

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW050222\  
 Data File : VW022730.D  
 Acq On : 02 May 2022 10:22  
 Operator : SY/VA  
 Sample : VSTD00502  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: May 02 23:59:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon May 02 23:58:08 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114  | 310222   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117  | 302084   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152  | 161718   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65   | 33693    | 5.294  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.885  | 69   | 19392    | 4.683  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63   | 42016    | 5.113  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.330  | 46   | 183      | 0.152  | ug/L   | 0.25     |
| 24) Chloroform-d              | 7.647  | 84   | 43116    | 4.744  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65   | 23937    | 4.802  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.275  | 84   | 83401    | 4.790  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67   | 23389    | 4.782  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.323 | 98   | 76897    | 4.572  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79   | 10402    | 4.619  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.927 | 63   | 7598     | 8.138  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84   | 20341    | 4.462  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152  | 26217    | 4.638  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007  | 85   | 8631     | 5.156  | ug/L   | 93       |
| 3) Chloromethane              | 2.221  | 50   | 17864    | 5.467  | ug/L   | 98       |
| 5) Vinyl chloride             | 2.361  | 62   | 35335    | 5.388  | ug/L   | 92       |
| 6) Bromomethane               | 2.776  | 94   | 24645    | 5.853  | ug/L   | 97       |
| 8) Chloroethane               | 2.922  | 64   | 16049    | 5.074  | ug/L   | 91       |
| 9) Trichlorofluoromethane     | 3.251  | 101  | 14931    | 4.981  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101  | 11099    | 2.487  | ug/L # | 11       |
| 12) 1,1-Dichloroethene        | 4.050  | 96   | 21252    | 5.349  | ug/L   | 79       |
| 13) Acetone                   | 4.129  | 43   | 8514     | 10.386 | ug/L   | 99       |
| 14) Carbon disulfide          | 4.379  | 76   | 57203    | 5.251  | ug/L   | 99       |
| 15) Methyl Acetate            | 4.489  | 43   | 95       | 0.050  | ug/L   | 90       |
| 16) Methylene chloride        | 4.922  | 84   | 23942    | 5.274  | ug/L   | 91       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96   | 23619    | 5.282  | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.422  | 73   | 32274    | 4.739  | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 6.220  | 63   | 39603    | 5.226  | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96   | 24041    | 5.006  | ug/L # | 93       |
| 22) 2-Butanone                | 7.177  | 43   | 12440    | 9.833  | ug/L   | 100      |
| 23) Bromochloromethane        | 7.513  | 128  | 11326    | 5.036  | ug/L   | 86       |
| 25) Chloroform                | 7.677  | 83   | 42172    | 5.033  | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 28648    | 5.129  | ug/L   | 99       |
| 29) Cyclohexane               | 7.958  | 56   | 33770    | 5.169  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 36144    | 5.063  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 33317    | 4.989  | ug/L   | 97       |
| 33) Benzene                   | 8.323  | 78   | 91701    | 5.153  | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 26486    | 5.412  | ug/L   | 92       |
| 35) Methylcyclohexane         | 9.335  | 83   | 41934    | 5.216  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 22109    | 5.134  | ug/L # | 96       |
| 38) Bromodichloromethane      | 9.640  | 83   | 30054    | 4.913  | ug/L   | 93       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 32527    | 4.871  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 25533    | 9.406  | ug/L   | 98       |
| 42) Toluene                   | 10.384 | 91   | 101053   | 5.067  | ug/L   | 92       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 27253    | 4.572  | ug/L   | 96       |

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 Data File : VW022730.D  
 Acq On : 02 May 2022 10:22  
 Operator : SY/VA  
 Sample : VSTD00502  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: May 02 23:59:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon May 02 23:58:08 2022  
 Response via : Initial Calibration

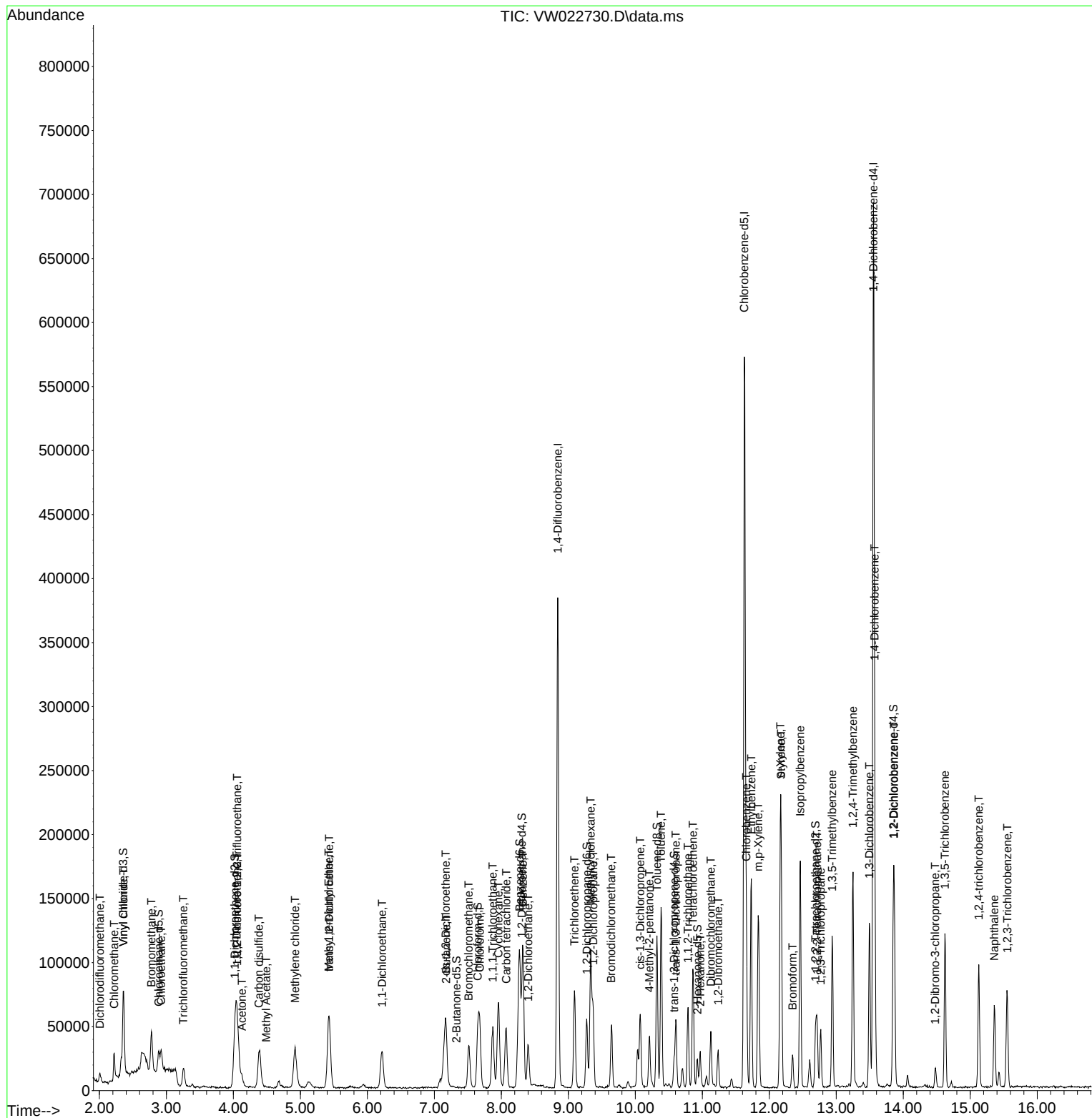
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 18418    | 5.116 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.860 | 164  | 18951    | 5.153 | ug/L   | 93       |
| 48) 2-Hexanone                | 10.969 | 43   | 16408    | 9.047 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 20495    | 4.730 | ug/L   | 89       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 18294    | 5.061 | ug/L   | 93       |
| 51) Chlorobenzene             | 11.658 | 112  | 65875    | 5.010 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.731 | 91   | 110150   | 4.964 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.835 | 106  | 43348    | 4.958 | ug/L   | 98       |
| 54) o-Xylene                  | 12.164 | 106  | 40774    | 4.860 | ug/L   | 97       |
| 55) Styrene                   | 12.176 | 104  | 66968    | 4.698 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 22191    | 4.935 | ug/L   | 99       |
| 59) Bromoform                 | 12.347 | 173  | 9968     | 4.349 | ug/L # | 96       |
| 60) Isopropylbenzene          | 12.463 | 105  | 113018   | 5.101 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 16759    | 5.186 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 59979    | 4.866 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 91588    | 4.949 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 48117    | 4.865 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 52096    | 5.099 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 44907    | 4.961 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.475 | 75   | 3541     | 5.014 | ug/L # | 73       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 33060    | 5.035 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 25500    | 4.828 | ug/L   | 99       |
| 71) Naphthalene               | 15.359 | 128  | 51448    | 4.482 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 21781    | 4.653 | ug/L   | 92       |

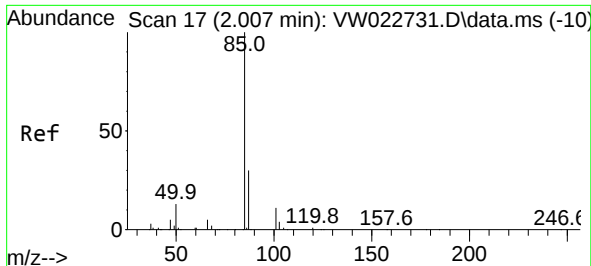
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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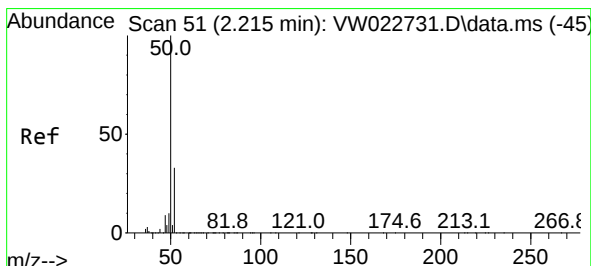
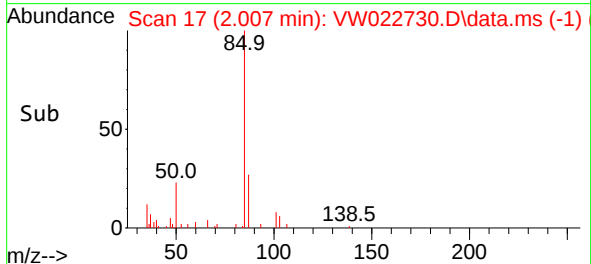
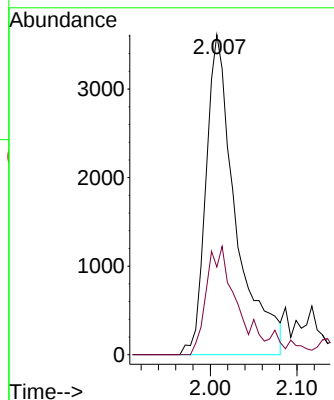
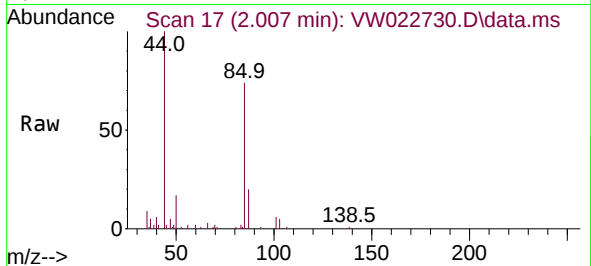




#2  
Dichlorodifluoromethane  
Concen: 5.156 ug/L  
RT: 2.007 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

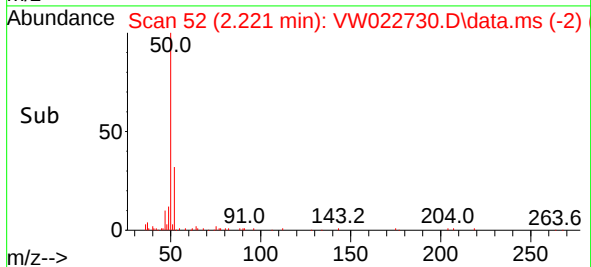
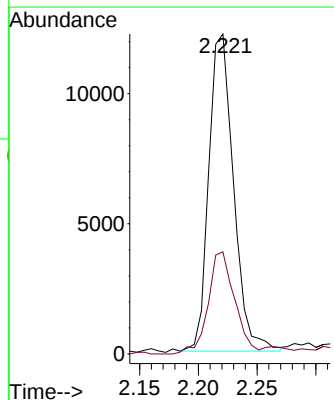
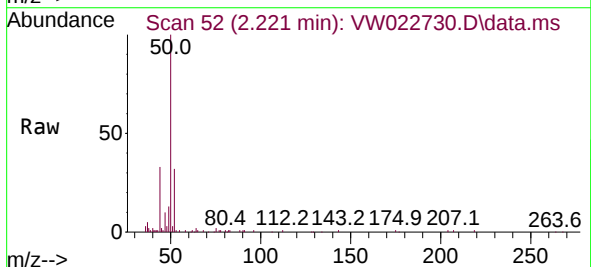
Instrument :  
MSVOA\_W  
ClientSampleId :

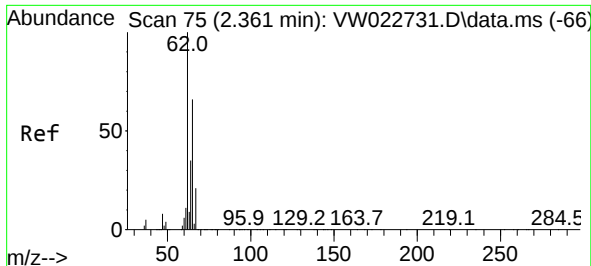
Tgt Ion: 85 Resp: 8631  
Ion Ratio Lower Upper  
85 100  
87 30.8 27.8 41.8



#3  
Chloromethane  
Concen: 5.467 ug/L  
RT: 2.221 min Scan# 52  
Delta R.T. 0.006 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

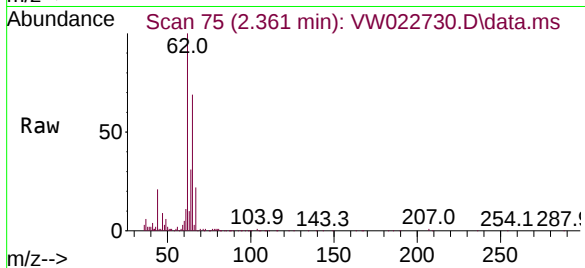
Tgt Ion: 50 Resp: 17864  
Ion Ratio Lower Upper  
50 100  
52 31.9 23.1 42.9



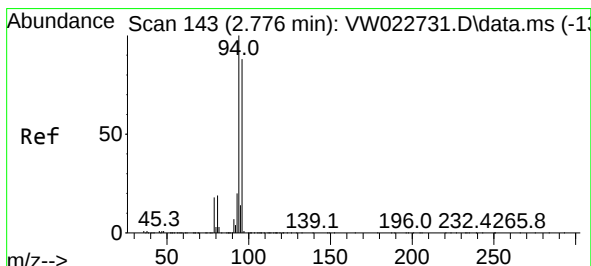
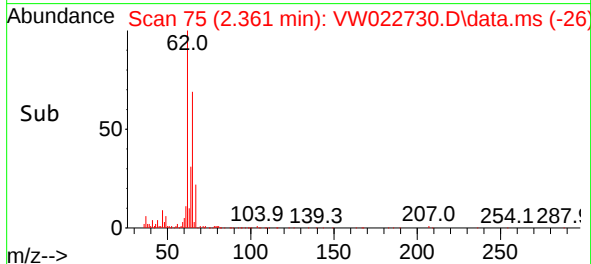
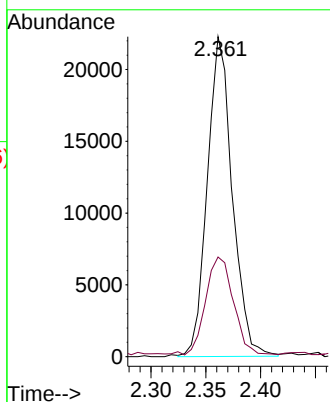


#5  
 Vinyl chloride  
 Concen: 5.388 ug/L  
 RT: 2.361 min Scan# 75  
 Delta R.T. 0.000 min  
 Lab File: VW022730.D  
 Acq: 02 May 2022 10:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :

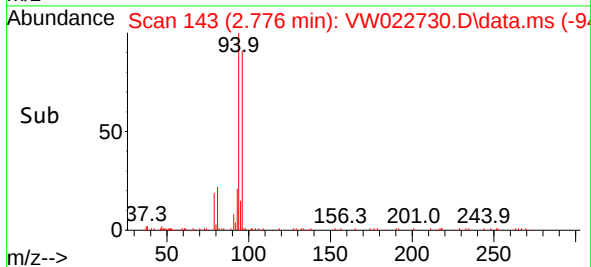
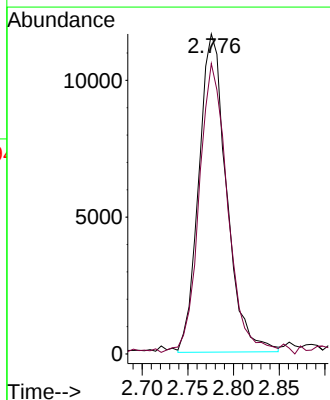
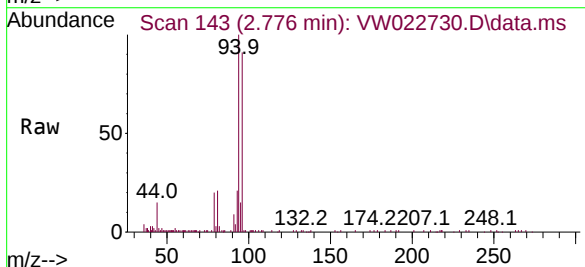


