

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092421\  
 Data File : VW020182.D  
 Acq On : 24 Sep 2021 11:10  
 Operator : SY/VA  
 Sample : M3874-02MS  
 Misc : 5.15g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Sep 25 00:39:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Sep 25 00:37:21 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 363803   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 341645   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 176855   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 142042   | 19.085   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 76.320%  |
| 7) Chloroethane-d5            | 2.897  | 69    | 111939   | 19.965   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.840%  |
| 11) 1,1-Dichloroethene-d2     | 4.031  | 63    | 242896   | 20.844   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 83.360%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 47603    | 41.448   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 82.900%  |
| 24) Chloroform-d              | 7.653  | 84    | 260548   | 22.772   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 91.080%  |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 134633   | 21.864   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 87.440%  |
| 32) Benzene-d6                | 8.281  | 84    | 485954   | 22.295   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 89.200%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 142313   | 22.561   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 90.240%  |
| 41) Toluene-d8                | 10.329 | 98    | 444956   | 22.436   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 89.760%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 59988    | 22.250   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 89.000%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 37562    | 43.029   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 86.060%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84    | 106162   | 21.818   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 87.280%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 142490   | 21.487   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 85.960%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.020  | 85    | 84052    | 26.378   | ug/L   | 89       |
| 3) Chloromethane              | 2.221  | 50    | 106647   | 24.204   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.373  | 62    | 168467   | 24.349   | ug/L   | 97       |
| 6) Bromomethane               | 2.794  | 94    | 102284   | 22.868   | ug/L   | 97       |
| 8) Chloroethane               | 2.940  | 64    | 99028    | 23.669   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.269  | 101   | 114362   | 23.494   | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101   | 124142   | 23.328   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.050  | 96    | 118121   | 24.483   | ug/L   | 90       |
| 13) Acetone                   | 4.123  | 43    | 42924    | 43.638   | ug/L   | 94       |
| 14) Carbon disulfide          | 4.397  | 76    | 375354   | 24.739   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.678  | 43    | 41384    | 22.001   | ug/L   | 99       |
| 16) Methylene chloride        | 4.921  | 84    | 127714   | 19.895   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.434  | 96    | 123842   | 24.366   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73    | 142798   | 23.667   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 6.226  | 63    | 231319   | 24.675   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.177  | 96    | 126454   | 24.464   | ug/L   | 93       |
| 22) 2-Butanone                | 7.177  | 43    | 54292    | 42.545   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.519  | 128   | 56915    | 24.290   | ug/L   | 93       |
| 25) Chloroform                | 7.683  | 83    | 244362   | 24.927   | ug/L   | 99       |

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 Operator : SY/VA  
 Sample : M3874-02MS  
 Misc : 5.15g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

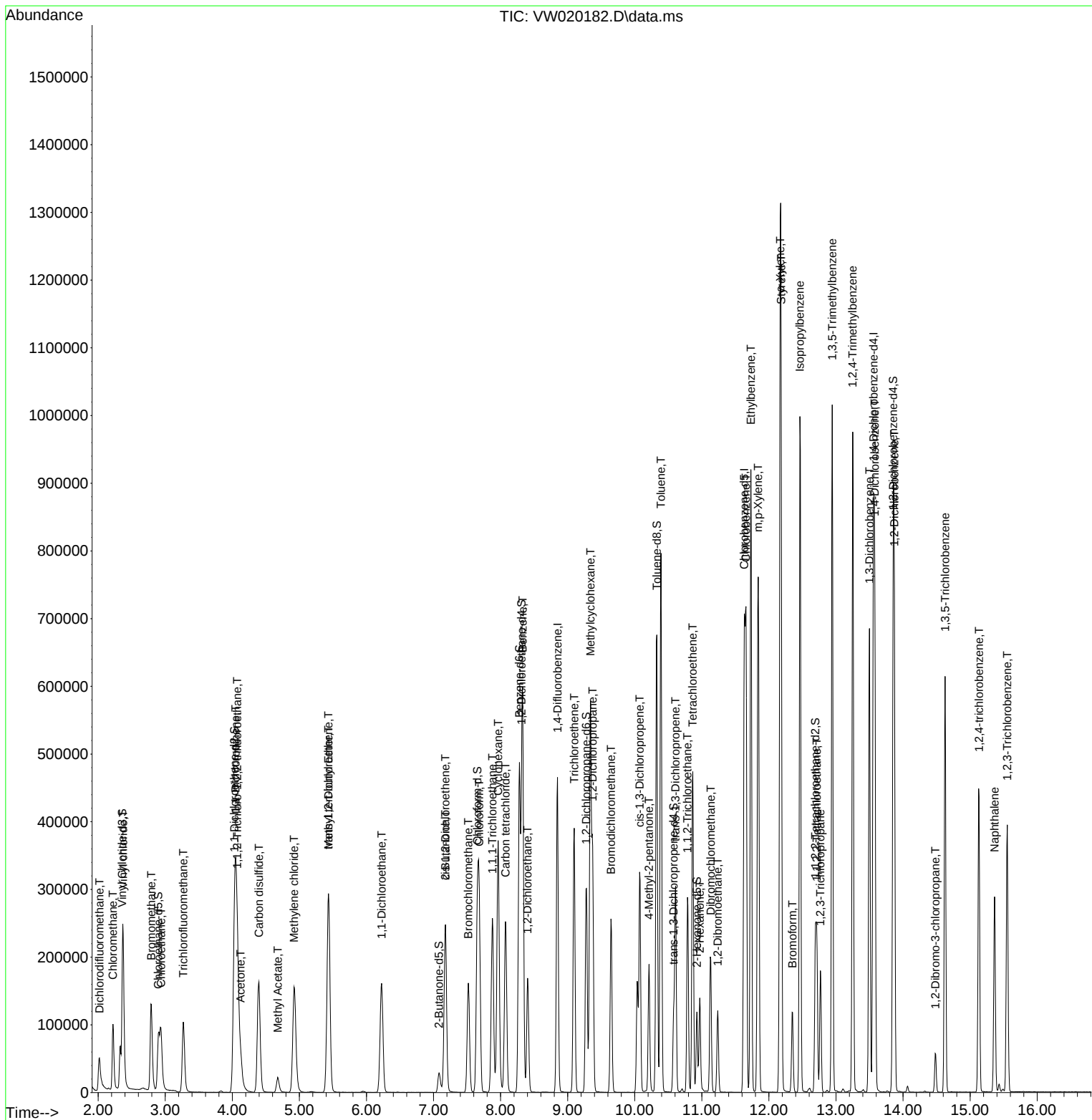
Instrument :  
 MSVOA\_W  
 ClientSampleId :

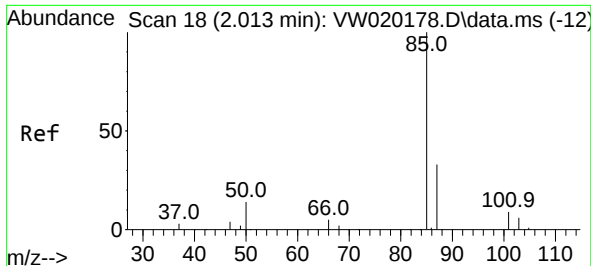
Quant Time: Sep 25 00:39:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Sep 25 00:37:21 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 152901   | 23.701 | ug/L  | 99       |
| 29) Cyclohexane               | 7.964  | 56   | 192977   | 25.385 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 204424   | 24.147 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.073  | 117  | 187204   | 24.304 | ug/L  | 99       |
| 33) Benzene                   | 8.329  | 78   | 520955   | 25.266 | ug/L  | 100      |
| 34) Trichloroethene           | 9.098  | 95   | 134331   | 24.337 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.341  | 83   | 219807   | 24.441 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 127120   | 24.891 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 169581   | 24.521 | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 188226   | 24.989 | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 113900   | 44.283 | ug/L  | 100      |
| 42) Toluene                   | 10.390 | 91   | 562869   | 25.695 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.609 | 75   | 166369   | 24.589 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 88609    | 23.663 | ug/L  | 96       |
| 46) Tetrachloroethene         | 10.866 | 164  | 100769   | 23.620 | ug/L  | 98       |
| 48) 2-Hexanone                | 10.969 | 43   | 83840    | 46.794 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.134 | 129  | 104031   | 23.775 | ug/L  | 89       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 77533    | 22.000 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.658 | 112  | 344014   | 24.146 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.731 | 91   | 620767   | 25.729 | ug/L  | 95       |
| 53) m,p-Xylene                | 11.841 | 106  | 237762   | 25.848 | ug/L  | 99       |
| 54) o-Xylene                  | 12.170 | 106  | 222896   | 26.196 | ug/L  | 99       |
| 55) Styrene                   | 12.182 | 104  | 389987   | 26.377 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 99343    | 22.211 | ug/L  | 97       |
| 59) Bromoform                 | 12.353 | 173  | 52662    | 21.840 | ug/L  | 96       |
| 60) Isopropylbenzene          | 12.463 | 105  | 611530   | 25.789 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 73157    | 21.907 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 508089   | 26.108 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 501550   | 26.235 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 263969   | 24.273 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 267863   | 23.834 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 233042   | 23.529 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 14911    | 19.891 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 177132   | 23.549 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 134613   | 23.189 | ug/L  | 96       |
| 71) Naphthalene               | 15.365 | 128  | 233216   | 22.779 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 124544   | 23.827 | ug/L  | 99       |

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

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Response via : Initial Calibration

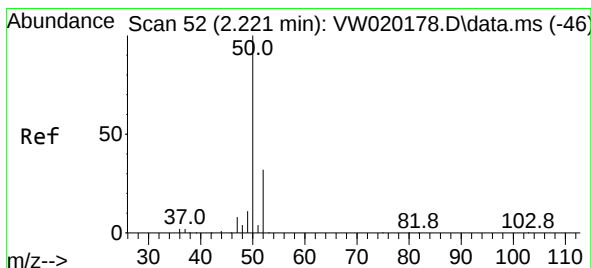
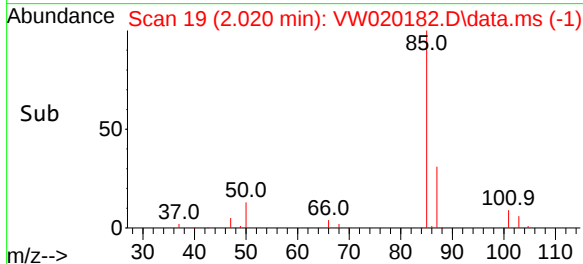
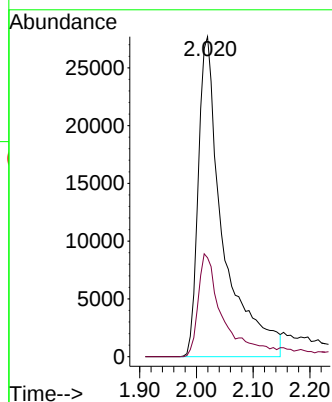
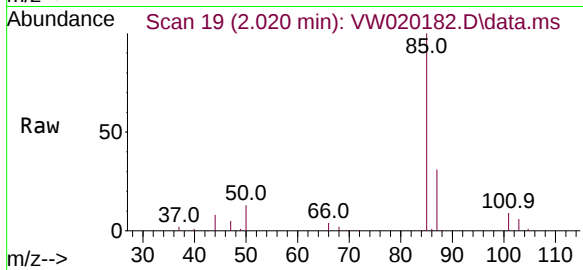




#2  
Dichlorodifluoromethane  
Concen: 26.378 ug/L  
RT: 2.020 min Scan# 19  
Delta R.T. 0.006 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

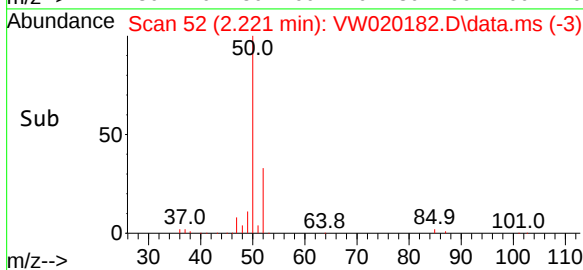
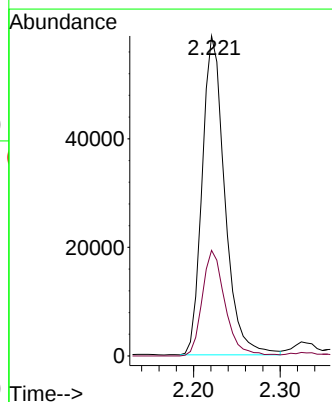
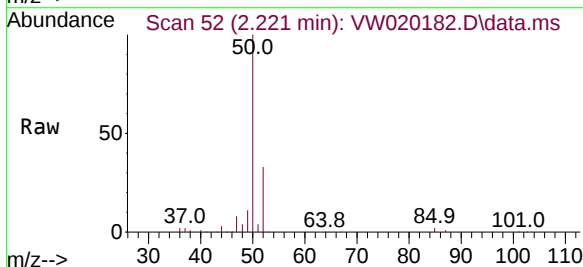
Instrument :  
MSVOA\_W  
ClientSampled :

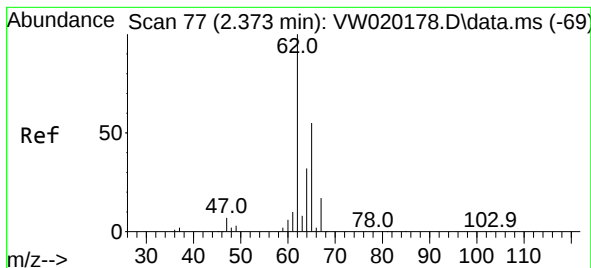
Tgt Ion: 85 Resp: 84052  
Ion Ratio Lower Upper  
85 100  
87 26.6 26.3 39.5



#3  
Chloromethane  
Concen: 24.204 ug/L  
RT: 2.221 min Scan# 52  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion: 50 Resp: 106647  
Ion Ratio Lower Upper  
50 100  
52 33.0 22.5 41.9





#5

Vinyl chloride

Concen: 24.349 ug/L

RT: 2.373 min Scan# 77

Delta R.T. 0.000 min

Lab File: VW020182.D

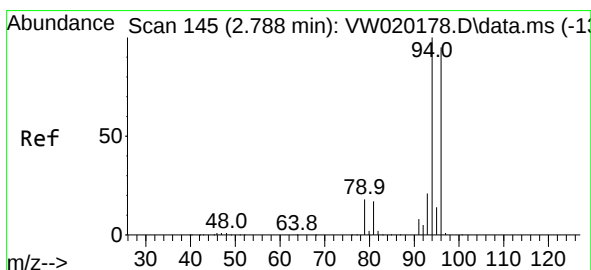
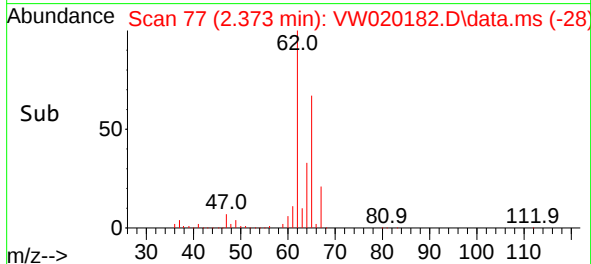
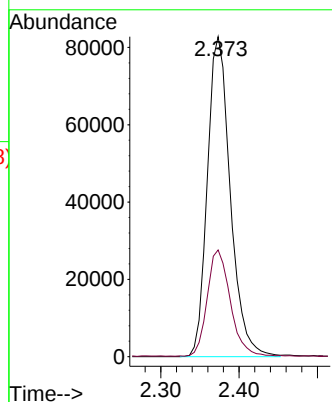
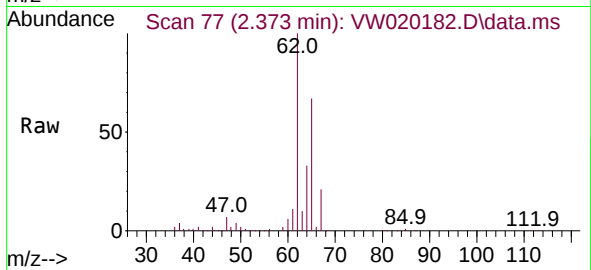
Acq: 24 Sep 2021 11:10

