

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122121\  
 Data File : VW021533.D  
 Acq On : 21 Dec 2021 18:37  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 22 01:22:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Dec 22 01:15:19 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 106088   | 25.000   | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 102486   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 63566    | 25.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 36435    | 18.857   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 75.440%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 27123    | 21.235   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 84.920%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 64103    | 24.886   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 99.560%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 17938    | 65.863   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 131.720% |
| 24) Chloroform-d              | 7.653  | 84    | 74397    | 25.164   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 100.640% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 40722    | 25.894   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 103.560% |
| 32) Benzene-d6                | 8.275  | 84    | 138068   | 24.578   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 98.320%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 38692    | 25.682   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 102.720% |
| 41) Toluene-d8                | 10.323 | 98    | 137044   | 23.876   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 95.520%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 17443    | 25.145   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 100.560% |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 14864    | 66.720   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 133.440% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84    | 36023    | 27.814   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 111.240% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 56288    | 22.848   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 91.400%  |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 9300     | 22.689   | ug/L  | 99       |
| 3) Chloromethane              | 2.215  | 50    | 29212    | 21.526   | ug/L  | 95       |
| 5) Vinyl chloride             | 2.361  | 62    | 44553    | 20.913   | ug/L  | 98       |
| 6) Bromomethane               | 2.776  | 94    | 26418    | 19.118   | ug/L  | 98       |
| 8) Chloroethane               | 2.922  | 64    | 23025    | 23.460   | ug/L  | 96       |
| 9) Trichlorofluoromethane     | 3.263  | 101   | 31261    | 27.811   | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068  | 101   | 39091    | 26.685   | ug/L  | 90       |
| 12) 1,1-Dichloroethene        | 4.037  | 96    | 33526    | 25.495   | ug/L  | 85       |
| 13) Acetone                   | 4.129  | 43    | 14870    | 60.903   | ug/L  | 91       |
| 14) Carbon disulfide          | 4.385  | 76    | 78866    | 23.224   | ug/L  | 98       |
| 15) Methyl Acetate            | 4.678  | 43    | 12863    | 30.533   | ug/L  | # 88     |
| 16) Methylene chloride        | 4.915  | 84    | 38330    | 21.866   | ug/L  | 83       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 36082    | 25.342   | ug/L  | 84       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 58477    | 29.737   | ug/L  | 94       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 60490    | 27.074   | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 40212    | 26.776   | ug/L  | 75       |
| 22) 2-Butanone                | 7.171  | 43    | 20592    | 64.581   | ug/L  | 87       |
| 23) Bromochloromethane        | 7.519  | 128   | 19181    | 27.315   | ug/L  | # 64     |
| 25) Chloroform                | 7.677  | 83    | 69441    | 26.773   | ug/L  | 99       |

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 ALS Vial : 22 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 22 01:22:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Dec 22 01:15:19 2021  
 Response via : Initial Calibration

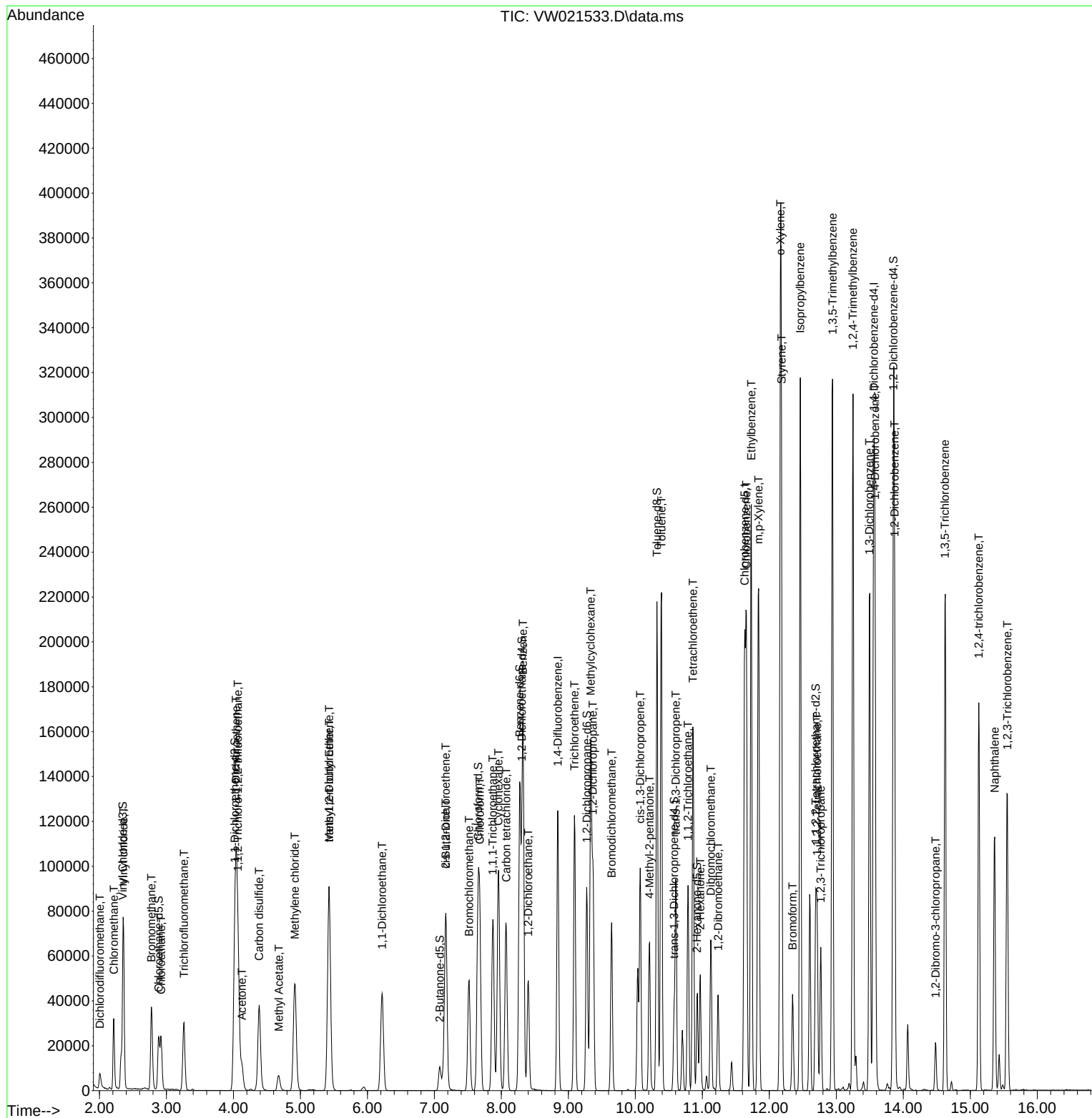
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 45087    | 27.451 | ug/L   | 96       |
| 29) Cyclohexane               | 7.958  | 56   | 52447    | 25.711 | ug/L # | 81       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 62625    | 27.234 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 57113    | 26.924 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 141063   | 25.267 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 40028    | 25.541 | ug/L   | 88       |
| 35) Methylcyclohexane         | 9.335  | 83   | 64783    | 25.059 | ug/L   | 85       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 33188    | 26.650 | ug/L # | 95       |
| 38) Bromodichloromethane      | 9.646  | 83   | 47444    | 27.709 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 54090    | 27.554 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 41893    | 61.740 | ug/L # | 90       |
| 42) Toluene                   | 10.390 | 91   | 164149   | 25.139 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 48250    | 28.062 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 27751    | 27.227 | ug/L   | 91       |
| 46) Tetrachloroethene         | 10.859 | 164  | 38013    | 25.533 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 31599    | 64.217 | ug/L # | 92       |
| 49) Dibromochloromethane      | 11.128 | 129  | 34555    | 27.500 | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 27586    | 27.196 | ug/L # | 96       |
| 51) Chlorobenzene             | 11.658 | 112  | 107415   | 24.571 | ug/L   | 93       |
| 52) Ethylbenzene              | 11.731 | 91   | 183164   | 24.548 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.841 | 106  | 75704    | 25.150 | ug/L   | 95       |
| 54) o-Xylene                  | 12.164 | 106  | 70728    | 24.759 | ug/L   | 91       |
| 55) Styrene                   | 12.182 | 104  | 123983   | 25.501 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 33429    | 28.611 | ug/L # | 98       |
| 59) Bromoform                 | 12.347 | 173  | 19125    | 25.286 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 202217   | 23.412 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 23954    | 25.893 | ug/L # | 92       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 173615   | 23.621 | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 168626   | 23.257 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 93018    | 22.832 | ug/L   | 91       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 93178    | 23.020 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 84071    | 23.439 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 4872     | 25.532 | ug/L # | 69       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 72594    | 23.840 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 56351    | 23.008 | ug/L   | 96       |
| 71) Naphthalene               | 15.365 | 128  | 100502   | 25.258 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 47323    | 23.380 | ug/L   | 96       |

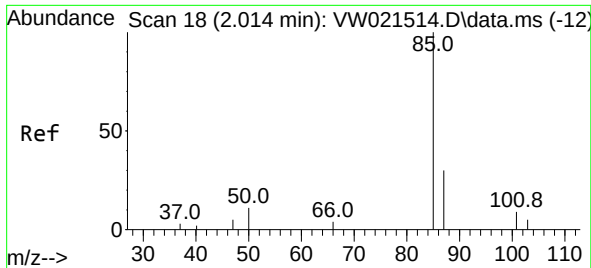
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Quant Title : SFAM01.0  
QLast Update : Wed Dec 22 01:15:19 2021  
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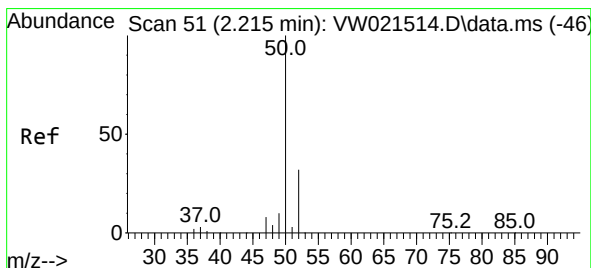
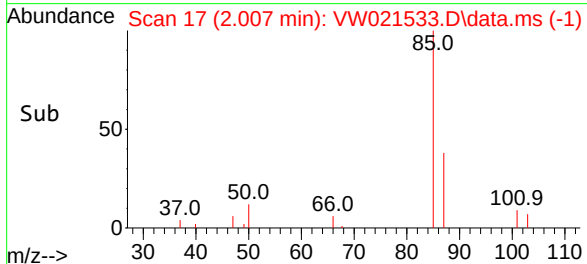
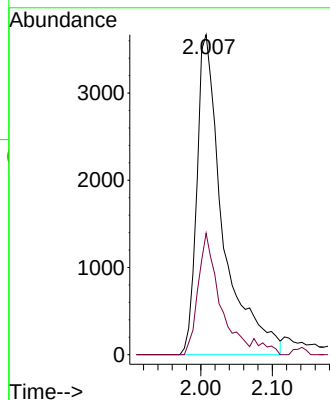
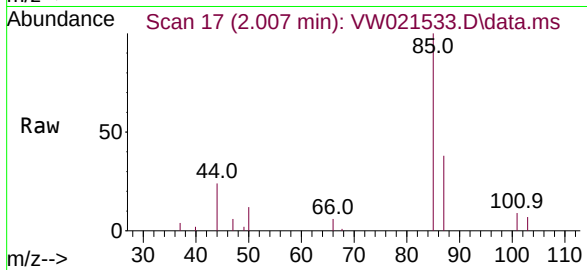




#2  
 Dichlorodifluoromethane  
 Concen: 22.689 ug/L  
 RT: 2.007 min Scan# 1  
 Delta R.T. -0.006 min  
 Lab File: VW021533.D  
 Acq: 21 Dec 2021 18:37

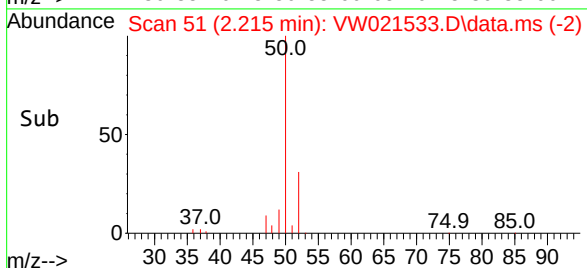
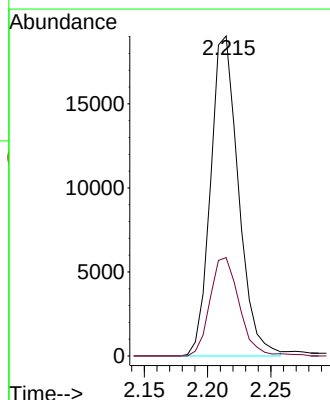
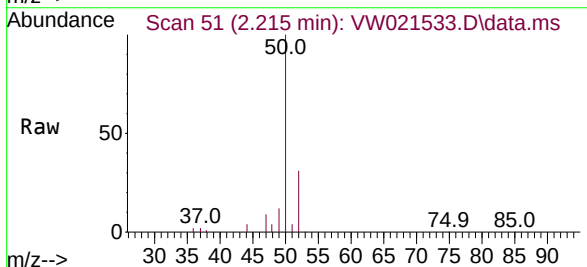
Instrument :  
 MSVOA\_W  
 ClientSampleId :

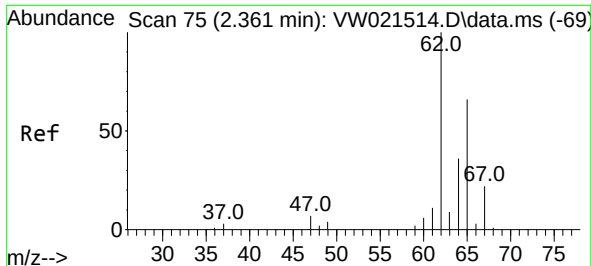
Tgt Ion: 85 Resp: 9300  
 Ion Ratio Lower Upper  
 85 100  
 87 31.5 25.8 38.6



#3  
 Chloromethane  
 Concen: 21.526 ug/L  
 RT: 2.215 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VW021533.D  
 Acq: 21 Dec 2021 18:37

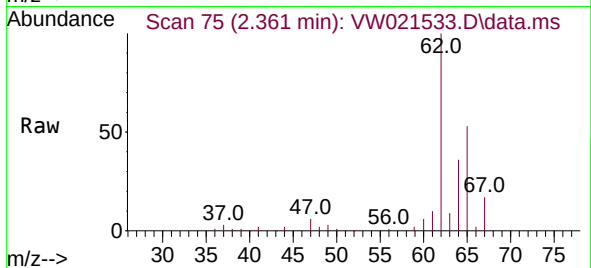
Tgt Ion: 50 Resp: 29212  
 Ion Ratio Lower Upper  
 50 100  
 52 30.7 23.4 43.6



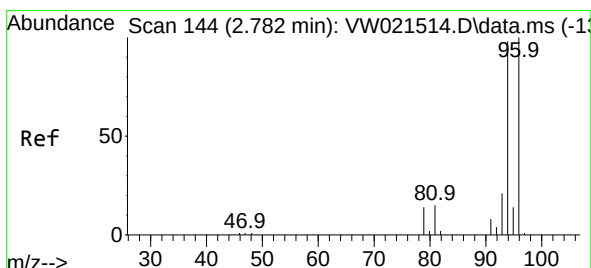
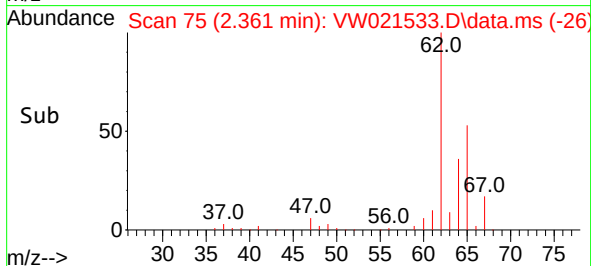
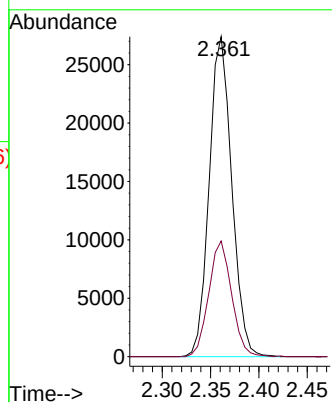


#5  
 Vinyl chloride  
 Concen: 20.913 ug/L  
 RT: 2.361 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VW021533.D  
 Acq: 21 Dec 2021 18:37

Instrument :  
 MSVOA\_W  
 ClientSampleId :