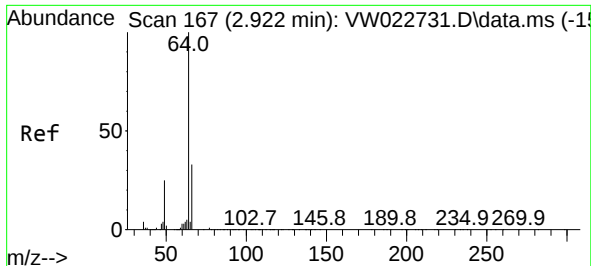
Tgt Ion: 62 Resp: 35335  
 Ion Ratio Lower Upper  
 62 100  
 64 31.1 24.9 46.3



#6  
 Bromomethane  
 Concen: 5.853 ug/L  
 RT: 2.776 min Scan# 143  
 Delta R.T. 0.000 min  
 Lab File: VW022730.D  
 Acq: 02 May 2022 10:22

Tgt Ion: 94 Resp: 24645  
 Ion Ratio Lower Upper  
 94 100  
 96 90.7 61.7 114.5

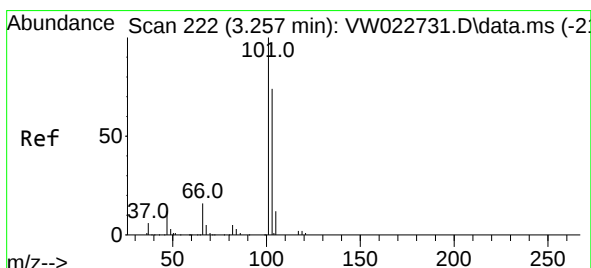
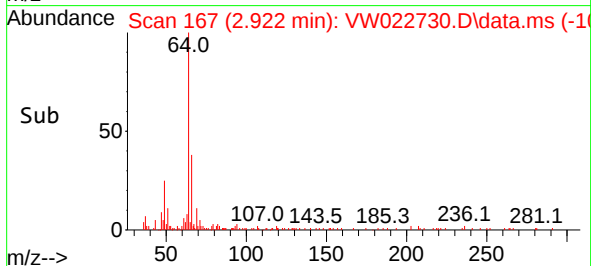
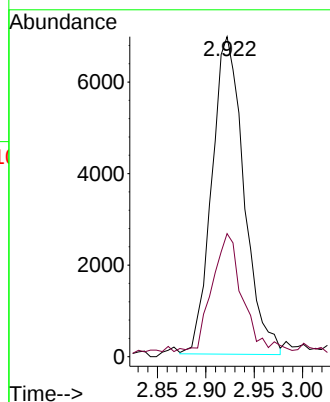
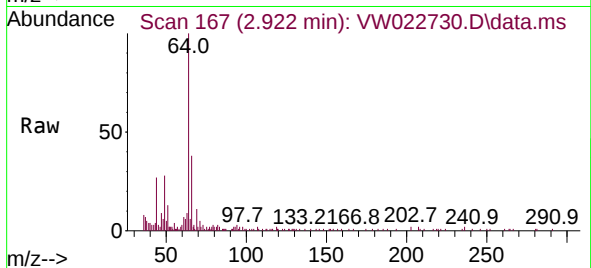




#8  
Chloroethane  
Concen: 5.074 ug/L  
RT: 2.922 min Scan# 167  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

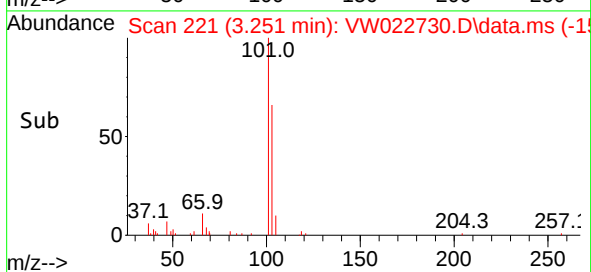
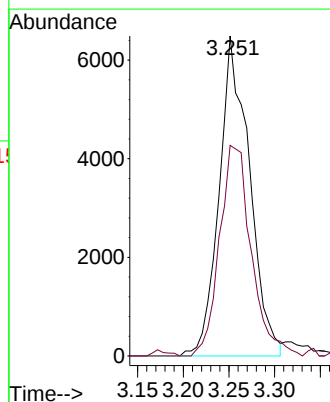
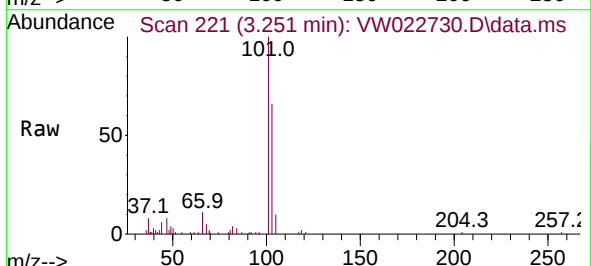
Instrument :  
MSVOA\_W  
ClientSampleId :

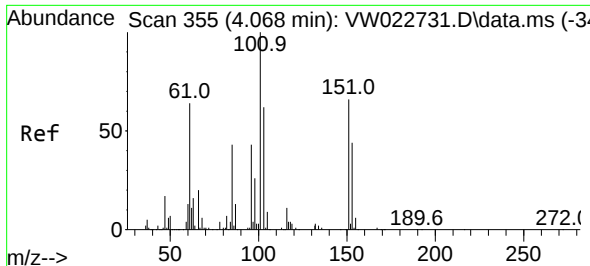
Tgt Ion: 64 Resp: 16049  
Ion Ratio Lower Upper  
64 100  
66 38.4 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 4.981 ug/L  
RT: 3.251 min Scan# 221  
Delta R.T. -0.006 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

Tgt Ion: 101 Resp: 14931  
Ion Ratio Lower Upper  
101 100  
103 69.1 53.9 80.9

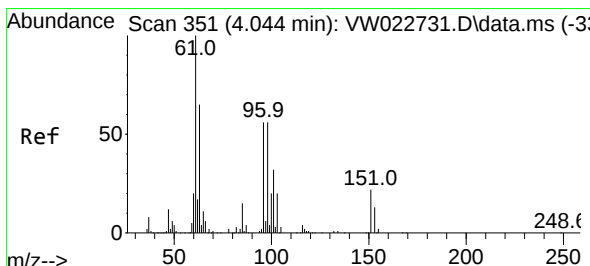
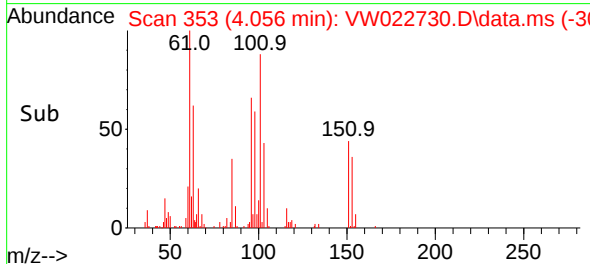
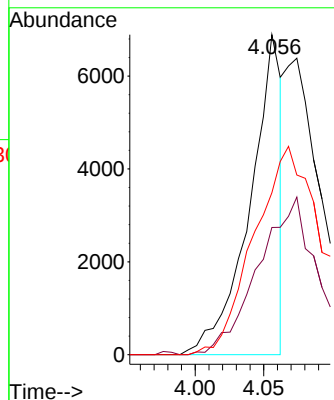
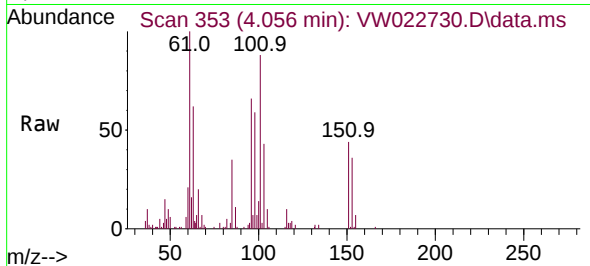




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 2.487 ug/L  
 RT: 4.056 min Scan# 311  
 Delta R.T. -0.012 min  
 Lab File: VW022730.D  
 Acq: 02 May 2022 10:22

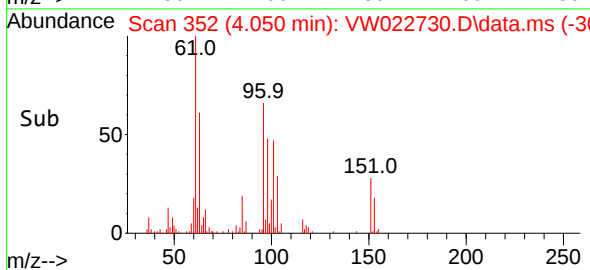
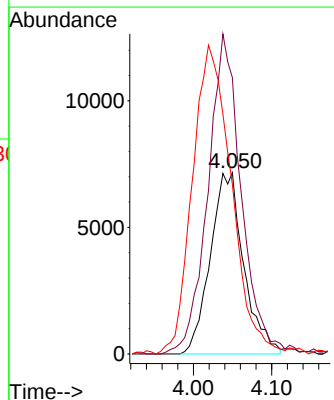
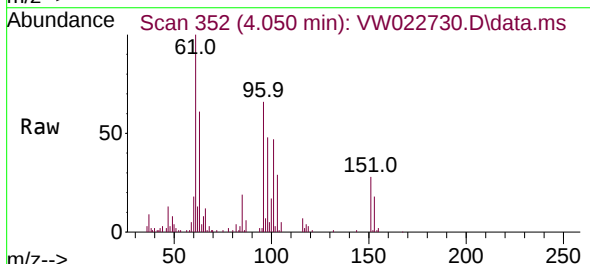
Instrument :  
 MSVOA\_W  
 ClientSampleId :

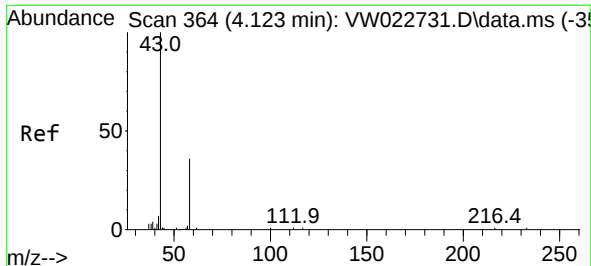
Tgt Ion:101 Resp: 11099  
 Ion Ratio Lower Upper  
 101 100  
 85 93.9 34.3 51.5#  
 151 144.1 54.2 81.2#



#12  
 1,1-Dichloroethene  
 Concen: 5.349 ug/L  
 RT: 4.050 min Scan# 352  
 Delta R.T. 0.006 min  
 Lab File: VW022730.D  
 Acq: 02 May 2022 10:22

Tgt Ion: 96 Resp: 21252  
 Ion Ratio Lower Upper  
 96 100  
 61 152.6 125.7 233.5  
 63 93.6 83.4 155.0

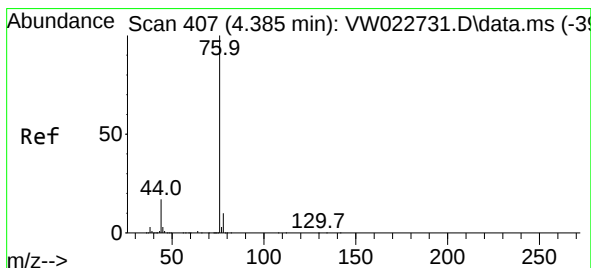
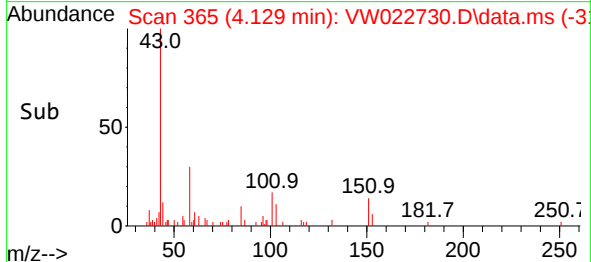
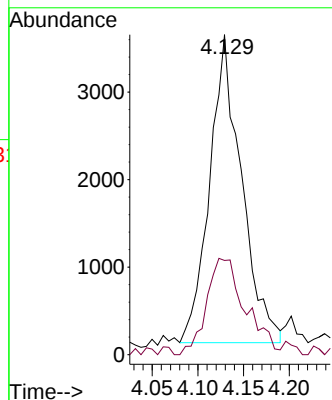
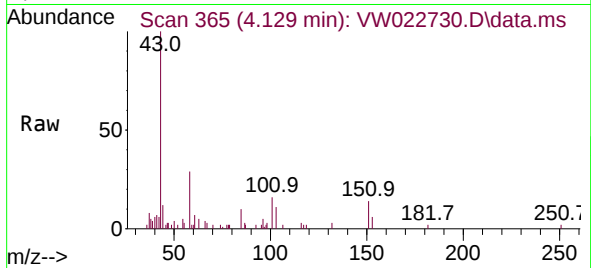




#13  
Acetone  
Concen: 10.386 ug/L  
RT: 4.129 min Scan# 364  
Delta R.T. 0.006 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

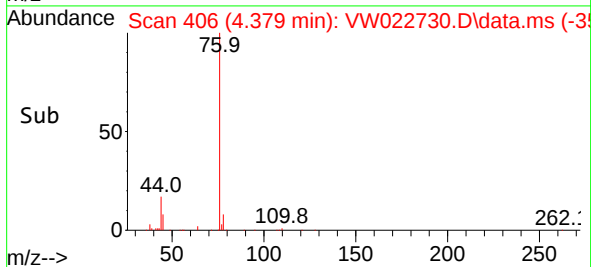
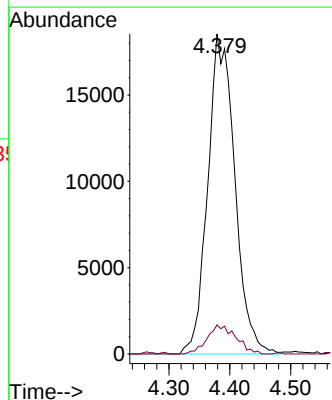
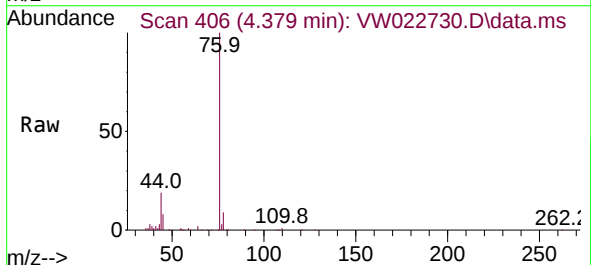
Instrument :  
MSVOA\_W  
ClientSampleId :

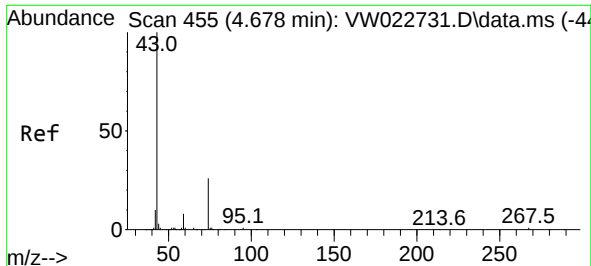
Tgt Ion: 43 Resp: 8514  
Ion Ratio Lower Upper  
43 100  
58 31.6 0.0 64.0



#14  
Carbon disulfide  
Concen: 5.251 ug/L  
RT: 4.379 min Scan# 406  
Delta R.T. -0.006 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

Tgt Ion: 76 Resp: 57203  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.7 11.5

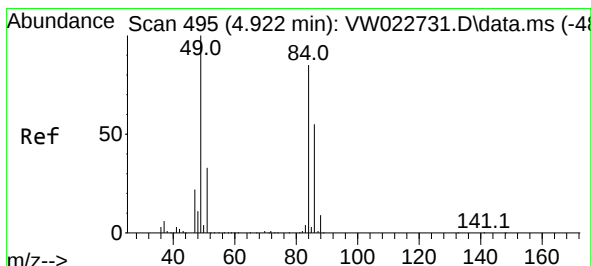
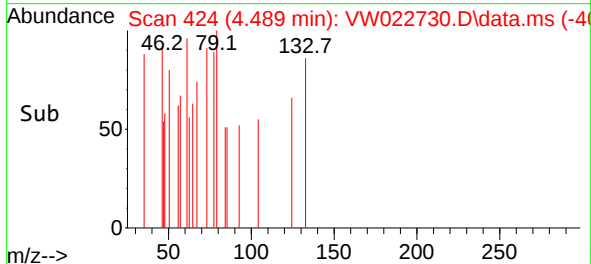
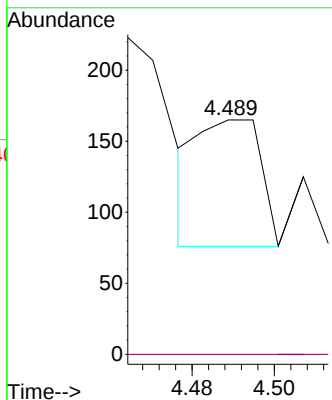
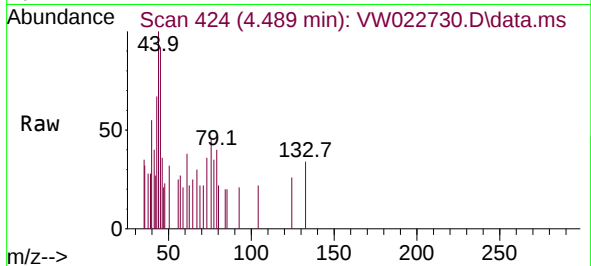




