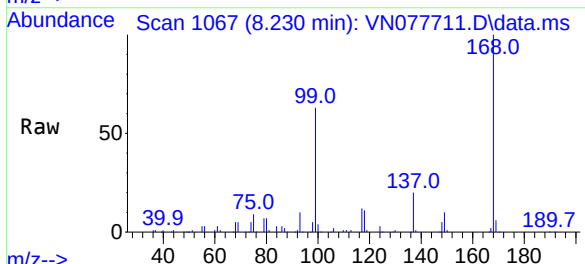
Tgt Ion: 56 Resp: 12306

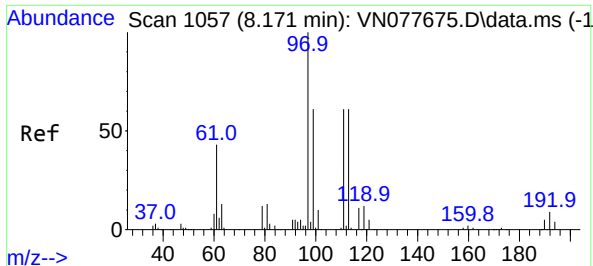
Ion Ratio Lower Upper

56 100

69 156.8 26.8 40.2#

84 93.2 81.8 122.6





#32

1,1,1-Trichloroethane

Concen: 0.532 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

Instrument :

MSVOA\_N

ClientSampleId :

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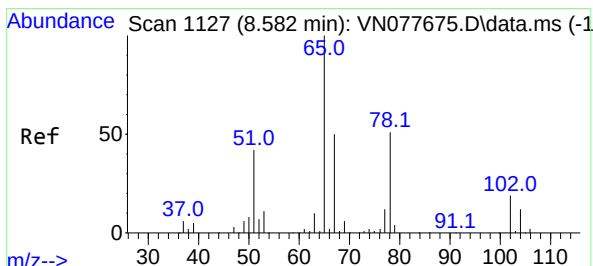
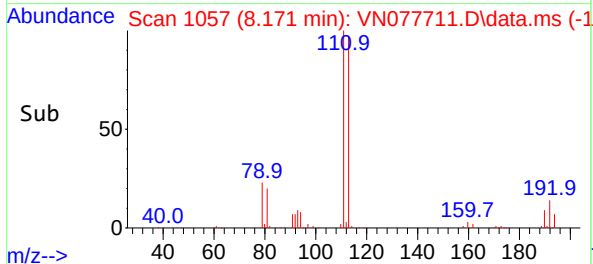
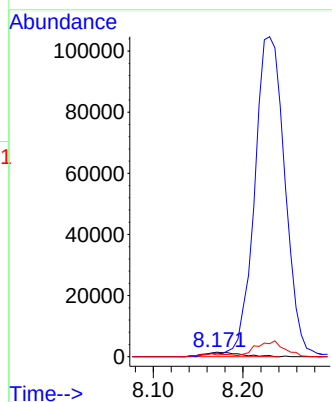
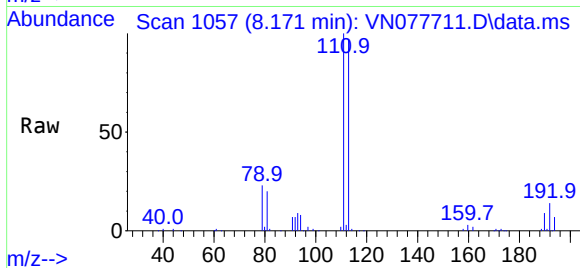
Tgt Ion: 97 Resp: 4137

Ion Ratio Lower Upper

97 100

99 0.0 50.3 75.5#

61 48.7 34.7 52.1



#33

1,2-Dichloroethane-d4

Concen: 50.997 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077711.D

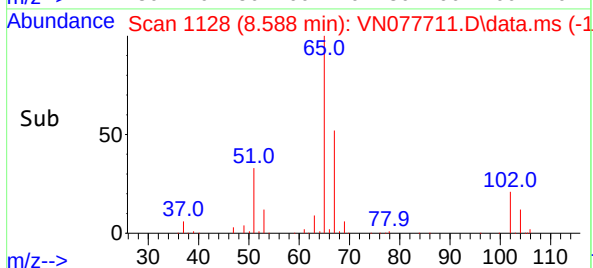
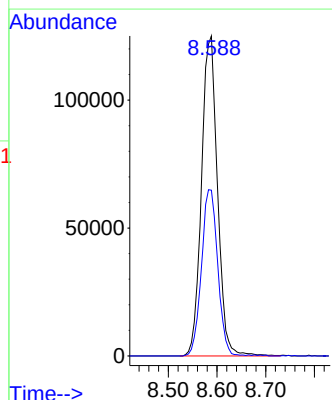
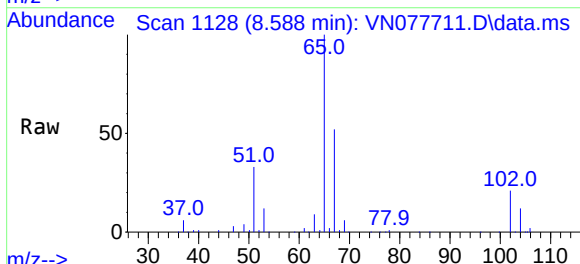
Acq: 17 May 2023 14:09

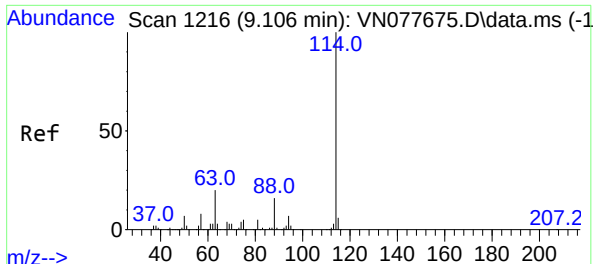
Tgt Ion: 65 Resp: 286026

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT2-2023

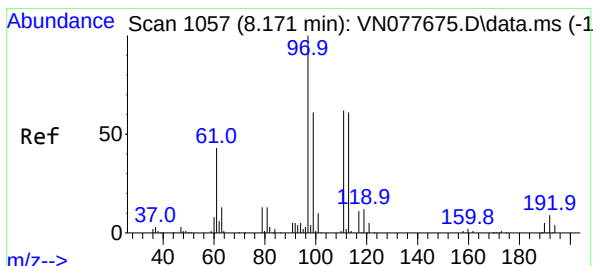
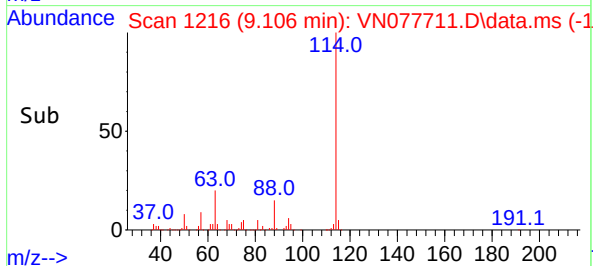
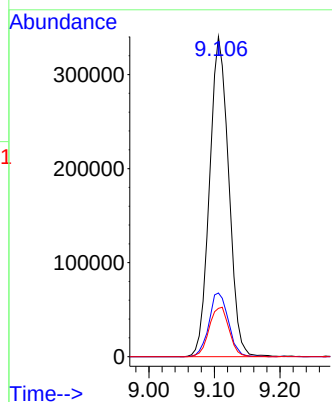
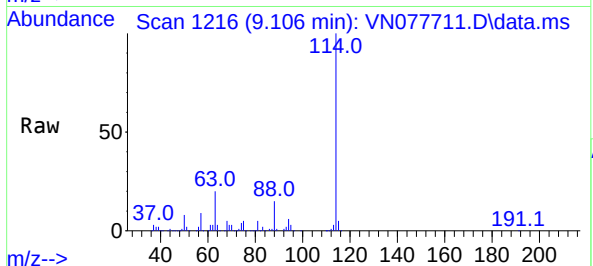
Tgt Ion:114 Resp: 688534

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.231 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

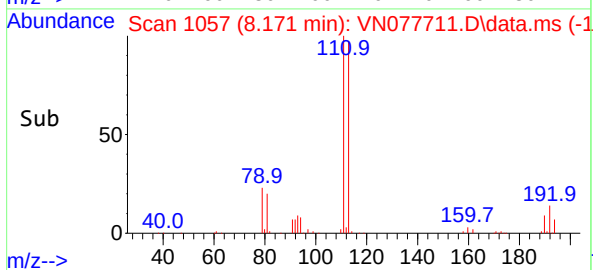
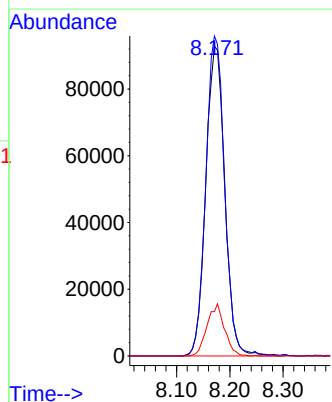
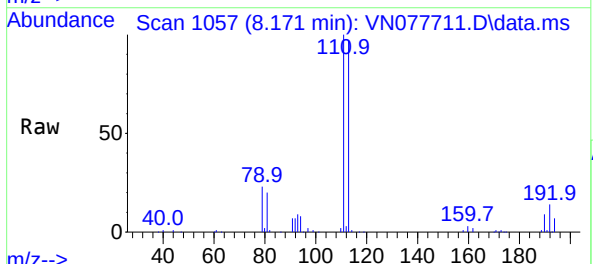
Tgt Ion:113 Resp: 230020

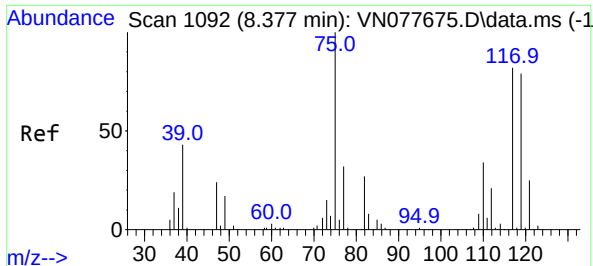
Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

192 15.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 0.536 ug/l

RT: 8.383 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT2-2023

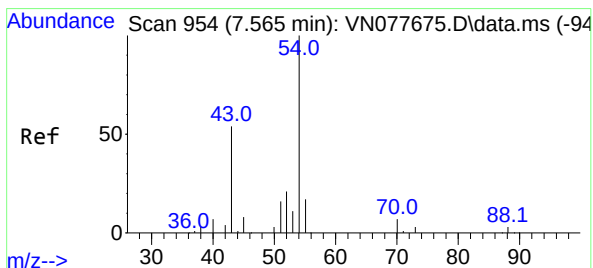
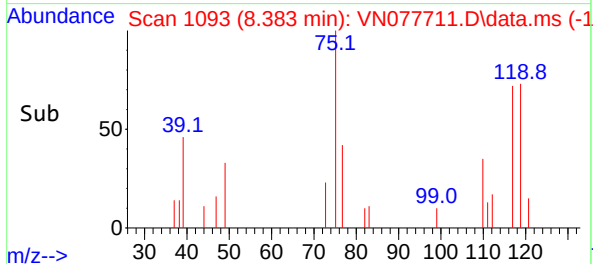
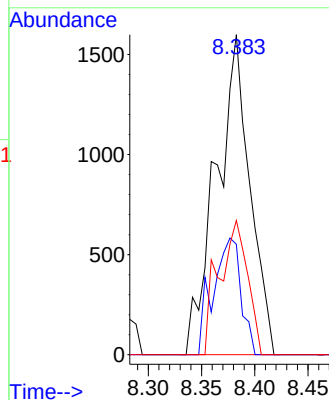
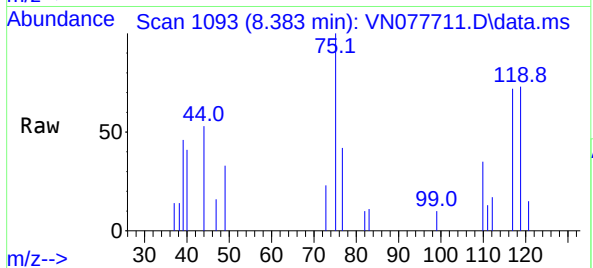
Tgt Ion: 75 Resp: 3519

Ion Ratio Lower Upper

75 100

110 30.1 19.1 57.3

77 35.6 25.0 37.4



#37

Ethyl Acetate

Concen: 0.247 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.012 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

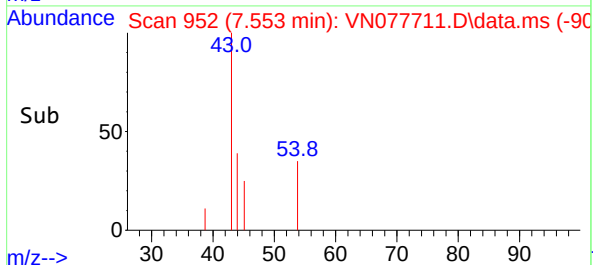
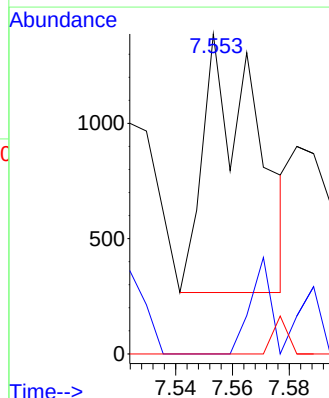
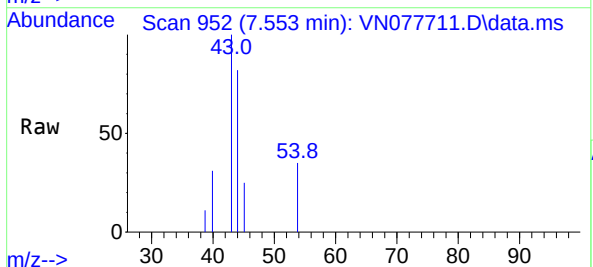
Tgt Ion: 43 Resp: 1448

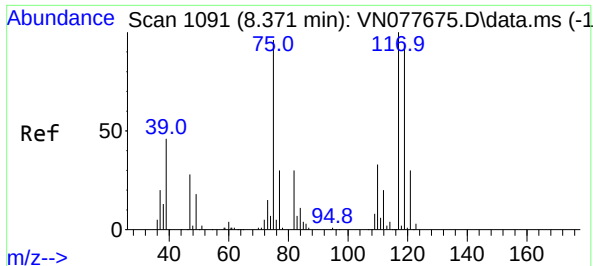
Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

70 0.0 11.3 16.9#

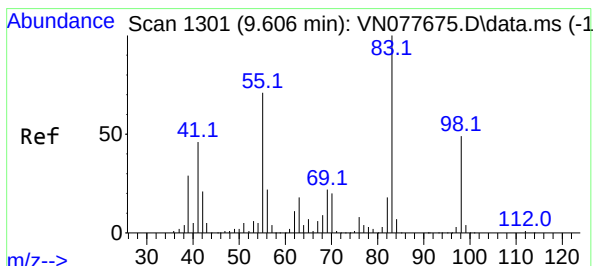
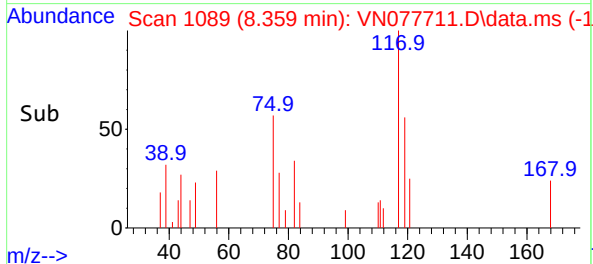
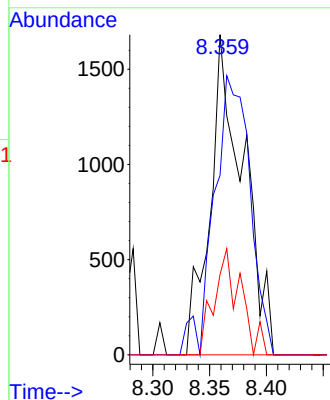
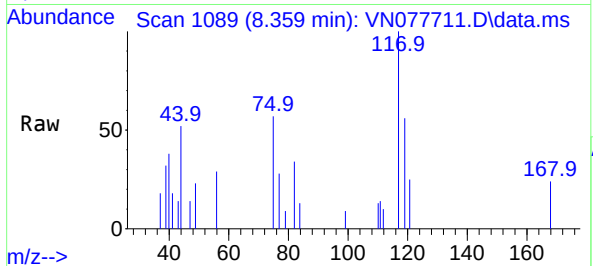




#38  
Carbon Tetrachloride  
Concen: 0.519 ug/l  
RT: 8.359 min Scan# 1089  
Delta R.T. -0.012 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

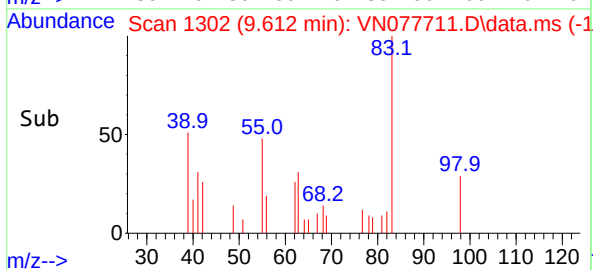
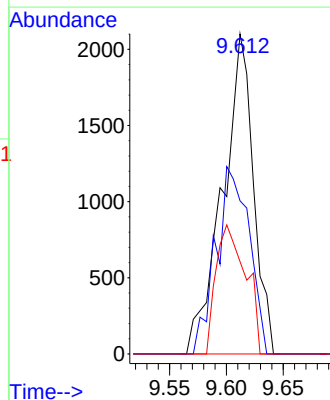
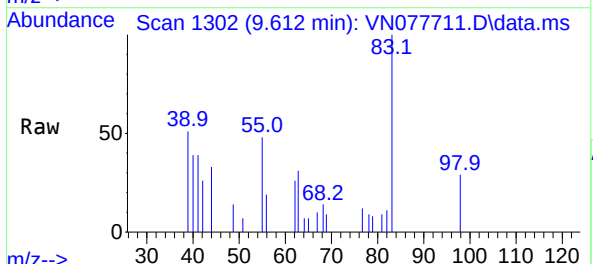
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