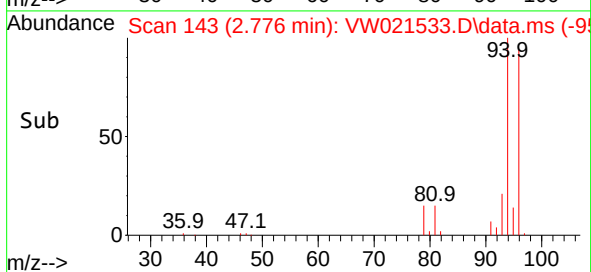
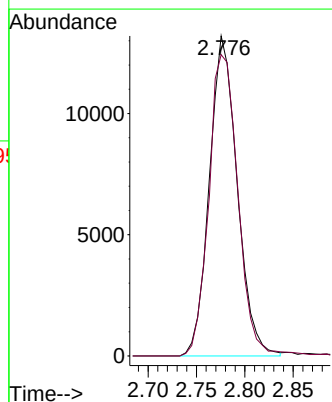
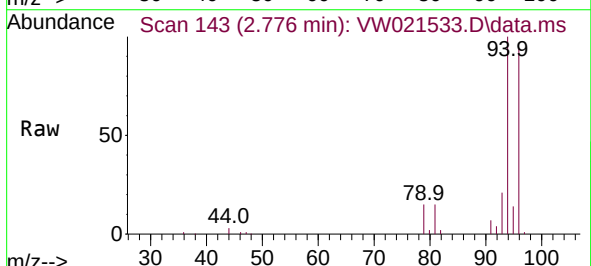


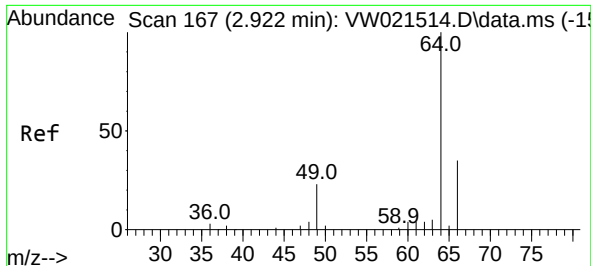
Tgt Ion: 62 Resp: 44553  
 Ion Ratio Lower Upper  
 62 100  
 64 36.2 24.4 45.2



#6  
 Bromomethane  
 Concen: 19.118 ug/L  
 RT: 2.776 min Scan# 143  
 Delta R.T. -0.006 min  
 Lab File: VW021533.D  
 Acq: 21 Dec 2021 18:37

Tgt Ion: 94 Resp: 26418  
 Ion Ratio Lower Upper  
 94 100  
 96 94.1 64.8 120.4

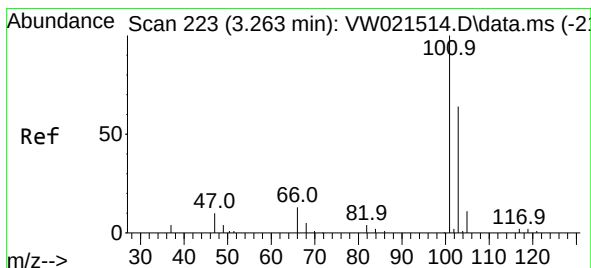
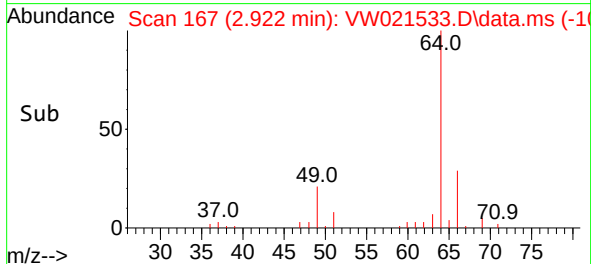
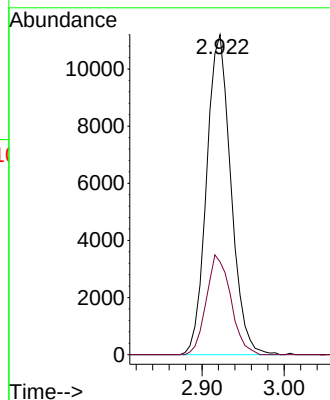
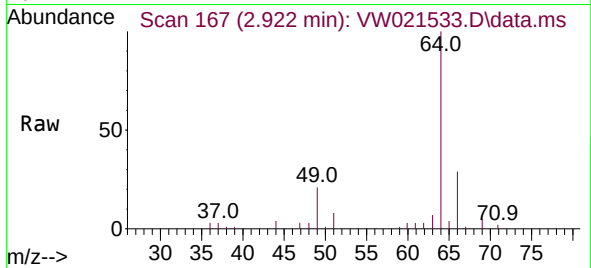




#8  
Chloroethane  
Concen: 23.460 ug/L  
RT: 2.922 min Scan# 167  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

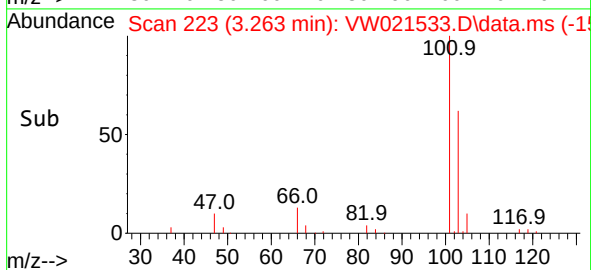
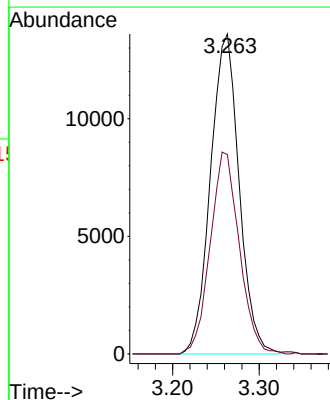
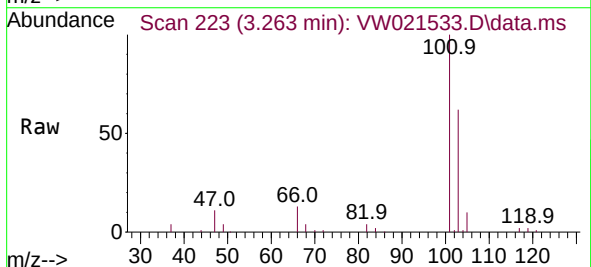
Instrument :  
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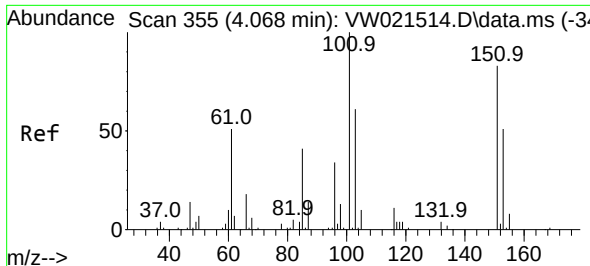
Tgt Ion: 64 Resp: 23025  
Ion Ratio Lower Upper  
64 100  
66 29.0 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 27.811 ug/L  
RT: 3.263 min Scan# 223  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Tgt Ion: 101 Resp: 31261  
Ion Ratio Lower Upper  
101 100  
103 64.1 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 26.685 ug/L

RT: 4.068 min Scan# 355

Delta R.T. -0.000 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

Instrument :

MSVOA\_W

ClientSampleId :

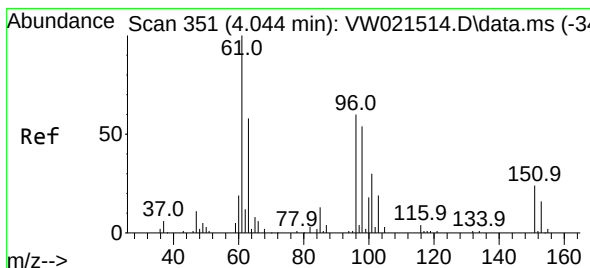
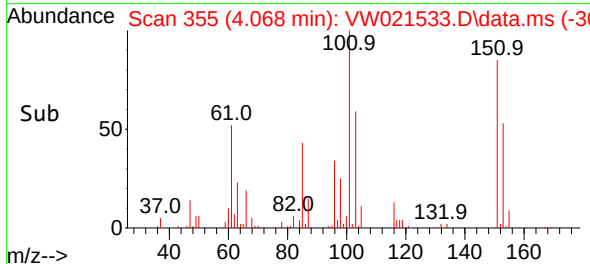
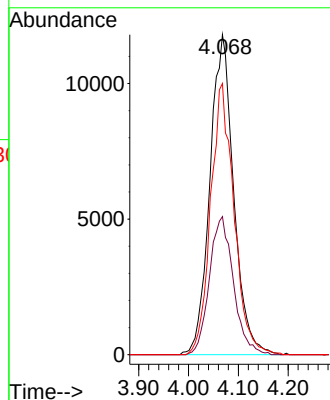
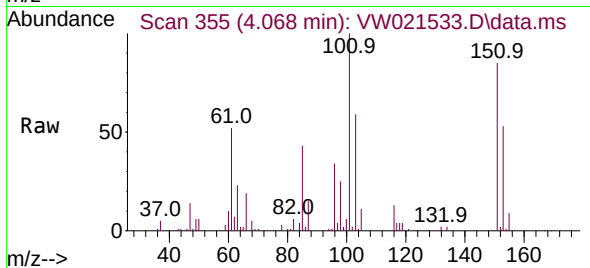
Tgt Ion:101 Resp: 39091

Ion Ratio Lower Upper

101 100

85 43.5 36.6 54.8

151 83.0 57.4 86.0



#12

1,1-Dichloroethene

Concen: 25.495 ug/L

RT: 4.037 min Scan# 350

Delta R.T. -0.006 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

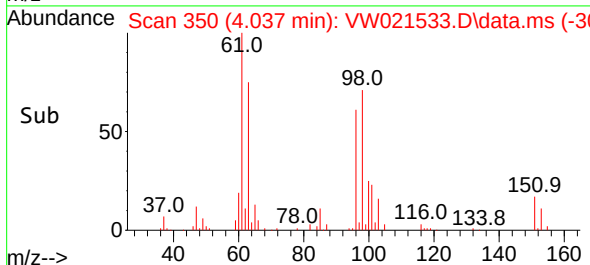
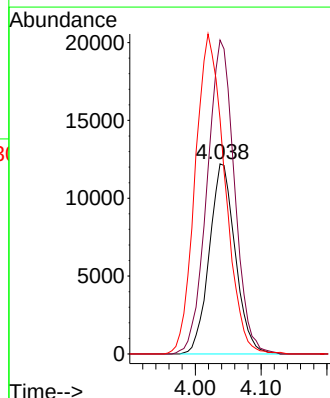
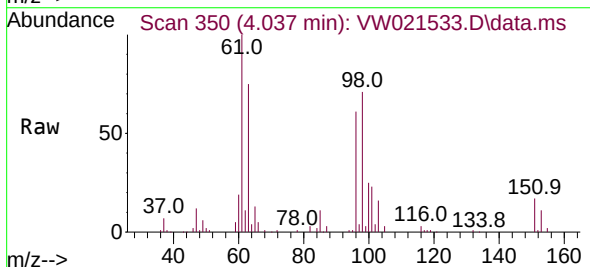
Tgt Ion: 96 Resp: 33526

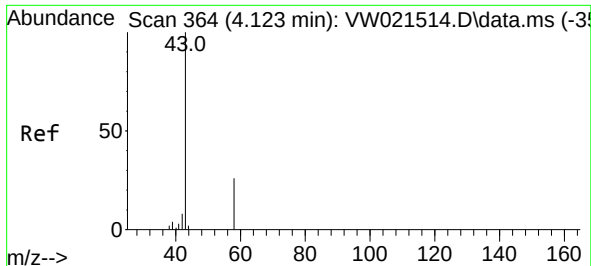
Ion Ratio Lower Upper

96 100

61 165.1 138.3 256.9

63 123.6 82.6 153.4

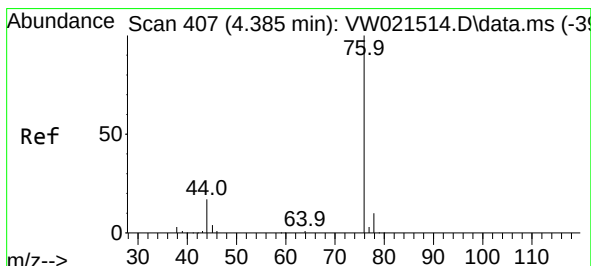
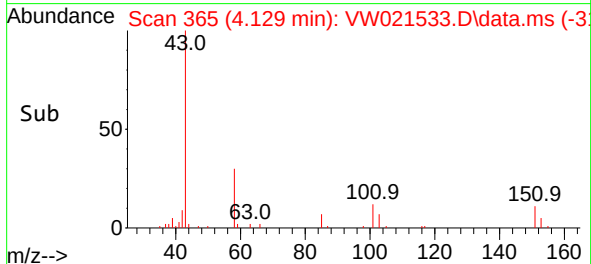
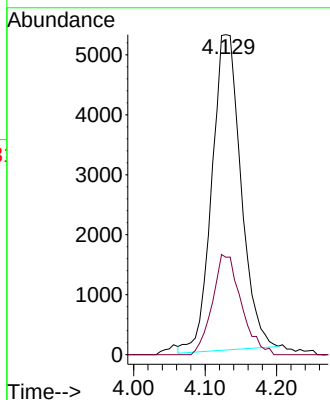
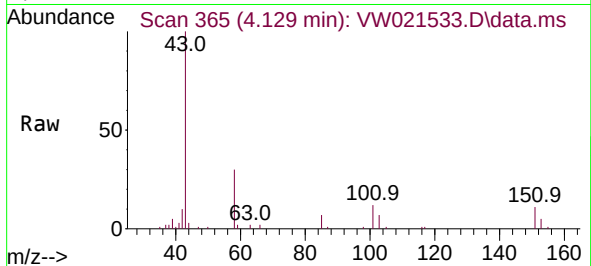




#13  
Acetone  
Concen: 60.903 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. 0.006 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

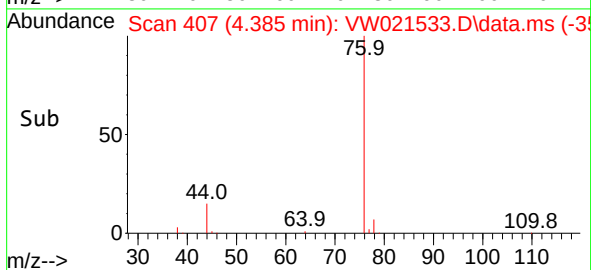
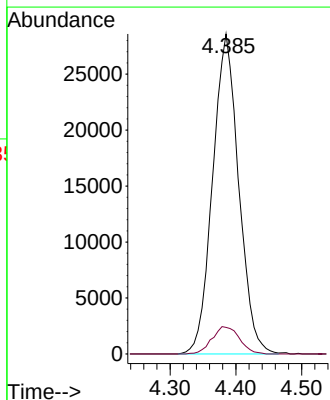
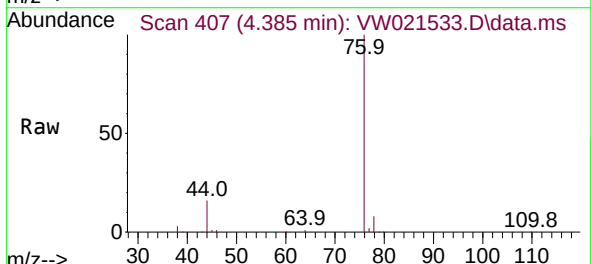
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 14870  
Ion Ratio Lower Upper  
43 100  
58 31.1 0.0 52.8

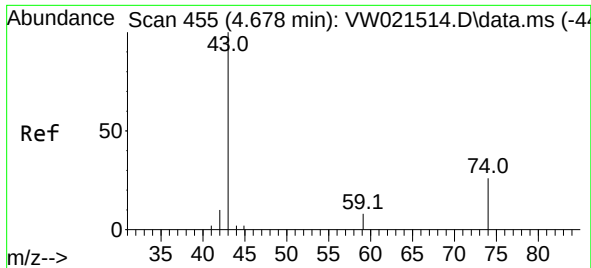


#14  
Carbon disulfide  
Concen: 23.224 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Tgt Ion: 76 Resp: 78866  
Ion Ratio Lower Upper  
76 100  
78 8.3 7.1 10.7



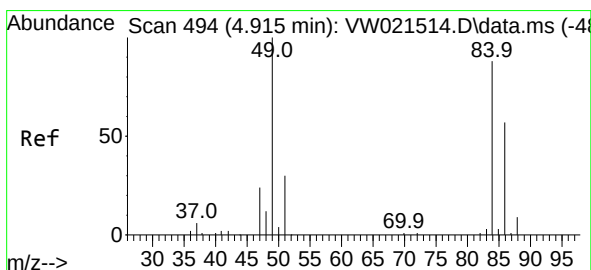
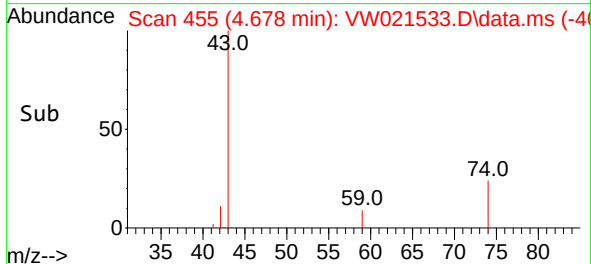
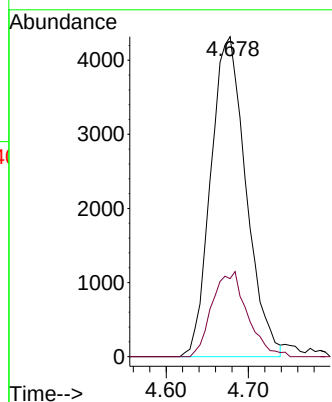
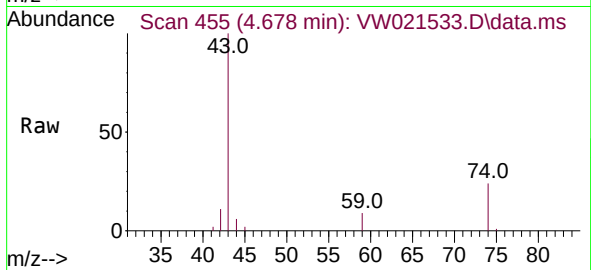




