

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN033021\  
 Data File : VN066429.D  
 Acq On : 30 Mar 2021 18:52  
 Operator : JC/MD  
 Sample : M1458-09 0.5 PPB  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT1-2021

Quant Time: Mar 31 04:07:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032521W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 31 04:06:58 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.585  | 168  | 341963   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.513  | 114  | 565308   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.347 | 117  | 492853   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.289 | 152  | 189777   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 7.947  | 65    | 244039   | 53.68    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 107.36% |
| 35) Dibromofluoromethane    | 7.507  | 113   | 190679   | 50.88    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.76% |
| 50) Toluene-d8              | 10.025 | 98    | 682257   | 48.00    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 96.00%  |
| 62) 4-Bromofluorobenzene    | 12.345 | 95    | 197145   | 39.93    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 79.86%# |

|                              |       |     |       |       |        |        |
|------------------------------|-------|-----|-------|-------|--------|--------|
| Target Compounds             |       |     |       |       |        | Qvalue |
| 2) Dichlorodifluoromethane   | 1.818 | 85  | 2153  | 0.50  | ug/l   | 91     |
| 3) Chloromethane             | 2.017 | 50  | 5855  | 1.16  | ug/l   | 97     |
| 4) Vinyl Chloride            | 2.143 | 62  | 3142  | 0.64  | ug/l # | 82     |
| 5) Bromomethane              | 2.510 | 94  | 3060  | 0.93  | ug/l # | 76     |
| 6) Chloroethane              | 2.644 | 64  | 1349  | 0.44  | ug/l # | 81     |
| 7) Trichlorofluoromethane    | 2.955 | 101 | 2286  | 0.34  | ug/l   | 98     |
| 8) Diethyl Ether             | 3.342 | 74  | 1921  | 0.70  | ug/l   | 71     |
| 10) Methyl Iodide            | 3.865 | 142 | 2947  | 0.54  | ug/l # | 91     |
| 12) 1,1-Dichloroethene       | 3.655 | 96  | 2768  | 0.71  | ug/l # | 90     |
| 13) Acrolein                 | 3.529 | 56  | 5836  | 12.97 | ug/l # | 45     |
| 14) Allyl chloride           | 4.229 | 41  | 3949  | 0.51  | ug/l # | 76     |
| 15) Acrylonitrile            | 4.878 | 53  | 2454  | 1.27  | ug/l # | 1      |
| 16) Acetone                  | 3.739 | 43  | 10550 | 4.30  | ug/l   | 97     |
| 17) Carbon Disulfide         | 3.964 | 76  | 7955  | 0.69  | ug/l # | 89     |
| 18) Methyl Acetate           | 4.229 | 43  | 3108  | 0.48  | ug/l # | 68     |
| 19) Methyl tert-butyl Ether  | 4.948 | 73  | 7076  | 0.61  | ug/l   | 92     |
| 20) Methylene Chloride       | 4.449 | 84  | 4457  | 0.94  | ug/l # | 95     |
| 21) trans-1,2-Dichloroethene | 4.927 | 96  | 1567  | 0.44  | ug/l # | 62     |
| 22) Diisopropyl ether        | 5.860 | 45  | 7747  | 0.64  | ug/l # | 97     |
| 23) Vinyl Acetate            | 5.801 | 43  | 25985 | 2.52  | ug/l   | 97     |
| 24) 1,1-Dichloroethane       | 5.742 | 63  | 3678  | 0.55  | ug/l # | 83     |
| 25) 2-Butanone               | 6.745 | 43  | 6579  | 2.45  | ug/l   | 92     |
| 26) 2,2-Dichloropropane      | 6.718 | 77  | 3490  | 0.59  | ug/l   | 91     |
| 27) cis-1,2-Dichloroethene   | 6.732 | 96  | 2208  | 0.53  | ug/l   | 80     |
| 28) Bromochloromethane       | 7.104 | 49  | 2131  | 0.63  | ug/l # | 84     |
| 29) Tetrahydrofuran          | 7.129 | 42  | 5688  | 3.25  | ug/l # | 72     |
| 30) Chloroform               | 7.279 | 83  | 2167  | 0.32  | ug/l   | 94     |
| 31) Cyclohexane              | 7.579 | 56  | 10104 | 1.61  | ug/l # | 23     |
| 32) 1,1,1-Trichloroethane    | 7.472 | 97  | 1672  | 0.29  | ug/l # | 22     |
| 36) 1,1-Dichloropropene      | 7.705 | 75  | 3098  | 0.58  | ug/l # | 83     |
| 37) Ethyl Acetate            | 6.844 | 43  | 3071  | 0.53  | ug/l # | 75     |
| 38) Carbon Tetrachloride     | 7.684 | 117 | 3049  | 0.57  | ug/l # | 95     |
| 39) Methylcyclohexane        | 9.006 | 83  | 3125  | 0.48  | ug/l   | 94     |
| 40) Benzene                  | 7.963 | 78  | 9446  | 0.59  | ug/l   | 98     |
| 41) Methacrylonitrile        | 7.072 | 41  | 1544  | 0.53  | ug/l # | 73     |
| 42) 1,2-Dichloroethane       | 8.051 | 62  | 3726  | 0.65  | ug/l   | 86     |

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 Operator : JC/MD  
 Sample : M1458-09 0.5 PPB  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

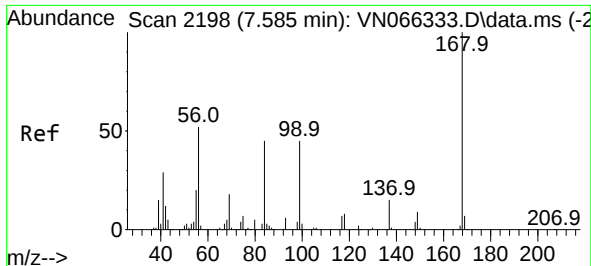
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 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT1-2021

Quant Time: Mar 31 04:07:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032521W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 31 04:06:58 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 43) Isopropyl Acetate         | 8.091  | 43   | 6165     | 0.62  | ug/l # | 83       |
| 44) Trichloroethene           | 8.767  | 130  | 2587     | 0.61  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.052  | 63   | 2487     | 0.58  | ug/l # | 76       |
| 46) Dibromomethane            | 9.135  | 93   | 1550     | 0.55  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.333  | 83   | 3156     | 0.55  | ug/l # | 96       |
| 48) Methyl methacrylate       | 9.132  | 41   | 2716     | 0.57  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.137  | 88   | 774      | 12.95 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 9.921  | 43   | 14920    | 2.56  | ug/l   | 99       |
| 52) Toluene                   | 10.092 | 92   | 5039     | 0.51  | ug/l   | 89       |
| 53) t-1,3-Dichloropropene     | 10.320 | 75   | 3370     | 0.54  | ug/l # | 83       |
| 54) cis-1,3-Dichloropropene   | 9.778  | 75   | 3422     | 0.51  | ug/l   | 90       |
| 55) 1,1,2-Trichloroethane     | 10.503 | 97   | 2321     | 0.59  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.374 | 69   | 2770     | 0.46  | ug/l # | 72       |
| 57) 1,3-Dichloropropane       | 10.645 | 76   | 3637     | 0.55  | ug/l # | 85       |
| 58) 2-Chloroethyl Vinyl ether | 9.636  | 63   | 718      | 1.32  | ug/l # | 49       |
| 59) 2-Hexanone                | 10.701 | 43   | 9177     | 2.24  | ug/l   | 78       |
| 60) Dibromochloromethane      | 10.838 | 129  | 2217     | 0.50  | ug/l   | 93       |
| 61) 1,2-Dibromoethane         | 10.950 | 107  | 2243     | 0.54  | ug/l   | 90       |
| 64) Tetrachloroethene         | 10.572 | 164  | 2215     | 0.53  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.377 | 112  | 5630     | 0.57  | ug/l   | 93       |
| 66) 1,1,1,2-Tetrachloroethane | 11.449 | 131  | 1940     | 0.51  | ug/l # | 45       |
| 67) Ethyl Benzene             | 11.455 | 91   | 9172     | 0.51  | ug/l   | 94       |
| 68) m/p-Xylenes               | 11.567 | 106  | 6564     | 0.97  | ug/l   | 99       |
| 69) o-Xylene                  | 11.889 | 106  | 3150     | 0.48  | ug/l   | 99       |
| 70) Styrene                   | 11.911 | 104  | 4638     | 0.44  | ug/l   | 91       |
| 71) Bromoform                 | 12.072 | 173  | 1259     | 0.40  | ug/l # | 93       |
| 73) Isopropylbenzene          | 12.195 | 105  | 7489     | 0.53  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.444 | 83   | 1307     | 0.29  | ug/l # | 34       |
| 76) 1,2,3-Trichloropropane    | 12.345 | 75   | 102800   | 24.69 | ug/l # | 100      |
| 77) Bromobenzene              | 12.474 | 156  | 2072     | 0.58  | ug/l   | 85       |
| 78) n-propylbenzene           | 12.538 | 91   | 6482     | 0.42  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.624 | 91   | 4074     | 0.43  | ug/l   | 88       |
| 80) 1,3,5-Trimethylbenzene    | 12.680 | 105  | 5757     | 0.50  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.345 | 75   | 102800   | 74.24 | ug/l # | 12       |
| 82) 4-Chlorotoluene           | 12.729 | 91   | 2878     | 0.31  | ug/l   | 91       |
| 83) tert-Butylbenzene         | 12.938 | 119  | 5061     | 0.51  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 12.989 | 105  | 5497     | 0.49  | ug/l   | 90       |
| 85) sec-Butylbenzene          | 13.117 | 105  | 6169     | 0.48  | ug/l   | 91       |
| 86) p-Isopropyltoluene        | 13.238 | 119  | 5200     | 0.45  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.230 | 146  | 3212     | 0.54  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.230 | 146  | 3212     | 0.52  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.576 | 91   | 3445     | 0.36  | ug/l # | 78       |
| 90) Hexachloroethane          | 13.807 | 117  | 621      | 0.30  | ug/l # | 45       |
| 91) 1,2-Dichlorobenzene       | 13.606 | 146  | 3093     | 0.53  | ug/l   | 92       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.228 | 75   | 347      | 0.40  | ug/l # | 10       |
| 93) 1,2,4-Trichlorobenzene    | 14.863 | 180  | 1810     | 0.50  | ug/l   | 91       |
| 94) Hexachlorobutadiene       | 14.944 | 225  | 1140     | 0.57  | ug/l   | 89       |
| 95) Naphthalene               | 15.083 | 128  | 5617     | 0.51  | ug/l # | 93       |
| 96) 1,2,3-Trichlorobenzene    | 15.260 | 180  | 1945     | 0.53  | ug/l   | 91       |

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

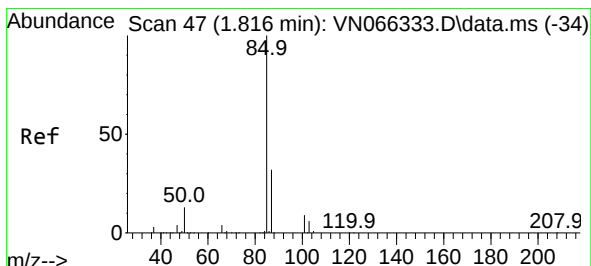
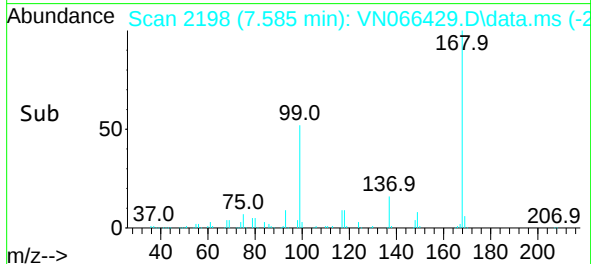
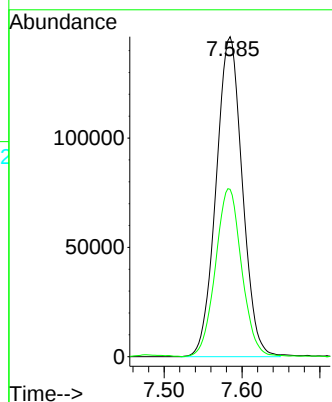
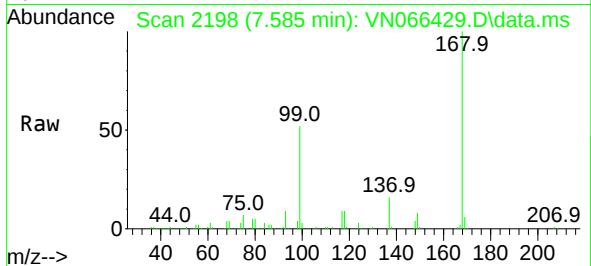




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.585 min Scan# 2198  
Delta R.T. -0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

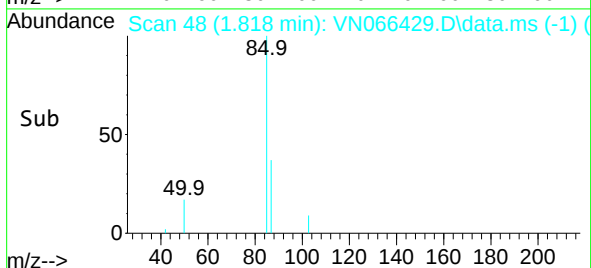
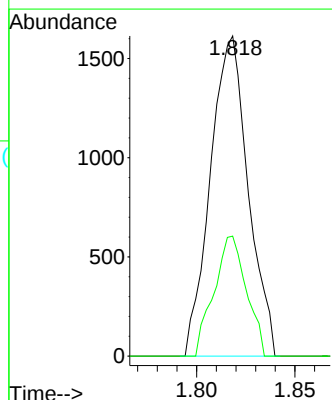
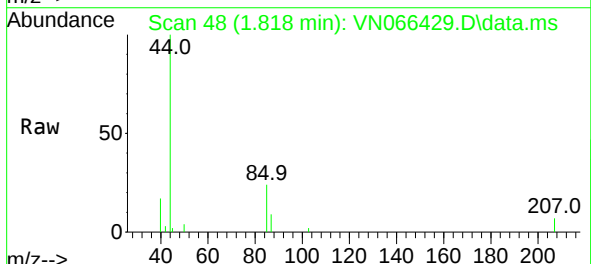
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

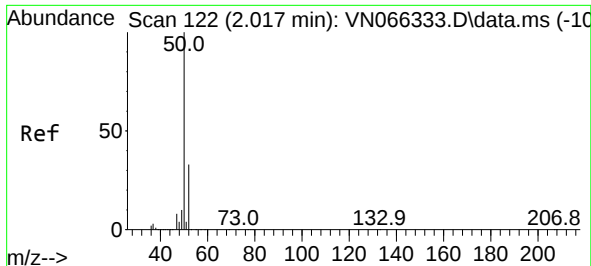
Tgt Ion:168 Resp: 341963  
Ion Ratio Lower Upper  
168 100  
99 52.2 41.1 61.7



#2  
Dichlorodifluoromethane  
Concen: 0.50 ug/l  
RT: 1.818 min Scan# 48  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 85 Resp: 2153  
Ion Ratio Lower Upper  
85 100  
87 37.5 16.2 48.6

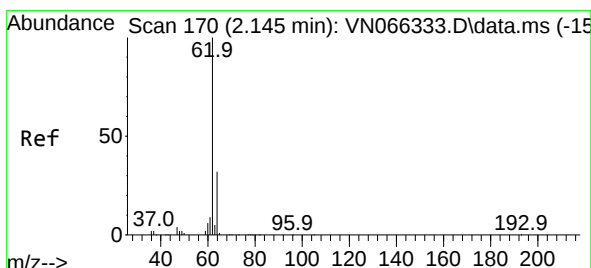
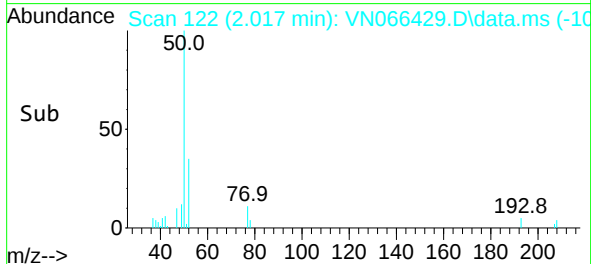
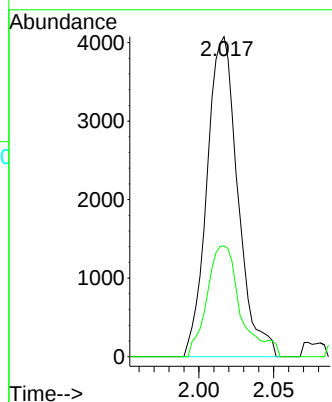
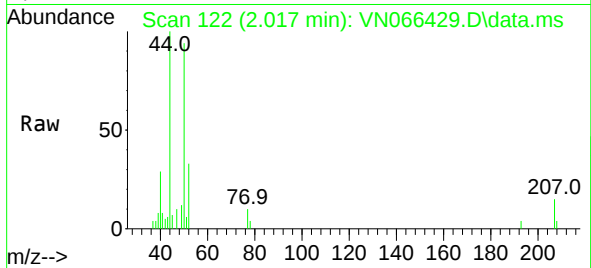




#3  
Chloromethane  
Concen: 1.16 ug/l  
RT: 2.017 min Scan# 122  
Delta R.T. -0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

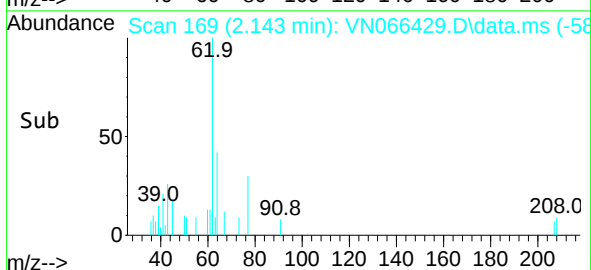
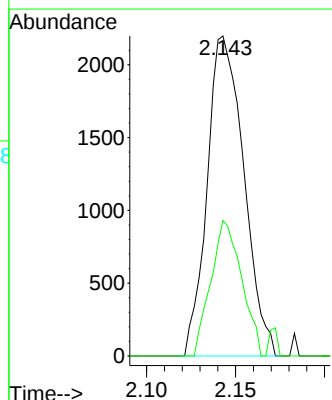
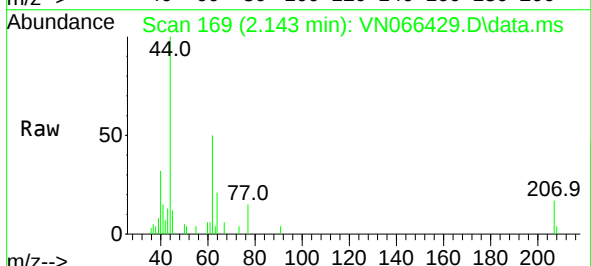
Instrument :  
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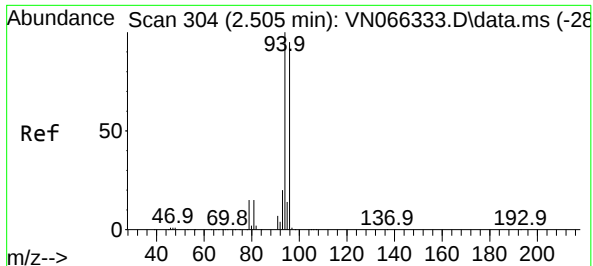
Tgt Ion: 50 Resp: 5855  
Ion Ratio Lower Upper  
50 100  
52 34.6 26.2 39.2



#4  
Vinyl Chloride  
Concen: 0.64 ug/l  
RT: 2.143 min Scan# 169  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 62 Resp: 3142  
Ion Ratio Lower Upper  
62 100  
64 42.3 25.6 38.4#

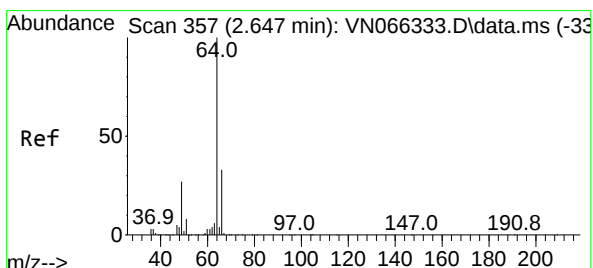
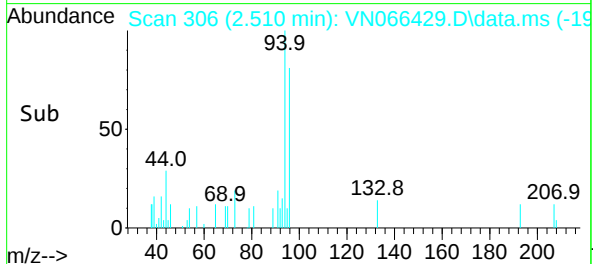
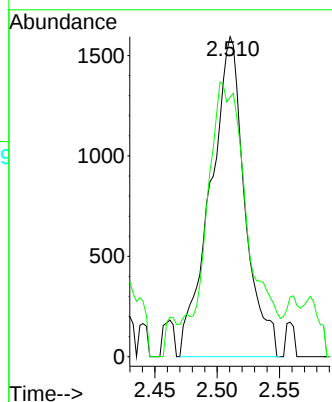
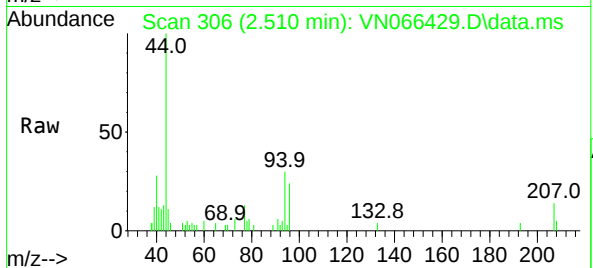




#5  
Bromomethane  
Concen: 0.93 ug/l  
RT: 2.510 min Scan# 306  
Delta R.T. 0.005 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

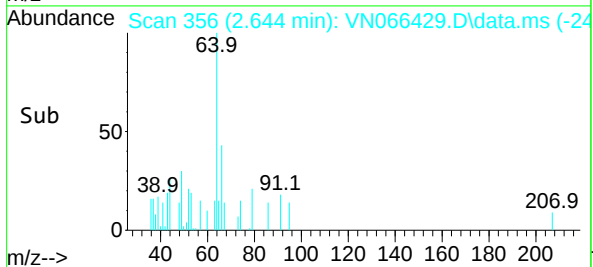
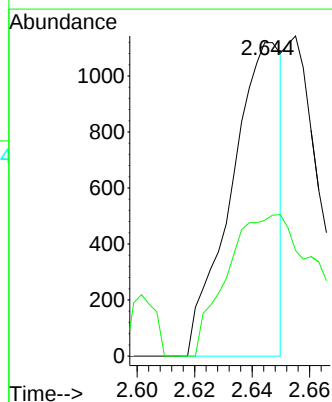
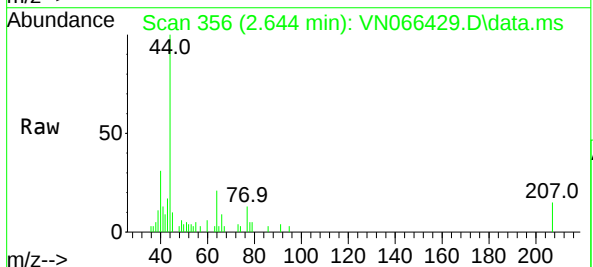
Instrument :  
MSVOA\_N  
ClientSampleId :  
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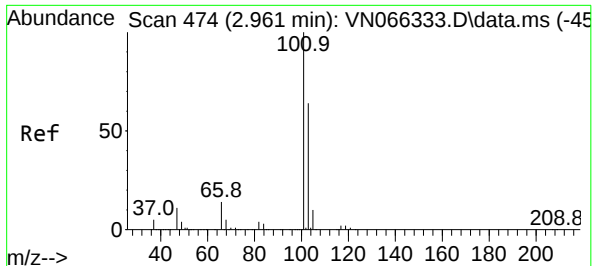
Tgt Ion: 94 Resp: 3060  
Ion Ratio Lower Upper  
94 100  
96 71.0 75.8 113.6#



#6  
Chloroethane  
Concen: 0.44 ug/l  
RT: 2.644 min Scan# 356  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 64 Resp: 1349  
Ion Ratio Lower Upper  
64 100  
66 43.3 26.1 39.1#

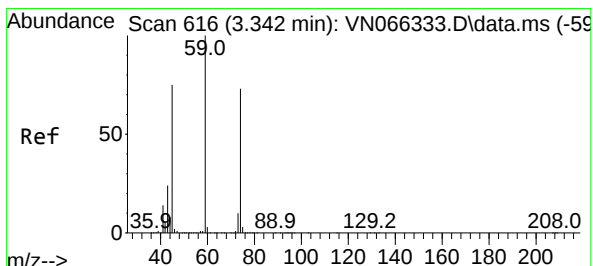
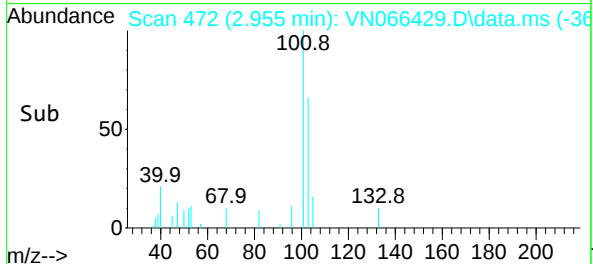
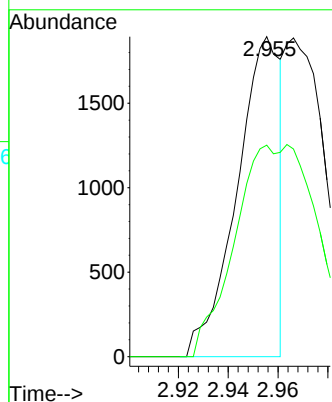
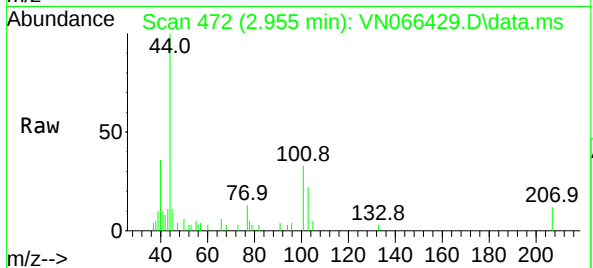




#7  
Trichlorofluoromethane  
Concen: 0.34 ug/l  
RT: 2.955 min Scan# 472  
Delta R.T. -0.005 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

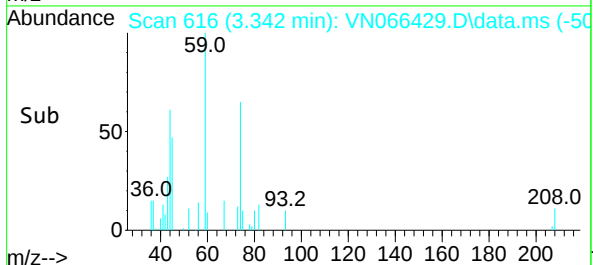
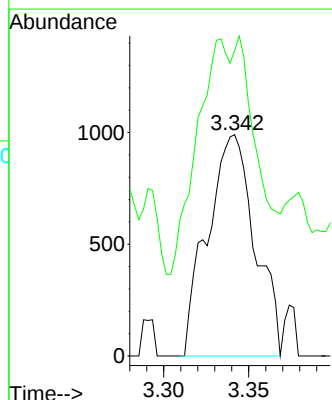
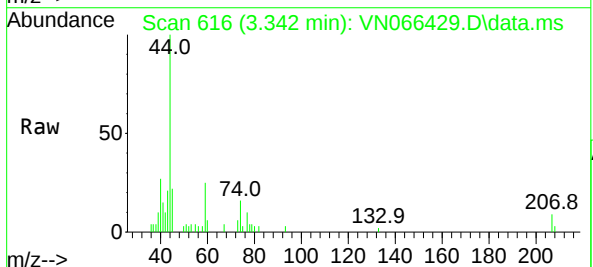
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MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

