

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW030322\  
 Data File : VW022172.D  
 Acq On : 03 Mar 2022 18:36  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 04 00:35:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022322SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 04 00:31:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.841  | 114   | 148845   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.627 | 117   | 139980   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 79703    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 39958    | 20.582   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.320%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 33349    | 21.832   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 87.320%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 60529    | 20.360   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 81.440%  |
| 21) 2-Butanone-d5             | 7.073  | 46    | 20432    | 62.595   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 125.180% |
| 24) Chloroform-d              | 7.646  | 84    | 78910    | 23.761   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.040%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 40295    | 23.342   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 93.360%  |
| 32) Benzene-d6                | 8.268  | 84    | 141644   | 21.742   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 86.960%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 41266    | 22.809   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 91.240%  |
| 41) Toluene-d8                | 10.323 | 98    | 134147   | 20.712   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 82.840%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 17639    | 21.989   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 87.960%  |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 18336    | 61.621   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 123.240% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 43839    | 27.610   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 110.440% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 60270    | 23.543   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 94.160%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 11232    | 27.001   | ug/L   | 100      |
| 3) Chloromethane              | 2.208  | 50    | 33034    | 23.175   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.355  | 62    | 51345    | 23.973   | ug/L   | 99       |
| 6) Bromomethane               | 2.775  | 94    | 33702    | 22.531   | ug/L   | 94       |
| 8) Chloroethane               | 2.916  | 64    | 30679    | 25.499   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 33896    | 23.310   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 41491    | 23.387   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.037  | 96    | 35342    | 22.986   | ug/L   | 98       |
| 13) Acetone                   | 4.129  | 43    | 12223    | 45.847   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.385  | 76    | 77192    | 19.364   | ug/L   | 97       |
| 15) Methyl Acetate            | 4.665  | 43    | 15204    | 25.332   | ug/L   | 98       |
| 16) Methylene chloride        | 4.909  | 84    | 40919    | 22.397   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.421  | 96    | 39935    | 23.647   | ug/L   | 91       |
| 18) Methyl tert-butyl Ether   | 5.433  | 73    | 60393    | 26.285   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 67035    | 24.518   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 43799    | 23.941   | ug/L   | 96       |
| 22) 2-Butanone                | 7.171  | 43    | 21192    | 55.336   | ug/L   | 96       |
| 23) Bromochloromethane        | 7.512  | 128   | 21788    | 24.380   | ug/L   | 94       |
| 25) Chloroform                | 7.677  | 83    | 78220    | 24.520   | ug/L   | 98       |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 04 00:35:28 2022  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 04 00:31:34 2022  
 Response via : Initial Calibration

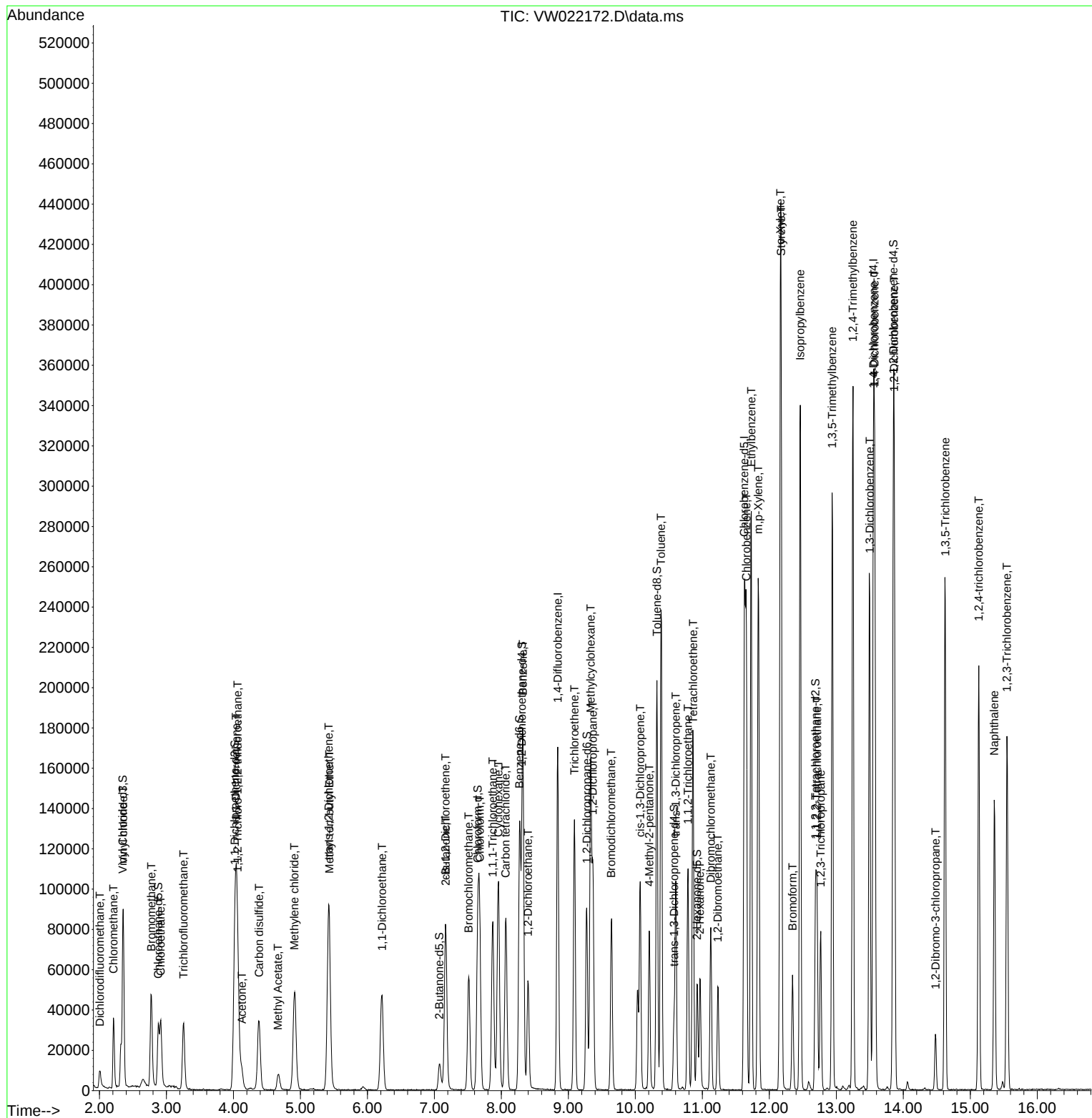
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 48466    | 24.666 | ug/L   | 100      |
| 29) Cyclohexane               | 7.957  | 56   | 54387    | 23.347 | ug/L   | 100      |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 68858    | 24.450 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.061  | 117  | 64851    | 24.229 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 158485   | 23.418 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 45608    | 23.537 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.335  | 83   | 69533    | 23.199 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 37604    | 23.817 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.640  | 83   | 55815    | 24.652 | ug/L   | 92       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 59706    | 24.878 | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 46504    | 54.542 | ug/L   | 99       |
| 42) Toluene                   | 10.384 | 91   | 184845   | 24.132 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 54525    | 25.282 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 33912    | 24.222 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.865 | 164  | 38519    | 22.692 | ug/L   | 96       |
| 48) 2-Hexanone                | 10.963 | 43   | 33084    | 55.906 | ug/L   | 95       |
| 49) Dibromochloromethane      | 11.127 | 129  | 41880    | 24.627 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 33465    | 24.782 | ug/L   | 94       |
| 51) Chlorobenzene             | 11.658 | 112  | 127020   | 23.828 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.731 | 91   | 209340   | 24.694 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.835 | 106  | 86894    | 24.911 | ug/L   | 99       |
| 54) o-Xylene                  | 12.164 | 106  | 81459    | 24.819 | ug/L   | 91       |
| 55) Styrene                   | 12.176 | 104  | 137112   | 24.919 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 42126    | 25.933 | ug/L   | 94       |
| 59) Bromoform                 | 12.347 | 173  | 24663    | 23.399 | ug/L # | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 223502   | 23.360 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.767 | 75   | 30334    | 24.114 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 158241   | 24.872 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 192510   | 24.759 | ug/L   | 95       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 109258   | 23.020 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 104830   | 22.040 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 101826   | 24.130 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.480 | 75   | 6423     | 24.153 | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 76801    | 22.545 | ug/L   | 89       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 64755    | 25.123 | ug/L   | 100      |
| 71) Naphthalene               | 15.358 | 128  | 123106   | 27.055 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.547 | 180  | 57656    | 25.861 | ug/L   | 98       |

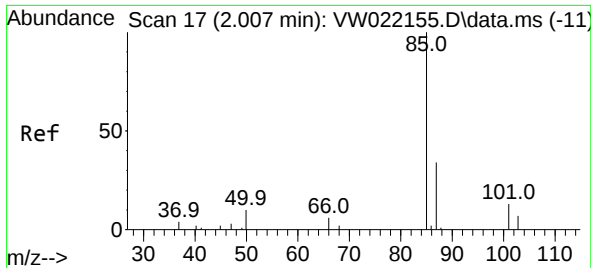
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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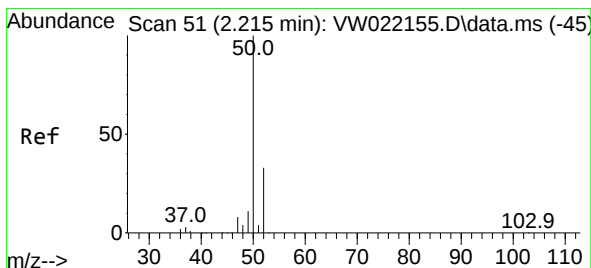
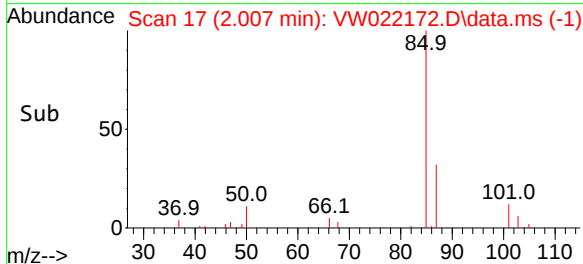
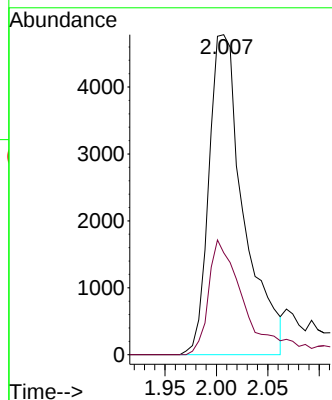
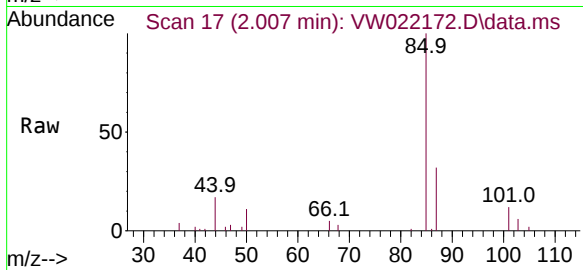




#2  
 Dichlorodifluoromethane  
 Concen: 27.001 ug/L  
 RT: 2.007 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW022172.D  
 Acq: 03 Mar 2022 18:36

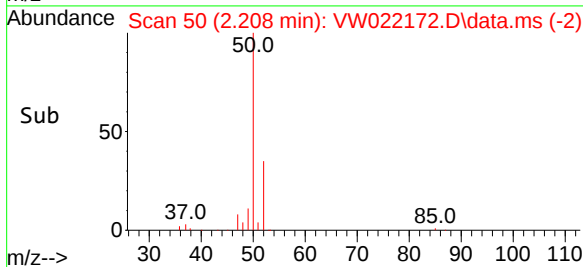
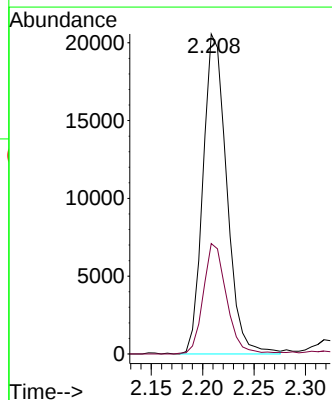
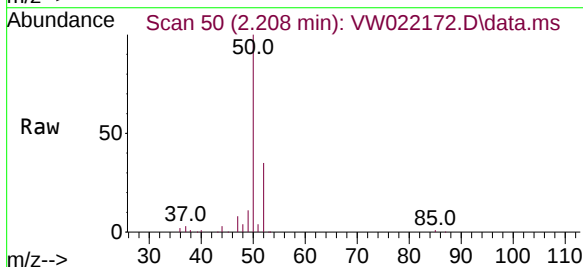
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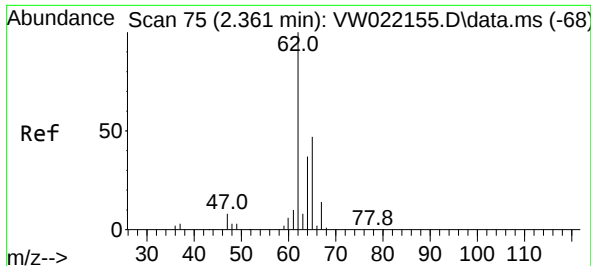
Tgt Ion: 85 Resp: 11232  
 Ion Ratio Lower Upper  
 85 100  
 87 34.6 27.6 41.4



#3  
 Chloromethane  
 Concen: 23.175 ug/L  
 RT: 2.208 min Scan# 50  
 Delta R.T. -0.006 min  
 Lab File: VW022172.D  
 Acq: 03 Mar 2022 18:36

Tgt Ion: 50 Resp: 33034  
 Ion Ratio Lower Upper  
 50 100  
 52 34.5 23.9 44.5

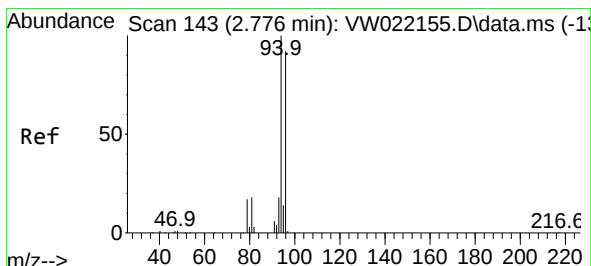
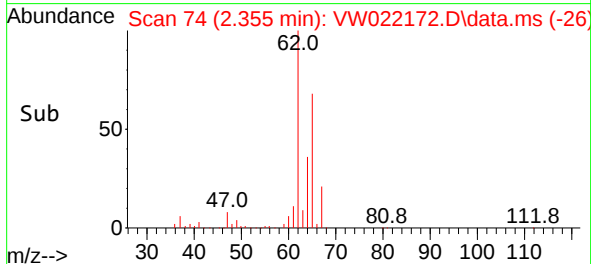
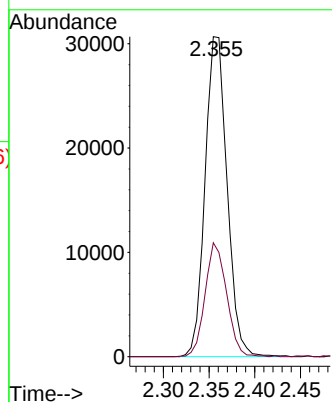
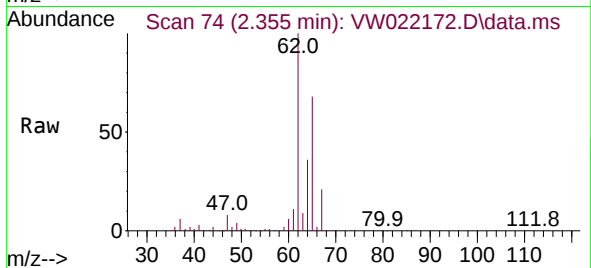




#5  
 Vinyl chloride  
 Concen: 23.973 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. -0.006 min  
 Lab File: VW022172.D  
 Acq: 03 Mar 2022 18:36

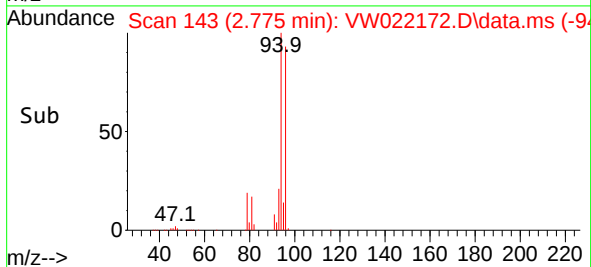
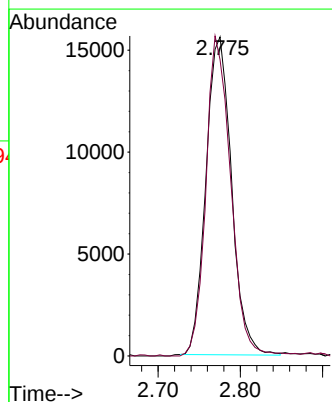
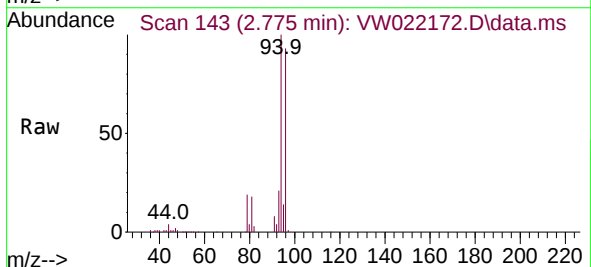
Instrument :  
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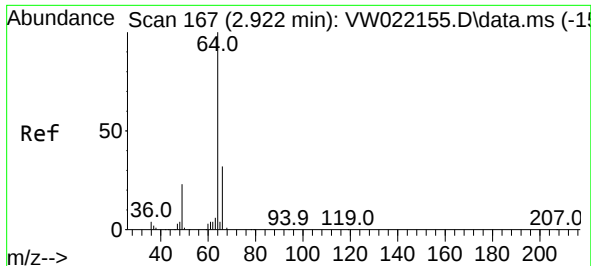
Tgt Ion: 62 Resp: 51345  
 Ion Ratio Lower Upper  
 62 100  
 64 35.6 24.7 45.9