#15  
Methyl Acetate  
Concen: 30.533 ug/L  
RT: 4.678 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

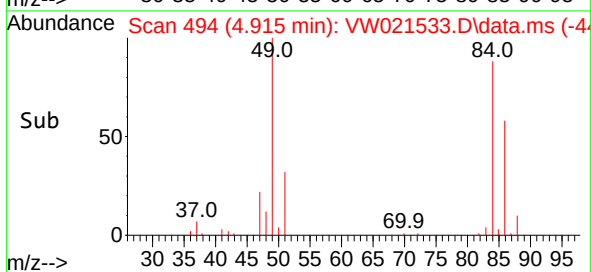
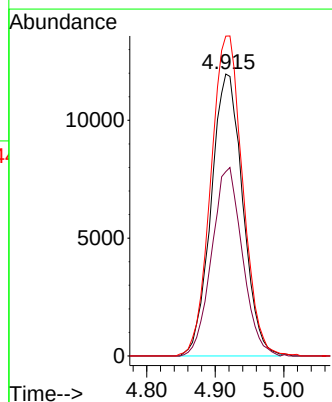
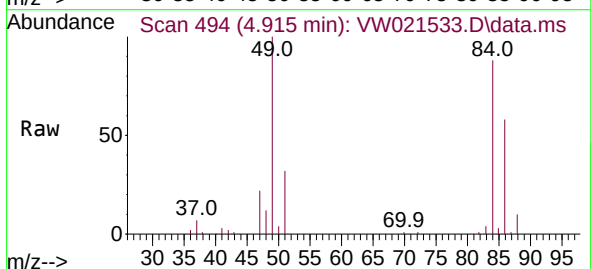
Instrument :  
MSVOA\_W  
ClientSampleId :

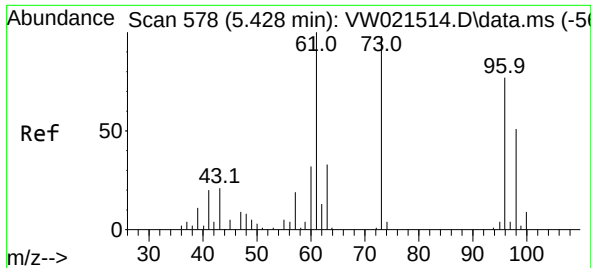
Tgt Ion: 43 Resp: 12863  
Ion Ratio Lower Upper  
43 100  
74 14.8 16.4 24.6#



#16  
Methylene chloride  
Concen: 21.866 ug/L  
RT: 4.915 min Scan# 494  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Tgt Ion: 84 Resp: 38330  
Ion Ratio Lower Upper  
84 100  
86 65.4 45.5 84.5  
49 113.5 100.5 186.7

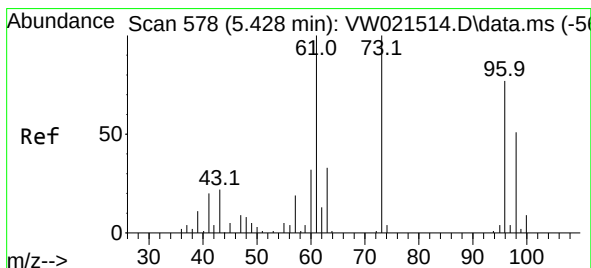
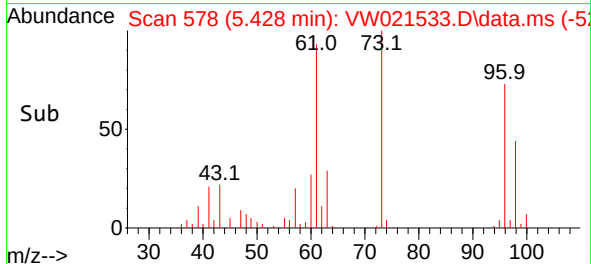
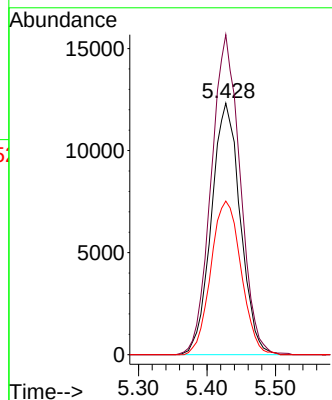
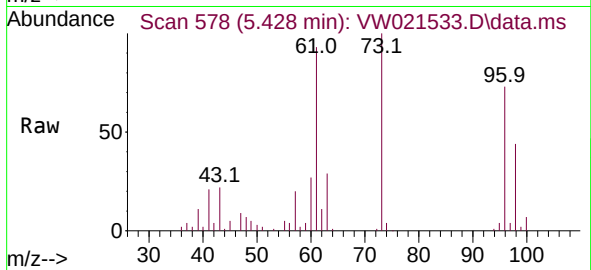




#17  
trans-1,2-Dichloroethene  
Concen: 25.342 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

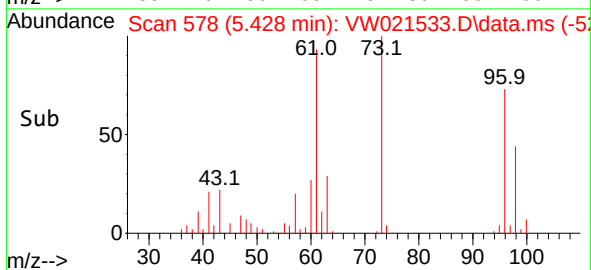
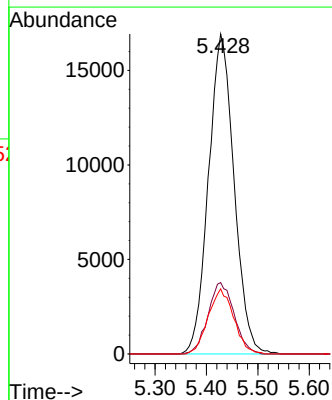
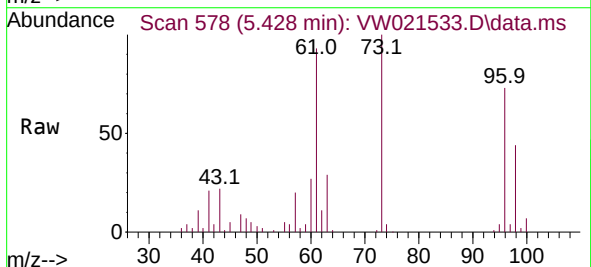
Instrument :  
MSVOA\_W  
ClientSampleId :

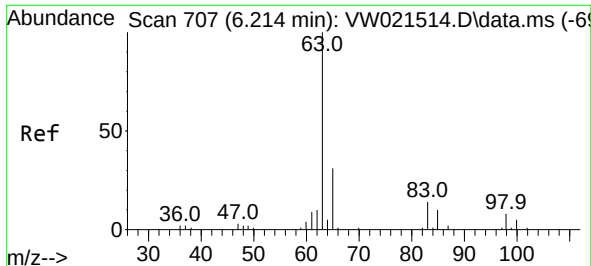
Tgt Ion: 96 Resp: 36082  
Ion Ratio Lower Upper  
96 100  
61 127.2 107.4 199.4  
98 61.1 41.2 76.6



#18  
Methyl tert-butyl Ether  
Concen: 29.737 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Tgt Ion: 73 Resp: 58477  
Ion Ratio Lower Upper  
73 100  
43 22.7 19.5 29.3  
57 20.3 19.3 28.9

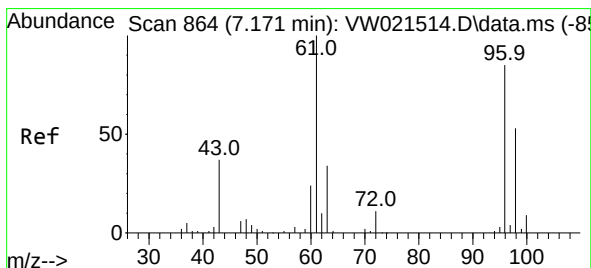
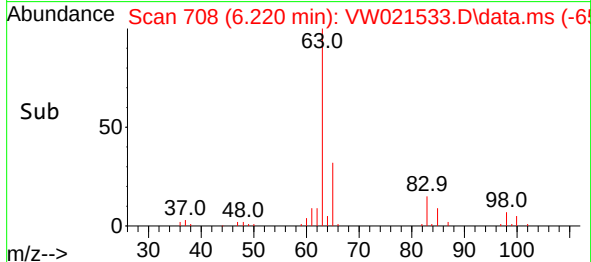
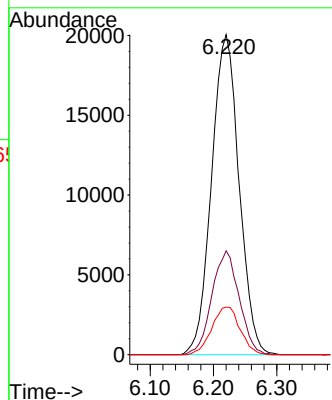
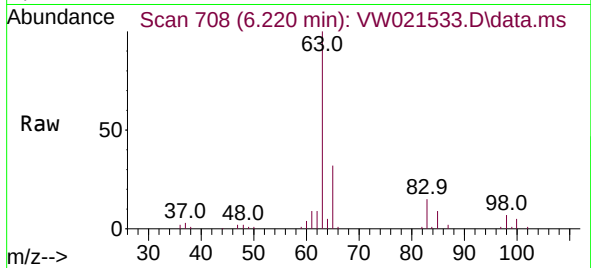




#19  
1,1-Dichloroethane  
Concen: 27.074 ug/L  
RT: 6.220 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

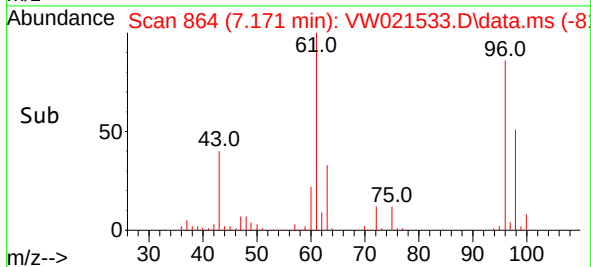
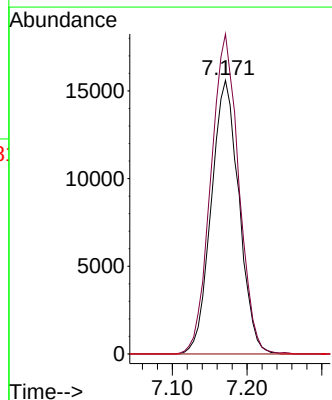
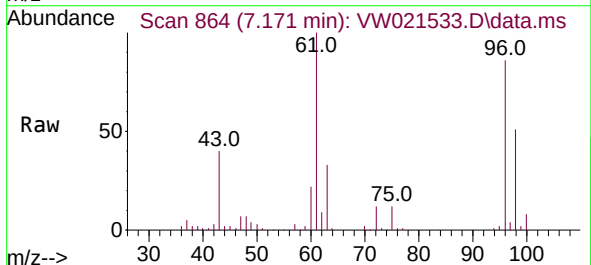
Instrument :  
MSVOA\_W  
ClientSampleId :

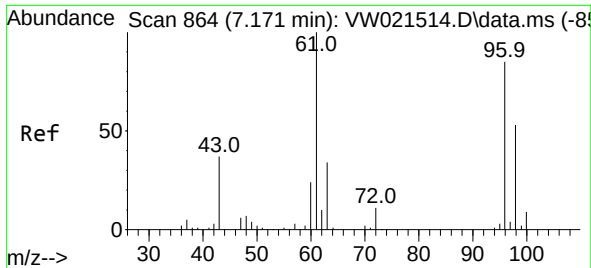
Tgt Ion: 63 Resp: 60490  
Ion Ratio Lower Upper  
63 100  
65 32.4 22.1 41.1  
83 14.9 9.2 17.2



#20  
cis-1,2-Dichloroethene  
Concen: 26.776 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Tgt Ion: 96 Resp: 40212  
Ion Ratio Lower Upper  
96 100  
61 117.0 103.7 192.7  
68 0.0 0.0 0.0

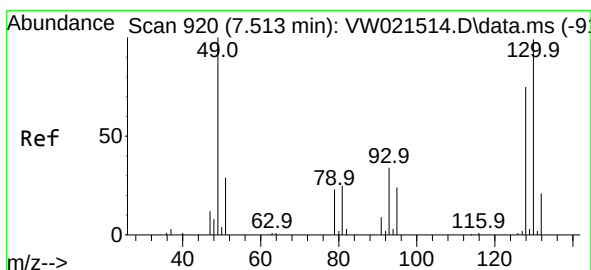
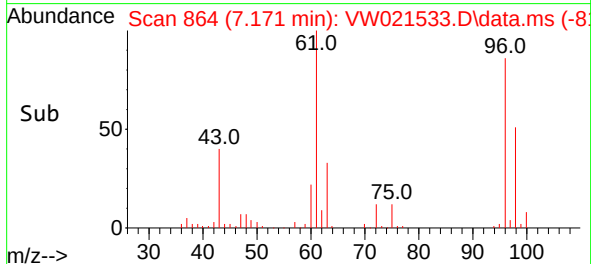
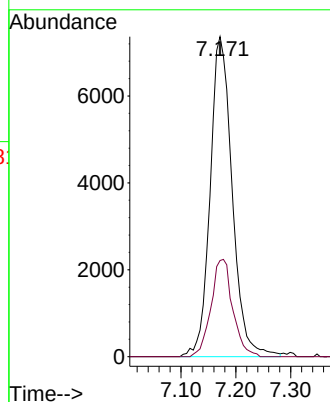
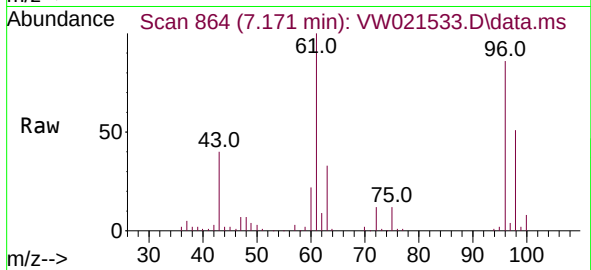




#22  
2-Butanone  
Concen: 64.581 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

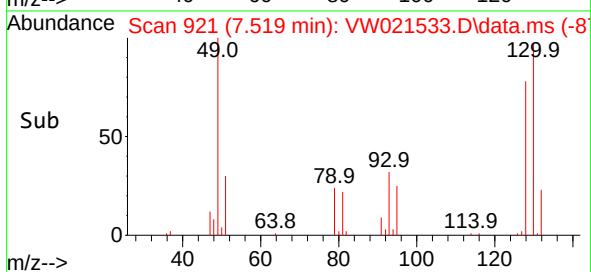
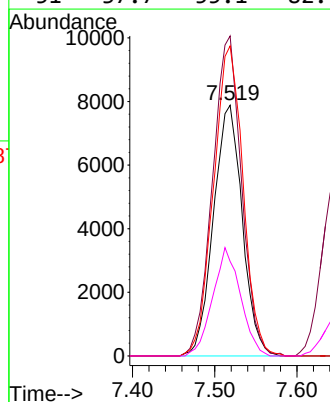
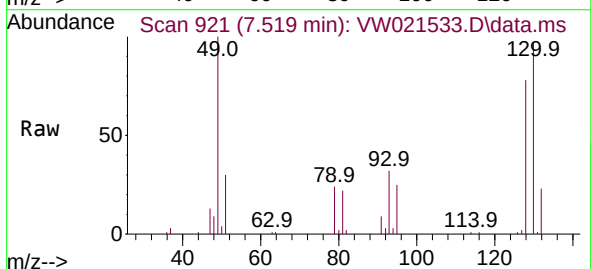
Instrument :  
MSVOA\_W  
ClientSampleId :

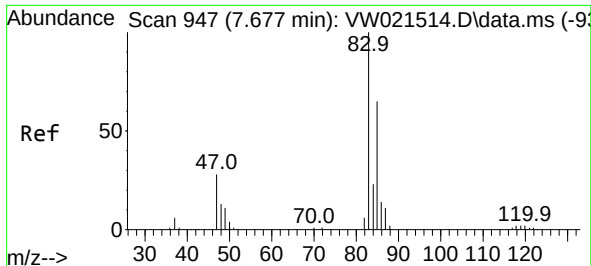
Tgt Ion: 43 Resp: 20592  
Ion Ratio Lower Upper  
43 100  
72 29.9 11.8 35.4



#23  
Bromochloromethane  
Concen: 27.315 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. 0.006 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Tgt Ion: 128 Resp: 19181  
Ion Ratio Lower Upper  
128 100  
49 127.6 150.3 279.1#  
130 123.6 88.3 163.9  
51 37.7 55.1 82.7#