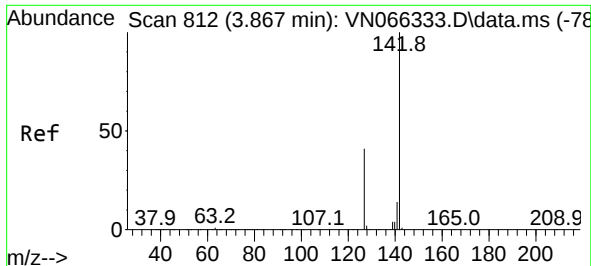
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Ion Ratio Lower Upper  
101 100  
103 66.1 51.4 77.0



#8  
Diethyl Ether  
Concen: 0.70 ug/l  
RT: 3.342 min Scan# 616  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

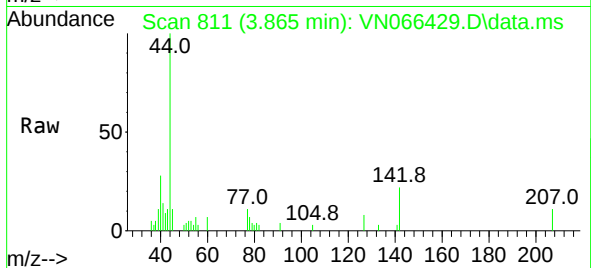
Tgt Ion: 74 Resp: 1921  
Ion Ratio Lower Upper  
74 100  
45 73.5 51.6 154.8



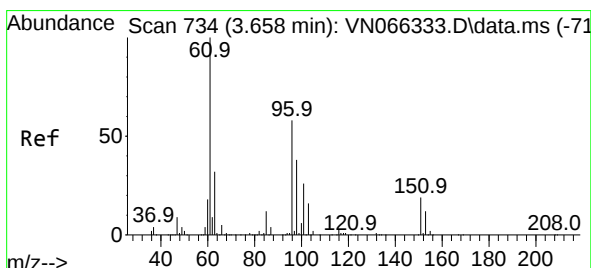
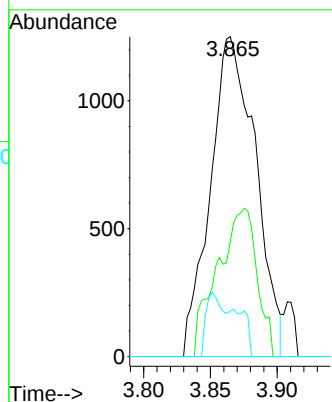
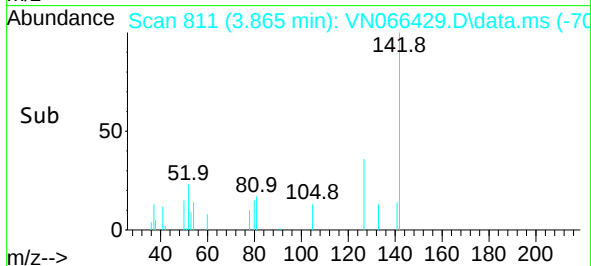


#10  
Methyl Iodide  
Concen: 0.54 ug/l  
RT: 3.865 min Scan# 811  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

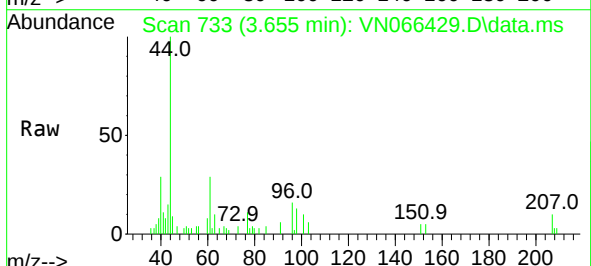
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021



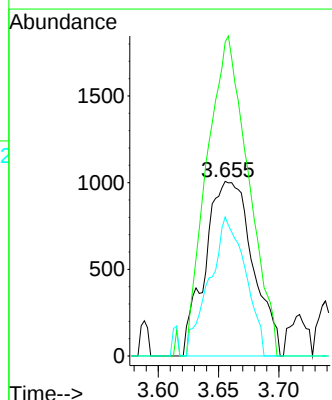
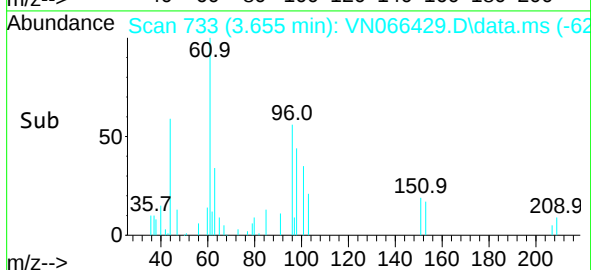
Tgt Ion:142 Resp: 2947  
Ion Ratio Lower Upper  
142 100  
127 40.7 33.0 49.6  
141 0.0 11.1 16.7#

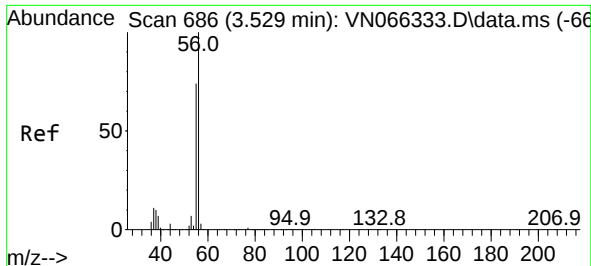


#12  
1,1-Dichloroethene  
Concen: 0.71 ug/l  
RT: 3.655 min Scan# 733  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52



Tgt Ion: 96 Resp: 2768  
Ion Ratio Lower Upper  
96 100  
61 179.7 137.0 205.4  
98 79.6 51.5 77.3#

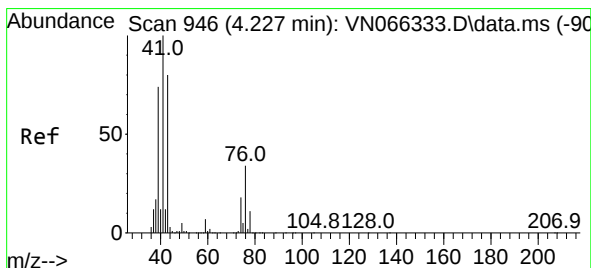
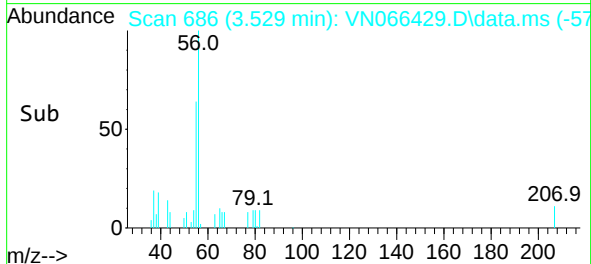
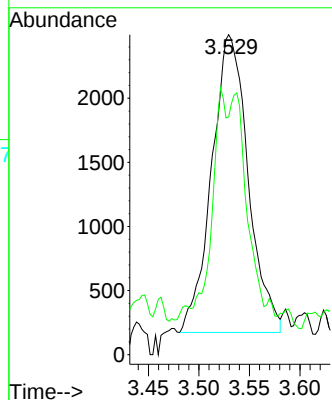
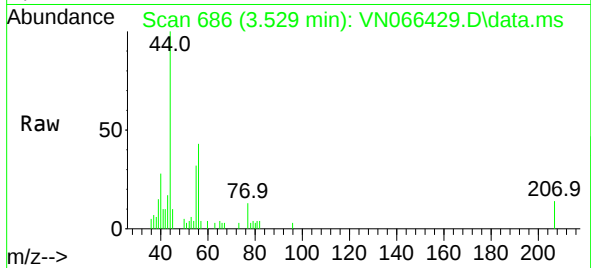




#13  
Acrolein  
Concen: 12.97 ug/l  
RT: 3.529 min Scan# 686  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

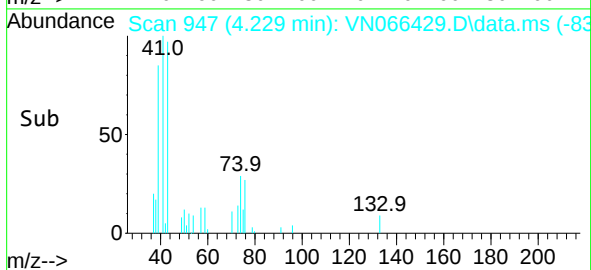
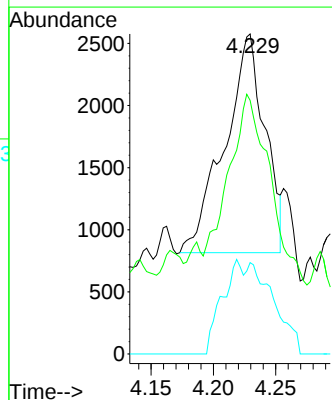
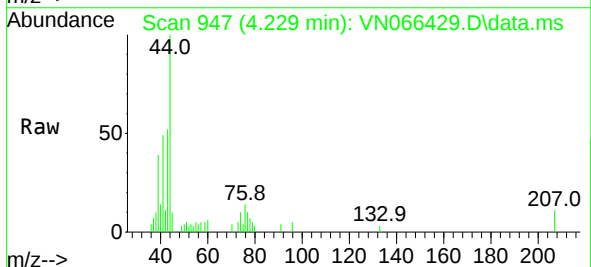
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

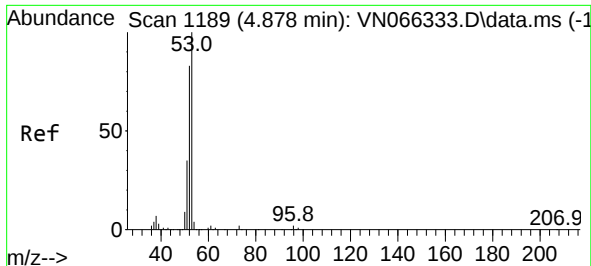
Tgt Ion: 56 Resp: 5836  
Ion Ratio Lower Upper  
56 100  
55 26.3 57.9 86.9#



#14  
Allyl chloride  
Concen: 0.51 ug/l  
RT: 4.229 min Scan# 947  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

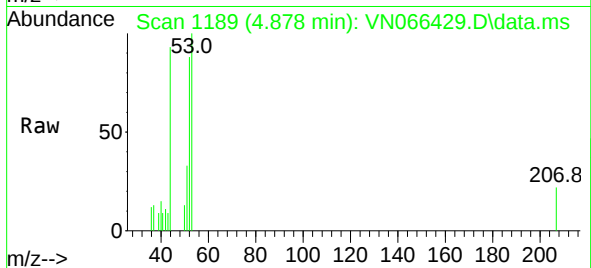
Tgt Ion: 41 Resp: 3949  
Ion Ratio Lower Upper  
41 100  
39 91.6 55.3 82.9#  
76 22.7 24.6 36.8#



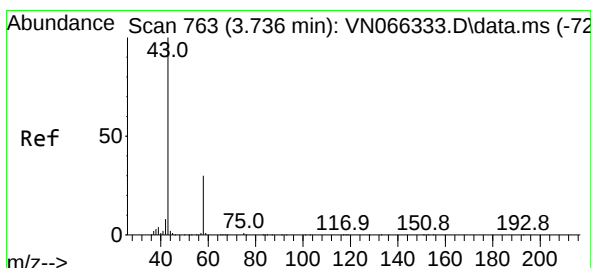
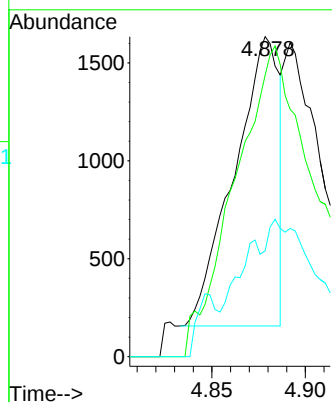
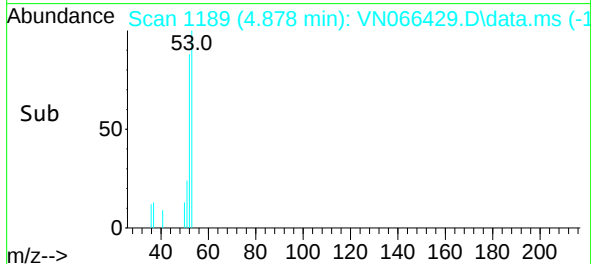


#15  
Acrylonitrile  
Concen: 1.27 ug/l  
RT: 4.878 min Scan# 1189  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

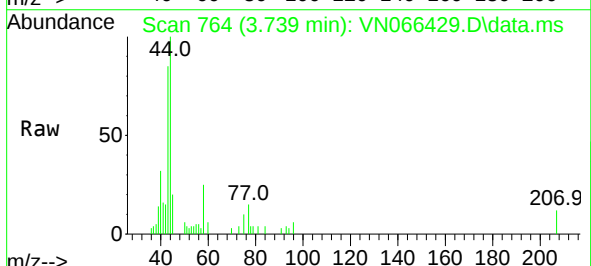
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021



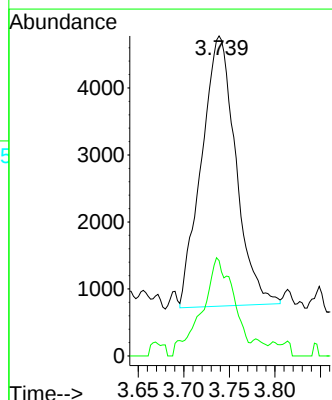
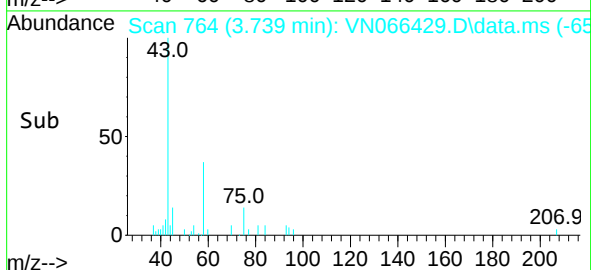
Tgt Ion: 53 Resp: 2454  
Ion Ratio Lower Upper  
53 100  
52 200.3 66.6 99.8#  
51 54.4 29.4 44.0#

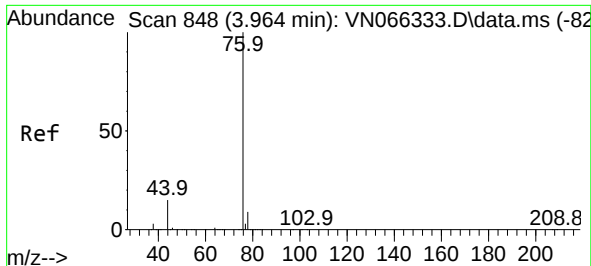


#16  
Acetone  
Concen: 4.30 ug/l  
RT: 3.739 min Scan# 764  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52



Tgt Ion: 43 Resp: 10550  
Ion Ratio Lower Upper  
43 100  
58 31.4 23.8 35.8

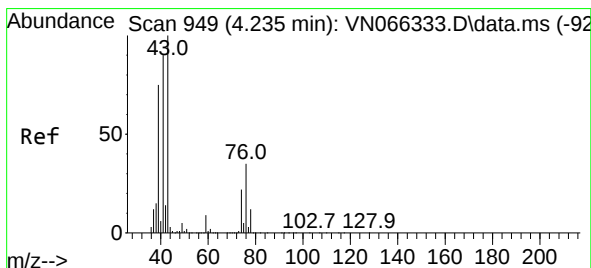
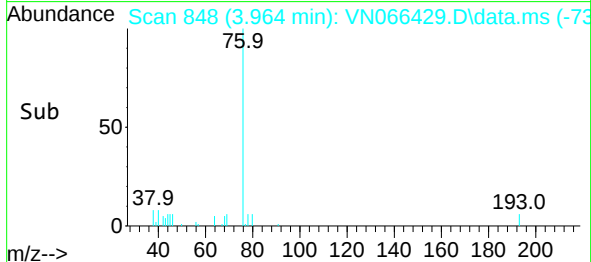
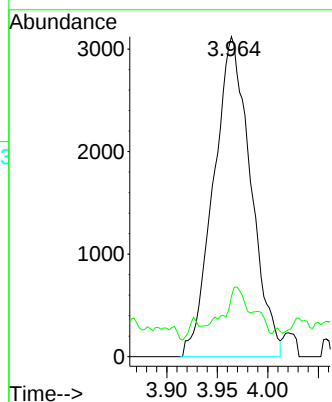
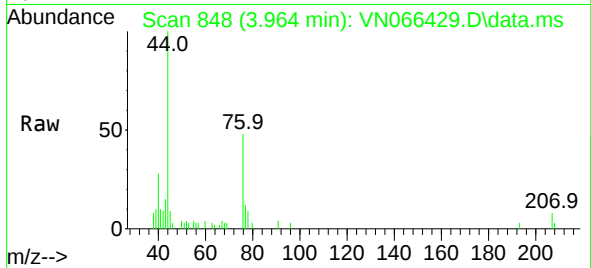




#17  
Carbon Disulfide  
Concen: 0.69 ug/l  
RT: 3.964 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

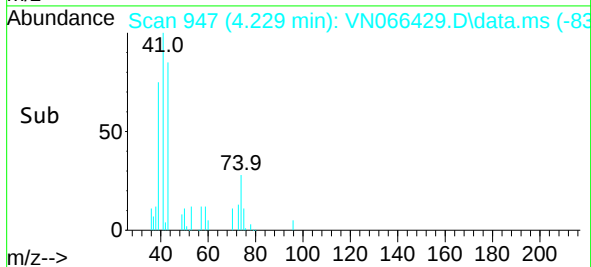
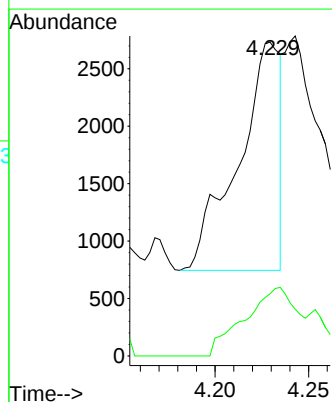
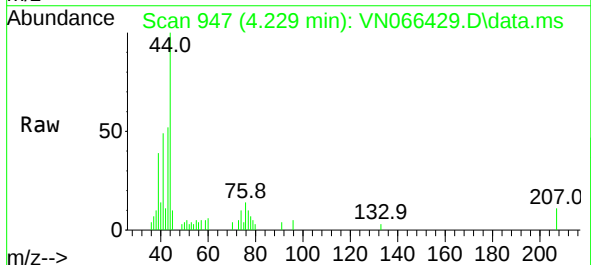
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

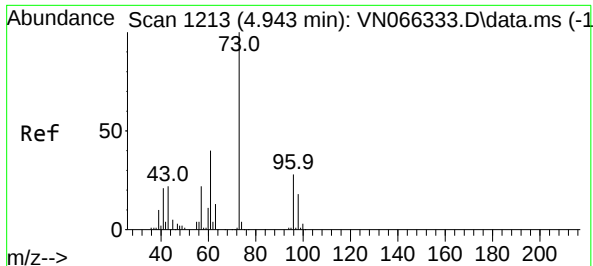
Tgt Ion: 76 Resp: 7955  
Ion Ratio Lower Upper  
76 100  
78 13.2 7.4 11.0#



#18  
Methyl Acetate  
Concen: 0.48 ug/l  
RT: 4.229 min Scan# 947  
Delta R.T. -0.005 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 43 Resp: 3108  
Ion Ratio Lower Upper  
43 100  
74 37.1 17.6 26.4#



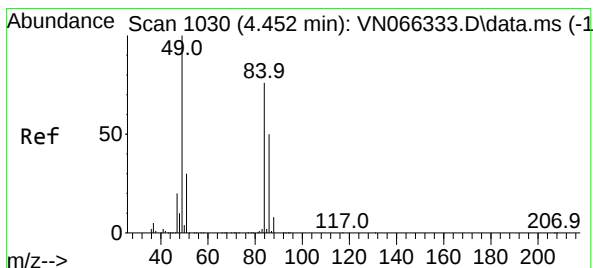
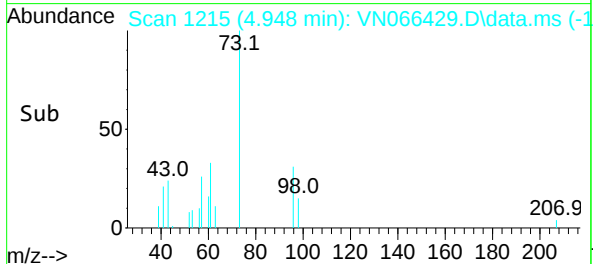
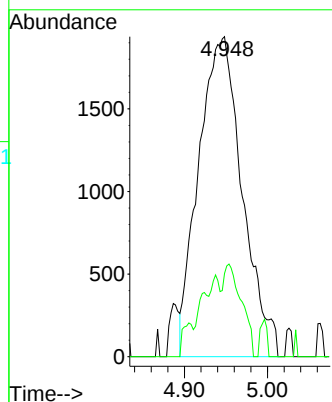
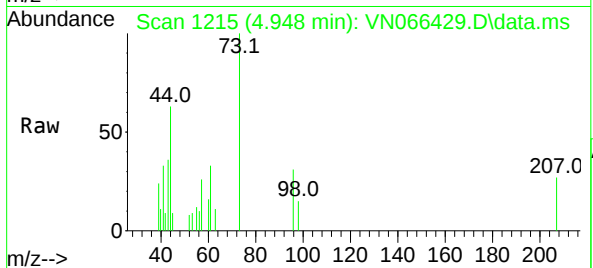


#19

Methyl tert-butyl Ether  
Concen: 0.61 ug/l  
RT: 4.948 min Scan# 1215  
Delta R.T. 0.005 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

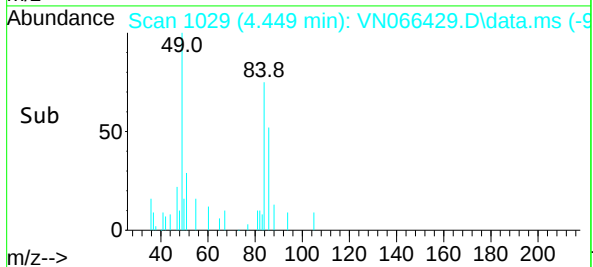
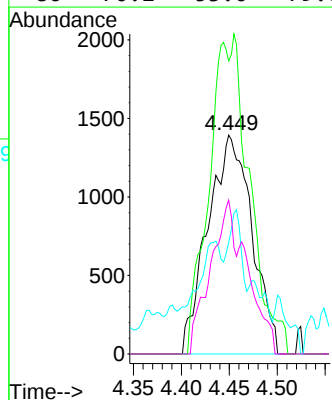
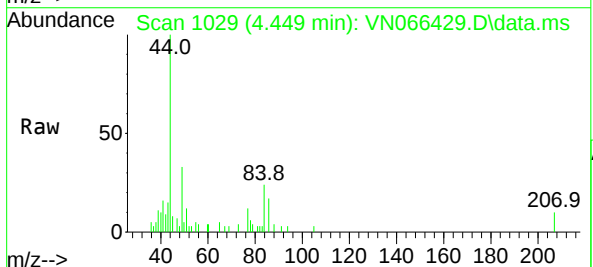
Tgt Ion: 73 Resp: 7076  
Ion Ratio Lower Upper  
73 100  
57 26.0 17.6 26.4

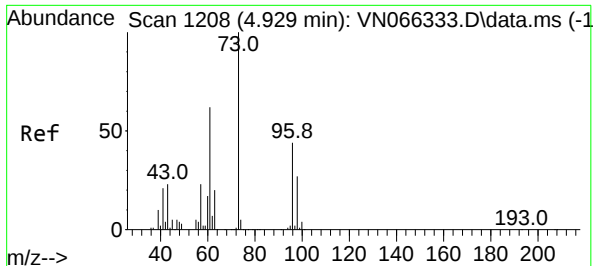


#20

Methylene Chloride  
Concen: 0.94 ug/l  
RT: 4.449 min Scan# 1029  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 84 Resp: 4457  
Ion Ratio Lower Upper  
84 100  
49 133.9 105.0 157.6  
51 30.4 31.6 47.4#  
86 70.2 53.0 79.6

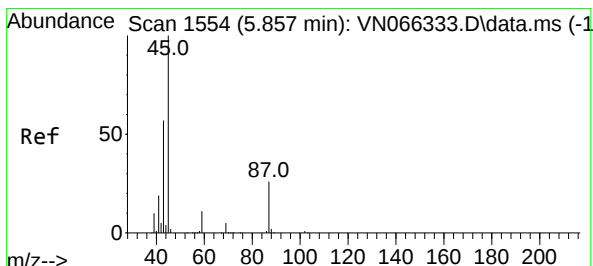
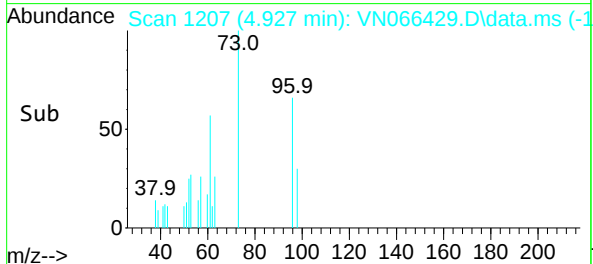
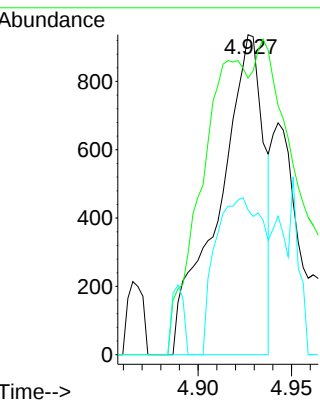
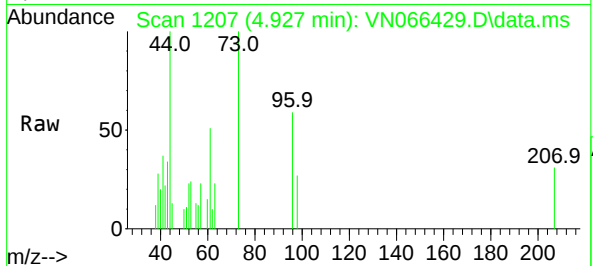




#21  
trans-1,2-Dichloroethene  
Concen: 0.44 ug/l  
RT: 4.927 min Scan# 1207  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

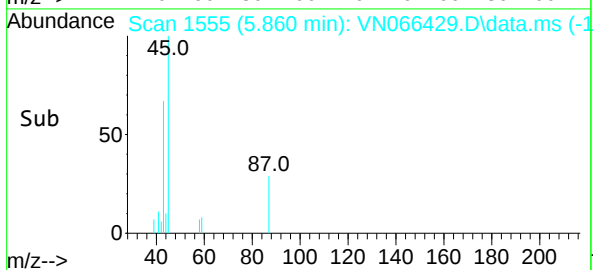
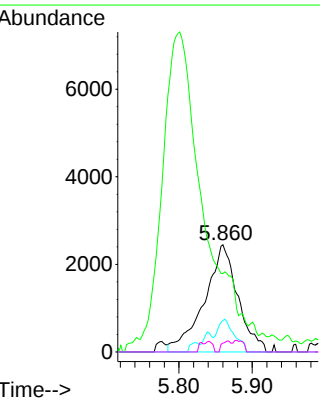
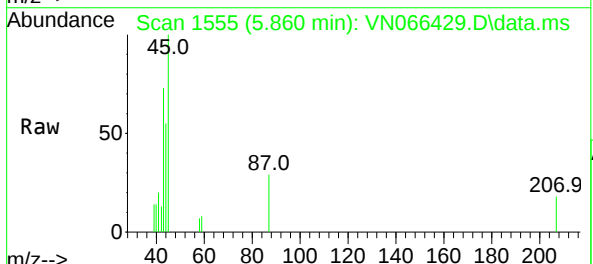
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MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

