

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080521\  
 Data File : VW019682.D  
 Acq On : 05 Aug 2021 14:51  
 Operator : SY/VA  
 Sample : M3264-03MSD  
 Misc : 6.49g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 06 01:39:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 06 01:35:48 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units     | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|-----------|----------|
| -----                         |        |                |          |        |           |          |
| Internal Standards            |        |                |          |        |           |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114            | 496174   | 25.000 | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117            | 477066   | 25.000 | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152            | 254807   | 25.000 | ug/L      | 0.00     |
| System Monitoring Compounds   |        |                |          |        |           |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65             | 135961   | 19.340 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 150 | Recovery | =      | 77.360%   |          |
| 7) Chloroethane-d5            | 2.891  | 69             | 116718   | 23.282 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 150 | Recovery | =      | 93.120%   |          |
| 11) 1,1-Dichloroethene-d2     | 4.031  | 63             | 295976   | 21.820 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range 45 - 110 | Recovery | =      | 87.280%   |          |
| 21) 2-Butanone-d5             | 7.080  | 46             | 127040   | 62.261 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 20 - 135 | Recovery | =      | 124.520%  |          |
| 24) Chloroform-d              | 7.653  | 84             | 340363   | 24.826 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range 40 - 150 | Recovery | =      | 99.320%   |          |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65             | 217574   | 28.919 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range 70 - 130 | Recovery | =      | 115.680%  |          |
| 32) Benzene-d6                | 8.281  | 84             | 660364   | 23.254 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range 20 - 135 | Recovery | =      | 93.000%   |          |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67             | 209233   | 23.639 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range 70 - 120 | Recovery | =      | 94.560%   |          |
| 41) Toluene-d8                | 10.323 | 98             | 603861   | 23.585 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 130 | Recovery | =      | 94.360%   |          |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79             | 103646   | 27.344 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 135 | Recovery | =      | 109.360%  |          |
| 47) 2-Hexanone-d5             | 10.927 | 63             | 111458   | 67.875 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 20 - 135 | Recovery | =      | 135.760%# |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84             | 219611   | 30.706 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range 45 - 120 | Recovery | =      | 122.840%# |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152            | 232483   | 25.859 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range 75 - 120 | Recovery | =      | 103.440%  |          |
| Target Compounds              |        |                |          |        |           |          |
|                               |        |                |          |        | Qvalue    |          |
| 2) Dichlorodifluoromethane    | 2.014  | 85             | 107095   | 18.120 | ug/L #    | 88       |
| 3) Chloromethane              | 2.221  | 50             | 133968   | 22.089 | ug/L      | 100      |
| 5) Vinyl chloride             | 2.367  | 62             | 175048   | 20.970 | ug/L      | 98       |
| 6) Bromomethane               | 2.788  | 94             | 75029    | 16.255 | ug/L      | 98       |
| 8) Chloroethane               | 2.934  | 64             | 109202   | 24.577 | ug/L      | 96       |
| 9) Trichlorofluoromethane     | 3.269  | 101            | 167640   | 33.059 | ug/L      | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101            | 156945   | 24.195 | ug/L      | 97       |
| 12) 1,1-Dichloroethene        | 4.050  | 96             | 148166   | 22.874 | ug/L      | 93       |
| 13) Acetone                   | 4.123  | 43             | 81977    | 54.524 | ug/L      | 91       |
| 14) Carbon disulfide          | 4.391  | 76             | 424976   | 20.488 | ug/L      | 98       |
| 15) Methyl Acetate            | 4.672  | 43             | 87408    | 26.121 | ug/L      | 98       |
| 16) Methylene chloride        | 4.928  | 84             | 216990   | 21.937 | ug/L      | 98       |
| 17) trans-1,2-Dichloroethene  | 5.434  | 96             | 165502   | 23.495 | ug/L      | 97       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73             | 293309   | 30.138 | ug/L      | 98       |
| 19) 1,1-Dichloroethane        | 6.220  | 63             | 317977   | 24.586 | ug/L      | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96             | 184627   | 24.781 | ug/L      | 95       |
| 22) 2-Butanone                | 7.171  | 43             | 129667   | 55.737 | ug/L      | 98       |
| 23) Bromochloromethane        | 7.519  | 128            | 89787    | 26.759 | ug/L      | 97       |
| 25) Chloroform                | 7.677  | 83             | 330721   | 25.851 | ug/L      | 98       |

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 ALS Vial : 14 Sample Multiplier: 1

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 ClientSampleId :

Quant Time: Aug 06 01:39:24 2021  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 06 01:35:48 2021  
 Response via : Initial Calibration

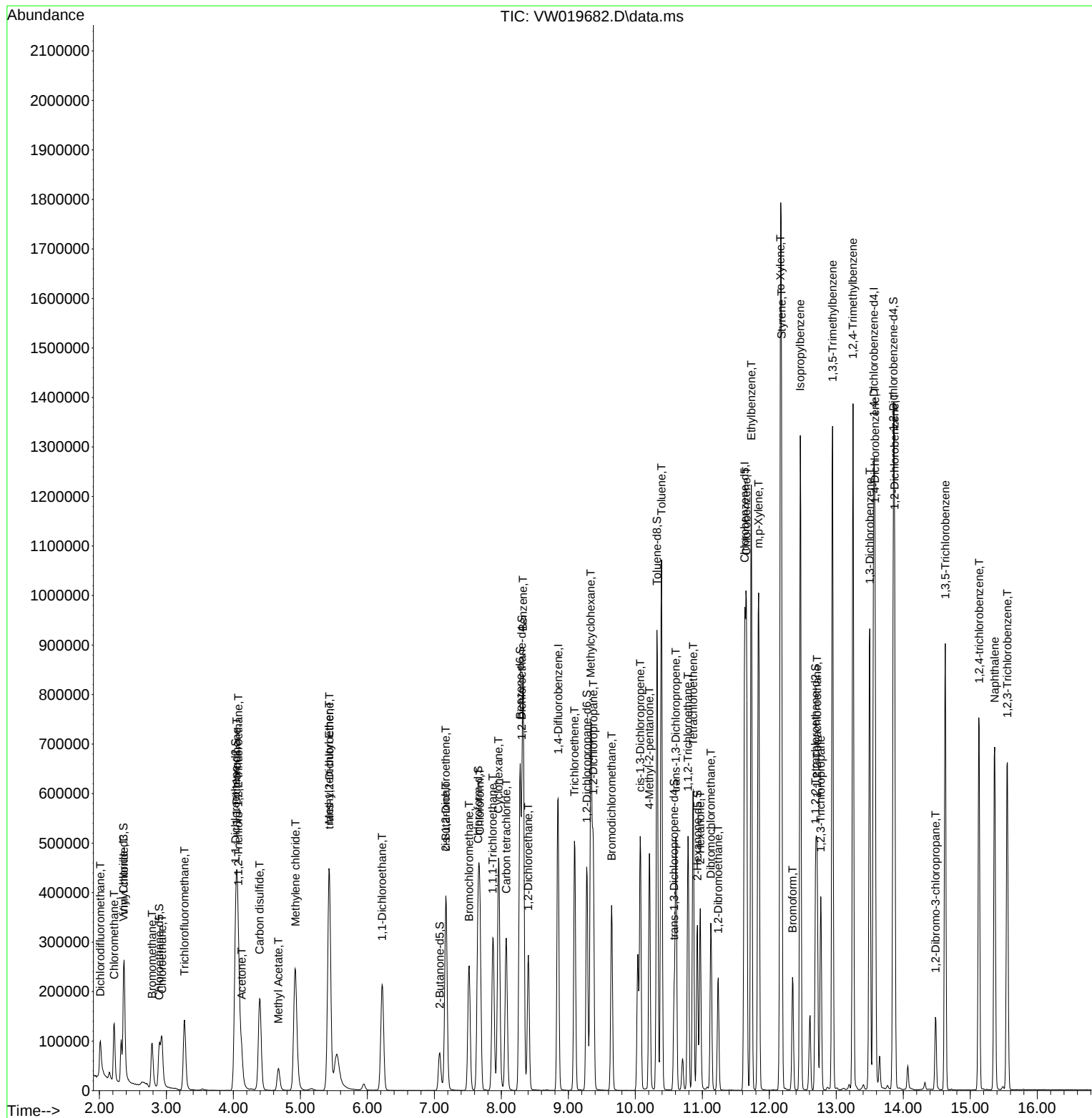
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 253381   | 29.438 | ug/L  | 99       |
| 29) Cyclohexane               | 7.958  | 56   | 262410   | 21.449 | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 251847   | 25.579 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 235549   | 25.713 | ug/L  | 98       |
| 33) Benzene                   | 8.323  | 78   | 707229   | 23.684 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 178728   | 23.451 | ug/L  | 95       |
| 35) Methylcyclohexane         | 9.335  | 83   | 307469   | 22.798 | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 187332   | 24.756 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 248126   | 26.443 | ug/L  | 94       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 299625   | 25.891 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 305221   | 63.906 | ug/L  | 98       |
| 42) Toluene                   | 10.390 | 91   | 776228   | 24.940 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 281388   | 27.643 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 156644   | 27.821 | ug/L  | 96       |
| 46) Tetrachloroethene         | 10.866 | 164  | 136084   | 23.428 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.969 | 43   | 217523   | 66.869 | ug/L  | 96       |
| 49) Dibromochloromethane      | 11.128 | 129  | 173560   | 28.663 | ug/L  | 91       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 152274   | 28.197 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.658 | 112  | 490339   | 25.054 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.731 | 91   | 829853   | 24.492 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.841 | 106  | 317048   | 24.760 | ug/L  | 97       |
| 54) o-Xylene                  | 12.164 | 106  | 308050   | 25.458 | ug/L  | 93       |
| 55) Styrene                   | 12.182 | 104  | 555298   | 26.486 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 210867   | 30.411 | ug/L  | 99       |
| 59) Bromoform                 | 12.347 | 173  | 100855   | 27.730 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 823487   | 24.047 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 161554   | 28.943 | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 696263   | 24.283 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 709265   | 24.550 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 373962   | 23.864 | ug/L  | 90       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 385829   | 24.917 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 363696   | 25.762 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 39256    | 32.228 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 265862   | 23.219 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 231684   | 24.202 | ug/L  | 99       |
| 71) Naphthalene               | 15.365 | 128  | 597591   | 30.908 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 220250   | 25.691 | ug/L  | 97       |

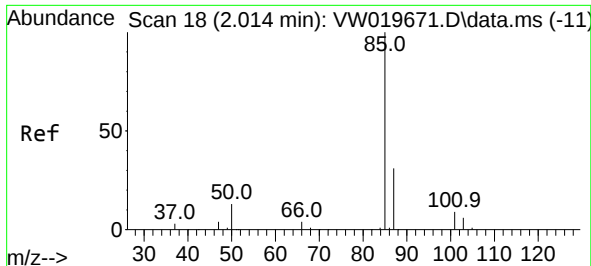
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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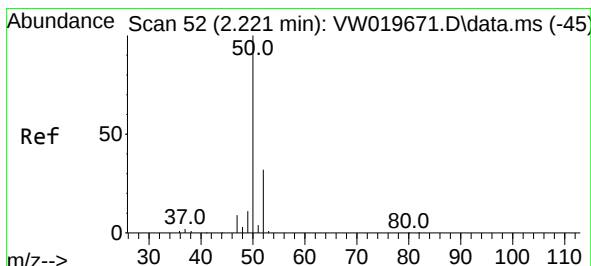
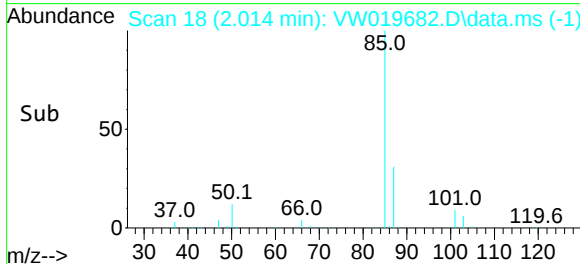
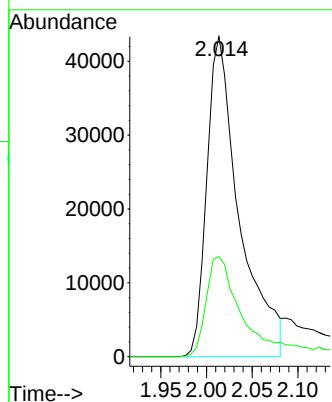
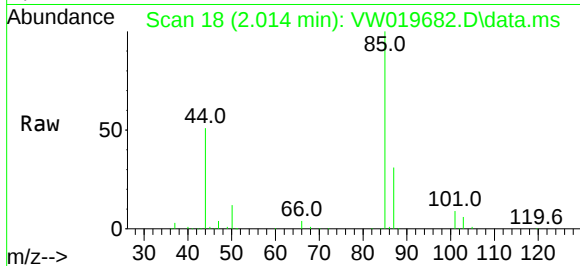




#2  
Dichlorodifluoromethane  
Concen: 18.120 ug/L  
RT: 2.014 min Scan# 18  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

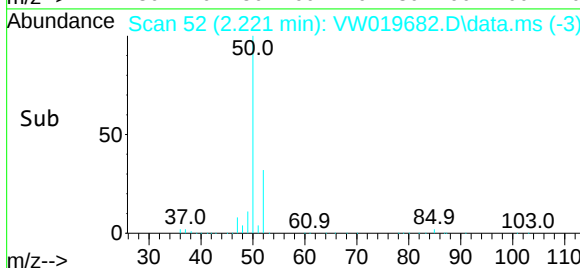
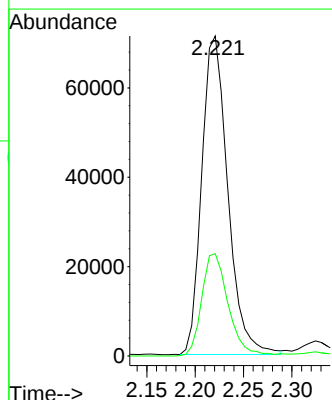
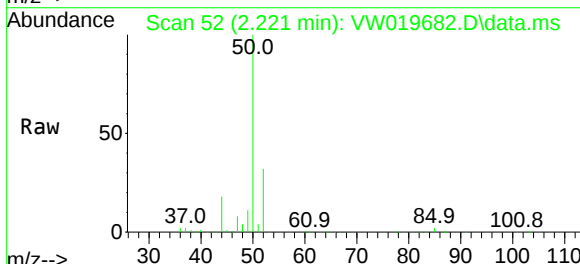
Instrument :  
MSVOA\_W  
ClientSampled :

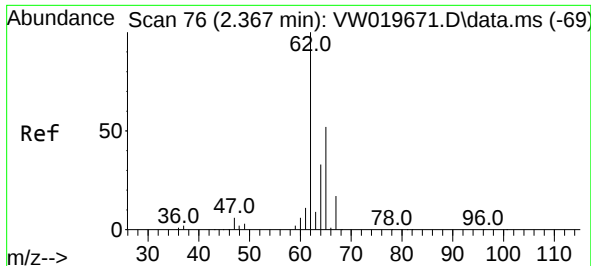
Tgt Ion: 85 Resp: 107095  
Ion Ratio Lower Upper  
85 100  
87 35.5 23.3 34.9#



#3  
Chloromethane  
Concen: 22.089 ug/L  
RT: 2.221 min Scan# 52  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion: 50 Resp: 133968  
Ion Ratio Lower Upper  
50 100  
52 32.0 22.5 41.9

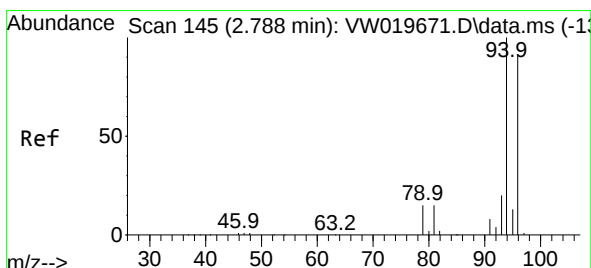
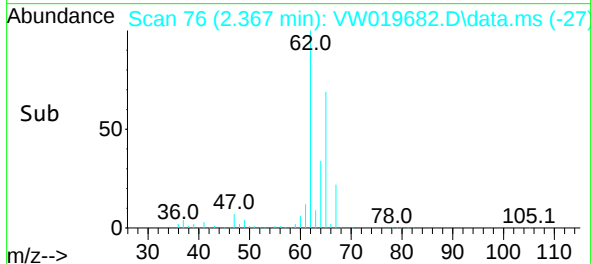
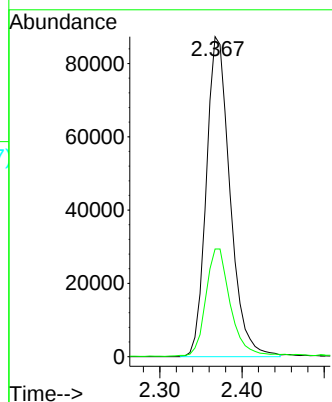
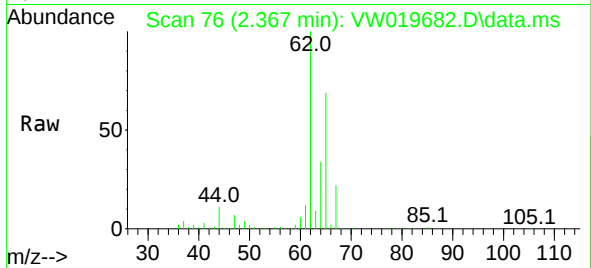




