

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW061022\  
 Data File : VW023442.D  
 Acq On : 10 Jun 2022 12:32  
 Operator : SY/VA  
 Sample : VSTD00525  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jun 10 12:54:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061022SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 10 12:15:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114  | 340296   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117  | 319279   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152  | 155618   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65   | 29912    | 5.655  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.879  | 69   | 22172    | 5.909  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63   | 40627    | 5.264  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 6.988  | 46   | 124      | 0.122  | ug/L   | -0.09    |
| 24) Chloroform-d              | 7.647  | 84   | 51043    | 5.592  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65   | 27058    | 5.591  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.275  | 84   | 92188    | 5.305  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.268  | 67   | 27857    | 5.697  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.323 | 98   | 86457    | 5.216  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79   | 11806    | 5.420  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.927 | 63   | 7376     | 9.883  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84   | 24536    | 5.696  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152  | 30938    | 5.625  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.001  | 85   | 4011     | 3.453  | ug/L   | 95       |
| 3) Chloromethane              | 2.215  | 50   | 23602    | 5.973  | ug/L   | 100      |
| 5) Vinyl chloride             | 2.355  | 62   | 30780    | 5.014  | ug/L   | 96       |
| 6) Bromomethane               | 2.770  | 94   | 20433    | 6.075  | ug/L   | 90       |
| 8) Chloroethane               | 2.916  | 64   | 17149    | 5.608  | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.251  | 101  | 14899    | 4.878  | ug/L   | 94       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101  | 14657    | 3.396  | ug/L # | 52       |
| 12) 1,1-Dichloroethene        | 4.044  | 96   | 19760    | 5.165  | ug/L   | 83       |
| 13) Acetone                   | 4.123  | 43   | 9819     | 13.087 | ug/L   | 99       |
| 14) Carbon disulfide          | 4.379  | 76   | 57876    | 4.759  | ug/L   | 97       |
| 16) Methylene chloride        | 4.915  | 84   | 25158    | 5.177  | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96   | 22983    | 5.057  | ug/L   | 88       |
| 18) Methyl tert-butyl Ether   | 5.422  | 73   | 32592    | 4.883  | ug/L # | 92       |
| 19) 1,1-Dichloroethane        | 6.214  | 63   | 41599    | 5.358  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96   | 24009    | 4.983  | ug/L # | 96       |
| 22) 2-Butanone                | 7.171  | 43   | 13823    | 12.370 | ug/L   | 78       |
| 23) Bromochloromethane        | 7.513  | 128  | 11541    | 5.114  | ug/L   | 90       |
| 25) Chloroform                | 7.677  | 83   | 47057    | 5.459  | ug/L   | 91       |
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 29345    | 5.334  | ug/L   | 96       |
| 29) Cyclohexane               | 7.958  | 56   | 30968    | 4.642  | ug/L # | 93       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 38791    | 5.190  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 35568    | 5.189  | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 95836    | 5.168  | ug/L   | 100      |
| 34) Trichloroethene           | 9.085  | 95   | 25461    | 5.068  | ug/L   | 92       |
| 35) Methylcyclohexane         | 9.335  | 83   | 40475    | 4.907  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 24058    | 5.490  | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.640  | 83   | 32982    | 5.368  | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 32684    | 4.796  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 24975    | 10.391 | ug/L   | 96       |
| 42) Toluene                   | 10.384 | 91   | 103606   | 4.960  | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 29836    | 4.976  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 18460    | 5.231  | ug/L   | 95       |

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 Sample : VSTD00525  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jun 10 12:54:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061022SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 10 12:15:26 2022  
 Response via : Initial Calibration

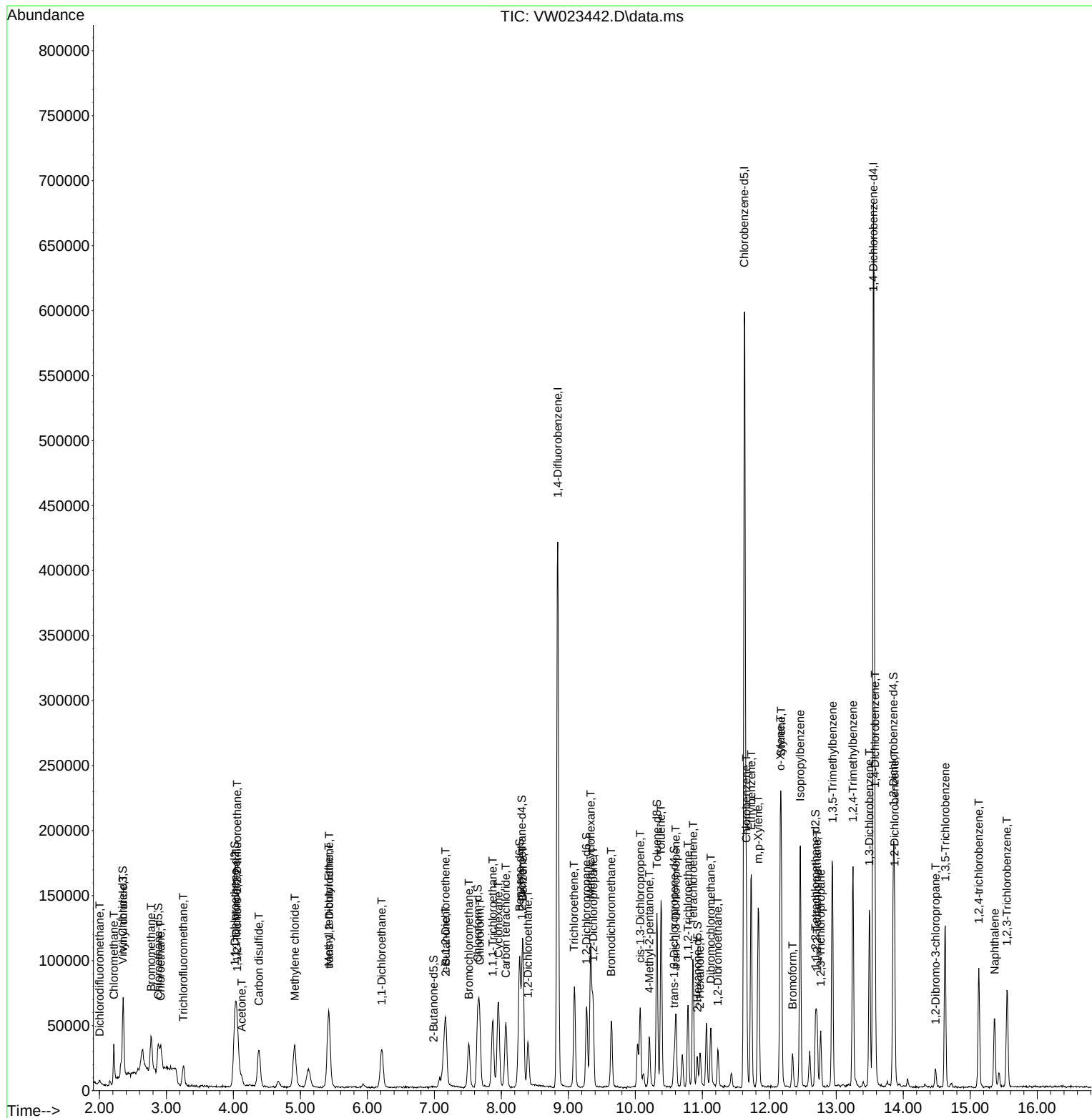
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Tetrachloroethene         | 10.866 | 164  | 19556    | 4.945  | ug/L   | 90       |
| 48) 2-Hexanone                | 10.963 | 43   | 16856    | 10.819 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 20287    | 4.737  | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 17171    | 4.997  | ug/L   | 89       |
| 51) Chlorobenzene             | 11.658 | 112  | 69605    | 5.085  | ug/L   | 98       |
| 52) Ethylbenzene              | 11.731 | 91   | 114842   | 4.980  | ug/L   | 97       |
| 53) m,p-Xylene                | 11.835 | 106  | 41904    | 4.693  | ug/L   | 85       |
| 54) o-Xylene                  | 12.164 | 106  | 39535    | 4.599  | ug/L   | 89       |
| 55) Styrene                   | 12.176 | 104  | 69684    | 4.695  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 21493    | 4.995  | ug/L # | 97       |
| 59) Bromoform                 | 12.347 | 173  | 10084    | 4.775  | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 114257   | 5.239  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 15948    | 5.633  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 87275    | 4.812  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 89379    | 4.984  | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 51751    | 5.258  | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 52810    | 5.220  | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 46198    | 5.120  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 3344     | 5.569  | ug/L # | 82       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 32631    | 4.988  | ug/L   | 93       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 25194    | 5.005  | ug/L   | 98       |
| 71) Naphthalene               | 15.365 | 128  | 43324    | 4.575  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 21933    | 4.975  | ug/L   | 94       |

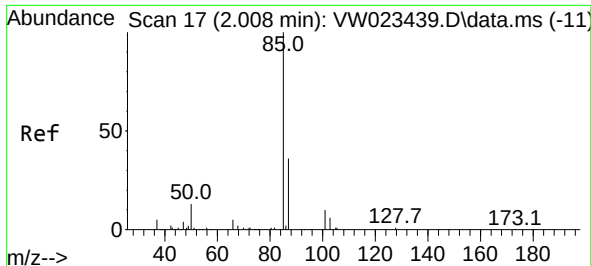
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 10 12:15:26 2022  
 Response via : Initial Calibration

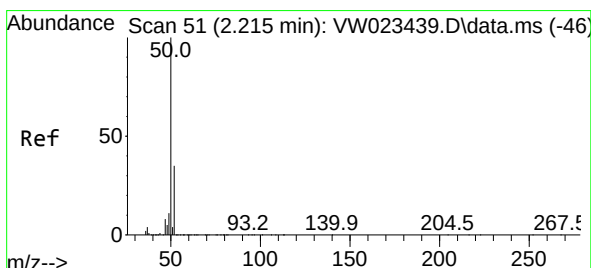
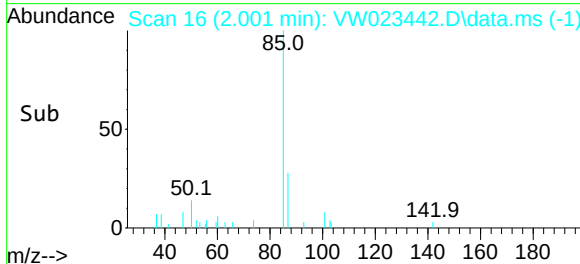
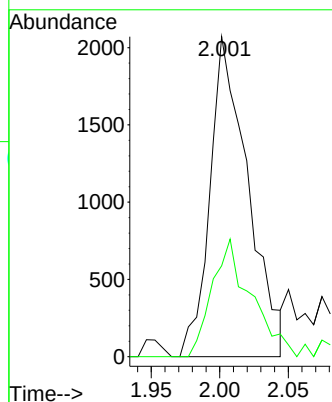
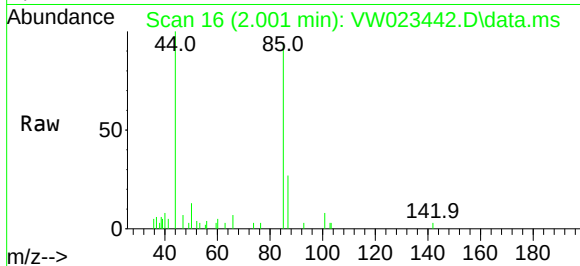




#2  
 Dichlorodifluoromethane  
 Concen: 3.453 ug/L  
 RT: 2.001 min Scan# 1  
 Delta R.T. -0.006 min  
 Lab File: VW023442.D  
 Acq: 10 Jun 2022 12:32

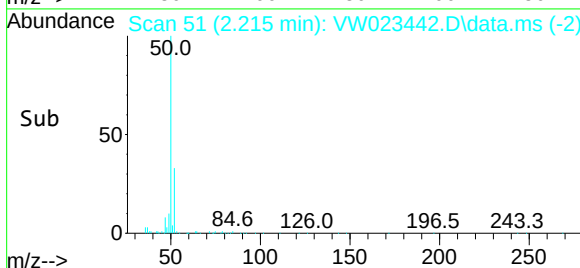
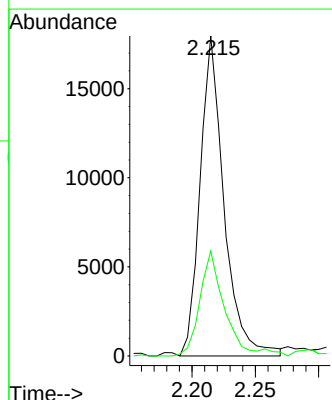
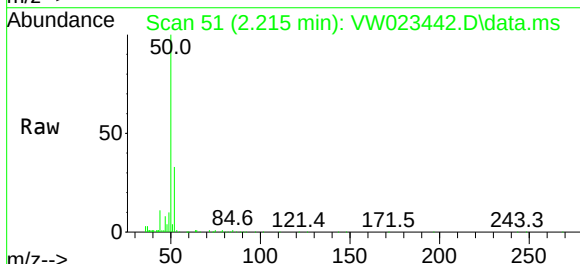
Instrument :  
 MSVOA\_W  
 ClientSampleId :

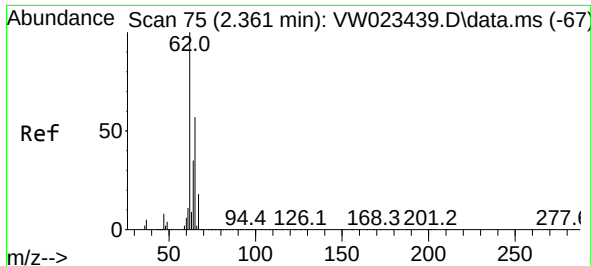
Tgt Ion: 85 Resp: 4011  
 Ion Ratio Lower Upper  
 85 100  
 87 37.5 27.8 41.8



#3  
 Chloromethane  
 Concen: 5.973 ug/L  
 RT: 2.215 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VW023442.D  
 Acq: 10 Jun 2022 12:32

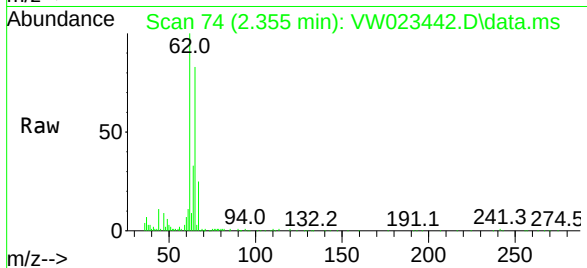
Tgt Ion: 50 Resp: 23602  
 Ion Ratio Lower Upper  
 50 100  
 52 32.8 23.1 42.9



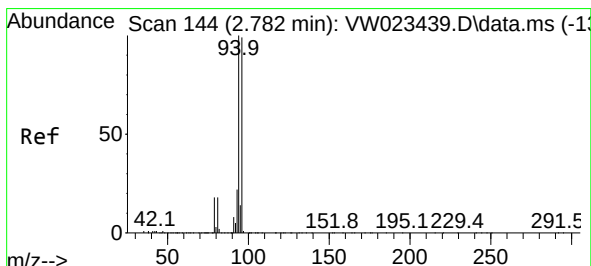
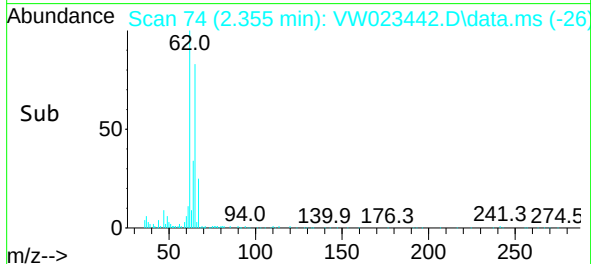
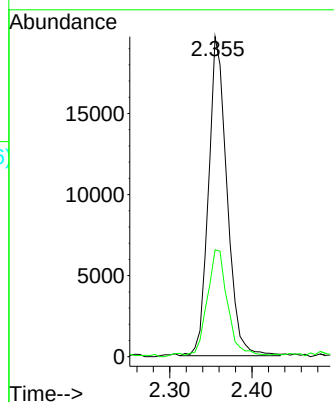


#5  
 Vinyl chloride  
 Concen: 5.014 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. -0.006 min  
 Lab File: VW023442.D  
 Acq: 10 Jun 2022 12:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :

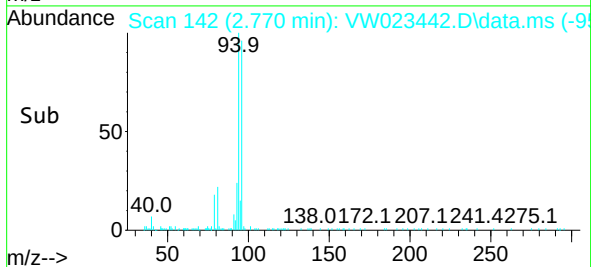
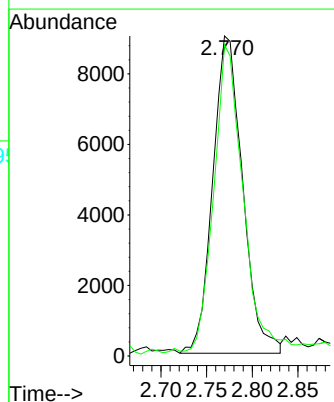
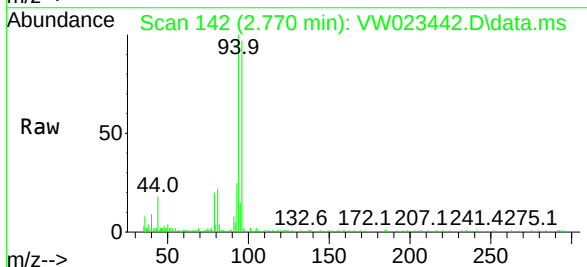


