

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031122\  
 Data File : VW022308.D  
 Acq On : 11 Mar 2022 18:32  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 11 21:06:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022322SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 11 21:01:07 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 132136   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 128490   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 78354    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 43571    | 25.281   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 101.120% |
| 7) Chloroethane-d5            | 2.879  | 69    | 37423    | 27.597   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 110.400% |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 56646    | 21.463   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 85.840%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 18081    | 62.397   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 124.800% |
| 24) Chloroform-d              | 7.647  | 84    | 77629    | 26.331   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 105.320% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 39900    | 26.036   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 104.160% |
| 32) Benzene-d6                | 8.275  | 84    | 142439   | 23.819   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 95.280%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 41163    | 24.787   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 99.160%  |
| 41) Toluene-d8                | 10.323 | 98    | 140628   | 23.654   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 94.600%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 18228    | 24.755   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 99.040%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 16230    | 59.421   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 118.840% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 43329    | 29.729   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 118.920% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 61526    | 24.447   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 97.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 13226    | 35.815   | ug/L   | 94       |
| 3) Chloromethane              | 2.215  | 50    | 29651    | 23.432   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.355  | 62    | 49014    | 25.779   | ug/L   | 97       |
| 6) Bromomethane               | 2.770  | 94    | 35418    | 26.672   | ug/L   | 96       |
| 8) Chloroethane               | 2.916  | 64    | 30800    | 28.836   | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 27520    | 21.319   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 40205    | 25.528   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.032  | 96    | 31745    | 23.257   | ug/L   | 89       |
| 13) Acetone                   | 4.123  | 43    | 12139    | 51.290   | ug/L   | 95       |
| 14) Carbon disulfide          | 4.373  | 76    | 58749    | 16.601   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.666  | 43    | 15372    | 28.850   | ug/L # | 86       |
| 16) Methylene chloride        | 4.915  | 84    | 39842    | 24.565   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.421  | 96    | 34942    | 23.307   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 59485    | 29.164   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 6.208  | 63    | 67303    | 27.729   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 43373    | 26.706   | ug/L   | 97       |
| 22) 2-Butanone                | 7.171  | 43    | 21145    | 62.195   | ug/L   | 93       |
| 23) Bromochloromethane        | 7.506  | 128   | 20834    | 26.261   | ug/L   | 92       |
| 25) Chloroform                | 7.677  | 83    | 79484    | 28.067   | ug/L   | 94       |

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 Sample : VSTDCCC025  
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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

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 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 11 21:01:07 2022  
 Response via : Initial Calibration

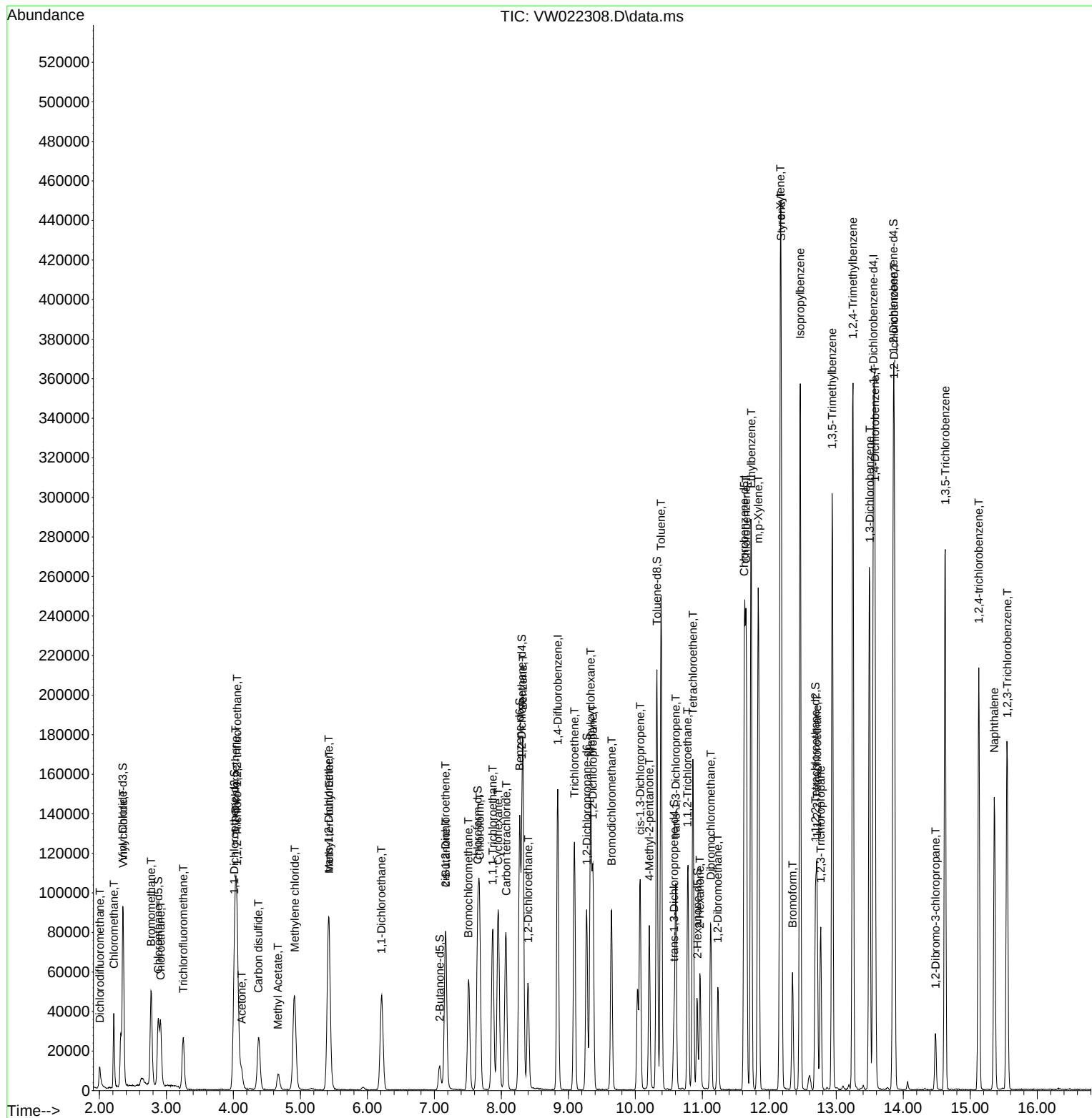
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 48298    | 27.689 | ug/L   | 98       |
| 29) Cyclohexane               | 7.952  | 56   | 47147    | 22.049 | ug/L   | 100      |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 65793    | 25.451 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 62843    | 25.579 | ug/L   | 97       |
| 33) Benzene                   | 8.323  | 78   | 155980   | 25.109 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 43132    | 24.249 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.335  | 83   | 61412    | 22.322 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 39413    | 27.195 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.646  | 83   | 59025    | 28.401 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 60788    | 27.594 | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 47957    | 61.275 | ug/L   | 100      |
| 42) Toluene                   | 10.384 | 91   | 183712   | 26.129 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 55238    | 27.903 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.780 | 97   | 35957    | 27.979 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.860 | 164  | 36266    | 23.275 | ug/L   | 88       |
| 48) 2-Hexanone                | 10.963 | 43   | 34961    | 64.361 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 45737    | 29.300 | ug/L   | 92       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 33779    | 27.251 | ug/L   | 93       |
| 51) Chlorobenzene             | 11.652 | 112  | 127232   | 26.002 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.731 | 91   | 207257   | 26.635 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.835 | 106  | 83844    | 26.186 | ug/L   | 99       |
| 54) o-Xylene                  | 12.164 | 106  | 84187    | 27.944 | ug/L   | 94       |
| 55) Styrene                   | 12.176 | 104  | 143589   | 28.430 | ug/L   | 90       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 44890    | 30.105 | ug/L   | 98       |
| 59) Bromoform                 | 12.347 | 173  | 26204    | 25.290 | ug/L # | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 231837   | 24.648 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 32660    | 26.410 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 161929   | 25.890 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 199769   | 26.135 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 117702   | 25.226 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 114948   | 24.584 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 108444   | 26.141 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 7052     | 26.975 | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 83906    | 25.054 | ug/L   | 90       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 68123    | 26.884 | ug/L   | 94       |
| 71) Naphthalene               | 15.359 | 128  | 129222   | 28.888 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 58972    | 26.906 | ug/L   | 98       |

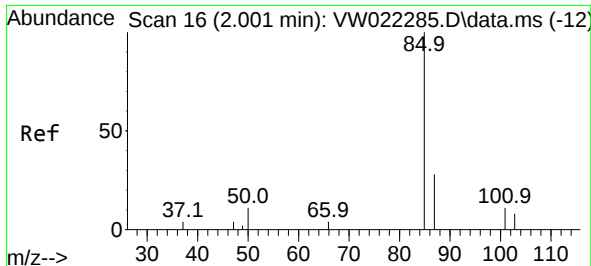
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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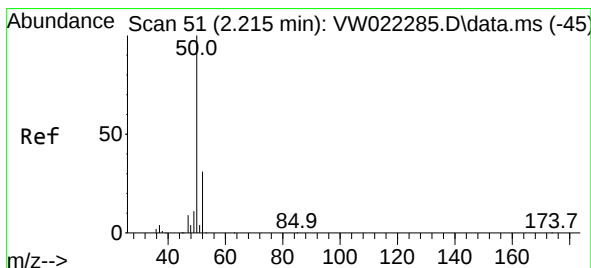
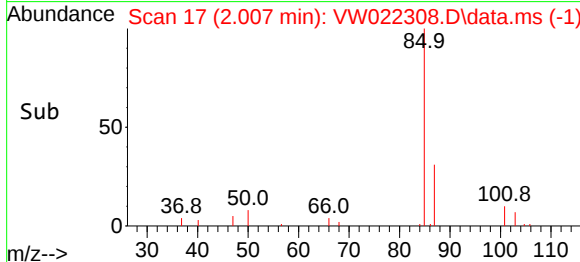
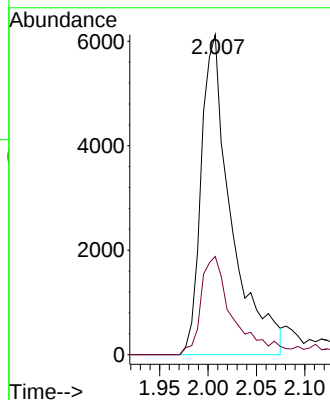
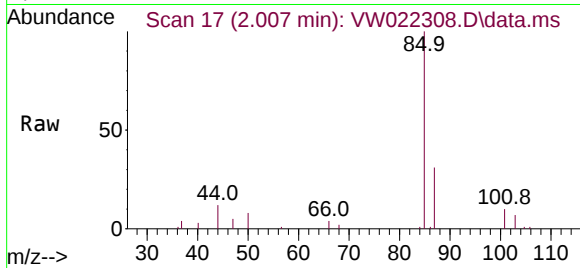




#2  
Dichlorodifluoromethane  
Concen: 35.815 ug/L  
RT: 2.007 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

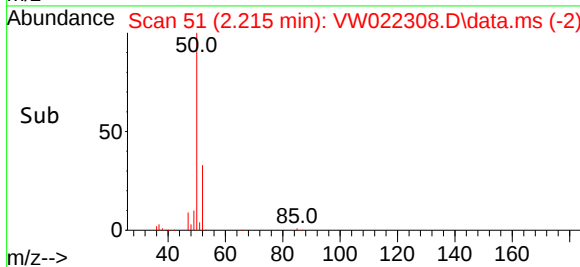
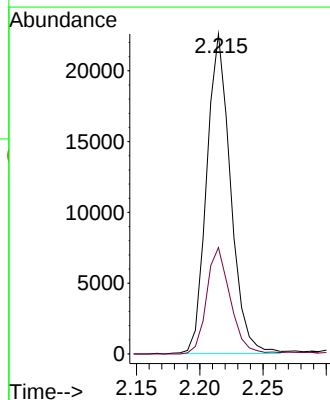
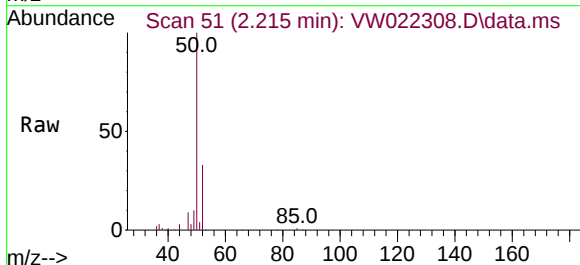
Instrument :  
MSVOA\_W  
ClientSampleId :

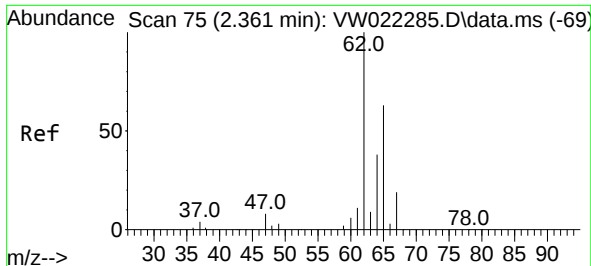
Tgt Ion: 85 Resp: 13226  
Ion Ratio Lower Upper  
85 100  
87 30.8 27.6 41.4



#3  
Chloromethane  
Concen: 23.432 ug/L  
RT: 2.215 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Tgt Ion: 50 Resp: 29651  
Ion Ratio Lower Upper  
50 100  
52 33.3 23.9 44.5

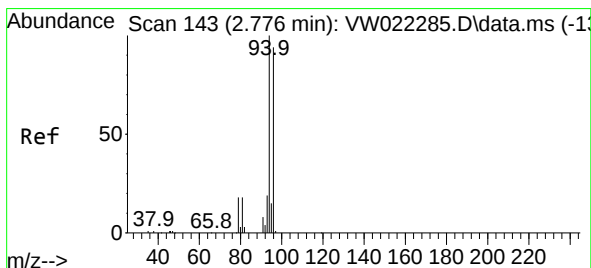
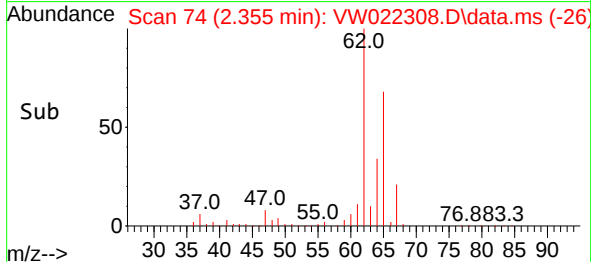
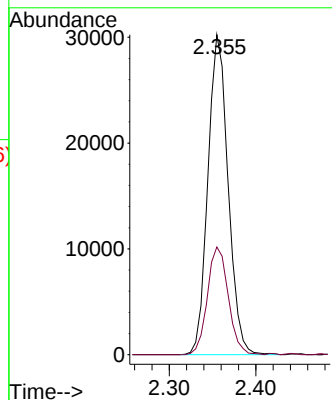
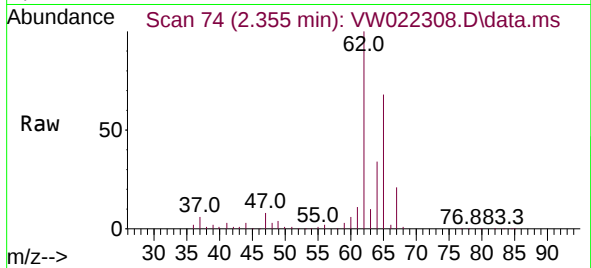




#5  
 Vinyl chloride  
 Concen: 25.779 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. -0.006 min  
 Lab File: VW022308.D  
 Acq: 11 Mar 2022 18:32

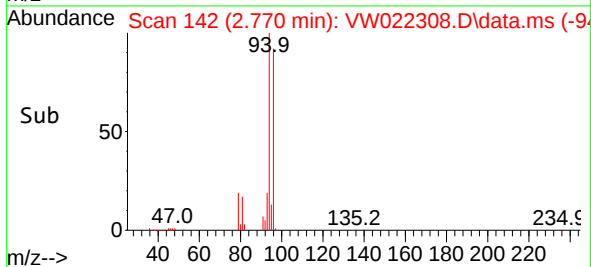
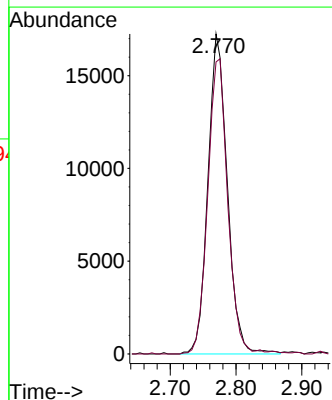
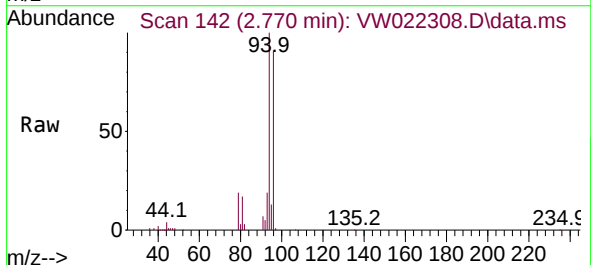
Instrument :  
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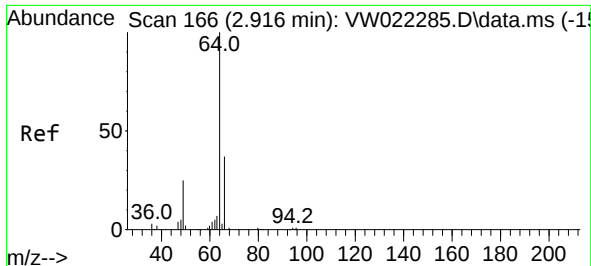
Tgt Ion: 62 Resp: 49014  
 Ion Ratio Lower Upper  
 62 100  
 64 33.6 24.7 45.9