#5  
 Vinyl chloride  
 Concen: 20.970 ug/L  
 RT: 2.367 min Scan# 76  
 Delta R.T. 0.000 min  
 Lab File: VW019682.D  
 Acq: 05 Aug 2021 14:51

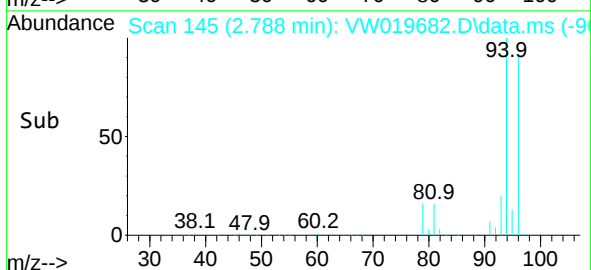
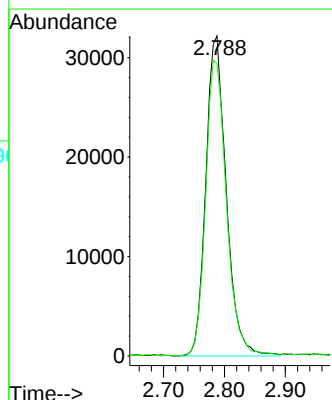
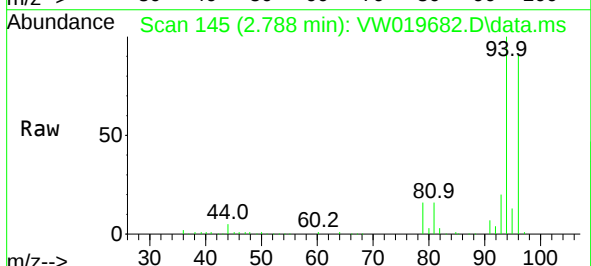
Instrument :  
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 ClientSampled :

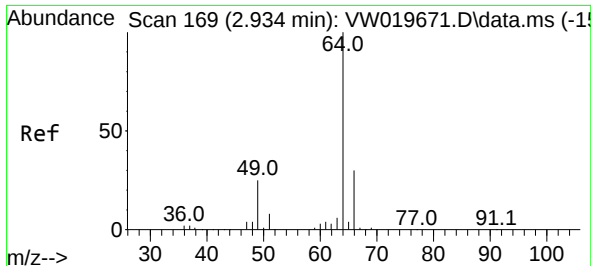
Tgt Ion: 62 Resp: 175048  
 Ion Ratio Lower Upper  
 62 100  
 64 33.7 24.2 45.0



#6  
 Bromomethane  
 Concen: 16.255 ug/L  
 RT: 2.788 min Scan# 145  
 Delta R.T. 0.000 min  
 Lab File: VW019682.D  
 Acq: 05 Aug 2021 14:51

Tgt Ion: 94 Resp: 75029  
 Ion Ratio Lower Upper  
 94 100  
 96 91.3 65.3 121.3

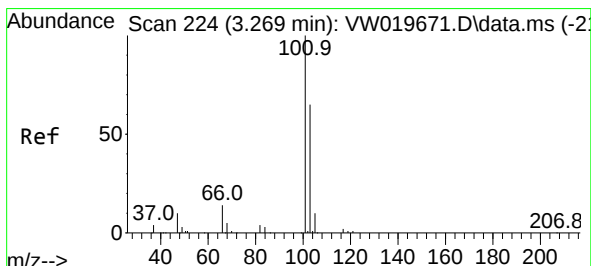
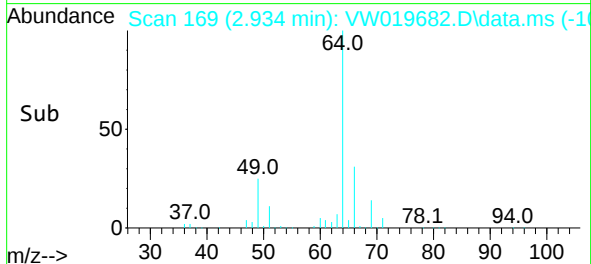
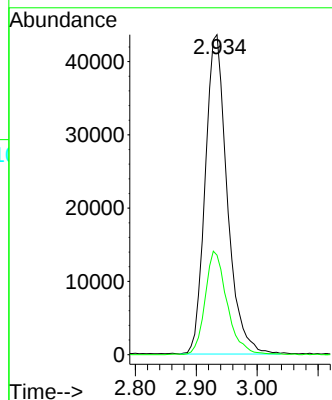
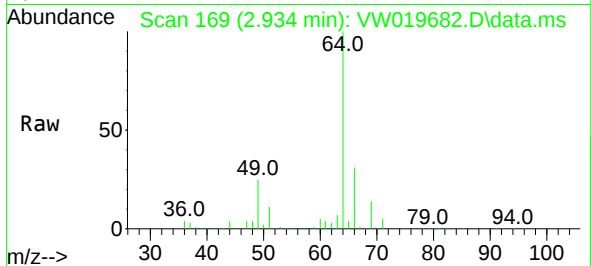




#8  
Chloroethane  
Concen: 24.577 ug/L  
RT: 2.934 min Scan# 169  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

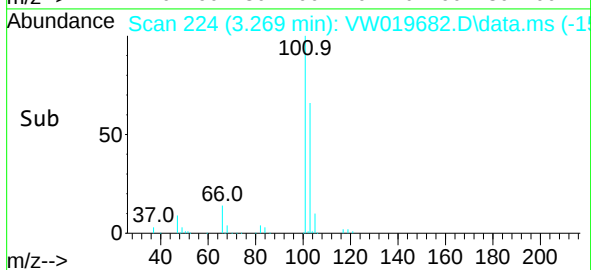
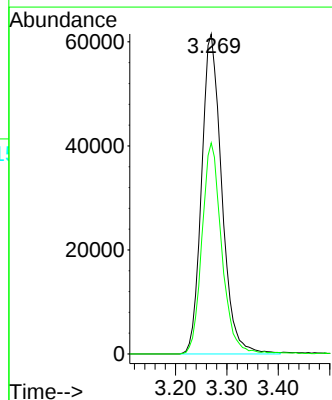
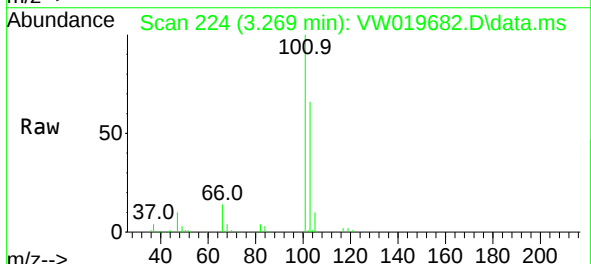
Instrument :  
MSVOA\_W  
ClientSampled :

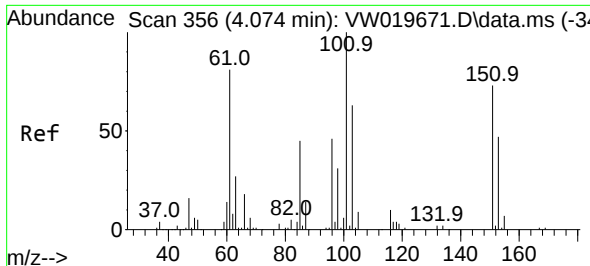
Tgt Ion: 64 Resp: 109202  
Ion Ratio Lower Upper  
64 100  
66 31.1 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 33.059 ug/L  
RT: 3.269 min Scan# 224  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
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Tgt Ion:101 Resp: 167640  
Ion Ratio Lower Upper  
101 100  
103 63.7 51.0 76.4

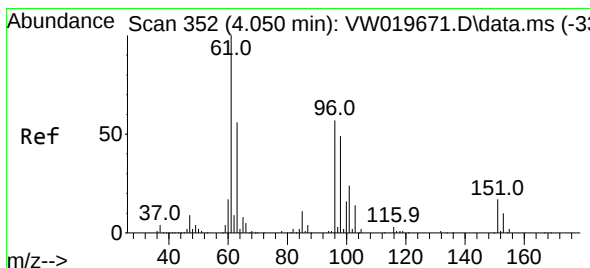
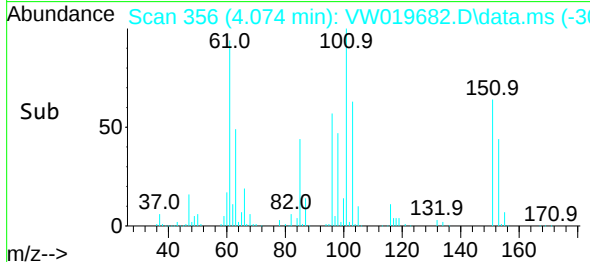
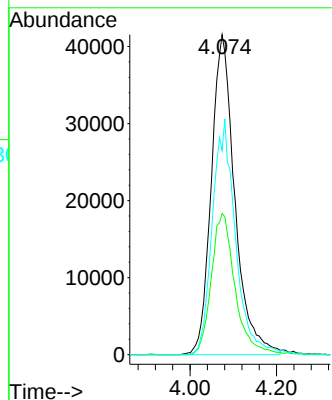
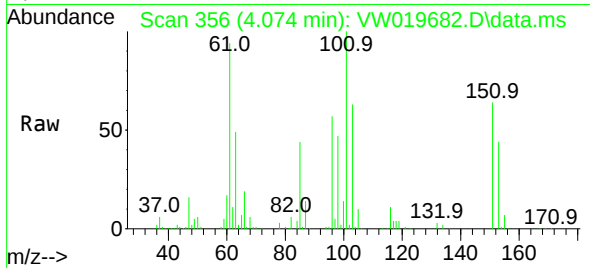




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 24.195 ug/L  
 RT: 4.074 min Scan# 356  
 Delta R.T. 0.000 min  
 Lab File: VW019682.D  
 Acq: 05 Aug 2021 14:51

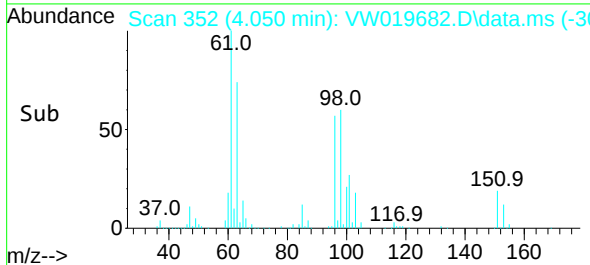
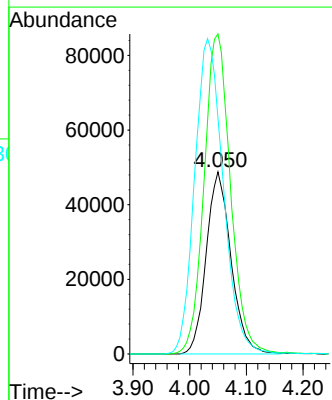
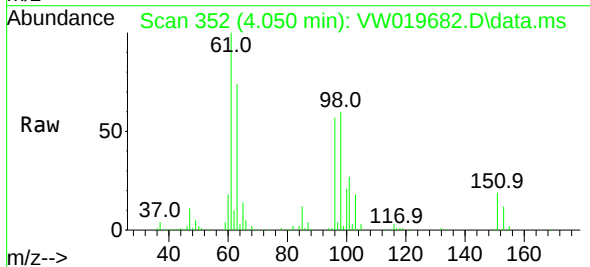
Instrument :  
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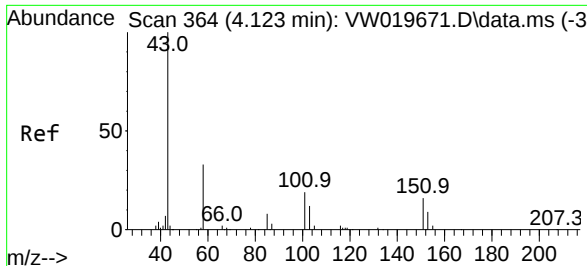
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 Ion Ratio Lower Upper  
 101 100  
 85 44.3 38.2 57.2  
 151 71.9 56.6 85.0



#12  
 1,1-Dichloroethene  
 Concen: 22.874 ug/L  
 RT: 4.050 min Scan# 352  
 Delta R.T. 0.000 min  
 Lab File: VW019682.D  
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Tgt Ion: 96 Resp: 148166  
 Ion Ratio Lower Upper  
 96 100  
 61 175.8 118.1 219.3  
 63 129.5 83.7 155.5

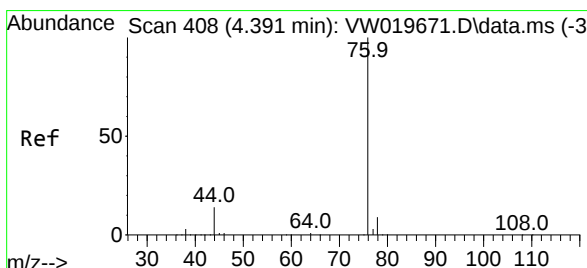
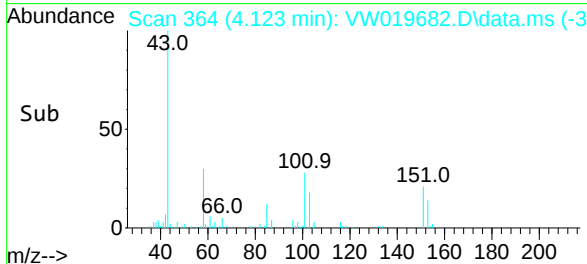
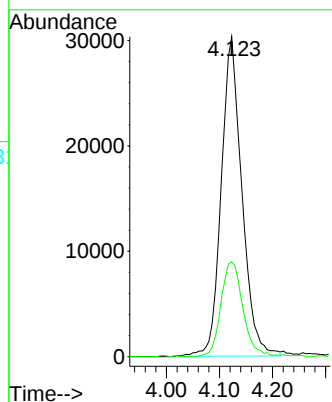
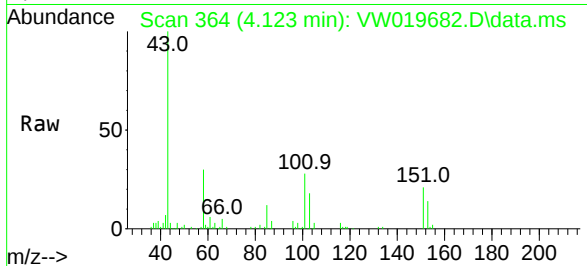




#13  
Acetone  
Concen: 54.524 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

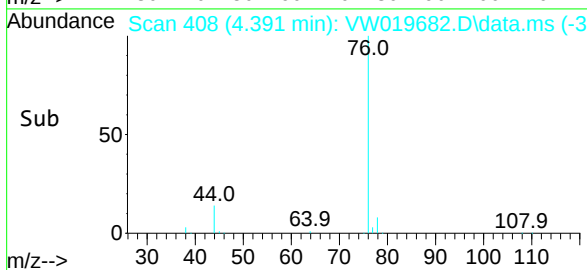
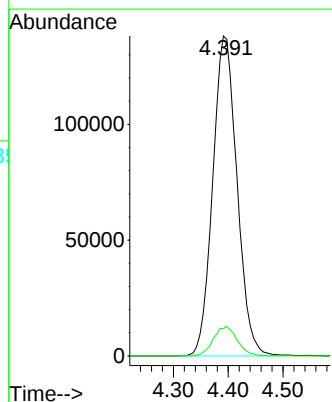
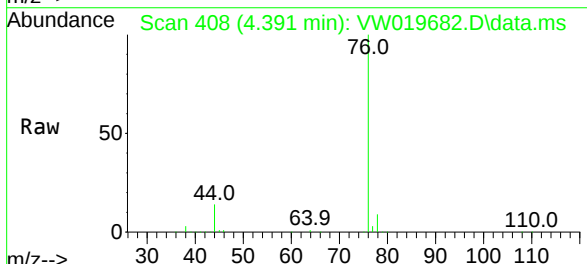
Instrument :  
MSVOA\_W  
ClientSampled :

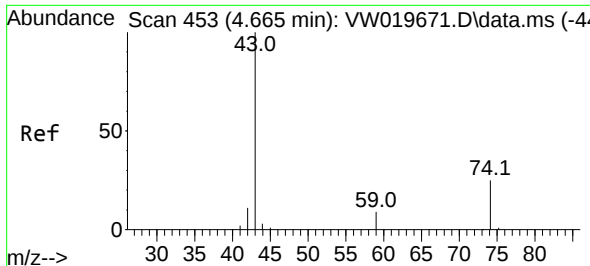
Tgt Ion: 43 Resp: 81977  
Ion Ratio Lower Upper  
43 100  
58 31.5 0.0 53.8



#14  
Carbon disulfide  
Concen: 20.488 ug/L  
RT: 4.391 min Scan# 408  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion: 76 Resp: 424976  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.4 11.0