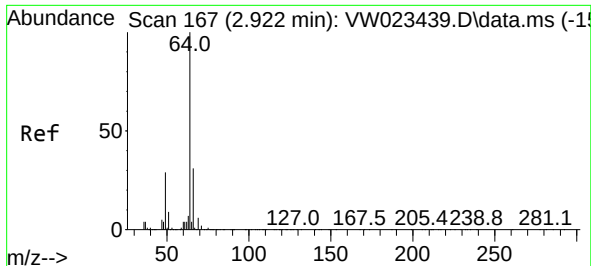
Tgt Ion: 62 Resp: 30780  
 Ion Ratio Lower Upper  
 62 100  
 64 33.4 24.9 46.3



#6  
 Bromomethane  
 Concen: 6.075 ug/L  
 RT: 2.770 min Scan# 142  
 Delta R.T. -0.012 min  
 Lab File: VW023442.D  
 Acq: 10 Jun 2022 12:32

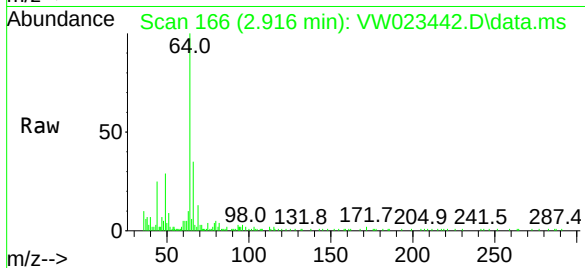
Tgt Ion: 94 Resp: 20433  
 Ion Ratio Lower Upper  
 94 100  
 96 97.3 61.7 114.5



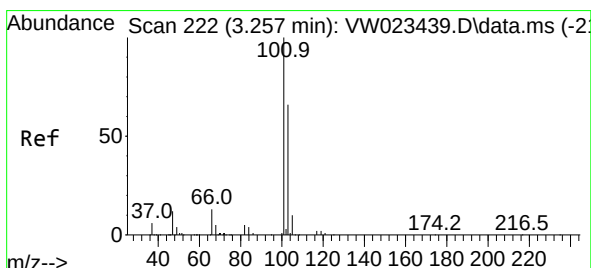
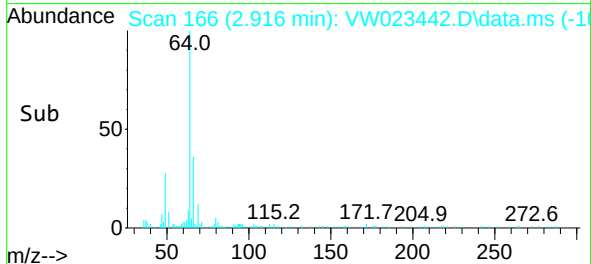
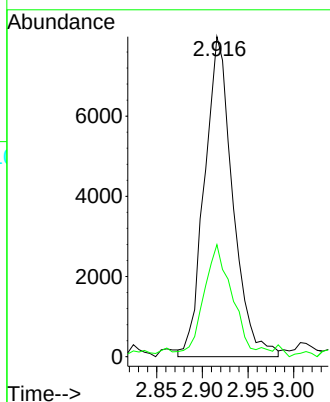


#8  
Chloroethane  
Concen: 5.608 ug/L  
RT: 2.916 min Scan# 166  
Delta R.T. -0.006 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

Instrument :  
MSVOA\_W  
ClientSampleId :

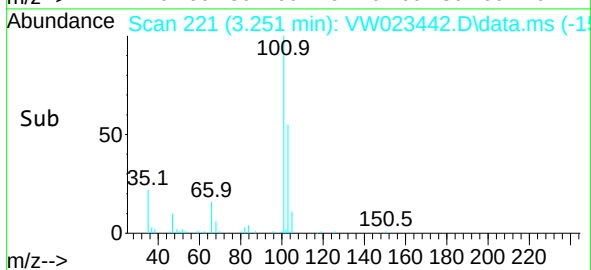
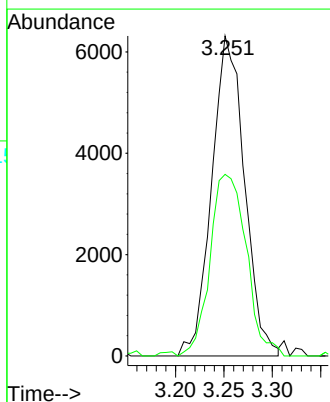
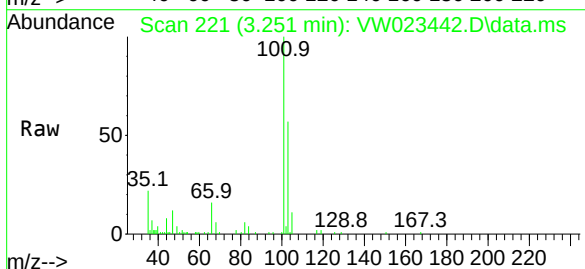


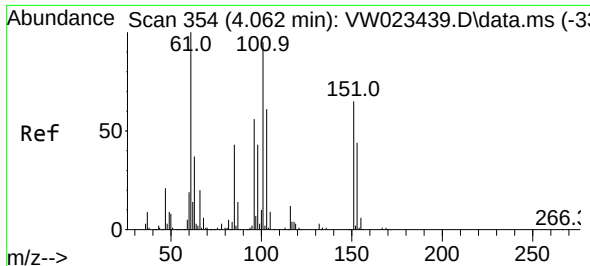
Tgt Ion: 64 Resp: 17149  
Ion Ratio Lower Upper  
64 100  
66 35.0 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 4.878 ug/L  
RT: 3.251 min Scan# 221  
Delta R.T. -0.006 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

Tgt Ion: 101 Resp: 14899  
Ion Ratio Lower Upper  
101 100  
103 62.6 53.9 80.9

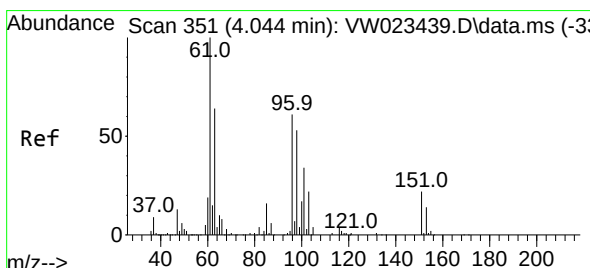
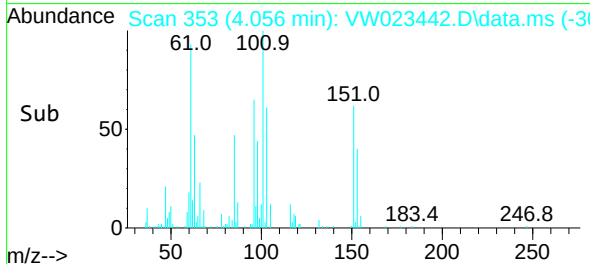
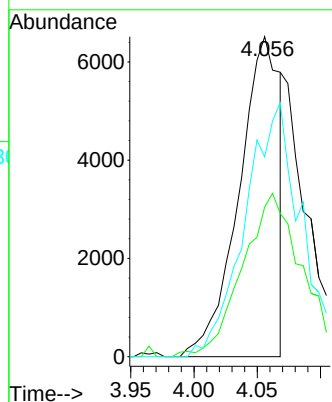
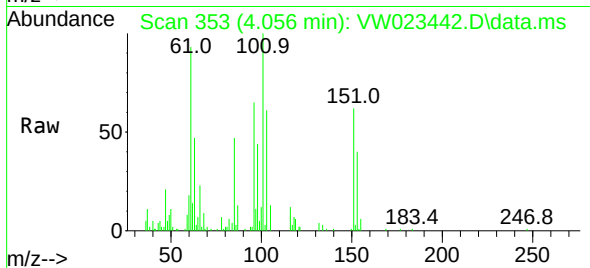




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 3.396 ug/L  
 RT: 4.056 min Scan# 310  
 Delta R.T. -0.006 min  
 Lab File: VW023442.D  
 Acq: 10 Jun 2022 12:32

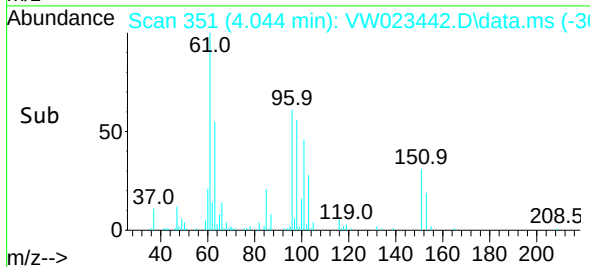
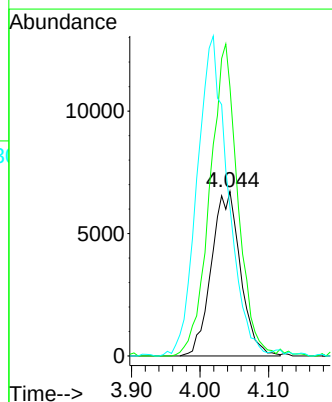
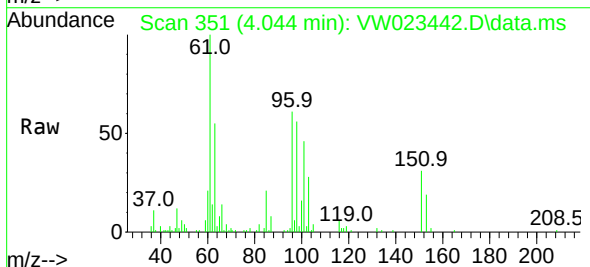
Instrument :  
 MSVOA\_W  
 ClientSampleId :

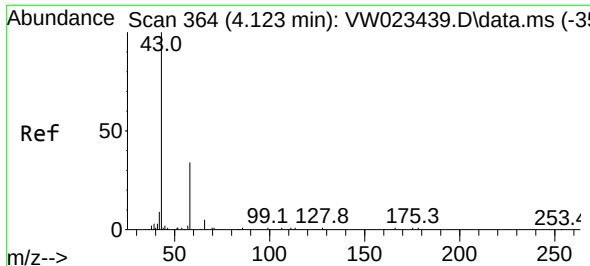
Tgt Ion:101 Resp: 14657  
 Ion Ratio Lower Upper  
 101 100  
 85 67.8 34.3 51.5#  
 151 111.1 54.2 81.2#



#12  
 1,1-Dichloroethene  
 Concen: 5.165 ug/L  
 RT: 4.044 min Scan# 351  
 Delta R.T. -0.000 min  
 Lab File: VW023442.D  
 Acq: 10 Jun 2022 12:32

Tgt Ion: 96 Resp: 19760  
 Ion Ratio Lower Upper  
 96 100  
 61 163.6 125.7 233.5  
 63 90.5 83.4 155.0

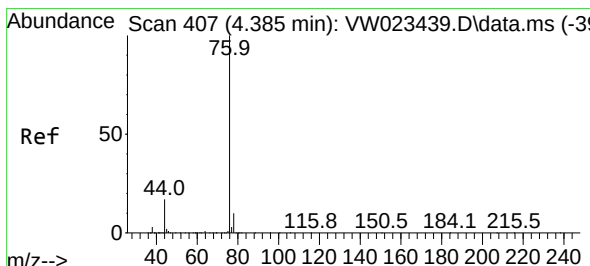
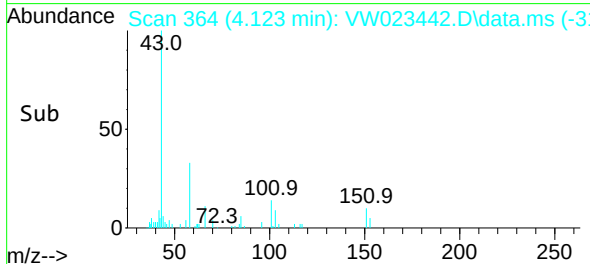
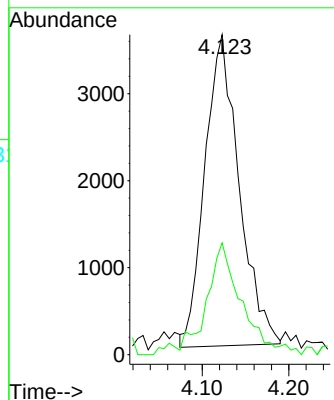
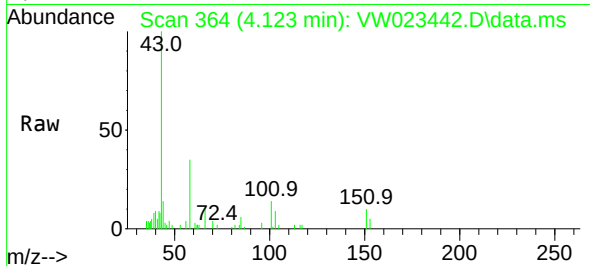




#13  
Acetone  
Concen: 13.087 ug/L  
RT: 4.123 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
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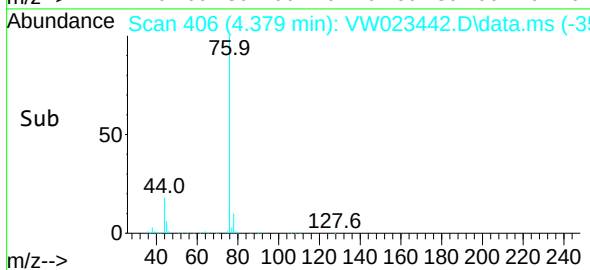
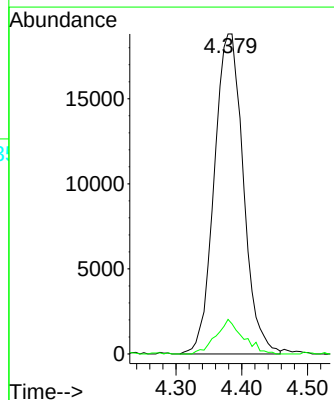
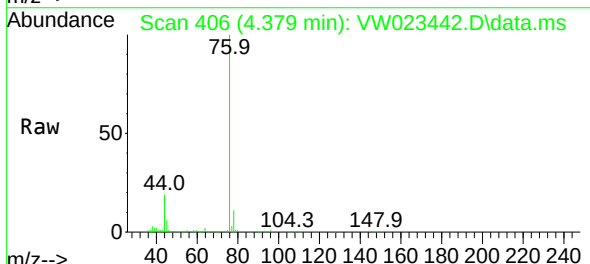
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 9819  
Ion Ratio Lower Upper  
43 100  
58 31.4 0.0 64.0

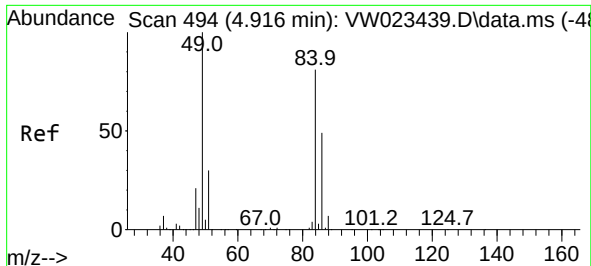


#14  
Carbon disulfide  
Concen: 4.759 ug/L  
RT: 4.379 min Scan# 406  
Delta R.T. -0.006 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

Tgt Ion: 76 Resp: 57876  
Ion Ratio Lower Upper  
76 100  
78 10.8 7.7 11.5

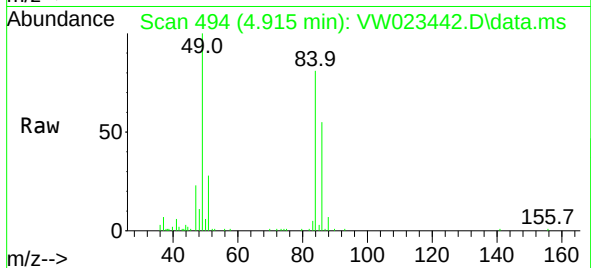




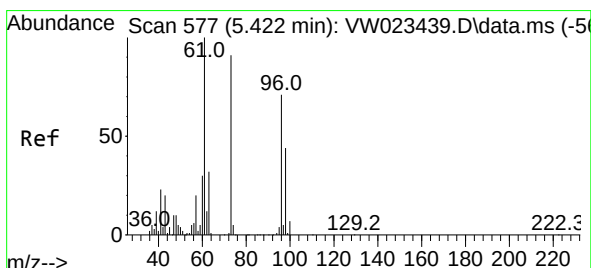
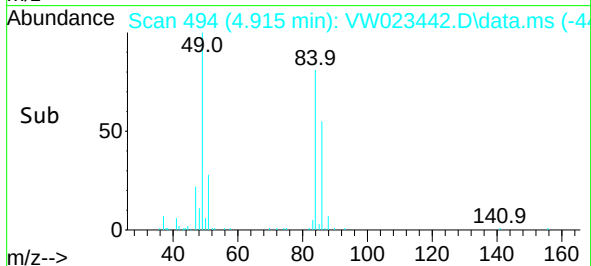
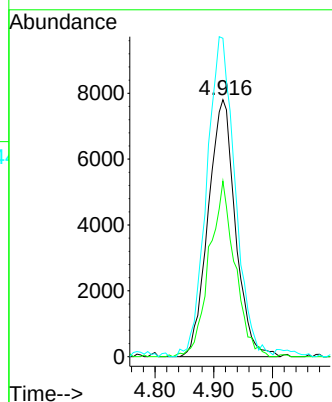