#15  
Methyl Acetate  
Concen: 0.050 ug/L  
RT: 4.489 min Scan# 41  
Delta R.T. -0.189 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

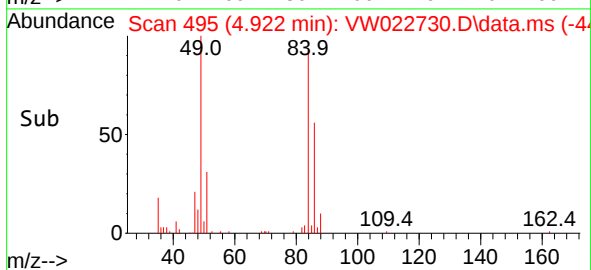
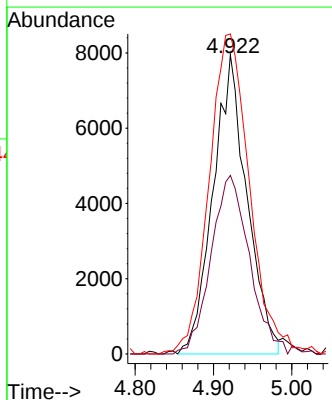
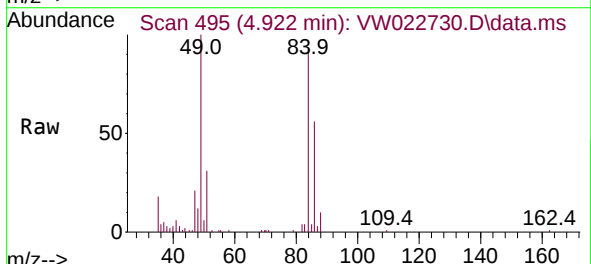
Instrument :  
MSVOA\_W  
ClientSampleId :

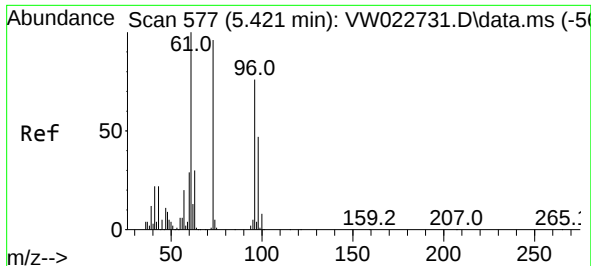
Tgt Ion: 43 Resp: 95  
Ion Ratio Lower Upper  
43 100  
74 22.1 21.9 32.9



#16  
Methylene chloride  
Concen: 5.274 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

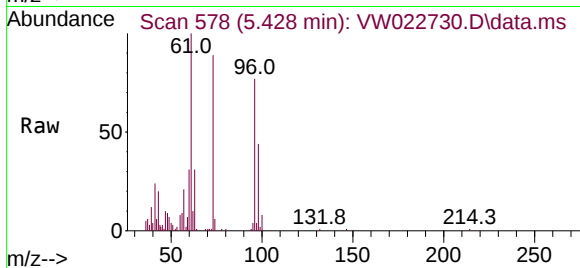
Tgt Ion: 84 Resp: 23942  
Ion Ratio Lower Upper  
84 100  
86 59.7 45.4 84.4  
49 107.0 82.5 153.1



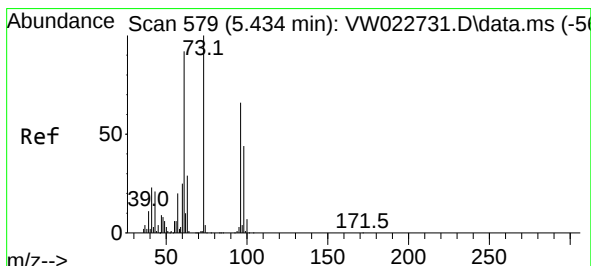
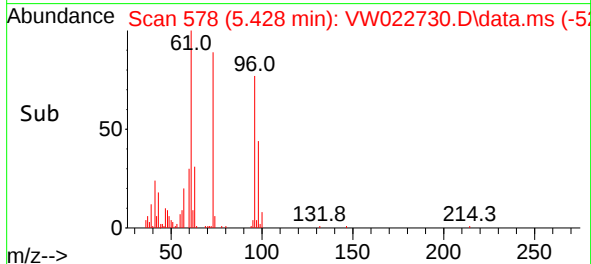
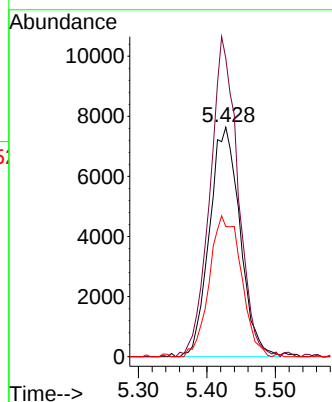


#17  
trans-1,2-Dichloroethene  
Concen: 5.282 ug/L  
RT: 5.428 min Scan# 577  
Delta R.T. 0.006 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :

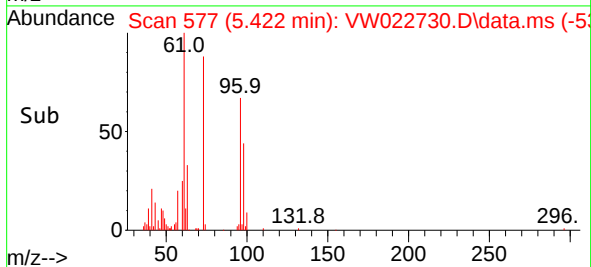
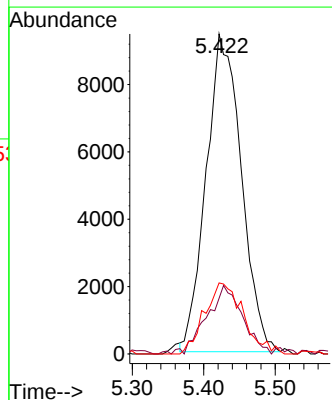
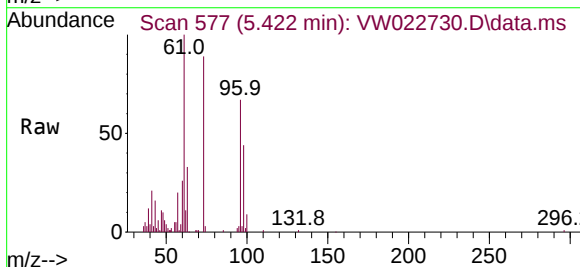


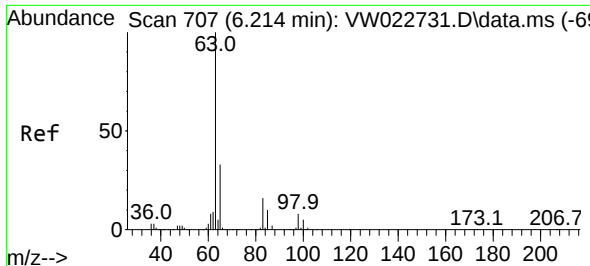
Tgt Ion: 96 Resp: 23619  
Ion Ratio Lower Upper  
96 100  
61 130.0 92.2 171.2  
98 56.7 42.9 79.7



#18  
Methyl tert-butyl Ether  
Concen: 4.739 ug/L  
RT: 5.422 min Scan# 577  
Delta R.T. -0.012 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

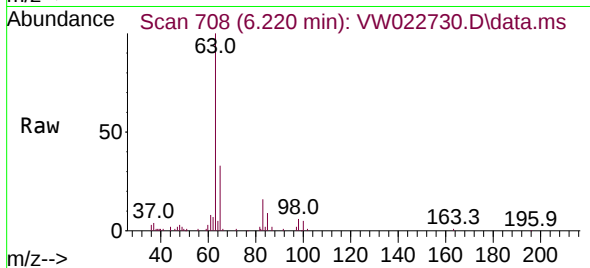
Tgt Ion: 73 Resp: 32274  
Ion Ratio Lower Upper  
73 100  
43 21.5 15.9 23.9  
57 23.7 16.5 24.7



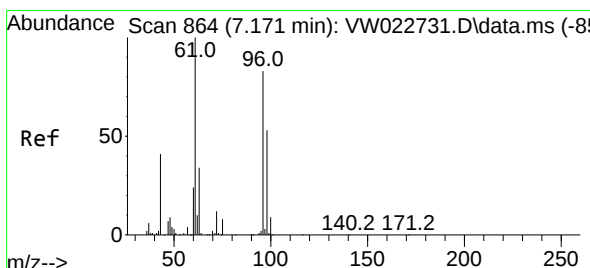
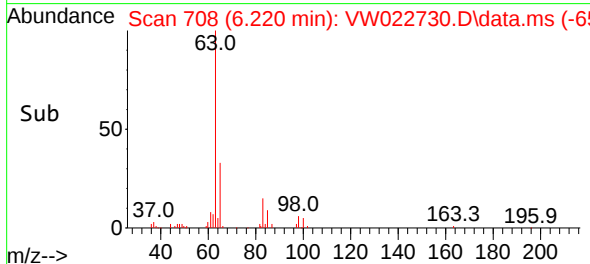
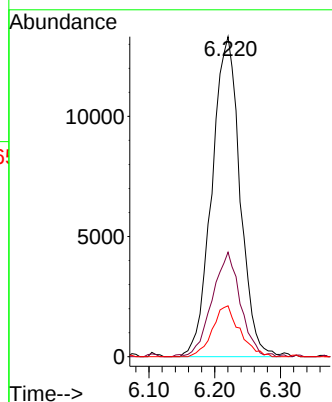


#19  
1,1-Dichloroethane  
Concen: 5.226 ug/L  
RT: 6.220 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :

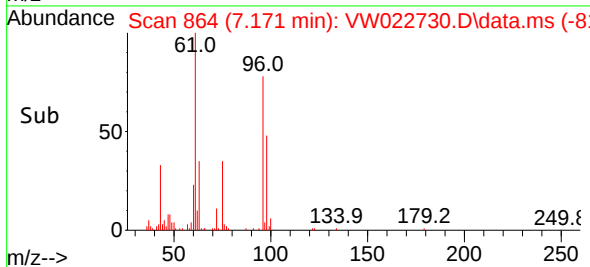
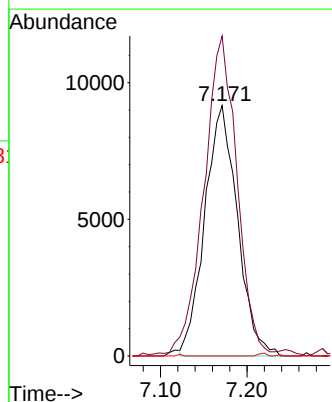
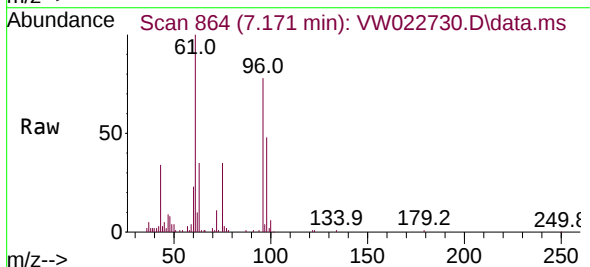


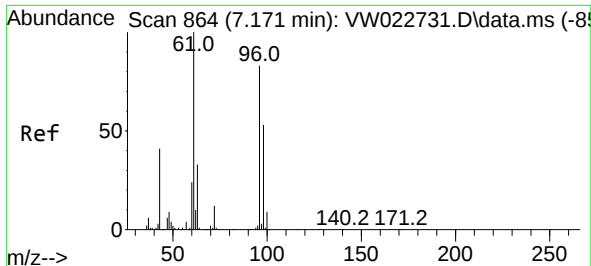
Tgt Ion: 63 Resp: 39603  
Ion Ratio Lower Upper  
63 100  
65 32.7 23.3 43.3  
83 15.9 11.1 20.5



#20  
cis-1,2-Dichloroethene  
Concen: 5.006 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

Tgt Ion: 96 Resp: 24041  
Ion Ratio Lower Upper  
96 100  
61 127.8 84.2 156.4  
68 0.0 0.1 0.1#

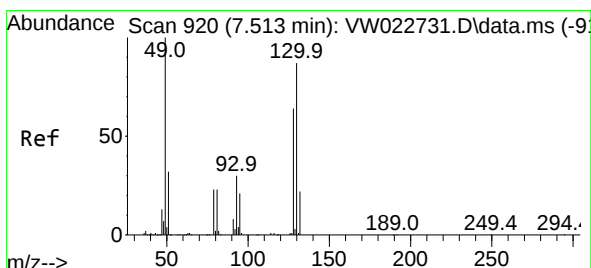
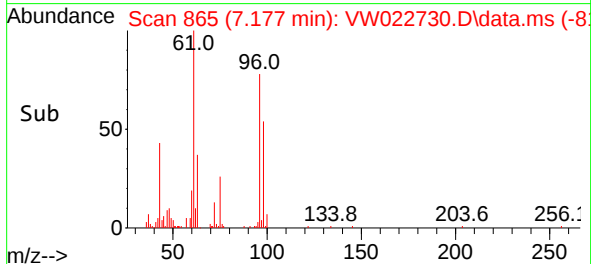
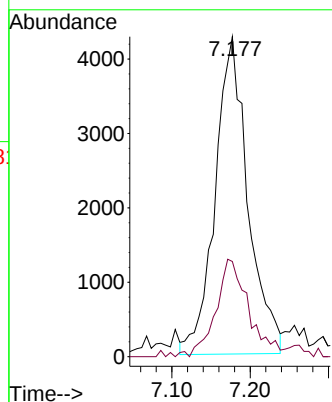
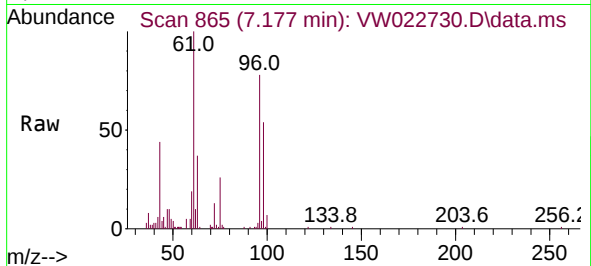




#22  
2-Butanone  
Concen: 9.833 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. 0.006 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

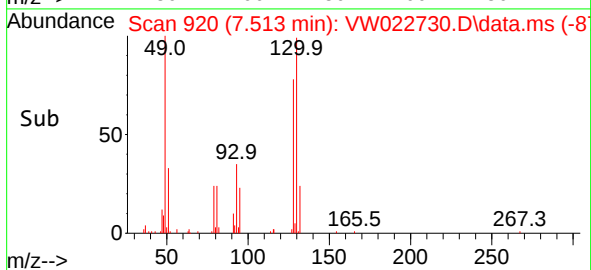
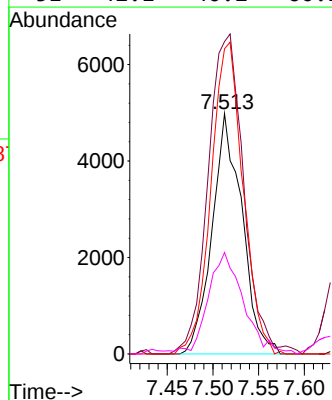
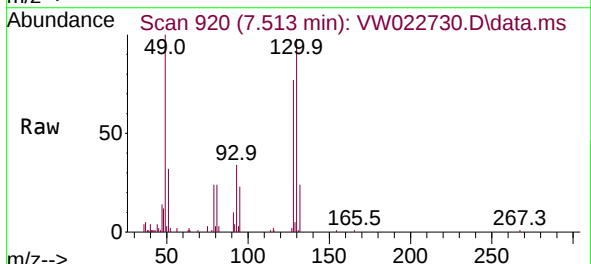
Instrument :  
MSVOA\_W  
ClientSampleId :

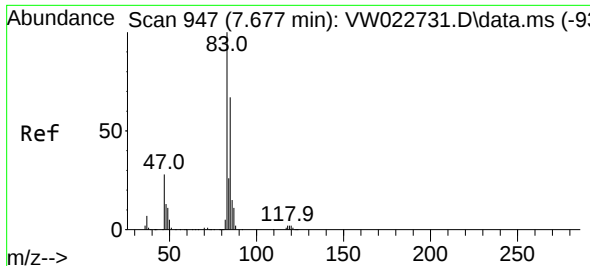
Tgt Ion: 43 Resp: 12440  
Ion Ratio Lower Upper  
43 100  
72 30.1 15.1 45.3