#6  
 Bromomethane  
 Concen: 26.672 ug/L  
 RT: 2.770 min Scan# 142  
 Delta R.T. -0.006 min  
 Lab File: VW022308.D  
 Acq: 11 Mar 2022 18:32

Tgt Ion: 94 Resp: 35418  
 Ion Ratio Lower Upper  
 94 100  
 96 91.2 61.2 113.8

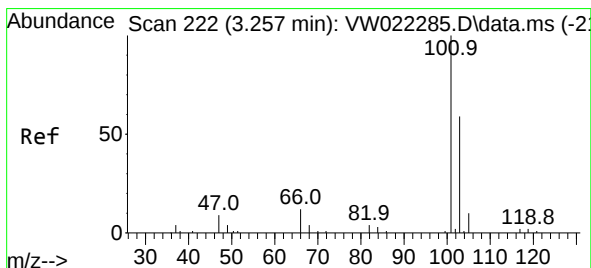
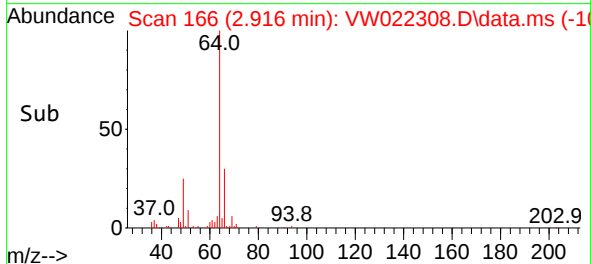
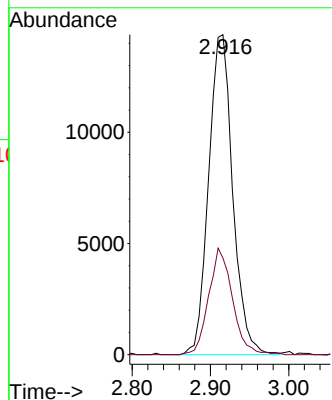
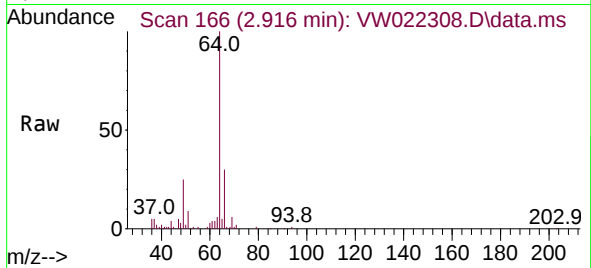




#8  
Chloroethane  
Concen: 28.836 ug/L  
RT: 2.916 min Scan# 166  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

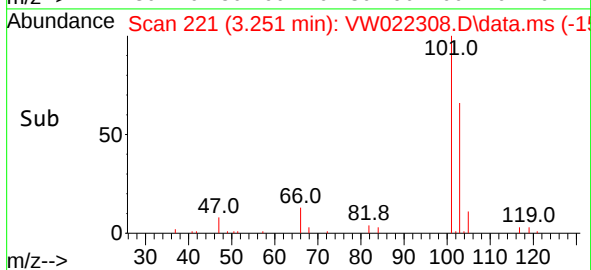
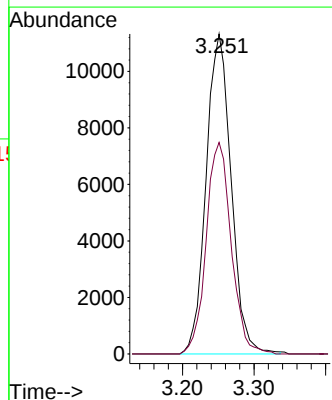
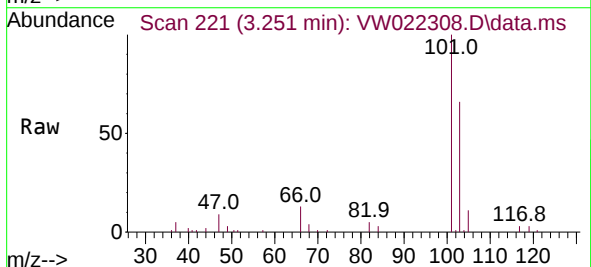
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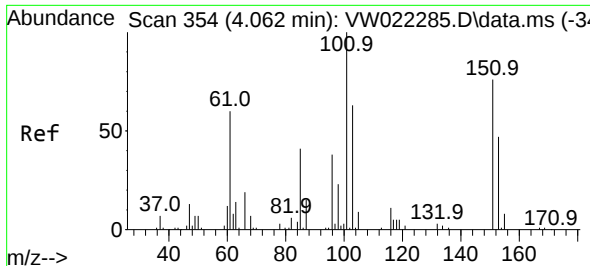
Tgt Ion: 64 Resp: 30800  
Ion Ratio Lower Upper  
64 100  
66 30.2 23.2 43.0



#9  
Trichlorofluoromethane  
Concen: 21.319 ug/L  
RT: 3.251 min Scan# 221  
Delta R.T. -0.006 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Tgt Ion: 101 Resp: 27520  
Ion Ratio Lower Upper  
101 100  
103 66.2 53.2 79.8

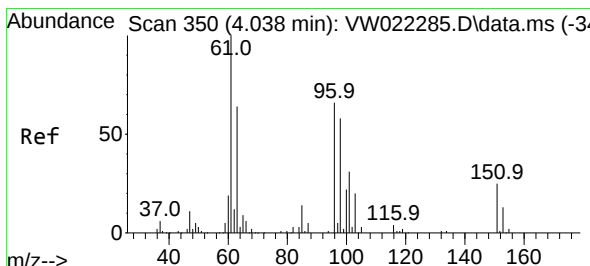
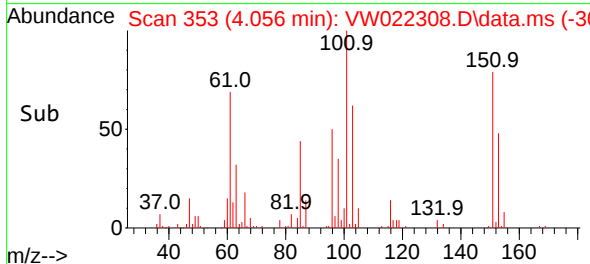
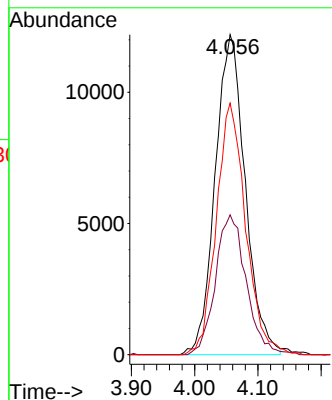
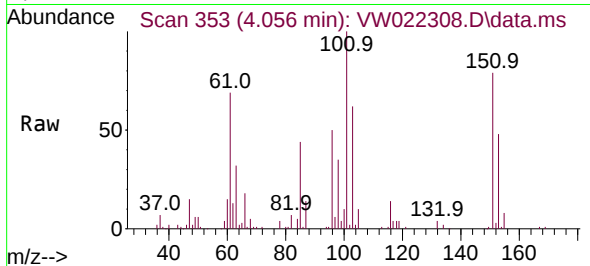




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 25.528 ug/L  
 RT: 4.056 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: VW022308.D  
 Acq: 11 Mar 2022 18:32

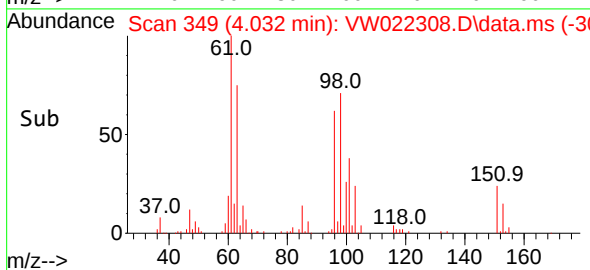
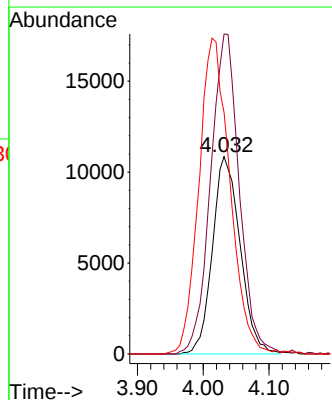
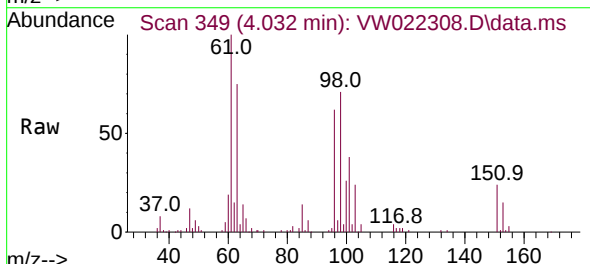
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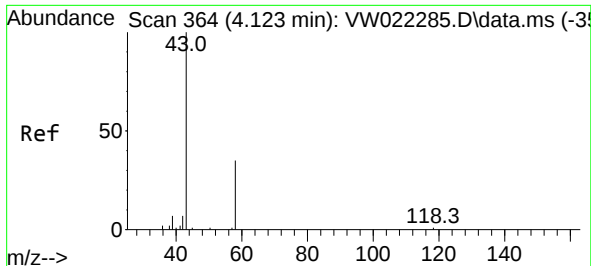
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 Ion Ratio Lower Upper  
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 85 44.8 34.4 51.6  
 151 76.8 59.0 88.4



#12  
 1,1-Dichloroethene  
 Concen: 23.257 ug/L  
 RT: 4.032 min Scan# 349  
 Delta R.T. -0.006 min  
 Lab File: VW022308.D  
 Acq: 11 Mar 2022 18:32

Tgt Ion: 96 Resp: 31745  
 Ion Ratio Lower Upper  
 96 100  
 61 162.2 108.4 201.2  
 63 122.4 72.0 133.6





#13

Acetone

Concen: 51.290 ug/L

RT: 4.123 min Scan# 364

Delta R.T. -0.000 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

Instrument :

MSVOA\_W

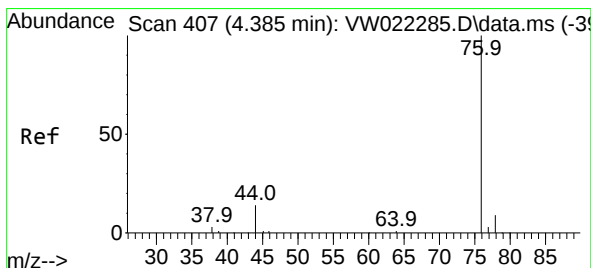
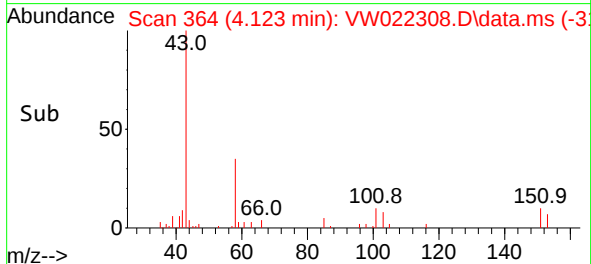
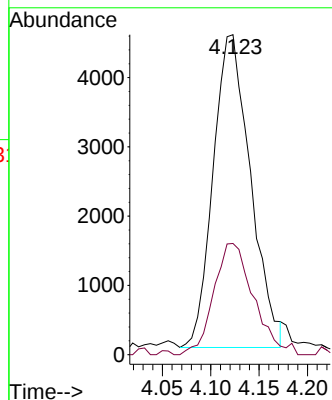
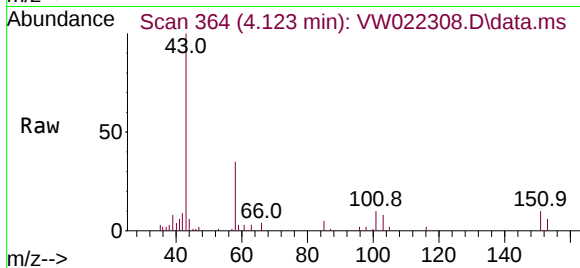
ClientSampleId :

Tgt Ion: 43 Resp: 12139

Ion Ratio Lower Upper

43 100

58 37.4 0.0 69.2



#14

Carbon disulfide

Concen: 16.601 ug/L

RT: 4.373 min Scan# 405

Delta R.T. -0.012 min

Lab File: VW022308.D

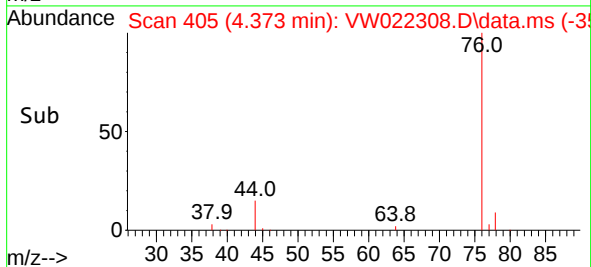
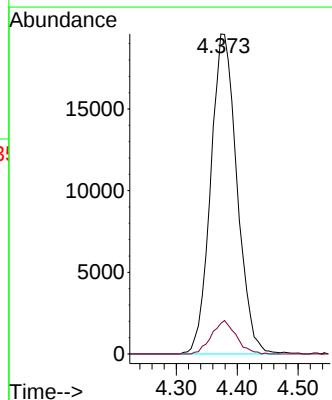
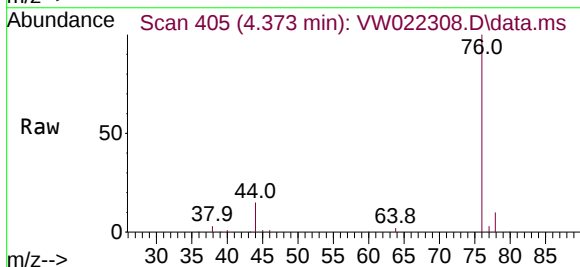
Acq: 11 Mar 2022 18:32

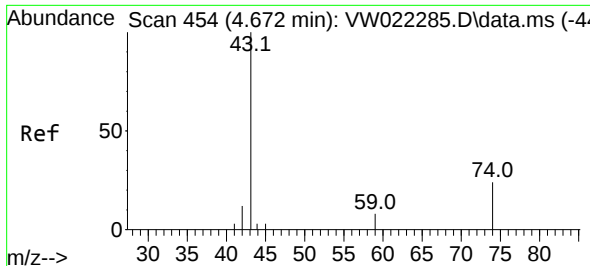
Tgt Ion: 76 Resp: 58749

Ion Ratio Lower Upper

76 100

78 9.6 7.8 11.8

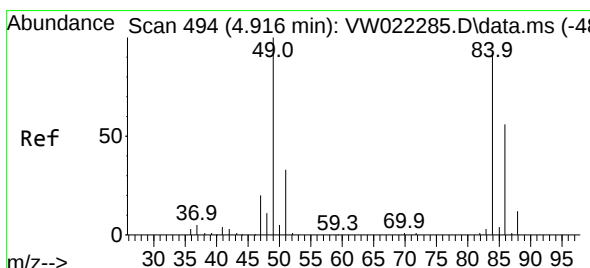
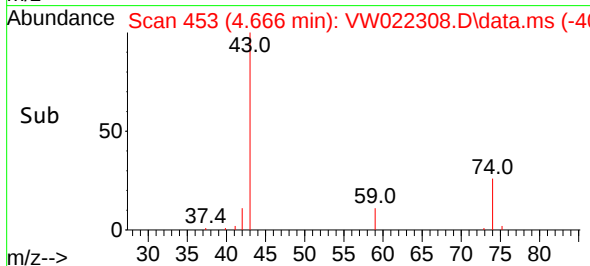
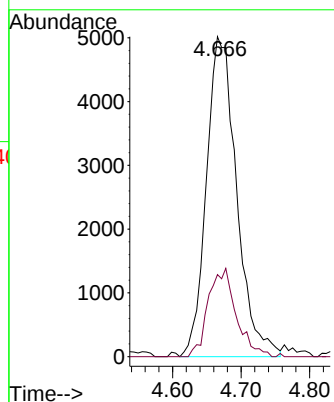
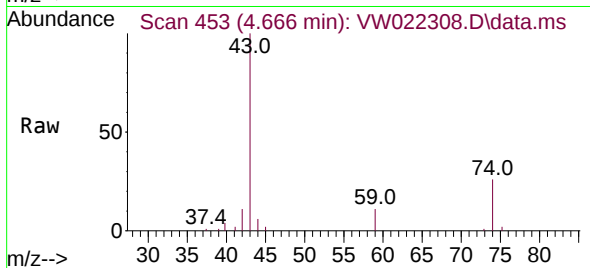




