

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051624\  
 Data File : VN082159.D  
 Acq On : 16 May 2024 14:07  
 Operator : JC\MD  
 Sample : P2403-09 0.2PPB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT2-2024

Quant Time: May 17 04:12:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 04:08:43 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 182569   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 322612   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 278808   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 114404   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 148429   | 51.488   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 102.980% |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 100619   | 50.701   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 101.400% |      |
| 50) Toluene-d8              | 10.571 | 98    | 367089   | 48.246   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 96.500%  |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 120073   | 44.214   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | = 88.420%  |      |

|                              |       |     |       |        |        |    |
|------------------------------|-------|-----|-------|--------|--------|----|
| Target Compounds             |       |     |       | Qvalue |        |    |
| 2) Dichlorodifluoromethane   | 2.130 | 85  | 364   | 0.138  | ug/l # | 43 |
| 3) Chloromethane             | 2.359 | 50  | 771   | 0.258  | ug/l # | 46 |
| 4) Vinyl Chloride            | 2.518 | 62  | 403   | 0.144  | ug/l # | 55 |
| 5) Bromomethane              | 2.959 | 94  | 1071  | 0.664  | ug/l # | 46 |
| 6) Chloroethane              | 3.124 | 64  | 101   | 0.055  | ug/l # | 44 |
| 7) Trichlorofluoromethane    | 3.501 | 101 | 533   | 0.145  | ug/l # | 78 |
| 8) Diethyl Ether             | 3.965 | 74  | 126   | 0.096  | ug/l # | 7  |
| 9) 1,1,2-Trichlorotrifluo... | 4.377 | 101 | 187   | 0.087  | ug/l # | 43 |
| 10) Methyl Iodide            | 4.589 | 142 | 181   | 0.084  | ug/l # | 40 |
| 11) Tert butyl alcohol       | 5.518 | 59  | 116   | 0.251  | ug/l # | 71 |
| 12) 1,1-Dichloroethene       | 4.336 | 96  | 123   | 0.062  | ug/l # | 68 |
| 13) Acrolein                 | 4.165 | 56  | 133   | 0.388  | ug/l # | 67 |
| 14) Allyl chloride           | 5.012 | 41  | 320   | 0.075  | ug/l # | 16 |
| 15) Acrylonitrile            | 5.718 | 53  | 740   | 0.617  | ug/l # | 73 |
| 16) Acetone                  | 4.418 | 43  | 315   | 0.266  | ug/l # | 43 |
| 17) Carbon Disulfide         | 4.712 | 76  | 1595  | 0.248  | ug/l # | 74 |
| 18) Methyl Acetate           | 5.018 | 43  | 860   | 0.292  | ug/l # | 47 |
| 19) Methyl tert-butyl Ether  | 5.800 | 73  | 1378  | 0.189  | ug/l # | 56 |
| 20) Methylene Chloride       | 5.277 | 84  | 776   | 0.325  | ug/l # | 81 |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 149   | 0.069  | ug/l # | 41 |
| 22) Diisopropyl ether        | 6.665 | 45  | 603   | 0.068  | ug/l # | 35 |
| 23) Vinyl Acetate            | 6.612 | 43  | 5812  | 0.827  | ug/l # | 93 |
| 24) 1,1-Dichloroethane       | 6.577 | 63  | 619   | 0.135  | ug/l # | 81 |
| 25) 2-Butanone               | 7.488 | 43  | 1410  | 0.786  | ug/l   | 92 |
| 26) 2,2-Dichloropropane      | 7.488 | 77  | 251   | 0.065  | ug/l # | 53 |
| 27) cis-1,2-Dichloroethene   | 7.494 | 96  | 331   | 0.129  | ug/l   | 65 |
| 28) Bromochloromethane       | 7.806 | 49  | 75    | 0.035  | ug/l # | 96 |
| 29) Tetrahydrofuran          | 7.847 | 42  | 870   | 0.756  | ug/l # | 53 |
| 30) Chloroform               | 7.959 | 83  | 662   | 0.151  | ug/l   | 84 |
| 31) Cyclohexane              | 8.230 | 56  | 6375  | 1.385  | ug/l # | 54 |
| 32) 1,1,1-Trichloroethane    | 8.183 | 97  | 407   | 0.105  | ug/l # | 24 |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 687   | 0.206  | ug/l # | 41 |
| 37) Ethyl Acetate            | 7.565 | 43  | 335   | 0.090  | ug/l # | 68 |
| 38) Carbon Tetrachloride     | 8.224 | 117 | 19869 | 5.889  | ug/l # | 16 |
| 39) Methylcyclohexane        | 9.600 | 83  | 353   | 0.097  | ug/l # | 48 |
| 40) Benzene                  | 8.606 | 78  | 1936  | 0.195  | ug/l   | 93 |

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 Acq On : 16 May 2024 14:07  
 Operator : JC\MD  
 Sample : P2403-09 0.2PPB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

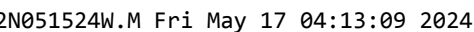
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT2-2024

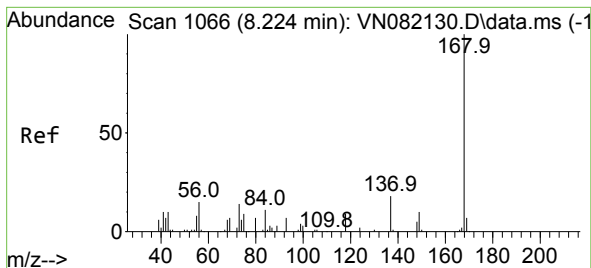
Quant Time: May 17 04:12:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 04:08:43 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 174      | 0.079  | ug/l # | 37       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 920      | 0.241  | ug/l # | 73       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 1167     | 0.177  | ug/l # | 52       |
| 44) Trichloroethene           | 9.347  | 130  | 359      | 0.159  | ug/l   | 67       |
| 45) 1,2-Dichloropropane       | 9.630  | 63   | 317      | 0.124  | ug/l # | 45       |
| 46) Dibromomethane            | 9.712  | 93   | 109      | 0.065  | ug/l # | 6        |
| 47) Bromodichloromethane      | 9.888  | 83   | 360      | 0.101  | ug/l # | 94       |
| 48) Methyl methacrylate       | 9.682  | 41   | 599      | 0.190  | ug/l # | 31       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 2733     | 0.729  | ug/l # | 84       |
| 52) Toluene                   | 10.635 | 92   | 877      | 0.147  | ug/l # | 75       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 650      | 0.177  | ug/l # | 43       |
| 54) cis-1,3-Dichloropropene   | 10.306 | 75   | 451      | 0.116  | ug/l # | 39       |
| 55) 1,1,2-Trichloroethane     | 11.024 | 97   | 198      | 0.091  | ug/l # | 54       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 569      | 0.155  | ug/l # | 53       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 534      | 0.132  | ug/l # | 42       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 1680     | 0.886  | ug/l # | 70       |
| 59) 2-Hexanone                | 11.200 | 43   | 2052     | 0.747  | ug/l   | 87       |
| 60) Dibromochloromethane      | 11.359 | 129  | 368      | 0.154  | ug/l   | 81       |
| 61) 1,2-Dibromoethane         | 11.459 | 107  | 114      | 0.051  | ug/l # | 1        |
| 64) Tetrachloroethene         | 11.100 | 164  | 182      | 0.088  | ug/l # | 61       |
| 65) Chlorobenzene             | 11.894 | 112  | 1028     | 0.167  | ug/l   | 89       |
| 66) 1,1,1,2-Tetrachloroethane | 11.971 | 131  | 264      | 0.130  | ug/l # | 37       |
| 67) Ethyl Benzene             | 11.959 | 91   | 1837     | 0.167  | ug/l # | 43       |
| 68) m/p-Xylenes               | 12.076 | 106  | 1228     | 0.304  | ug/l   | 86       |
| 69) o-Xylene                  | 12.400 | 106  | 672      | 0.172  | ug/l   | 94       |
| 70) Styrene                   | 12.418 | 104  | 770      | 0.119  | ug/l # | 75       |
| 71) Bromoform                 | 12.576 | 173  | 152      | 0.104  | ug/l # | 28       |
| 73) Isopropylbenzene          | 12.694 | 105  | 1389     | 0.153  | ug/l # | 72       |
| 74) N-amyl acetate            | 12.488 | 43   | 746      | 0.149  | ug/l # | 62       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 497      | 0.190  | ug/l # | 61       |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75   | 69843    | 29.005 | ug/l # | 1        |
| 77) Bromobenzene              | 12.982 | 156  | 507      | 0.234  | ug/l # | 69       |
| 78) n-propylbenzene           | 13.035 | 91   | 2068     | 0.192  | ug/l # | 68       |
| 79) 2-Chlorotoluene           | 13.135 | 91   | 1108     | 0.164  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 13.165 | 105  | 1195     | 0.163  | ug/l   | 69       |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75   | 69843    | 67.842 | ug/l # | 12       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 1154     | 0.175  | ug/l   | 79       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 897      | 0.140  | ug/l   | 87       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 1099     | 0.146  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 1489     | 0.167  | ug/l   | 84       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 958      | 0.132  | ug/l # | 80       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 710      | 0.181  | ug/l # | 77       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 804      | 0.201  | ug/l # | 1        |
| 89) n-Butylbenzene            | 14.053 | 91   | 1036     | 0.159  | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene       | 14.117 | 146  | 630      | 0.170  | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 241      | 0.116  | ug/l # | 76       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 64       | 0.070  | ug/l # | 20       |
| 95) Naphthalene               | 15.653 | 128  | 957      | 0.147  | ug/l # | 69       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 150      | 0.072  | ug/l # | 12       |

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

Quant Time: May 17 04:12:57 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 17 04:08:43 2024  
Response via : Initial Calibration

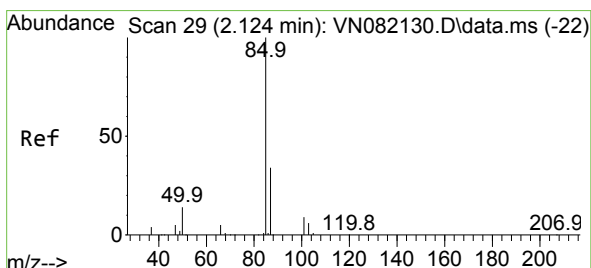
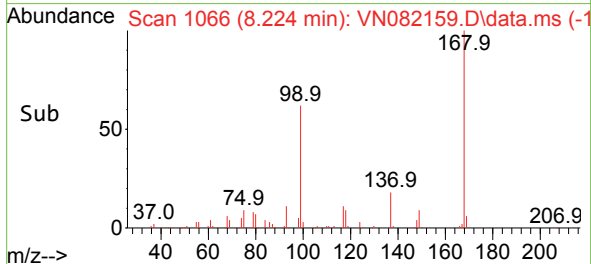
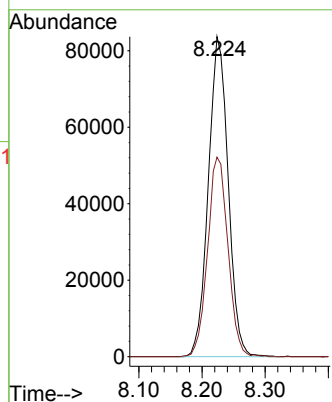
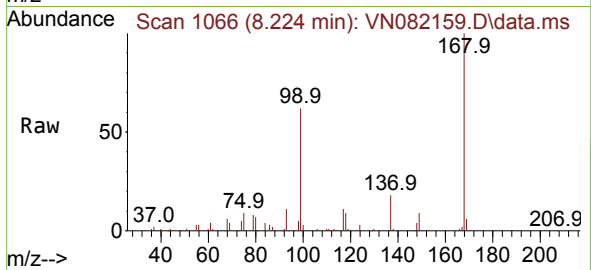




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

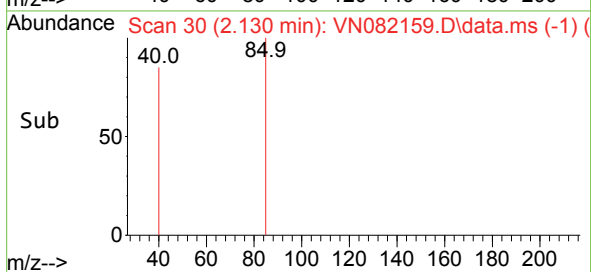
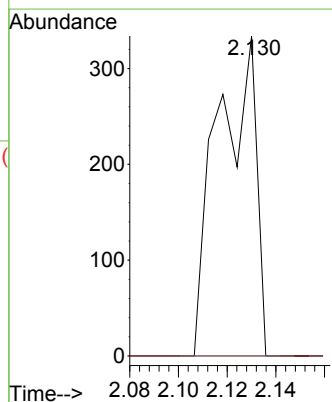
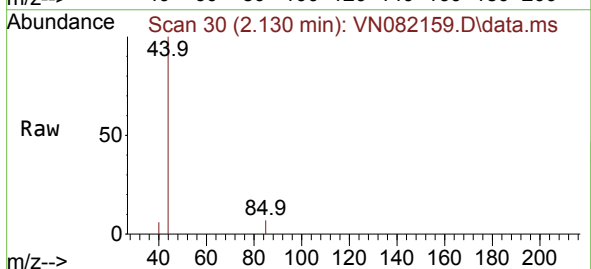
Instrument : MSVOA\_N  
ClientSampleId : MDL-WATER-03-QT2-2024

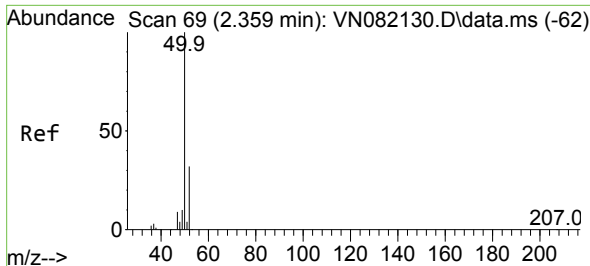
Tgt Ion:168 Resp: 182569  
Ion Ratio Lower Upper  
168 100  
99 62.4 48.2 72.4



#2  
Dichlorodifluoromethane  
Concen: 0.138 ug/l  
RT: 2.130 min Scan# 30  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 85 Resp: 364  
Ion Ratio Lower Upper  
85 100  
87 0.0 15.8 47.4#

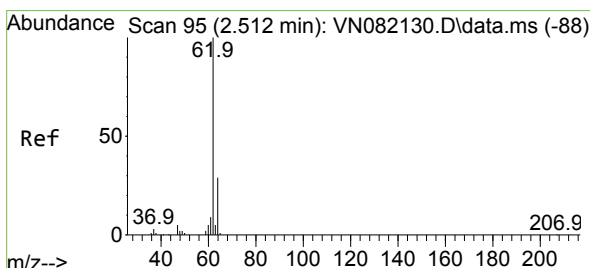
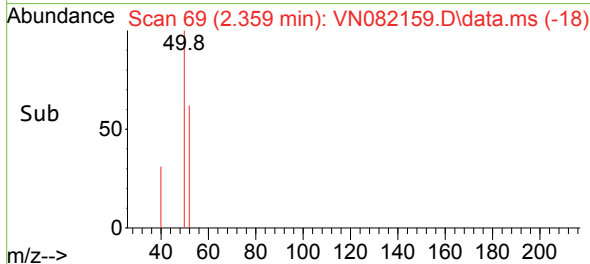
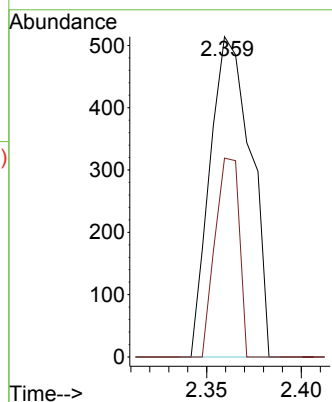
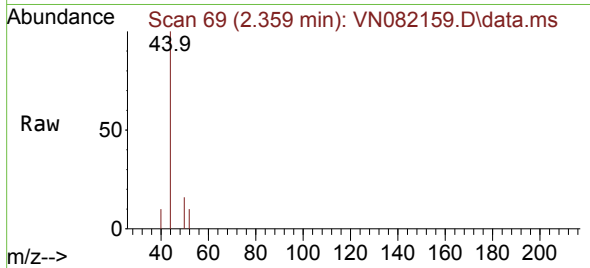




#3  
Chloromethane  
Concen: 0.258 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

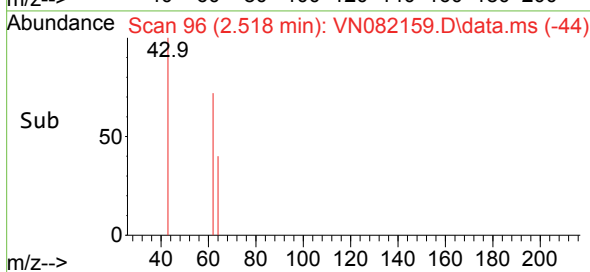
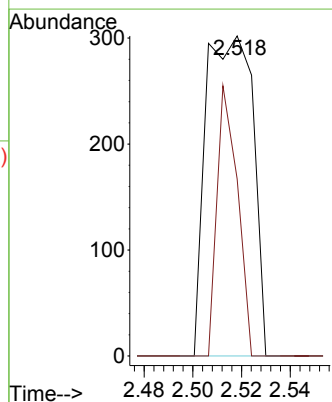
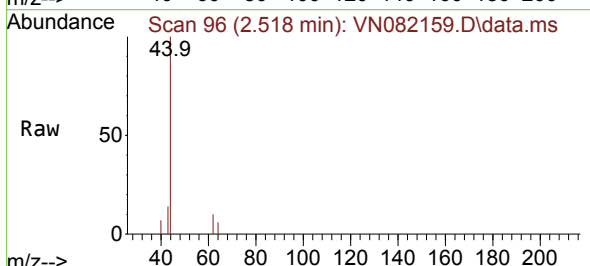
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

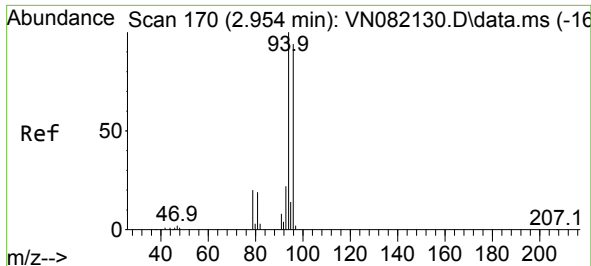
Tgt Ion: 50 Resp: 771  
Ion Ratio Lower Upper  
50 100  
52 62.1 25.5 38.3#



#4  
Vinyl Chloride  
Concen: 0.144 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 62 Resp: 403  
Ion Ratio Lower Upper  
62 100  
64 55.3 24.6 37.0#

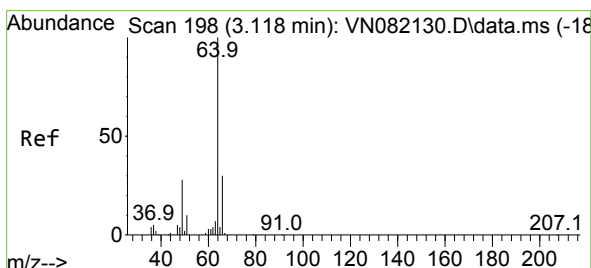
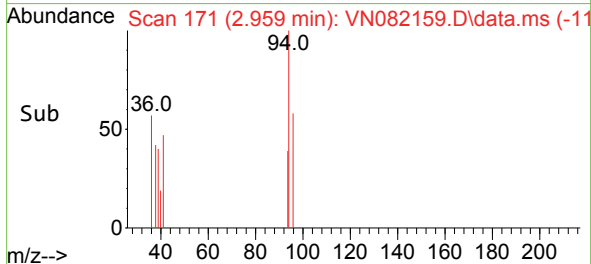
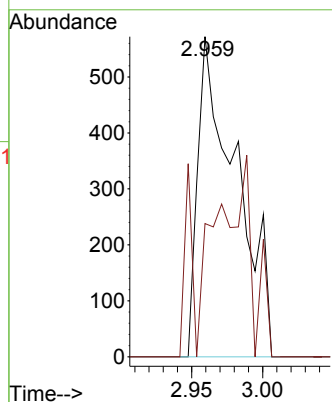
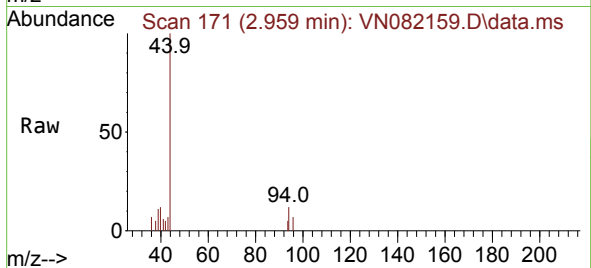




#5  
Bromomethane  
Concen: 0.664 ug/l  
RT: 2.959 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

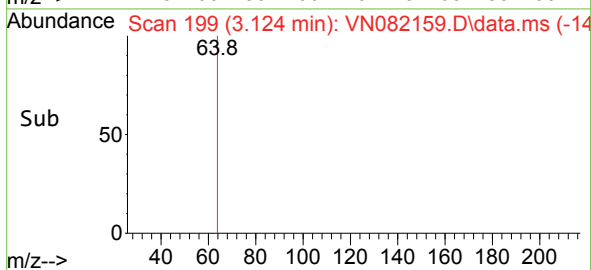
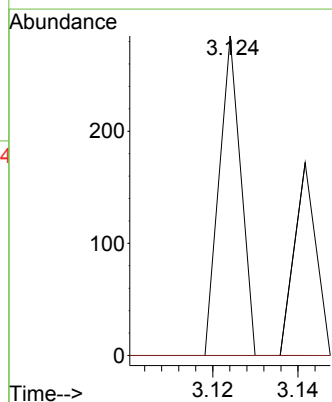
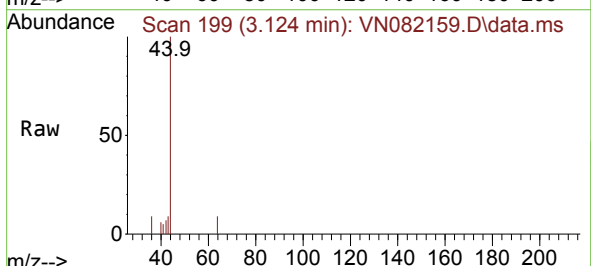
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ClientSampleId :  
MDL-WATER-03-QT2-2024

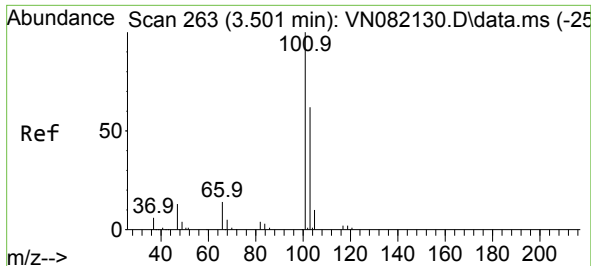
Tgt Ion: 94 Resp: 1071  
Ion Ratio Lower Upper  
94 100  
96 41.6 74.8 112.2#



#6  
Chloroethane  
Concen: 0.055 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 64 Resp: 101  
Ion Ratio Lower Upper  
64 100  
66 0.0 24.7 37.1#

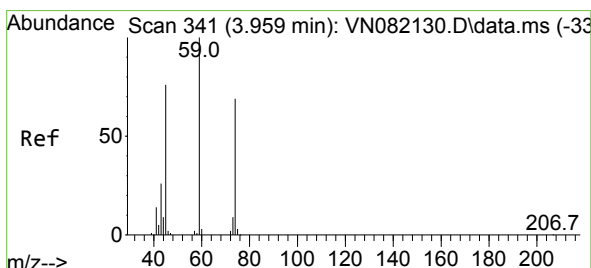
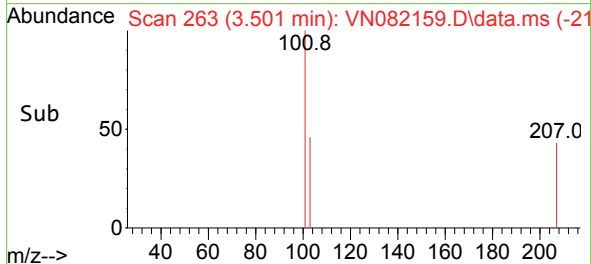
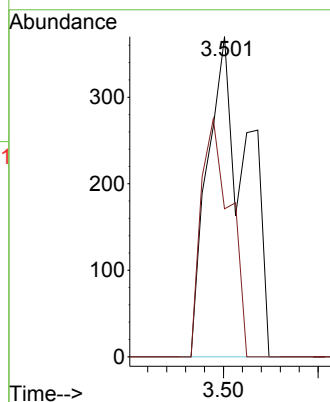
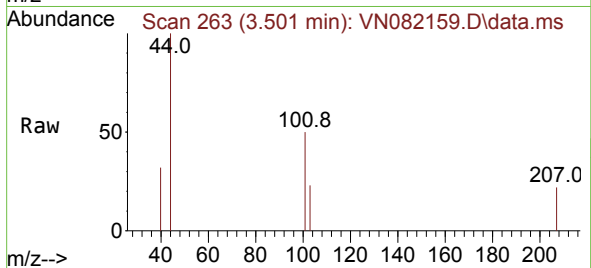




#7  
Trichlorofluoromethane  
Concen: 0.145 ug/l  
RT: 3.501 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

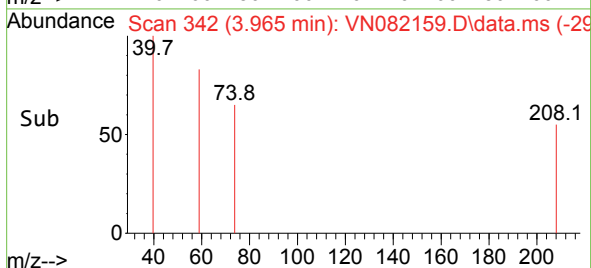
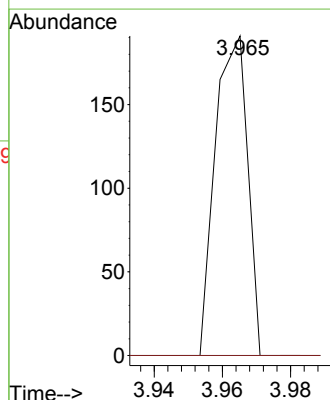
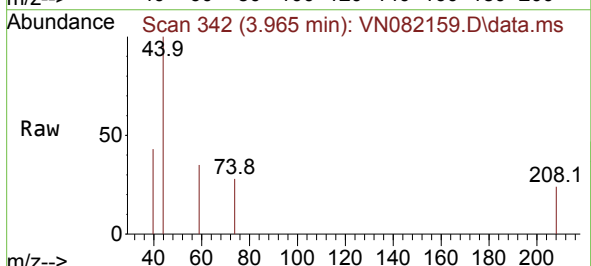
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

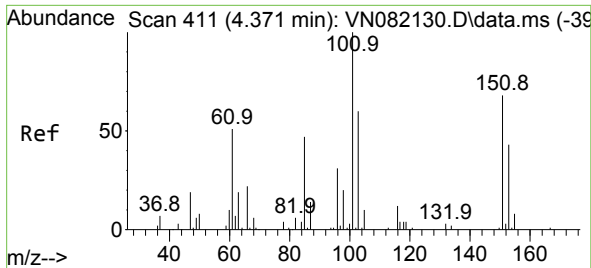
Tgt Ion:101 Resp: 533  
Ion Ratio Lower Upper  
101 100  
103 46.2 50.6 75.8#



#8  
Diethyl Ether  
Concen: 0.096 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 74 Resp: 126  
Ion Ratio Lower Upper  
74 100  
45 0.0 42.4 127.3#