#6  
 Bromomethane  
 Concen: 22.531 ug/L  
 RT: 2.775 min Scan# 143  
 Delta R.T. -0.000 min  
 Lab File: VW022172.D  
 Acq: 03 Mar 2022 18:36

Tgt Ion: 94 Resp: 33702  
 Ion Ratio Lower Upper  
 94 100  
 96 92.9 61.2 113.8

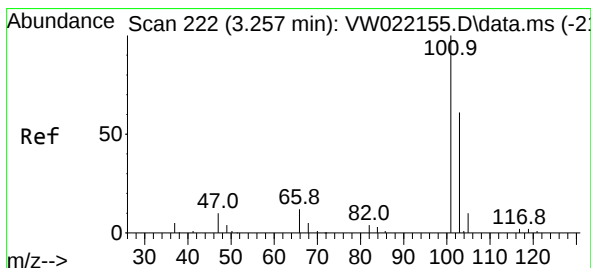
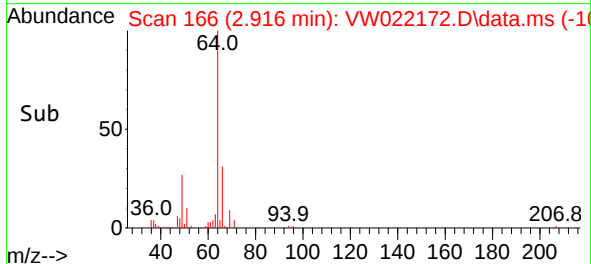
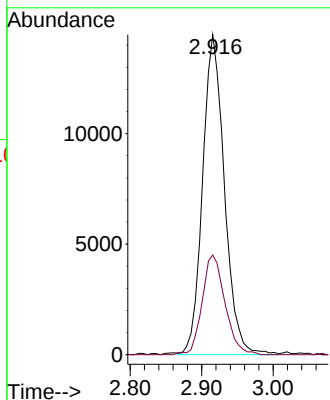
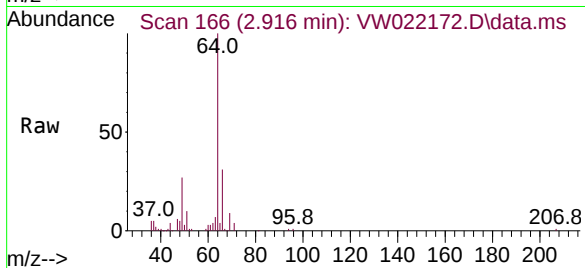




#8  
Chloroethane  
Concen: 25.499 ug/L  
RT: 2.916 min Scan# 166  
Delta R.T. -0.006 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

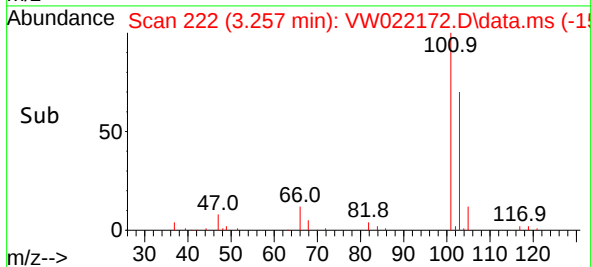
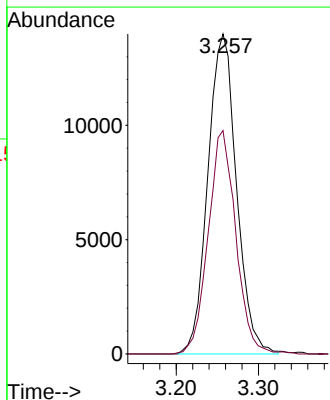
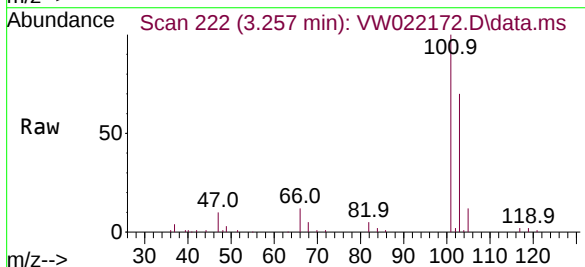
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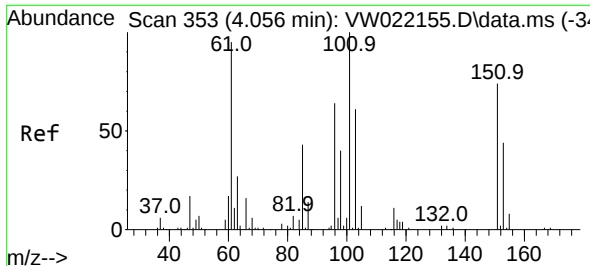
Tgt Ion: 64 Resp: 30679  
Ion Ratio Lower Upper  
64 100  
66 31.2 23.2 43.0



#9  
Trichlorofluoromethane  
Concen: 23.310 ug/L  
RT: 3.257 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

Tgt Ion: 101 Resp: 33896  
Ion Ratio Lower Upper  
101 100  
103 67.3 53.2 79.8

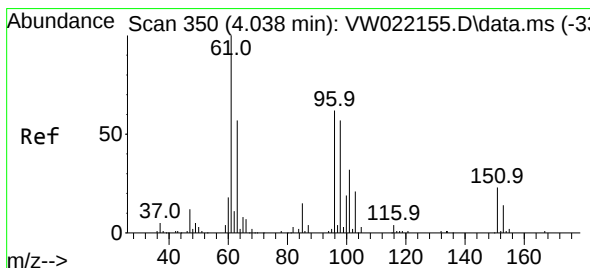
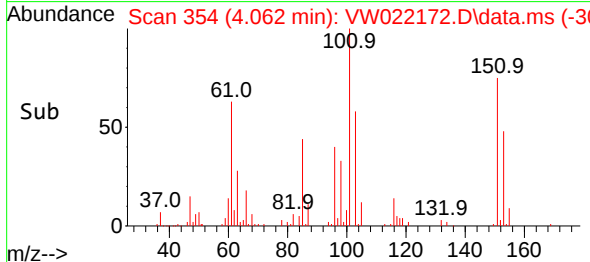
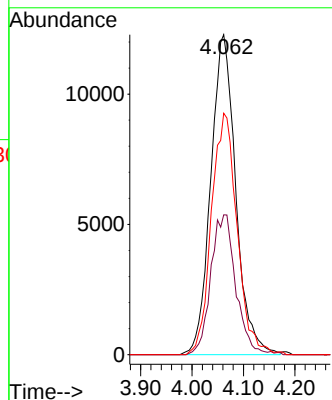
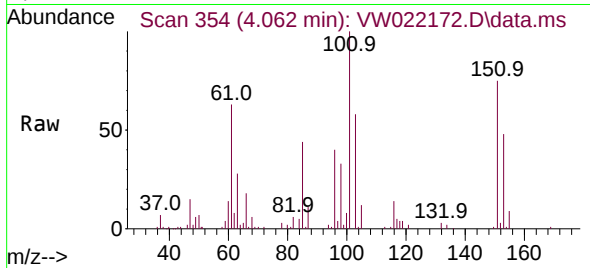




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 23.387 ug/L  
 RT: 4.062 min Scan# 31  
 Delta R.T. 0.006 min  
 Lab File: VW022172.D  
 Acq: 03 Mar 2022 18:36

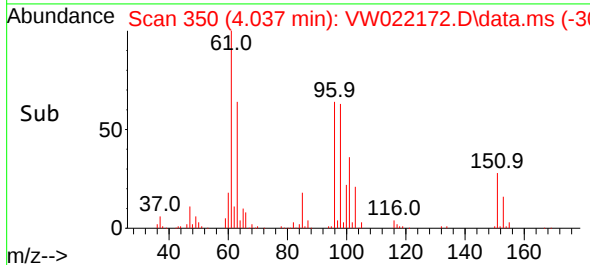
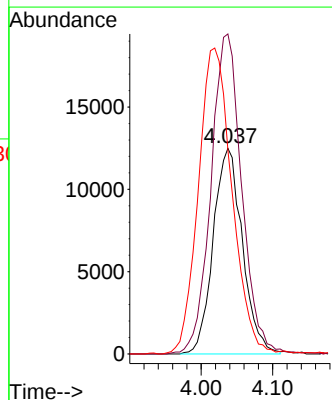
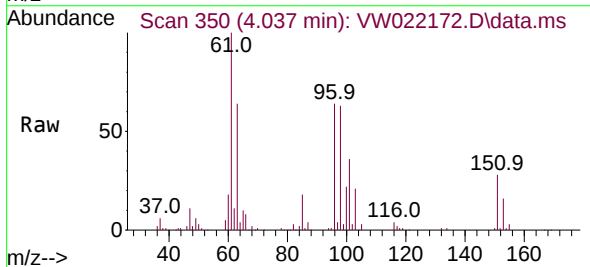
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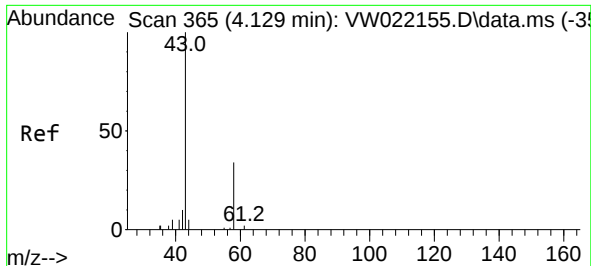
Tgt Ion:101 Resp: 41491  
 Ion Ratio Lower Upper  
 101 100  
 85 43.5 34.4 51.6  
 151 75.3 59.0 88.4



#12  
 1,1-Dichloroethene  
 Concen: 22.986 ug/L  
 RT: 4.037 min Scan# 350  
 Delta R.T. -0.000 min  
 Lab File: VW022172.D  
 Acq: 03 Mar 2022 18:36

Tgt Ion: 96 Resp: 35342  
 Ion Ratio Lower Upper  
 96 100  
 61 155.6 108.4 201.2  
 63 99.2 72.0 133.6





#13

Acetone

Concen: 45.847 ug/L

RT: 4.129 min Scan# 365

Delta R.T. -0.000 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

Instrument :

MSVOA\_W

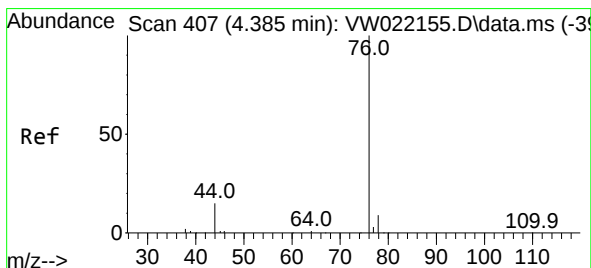
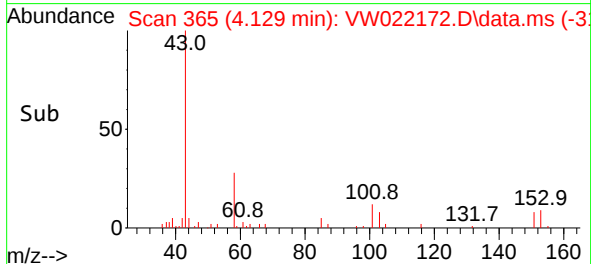
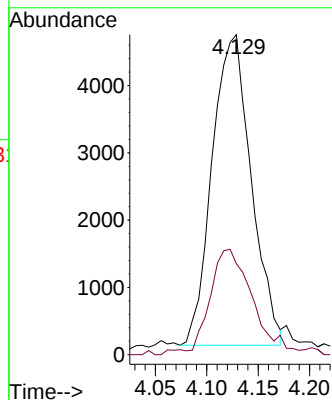
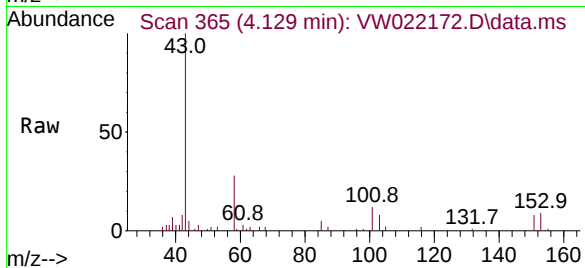
ClientSampleId :

Tgt Ion: 43 Resp: 12223

Ion Ratio Lower Upper

43 100

58 34.8 0.0 69.2



#14

Carbon disulfide

Concen: 19.364 ug/L

RT: 4.385 min Scan# 407

Delta R.T. -0.000 min

Lab File: VW022172.D

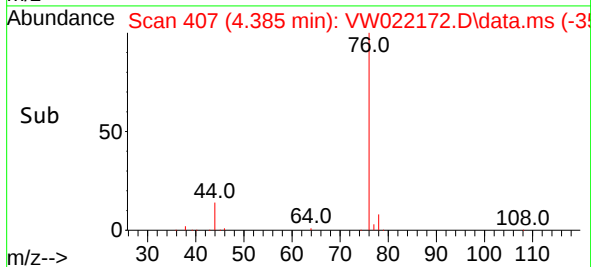
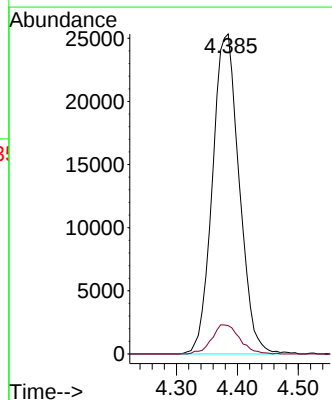
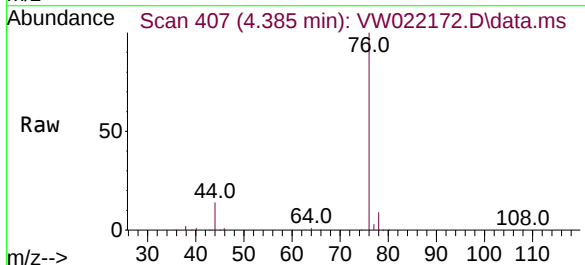
Acq: 03 Mar 2022 18:36

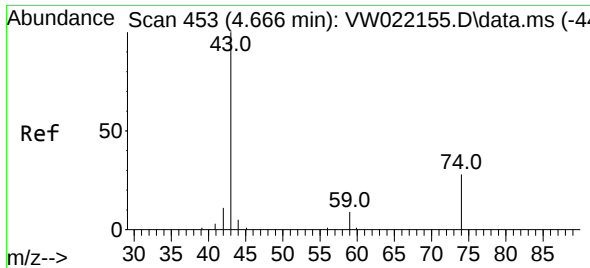
Tgt Ion: 76 Resp: 77192

Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.8

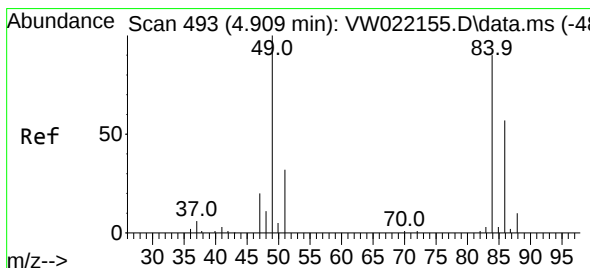
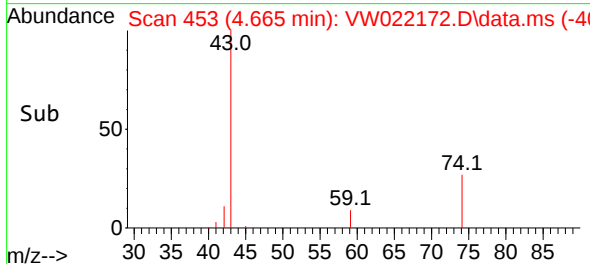
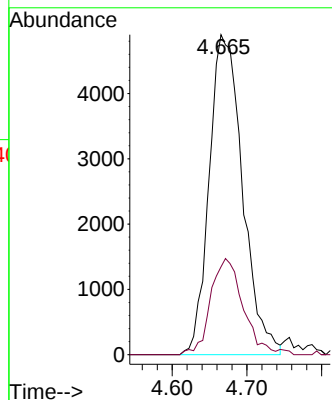
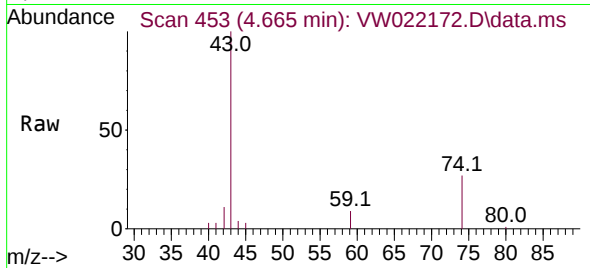