Tgt Ion: 62 Resp: 168467

Ion Ratio Lower Upper

62 100

64 33.4 24.5 45.5



#6

Bromomethane

Concen: 22.868 ug/L

RT: 2.794 min Scan# 146

Delta R.T. 0.006 min

Lab File: VW020182.D

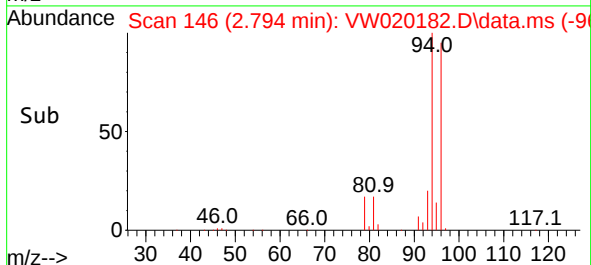
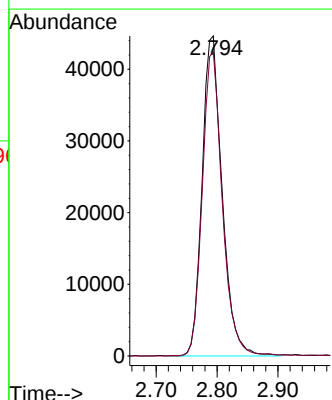
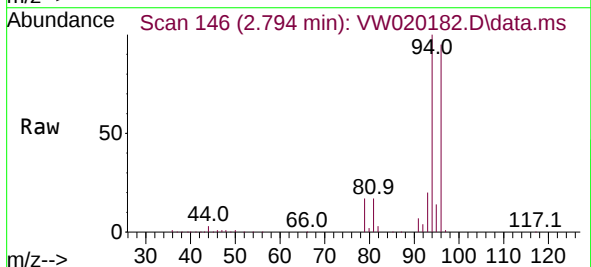
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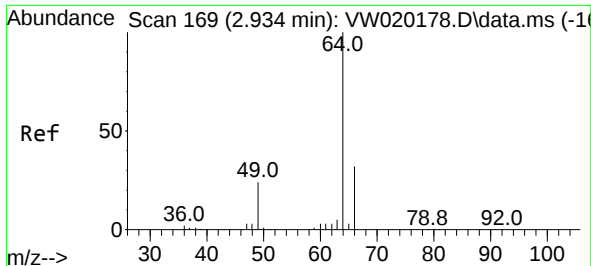
Tgt Ion: 94 Resp: 102284

Ion Ratio Lower Upper

94 100

96 95.0 64.8 120.3

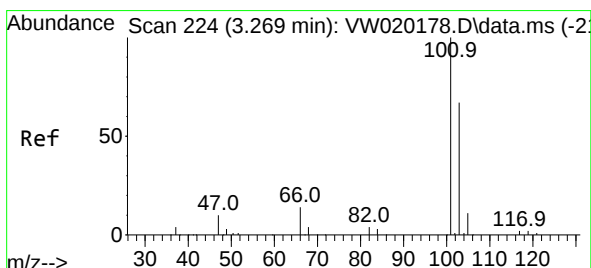
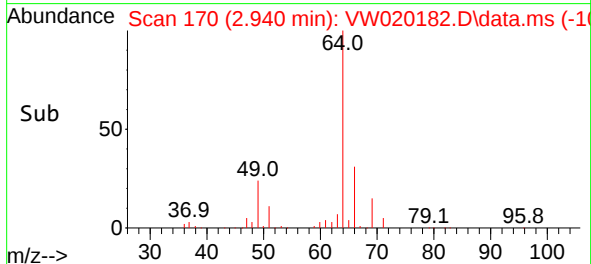
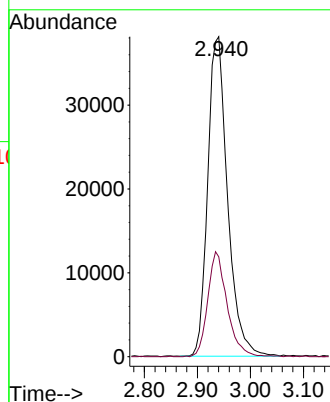
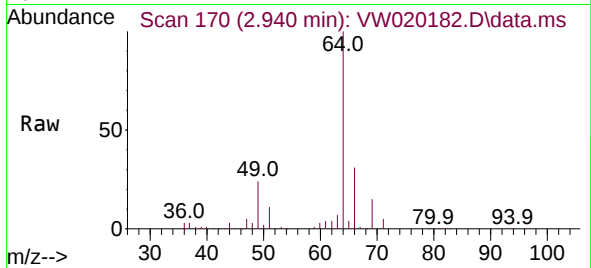




#8  
Chloroethane  
Concen: 23.669 ug/L  
RT: 2.940 min Scan# 170  
Delta R.T. 0.006 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

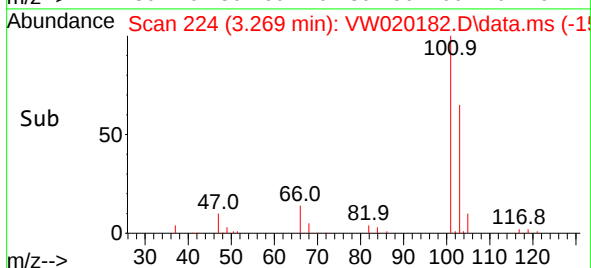
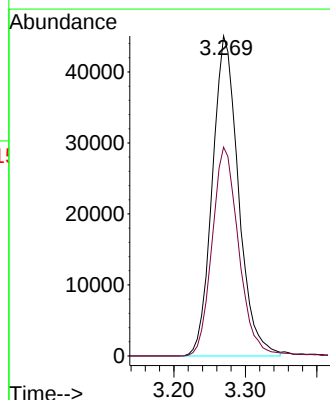
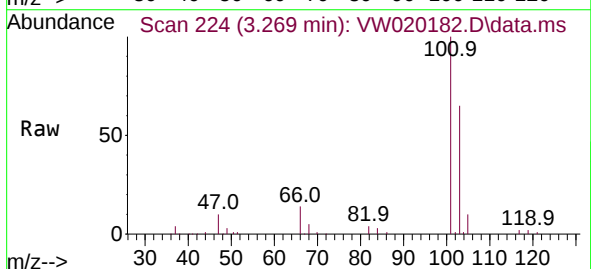
Instrument :  
MSVOA\_W  
ClientSampled :

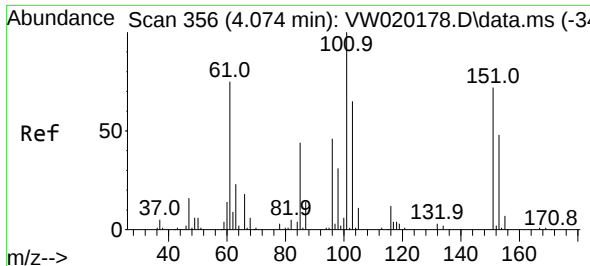
Tgt Ion: 64 Resp: 99028  
Ion Ratio Lower Upper  
64 100  
66 31.2 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 23.494 ug/L  
RT: 3.269 min Scan# 224  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion: 101 Resp: 114362  
Ion Ratio Lower Upper  
101 100  
103 66.9 51.3 76.9

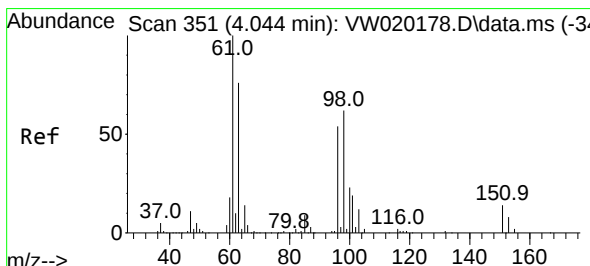
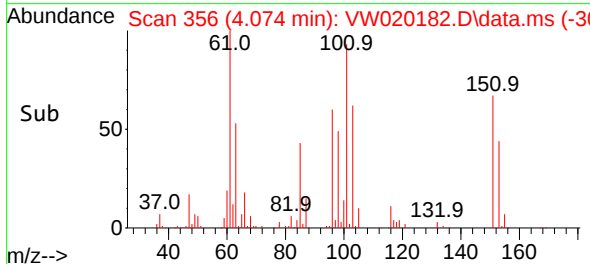
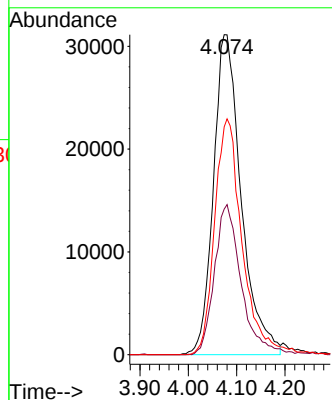
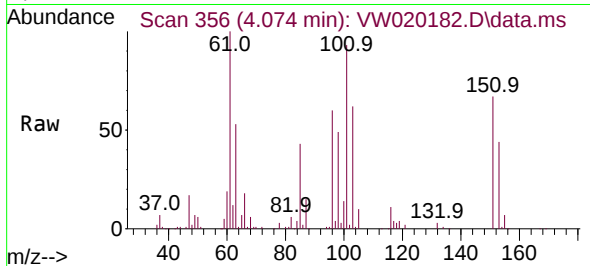




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 23.328 ug/L  
 RT: 4.074 min Scan# 356  
 Delta R.T. 0.000 min  
 Lab File: VW020182.D  
 Acq: 24 Sep 2021 11:10

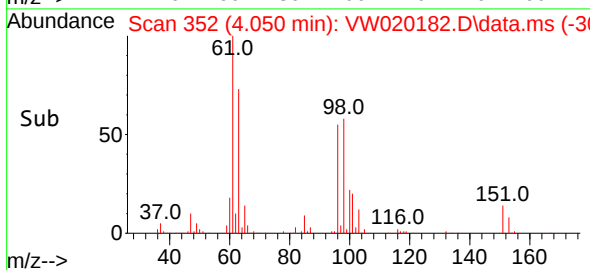
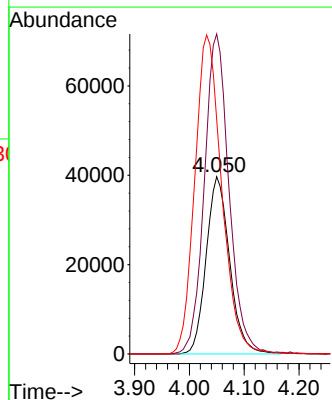
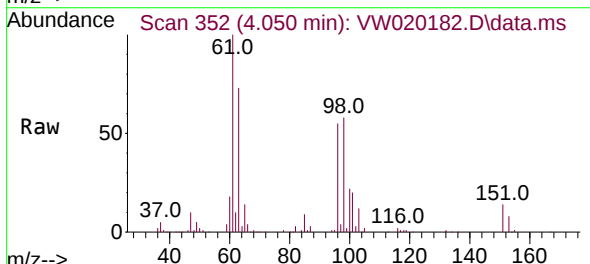
Instrument :  
 MSVOA\_W  
 ClientSampled :

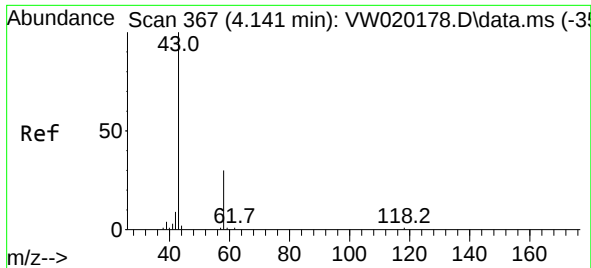
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 Ion Ratio Lower Upper  
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 85 44.6 35.4 53.0  
 151 72.5 59.0 88.6



#12  
 1,1-Dichloroethene  
 Concen: 24.483 ug/L  
 RT: 4.050 min Scan# 352  
 Delta R.T. 0.006 min  
 Lab File: VW020182.D  
 Acq: 24 Sep 2021 11:10

Tgt Ion: 96 Resp: 118121  
 Ion Ratio Lower Upper  
 96 100  
 61 180.5 126.1 234.3  
 63 132.2 112.6 209.0

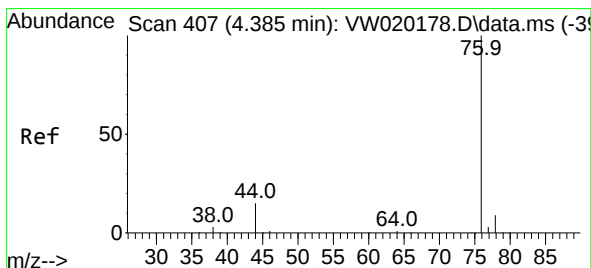
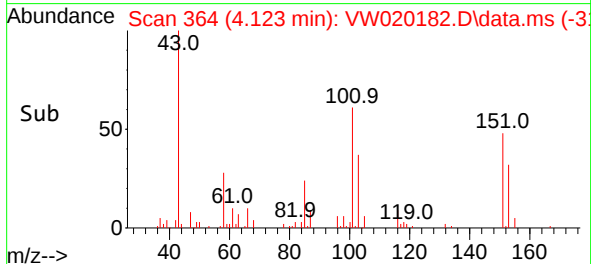
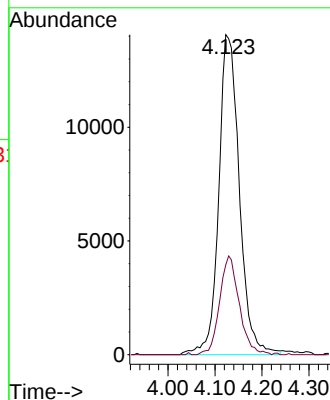
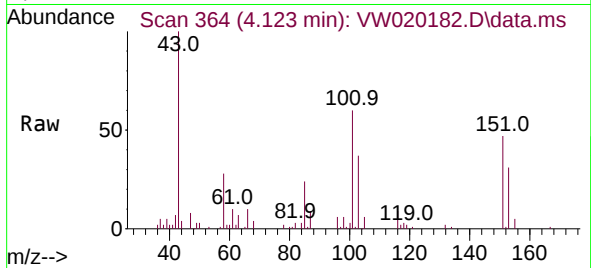




#13  
Acetone  
Concen: 43.638 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. -0.018 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

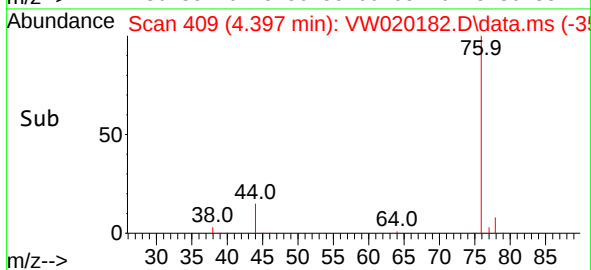
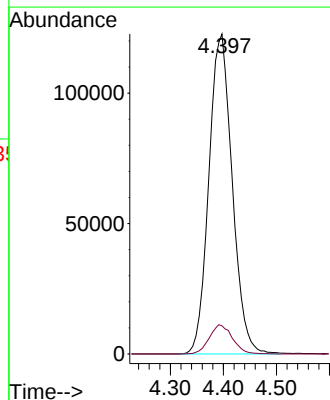
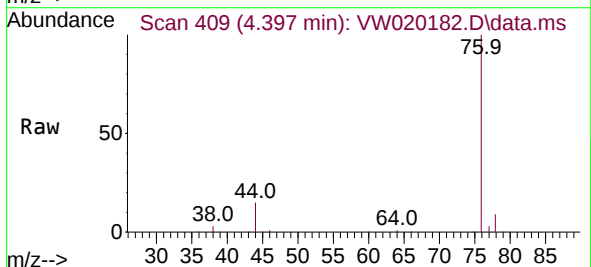
Instrument :  
MSVOA\_W  
ClientSampled :

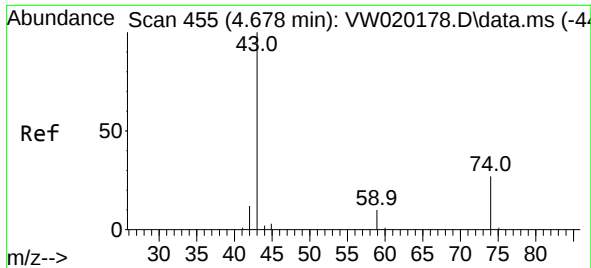
Tgt Ion: 43 Resp: 42924  
Ion Ratio Lower Upper  
43 100  
58 27.3 0.0 61.6



#14  
Carbon disulfide  
Concen: 24.739 ug/L  
RT: 4.397 min Scan# 409  
Delta R.T. 0.012 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion: 76 Resp: 375354  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.5 11.3

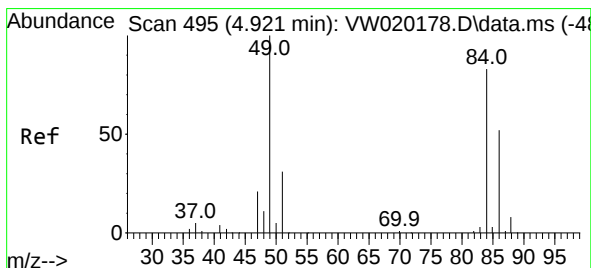
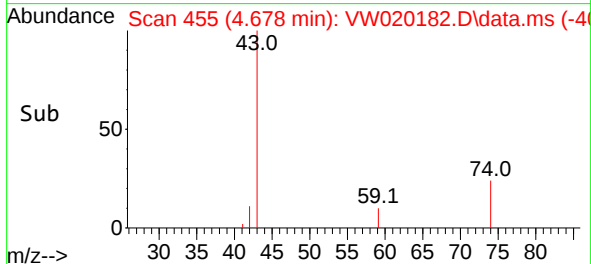
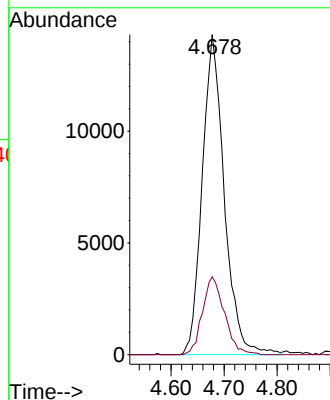
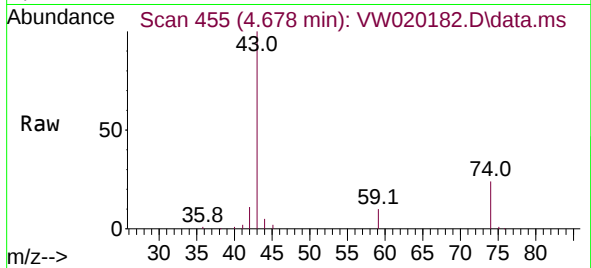