#16  
Methylene chloride  
Concen: 5.177 ug/L  
RT: 4.915 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

Instrument :  
MSVOA\_W  
ClientSampleId :

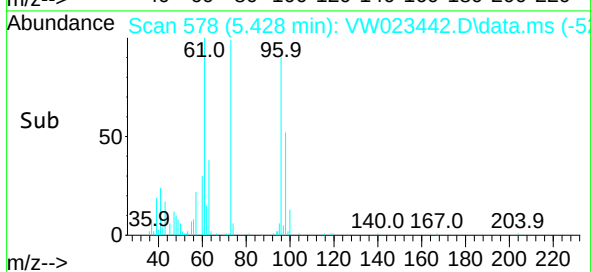
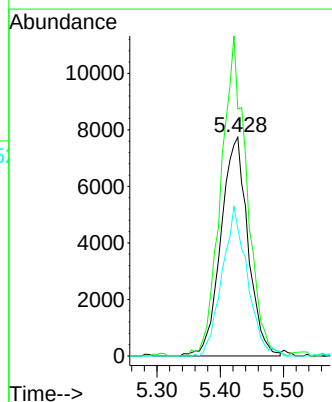
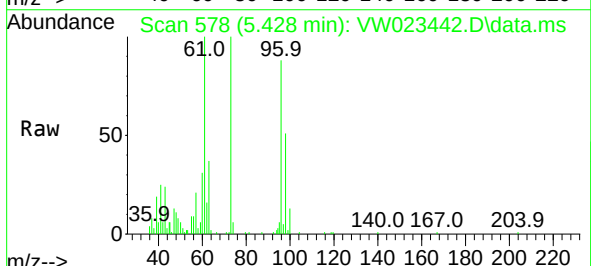


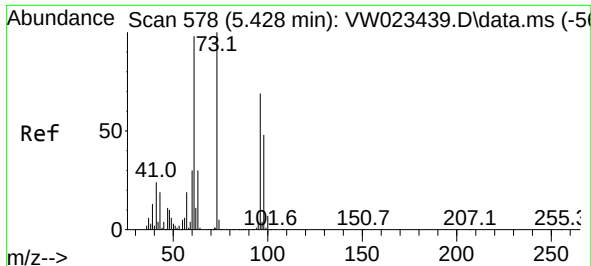
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 25158 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 68.3  | 45.4  | 84.4  |
| 49       | 123.9 | 82.5  | 153.1 |



#17  
trans-1,2-Dichloroethene  
Concen: 5.057 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

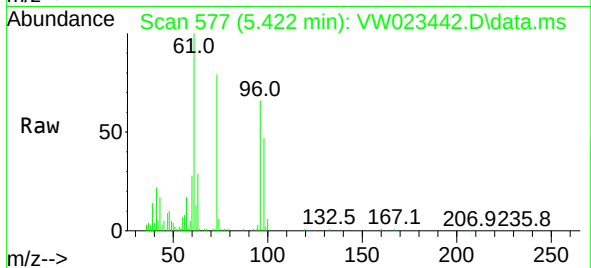
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 22983 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 113.0 | 92.2  | 171.2 |
| 98       | 58.5  | 42.9  | 79.7  |



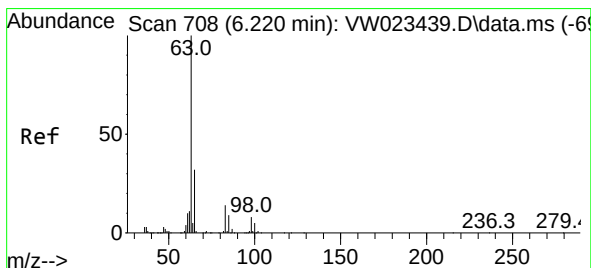
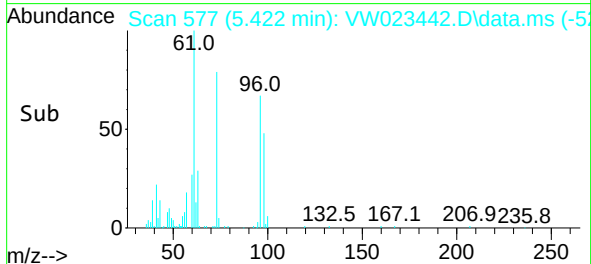
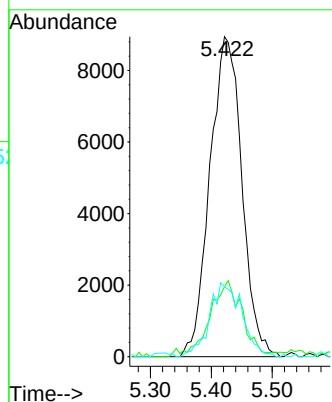


#18  
Methyl tert-butyl Ether  
Concen: 4.883 ug/L  
RT: 5.422 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

Instrument :  
MSVOA\_W  
ClientSampleId :

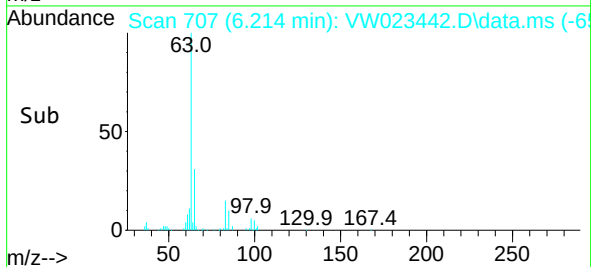
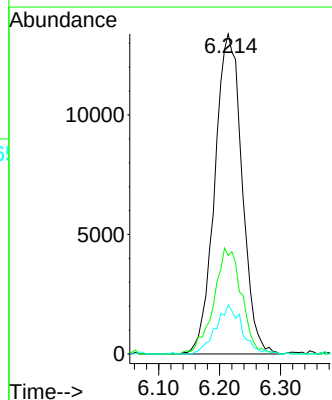
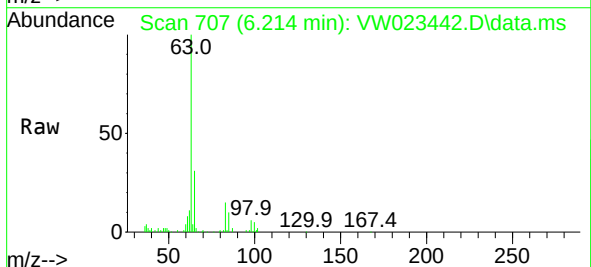


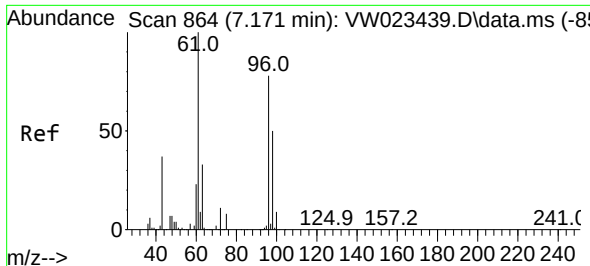
Tgt Ion: 73 Resp: 32592  
Ion Ratio Lower Upper  
73 100  
43 15.7 15.9 23.9#  
57 17.5 16.5 24.7



#19  
1,1-Dichloroethane  
Concen: 5.358 ug/L  
RT: 6.214 min Scan# 707  
Delta R.T. -0.006 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

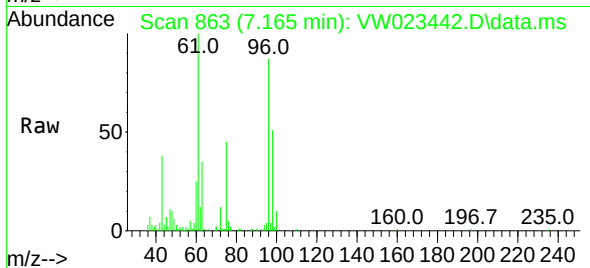
Tgt Ion: 63 Resp: 41599  
Ion Ratio Lower Upper  
63 100  
65 30.7 23.3 43.3  
83 15.3 11.1 20.5



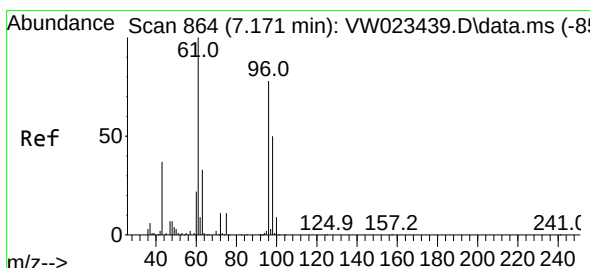
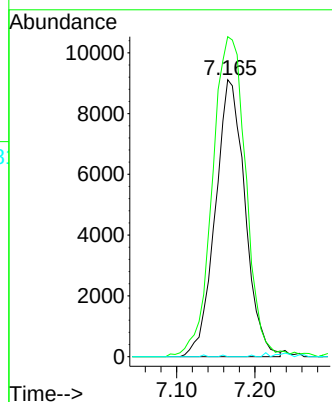
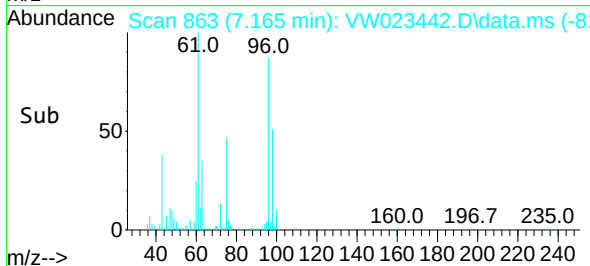


#20  
 cis-1,2-Dichloroethene  
 Concen: 4.983 ug/L  
 RT: 7.165 min Scan# 863  
 Delta R.T. -0.006 min  
 Lab File: VW023442.D  
 Acq: 10 Jun 2022 12:32

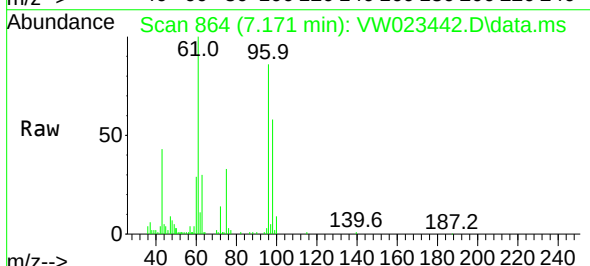
Instrument :  
 MSVOA\_W  
 ClientSampleId :



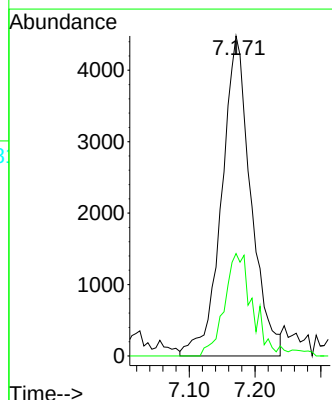
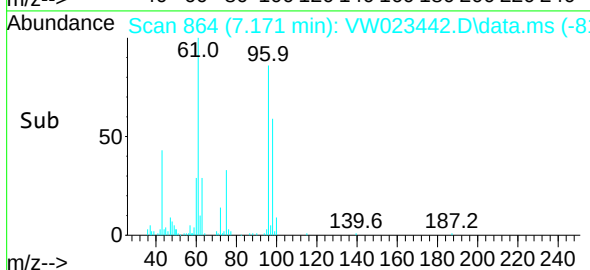
Tgt Ion: 96 Resp: 24009  
 Ion Ratio Lower Upper  
 96 100  
 61 115.6 84.2 156.4  
 68 0.0 0.1 0.1#

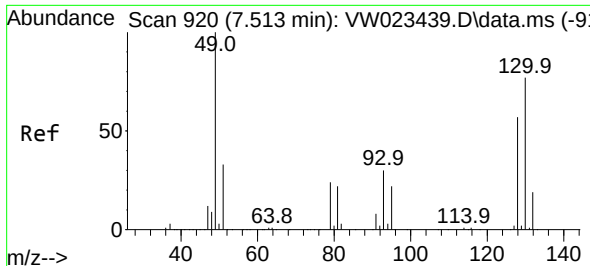


#22  
 2-Butanone  
 Concen: 12.370 ug/L  
 RT: 7.171 min Scan# 864  
 Delta R.T. -0.000 min  
 Lab File: VW023442.D  
 Acq: 10 Jun 2022 12:32



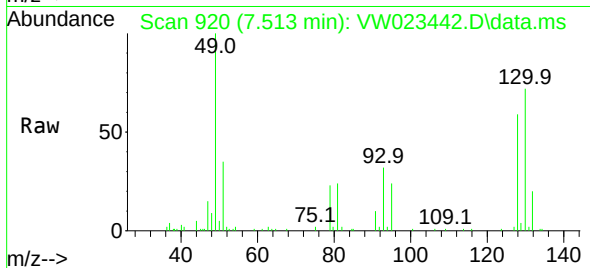
Tgt Ion: 43 Resp: 13823  
 Ion Ratio Lower Upper  
 43 100  
 72 18.3 15.1 45.3



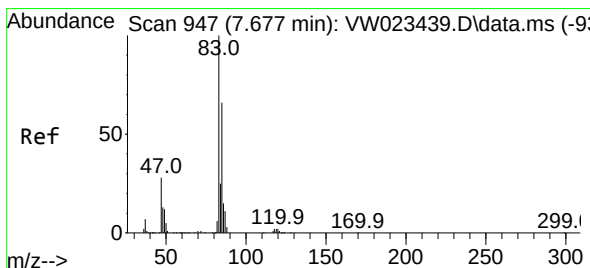
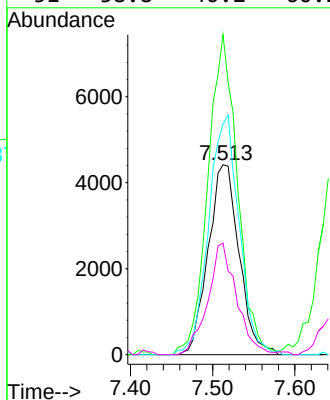
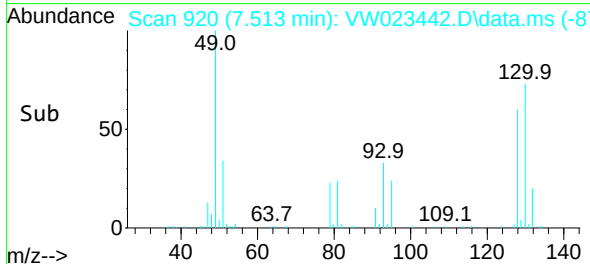


#23  
Bromochloromethane  
Concen: 5.114 ug/L  
RT: 7.513 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

Instrument :  
MSVOA\_W  
ClientSampleId :

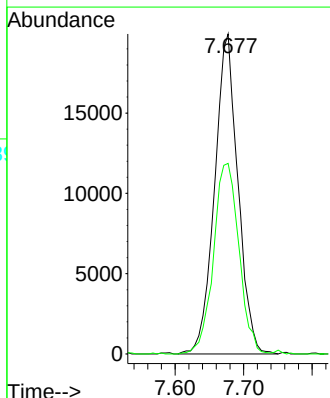
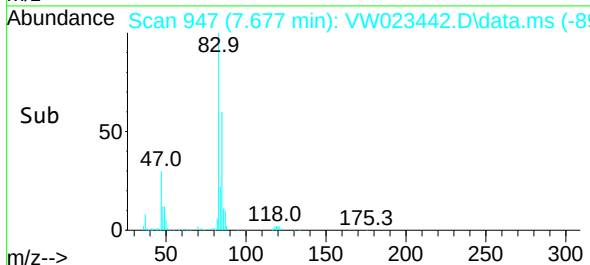
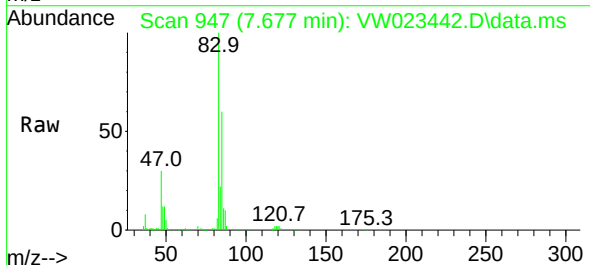


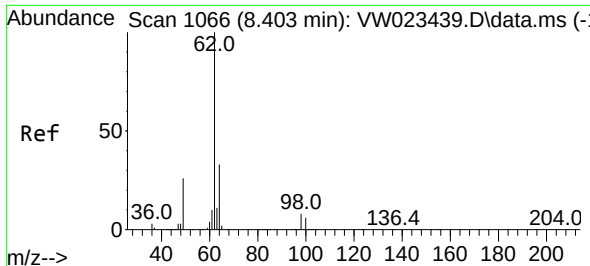
Tgt Ion:128 Resp: 11541  
Ion Ratio Lower Upper  
128 100  
49 168.5 110.0 204.4  
130 121.3 94.8 176.0  
51 58.8 40.2 60.2