#23  
Bromochloromethane  
Concen: 5.036 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

Tgt Ion: 128 Resp: 11326  
Ion Ratio Lower Upper  
128 100  
49 129.8 110.0 204.4  
130 126.8 94.8 176.0  
51 42.1 40.2 60.2

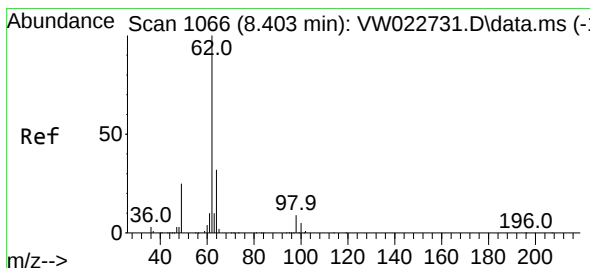
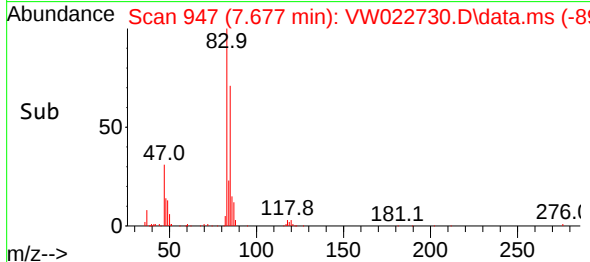
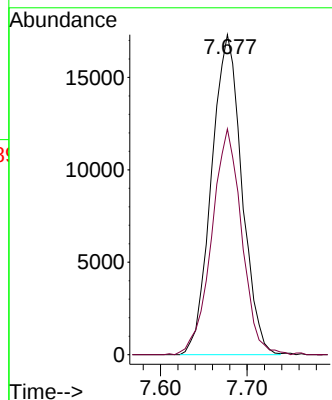
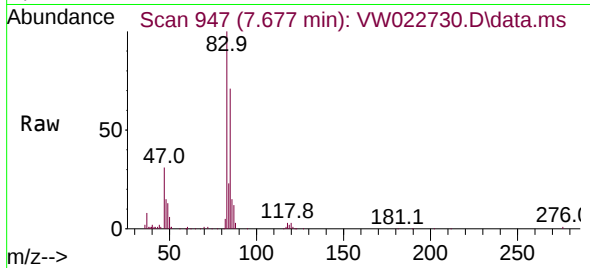




#25  
Chloroform  
Concen: 5.033 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

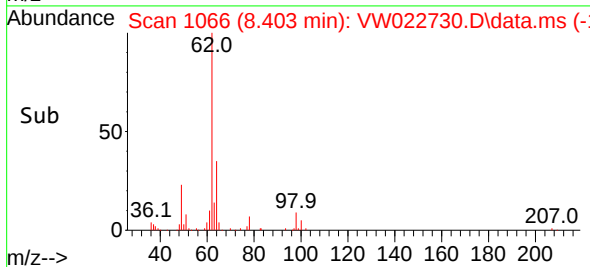
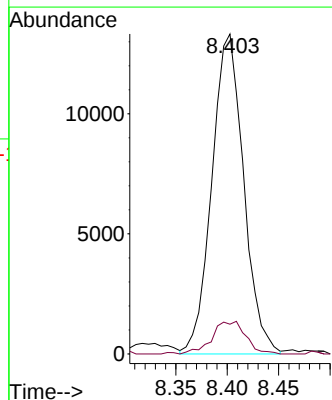
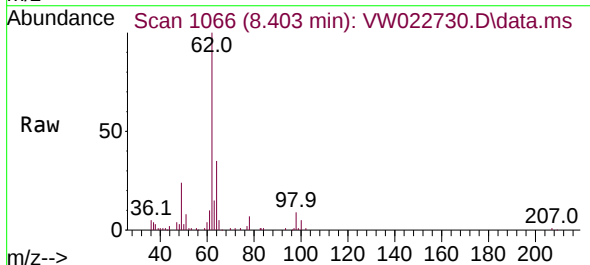
Instrument :  
MSVOA\_W  
ClientSampleId :

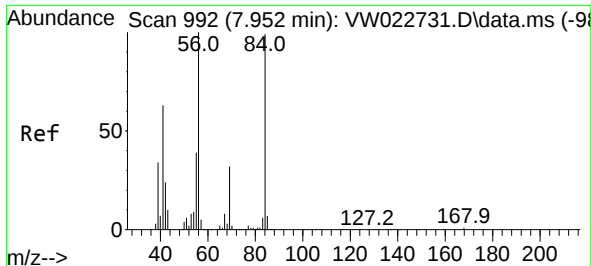
Tgt Ion: 83 Resp: 42172  
Ion Ratio Lower Upper  
83 100  
85 70.6 46.6 86.6



#27  
1,2-Dichloroethane  
Concen: 5.129 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

Tgt Ion: 62 Resp: 28648  
Ion Ratio Lower Upper  
62 100  
98 9.3 7.2 10.8





#29

Cyclohexane

Concen: 5.169 ug/L

RT: 7.958 min Scan# 992

Delta R.T. 0.006 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

Instrument :

MSVOA\_W

ClientSampleId :

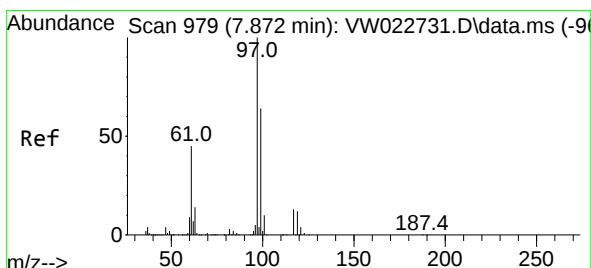
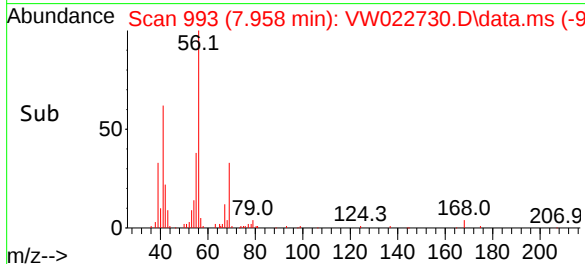
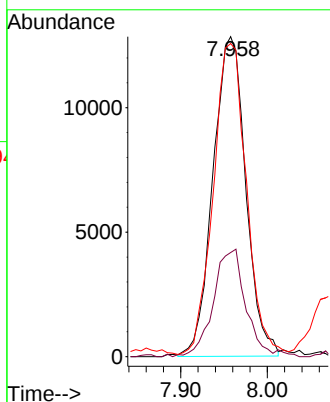
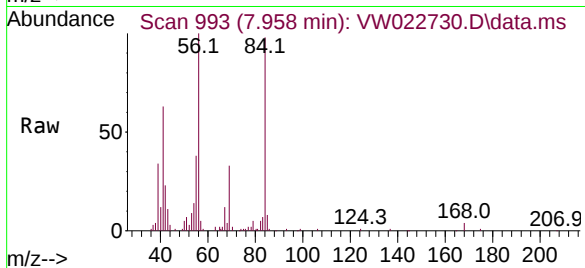
Tgt Ion: 56 Resp: 33770

Ion Ratio Lower Upper

56 100

69 32.6 25.6 38.4

84 99.8 78.2 117.4



#30

1,1,1-Trichloroethane

Concen: 5.063 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

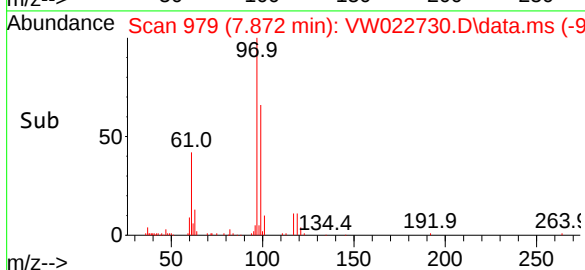
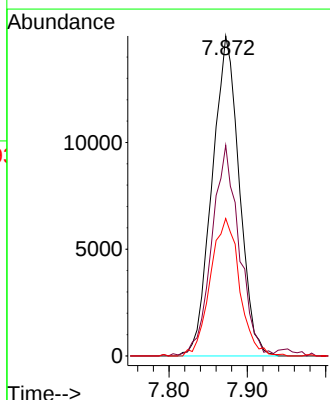
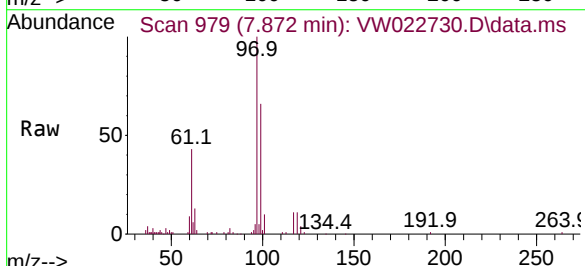
Tgt Ion: 97 Resp: 36144

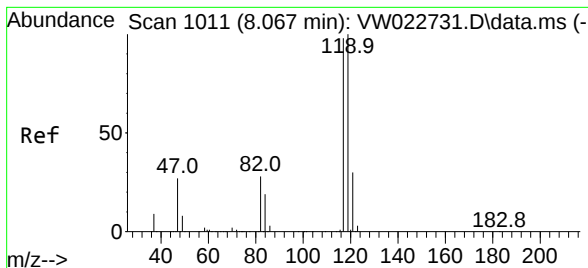
Ion Ratio Lower Upper

97 100

99 66.1 51.0 76.4

61 45.9 34.8 52.2





#31

Carbon tetrachloride

Concen: 4.989 ug/L

RT: 8.073 min Scan# 1011

Delta R.T. 0.006 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

Instrument :

MSVOA\_W

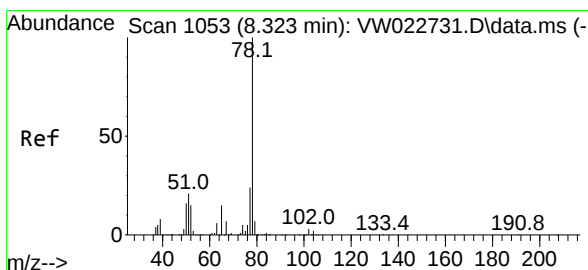
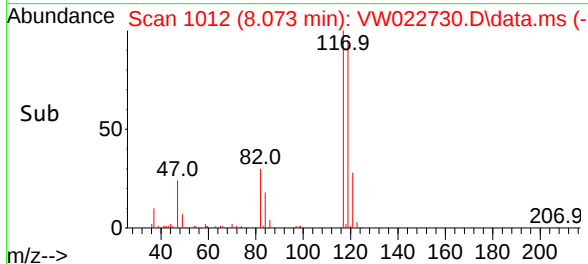
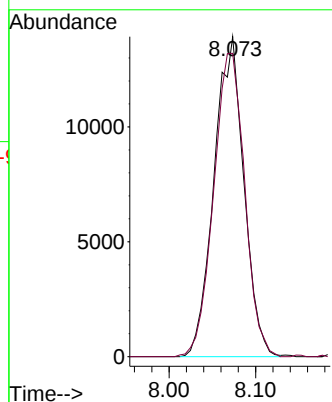
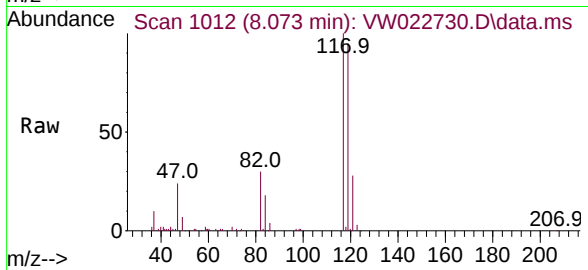
ClientSampleId :

Tgt Ion:117 Resp: 33317

Ion Ratio Lower Upper

117 100

119 98.8 76.6 115.0



#33

Benzene

Concen: 5.153 ug/L

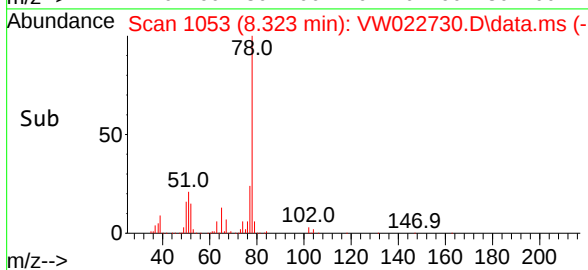
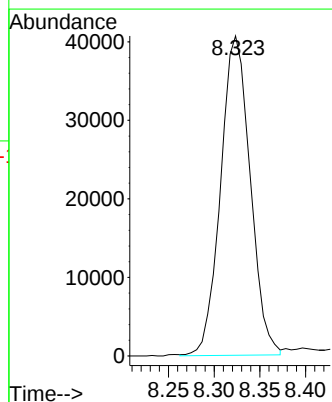
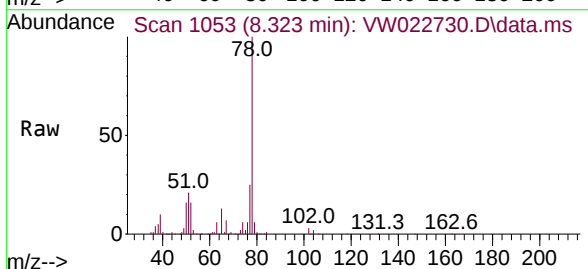
RT: 8.323 min Scan# 1053

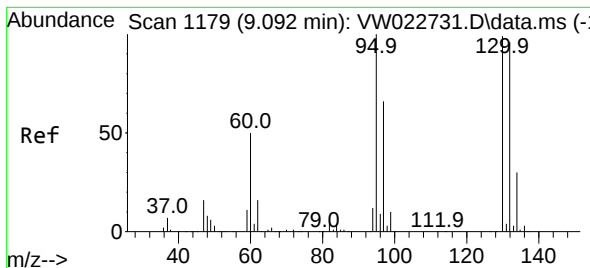
Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

Tgt Ion: 78 Resp: 91701





#34

Trichloroethene

Concen: 5.412 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 95 Resp: 26486

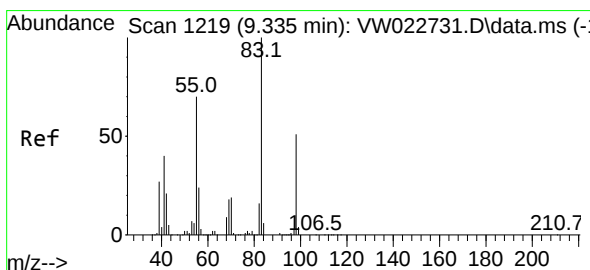
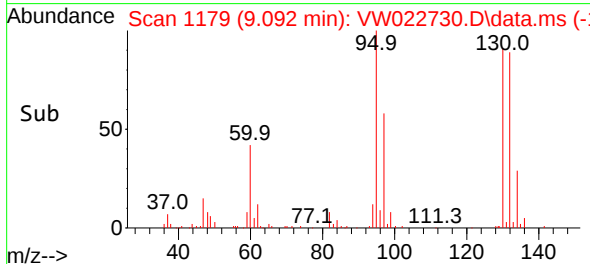
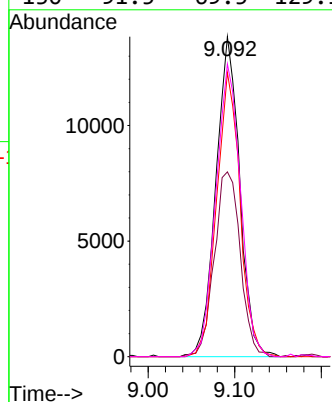
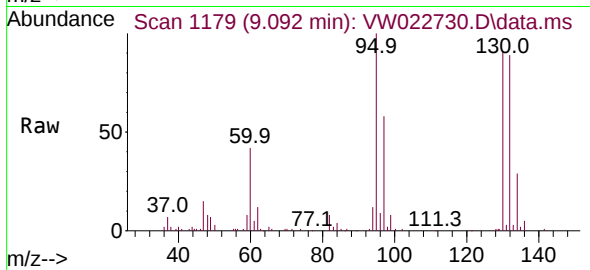
Ion Ratio Lower Upper

95 100

97 57.8 46.1 85.7

132 88.7 66.9 124.3

130 91.5 69.5 129.1



#35

Methylcyclohexane

Concen: 5.216 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

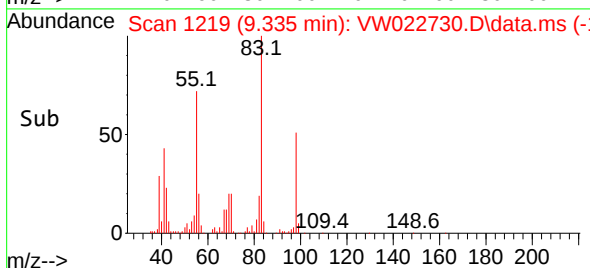
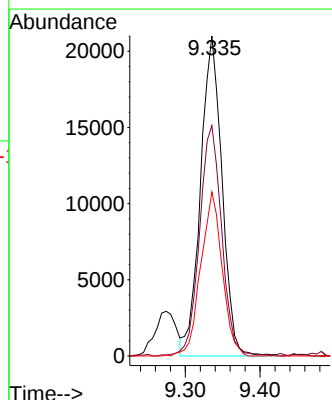
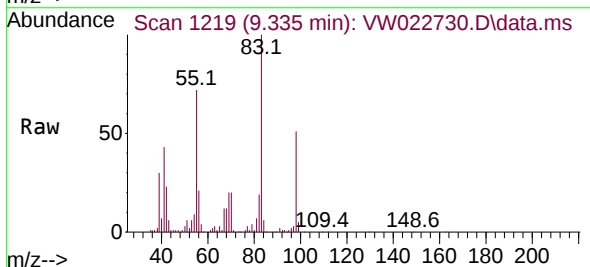
Tgt Ion: 83 Resp: 41934