#15  
Methyl Acetate  
Concen: 22.001 ug/L  
RT: 4.678 min Scan# 455  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

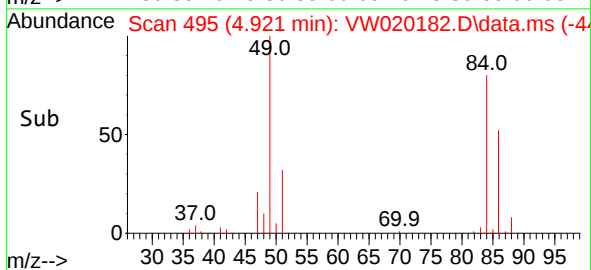
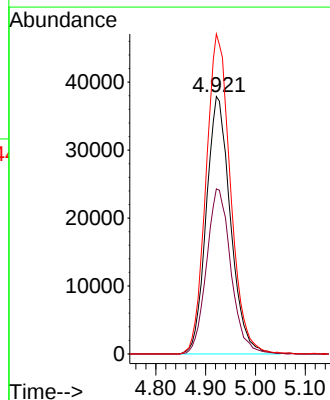
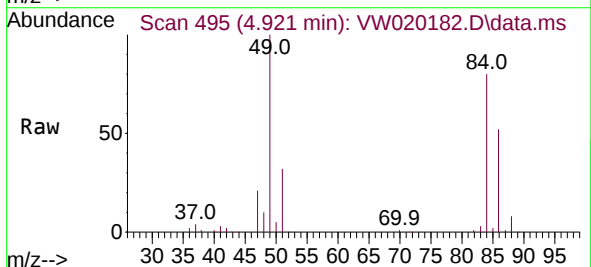
Instrument :  
MSVOA\_W  
ClientSampled :

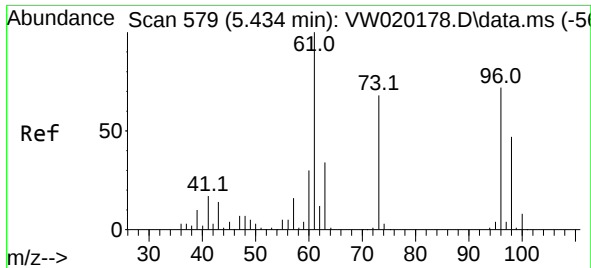
Tgt Ion: 43 Resp: 41384  
Ion Ratio Lower Upper  
43 100  
74 24.3 20.0 30.0



#16  
Methylene chloride  
Concen: 19.895 ug/L  
RT: 4.921 min Scan# 495  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion: 84 Resp: 127714  
Ion Ratio Lower Upper  
84 100  
86 64.1 42.6 79.0  
49 124.3 83.4 154.8

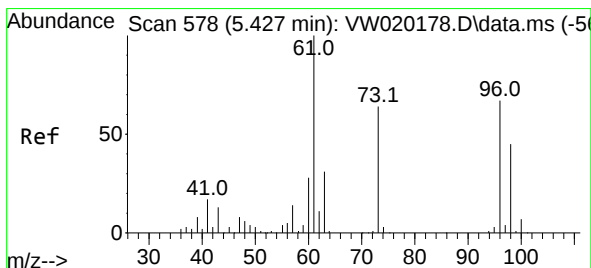
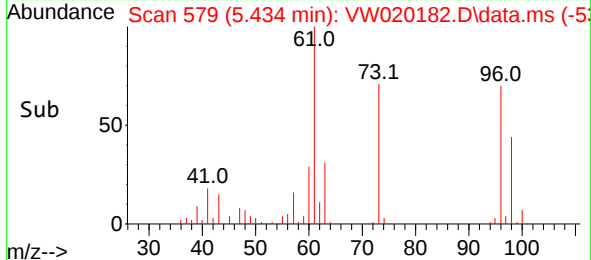
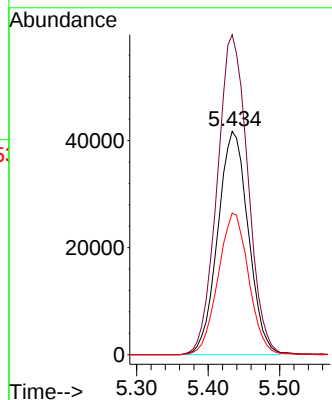
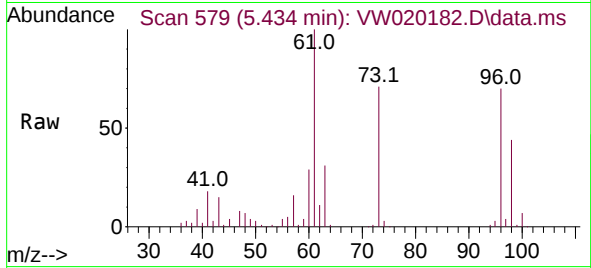




#17  
trans-1,2-Dichloroethene  
Concen: 24.366 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

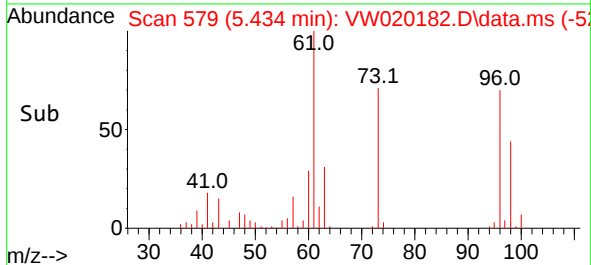
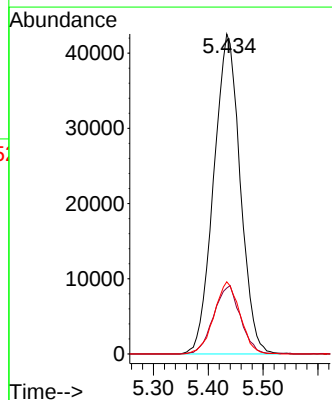
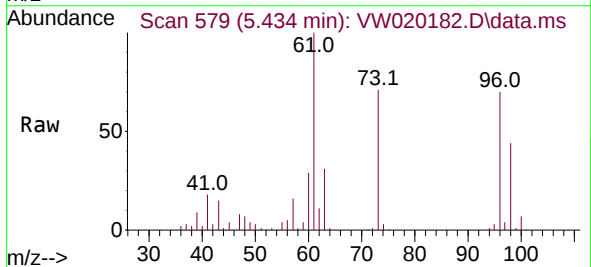
Instrument :  
MSVOA\_W  
ClientSampled :

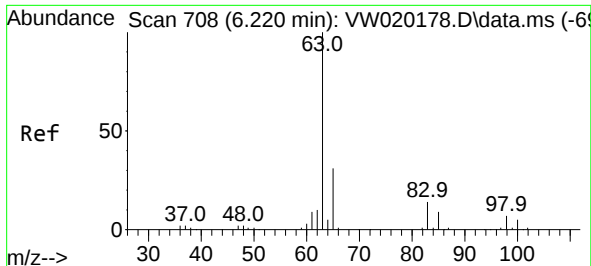
Tgt Ion: 96 Resp: 123842  
Ion Ratio Lower Upper  
96 100  
61 143.3 98.3 182.5  
98 63.4 46.6 86.6



#18  
Methyl tert-butyl Ether  
Concen: 23.667 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.006 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion: 73 Resp: 142798  
Ion Ratio Lower Upper  
73 100  
43 21.6 17.4 26.0  
57 22.0 17.4 26.0





#19

1,1-Dichloroethane

Concen: 24.675 ug/L

RT: 6.226 min Scan# 709

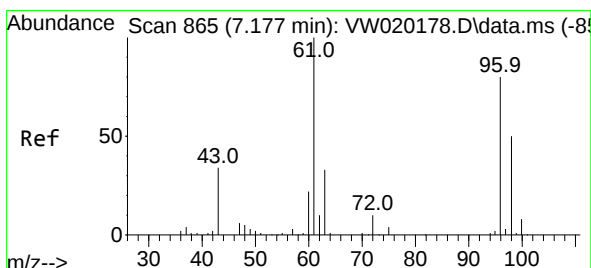
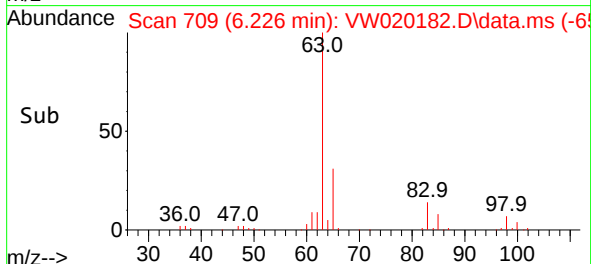
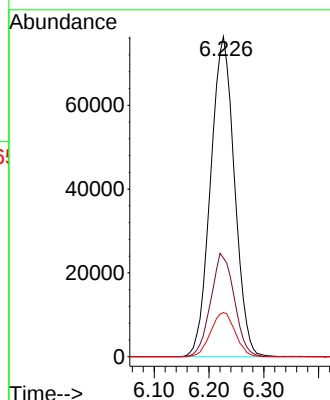
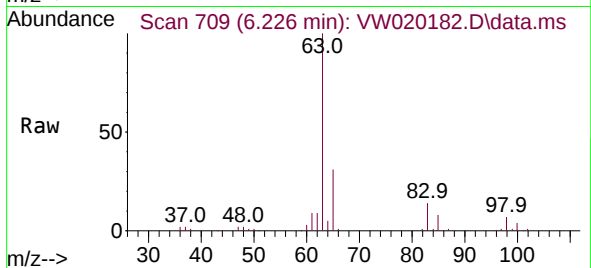
Delta R.T. 0.006 min

Lab File: VW020182.D

Acq: 24 Sep 2021 11:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 231319 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 30.9  | 23.1  | 42.9   |
| 83       | 13.8  | 9.4   | 17.6   |

Instrument :  
MSVOA\_W  
ClientSampleId :



#20

cis-1,2-Dichloroethene

Concen: 24.464 ug/L

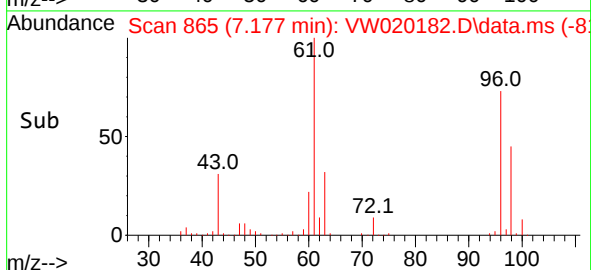
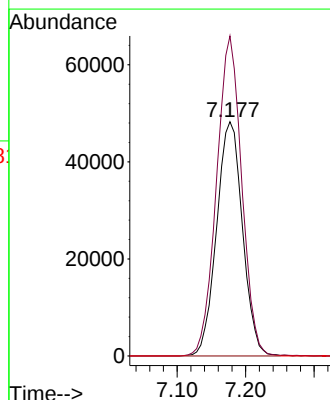
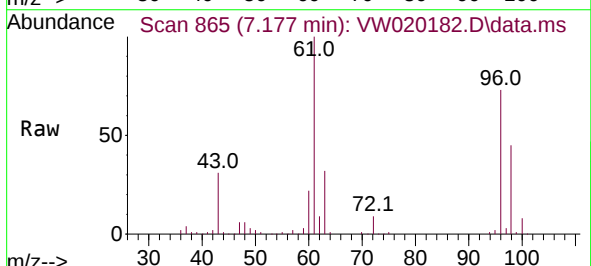
RT: 7.177 min Scan# 865

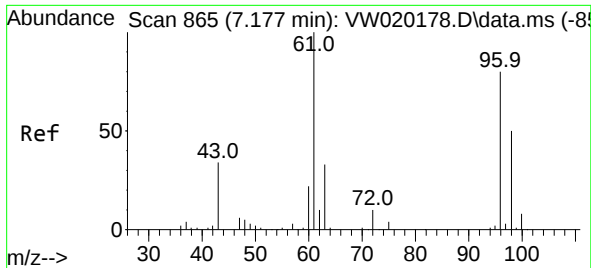
Delta R.T. 0.000 min

Lab File: VW020182.D

Acq: 24 Sep 2021 11:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 126454 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 136.6 | 89.9  | 167.0  |
| 68       | 0.0   | 0.0   | 0.0    |

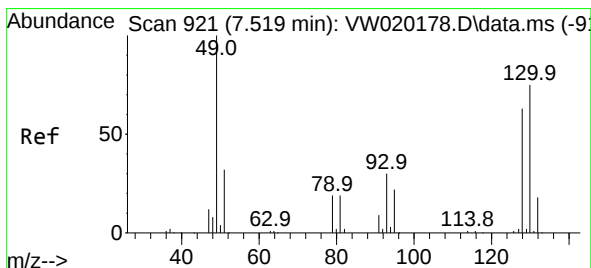
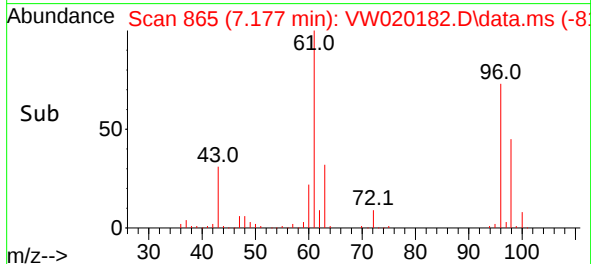
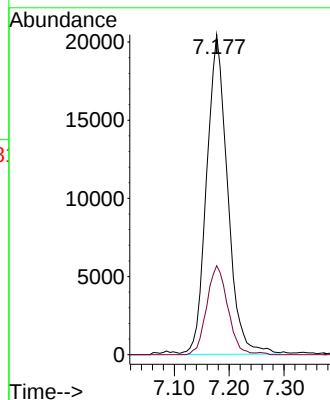
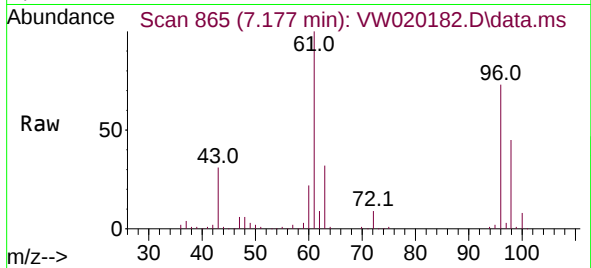




#22  
2-Butanone  
Concen: 42.545 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

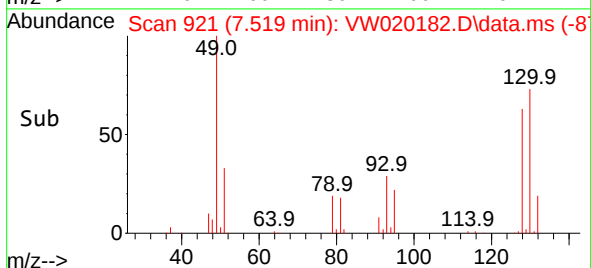
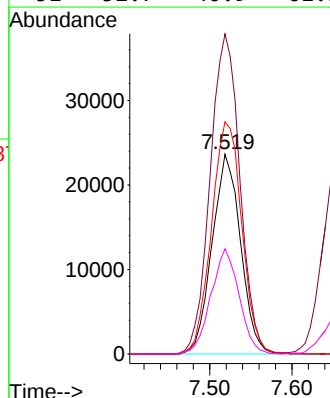
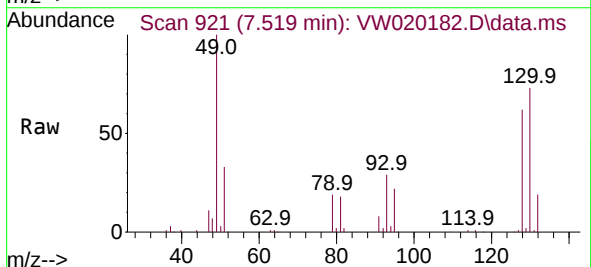
Instrument :  
MSVOA\_W  
ClientSampled :

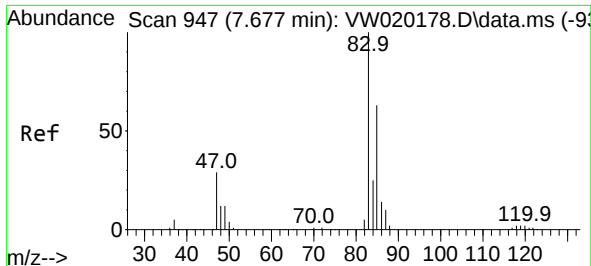
Tgt Ion: 43 Resp: 54292  
Ion Ratio Lower Upper  
43 100  
72 27.8 14.1 42.2



#23  
Bromochloromethane  
Concen: 24.290 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion: 128 Resp: 56915  
Ion Ratio Lower Upper  
128 100  
49 160.3 114.7 213.1  
130 116.3 94.2 175.0  
51 52.7 40.9 61.3