#15  
Methyl Acetate  
Concen: 28.850 ug/L  
RT: 4.666 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

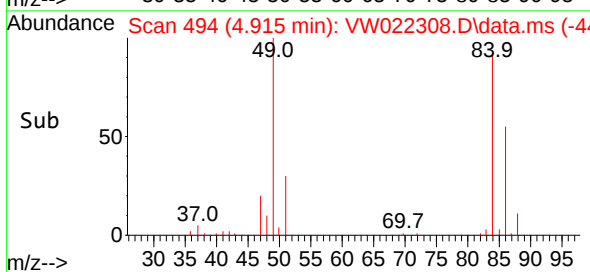
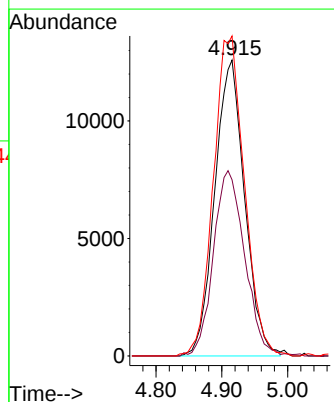
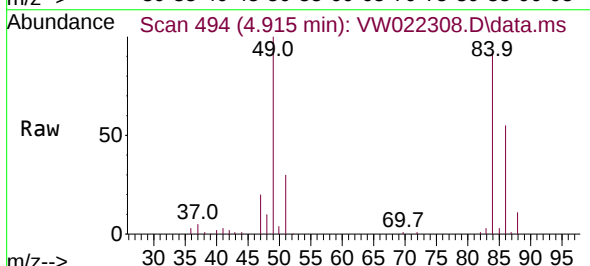
Instrument :  
MSVOA\_W  
ClientSampleId :

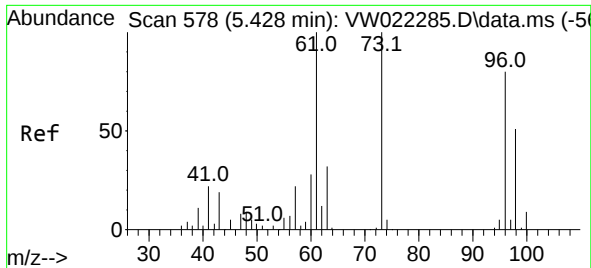
Tgt Ion: 43 Resp: 15372  
Ion Ratio Lower Upper  
43 100  
74 21.5 23.0 34.6#



#16  
Methylene chloride  
Concen: 24.565 ug/L  
RT: 4.915 min Scan# 494  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Tgt Ion: 84 Resp: 39842  
Ion Ratio Lower Upper  
84 100  
86 59.6 45.8 85.0  
49 108.2 73.8 137.0

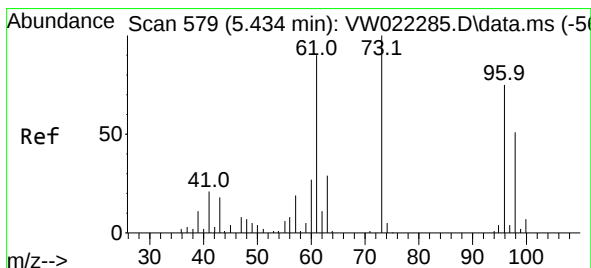
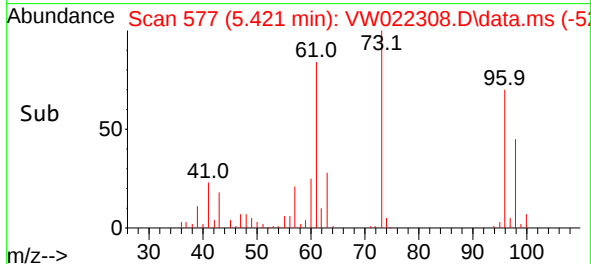
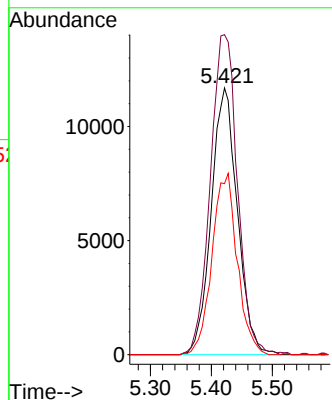
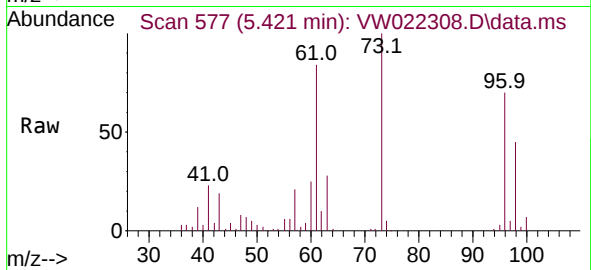




#17  
trans-1,2-Dichloroethene  
Concen: 23.307 ug/L  
RT: 5.421 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

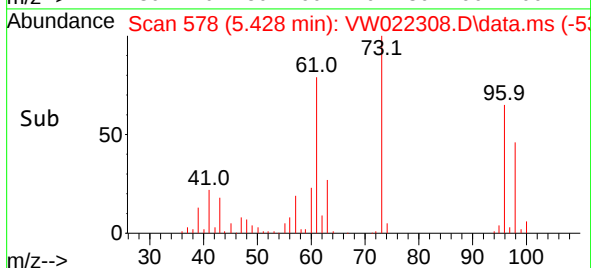
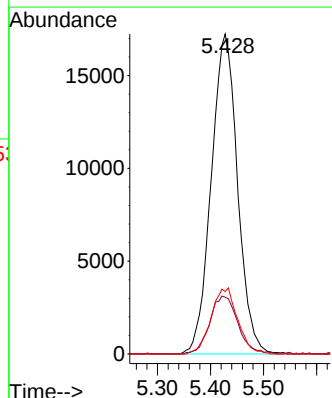
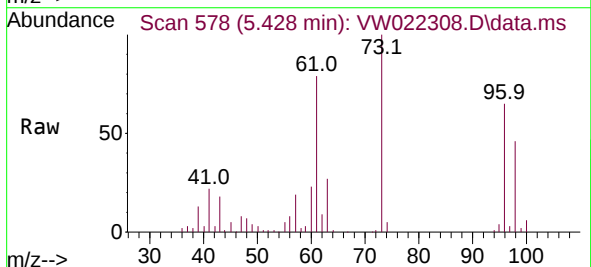
Instrument :  
MSVOA\_W  
ClientSampleId :

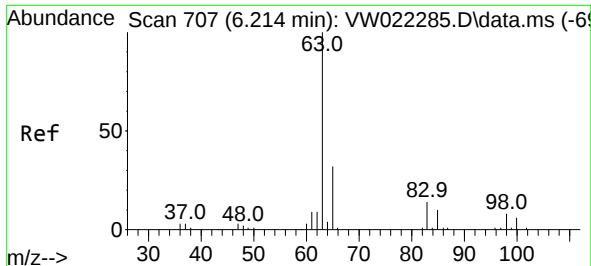
Tgt Ion: 96 Resp: 34942  
Ion Ratio Lower Upper  
96 100  
61 120.0 87.3 162.1  
98 64.1 43.2 80.2



#18  
Methyl tert-butyl Ether  
Concen: 29.164 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. -0.006 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Tgt Ion: 73 Resp: 59485  
Ion Ratio Lower Upper  
73 100  
43 19.2 15.4 23.2  
57 20.7 16.5 24.7





#19

1,1-Dichloroethane

Concen: 27.729 ug/L

RT: 6.208 min Scan# 706

Delta R.T. -0.006 min

Lab File: VW022308.D

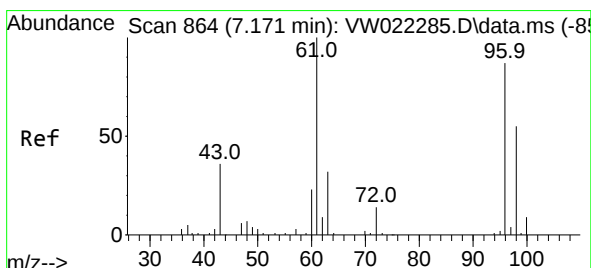
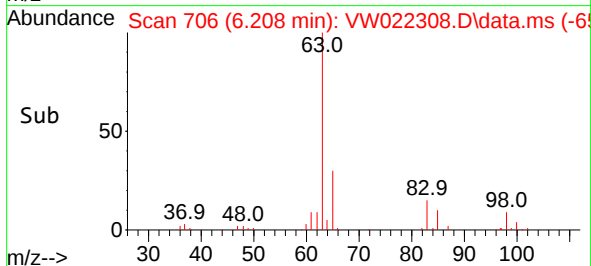
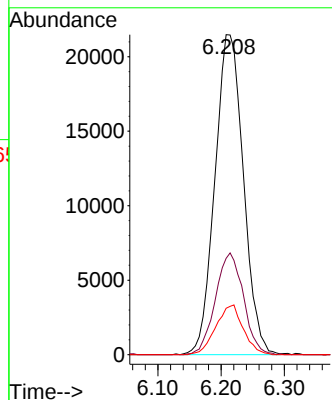
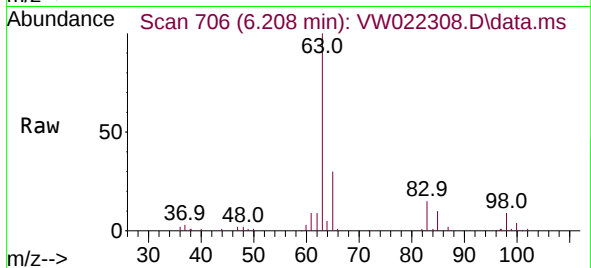
Acq: 11 Mar 2022 18:32

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 67303 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 30.1  | 22.5  | 41.9  |
| 83       | 14.5  | 11.5  | 21.5  |



#20

cis-1,2-Dichloroethene

Concen: 26.706 ug/L

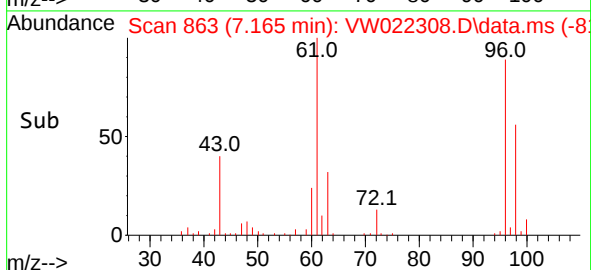
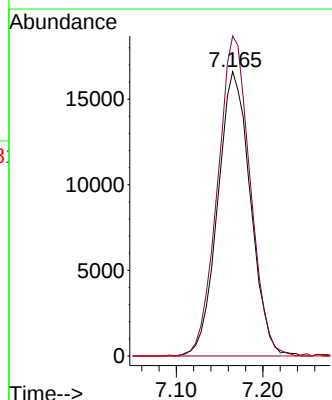
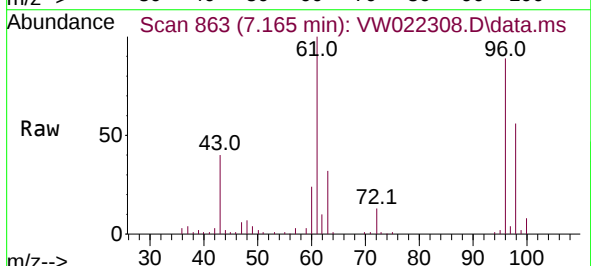
RT: 7.165 min Scan# 863

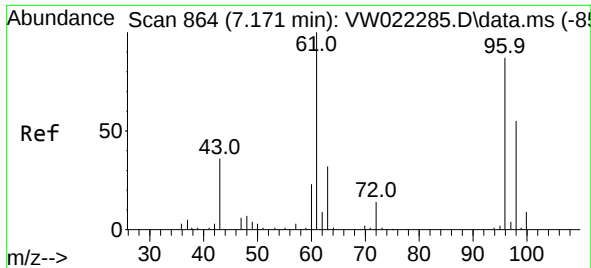
Delta R.T. -0.006 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 43373 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 112.5 | 76.8  | 142.6 |
| 68       | 0.0   | 0.0   | 0.0   |

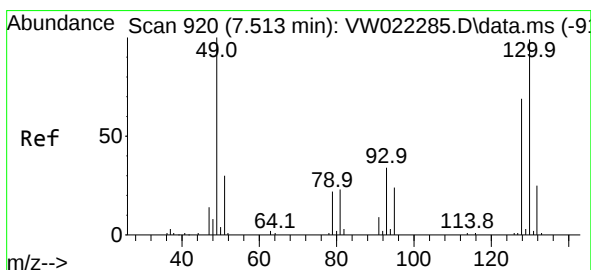
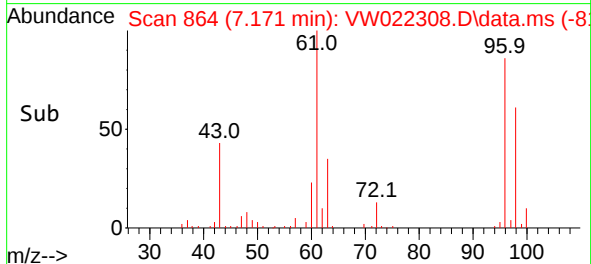
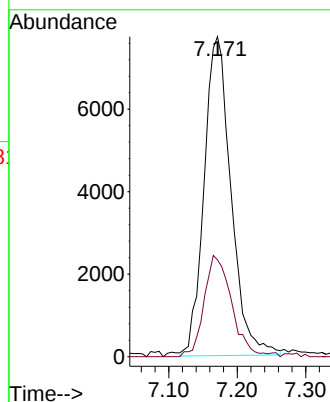
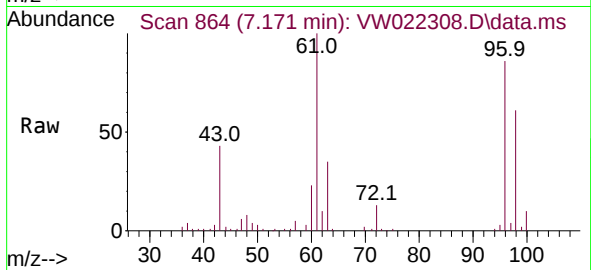




#22  
2-Butanone  
Concen: 62.195 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

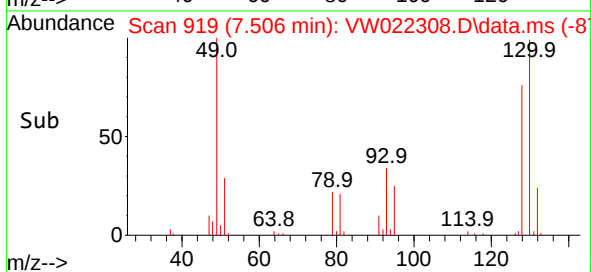
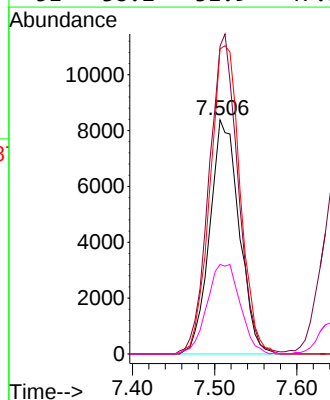
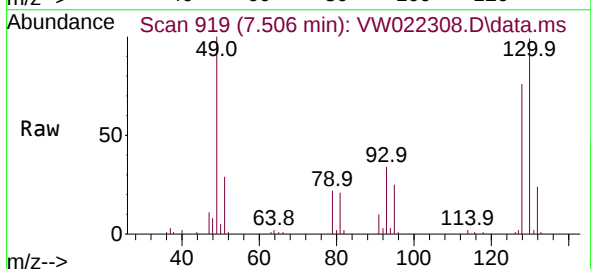
Instrument :  
MSVOA\_W  
ClientSampleId :

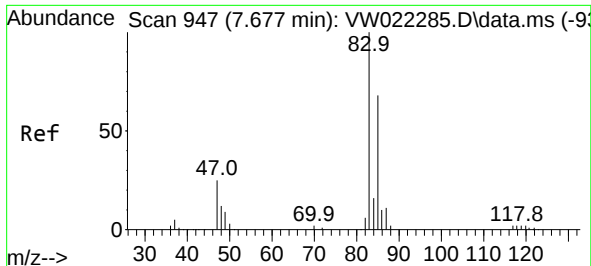
Tgt Ion: 43 Resp: 21145  
Ion Ratio Lower Upper  
43 100  
72 29.9 17.0 51.0



#23  
Bromochloromethane  
Concen: 26.261 ug/L  
RT: 7.506 min Scan# 919  
Delta R.T. -0.006 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Tgt Ion: 128 Resp: 20834  
Ion Ratio Lower Upper  
128 100  
49 131.4 84.2 156.4  
130 130.3 84.8 157.4  
51 38.2 31.9 47.9