#25  
Chloroform  
Concen: 5.459 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

Tgt Ion: 83 Resp: 47057  
Ion Ratio Lower Upper  
83 100  
85 59.5 46.6 86.6





#27

1,2-Dichloroethane

Concen: 5.334 ug/L

RT: 8.397 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VW023442.D

Acq: 10 Jun 2022 12:32

Instrument :

MSVOA\_W

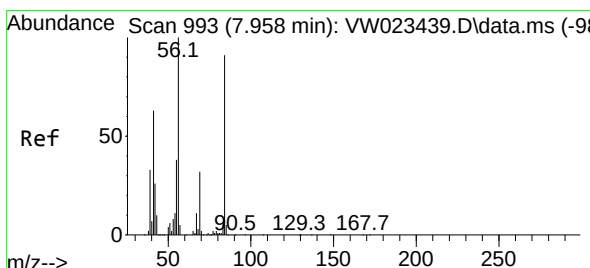
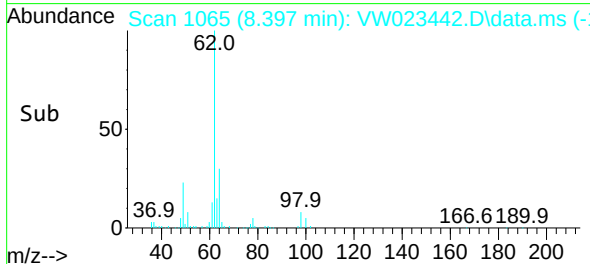
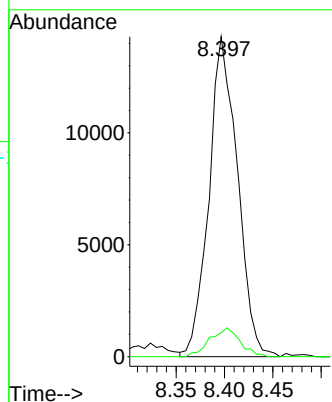
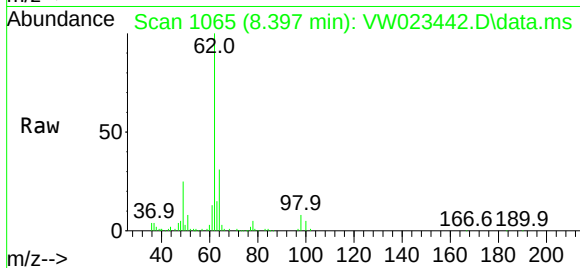
ClientSampleId :

Tgt Ion: 62 Resp: 29345

Ion Ratio Lower Upper

62 100

98 7.5 7.2 10.8



#29

Cyclohexane

Concen: 4.642 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW023442.D

Acq: 10 Jun 2022 12:32

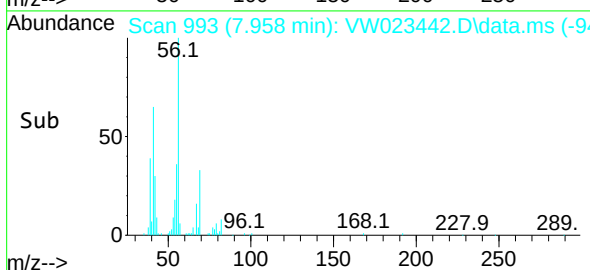
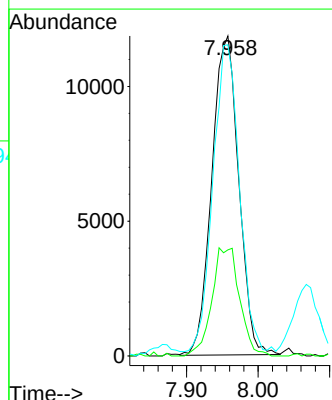
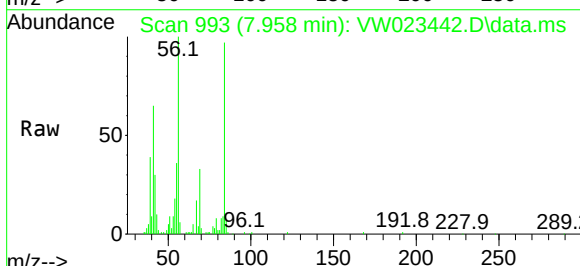
Tgt Ion: 56 Resp: 30968

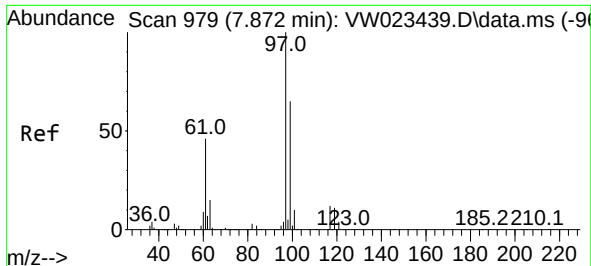
Ion Ratio Lower Upper

56 100

69 17.1 25.6 38.4

84 97.6 78.2 117.4





#30

1,1,1-Trichloroethane

Concen: 5.190 ug/L

RT: 7.872 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW023442.D

Acq: 10 Jun 2022 12:32

Instrument :

MSVOA\_W

ClientSampleId :

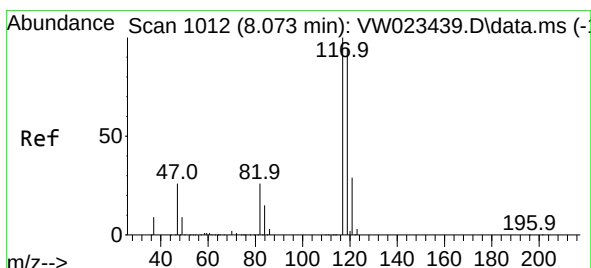
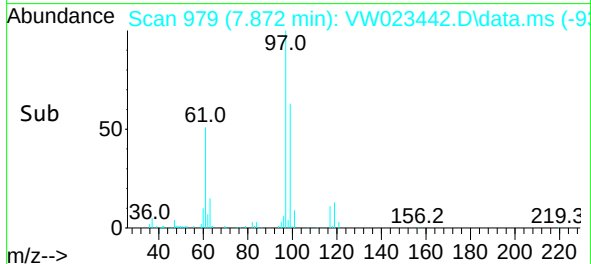
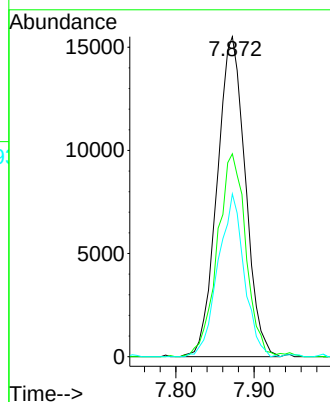
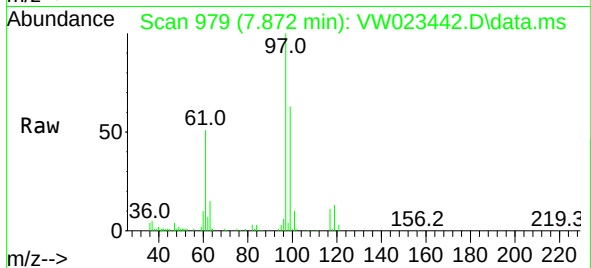
Tgt Ion: 97 Resp: 38791

Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.4

61 47.0 34.8 52.2



#31

Carbon tetrachloride

Concen: 5.189 ug/L

RT: 8.067 min Scan# 1011

Delta R.T. -0.006 min

Lab File: VW023442.D

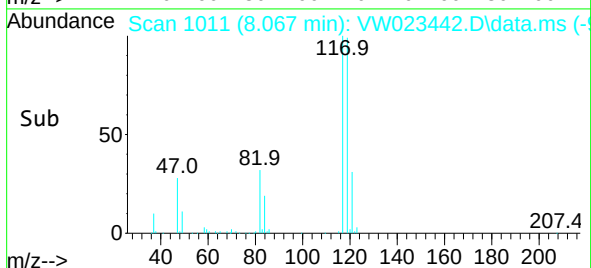
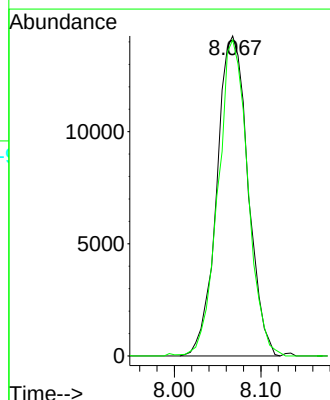
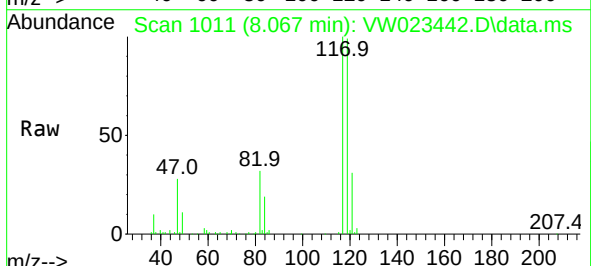
Acq: 10 Jun 2022 12:32

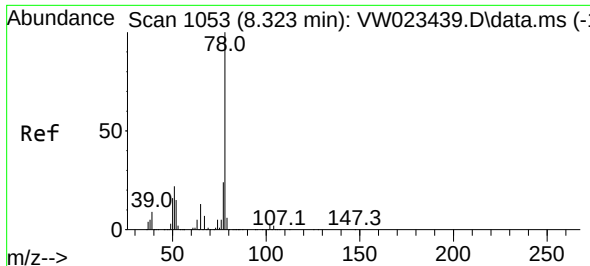
Tgt Ion: 117 Resp: 35568

Ion Ratio Lower Upper

117 100

119 94.5 76.6 115.0





#33

Benzene

Concen: 5.168 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VW023442.D

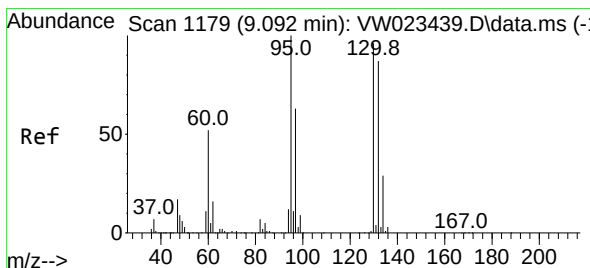
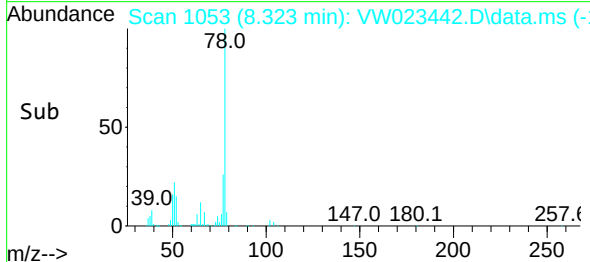
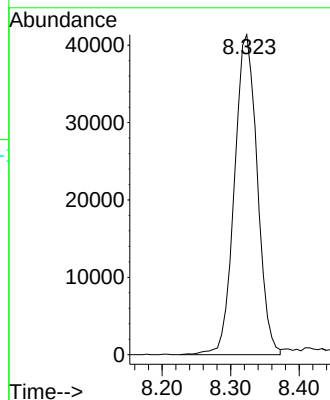
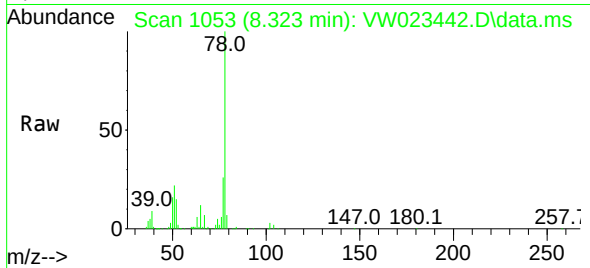
Acq: 10 Jun 2022 12:32

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 78 Resp: 95836



#34

Trichloroethene

Concen: 5.068 ug/L

RT: 9.085 min Scan# 1178

Delta R.T. -0.006 min

Lab File: VW023442.D

Acq: 10 Jun 2022 12:32

Tgt Ion: 95 Resp: 25461

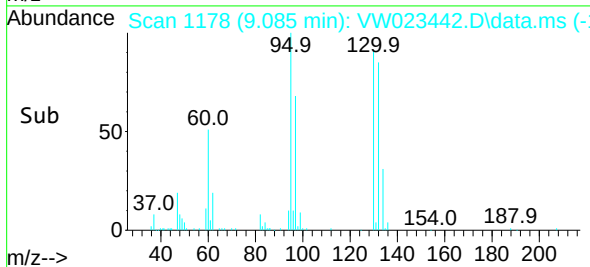
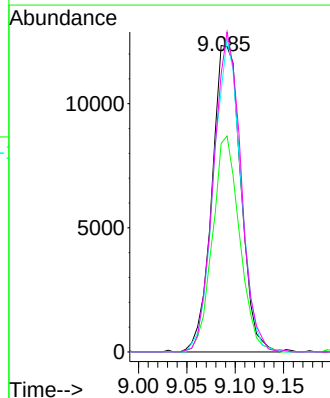
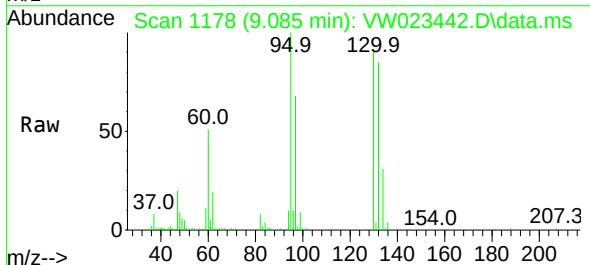
Ion Ratio Lower Upper

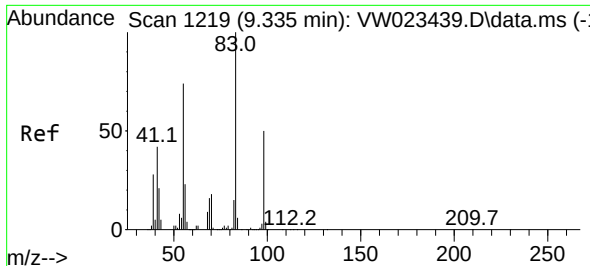
95 100

97 68.1 46.1 85.7

132 85.3 66.9 124.3

130 90.7 69.5 129.1

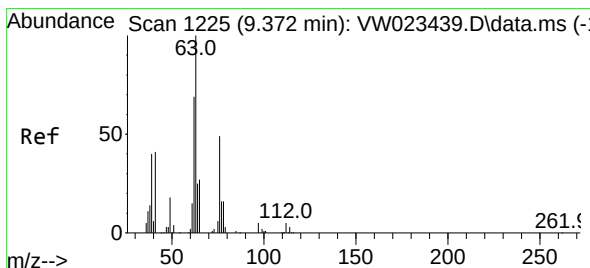
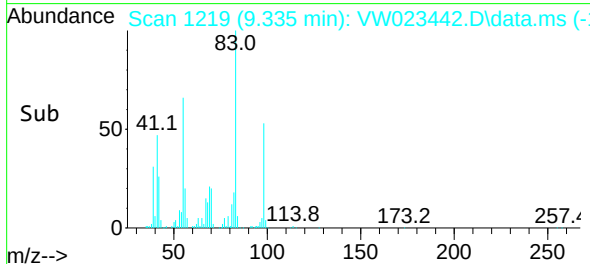
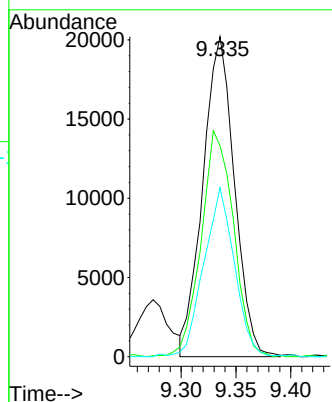
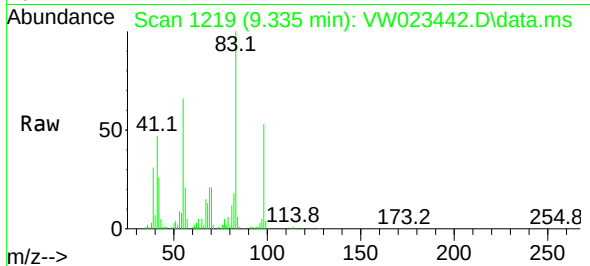




#35  
Methylcyclohexane  
Concen: 4.907 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