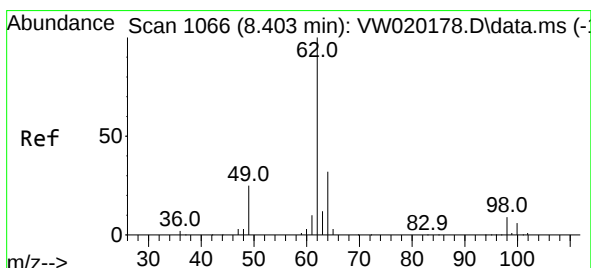
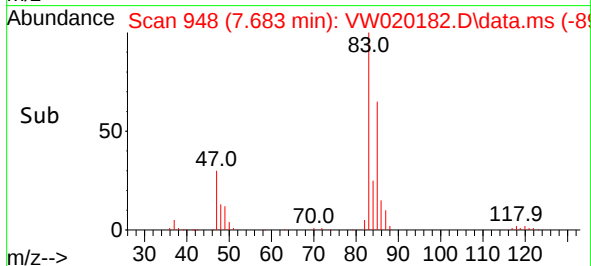
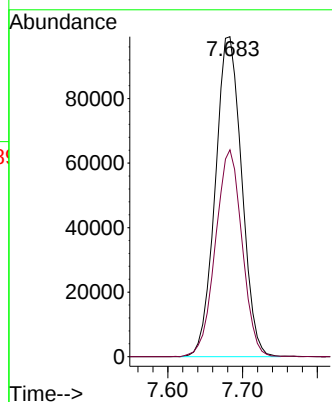
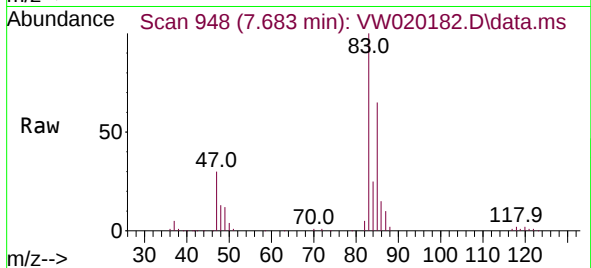




#25  
Chloroform  
Concen: 24.927 ug/L  
RT: 7.683 min Scan# 948  
Delta R.T. 0.006 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

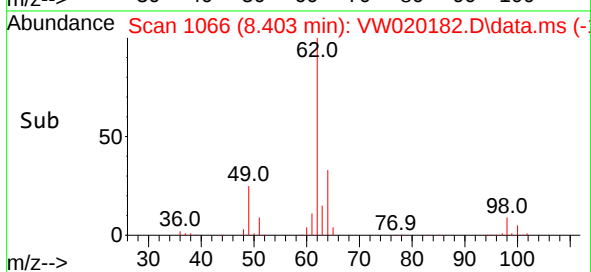
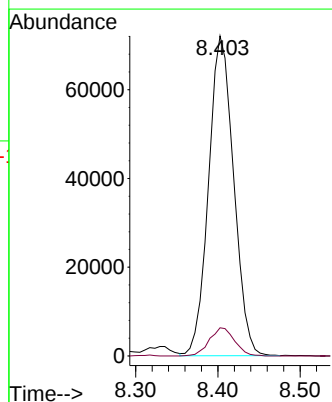
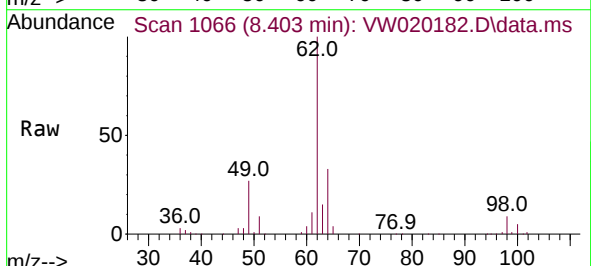
Instrument :  
MSVOA\_W  
ClientSampleId :

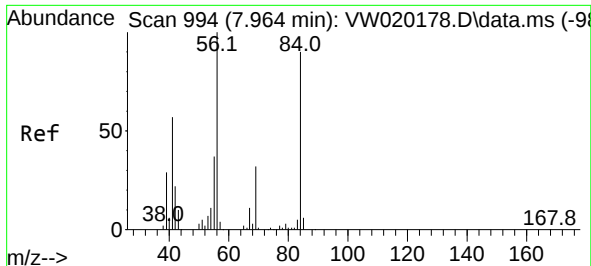
Tgt Ion: 83 Resp: 244362  
Ion Ratio Lower Upper  
83 100  
85 64.7 45.6 84.8



#27  
1,2-Dichloroethane  
Concen: 23.701 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

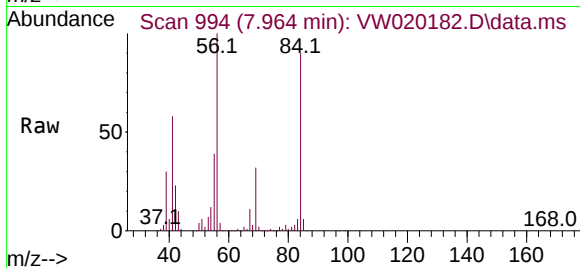
Tgt Ion: 62 Resp: 152901  
Ion Ratio Lower Upper  
62 100  
98 8.8 6.9 10.3



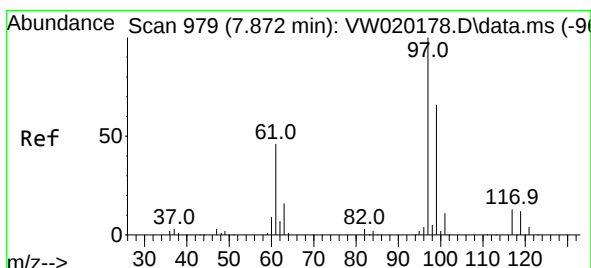
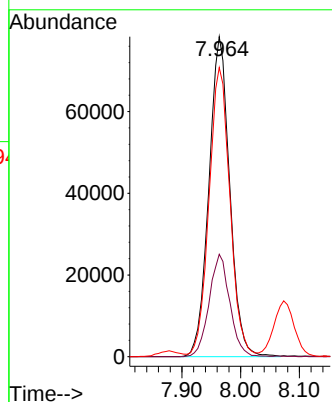
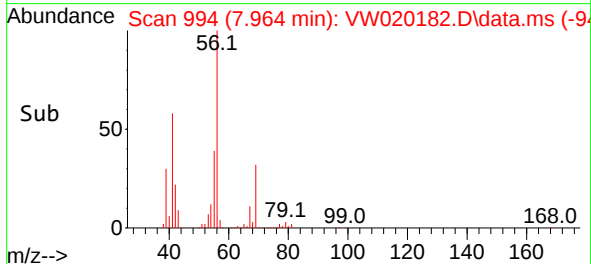


#29  
Cyclohexane  
Concen: 25.385 ug/L  
RT: 7.964 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

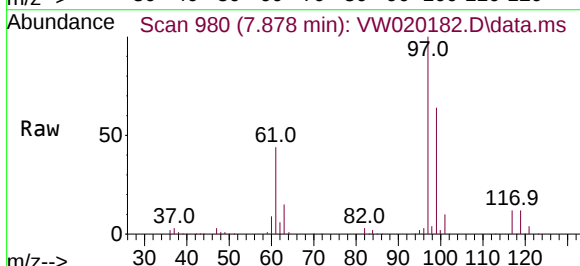
Instrument :  
MSVOA\_W  
ClientSampled :



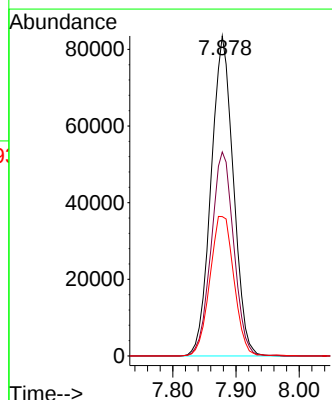
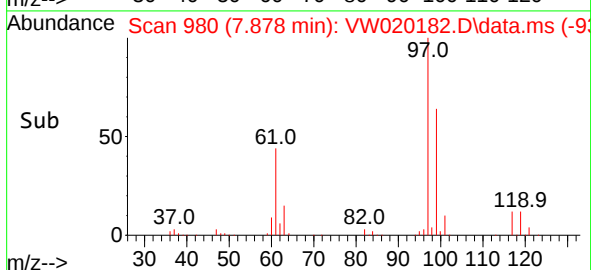
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 56    | Resp: | 192977 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 31.7  | 25.7  | 38.5   |
| 84        | 90.7  | 73.4  | 110.2  |

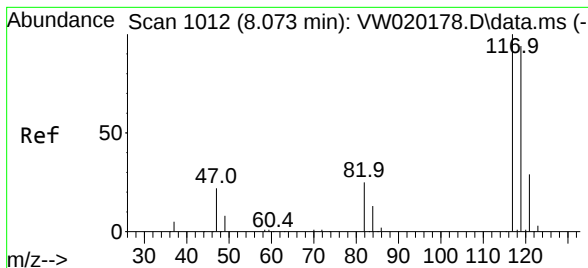


#30  
1,1,1-Trichloroethane  
Concen: 24.147 ug/L  
RT: 7.878 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 204424 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.6  | 51.4  | 77.0   |
| 61        | 47.0  | 37.5  | 56.3   |

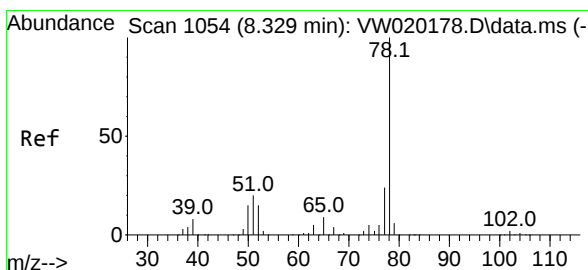
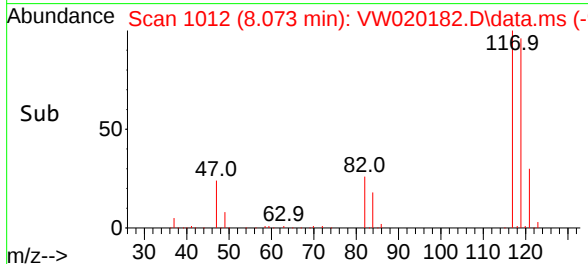
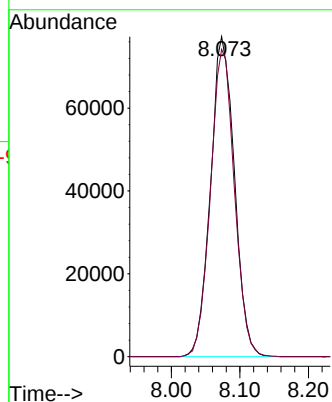
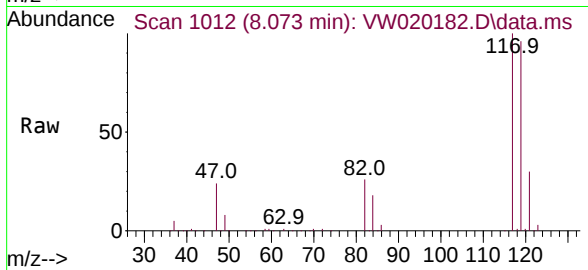




#31  
Carbon tetrachloride  
Concen: 24.304 ug/L  
RT: 8.073 min Scan# 1012  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

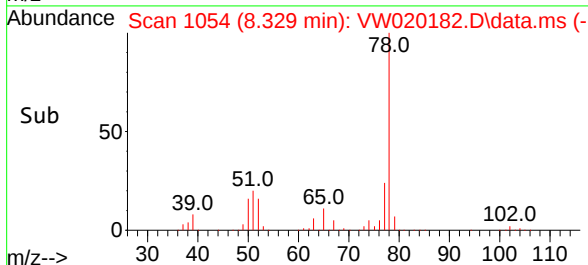
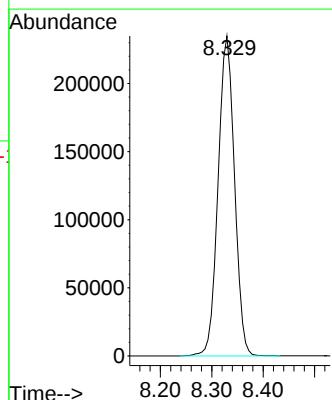
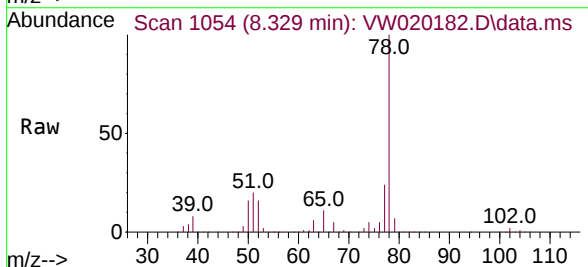
Instrument :  
MSVOA\_W  
ClientSampled :

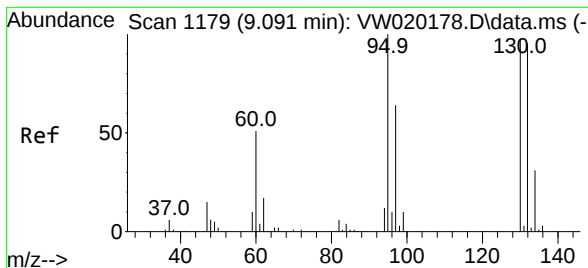
Tgt Ion:117 Resp: 187204  
Ion Ratio Lower Upper  
117 100  
119 96.3 76.4 114.6



#33  
Benzene  
Concen: 25.266 ug/L  
RT: 8.329 min Scan# 1054  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion: 78 Resp: 520955



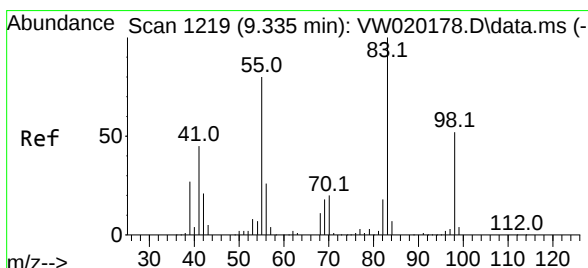
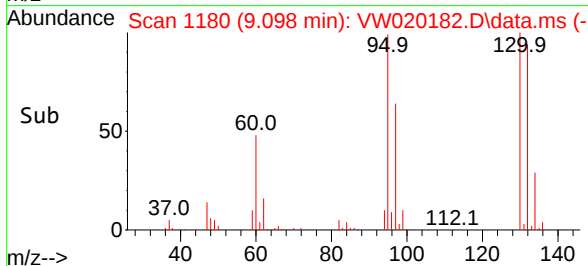
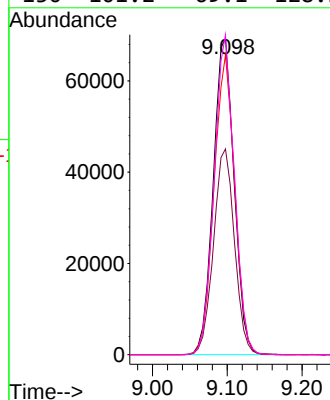
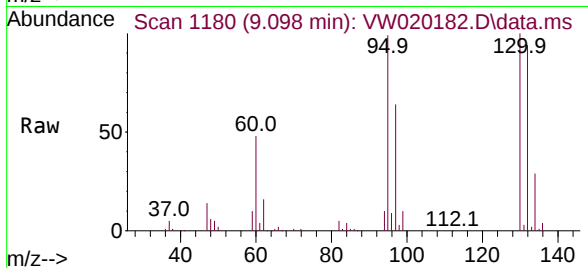


#34  
Trichloroethene  
Concen: 24.337 ug/L  
RT: 9.098 min Scan# 1180  
Delta R.T. 0.006 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Instrument :  
MSVOA\_W  
ClientSampled :

Tgt Ion: 95 Resp: 134331

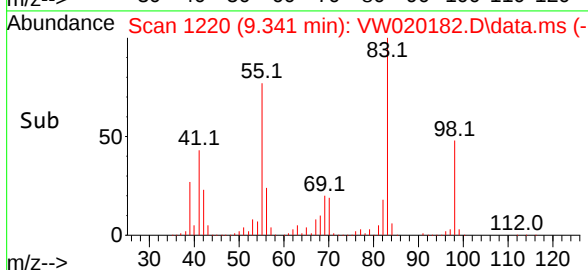
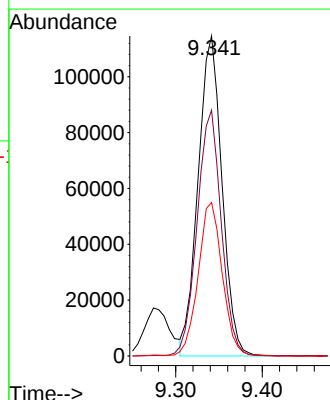
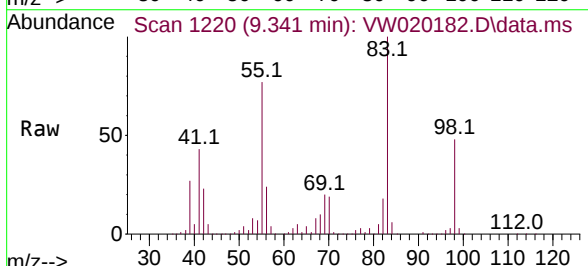
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.1  | 45.1  | 83.7  |
| 132 | 94.9  | 67.9  | 126.1 |
| 130 | 101.2 | 69.1  | 128.3 |