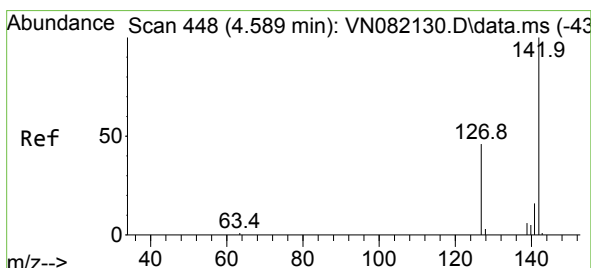
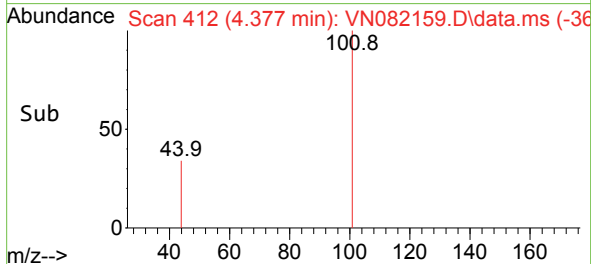
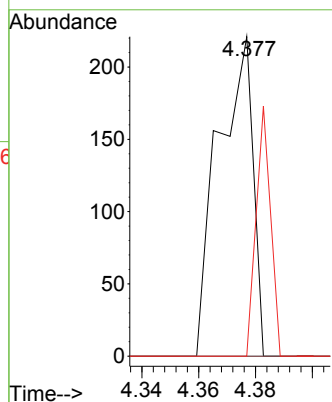
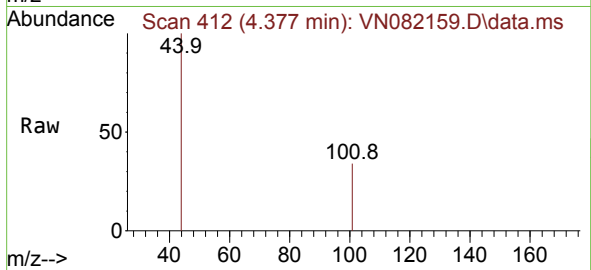




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.087 ug/l  
RT: 4.377 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

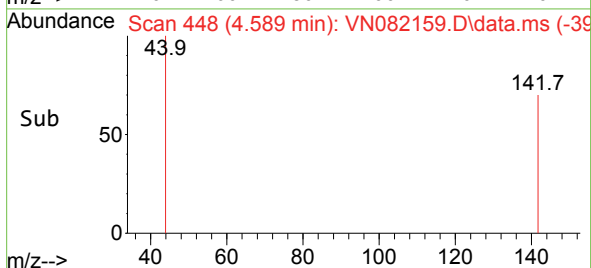
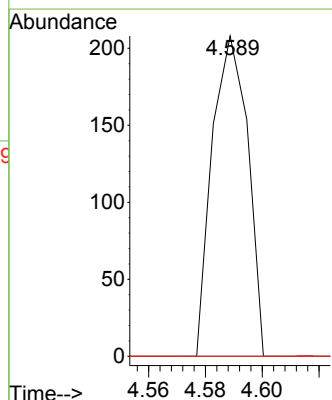
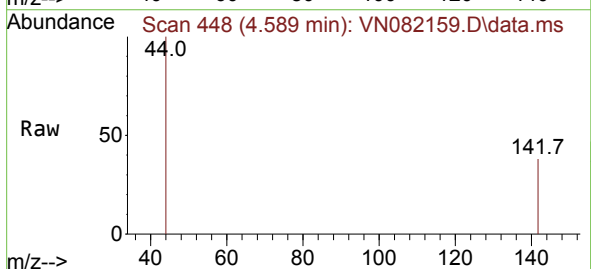
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

Tgt Ion:101 Resp: 187  
Ion Ratio Lower Upper  
101 100  
85 0.0 37.3 55.9#  
151 32.6 59.2 88.8#

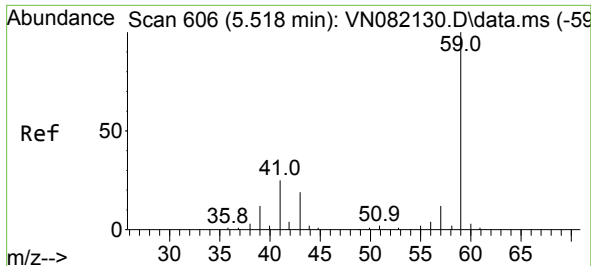


#10  
Methyl Iodide  
Concen: 0.084 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion:142 Resp: 181  
Ion Ratio Lower Upper  
142 100  
127 0.0 35.8 53.6#  
141 0.0 11.4 17.2#



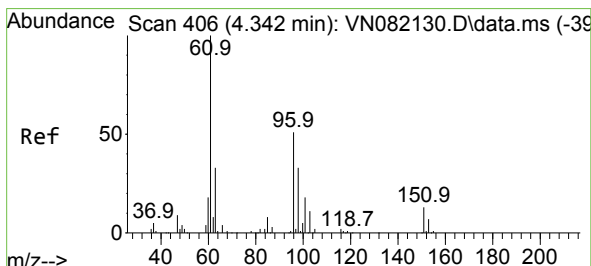
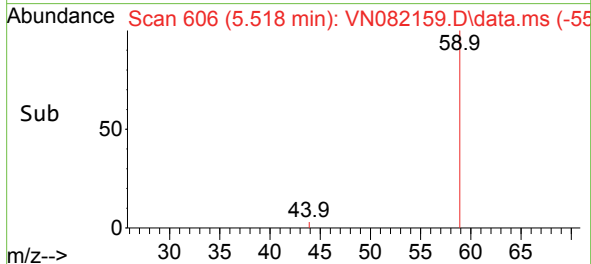
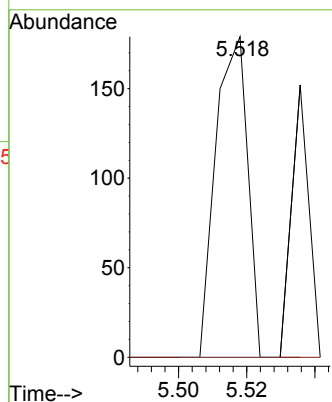
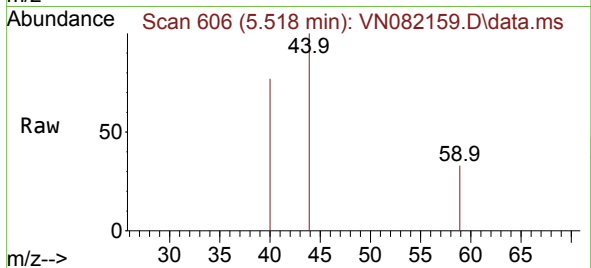




#11  
Tert butyl alcohol  
Concen: 0.251 ug/l  
RT: 5.518 min Scan# 606  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

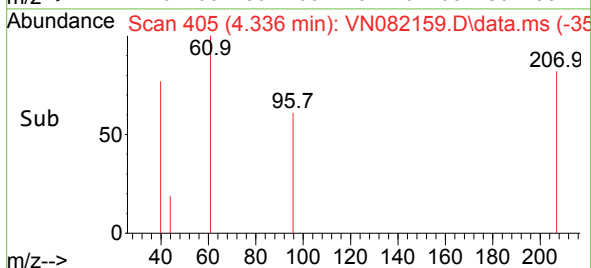
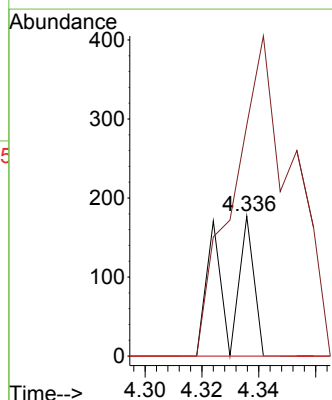
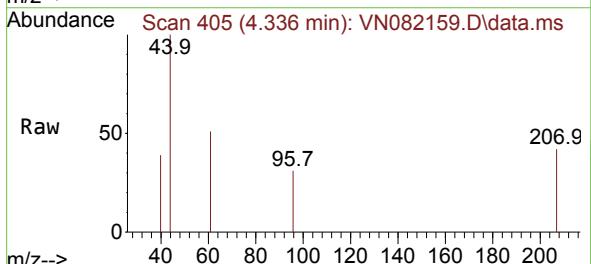
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

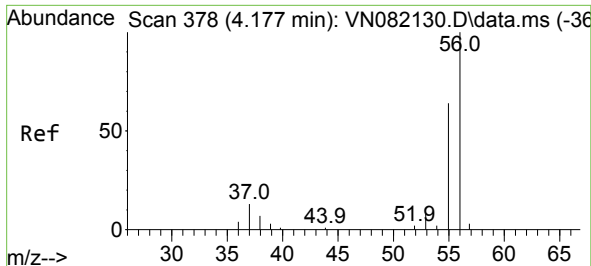
Tgt Ion: 59 Resp: 116  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.9 13.3#



#12  
1,1-Dichloroethene  
Concen: 0.062 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. -0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 96 Resp: 123  
Ion Ratio Lower Upper  
96 100  
61 165.0 119.7 179.5  
98 0.0 49.6 74.4#





#13

Acrolein

Concen: 0.388 ug/l

RT: 4.165 min Scan# 31

Delta R.T. -0.012 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

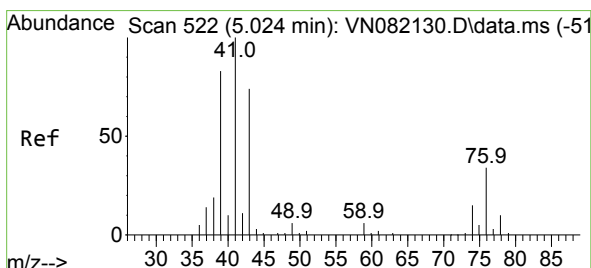
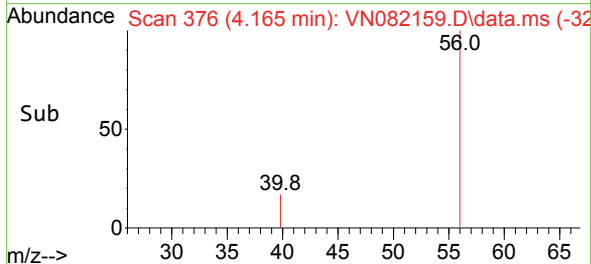
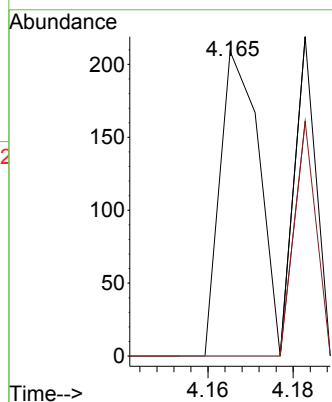
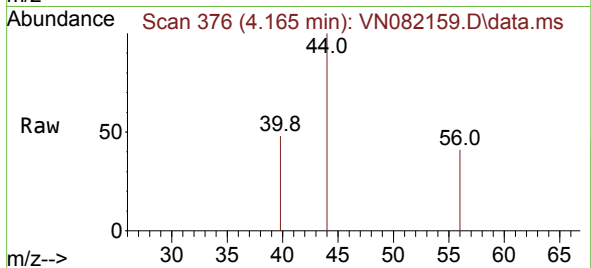
MDL-WATER-03-QT2-2024

Tgt Ion: 56 Resp: 133

Ion Ratio Lower Upper

56 100

55 42.9 55.8 83.8#



#14

Allyl chloride

Concen: 0.075 ug/l

RT: 5.012 min Scan# 520

Delta R.T. -0.012 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

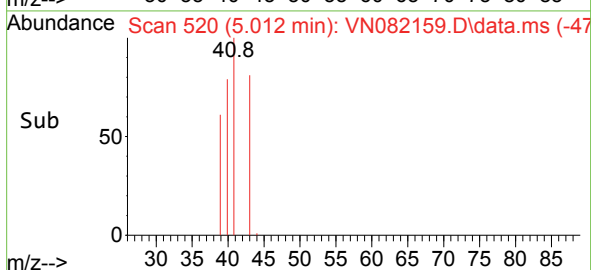
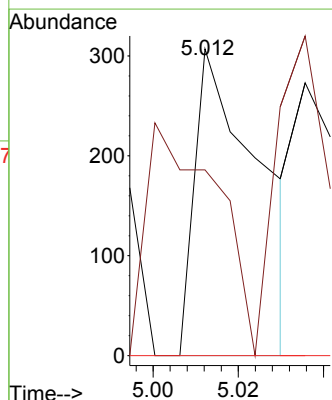
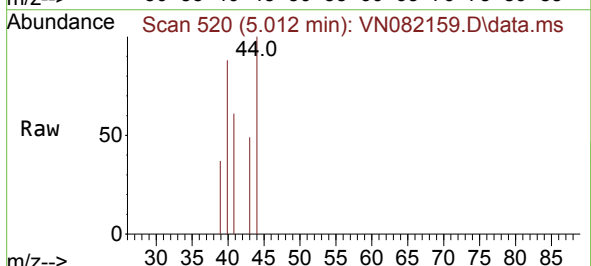
Tgt Ion: 41 Resp: 320

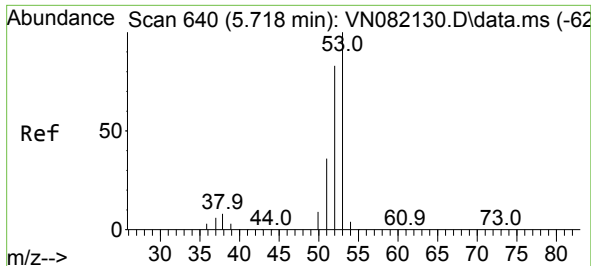
Ion Ratio Lower Upper

41 100

39 0.0 65.4 98.0#

76 0.0 37.3 55.9#

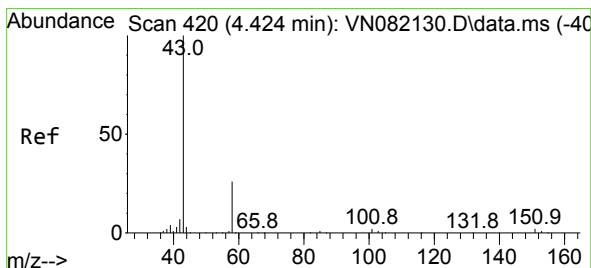
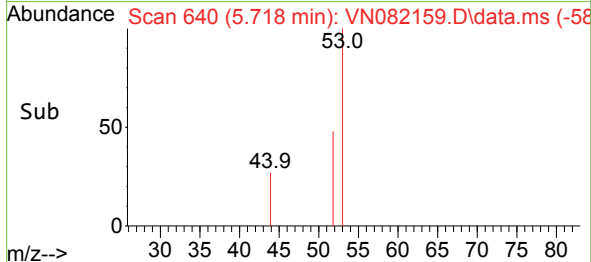
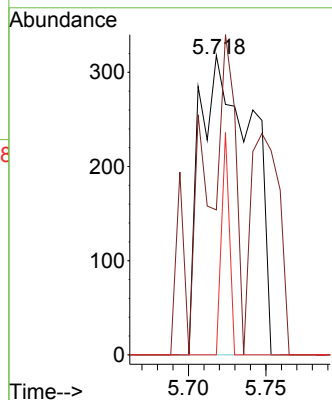
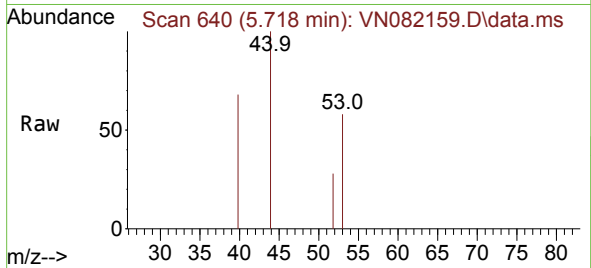




#15  
Acrylonitrile  
Concen: 0.617 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

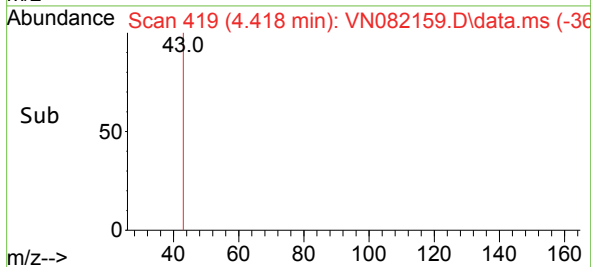
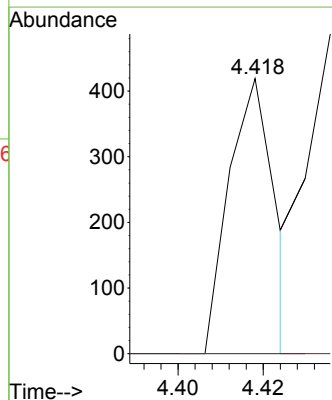
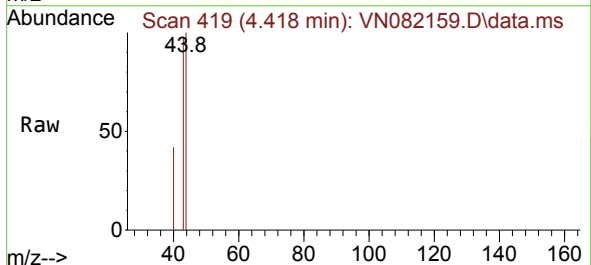
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

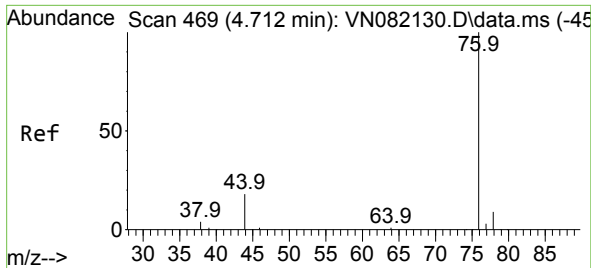
Tgt Ion: 53 Resp: 740  
Ion Ratio Lower Upper  
53 100  
52 65.0 66.1 99.1#  
51 11.2 29.4 44.2#



#16  
Acetone  
Concen: 0.266 ug/l  
RT: 4.418 min Scan# 419  
Delta R.T. -0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 43 Resp: 315  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.2 37.8#

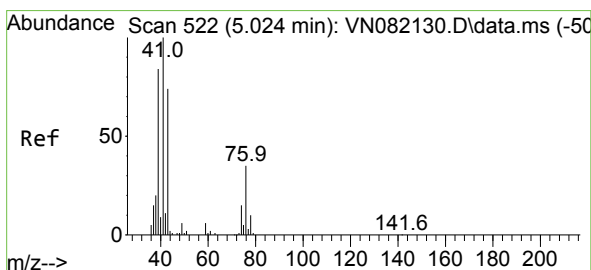
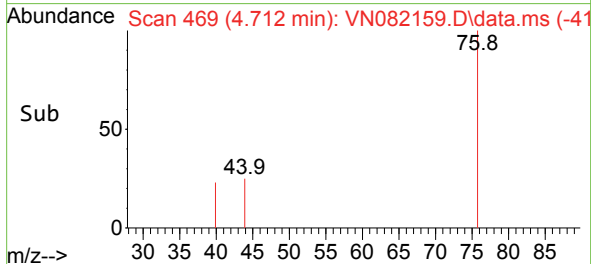
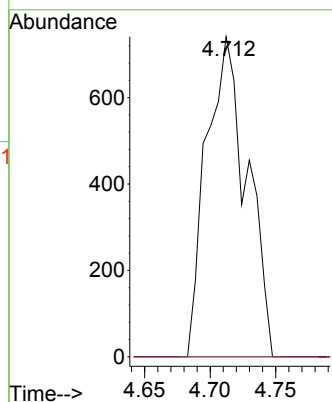
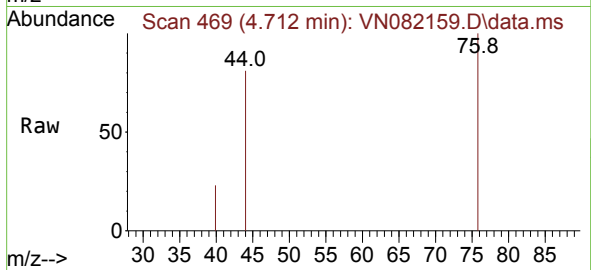




#17  
Carbon Disulfide  
Concen: 0.248 ug/l  
RT: 4.712 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

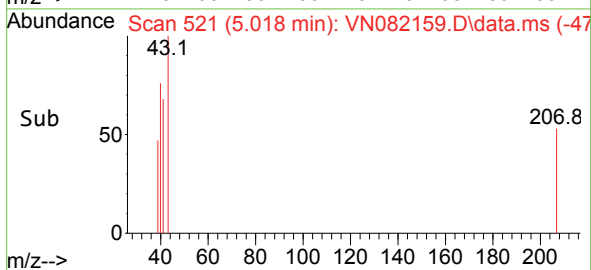
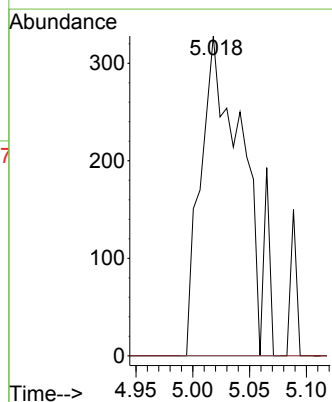
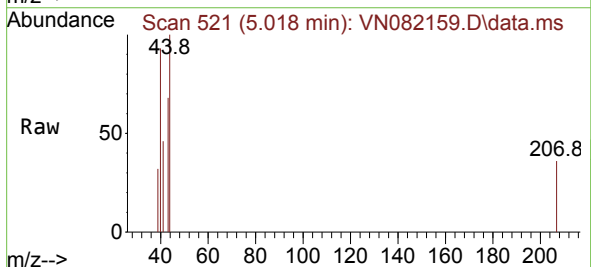
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

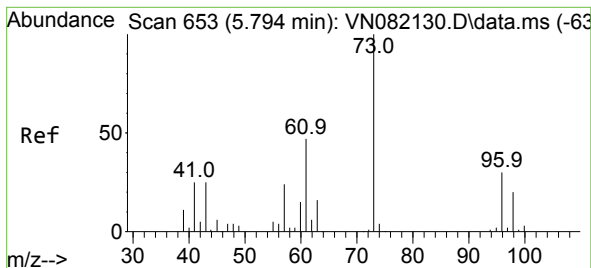
Tgt Ion: 76 Resp: 1595  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.5 11.3#



#18  
Methyl Acetate  
Concen: 0.292 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 43 Resp: 860  
Ion Ratio Lower Upper  
43 100  
74 0.0 22.2 33.2#





#19

Methyl tert-butyl Ether

Concen: 0.189 ug/l

RT: 5.800 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

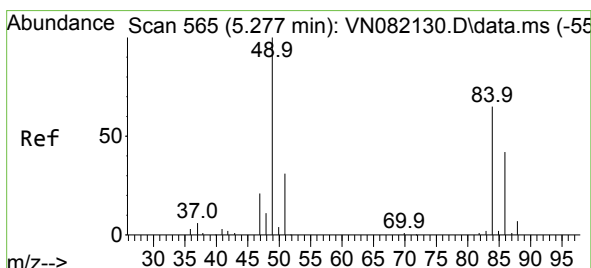
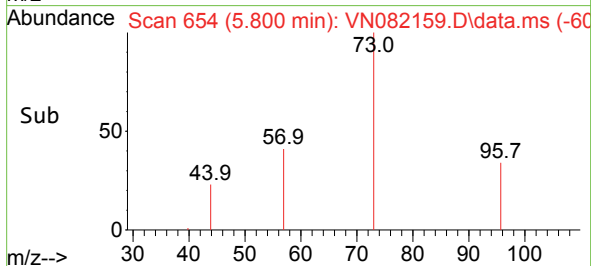
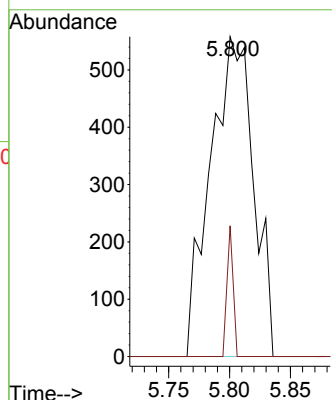
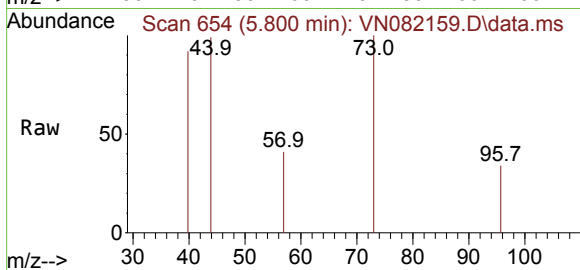
MDL-WATER-03-QT2-2024

Tgt Ion: 73 Resp: 1378

Ion Ratio Lower Upper

73 100

57 40.9 16.5 24.7#



#20

Methylene Chloride

Concen: 0.325 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Tgt Ion: 84 Resp: 776

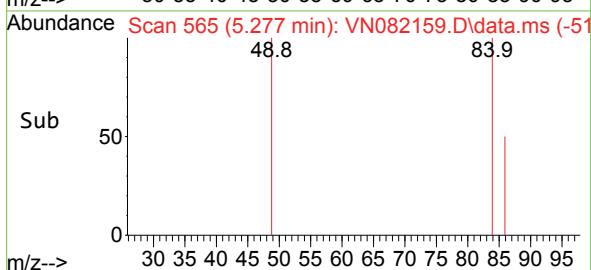
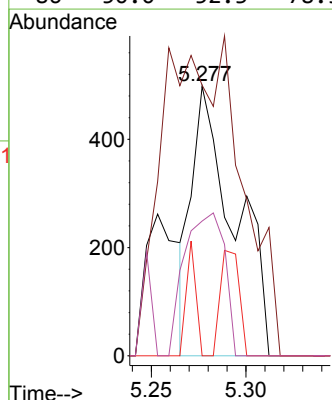
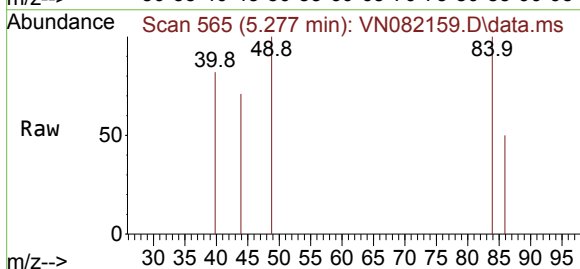
Ion Ratio Lower Upper