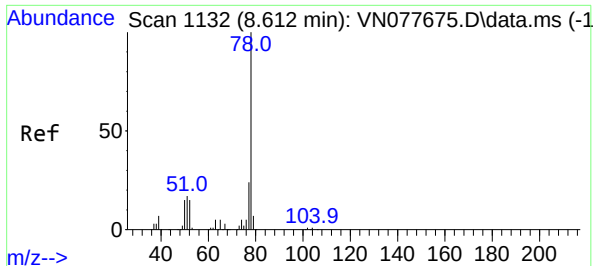
Tgt Ion:117 Resp: 3445  
Ion Ratio Lower Upper  
117 100  
119 56.1 77.3 115.9#  
121 25.1 23.3 34.9



#39  
Methylcyclohexane  
Concen: 0.493 ug/l  
RT: 9.612 min Scan# 1302  
Delta R.T. 0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 83 Resp: 3966  
Ion Ratio Lower Upper  
83 100  
55 47.8 49.1 73.7#  
98 28.8 40.6 61.0#

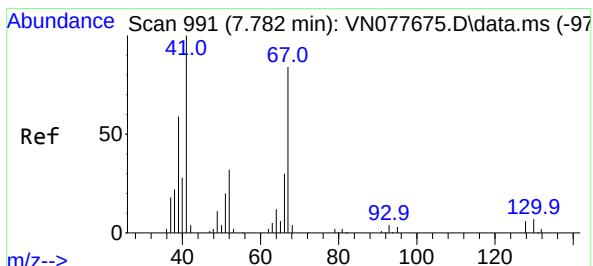
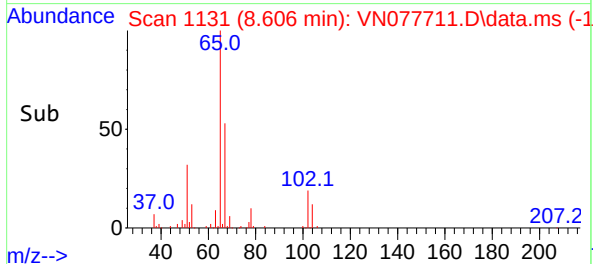
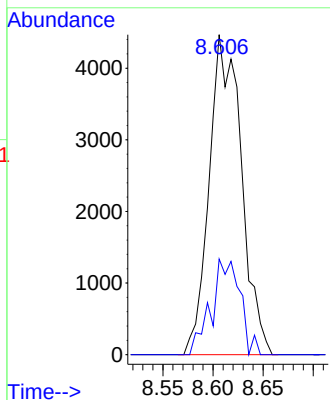
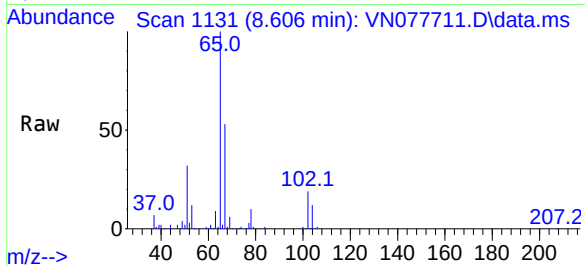




#40  
Benzene  
Concen: 0.513 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

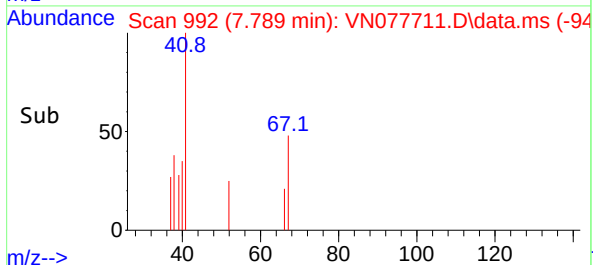
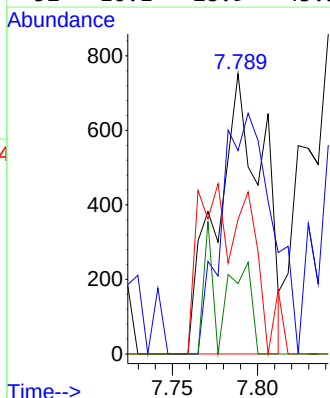
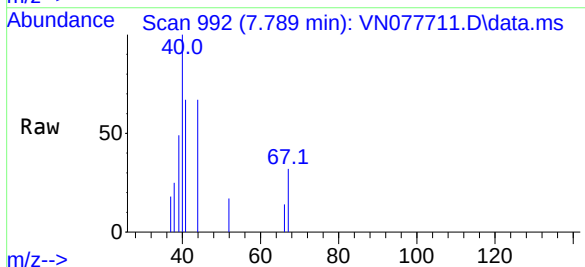
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

Tgt Ion: 78 Resp: 9949  
Ion Ratio Lower Upper  
78 100  
77 29.9 19.0 28.6#

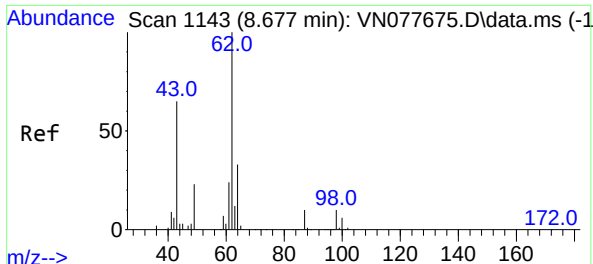


#41  
Methacrylonitrile  
Concen: 0.456 ug/l  
RT: 7.789 min Scan# 992  
Delta R.T. 0.007 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 41 Resp: 1421  
Ion Ratio Lower Upper  
41 100  
39 94.2 42.6 64.0#  
67 0.0 77.5 116.3#  
52 16.1 28.9 43.3#







#42

1,2-Dichloroethane

Concen: 0.608 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

Instrument :

MSVOA\_N

ClientSampleId :

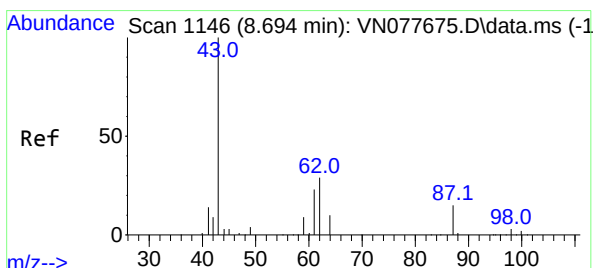
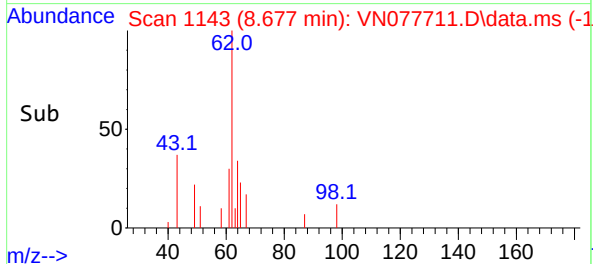
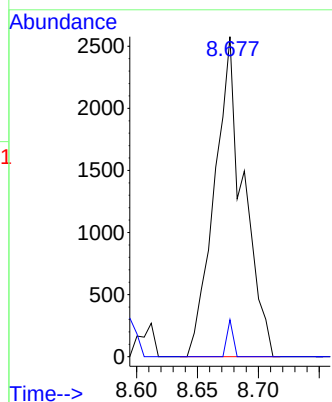
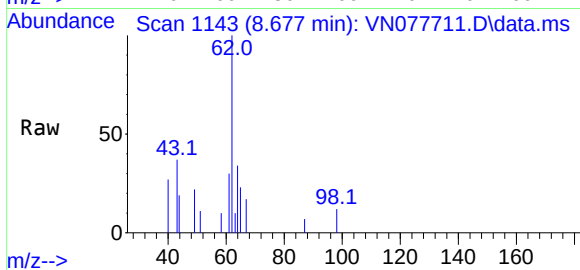
MDL-WATER-03-QT2-2023

Tgt Ion: 62 Resp: 4283

Ion Ratio Lower Upper

62 100

98 2.5 0.0 19.8



#43

Isopropyl Acetate

Concen: 0.482 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

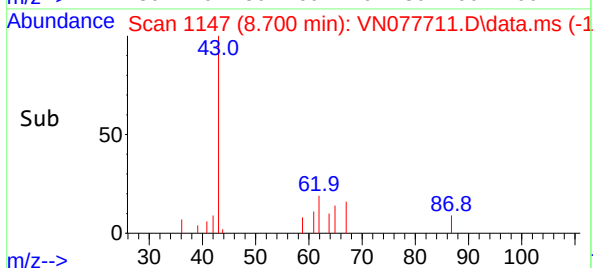
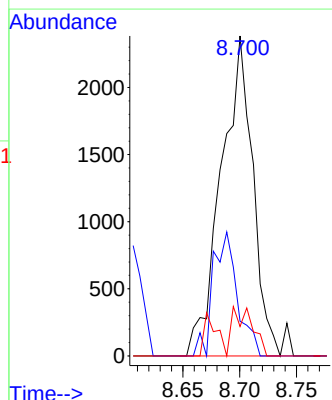
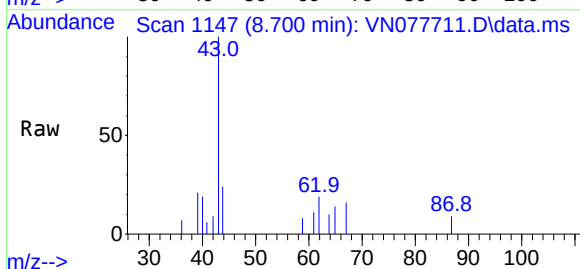
Tgt Ion: 43 Resp: 4604

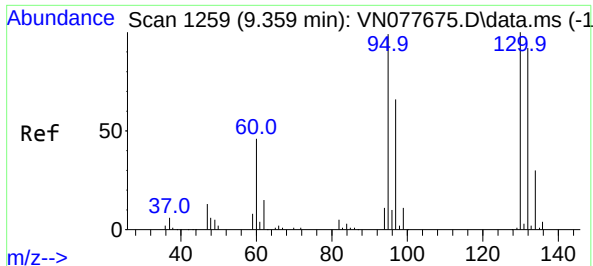
Ion Ratio Lower Upper

43 100

61 29.9 24.7 37.1

87 9.9 14.6 21.8#

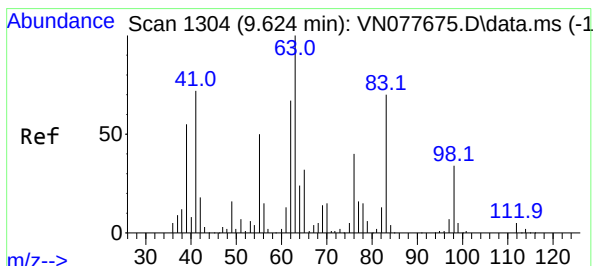
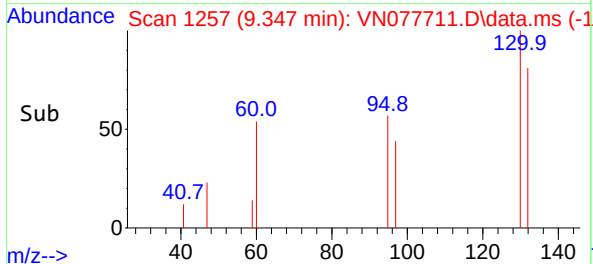
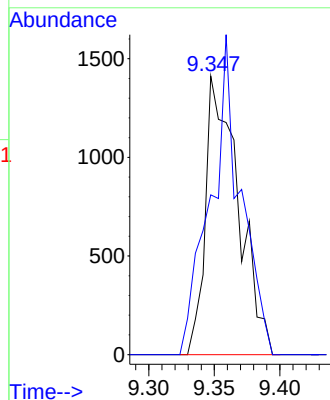
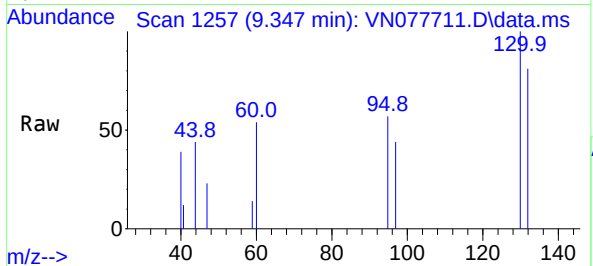




#44  
Trichloroethene  
Concen: 0.502 ug/l  
RT: 9.347 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

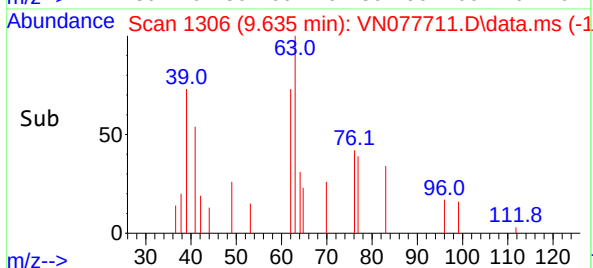
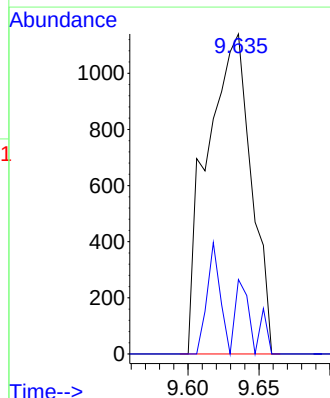
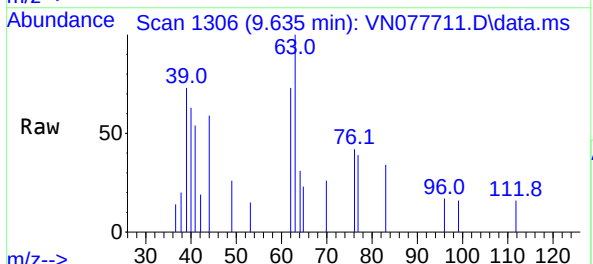
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

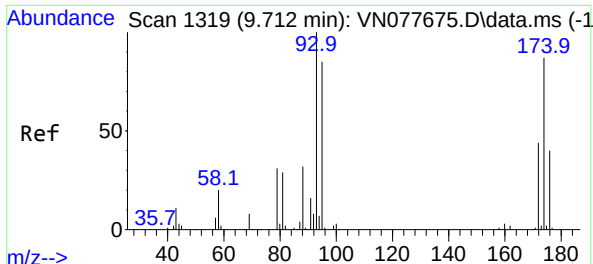
Tgt Ion:130 Resp: 2461  
Ion Ratio Lower Upper  
130 100  
95 57.4 0.0 204.6



#45  
1,2-Dichloropropane  
Concen: 0.499 ug/l  
RT: 9.635 min Scan# 1306  
Delta R.T. 0.011 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 63 Resp: 2466  
Ion Ratio Lower Upper  
63 100  
65 23.2 23.9 35.9#

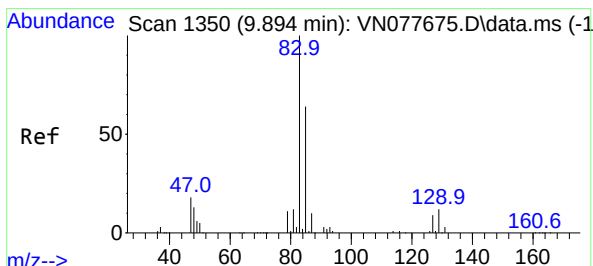
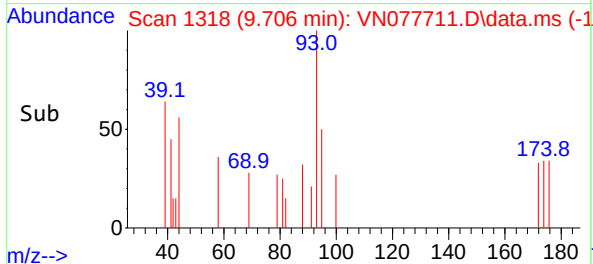
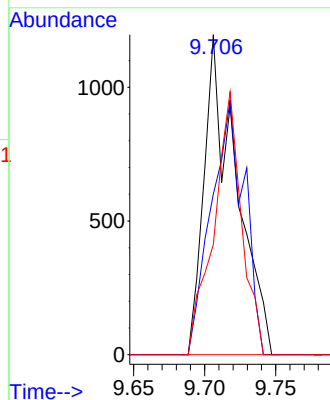
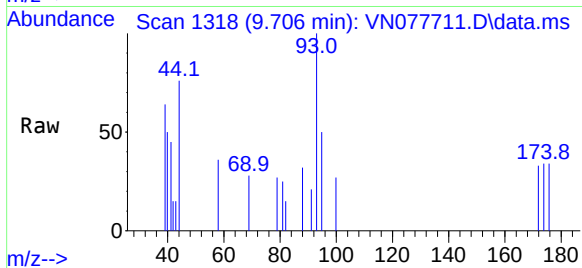




#46  
Dibromomethane  
Concen: 0.527 ug/l  
RT: 9.706 min Scan# 1318  
Delta R.T. -0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

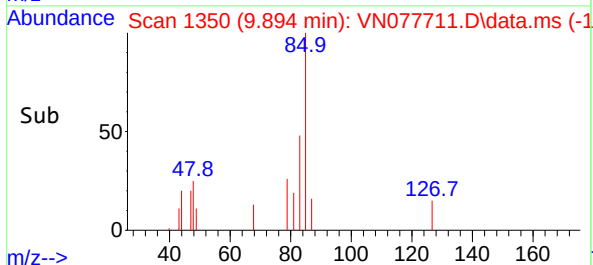
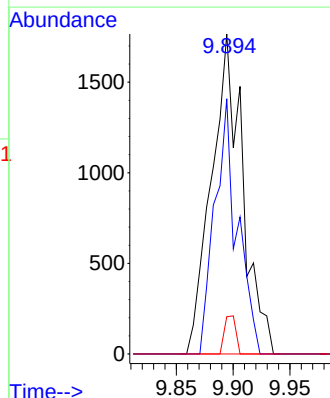
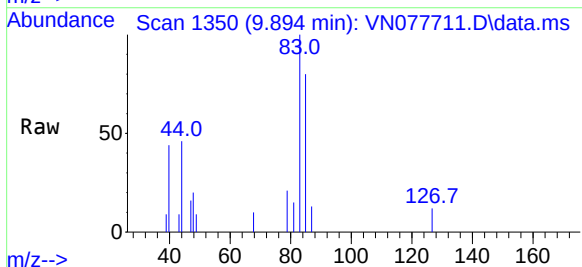
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

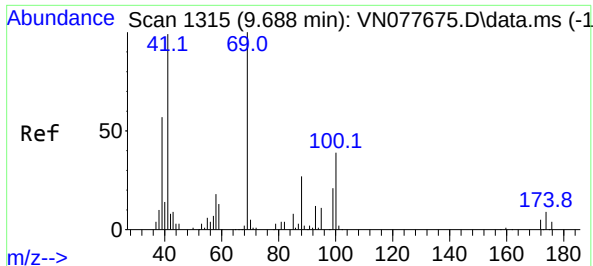
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1865  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 95       | 82.9  | 63.8  | 95.8  |
| 174      | 71.8  | 65.6  | 98.4  |