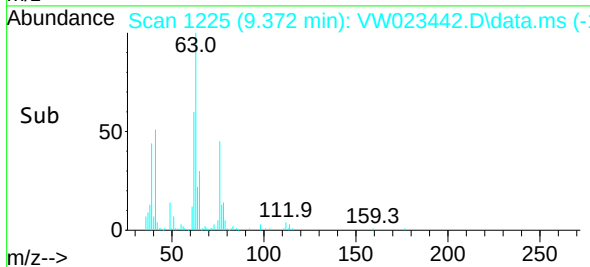
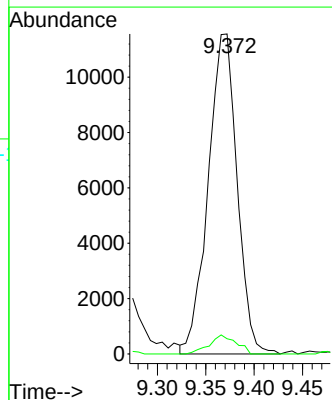
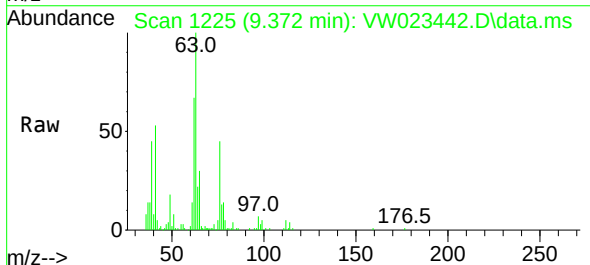
Instrument :  
MSVOA\_W  
ClientSampleId :

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 72.2  | 55.1  | 82.7  |
| 98      | 51.0  | 40.4  | 60.6  |

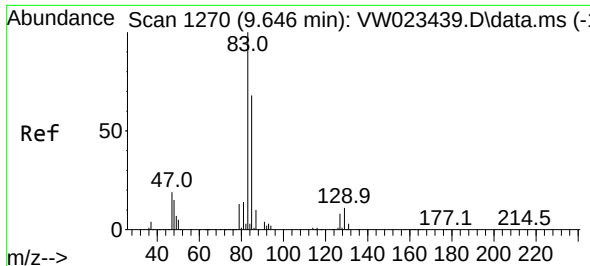


#37  
1,2-Dichloropropane  
Concen: 5.490 ug/L  
RT: 9.372 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 5.5   | 3.8   | 5.8   |



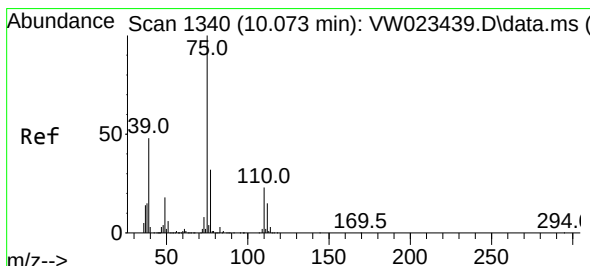
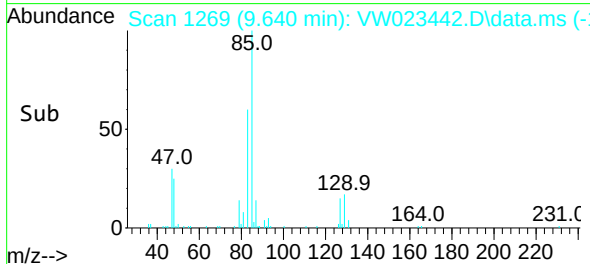
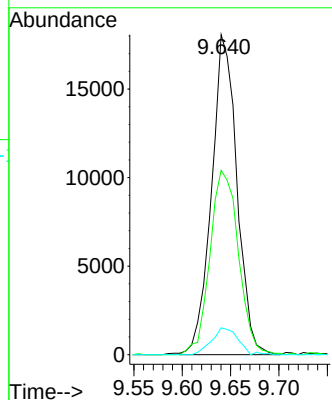
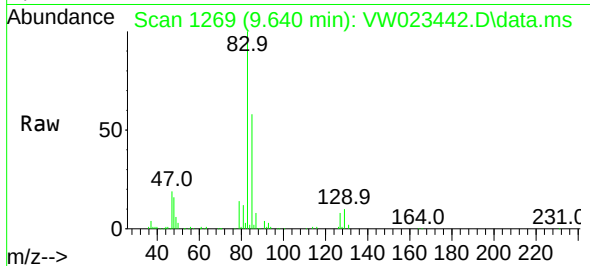




#38  
Bromodichloromethane  
Concen: 5.368 ug/L  
RT: 9.640 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

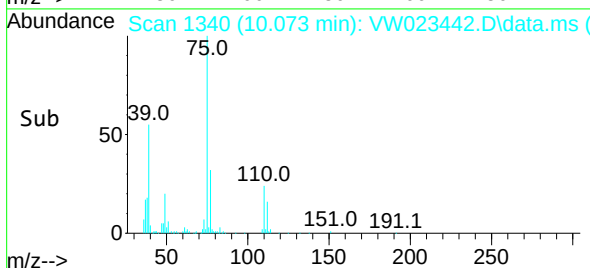
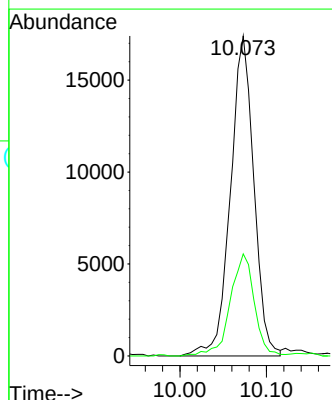
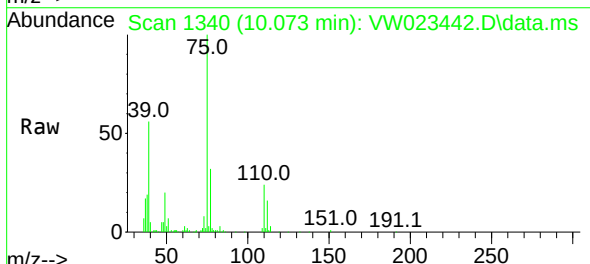
Instrument :  
MSVOA\_W  
ClientSampleId :

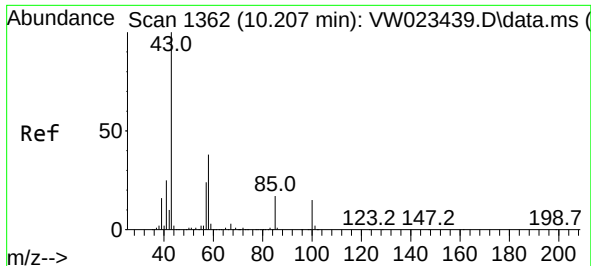
Tgt Ion: 83 Resp: 32982  
Ion Ratio Lower Upper  
83 100  
85 57.6 43.5 80.7  
127 8.4 7.1 10.7



#39  
cis-1,3-Dichloropropene  
Concen: 4.796 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

Tgt Ion: 75 Resp: 32684  
Ion Ratio Lower Upper  
75 100  
77 31.9 22.1 41.1

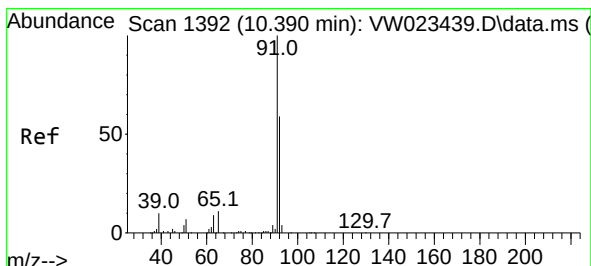
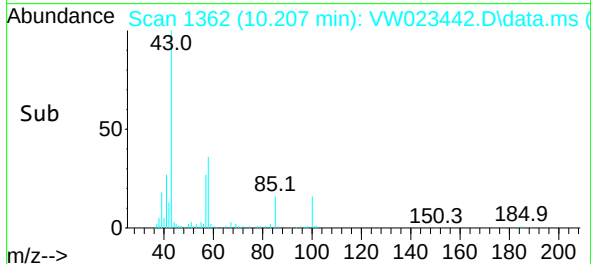
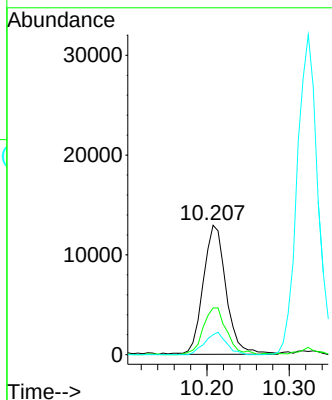
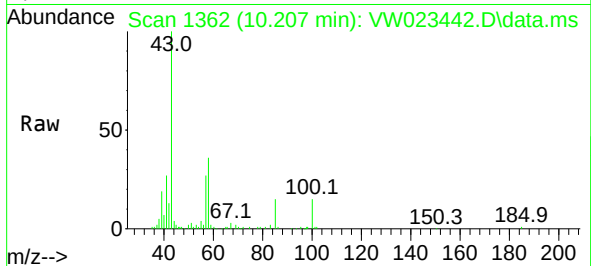




#40  
4-Methyl-2-pentanone  
Concen: 10.391 ug/L  
RT: 10.207 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

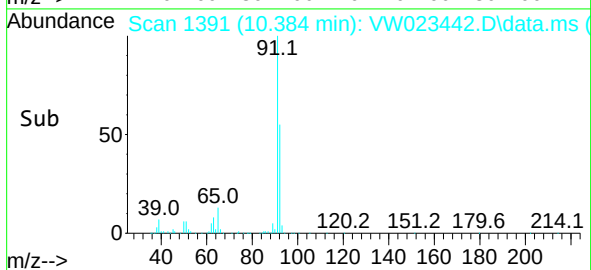
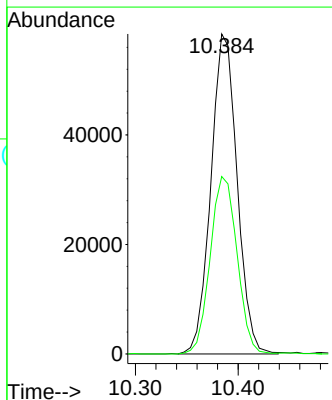
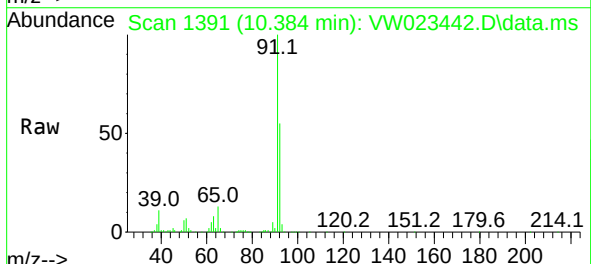
Instrument :  
MSVOA\_W  
ClientSampleId :

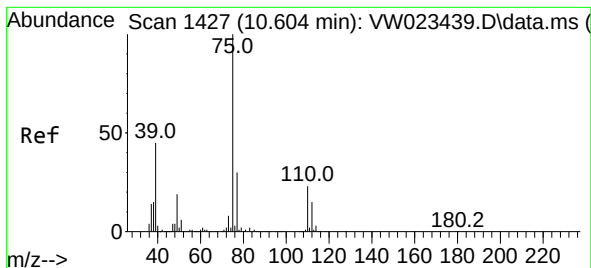
Tgt Ion: 43 Resp: 24975  
Ion Ratio Lower Upper  
43 100  
58 36.5 31.4 47.2  
100 16.3 14.2 21.4



#42  
Toluene  
Concen: 4.960 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

Tgt Ion: 91 Resp: 103606  
Ion Ratio Lower Upper  
91 100  
92 55.5 41.6 77.2





#44

trans-1,3-Dichloropropene

Concen: 4.976 ug/L

RT: 10.604 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VW023442.D

Acq: 10 Jun 2022 12:32

Instrument :

MSVOA\_W

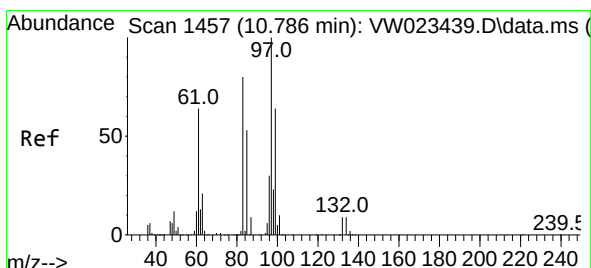
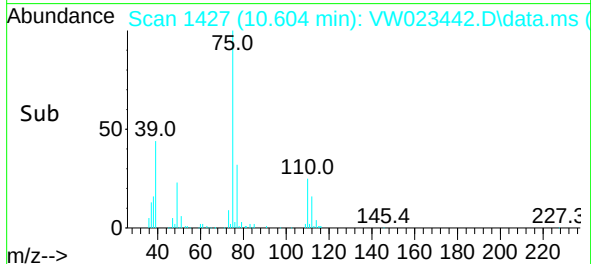
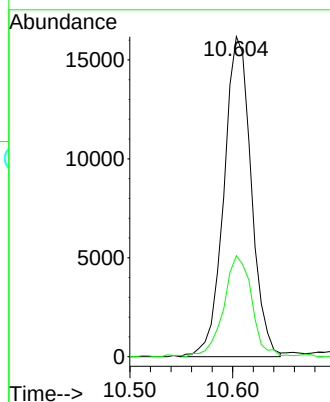
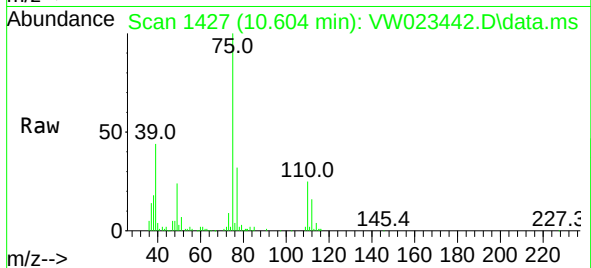
ClientSampleId :

Tgt Ion: 75 Resp: 29836

Ion Ratio Lower Upper

75 100

77 31.5 22.0 40.8



#45

1,1,2-Trichloroethane

Concen: 5.231 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW023442.D

Acq: 10 Jun 2022 12:32

Tgt Ion: 97 Resp: 18460

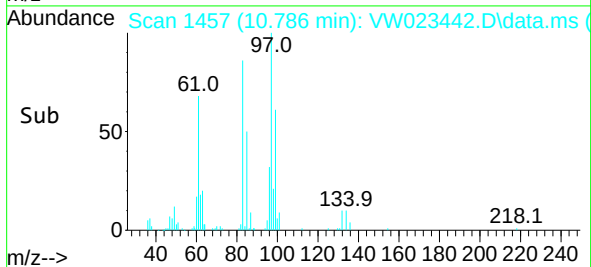
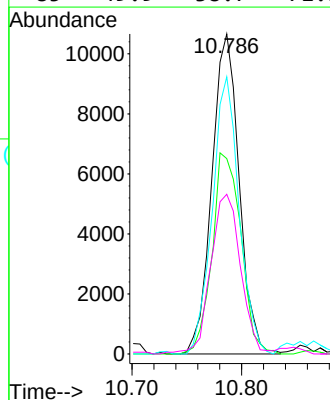
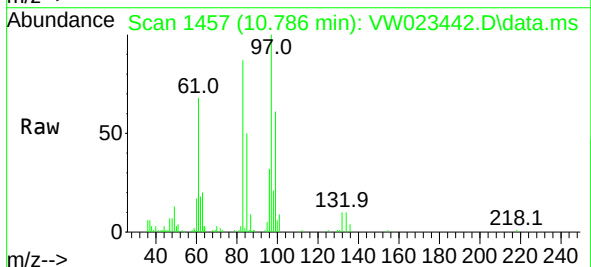
Ion Ratio Lower Upper

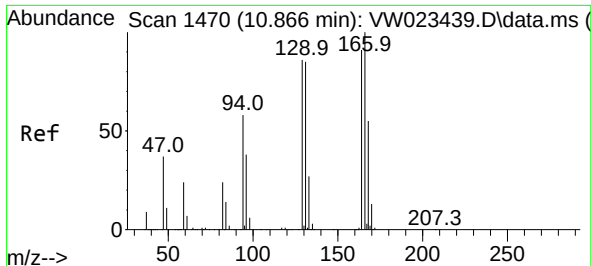
97 100

99 61.1 44.7 82.9

83 86.6 58.4 108.4

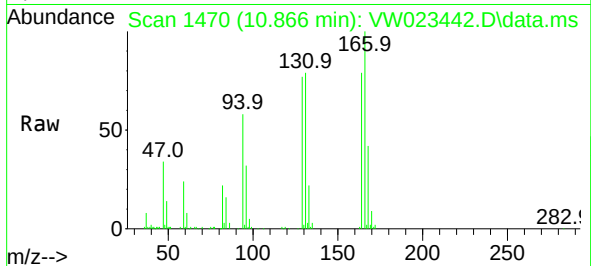
85 49.9 38.7 71.9



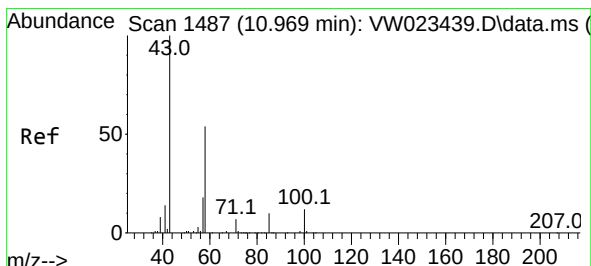
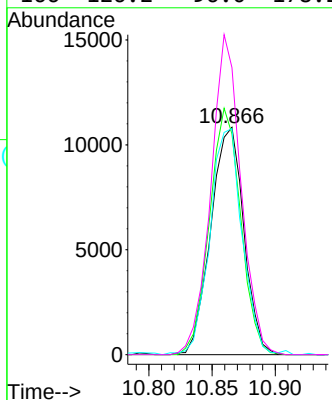
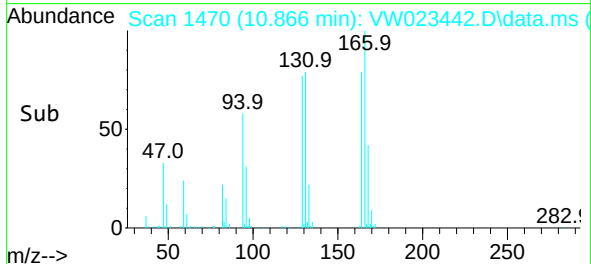