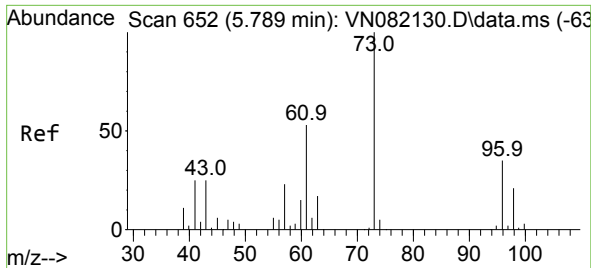
84 100

49 100.4 84.9 127.3

51 0.0 27.0 40.6#

86 50.0 52.3 78.5#

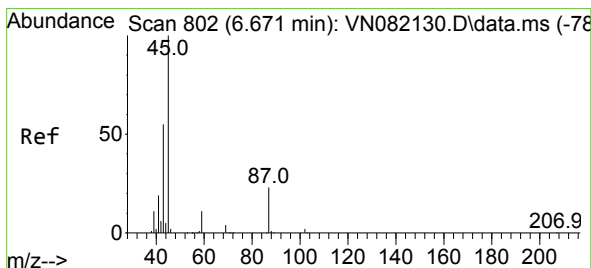
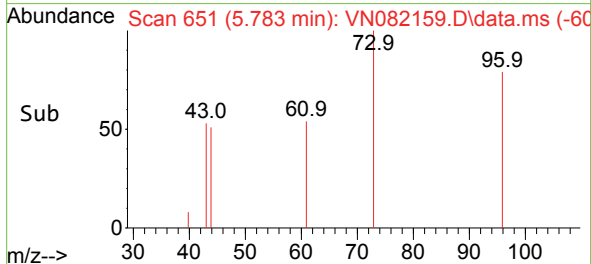
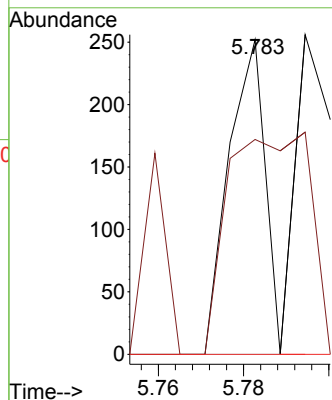
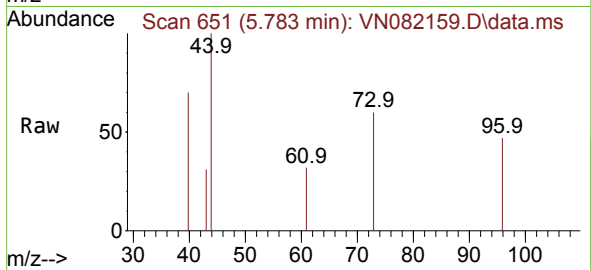




#21  
trans-1,2-Dichloroethene  
Concen: 0.069 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

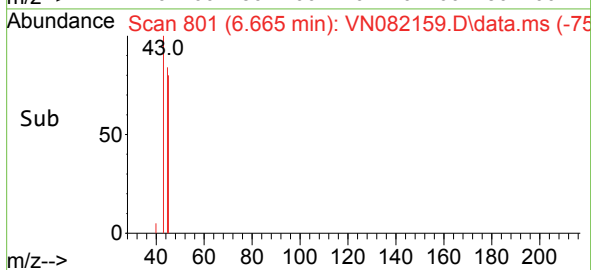
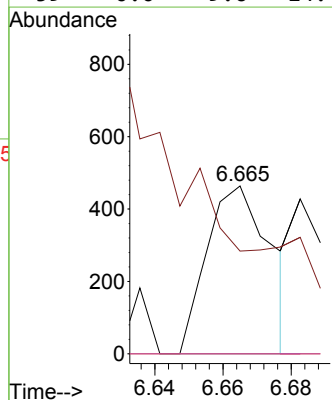
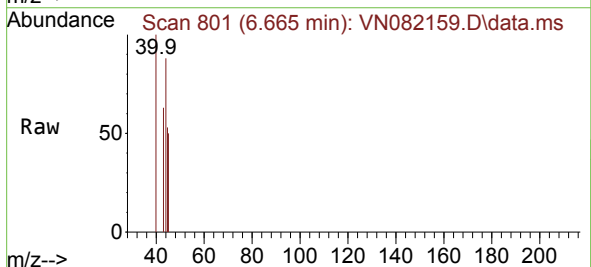
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

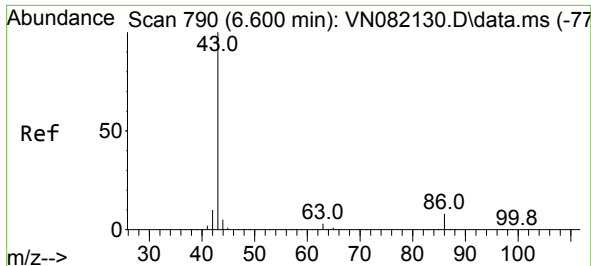
Tgt Ion: 96 Resp: 149  
Ion Ratio Lower Upper  
96 100  
61 68.3 96.5 144.7#  
98 0.0 51.3 76.9#



#22  
Diisopropyl ether  
Concen: 0.068 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 45 Resp: 603  
Ion Ratio Lower Upper  
45 100  
43 0.0 44.1 66.1#  
87 0.0 27.0 40.6#  
59 0.0 9.6 14.4#

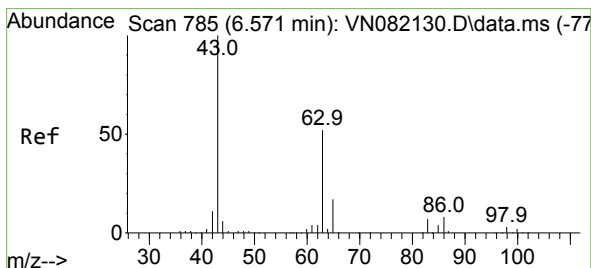
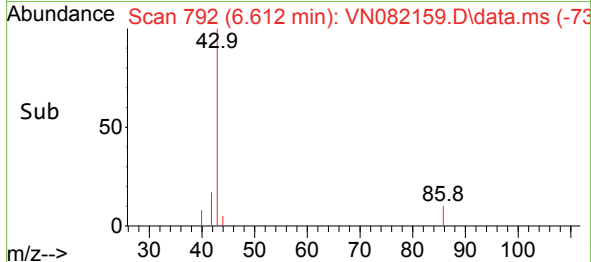
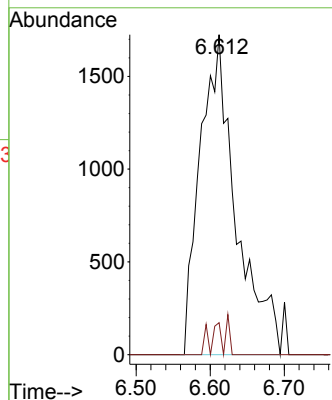
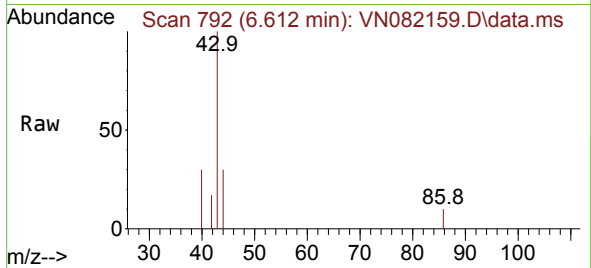




#23  
 Vinyl Acetate  
 Concen: 0.827 ug/l  
 RT: 6.612 min Scan# 791  
 Delta R.T. 0.012 min  
 Lab File: VN082159.D  
 Acq: 16 May 2024 14:07

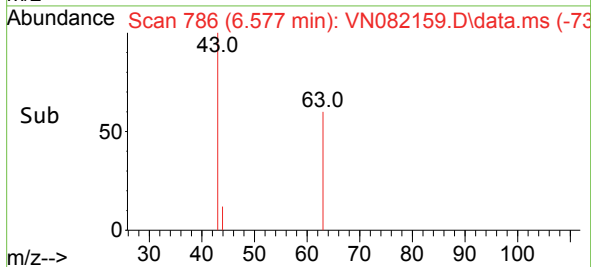
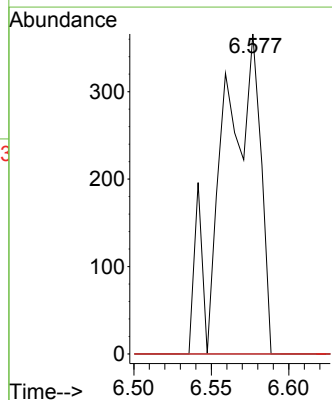
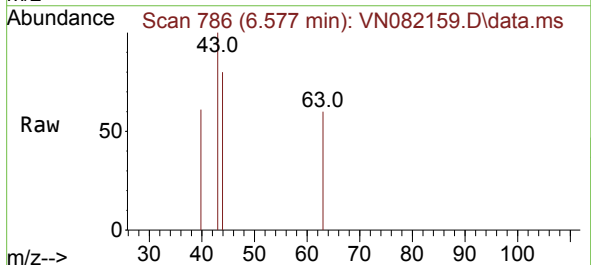
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT2-2024

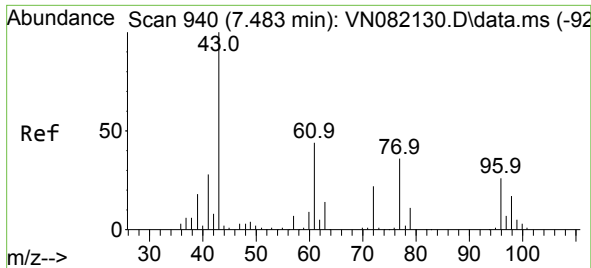
Tgt Ion: 43 Resp: 5812  
 Ion Ratio Lower Upper  
 43 100  
 86 10.0 10.2 15.4#



#24  
 1,1-Dichloroethane  
 Concen: 0.135 ug/l  
 RT: 6.577 min Scan# 786  
 Delta R.T. 0.006 min  
 Lab File: VN082159.D  
 Acq: 16 May 2024 14:07

Tgt Ion: 63 Resp: 619  
 Ion Ratio Lower Upper  
 63 100  
 98 0.0 3.6 10.9#  
 100 0.0 2.6 7.8#

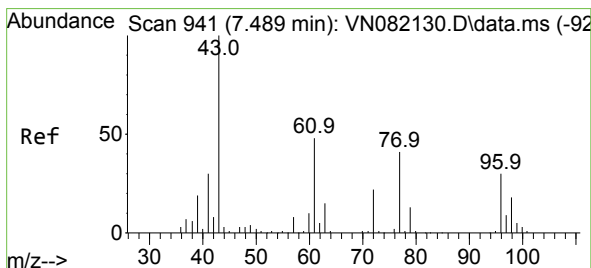
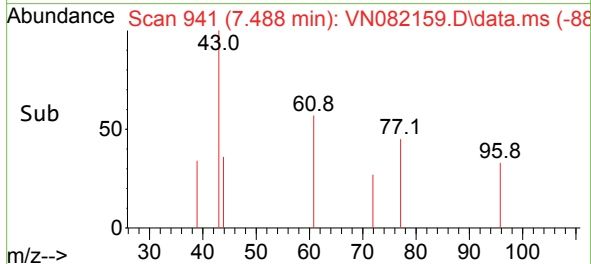
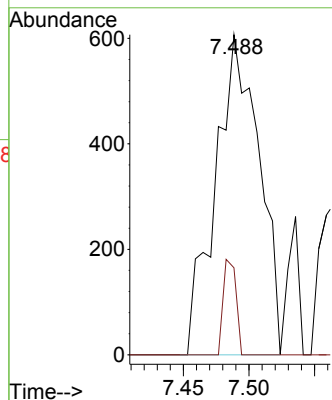
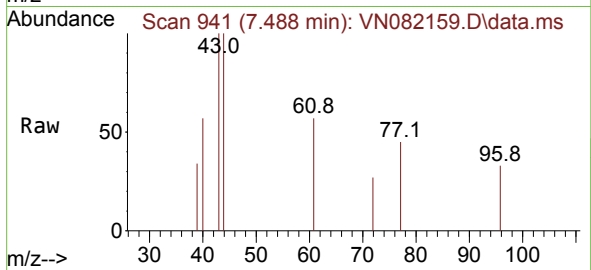




#25  
2-Butanone  
Concen: 0.786 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

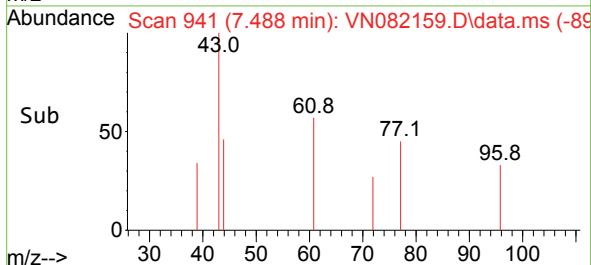
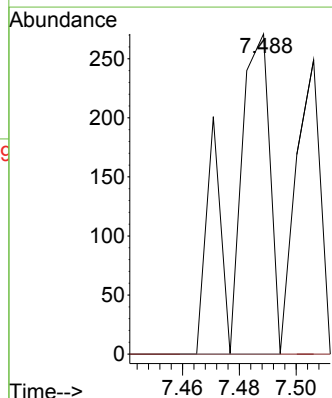
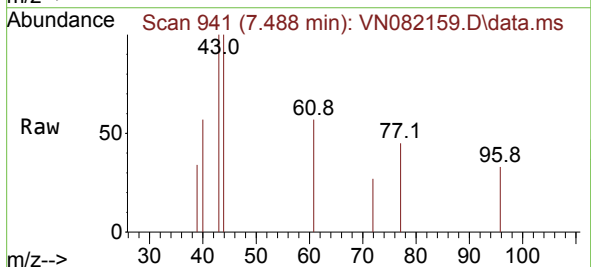
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

Tgt Ion: 43 Resp: 1410  
Ion Ratio Lower Upper  
43 100  
72 27.2 25.3 37.9

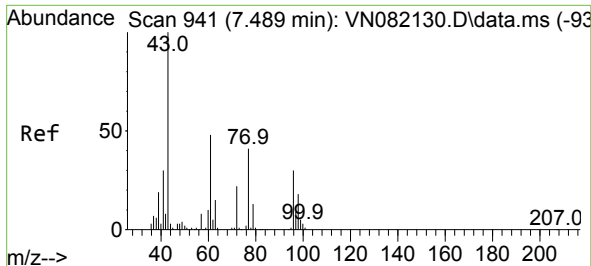


#26  
2,2-Dichloropropane  
Concen: 0.065 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 77 Resp: 251  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.3 33.9#

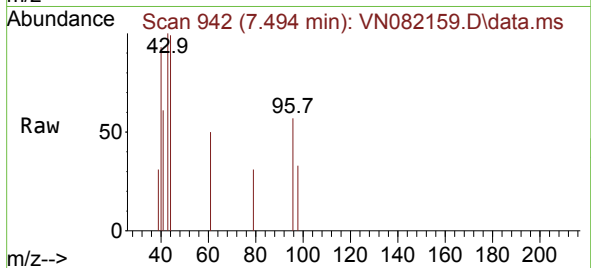






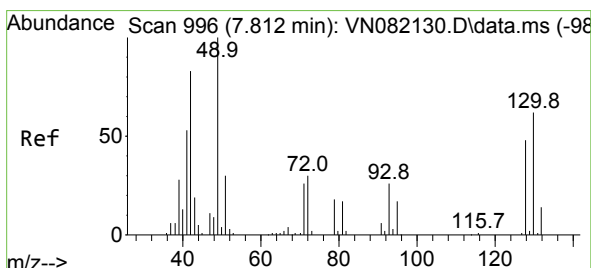
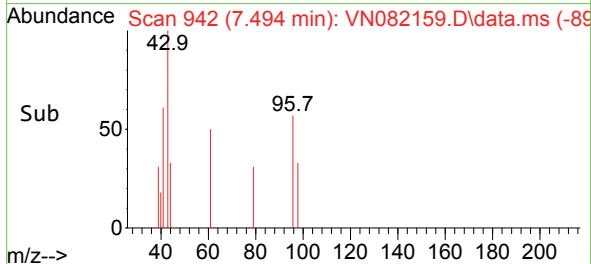
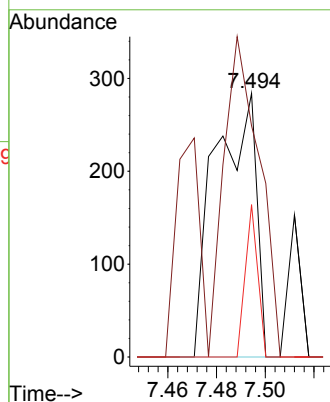
#27  
 cis-1,2-Dichloroethene  
 Concen: 0.129 ug/l  
 RT: 7.494 min Scan# 941  
 Delta R.T. 0.006 min  
 Lab File: VN082159.D  
 Acq: 16 May 2024 14:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT2-2024



Tgt Ion: 96 Resp: 331  

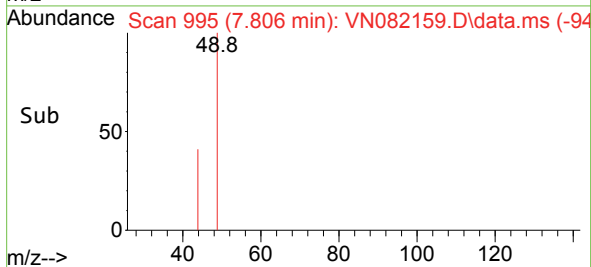
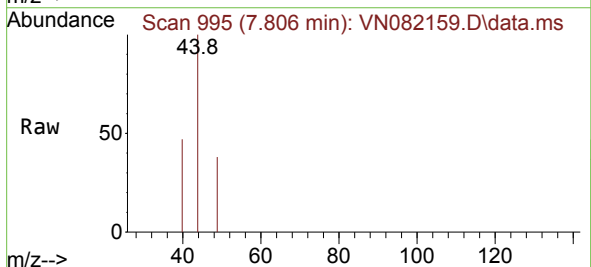
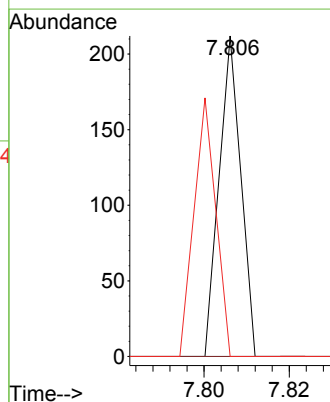
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 105.4 | 0.0   | 268.0 |
| 98  | 17.5  | 0.0   | 126.8 |

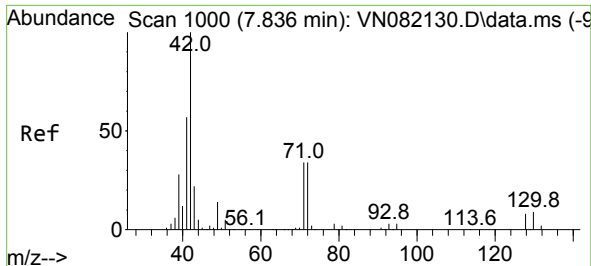


#28  
 Bromochloromethane  
 Concen: 0.035 ug/l  
 RT: 7.806 min Scan# 995  
 Delta R.T. -0.006 min  
 Lab File: VN082159.D  
 Acq: 16 May 2024 14:07

Tgt Ion: 49 Resp: 75  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 0.0   | 0.0   | 4.6   |
| 130 | 80.0  | 66.7  | 100.1 |





#29

Tetrahydrofuran

Concen: 0.756 ug/l

RT: 7.847 min Scan# 1000

Delta R.T. 0.011 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT2-2024

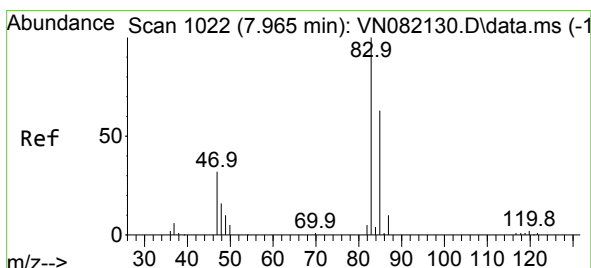
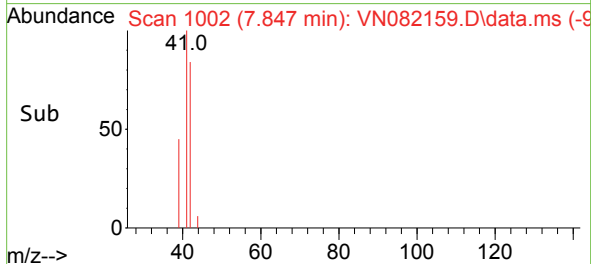
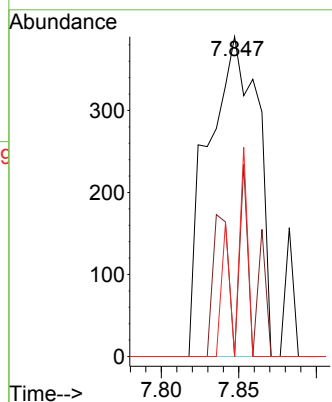
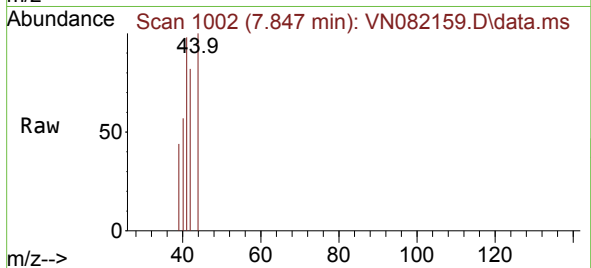
Tgt Ion: 42 Resp: 870

Ion Ratio Lower Upper

42 100

72 15.7 39.3 58.9#

71 16.9 37.4 56.0#



#30

Chloroform

Concen: 0.151 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN082159.D

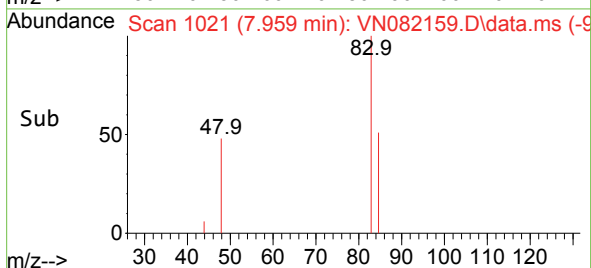
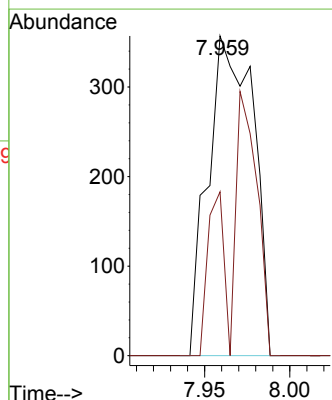
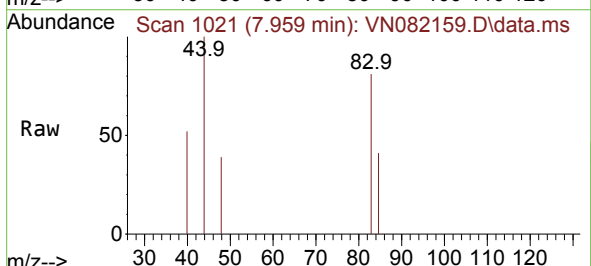
Acq: 16 May 2024 14:07

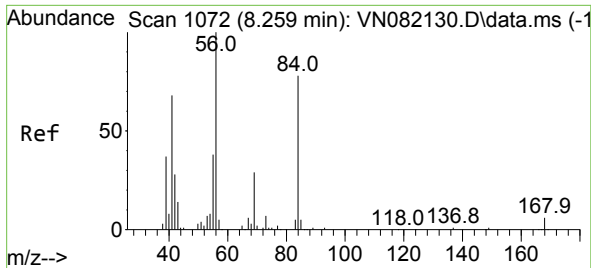
Tgt Ion: 83 Resp: 662

Ion Ratio Lower Upper

83 100

85 51.3 50.7 76.1

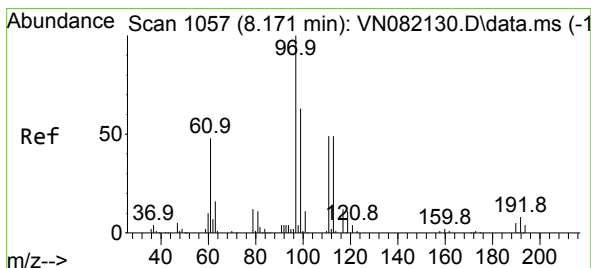
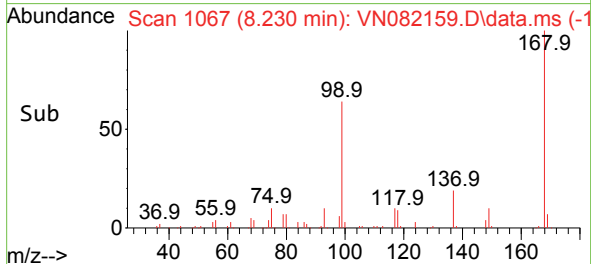
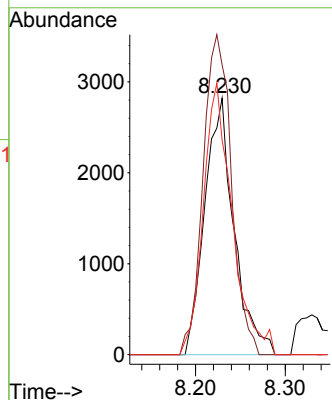
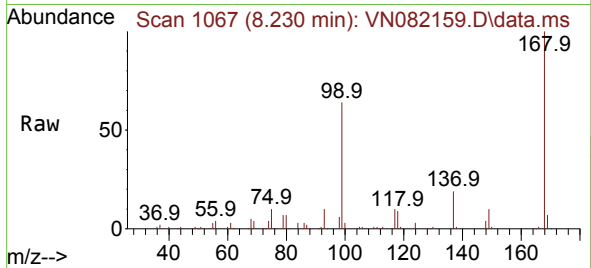




#31  
Cyclohexane  
Concen: 1.385 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.029 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

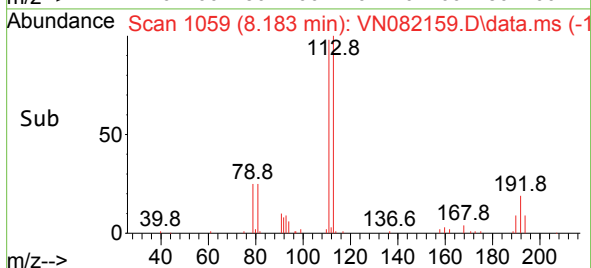
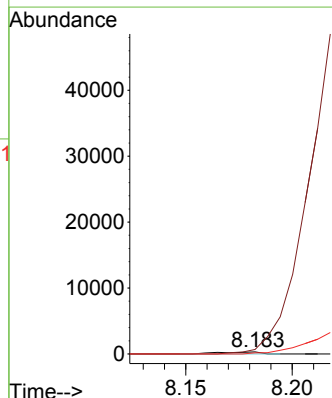
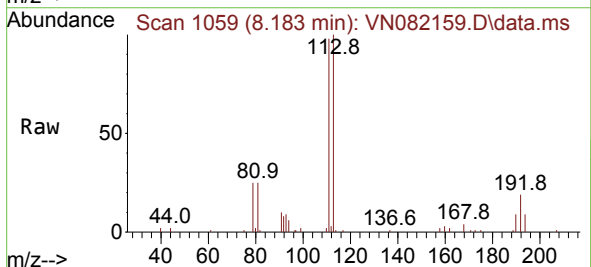
Instrument : MSVOA\_N  
ClientSampleId : MDL-WATER-03-QT2-2024

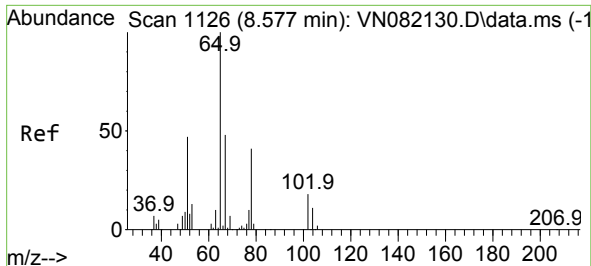
Tgt Ion: 56 Resp: 6375  
Ion Ratio Lower Upper  
56 100  
69 113.0 24.4 36.6#  
84 83.5 77.0 115.4