#15  
Methyl Acetate  
Concen: 25.332 ug/L  
RT: 4.665 min Scan# 415  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

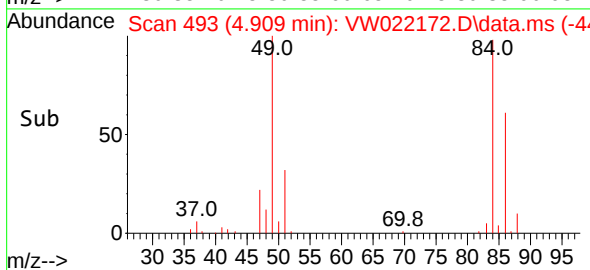
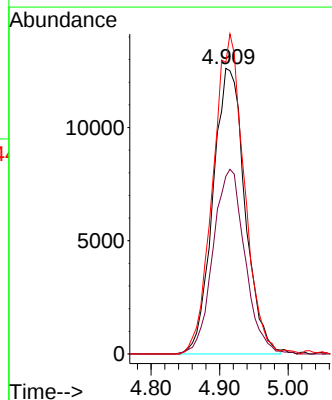
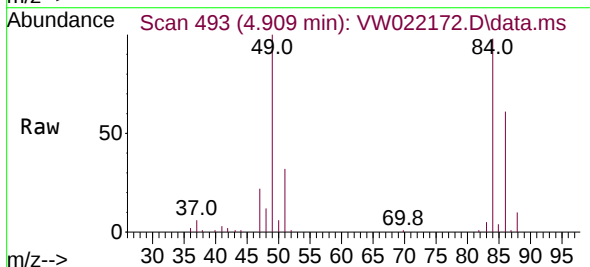
Instrument :  
MSVOA\_W  
ClientSampleId :

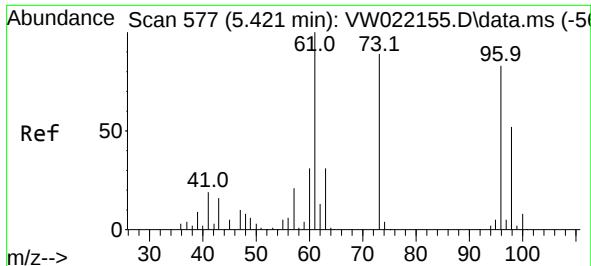
Tgt Ion: 43 Resp: 15204  
Ion Ratio Lower Upper  
43 100  
74 27.5 23.0 34.6



#16  
Methylene chloride  
Concen: 22.397 ug/L  
RT: 4.909 min Scan# 493  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

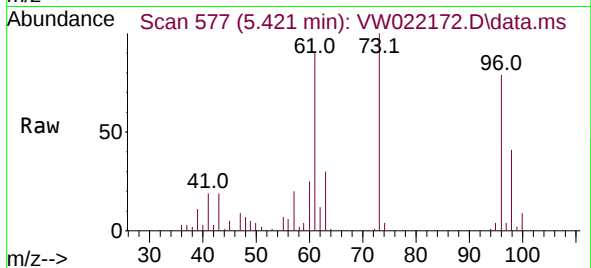
Tgt Ion: 84 Resp: 40919  
Ion Ratio Lower Upper  
84 100  
86 62.2 45.8 85.0  
49 102.1 73.8 137.0





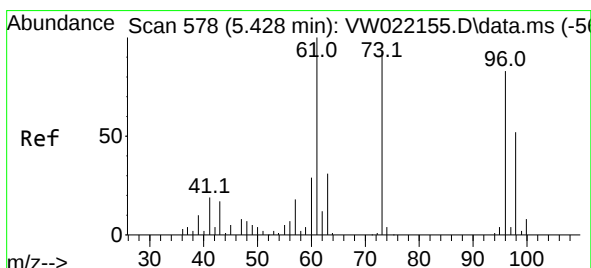
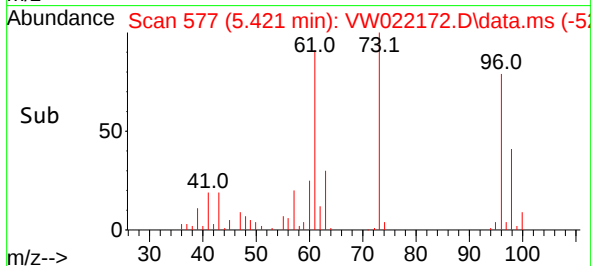
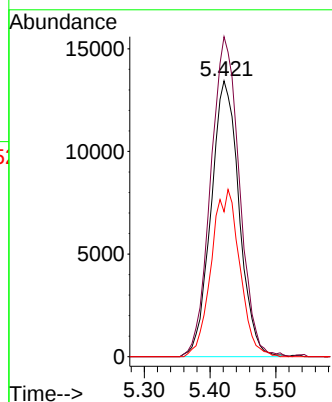
#17  
trans-1,2-Dichloroethene  
Concen: 23.647 ug/L  
RT: 5.421 min Scan# 577  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 96 Resp: 39935

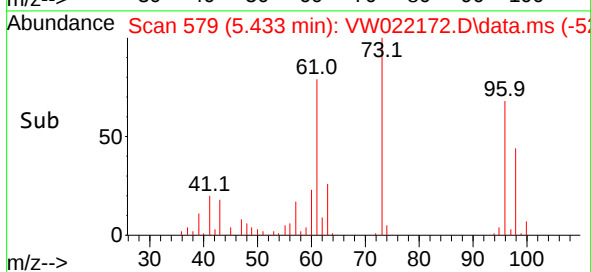
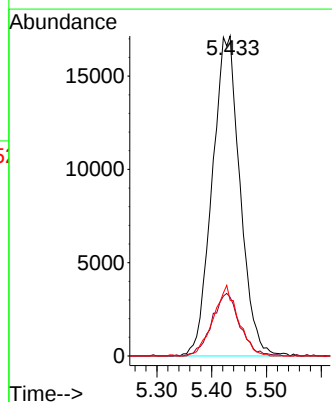
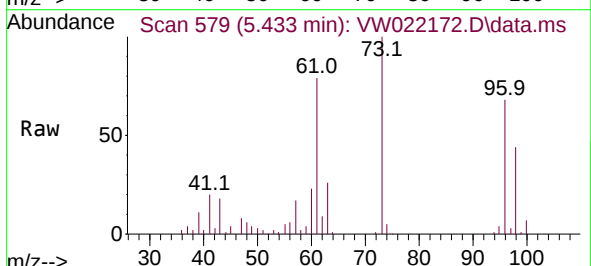
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 116.0 | 87.3  | 162.1 |
| 98  | 52.5  | 43.2  | 80.2  |

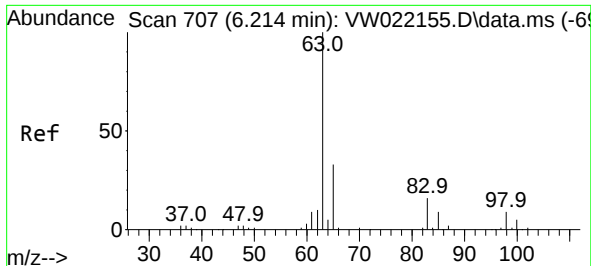


#18  
Methyl tert-butyl Ether  
Concen: 26.285 ug/L  
RT: 5.433 min Scan# 579  
Delta R.T. 0.006 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

Tgt Ion: 73 Resp: 60393

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 19.6  | 15.4  | 23.2  |
| 57  | 19.9  | 16.5  | 24.7  |





#19

1,1-Dichloroethane

Concen: 24.518 ug/L

RT: 6.220 min Scan# 707

Delta R.T. 0.006 min

Lab File: VW022172.D

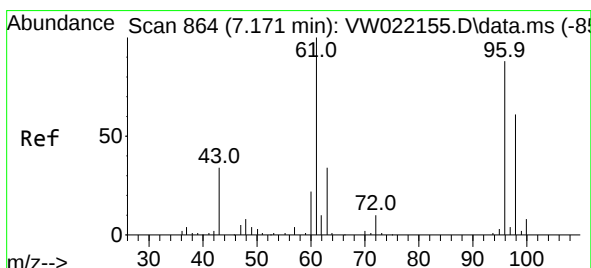
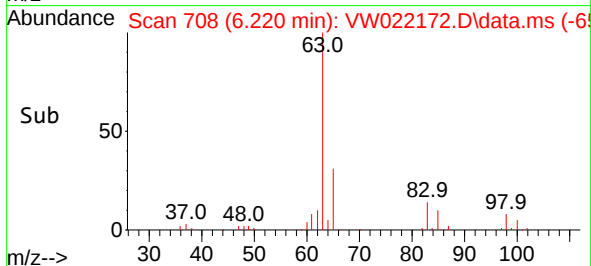
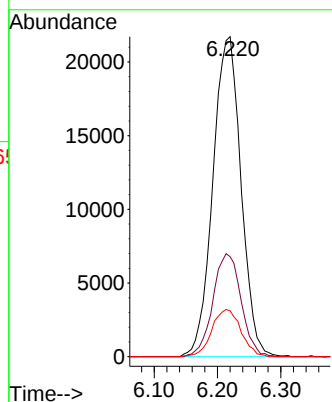
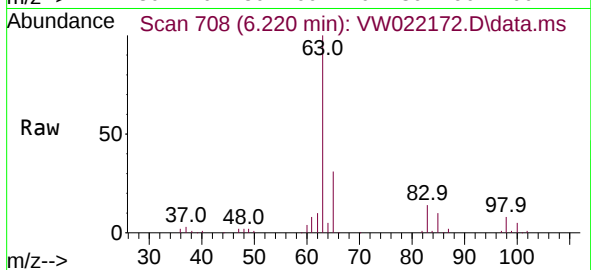
Acq: 03 Mar 2022 18:36

Instrument :

MSVOA\_W

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 67035 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 31.3     | 22.5 41.9   |
| 83 14.3     | 11.5 21.5   |



#20

cis-1,2-Dichloroethene

Concen: 23.941 ug/L

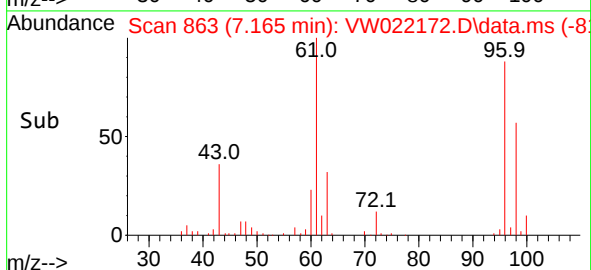
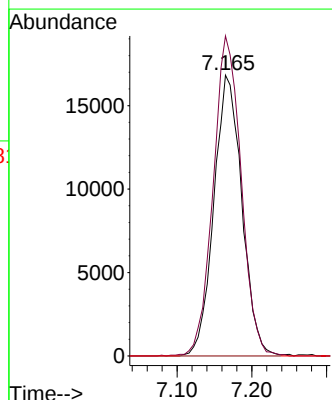
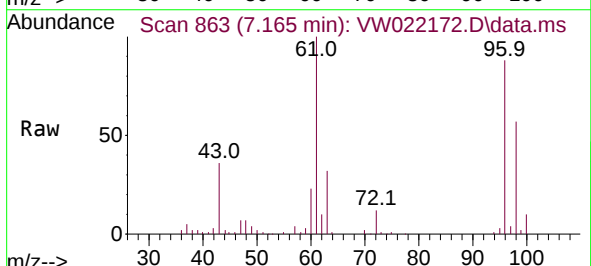
RT: 7.165 min Scan# 863

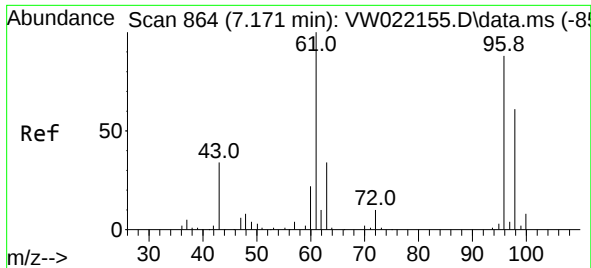
Delta R.T. -0.006 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 43799 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 113.9    | 76.8 142.6  |
| 68 0.0      | 0.0 0.0     |

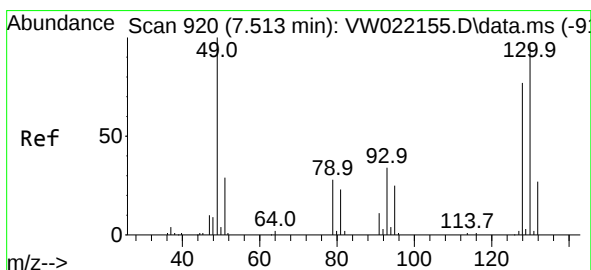
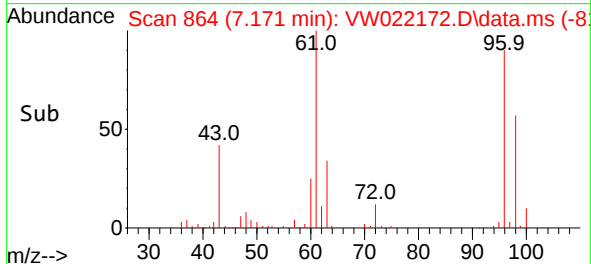
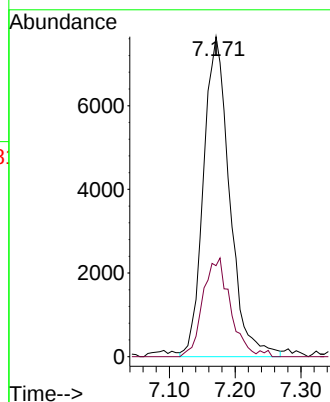
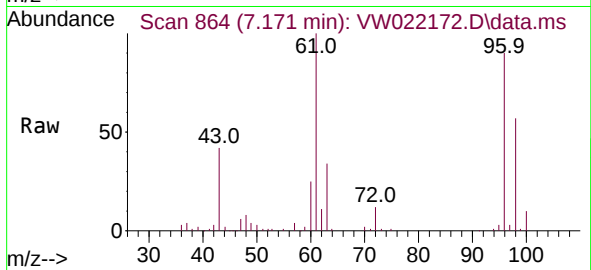




#22  
2-Butanone  
Concen: 55.336 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

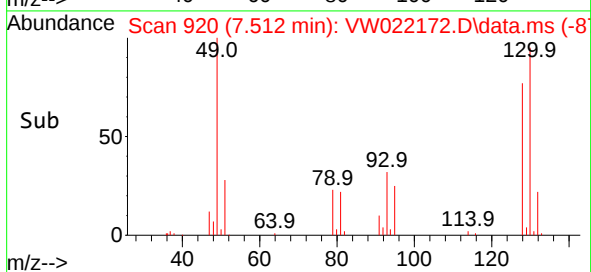
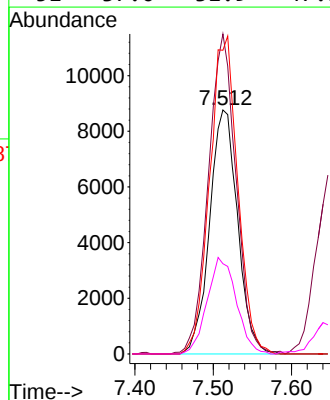
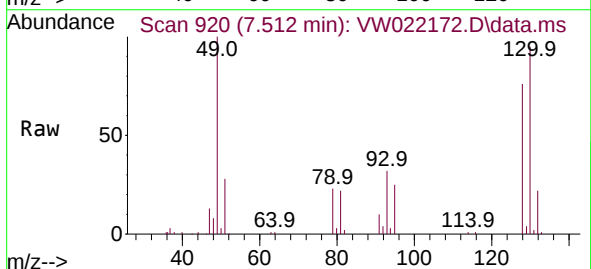
Instrument :  
MSVOA\_W  
ClientSampleId :

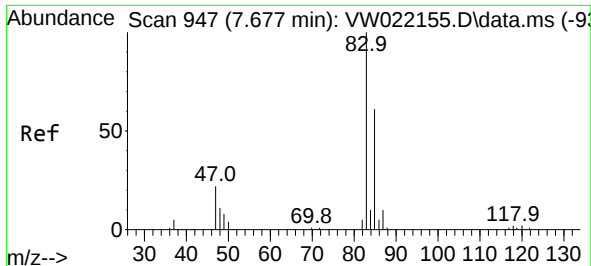
Tgt Ion: 43 Resp: 21192  
Ion Ratio Lower Upper  
43 100  
72 31.8 17.0 51.0



#23  
Bromochloromethane  
Concen: 24.380 ug/L  
RT: 7.512 min Scan# 920  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

Tgt Ion: 128 Resp: 21788  
Ion Ratio Lower Upper  
128 100  
49 131.1 84.2 156.4  
130 124.5 84.8 157.4  
51 37.0 31.9 47.9