#46  
Tetrachloroethene  
Concen: 4.945 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

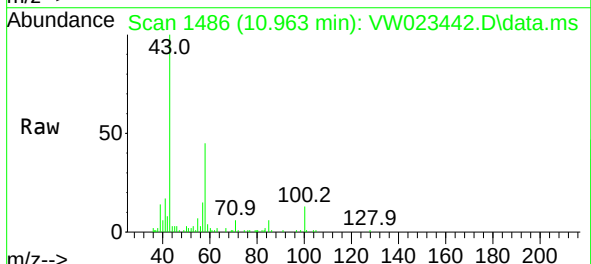
Instrument :  
MSVOA\_W  
ClientSampleId :



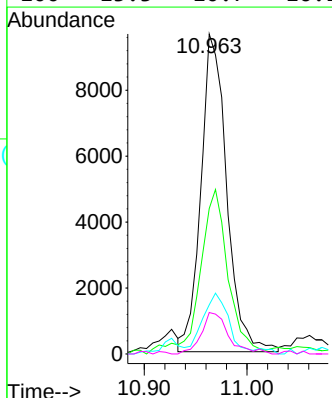
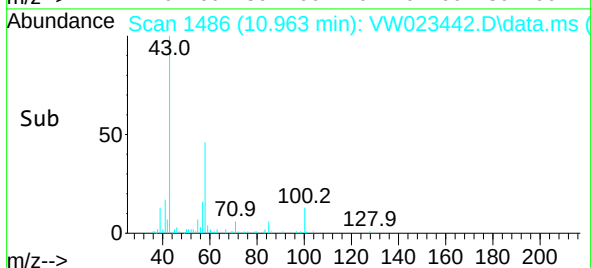
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 19556 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 97.1  | 76.9  | 142.7 |
| 131      | 99.4  | 75.1  | 139.5 |
| 166      | 126.2 | 96.0  | 178.2 |

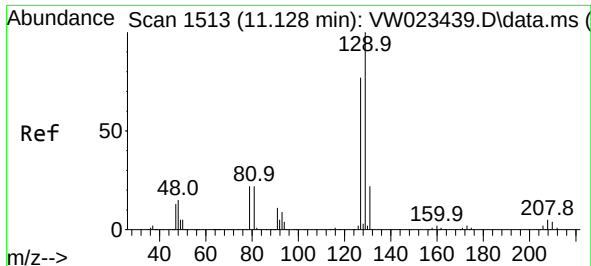


#48  
2-Hexanone  
Concen: 10.819 ug/L  
RT: 10.963 min Scan# 1486  
Delta R.T. -0.006 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 16856 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 56.3  | 45.9  | 68.9  |
| 57       | 19.3  | 16.2  | 24.2  |
| 100      | 13.3  | 10.7  | 16.1  |

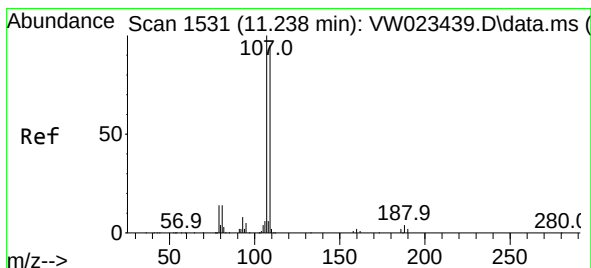
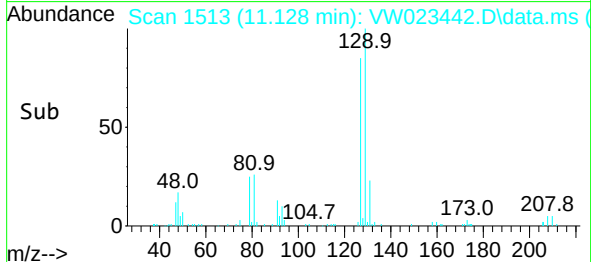
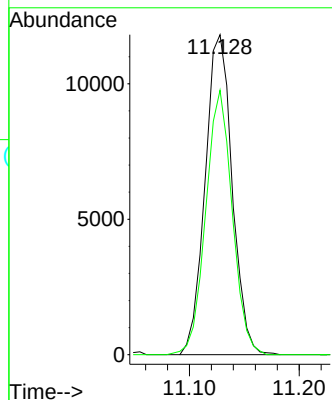
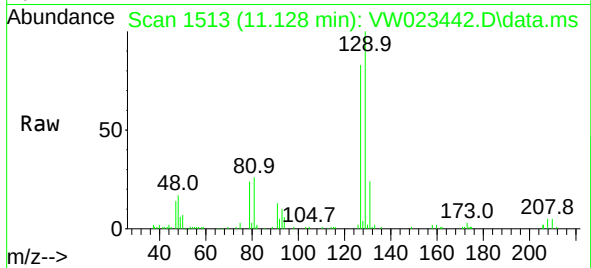




#49  
Dibromochloromethane  
Concen: 4.737 ug/L  
RT: 11.128 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

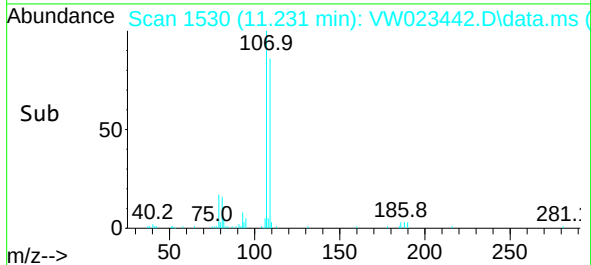
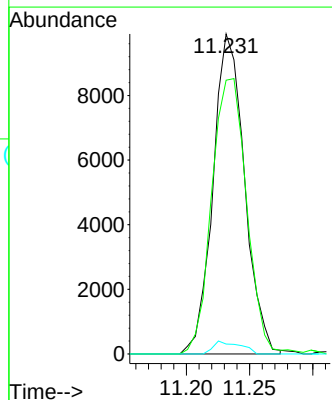
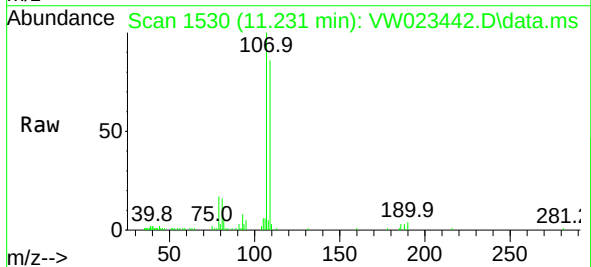
Instrument :  
MSVOA\_W  
ClientSampleId :

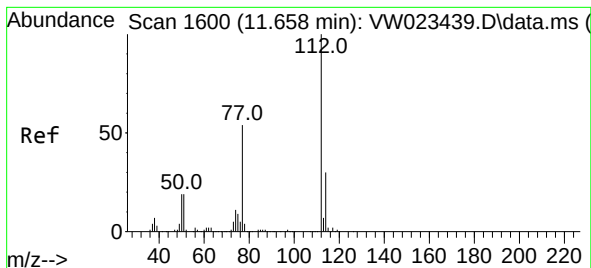
Tgt Ion:129 Resp: 20287  
Ion Ratio Lower Upper  
129 100  
127 82.7 53.8 100.0



#50  
1,2-Dibromoethane  
Concen: 4.997 ug/L  
RT: 11.231 min Scan# 1530  
Delta R.T. -0.006 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

Tgt Ion:107 Resp: 17171  
Ion Ratio Lower Upper  
107 100  
109 85.6 67.5 125.4  
188 3.1 2.9 4.3





#51

Chlorobenzene

Concen: 5.085 ug/L

RT: 11.658 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW023442.D

Acq: 10 Jun 2022 12:32

Instrument :

MSVOA\_W

ClientSampleId :

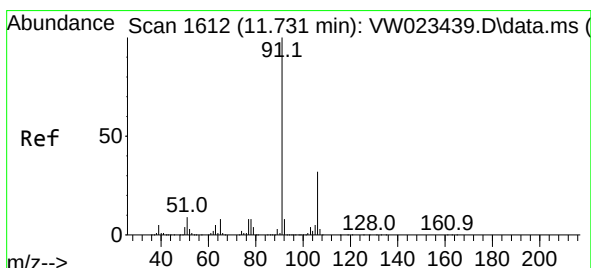
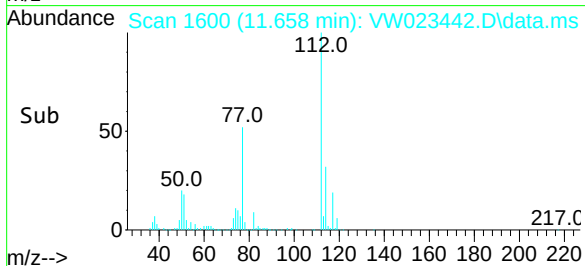
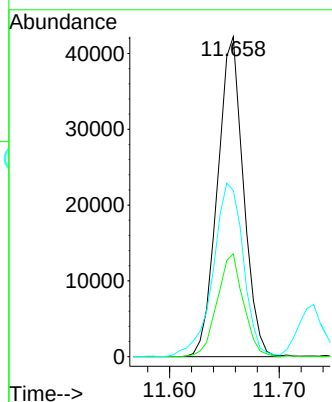
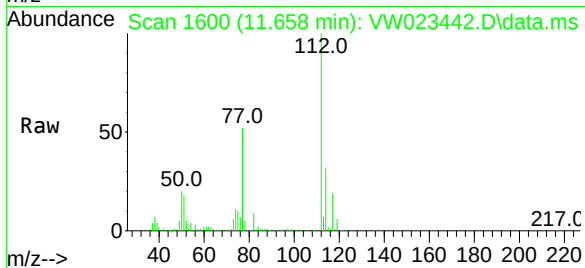
Tgt Ion:112 Resp: 69605

Ion Ratio Lower Upper

112 100

114 32.2 22.0 41.0

77 52.0 42.6 63.8



#52

Ethylbenzene

Concen: 4.980 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. -0.000 min

Lab File: VW023442.D

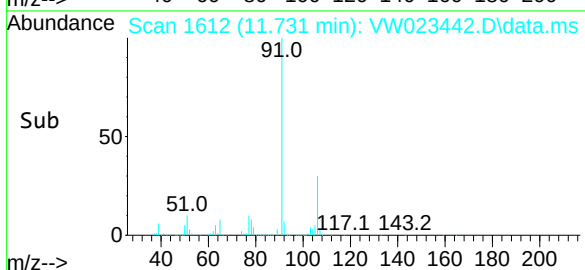
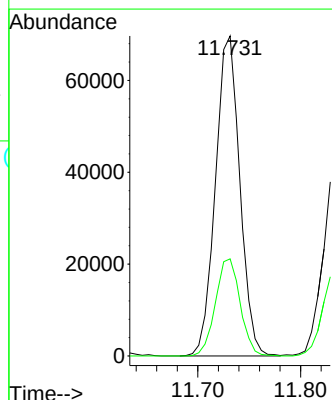
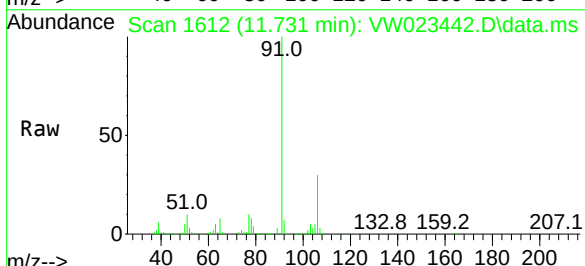
Acq: 10 Jun 2022 12:32

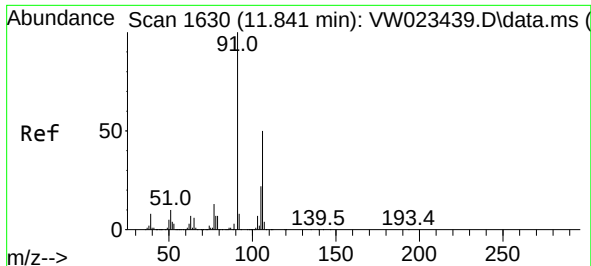
Tgt Ion: 91 Resp: 114842

Ion Ratio Lower Upper

91 100

106 30.4 22.3 41.3

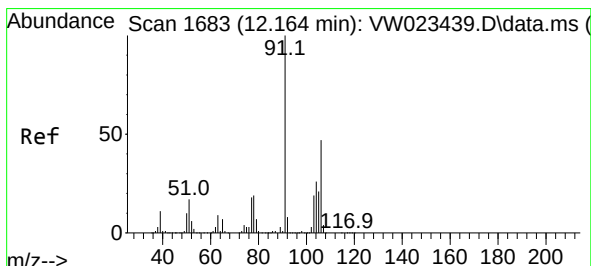
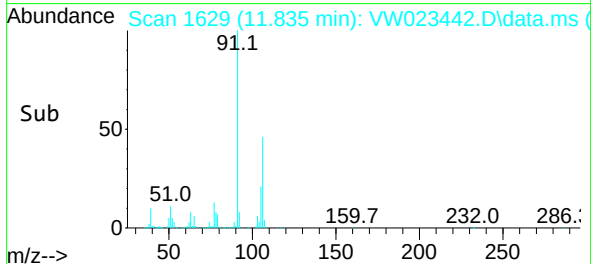
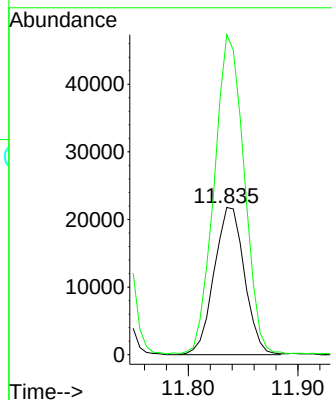
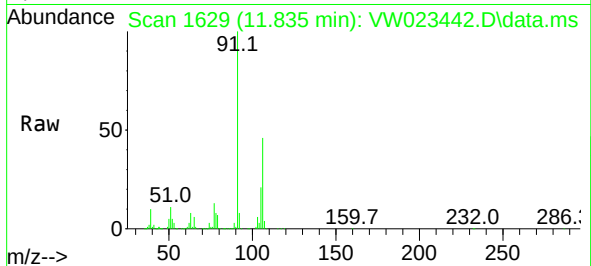




#53  
m,p-Xylene  
Concen: 4.693 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.006 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

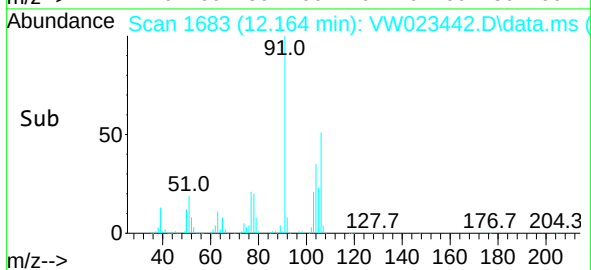
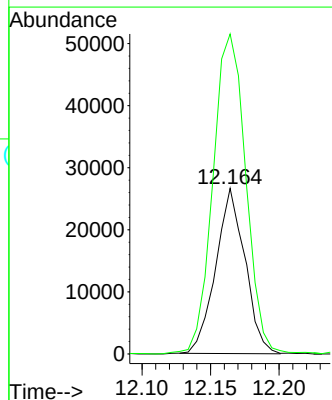
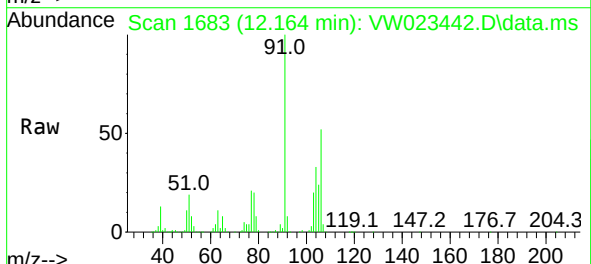
Instrument :  
MSVOA\_W  
ClientSampleId :

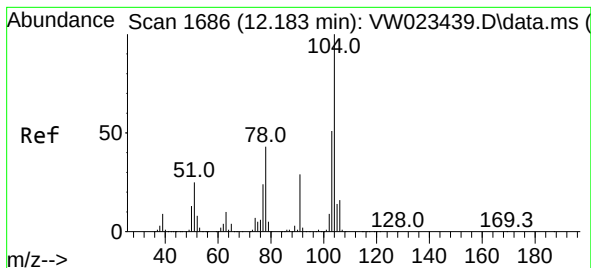
Tgt Ion:106 Resp: 41904  
Ion Ratio Lower Upper  
106 100  
91 217.5 136.8 254.0