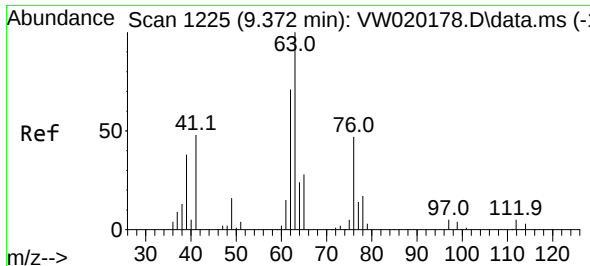


#35  
Methylcyclohexane  
Concen: 24.441 ug/L  
RT: 9.341 min Scan# 1220  
Delta R.T. 0.006 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion: 83 Resp: 219807

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 77.6  | 61.4  | 92.2  |
| 98  | 48.4  | 38.1  | 57.1  |

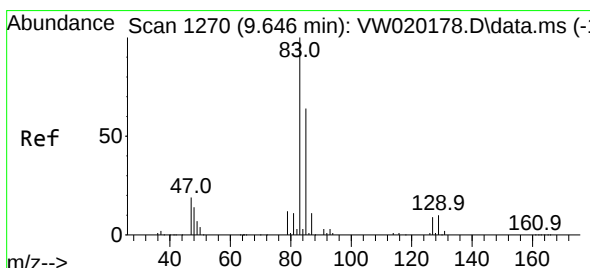
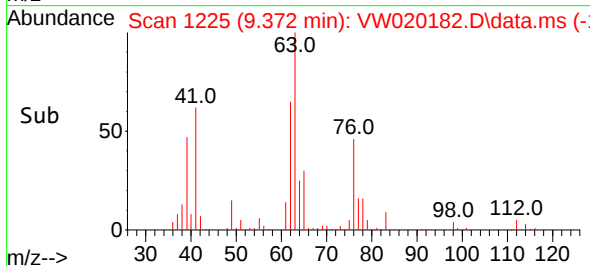
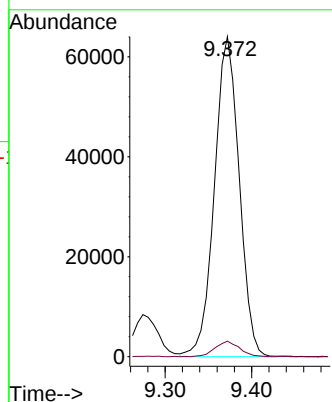
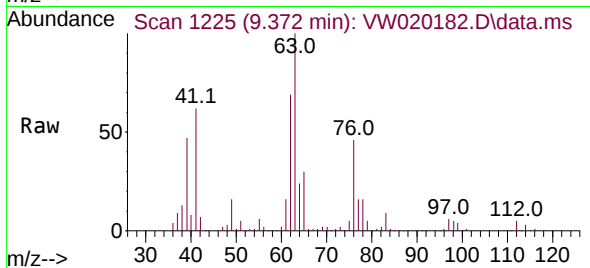




#37  
1,2-Dichloropropane  
Concen: 24.891 ug/L  
RT: 9.372 min Scan# 1225  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

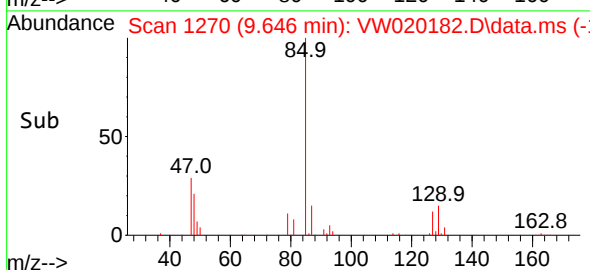
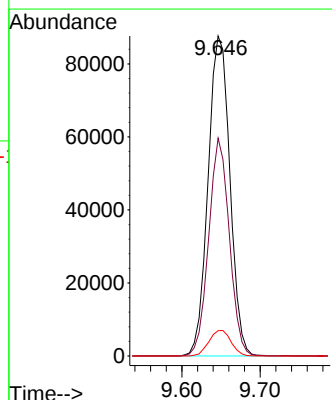
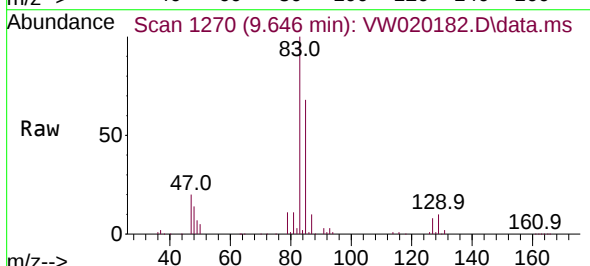
Instrument :  
MSVOA\_W  
ClientSampleId :

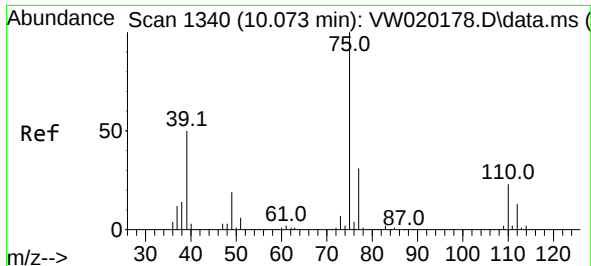
Tgt Ion: 63 Resp: 127120  
Ion Ratio Lower Upper  
63 100  
112 4.8 3.6 5.4



#38  
Bromodichloromethane  
Concen: 24.521 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion: 83 Resp: 169581  
Ion Ratio Lower Upper  
83 100  
85 68.1 44.4 82.5  
127 7.9 6.5 9.7

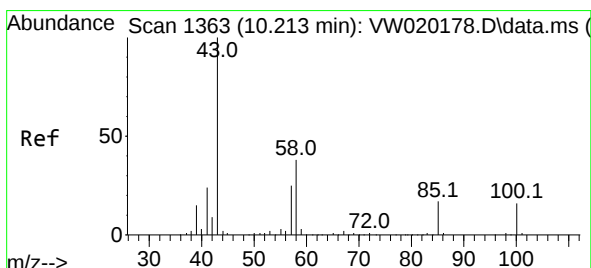
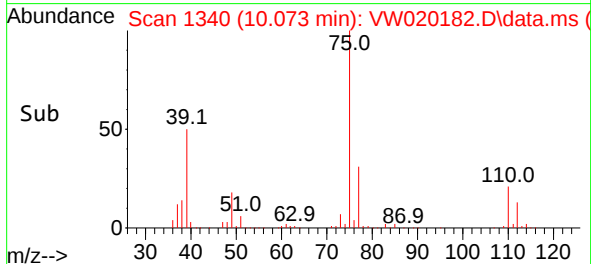
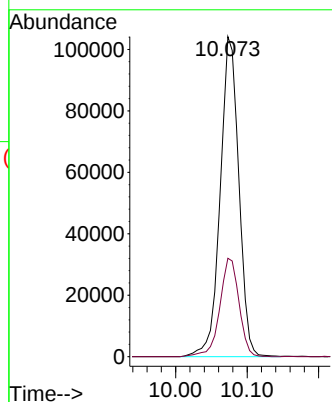
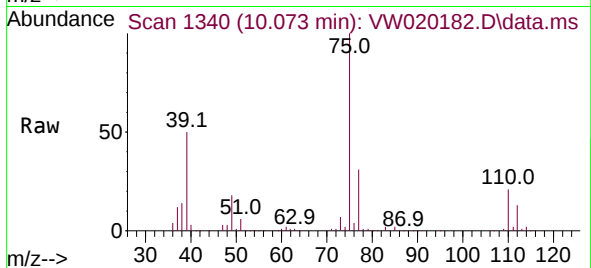




#39  
cis-1,3-Dichloropropene  
Concen: 24.989 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

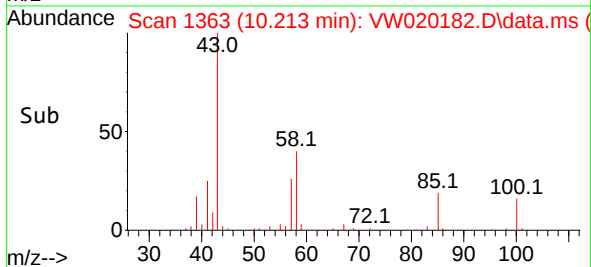
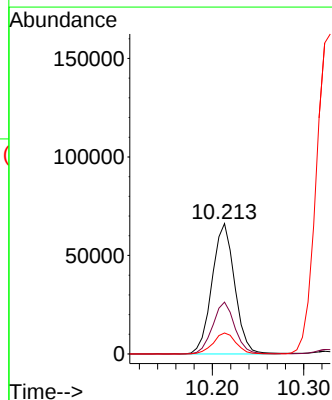
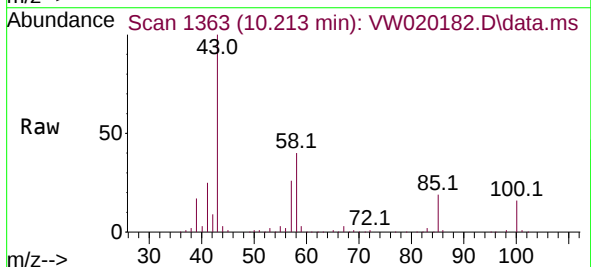
Instrument :  
MSVOA\_W  
ClientSampled :

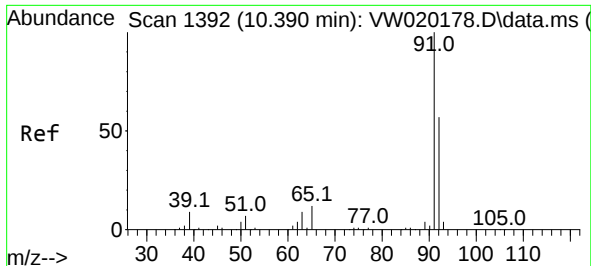
Tgt Ion: 75 Resp: 188226  
Ion Ratio Lower Upper  
75 100  
77 30.7 23.0 42.6



#40  
4-Methyl-2-pentanone  
Concen: 44.283 ug/L  
RT: 10.213 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion: 43 Resp: 113900  
Ion Ratio Lower Upper  
43 100  
58 38.9 31.3 46.9  
100 16.2 13.3 19.9

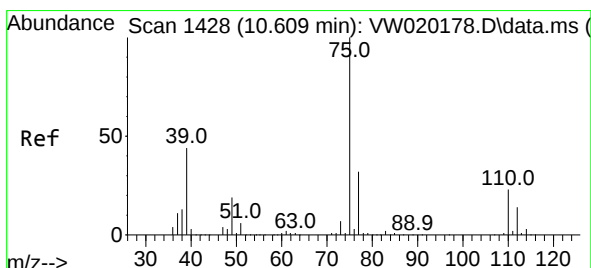
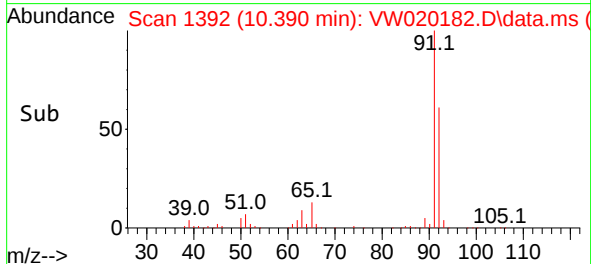
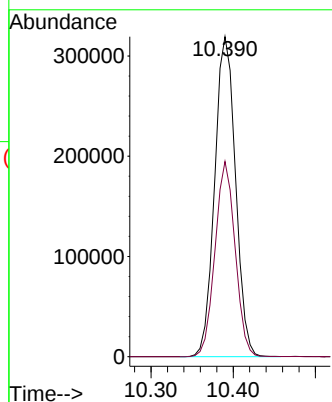
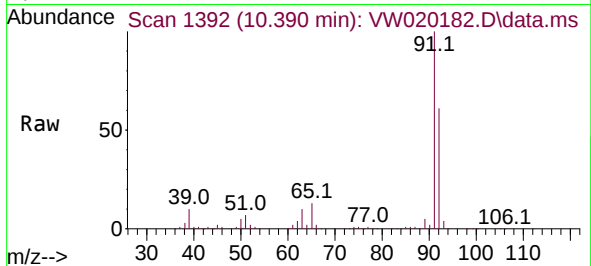




#42  
Toluene  
Concen: 25.695 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

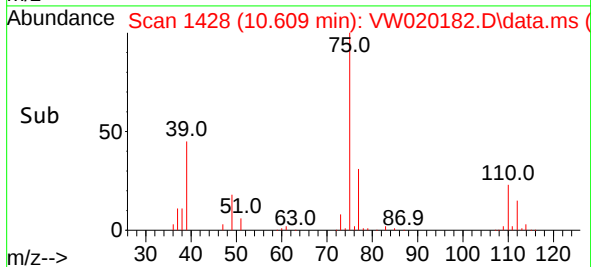
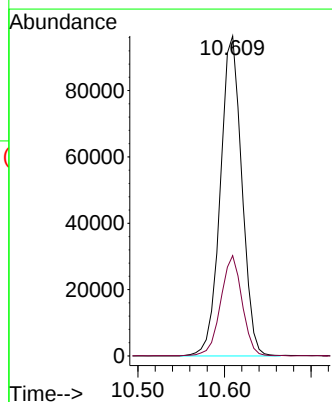
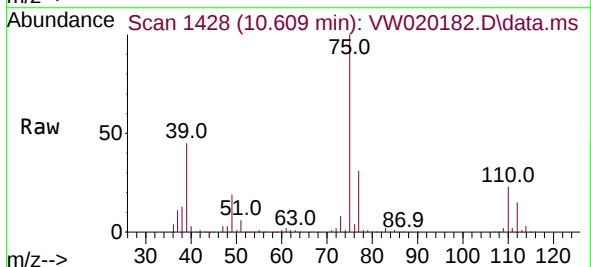
Instrument :  
MSVOA\_W  
ClientSampled :

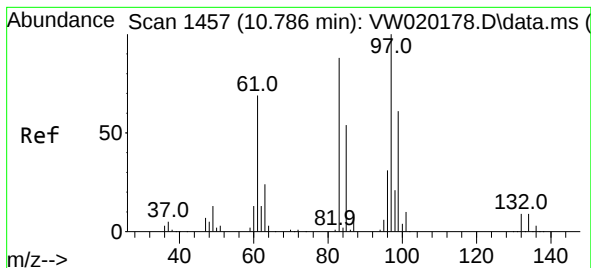
Tgt Ion: 91 Resp: 562869  
Ion Ratio Lower Upper  
91 100  
92 61.0 42.2 78.4



#44  
trans-1,3-Dichloropropene  
Concen: 24.589 ug/L  
RT: 10.609 min Scan# 1428  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion: 75 Resp: 166369  
Ion Ratio Lower Upper  
75 100  
77 31.3 22.0 40.8

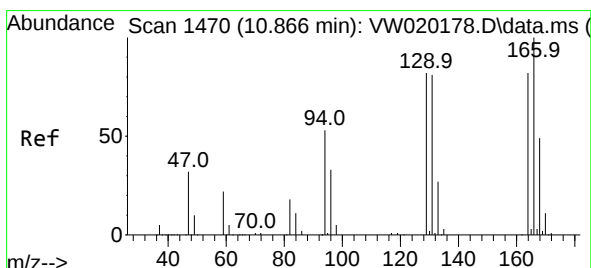
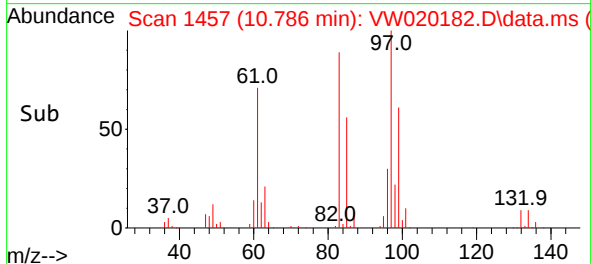
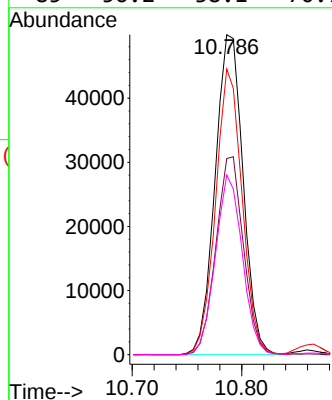
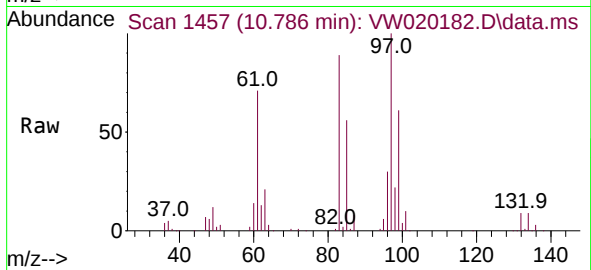




#45  
1,1,2-Trichloroethane  
Concen: 23.663 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