#47  
Bromodichloromethane  
Concen: 0.496 ug/l  
RT: 9.894 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 3360  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 79.7  | 49.6  | 74.4# |
| 127      | 11.7  | 7.0   | 10.6# |

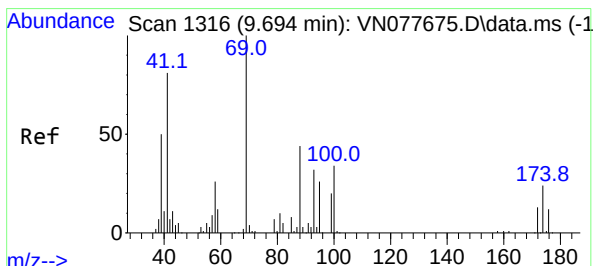
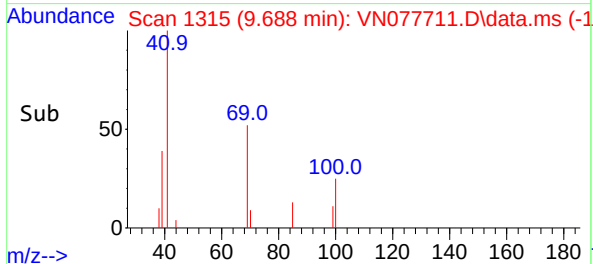
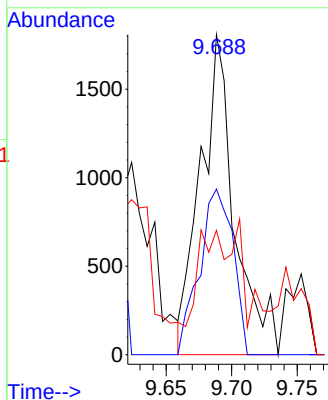
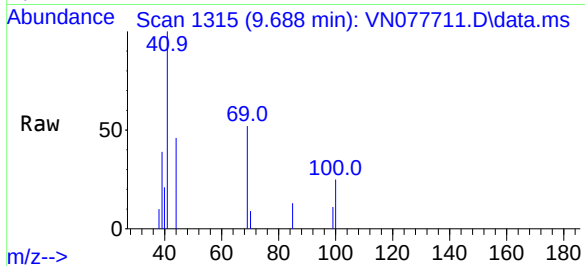




#48  
Methyl methacrylate  
Concen: 0.719 ug/l  
RT: 9.688 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

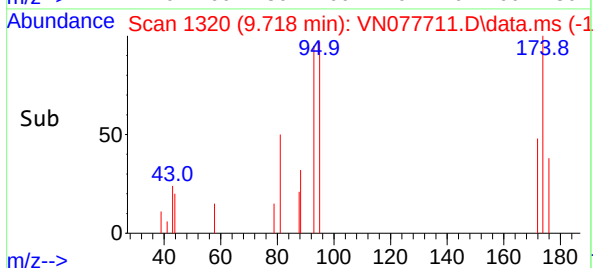
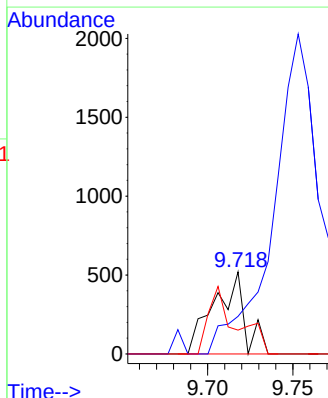
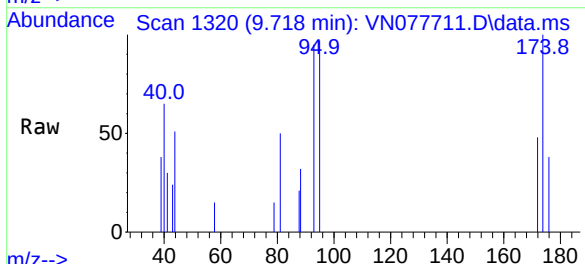
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

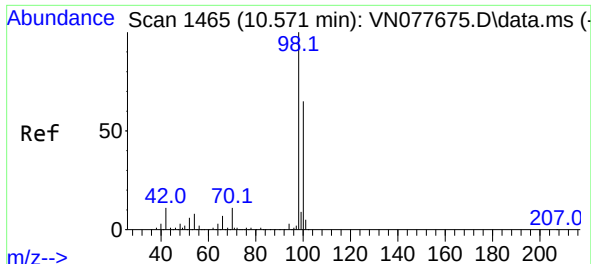
Tgt Ion: 41 Resp: 3260  
Ion Ratio Lower Upper  
41 100  
69 51.1 90.4 135.6#  
39 55.9 54.6 81.8



#49  
1,4-Dioxane  
Concen: 7.732 ug/l  
RT: 9.718 min Scan# 1320  
Delta R.T. 0.024 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 88 Resp: 662  
Ion Ratio Lower Upper  
88 100  
43 0.0 17.0 25.6#  
58 73.3 47.0 70.4#

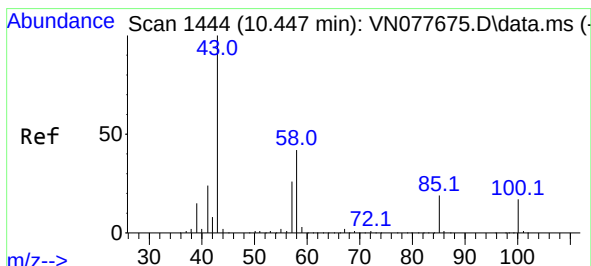
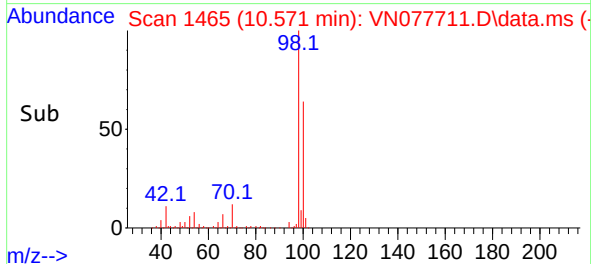
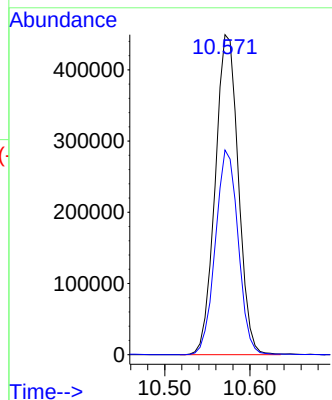
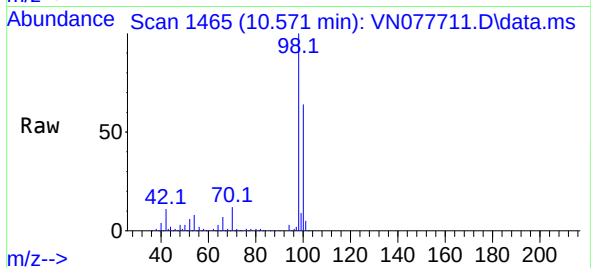




#50  
Toluene-d8  
Concen: 49.143 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

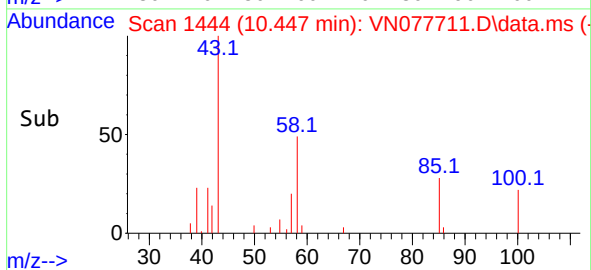
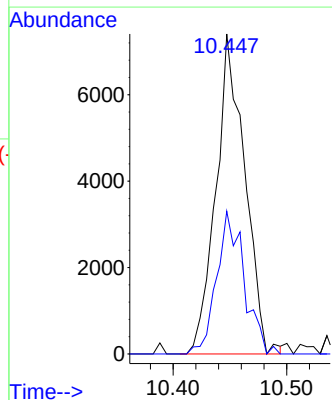
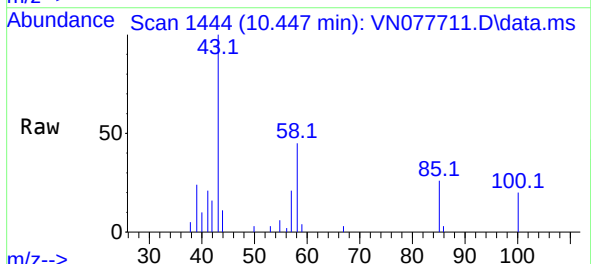
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

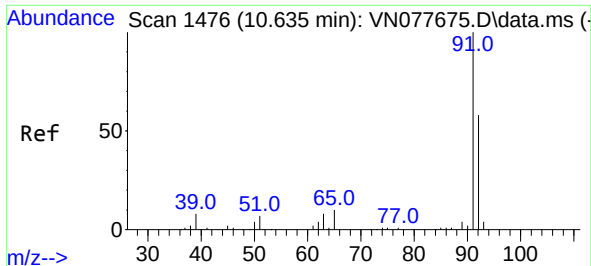
Tgt Ion: 98 Resp: 849286  
Ion Ratio Lower Upper  
98 100  
100 63.1 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 2.309 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 43 Resp: 13122  
Ion Ratio Lower Upper  
43 100  
58 42.3 36.6 54.8

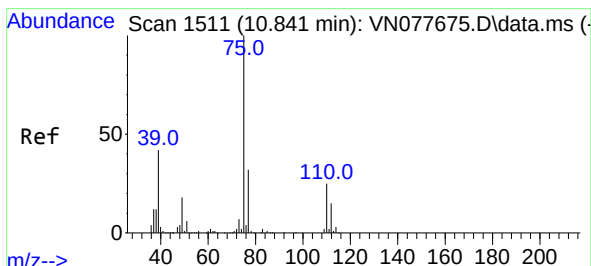
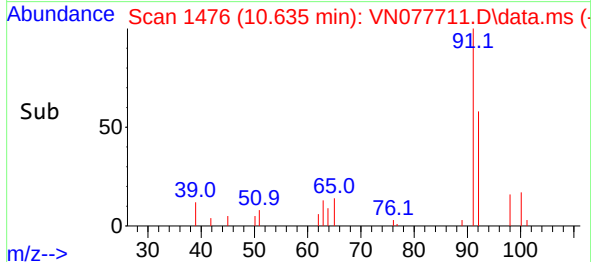
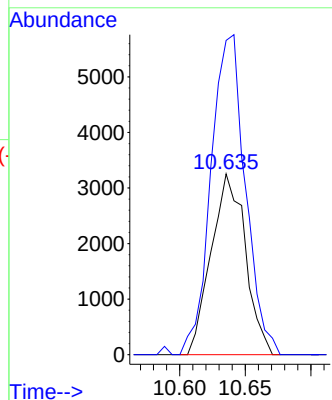
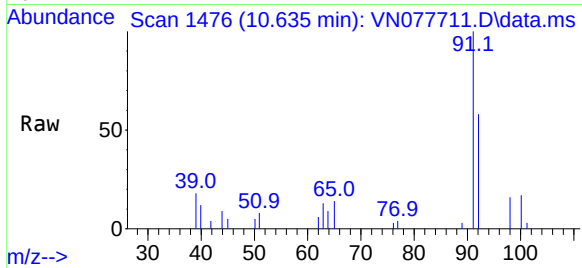




#52  
Toluene  
Concen: 0.489 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

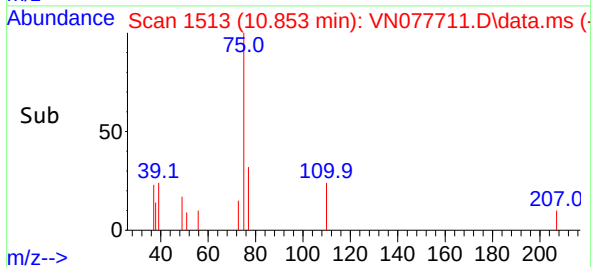
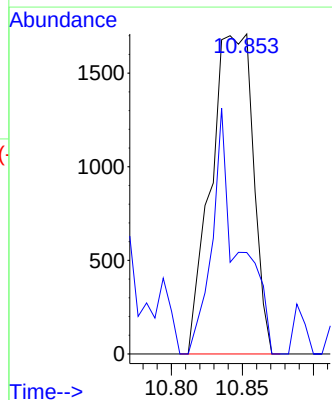
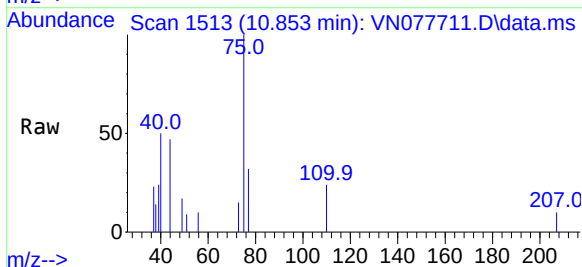
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

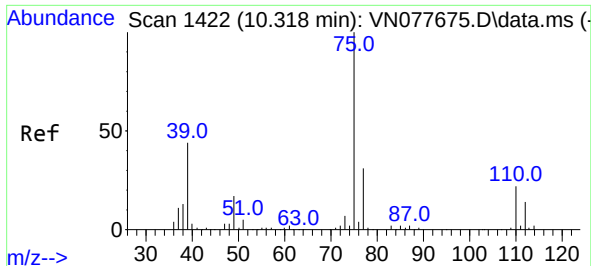
Tgt Ion: 92 Resp: 5901  
Ion Ratio Lower Upper  
92 100  
91 177.9 137.4 206.0



#53  
t-1,3-Dichloropropene  
Concen: 0.492 ug/l  
RT: 10.853 min Scan# 1513  
Delta R.T. 0.012 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 75 Resp: 3525  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.4 38.0

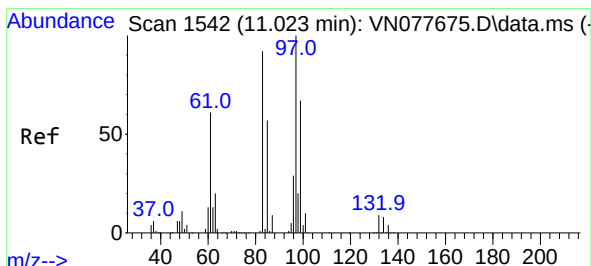
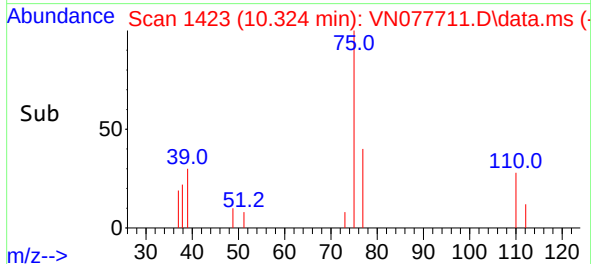
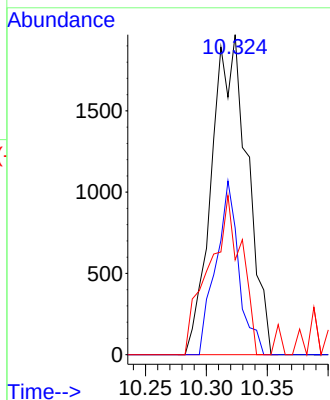
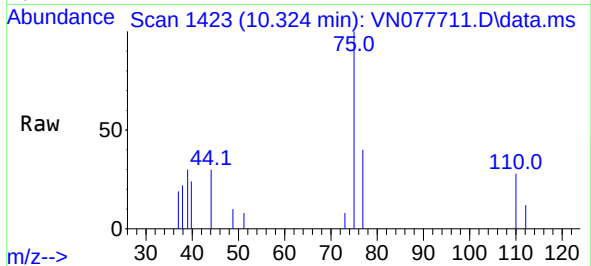




#54  
cis-1,3-Dichloropropene  
Concen: 0.509 ug/l  
RT: 10.324 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

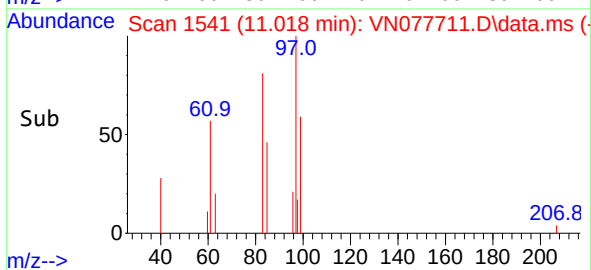
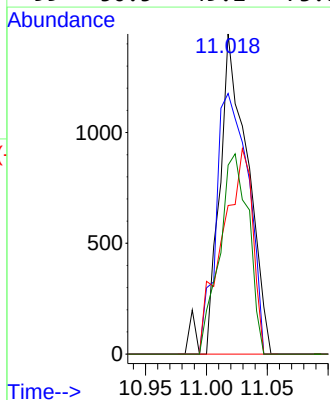
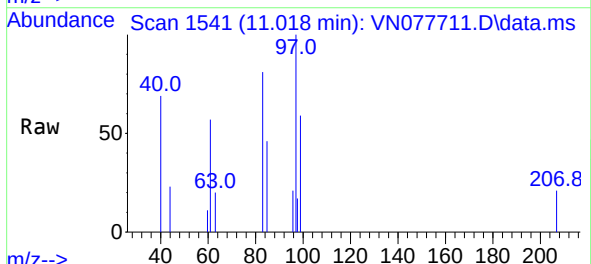
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MSVOA\_N  
ClientSampleId :  
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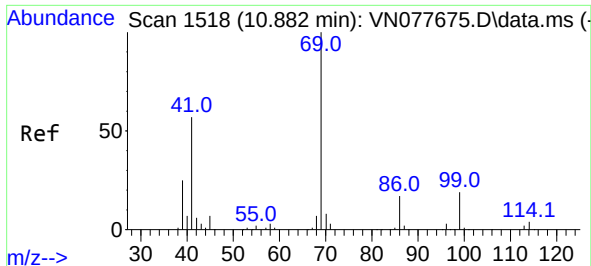
Tgt Ion: 75 Resp: 4019  
Ion Ratio Lower Upper  
75 100  
77 39.6 26.1 39.1#  
39 29.6 31.6 47.4#