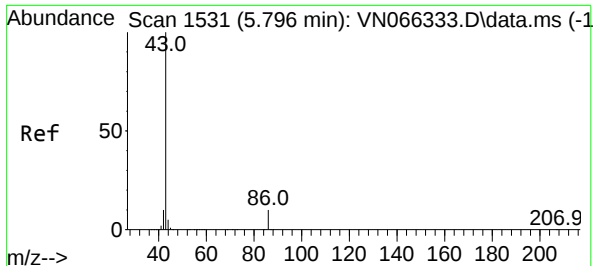
Tgt Ion: 96 Resp: 1567  
Ion Ratio Lower Upper  
96 100  
61 86.4 113.7 170.5#  
98 45.3 50.2 75.2#



#22  
Diisopropyl ether  
Concen: 0.64 ug/l  
RT: 5.860 min Scan# 1555  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 45 Resp: 7747  
Ion Ratio Lower Upper  
45 100  
43 58.8 48.1 72.1  
87 29.4 21.6 32.4  
59 8.2 8.9 13.3#

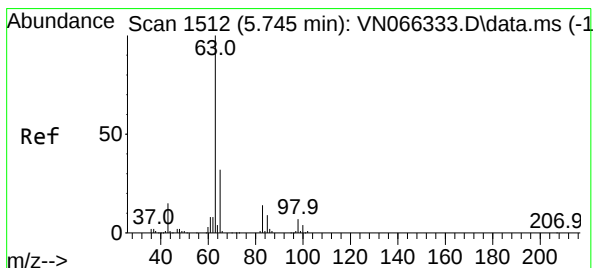
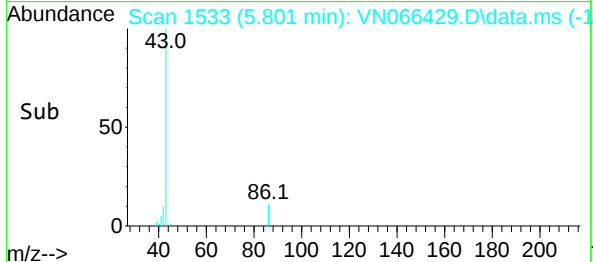
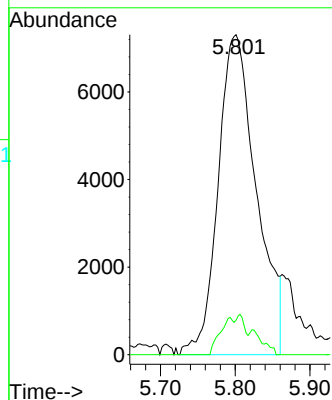
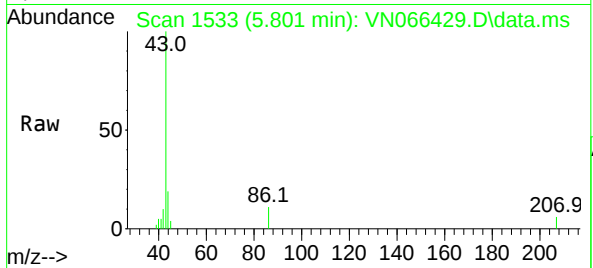




#23  
 Vinyl Acetate  
 Concen: 2.52 ug/l  
 RT: 5.801 min Scan# 1533  
 Delta R.T. 0.005 min  
 Lab File: VN066429.D  
 Acq: 30 Mar 2021 18:52

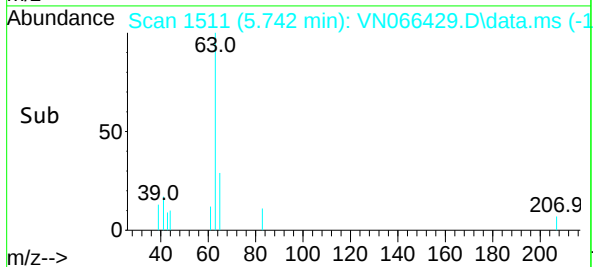
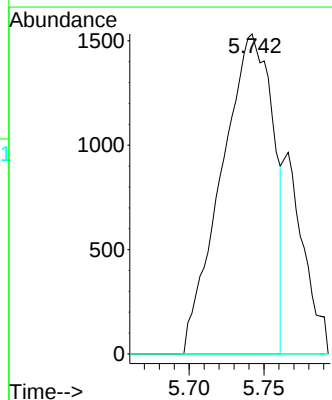
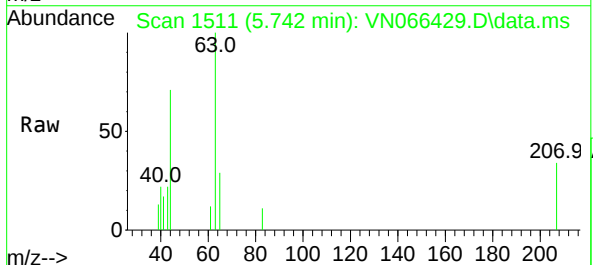
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT1-2021

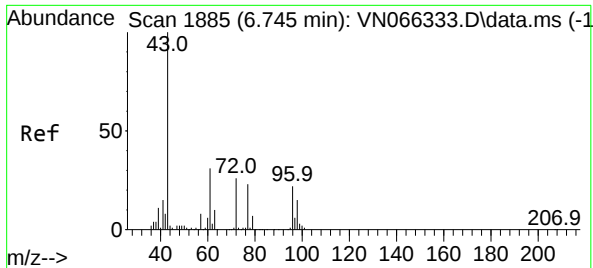
Tgt Ion: 43 Resp: 25985  
 Ion Ratio Lower Upper  
 43 100  
 86 10.8 7.7 11.5



#24  
 1,1-Dichloroethane  
 Concen: 0.55 ug/l  
 RT: 5.742 min Scan# 1511  
 Delta R.T. -0.003 min  
 Lab File: VN066429.D  
 Acq: 30 Mar 2021 18:52

Tgt Ion: 63 Resp: 3678  
 Ion Ratio Lower Upper  
 63 100  
 98 0.0 3.4 10.1#  
 100 0.0 2.0 6.0#

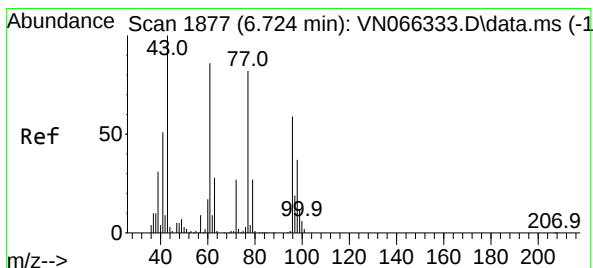
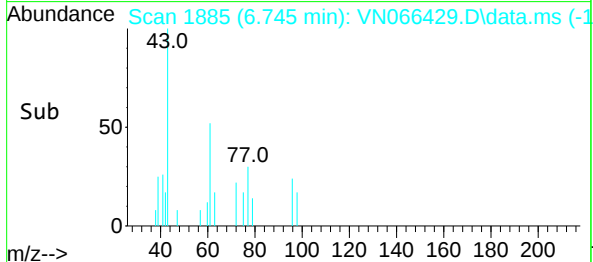
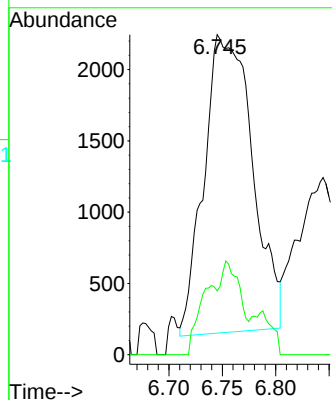
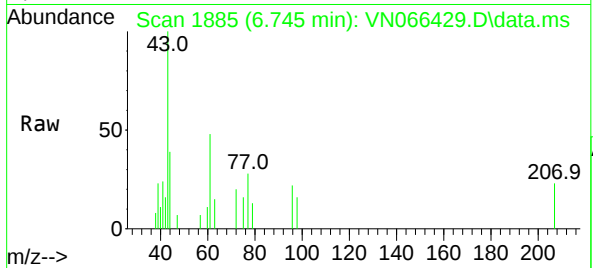




#25  
2-Butanone  
Concen: 2.45 ug/l  
RT: 6.745 min Scan# 1885  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

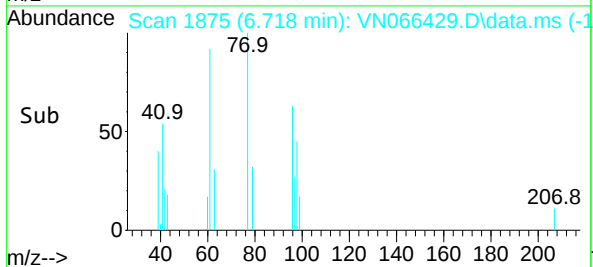
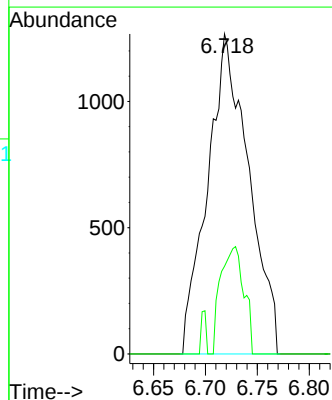
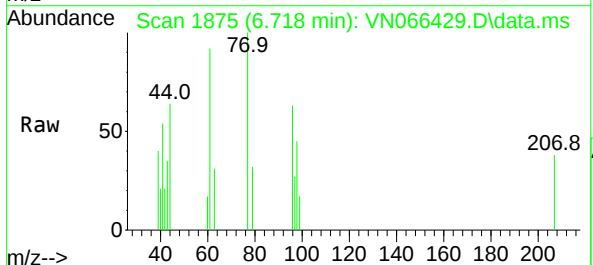
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

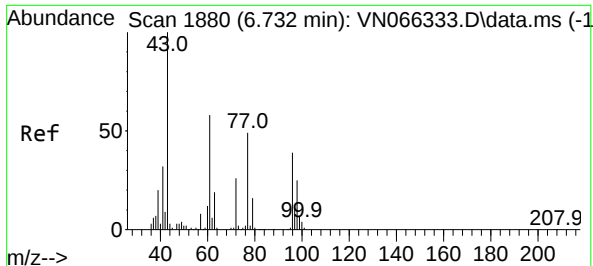
Tgt Ion: 43 Resp: 6579  
Ion Ratio Lower Upper  
43 100  
72 21.8 20.7 31.1



#26  
2,2-Dichloropropane  
Concen: 0.59 ug/l  
RT: 6.718 min Scan# 1875  
Delta R.T. -0.005 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 77 Resp: 3490  
Ion Ratio Lower Upper  
77 100  
97 19.0 11.6 34.7



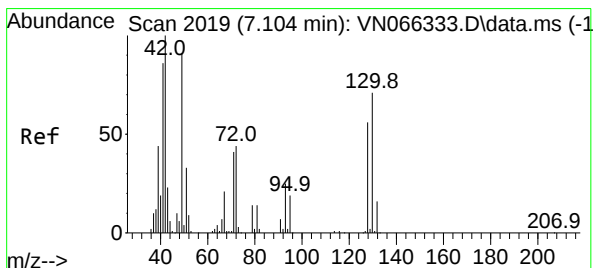
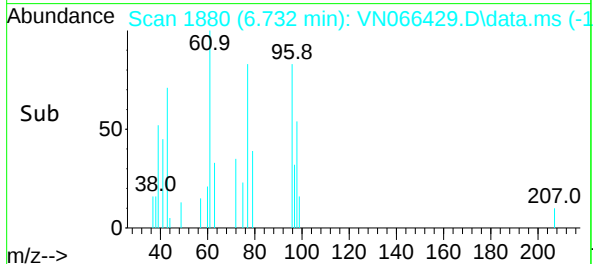
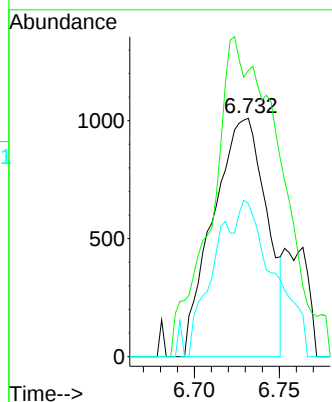
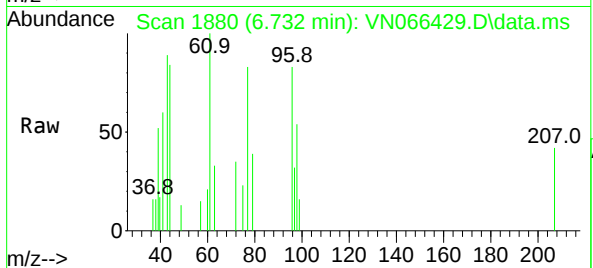


#27

cis-1,2-Dichloroethene  
Concen: 0.53 ug/l  
RT: 6.732 min Scan# 1880  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

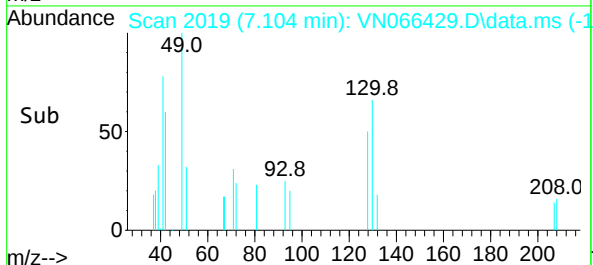
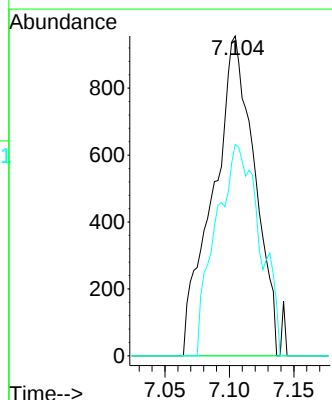
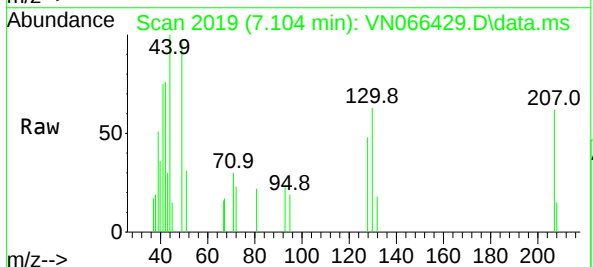
Tgt Ion: 96 Resp: 2208  
Ion Ratio Lower Upper  
96 100  
61 170.7 0.0 296.2  
98 44.1 0.0 129.2

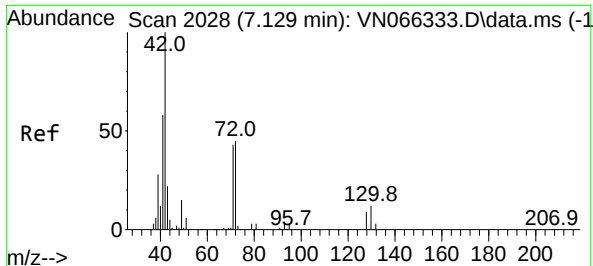


#28

Bromochloromethane  
Concen: 0.63 ug/l  
RT: 7.104 min Scan# 2019  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 49 Resp: 2131  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 4.2  
130 62.7 61.6 92.4

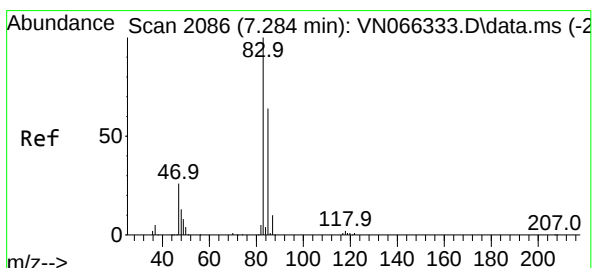
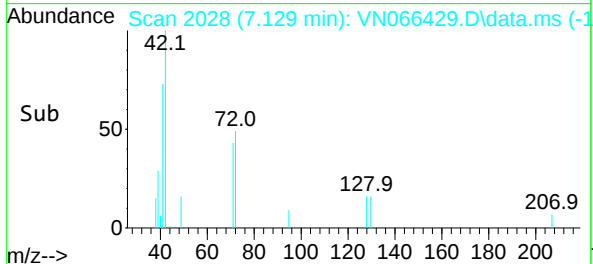
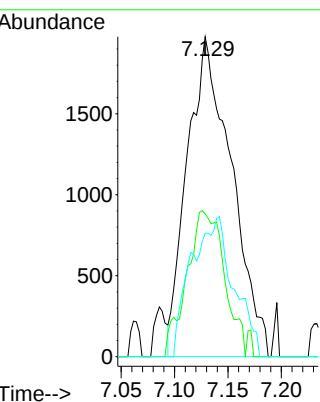
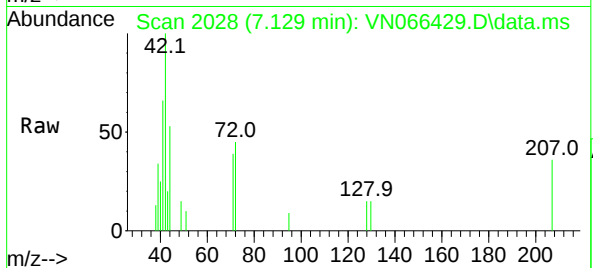




#29  
Tetrahydrofuran  
Concen: 3.25 ug/l  
RT: 7.129 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

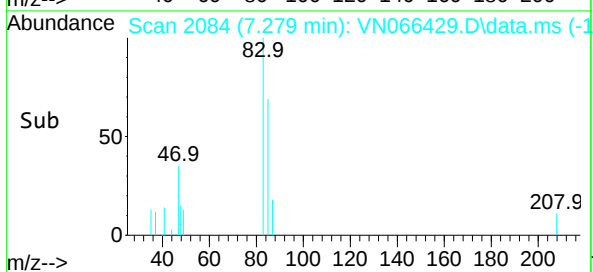
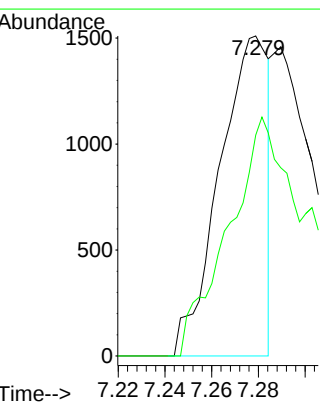
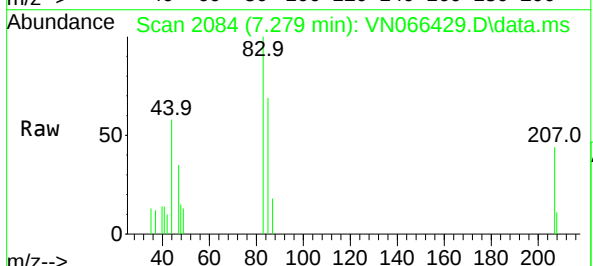
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

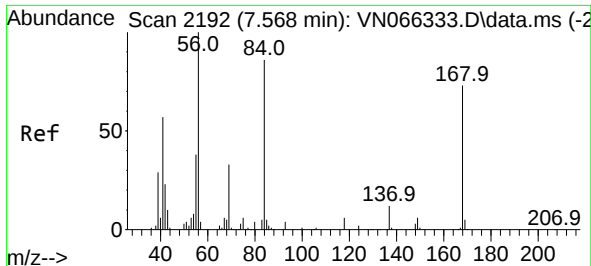
Tgt Ion: 42 Resp: 5688  
Ion Ratio Lower Upper  
42 100  
72 39.0 35.2 52.8  
71 10.8 33.1 49.7#



#30  
Chloroform  
Concen: 0.32 ug/l  
RT: 7.279 min Scan# 2084  
Delta R.T. -0.005 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 83 Resp: 2167  
Ion Ratio Lower Upper  
83 100  
85 69.0 51.3 76.9

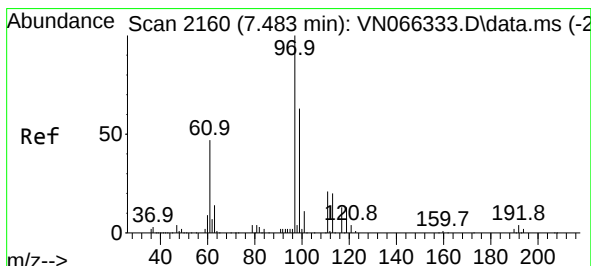
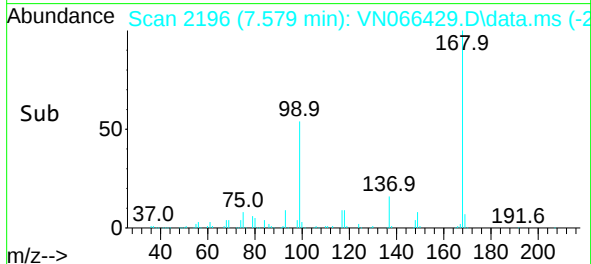
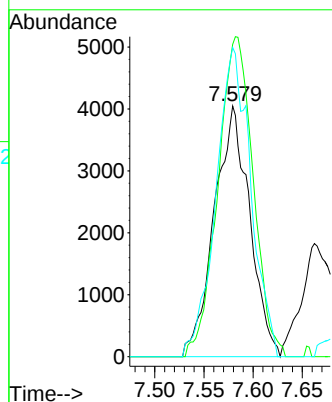
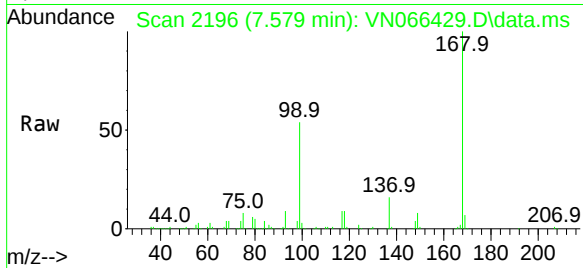




#31  
Cyclohexane  
Concen: 1.61 ug/l  
RT: 7.579 min Scan# 2196  
Delta R.T. 0.011 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

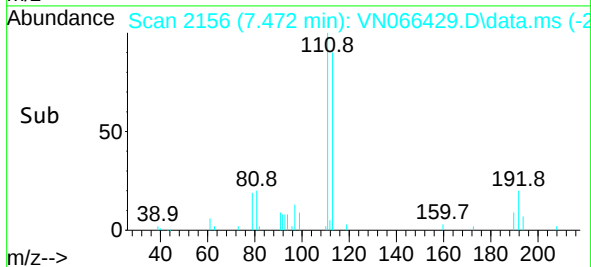
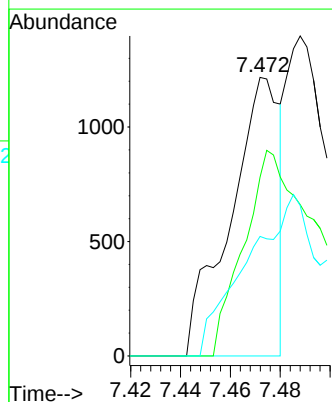
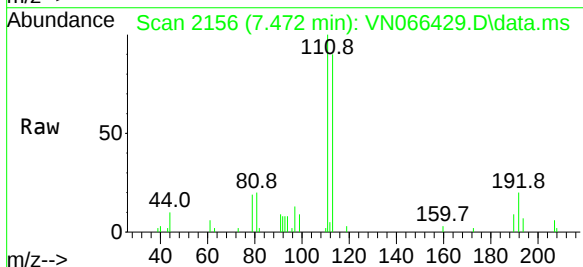
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

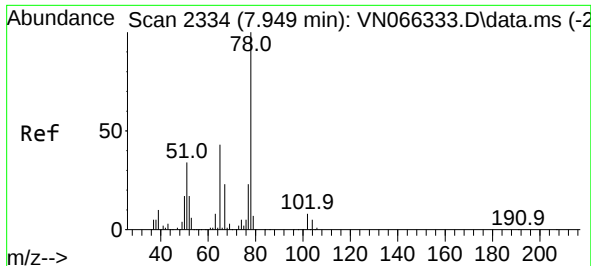
Tgt Ion: 56 Resp: 10104  
Ion Ratio Lower Upper  
56 100  
69 124.6 26.6 40.0#  
84 127.1 68.7 103.1#



#32  
1,1,1-Trichloroethane  
Concen: 0.29 ug/l  
RT: 7.472 min Scan# 2156  
Delta R.T. -0.011 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 97 Resp: 1672  
Ion Ratio Lower Upper  
97 100  
99 0.0 51.1 76.7#  
61 94.1 36.9 55.3#

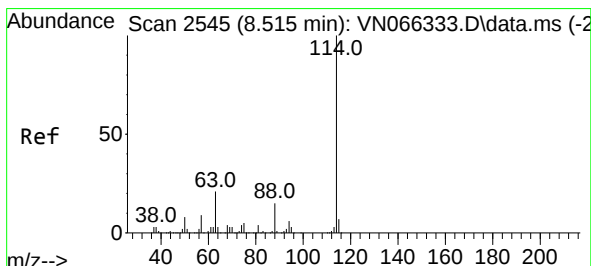
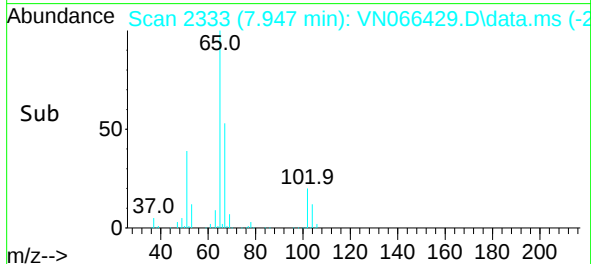
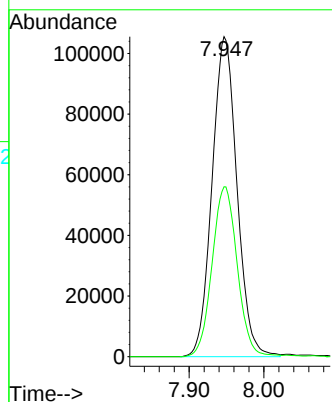
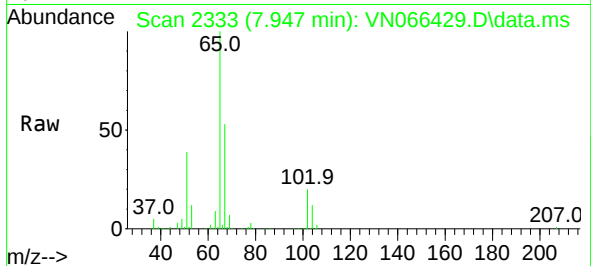




#33  
1,2-Dichloroethane-d4  
Concen: 53.68 ug/l  
RT: 7.947 min Scan# 2333  
Delta R.T. -0.002 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

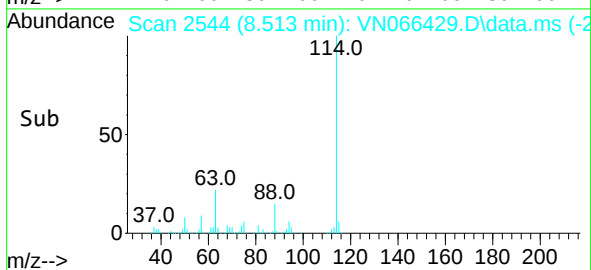
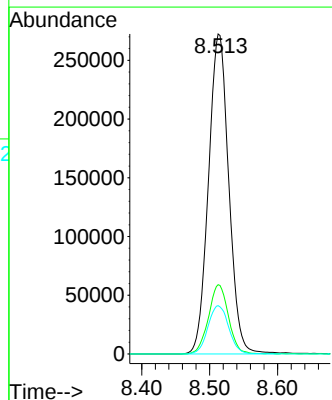
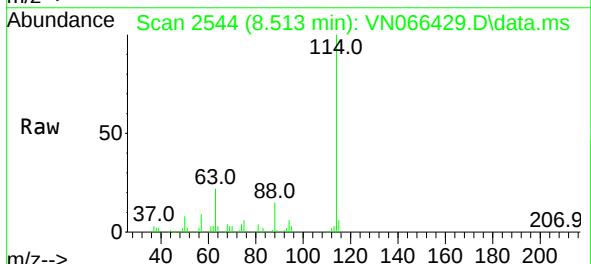
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