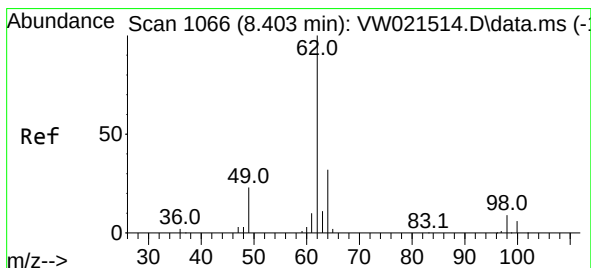
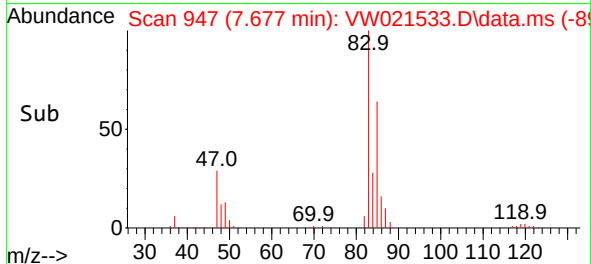
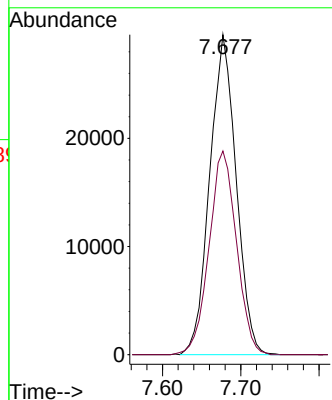
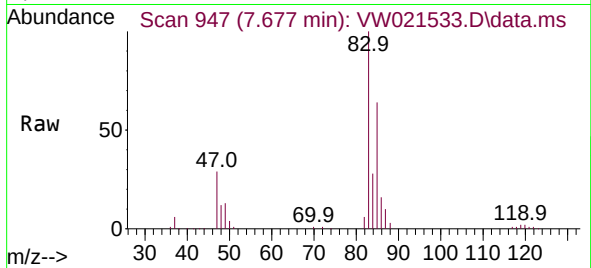




#25  
Chloroform  
Concen: 26.773 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

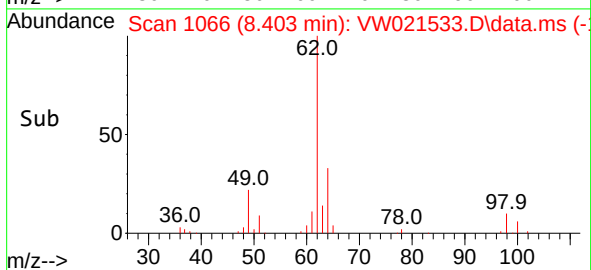
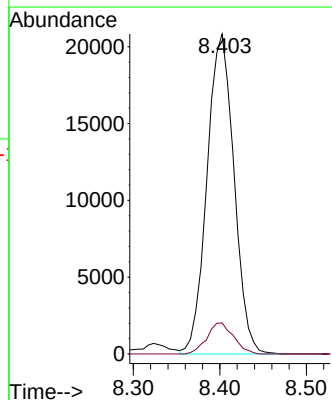
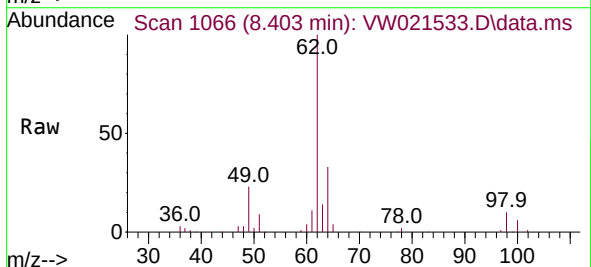
Instrument :  
MSVOA\_W  
ClientSampleId :

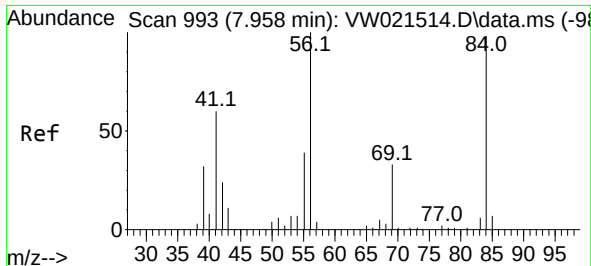
Tgt Ion: 83 Resp: 69441  
Ion Ratio Lower Upper  
83 100  
85 63.7 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 27.451 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Tgt Ion: 62 Resp: 45087  
Ion Ratio Lower Upper  
62 100  
98 9.7 6.5 9.7





#29

Cyclohexane

Concen: 25.711 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW021533.D

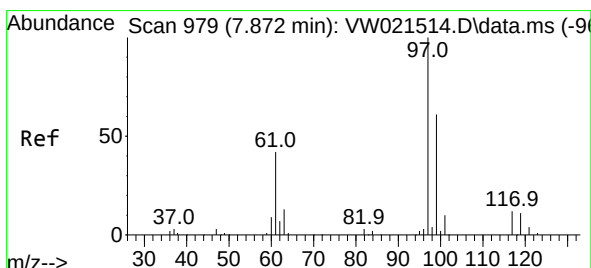
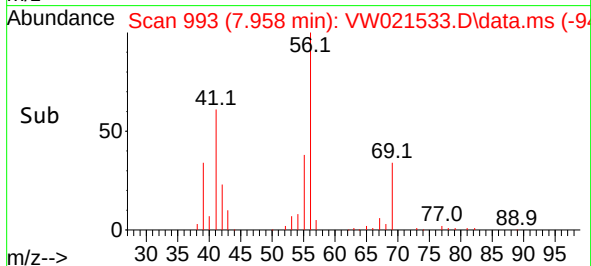
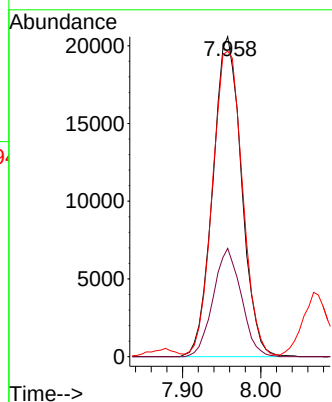
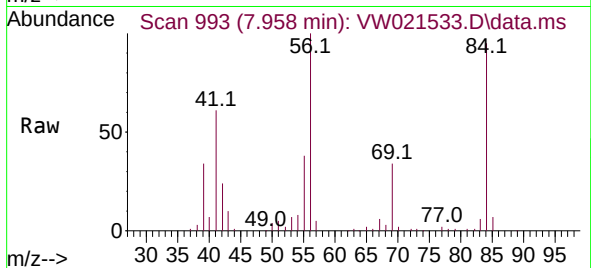
Acq: 21 Dec 2021 18:37

Instrument :

MSVOA\_W

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 52447 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 33.0  | 23.5  | 35.3  |
| 84        | 99.8  | 63.4  | 95.2  |



#30

1,1,1-Trichloroethane

Concen: 27.234 ug/L

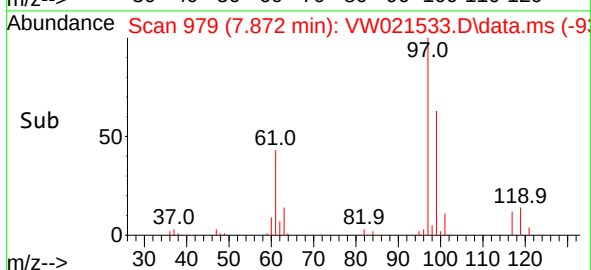
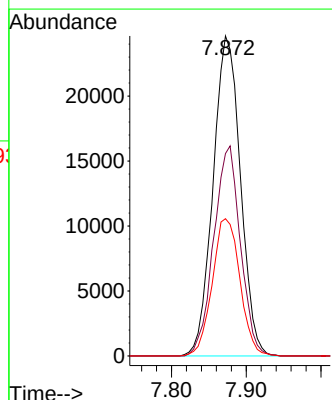
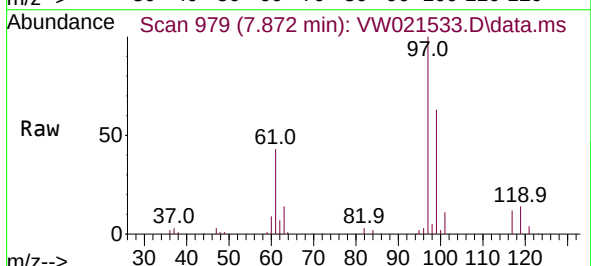
RT: 7.872 min Scan# 979

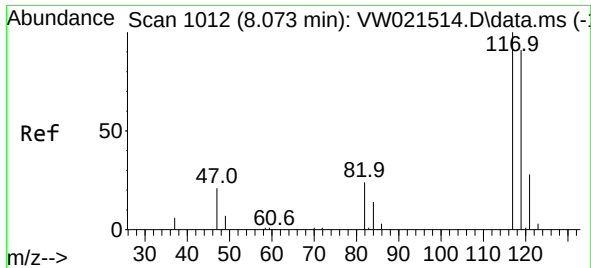
Delta R.T. -0.000 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 62625 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 64.0  | 51.6  | 77.4  |
| 61        | 43.4  | 40.9  | 61.3  |

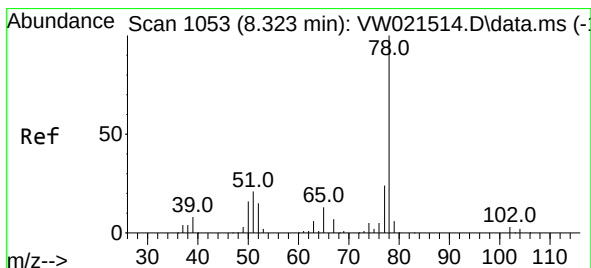
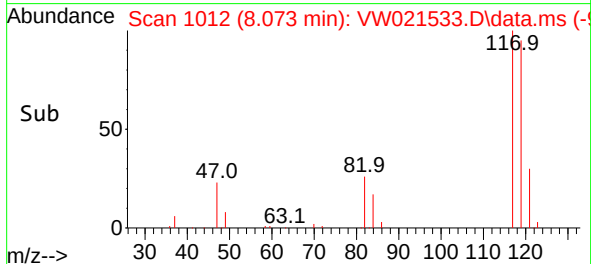
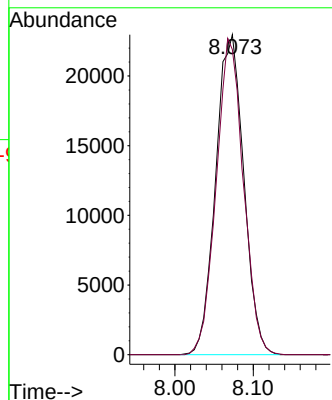
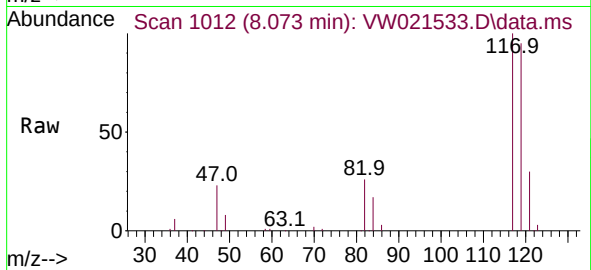




#31  
Carbon tetrachloride  
Concen: 26.924 ug/L  
RT: 8.073 min Scan# 1012  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

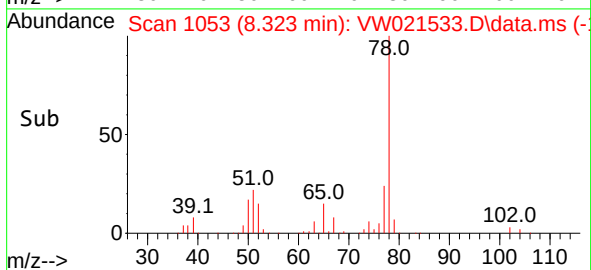
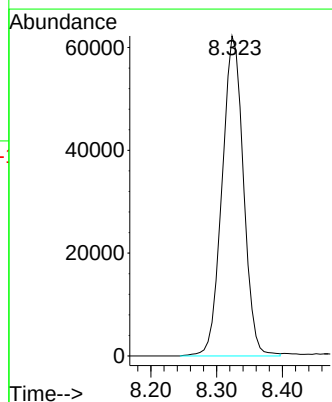
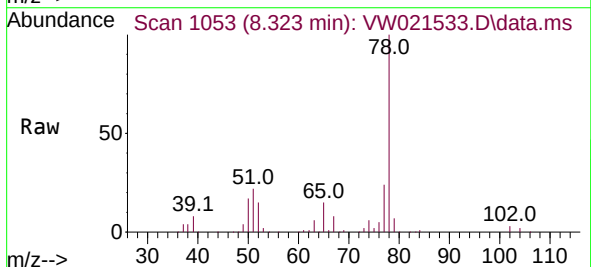
Instrument :  
MSVOA\_W  
ClientSampleId :

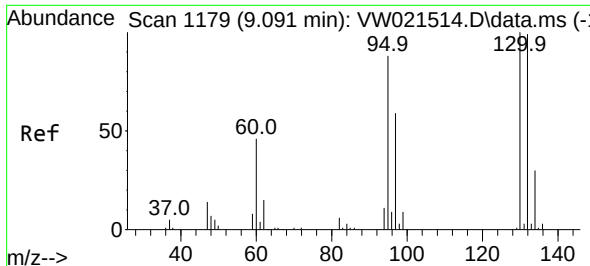
Tgt Ion:117 Resp: 57113  
Ion Ratio Lower Upper  
117 100  
119 95.8 75.7 113.5



#33  
Benzene  
Concen: 25.267 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Tgt Ion: 78 Resp: 141063

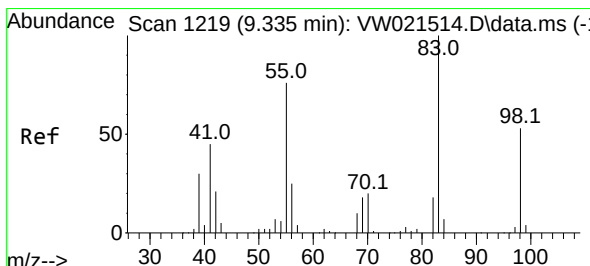
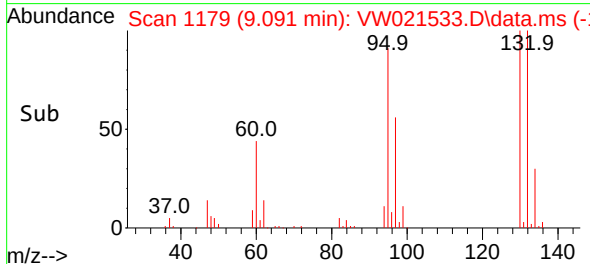
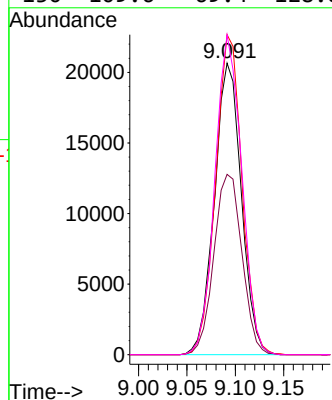
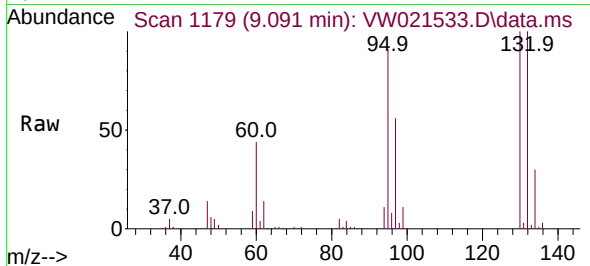




#34  
Trichloroethene  
Concen: 25.541 ug/L  
RT: 9.091 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

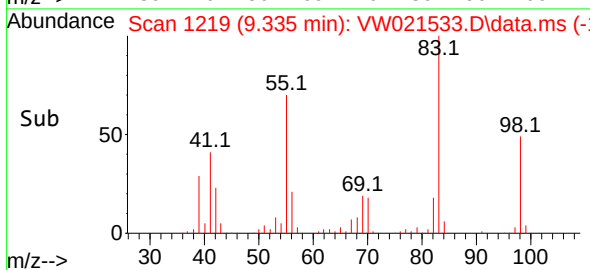
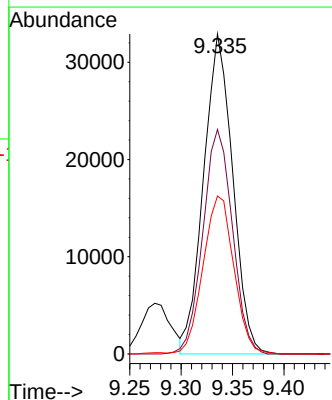
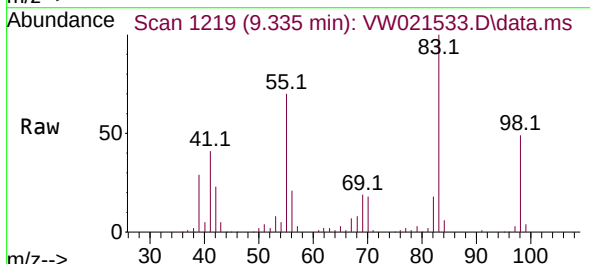
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 95 Resp: 40028  
Ion Ratio Lower Upper  
95 100  
97 61.9 47.0 87.2  
132 109.8 65.5 121.6  
130 109.6 69.4 128.8