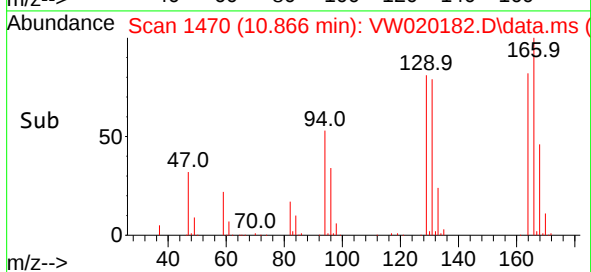
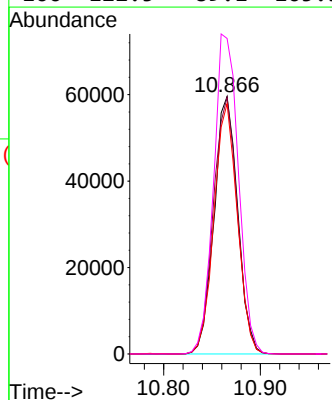
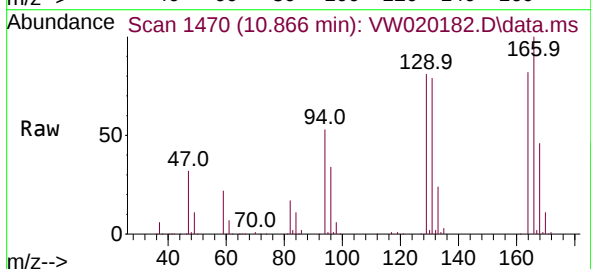
Instrument :  
MSVOA\_W  
ClientSampled :

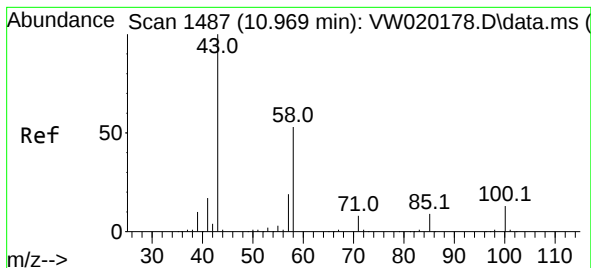
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 88609 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 61.3  | 42.0  | 78.0  |
| 83       | 89.3  | 58.7  | 108.9 |
| 85       | 56.2  | 38.1  | 70.7  |



#46  
Tetrachloroethene  
Concen: 23.620 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 100769 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 99.7  | 69.5  | 129.1  |
| 131      | 97.2  | 66.5  | 123.5  |
| 166      | 122.5 | 89.1  | 165.5  |

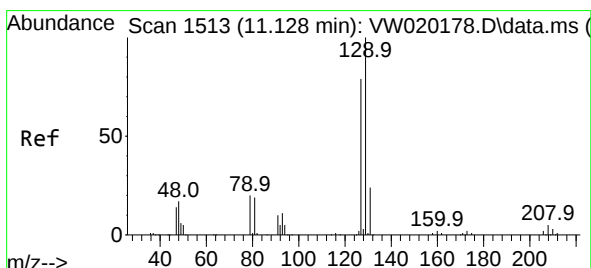
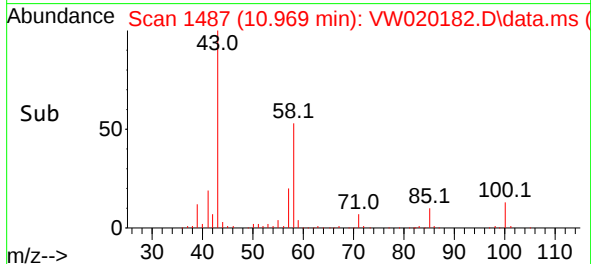
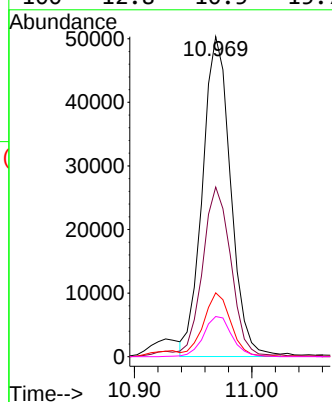
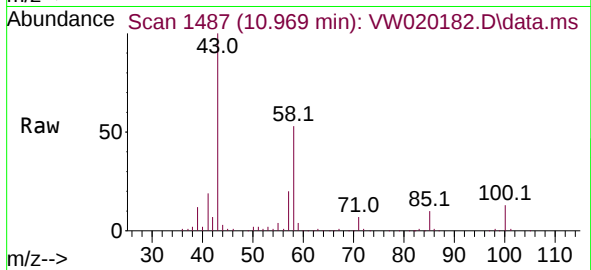




#48  
2-Hexanone  
Concen: 46.794 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

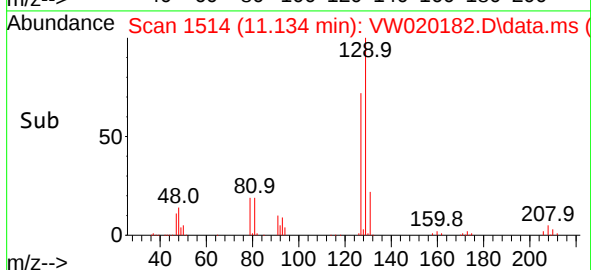
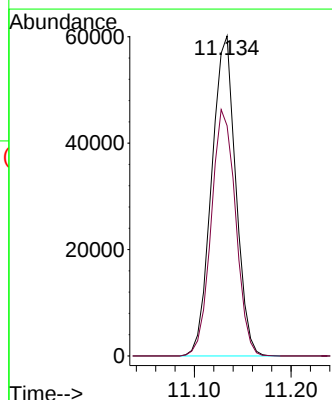
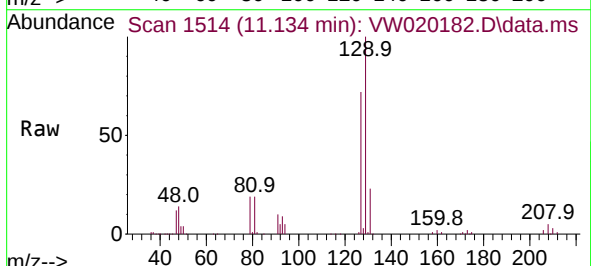
Instrument :  
MSVOA\_W  
ClientSampled :

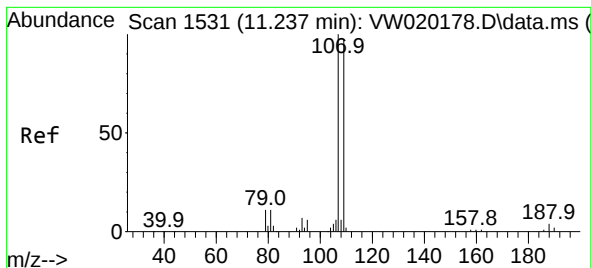
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 83840 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 52.5  | 43.8  | 65.6  |
| 57        | 19.4  | 15.6  | 23.4  |
| 100       | 12.8  | 10.5  | 15.7  |



#49  
Dibromochloromethane  
Concen: 23.775 ug/L  
RT: 11.134 min Scan# 1514  
Delta R.T. 0.006 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 129   | Resp: | 104031 |
| Ion Ratio | Lower | Upper |        |
| 129       | 100   |       |        |
| 127       | 71.9  | 57.0  | 105.8  |

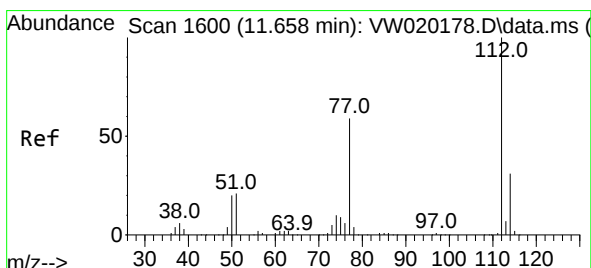
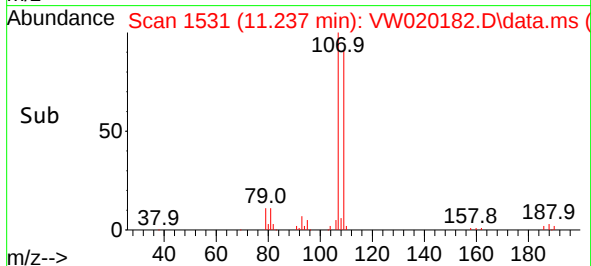
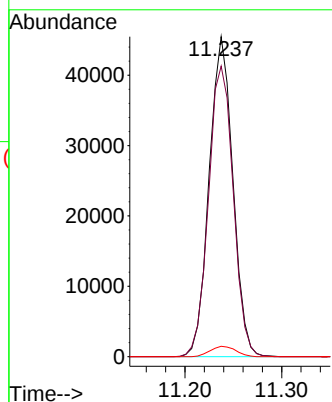
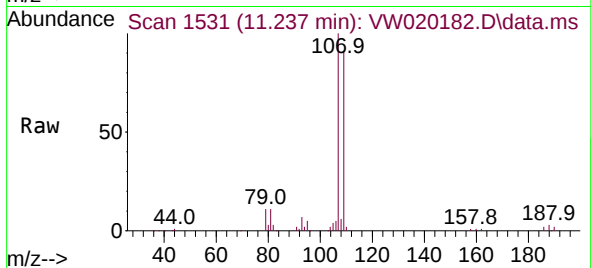




#50  
1,2-Dibromoethane  
Concen: 22.000 ug/L  
RT: 11.237 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

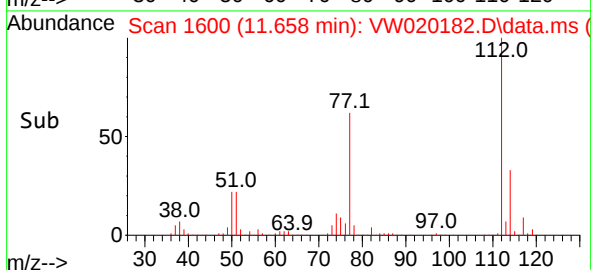
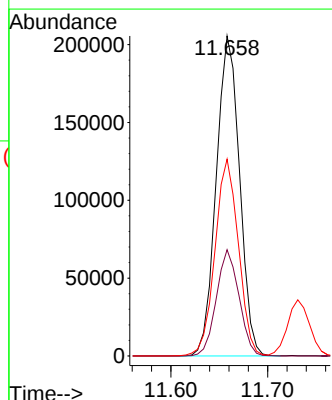
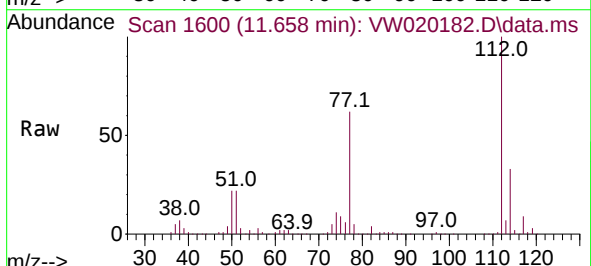
Instrument :  
MSVOA\_W  
ClientSampled :

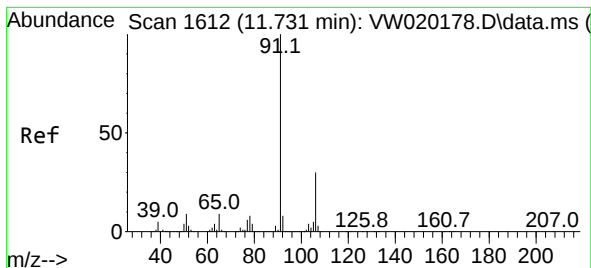
Tgt Ion:107 Resp: 77533  
Ion Ratio Lower Upper  
107 100  
109 90.8 64.1 119.1  
188 3.2 3.0 4.4



#51  
Chlorobenzene  
Concen: 24.146 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion:112 Resp: 344014  
Ion Ratio Lower Upper  
112 100  
114 33.2 21.9 40.7  
77 61.5 48.0 72.0

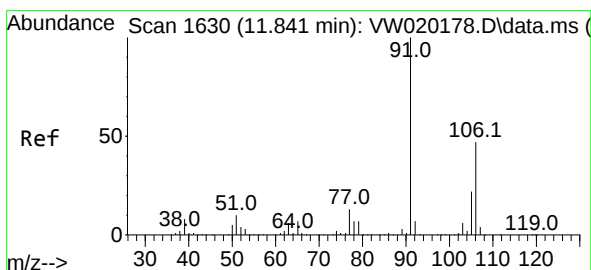
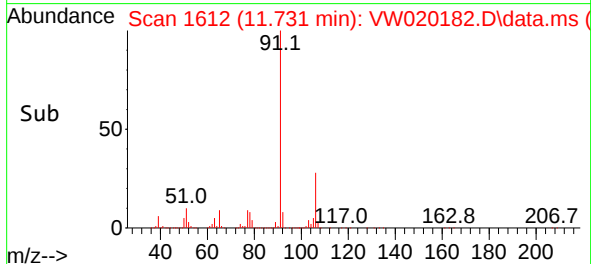
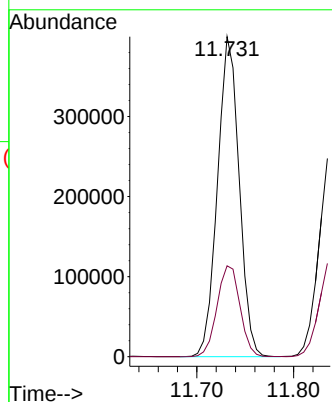
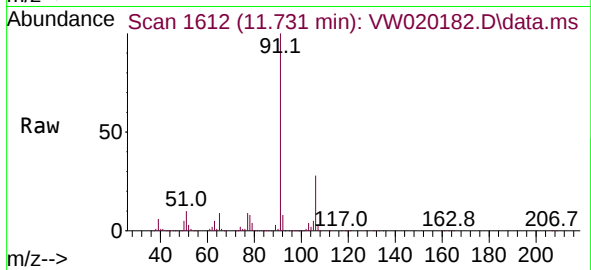




#52  
Ethylbenzene  
Concen: 25.729 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

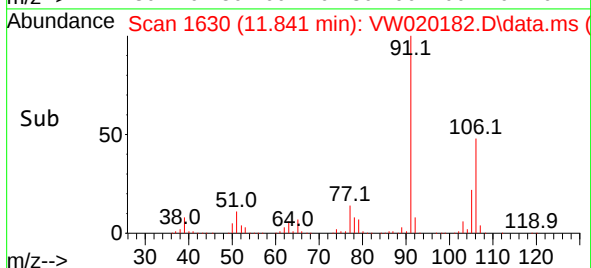
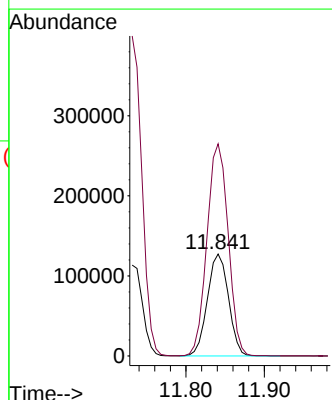
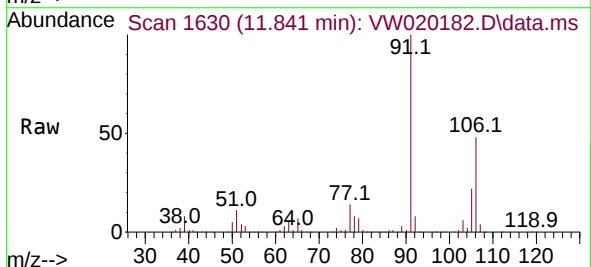
Instrument :  
MSVOA\_W  
ClientSampled :

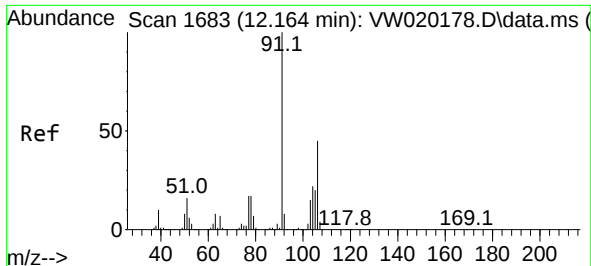
Tgt Ion: 91 Resp: 620767  
Ion Ratio Lower Upper  
91 100  
106 28.4 22.0 40.8



#53  
m,p-Xylene  
Concen: 25.848 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion: 106 Resp: 237762  
Ion Ratio Lower Upper  
106 100  
91 208.2 146.4 271.8