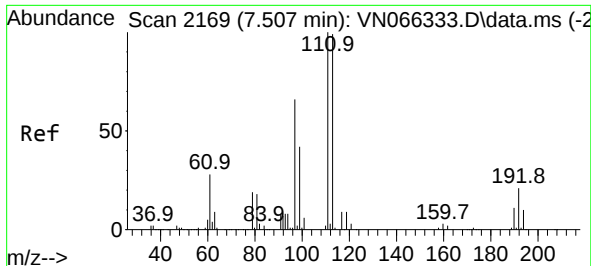
Tgt Ion: 65 Resp: 244039  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 105.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.513 min Scan# 2544  
Delta R.T. -0.002 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 114 Resp: 565308  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 42.0  
88 15.1 0.0 31.0

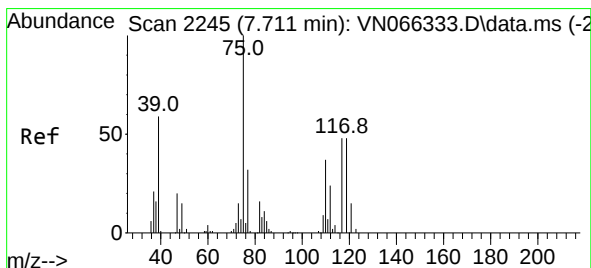
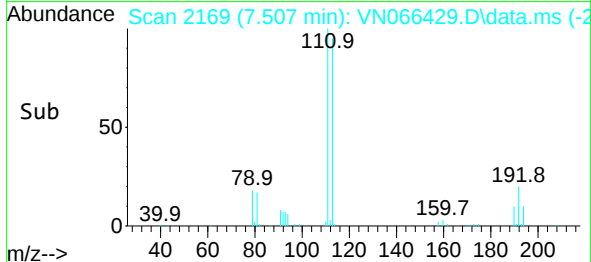
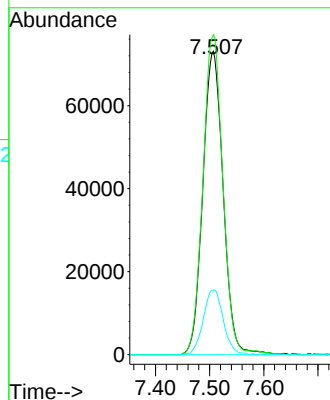
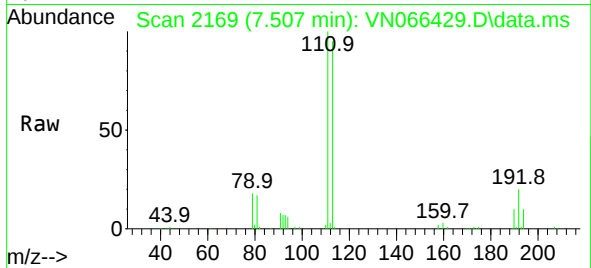




#35  
Dibromofluoromethane  
Concen: 50.88 ug/l  
RT: 7.507 min Scan# 2169  
Delta R.T. -0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

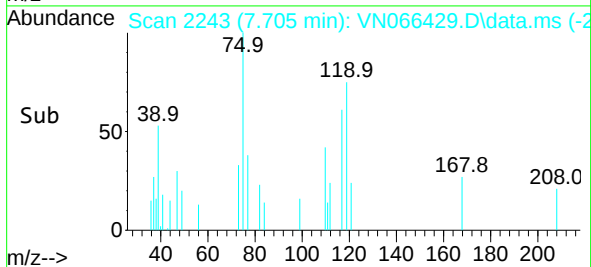
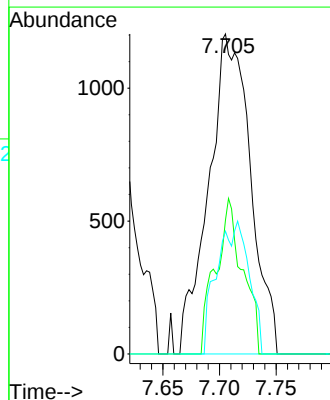
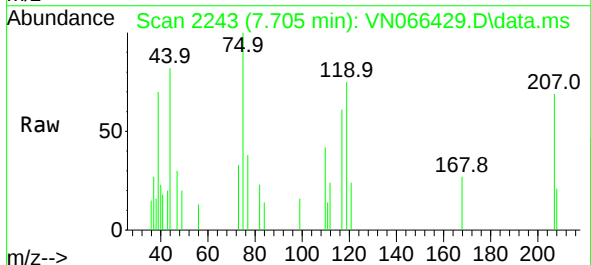
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

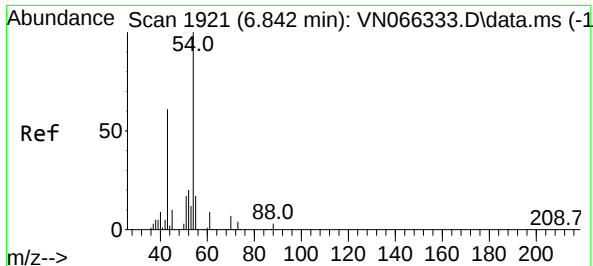
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 190679 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.1 | 81.8  | 122.8  |
| 192      | 21.1  | 17.1  | 25.7   |



#36  
1,1-Dichloropropene  
Concen: 0.58 ug/l  
RT: 7.705 min Scan# 2243  
Delta R.T. -0.005 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 3098  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 31.3  | 18.1  | 54.3  |
| 77       | 16.1  | 25.0  | 37.4# |





#37

Ethyl Acetate

Concen: 0.53 ug/l

RT: 6.844 min Scan# 1922

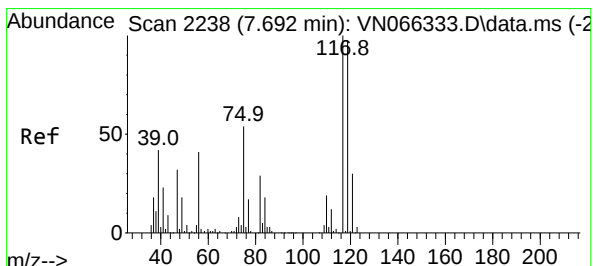
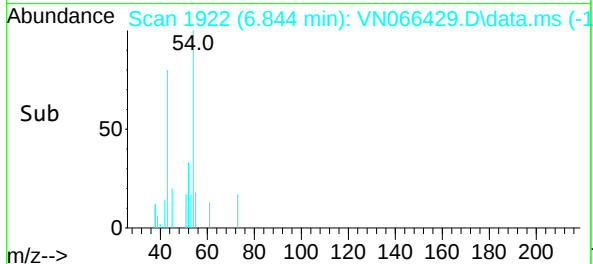
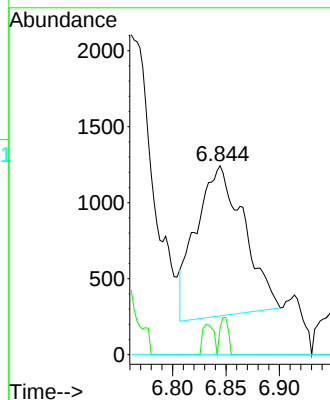
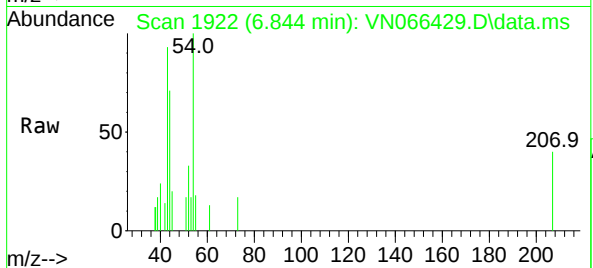
Delta R.T. 0.003 min

Lab File: VN066429.D

Acq: 30 Mar 2021 18:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3071  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 4.3   | 11.1  | 16.7# |
| 70       | 0.0   | 8.0   | 12.0# |



#38

Carbon Tetrachloride

Concen: 0.57 ug/l

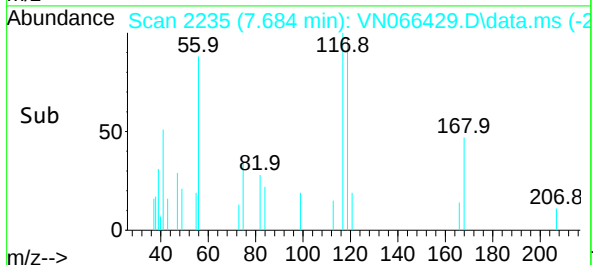
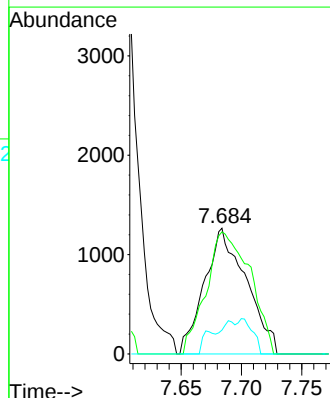
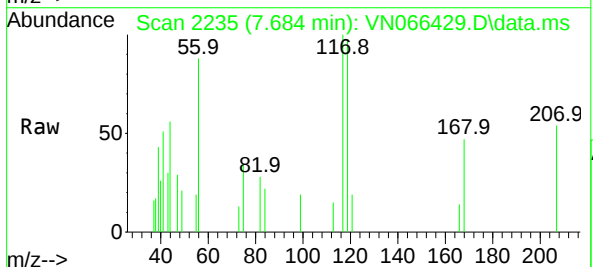
RT: 7.684 min Scan# 2235

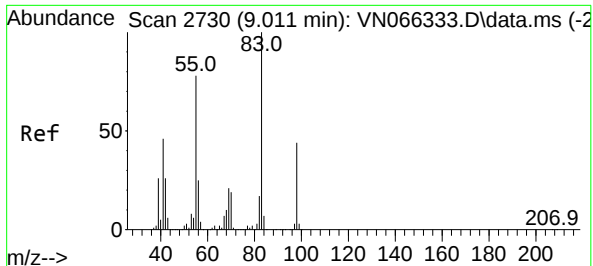
Delta R.T. -0.008 min

Lab File: VN066429.D

Acq: 30 Mar 2021 18:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 3049  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 97.1  | 77.2  | 115.8 |
| 121      | 19.0  | 24.2  | 36.4# |





#39

Methylcyclohexane

Concen: 0.48 ug/l

RT: 9.006 min Scan# 2728

Delta R.T. -0.005 min

Lab File: VN066429.D

Acq: 30 Mar 2021 18:52

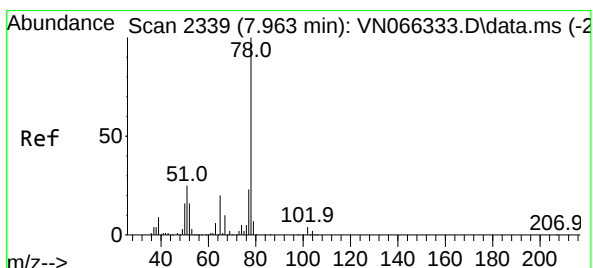
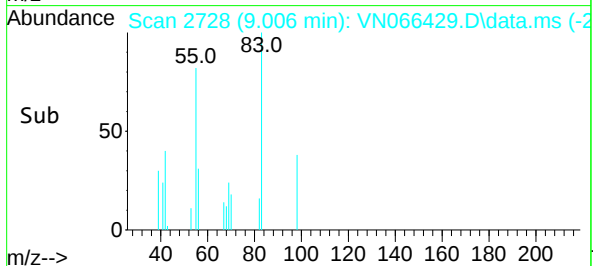
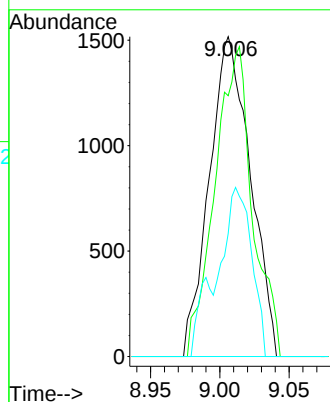
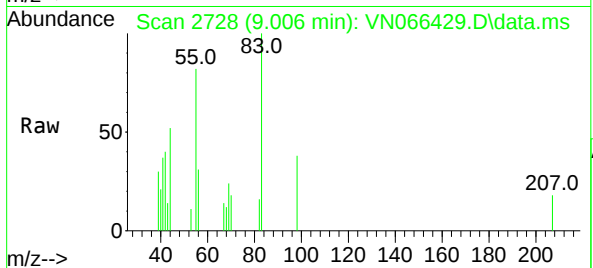
Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT1-2021

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 3125  |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 81.5     | 62.3 93.5   |
| 98 38.5     | 35.6 53.4   |



#40

Benzene

Concen: 0.59 ug/l

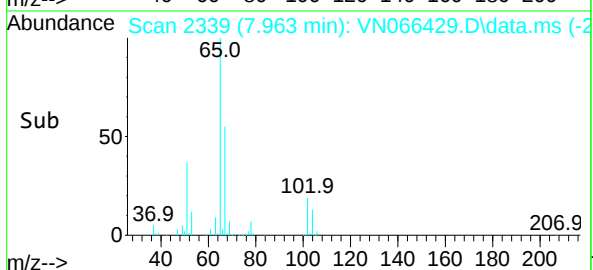
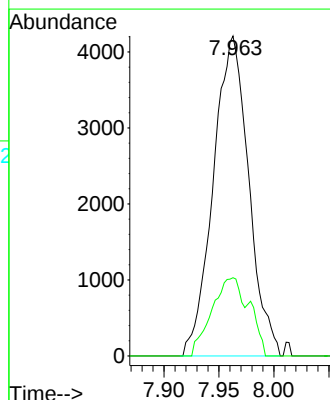
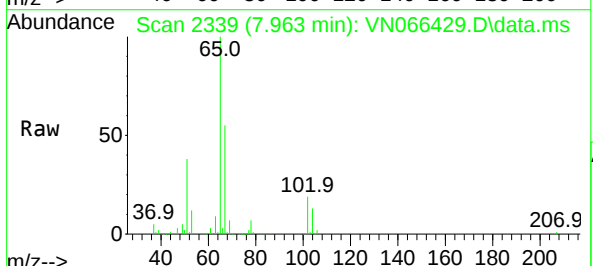
RT: 7.963 min Scan# 2339

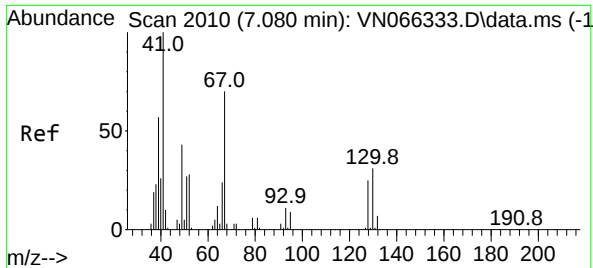
Delta R.T. 0.000 min

Lab File: VN066429.D

Acq: 30 Mar 2021 18:52

|             |             |
|-------------|-------------|
| Tgt Ion: 78 | Resp: 9446  |
| Ion Ratio   | Lower Upper |
| 78 100      |             |
| 77 24.5     | 18.7 28.1   |

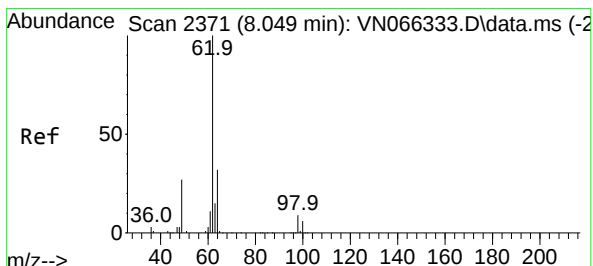
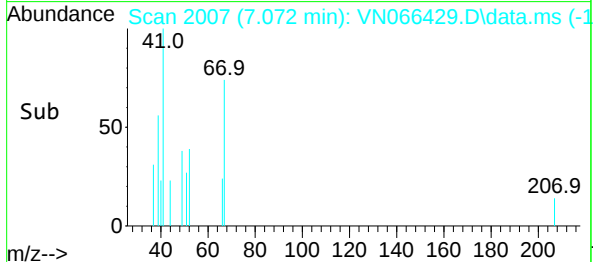
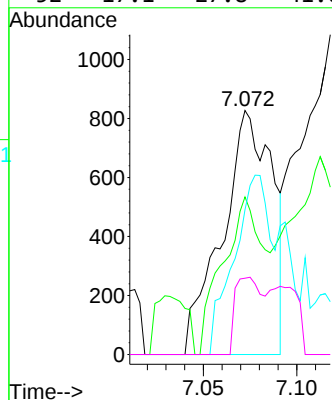
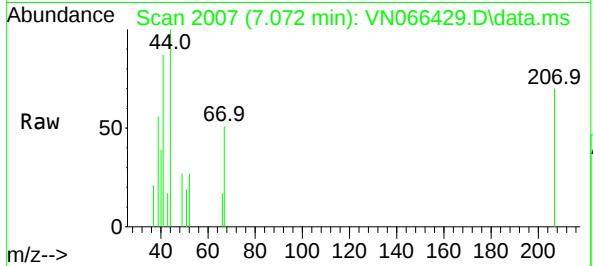




#41  
Methacrylonitrile  
Concen: 0.53 ug/l  
RT: 7.072 min Scan# 2007  
Delta R.T. -0.008 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

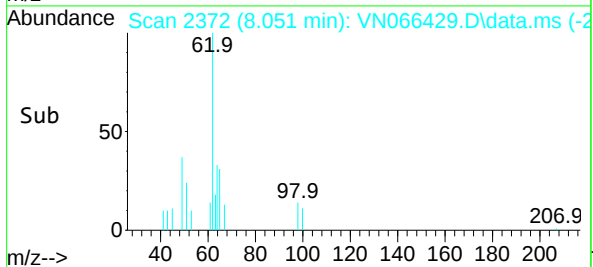
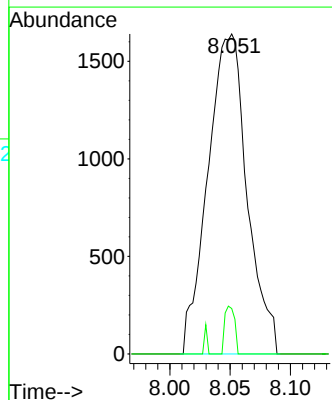
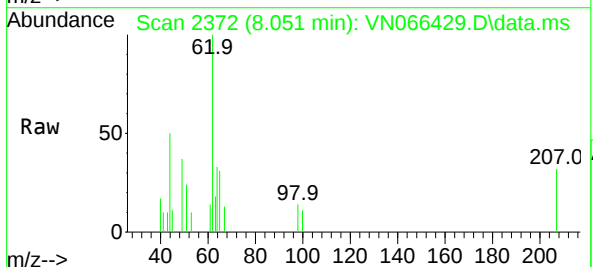
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

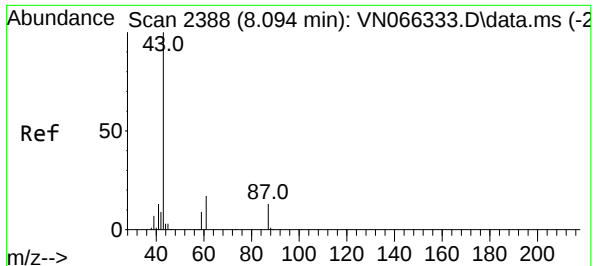
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 1544  |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 52.1     | 51.7 77.5   |
| 67 53.6     | 68.5 102.7# |
| 52 17.1     | 27.8 41.6#  |



#42  
1,2-Dichloroethane  
Concen: 0.65 ug/l  
RT: 8.051 min Scan# 2372  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 3726  |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 3.7      | 0.0 17.6    |



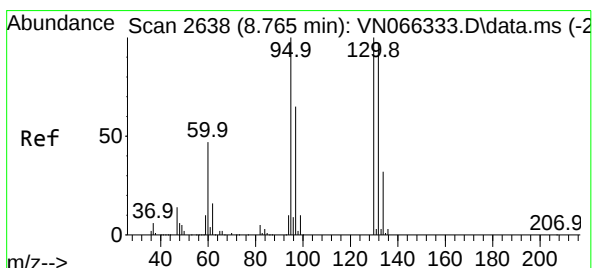
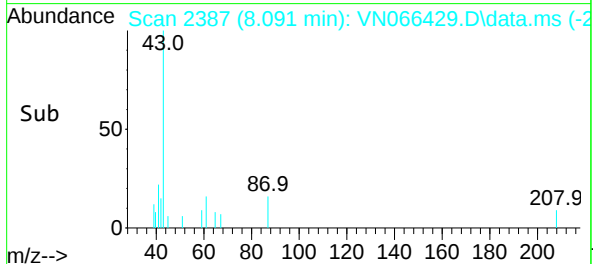
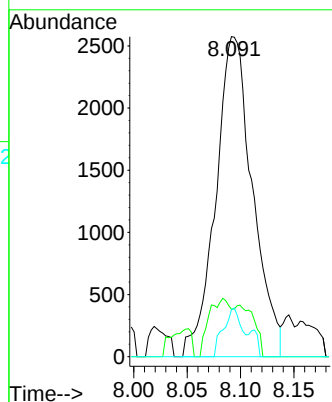
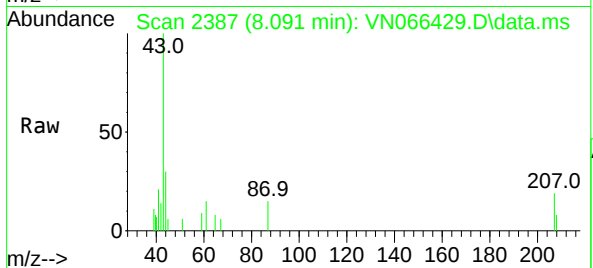


#43

Isopropyl Acetate  
Concen: 0.62 ug/l  
RT: 8.091 min Scan# 2387  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

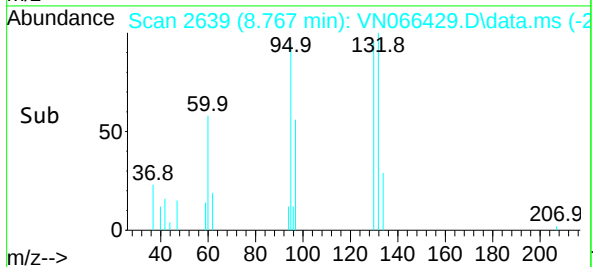
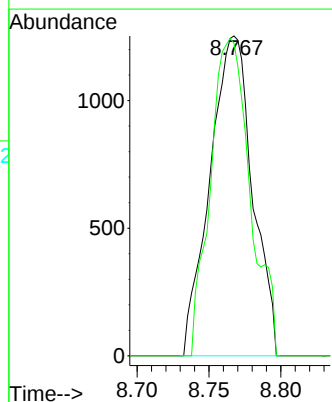
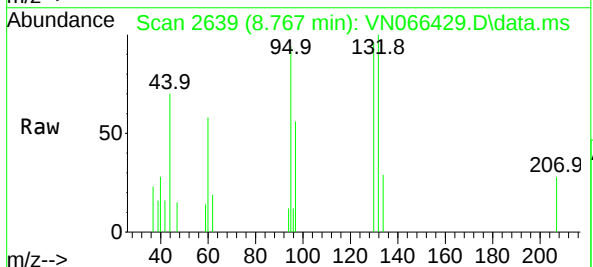
Tgt Ion: 43 Resp: 6165  
Ion Ratio Lower Upper  
43 100  
61 10.7 15.5 23.3#  
87 7.4 10.5 15.7#

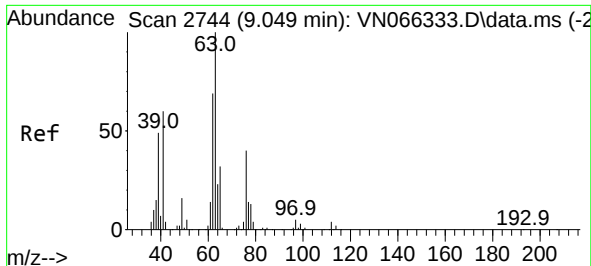


#44

Trichloroethene  
Concen: 0.61 ug/l  
RT: 8.767 min Scan# 2639  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 130 Resp: 2587  
Ion Ratio Lower Upper  
130 100  
95 97.8 0.0 200.6





#45

1,2-Dichloropropane

Concen: 0.58 ug/l

RT: 9.052 min Scan# 2745

Delta R.T. 0.003 min

Lab File: VN066429.D

Acq: 30 Mar 2021 18:52

Tgt Ion: 63 Resp: 2487

Ion Ratio Lower Upper

63 100

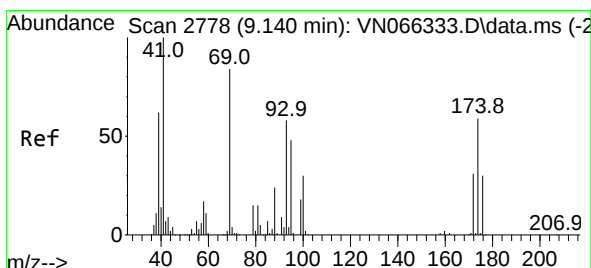
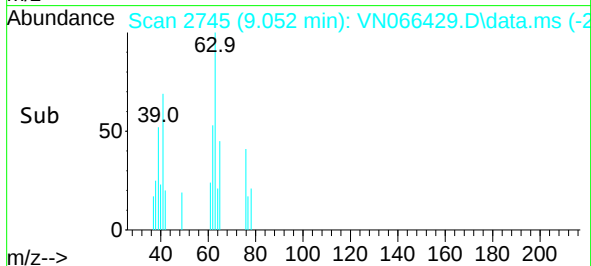
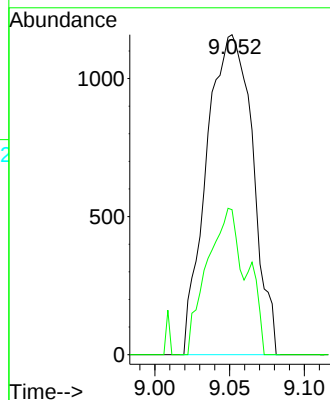
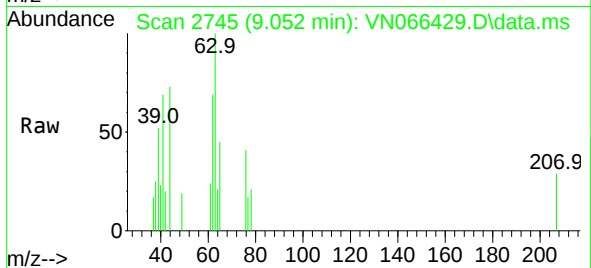
65 45.3 25.5 38.3#

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT1-2021



#46

Dibromomethane

Concen: 0.55 ug/l

RT: 9.135 min Scan# 2776

Delta R.T. -0.005 min

Lab File: VN066429.D

Acq: 30 Mar 2021 18:52

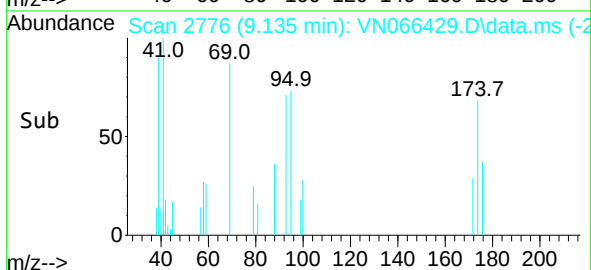
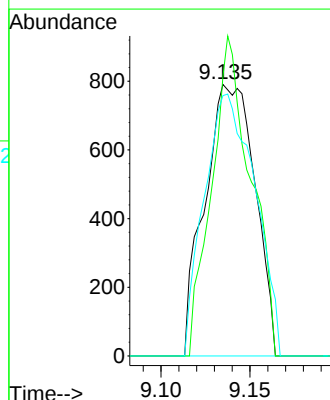
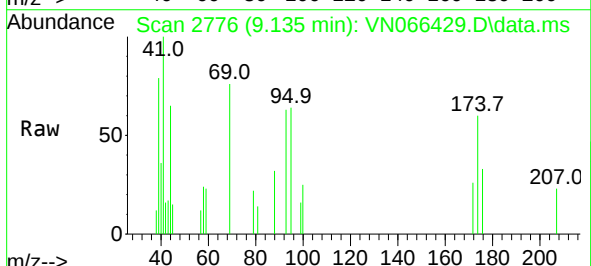
Tgt Ion: 93 Resp: 1550