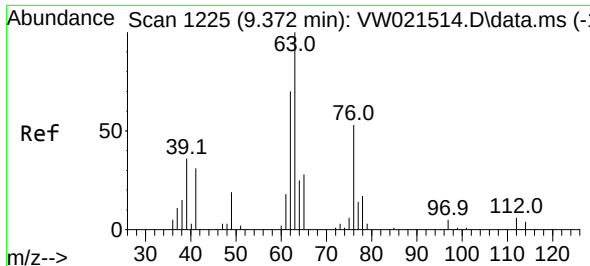


#35  
Methylcyclohexane  
Concen: 25.059 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Tgt Ion: 83 Resp: 64783  
Ion Ratio Lower Upper  
83 100  
55 71.3 70.8 106.2  
98 52.3 37.7 56.5







#37

1,2-Dichloropropane

Concen: 26.650 ug/L

RT: 9.366 min Scan# 112

Delta R.T. -0.006 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

Instrument :

MSVOA\_W

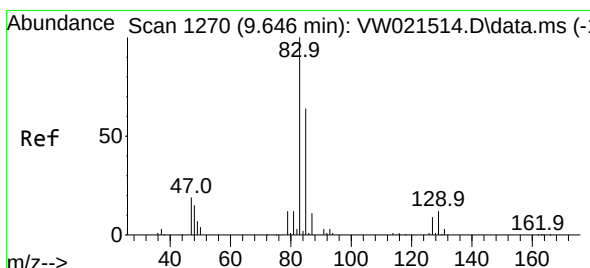
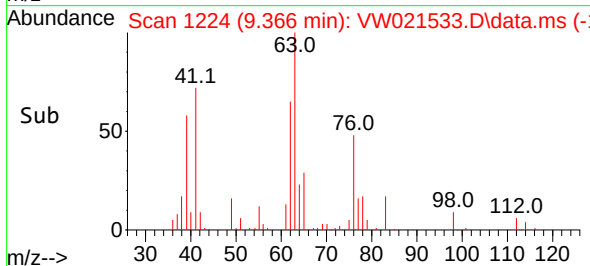
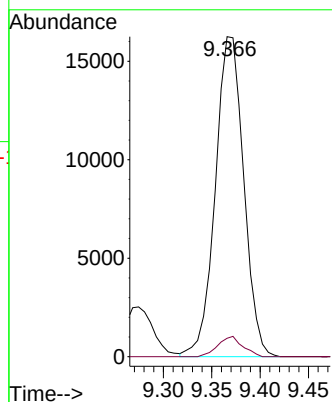
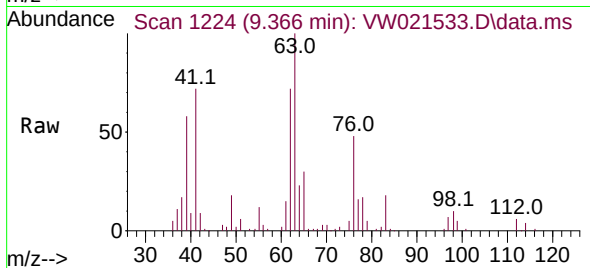
ClientSampleId :

Tgt Ion: 63 Resp: 33188

Ion Ratio Lower Upper

63 100

112 5.5 3.2 4.8#



#38

Bromodichloromethane

Concen: 27.709 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

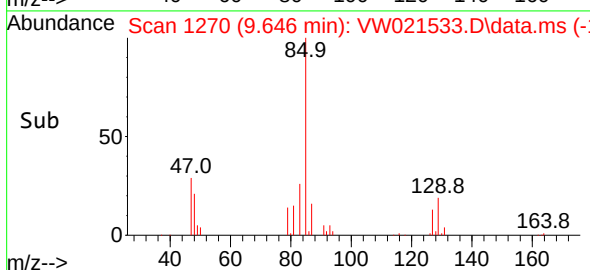
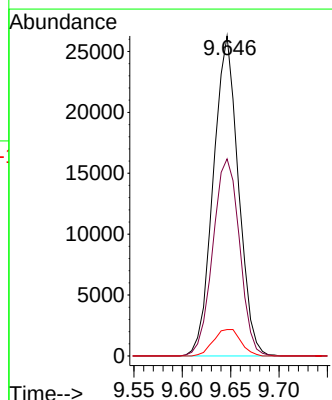
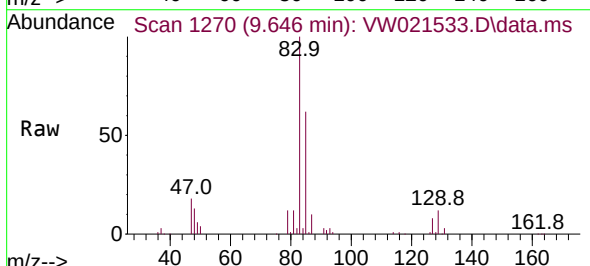
Tgt Ion: 83 Resp: 47444

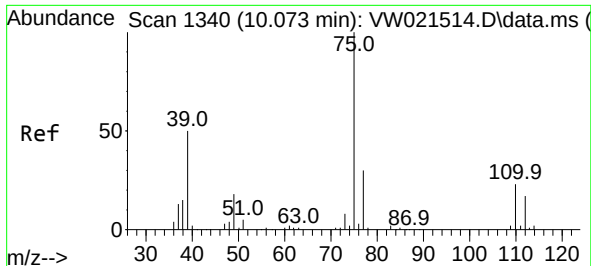
Ion Ratio Lower Upper

83 100

85 61.6 44.1 81.9

127 8.2 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 27.554 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

Instrument :

MSVOA\_W

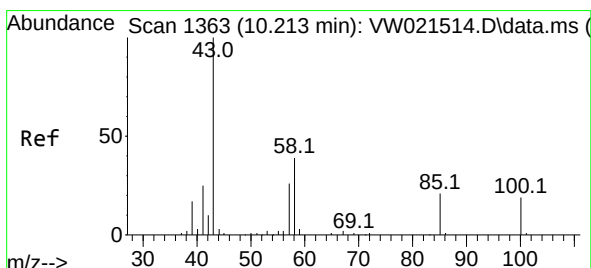
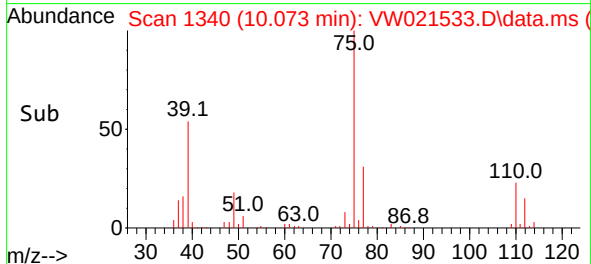
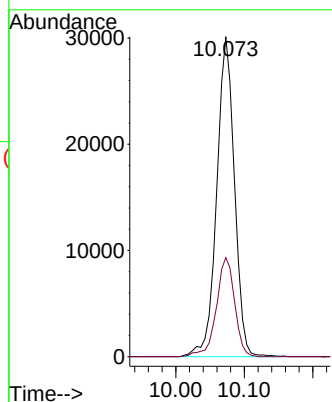
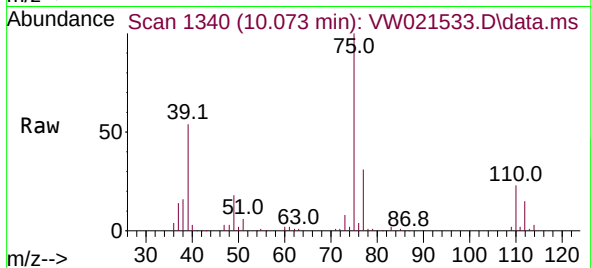
ClientSampleId :

Tgt Ion: 75 Resp: 54090

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 61.740 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. -0.000 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

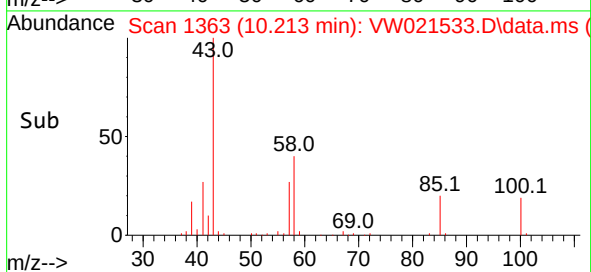
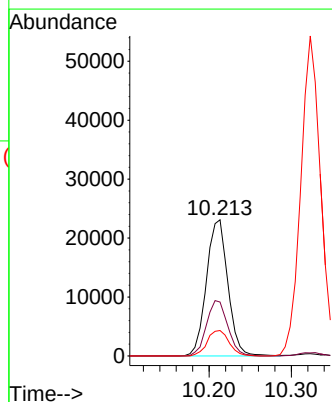
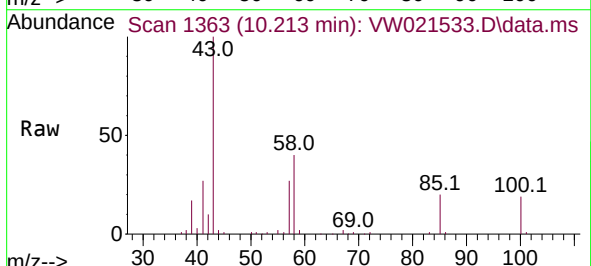
Tgt Ion: 43 Resp: 41893

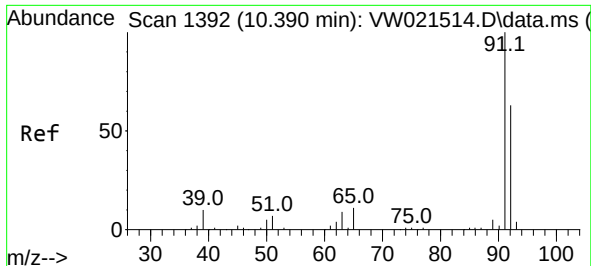
Ion Ratio Lower Upper

43 100

58 40.3 28.8 43.2

100 19.0 10.0 15.0#

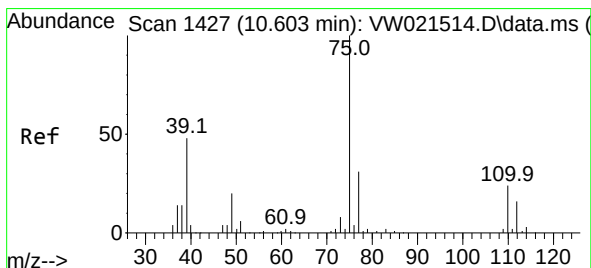
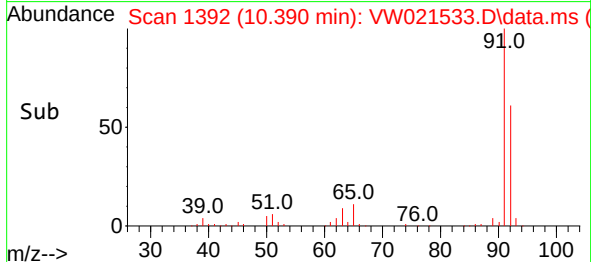
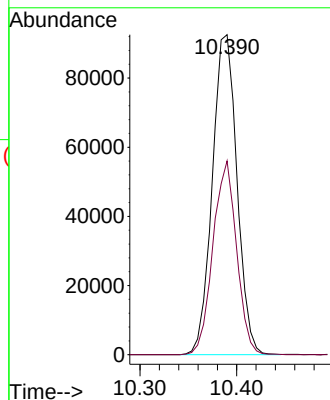
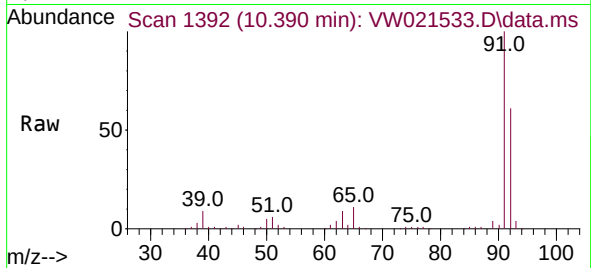




#42  
Toluene  
Concen: 25.139 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

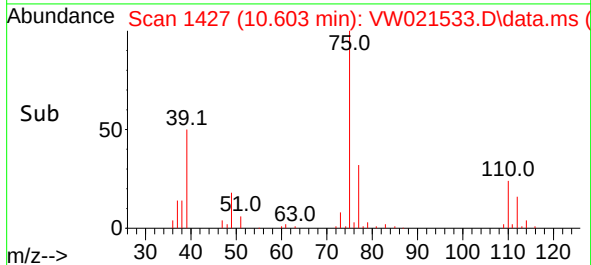
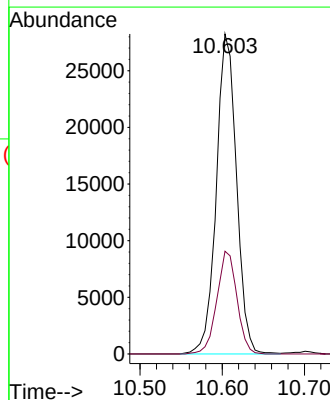
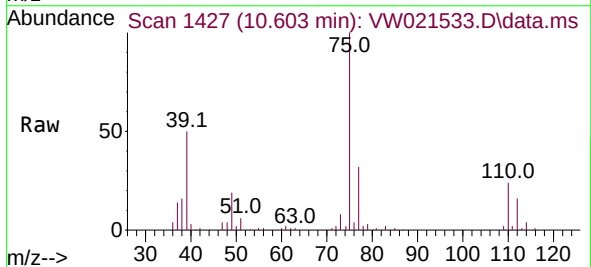
Instrument :  
MSVOA\_W  
ClientSampleId :

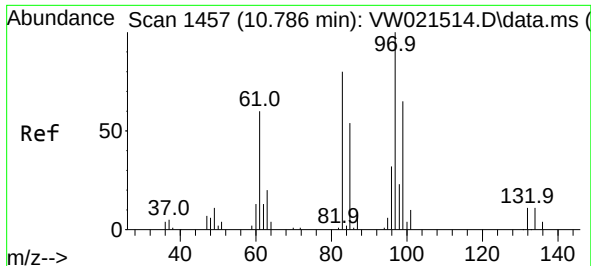
Tgt Ion: 91 Resp: 164149  
Ion Ratio Lower Upper  
91 100  
92 60.5 41.7 77.5



#44  
trans-1,3-Dichloropropene  
Concen: 28.062 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

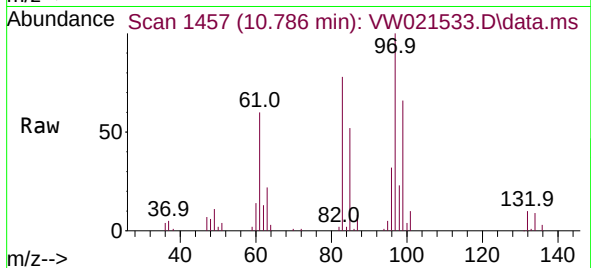
Tgt Ion: 75 Resp: 48250  
Ion Ratio Lower Upper  
75 100  
77 32.1 22.2 41.2



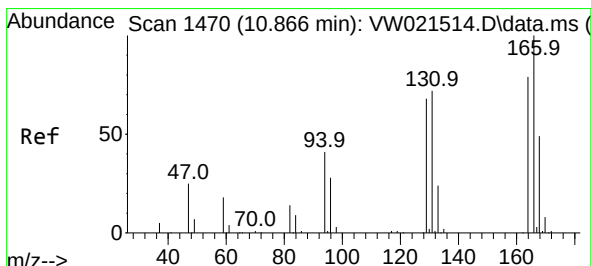
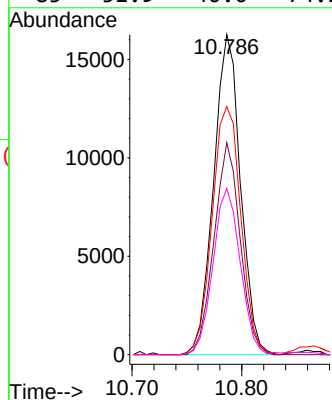
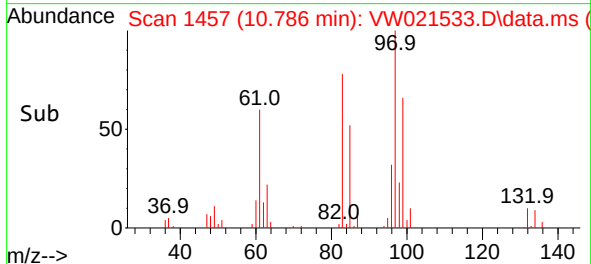


#45  
1,1,2-Trichloroethane  
Concen: 27.227 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