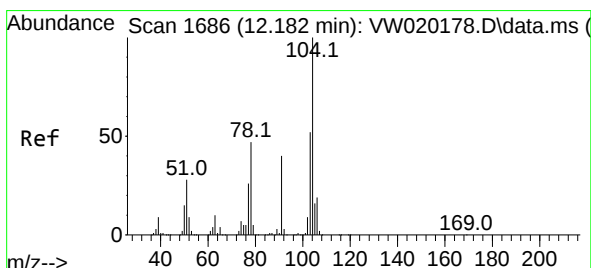
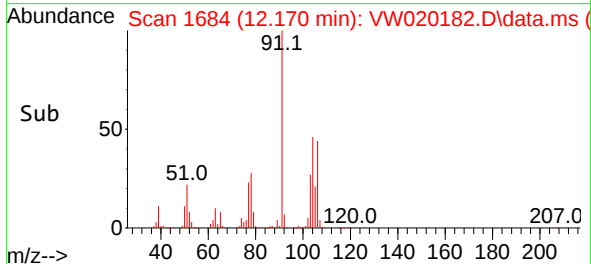
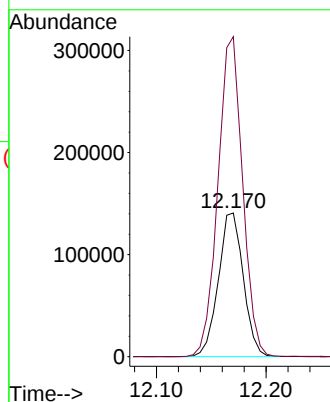
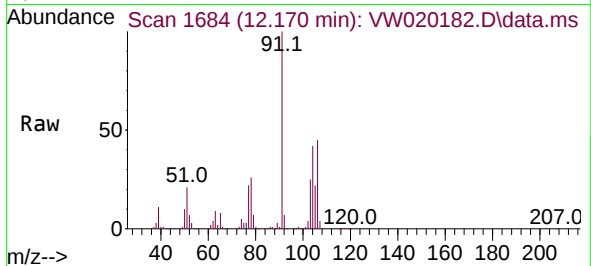




#54  
o-Xylene  
Concen: 26.196 ug/L  
RT: 12.170 min Scan# 1684  
Delta R.T. 0.006 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

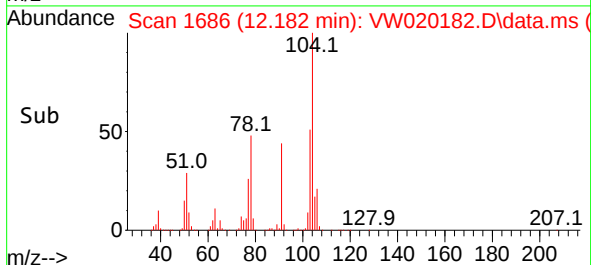
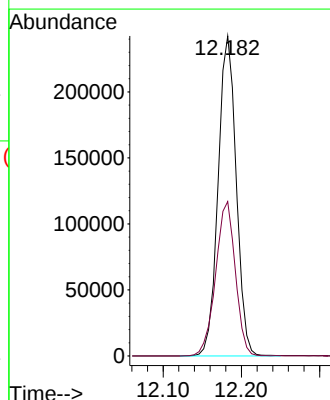
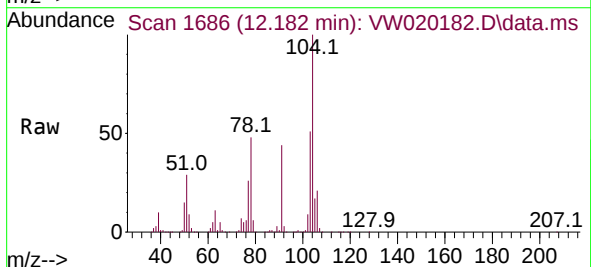
Instrument :  
MSVOA\_W  
ClientSampled :

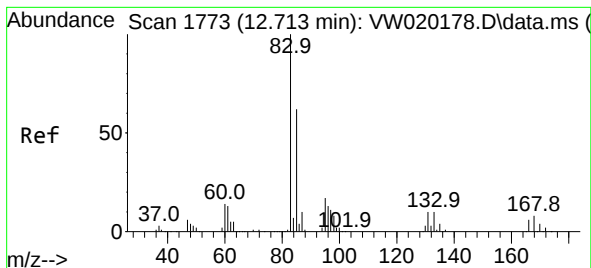
Tgt Ion:106 Resp: 222896  
Ion Ratio Lower Upper  
106 100  
91 222.7 154.3 286.7



#55  
Styrene  
Concen: 26.377 ug/L  
RT: 12.182 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion:104 Resp: 389987  
Ion Ratio Lower Upper  
104 100  
78 48.2 32.7 60.7

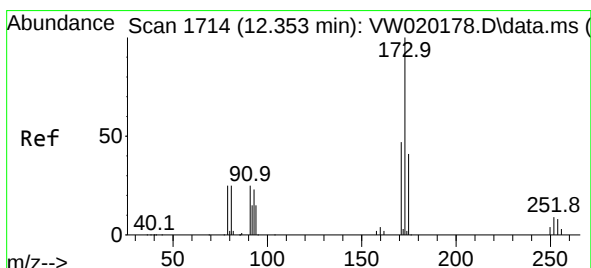
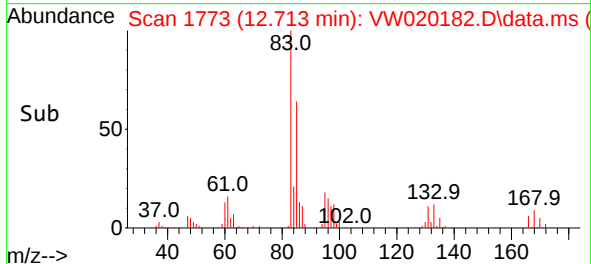
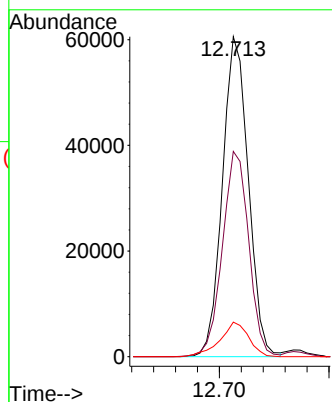
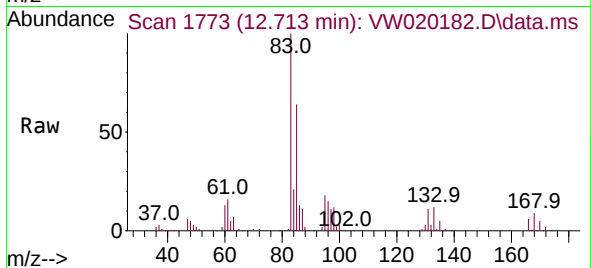




#57  
1,1,2,2-Tetrachloroethane  
Concen: 22.211 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

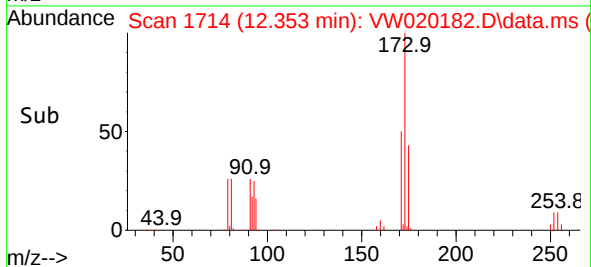
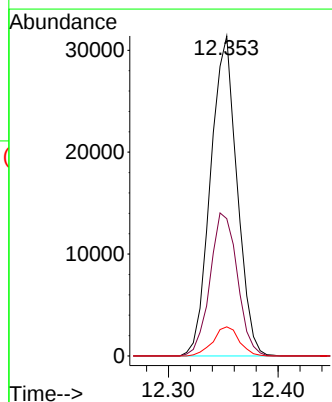
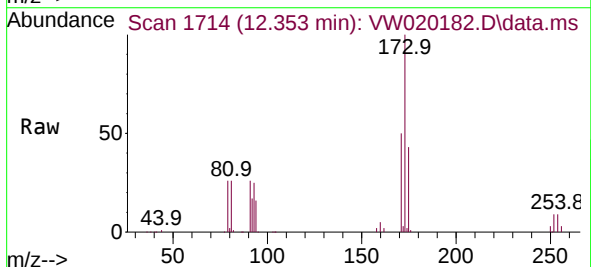
Instrument :  
MSVOA\_W  
ClientSampled :

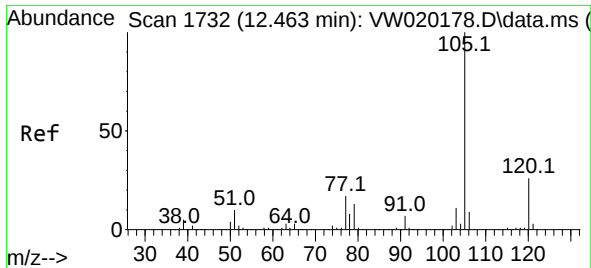
Tgt Ion: 83 Resp: 99343  
Ion Ratio Lower Upper  
83 100  
85 64.1 43.3 80.5  
131 10.8 7.9 11.9



#59  
Bromoform  
Concen: 21.840 ug/L  
RT: 12.353 min Scan# 1714  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion:173 Resp: 52662  
Ion Ratio Lower Upper  
173 100  
175 46.1 39.2 58.8  
254 9.0 6.6 10.0

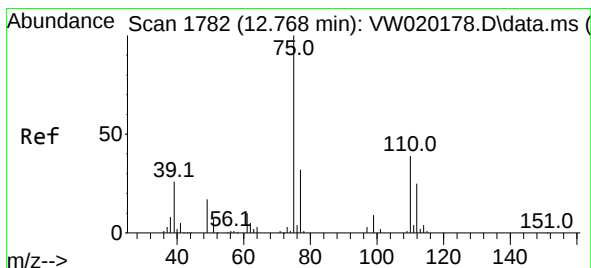
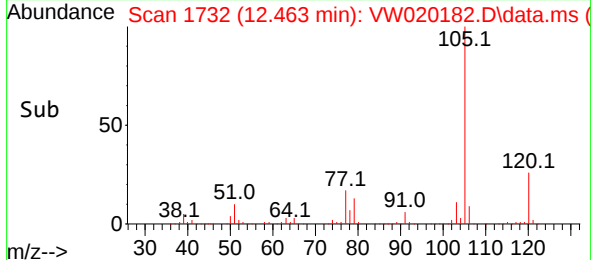
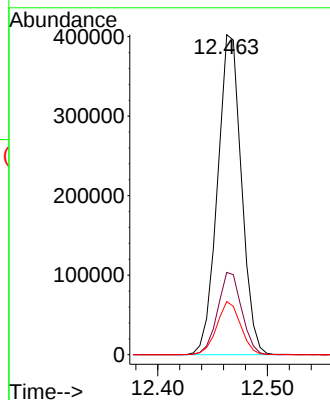
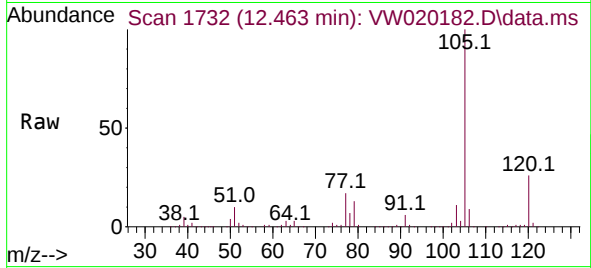




#60  
Isopropylbenzene  
Concen: 25.789 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

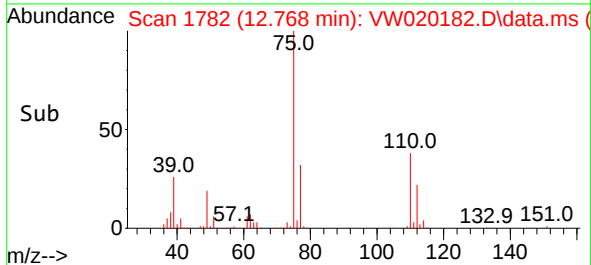
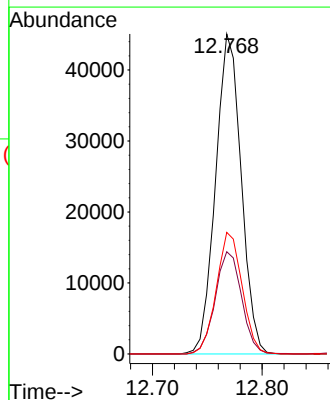
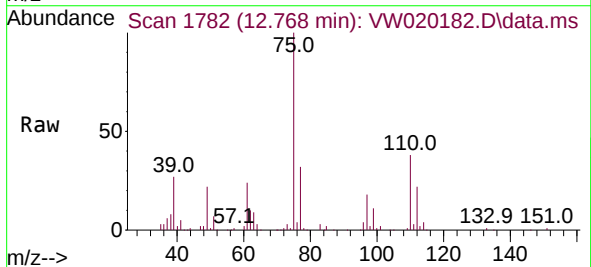
Instrument :  
MSVOA\_W  
ClientSampled :

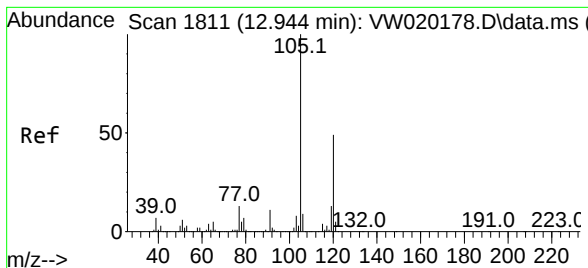
Tgt Ion:105 Resp: 611530  
Ion Ratio Lower Upper  
105 100  
120 25.8 20.9 31.3  
77 16.5 13.3 19.9



#61  
1,2,3-Trichloropropane  
Concen: 21.907 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion: 75 Resp: 73157  
Ion Ratio Lower Upper  
75 100  
77 32.8 26.3 39.5  
110 38.2 30.2 45.2

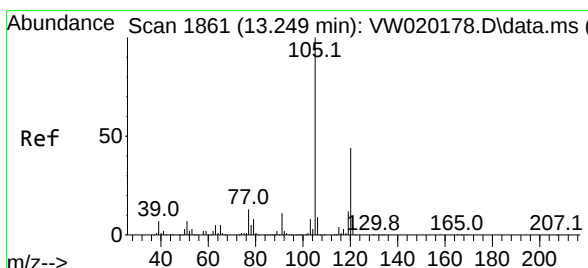
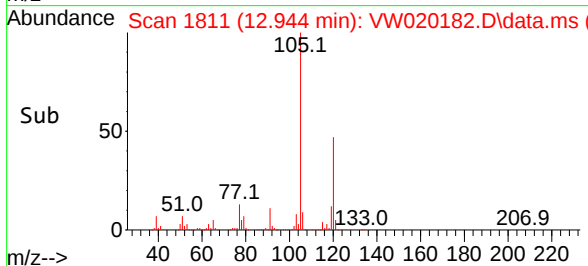
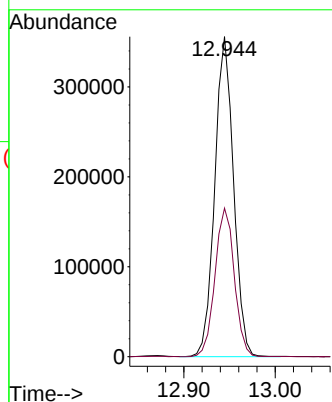
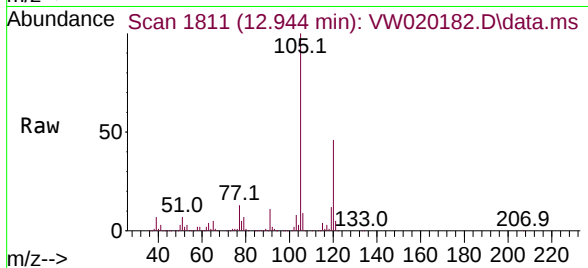




#62  
1,3,5-Trimethylbenzene  
Concen: 26.108 ug/L  
RT: 12.944 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

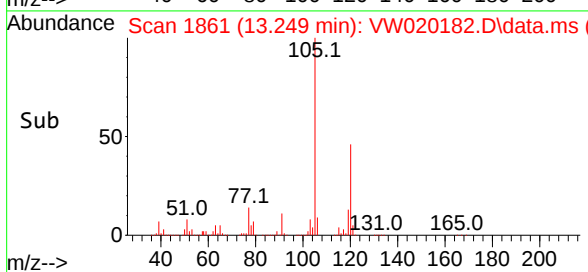
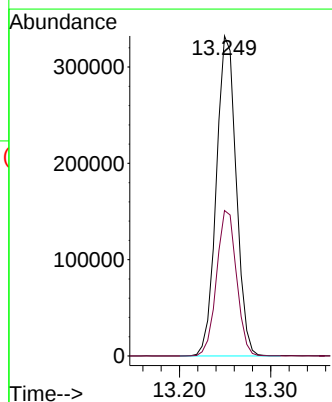
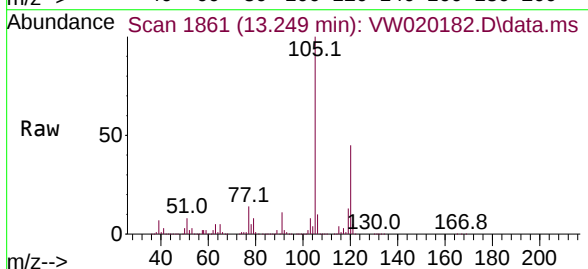
Instrument :  
MSVOA\_W  
ClientSampled :