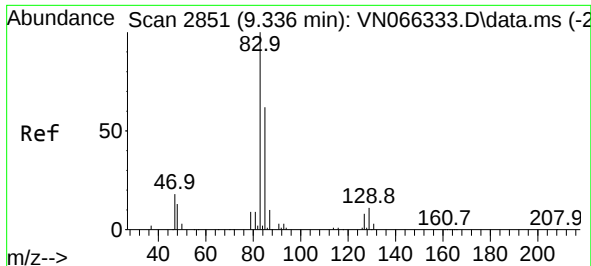
Ion Ratio Lower Upper

93 100

95 91.6 66.8 100.2

174 97.9 83.2 124.8

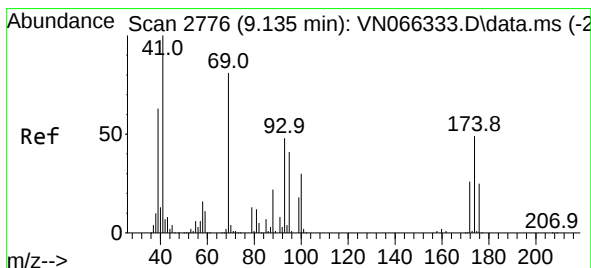
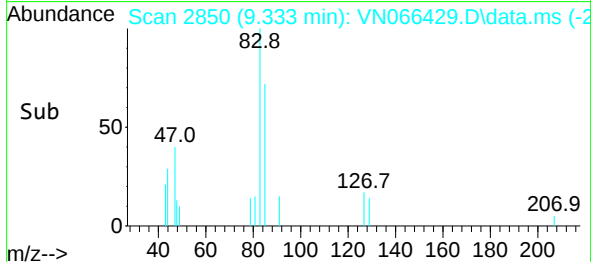
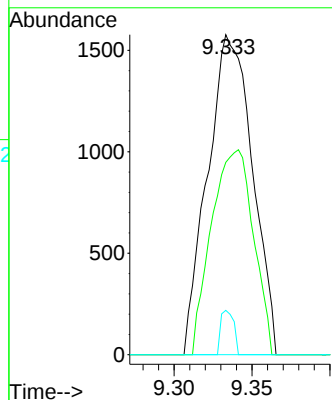
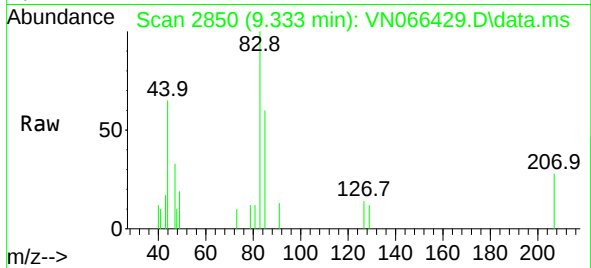




#47  
Bromodichloromethane  
Concen: 0.55 ug/l  
RT: 9.333 min Scan# 2850  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

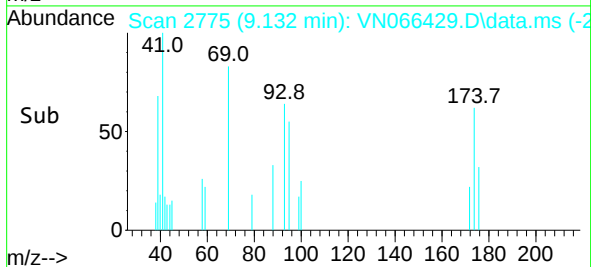
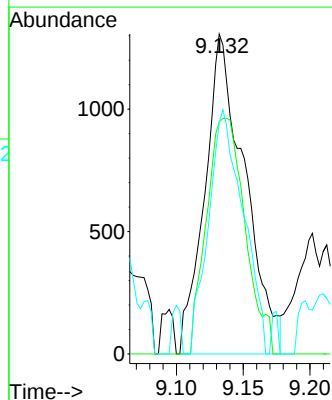
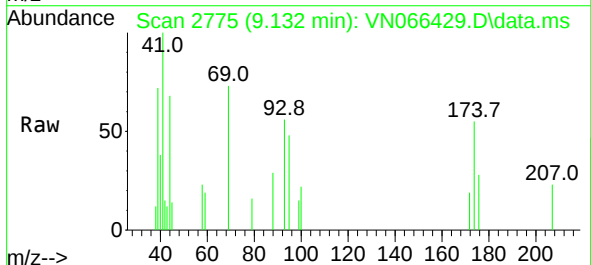
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

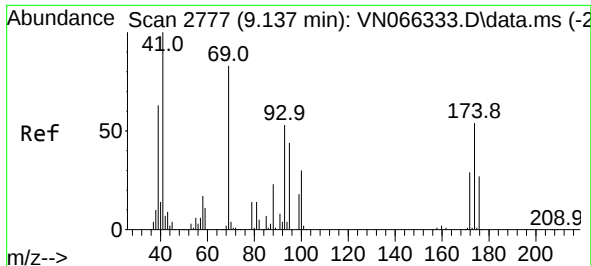
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 3156  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 60.1  | 49.4  | 74.2  |
| 127      | 13.9  | 6.7   | 10.1  |



#48  
Methyl methacrylate  
Concen: 0.57 ug/l  
RT: 9.132 min Scan# 2775  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 2716  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 71.2  | 66.2  | 99.4  |
| 39       | 66.6  | 51.5  | 77.3  |

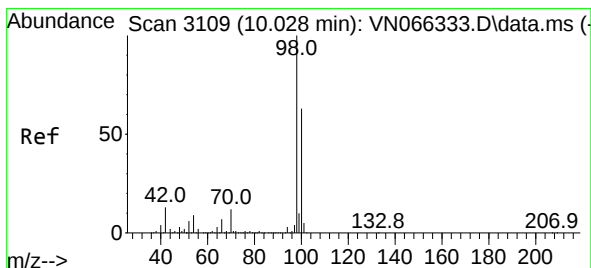
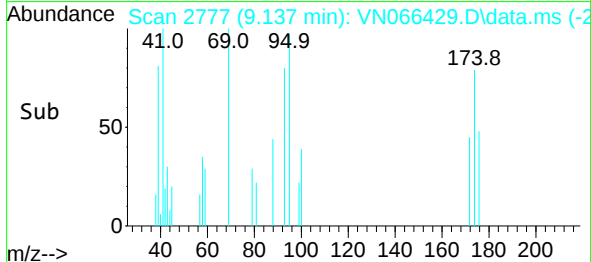
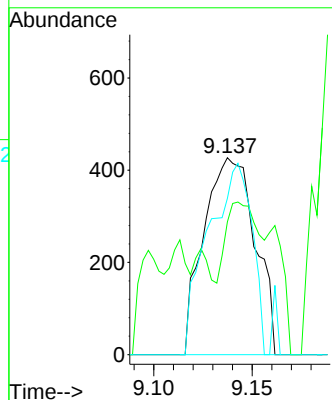
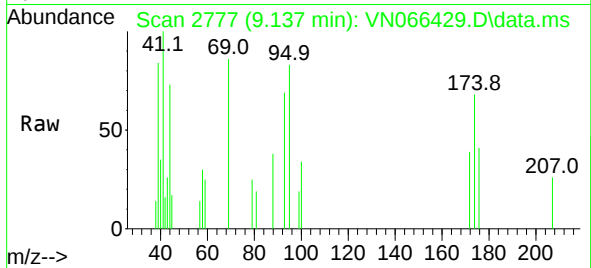




#49  
1,4-Dioxane  
Concen: 12.95 ug/l  
RT: 9.137 min Scan# 2777  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

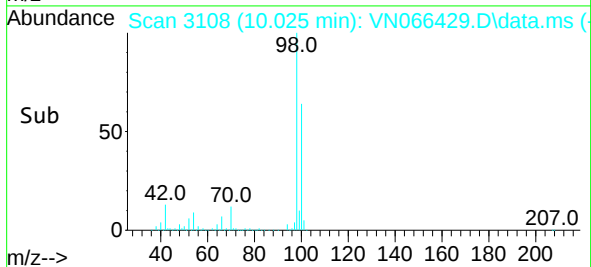
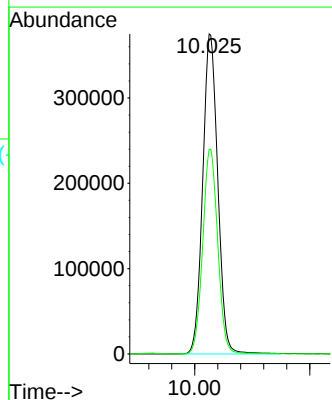
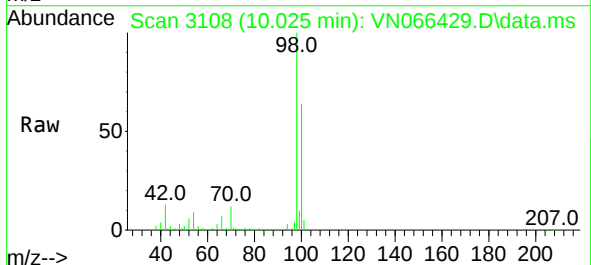
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

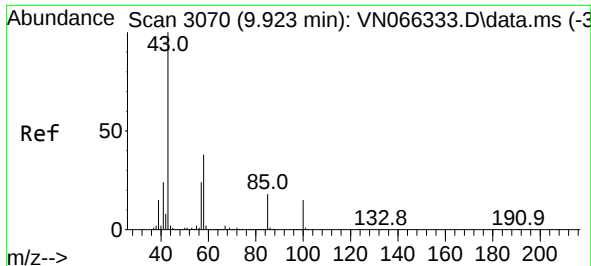
Tgt Ion: 88 Resp: 774  
Ion Ratio Lower Upper  
88 100  
43 25.1 28.2 42.4#  
58 83.1 56.6 84.8



#50  
Toluene-d8  
Concen: 48.00 ug/l  
RT: 10.025 min Scan# 3108  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 98 Resp: 682257  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.5 75.7

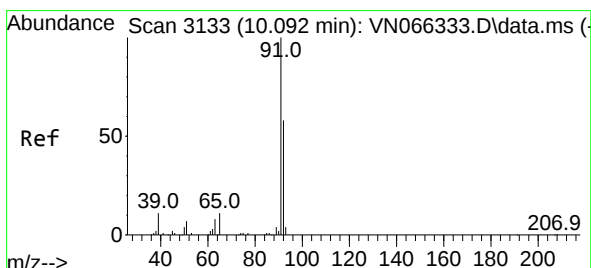
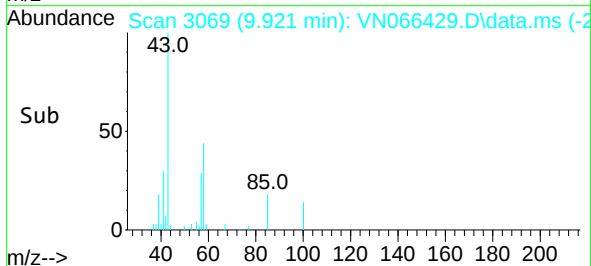
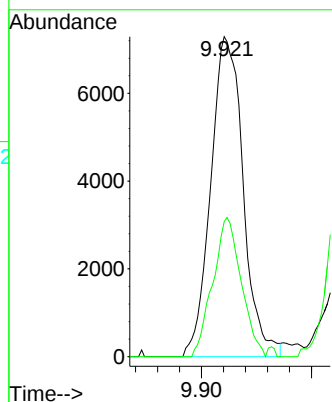
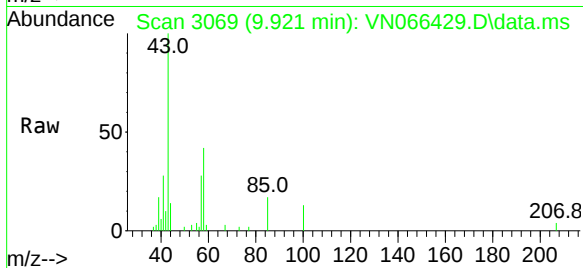




#51  
4-Methyl-2-Pentanone  
Concen: 2.56 ug/l  
RT: 9.921 min Scan# 3069  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

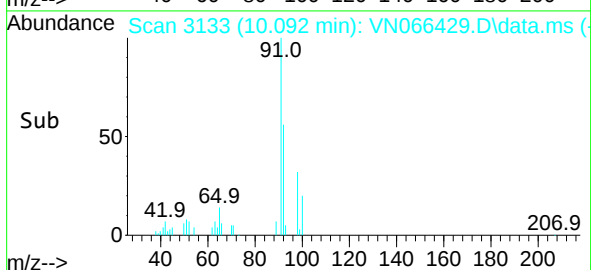
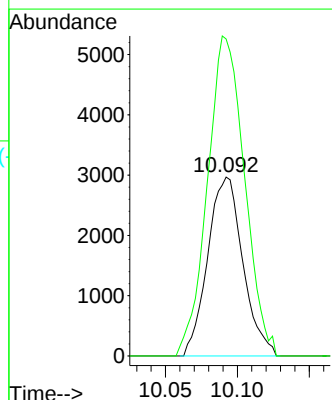
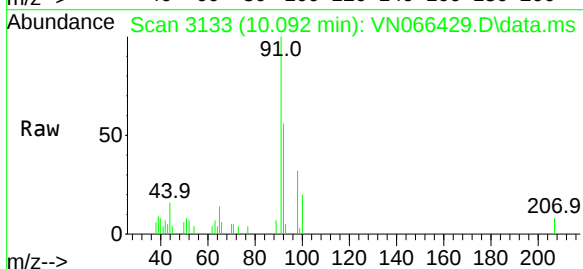
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

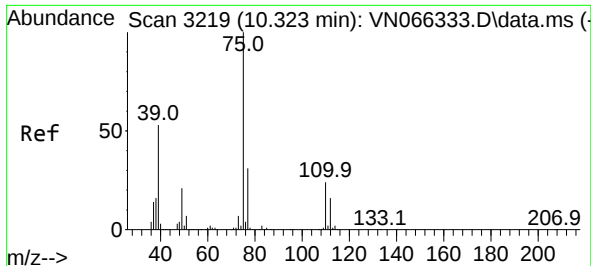
Tgt Ion: 43 Resp: 14920  
Ion Ratio Lower Upper  
43 100  
58 38.1 30.8 46.2



#52  
Toluene  
Concen: 0.51 ug/l  
RT: 10.092 min Scan# 3133  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 92 Resp: 5039  
Ion Ratio Lower Upper  
92 100  
91 188.6 138.8 208.2

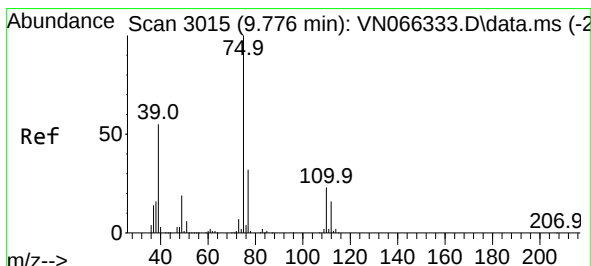
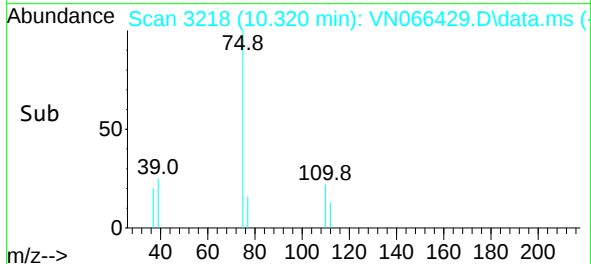
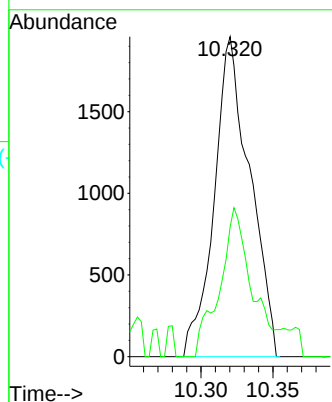
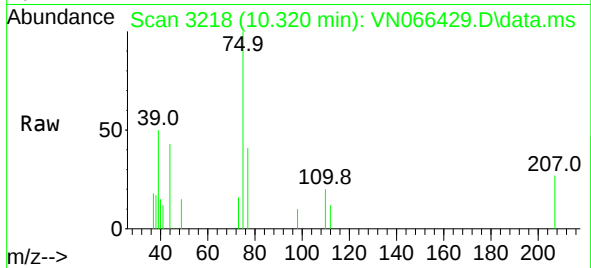




#53  
t-1,3-Dichloropropene  
Concen: 0.54 ug/l  
RT: 10.320 min Scan# 3218  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

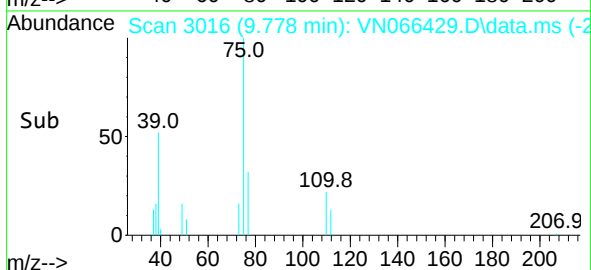
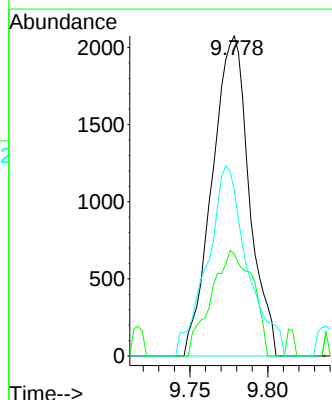
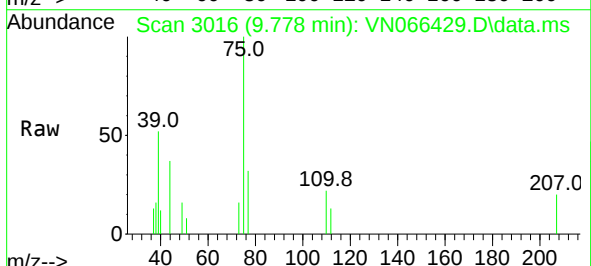
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

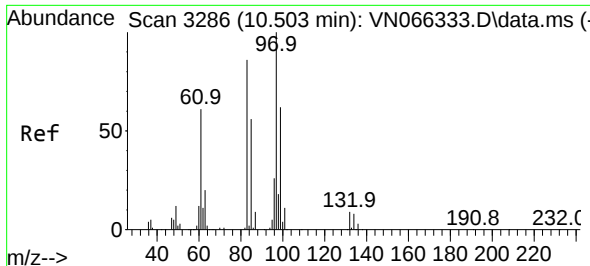
Tgt Ion: 75 Resp: 3370  
Ion Ratio Lower Upper  
75 100  
77 40.5 25.0 37.6#



#54  
cis-1,3-Dichloropropene  
Concen: 0.51 ug/l  
RT: 9.778 min Scan# 3016  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 75 Resp: 3422  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.4 38.2  
39 44.5 44.2 66.4



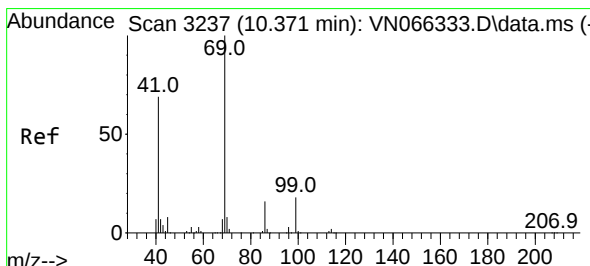
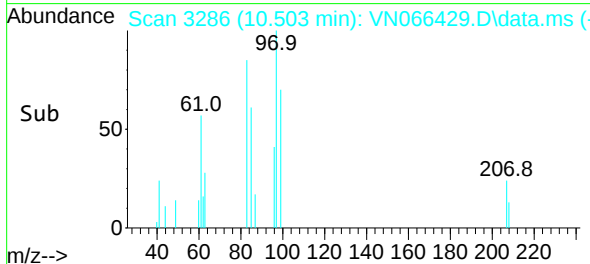
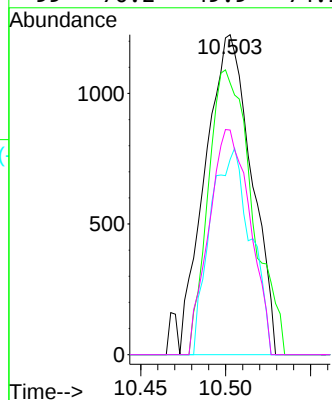
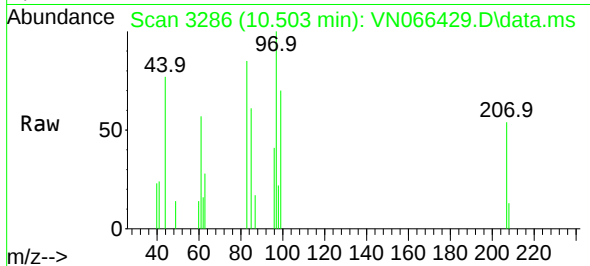


#55  
1,1,2-Trichloroethane  
Concen: 0.59 ug/l  
RT: 10.503 min Scan# 3286  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

Tgt Ion: 97 Resp: 2321

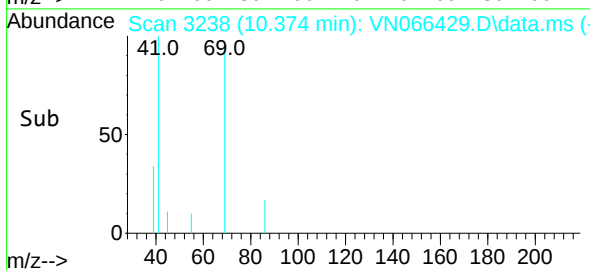
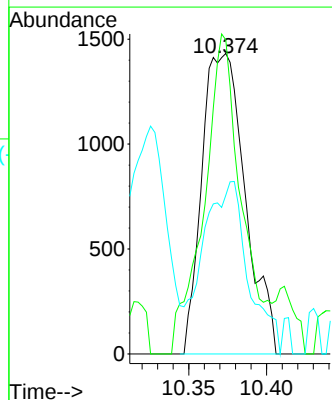
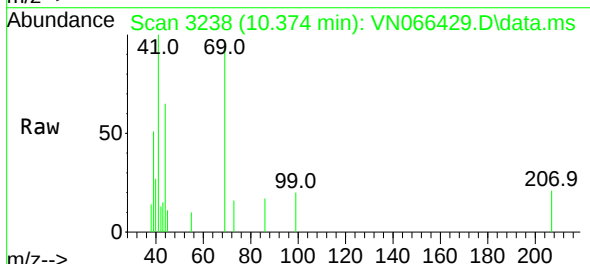
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 84.9  | 68.9  | 103.3 |
| 85  | 61.0  | 45.1  | 67.7  |
| 99  | 70.2  | 49.9  | 74.9  |

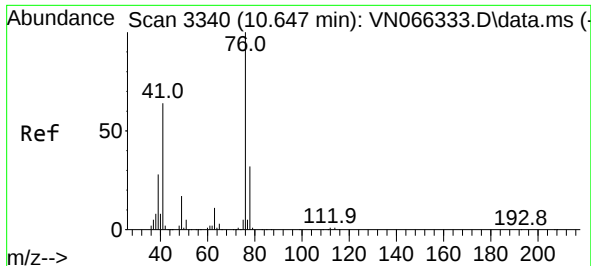


#56  
Ethyl methacrylate  
Concen: 0.46 ug/l  
RT: 10.374 min Scan# 3238  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 69 Resp: 2770

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 92.4  | 55.3  | 82.9# |
| 39  | 59.3  | 33.8  | 50.6# |





#57

1,3-Dichloropropane

Concen: 0.55 ug/l

RT: 10.645 min Scan# 3339

Delta R.T. -0.003 min

Lab File: VN066429.D

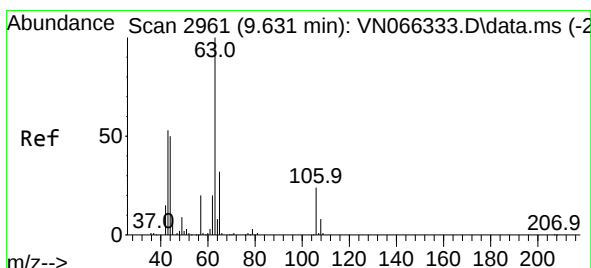
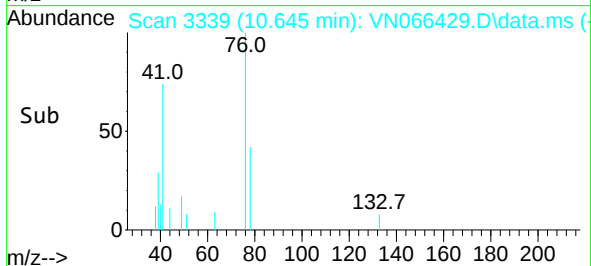
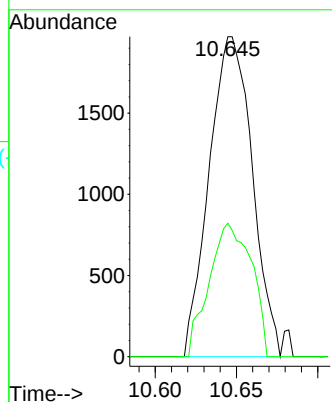
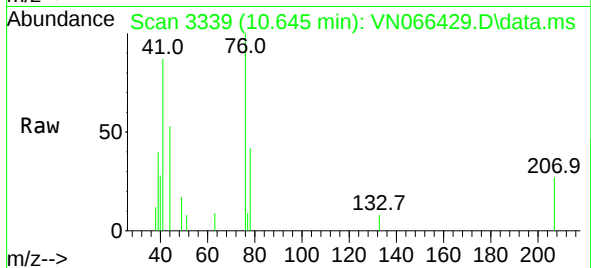
Acq: 30 Mar 2021 18:52

Tgt Ion: 76 Resp: 3637

Ion Ratio Lower Upper

76 100

78 40.9 25.9 38.9#



#58

2-Chloroethyl Vinyl ether

Concen: 1.32 ug/l

RT: 9.636 min Scan# 2963

Delta R.T. 0.005 min

Lab File: VN066429.D

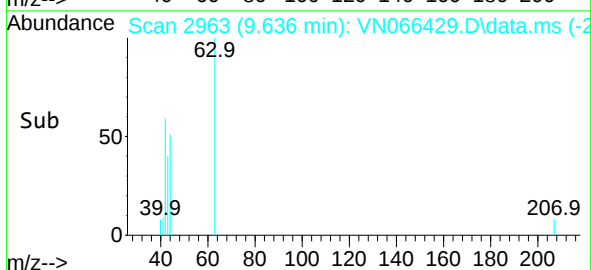
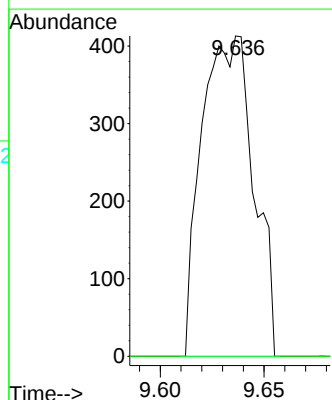
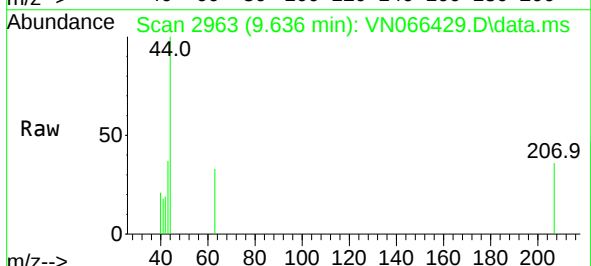
Acq: 30 Mar 2021 18:52