#32  
1,1,1-Trichloroethane  
Concen: 0.105 ug/l  
RT: 8.183 min Scan# 1059  
Delta R.T. 0.012 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 97 Resp: 407  
Ion Ratio Lower Upper  
97 100  
99 0.0 50.3 75.5#  
61 0.0 36.6 55.0#





#33

1,2-Dichloroethane-d4

Concen: 51.488 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

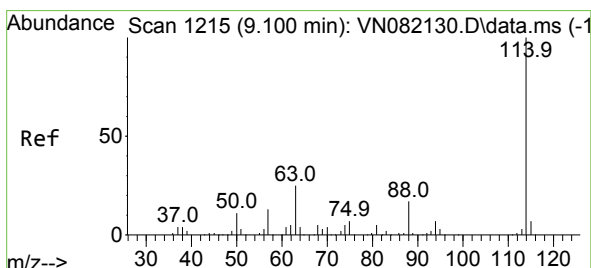
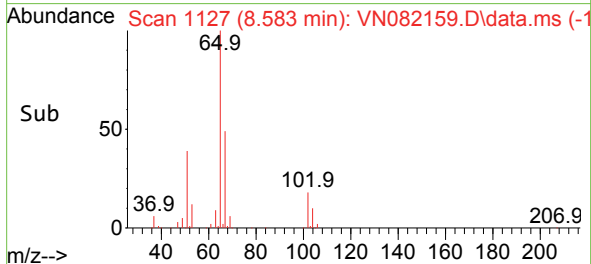
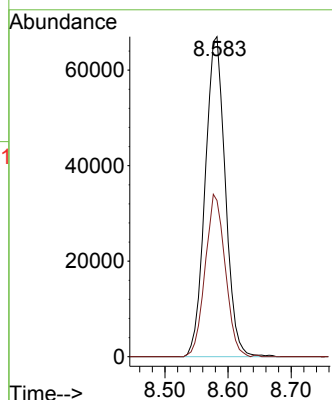
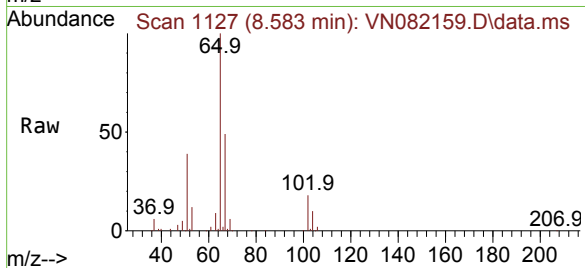
MDL-WATER-03-QT2-2024

Tgt Ion: 65 Resp: 148429

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

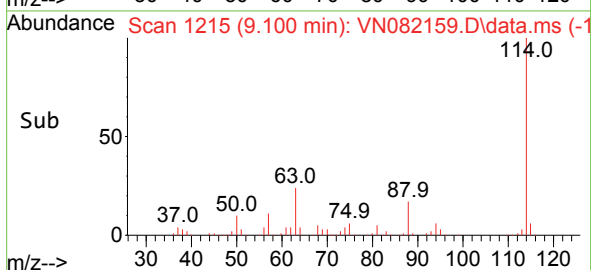
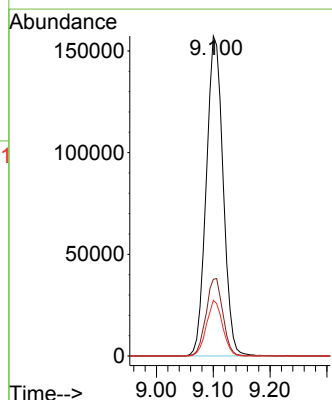
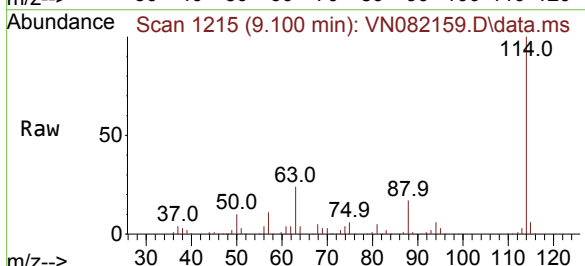
Tgt Ion: 114 Resp: 322612

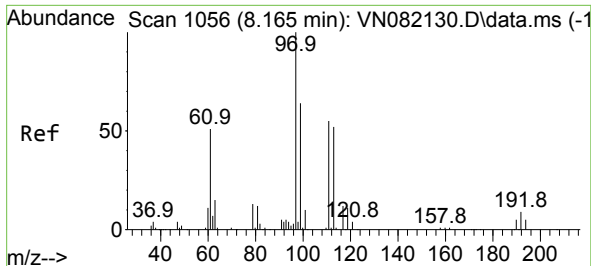
Ion Ratio Lower Upper

114 100

63 23.9 0.0 41.0

88 17.4 0.0 31.4

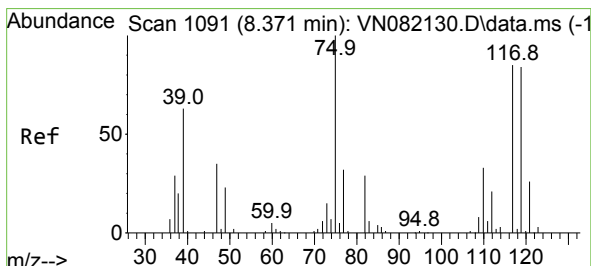
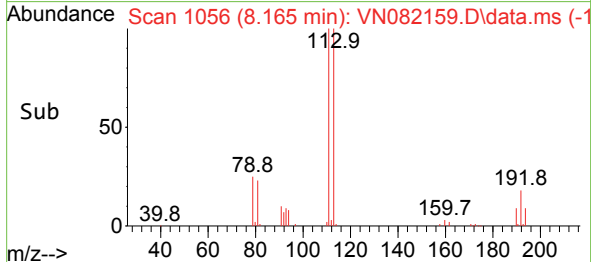
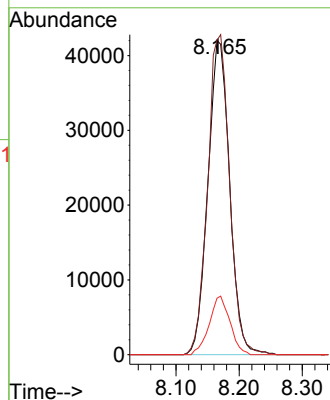
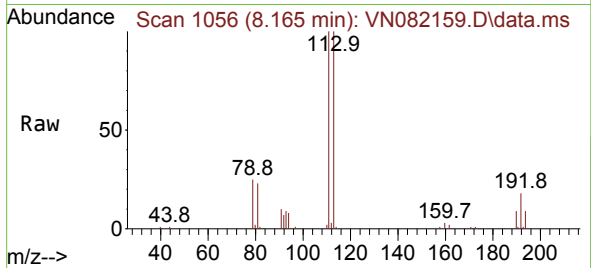




#35  
Dibromofluoromethane  
Concen: 50.701 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

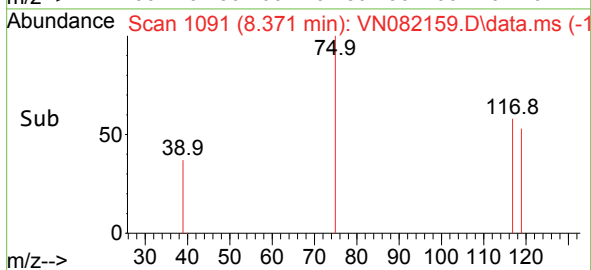
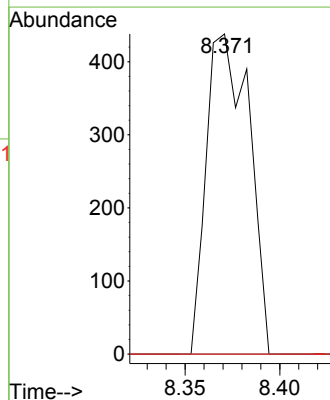
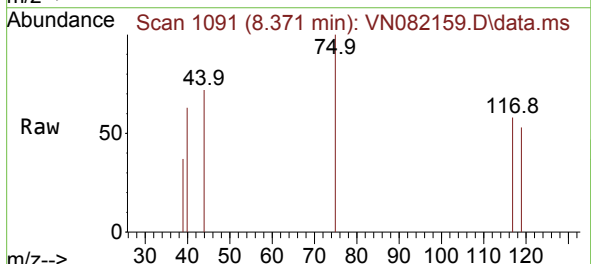
Instrument : MSVOA\_N  
ClientSampleId : MDL-WATER-03-QT2-2024

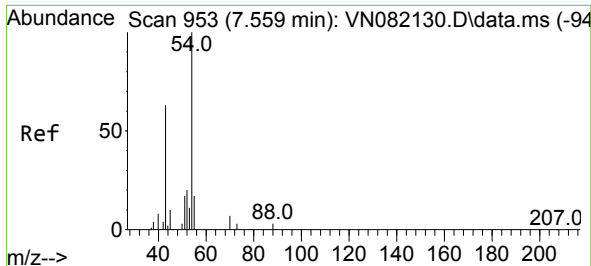
Tgt Ion:113 Resp: 100619  
Ion Ratio Lower Upper  
113 100  
111 102.5 83.4 125.2  
192 17.7 14.0 21.0



#36  
1,1-Dichloropropene  
Concen: 0.206 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 75 Resp: 687  
Ion Ratio Lower Upper  
75 100  
110 0.0 17.8 53.5#  
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.090 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN082159.D

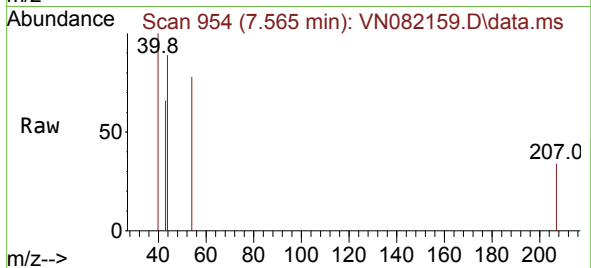
Acq: 16 May 2024 14:07

Instrument :

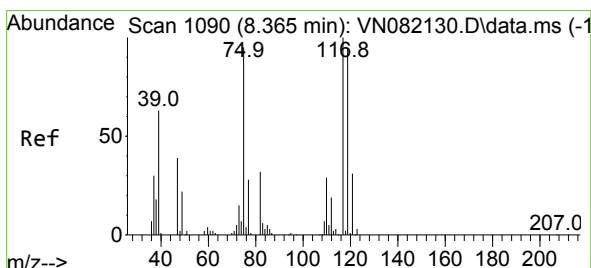
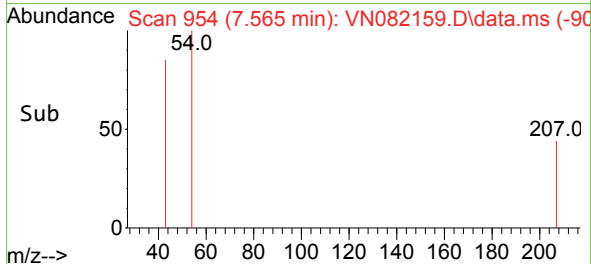
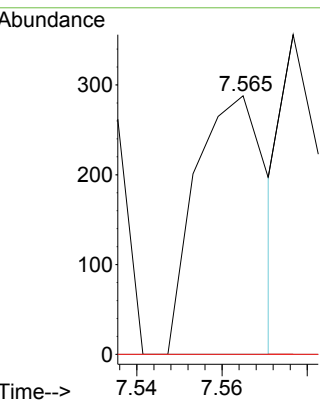
MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT2-2024



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 335   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 11.3  | 16.9# |
| 70       | 0.0   | 8.7   | 13.1# |



#38

Carbon Tetrachloride

Concen: 5.889 ug/l

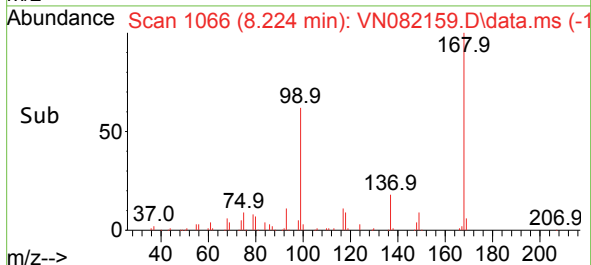
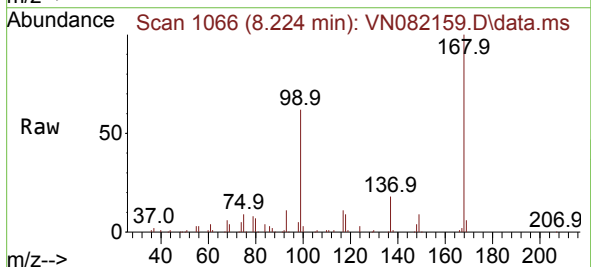
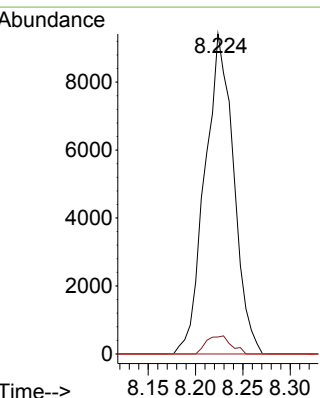
RT: 8.224 min Scan# 1066

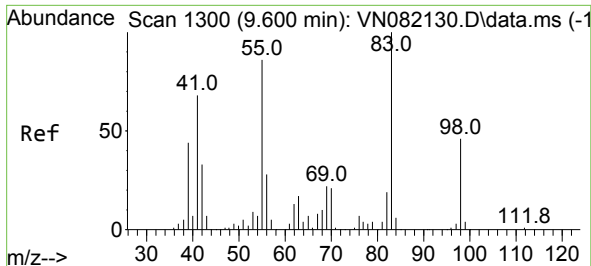
Delta R.T. -0.141 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 19869  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.3   | 76.5  | 114.7# |
| 121      | 0.0   | 23.9  | 35.9#  |

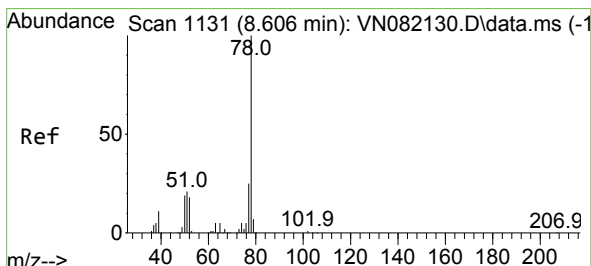
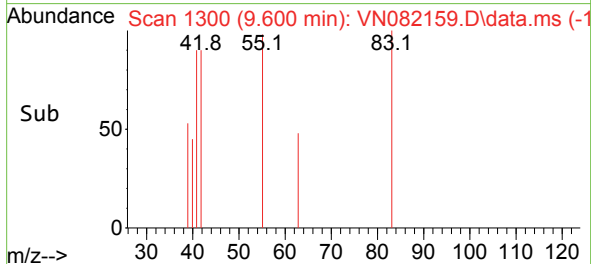
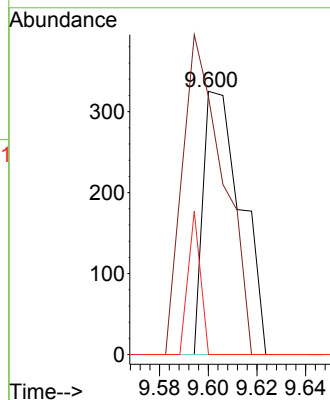
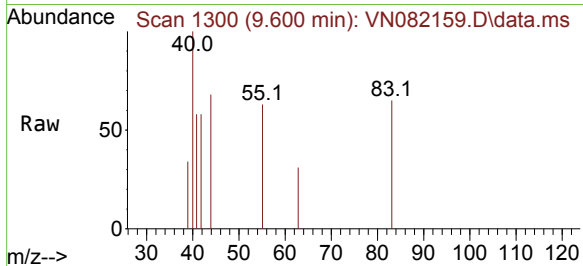




#39  
Methylcyclohexane  
Concen: 0.097 ug/l  
RT: 9.600 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

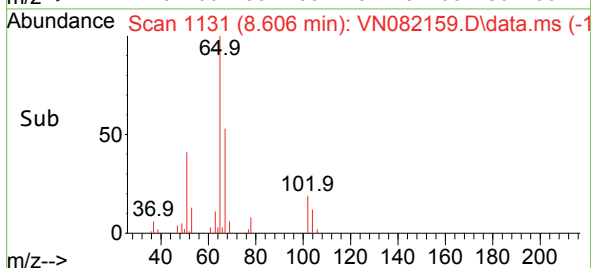
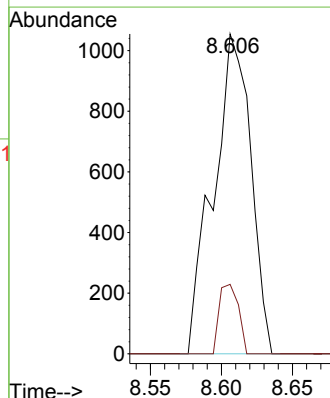
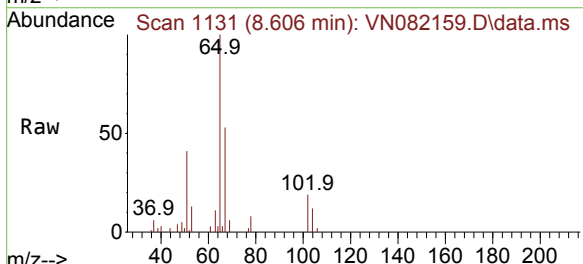
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

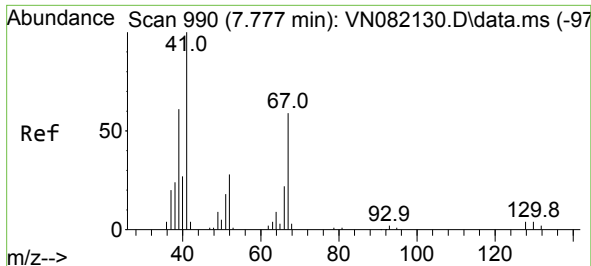
Tgt Ion: 83 Resp: 353  
Ion Ratio Lower Upper  
83 100  
55 97.8 53.0 79.6#  
98 0.0 37.1 55.7#



#40  
Benzene  
Concen: 0.195 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 78 Resp: 1936  
Ion Ratio Lower Upper  
78 100  
77 21.7 20.0 30.0

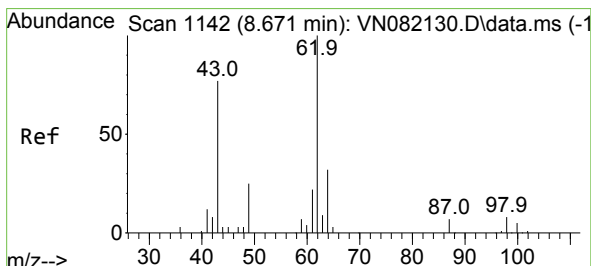
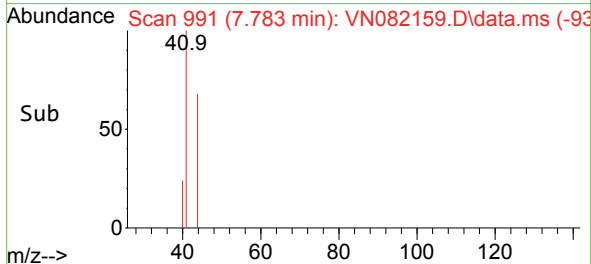
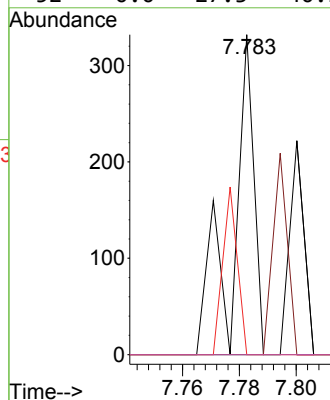
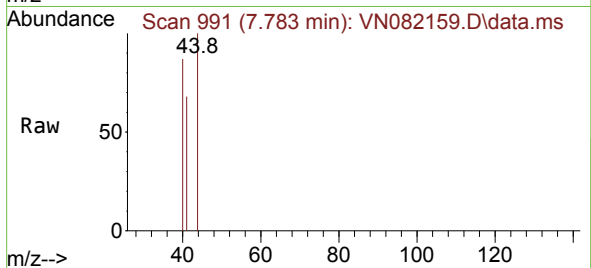




#41  
Methacrylonitrile  
Concen: 0.079 ug/l  
RT: 7.783 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

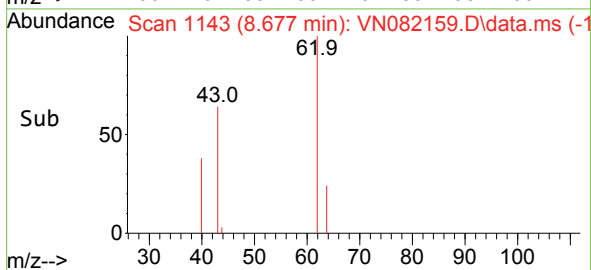
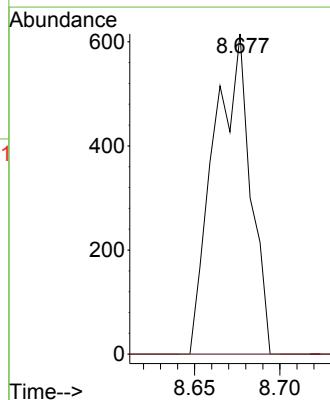
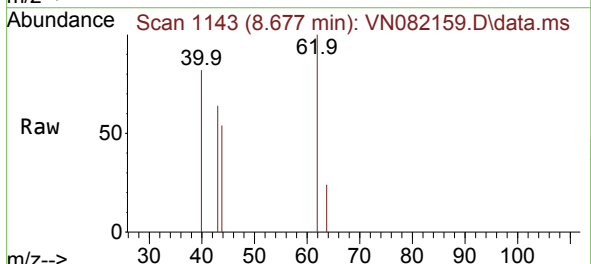
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 174    |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 0.0   | 46.6  | 69.8#  |
| 67       | 35.1  | 67.3  | 100.9# |
| 52       | 0.0   | 27.3  | 40.9#  |

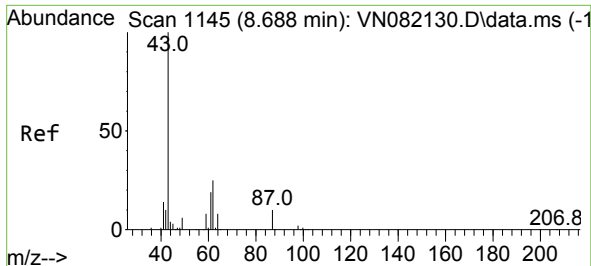


#42  
1,2-Dichloroethane  
Concen: 0.241 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 920   |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 0.0   | 0.0   | 19.6  |

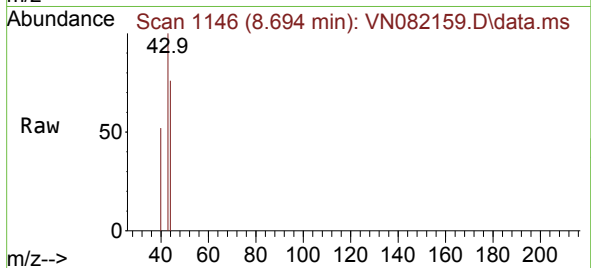




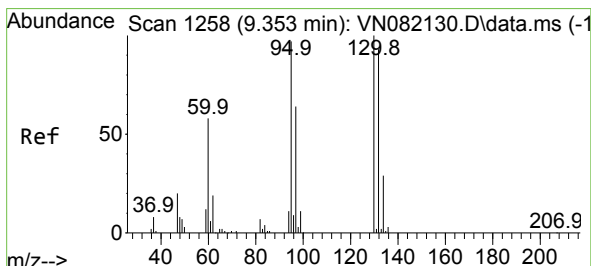
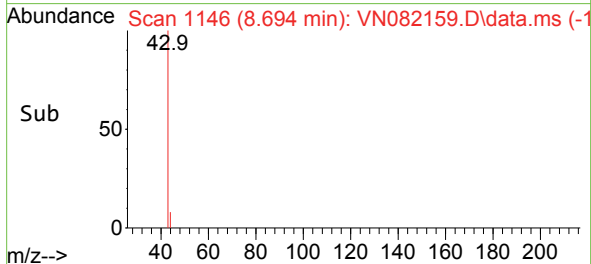
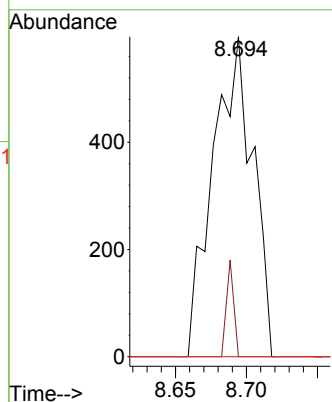


#43  
Isopropyl Acetate  
Concen: 0.177 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

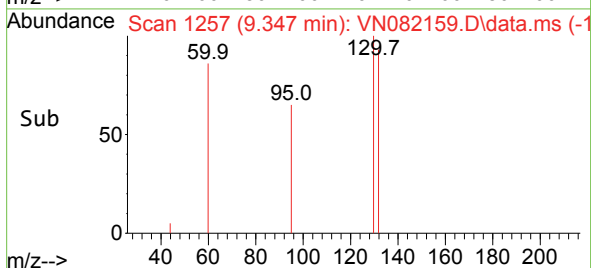
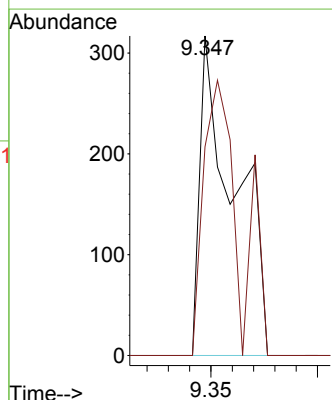
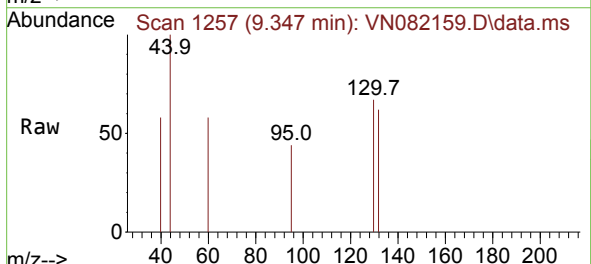


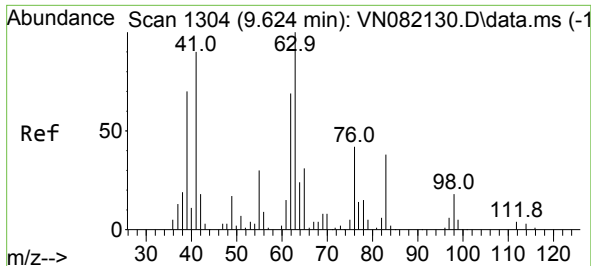
Tgt Ion: 43 Resp: 1167  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.8 34.2#  
87 0.0 12.0 18.0#



#44  
Trichloroethene  
Concen: 0.159 ug/l  
RT: 9.347 min Scan# 1257  
Delta R.T. -0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 130 Resp: 359  
Ion Ratio Lower Upper  
130 100  
95 65.3 0.0 195.4