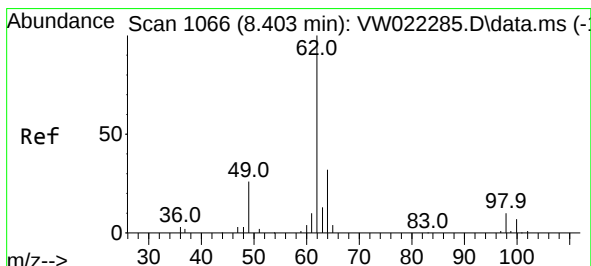
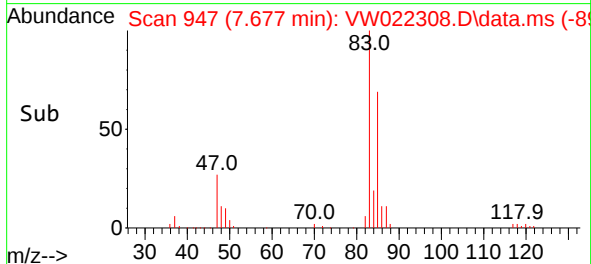
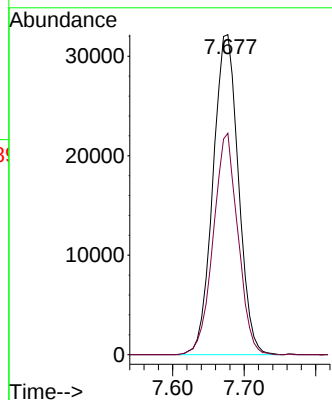
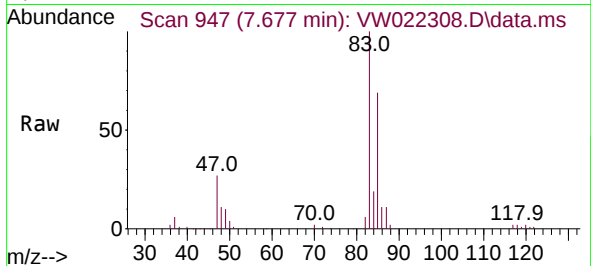




#25  
Chloroform  
Concen: 28.067 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

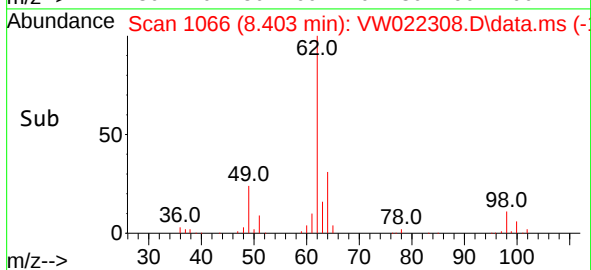
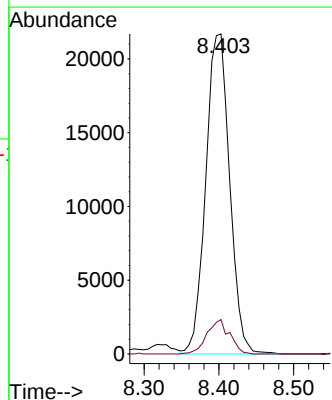
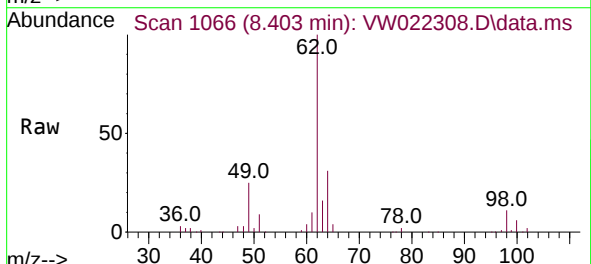
Instrument :  
MSVOA\_W  
ClientSampleId :

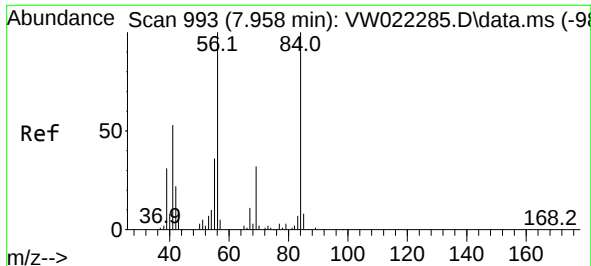
Tgt Ion: 83 Resp: 79484  
Ion Ratio Lower Upper  
83 100  
85 69.2 45.1 83.9



#27  
1,2-Dichloroethane  
Concen: 27.689 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Tgt Ion: 62 Resp: 48298  
Ion Ratio Lower Upper  
62 100  
98 10.7 7.9 11.9





#29

Cyclohexane

Concen: 22.049 ug/L

RT: 7.952 min Scan# 993

Delta R.T. -0.006 min

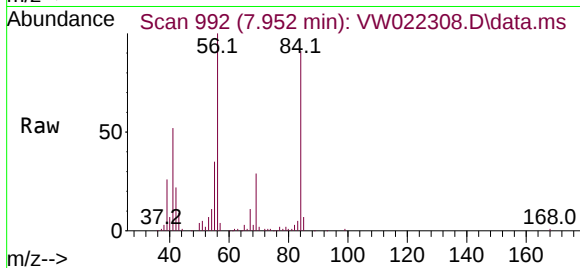
Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

Instrument :

MSVOA\_W

ClientSampleId :



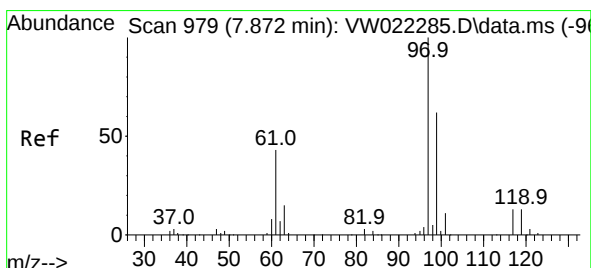
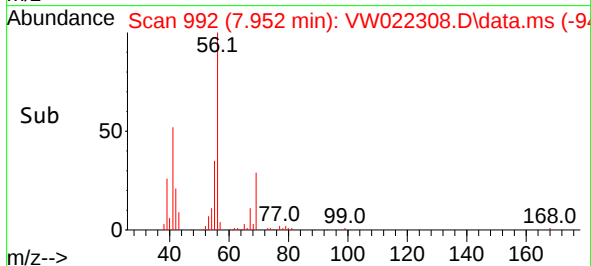
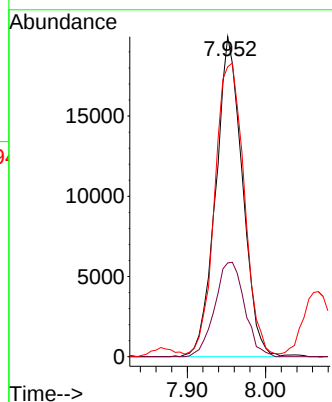
Tgt Ion: 56 Resp: 47147

Ion Ratio Lower Upper

56 100

69 32.9 26.3 39.5

84 101.8 81.4 122.2



#30

1,1,1-Trichloroethane

Concen: 25.451 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

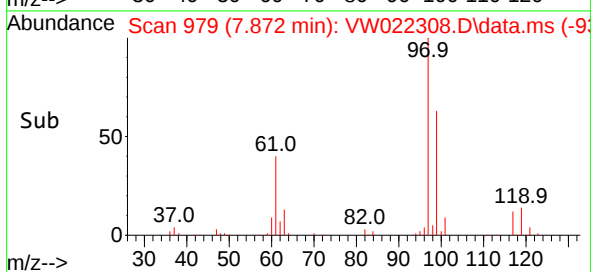
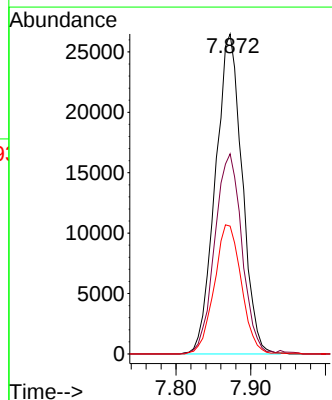
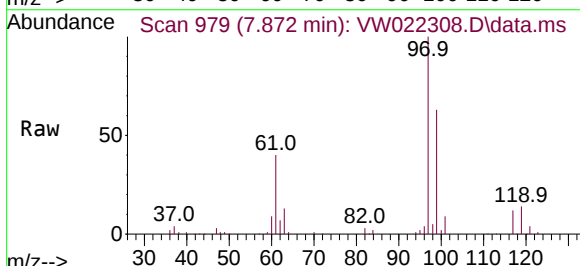
Tgt Ion: 97 Resp: 65793

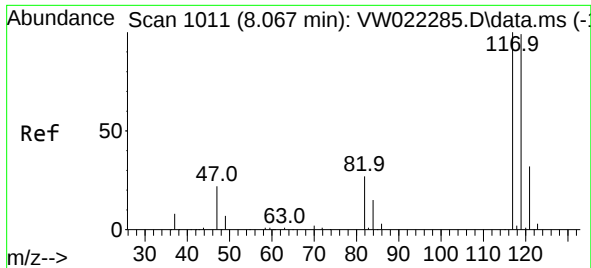
Ion Ratio Lower Upper

97 100

99 63.7 52.6 78.8

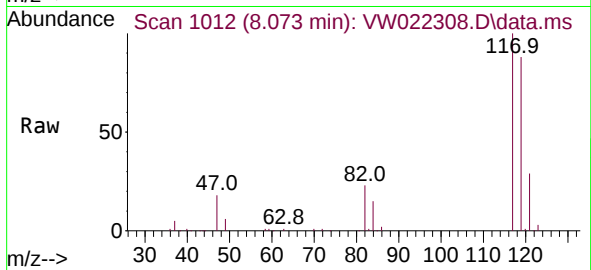
61 40.8 33.0 49.6



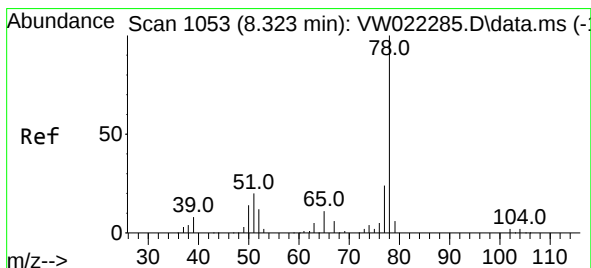
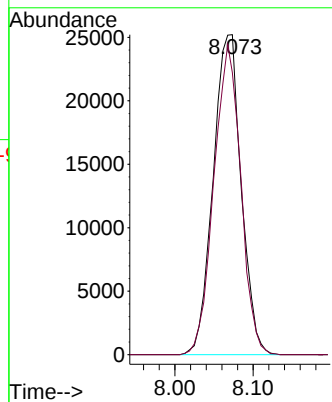
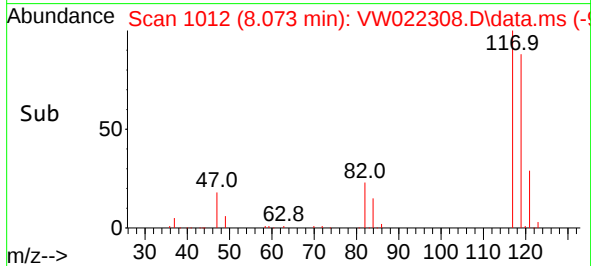


#31  
Carbon tetrachloride  
Concen: 25.579 ug/L  
RT: 8.073 min Scan# 1011  
Delta R.T. 0.006 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Instrument :  
MSVOA\_W  
ClientSampleId :

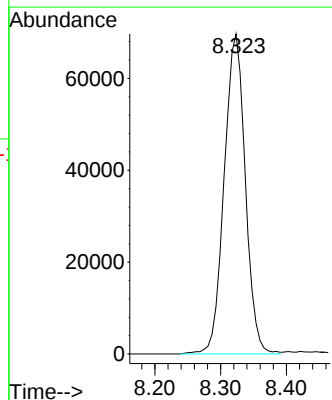
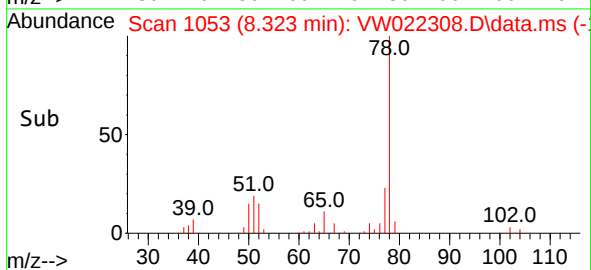
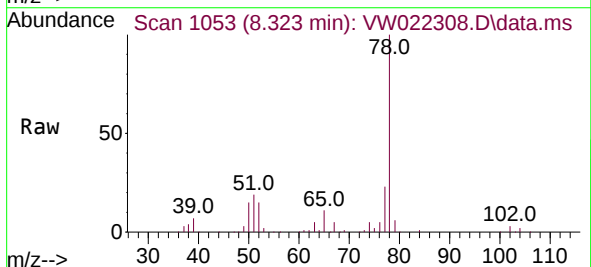


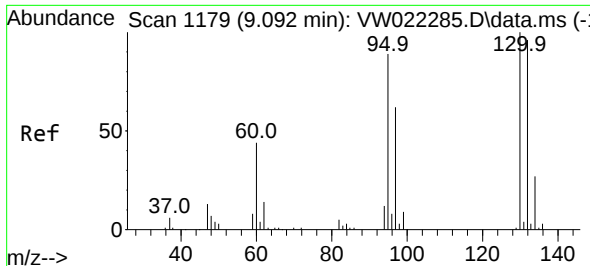
Tgt Ion:117 Resp: 62843  
Ion Ratio Lower Upper  
117 100  
119 92.8 76.7 115.1



#33  
Benzene  
Concen: 25.109 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

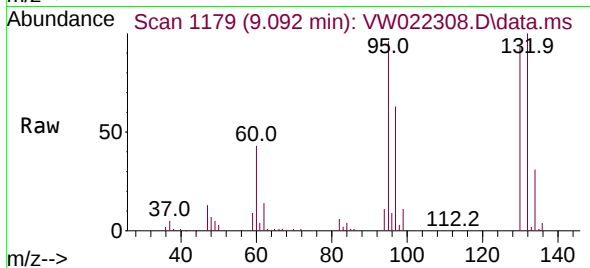
Tgt Ion: 78 Resp: 155980



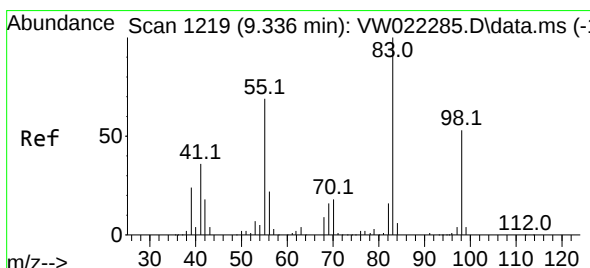
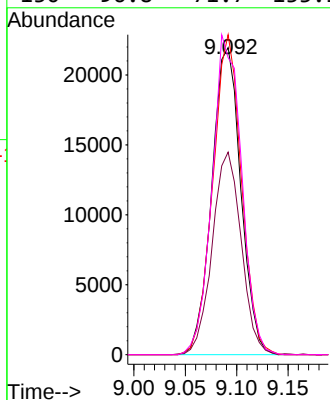
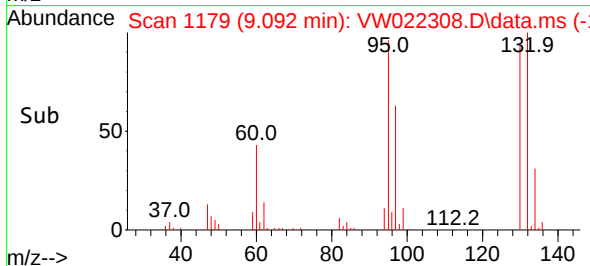


#34  
Trichloroethene  
Concen: 24.249 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

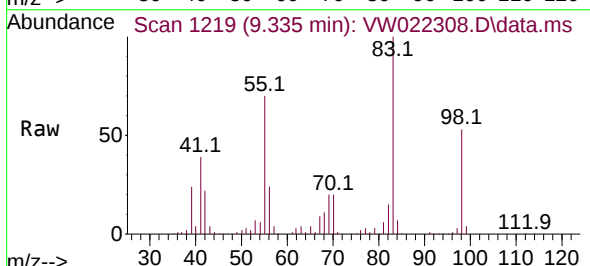
Instrument :  
MSVOA\_W  
ClientSampleId :



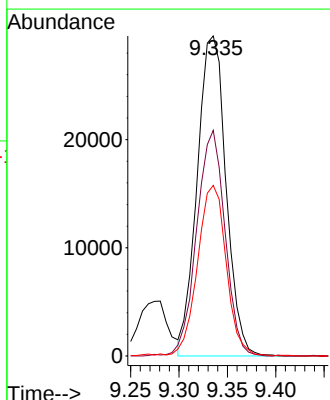
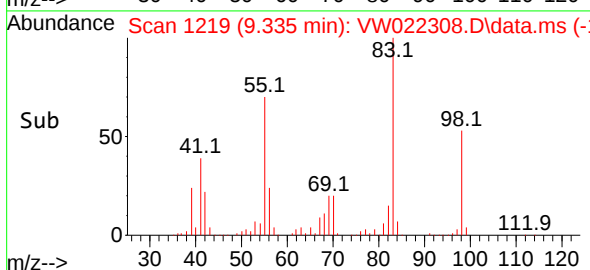
Tgt Ion: 95 Resp: 43132  
Ion Ratio Lower Upper  
95 100  
97 66.0 44.4 82.4  
132 104.2 71.7 133.1  
130 96.8 71.7 133.1