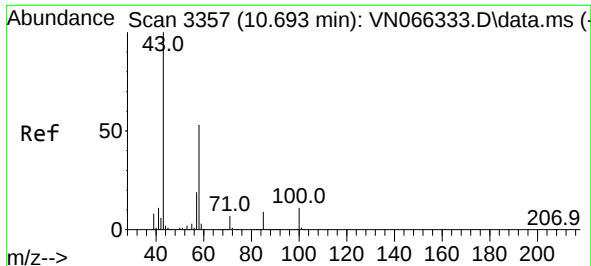
Tgt Ion: 63 Resp: 718

Ion Ratio Lower Upper

63 100

106 0.0 21.0 31.4#

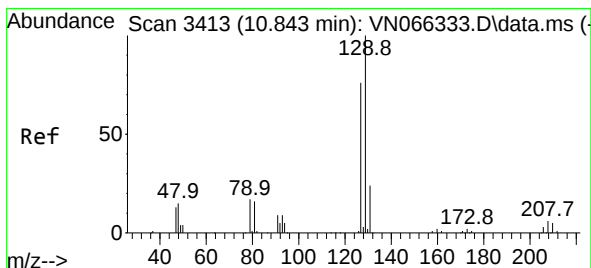
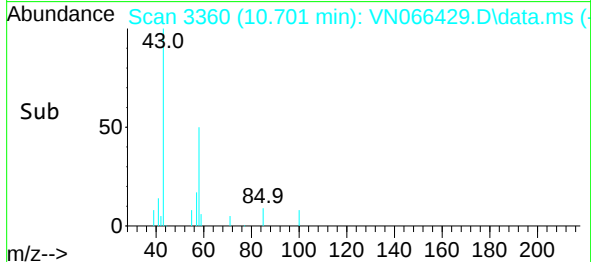
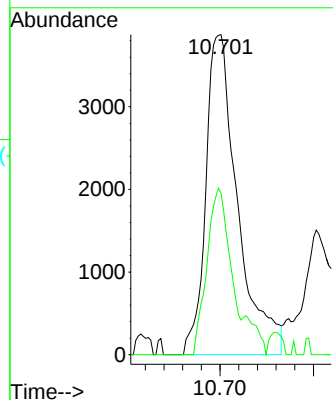
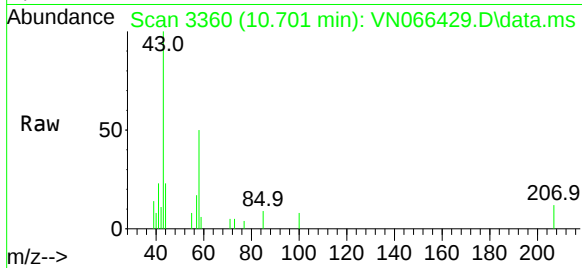




#59  
2-Hexanone  
Concen: 2.24 ug/l  
RT: 10.701 min Scan# 3360  
Delta R.T. 0.008 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

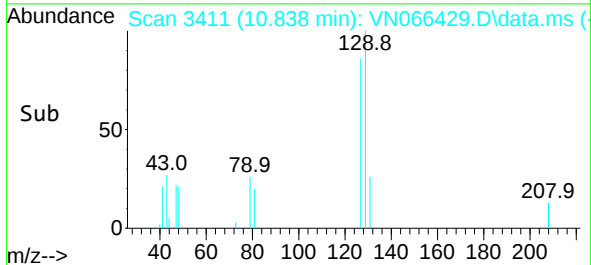
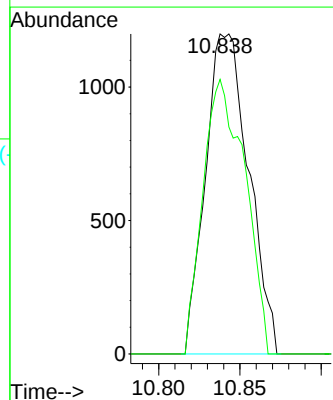
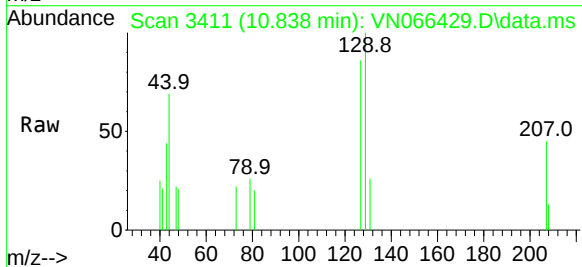
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

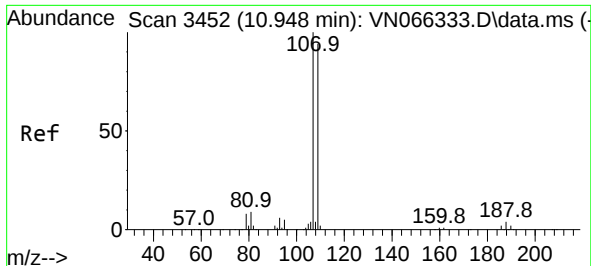
Tgt Ion: 43 Resp: 9177  
Ion Ratio Lower Upper  
43 100  
58 37.8 26.6 79.8



#60  
Dibromochloromethane  
Concen: 0.50 ug/l  
RT: 10.838 min Scan# 3411  
Delta R.T. -0.005 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 129 Resp: 2217  
Ion Ratio Lower Upper  
129 100  
127 83.3 38.5 115.5

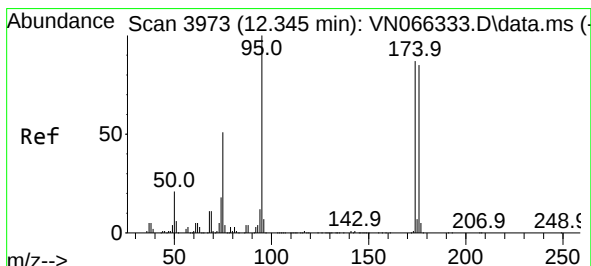
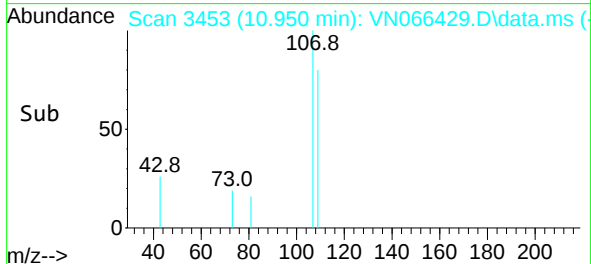
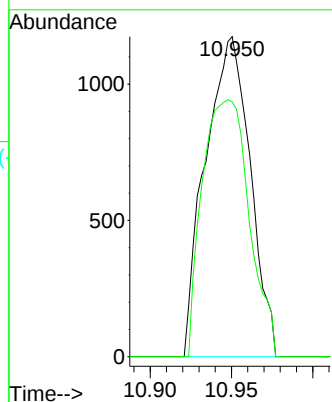
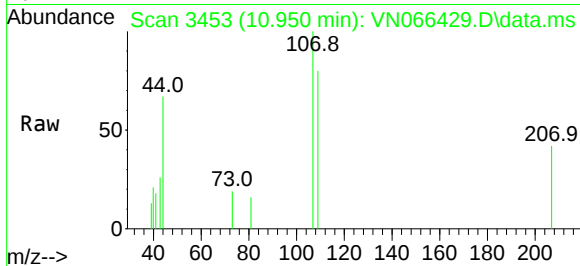




#61  
1,2-Dibromoethane  
Concen: 0.54 ug/l  
RT: 10.950 min Scan# 3453  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

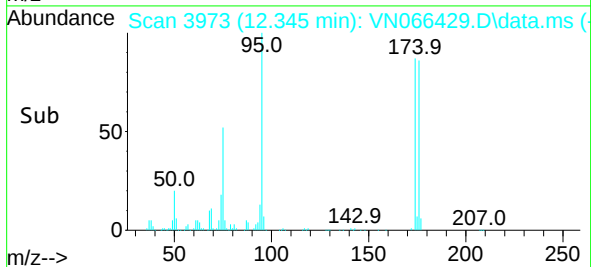
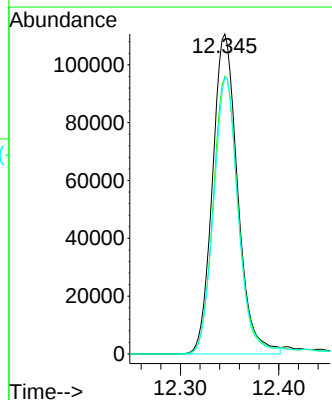
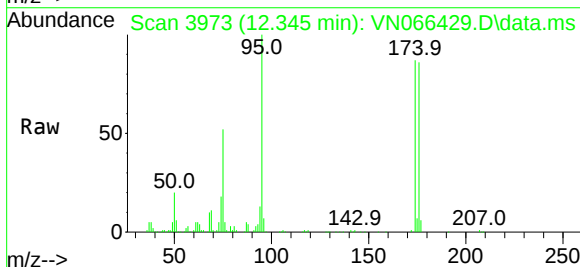
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

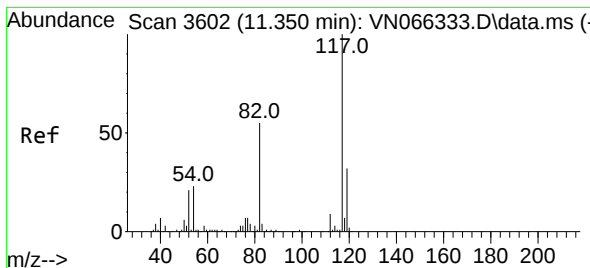
Tgt Ion:107 Resp: 2243  
Ion Ratio Lower Upper  
107 100  
109 84.3 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 39.93 ug/l  
RT: 12.345 min Scan# 3973  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 95 Resp: 197145  
Ion Ratio Lower Upper  
95 100  
174 86.4 0.0 172.2  
176 84.0 0.0 167.8

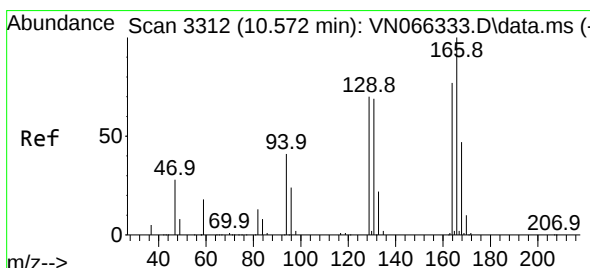
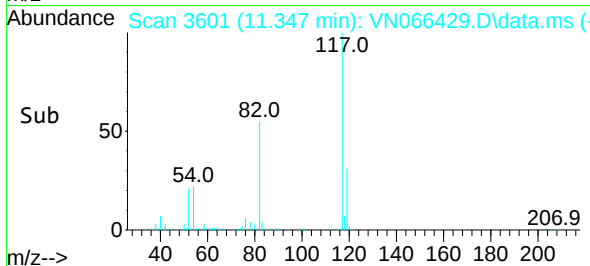
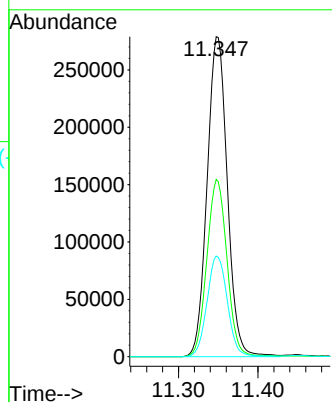
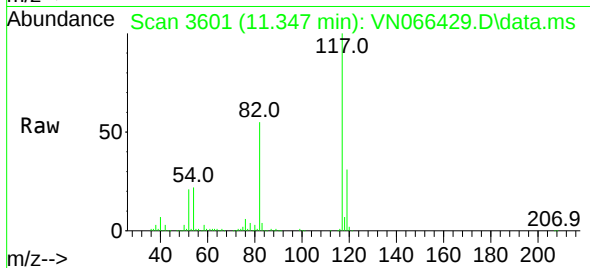




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.347 min Scan# 3601  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

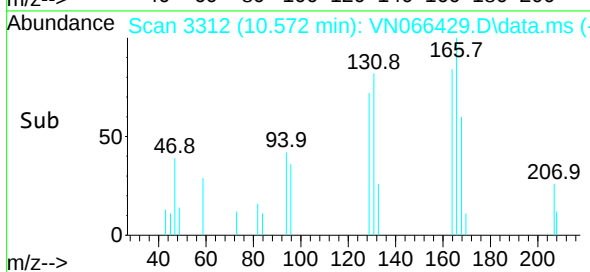
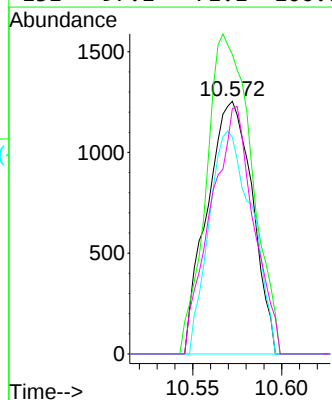
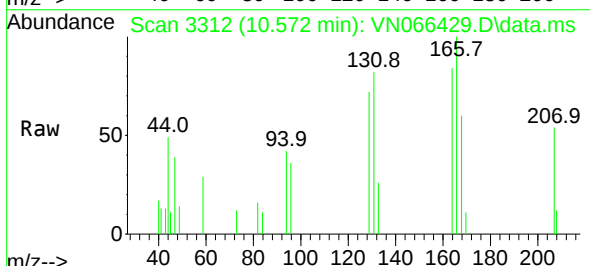
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

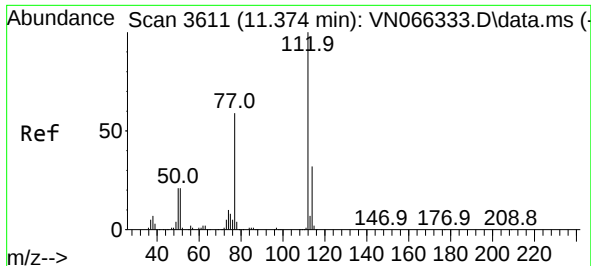
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 492853 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 55.4  | 44.2  | 66.4   |
| 119      | 31.5  | 25.8  | 38.6   |



#64  
Tetrachloroethene  
Concen: 0.53 ug/l  
RT: 10.572 min Scan# 3312  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 2215  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 118.6 | 103.3 | 154.9 |
| 129      | 85.7  | 72.5  | 108.7 |
| 131      | 97.1  | 71.1  | 106.7 |

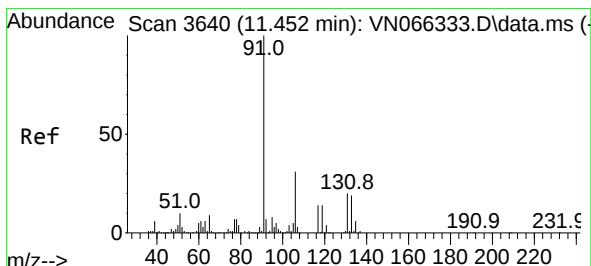
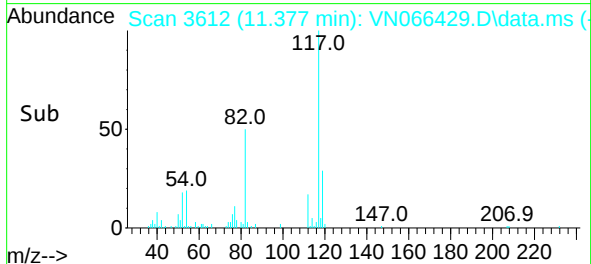
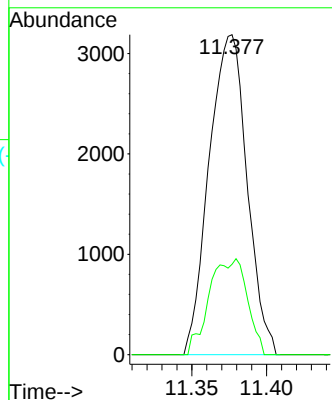
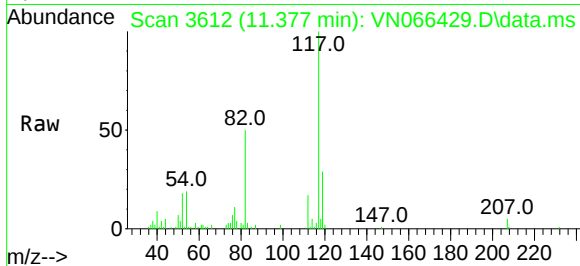




#65  
Chlorobenzene  
Concen: 0.57 ug/l  
RT: 11.377 min Scan# 3612  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

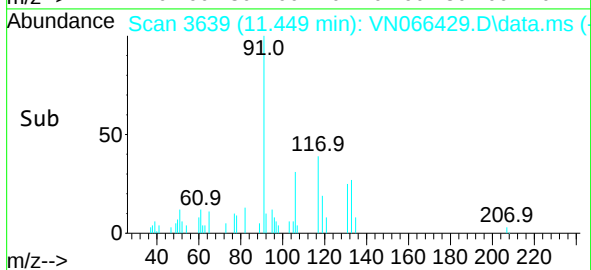
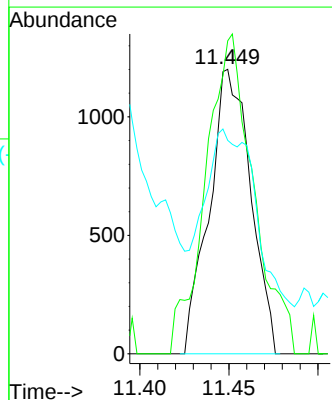
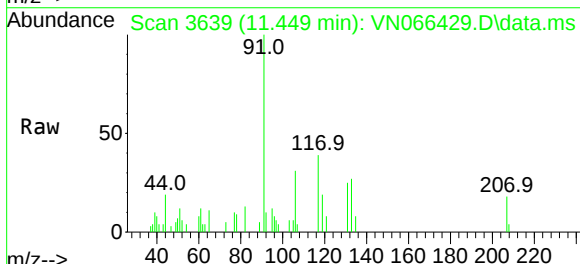
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

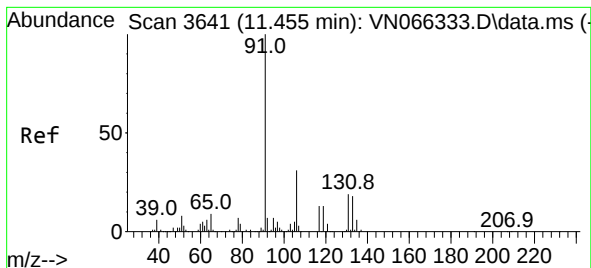
Tgt Ion:112 Resp: 5630  
Ion Ratio Lower Upper  
112 100  
114 28.3 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 0.51 ug/l  
RT: 11.449 min Scan# 3639  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion:131 Resp: 1940  
Ion Ratio Lower Upper  
131 100  
133 129.1 47.6 142.8  
119 0.0 33.6 100.6#

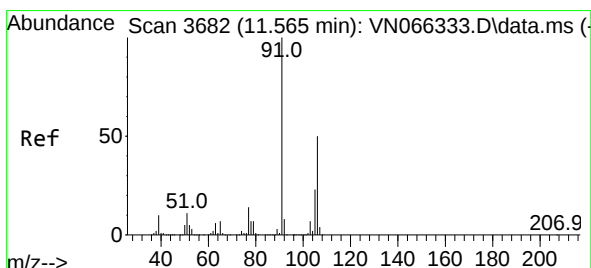
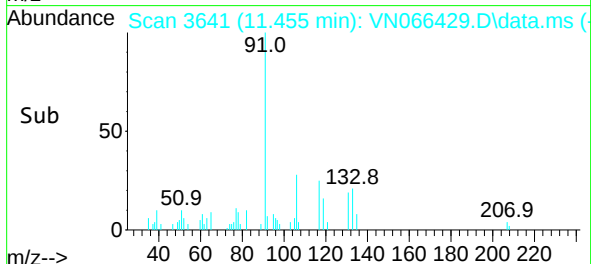
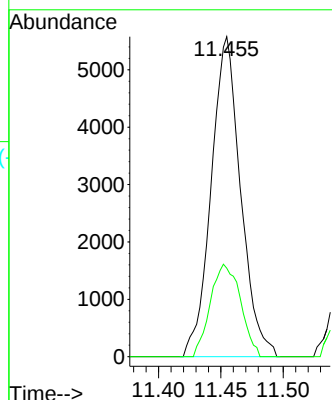
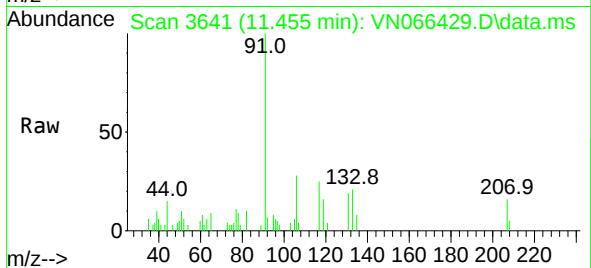




#67  
Ethyl Benzene  
Concen: 0.51 ug/l  
RT: 11.455 min Scan# 3641  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

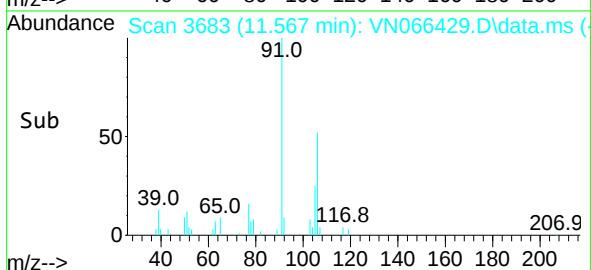
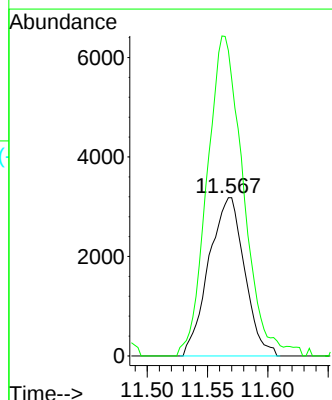
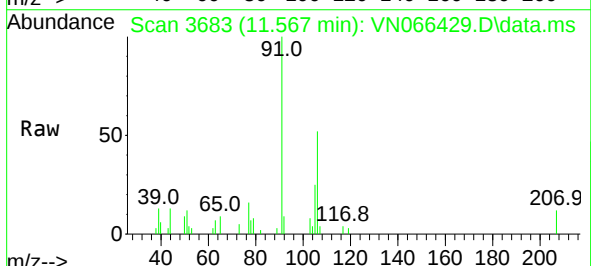
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

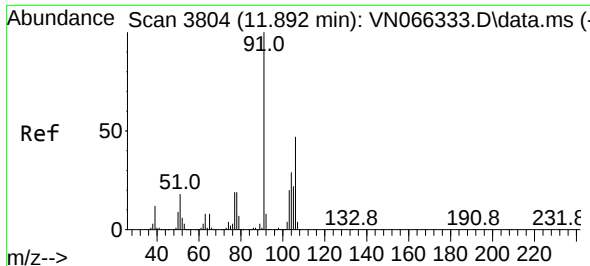
Tgt Ion: 91 Resp: 9172  
Ion Ratio Lower Upper  
91 100  
106 27.7 24.7 37.1



#68  
m/p-Xylenes  
Concen: 0.97 ug/l  
RT: 11.567 min Scan# 3683  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 106 Resp: 6564  
Ion Ratio Lower Upper  
106 100  
91 204.5 162.7 244.1

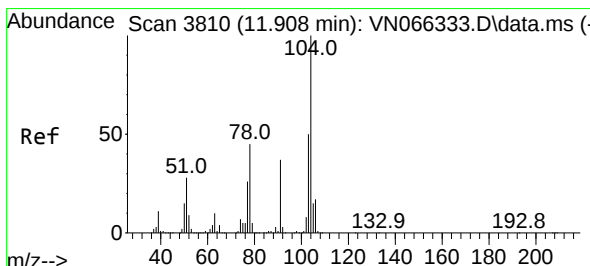
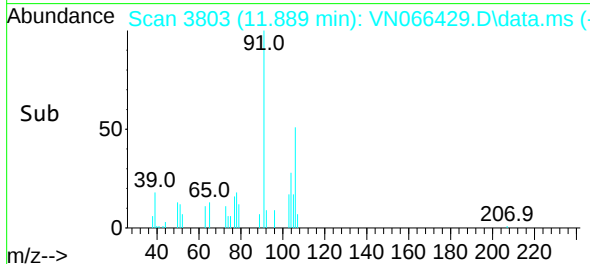
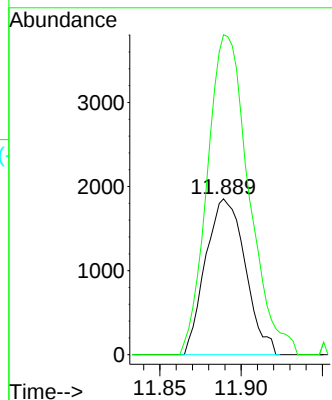
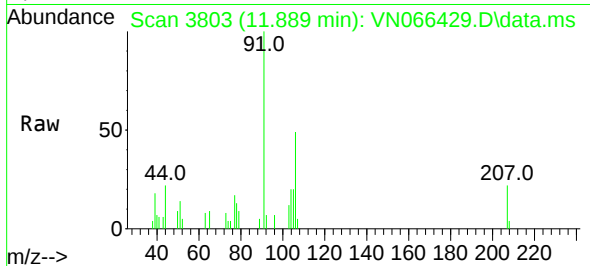




#69  
o-Xylene  
Concen: 0.48 ug/l  
RT: 11.889 min Scan# 3803  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

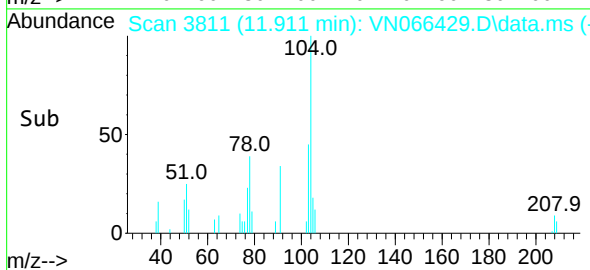
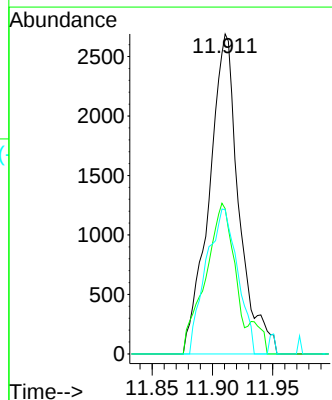
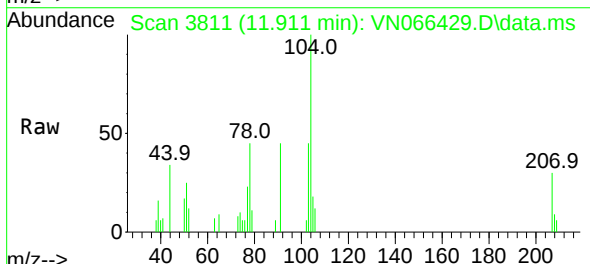
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

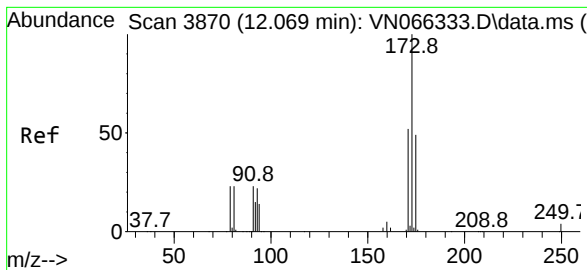
Tgt Ion:106 Resp: 3150  
Ion Ratio Lower Upper  
106 100  
91 215.1 107.1 321.4



#70  
Styrene  
Concen: 0.44 ug/l  
RT: 11.911 min Scan# 3811  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion:104 Resp: 4638  
Ion Ratio Lower Upper  
104 100  
78 46.2 40.7 61.1  
103 47.8 44.2 66.2