#55  
1,1,2-Trichloroethane  
Concen: 0.490 ug/l  
RT: 11.018 min Scan# 1541  
Delta R.T. -0.005 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 97 Resp: 2347  
Ion Ratio Lower Upper  
97 100  
83 69.6 65.1 97.7  
85 39.7 43.4 65.2#  
99 50.5 49.2 73.8

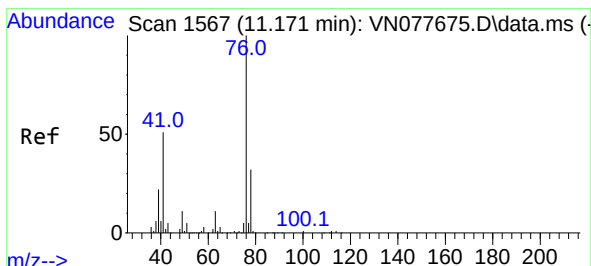
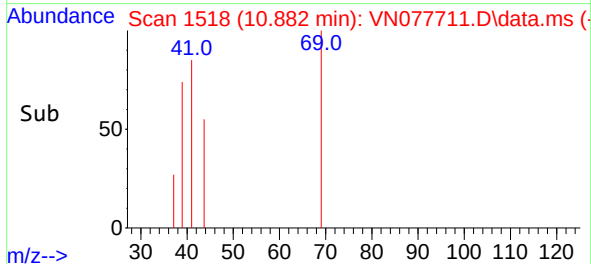
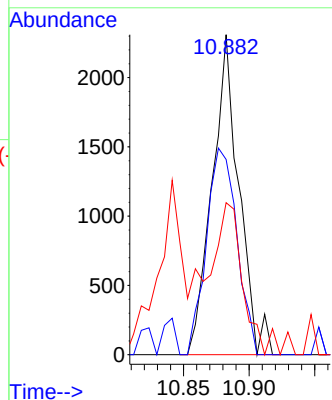
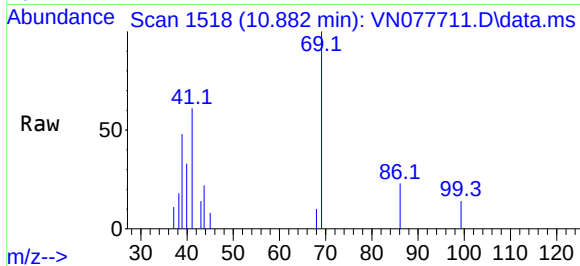




#56  
Ethyl methacrylate  
Concen: 0.454 ug/l  
RT: 10.882 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

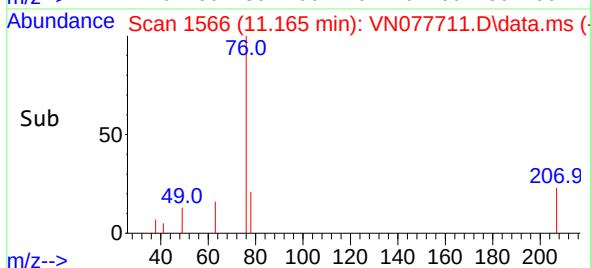
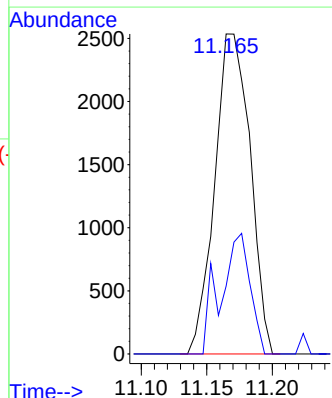
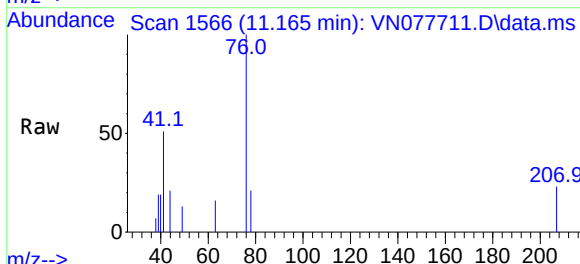
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

Tgt Ion: 69 Resp: 3287  
Ion Ratio Lower Upper  
69 100  
41 73.4 39.6 59.4#  
39 48.3 28.6 43.0#

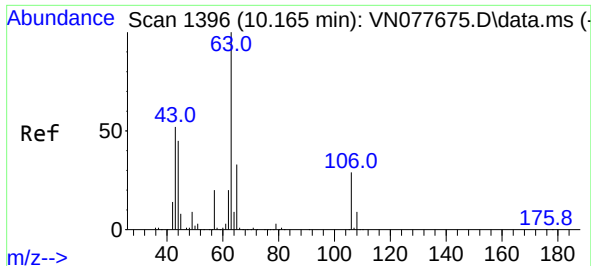


#57  
1,3-Dichloropropane  
Concen: 0.581 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. -0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 76 Resp: 4768  
Ion Ratio Lower Upper  
76 100  
78 31.4 26.1 39.1



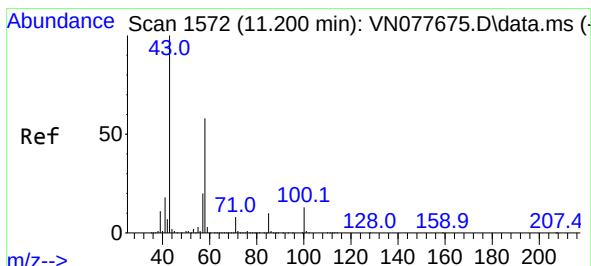
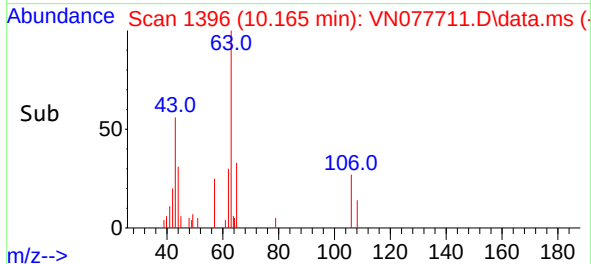
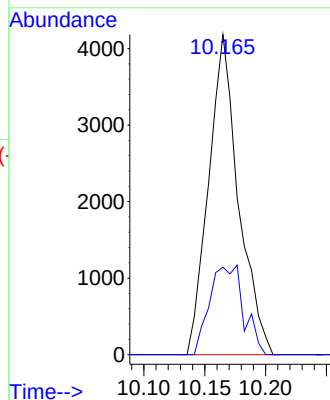
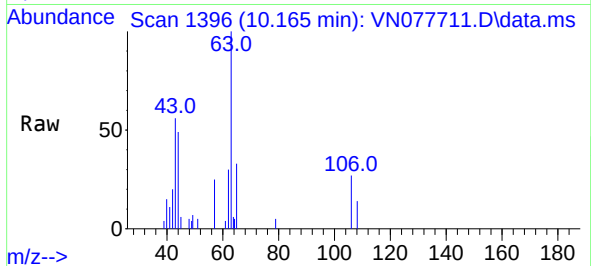




#58  
2-Chloroethyl Vinyl ether  
Concen: 2.003 ug/l  
RT: 10.165 min Scan# 1396  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

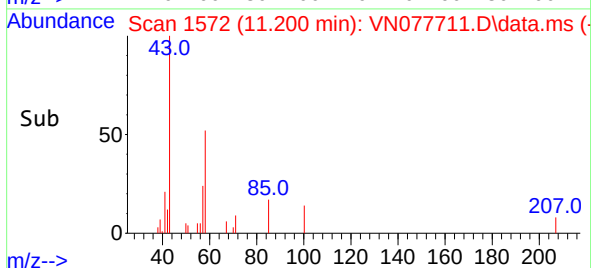
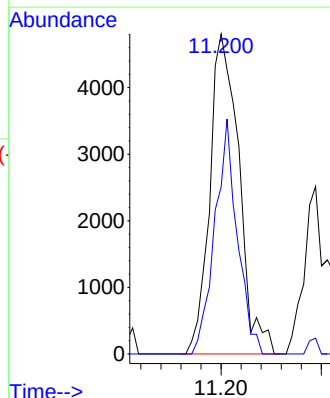
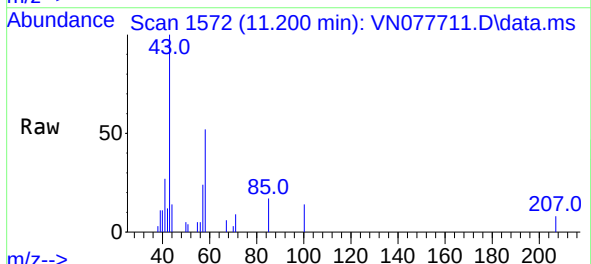
Instrument : MSVOA\_N  
ClientSampleId : MDL-WATER-03-QT2-2023

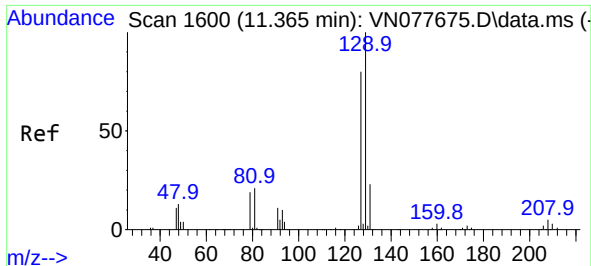
Tgt Ion: 63 Resp: 7136  
Ion Ratio Lower Upper  
63 100  
106 31.7 26.2 39.4



#59  
2-Hexanone  
Concen: 2.308 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 43 Resp: 9703  
Ion Ratio Lower Upper  
43 100  
58 56.5 31.7 95.1

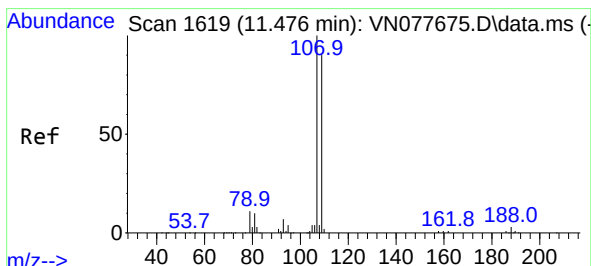
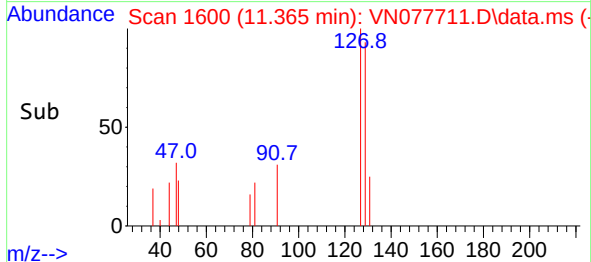
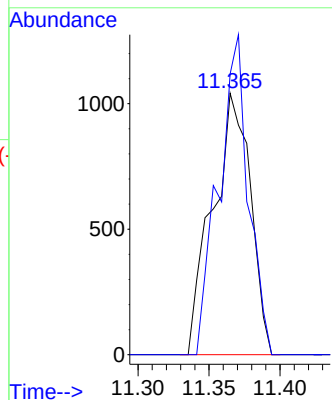
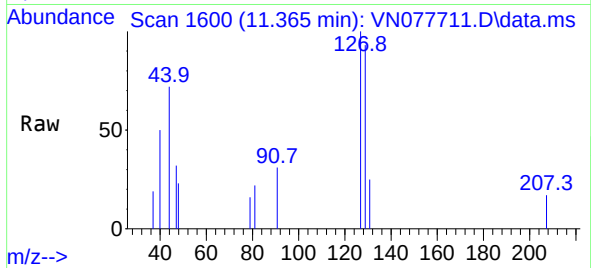




#60  
Dibromochloromethane  
Concen: 0.390 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

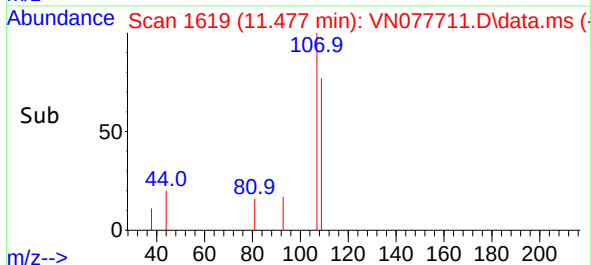
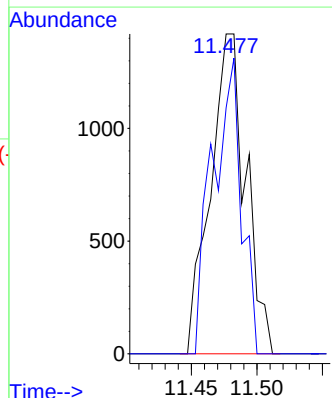
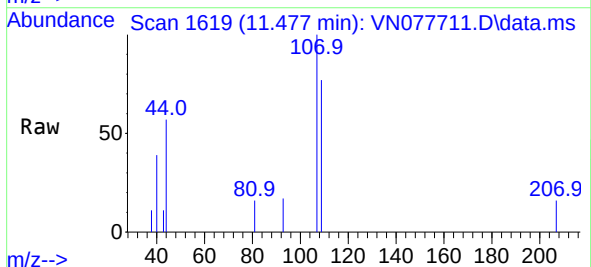
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

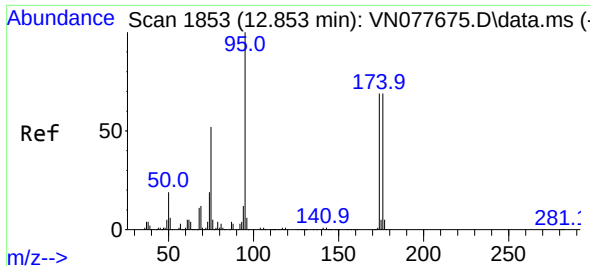
Tgt Ion:129 Resp: 1931  
Ion Ratio Lower Upper  
129 100  
127 96.2 38.6 116.0



#61  
1,2-Dibromoethane  
Concen: 0.557 ug/l  
RT: 11.477 min Scan# 1619  
Delta R.T. 0.001 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion:107 Resp: 2660  
Ion Ratio Lower Upper  
107 100  
109 76.1 76.6 114.8#

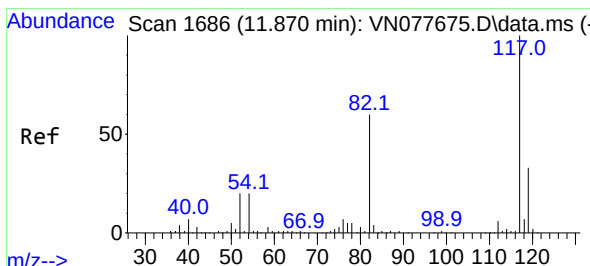
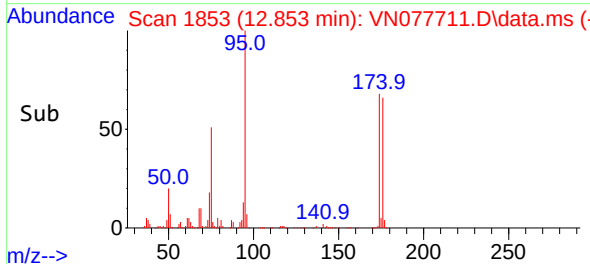
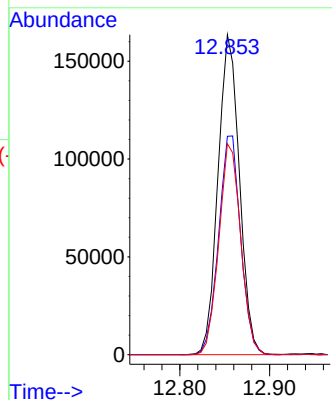
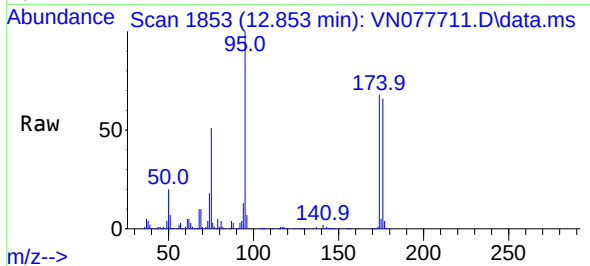




#62  
4-Bromofluorobenzene  
Concen: 44.468 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

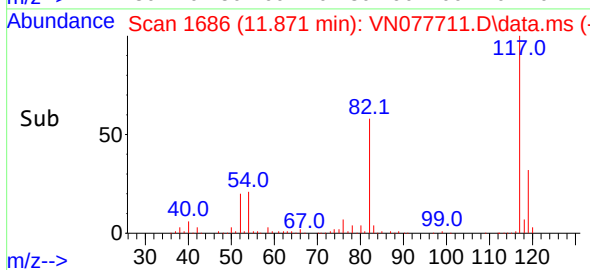
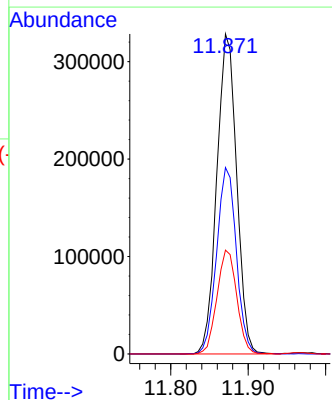
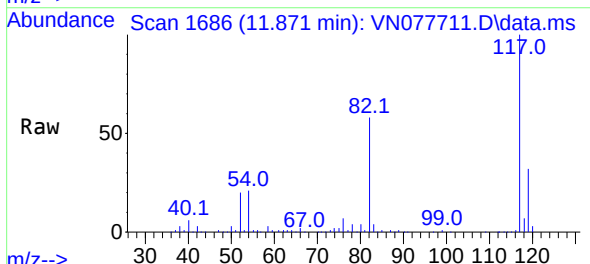
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

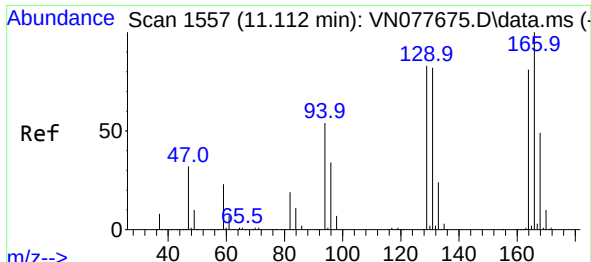
Tgt Ion: 95 Resp: 271412  
Ion Ratio Lower Upper  
95 100  
174 70.3 0.0 143.8  
176 67.0 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.001 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 117 Resp: 585050  
Ion Ratio Lower Upper  
117 100  
82 58.3 44.0 66.0  
119 32.4 25.6 38.4