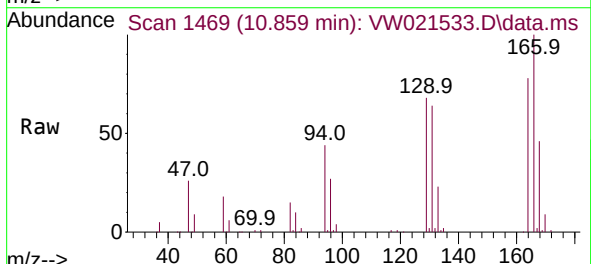
Instrument :  
MSVOA\_W  
ClientSampleId :



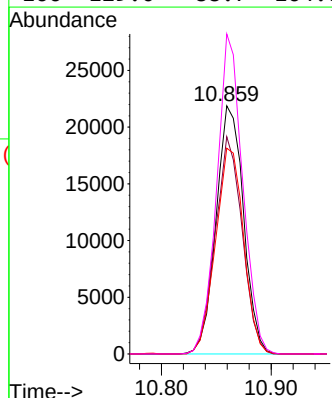
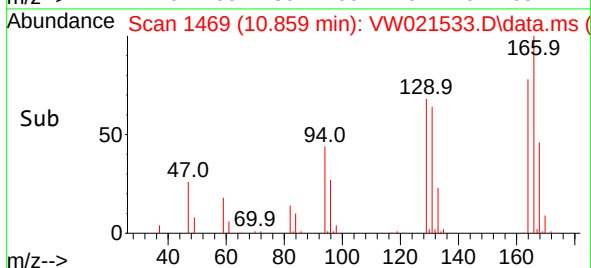
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 27751 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 66.3  | 43.0  | 79.8  |
| 83       | 77.5  | 62.6  | 116.3 |
| 85       | 51.9  | 40.0  | 74.2  |

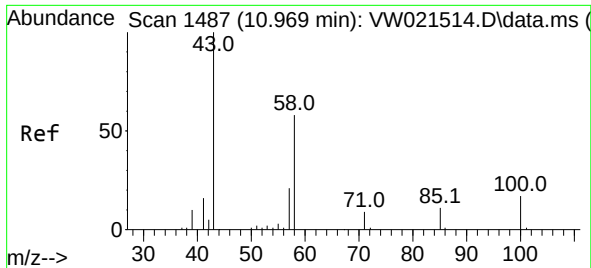


#46  
Tetrachloroethene  
Concen: 25.533 ug/L  
RT: 10.859 min Scan# 1469  
Delta R.T. -0.006 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37



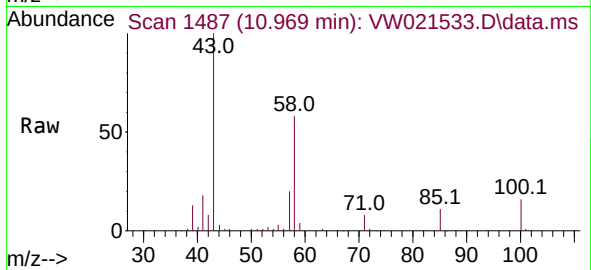
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 38013 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 87.6  | 65.5  | 121.7 |
| 131      | 82.9  | 59.7  | 110.9 |
| 166      | 129.0 | 88.7  | 164.7 |



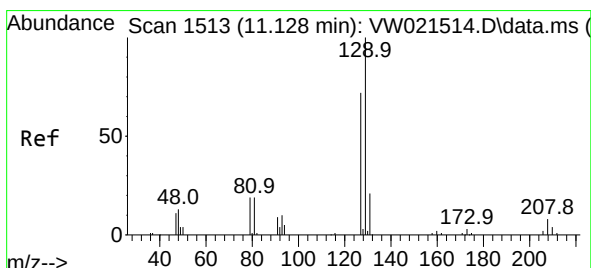
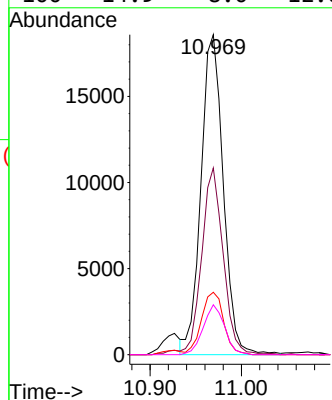
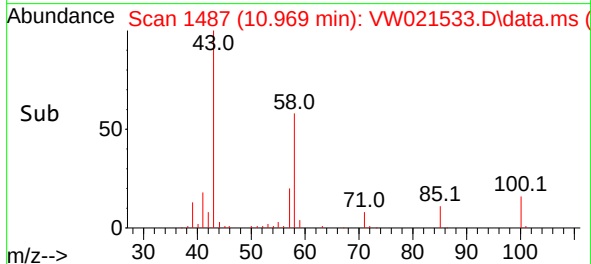


#48  
2-Hexanone  
Concen: 64.217 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Instrument :  
MSVOA\_W  
ClientSampleId :

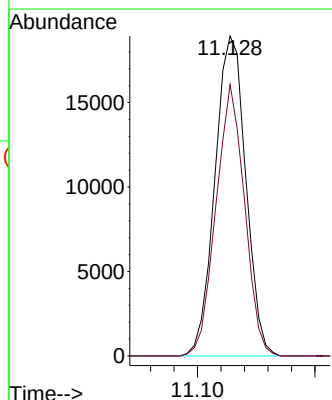
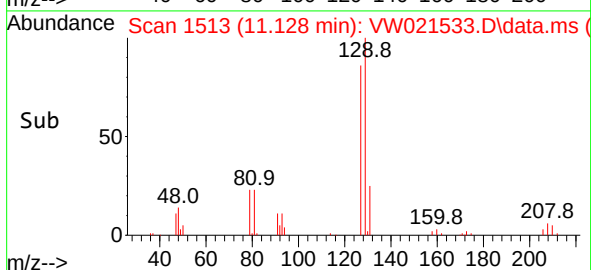
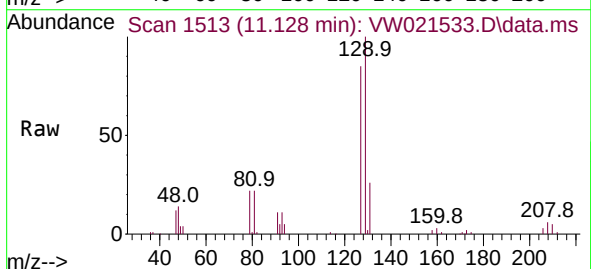


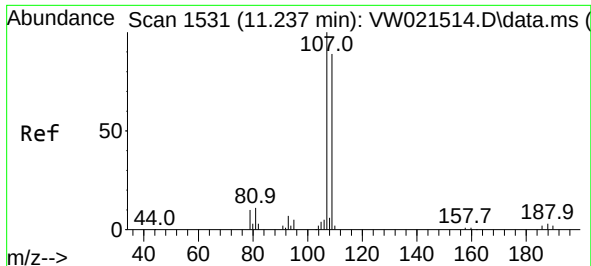
Tgt Ion: 43 Resp: 31599  
Ion Ratio Lower Upper  
43 100  
58 55.7 40.2 60.2  
57 19.3 14.3 21.5  
100 14.9 8.0 12.0#



#49  
Dibromochloromethane  
Concen: 27.500 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Tgt Ion: 129 Resp: 34555  
Ion Ratio Lower Upper  
129 100  
127 84.8 55.7 103.5





#50

1,2-Dibromoethane

Concen: 27.196 ug/L

RT: 11.237 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021533.D

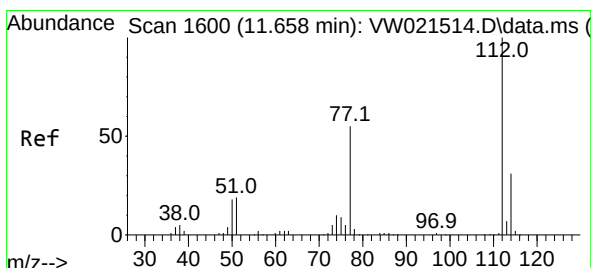
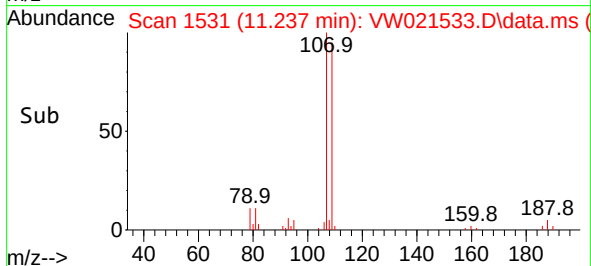
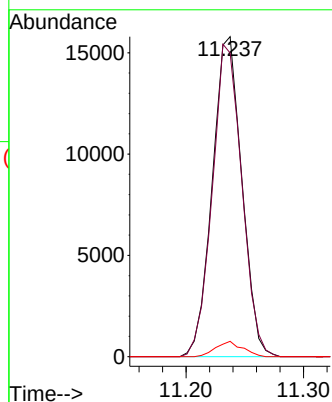
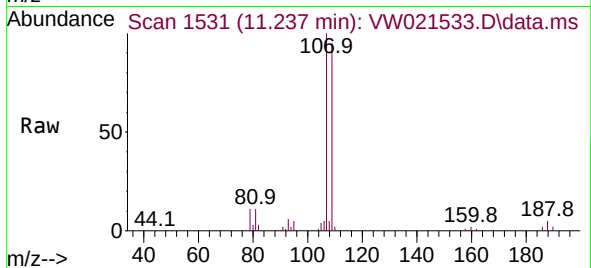
Acq: 21 Dec 2021 18:37

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 27586      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 94.9  | 64.1 119.1 |
| 188         | 4.8   | 2.6 3.8#   |



#51

Chlorobenzene

Concen: 24.571 ug/L

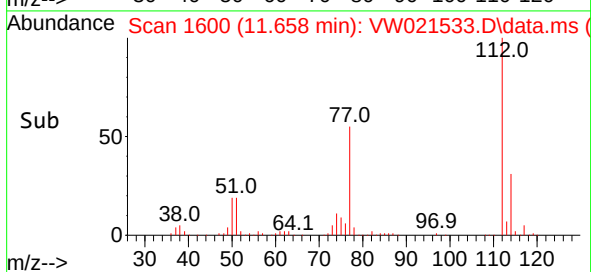
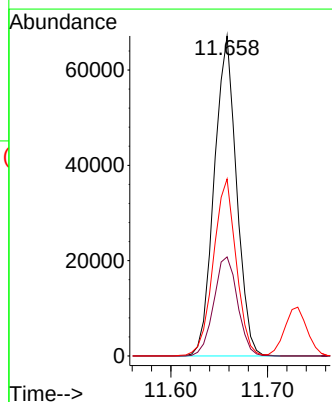
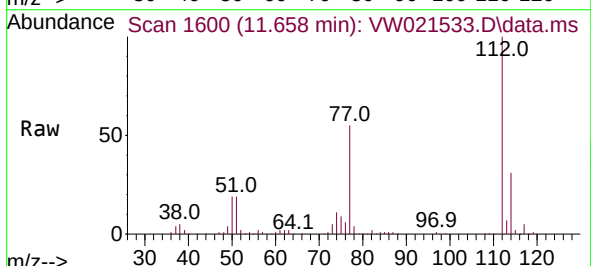
RT: 11.658 min Scan# 1600

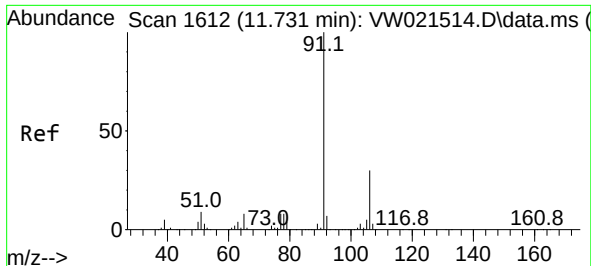
Delta R.T. -0.000 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 107415    |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 31.0  | 22.4 41.6 |
| 77          | 55.3  | 50.2 75.4 |

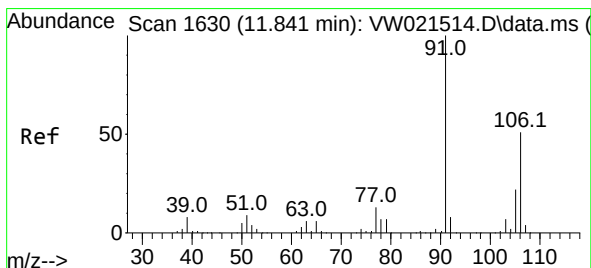
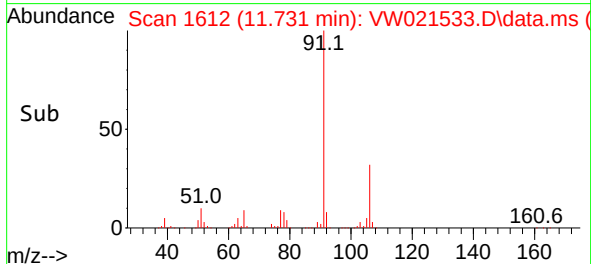
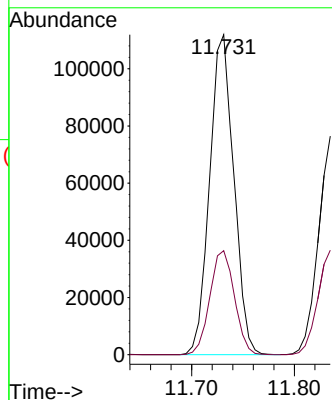
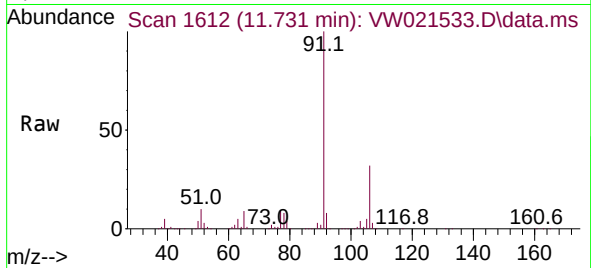




#52  
Ethylbenzene  
Concen: 24.548 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

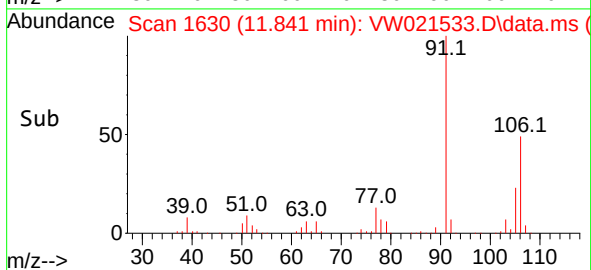
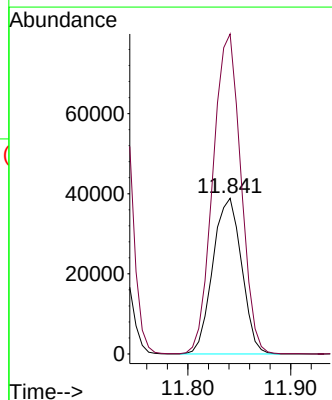
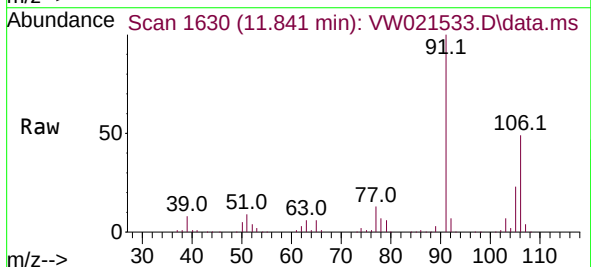
Instrument :  
MSVOA\_W  
ClientSampleId :

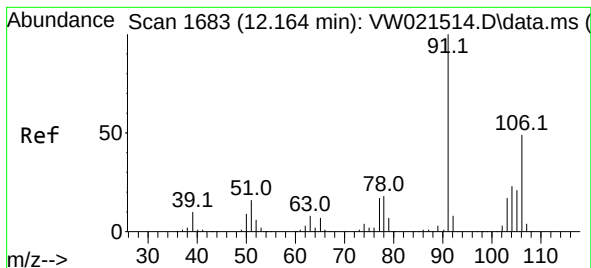
Tgt Ion: 91 Resp: 183164  
Ion Ratio Lower Upper  
91 100  
106 32.5 21.5 39.9



#53  
m,p-Xylene  
Concen: 25.150 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Tgt Ion:106 Resp: 75704  
Ion Ratio Lower Upper  
106 100  
91 205.5 149.9 278.3





#54

o-Xylene

Concen: 24.759 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

Instrument :