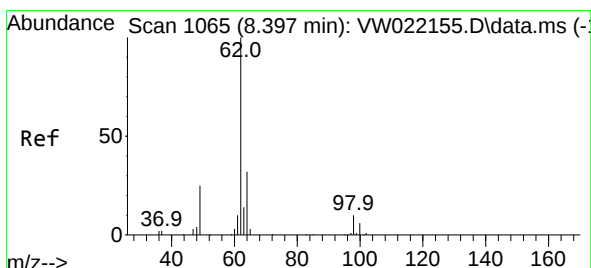
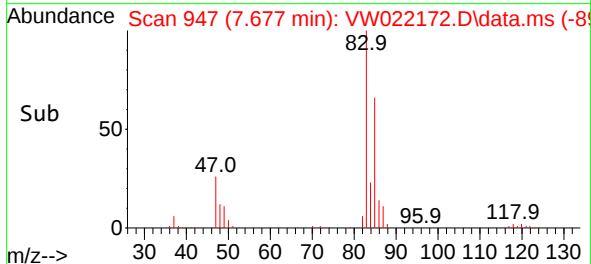
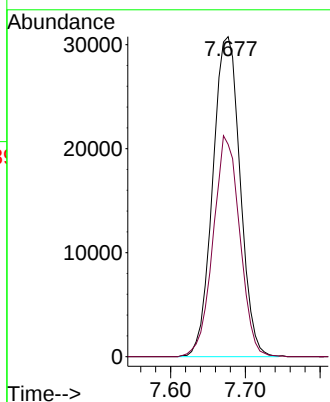
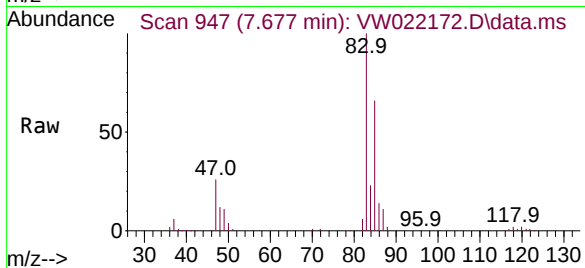




#25  
Chloroform  
Concen: 24.520 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

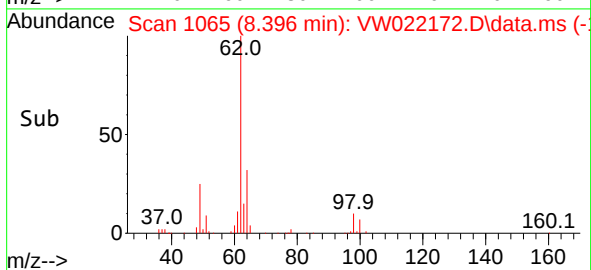
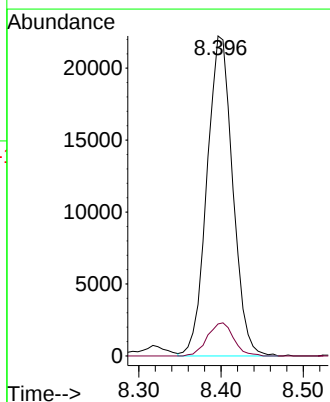
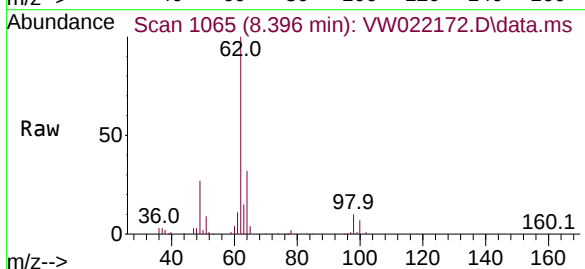
Instrument :  
MSVOA\_W  
ClientSampleId :

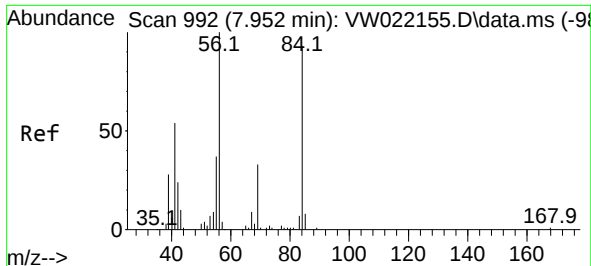
Tgt Ion: 83 Resp: 78220  
Ion Ratio Lower Upper  
83 100  
85 66.4 45.1 83.9



#27  
1,2-Dichloroethane  
Concen: 24.666 ug/L  
RT: 8.396 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

Tgt Ion: 62 Resp: 48466  
Ion Ratio Lower Upper  
62 100  
98 10.0 7.9 11.9





#29

Cyclohexane

Concen: 23.347 ug/L

RT: 7.957 min Scan# 992

Delta R.T. 0.006 min

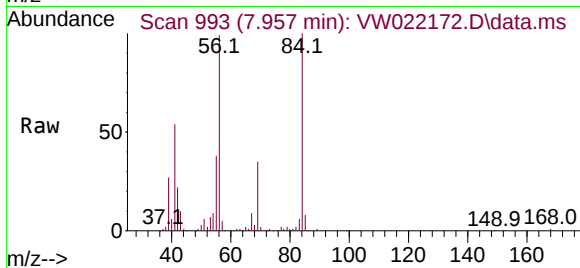
Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

Instrument :

MSVOA\_W

ClientSampleId :



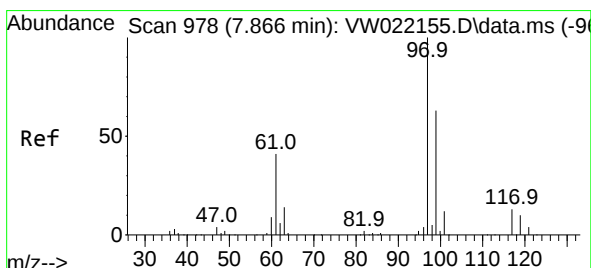
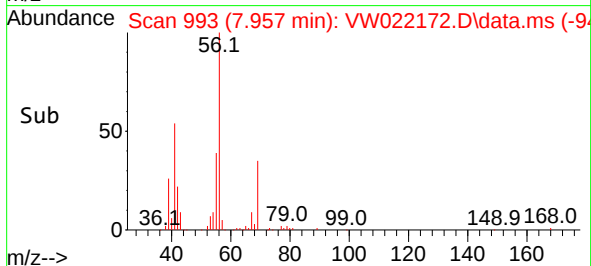
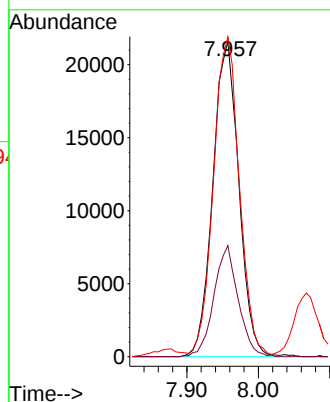
Tgt Ion: 56 Resp: 54387

Ion Ratio Lower Upper

56 100

69 33.0 26.3 39.5

84 101.7 81.4 122.2



#30

1,1,1-Trichloroethane

Concen: 24.450 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.006 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

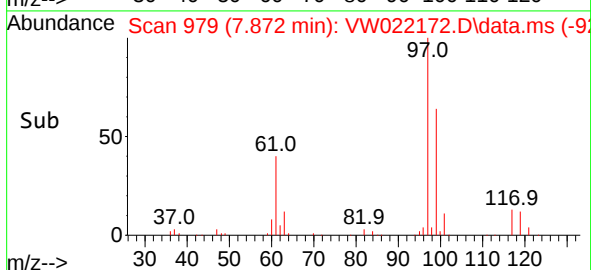
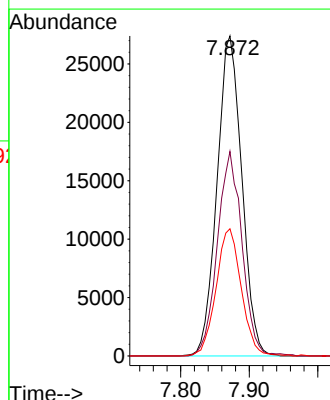
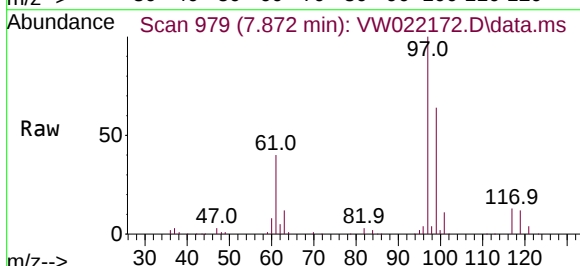
Tgt Ion: 97 Resp: 68858

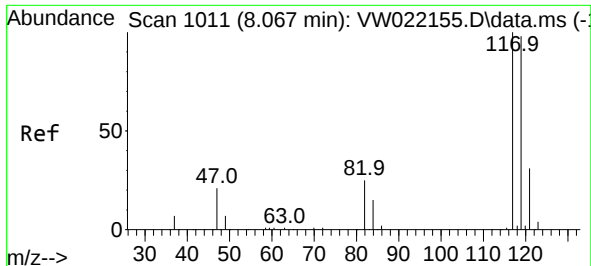
Ion Ratio Lower Upper

97 100

99 62.9 52.6 78.8

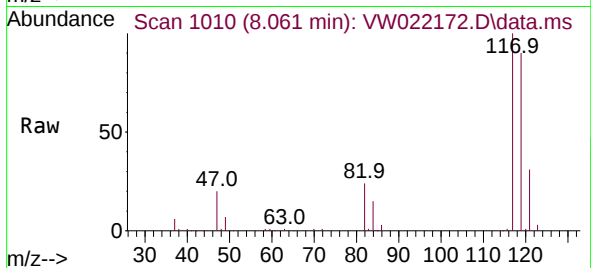
61 40.4 33.0 49.6



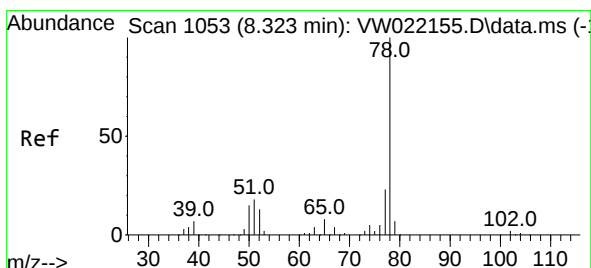
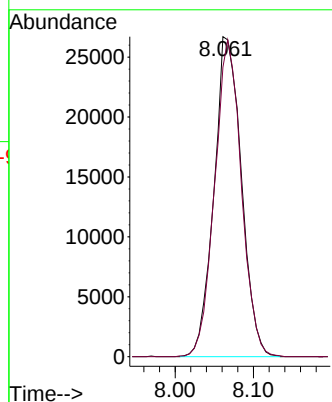
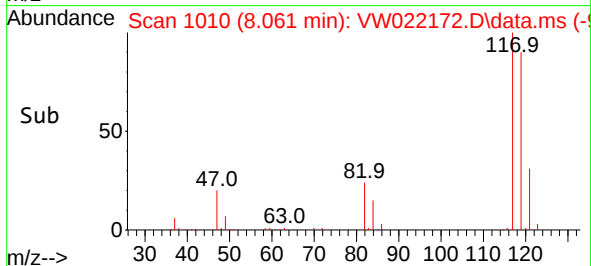


#31  
Carbon tetrachloride  
Concen: 24.229 ug/L  
RT: 8.061 min Scan# 1011  
Delta R.T. -0.006 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

Instrument :  
MSVOA\_W  
ClientSampleId :

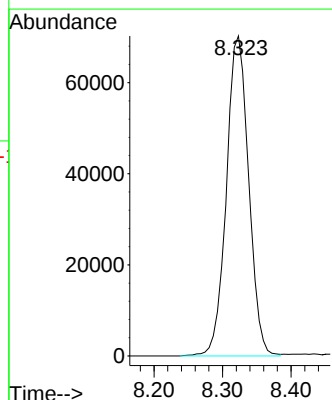
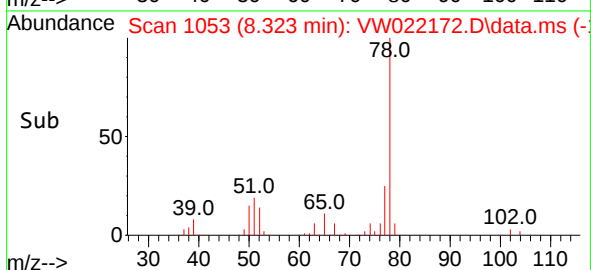
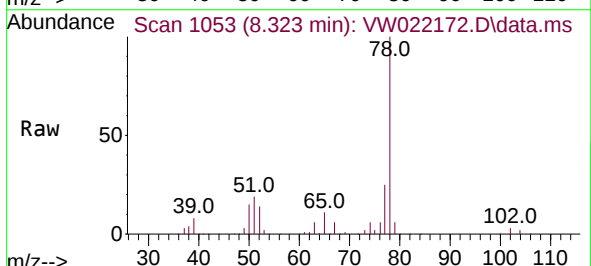


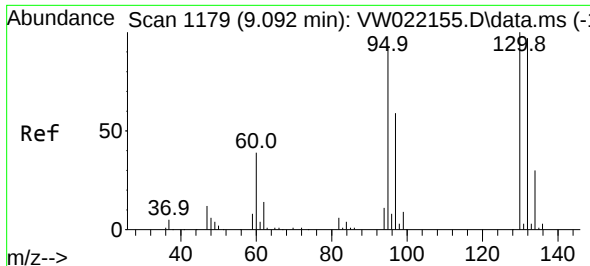
Tgt Ion:117 Resp: 64851  
Ion Ratio Lower Upper  
117 100  
119 96.8 76.7 115.1



#33  
Benzene  
Concen: 23.418 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

Tgt Ion: 78 Resp: 158485





#34

Trichloroethene

Concen: 23.537 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

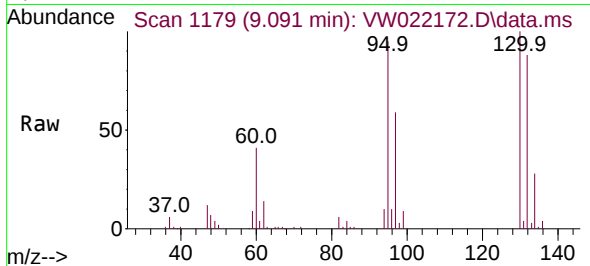
Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 45608

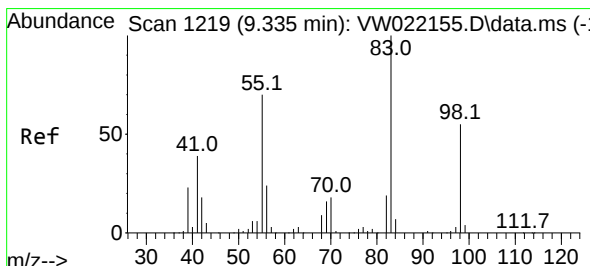
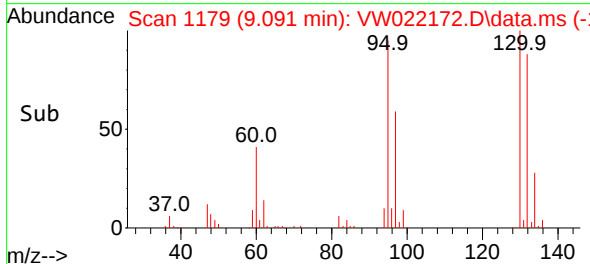
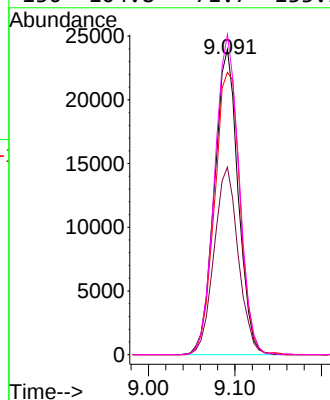
Ion Ratio Lower Upper

95 100

97 61.4 44.4 82.4

132 92.5 71.7 133.1

130 104.8 71.7 133.1



#35

Methylcyclohexane

Concen: 23.199 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

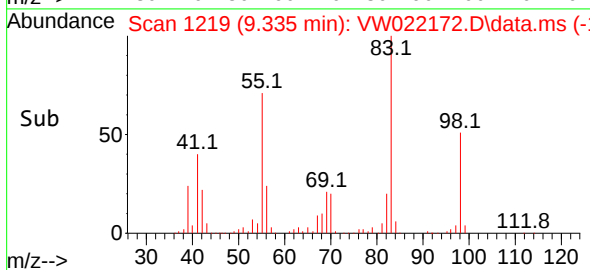
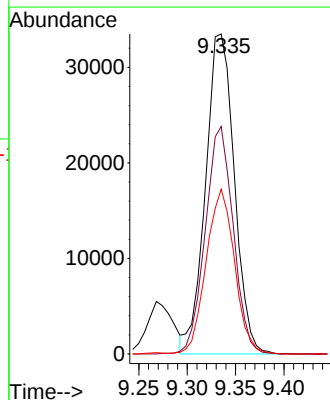
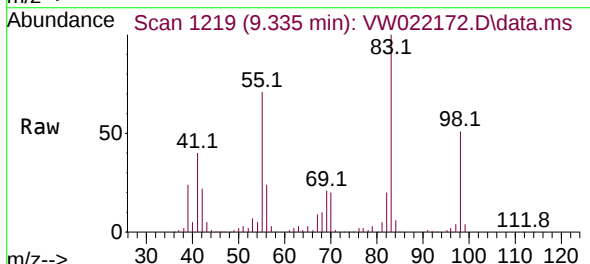
Tgt Ion: 83 Resp: 69533