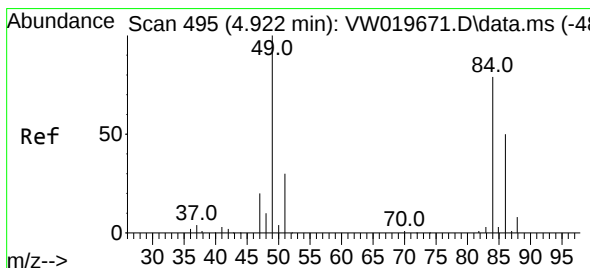
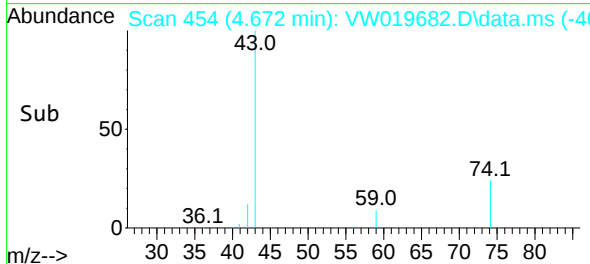
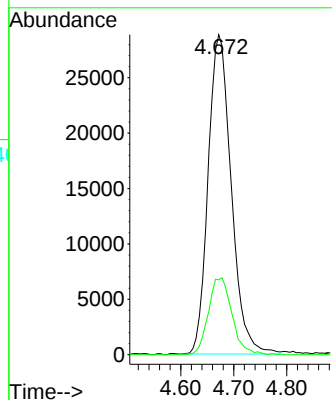
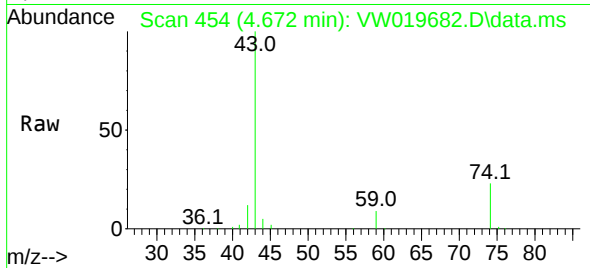




#15  
Methyl Acetate  
Concen: 26.121 ug/L  
RT: 4.672 min Scan# 454  
Delta R.T. 0.006 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

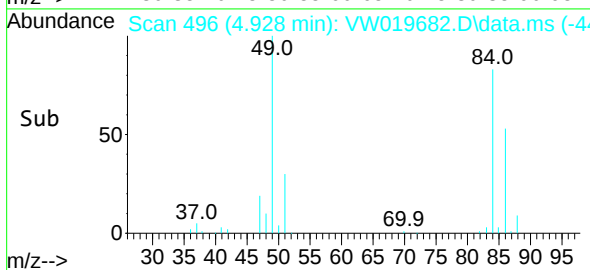
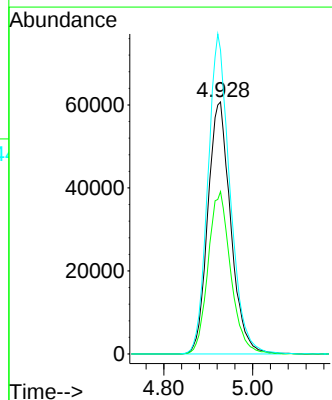
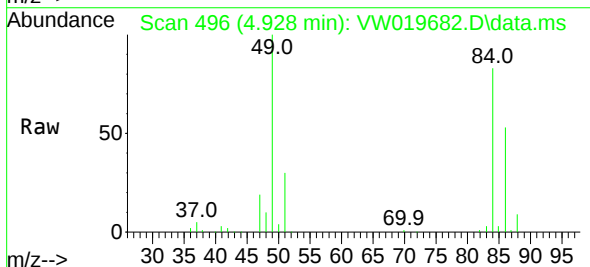
Instrument :  
MSVOA\_W  
ClientSampled :

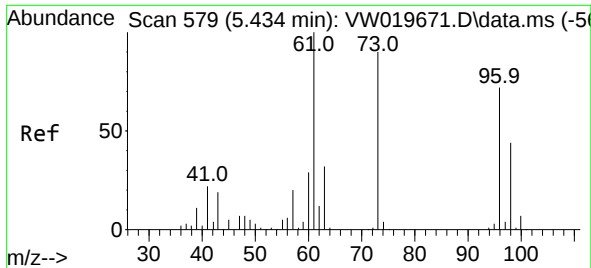
Tgt Ion: 43 Resp: 87408  
Ion Ratio Lower Upper  
43 100  
74 24.2 20.0 30.0



#16  
Methylene chloride  
Concen: 21.937 ug/L  
RT: 4.928 min Scan# 496  
Delta R.T. 0.006 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion: 84 Resp: 216990  
Ion Ratio Lower Upper  
84 100  
86 64.5 45.3 84.1  
49 120.6 86.6 160.8

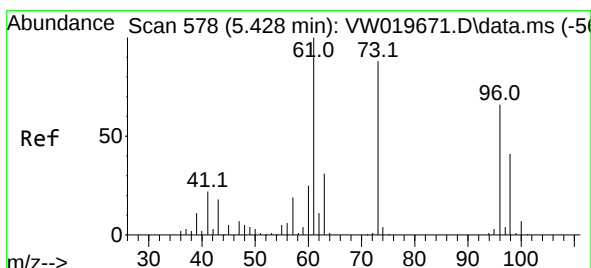
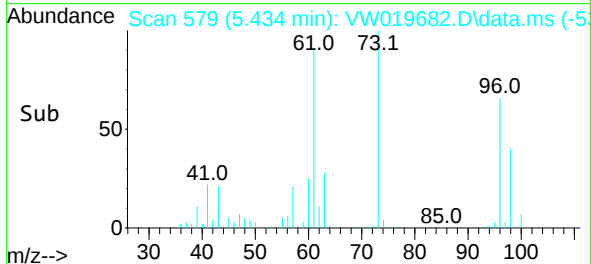
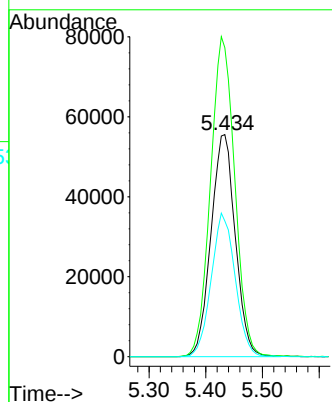
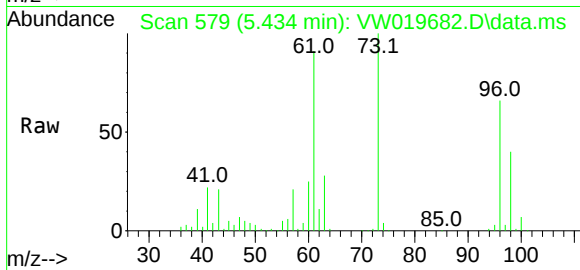




#17  
trans-1,2-Dichloroethene  
Concen: 23.495 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

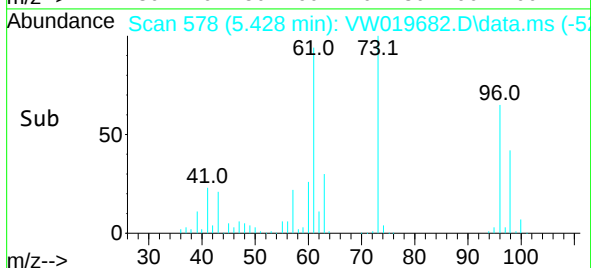
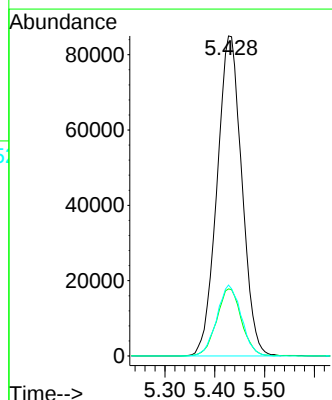
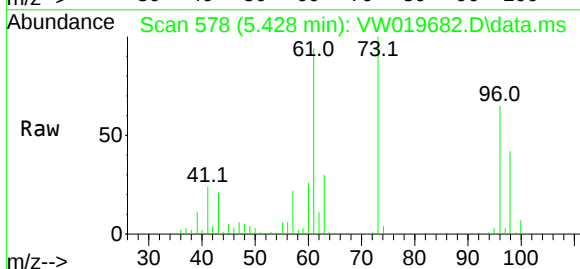
Instrument :  
MSVOA\_W  
ClientSampleId :

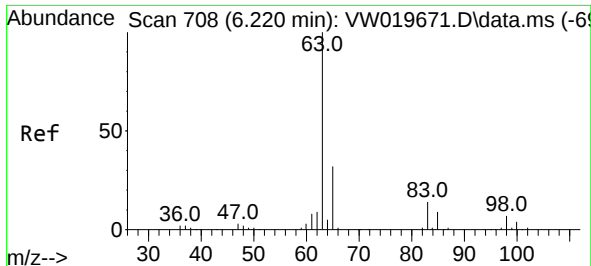
Tgt Ion: 96 Resp: 165502  
Ion Ratio Lower Upper  
96 100  
61 139.2 98.3 182.7  
98 61.1 46.1 85.7



#18  
Methyl tert-butyl Ether  
Concen: 30.138 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion: 73 Resp: 293309  
Ion Ratio Lower Upper  
73 100  
43 21.0 17.7 26.5  
57 21.9 17.0 25.4





#19

1,1-Dichloroethane

Concen: 24.586 ug/L

RT: 6.220 min Scan# 708

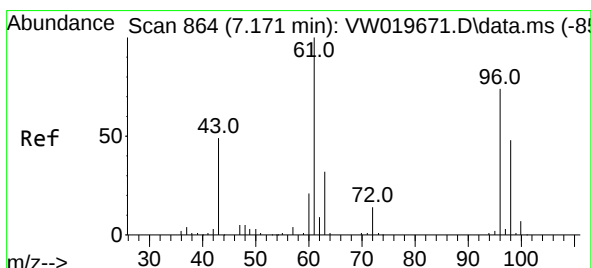
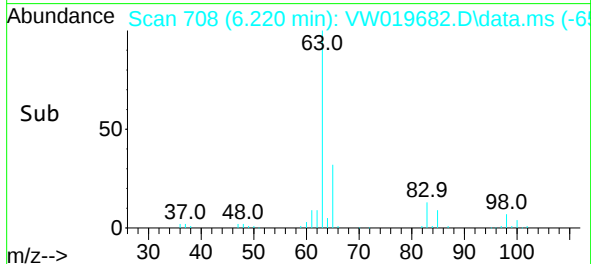
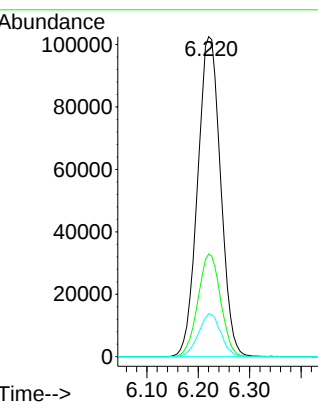
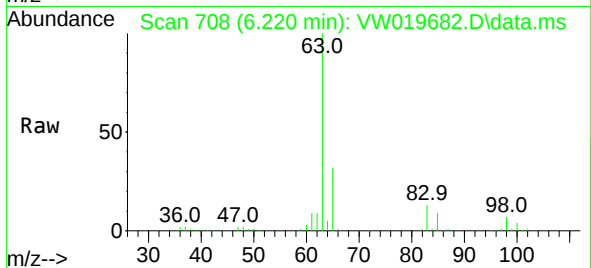
Delta R.T. 0.000 min

Lab File: VW019682.D

Acq: 05 Aug 2021 14:51

Tgt Ion: 63 Resp: 317977

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.1  | 22.9  | 42.5  |
| 83  | 13.4  | 10.2  | 19.0  |



#20

cis-1,2-Dichloroethene

Concen: 24.781 ug/L

RT: 7.171 min Scan# 864

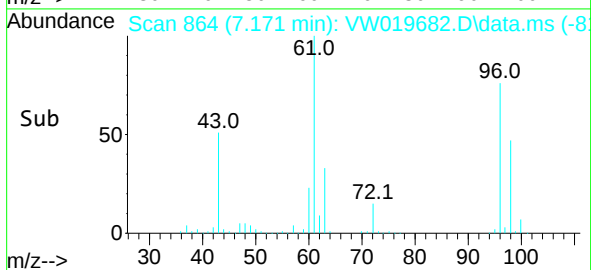
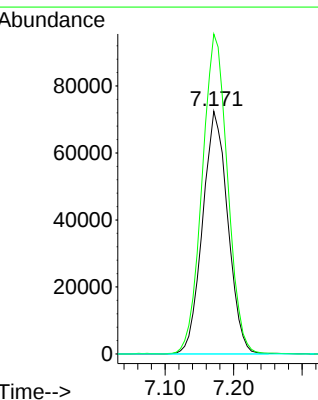
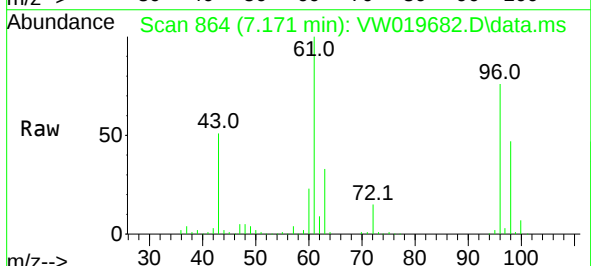
Delta R.T. 0.000 min

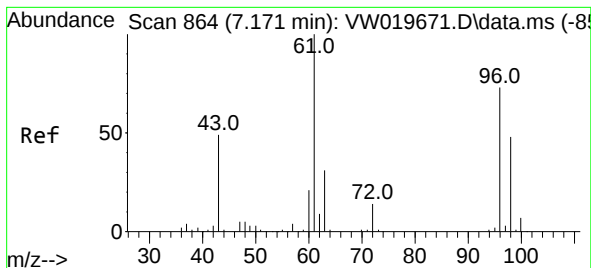
Lab File: VW019682.D

Acq: 05 Aug 2021 14:51

Tgt Ion: 96 Resp: 184627

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 131.8 | 88.5  | 164.3 |
| 68  | 0.0   | 0.0   | 0.0   |

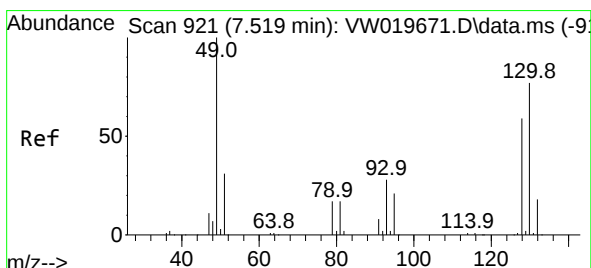
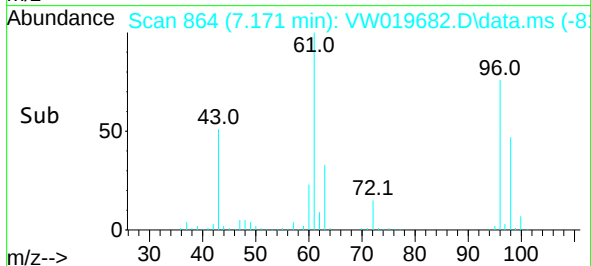
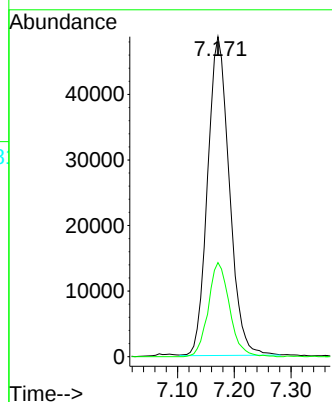
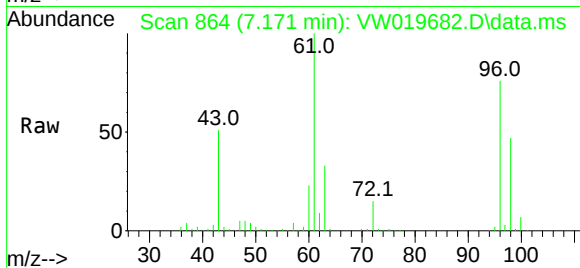




#22  
2-Butanone  
Concen: 55.737 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

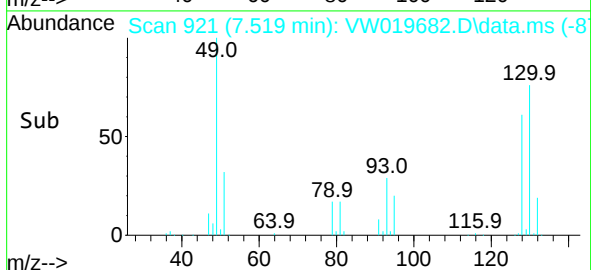
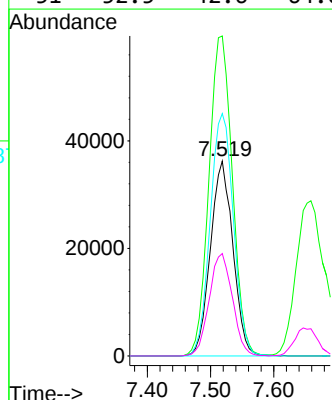
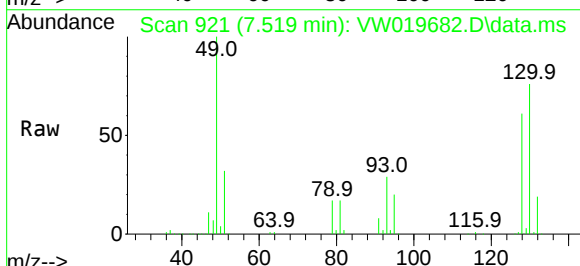
Instrument :  
MSVOA\_W  
ClientSampled :