#45

1,2-Dichloropropane

Concen: 0.124 ug/l

RT: 9.630 min Scan# 1305

Delta R.T. 0.006 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

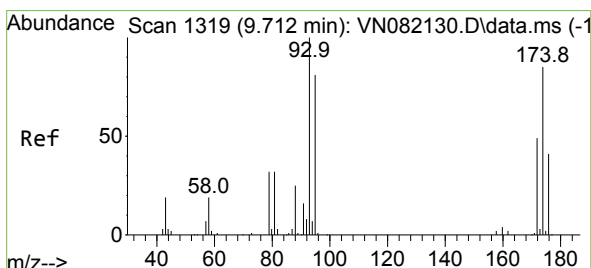
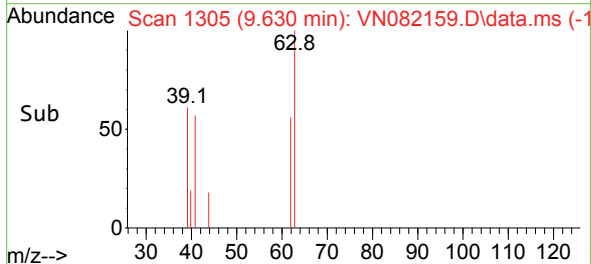
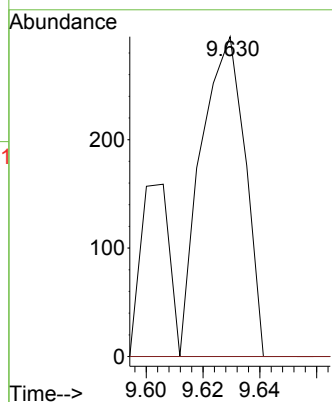
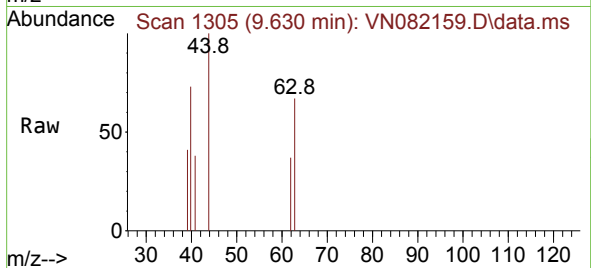
MDL-WATER-03-QT2-2024

Tgt Ion: 63 Resp: 317

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#46

Dibromomethane

Concen: 0.065 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

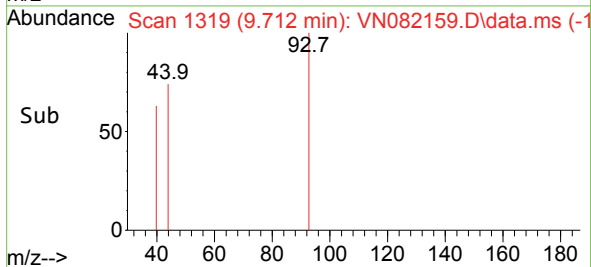
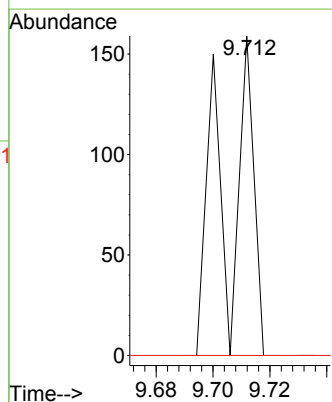
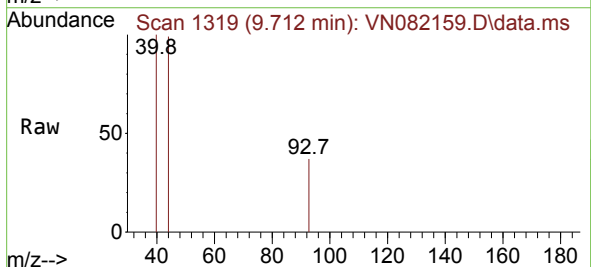
Tgt Ion: 93 Resp: 109

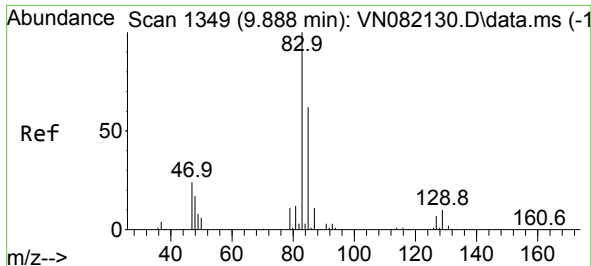
Ion Ratio Lower Upper

93 100

95 0.0 64.8 97.2#

174 0.0 73.4 110.0#

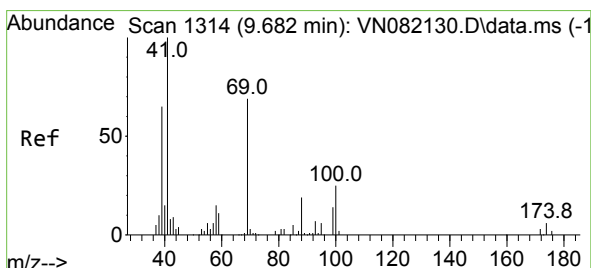
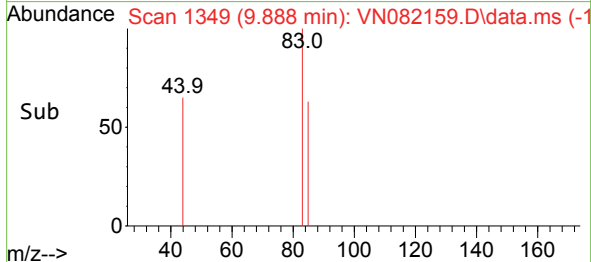
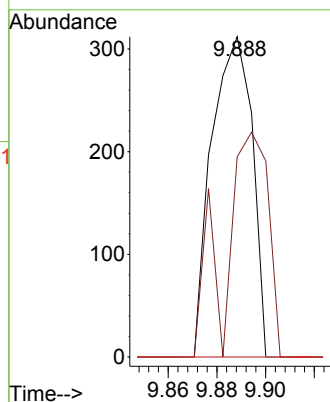
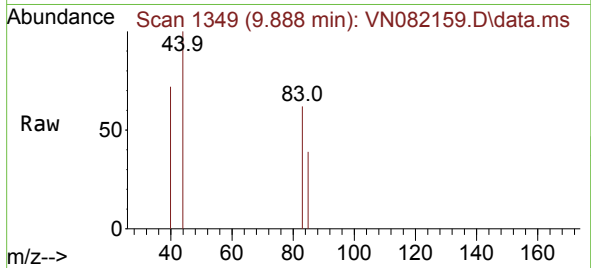




#47  
Bromodichloromethane  
Concen: 0.101 ug/l  
RT: 9.888 min Scan# 1349  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

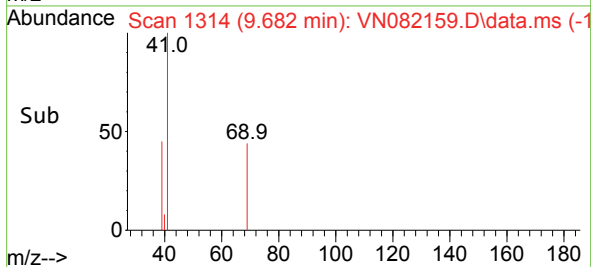
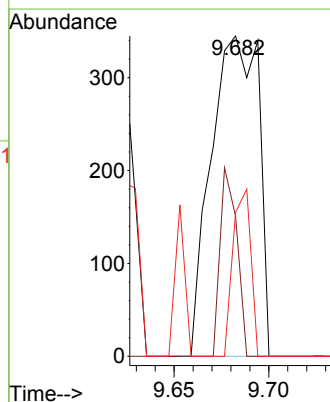
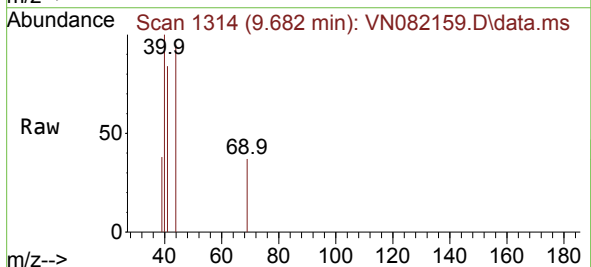
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

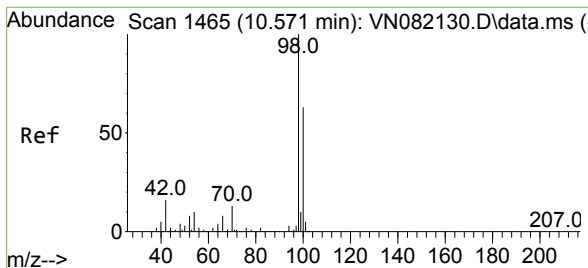
Tgt Ion: 83 Resp: 360  
Ion Ratio Lower Upper  
83 100  
85 62.5 51.9 77.9  
127 0.0 7.5 11.3#



#48  
Methyl methacrylate  
Concen: 0.190 ug/l  
RT: 9.682 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 41 Resp: 599  
Ion Ratio Lower Upper  
41 100  
69 20.9 77.9 116.9#  
39 19.7 50.9 76.3#





#50

Toluene-d8

Concen: 48.246 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

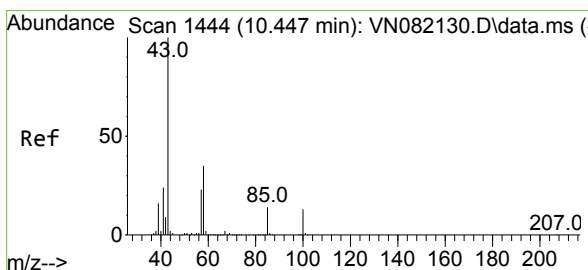
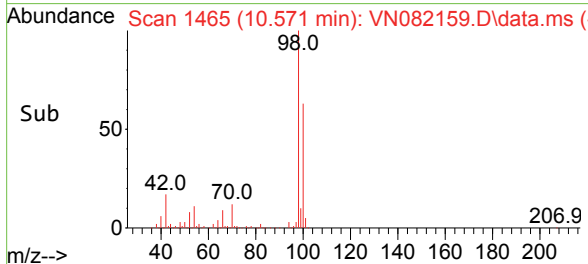
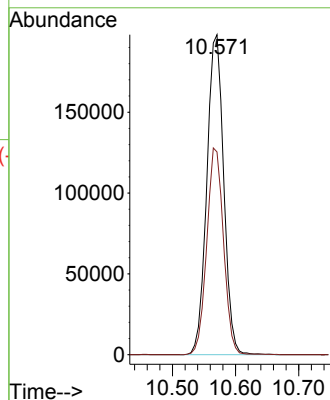
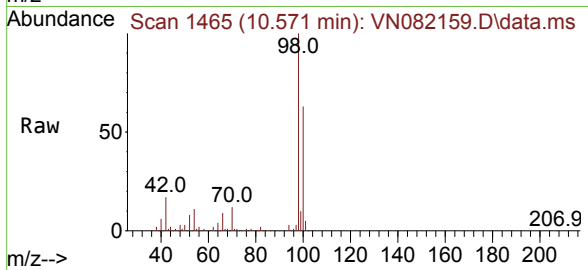
MDL-WATER-03-QT2-2024

Tgt Ion: 98 Resp: 367089

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.6



#51

4-Methyl-2-Pentanone

Concen: 0.729 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN082159.D

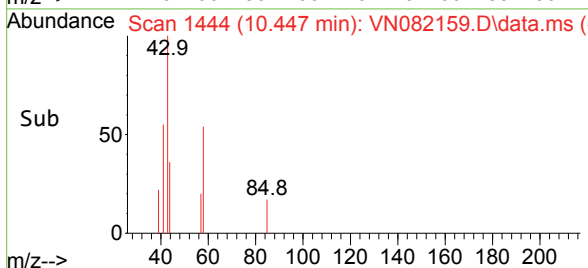
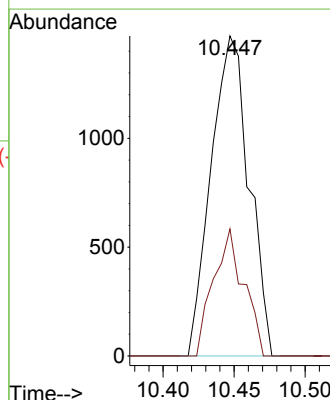
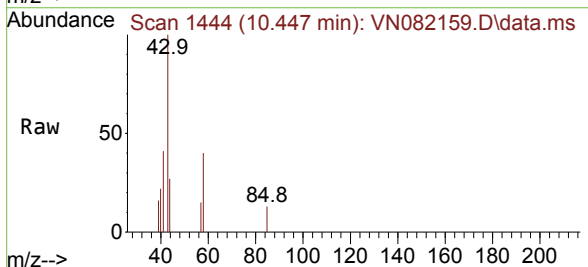
Acq: 16 May 2024 14:07

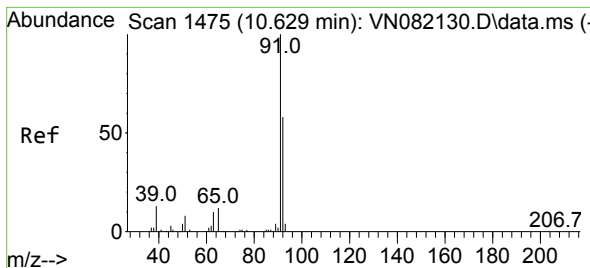
Tgt Ion: 43 Resp: 2733

Ion Ratio Lower Upper

43 100

58 31.7 33.2 49.8#





#52

Toluene

Concen: 0.147 ug/l

RT: 10.635 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN082159.D

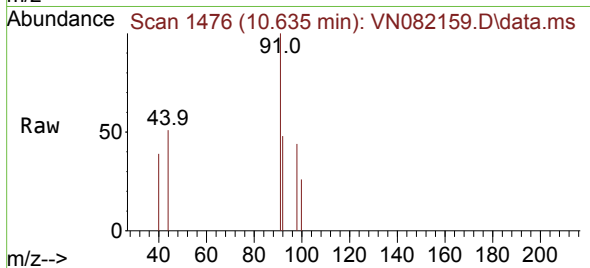
Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT2-2024

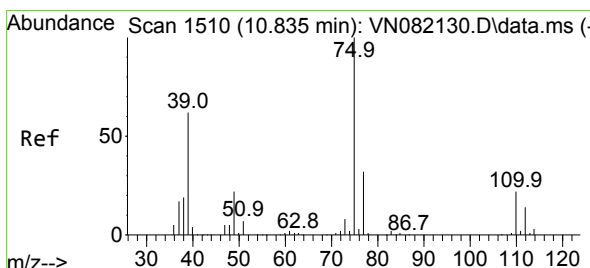
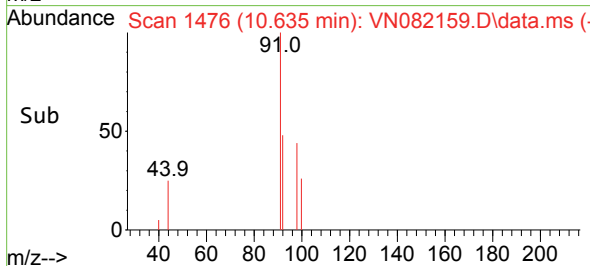
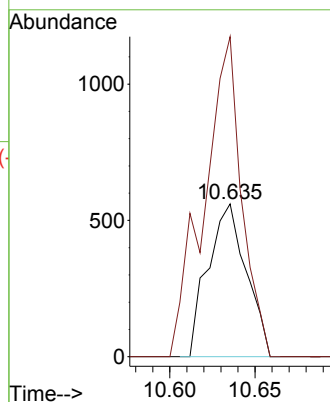


Tgt Ion: 92 Resp: 877

Ion Ratio Lower Upper

92 100

91 205.6 136.7 205.1#



#53

t-1,3-Dichloropropene

Concen: 0.177 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. -0.000 min

Lab File: VN082159.D

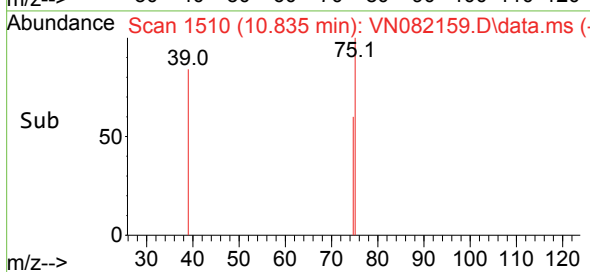
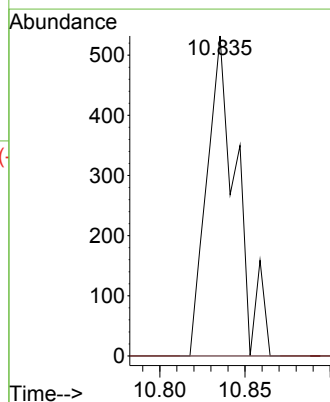
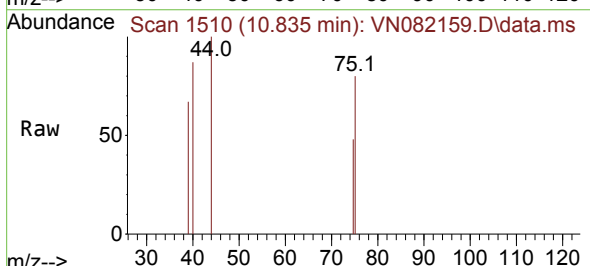
Acq: 16 May 2024 14:07

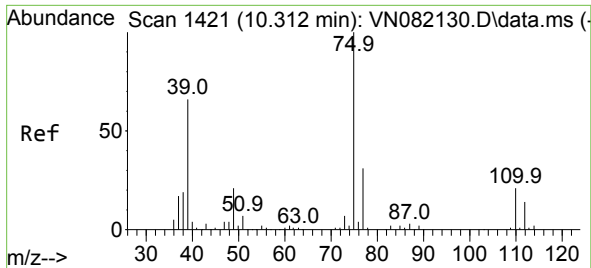
Tgt Ion: 75 Resp: 650

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

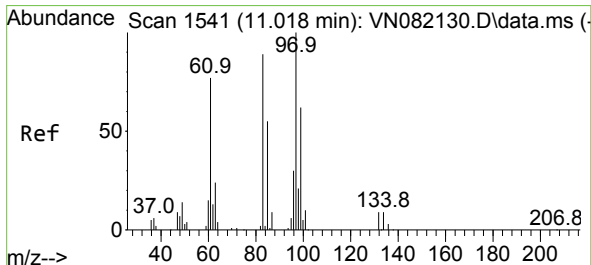
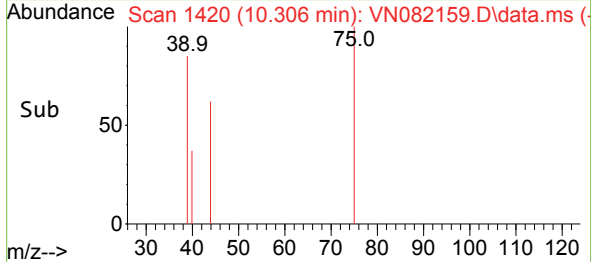
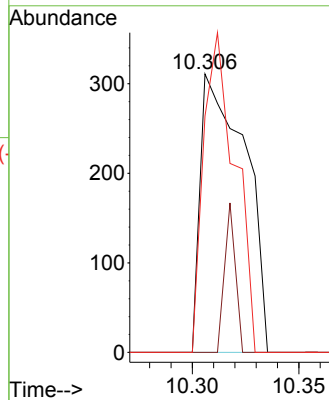
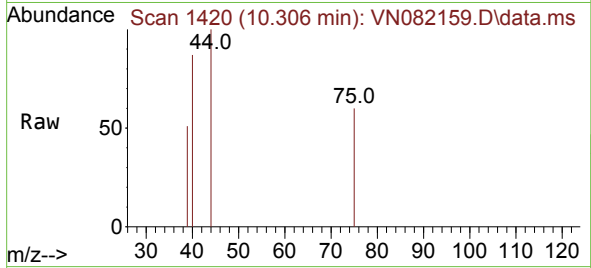




#54  
 cis-1,3-Dichloropropene  
 Concen: 0.116 ug/l  
 RT: 10.306 min Scan# 1420  
 Delta R.T. -0.006 min  
 Lab File: VN082159.D  
 Acq: 16 May 2024 14:07

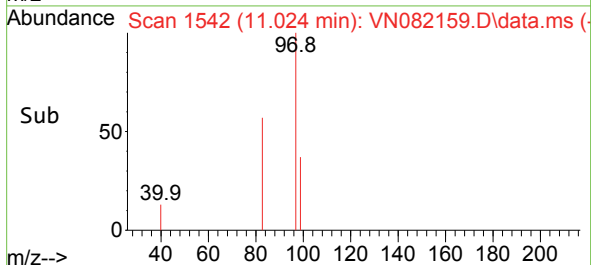
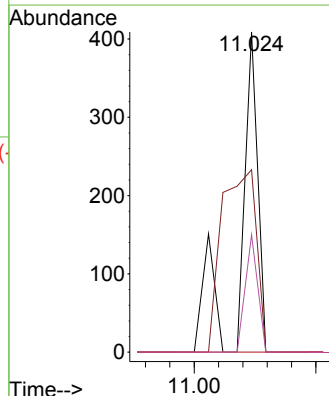
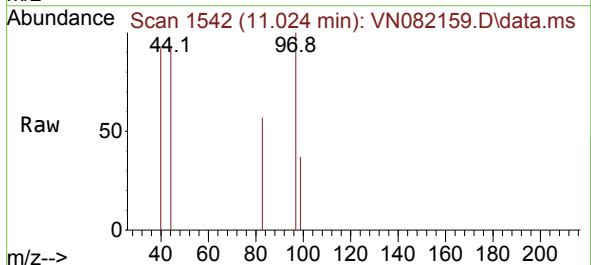
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT2-2024

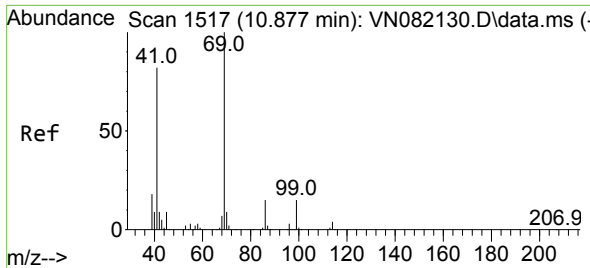
Tgt Ion: 75 Resp: 451  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.0 37.4#  
 39 84.9 34.8 52.2#



#55  
 1,1,2-Trichloroethane  
 Concen: 0.091 ug/l  
 RT: 11.024 min Scan# 1542  
 Delta R.T. 0.006 min  
 Lab File: VN082159.D  
 Acq: 16 May 2024 14:07

Tgt Ion: 97 Resp: 198  
 Ion Ratio Lower Upper  
 97 100  
 83 57.0 70.4 105.6#  
 85 0.0 45.6 68.4#  
 99 36.7 50.9 76.3#

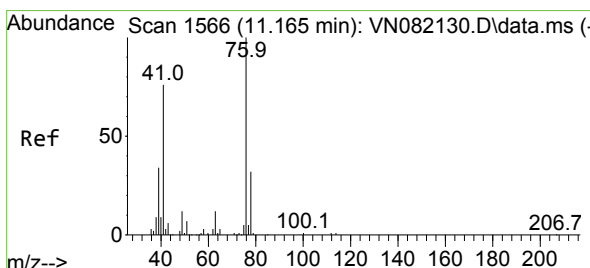
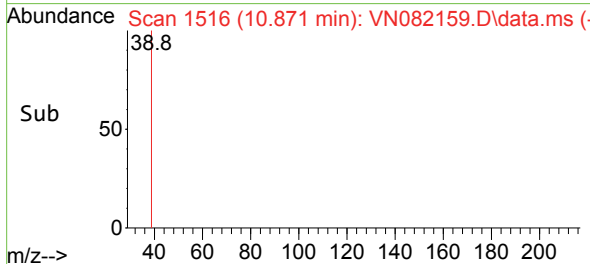
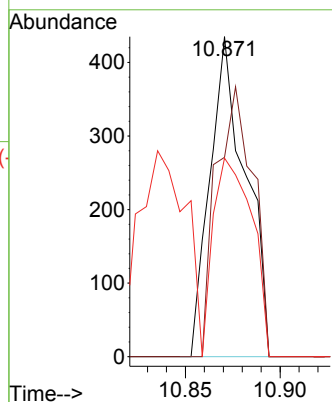
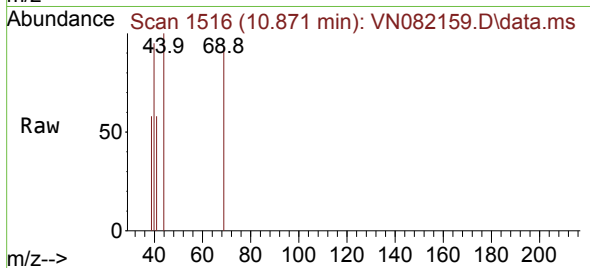




#56  
Ethyl methacrylate  
Concen: 0.155 ug/l  
RT: 10.871 min Scan# 1517  
Delta R.T. -0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

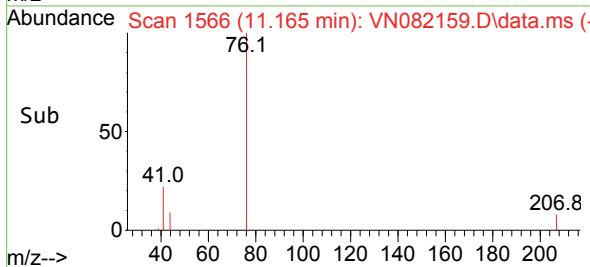
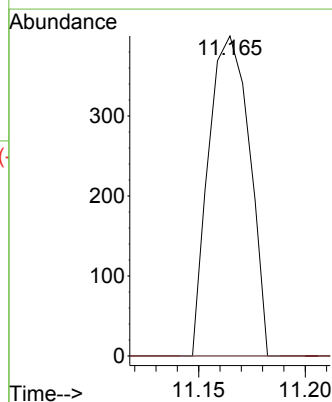
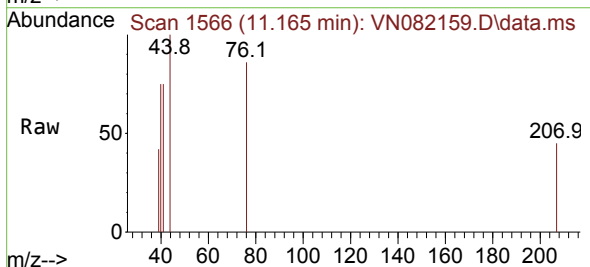
Instrument : MSVOA\_N  
ClientSampleId : MDL-WATER-03-QT2-2024

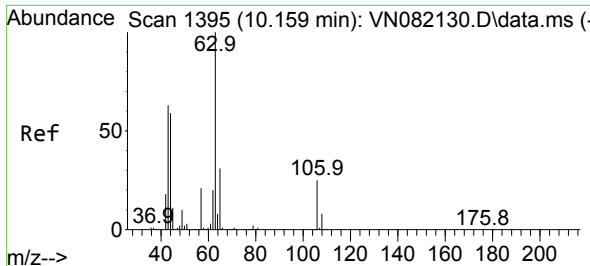
Tgt Ion: 69 Resp: 569  
Ion Ratio Lower Upper  
69 100  
41 86.8 46.6 70.0#  
39 67.7 26.5 39.7#



#57  
1,3-Dichloropropane  
Concen: 0.132 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 76 Resp: 534  
Ion Ratio Lower Upper  
76 100  
78 0.0 25.8 38.6#