#54  
o-Xylene  
Concen: 4.599 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

Tgt Ion:106 Resp: 39535  
Ion Ratio Lower Upper  
106 100  
91 193.3 147.2 273.4





#55

Styrene

Concen: 4.695 ug/L

RT: 12.176 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW023442.D

Acq: 10 Jun 2022 12:32

Instrument :

MSVOA\_W

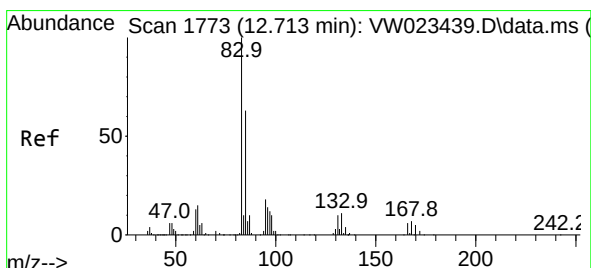
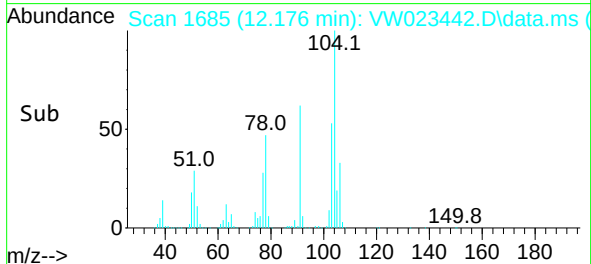
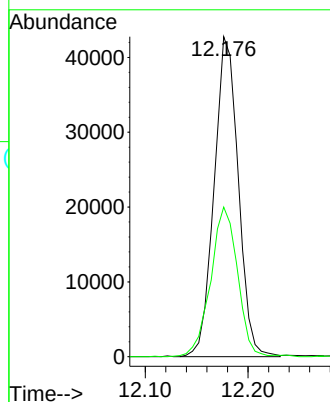
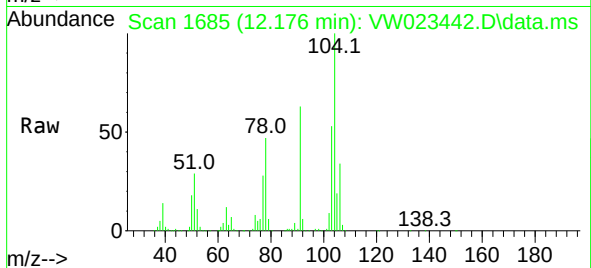
ClientSampleId :

Tgt Ion:104 Resp: 69684

Ion Ratio Lower Upper

104 100

78 46.7 32.3 59.9



#57

1,1,2,2-Tetrachloroethane

Concen: 4.995 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VW023442.D

Acq: 10 Jun 2022 12:32

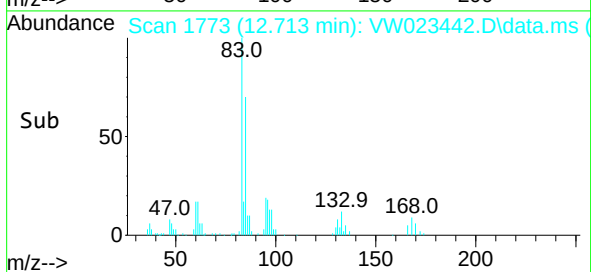
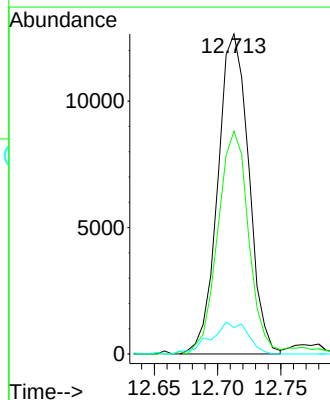
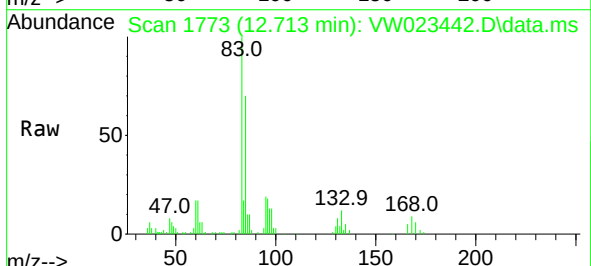
Tgt Ion: 83 Resp: 21493

Ion Ratio Lower Upper

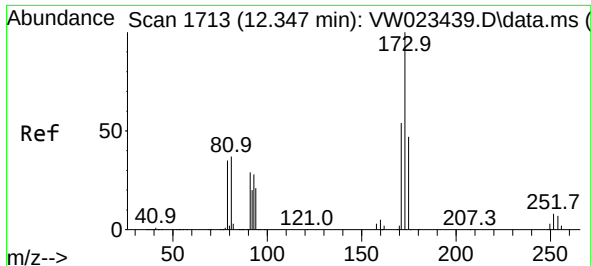
83 100

85 69.6 47.5 88.1

131 8.3 8.7 13.1#

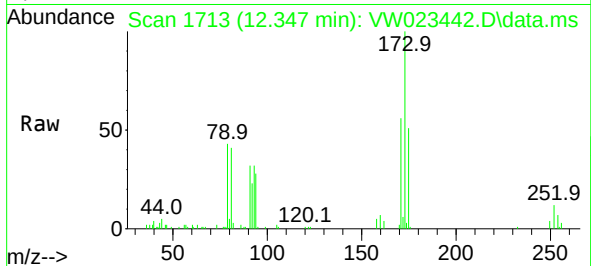




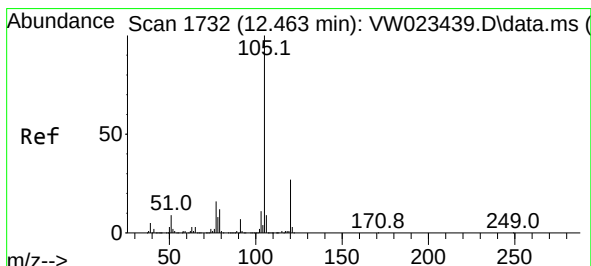
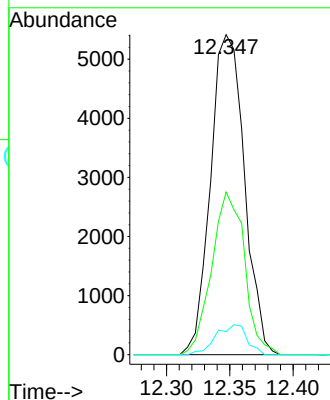
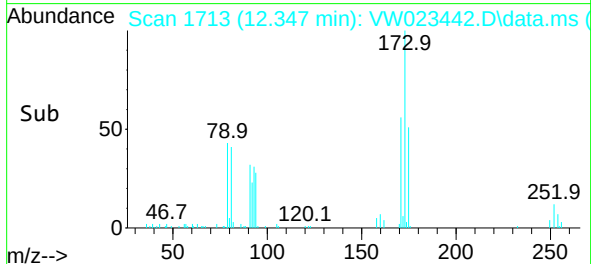


#59  
Bromoform  
Concen: 4.775 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

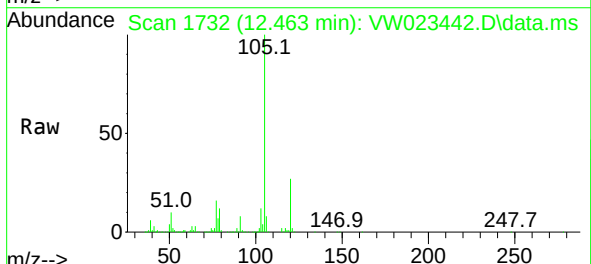
Instrument :  
MSVOA\_W  
ClientSampleId :



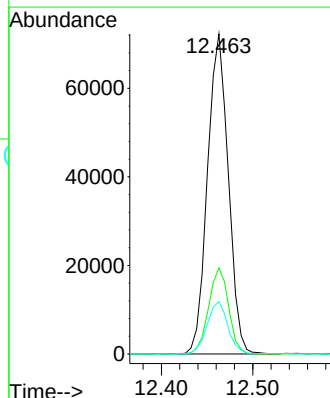
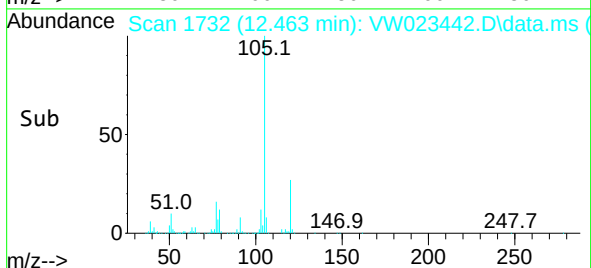
Tgt Ion:173 Resp: 10084  
Ion Ratio Lower Upper  
173 100  
175 49.2 38.1 57.1  
254 8.7 6.5 9.7

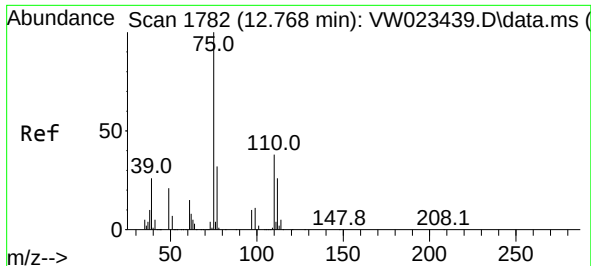


#60  
Isopropylbenzene  
Concen: 5.239 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32



Tgt Ion:105 Resp: 114257  
Ion Ratio Lower Upper  
105 100  
120 25.7 21.3 31.9  
77 16.2 12.6 19.0





#61

1,2,3-Trichloropropane

Concen: 5.633 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VW023442.D

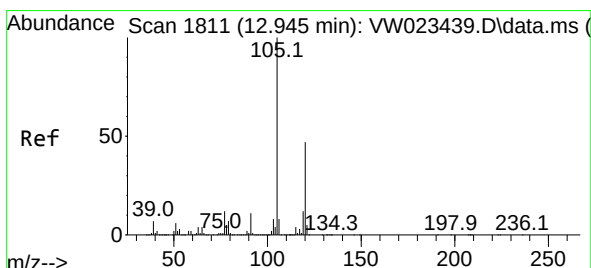
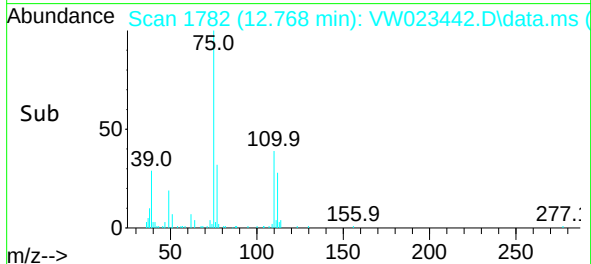
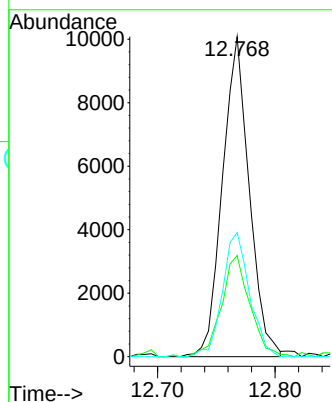
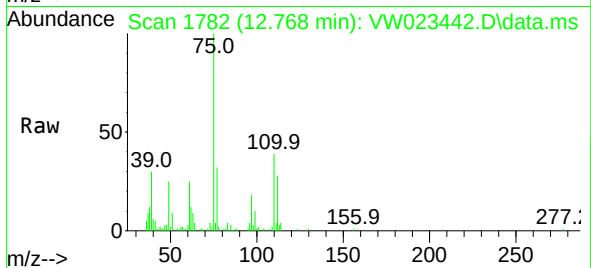
Acq: 10 Jun 2022 12:32

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 15948 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 33.7  | 26.2  | 39.2  |
| 110      | 39.3  | 34.1  | 51.1  |



#62

1,3,5-Trimethylbenzene

Concen: 4.812 ug/L

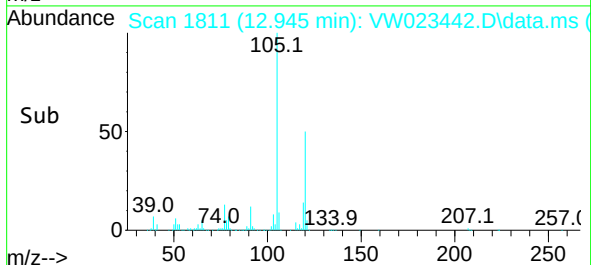
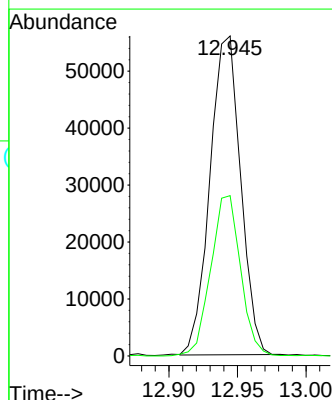
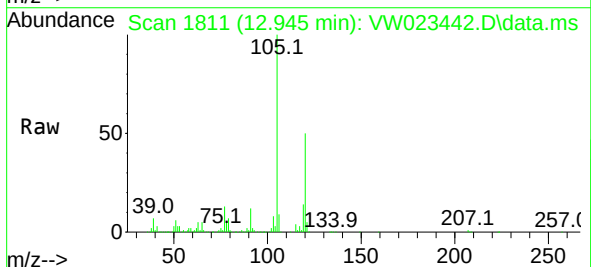
RT: 12.945 min Scan# 1811

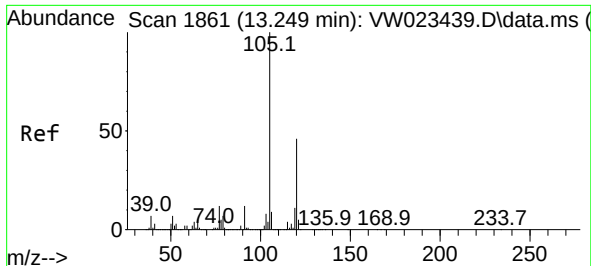
Delta R.T. -0.000 min

Lab File: VW023442.D

Acq: 10 Jun 2022 12:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 87275 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 48.9  | 38.9  | 58.3  |

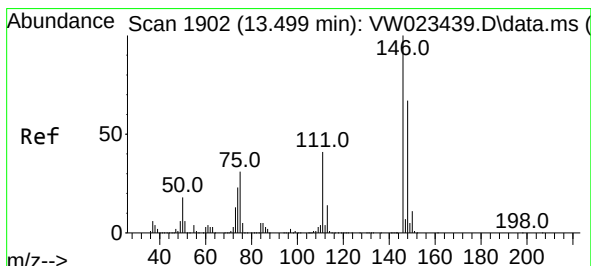
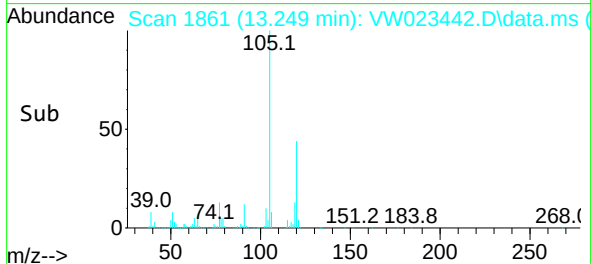
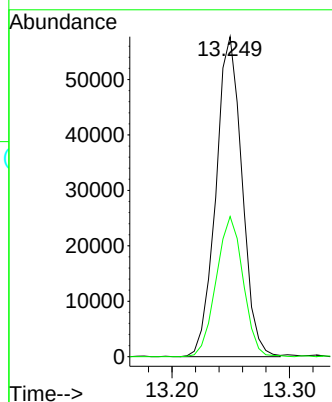
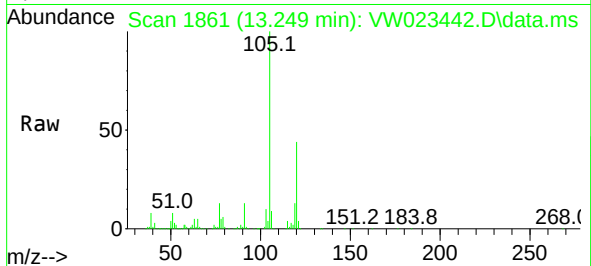




#63  
1,2,4-Trimethylbenzene  
Concen: 4.984 ug/L  
RT: 13.249 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