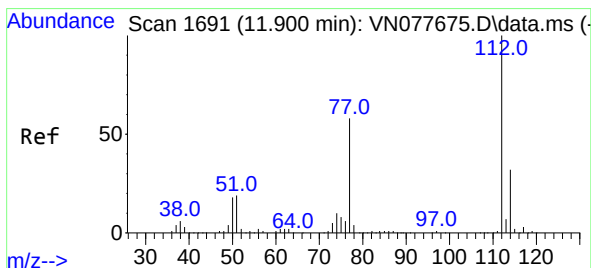
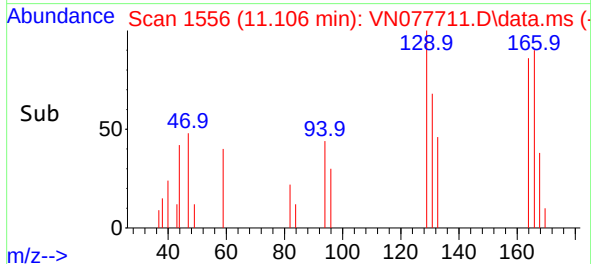
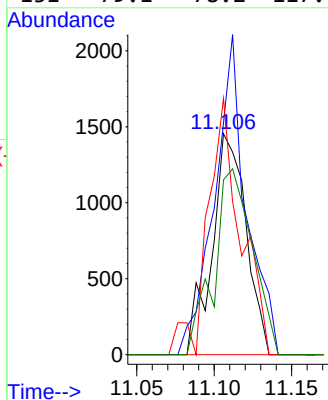
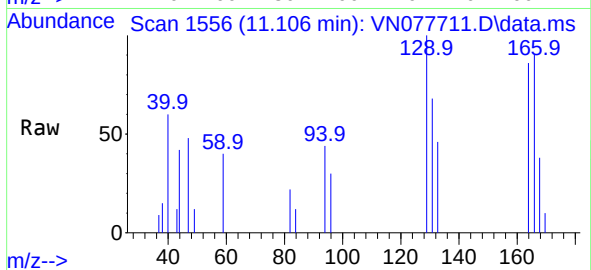


#64  
Tetrachloroethene  
Concen: 0.543 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. -0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

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

Tgt Ion:164 Resp: 2221

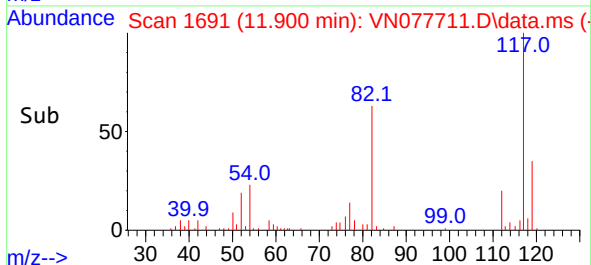
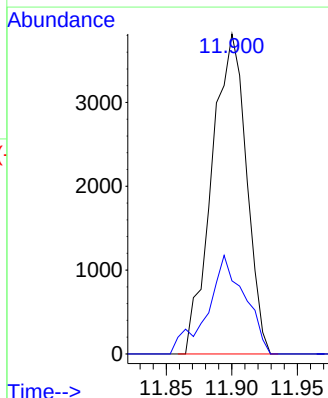
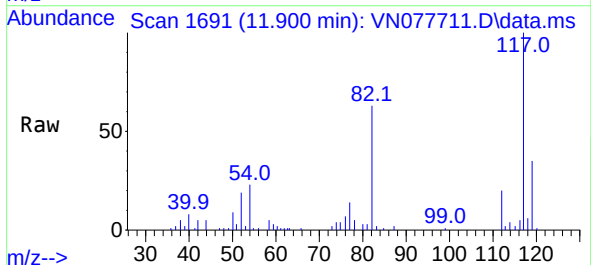
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 104.7 | 101.4 | 152.0 |
| 129 | 116.0 | 82.4  | 123.6 |
| 131 | 79.1  | 78.2  | 117.4 |

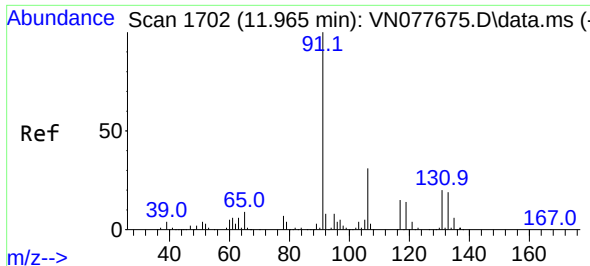


#65  
Chlorobenzene  
Concen: 0.552 ug/l  
RT: 11.900 min Scan# 1691  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion:112 Resp: 6998

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 22.8  | 25.0  | 37.4  |

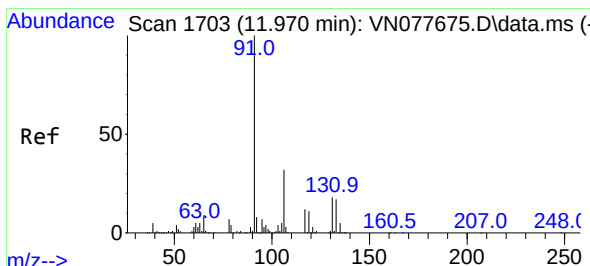
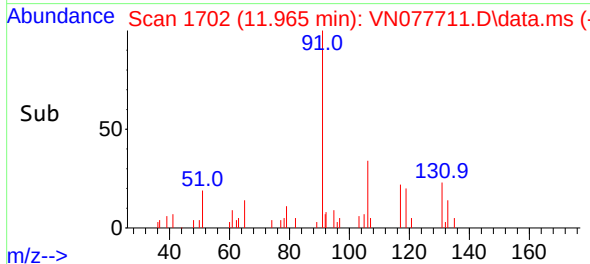
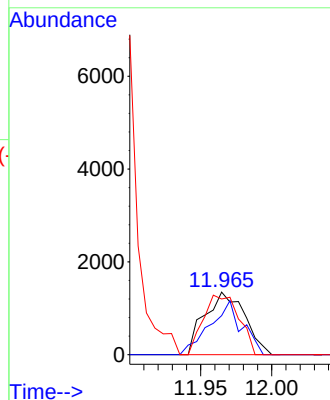
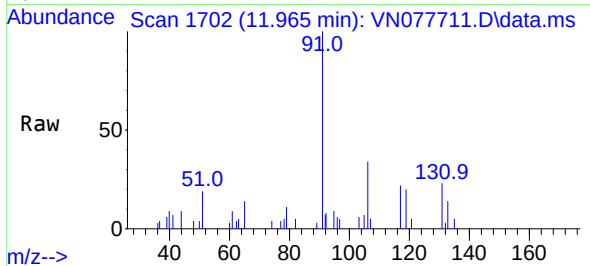




#66  
1,1,1,2-Tetrachloroethane  
Concen: 0.605 ug/l  
RT: 11.965 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

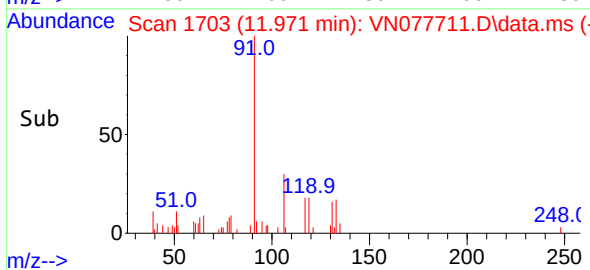
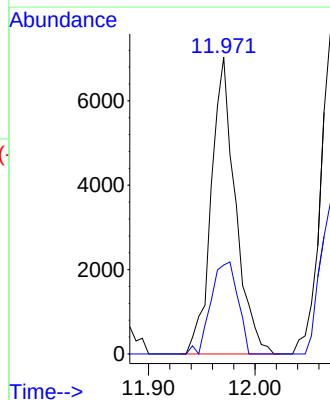
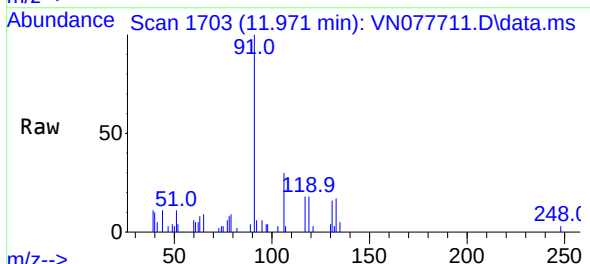
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

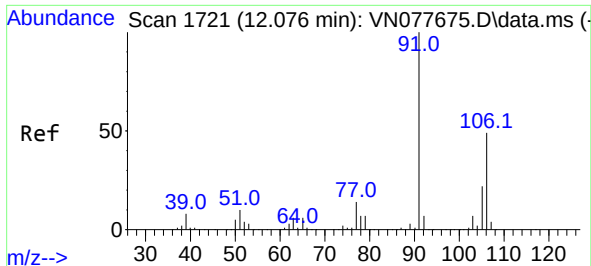
Tgt Ion:131 Resp: 2653  
Ion Ratio Lower Upper  
131 100  
133 69.4 46.4 139.1  
119 0.0 34.1 102.2#



#67  
Ethyl Benzene  
Concen: 0.488 ug/l  
RT: 11.971 min Scan# 1703  
Delta R.T. 0.001 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 91 Resp: 11098  
Ion Ratio Lower Upper  
91 100  
106 30.0 25.6 38.4

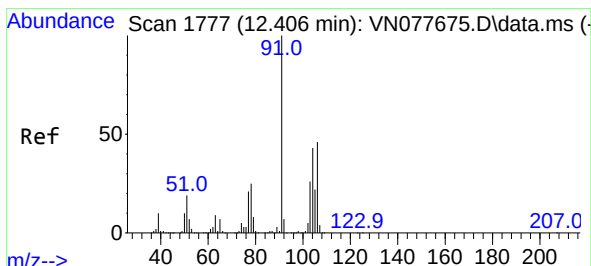
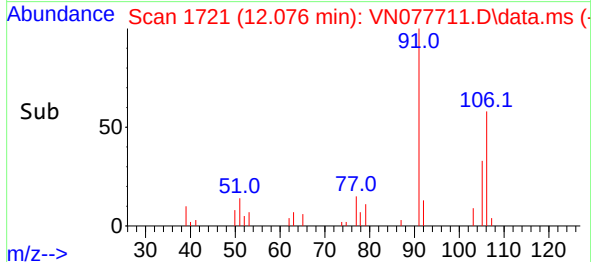
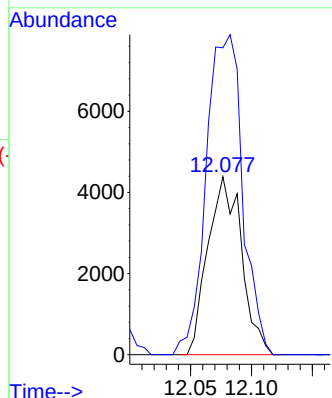
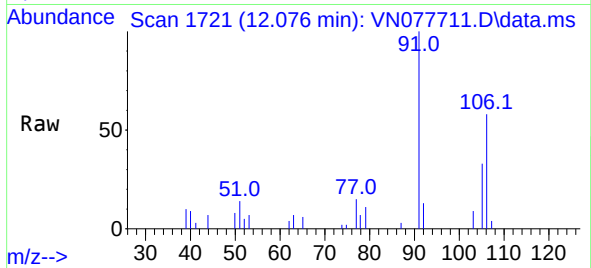




#68  
m/p-Xylenes  
Concen: 0.982 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

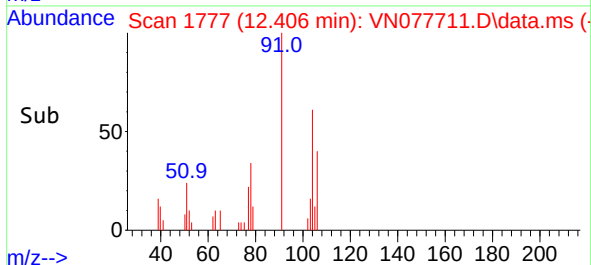
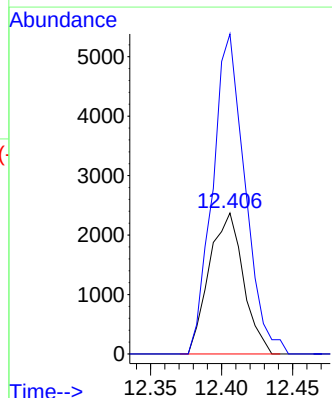
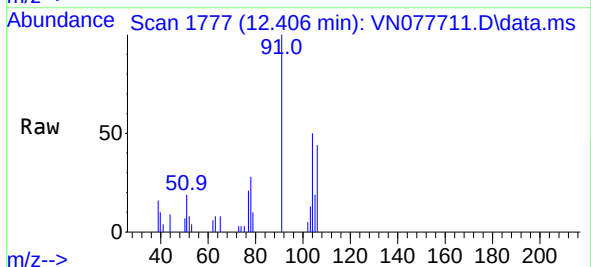
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

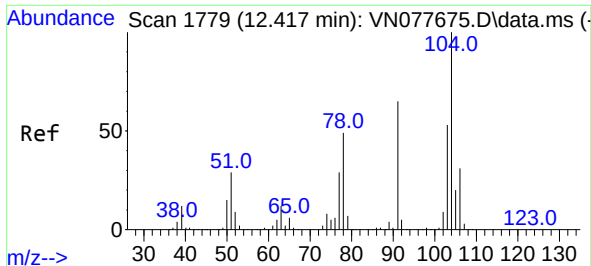
Tgt Ion:106 Resp: 8453  
Ion Ratio Lower Upper  
106 100  
91 194.1 159.6 239.4



#69  
o-Xylene  
Concen: 0.469 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion:106 Resp: 3975  
Ion Ratio Lower Upper  
106 100  
91 215.2 105.2 315.5

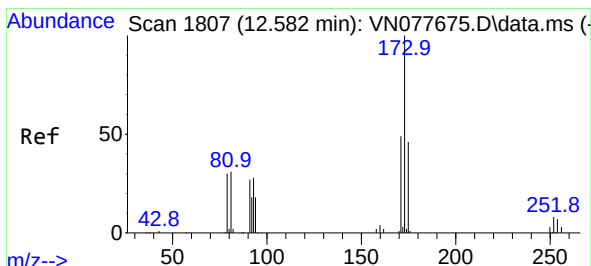
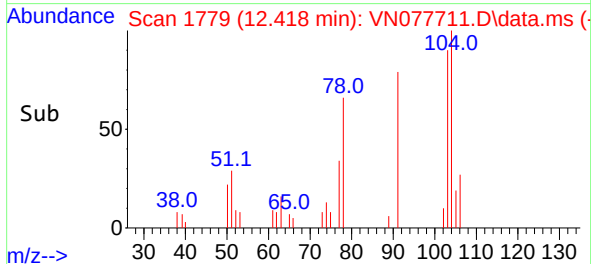
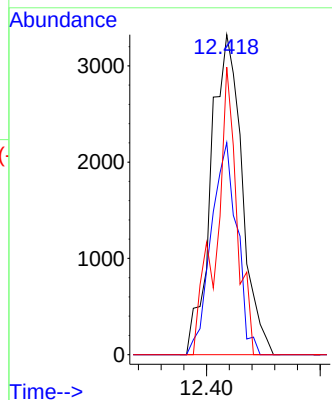
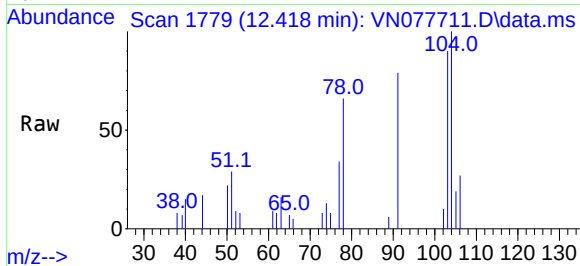




#70  
Styrene  
Concen: 0.467 ug/l  
RT: 12.418 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

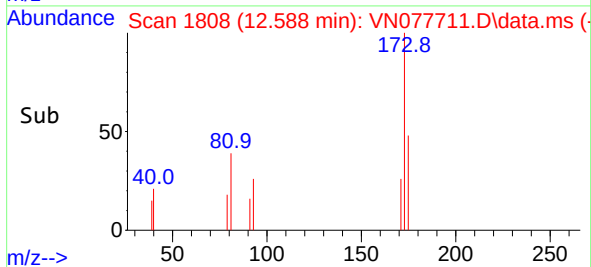
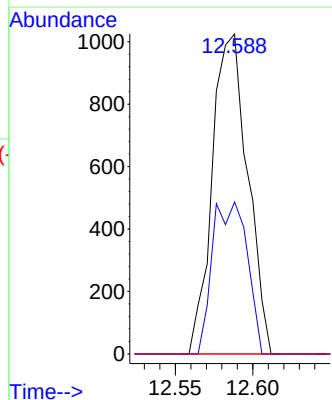
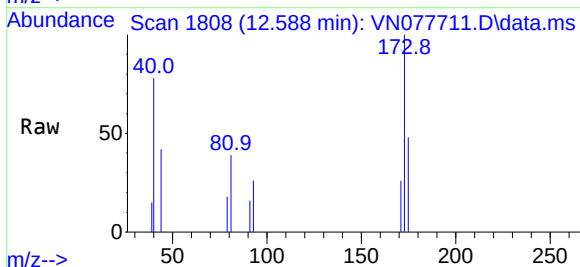
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

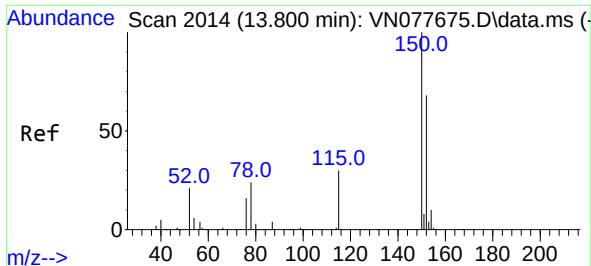
Tgt Ion:104 Resp: 6282  
Ion Ratio Lower Upper  
104 100  
78 55.6 39.5 59.3  
103 60.5 43.2 64.8



#71  
Bromoform  
Concen: 0.557 ug/l  
RT: 12.588 min Scan# 1808  
Delta R.T. 0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

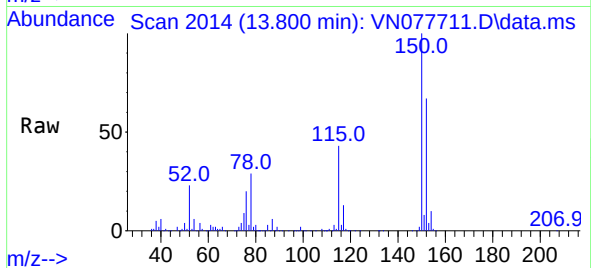
Tgt Ion:173 Resp: 1627  
Ion Ratio Lower Upper  
173 100  
175 46.5 24.3 73.0  
254 0.0 0.0 0.0