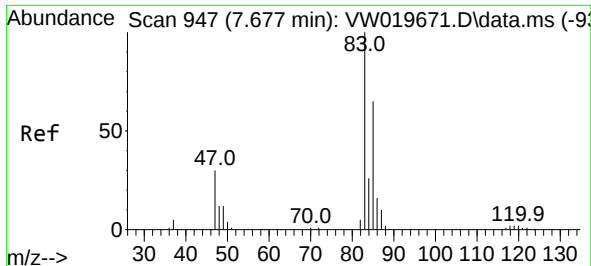
Tgt Ion: 43 Resp: 129667  
Ion Ratio Lower Upper  
43 100  
72 28.7 14.9 44.7



#23  
Bromochloromethane  
Concen: 26.759 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion: 128 Resp: 89787  
Ion Ratio Lower Upper  
128 100  
49 164.2 116.3 215.9  
130 124.4 82.4 153.0  
51 52.5 42.6 64.0

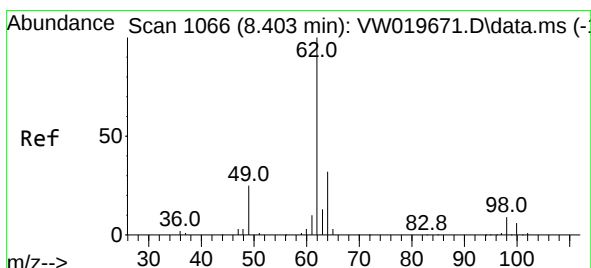
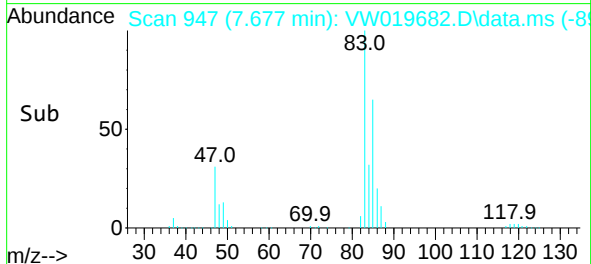
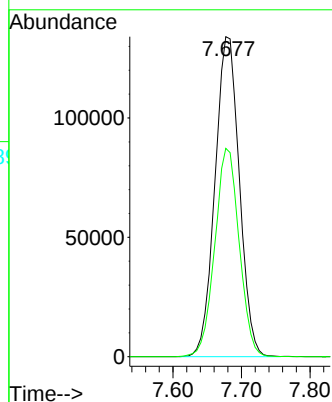
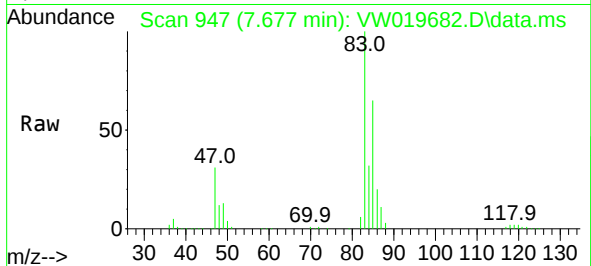




#25  
Chloroform  
Concen: 25.851 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

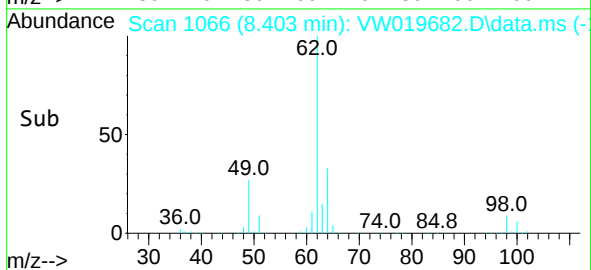
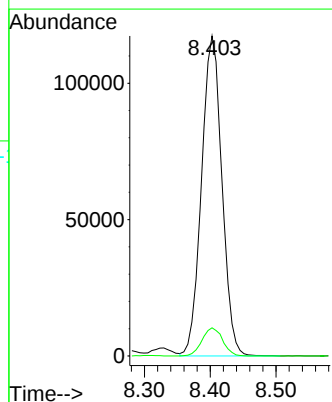
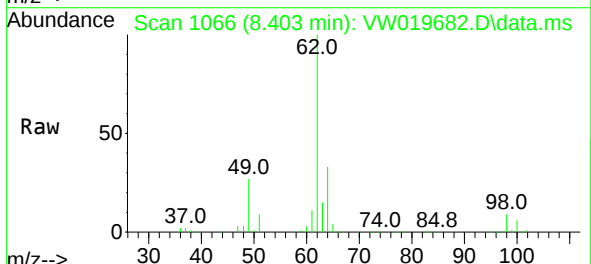
Instrument :  
MSVOA\_W  
ClientSampled :

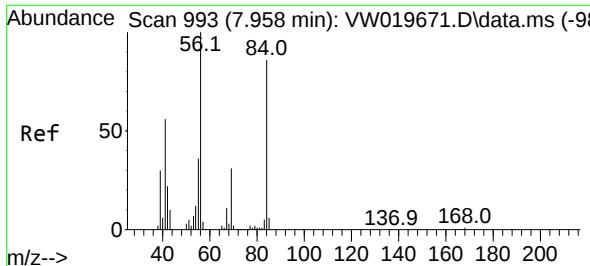
Tgt Ion: 83 Resp: 330721  
Ion Ratio Lower Upper  
83 100  
85 65.1 44.6 82.8



#27  
1,2-Dichloroethane  
Concen: 29.438 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

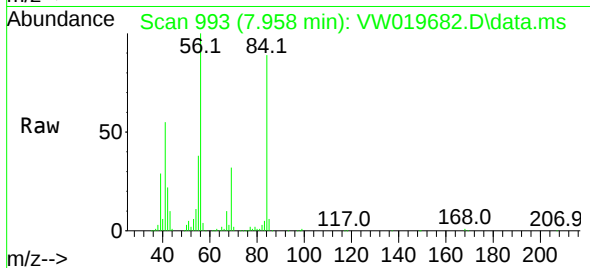
Tgt Ion: 62 Resp: 253381  
Ion Ratio Lower Upper  
62 100  
98 8.8 6.9 10.3



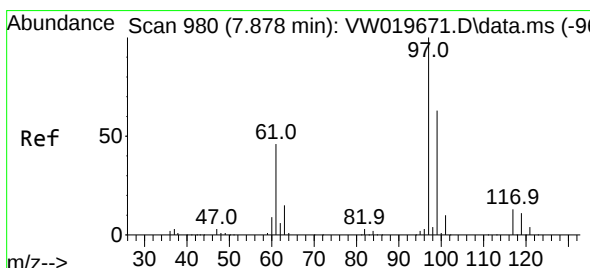
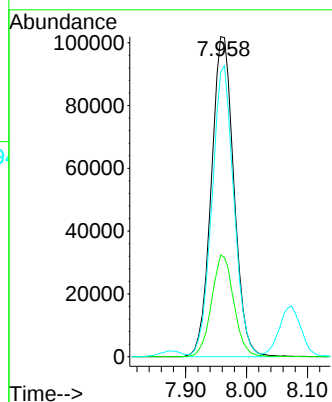
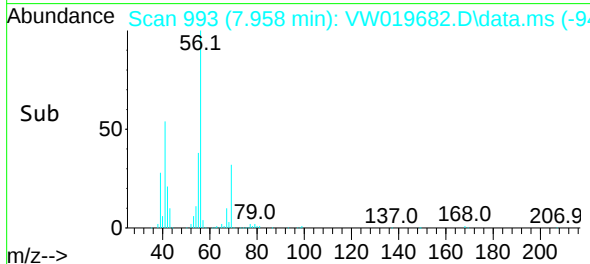


#29  
Cyclohexane  
Concen: 21.449 ug/L  
RT: 7.958 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

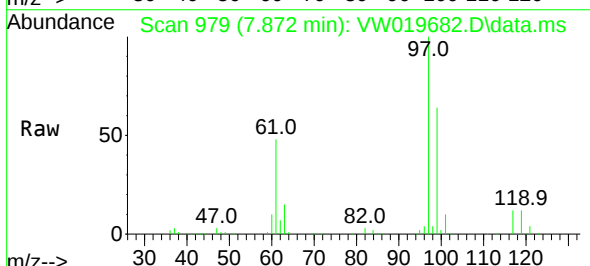
Instrument :  
MSVOA\_W  
ClientSampleId :



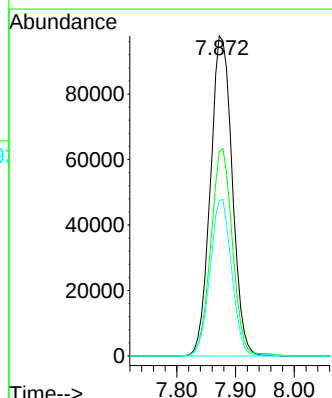
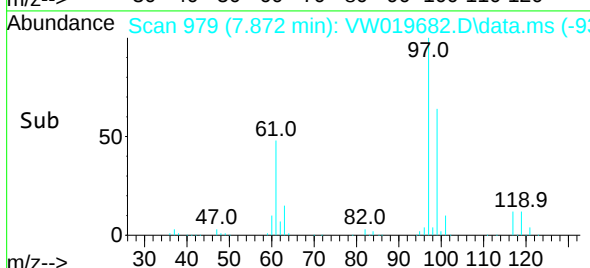
Tgt Ion: 56 Resp: 262410  
Ion Ratio Lower Upper  
56 100  
69 31.2 24.5 36.7  
84 88.6 75.0 112.4

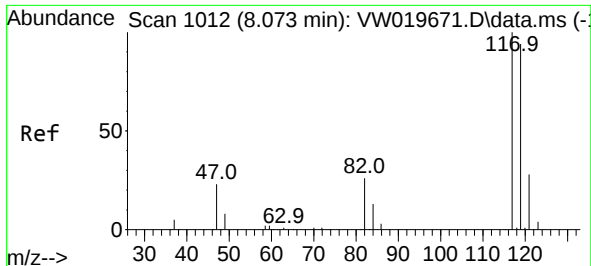


#30  
1,1,1-Trichloroethane  
Concen: 25.579 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51



Tgt Ion: 97 Resp: 251847  
Ion Ratio Lower Upper  
97 100  
99 64.0 51.4 77.2  
61 48.2 37.8 56.6

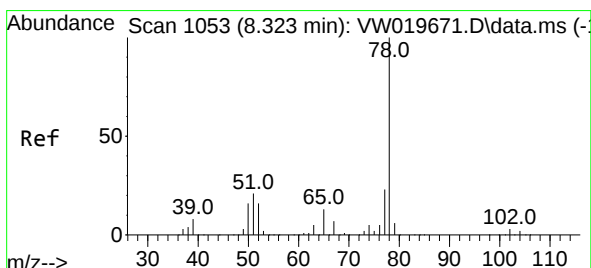
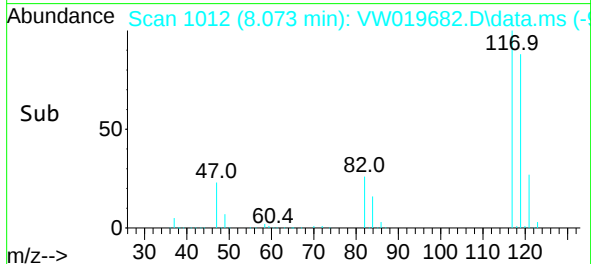
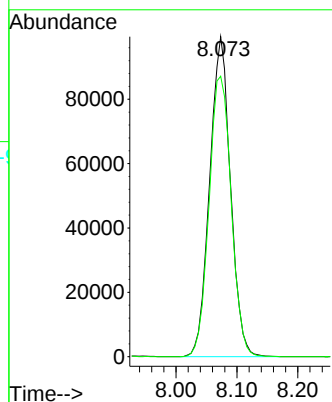
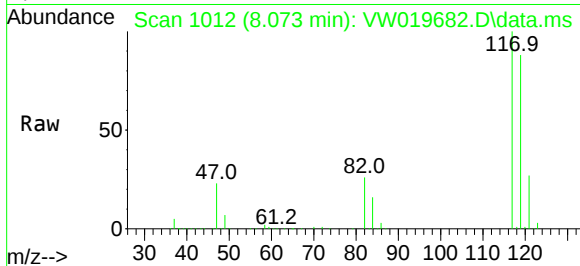




#31  
Carbon tetrachloride  
Concen: 25.713 ug/L  
RT: 8.073 min Scan# 1012  
Delta R.T. -0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

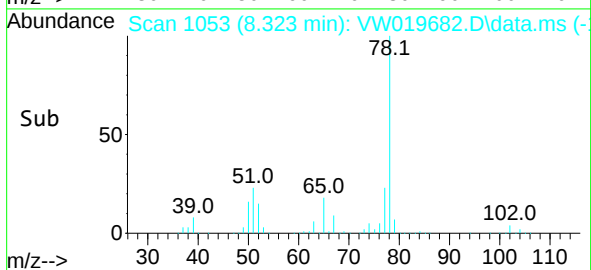
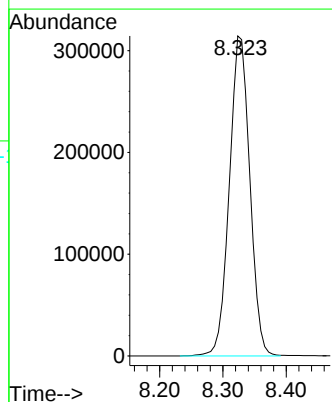
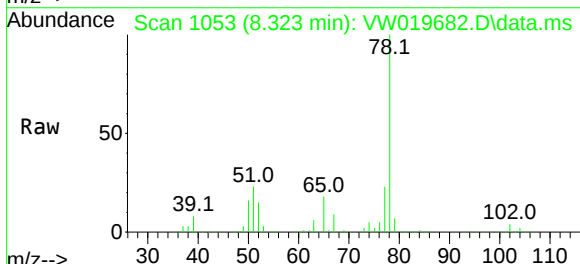
Instrument :  
MSVOA\_W  
ClientSampled :

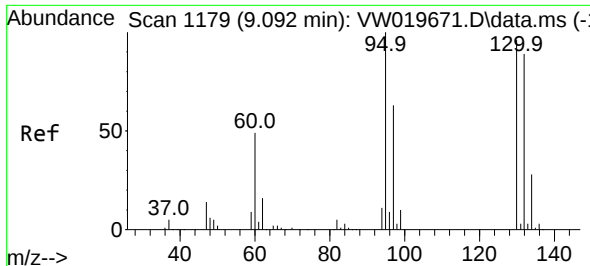
Tgt Ion:117 Resp: 235549  
Ion Ratio Lower Upper  
117 100  
119 93.6 76.5 114.7



#33  
Benzene  
Concen: 23.684 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion: 78 Resp: 707229

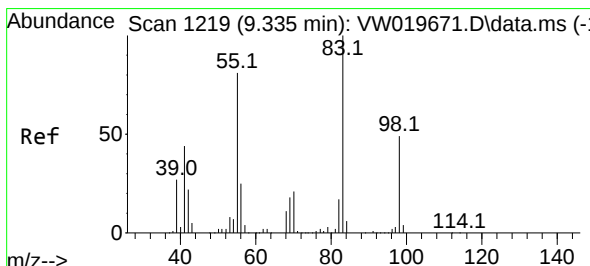
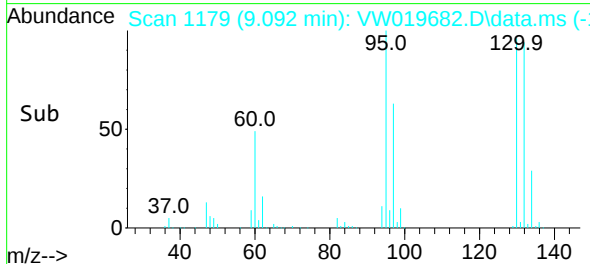
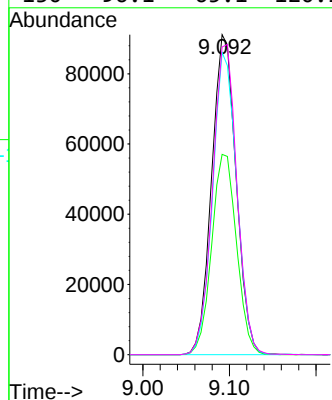
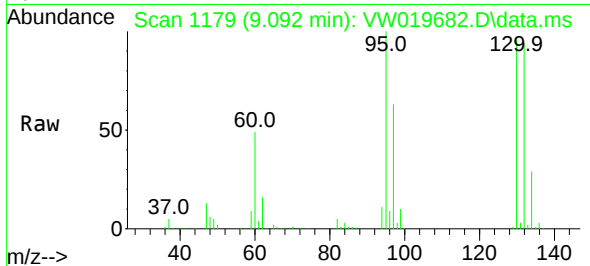




#34  
Trichloroethene  
Concen: 23.451 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