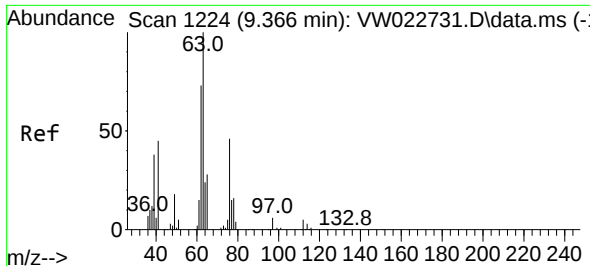
Ion Ratio Lower Upper

83 100

55 74.0 55.1 82.7

98 50.9 40.4 60.6





#37

1,2-Dichloropropane

Concen: 5.134 ug/L

RT: 9.372 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

Instrument :

MSVOA\_W

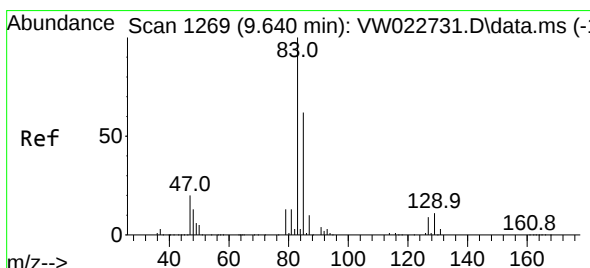
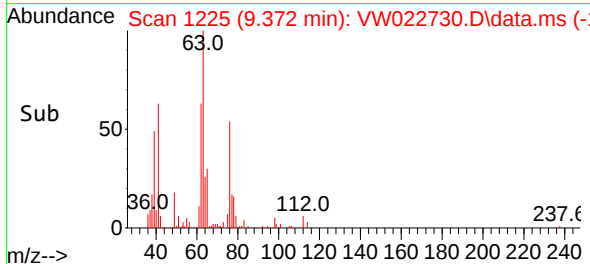
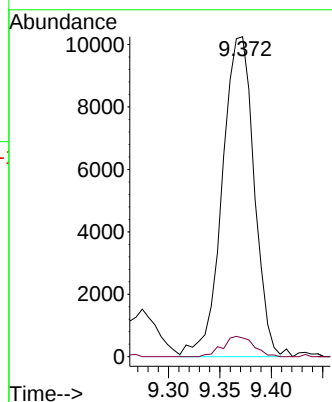
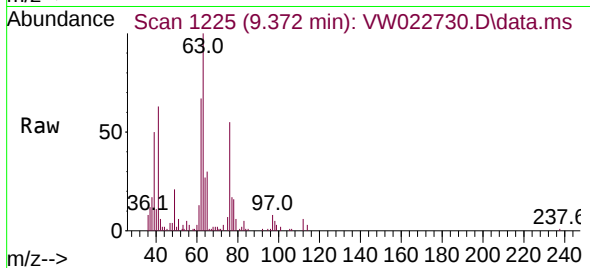
ClientSampleId :

Tgt Ion: 63 Resp: 22109

Ion Ratio Lower Upper

63 100

112 6.1 3.8 5.8#



#38

Bromodichloromethane

Concen: 4.913 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

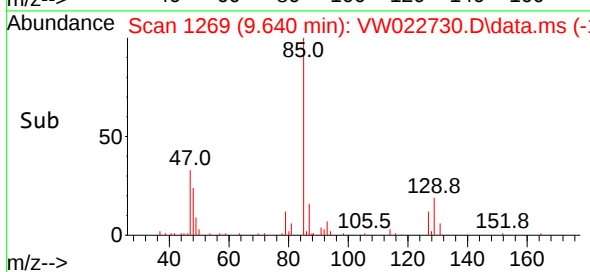
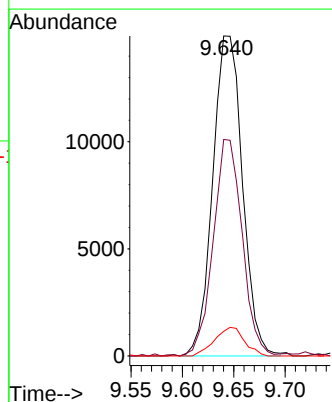
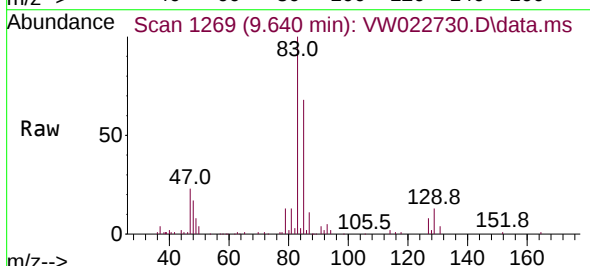
Tgt Ion: 83 Resp: 30054

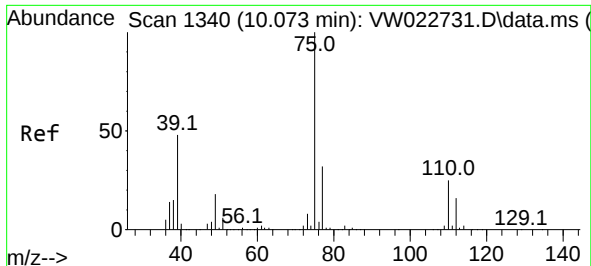
Ion Ratio Lower Upper

83 100

85 67.6 43.5 80.7

127 7.7 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 4.871 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

Instrument :

MSVOA\_W

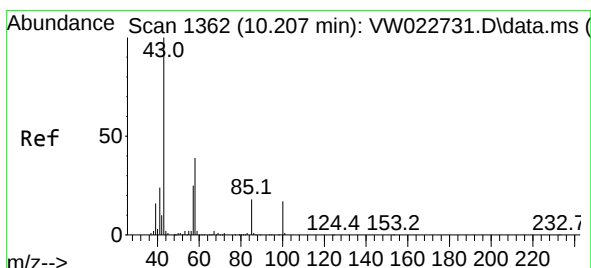
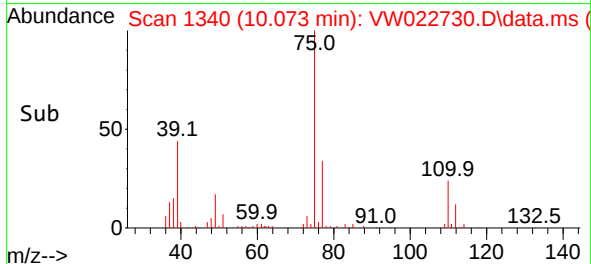
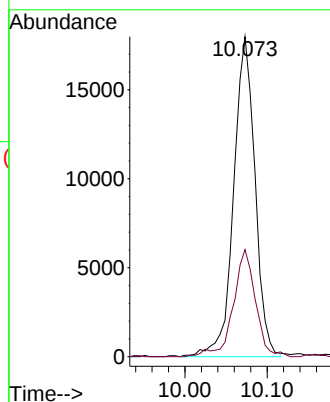
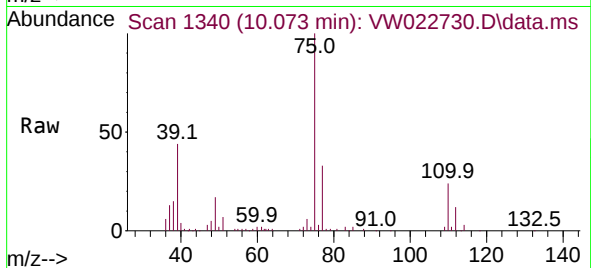
ClientSampleId :

Tgt Ion: 75 Resp: 32527

Ion Ratio Lower Upper

75 100

77 33.5 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 9.406 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

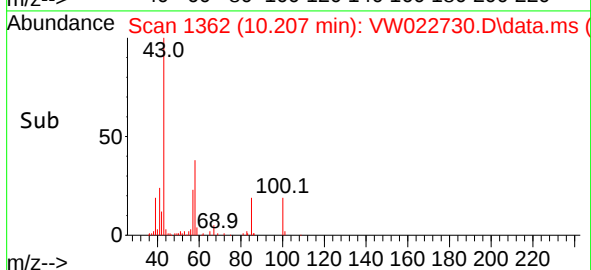
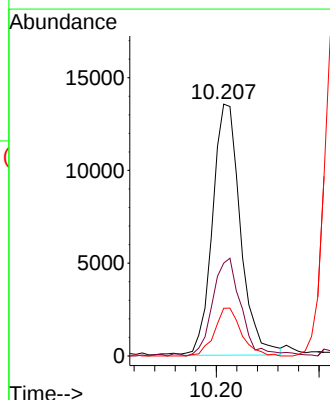
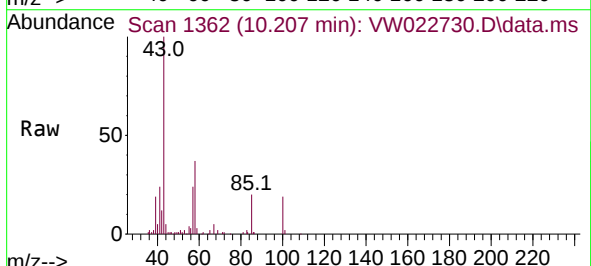
Tgt Ion: 43 Resp: 25533

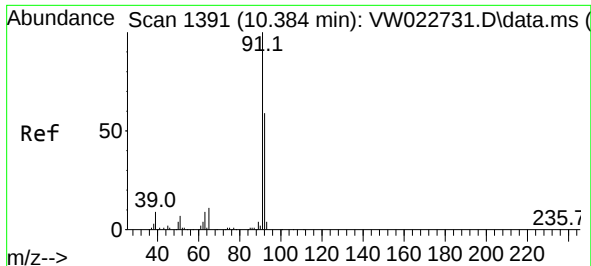
Ion Ratio Lower Upper

43 100

58 37.5 31.4 47.2

100 18.3 14.2 21.4

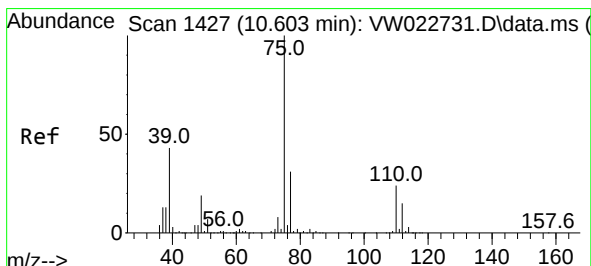
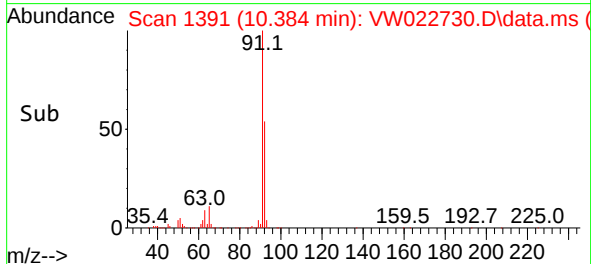
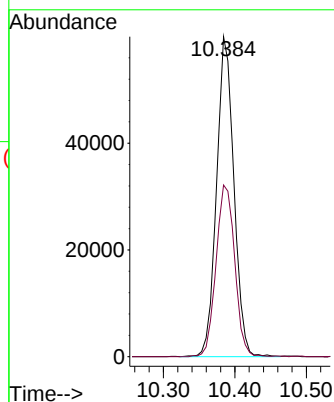
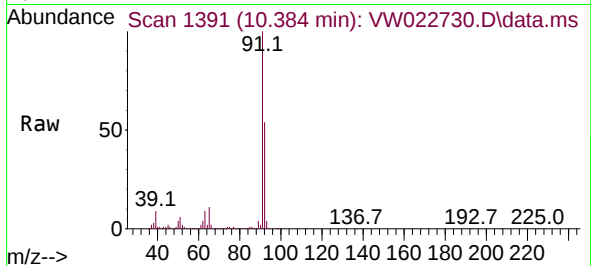




#42  
Toluene  
Concen: 5.067 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

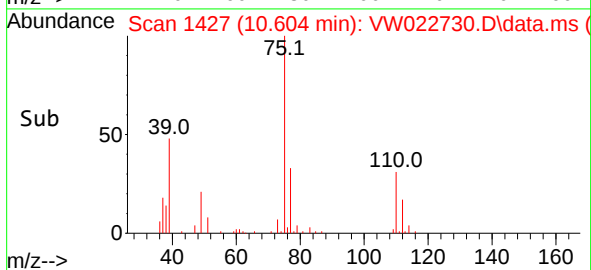
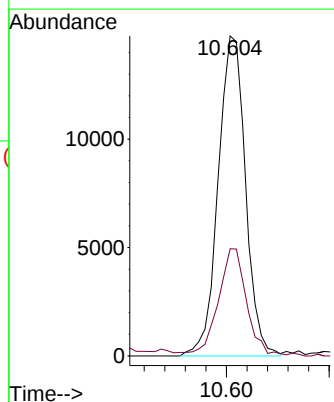
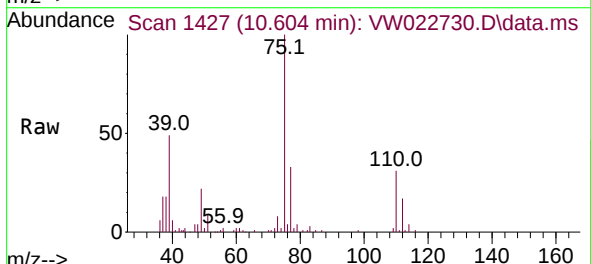
Instrument :  
MSVOA\_W  
ClientSampleId :

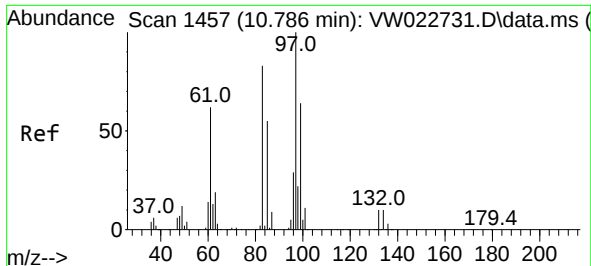
Tgt Ion: 91 Resp: 101053  
Ion Ratio Lower Upper  
91 100  
92 53.6 41.6 77.2



#44  
trans-1,3-Dichloropropene  
Concen: 4.572 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

Tgt Ion: 75 Resp: 27253  
Ion Ratio Lower Upper  
75 100  
77 33.5 22.0 40.8

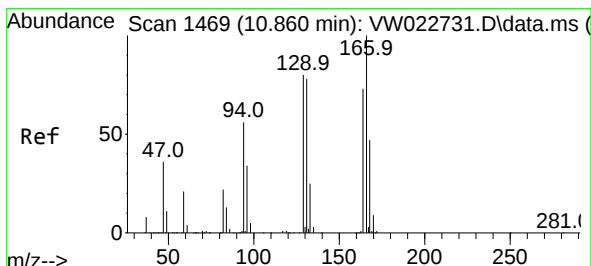
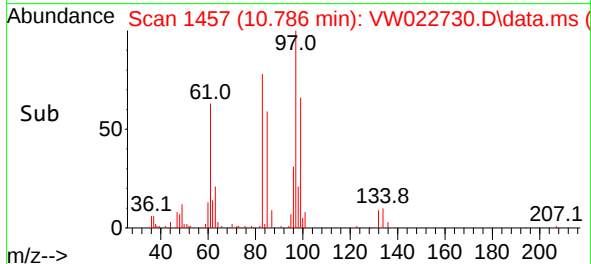
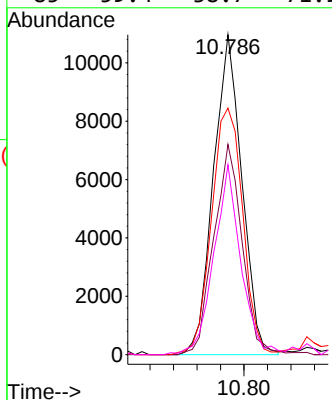
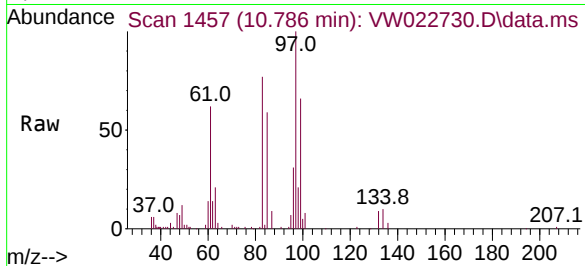




#45  
1,1,2-Trichloroethane  
Concen: 5.116 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