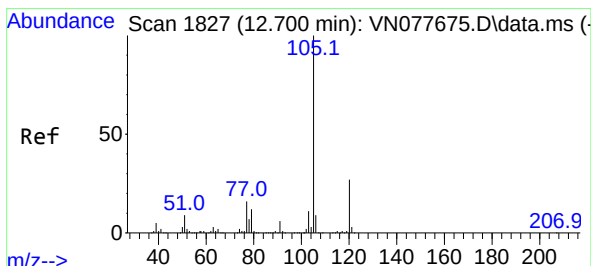
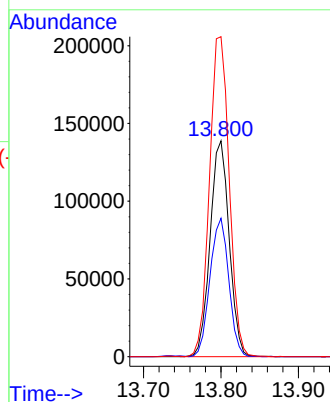
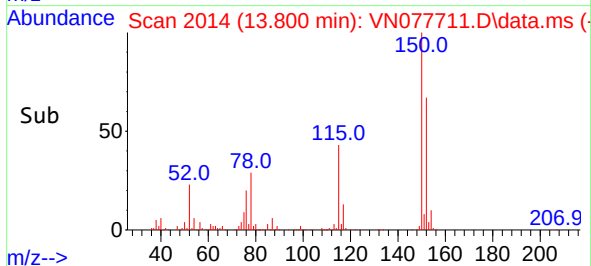


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 2014  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

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

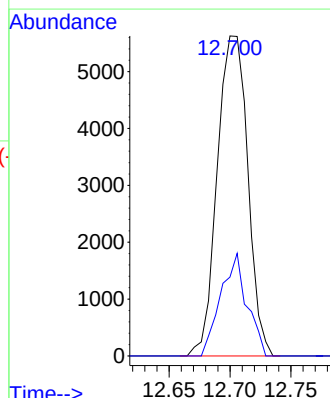
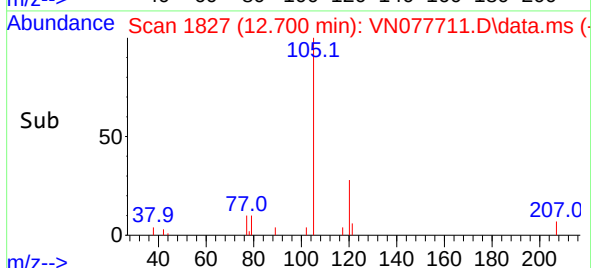
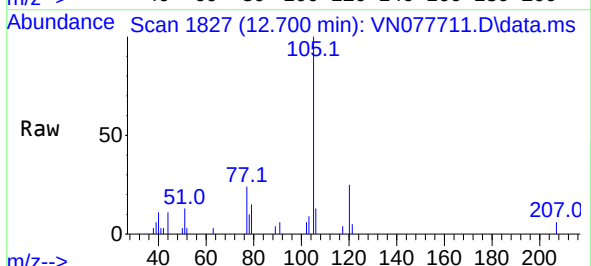


Tgt Ion:152 Resp: 237236  
Ion Ratio Lower Upper  
152 100  
115 63.2 32.3 96.8  
150 153.2 0.0 355.8

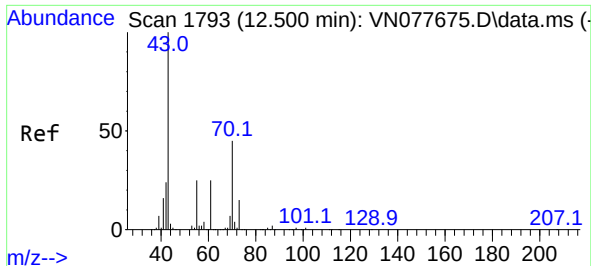


#73  
Isopropylbenzene  
Concen: 0.480 ug/l  
RT: 12.700 min Scan# 1827  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion:105 Resp: 9826  
Ion Ratio Lower Upper  
105 100  
120 27.5 13.1 39.1

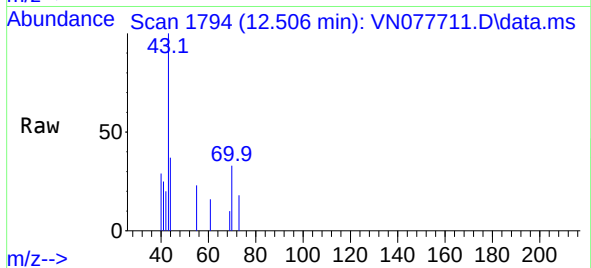






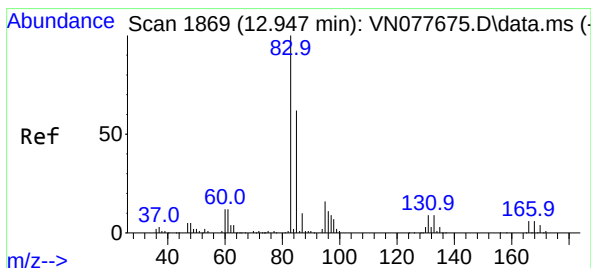
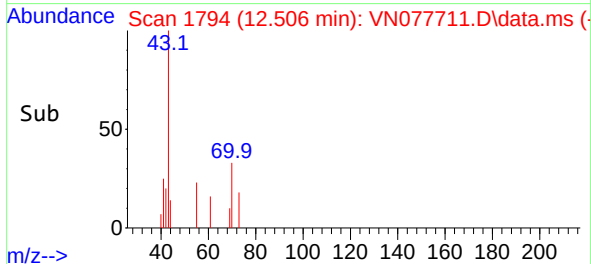
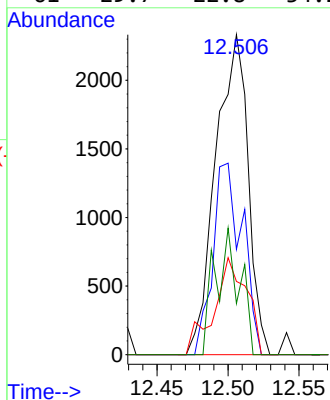
#74  
N-amy1 acetate  
Concen: 0.488 ug/l  
RT: 12.506 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

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



Tgt Ion: 43 Resp: 3692

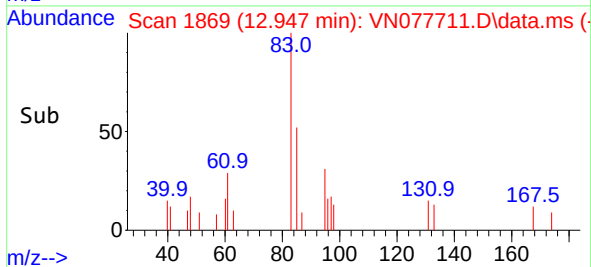
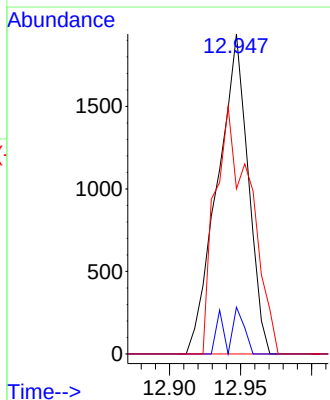
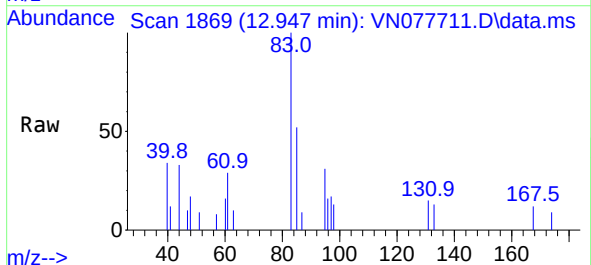
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 70  | 54.7  | 43.4  | 65.2  |
| 55  | 30.7  | 21.4  | 32.0  |
| 61  | 29.7  | 22.8  | 34.2  |

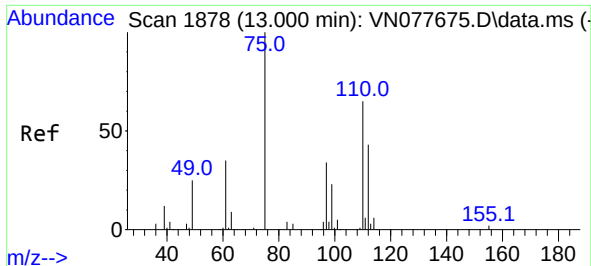


#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.462 ug/l  
RT: 12.947 min Scan# 1869  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 83 Resp: 2905

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 5.4   | 5.0   | 15.0  |
| 85  | 89.5  | 31.9  | 95.7  |

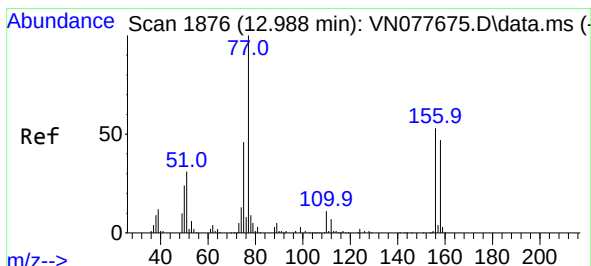
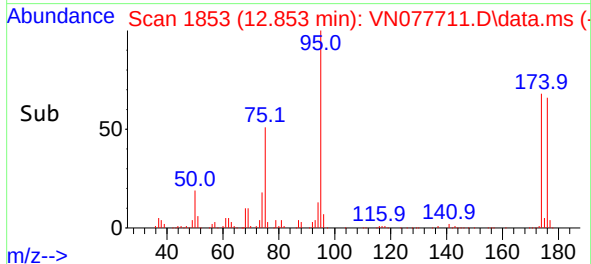
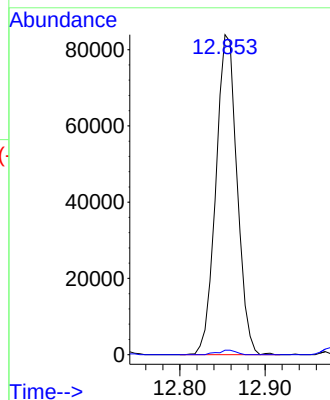
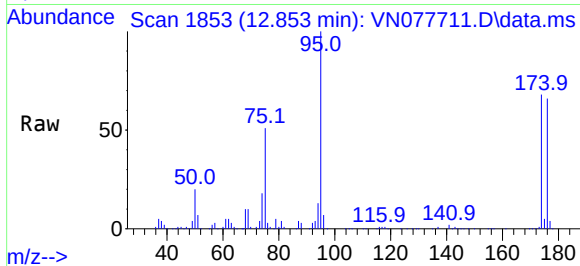




#76  
1,2,3-Trichloropropane  
Concen: 24.355 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.147 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

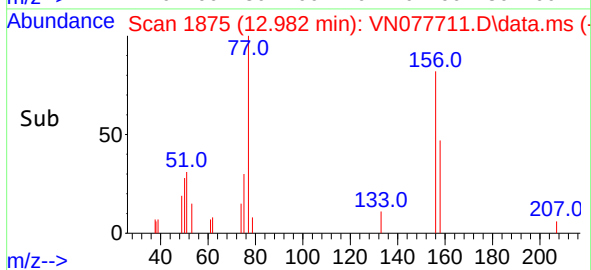
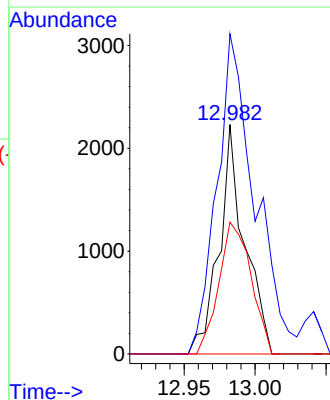
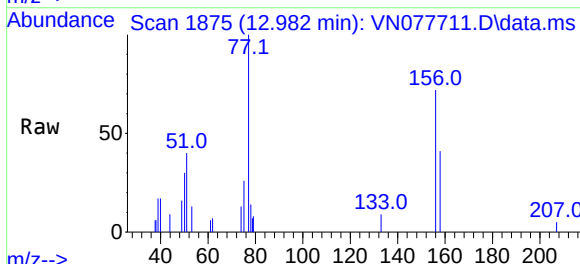
Instrument : MSVOA\_N  
ClientSampleId : MDL-WATER-03-QT2-2023

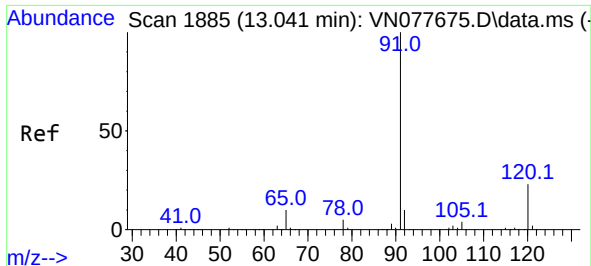
Tgt Ion: 75 Resp: 144696  
Ion Ratio Lower Upper  
75 100  
77 1.2 84.5 253.5#



#77  
Bromobenzene  
Concen: 0.597 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. -0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion:156 Resp: 2784  
Ion Ratio Lower Upper  
156 100  
77 208.0 107.7 323.3  
158 72.4 48.4 145.3

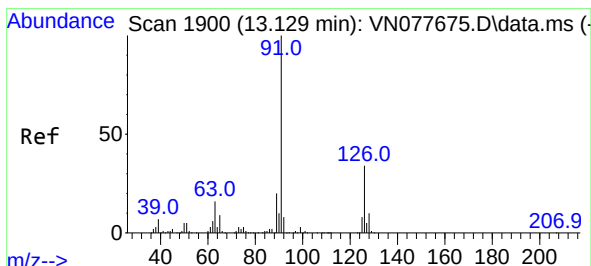
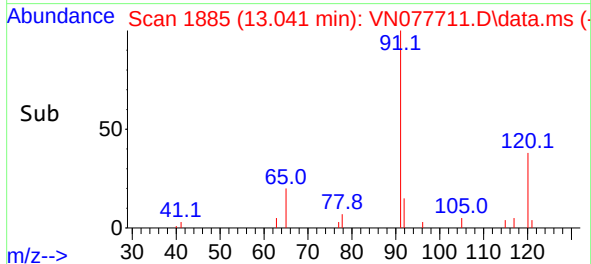
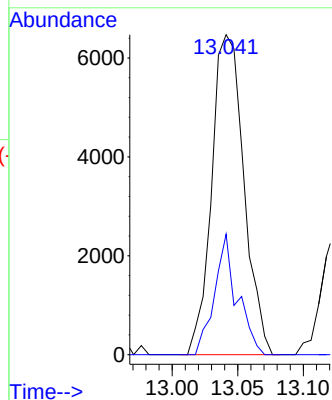
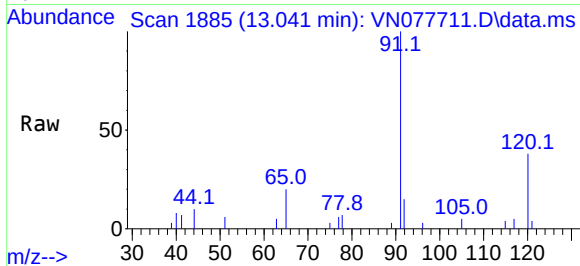




#78  
n-propylbenzene  
Concen: 0.458 ug/l  
RT: 13.041 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

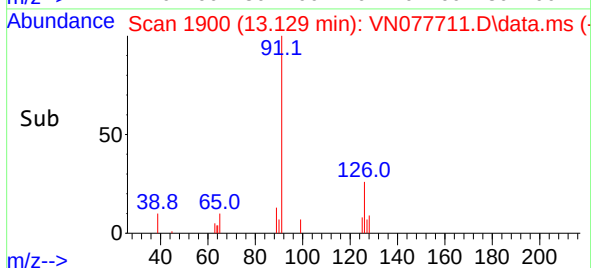
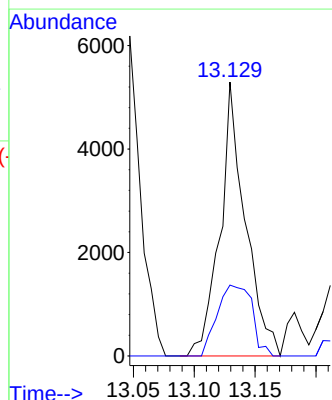
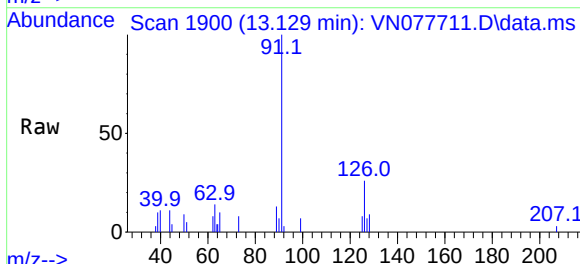
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

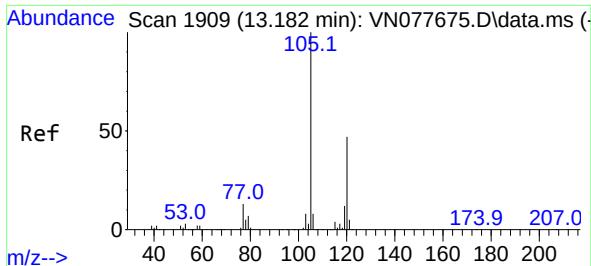
Tgt Ion: 91 Resp: 11050  
Ion Ratio Lower Upper  
91 100  
120 26.5 11.5 34.4



#79  
2-Chlorotoluene  
Concen: 0.532 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 91 Resp: 7651  
Ion Ratio Lower Upper  
91 100  
126 35.5 16.3 48.8