MSVOA\_W

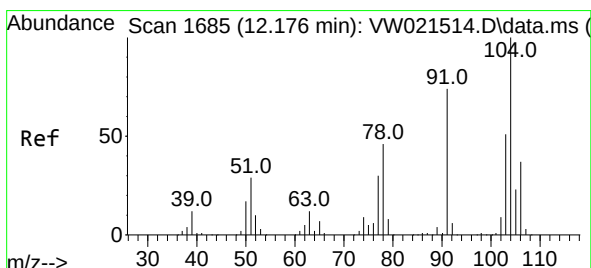
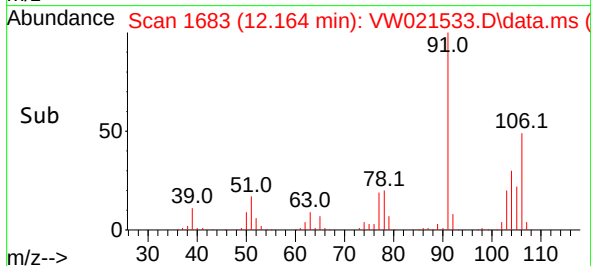
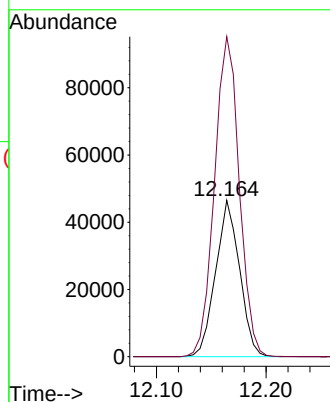
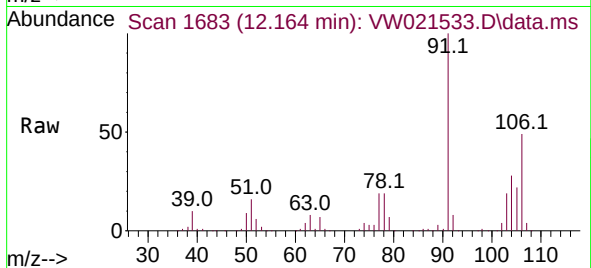
ClientSampleId :

Tgt Ion:106 Resp: 70728

Ion Ratio Lower Upper

106 100

91 204.7 153.6 285.3



#55

Styrene

Concen: 25.501 ug/L

RT: 12.182 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW021533.D

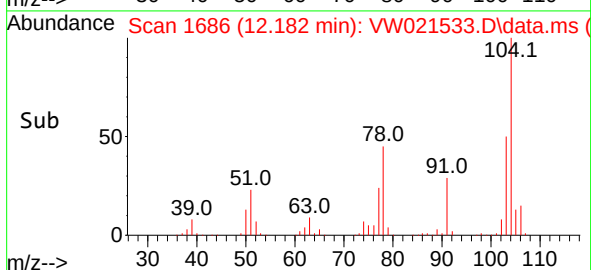
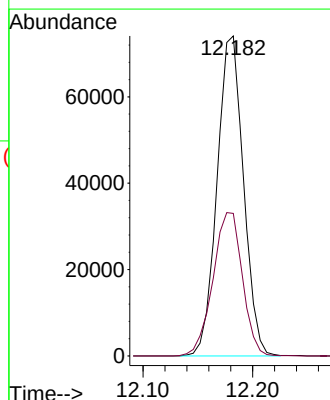
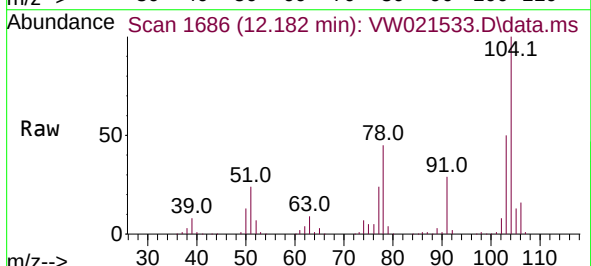
Acq: 21 Dec 2021 18:37

Tgt Ion:104 Resp: 123983

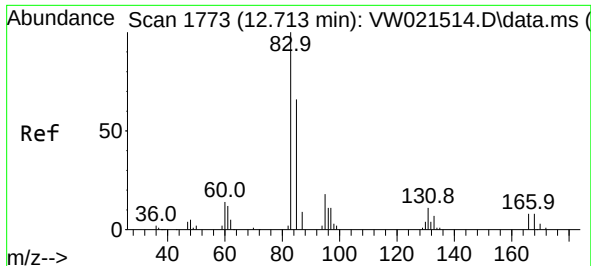
Ion Ratio Lower Upper

104 100

78 44.5 34.4 64.0







#57

1,1,2,2-Tetrachloroethane

Concen: 28.611 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VW021533.D

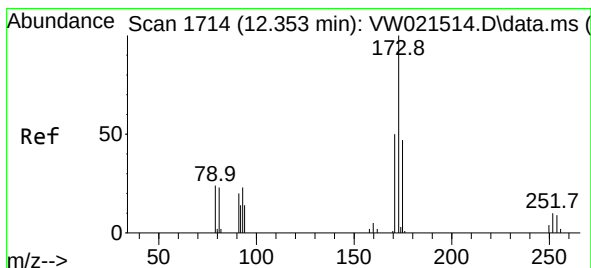
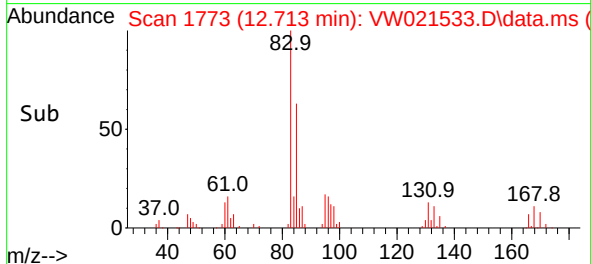
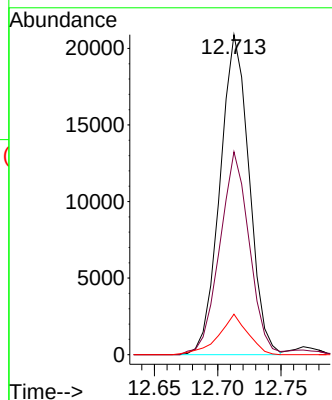
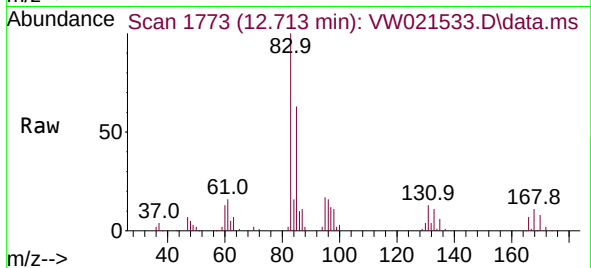
Acq: 21 Dec 2021 18:37

Instrument :

MSVOA\_W

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 33429 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 63.4  | 44.0  | 81.6  |
| 131       | 12.7  | 6.9   | 10.3# |



#59

Bromoform

Concen: 25.286 ug/L

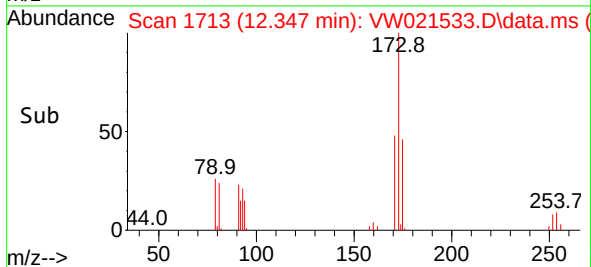
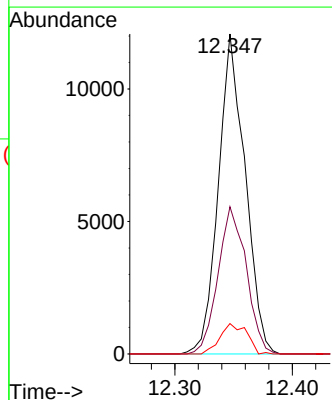
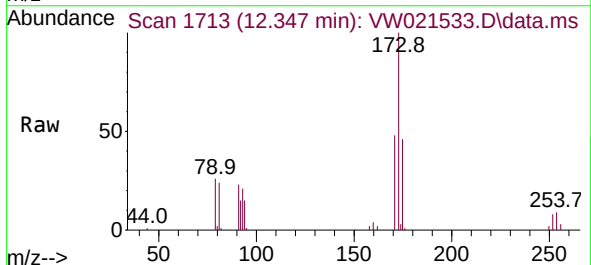
RT: 12.347 min Scan# 1713

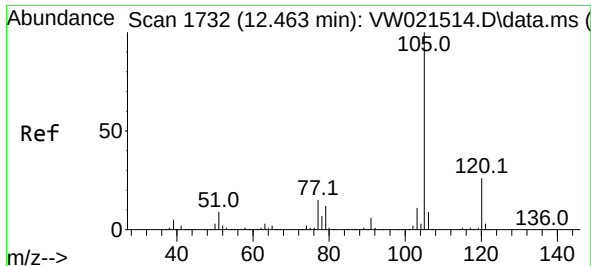
Delta R.T. -0.006 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

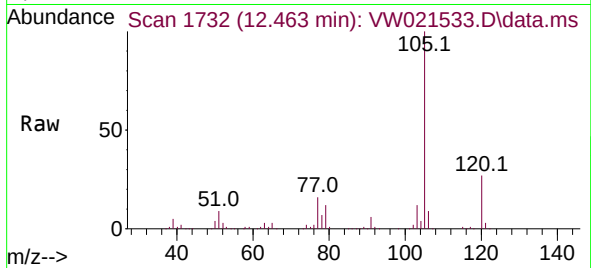
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 19125 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.5  | 39.6  | 59.4  |
| 254       | 9.4   | 7.4   | 11.0  |



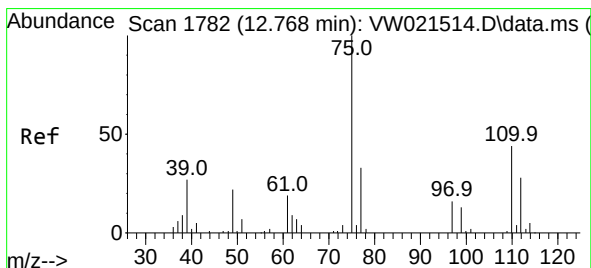
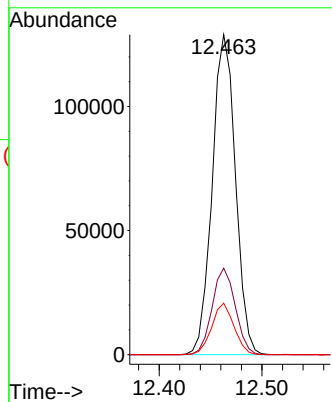
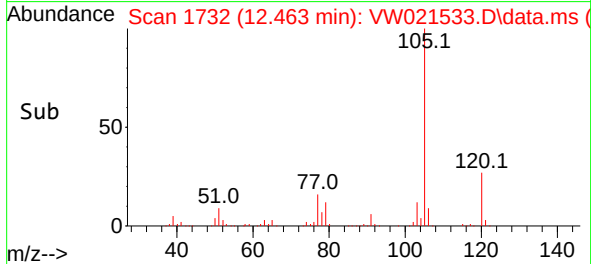


#60  
Isopropylbenzene  
Concen: 23.412 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Instrument :  
MSVOA\_W  
ClientSampleId :

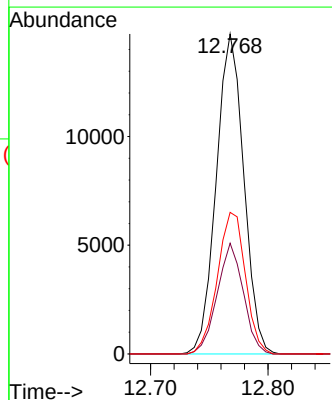
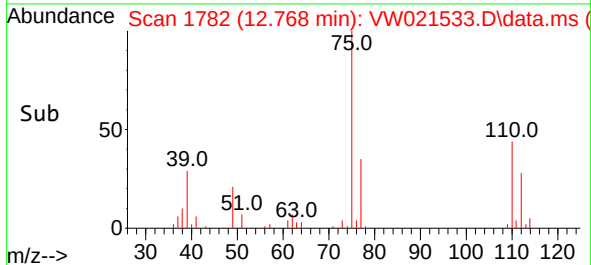
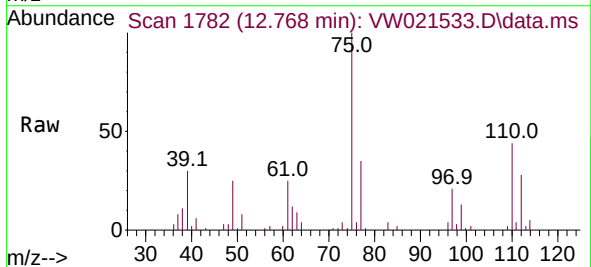


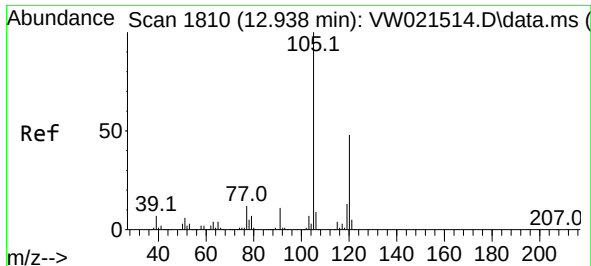
Tgt Ion:105 Resp: 202217  
Ion Ratio Lower Upper  
105 100  
120 26.9 20.1 30.1  
77 15.4 13.8 20.8



#61  
1,2,3-Trichloropropane  
Concen: 25.893 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Tgt Ion: 75 Resp: 23954  
Ion Ratio Lower Upper  
75 100  
77 32.8 25.8 38.8  
110 45.1 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 23.621 ug/L

RT: 12.944 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

Instrument :

MSVOA\_W

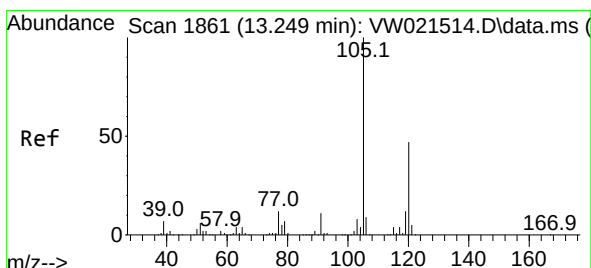
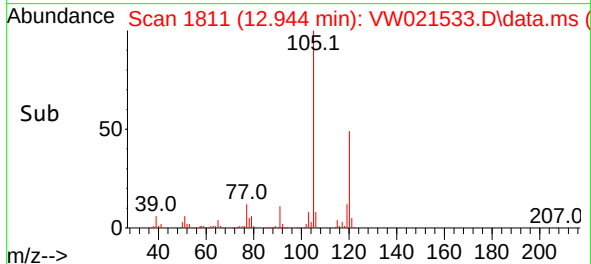
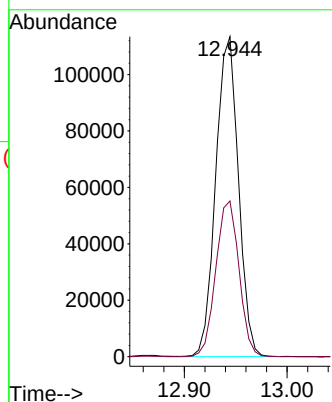
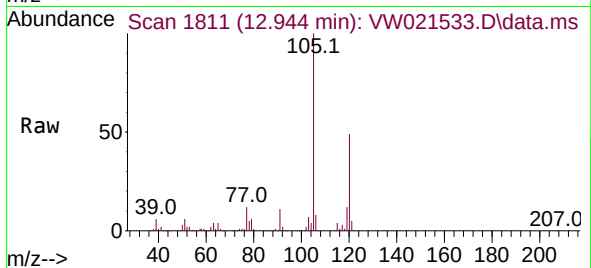
ClientSampleId :

Tgt Ion:105 Resp: 173615

Ion Ratio Lower Upper

105 100

120 49.8 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 23.257 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021533.D

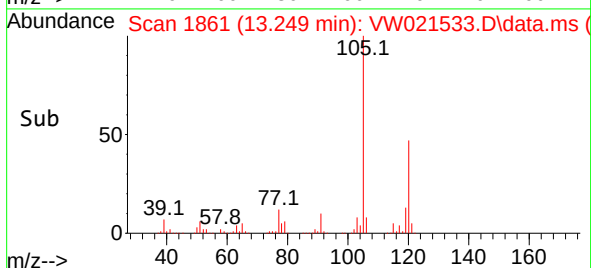
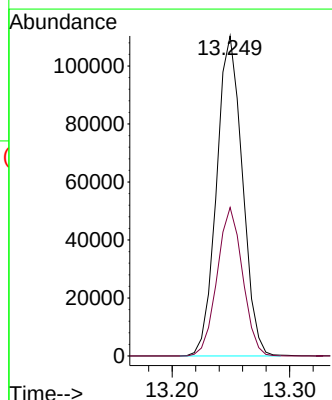
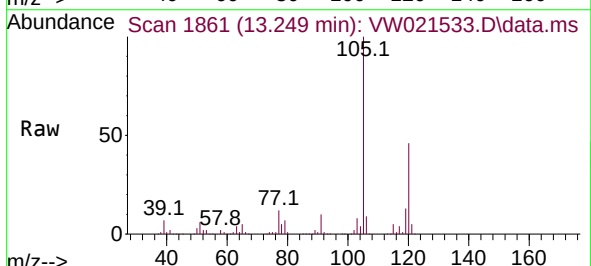
Acq: 21 Dec 2021 18:37