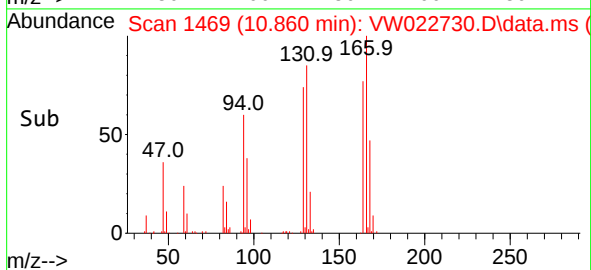
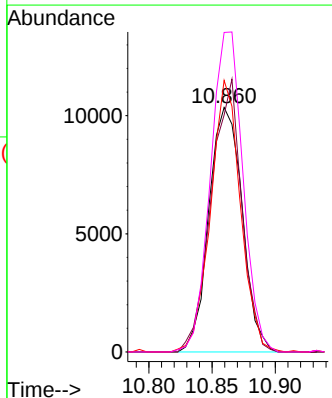
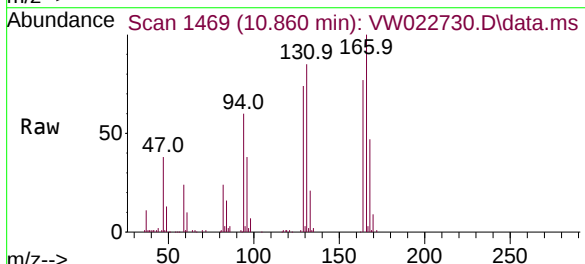
Instrument :  
MSVOA\_W  
ClientSampleId :

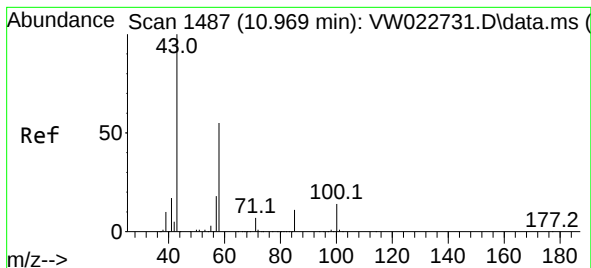
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 18418 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 65.7  | 44.7  | 82.9  |
| 83       | 77.1  | 58.4  | 108.4 |
| 85       | 59.4  | 38.7  | 71.9  |



#46  
Tetrachloroethene  
Concen: 5.153 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 18951 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 96.9  | 76.9  | 142.7 |
| 131      | 111.1 | 75.1  | 139.5 |
| 166      | 130.7 | 96.0  | 178.2 |





#48

2-Hexanone

Concen: 9.047 ug/L

RT: 10.969 min Scan# 1487

Delta R.T. 0.000 min

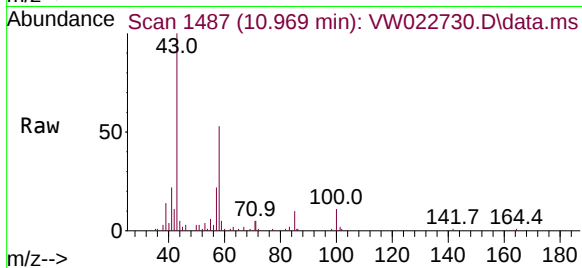
Lab File: VW022730.D

Acq: 02 May 2022 10:22

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 43 Resp: 16408

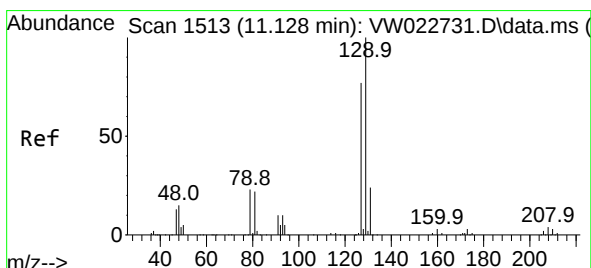
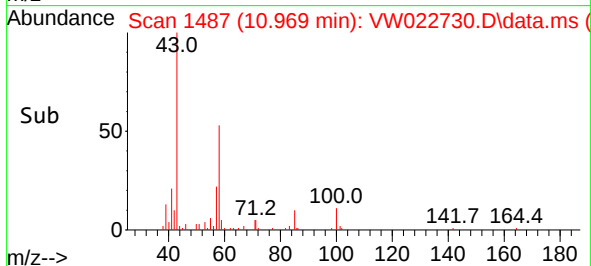
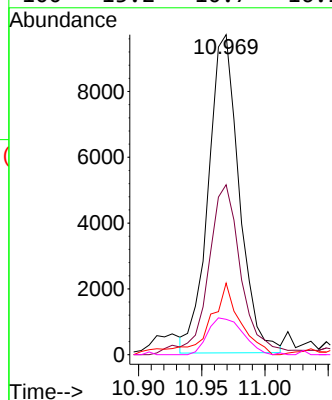
Ion Ratio Lower Upper

43 100

58 56.8 45.9 68.9

57 21.4 16.2 24.2

100 13.2 10.7 16.1



#49

Dibromochloromethane

Concen: 4.730 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VW022730.D

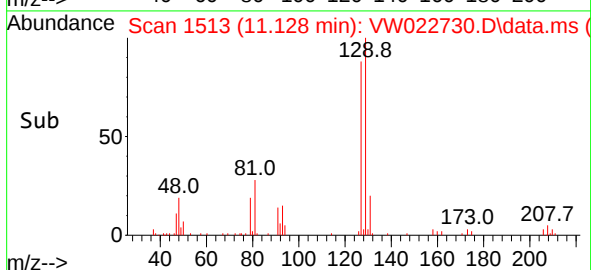
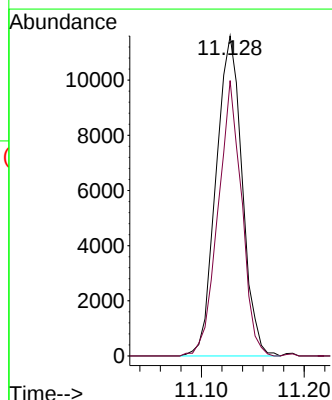
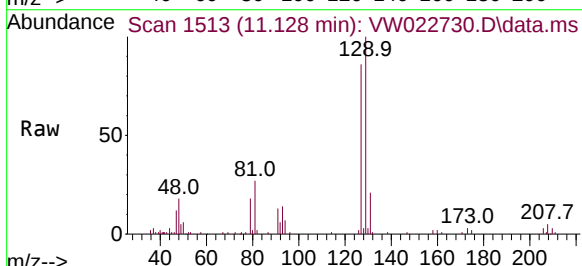
Acq: 02 May 2022 10:22

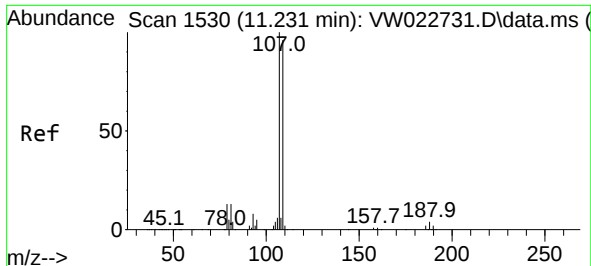
Tgt Ion:129 Resp: 20495

Ion Ratio Lower Upper

129 100

127 86.0 53.8 100.0





#50

1,2-Dibromoethane

Concen: 5.061 ug/L

RT: 11.238 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW022730.D

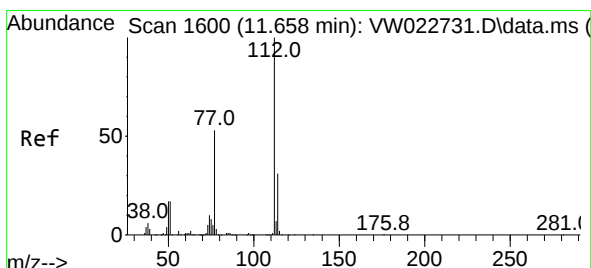
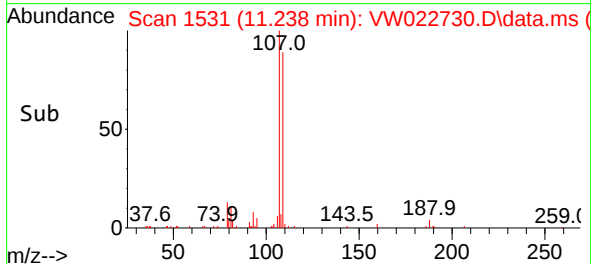
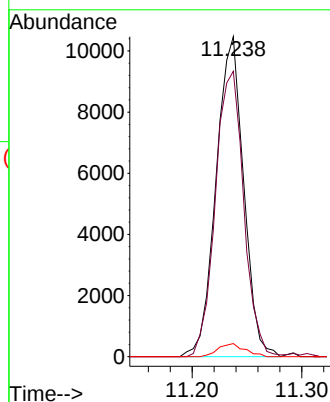
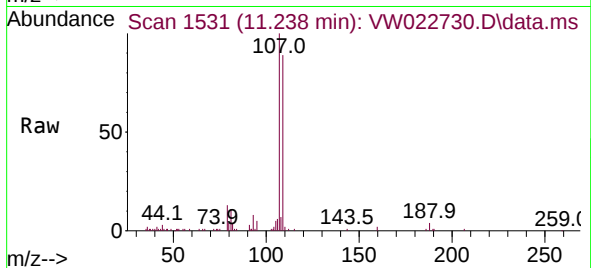
Acq: 02 May 2022 10:22

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 18294      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 89.2  | 67.5 125.4 |
| 188         | 4.1   | 2.9 4.3    |



#51

Chlorobenzene

Concen: 5.010 ug/L

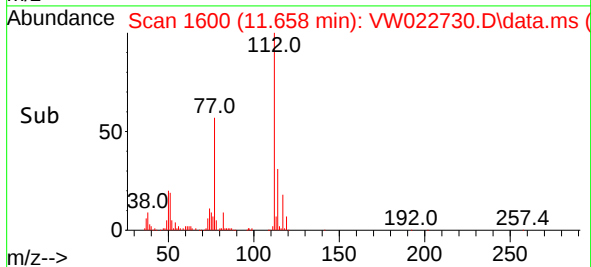
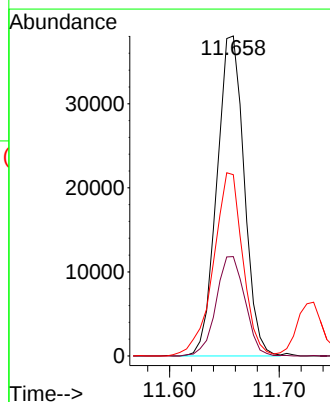
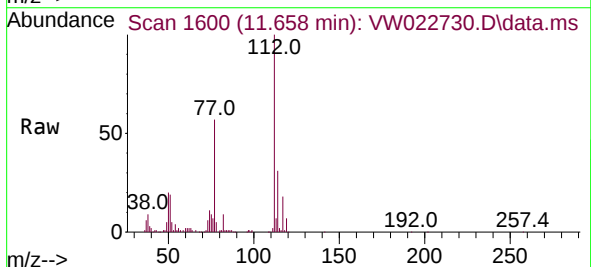
RT: 11.658 min Scan# 1600

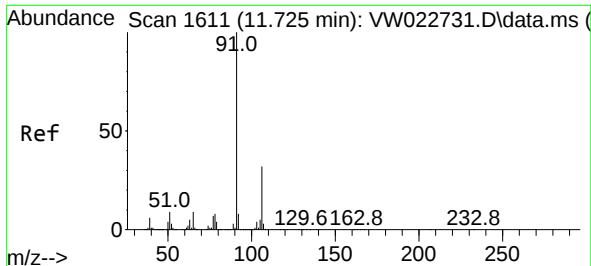
Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 65875     |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 31.1  | 22.0 41.0 |
| 77          | 56.7  | 42.6 63.8 |

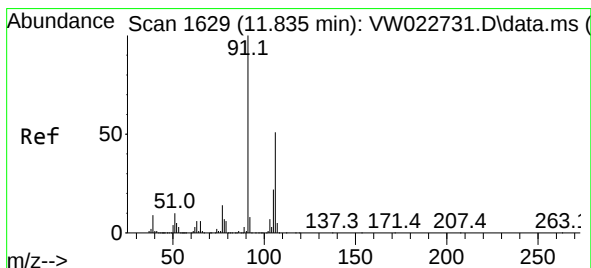
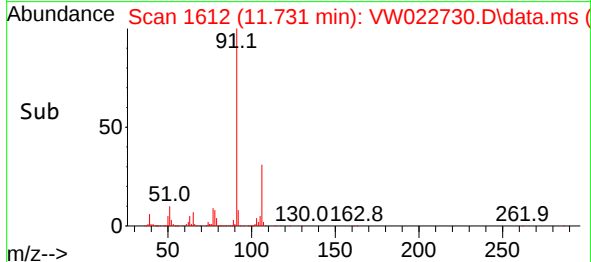
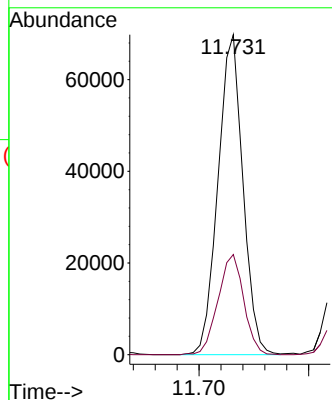
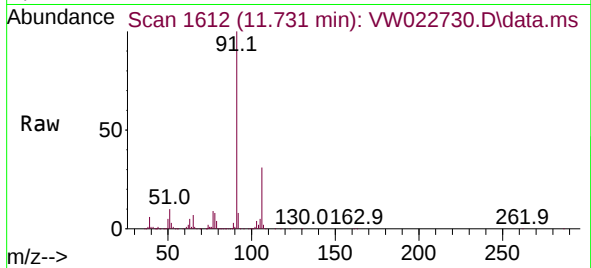




#52  
Ethylbenzene  
Concen: 4.964 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.006 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

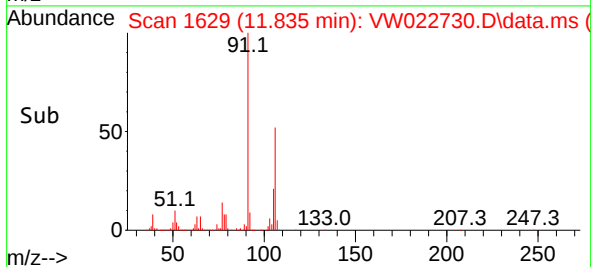
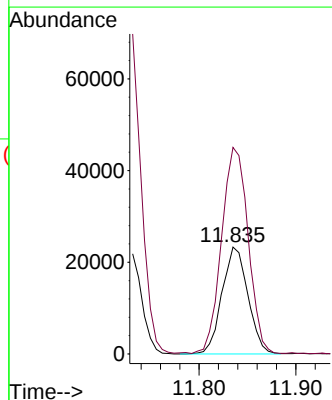
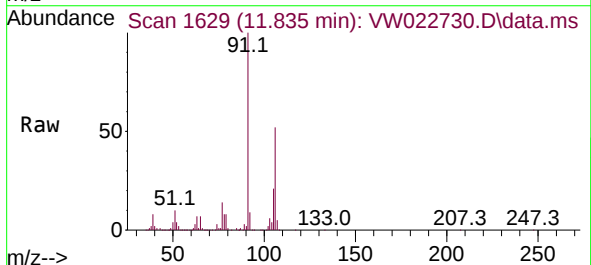
Instrument :  
MSVOA\_W  
ClientSampleId :

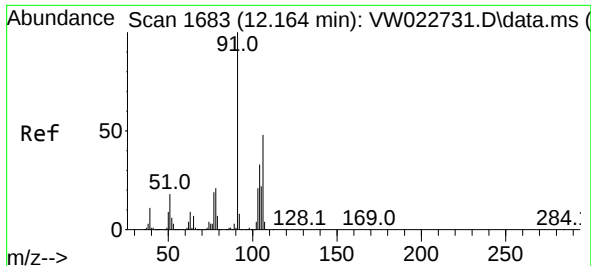
Tgt Ion: 91 Resp: 110150  
Ion Ratio Lower Upper  
91 100  
106 31.3 22.3 41.3



#53  
m,p-Xylene  
Concen: 4.958 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

Tgt Ion: 106 Resp: 43348  
Ion Ratio Lower Upper  
106 100  
91 193.1 136.8 254.0