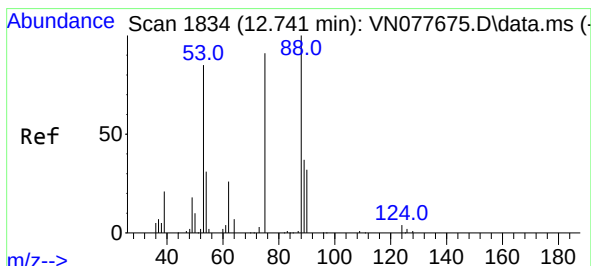
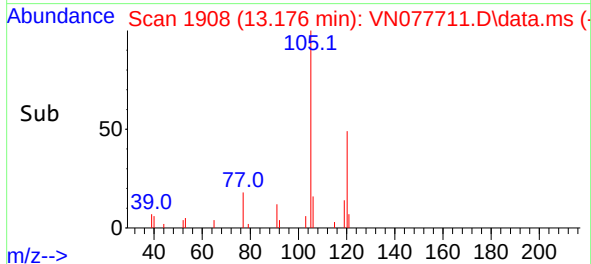
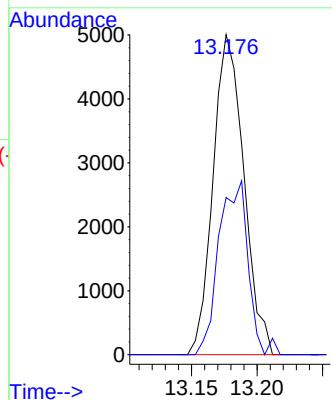
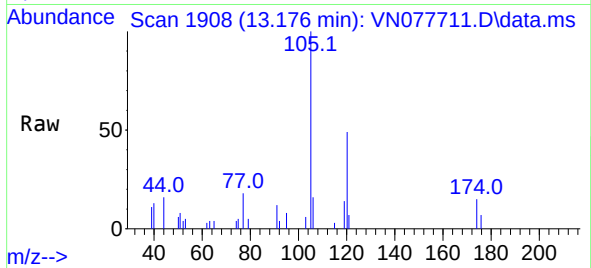




#80  
1,3,5-Trimethylbenzene  
Concen: 0.475 ug/l  
RT: 13.176 min Scan# 1909  
Delta R.T. -0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

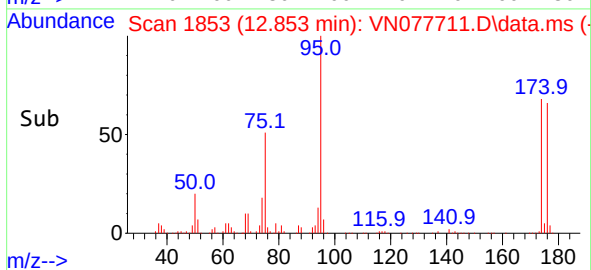
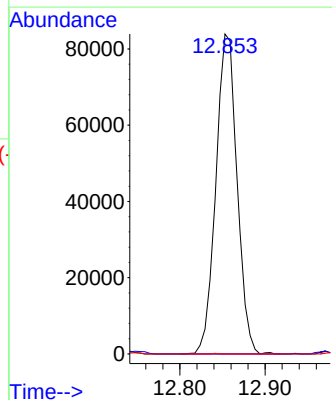
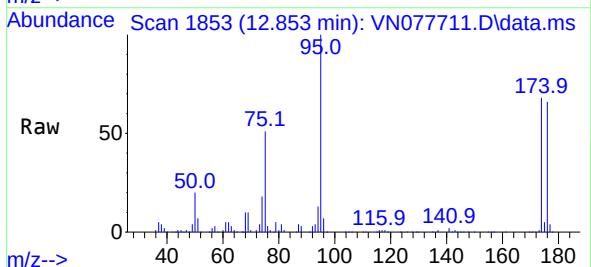
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

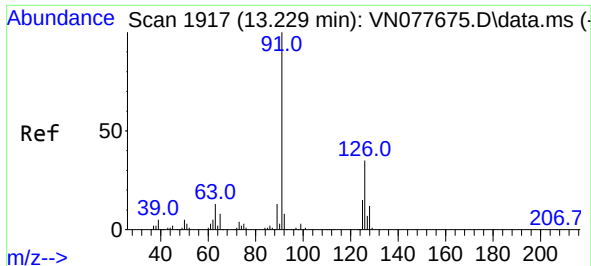
Tgt Ion:105 Resp: 8160  
Ion Ratio Lower Upper  
105 100  
120 51.7 24.1 72.3



#81  
trans-1,4-Dichloro-2-butene  
Concen: 77.850 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.112 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 75 Resp: 144696  
Ion Ratio Lower Upper  
75 100  
53 0.0 67.4 101.2#  
89 0.0 38.8 58.2#

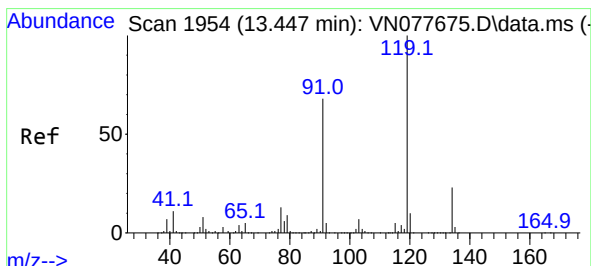
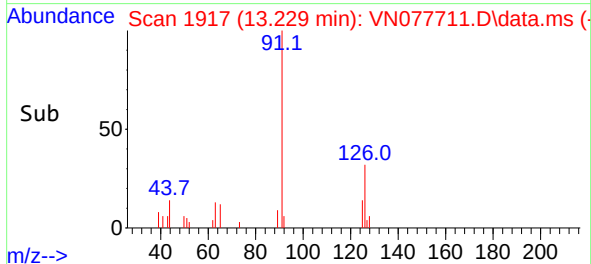
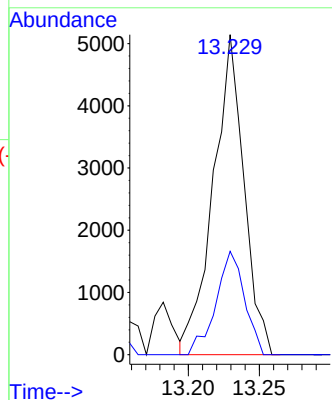
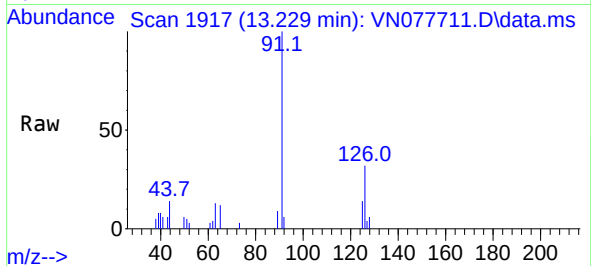




#82  
4-Chlorotoluene  
Concen: 0.540 ug/l  
RT: 13.229 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

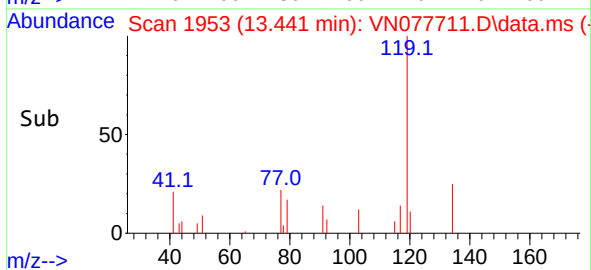
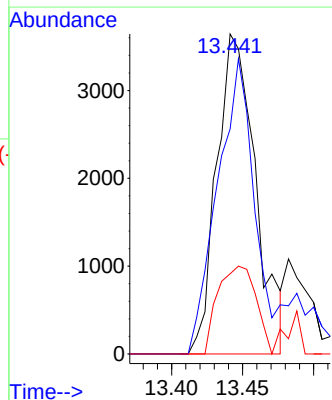
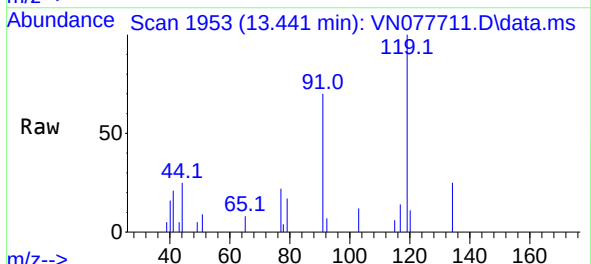
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

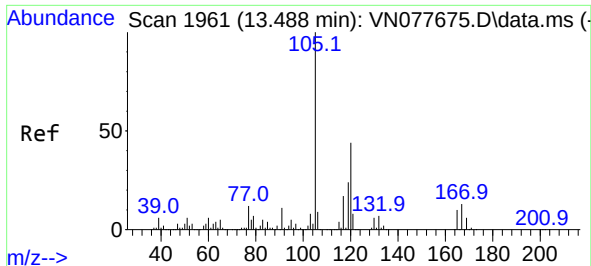
Tgt Ion: 91 Resp: 7732  
Ion Ratio Lower Upper  
91 100  
126 30.1 16.7 50.0



#83  
tert-Butylbenzene  
Concen: 0.463 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. -0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 119 Resp: 6943  
Ion Ratio Lower Upper  
119 100  
91 91.5 33.9 101.7  
134 26.9 13.2 39.6

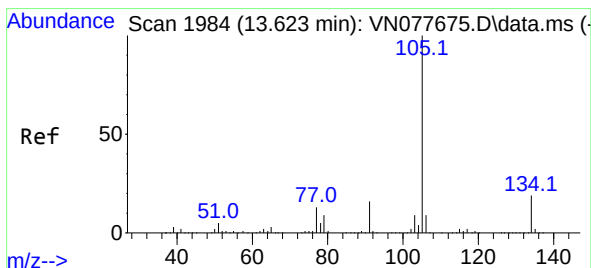
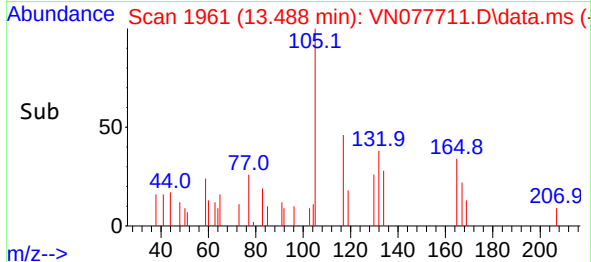
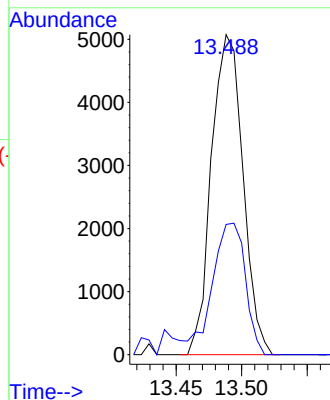
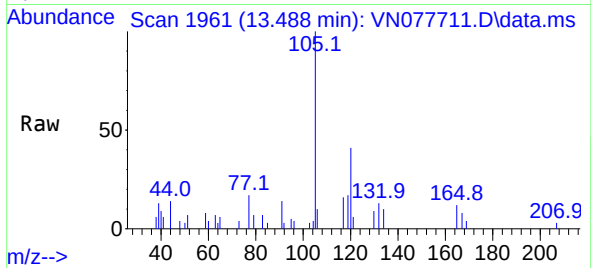




#84  
1,2,4-Trimethylbenzene  
Concen: 0.502 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

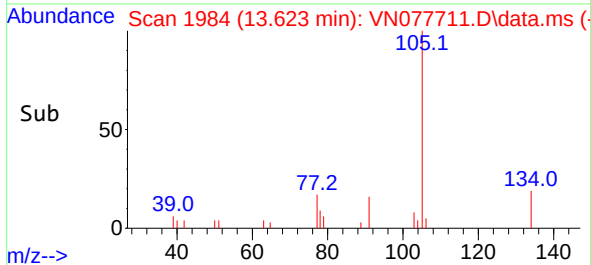
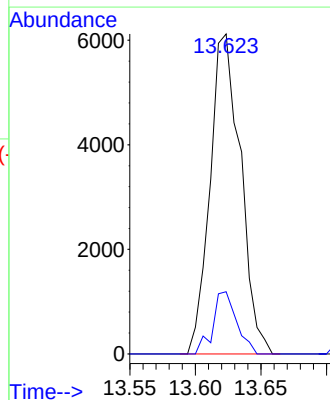
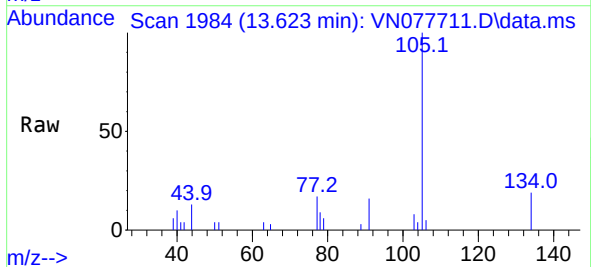
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

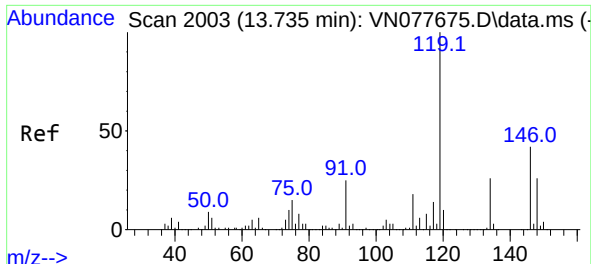
Tgt Ion:105 Resp: 8483  
Ion Ratio Lower Upper  
105 100  
120 42.5 22.0 66.0



#85  
sec-Butylbenzene  
Concen: 0.465 ug/l  
RT: 13.623 min Scan# 1984  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion:105 Resp: 9917  
Ion Ratio Lower Upper  
105 100  
134 15.1 9.8 29.3

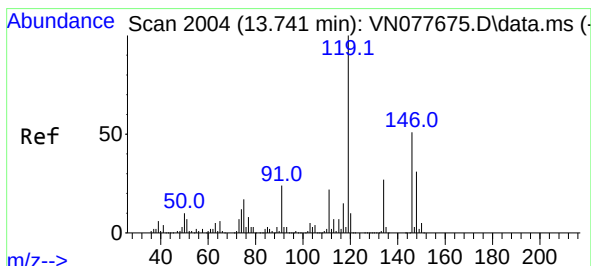
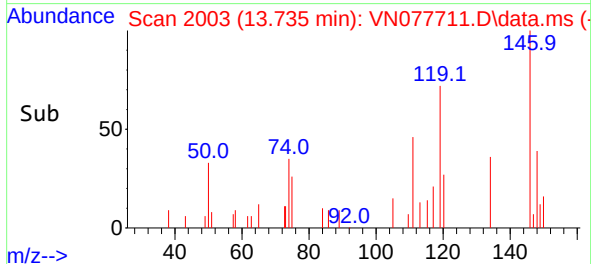
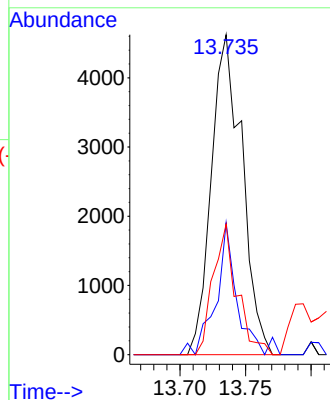
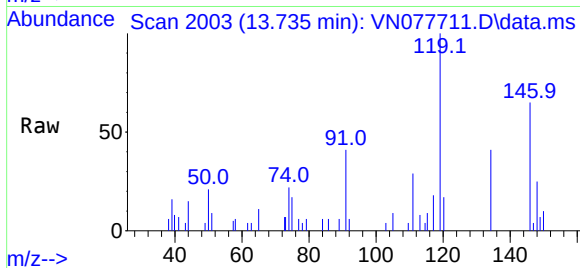




#86  
p-Isopropyltoluene  
Concen: 0.443 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

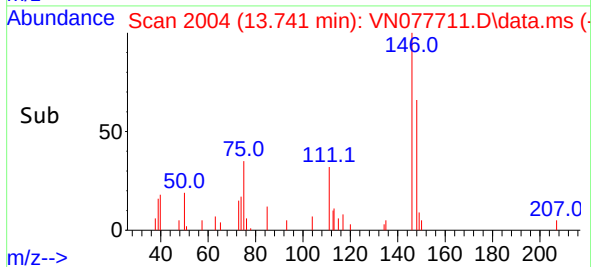
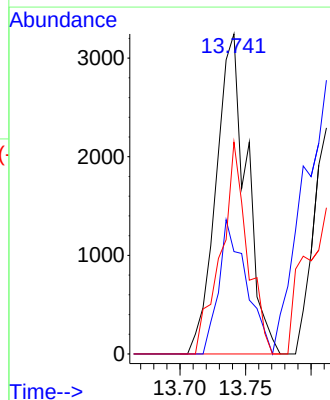
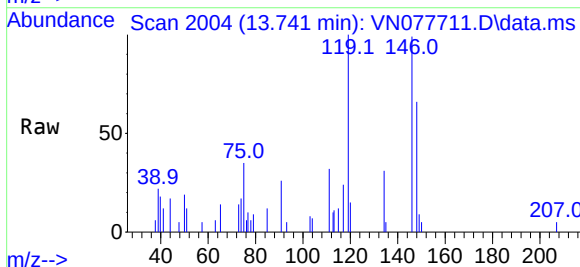
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

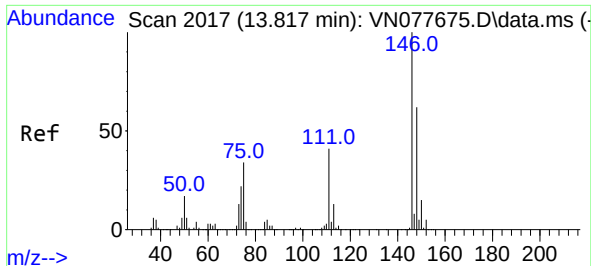
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 7525  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 27.3  | 12.6  | 37.8  |
| 91       | 31.7  | 12.4  | 37.2  |



#87  
1,3-Dichlorobenzene  
Concen: 0.612 ug/l  
RT: 13.741 min Scan# 2004  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

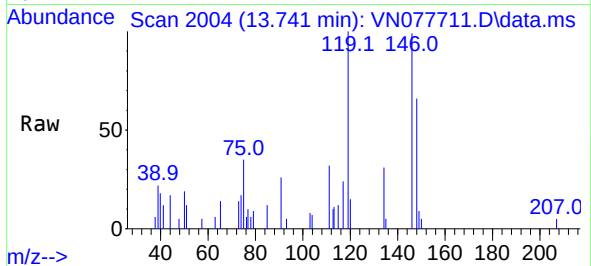
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 5279  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 37.5  | 22.1  | 66.3  |
| 148      | 56.9  | 32.0  | 96.0  |