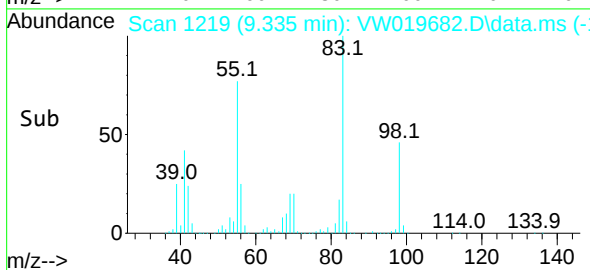
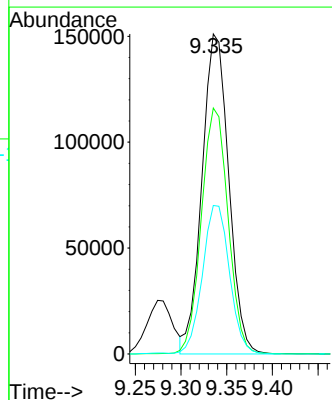
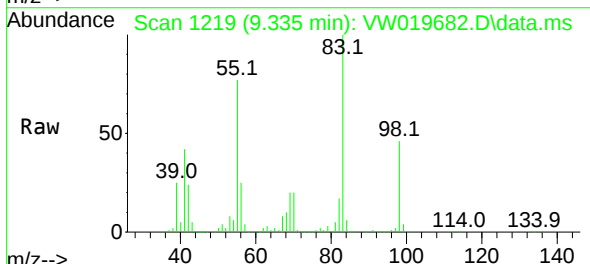
Instrument :  
MSVOA\_W  
ClientSampled :

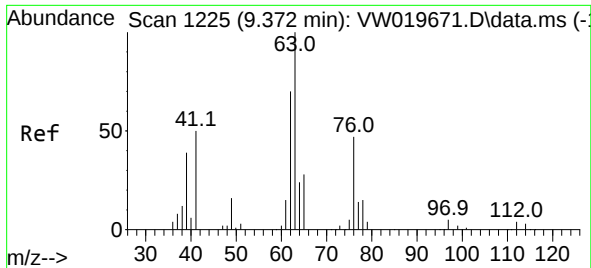
Tgt Ion: 95 Resp: 178728  
Ion Ratio Lower Upper  
95 100  
97 62.6 47.3 87.8  
132 94.5 71.0 131.8  
130 96.1 65.1 120.9



#35  
Methylcyclohexane  
Concen: 22.798 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion: 83 Resp: 307469  
Ion Ratio Lower Upper  
83 100  
55 76.9 58.9 88.3  
98 47.1 40.1 60.1

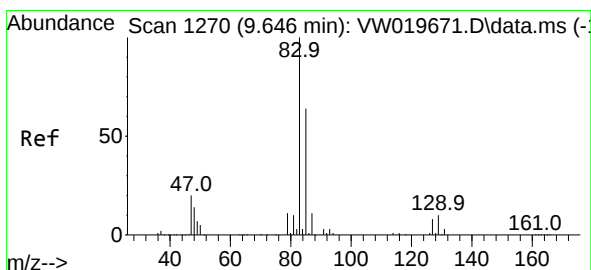
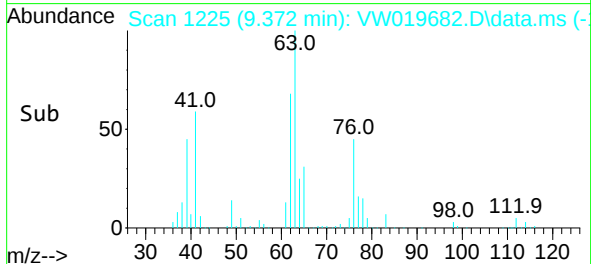
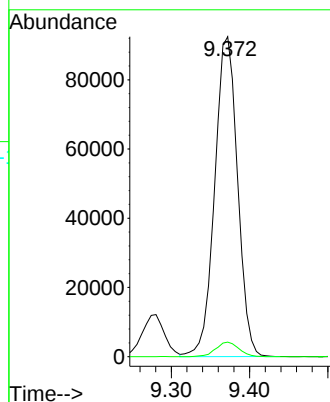
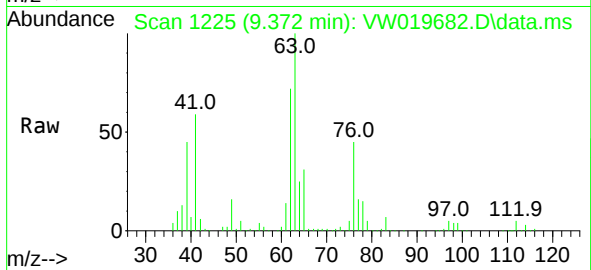




#37  
1,2-Dichloropropane  
Concen: 24.756 ug/L  
RT: 9.372 min Scan# 1225  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

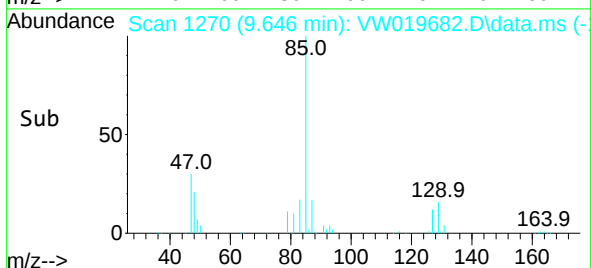
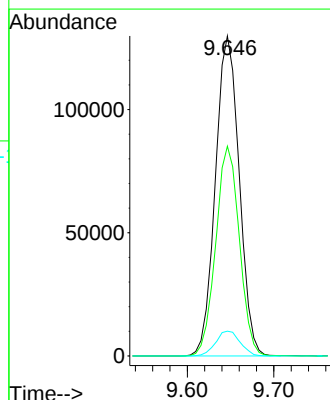
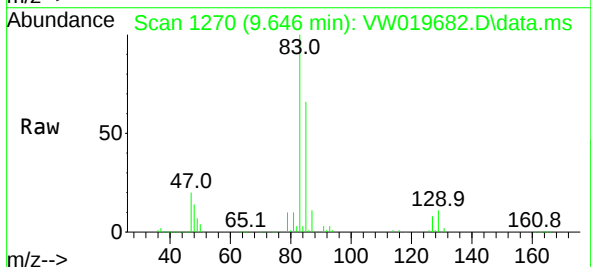
Instrument :  
MSVOA\_W  
ClientSampled :

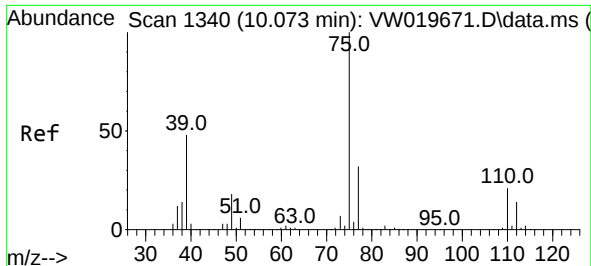
Tgt Ion: 63 Resp: 187332  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.9 5.9



#38  
Bromodichloromethane  
Concen: 26.443 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion: 83 Resp: 248126  
Ion Ratio Lower Upper  
83 100  
85 65.6 42.3 78.5  
127 7.7 6.6 9.8

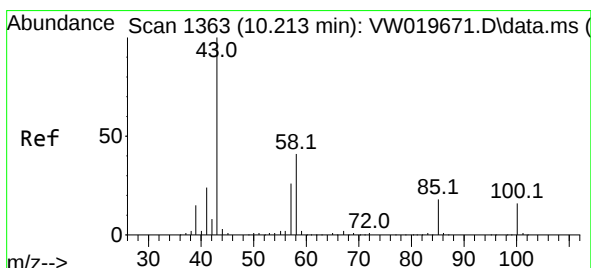
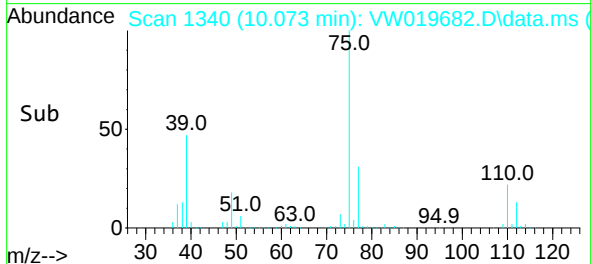
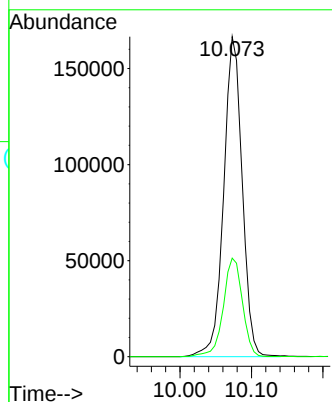
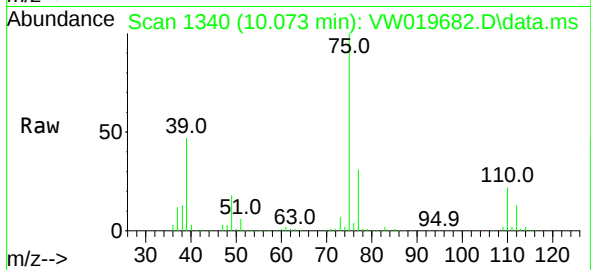




#39  
cis-1,3-Dichloropropene  
Concen: 25.891 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

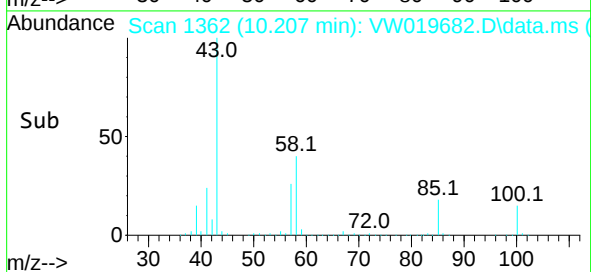
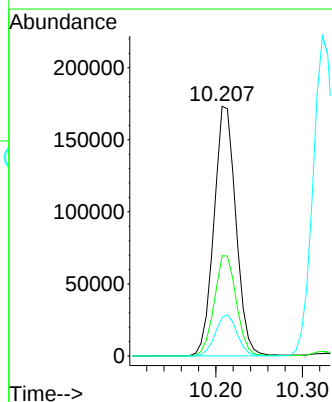
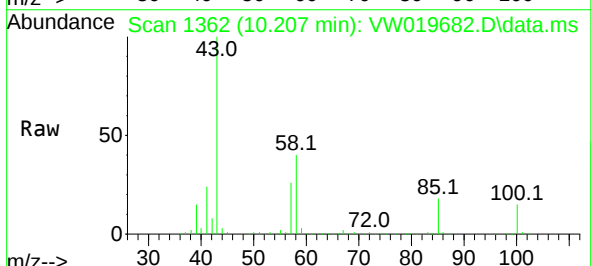
Instrument :  
MSVOA\_W  
ClientSampled :

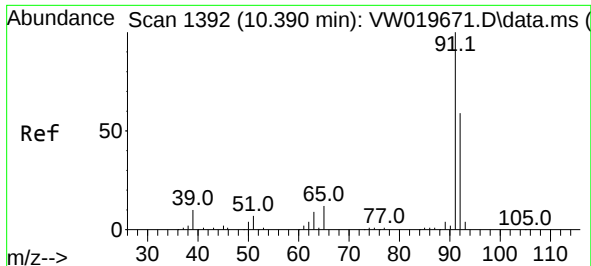
Tgt Ion: 75 Resp: 299625  
Ion Ratio Lower Upper  
75 100  
77 30.8 22.6 42.0



#40  
4-Methyl-2-pentanone  
Concen: 63.906 ug/L  
RT: 10.207 min Scan# 1362  
Delta R.T. -0.006 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion: 43 Resp: 305221  
Ion Ratio Lower Upper  
43 100  
58 40.4 31.0 46.4  
100 16.3 13.0 19.6

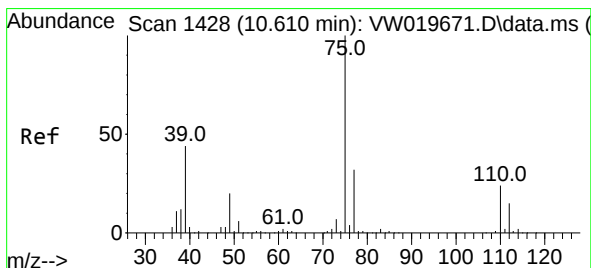
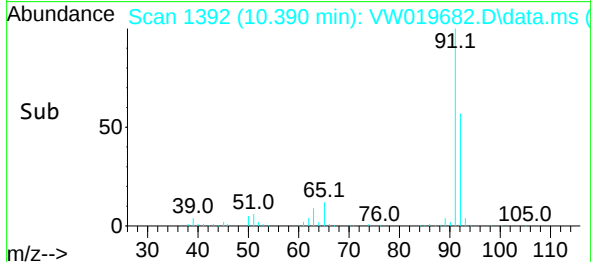
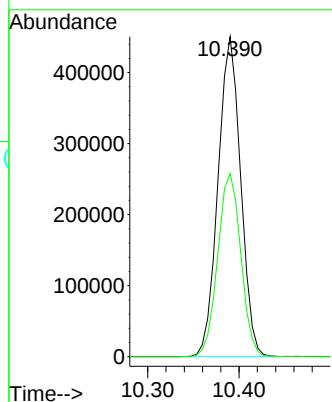
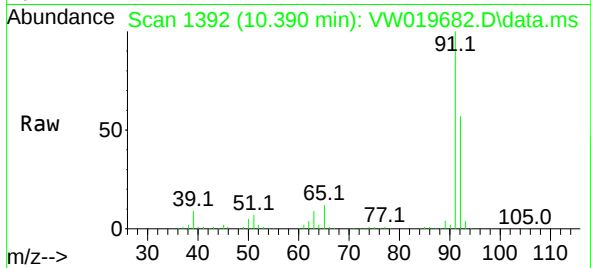




#42  
Toluene  
Concen: 24.940 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

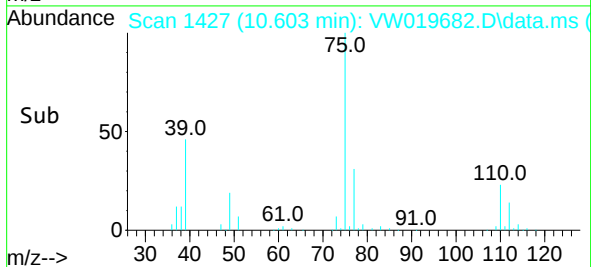
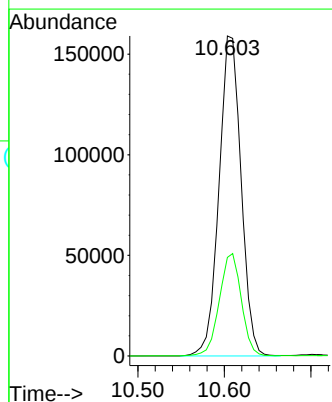
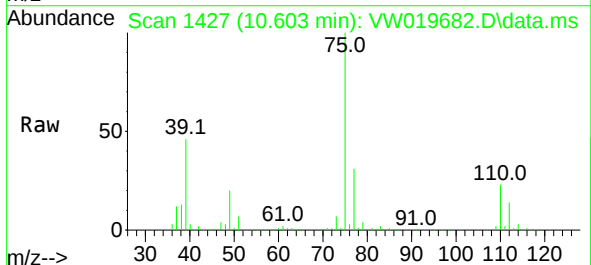
Instrument :  
MSVOA\_W  
ClientSampled :

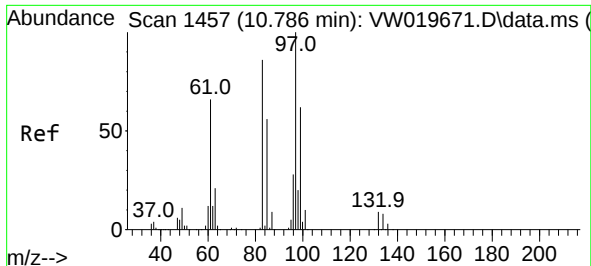
Tgt Ion: 91 Resp: 776228  
Ion Ratio Lower Upper  
91 100  
92 57.2 39.5 73.3



#44  
trans-1,3-Dichloropropene  
Concen: 27.643 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. -0.006 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion: 75 Resp: 281388  
Ion Ratio Lower Upper  
75 100  
77 30.8 21.1 39.1

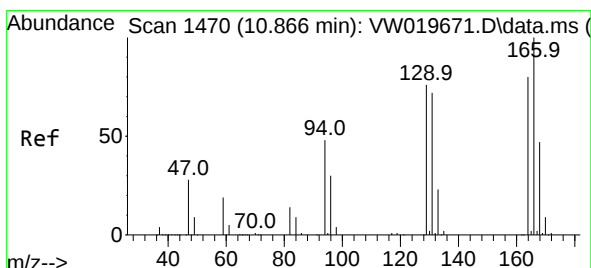
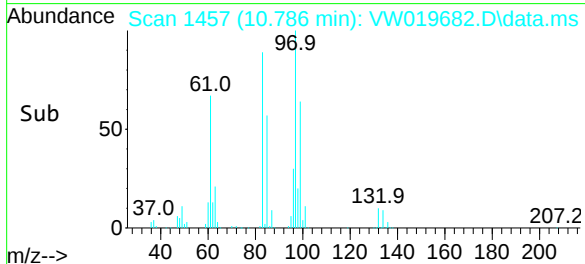
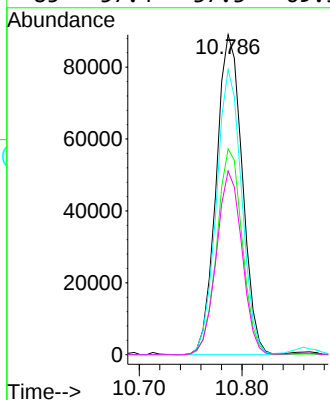
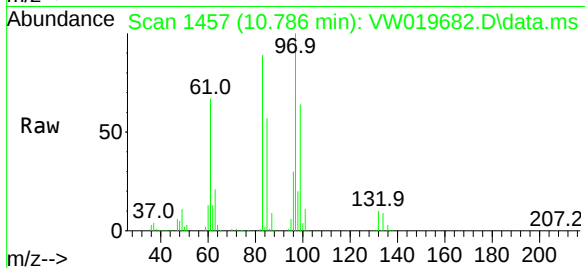