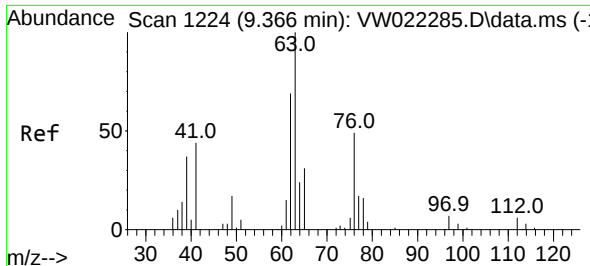


#35  
Methylcyclohexane  
Concen: 22.322 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32



Tgt Ion: 83 Resp: 61412  
Ion Ratio Lower Upper  
83 100  
55 69.0 53.8 80.8  
98 52.9 42.1 63.1





#37

1,2-Dichloropropane

Concen: 27.195 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

Instrument :

MSVOA\_W

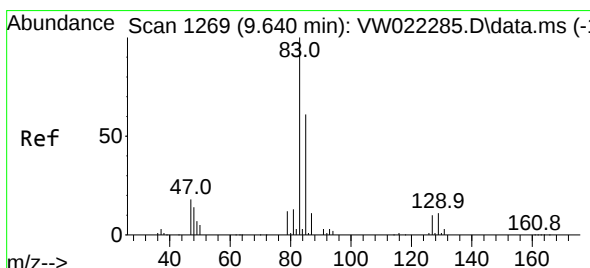
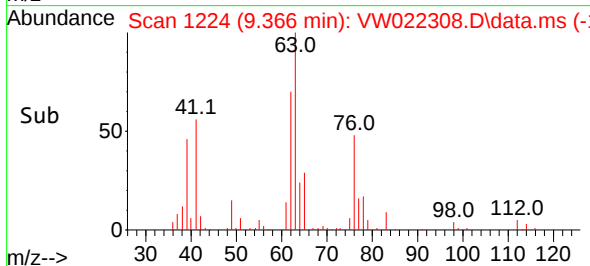
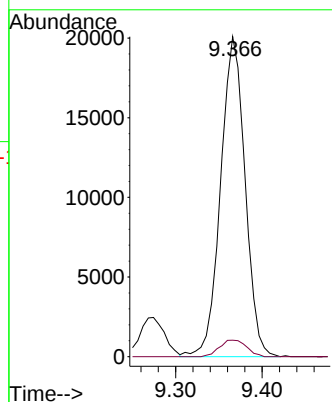
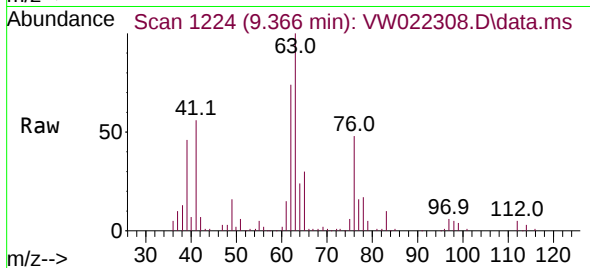
ClientSampleId :

Tgt Ion: 63 Resp: 39413

Ion Ratio Lower Upper

63 100

112 5.7 4.1 6.1



#38

Bromodichloromethane

Concen: 28.401 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

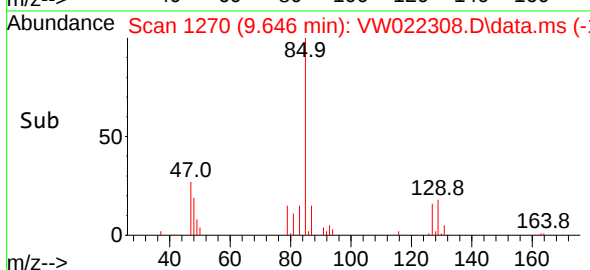
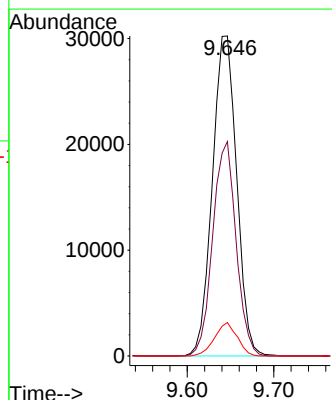
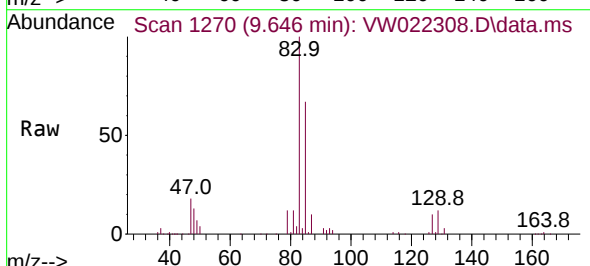
Tgt Ion: 83 Resp: 59025

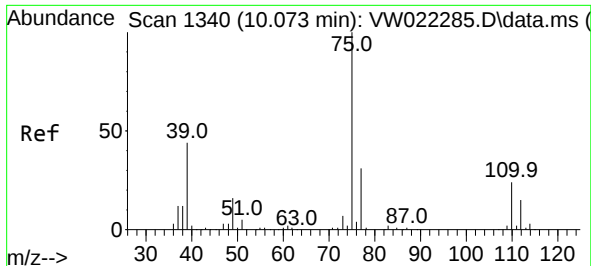
Ion Ratio Lower Upper

83 100

85 67.0 47.9 89.1

127 10.5 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 27.594 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

Instrument :

MSVOA\_W

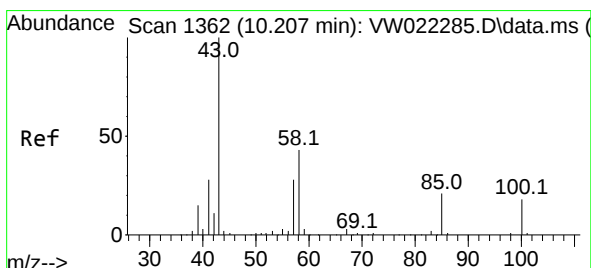
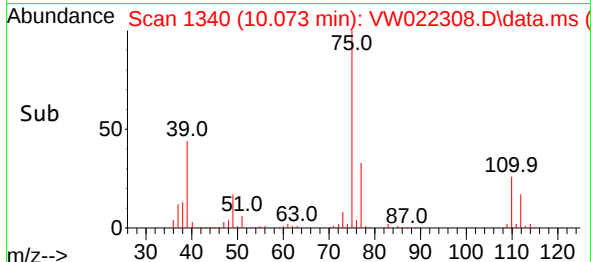
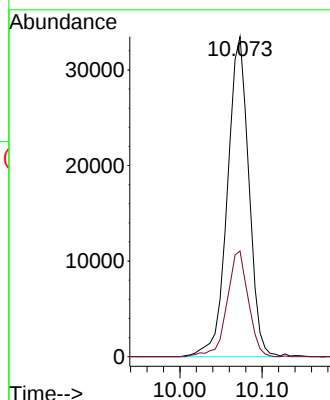
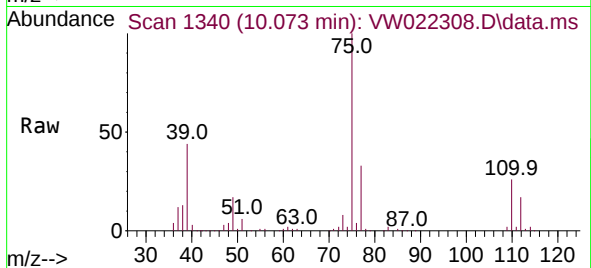
ClientSampleId :

Tgt Ion: 75 Resp: 60788

Ion Ratio Lower Upper

75 100

77 33.0 20.6 38.2



#40

4-Methyl-2-pentanone

Concen: 61.275 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

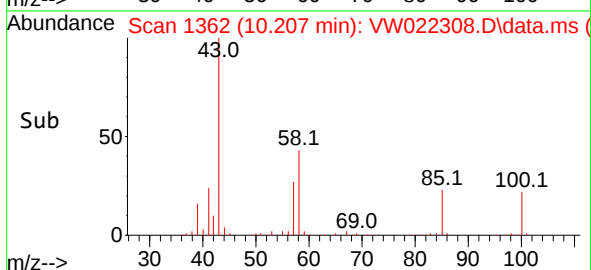
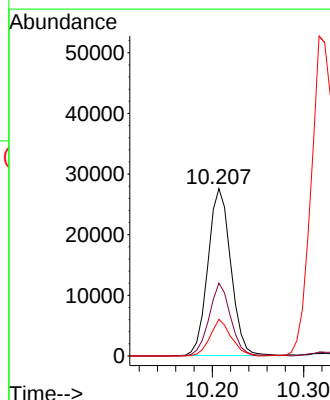
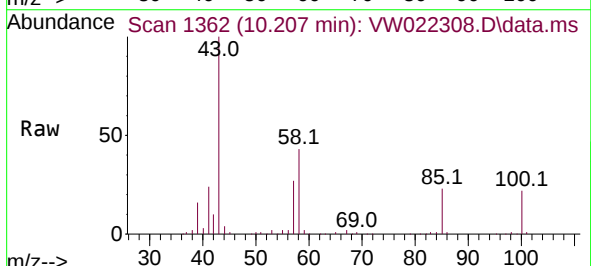
Tgt Ion: 43 Resp: 47957

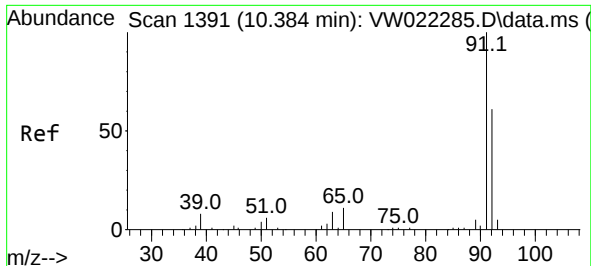
Ion Ratio Lower Upper

43 100

58 41.2 33.2 49.8

100 20.2 16.1 24.1





#42

Toluene

Concen: 26.129 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

Instrument :

MSVOA\_W

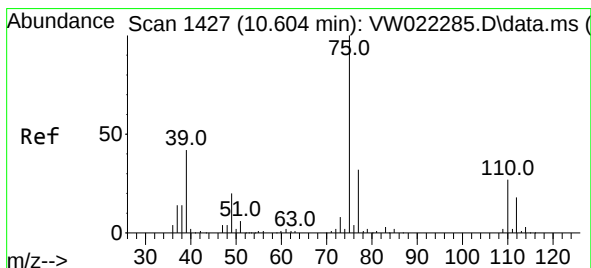
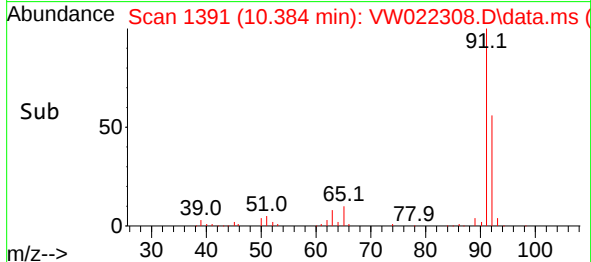
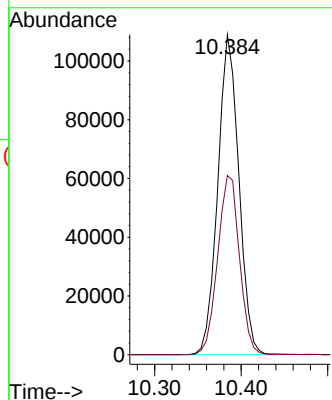
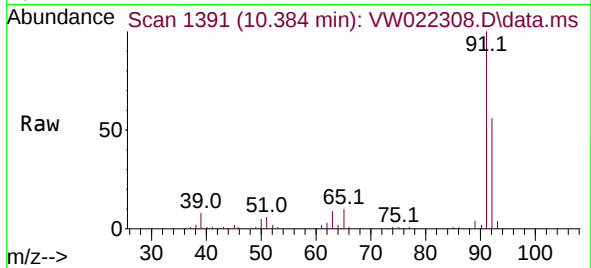
ClientSampleId :

Tgt Ion: 91 Resp: 183712

Ion Ratio Lower Upper

91 100

92 56.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 27.903 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VW022308.D

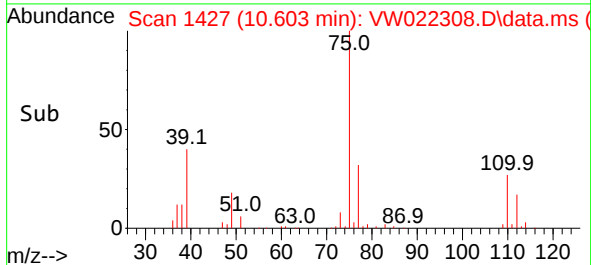
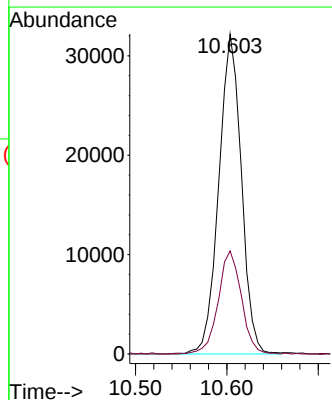
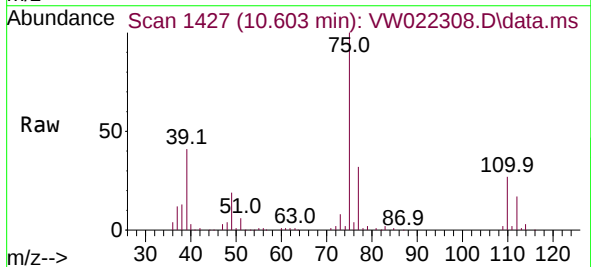
Acq: 11 Mar 2022 18:32

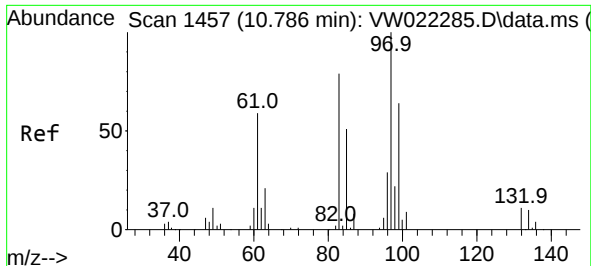
Tgt Ion: 75 Resp: 55238

Ion Ratio Lower Upper

75 100

77 32.2 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 27.979 ug/L

RT: 10.780 min Scan# 1457

Delta R.T. -0.006 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 35957

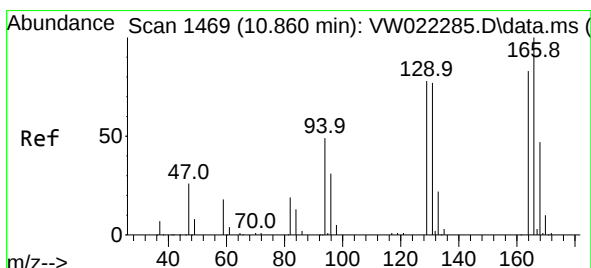
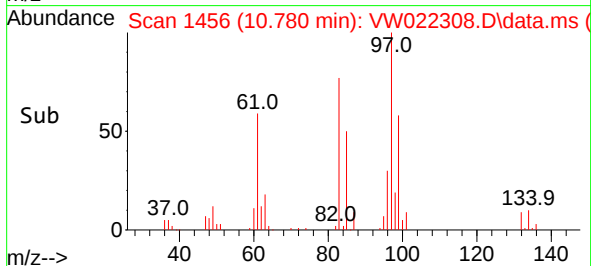
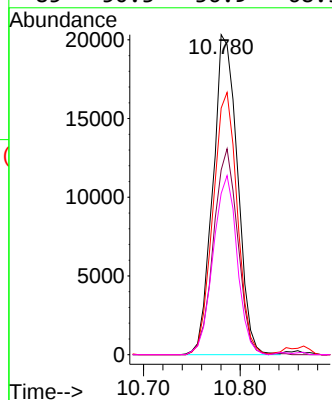
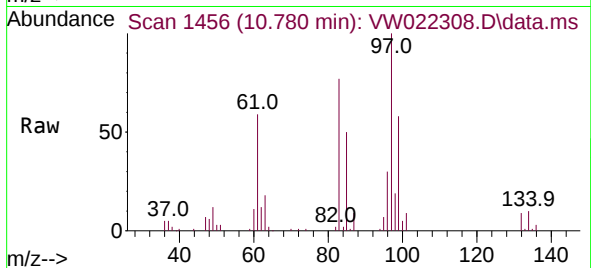
Ion Ratio Lower Upper