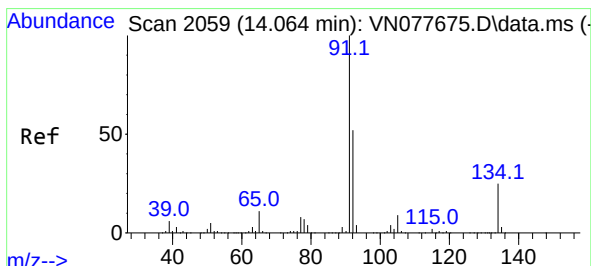
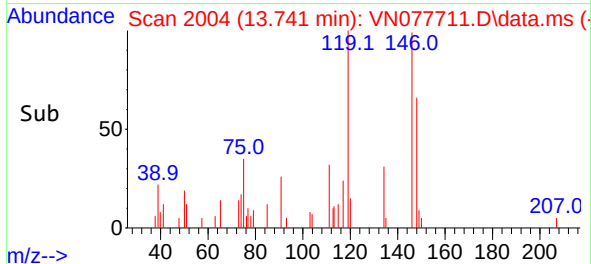
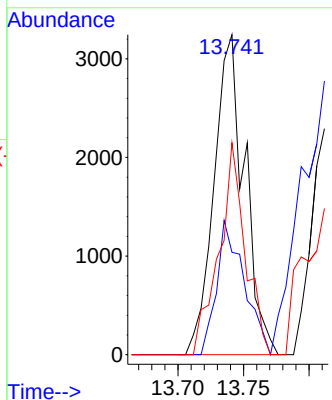


#88  
1,4-Dichlorobenzene  
Concen: 0.616 ug/l  
RT: 13.741 min Scan# 2017  
Delta R.T. -0.076 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

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

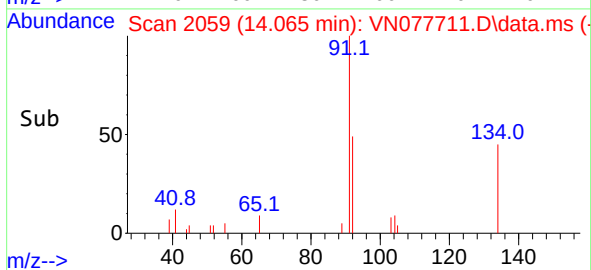
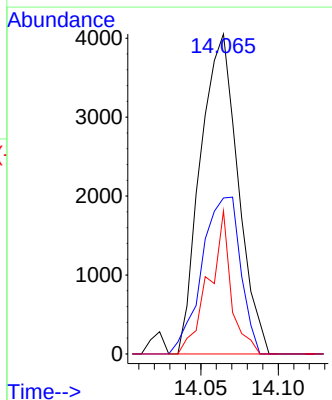
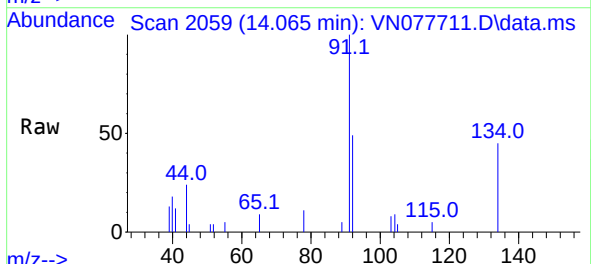


Tgt Ion:146 Resp: 5279  
Ion Ratio Lower Upper  
146 100  
111 37.5 20.6 61.8  
148 56.9 31.6 94.8

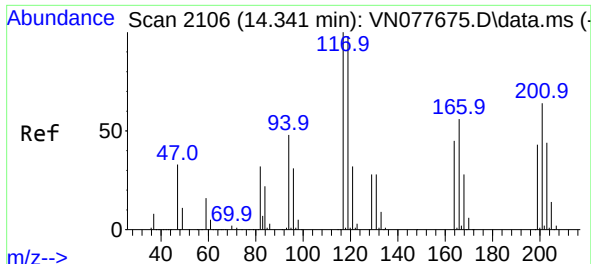


#89  
n-Butylbenzene  
Concen: 0.436 ug/l  
RT: 14.065 min Scan# 2059  
Delta R.T. 0.001 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion: 91 Resp: 6811  
Ion Ratio Lower Upper  
91 100  
92 50.5 26.4 79.0  
134 26.6 12.6 37.6



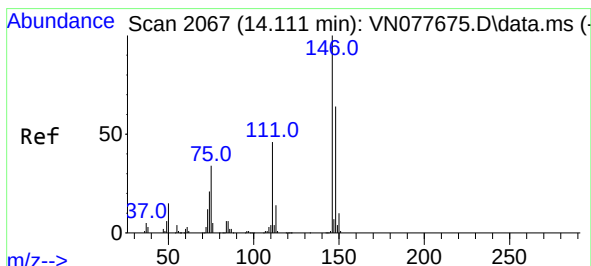
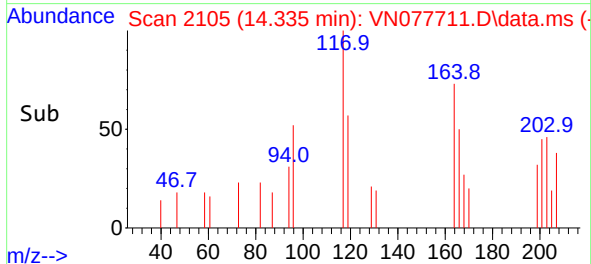
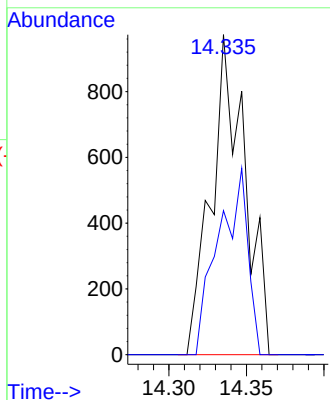
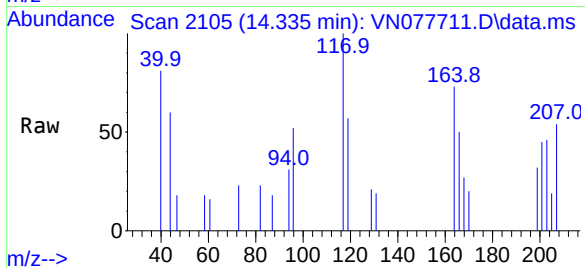




#90  
Hexachloroethane  
Concen: 0.524 ug/l  
RT: 14.335 min Scan# 2106  
Delta R.T. -0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

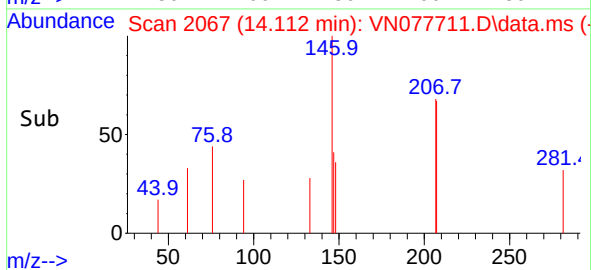
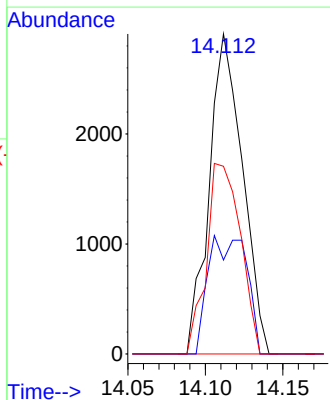
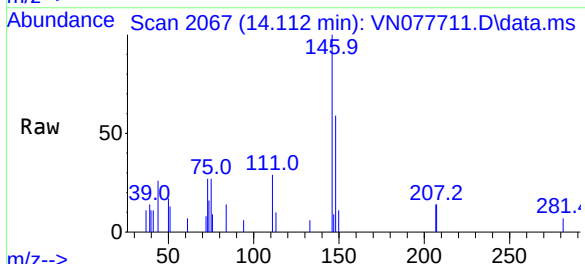
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

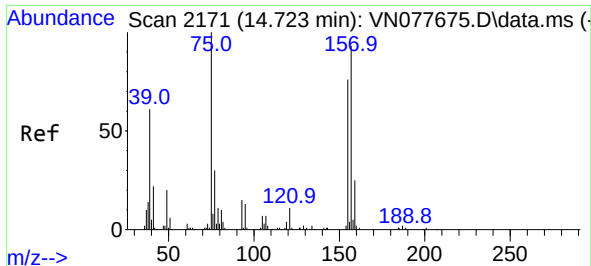
Tgt Ion:117 Resp: 1463  
Ion Ratio Lower Upper  
117 100  
201 51.1 29.3 88.0



#91  
1,2-Dichlorobenzene  
Concen: 0.540 ug/l  
RT: 14.112 min Scan# 2067  
Delta R.T. 0.001 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion:146 Resp: 4355  
Ion Ratio Lower Upper  
146 100  
111 42.4 22.0 66.0  
148 60.3 31.8 95.3

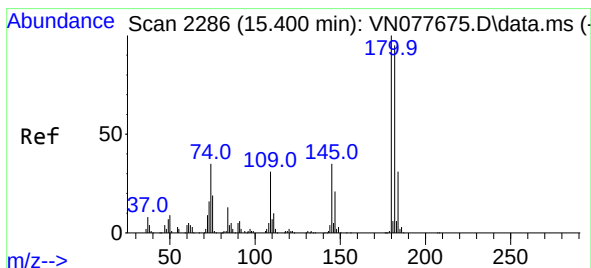
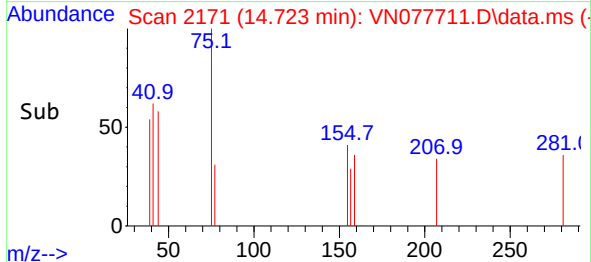
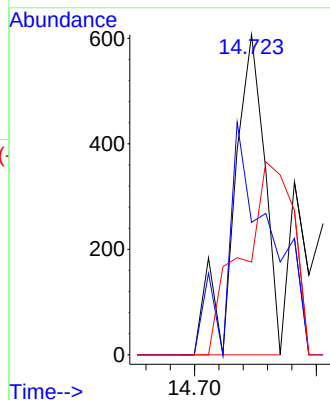
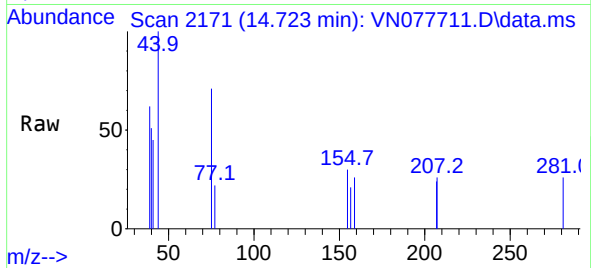




#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.443 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. 0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

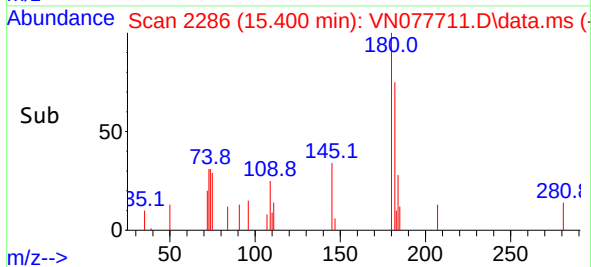
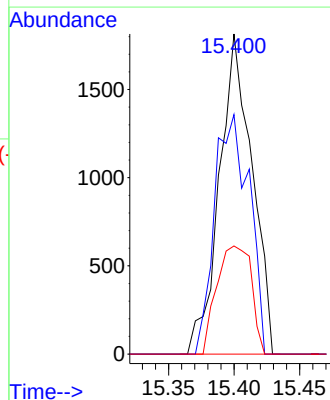
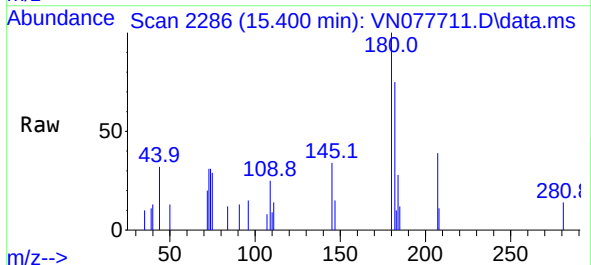
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

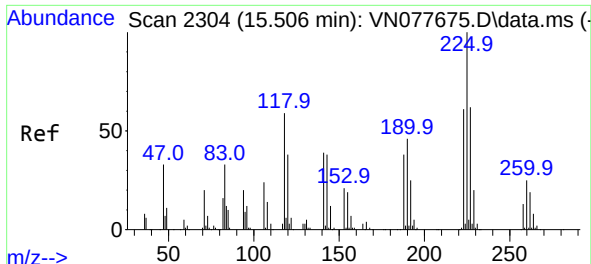
Tgt Ion: 75 Resp: 540  
Ion Ratio Lower Upper  
75 100  
155 98.9 39.1 117.2  
157 98.5 50.3 150.9



#93  
1,2,4-Trichlorobenzene  
Concen: 0.667 ug/l  
RT: 15.400 min Scan# 2286  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

Tgt Ion:180 Resp: 3144  
Ion Ratio Lower Upper  
180 100  
182 79.5 46.1 138.2  
145 35.7 16.6 49.8

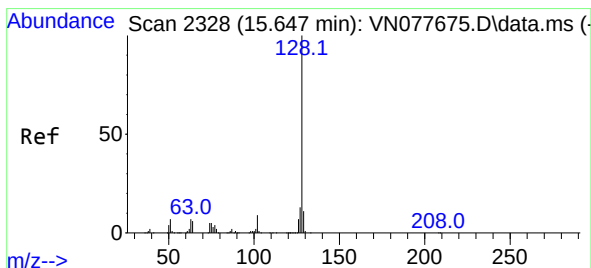
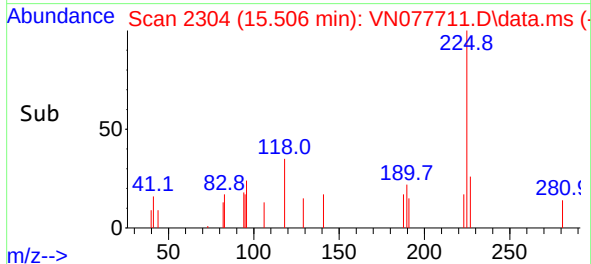
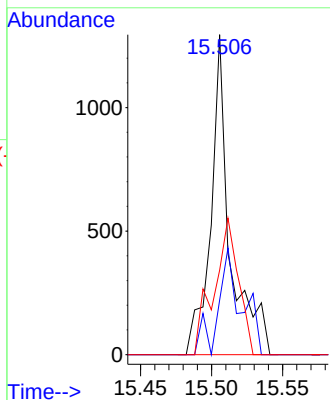
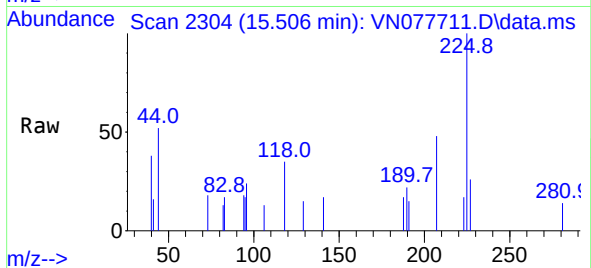




#94  
Hexachlorobutadiene  
Concen: 0.622 ug/l  
RT: 15.506 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

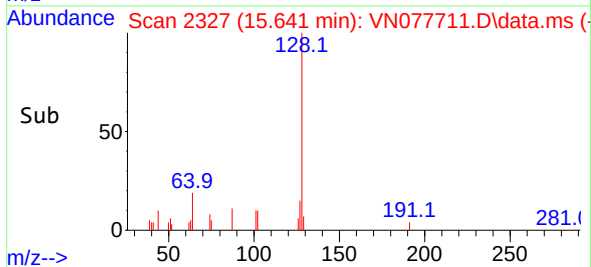
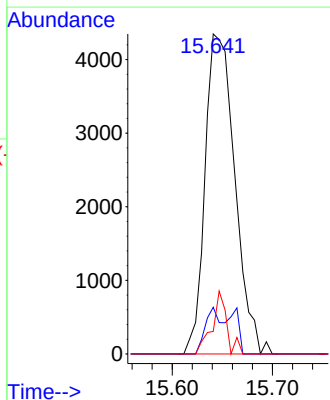
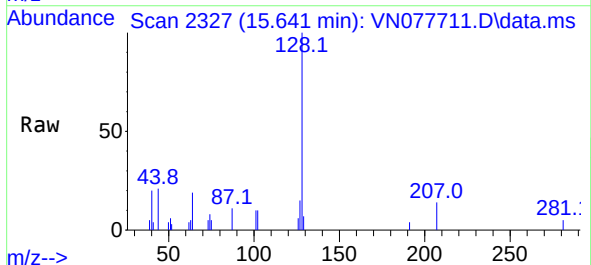
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2023

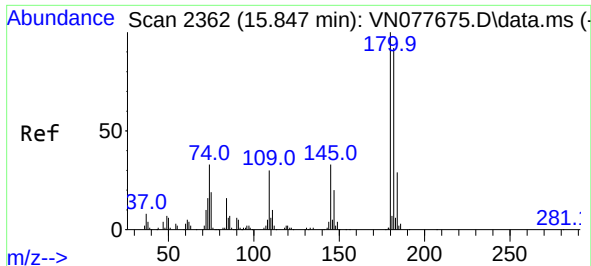
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 1216  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 40.8  | 31.3  | 93.8  |
| 227      | 54.5  | 31.9  | 95.9  |



#95  
Naphthalene  
Concen: 0.554 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. -0.006 min  
Lab File: VN077711.D  
Acq: 17 May 2023 14:09

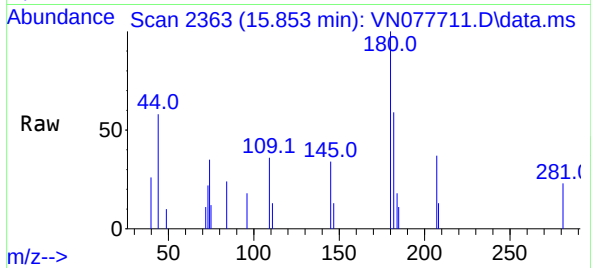
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 8990  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 8.5   | 10.0  | 15.0# |
| 129      | 9.6   | 8.7   | 13.1  |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.616 ug/l  
 RT: 15.853 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN077711.D  
 Acq: 17 May 2023 14:09

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



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 2841  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 85.4  | 46.2  | 138.6 |
| 145      | 41.8  | 17.5  | 52.6  |