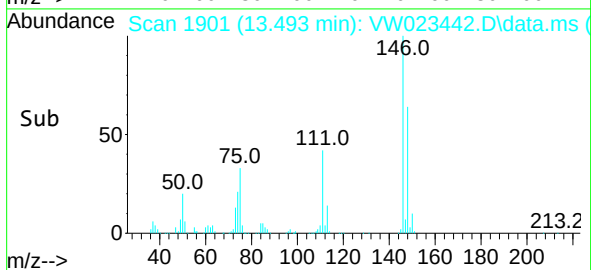
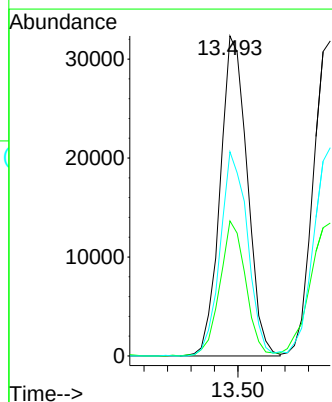
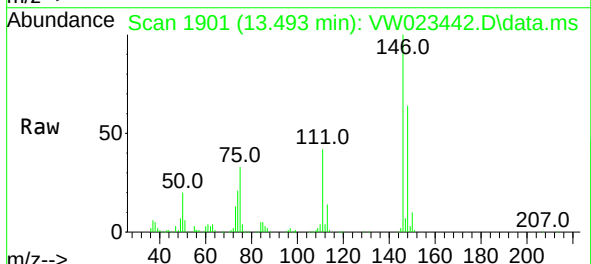
Instrument :  
MSVOA\_W  
ClientSampleId :

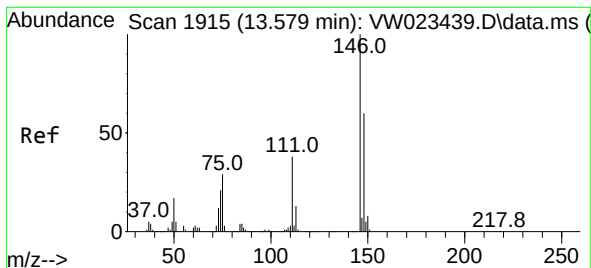
Tgt Ion:105 Resp: 89379  
Ion Ratio Lower Upper  
105 100  
120 44.9 37.4 56.2



#64  
1,3-Dichlorobenzene  
Concen: 5.258 ug/L  
RT: 13.493 min Scan# 1901  
Delta R.T. -0.006 min  
Lab File: VW023442.D  
Acq: 10 Jun 2022 12:32

Tgt Ion:146 Resp: 51751  
Ion Ratio Lower Upper  
146 100  
111 42.2 29.5 54.9  
148 63.8 48.6 90.2





#65

1,4-Dichlorobenzene

Concen: 5.220 ug/L

RT: 13.579 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VW023442.D

Acq: 10 Jun 2022 12:32

Instrument :

MSVOA\_W

ClientSampleId :

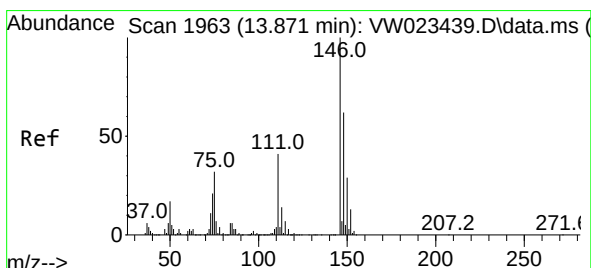
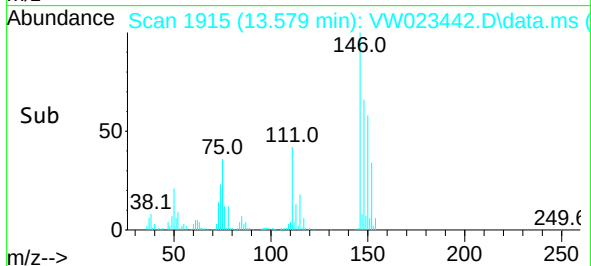
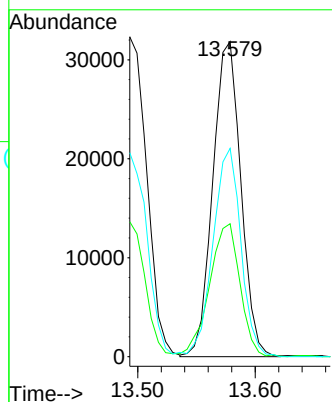
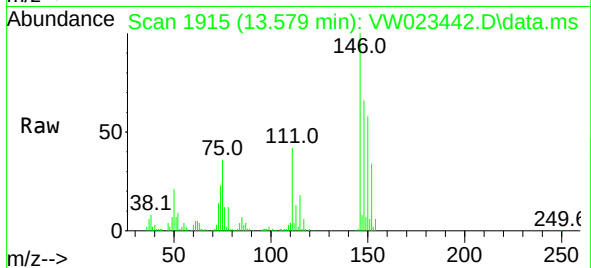
Tgt Ion:146 Resp: 52810

Ion Ratio Lower Upper

146 100

111 42.2 27.2 50.4

148 66.1 44.0 81.6



#67

1,2-Dichlorobenzene

Concen: 5.120 ug/L

RT: 13.871 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VW023442.D

Acq: 10 Jun 2022 12:32

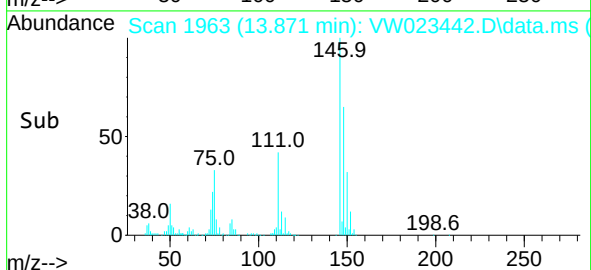
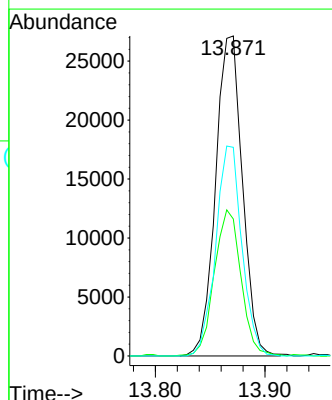
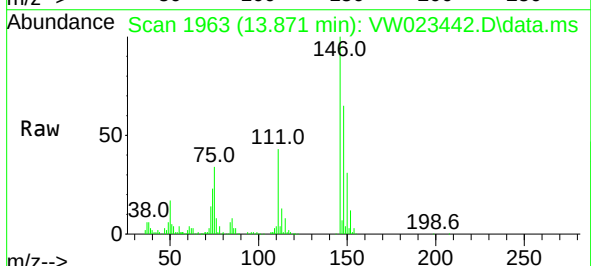
Tgt Ion:146 Resp: 46198

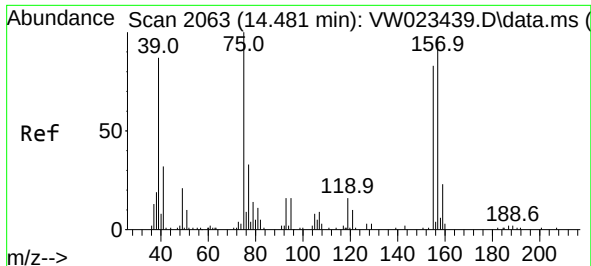
Ion Ratio Lower Upper

146 100

111 42.8 35.7 53.5

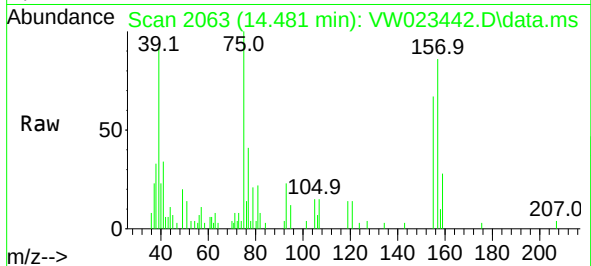
148 65.2 52.6 79.0



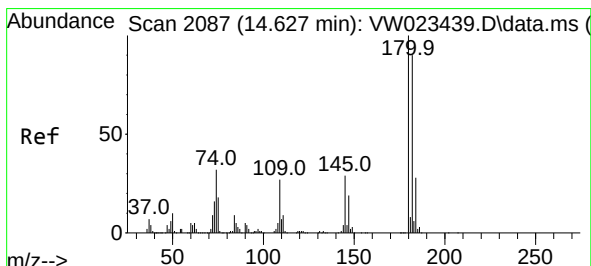
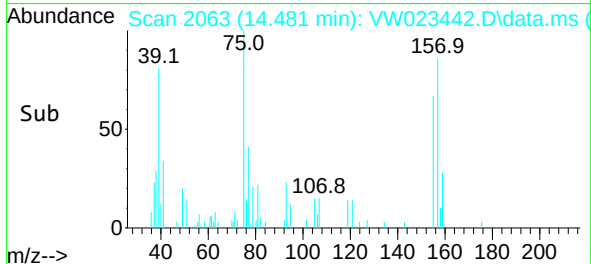
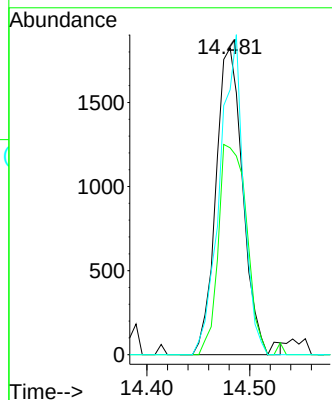


#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 5.569 ug/L  
 RT: 14.481 min Scan# 2063  
 Delta R.T. -0.000 min  
 Lab File: VW023442.D  
 Acq: 10 Jun 2022 12:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :

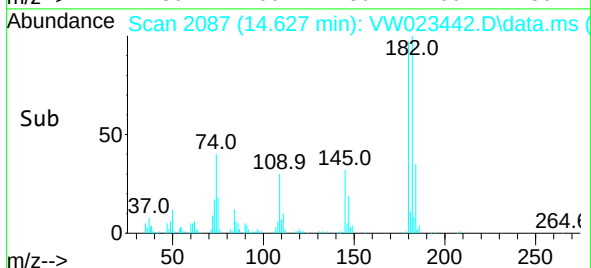
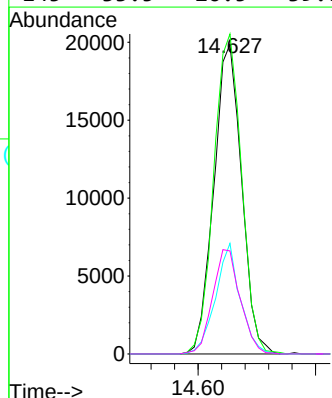
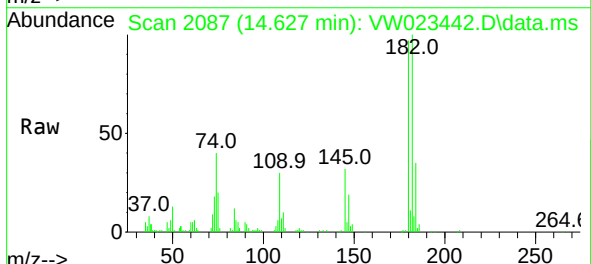


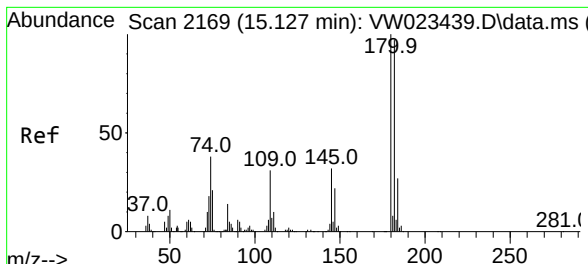
Tgt Ion: 75 Resp: 3344  
 Ion Ratio Lower Upper  
 75 100  
 155 67.4 59.3 88.9  
 157 86.4 89.8 134.8#



#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.988 ug/L  
 RT: 14.627 min Scan# 2087  
 Delta R.T. -0.000 min  
 Lab File: VW023442.D  
 Acq: 10 Jun 2022 12:32

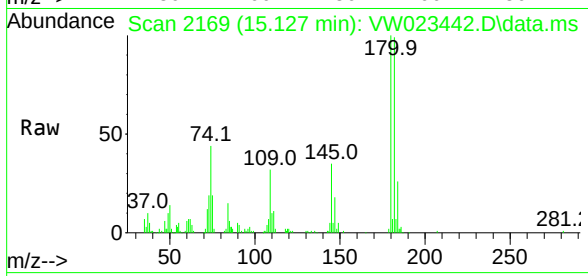
Tgt Ion:180 Resp: 32631  
 Ion Ratio Lower Upper  
 180 100  
 182 103.1 74.8 112.2  
 184 31.8 23.4 35.2  
 145 33.5 26.5 39.7



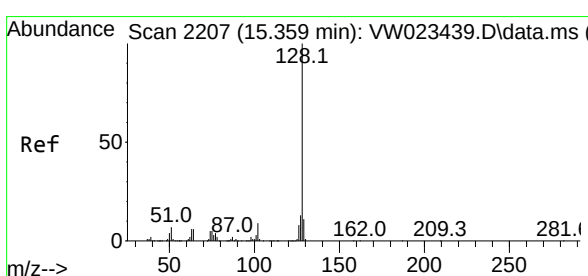
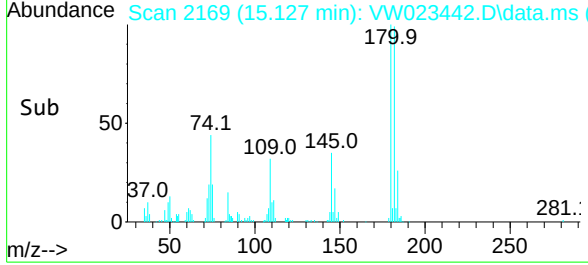
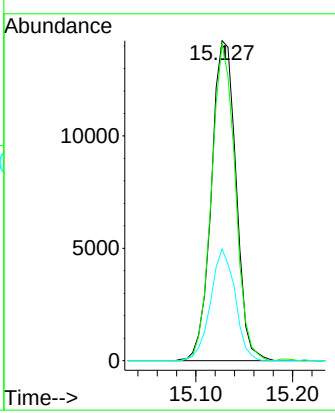


#70  
 1,2,4-trichlorobenzene  
 Concen: 5.005 ug/L  
 RT: 15.127 min Scan# 2169  
 Delta R.T. -0.000 min  
 Lab File: VW023442.D  
 Acq: 10 Jun 2022 12:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :

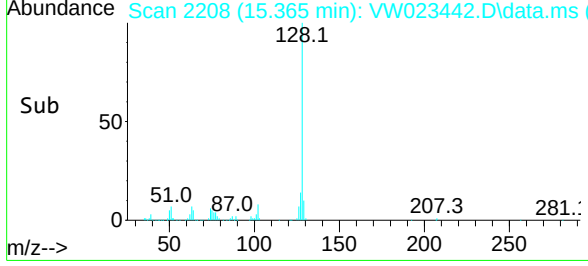
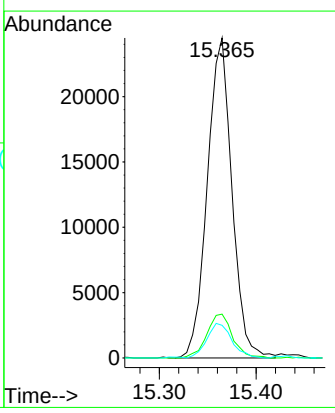
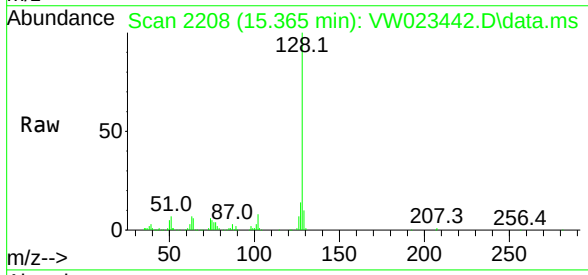


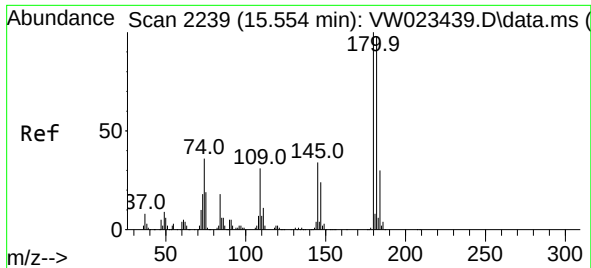
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 25194 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.2  | 74.9  | 112.3 |
| 145       | 34.7  | 26.6  | 39.8  |



#71  
 Naphthalene  
 Concen: 4.575 ug/L  
 RT: 15.365 min Scan# 2208  
 Delta R.T. 0.006 min  
 Lab File: VW023442.D  
 Acq: 10 Jun 2022 12:32

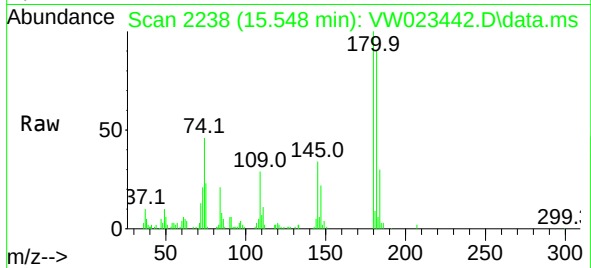
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 43324 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 14.2  | 10.6  | 16.0  |
| 129       | 10.9  | 8.7   | 13.1  |





#72  
 1,2,3-Trichlorobenzene  
 Concen: 4.975 ug/L  
 RT: 15.548 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VW023442.D  
 Acq: 10 Jun 2022 12:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.9  | 73.5  | 110.3 |
| 145     | 36.0  | 27.9  | 41.9  |