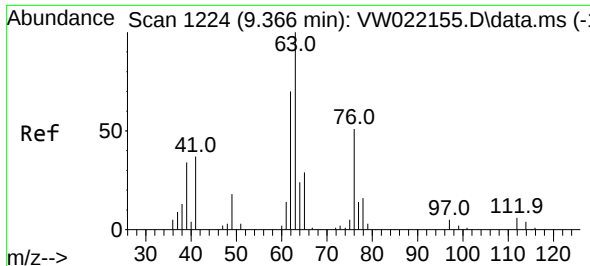
Ion Ratio Lower Upper

83 100

55 68.8 53.8 80.8

98 50.6 42.1 63.1





#37

1,2-Dichloropropane

Concen: 23.817 ug/L

RT: 9.366 min Scan# 1224

Delta R.T. -0.000 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

Instrument :

MSVOA\_W

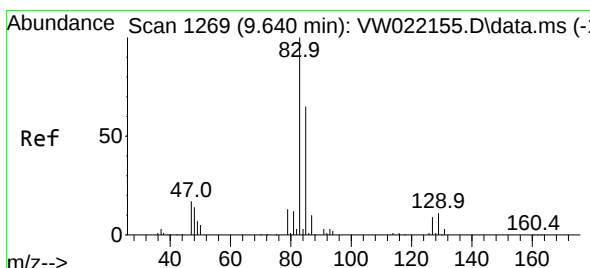
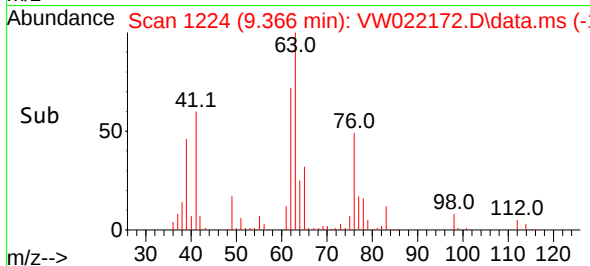
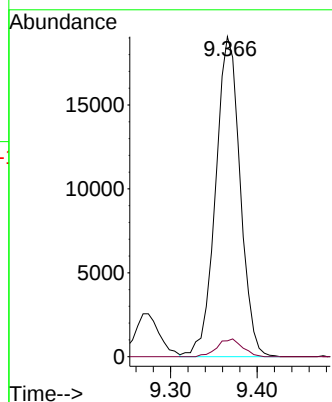
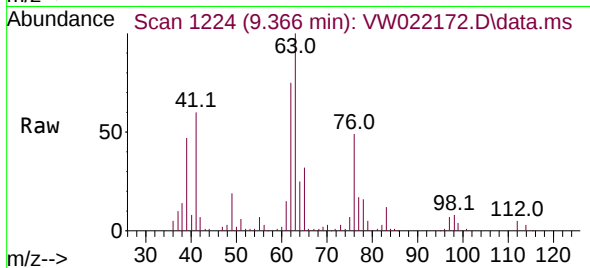
ClientSampleId :

Tgt Ion: 63 Resp: 37604

Ion Ratio Lower Upper

63 100

112 5.7 4.1 6.1



#38

Bromodichloromethane

Concen: 24.652 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. -0.000 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

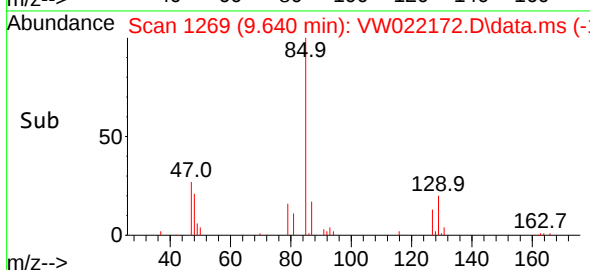
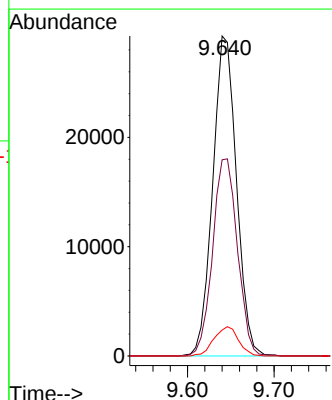
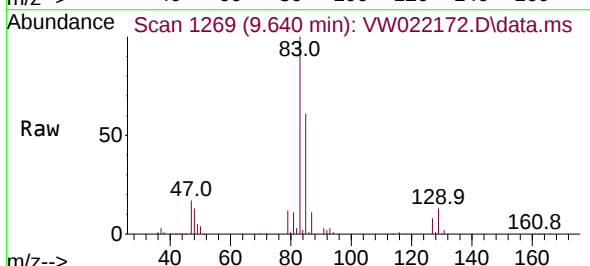
Tgt Ion: 83 Resp: 55815

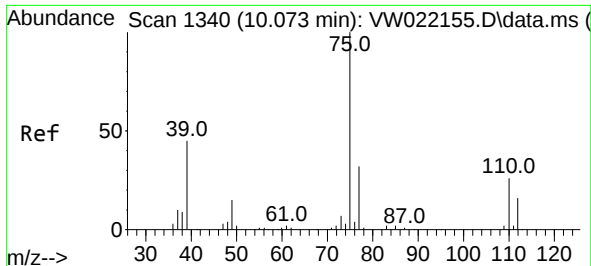
Ion Ratio Lower Upper

83 100

85 61.3 47.9 89.1

127 8.1 7.5 11.3

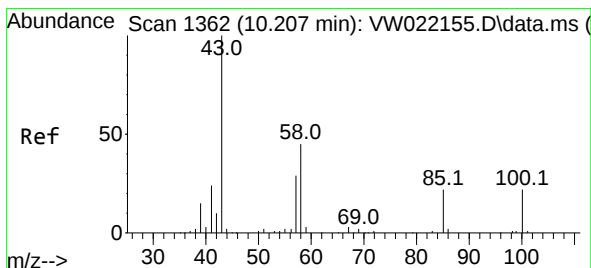
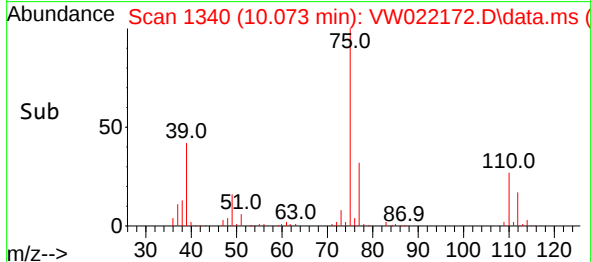
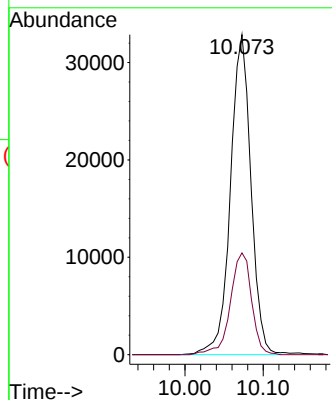
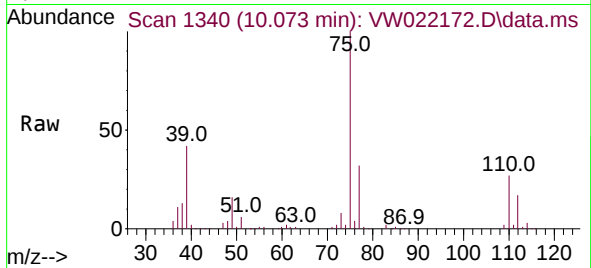




#39  
cis-1,3-Dichloropropene  
Concen: 24.878 ug/L  
RT: 10.073 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

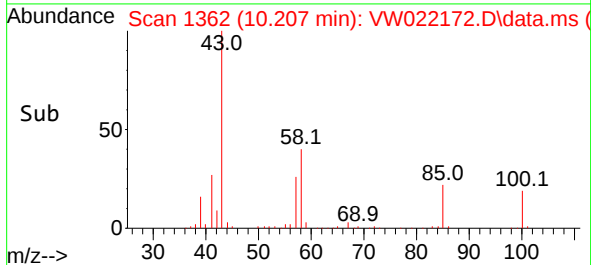
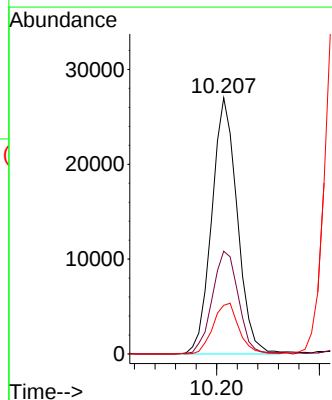
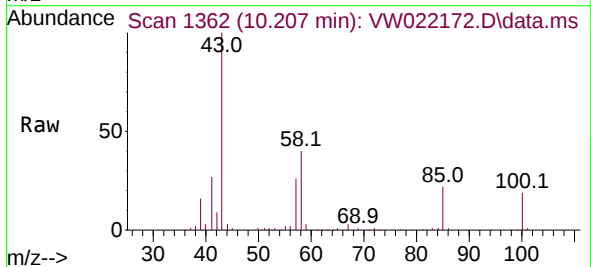
Instrument :  
MSVOA\_W  
ClientSampleId :

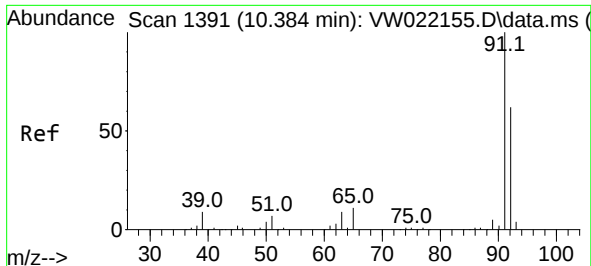
Tgt Ion: 75 Resp: 59706  
Ion Ratio Lower Upper  
75 100  
77 31.8 20.6 38.2



#40  
4-Methyl-2-pentanone  
Concen: 54.542 ug/L  
RT: 10.207 min Scan# 1362  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

Tgt Ion: 43 Resp: 46504  
Ion Ratio Lower Upper  
43 100  
58 40.6 33.2 49.8  
100 20.0 16.1 24.1

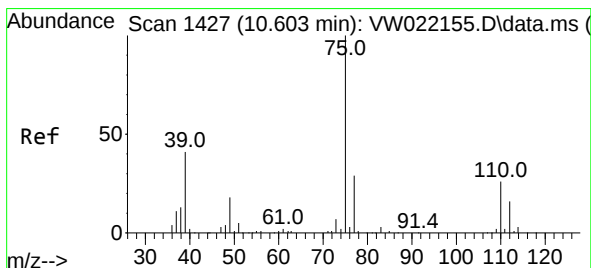
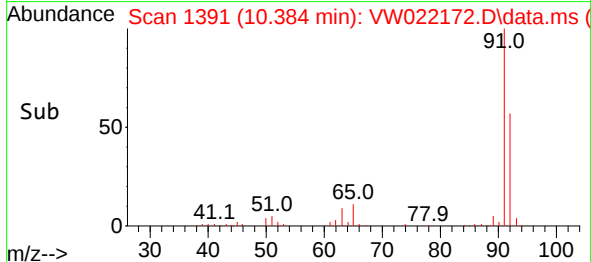
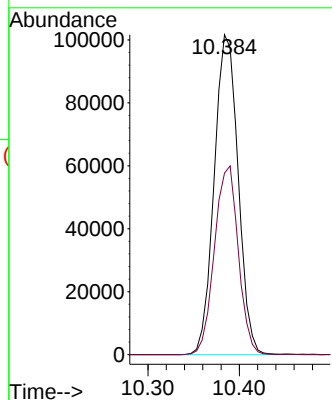
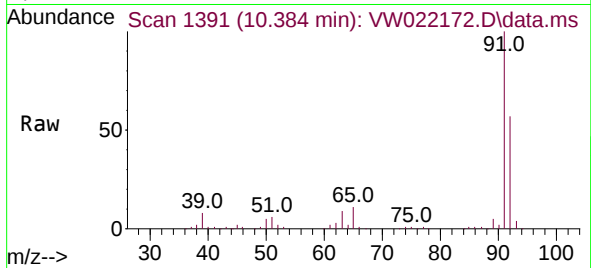




#42  
Toluene  
Concen: 24.132 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

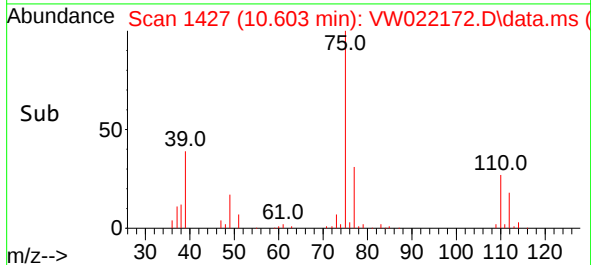
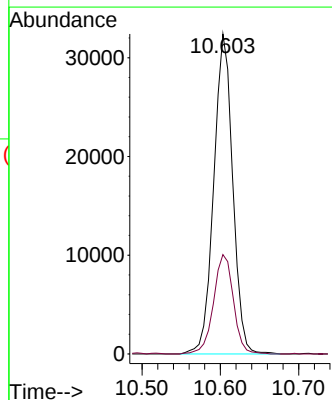
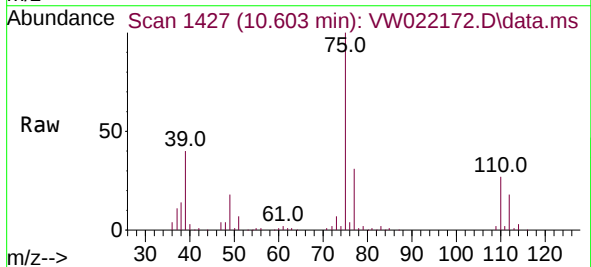
Instrument :  
MSVOA\_W  
ClientSampleId :

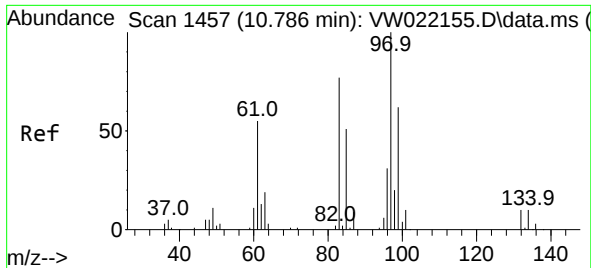
Tgt Ion: 91 Resp: 184845  
Ion Ratio Lower Upper  
91 100  
92 56.7 40.4 75.0



#44  
trans-1,3-Dichloropropene  
Concen: 25.282 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

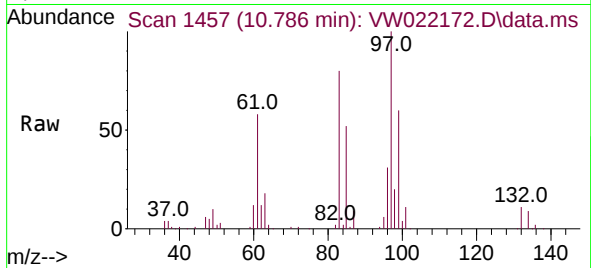
Tgt Ion: 75 Resp: 54525  
Ion Ratio Lower Upper  
75 100  
77 31.0 22.0 40.8





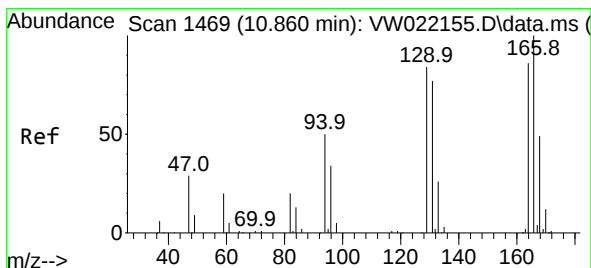
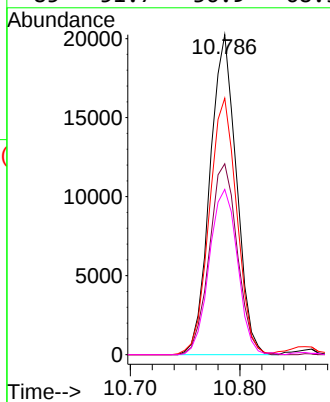
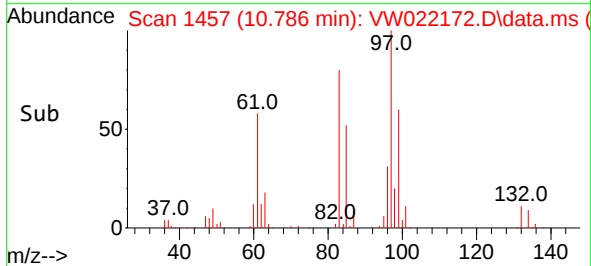
#45  
1,1,2-Trichloroethane  
Concen: 24.222 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

Instrument :  
MSVOA\_W  
ClientSampleId :

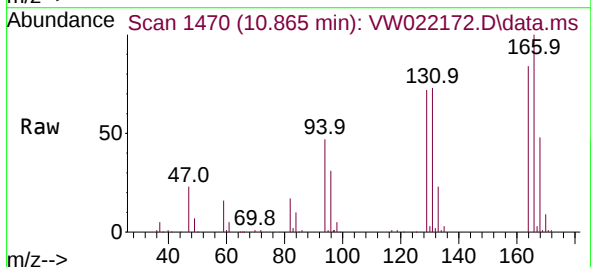


Tgt Ion: 97 Resp: 33912

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 59.6  | 43.5  | 80.7  |
| 83  | 80.2  | 53.5  | 99.3  |
| 85  | 51.7  | 36.9  | 68.5  |