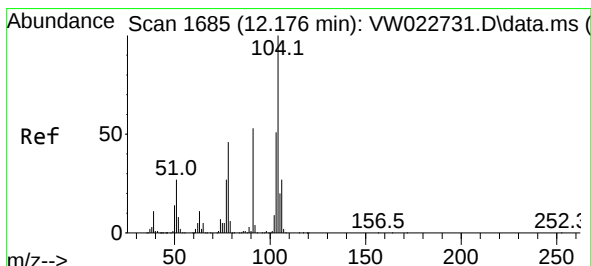
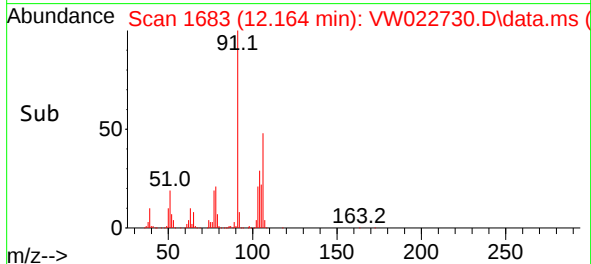
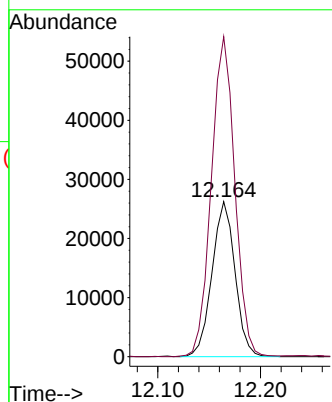
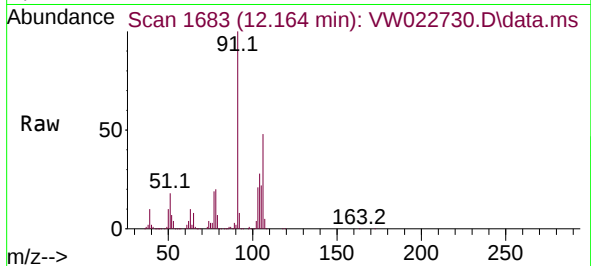




#54  
o-Xylene  
Concen: 4.860 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

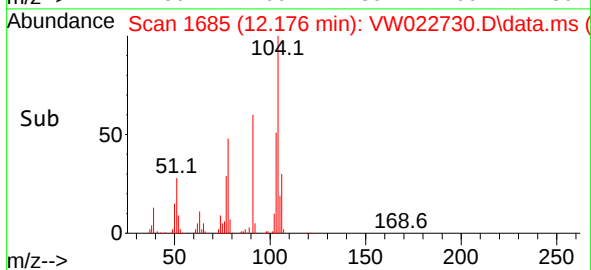
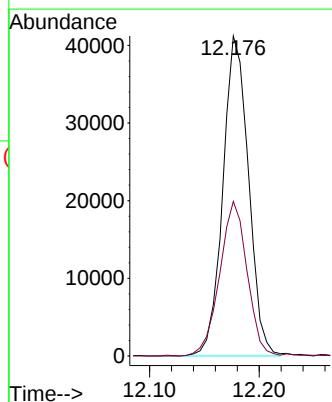
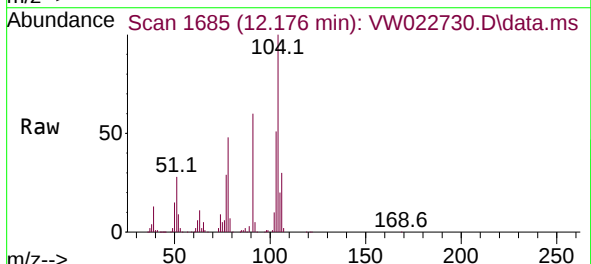
Instrument :  
MSVOA\_W  
ClientSampleId :

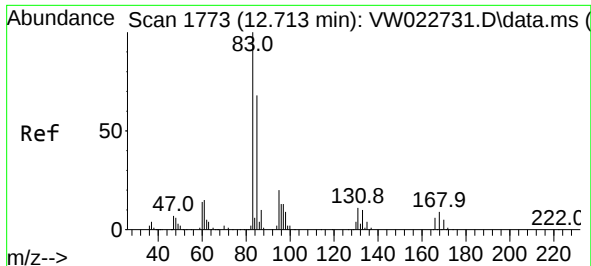
Tgt Ion:106 Resp: 40774  
Ion Ratio Lower Upper  
106 100  
91 206.4 147.2 273.4



#55  
Styrene  
Concen: 4.698 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

Tgt Ion:104 Resp: 66968  
Ion Ratio Lower Upper  
104 100  
78 48.3 32.3 59.9





#57

1,1,2-Tetrachloroethane

Concen: 4.935 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW022730.D

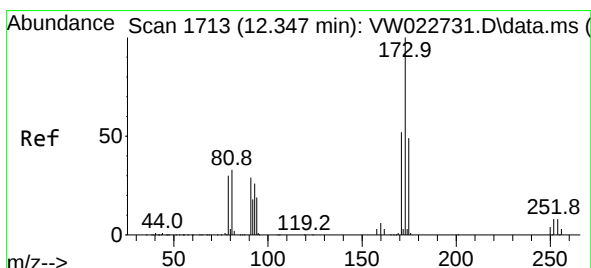
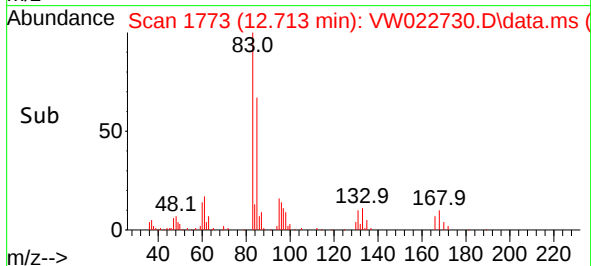
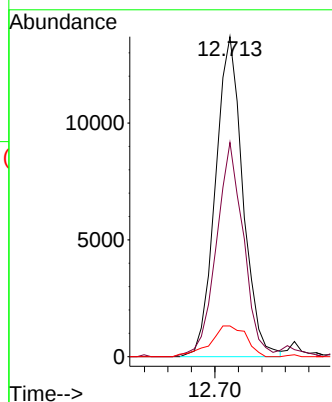
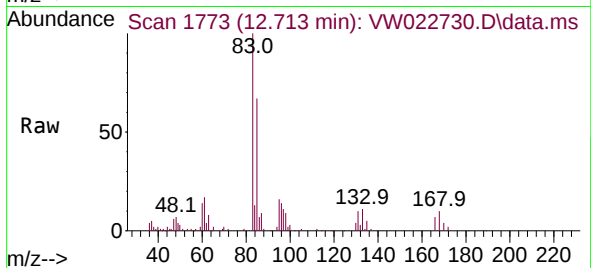
Acq: 02 May 2022 10:22

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 22191 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 66.9  | 47.5  | 88.1  |
| 131      | 9.6   | 8.7   | 13.1  |



#59

Bromoform

Concen: 4.349 ug/L

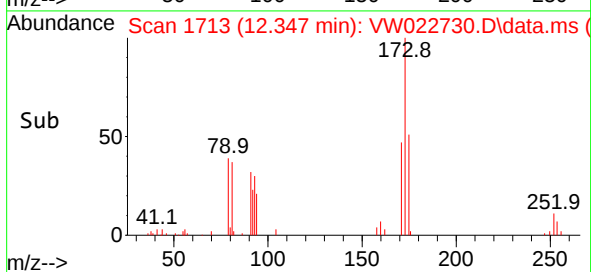
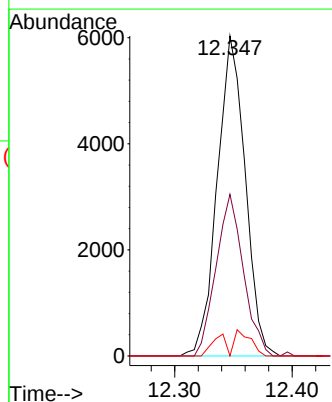
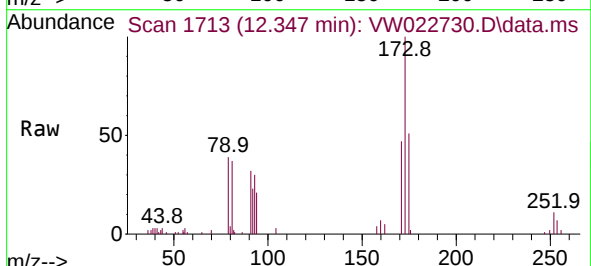
RT: 12.347 min Scan# 1713

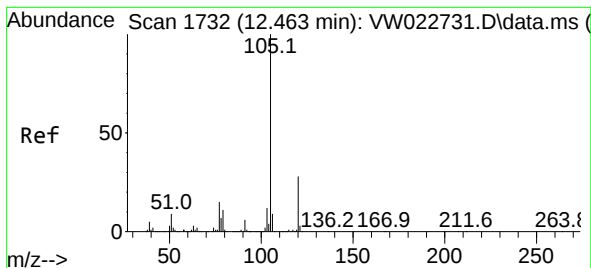
Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 9968  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 49.4  | 38.1  | 57.1  |
| 254      | 4.7   | 6.5   | 9.7#  |





#60

Isopropylbenzene

Concen: 5.101 ug/L

RT: 12.463 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

Instrument :

MSVOA\_W

ClientSampleId :

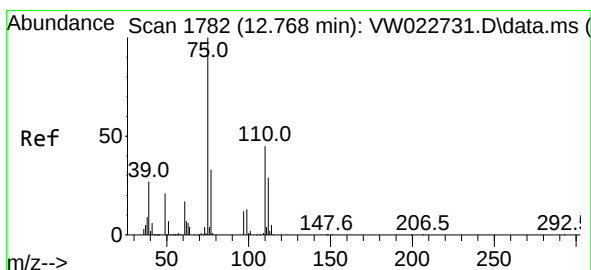
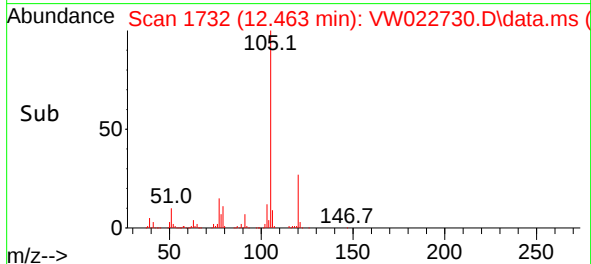
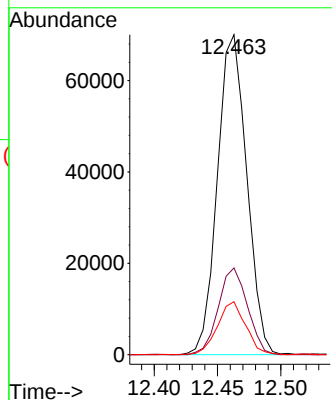
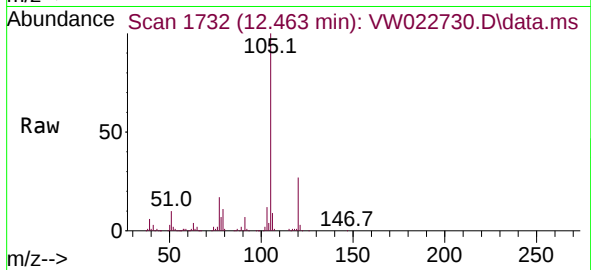
Tgt Ion:105 Resp: 113018

Ion Ratio Lower Upper

105 100

120 26.8 21.3 31.9

77 16.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.186 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

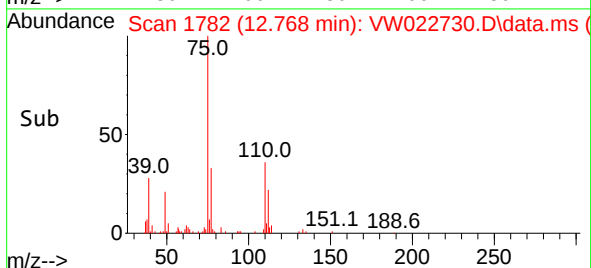
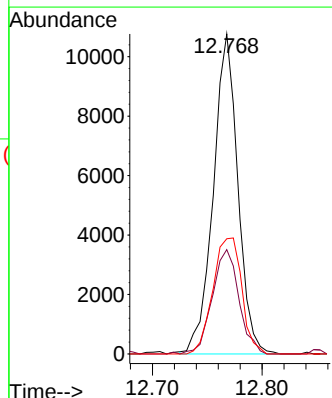
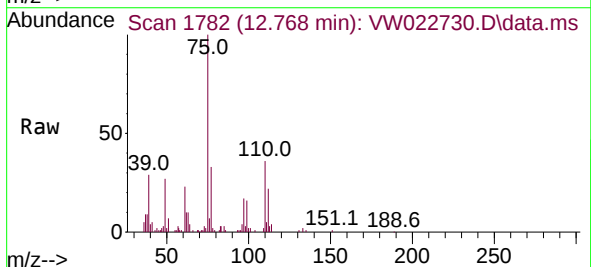
Tgt Ion: 75 Resp: 16759

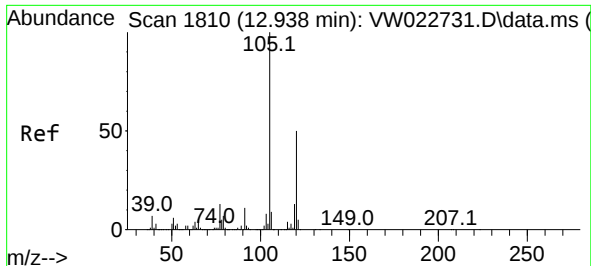
Ion Ratio Lower Upper

75 100

77 35.4 26.2 39.2

110 42.6 34.1 51.1

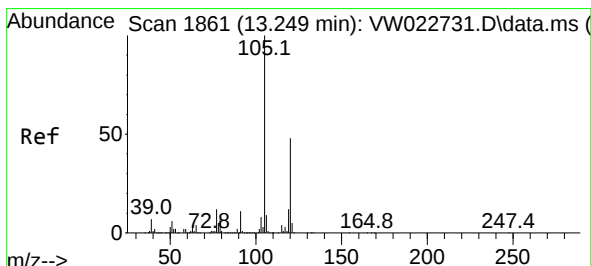
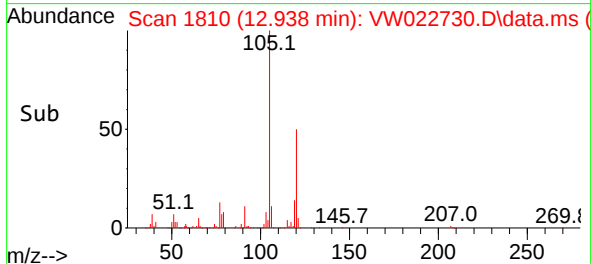
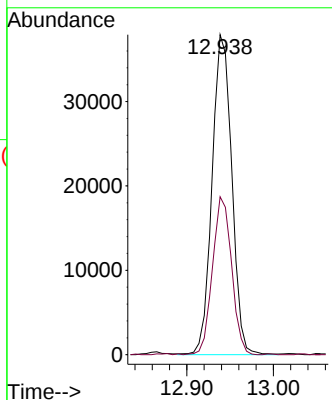
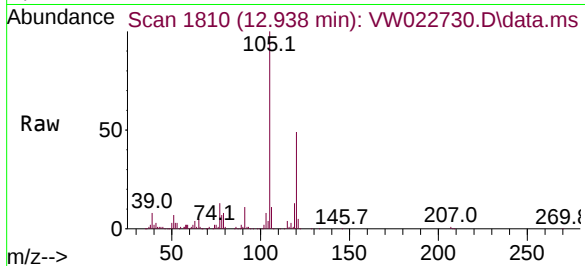




#62  
 1,3,5-Trimethylbenzene  
 Concen: 4.866 ug/L  
 RT: 12.938 min Scan# 1810  
 Delta R.T. 0.000 min  
 Lab File: VW022730.D  
 Acq: 02 May 2022 10:22

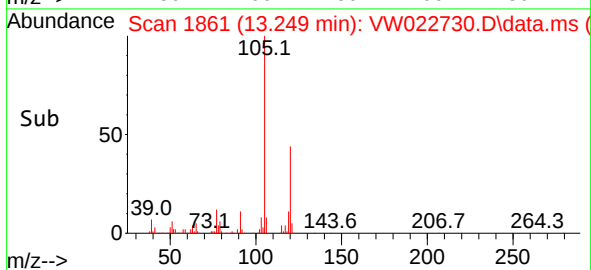
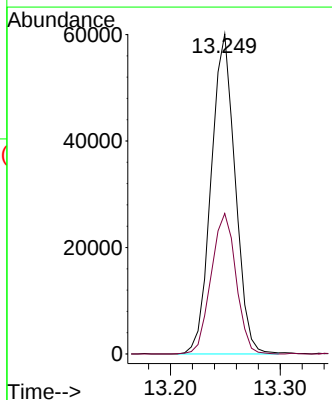
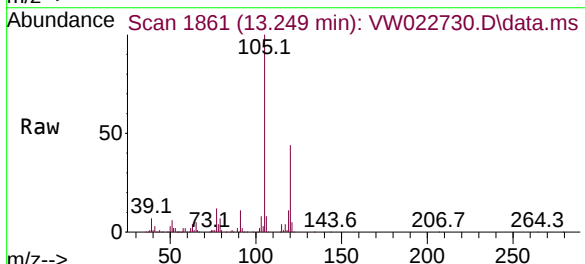
Instrument :  
 MSVOA\_W  
 ClientSampleId :

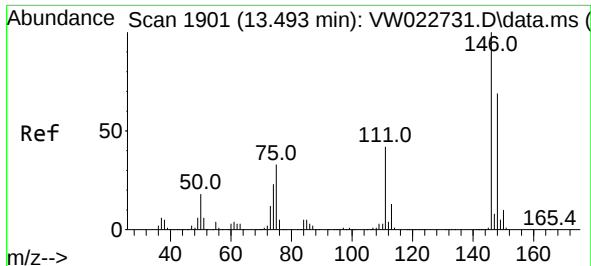
Tgt Ion:105 Resp: 59979  
 Ion Ratio Lower Upper  
 105 100  
 120 47.8 38.9 58.3