#45  
1,1,2-Trichloroethane  
Concen: 27.821 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

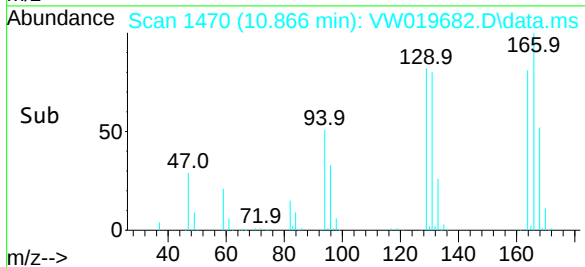
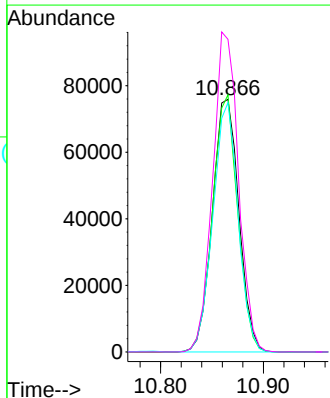
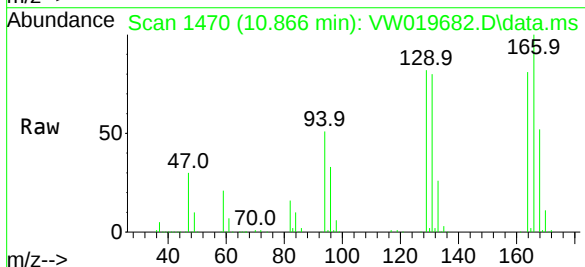
Instrument :  
MSVOA\_W  
ClientSampleId :

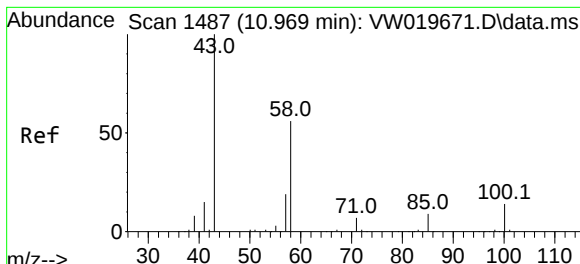
Tgt Ion: 97 Resp: 156644  
Ion Ratio Lower Upper  
97 100  
99 64.3 45.1 83.7  
83 89.1 58.1 107.9  
85 57.4 37.3 69.3



#46  
Tetrachloroethene  
Concen: 23.428 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion:164 Resp: 136084  
Ion Ratio Lower Upper  
164 100  
129 101.8 66.7 123.9  
131 98.7 61.1 113.5  
166 123.8 87.0 161.6



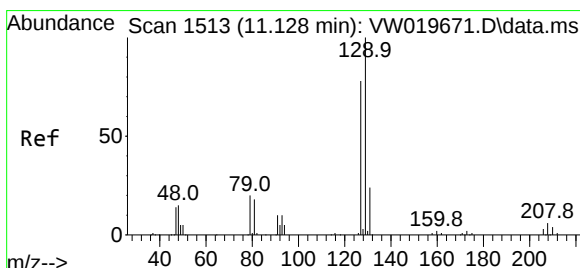
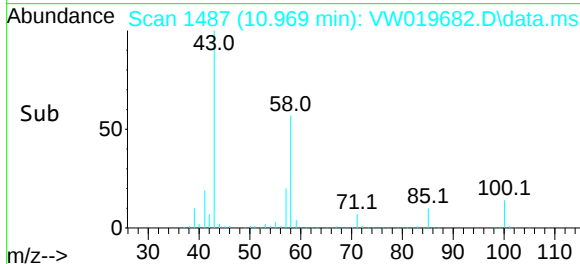
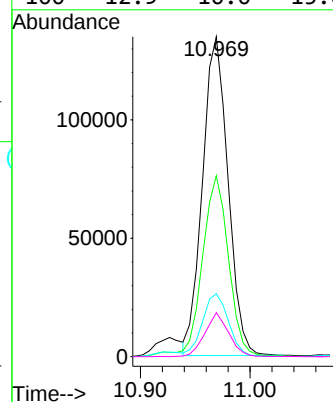
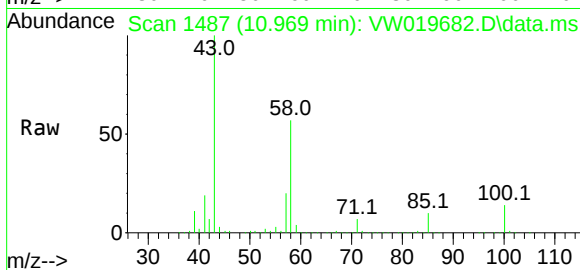


#48  
2-Hexanone  
Concen: 66.869 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 217523

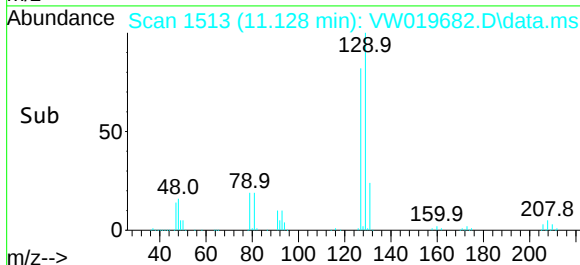
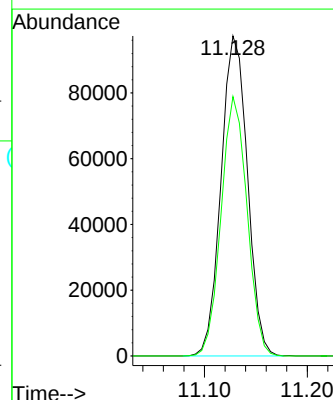
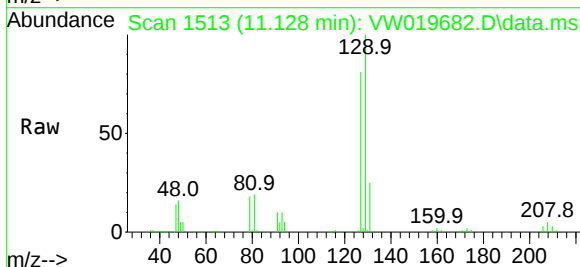
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 57.3  | 42.7  | 64.1  |
| 57  | 20.3  | 15.8  | 23.8  |
| 100 | 12.9  | 10.0  | 15.0  |

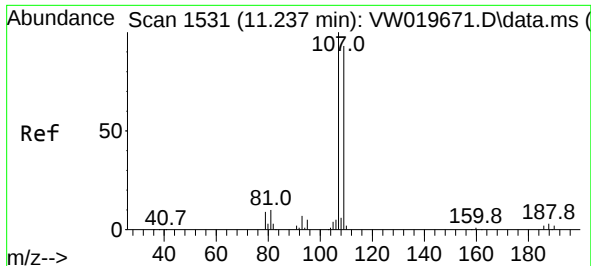


#49  
Dibromochloromethane  
Concen: 28.663 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion: 129 Resp: 173560

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 81.1  | 51.7  | 95.9  |

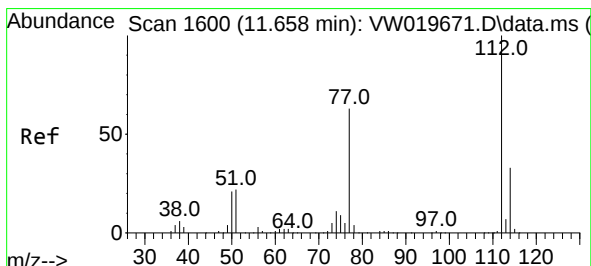
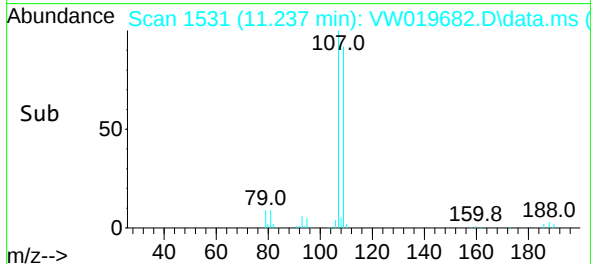
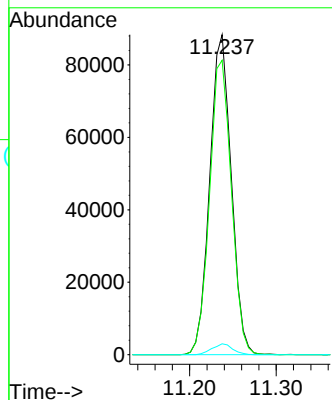
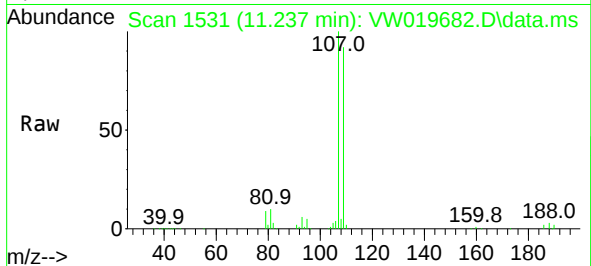




#50  
1,2-Dibromoethane  
Concen: 28.197 ug/L  
RT: 11.237 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

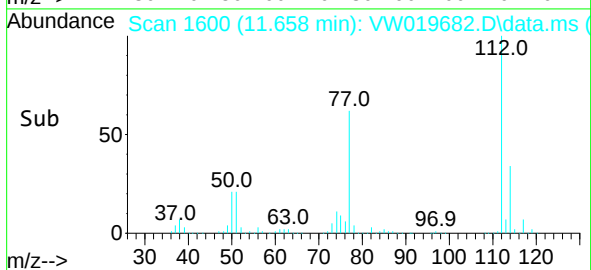
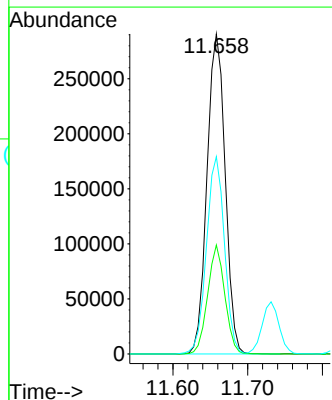
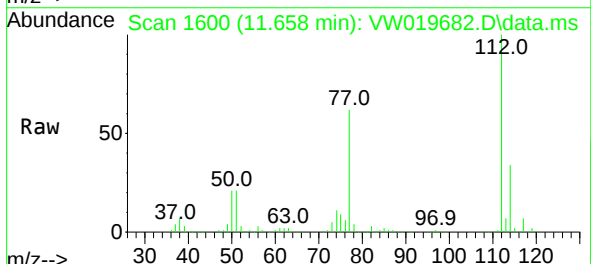
Instrument :  
MSVOA\_W  
ClientSampleId :

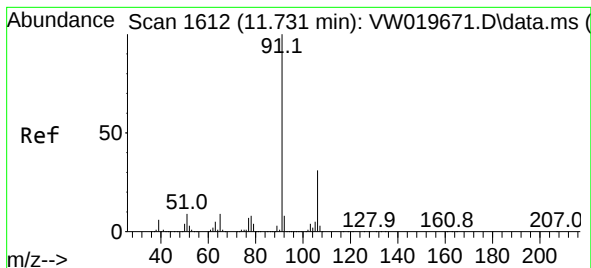
Tgt Ion:107 Resp: 152274  
Ion Ratio Lower Upper  
107 100  
109 92.0 65.4 121.4  
188 3.4 2.6 4.0



#51  
Chlorobenzene  
Concen: 25.054 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion:112 Resp: 490339  
Ion Ratio Lower Upper  
112 100  
114 34.1 23.4 43.6  
77 61.7 47.6 71.4

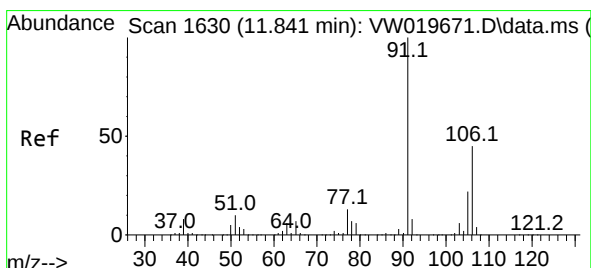
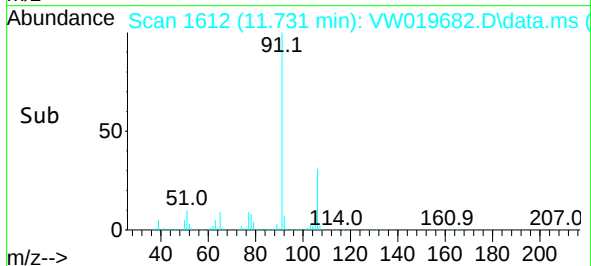
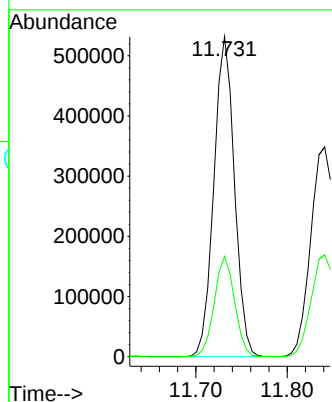
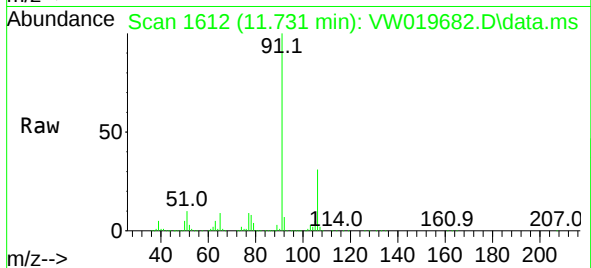




#52  
Ethylbenzene  
Concen: 24.492 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

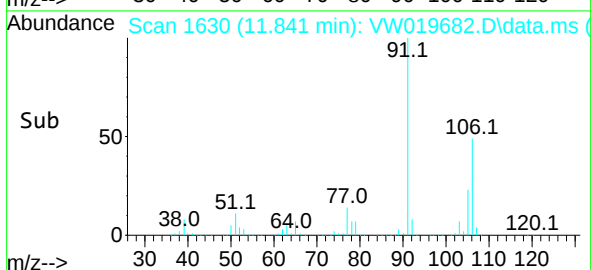
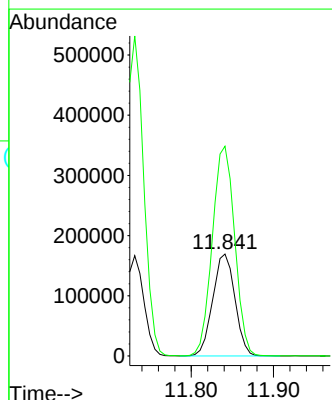
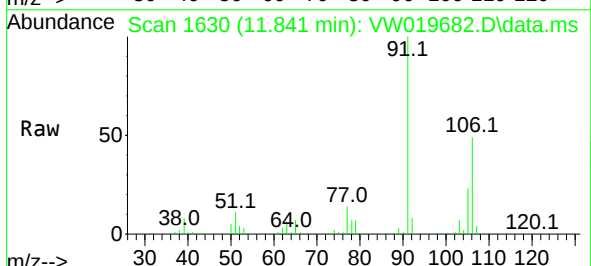
Instrument :  
MSVOA\_W  
ClientSampled :

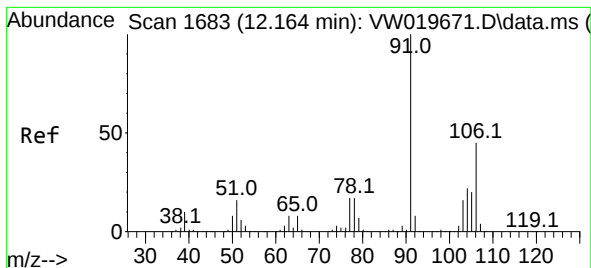
Tgt Ion: 91 Resp: 829853  
Ion Ratio Lower Upper  
91 100  
106 31.4 22.5 41.7



#53  
m,p-Xylene  
Concen: 24.760 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion: 106 Resp: 317048  
Ion Ratio Lower Upper  
106 100  
91 205.6 141.3 262.3