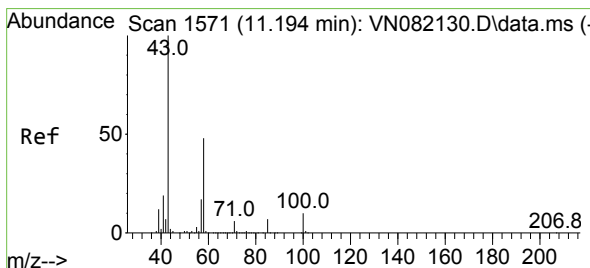
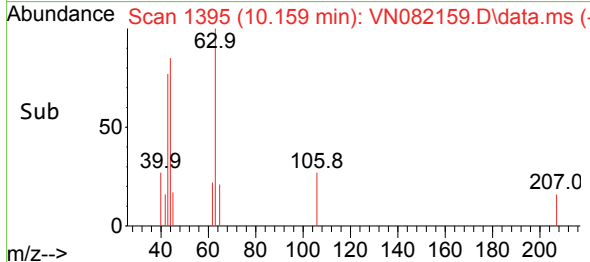
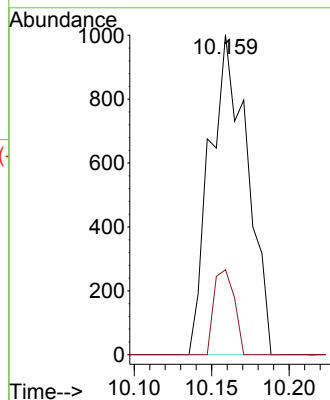
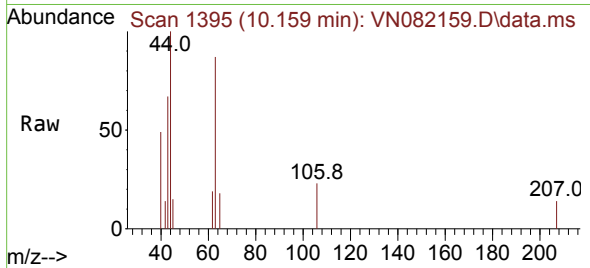




#58  
2-Chloroethyl Vinyl ether  
Concen: 0.886 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

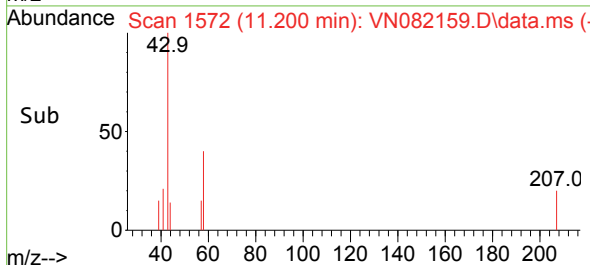
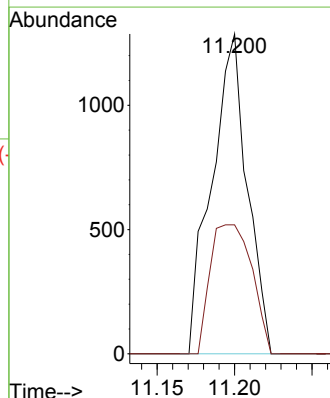
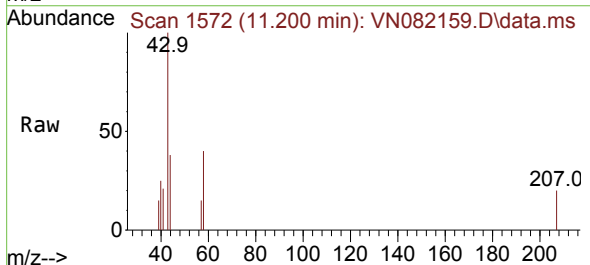
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

Tgt Ion: 63 Resp: 1680  
Ion Ratio Lower Upper  
63 100  
106 14.5 24.6 36.8#

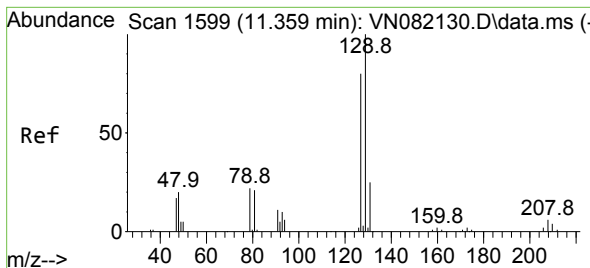


#59  
2-Hexanone  
Concen: 0.747 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 43 Resp: 2052  
Ion Ratio Lower Upper  
43 100  
58 47.3 28.3 84.9







#60

Dibromochloromethane

Concen: 0.154 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

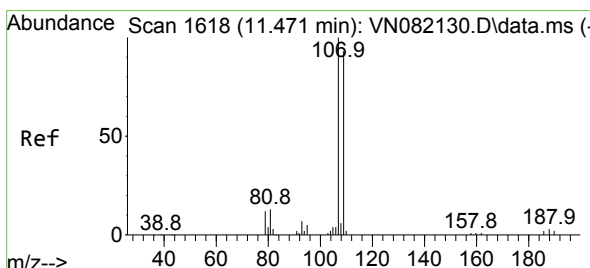
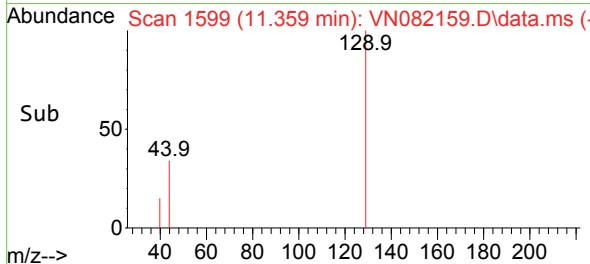
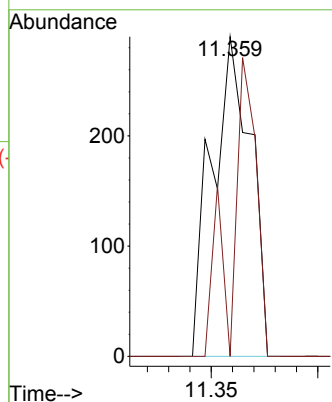
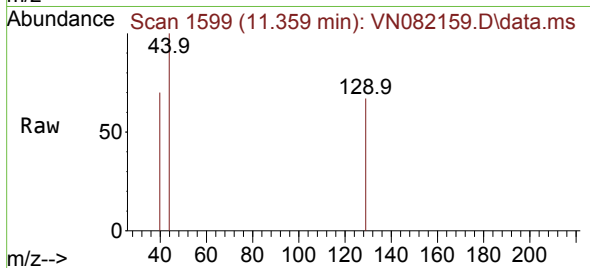
MDL-WATER-03-QT2-2024

Tgt Ion:129 Resp: 368

Ion Ratio Lower Upper

129 100

127 59.8 38.3 114.8



#61

1,2-Dibromoethane

Concen: 0.051 ug/l

RT: 11.459 min Scan# 1616

Delta R.T. -0.012 min

Lab File: VN082159.D

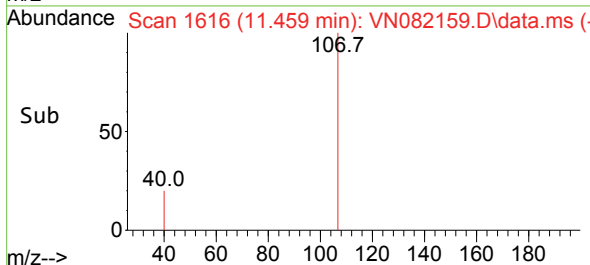
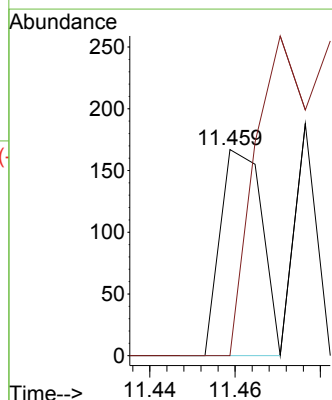
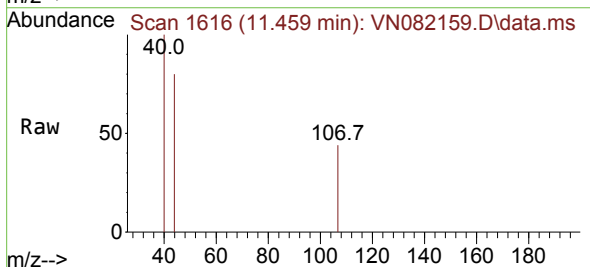
Acq: 16 May 2024 14:07

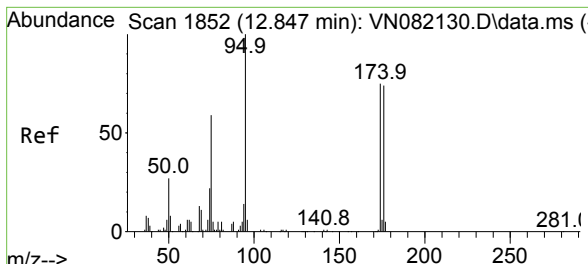
Tgt Ion:107 Resp: 114

Ion Ratio Lower Upper

107 100

109 274.6 75.8 113.6#

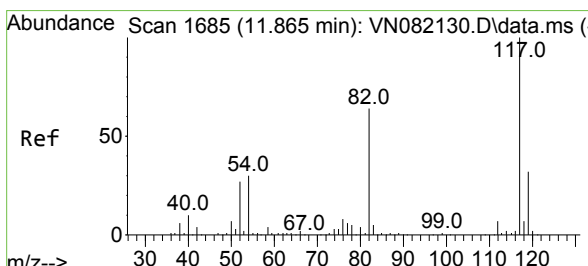
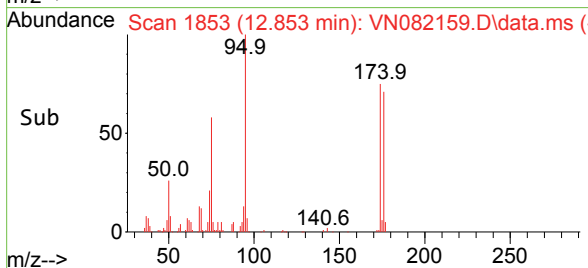
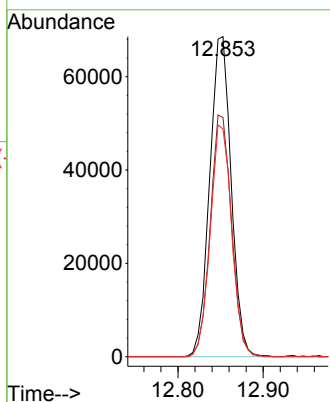
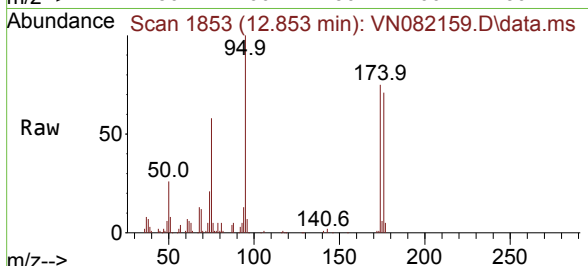




#62  
4-Bromofluorobenzene  
Concen: 44.214 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

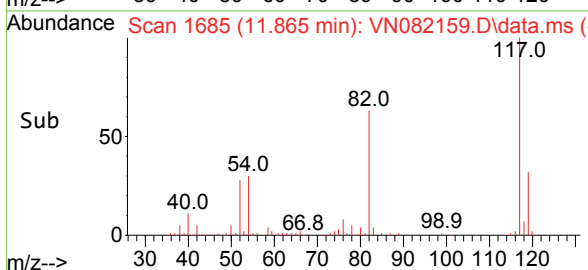
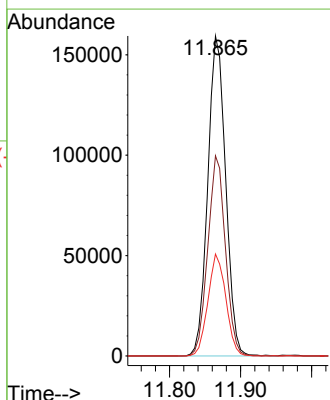
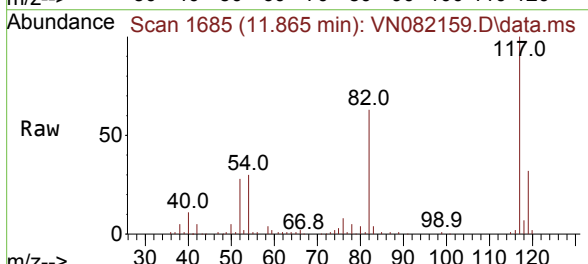
Instrument : MSVOA\_N  
ClientSampleId : MDL-WATER-03-QT2-2024

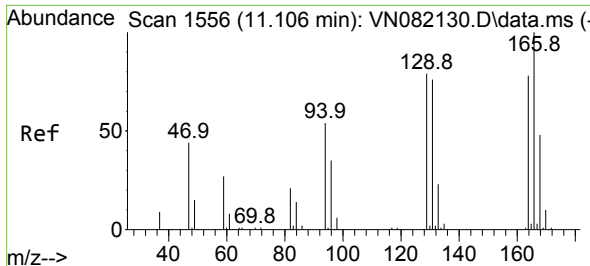
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 120073 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 74.8  | 0.0   | 160.6  |
| 176      | 71.8  | 0.0   | 152.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

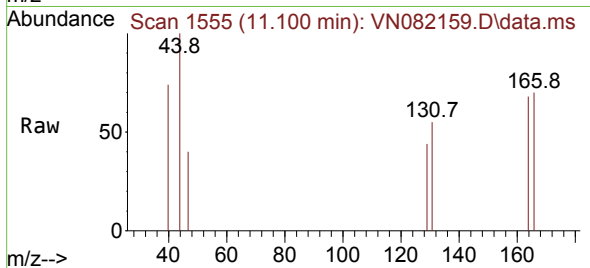
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 278808 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 62.5  | 44.6  | 66.8   |
| 119      | 31.9  | 25.9  | 38.9   |



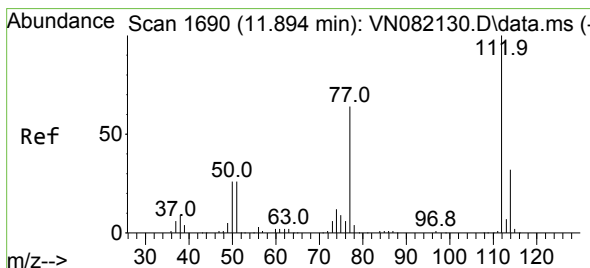
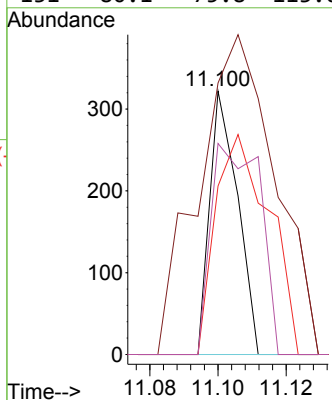
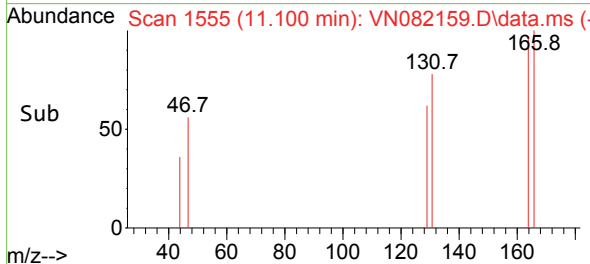


#64  
Tetrachloroethene  
Concen: 0.088 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. -0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

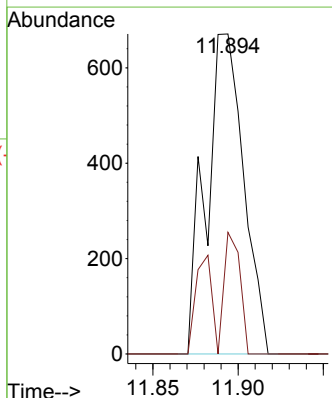
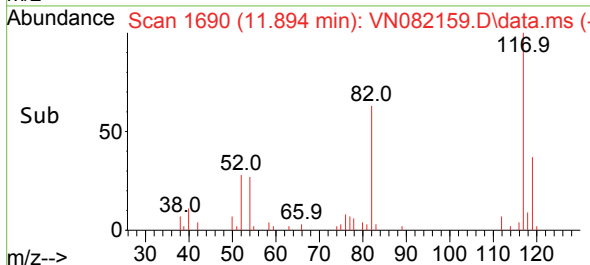
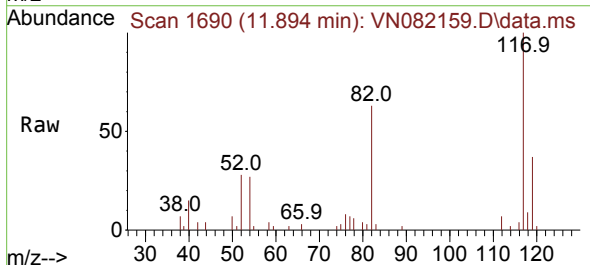


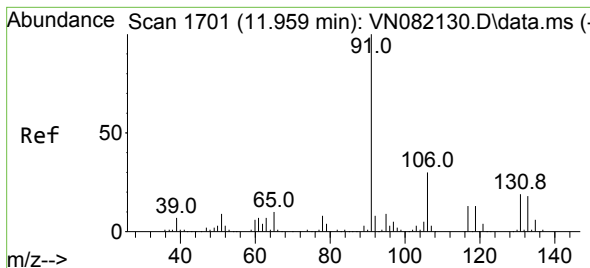
Tgt Ion:164 Resp: 182  
Ion Ratio Lower Upper  
164 100  
166 49.4 97.6 146.4#  
129 64.0 73.7 110.5#  
131 80.1 75.8 113.6



#65  
Chlorobenzene  
Concen: 0.167 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion:112 Resp: 1028  
Ion Ratio Lower Upper  
112 100  
114 38.0 25.7 38.5





#66

1,1,1,2-Tetrachloroethane

Concen: 0.130 ug/l

RT: 11.971 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT2-2024

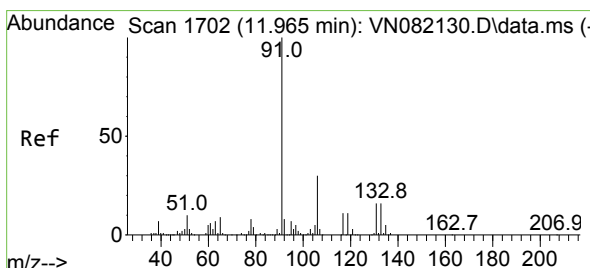
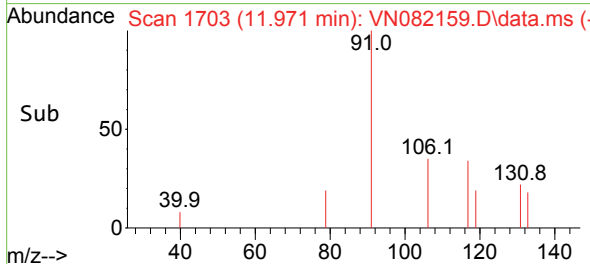
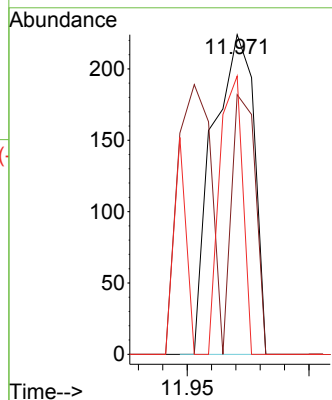
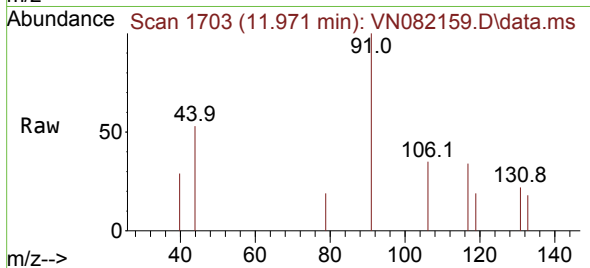
Tgt Ion:131 Resp: 264

Ion Ratio Lower Upper

131 100

133 47.0 47.5 142.6#

119 0.0 32.9 98.7#



#67

Ethyl Benzene

Concen: 0.167 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.006 min

Lab File: VN082159.D

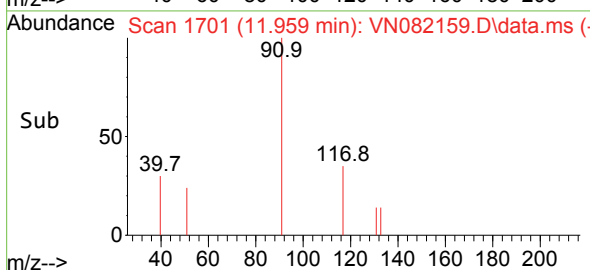
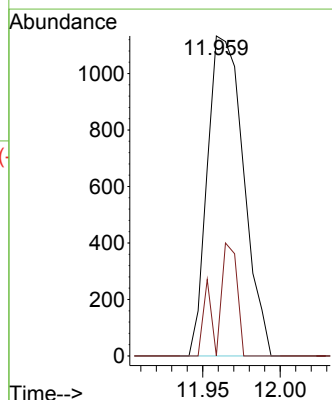
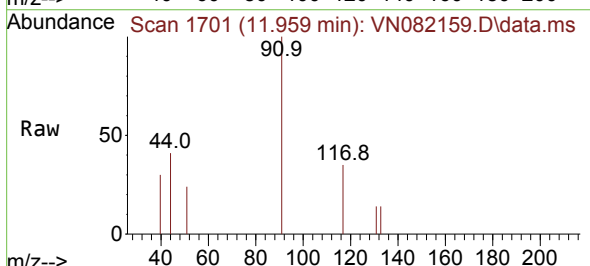
Acq: 16 May 2024 14:07

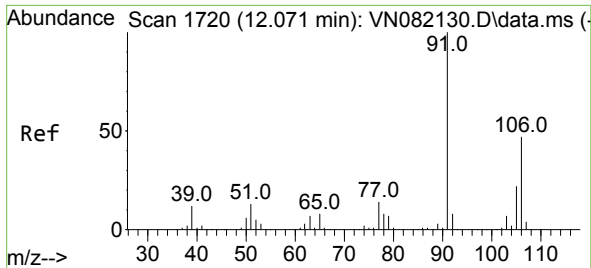
Tgt Ion: 91 Resp: 1837

Ion Ratio Lower Upper

91 100

106 0.0 25.3 37.9#

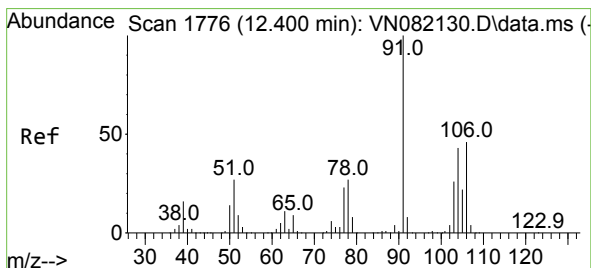
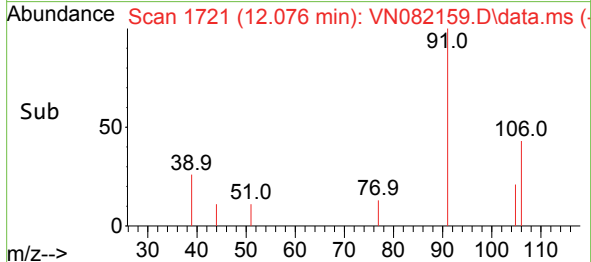
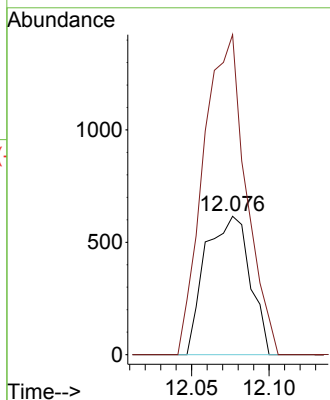
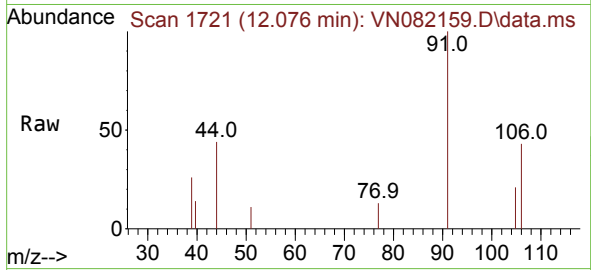




#68  
m/p-Xylenes  
Concen: 0.304 ug/l  
RT: 12.076 min Scan# 1720  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

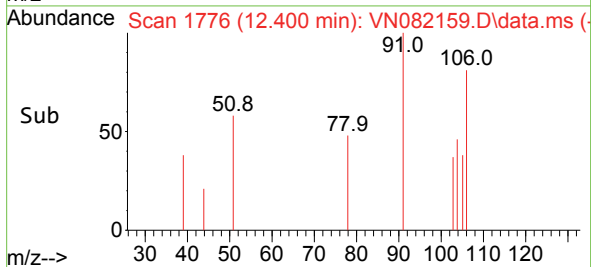
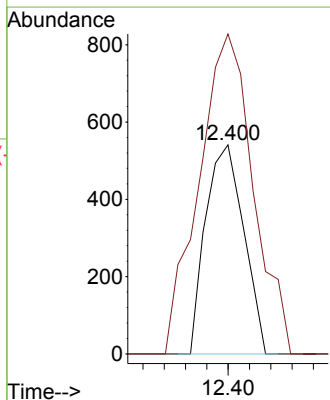
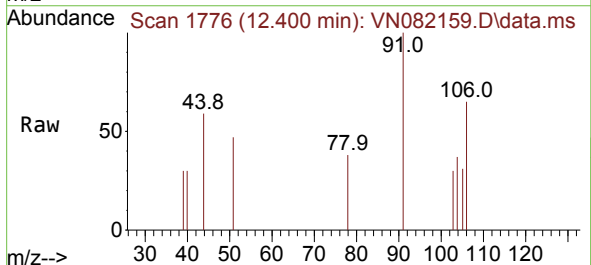
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

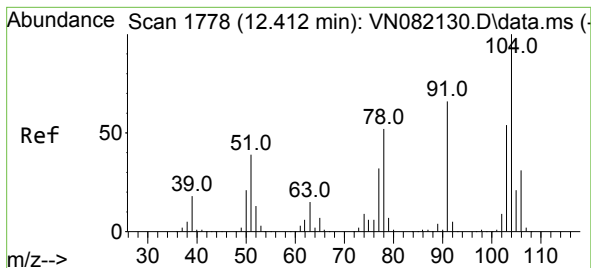
Tgt Ion:106 Resp: 1228  
Ion Ratio Lower Upper  
106 100  
91 221.0 159.4 239.0



#69  
o-Xylene  
Concen: 0.172 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion:106 Resp: 672  
Ion Ratio Lower Upper  
106 100  
91 218.3 104.7 314.1