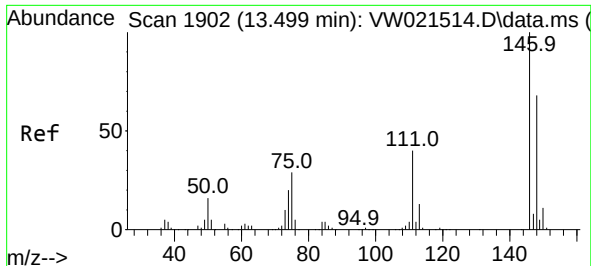
Tgt Ion:105 Resp: 168626

Ion Ratio Lower Upper

105 100

120 45.7 35.0 52.6

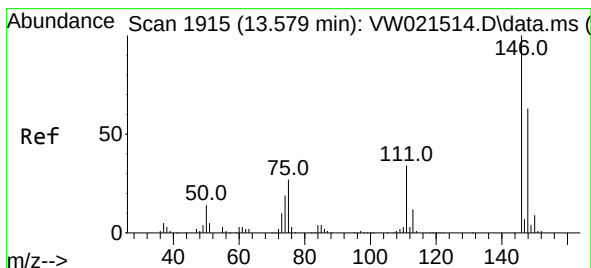
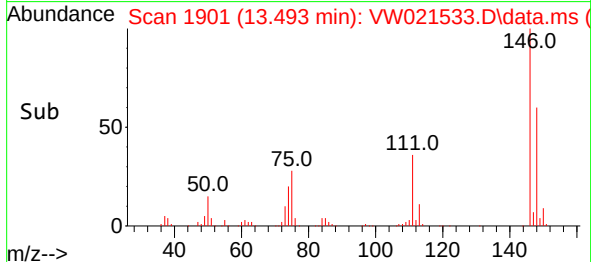
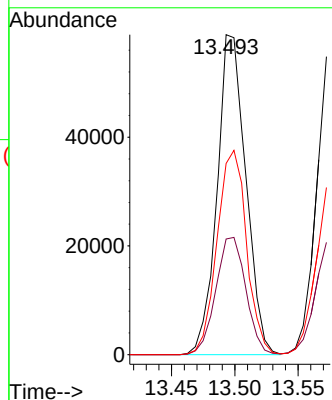
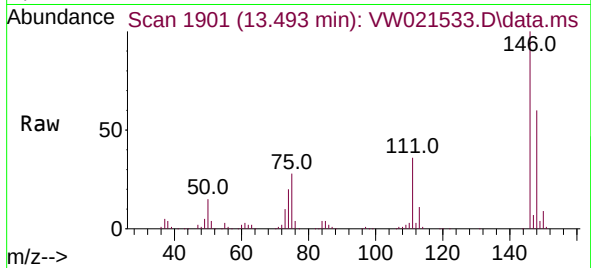




#64  
1,3-Dichlorobenzene  
Concen: 22.832 ug/L  
RT: 13.493 min Scan# 1902  
Delta R.T. -0.006 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

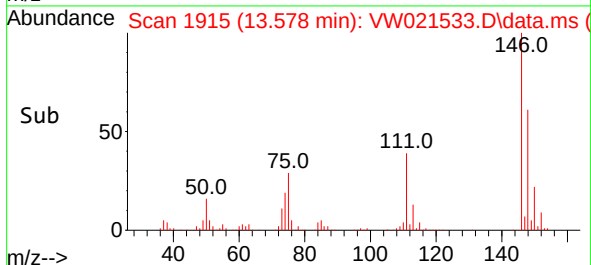
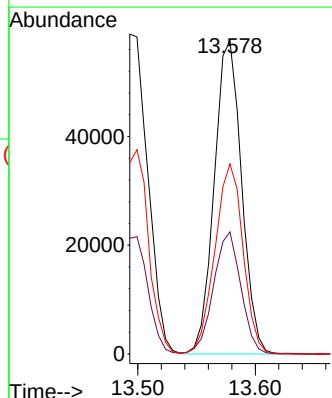
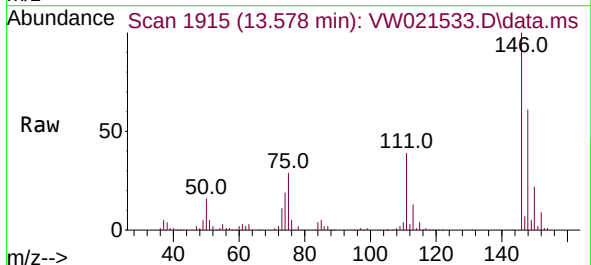
Instrument :  
MSVOA\_W  
ClientSampleId :

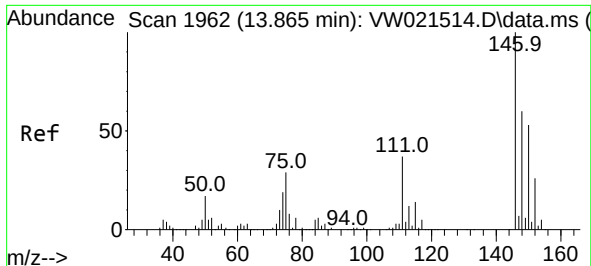
Tgt Ion:146 Resp: 93018  
Ion Ratio Lower Upper  
146 100  
111 36.2 29.8 55.3  
148 59.8 46.2 85.8



#65  
1,4-Dichlorobenzene  
Concen: 23.020 ug/L  
RT: 13.578 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

Tgt Ion:146 Resp: 93178  
Ion Ratio Lower Upper  
146 100  
111 39.0 29.0 53.9  
148 60.7 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 23.439 ug/L

RT: 13.871 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

Instrument :

MSVOA\_W

ClientSampleId :

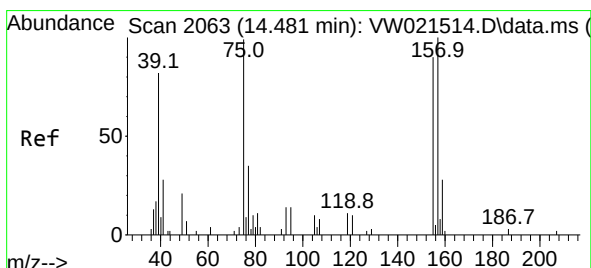
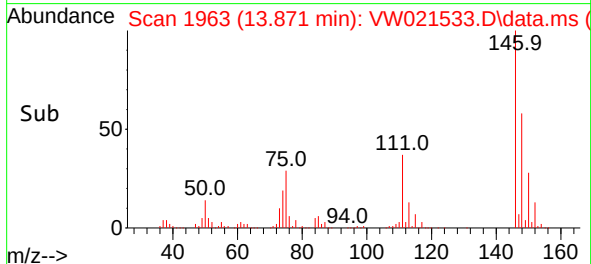
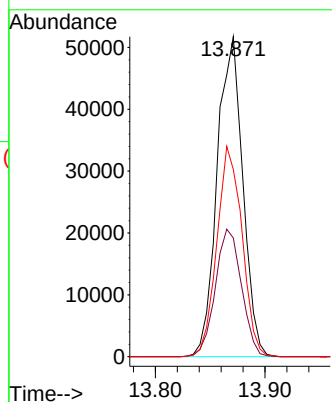
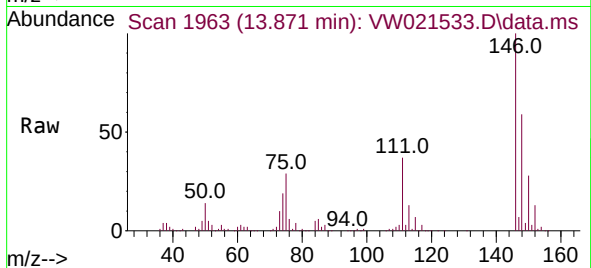
Tgt Ion:146 Resp: 84071

Ion Ratio Lower Upper

146 100

111 37.1 33.1 49.7

148 58.5 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 25.532 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

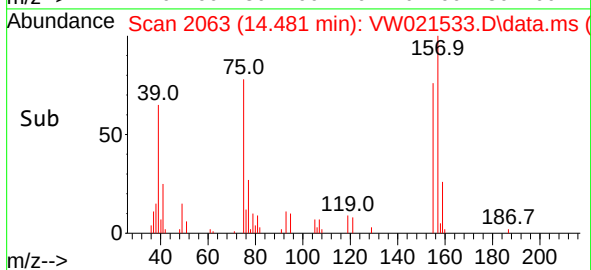
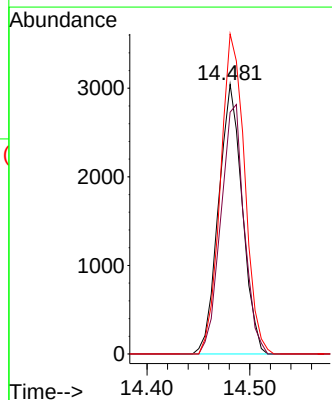
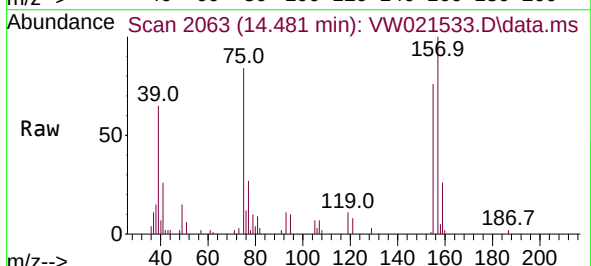
Tgt Ion: 75 Resp: 4872

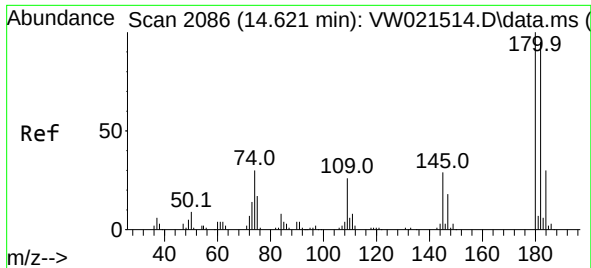
Ion Ratio Lower Upper

75 100

155 89.7 54.2 81.2#

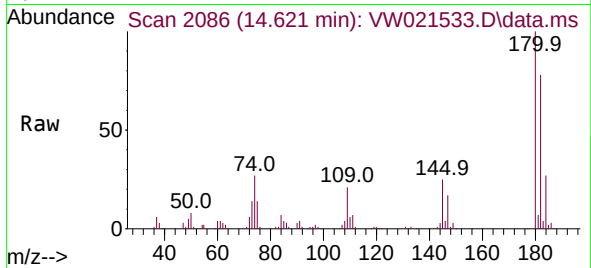
157 118.7 69.4 104.2#



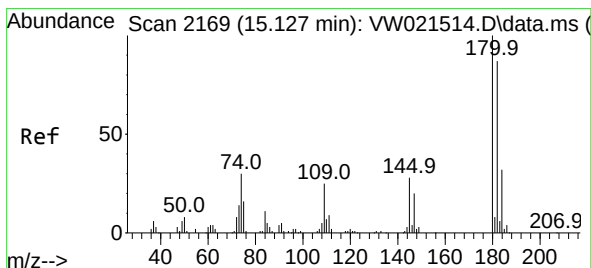
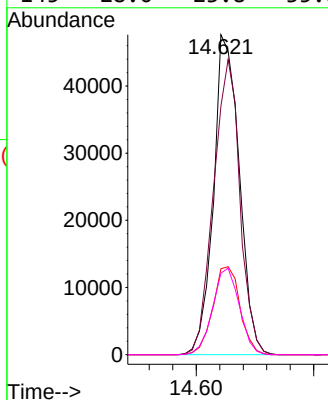
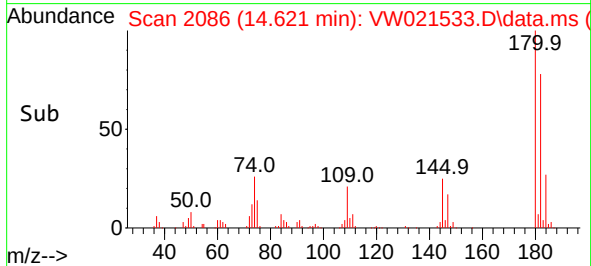


#69  
1,3,5-Trichlorobenzene  
Concen: 23.840 ug/L  
RT: 14.621 min Scan# 2086  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37

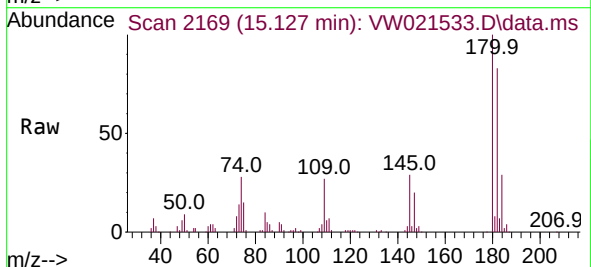
Instrument :  
MSVOA\_W  
ClientSampleId :



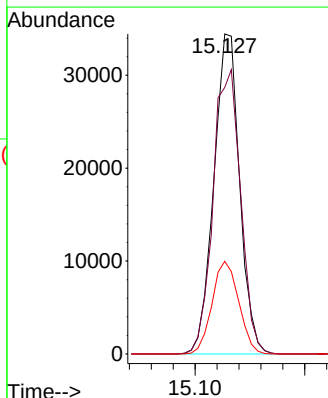
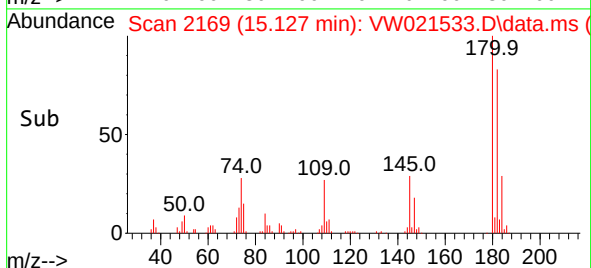
Tgt Ion:180 Resp: 72594  
Ion Ratio Lower Upper  
180 100  
182 94.2 75.4 113.0  
184 29.1 23.8 35.8  
145 28.0 23.8 35.8

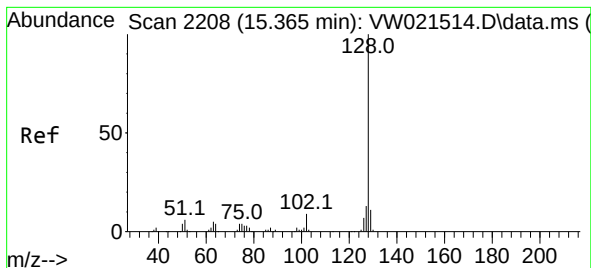


#70  
1,2,4-trichlorobenzene  
Concen: 23.008 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. -0.000 min  
Lab File: VW021533.D  
Acq: 21 Dec 2021 18:37



Tgt Ion:180 Resp: 56351  
Ion Ratio Lower Upper  
180 100  
182 94.7 79.0 118.6  
145 29.8 26.0 39.0





#71

Naphthalene

Concen: 25.258 ug/L

RT: 15.365 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

Instrument :

MSVOA\_W

ClientSampleId :

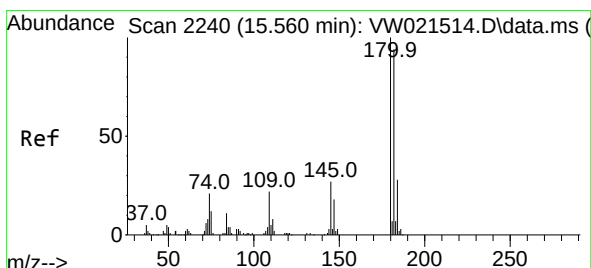
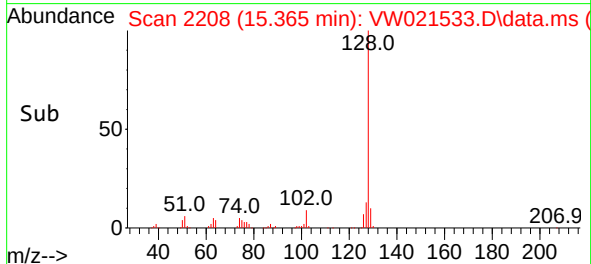
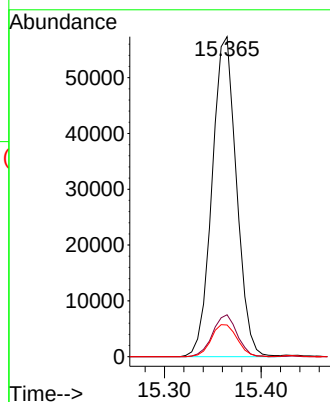
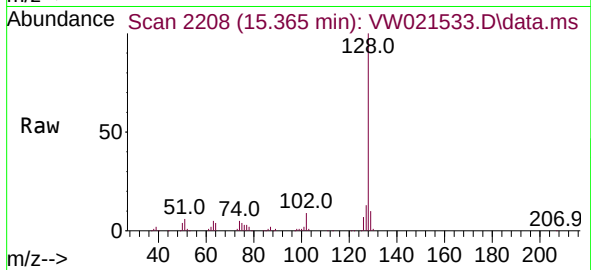
Tgt Ion:128 Resp: 100502

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 10.6 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 23.380 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. -0.006 min

Lab File: VW021533.D

Acq: 21 Dec 2021 18:37

Tgt Ion:180 Resp: 47323

Ion Ratio Lower Upper

180 100

182 92.7 76.6 114.8

145 31.3 27.4 41.0