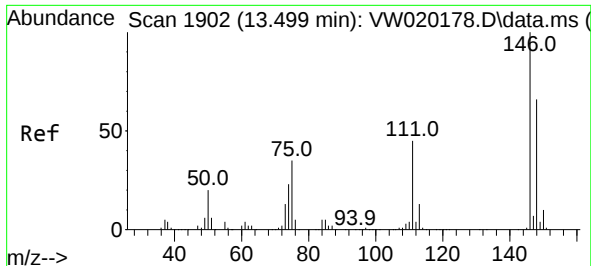
Tgt Ion:105 Resp: 508089  
Ion Ratio Lower Upper  
105 100  
120 47.7 38.0 57.0



#63  
1,2,4-Trimethylbenzene  
Concen: 26.235 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion:105 Resp: 501550  
Ion Ratio Lower Upper  
105 100  
120 45.5 36.2 54.4

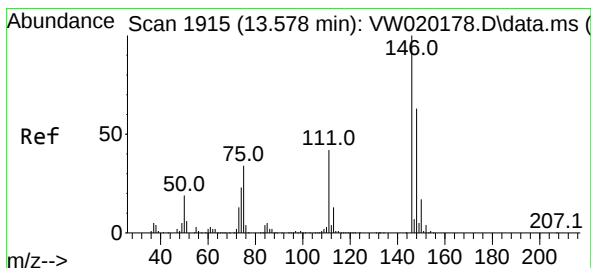
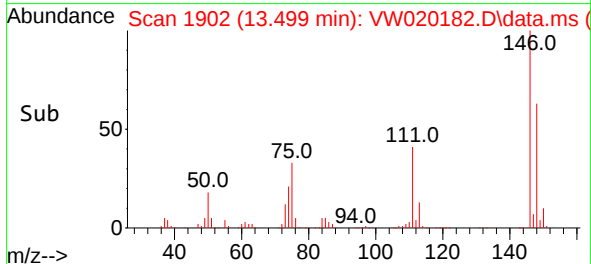
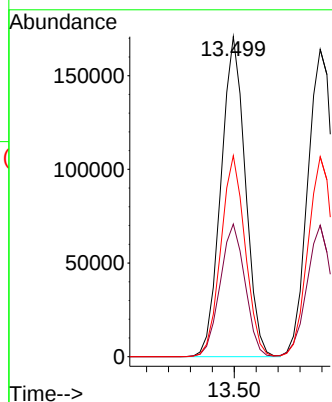
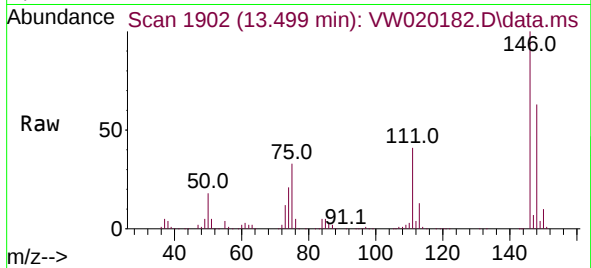




#64  
1,3-Dichlorobenzene  
Concen: 24.273 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

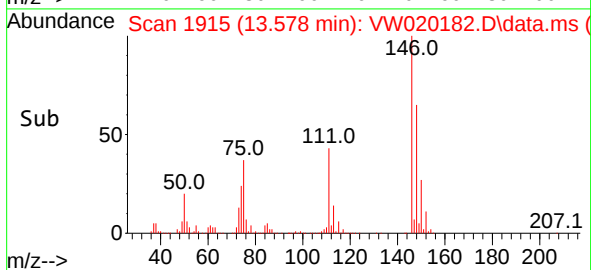
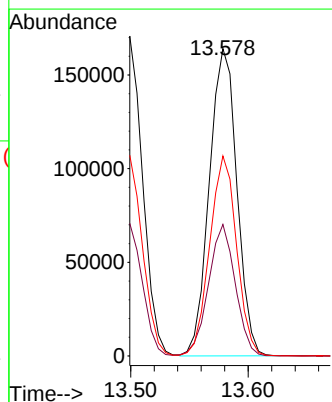
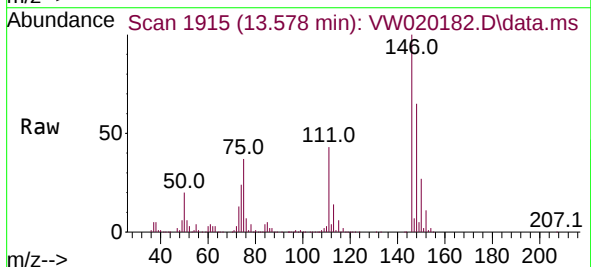
Instrument :  
MSVOA\_W  
ClientSampled :

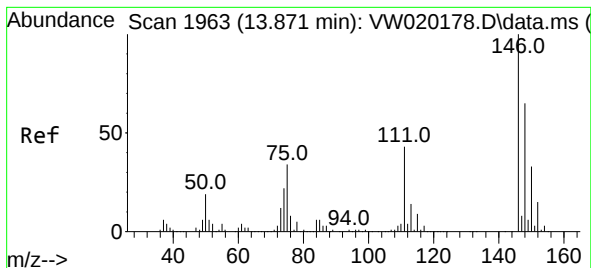
Tgt Ion:146 Resp: 263969  
Ion Ratio Lower Upper  
146 100  
111 41.5 28.3 52.5  
148 62.8 44.4 82.4



#65  
1,4-Dichlorobenzene  
Concen: 23.834 ug/L  
RT: 13.578 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion:146 Resp: 267863  
Ion Ratio Lower Upper  
146 100  
111 42.8 29.6 55.0  
148 65.1 45.3 84.1

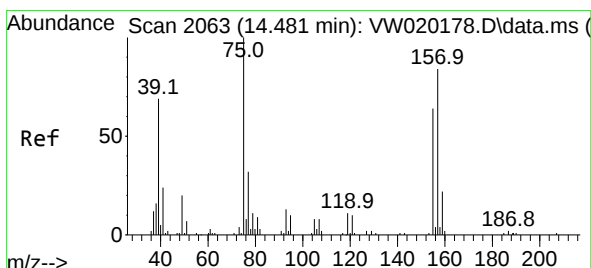
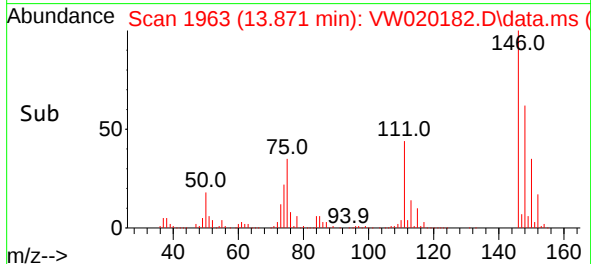
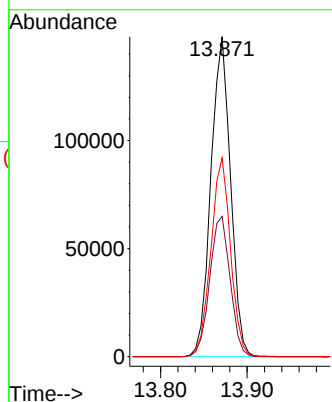
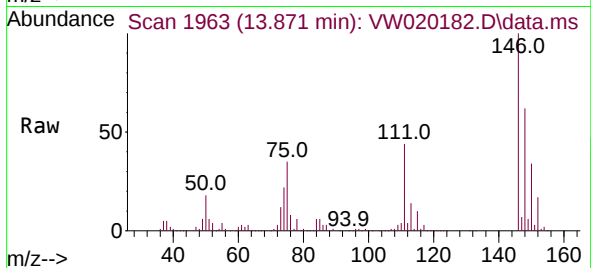




#67  
1,2-Dichlorobenzene  
Concen: 23.529 ug/L  
RT: 13.871 min Scan# 1963  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

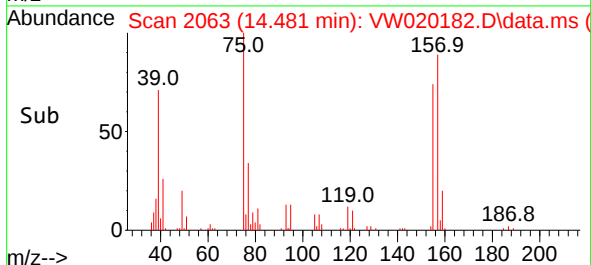
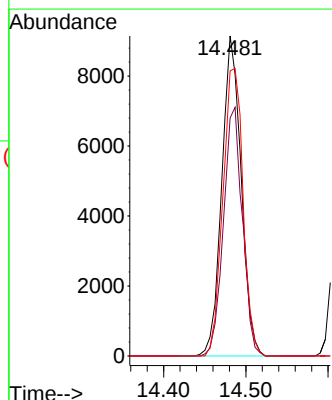
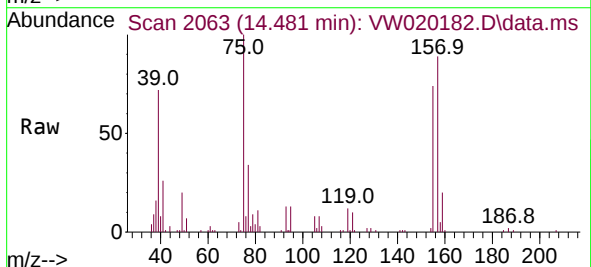
Instrument :  
MSVOA\_W  
ClientSampled :

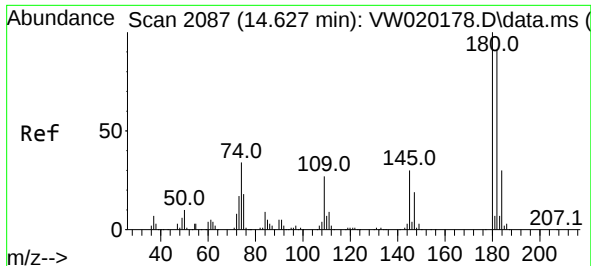
Tgt Ion:146 Resp: 233042  
Ion Ratio Lower Upper  
146 100  
111 43.9 34.7 52.1  
148 62.1 50.2 75.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 19.891 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

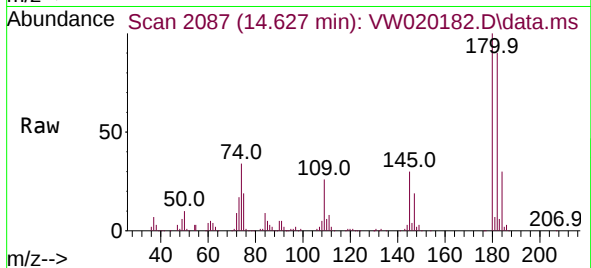
Tgt Ion: 75 Resp: 14911  
Ion Ratio Lower Upper  
75 100  
155 74.4 58.5 87.7  
157 89.1 77.4 116.0



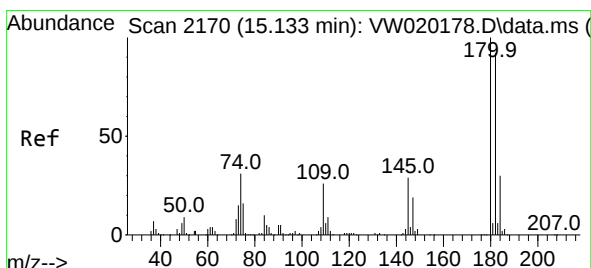
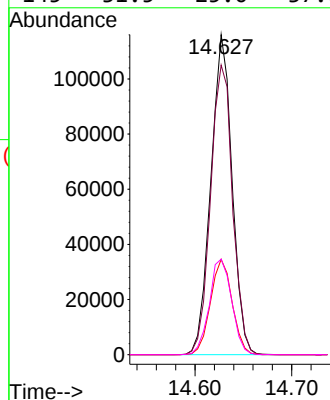
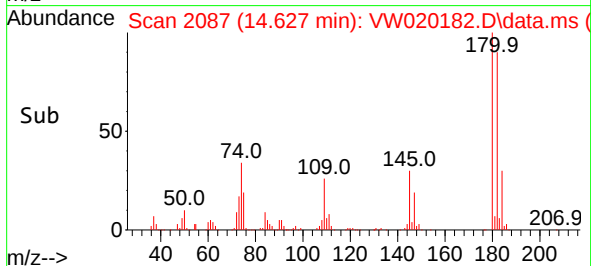


#69  
1,3,5-Trichlorobenzene  
Concen: 23.549 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

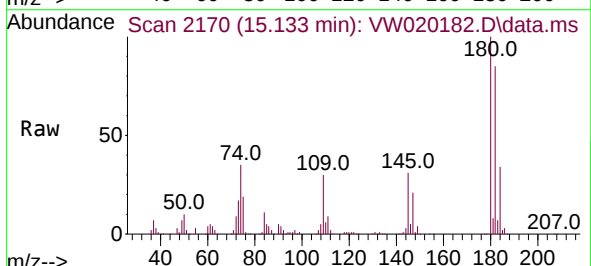
Instrument :  
MSVOA\_W  
ClientSampled :



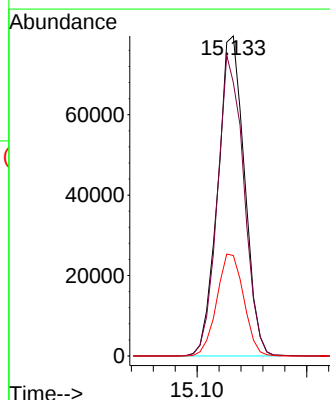
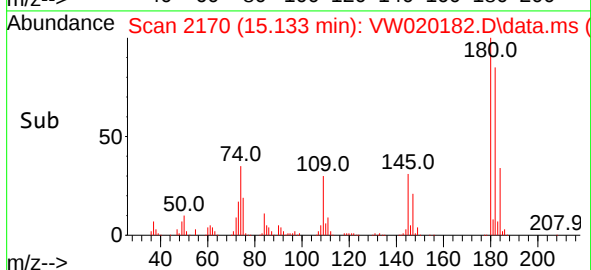
Tgt Ion:180 Resp: 177132  
Ion Ratio Lower Upper  
180 100  
182 93.8 75.2 112.8  
184 30.5 24.3 36.5  
145 31.5 25.0 37.6

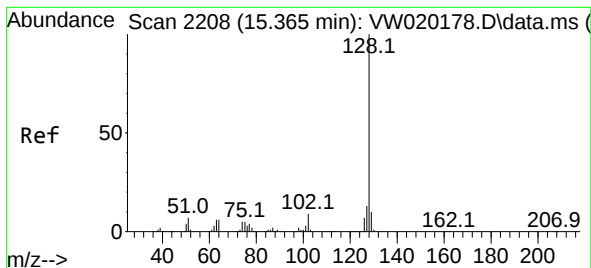


#70  
1,2,4-trichlorobenzene  
Concen: 23.189 ug/L  
RT: 15.133 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10



Tgt Ion:180 Resp: 134613  
Ion Ratio Lower Upper  
180 100  
182 92.8 70.6 106.0  
145 32.1 25.7 38.5

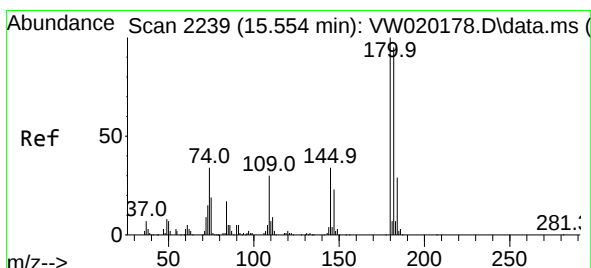
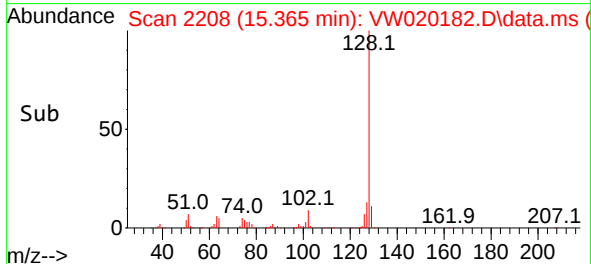
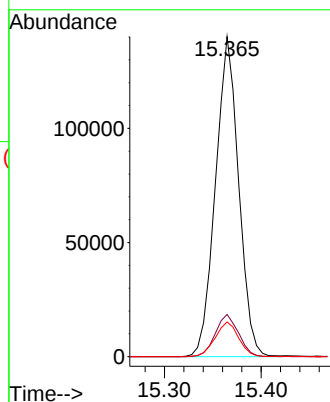
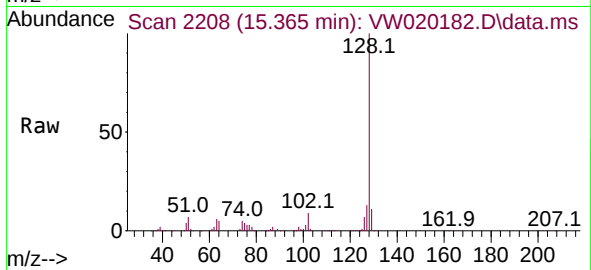




#71  
Naphthalene  
Concen: 22.779 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 233216  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.3 15.5  
129 11.0 8.6 12.8



#72  
1,2,3-Trichlorobenzene  
Concen: 23.827 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. 0.000 min  
Lab File: VW020182.D  
Acq: 24 Sep 2021 11:10

Tgt Ion:180 Resp: 124544  
Ion Ratio Lower Upper  
180 100  
182 94.3 75.7 113.5  
145 33.9 28.2 42.4