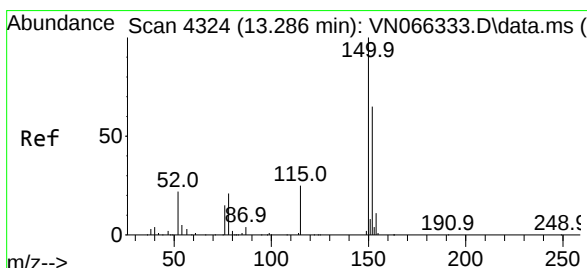
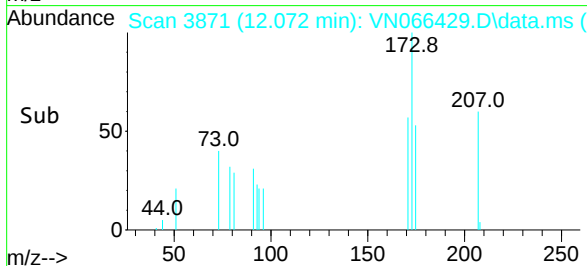
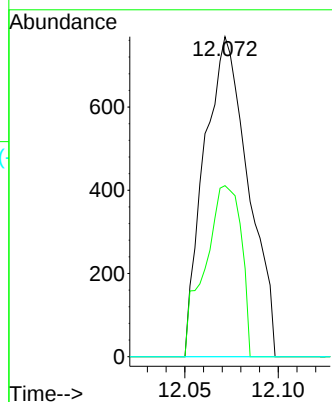
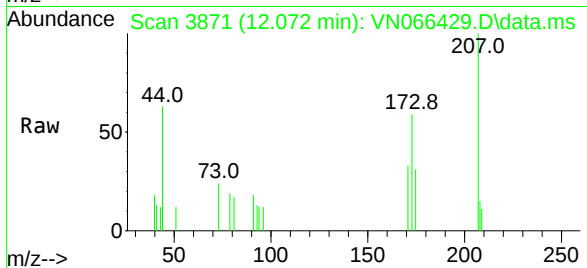




#71  
Bromoform  
Concen: 0.40 ug/l  
RT: 12.072 min Scan# 3871  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

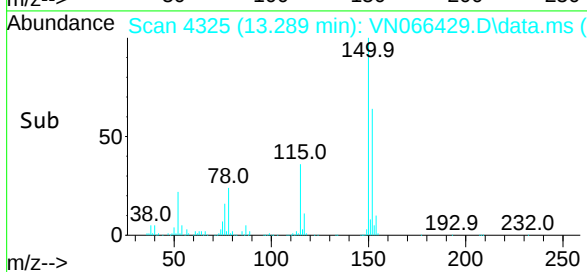
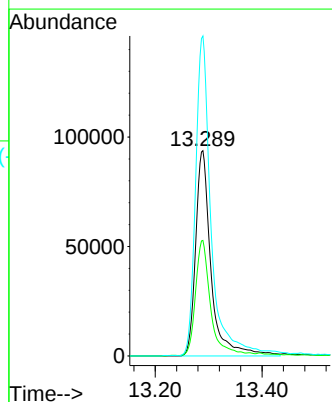
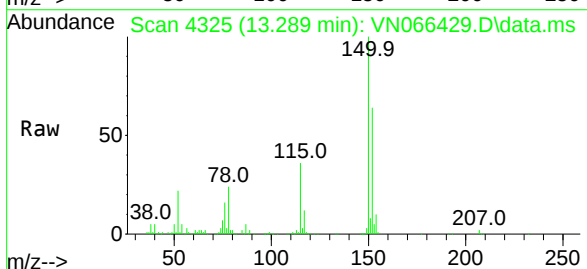
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

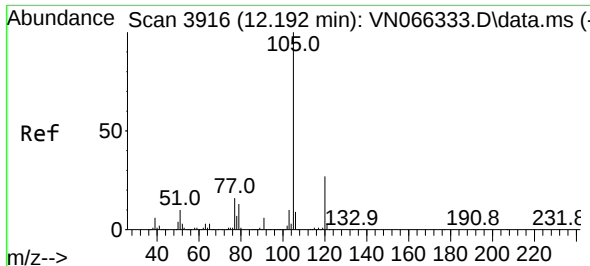
Tgt Ion:173 Resp: 1259  
Ion Ratio Lower Upper  
173 100  
175 43.8 24.3 72.8  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.289 min Scan# 4325  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion:152 Resp: 189777  
Ion Ratio Lower Upper  
152 100  
115 53.7 27.8 83.4  
150 154.5 0.0 348.4

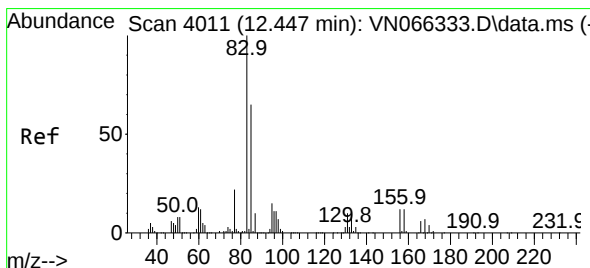
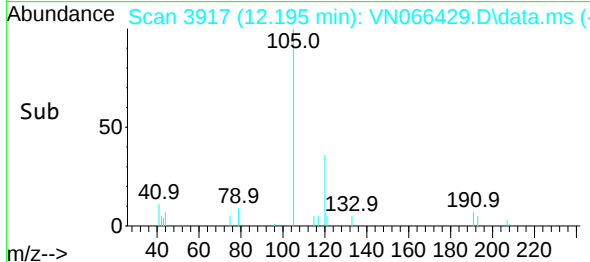
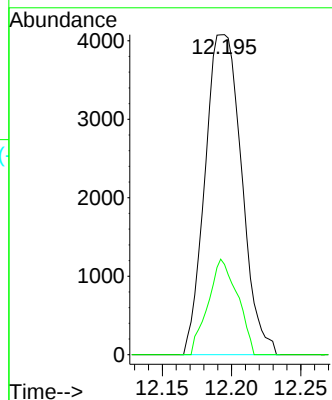
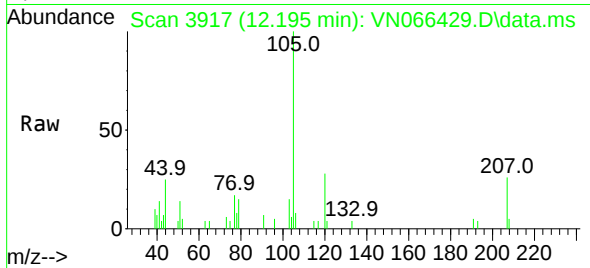




#73  
Isopropylbenzene  
Concen: 0.53 ug/l  
RT: 12.195 min Scan# 3917  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

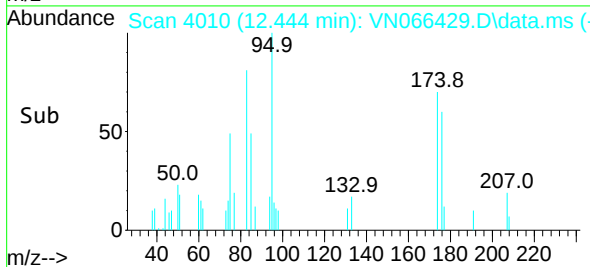
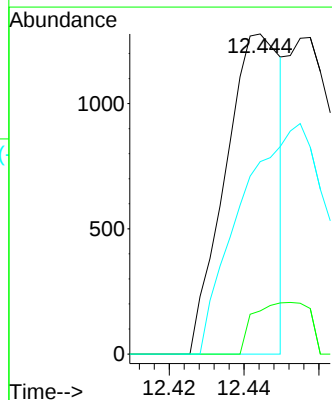
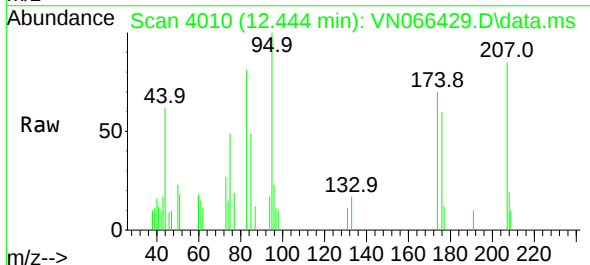
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

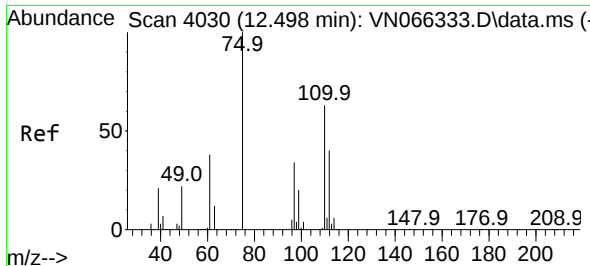
Tgt Ion:105 Resp: 7489  
Ion Ratio Lower Upper  
105 100  
120 24.0 13.3 39.8



#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.29 ug/l  
RT: 12.444 min Scan# 4010  
Delta R.T. -0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 83 Resp: 1307  
Ion Ratio Lower Upper  
83 100  
131 16.2 5.0 15.0#  
85 126.2 33.8 101.3#

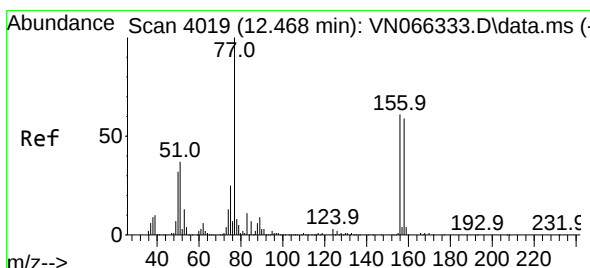
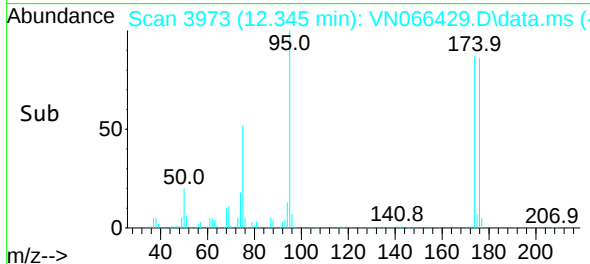
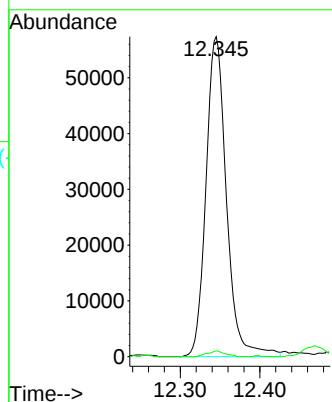
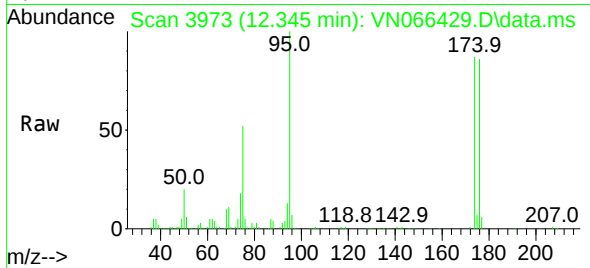




#76  
1,2,3-Trichloropropane  
Concen: 24.69 ug/l  
RT: 12.345 min Scan# 3973  
Delta R.T. -0.153 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

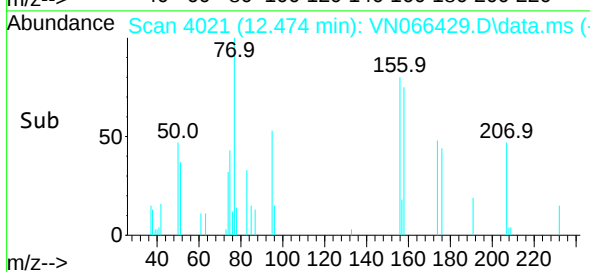
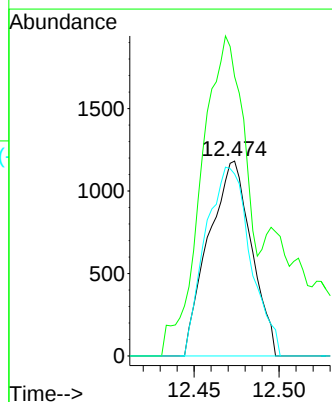
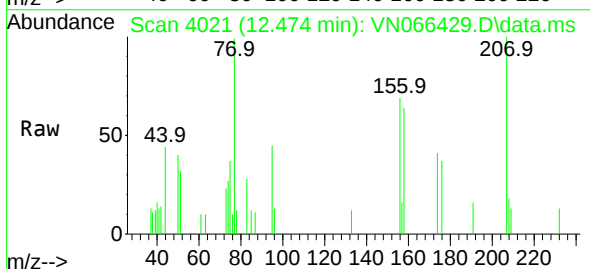
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

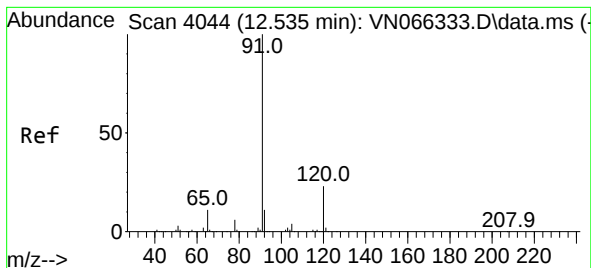
Tgt Ion: 75 Resp: 102800  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#



#77  
Bromobenzene  
Concen: 0.58 ug/l  
RT: 12.474 min Scan# 4021  
Delta R.T. 0.005 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 156 Resp: 2072  
Ion Ratio Lower Upper  
156 100  
77 170.0 99.7 299.1  
158 101.8 48.8 146.3





#78

n-propylbenzene

Concen: 0.42 ug/l

RT: 12.538 min Scan# 4045

Delta R.T. 0.003 min

Lab File: VN066429.D

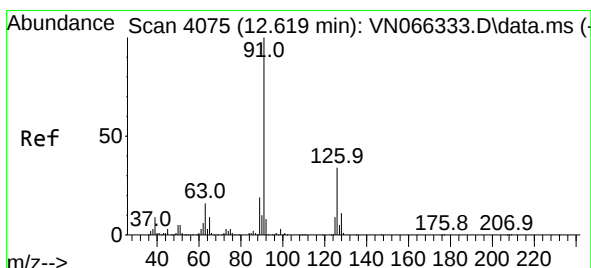
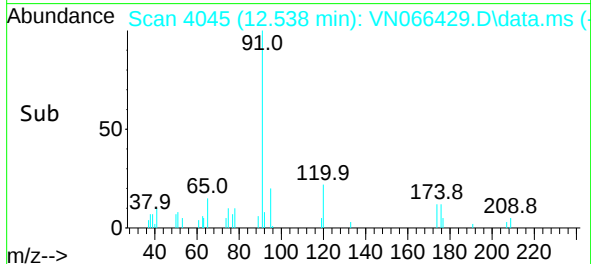
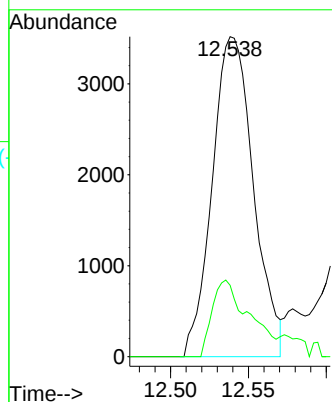
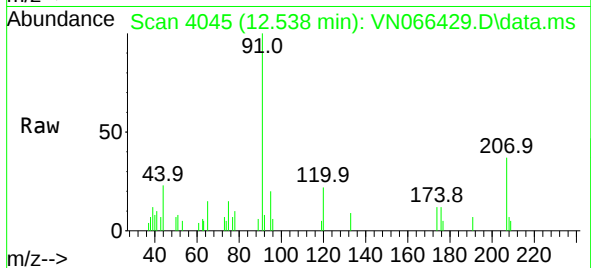
Acq: 30 Mar 2021 18:52

Tgt Ion: 91 Resp: 6482

Ion Ratio Lower Upper

91 100

120 21.6 11.7 35.1



#79

2-Chlorotoluene

Concen: 0.43 ug/l

RT: 12.624 min Scan# 4077

Delta R.T. 0.005 min

Lab File: VN066429.D

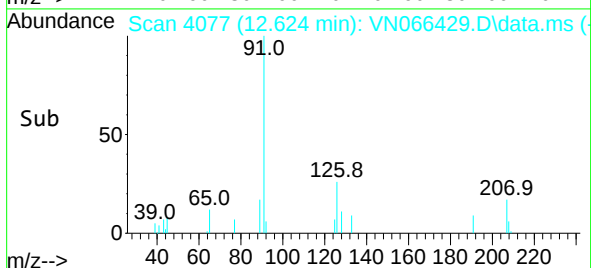
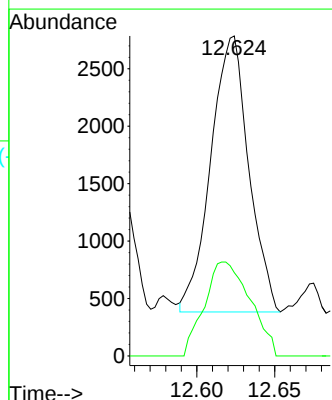
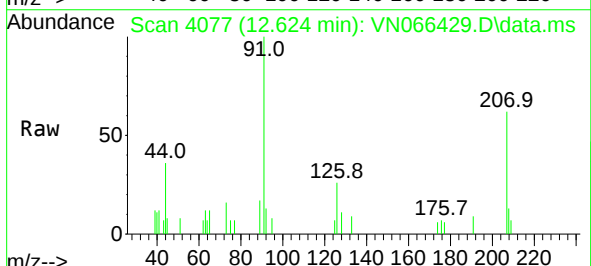
Acq: 30 Mar 2021 18:52

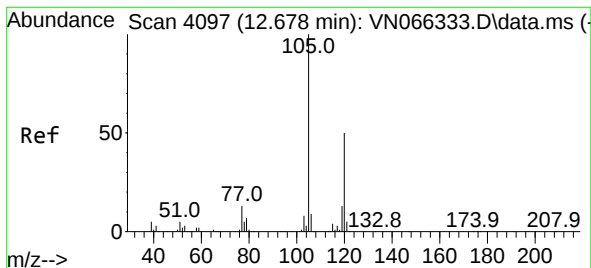
Tgt Ion: 91 Resp: 4074

Ion Ratio Lower Upper

91 100

126 41.0 17.2 51.5

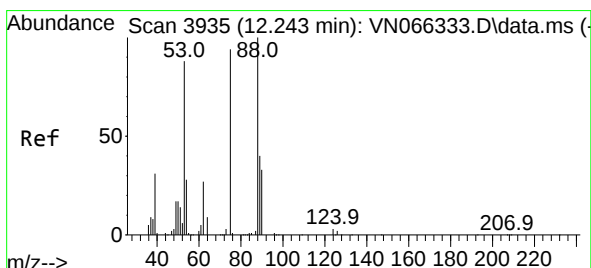
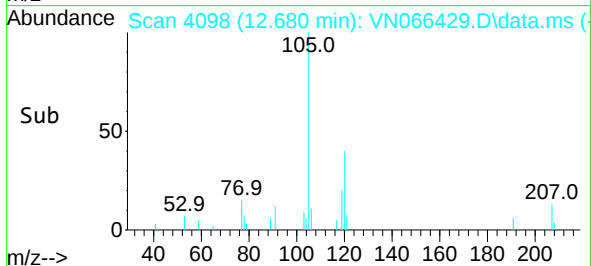
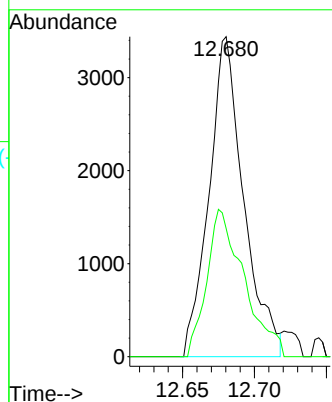
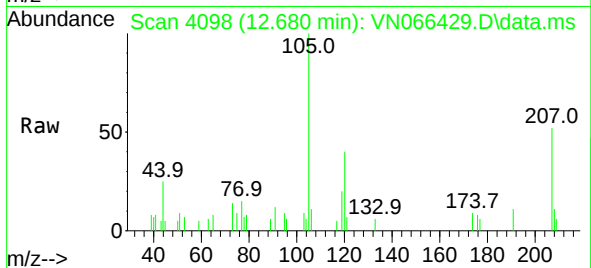




#80  
1,3,5-Trimethylbenzene  
Concen: 0.50 ug/l  
RT: 12.680 min Scan# 4098  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

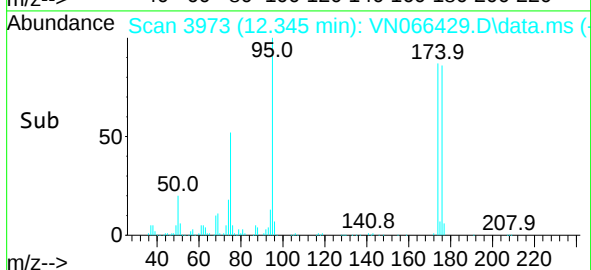
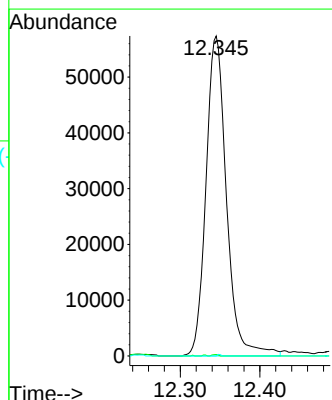
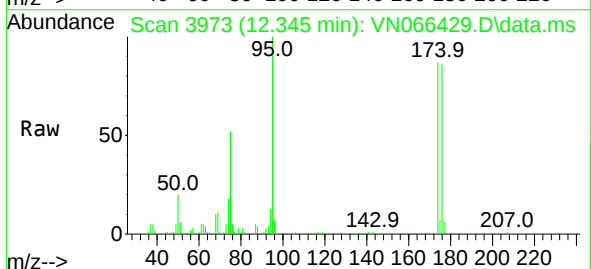
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

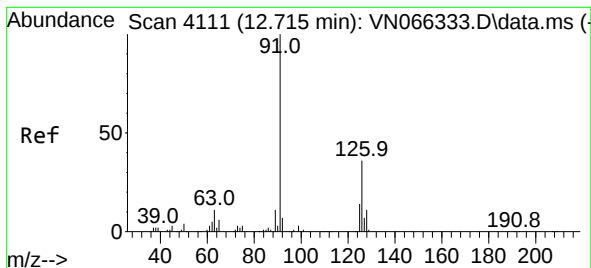
Tgt Ion:105 Resp: 5757  
Ion Ratio Lower Upper  
105 100  
120 49.4 24.5 73.5



#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.24 ug/l  
RT: 12.345 min Scan# 3973  
Delta R.T. 0.102 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 75 Resp: 102800  
Ion Ratio Lower Upper  
75 100  
53 0.1 76.1 114.1#  
89 0.1 35.7 53.5#

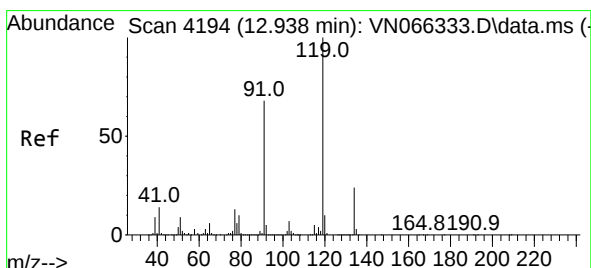
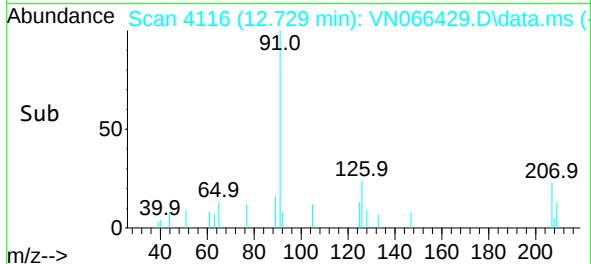
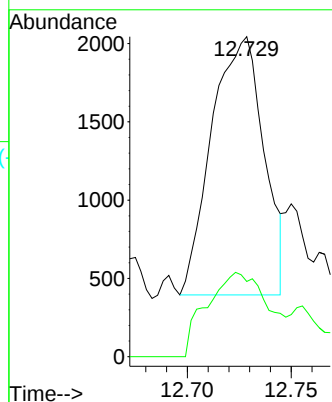
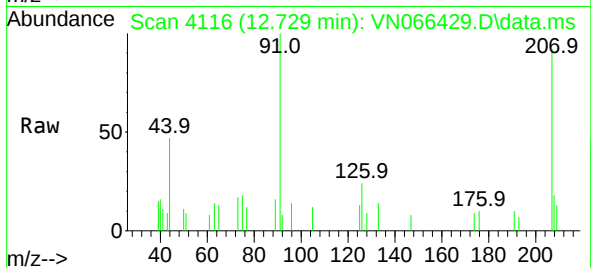




#82  
4-Chlorotoluene  
Concen: 0.31 ug/l  
RT: 12.729 min Scan# 4116  
Delta R.T. 0.013 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

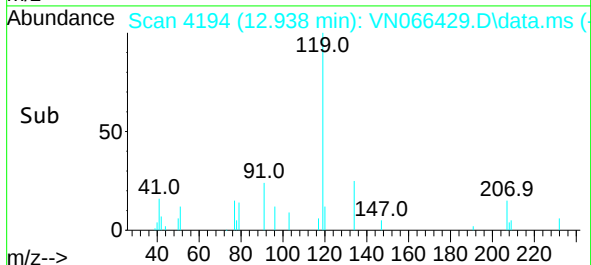
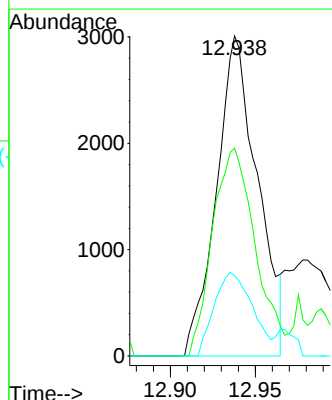
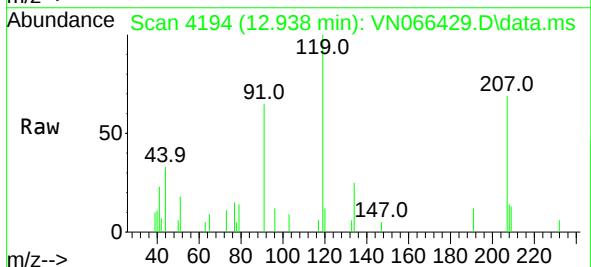
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

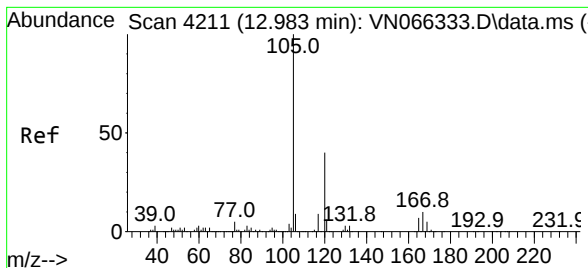
Tgt Ion: 91 Resp: 2878  
Ion Ratio Lower Upper  
91 100  
126 38.6 16.6 49.8



#83  
tert-Butylbenzene  
Concen: 0.51 ug/l  
RT: 12.938 min Scan# 4194  
Delta R.T. 0.000 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 119 Resp: 5061  
Ion Ratio Lower Upper  
119 100  
91 67.6 33.3 99.8  
134 24.3 12.9 38.6