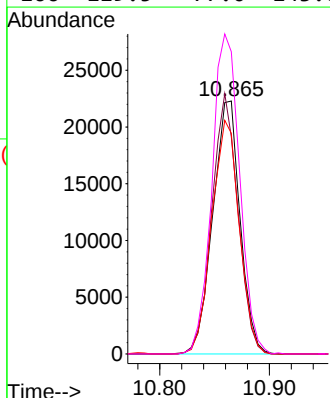
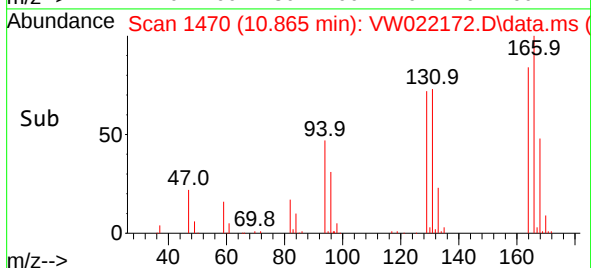


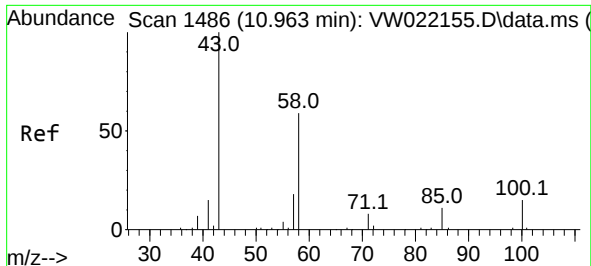
#46  
Tetrachloroethene  
Concen: 22.692 ug/L  
RT: 10.865 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36



Tgt Ion: 164 Resp: 38519

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 85.9  | 60.3  | 111.9 |
| 131 | 87.2  | 59.9  | 111.3 |
| 166 | 119.5 | 77.0  | 143.0 |

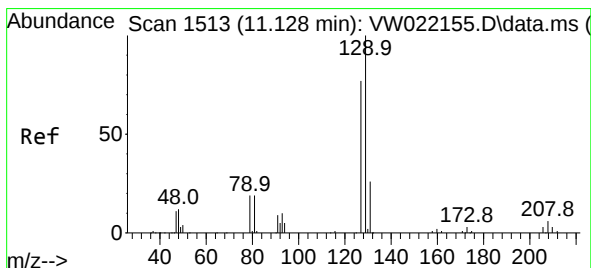
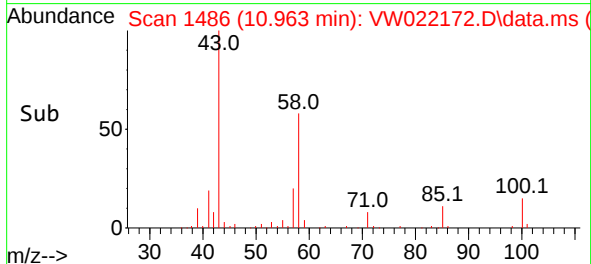
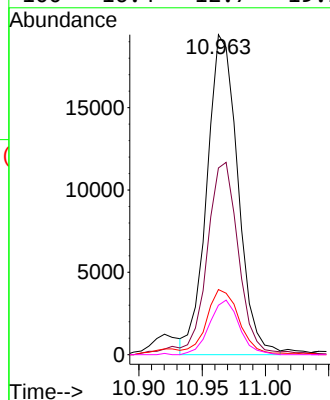
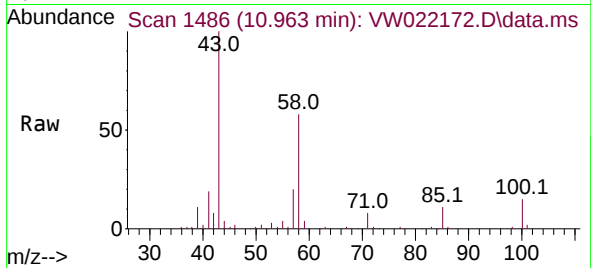




#48  
2-Hexanone  
Concen: 55.906 ug/L  
RT: 10.963 min Scan# 1486  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

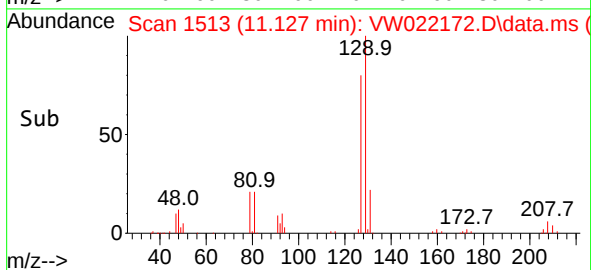
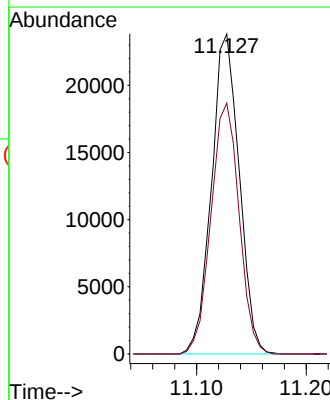
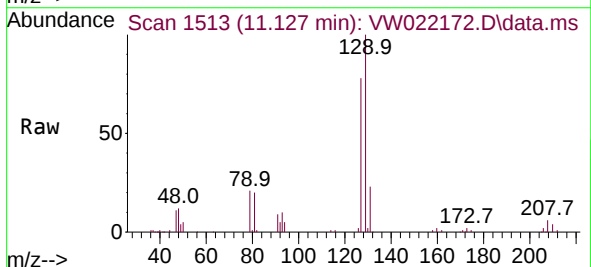
Instrument :  
MSVOA\_W  
ClientSampleId :

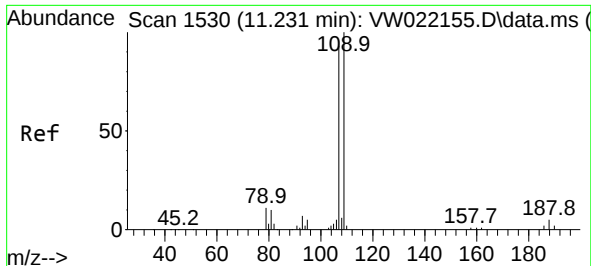
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 33084 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 60.5     | 44.6 66.8   |
| 57 20.7     | 15.8 23.8   |
| 100 16.4    | 12.7 19.1   |



#49  
Dibromochloromethane  
Concen: 24.627 ug/L  
RT: 11.127 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:129 | Resp: | 41880 |       |
| Ion         | Ratio | Lower | Upper |
| 129         | 100   |       |       |
| 127         | 78.4  | 54.5  | 101.1 |





#50

1,2-Dibromoethane

Concen: 24.782 ug/L

RT: 11.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022172.D

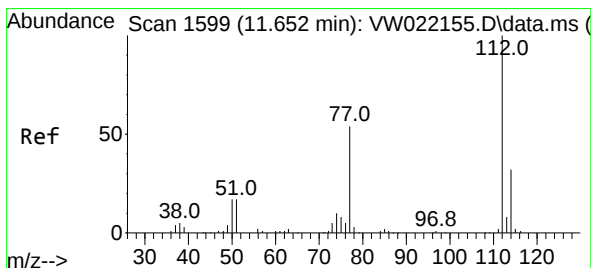
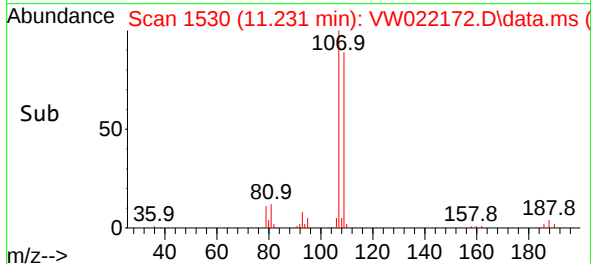
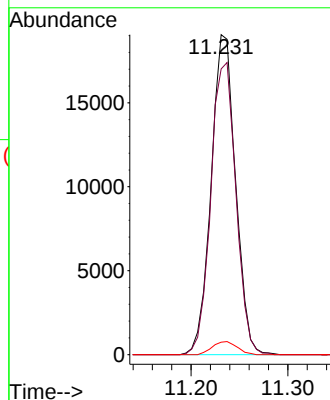
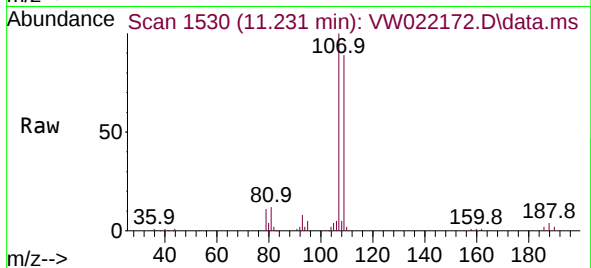
Acq: 03 Mar 2022 18:36

Instrument :

MSVOA\_W

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 33465 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 109       | 89.3  | 66.8  | 124.2 |
| 188       | 3.9   | 2.6   | 4.0   |



#51

Chlorobenzene

Concen: 23.828 ug/L

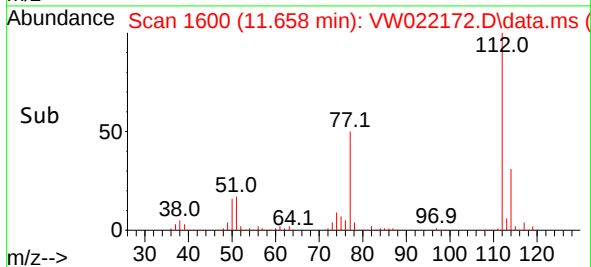
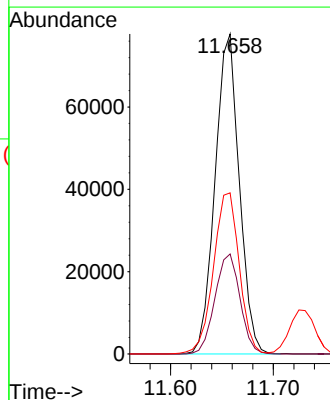
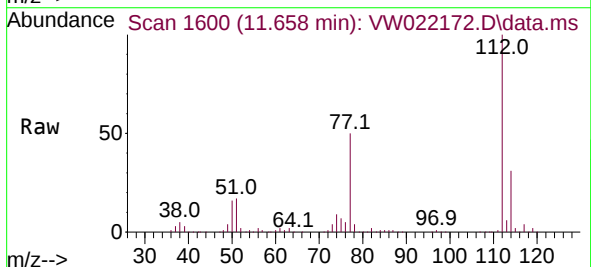
RT: 11.658 min Scan# 1600

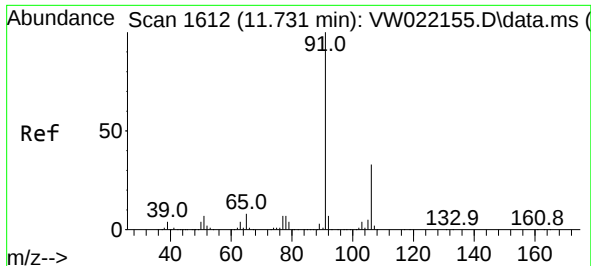
Delta R.T. 0.006 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 127020 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 114       | 31.3  | 23.0  | 42.8   |
| 77        | 50.4  | 41.8  | 62.6   |





#52

Ethylbenzene

Concen: 24.694 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

Instrument :

MSVOA\_W

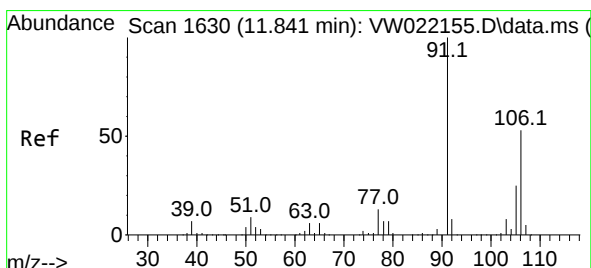
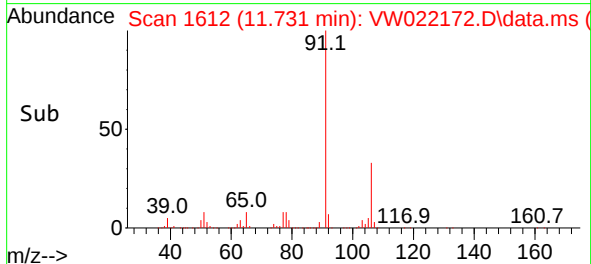
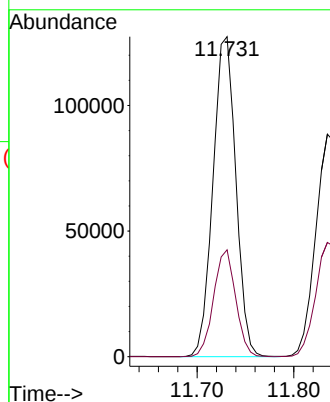
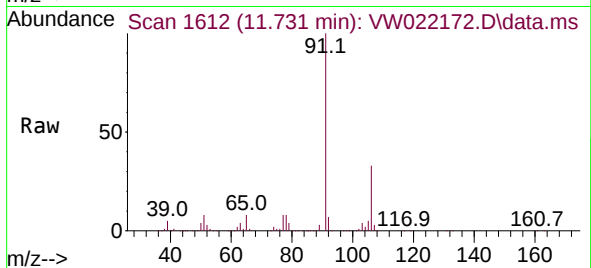
ClientSampleId :

Tgt Ion: 91 Resp: 209340

Ion Ratio Lower Upper

91 100

106 33.4 22.8 42.4



#53

m,p-Xylene

Concen: 24.911 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.006 min

Lab File: VW022172.D

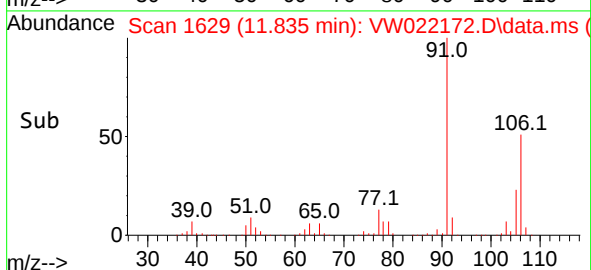
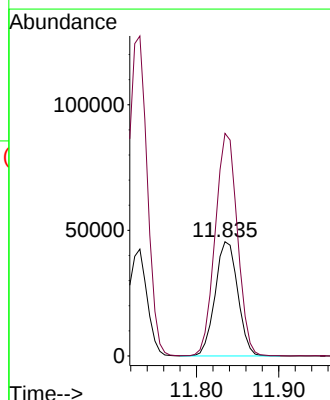
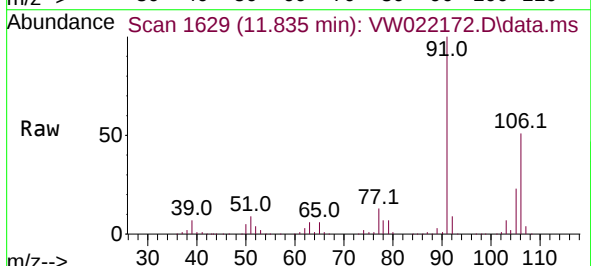
Acq: 03 Mar 2022 18:36

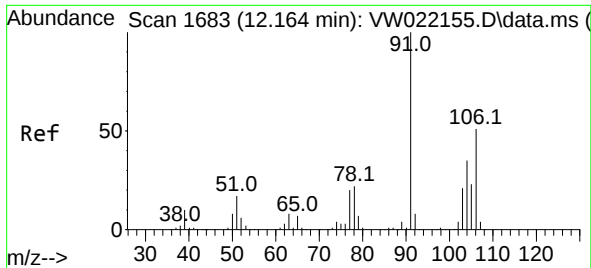
Tgt Ion:106 Resp: 86894

Ion Ratio Lower Upper

106 100

91 194.9 135.0 250.8

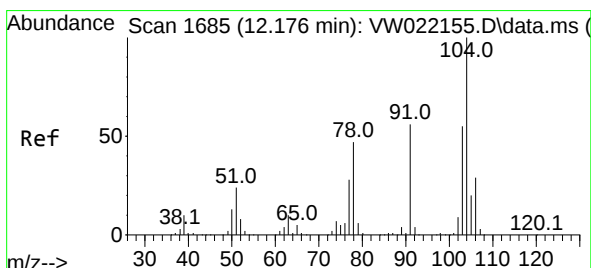
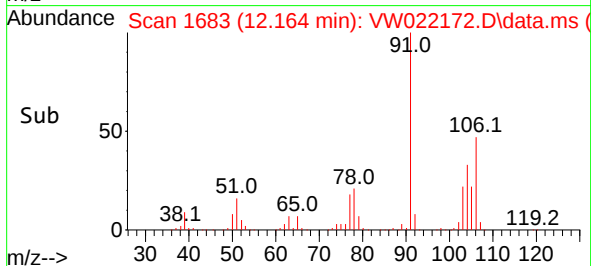
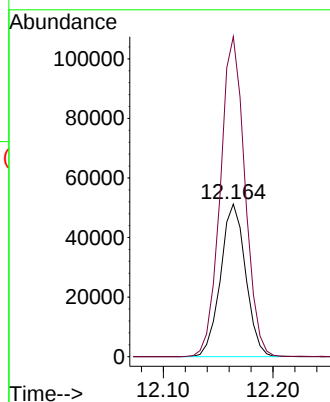
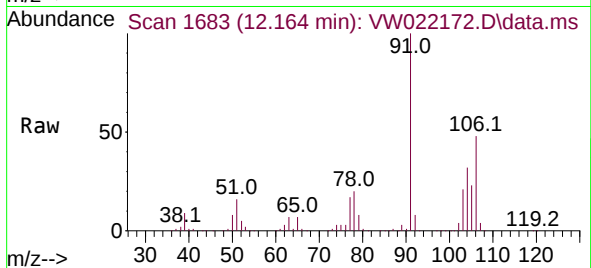