97 100

99 57.7 43.5 80.7

83 77.1 53.5 99.3

85 50.3 36.9 68.5



#46

Tetrachloroethene

Concen: 23.275 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

Tgt Ion:164 Resp: 36266

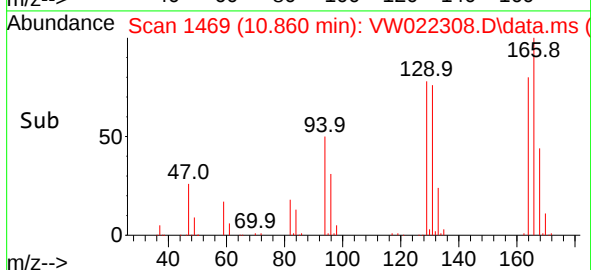
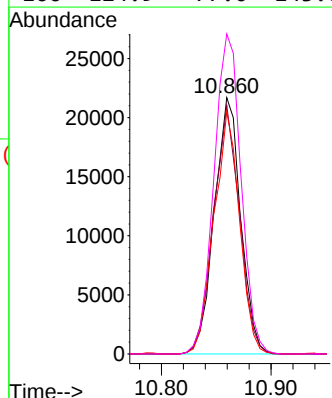
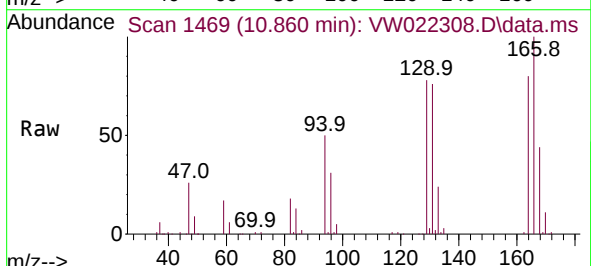
Ion Ratio Lower Upper

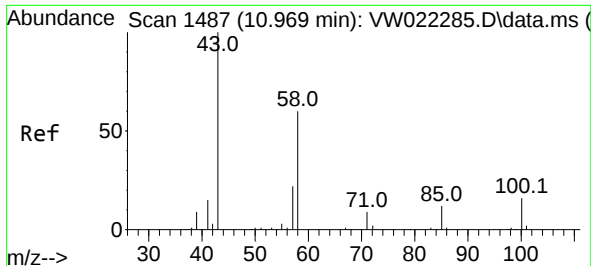
164 100

129 97.0 60.3 111.9

131 94.5 59.9 111.3

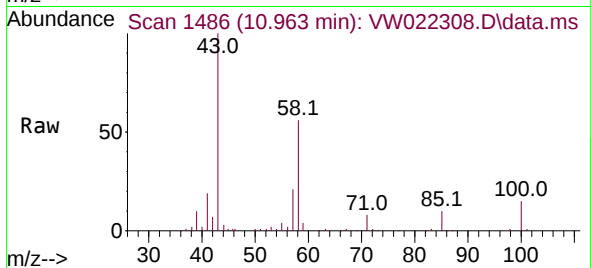
166 124.9 77.0 143.0



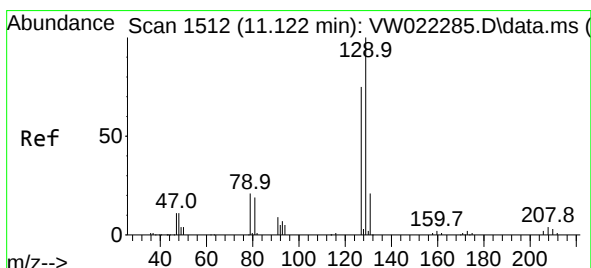
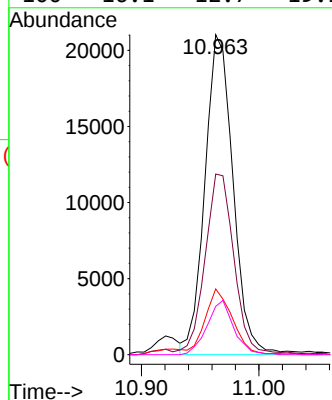
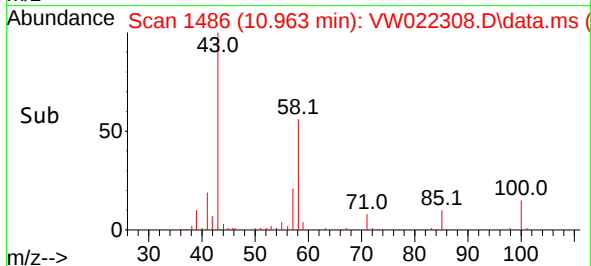


#48  
2-Hexanone  
Concen: 64.361 ug/L  
RT: 10.963 min Scan# 1486  
Delta R.T. -0.006 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

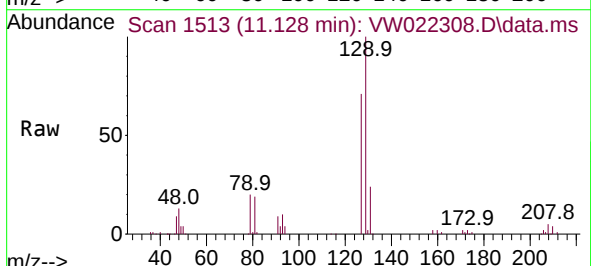
Instrument :  
MSVOA\_W  
ClientSampleId :



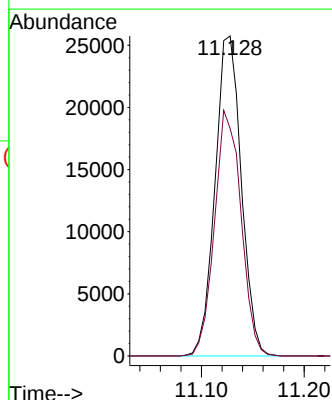
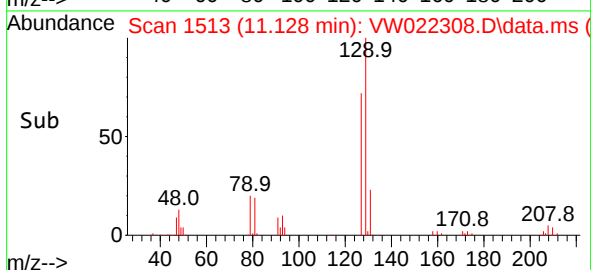
Tgt Ion: 43 Resp: 34961  
Ion Ratio Lower Upper  
43 100  
58 56.6 44.6 66.8  
57 19.8 15.8 23.8  
100 16.1 12.7 19.1

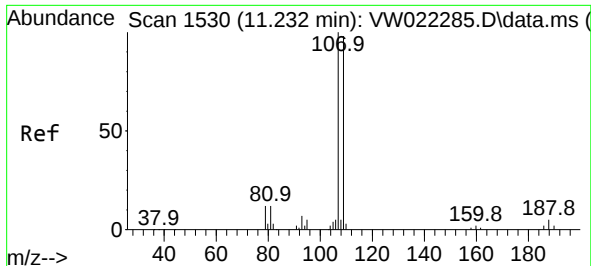


#49  
Dibromochloromethane  
Concen: 29.300 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.006 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32



Tgt Ion: 129 Resp: 45737  
Ion Ratio Lower Upper  
129 100  
127 71.1 54.5 101.1





#50

1,2-Dibromoethane

Concen: 27.251 ug/L

RT: 11.231 min Scan# 11

Delta R.T. -0.000 min

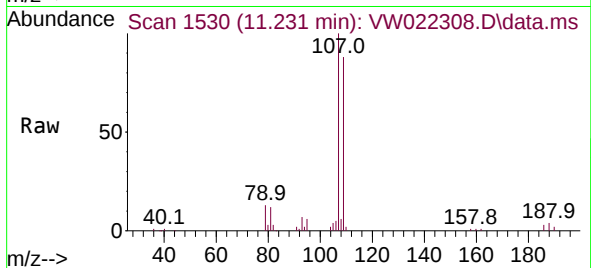
Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

Instrument :

MSVOA\_W

ClientSampleId :



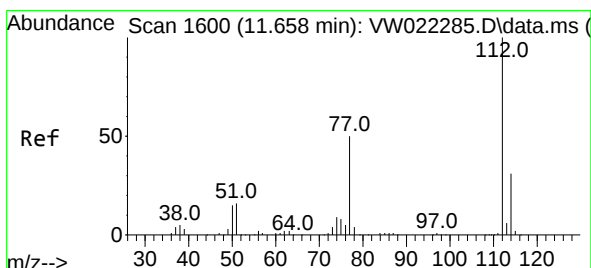
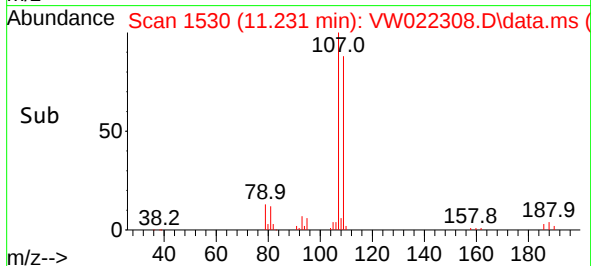
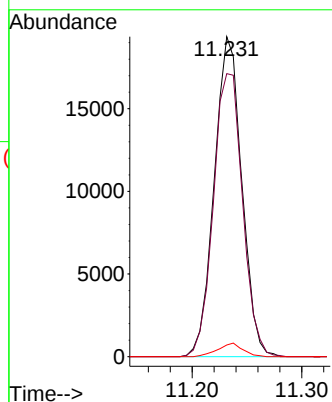
Tgt Ion:107 Resp: 33779

Ion Ratio Lower Upper

107 100

109 88.4 66.8 124.2

188 3.7 2.6 4.0



#51

Chlorobenzene

Concen: 26.002 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

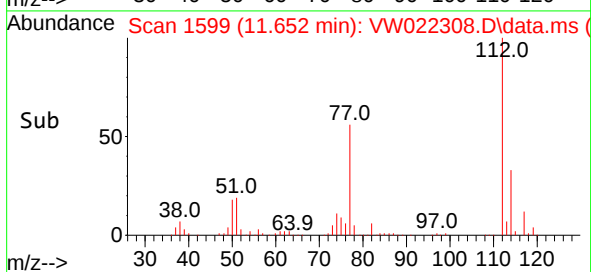
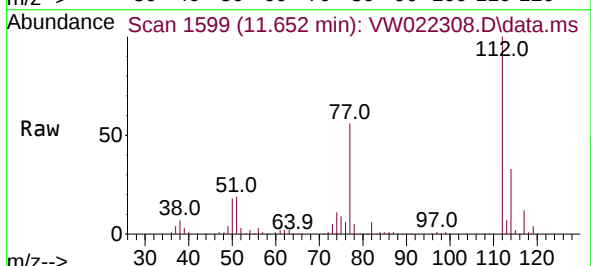
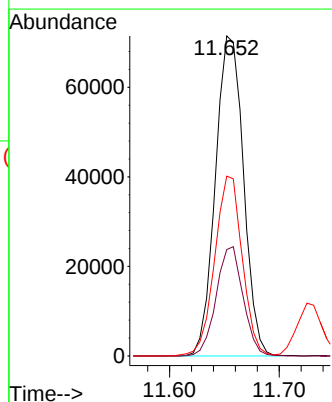
Tgt Ion:112 Resp: 127232

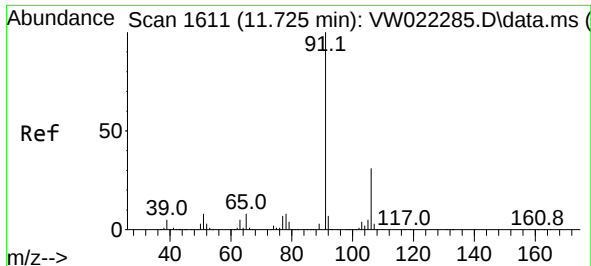
Ion Ratio Lower Upper

112 100

114 33.3 23.0 42.8

77 56.2 41.8 62.6

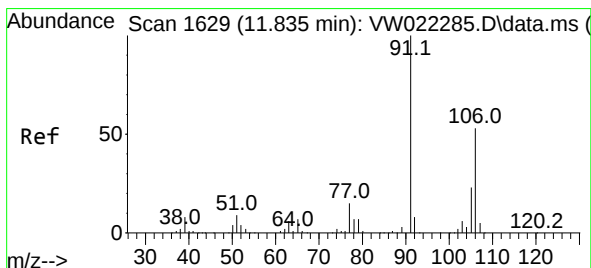
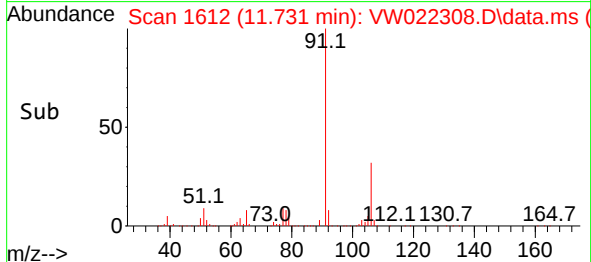
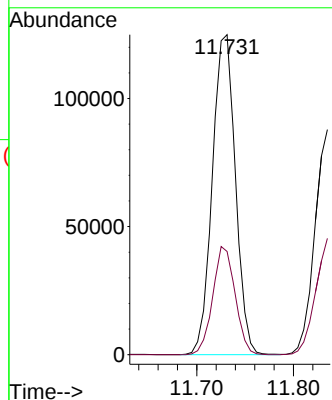
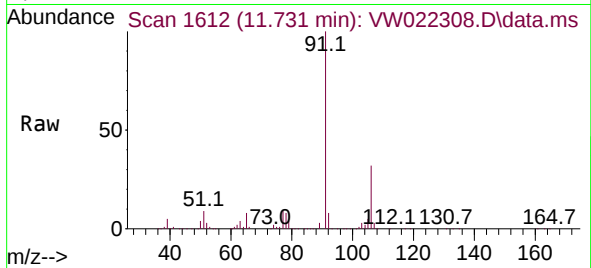




#52  
Ethylbenzene  
Concen: 26.635 ug/L  
RT: 11.731 min Scan# 1611  
Delta R.T. 0.006 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

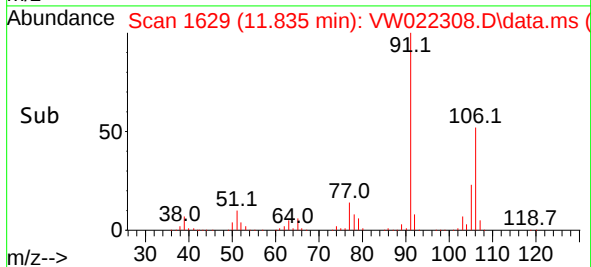
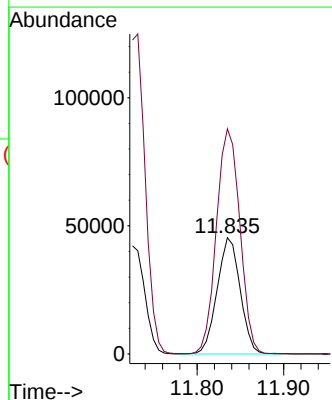
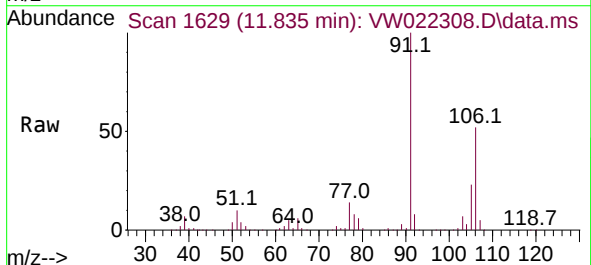
Instrument :  
MSVOA\_W  
ClientSampleId :

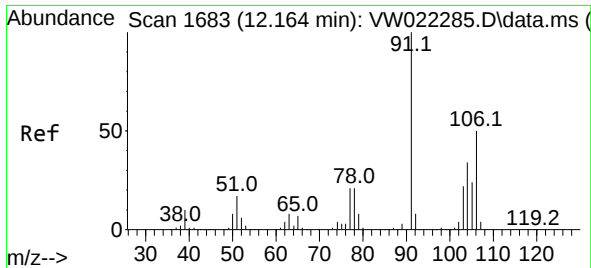
Tgt Ion: 91 Resp: 207257  
Ion Ratio Lower Upper  
91 100  
106 32.2 22.8 42.4



#53  
m,p-Xylene  
Concen: 26.186 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Tgt Ion:106 Resp: 83844  
Ion Ratio Lower Upper  
106 100  
91 193.7 135.0 250.8