#63  
 1,2,4-Trimethylbenzene  
 Concen: 4.949 ug/L  
 RT: 13.249 min Scan# 1861  
 Delta R.T. 0.000 min  
 Lab File: VW022730.D  
 Acq: 02 May 2022 10:22

Tgt Ion:105 Resp: 91588  
 Ion Ratio Lower Upper  
 105 100  
 120 45.4 37.4 56.2

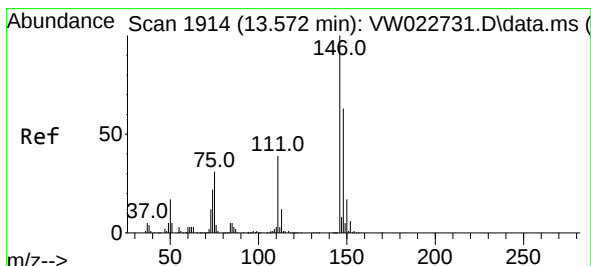
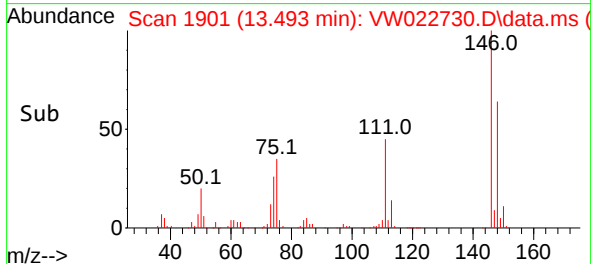
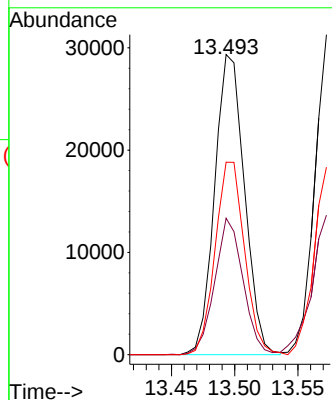
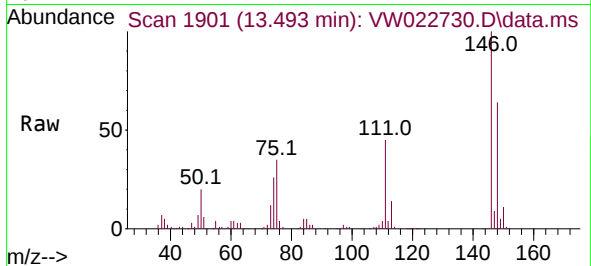




#64  
1,3-Dichlorobenzene  
Concen: 4.865 ug/L  
RT: 13.493 min Scan# 1901  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

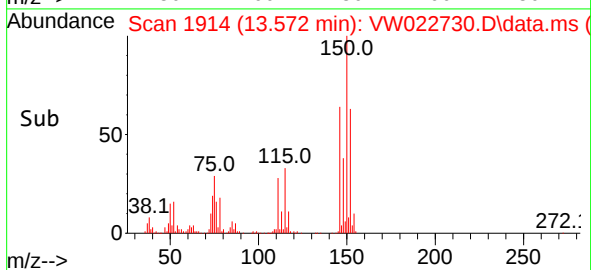
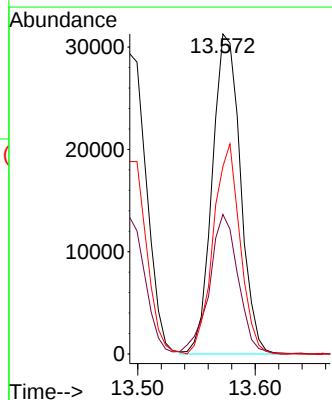
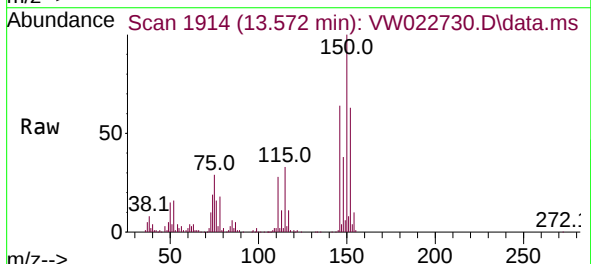
Instrument :  
MSVOA\_W  
ClientSampleId :

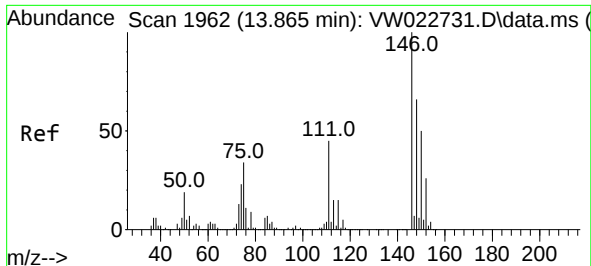
Tgt Ion:146 Resp: 48117  
Ion Ratio Lower Upper  
146 100  
111 45.5 29.5 54.9  
148 64.1 48.6 90.2



#65  
1,4-Dichlorobenzene  
Concen: 5.099 ug/L  
RT: 13.572 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: VW022730.D  
Acq: 02 May 2022 10:22

Tgt Ion:146 Resp: 52096  
Ion Ratio Lower Upper  
146 100  
111 43.6 27.2 50.4  
148 58.6 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 4.961 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW022730.D

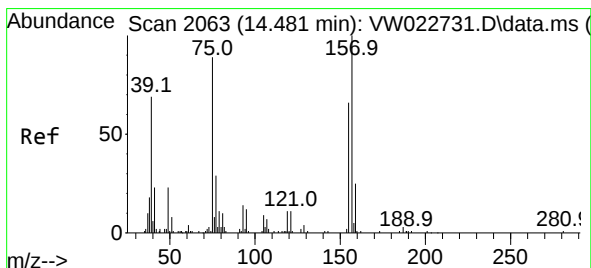
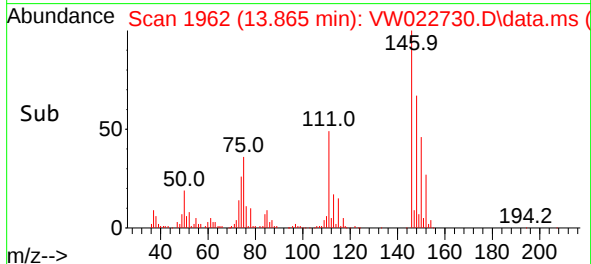
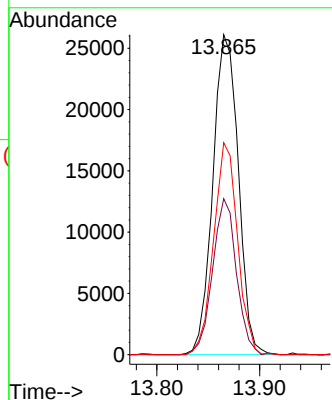
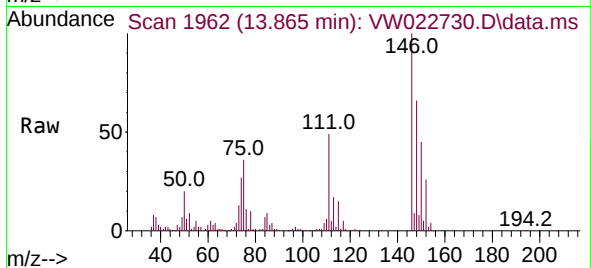
Acq: 02 May 2022 10:22

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:146 | Resp: | 44907       |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 48.7  | 35.7 53.5   |
| 148         | 66.3  | 52.6 79.0   |



#68

1,2-Dibromo-3-chloropropane

Concen: 5.014 ug/L

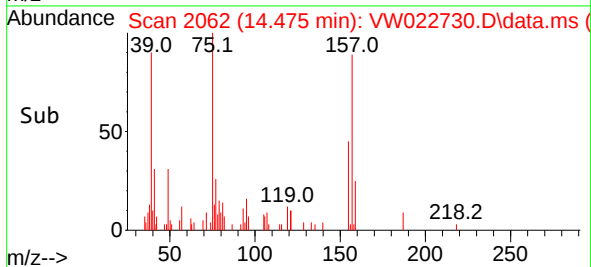
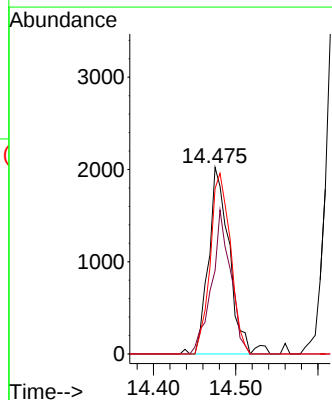
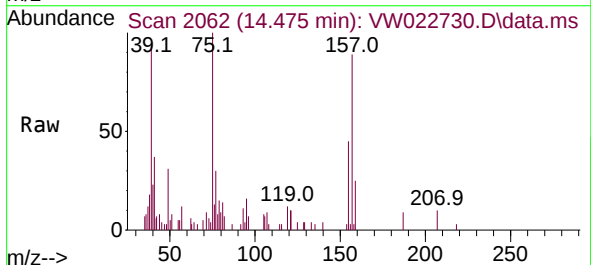
RT: 14.475 min Scan# 2062

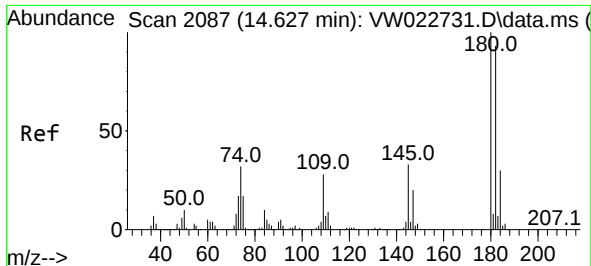
Delta R.T. -0.006 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 3541        |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 155         | 44.7  | 59.3 88.9#  |
| 157         | 88.7  | 89.8 134.8# |





#69

1,3,5-Trichlorobenzene

Concen: 5.035 ug/L

RT: 14.621 min Scan# 2087

Delta R.T. -0.006 min

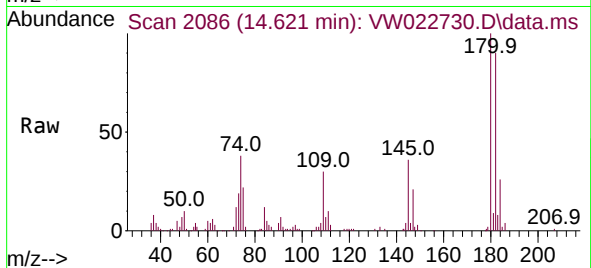
Lab File: VW022730.D

Acq: 02 May 2022 10:22

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 33060

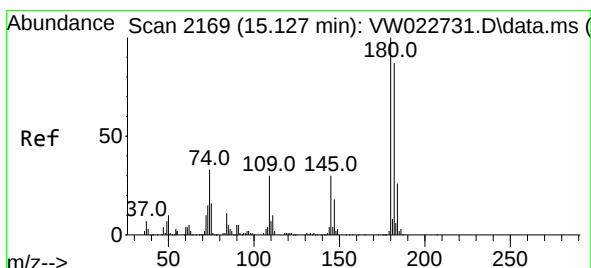
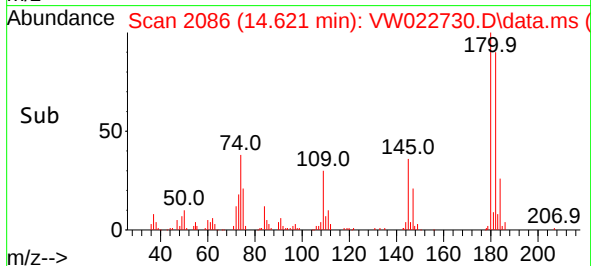
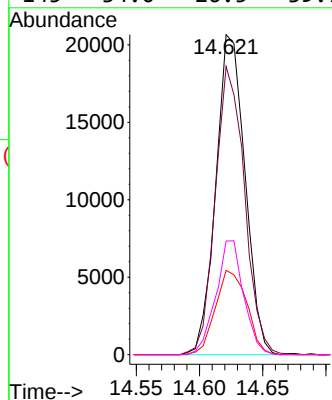
Ion Ratio Lower Upper

180 100

182 90.2 74.8 112.2

184 28.4 23.4 35.2

145 34.0 26.5 39.7



#70

1,2,4-trichlorobenzene

Concen: 4.828 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

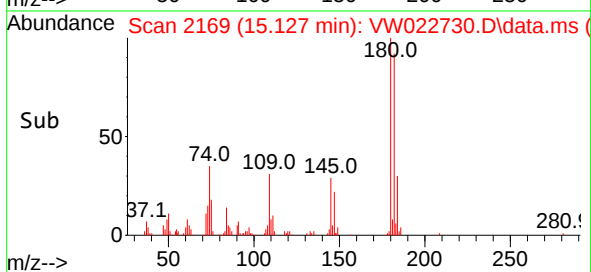
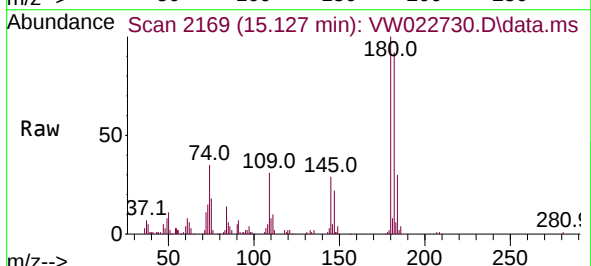
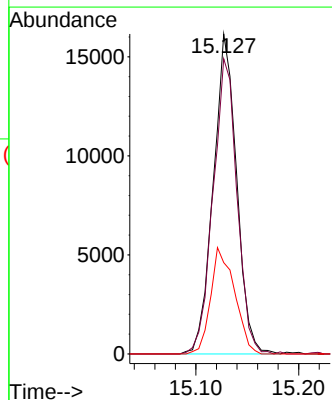
Tgt Ion:180 Resp: 25500

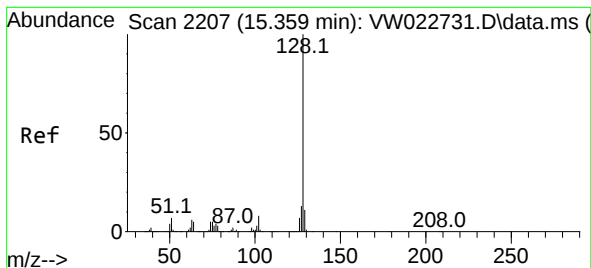
Ion Ratio Lower Upper

180 100

182 94.4 74.9 112.3

145 34.1 26.6 39.8





#71

Naphthalene

Concen: 4.482 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

Instrument :

MSVOA\_W

ClientSampleId :

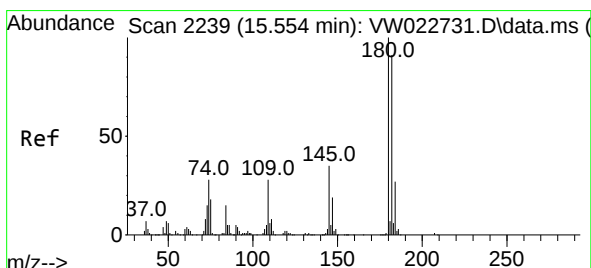
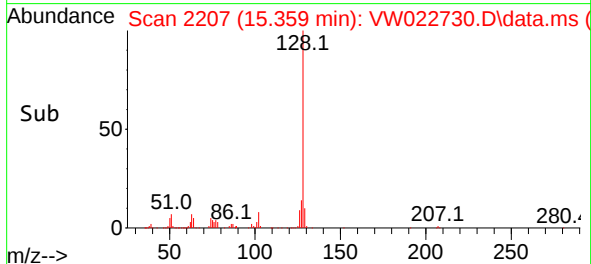
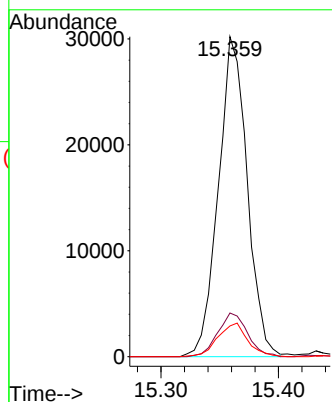
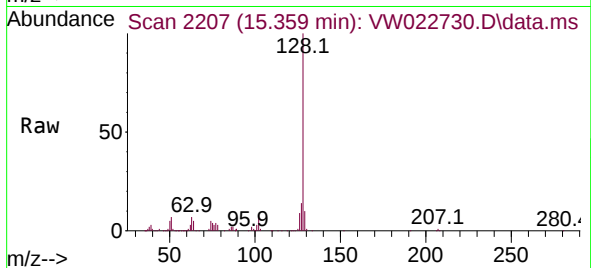
Tgt Ion:128 Resp: 51448

Ion Ratio Lower Upper

128 100

127 14.1 10.6 16.0

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 4.653 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.000 min

Lab File: VW022730.D

Acq: 02 May 2022 10:22

Tgt Ion:180 Resp: 21781

Ion Ratio Lower Upper

180 100

182 99.8 73.5 110.3

145 38.4 27.9 41.9