#54  
o-Xylene  
Concen: 24.819 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

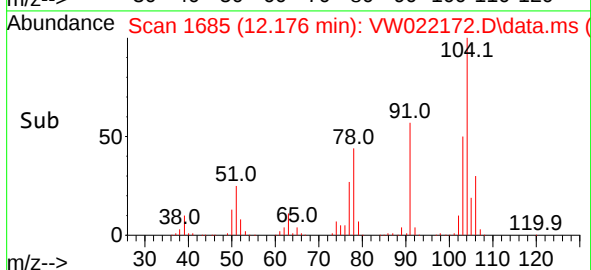
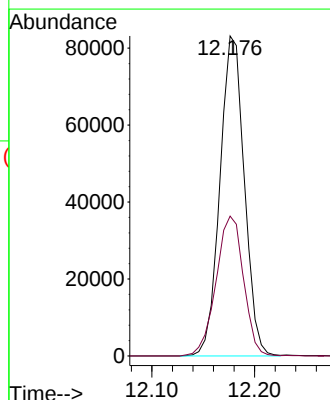
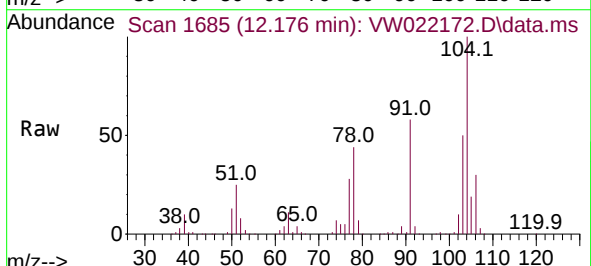
Instrument :  
MSVOA\_W  
ClientSampleId :

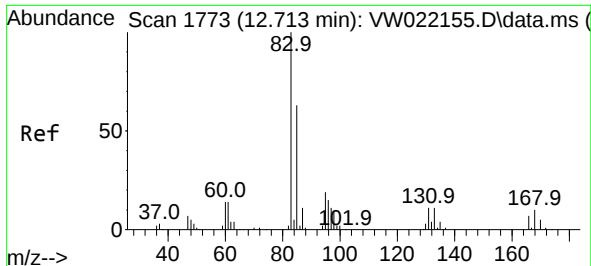
Tgt Ion:106 Resp: 81459  
Ion Ratio Lower Upper  
106 100  
91 209.7 136.9 254.3



#55  
Styrene  
Concen: 24.919 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

Tgt Ion:104 Resp: 137112  
Ion Ratio Lower Upper  
104 100  
78 43.7 27.8 51.6





#57

1,1,2-Tetrachloroethane

Concen: 25.933 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022172.D

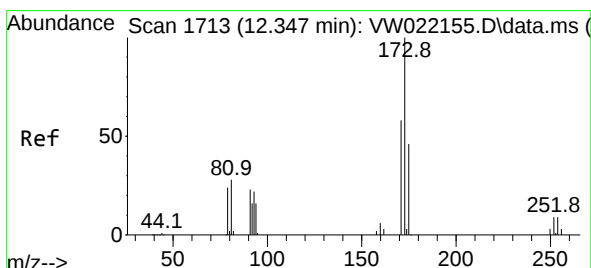
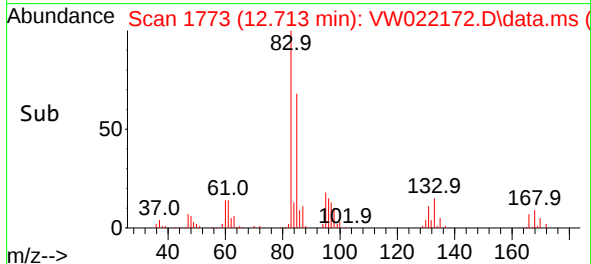
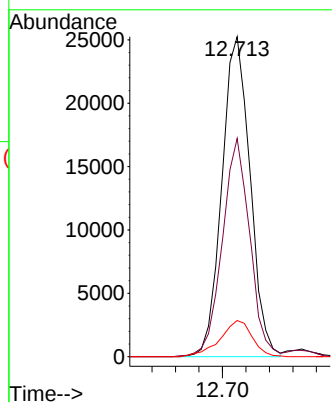
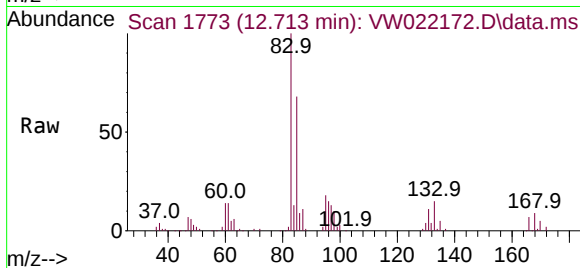
Acq: 03 Mar 2022 18:36

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 42126 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 68.2  | 44.2  | 82.0  |
| 131      | 11.3  | 9.4   | 14.0  |



#59

Bromoform

Concen: 23.399 ug/L

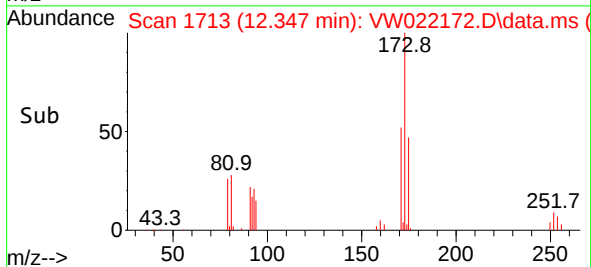
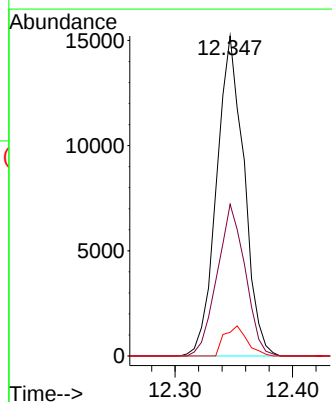
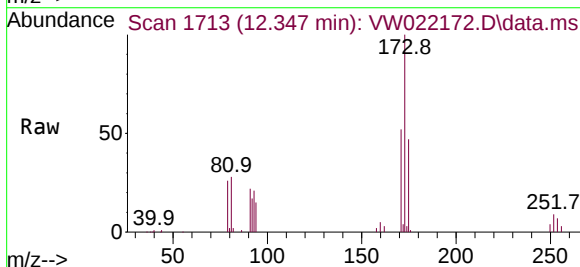
RT: 12.347 min Scan# 1713

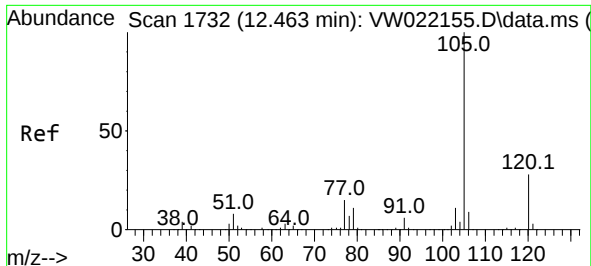
Delta R.T. -0.000 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 24663 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.4  | 38.2  | 57.4  |
| 254      | 7.8   | 5.0   | 7.6#  |

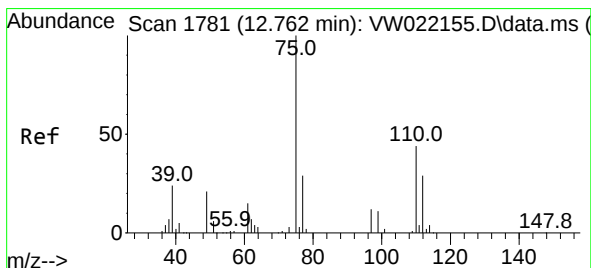
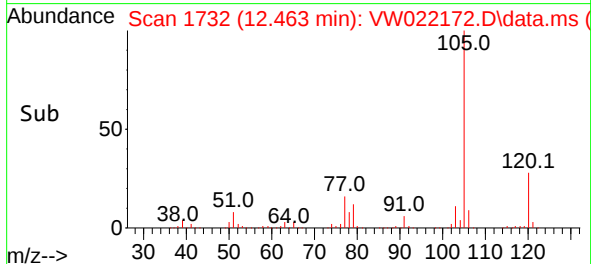
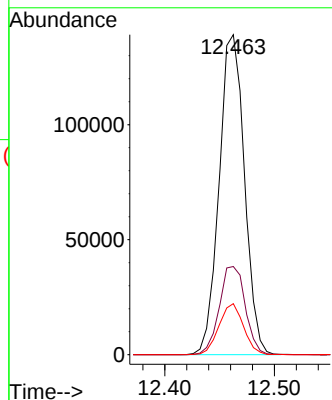
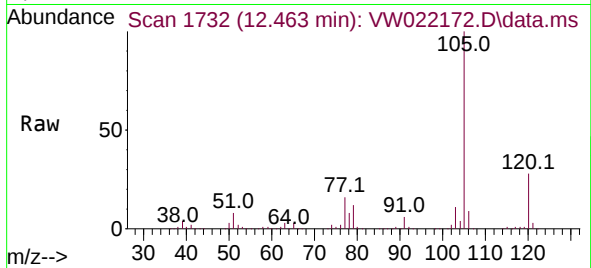




#60  
Isopropylbenzene  
Concen: 23.360 ug/L  
RT: 12.463 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

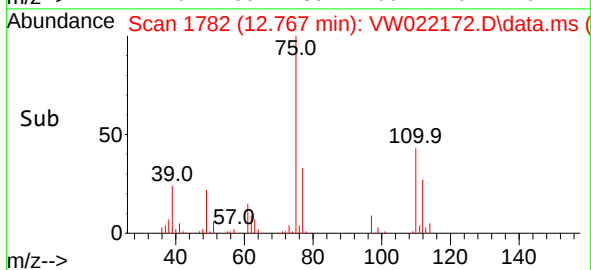
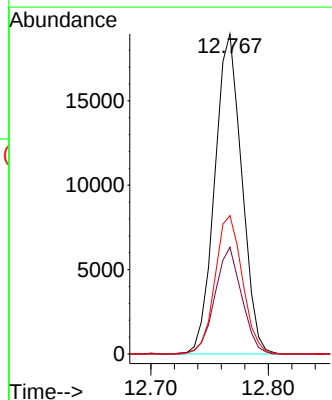
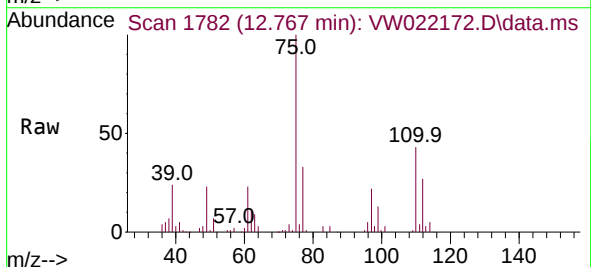
Instrument :  
MSVOA\_W  
ClientSampleId :

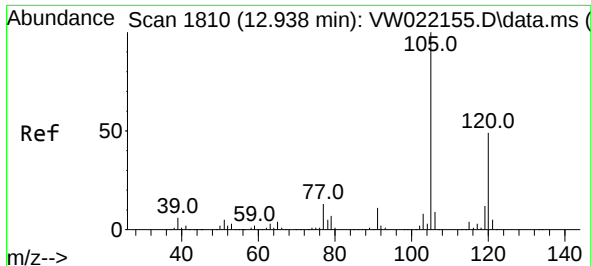
Tgt Ion:105 Resp: 223502  
Ion Ratio Lower Upper  
105 100  
120 28.3 22.1 33.1  
77 15.4 12.0 18.0



#61  
1,2,3-Trichloropropane  
Concen: 24.114 ug/L  
RT: 12.767 min Scan# 1782  
Delta R.T. 0.006 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

Tgt Ion: 75 Resp: 30334  
Ion Ratio Lower Upper  
75 100  
77 33.1 27.1 40.7  
110 43.7 36.7 55.1





#62

1,3,5-Trimethylbenzene

Concen: 24.872 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

Instrument :

MSVOA\_W

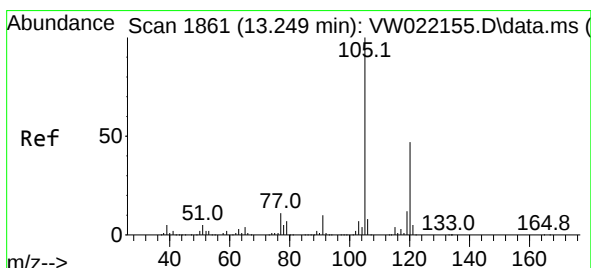
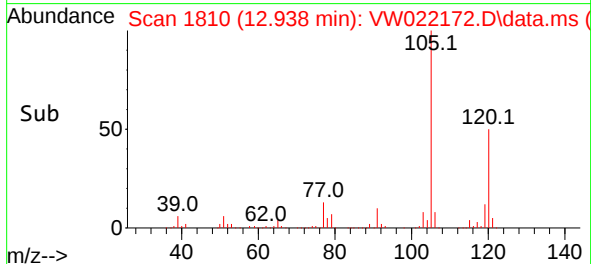
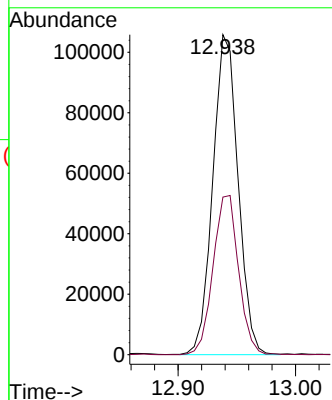
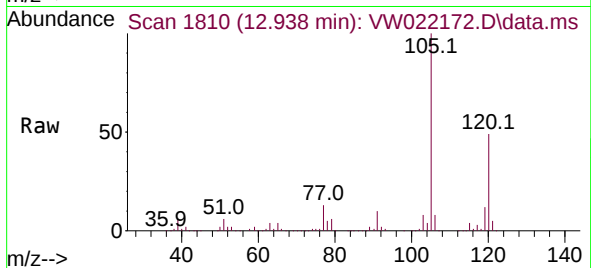
ClientSampleId :

Tgt Ion:105 Resp: 158241

Ion Ratio Lower Upper

105 100

120 50.2 41.5 62.3



#63

1,2,4-Trimethylbenzene

Concen: 24.759 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW022172.D

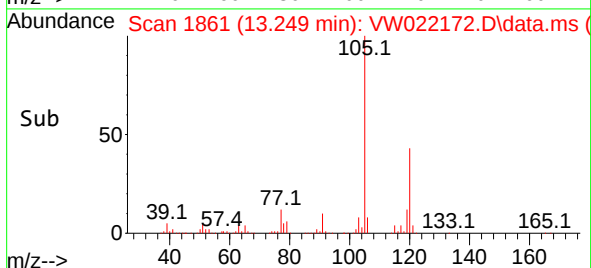
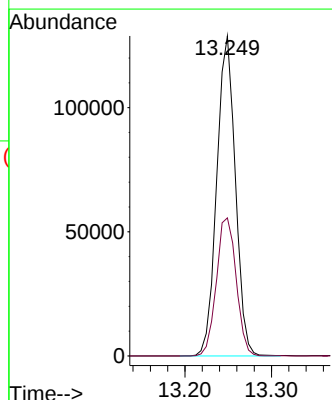
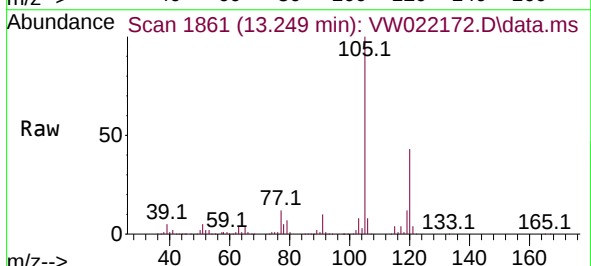
Acq: 03 Mar 2022 18:36