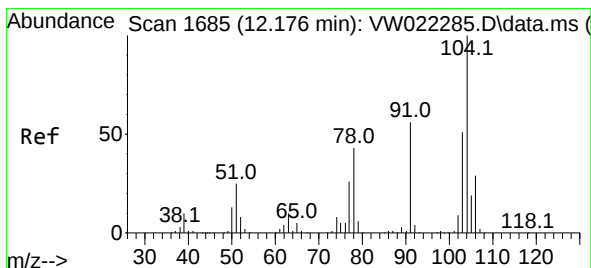
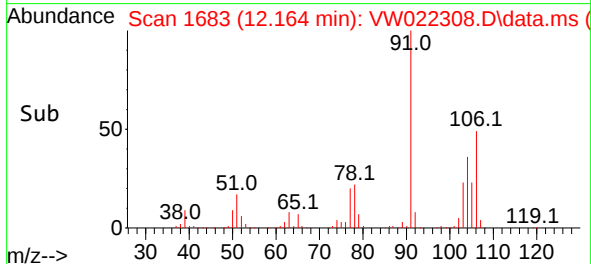
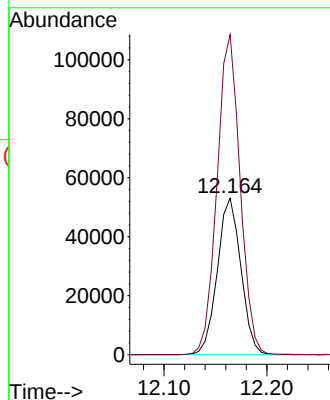
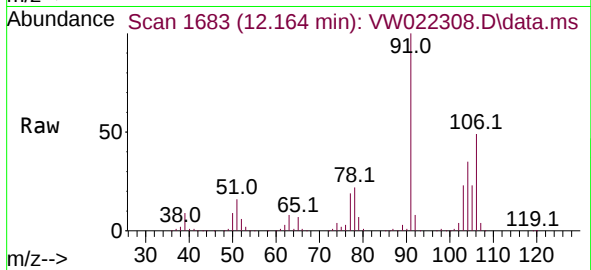




#54  
o-Xylene  
Concen: 27.944 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

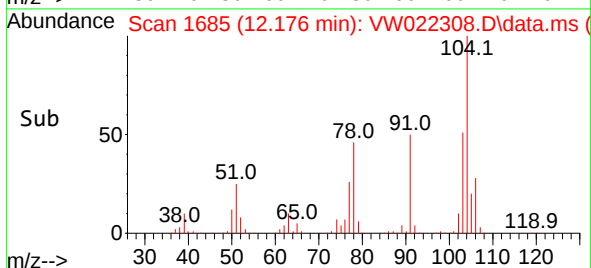
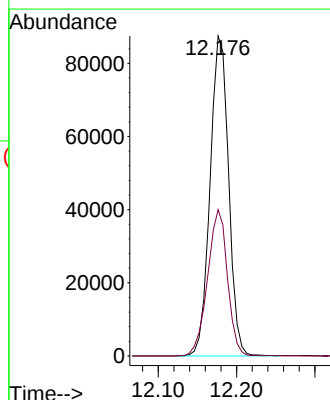
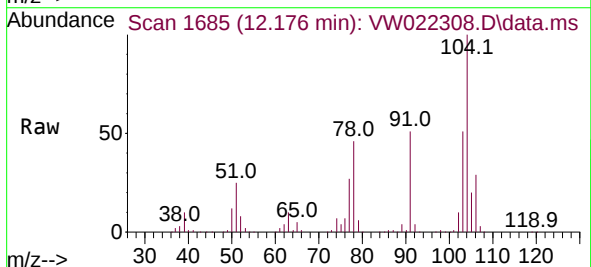
Instrument :  
MSVOA\_W  
ClientSampleId :

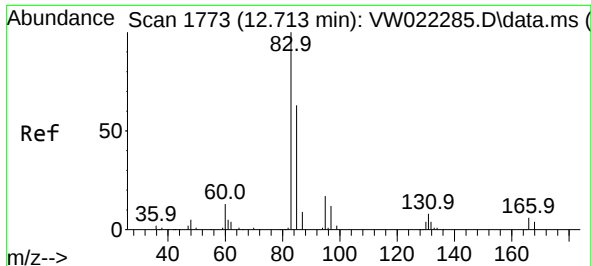
Tgt Ion:106 Resp: 84187  
Ion Ratio Lower Upper  
106 100  
91 204.5 136.9 254.3



#55  
Styrene  
Concen: 28.430 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Tgt Ion:104 Resp: 143589  
Ion Ratio Lower Upper  
104 100  
78 45.7 27.8 51.6





#57

1,1,2,2-Tetrachloroethane

Concen: 30.105 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022308.D

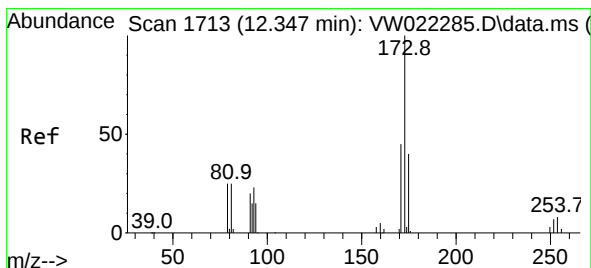
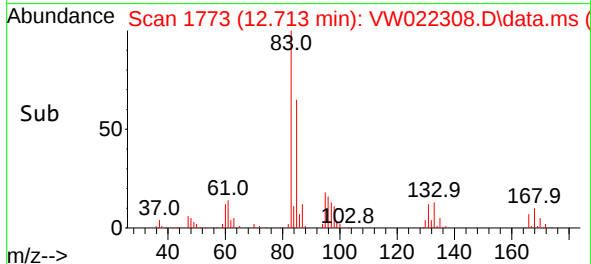
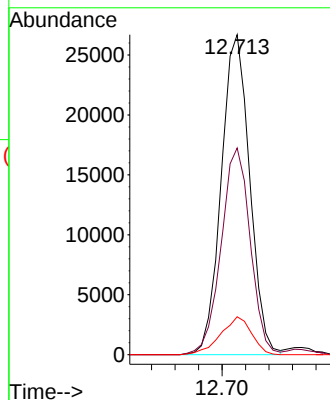
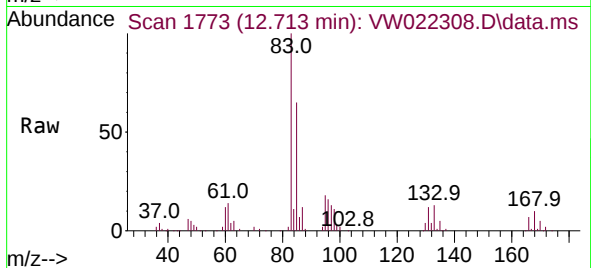
Acq: 11 Mar 2022 18:32

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 44890 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.6  | 44.2  | 82.0  |
| 131      | 11.9  | 9.4   | 14.0  |



#59

Bromoform

Concen: 25.290 ug/L

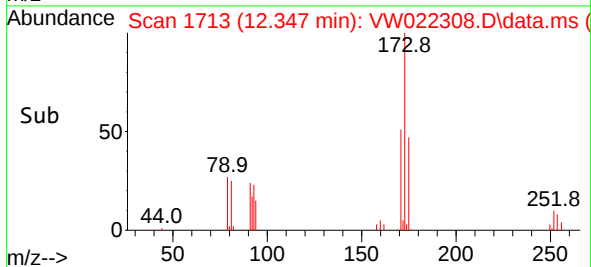
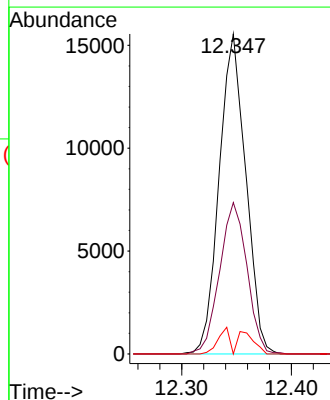
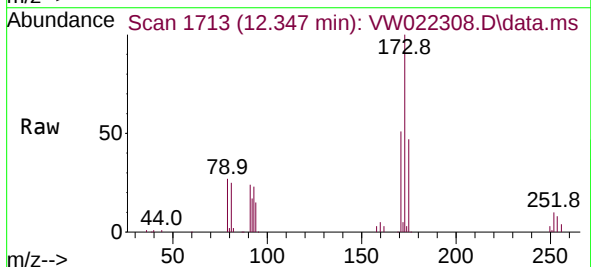
RT: 12.347 min Scan# 1713

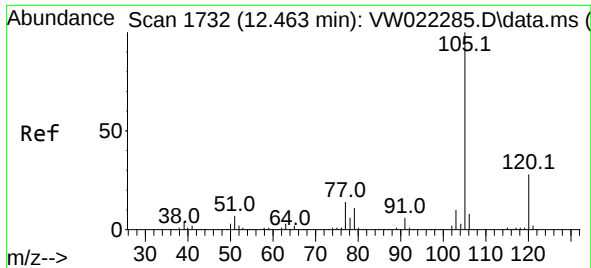
Delta R.T. -0.000 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 26204 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.7  | 38.2  | 57.4  |
| 254      | 3.6   | 5.0   | 7.6#  |

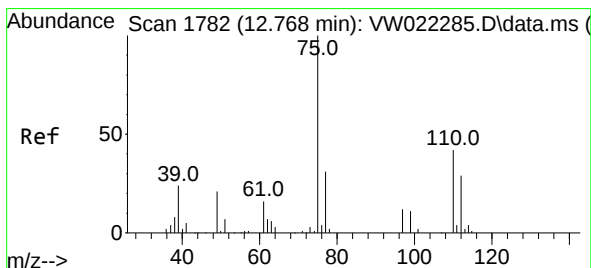
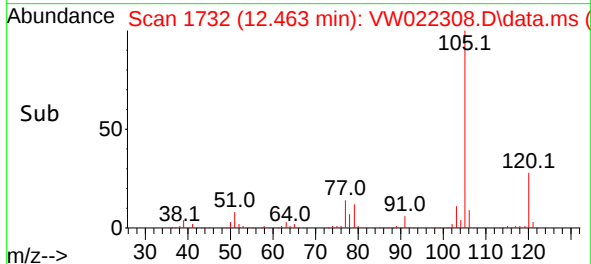
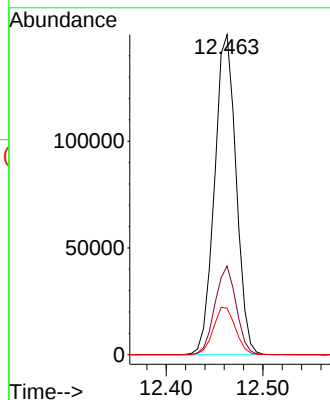
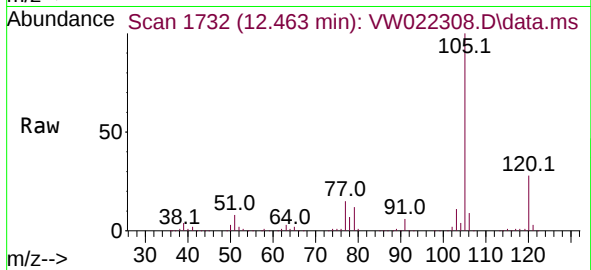




#60  
Isopropylbenzene  
Concen: 24.648 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

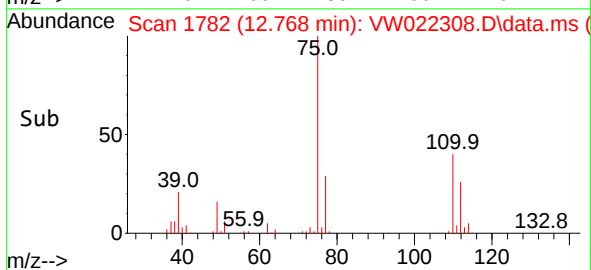
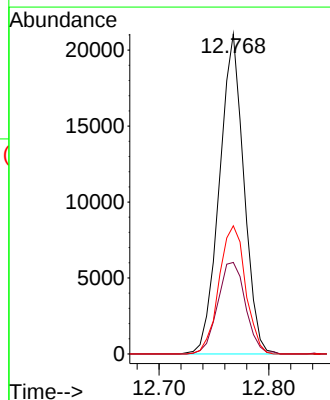
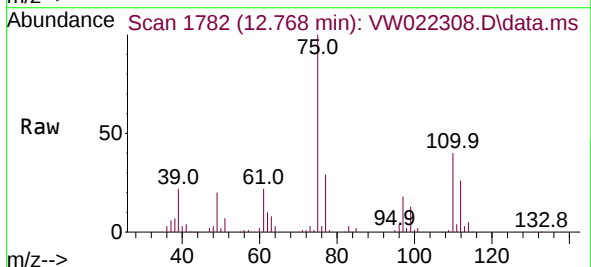
Instrument :  
MSVOA\_W  
ClientSampleId :

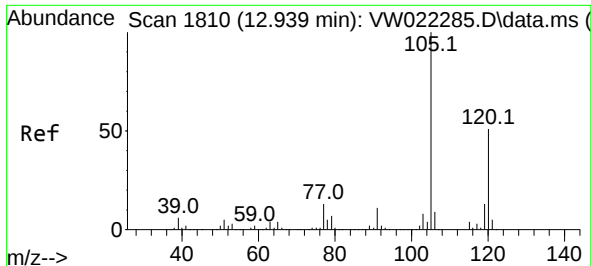
Tgt Ion:105 Resp: 231837  
Ion Ratio Lower Upper  
105 100  
120 27.3 22.1 33.1  
77 15.2 12.0 18.0



#61  
1,2,3-Trichloropropane  
Concen: 26.410 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Tgt Ion: 75 Resp: 32660  
Ion Ratio Lower Upper  
75 100  
77 32.4 27.1 40.7  
110 43.2 36.7 55.1

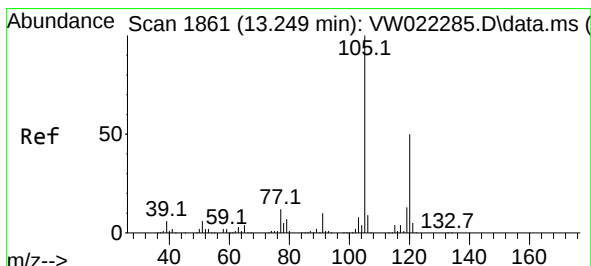
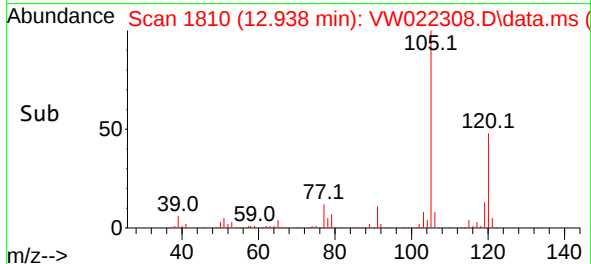
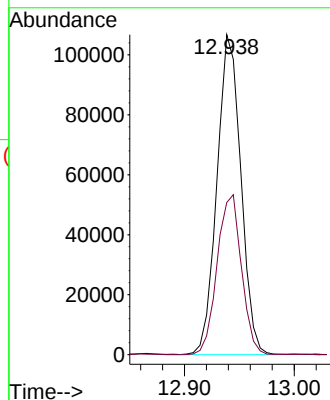
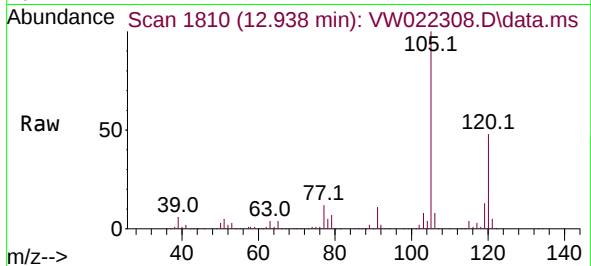




#62  
1,3,5-Trimethylbenzene  
Concen: 25.890 ug/L  
RT: 12.938 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

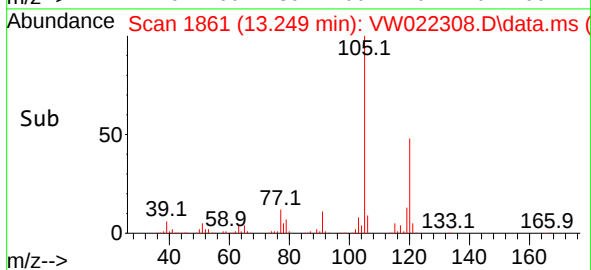
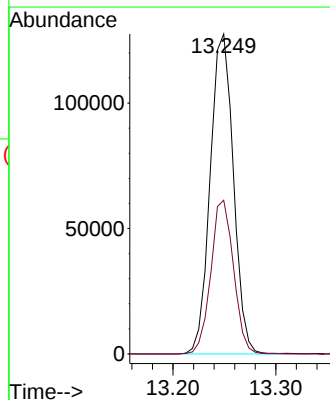
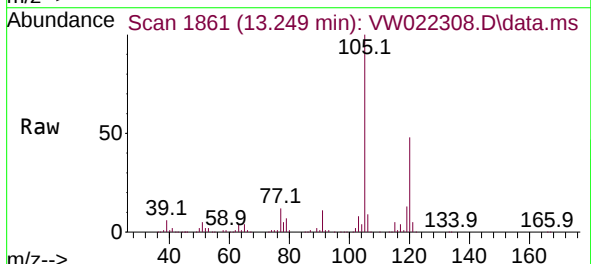
Instrument :  
MSVOA\_W  
ClientSampleId :