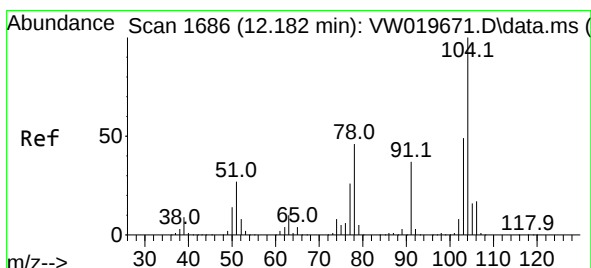
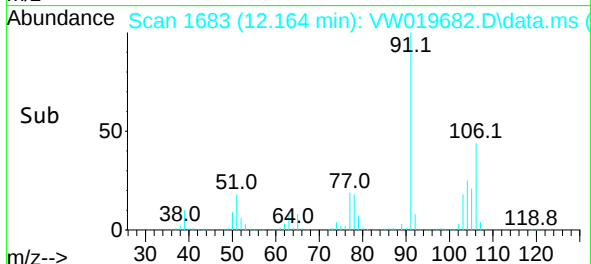
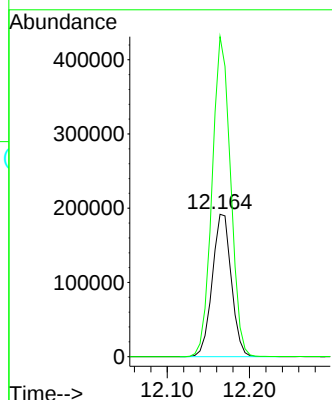
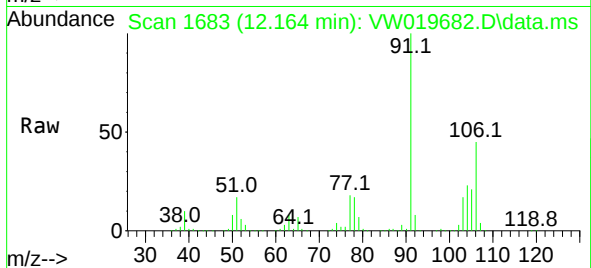




#54  
o-Xylene  
Concen: 25.458 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

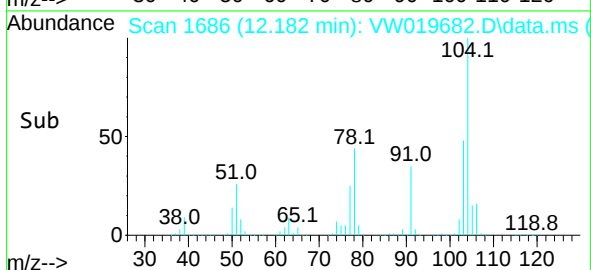
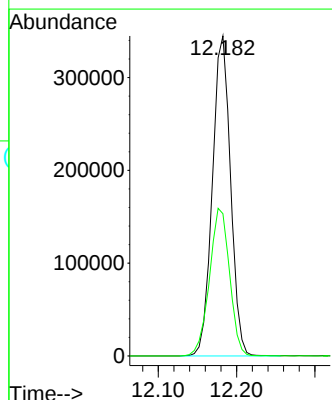
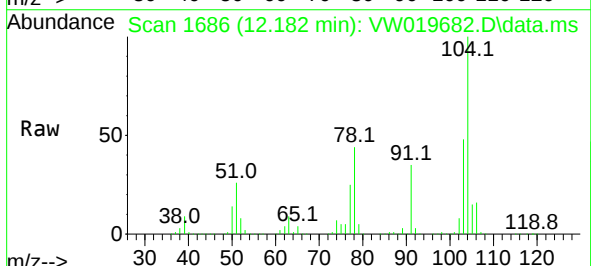
Instrument :  
MSVOA\_W  
ClientSampled :

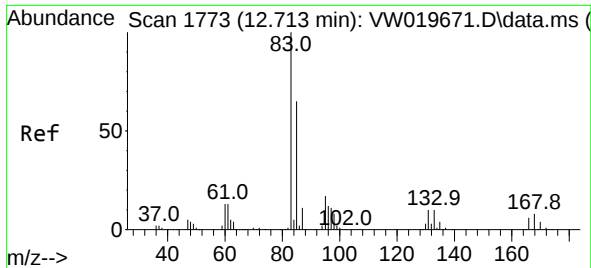
Tgt Ion:106 Resp: 308050  
Ion Ratio Lower Upper  
106 100  
91 224.6 150.0 278.6



#55  
Styrene  
Concen: 26.486 ug/L  
RT: 12.182 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion:104 Resp: 555298  
Ion Ratio Lower Upper  
104 100  
78 44.5 32.5 60.3

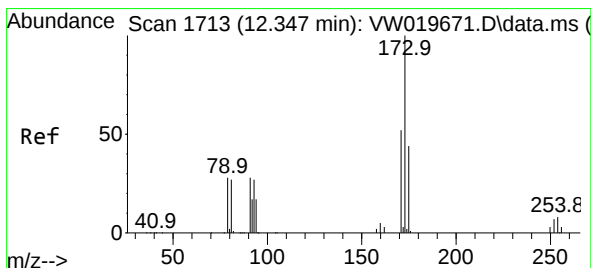
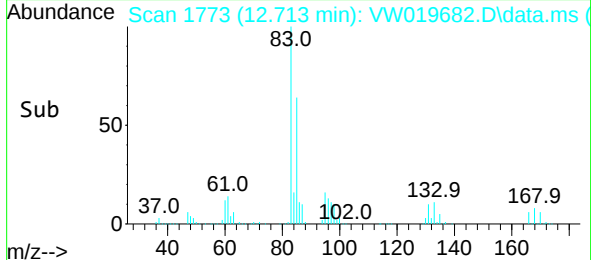
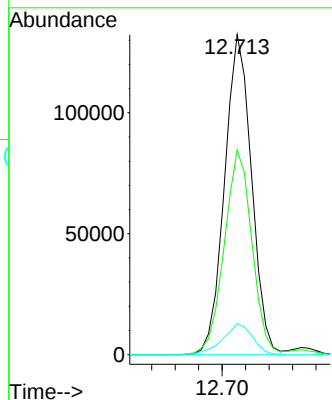
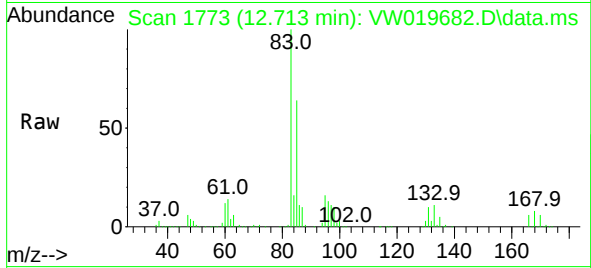




#57  
1,1,2,2-Tetrachloroethane  
Concen: 30.411 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

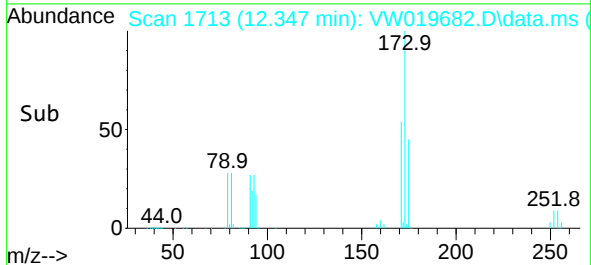
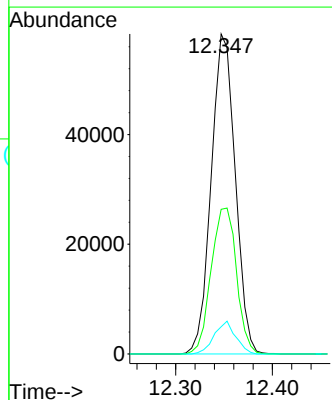
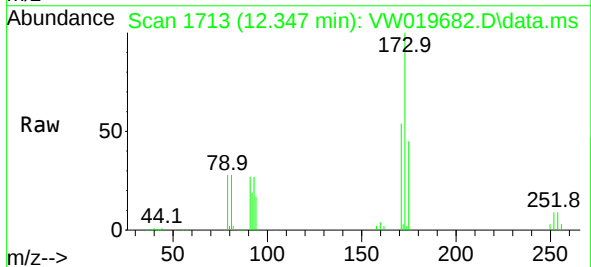
Instrument :  
MSVOA\_W  
ClientSampleId :

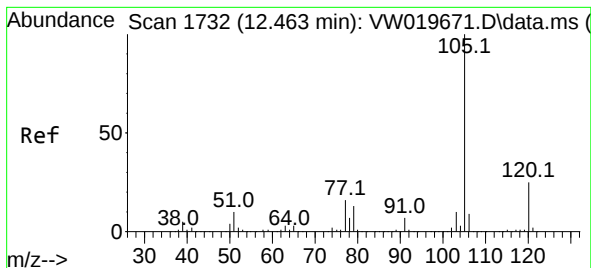
Tgt Ion: 83 Resp: 210867  
Ion Ratio Lower Upper  
83 100  
85 64.0 44.4 82.4  
131 9.7 8.2 12.4



#59  
Bromoform  
Concen: 27.730 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion:173 Resp: 100855  
Ion Ratio Lower Upper  
173 100  
175 48.0 37.5 56.3  
254 9.1 7.0 10.4

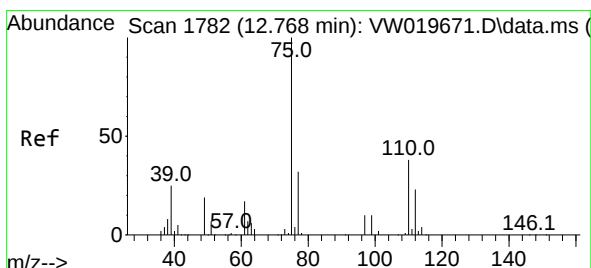
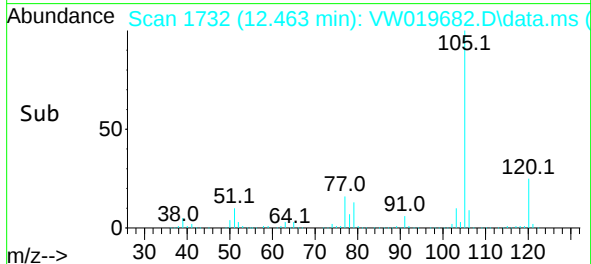
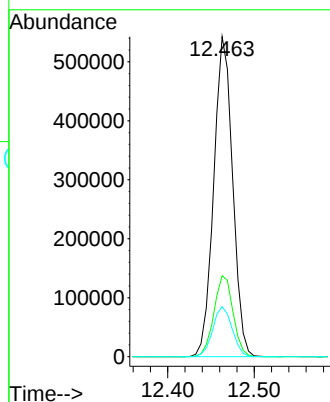
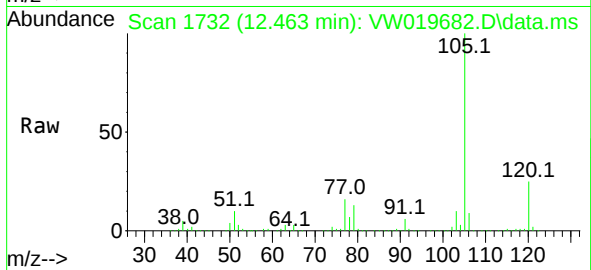




#60  
Isopropylbenzene  
Concen: 24.047 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

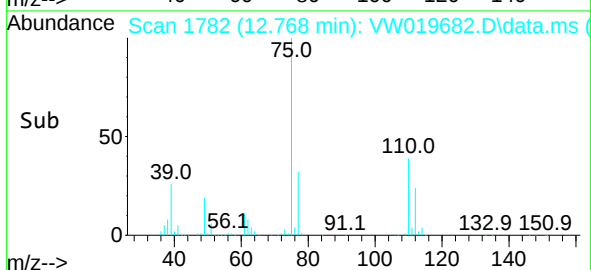
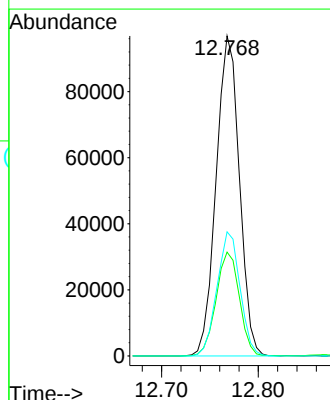
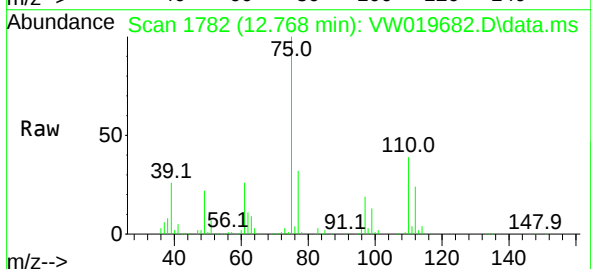
Instrument :  
MSVOA\_W  
ClientSampled :

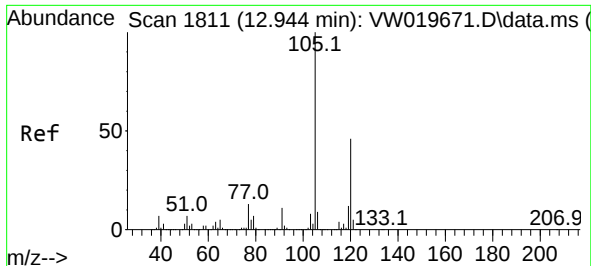
Tgt Ion:105 Resp: 823487  
Ion Ratio Lower Upper  
105 100  
120 25.6 21.1 31.7  
77 16.0 13.2 19.8



#61  
1,2,3-Trichloropropane  
Concen: 28.943 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion: 75 Resp: 161554  
Ion Ratio Lower Upper  
75 100  
77 32.6 25.3 37.9  
110 38.4 32.6 48.8

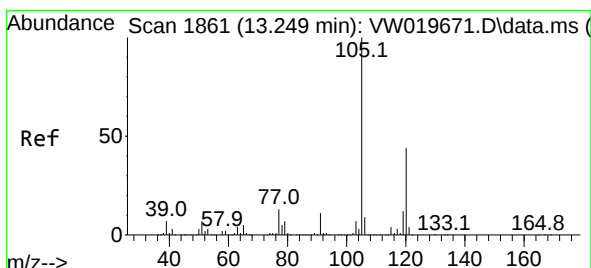
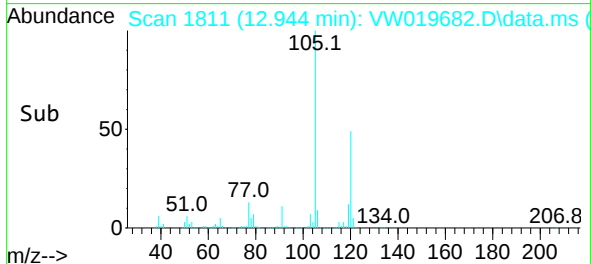
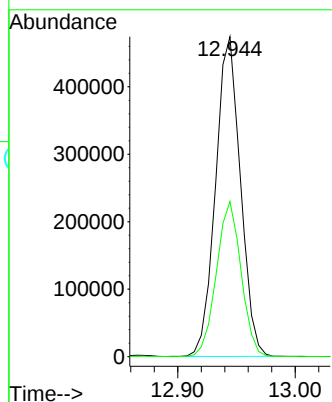
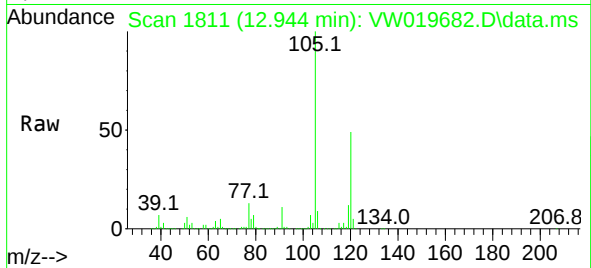




#62  
1,3,5-Trimethylbenzene  
Concen: 24.283 ug/L  
RT: 12.944 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

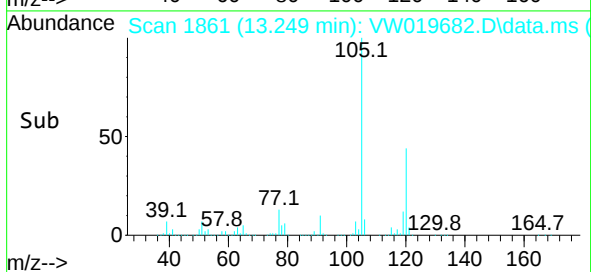
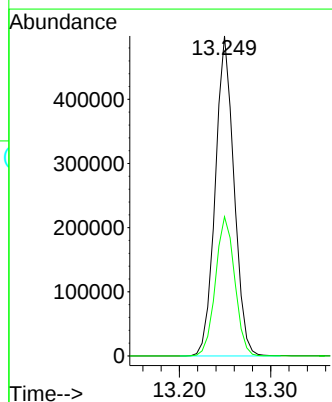
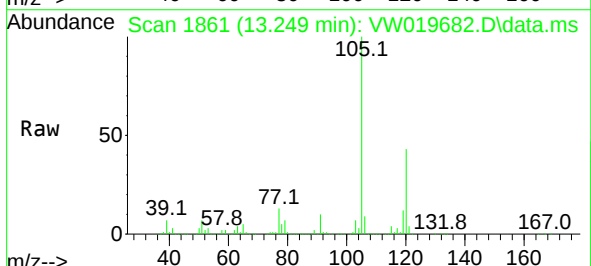
Instrument :  
MSVOA\_W  
ClientSampled :