#70

Styrene

Concen: 0.119 ug/l

RT: 12.418 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

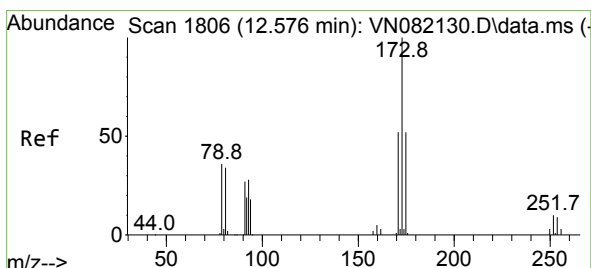
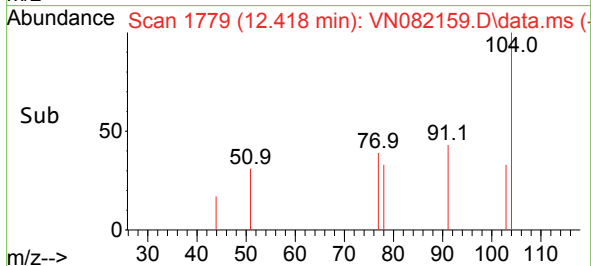
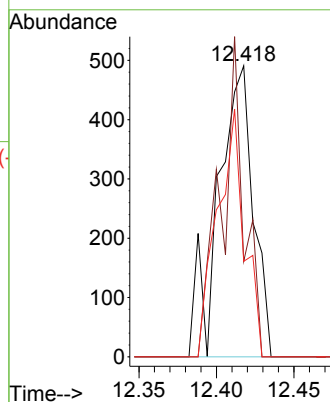
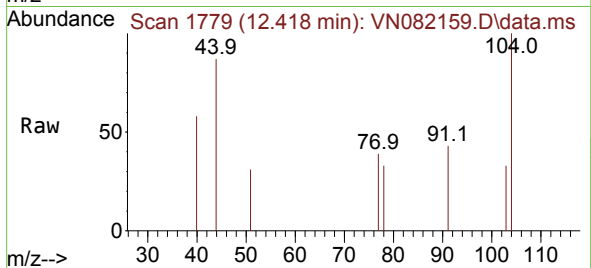
Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT2-2024

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 104   | Resp: | 770   |
| Ion Ratio | Lower | Upper |       |
| 104       | 100   |       |       |
| 78        | 72.5  | 38.6  | 58.0# |
| 103       | 65.5  | 43.8  | 65.6  |



#71

Bromoform

Concen: 0.104 ug/l

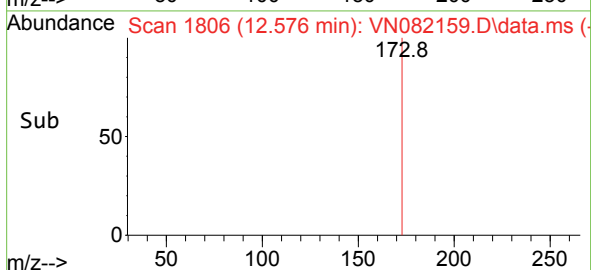
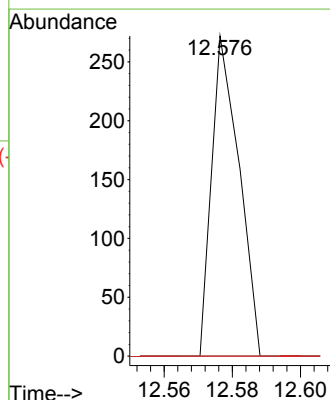
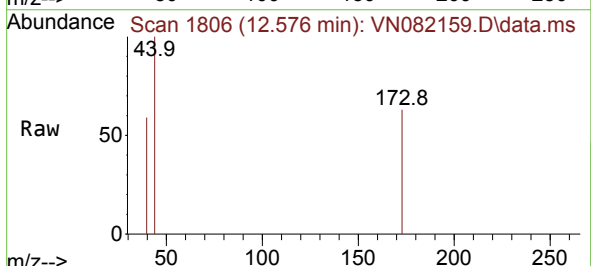
RT: 12.576 min Scan# 1806

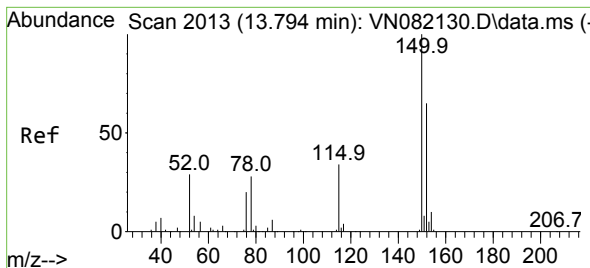
Delta R.T. 0.000 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 152   |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 0.0   | 24.6  | 74.0# |
| 254       | 0.0   | 0.0   | 0.0   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082159.D

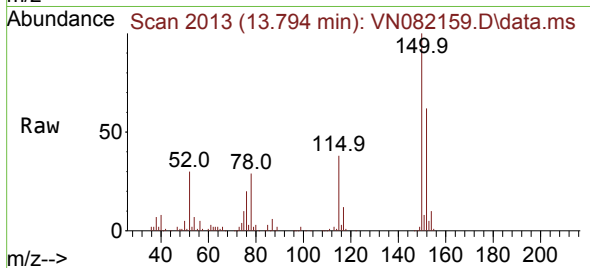
Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT2-2024



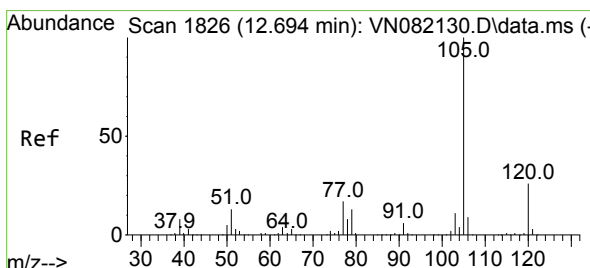
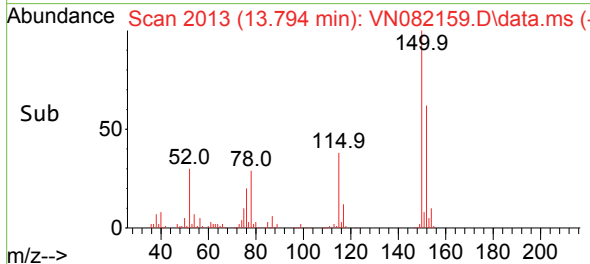
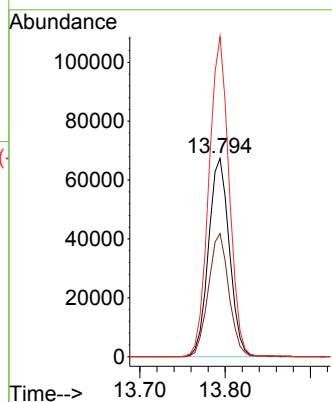
Tgt Ion:152 Resp: 114404

Ion Ratio Lower Upper

152 100

115 61.3 30.4 91.3

150 156.6 0.0 353.2



#73

Isopropylbenzene

Concen: 0.153 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN082159.D

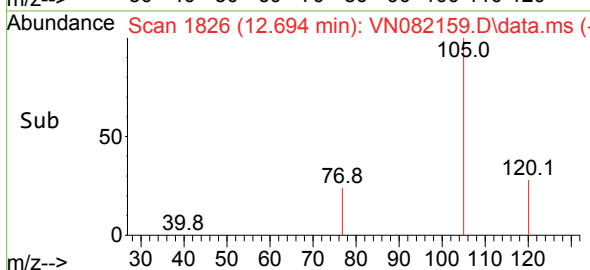
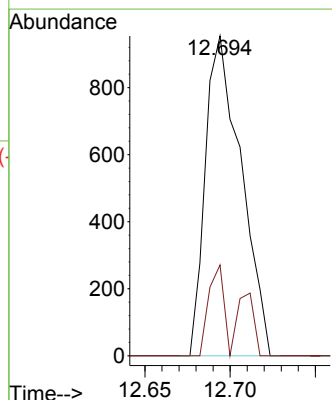
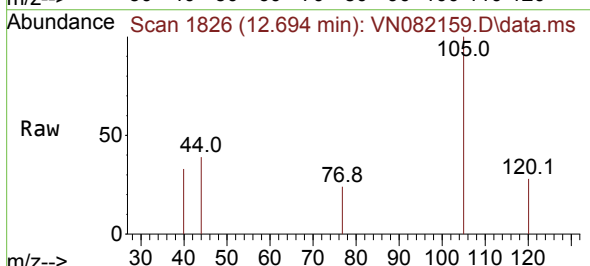
Acq: 16 May 2024 14:07

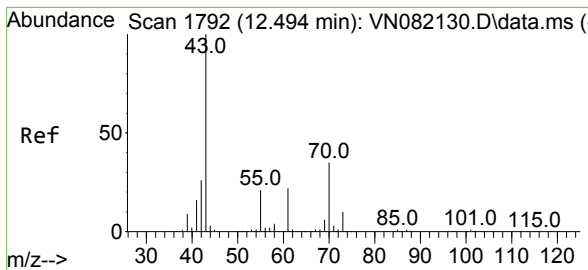
Tgt Ion:105 Resp: 1389

Ion Ratio Lower Upper

105 100

120 12.1 13.4 40.1#

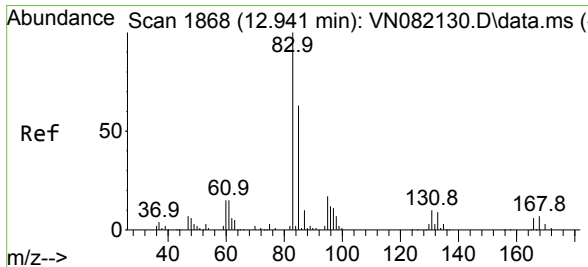
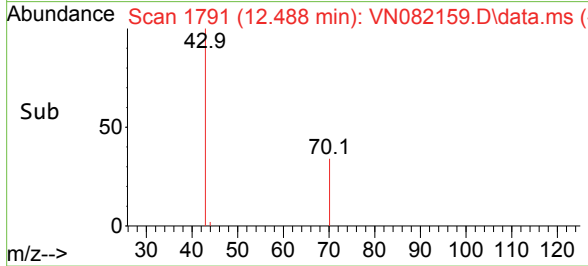
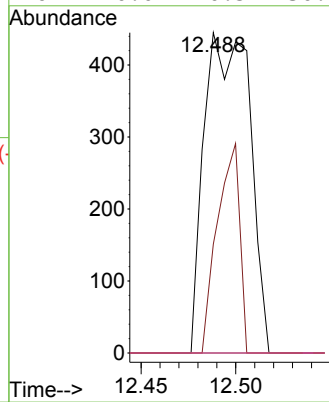
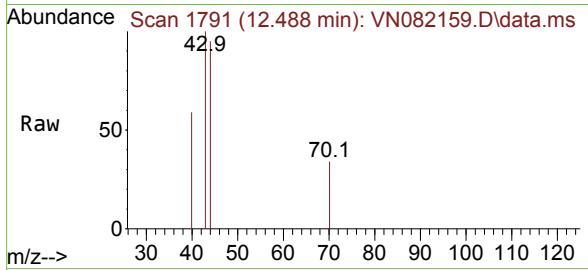




#74  
N-amy1 acetate  
Concen: 0.149 ug/l  
RT: 12.488 min Scan# 1791  
Delta R.T. -0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

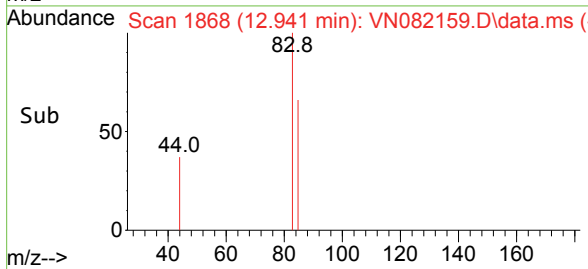
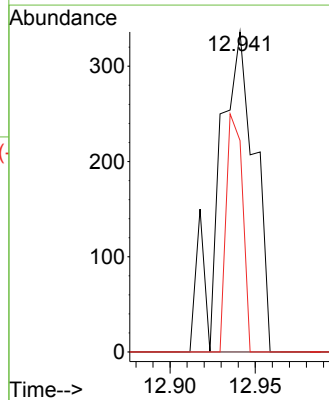
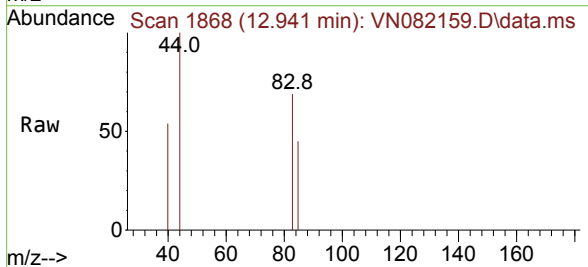
Instrument : MSVOA\_N  
ClientSampleId : MDL-WATER-03-QT2-2024

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 746   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 32.0  | 39.0  | 58.4# |
| 55       | 0.0   | 21.3  | 31.9# |
| 61       | 0.0   | 20.5  | 30.7# |

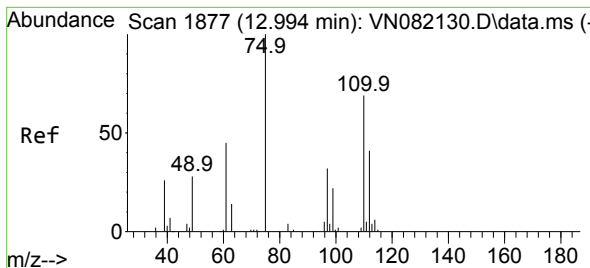


#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.190 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 497   |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 0.0   | 5.5   | 16.4# |
| 85       | 33.6  | 32.9  | 98.6  |







#76

1,2,3-Trichloropropane

Concen: 29.005 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

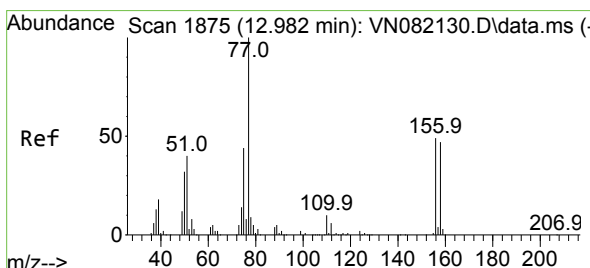
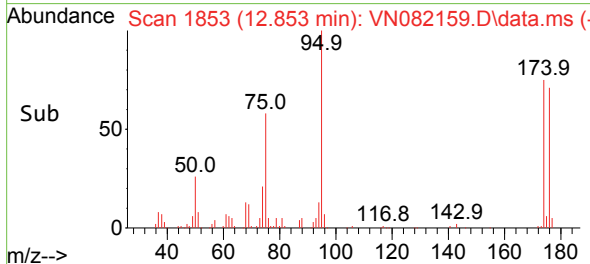
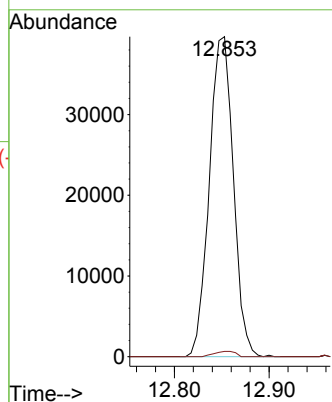
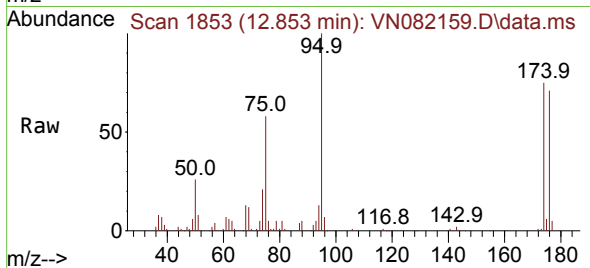
MDL-WATER-03-QT2-2024

Tgt Ion: 75 Resp: 69843

Ion Ratio Lower Upper

75 100

77 1.5 90.5 271.3#



#77

Bromobenzene

Concen: 0.234 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

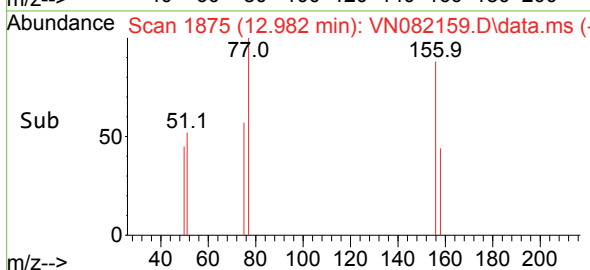
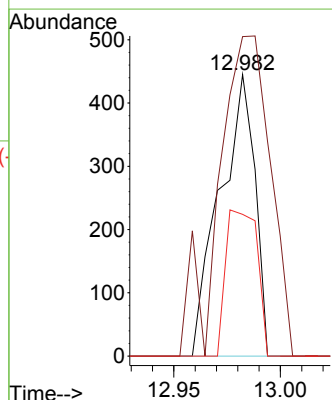
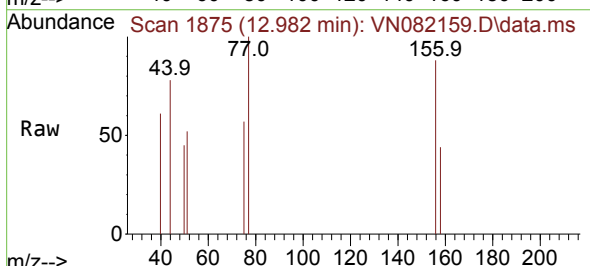
Tgt Ion:156 Resp: 507

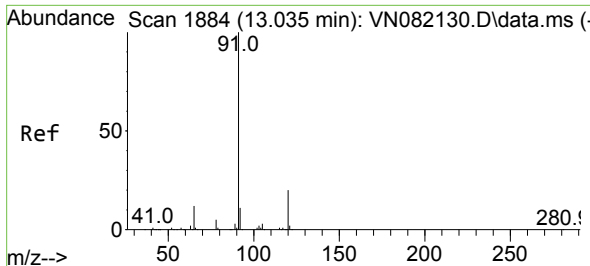
Ion Ratio Lower Upper

156 100

77 168.6 100.2 300.6

158 46.5 49.1 147.3#

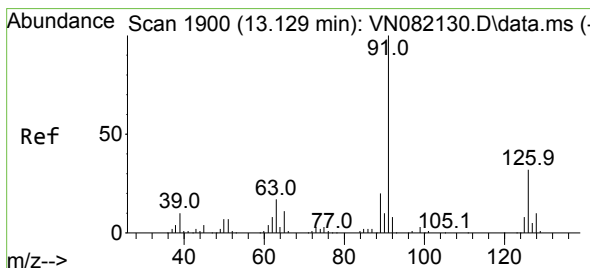
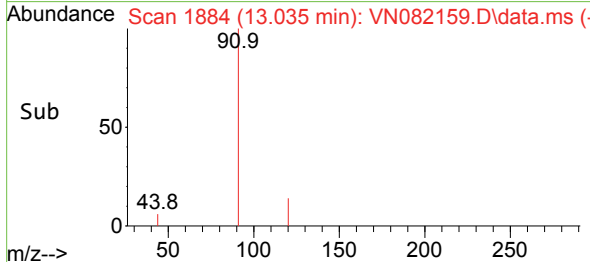
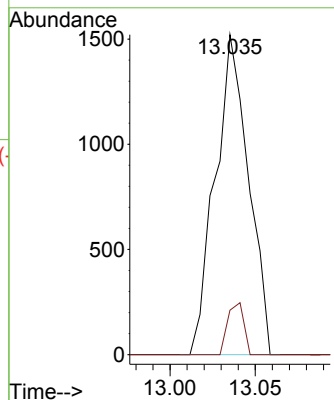
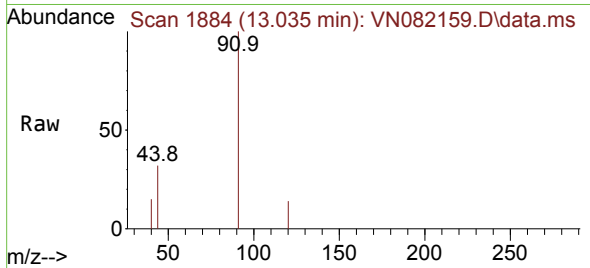




#78  
n-propylbenzene  
Concen: 0.192 ug/l  
RT: 13.035 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

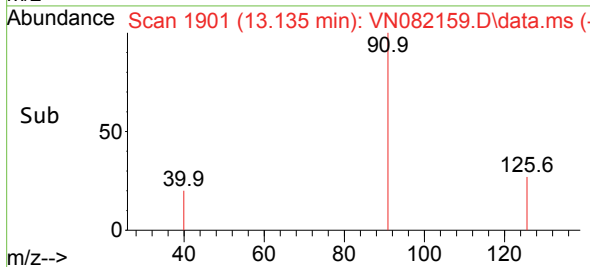
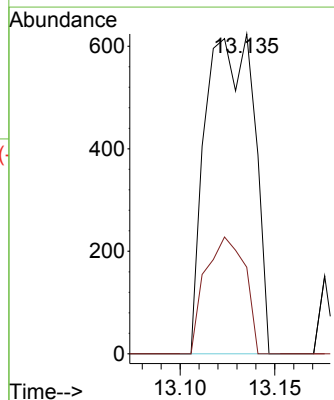
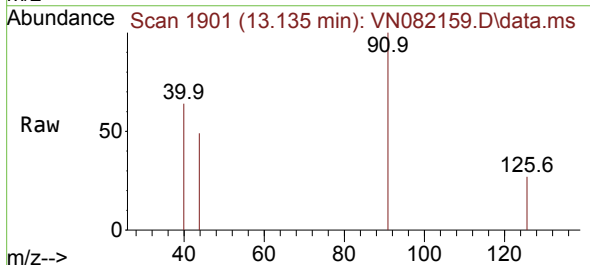
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

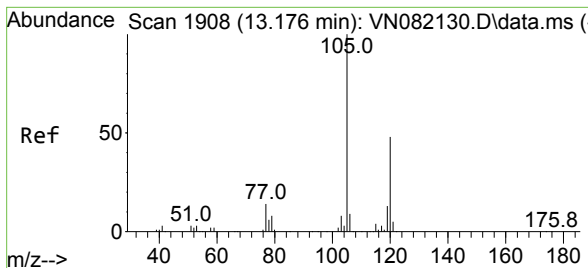
Tgt Ion: 91 Resp: 2068  
Ion Ratio Lower Upper  
91 100  
120 7.8 11.7 35.0#



#79  
2-Chlorotoluene  
Concen: 0.164 ug/l  
RT: 13.135 min Scan# 1901  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion: 91 Resp: 1108  
Ion Ratio Lower Upper  
91 100  
126 29.9 17.5 52.5





#80

1,3,5-Trimethylbenzene

Concen: 0.163 ug/l

RT: 13.165 min Scan# 1908

Delta R.T. -0.012 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

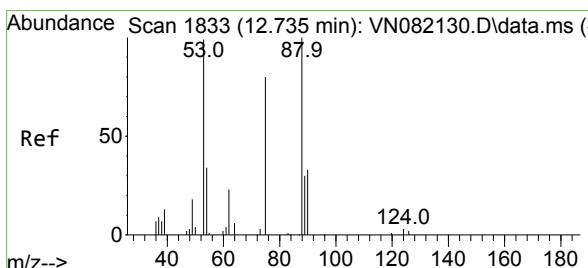
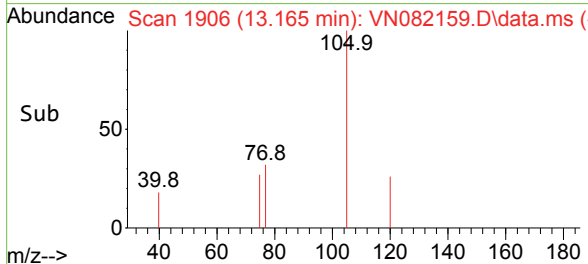
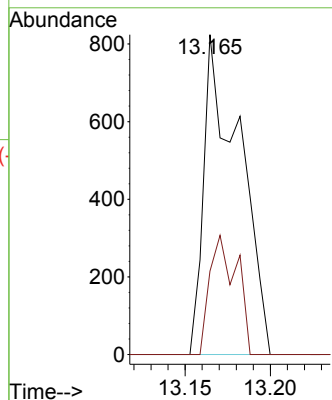
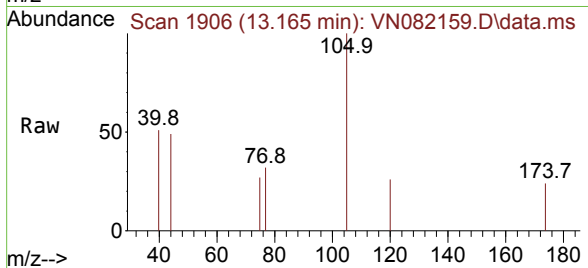
MDL-WATER-03-QT2-2024

Tgt Ion:105 Resp: 1195

Ion Ratio Lower Upper

105 100

120 28.3 24.8 74.3



#81

trans-1,4-Dichloro-2-butene

Concen: 67.842 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

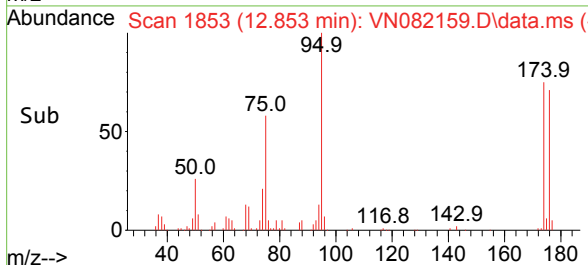
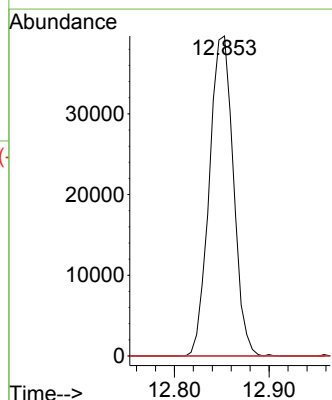
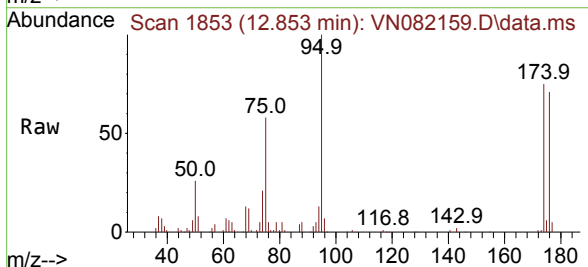
Tgt Ion: 75 Resp: 69843

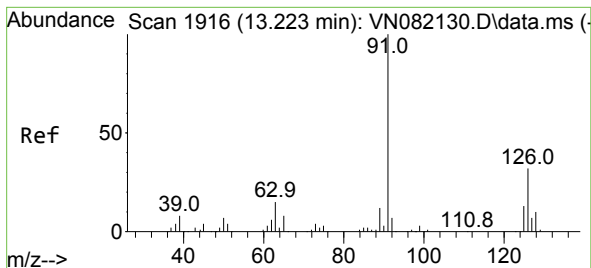
Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#