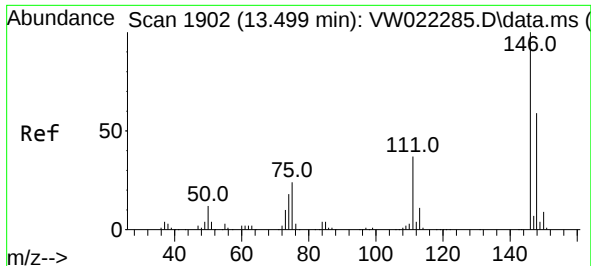
Tgt Ion:105 Resp: 161929  
Ion Ratio Lower Upper  
105 100  
120 50.8 41.5 62.3



#63  
1,2,4-Trimethylbenzene  
Concen: 26.135 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Tgt Ion:105 Resp: 199769  
Ion Ratio Lower Upper  
105 100  
120 47.0 39.2 58.8

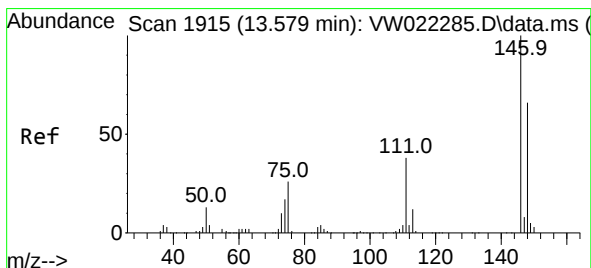
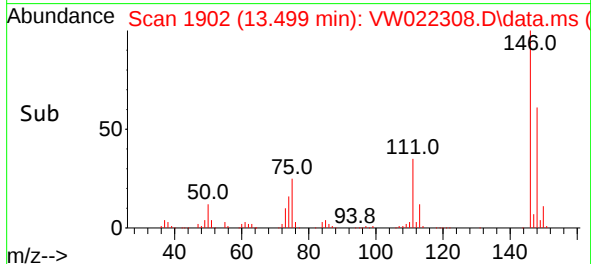
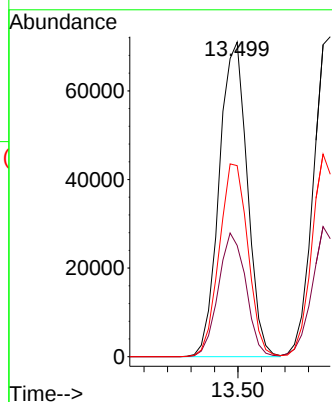
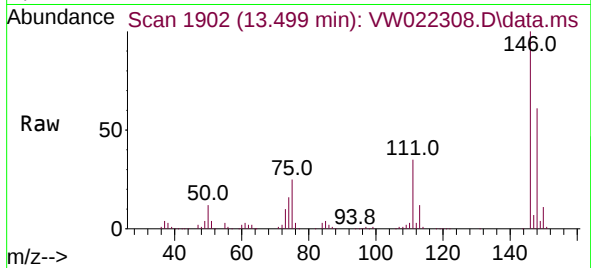




#64  
1,3-Dichlorobenzene  
Concen: 25.226 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

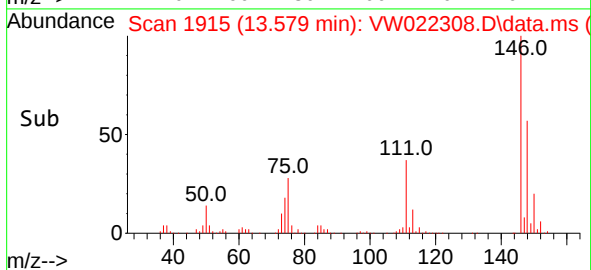
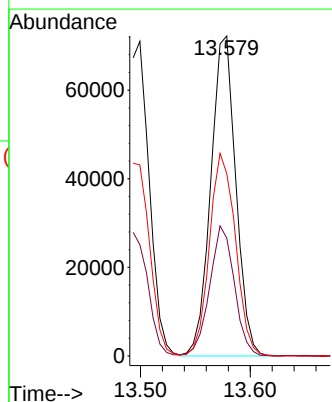
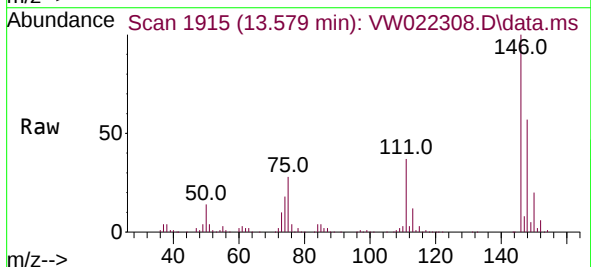
Instrument :  
MSVOA\_W  
ClientSampleId :

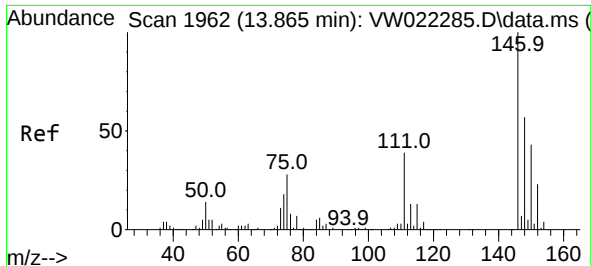
Tgt Ion:146 Resp: 117702  
Ion Ratio Lower Upper  
146 100  
111 35.3 26.9 49.9  
148 60.7 41.6 77.2



#65  
1,4-Dichlorobenzene  
Concen: 24.584 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Tgt Ion:146 Resp: 114948  
Ion Ratio Lower Upper  
146 100  
111 36.8 27.5 51.1  
148 57.0 42.9 79.7





#67

1,2-Dichlorobenzene

Concen: 26.141 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

Instrument :

MSVOA\_W

ClientSampleId :

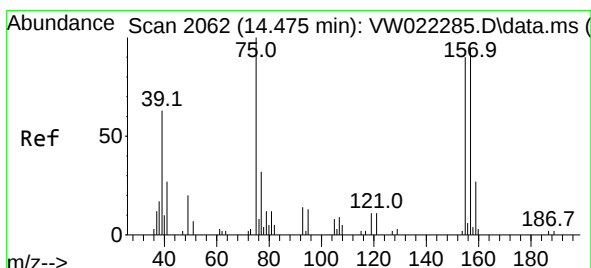
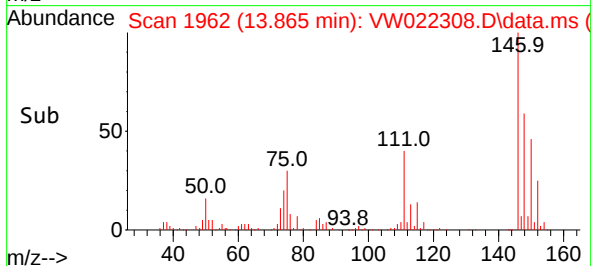
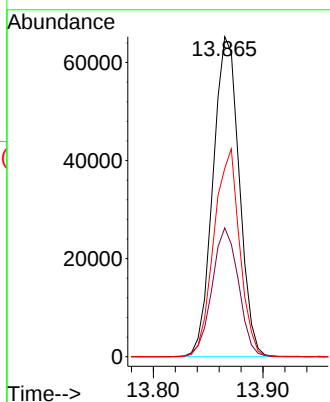
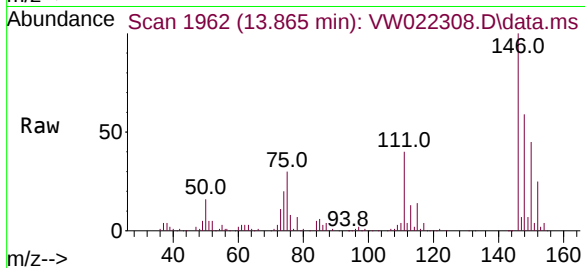
Tgt Ion:146 Resp: 108444

Ion Ratio Lower Upper

146 100

111 40.3 34.8 52.2

148 58.9 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 26.975 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.006 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

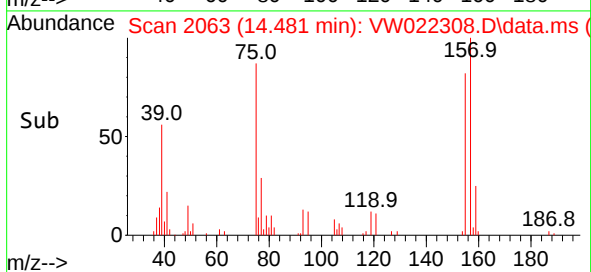
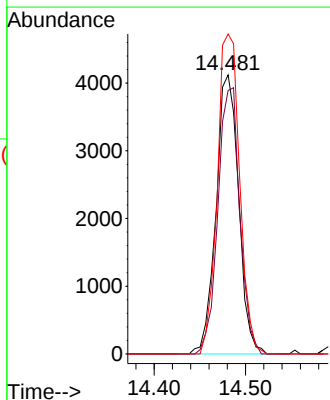
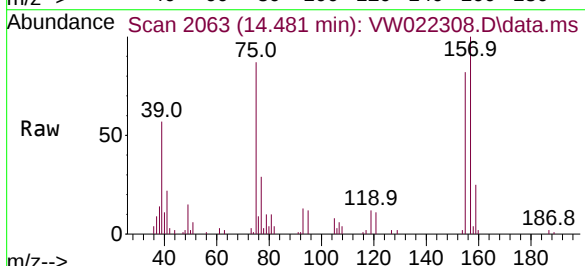
Tgt Ion: 75 Resp: 7052

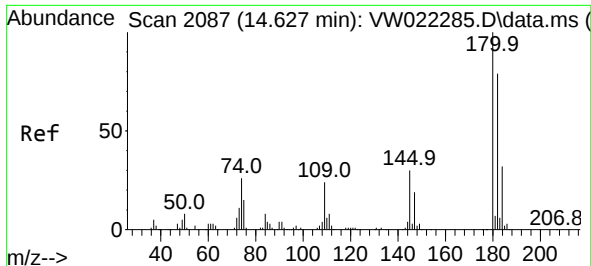
Ion Ratio Lower Upper

75 100

155 94.4 58.2 87.2#

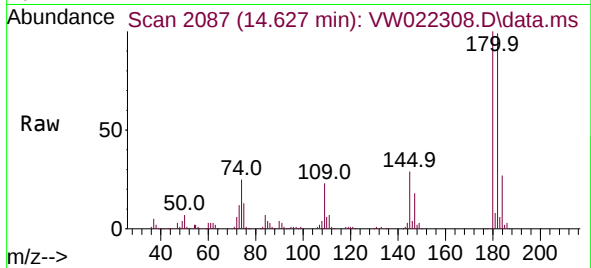
157 114.7 80.5 120.7



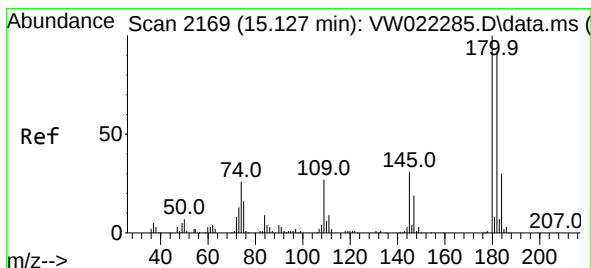
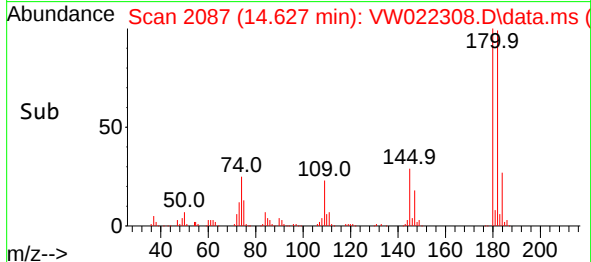
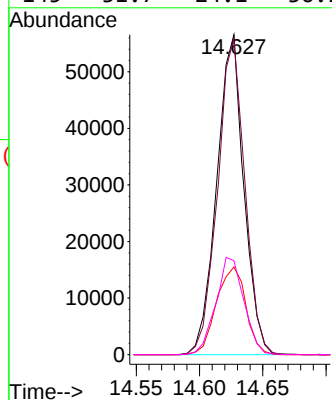


#69  
1,3,5-Trichlorobenzene  
Concen: 25.054 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Instrument :  
MSVOA\_W  
ClientSampleId :

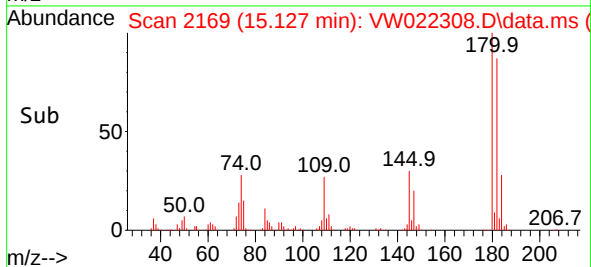
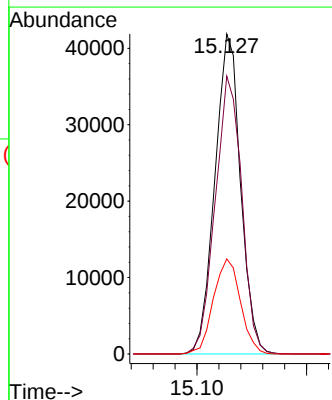
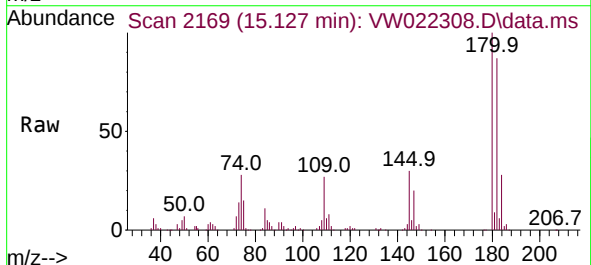


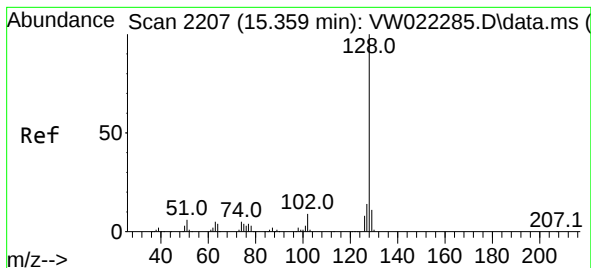
Tgt Ion:180 Resp: 83906  
Ion Ratio Lower Upper  
180 100  
182 99.3 69.4 104.0  
184 29.8 21.8 32.8  
145 31.7 24.1 36.1



#70  
1,2,4-trichlorobenzene  
Concen: 26.884 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. -0.000 min  
Lab File: VW022308.D  
Acq: 11 Mar 2022 18:32

Tgt Ion:180 Resp: 68123  
Ion Ratio Lower Upper  
180 100  
182 89.6 77.8 116.6  
145 31.3 25.8 38.6





#71

Naphthalene

Concen: 28.888 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. -0.000 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

Instrument :

MSVOA\_W

ClientSampleId :

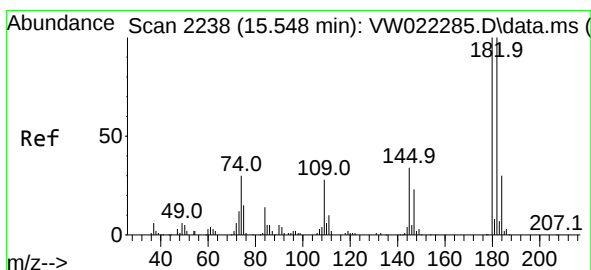
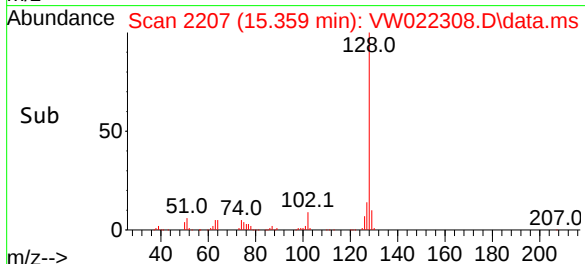
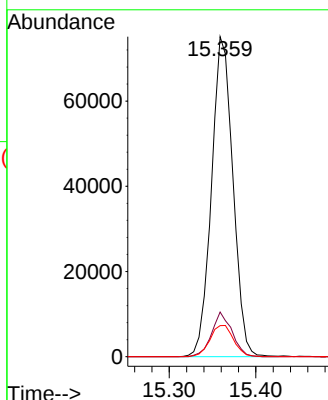
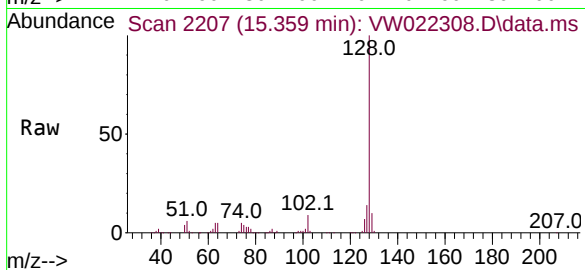
Tgt Ion:128 Resp: 129222

Ion Ratio Lower Upper

128 100

127 13.2 11.0 16.6

129 10.8 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 26.906 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW022308.D

Acq: 11 Mar 2022 18:32

Tgt Ion:180 Resp: 58972

Ion Ratio Lower Upper

180 100

182 95.7 79.0 118.4

145 34.7 28.0 42.0