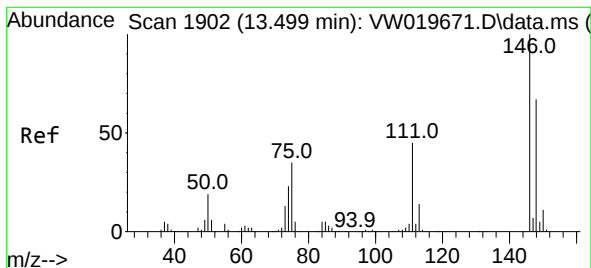
Tgt Ion:105 Resp: 696263  
Ion Ratio Lower Upper  
105 100  
120 48.2 39.0 58.6



#63  
1,2,4-Trimethylbenzene  
Concen: 24.550 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion:105 Resp: 709265  
Ion Ratio Lower Upper  
105 100  
120 44.7 35.6 53.4

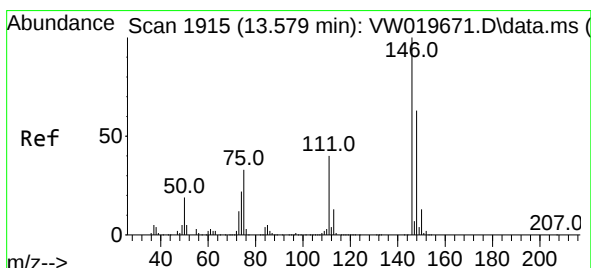
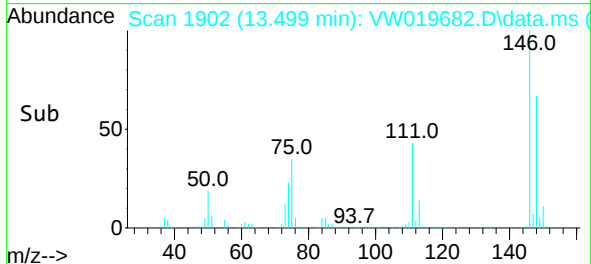
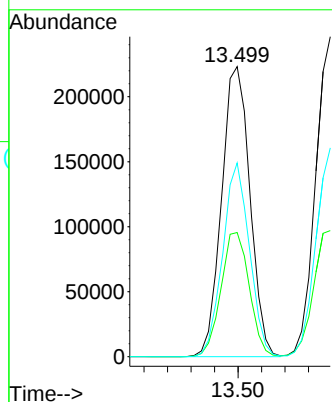
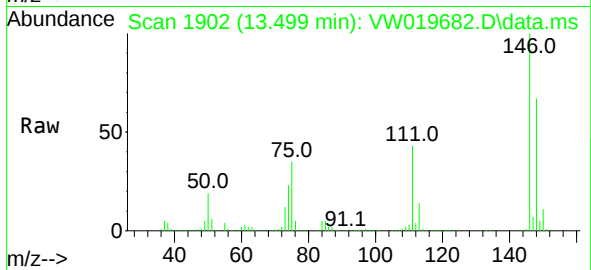




#64  
1,3-Dichlorobenzene  
Concen: 23.864 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

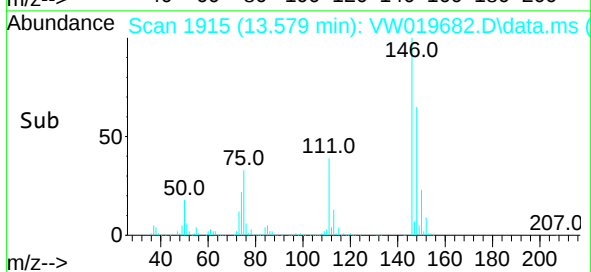
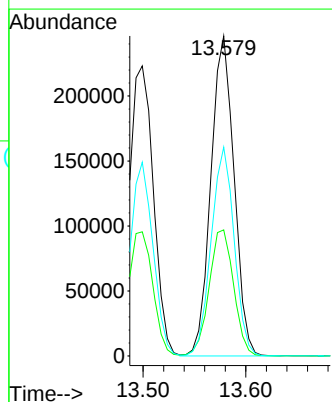
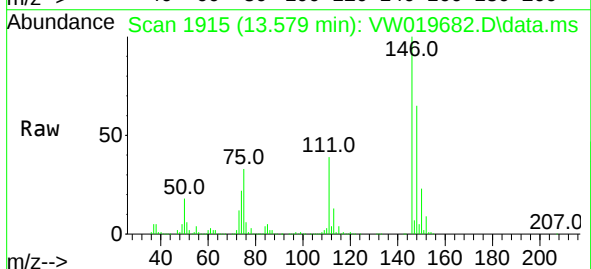
Instrument :  
MSVOA\_W  
ClientSampled :

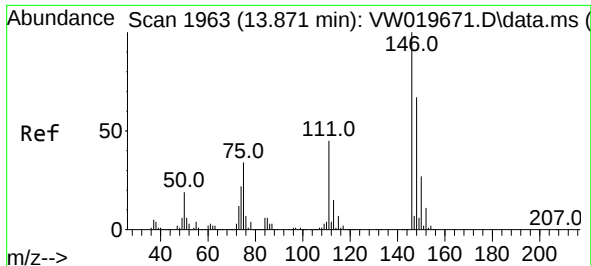
Tgt Ion:146 Resp: 373962  
Ion Ratio Lower Upper  
146 100  
111 42.8 26.7 49.7  
148 66.8 41.1 76.3



#65  
1,4-Dichlorobenzene  
Concen: 24.917 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion:146 Resp: 385829  
Ion Ratio Lower Upper  
146 100  
111 39.4 28.8 53.4  
148 65.3 46.8 87.0

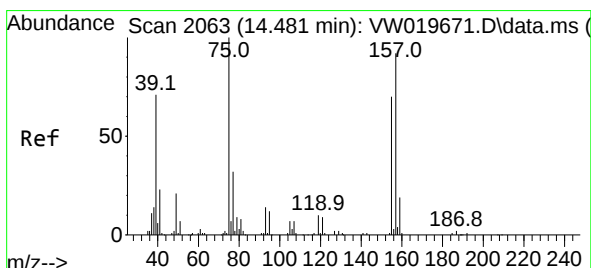
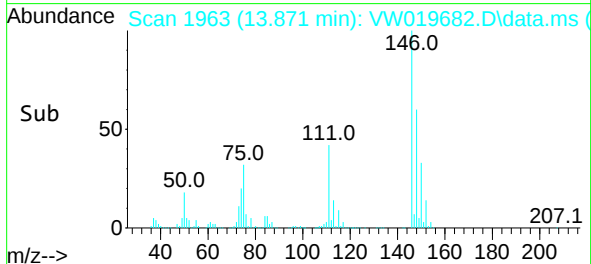
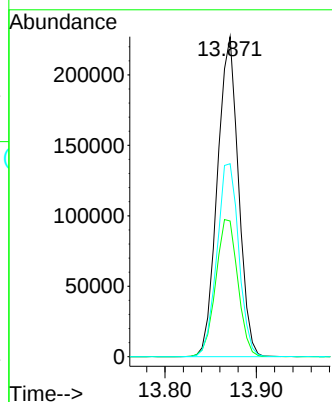
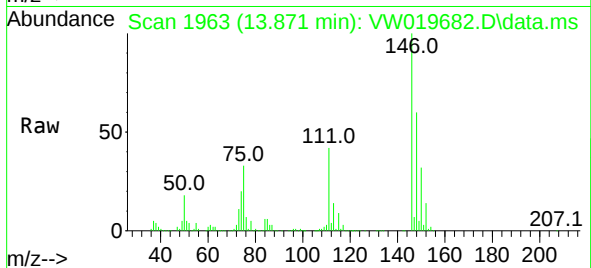




#67  
1,2-Dichlorobenzene  
Concen: 25.762 ug/L  
RT: 13.871 min Scan# 1963  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

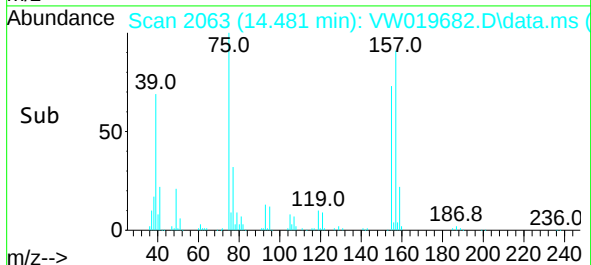
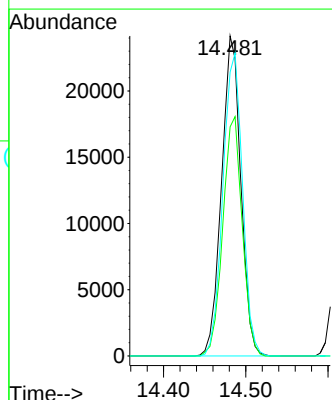
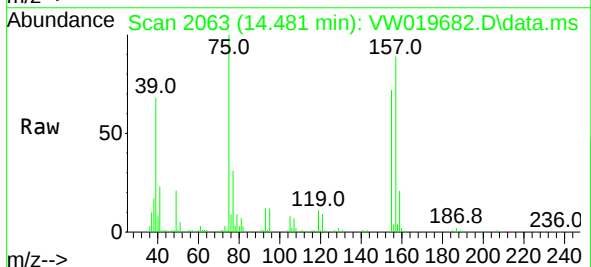
Instrument :  
MSVOA\_W  
ClientSampled :

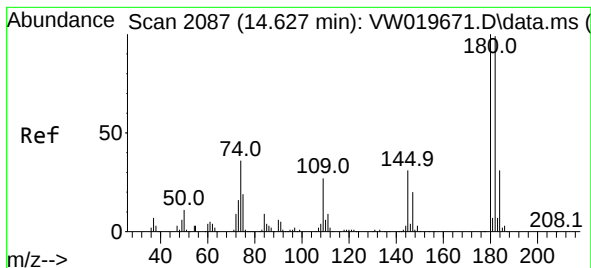
Tgt Ion:146 Resp: 363696  
Ion Ratio Lower Upper  
146 100  
111 42.4 33.2 49.8  
148 60.3 50.4 75.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 32.228 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

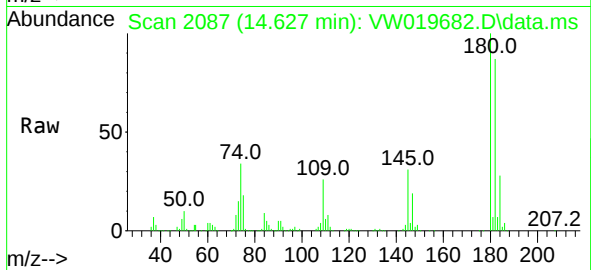
Tgt Ion: 75 Resp: 39256  
Ion Ratio Lower Upper  
75 100  
155 71.6 59.4 89.0  
157 88.7 72.2 108.2



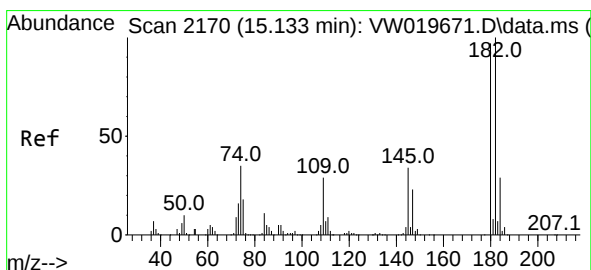
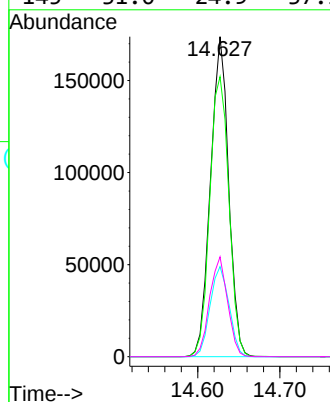
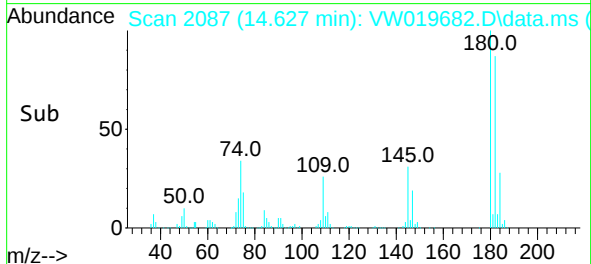


#69  
1,3,5-Trichlorobenzene  
Concen: 23.219 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

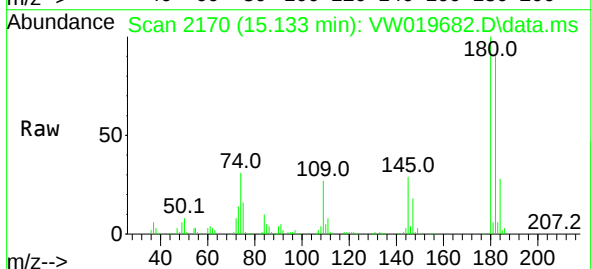
Instrument :  
MSVOA\_W  
ClientSampleId :



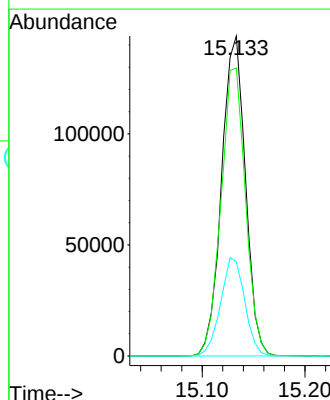
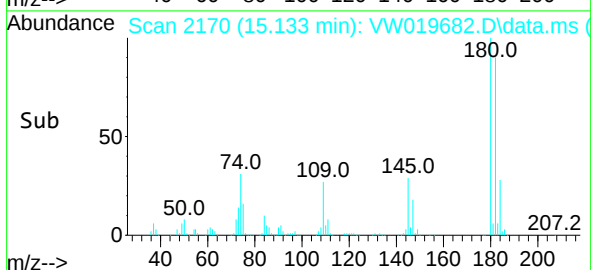
Tgt Ion:180 Resp: 265862  
Ion Ratio Lower Upper  
180 100  
182 92.4 73.4 110.2  
184 29.4 23.6 35.4  
145 31.0 24.9 37.3

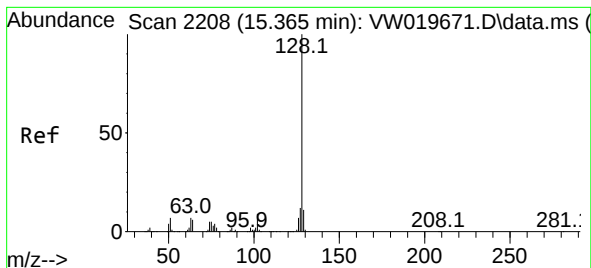


#70  
1,2,4-trichlorobenzene  
Concen: 24.202 ug/L  
RT: 15.133 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51



Tgt Ion:180 Resp: 231684  
Ion Ratio Lower Upper  
180 100  
182 92.5 74.7 112.1  
145 31.1 25.0 37.4

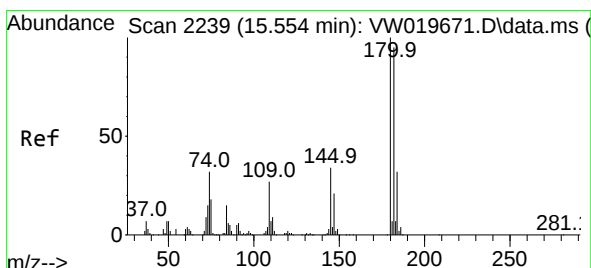
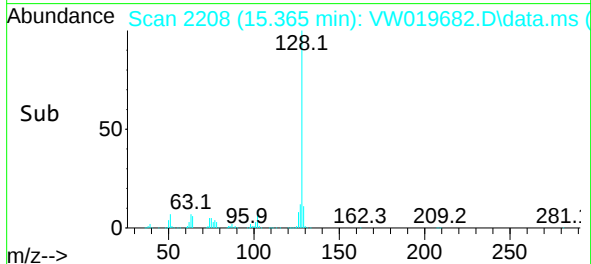
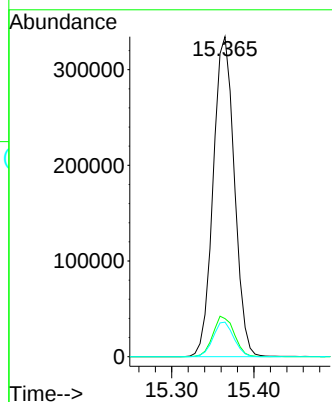
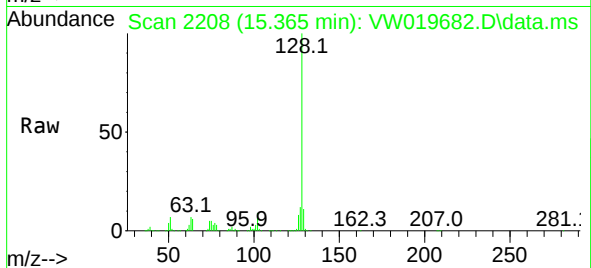




#71  
Naphthalene  
Concen: 30.908 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 597591  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.6 15.8  
129 10.7 9.0 13.6



#72  
1,2,3-Trichlorobenzene  
Concen: 25.691 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. 0.000 min  
Lab File: VW019682.D  
Acq: 05 Aug 2021 14:51

Tgt Ion:180 Resp: 220250  
Ion Ratio Lower Upper  
180 100  
182 92.8 76.7 115.1  
145 34.2 28.9 43.3