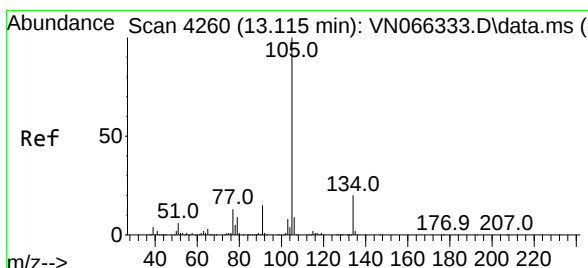
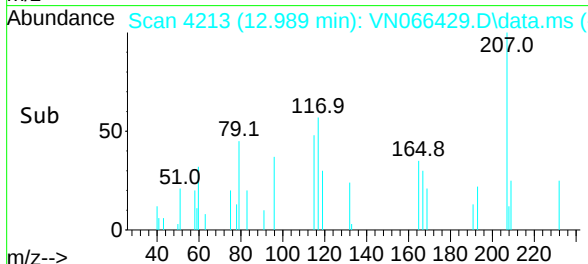
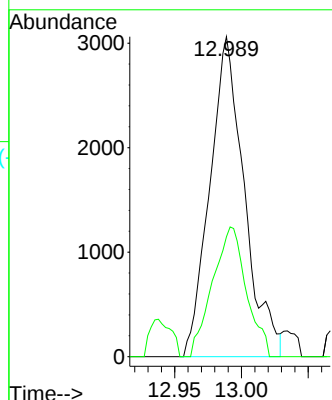
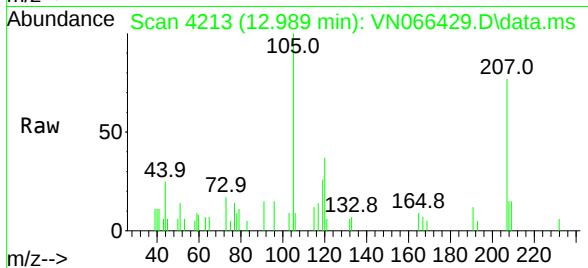




#84  
1,2,4-Trimethylbenzene  
Concen: 0.49 ug/l  
RT: 12.989 min Scan# 4213  
Delta R.T. 0.005 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

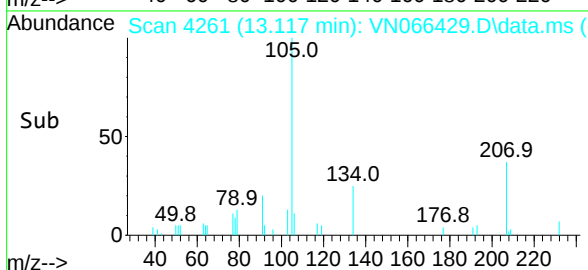
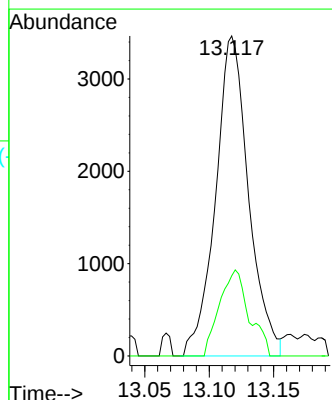
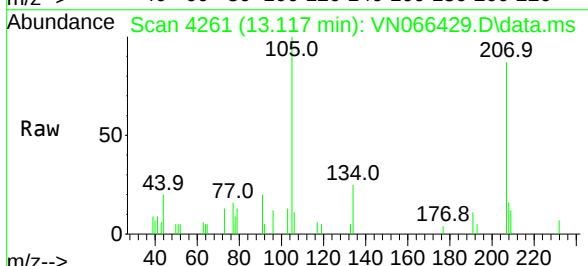
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

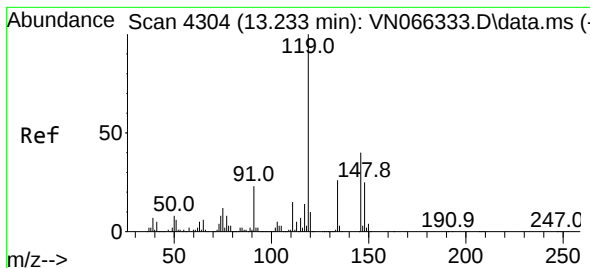
Tgt Ion:105 Resp: 5497  
Ion Ratio Lower Upper  
105 100  
120 39.7 23.1 69.2



#85  
sec-Butylbenzene  
Concen: 0.48 ug/l  
RT: 13.117 min Scan# 4261  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion:105 Resp: 6169  
Ion Ratio Lower Upper  
105 100  
134 24.1 9.9 29.7

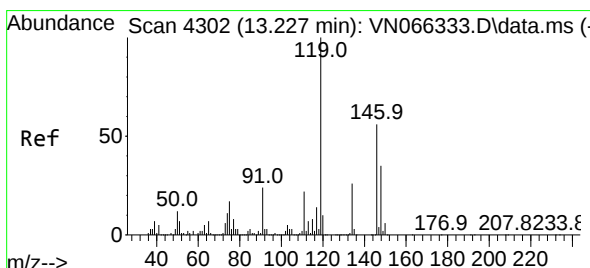
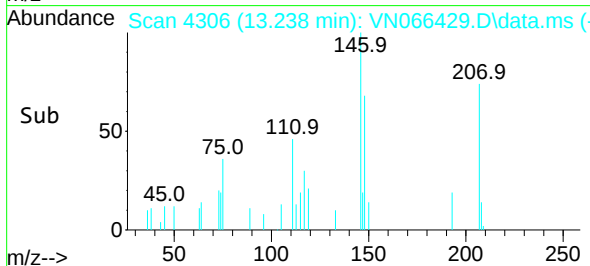
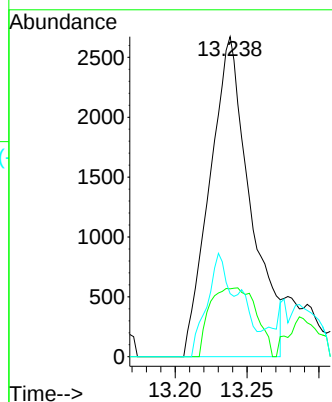
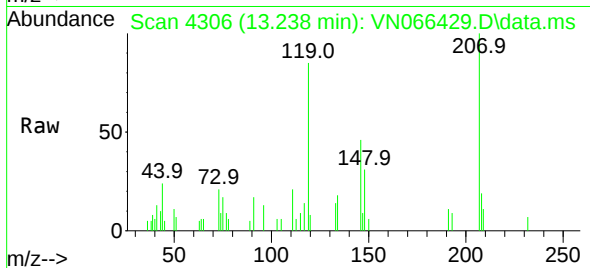




#86  
p-Isopropyltoluene  
Concen: 0.45 ug/l  
RT: 13.238 min Scan# 4306  
Delta R.T. 0.005 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

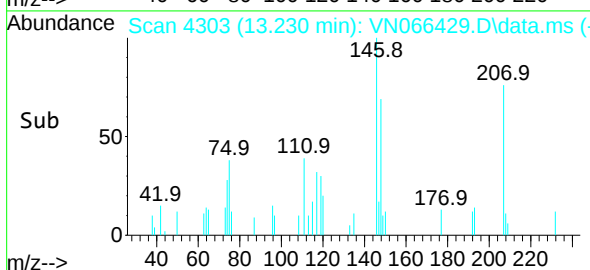
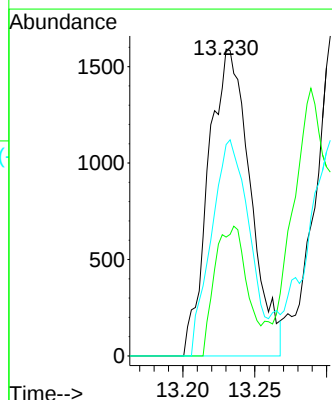
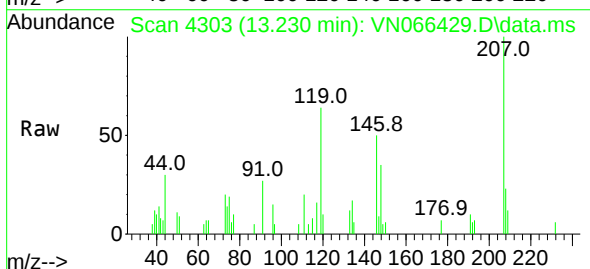
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

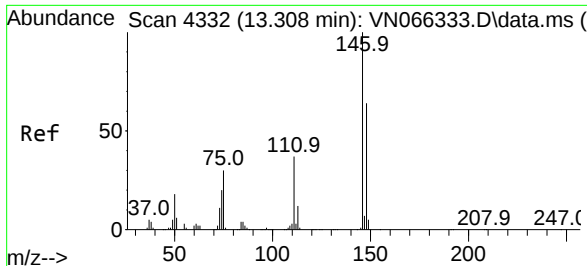
Tgt Ion:119 Resp: 5200  
Ion Ratio Lower Upper  
119 100  
134 24.7 12.9 38.7  
91 18.0 11.5 34.5



#87  
1,3-Dichlorobenzene  
Concen: 0.54 ug/l  
RT: 13.230 min Scan# 4303  
Delta R.T. 0.003 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion:146 Resp: 3212  
Ion Ratio Lower Upper  
146 100  
111 32.7 19.4 58.1  
148 64.0 31.8 95.4

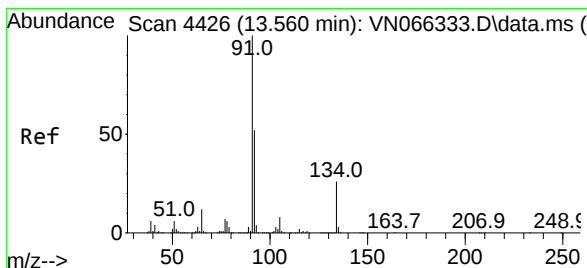
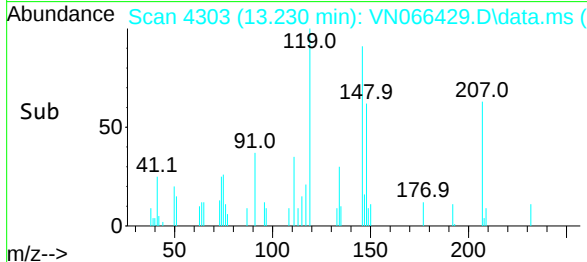
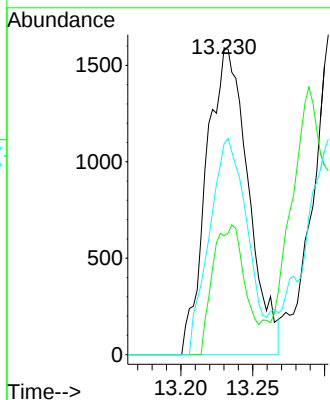
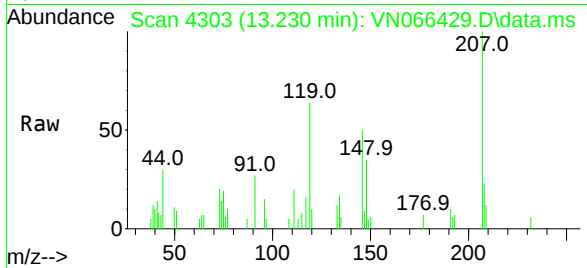




#88  
1,4-Dichlorobenzene  
Concen: 0.52 ug/l  
RT: 13.230 min Scan# 4303  
Delta R.T. -0.078 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

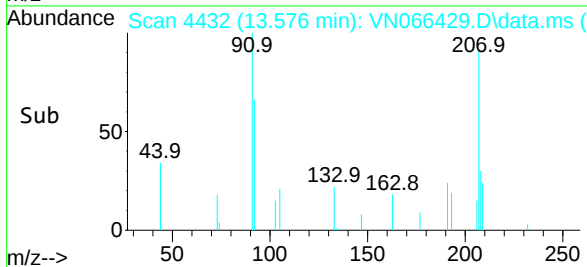
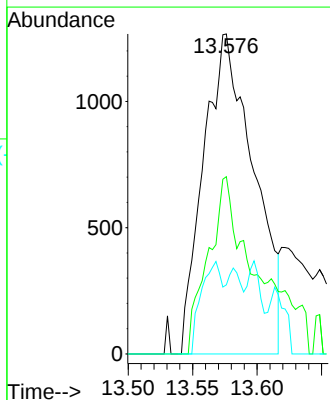
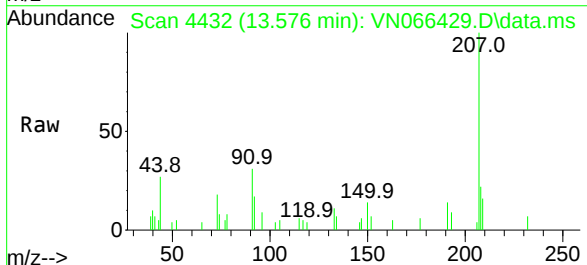
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

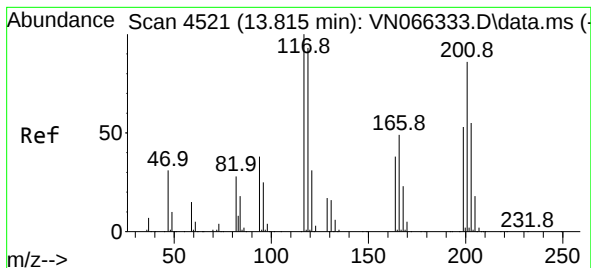
Tgt Ion:146 Resp: 3212  
Ion Ratio Lower Upper  
146 100  
111 32.7 18.3 54.9  
148 64.0 31.9 95.9



#89  
n-Butylbenzene  
Concen: 0.36 ug/l  
RT: 13.576 min Scan# 4432  
Delta R.T. 0.016 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

Tgt Ion: 91 Resp: 3445  
Ion Ratio Lower Upper  
91 100  
92 41.3 26.1 78.3  
134 7.0 12.8 38.4#





#90

Hexachloroethane

Concen: 0.30 ug/l

RT: 13.807 min Scan# 4518

Delta R.T. -0.008 min

Lab File: VN066429.D

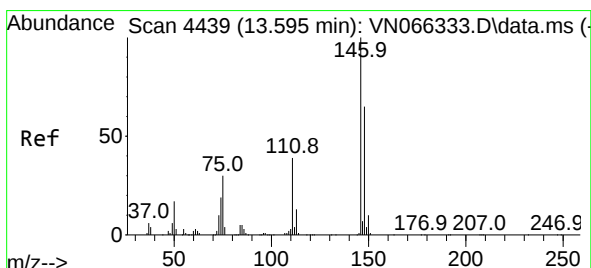
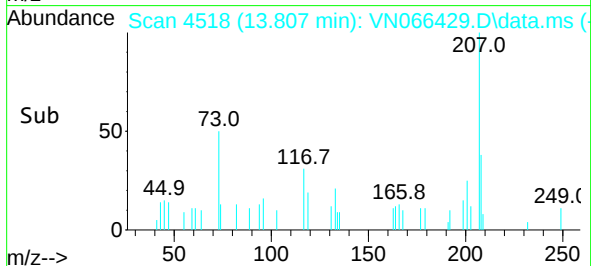
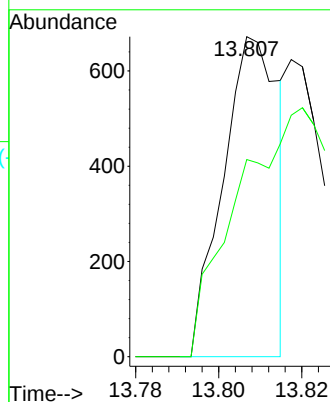
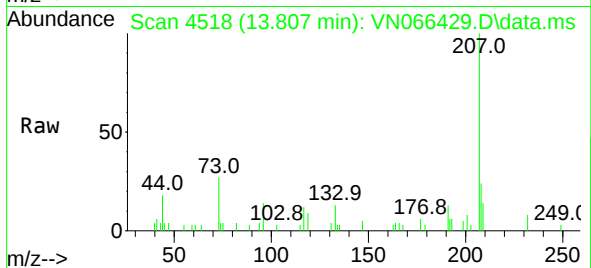
Acq: 30 Mar 2021 18:52

Tgt Ion:117 Resp: 621

Ion Ratio Lower Upper

117 100

201 138.8 44.0 131.8#



#91

1,2-Dichlorobenzene

Concen: 0.53 ug/l

RT: 13.606 min Scan# 4443

Delta R.T. 0.011 min

Lab File: VN066429.D

Acq: 30 Mar 2021 18:52

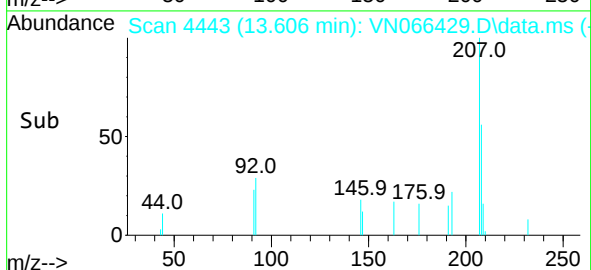
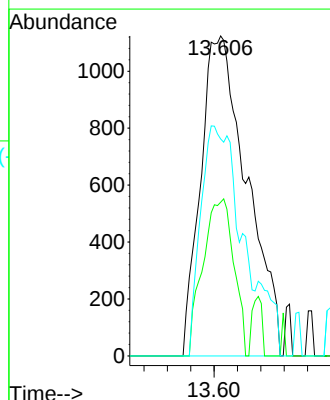
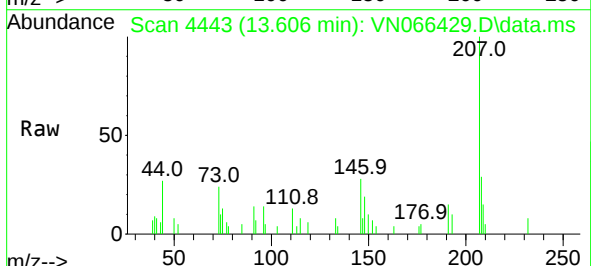
Tgt Ion:146 Resp: 3093

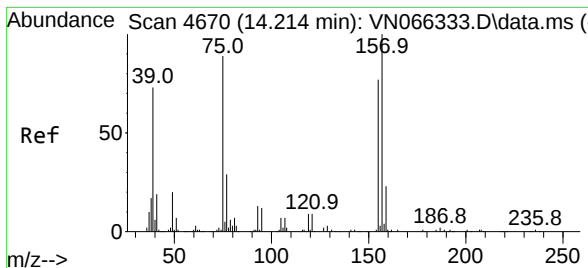
Ion Ratio Lower Upper

146 100

111 32.8 19.7 59.1

148 59.3 32.3 96.8

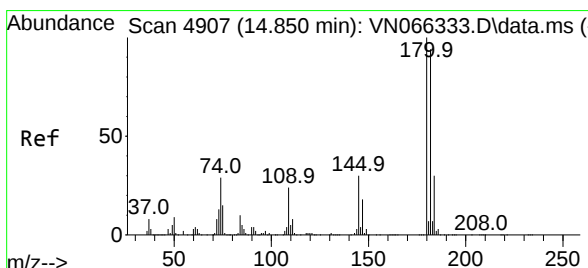
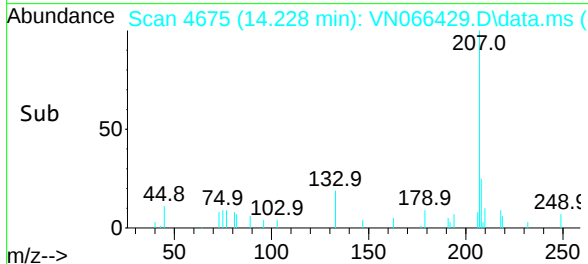
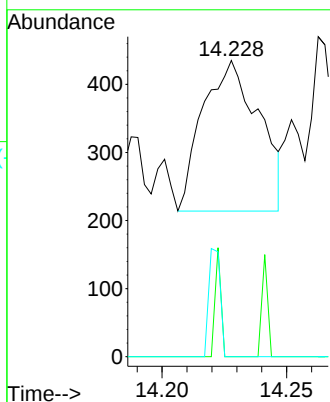
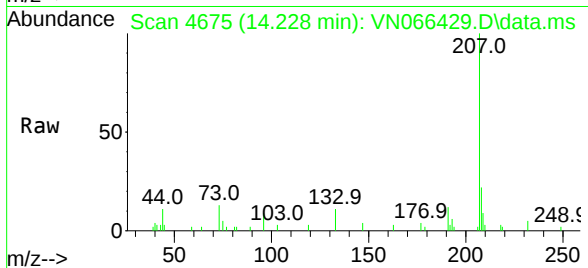




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.40 ug/l  
 RT: 14.228 min Scan# 4675  
 Delta R.T. 0.013 min  
 Lab File: VN066429.D  
 Acq: 30 Mar 2021 18:52

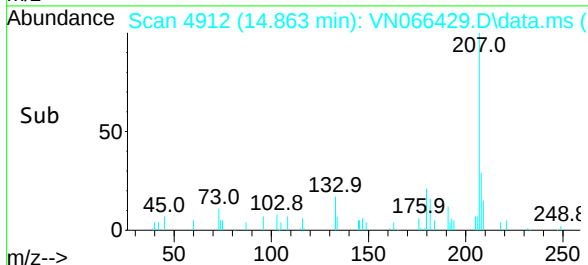
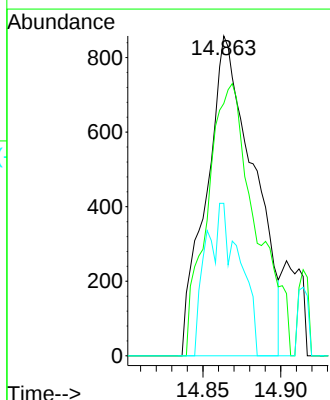
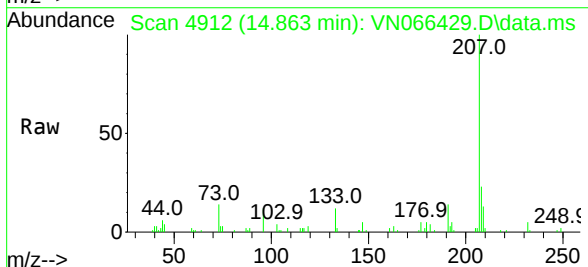
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT1-2021

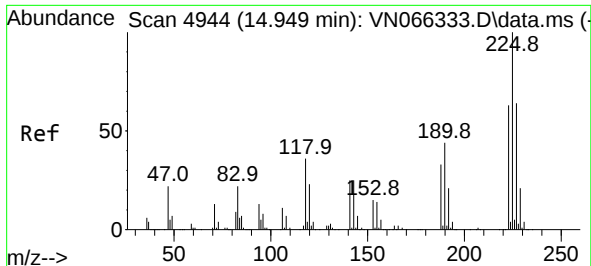
Tgt Ion: 75 Resp: 347  
 Ion Ratio Lower Upper  
 75 100  
 155 7.5 43.8 131.3#  
 157 14.4 57.6 172.8#



#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.50 ug/l  
 RT: 14.863 min Scan# 4912  
 Delta R.T. 0.013 min  
 Lab File: VN066429.D  
 Acq: 30 Mar 2021 18:52

Tgt Ion:180 Resp: 1810  
 Ion Ratio Lower Upper  
 180 100  
 182 86.9 47.4 142.3  
 145 34.0 14.2 42.8

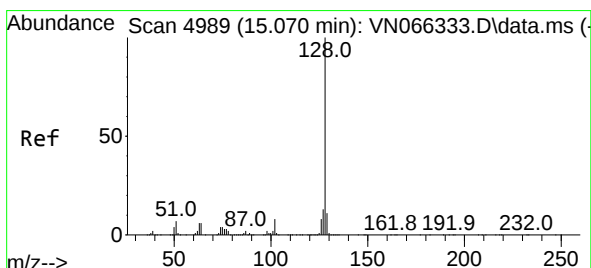
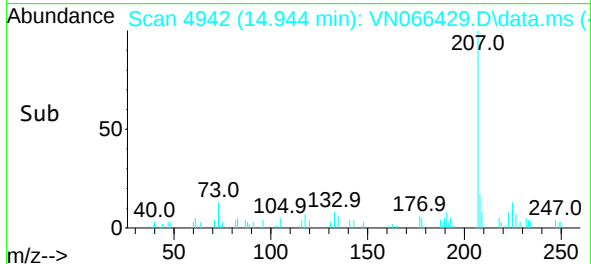
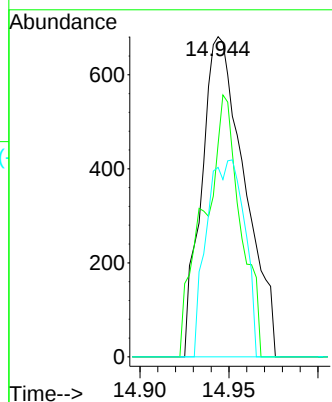
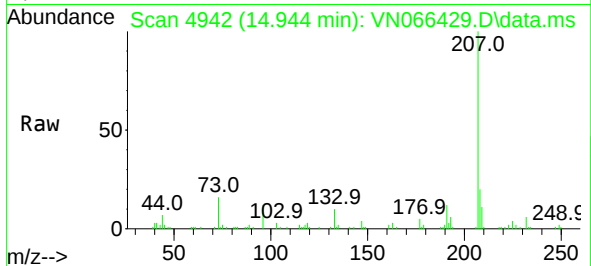




#94  
Hexachlorobutadiene  
Concen: 0.57 ug/l  
RT: 14.944 min Scan# 4942  
Delta R.T. -0.005 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

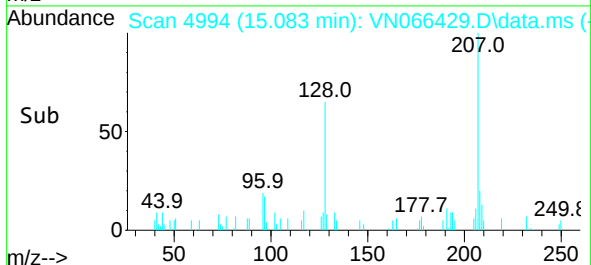
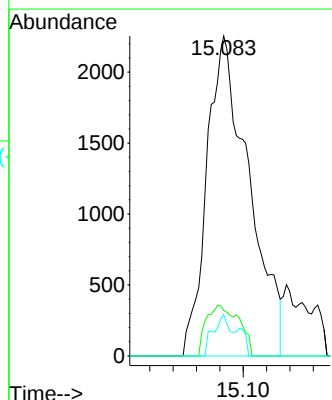
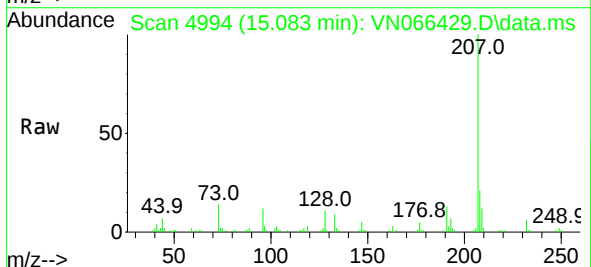
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT1-2021

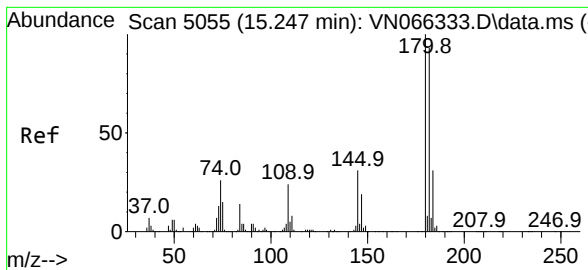
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 1140  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 70.1  | 31.1  | 93.5  |
| 227      | 54.3  | 32.1  | 96.3  |



#95  
Naphthalene  
Concen: 0.51 ug/l  
RT: 15.083 min Scan# 4994  
Delta R.T. 0.013 min  
Lab File: VN066429.D  
Acq: 30 Mar 2021 18:52

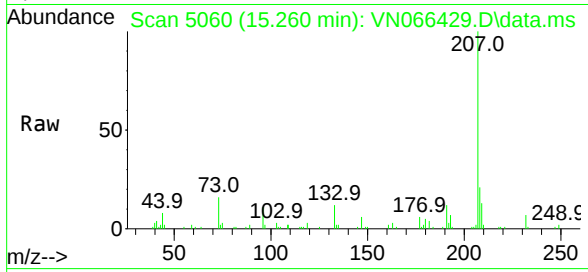
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 5617  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.3  | 10.5  | 15.7  |
| 129      | 5.2   | 8.5   | 12.7# |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.53 ug/l  
 RT: 15.260 min Scan# 5060  
 Delta R.T. 0.013 min  
 Lab File: VN066429.D  
 Acq: 30 Mar 2021 18:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT1-2021



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 1945  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 88.7  | 47.6  | 142.9 |
| 145       | 21.8  | 15.4  | 46.1  |