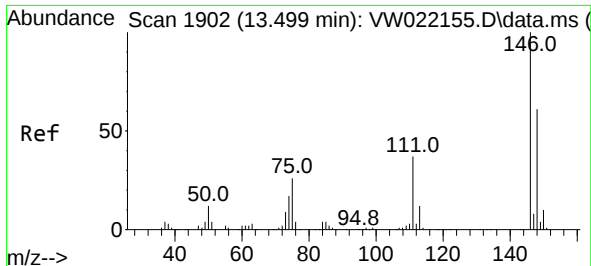
Tgt Ion:105 Resp: 192510

Ion Ratio Lower Upper

105 100

120 45.9 39.2 58.8

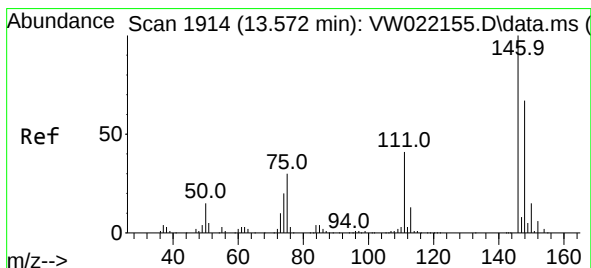
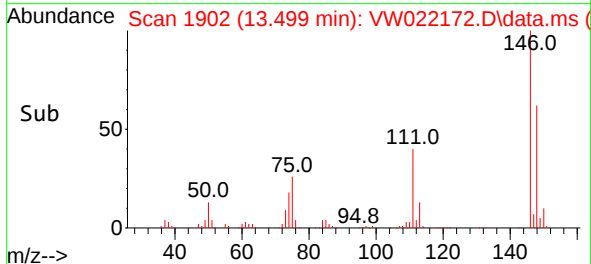
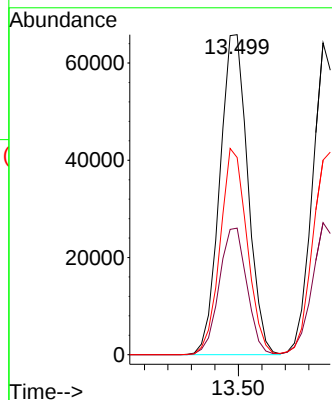
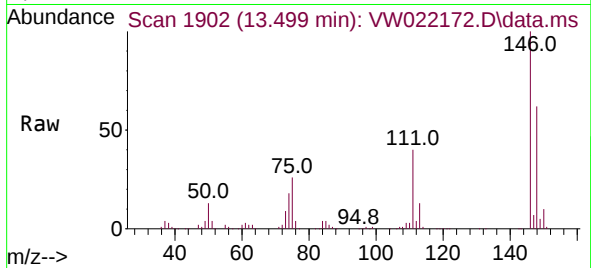




#64  
1,3-Dichlorobenzene  
Concen: 23.020 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

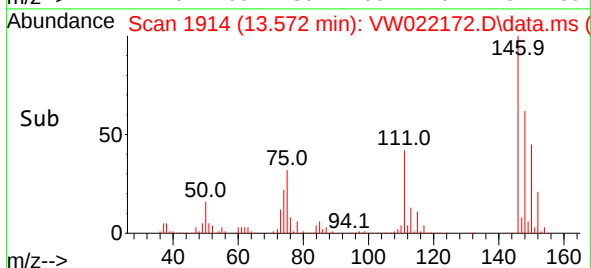
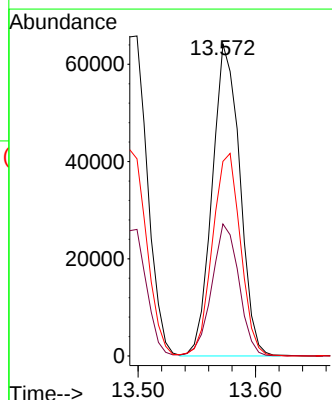
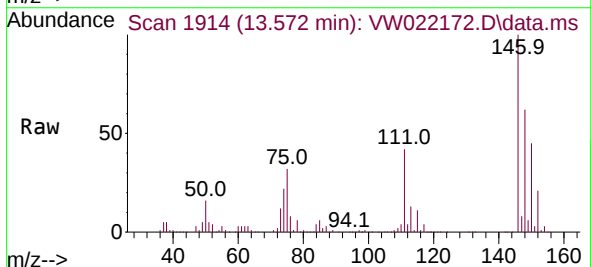
Instrument :  
MSVOA\_W  
ClientSampleId :

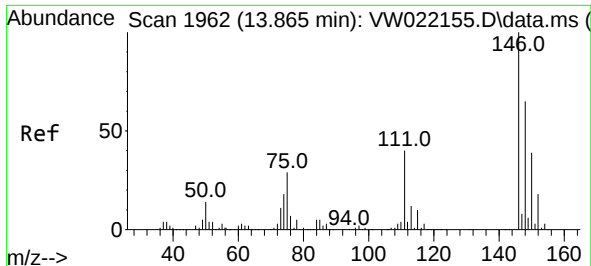
Tgt Ion:146 Resp: 109258  
Ion Ratio Lower Upper  
146 100  
111 39.6 26.9 49.9  
148 61.6 41.6 77.2



#65  
1,4-Dichlorobenzene  
Concen: 22.040 ug/L  
RT: 13.572 min Scan# 1914  
Delta R.T. -0.000 min  
Lab File: VW022172.D  
Acq: 03 Mar 2022 18:36

Tgt Ion:146 Resp: 104830  
Ion Ratio Lower Upper  
146 100  
111 42.3 27.5 51.1  
148 62.4 42.9 79.7





#67

1,2-Dichlorobenzene

Concen: 24.130 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

Instrument :

MSVOA\_W

ClientSampleId :

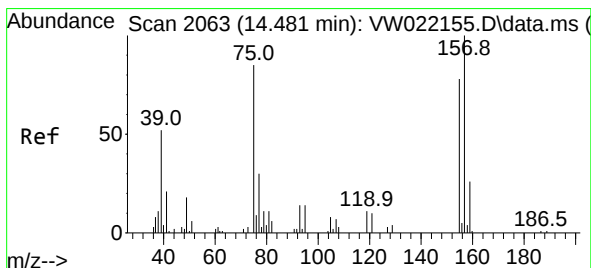
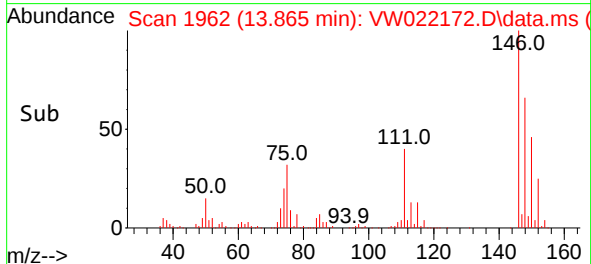
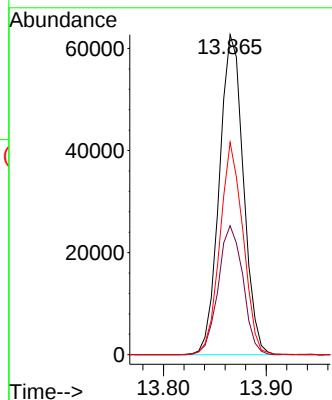
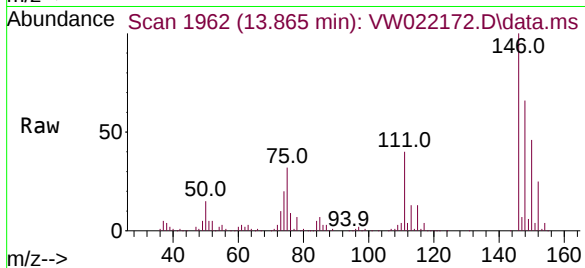
Tgt Ion:146 Resp: 101826

Ion Ratio Lower Upper

146 100

111 40.3 34.8 52.2

148 66.3 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 24.153 ug/L

RT: 14.480 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

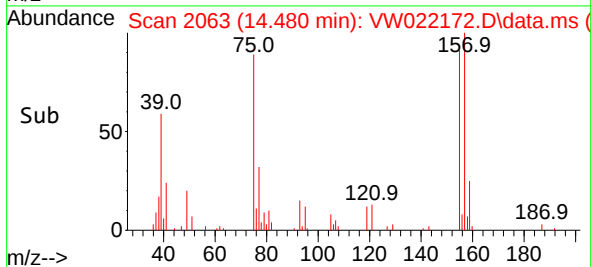
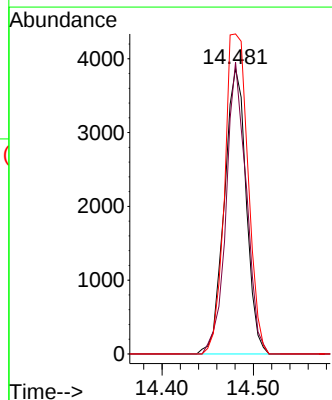
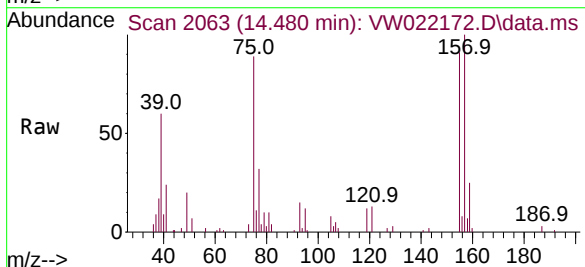
Tgt Ion: 75 Resp: 6423

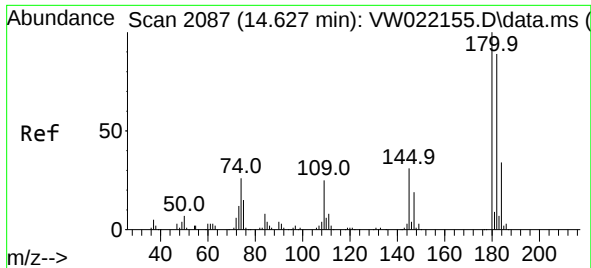
Ion Ratio Lower Upper

75 100

155 102.3 58.2 87.2#

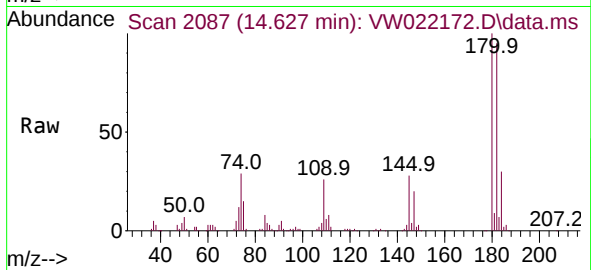
157 112.2 80.5 120.7



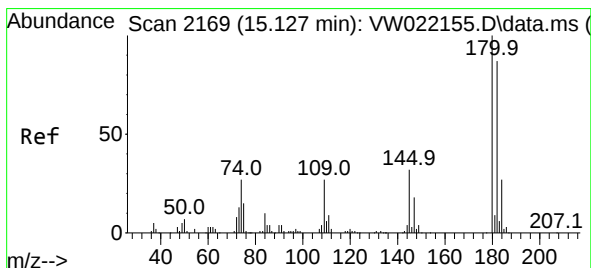
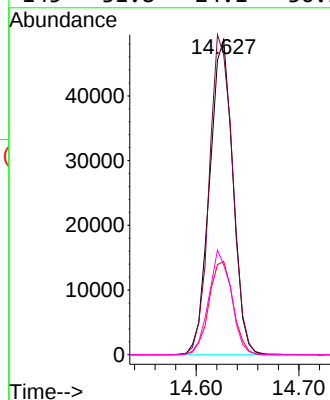
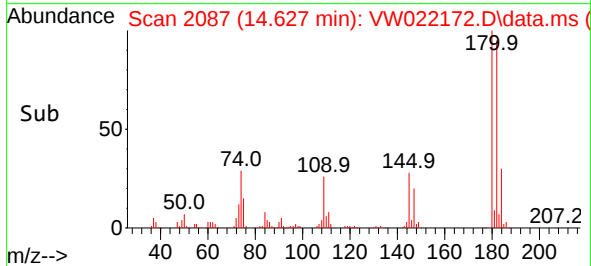


#69  
 1,3,5-Trichlorobenzene  
 Concen: 22.545 ug/L  
 RT: 14.627 min Scan# 2087  
 Delta R.T. -0.000 min  
 Lab File: VW022172.D  
 Acq: 03 Mar 2022 18:36

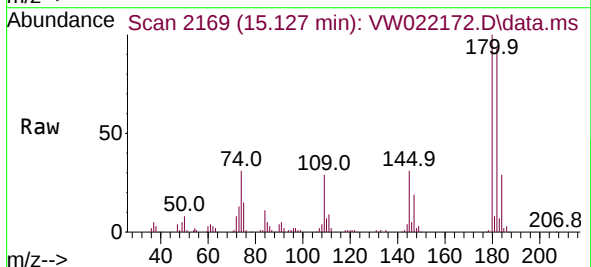
Instrument :  
 MSVOA\_W  
 ClientSampleId :



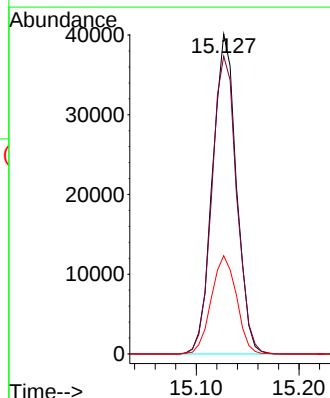
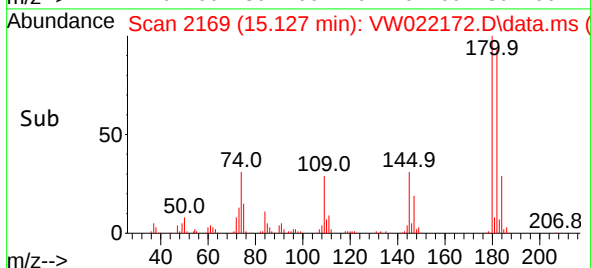
Tgt Ion:180 Resp: 76801  
 Ion Ratio Lower Upper  
 180 100  
 182 101.0 69.4 104.0  
 184 30.5 21.8 32.8  
 145 31.8 24.1 36.1

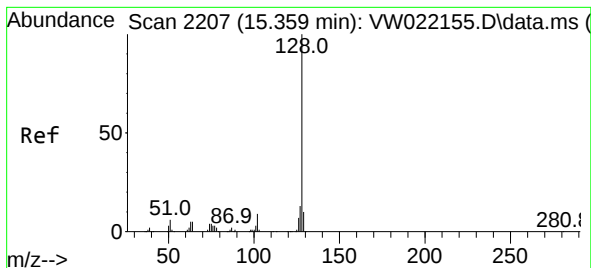


#70  
 1,2,4-trichlorobenzene  
 Concen: 25.123 ug/L  
 RT: 15.127 min Scan# 2169  
 Delta R.T. -0.000 min  
 Lab File: VW022172.D  
 Acq: 03 Mar 2022 18:36



Tgt Ion:180 Resp: 64755  
 Ion Ratio Lower Upper  
 180 100  
 182 96.6 77.8 116.6  
 145 32.3 25.8 38.6





#71

Naphthalene

Concen: 27.055 ug/L

RT: 15.358 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

Instrument :

MSVOA\_W

ClientSampleId :

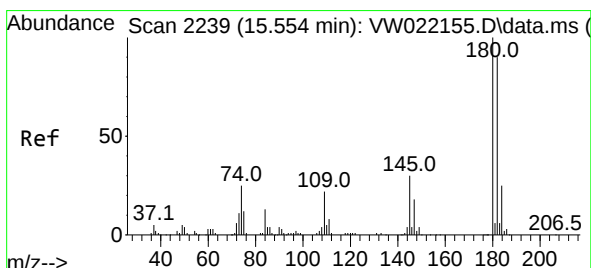
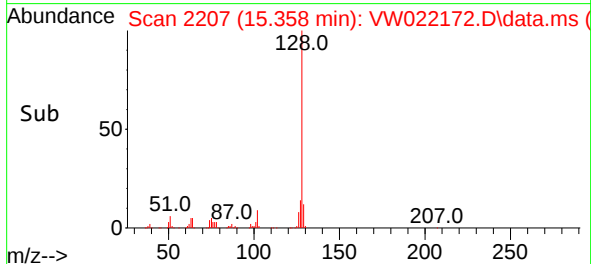
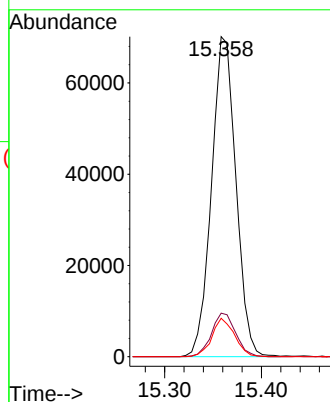
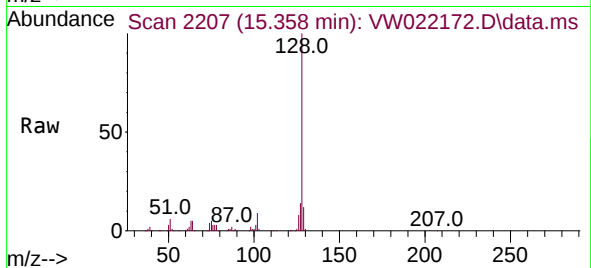
Tgt Ion:128 Resp: 123106

Ion Ratio Lower Upper

128 100

127 13.5 11.0 16.6

129 11.1 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 25.861 ug/L

RT: 15.547 min Scan# 2238

Delta R.T. -0.006 min

Lab File: VW022172.D

Acq: 03 Mar 2022 18:36

Tgt Ion:180 Resp: 57656

Ion Ratio Lower Upper

180 100

182 97.0 79.0 118.4

145 34.0 28.0 42.0