#82

4-Chlorotoluene

Concen: 0.175 ug/l

RT: 13.218 min Scan# 1915

Delta R.T. -0.006 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

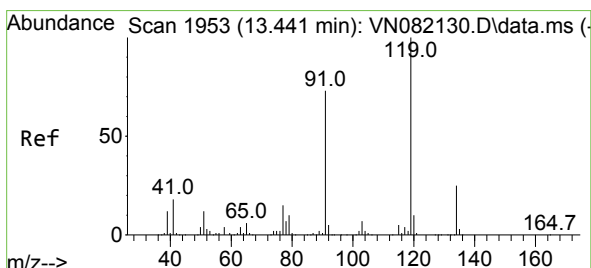
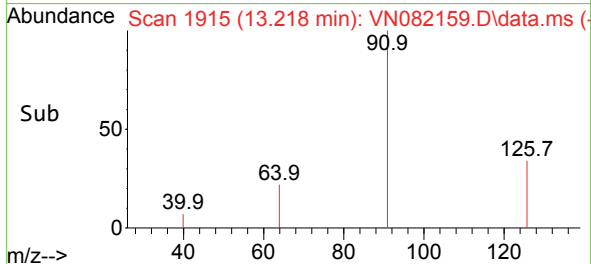
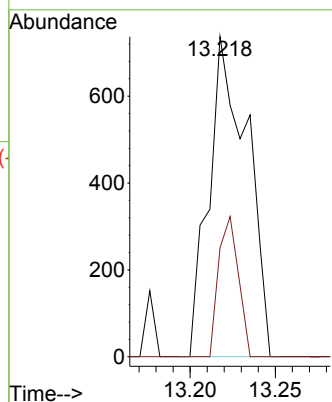
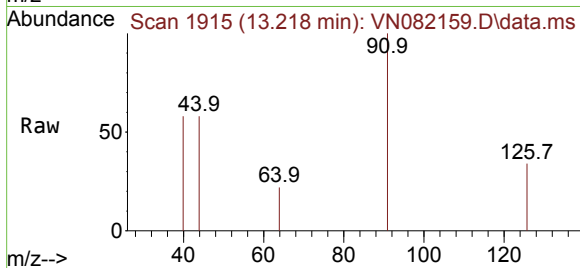
MDL-WATER-03-QT2-2024

Tgt Ion: 91 Resp: 1154

Ion Ratio Lower Upper

91 100

126 22.6 17.4 52.3



#83

tert-Butylbenzene

Concen: 0.140 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

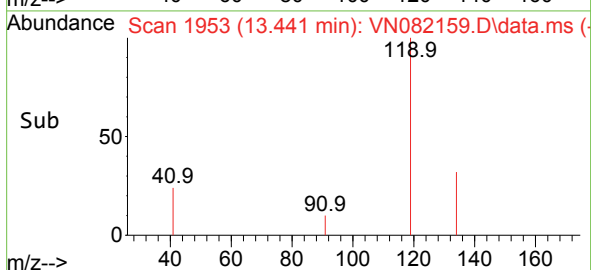
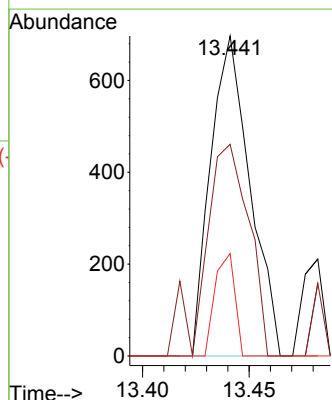
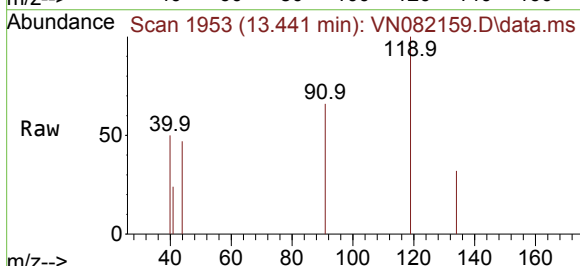
Tgt Ion: 119 Resp: 897

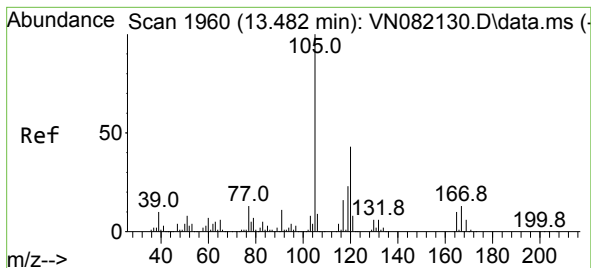
Ion Ratio Lower Upper

119 100

91 73.7 32.6 97.8

134 16.1 12.4 37.0





#84

1,2,4-Trimethylbenzene

Concen: 0.146 ug/l

RT: 13.488 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

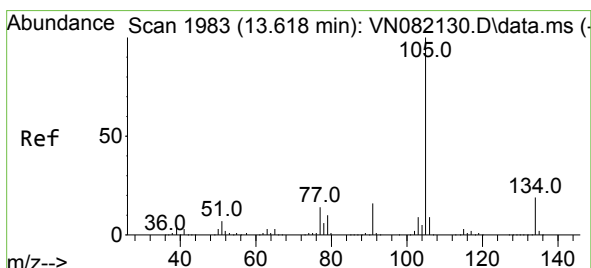
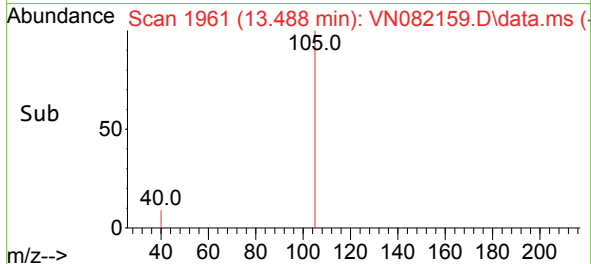
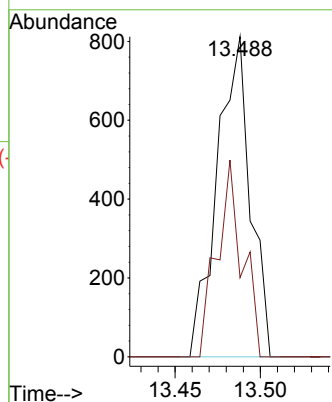
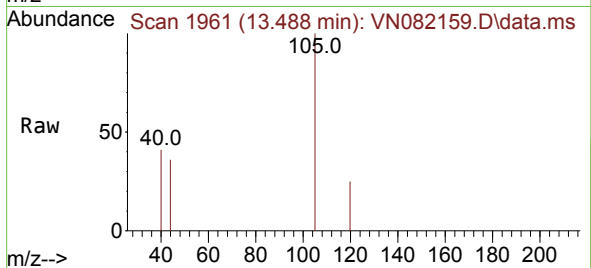
MDL-WATER-03-QT2-2024

Tgt Ion:105 Resp: 1099

Ion Ratio Lower Upper

105 100

120 47.0 22.9 68.7



#85

sec-Butylbenzene

Concen: 0.167 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. -0.000 min

Lab File: VN082159.D

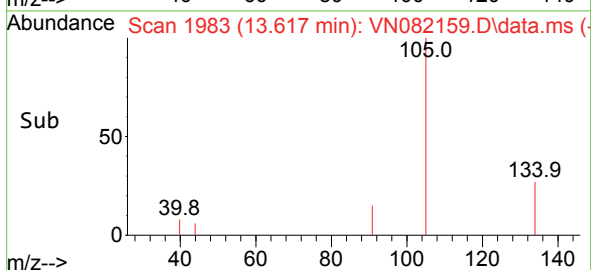
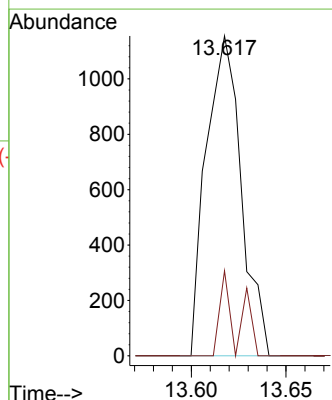
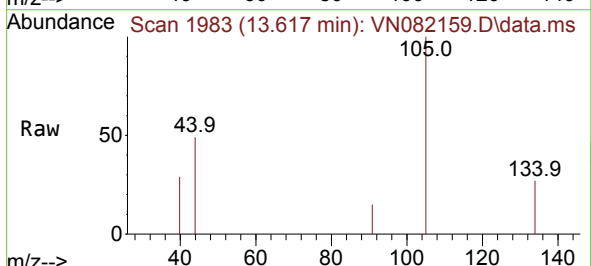
Acq: 16 May 2024 14:07

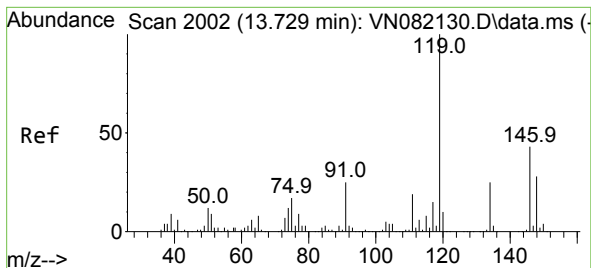
Tgt Ion:105 Resp: 1489

Ion Ratio Lower Upper

105 100

134 13.1 10.2 30.4





#86

p-Isopropyltoluene

Concen: 0.132 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT2-2024

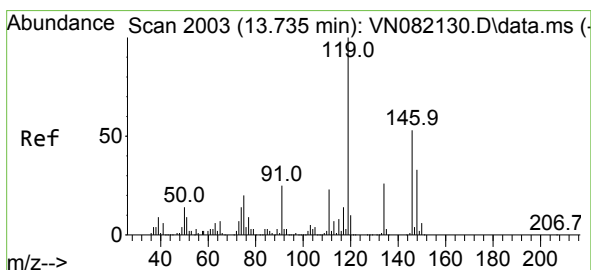
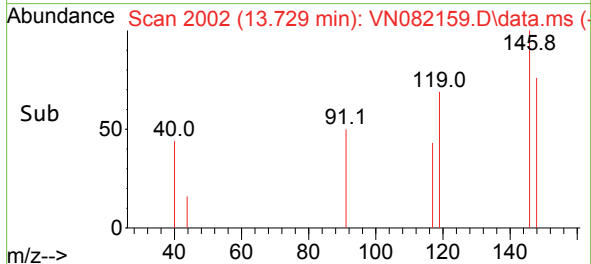
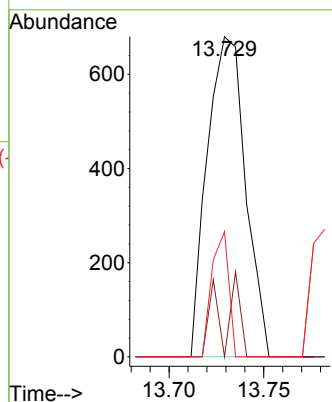
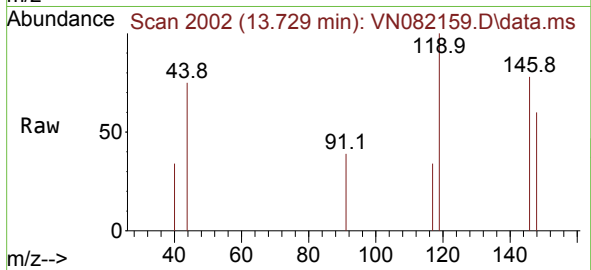
Tgt Ion:119 Resp: 958

Ion Ratio Lower Upper

119 100

134 12.7 13.2 39.5#

91 17.4 11.8 35.3



#87

1,3-Dichlorobenzene

Concen: 0.181 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

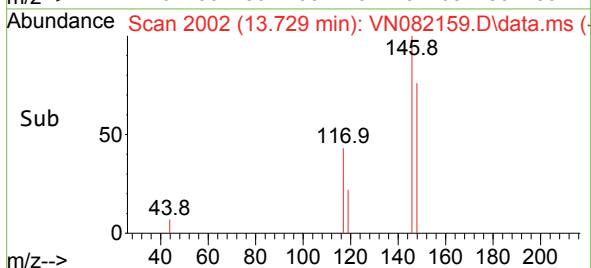
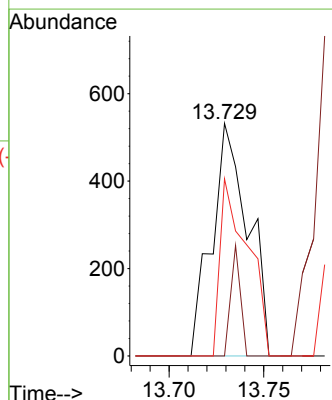
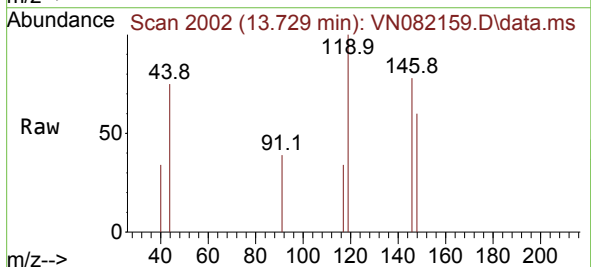
Tgt Ion:146 Resp: 710

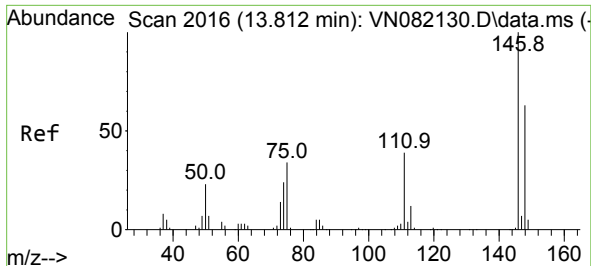
Ion Ratio Lower Upper

146 100

111 12.5 20.8 62.5#

148 58.0 32.1 96.3

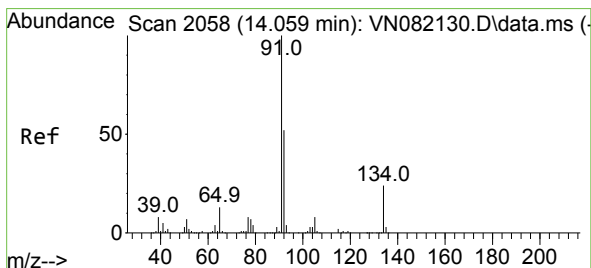
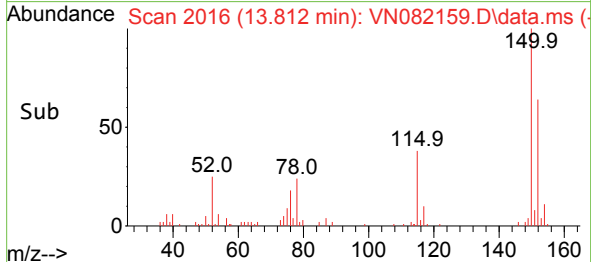
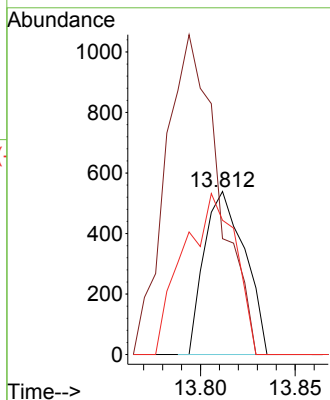
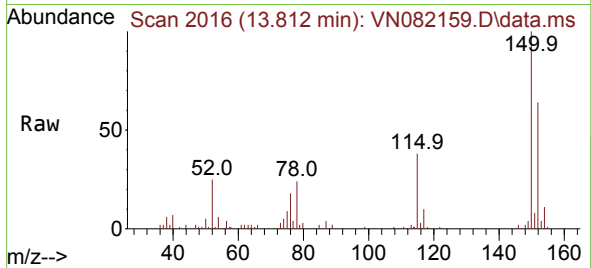




#88  
1,4-Dichlorobenzene  
Concen: 0.201 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

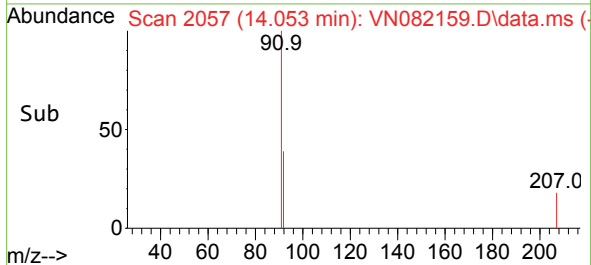
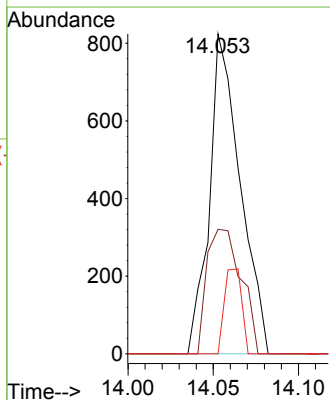
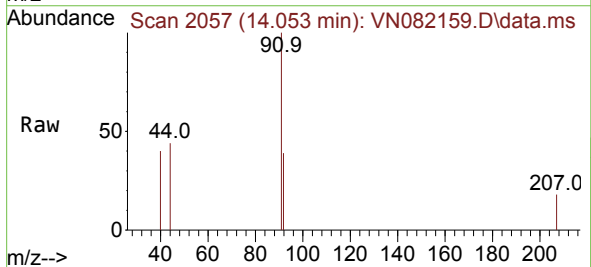
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

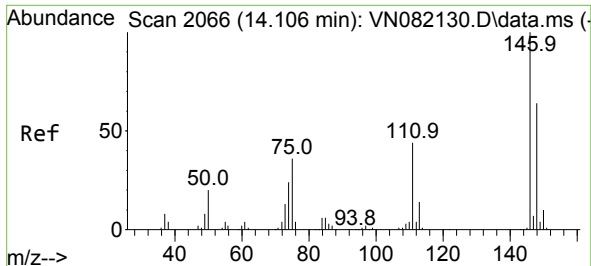
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 255.3 | 19.3  | 57.9# |
| 148     | 126.6 | 31.3  | 93.9# |



#89  
n-Butylbenzene  
Concen: 0.159 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 43.3  | 26.2  | 78.5  |
| 134     | 14.9  | 13.2  | 39.5  |

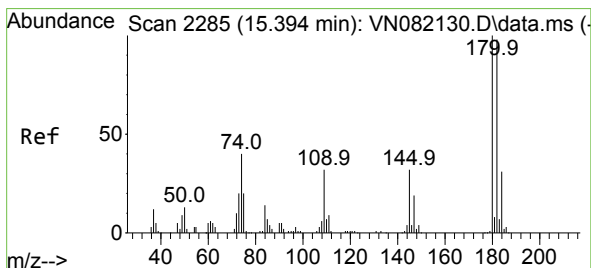
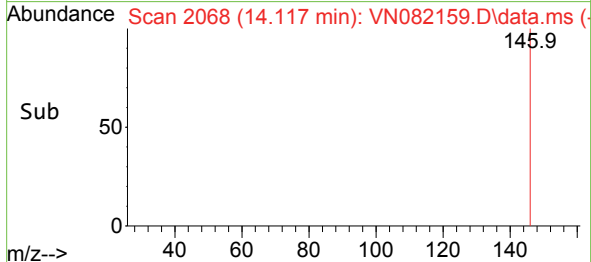
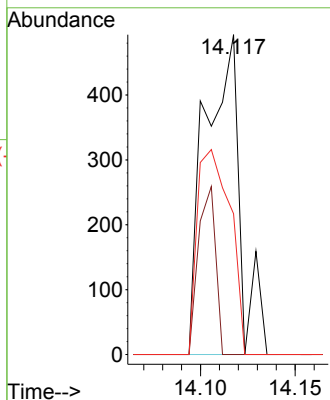
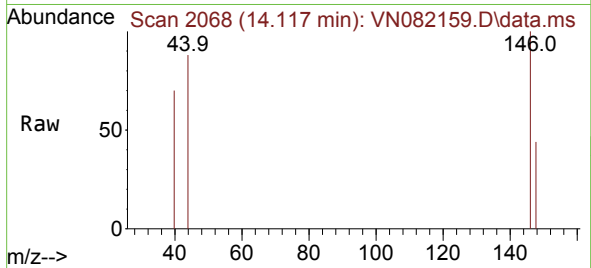




#91  
1,2-Dichlorobenzene  
Concen: 0.170 ug/l  
RT: 14.117 min Scan# 2068  
Delta R.T. 0.012 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

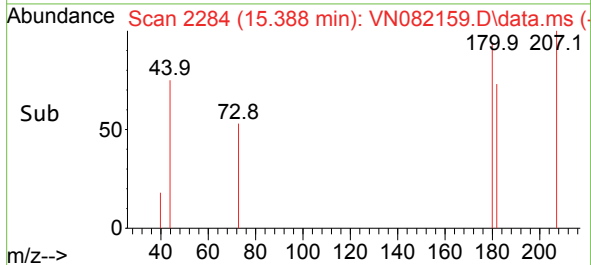
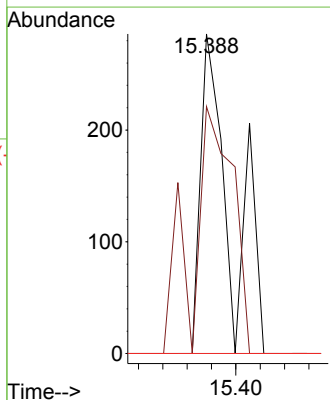
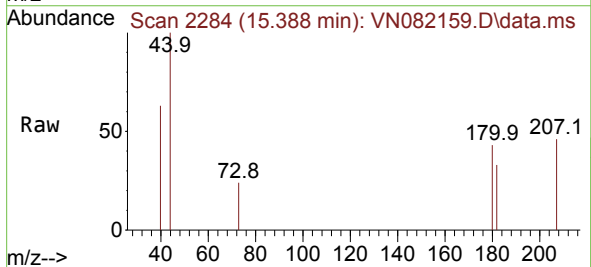
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

Tgt Ion:146 Resp: 630  
Ion Ratio Lower Upper  
146 100  
111 26.0 21.3 64.0  
148 60.8 31.8 95.4

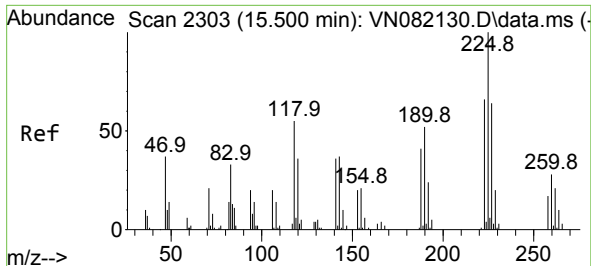


#93  
1,2,4-Trichlorobenzene  
Concen: 0.116 ug/l  
RT: 15.388 min Scan# 2284  
Delta R.T. -0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

Tgt Ion:180 Resp: 241  
Ion Ratio Lower Upper  
180 100  
182 105.4 46.7 140.0  
145 0.0 16.2 48.6#



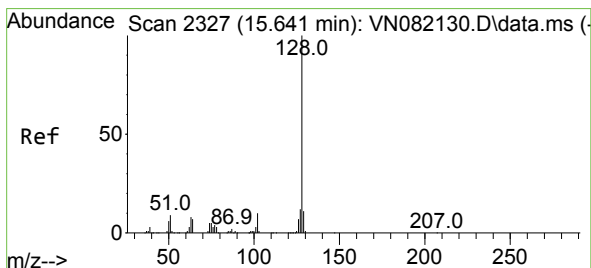
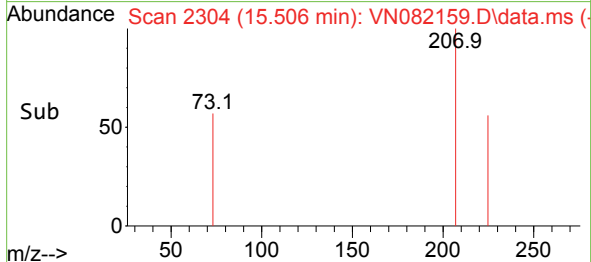
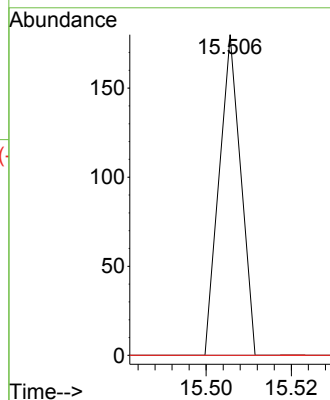
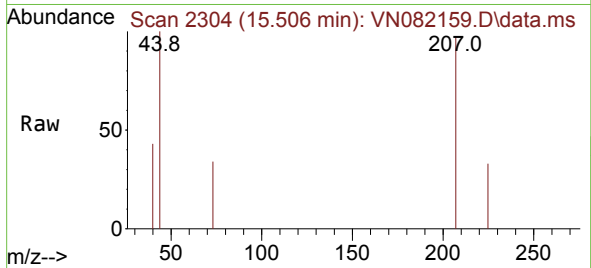




#94  
Hexachlorobutadiene  
Concen: 0.070 ug/l  
RT: 15.506 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

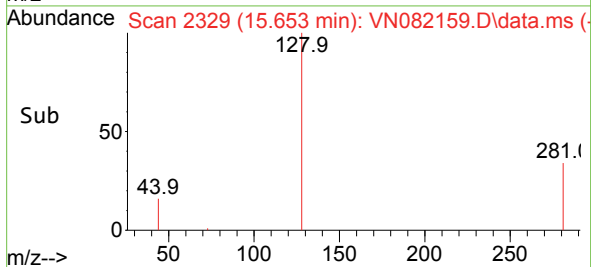
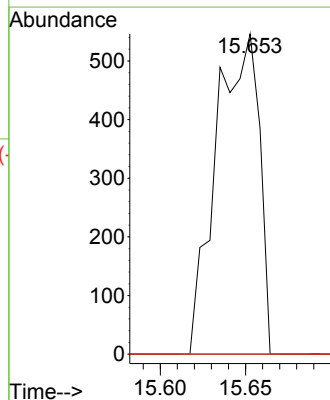
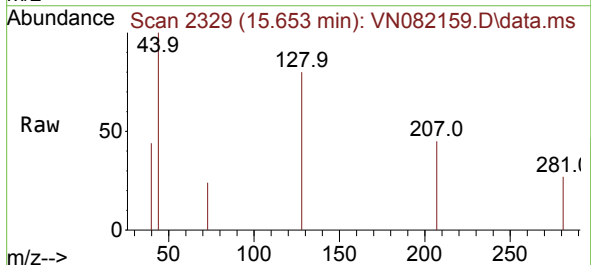
Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2024

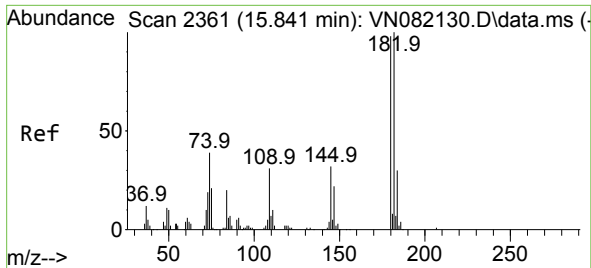
Tgt Ion:225 Resp: 64  
Ion Ratio Lower Upper  
225 100  
223 0.0 31.1 93.2#  
227 0.0 30.6 91.6#



#95  
Naphthalene  
Concen: 0.147 ug/l  
RT: 15.653 min Scan# 2329  
Delta R.T. 0.012 min  
Lab File: VN082159.D  
Acq: 16 May 2024 14:07

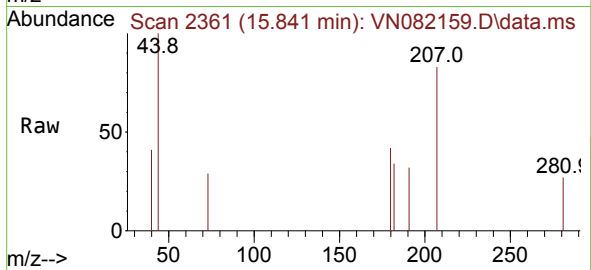
Tgt Ion:128 Resp: 957  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.1 15.1#  
129 0.0 8.9 13.3#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.072 ug/l  
 RT: 15.841 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN082159.D  
 Acq: 16 May 2024 14:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT2-2024



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 150    |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 186.0 | 46.0  | 137.8# |
| 145      | 0.0   | 17.1  | 51.3#  |

