

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120221\  
 Data File : VW021036.D  
 Acq On : 02 Dec 2021 10:45  
 Operator : SY/VA  
 Sample : M4881-22MSD  
 Misc : 4.53g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 03 02:22:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM111521SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 03 01:25:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 97667    | 25.000   | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 74174    | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 22240    | 25.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 27382    | 24.170   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 96.680%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 22203    | 30.388   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 121.560% |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 48414    | 22.087   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 88.360%  |
| 21) 2-Butanone-d5             | 7.092  | 46    | 11845    | 41.889   | ug/L  | 0.01     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 83.780%  |
| 24) Chloroform-d              | 7.653  | 84    | 63205    | 25.684   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 102.720% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 30120    | 24.113   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 96.440%  |
| 32) Benzene-d6                | 8.275  | 84    | 116865   | 29.894   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 119.560% |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 32889    | 29.544   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 118.160% |
| 41) Toluene-d8                | 10.323 | 98    | 106557   | 27.462   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 109.840% |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 11821    | 22.466   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 89.880%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 9301     | 50.376   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 100.760% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 21394    | 25.087   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 100.360% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 20041    | 25.283   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 101.120% |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 11582    | 40.975   | ug/L  | 96       |
| 3) Chloromethane              | 2.209  | 50    | 21937    | 25.527   | ug/L  | 100      |
| 5) Vinyl chloride             | 2.355  | 62    | 40331    | 27.134   | ug/L  | 99       |
| 6) Bromomethane               | 2.782  | 94    | 25935    | 31.467   | ug/L  | 97       |
| 8) Chloroethane               | 2.916  | 64    | 18035    | 28.861   | ug/L  | 96       |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 19662    | 22.709   | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 32741    | 24.875   | ug/L  | 92       |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 28246    | 23.082   | ug/L  | 85       |
| 13) Acetone                   | 4.160  | 43    | 8033     | 31.818   | ug/L  | 76       |
| 14) Carbon disulfide          | 4.379  | 76    | 56617    | 17.107   | ug/L  | 98       |
| 15) Methyl Acetate            | 4.690  | 43    | 8760     | 19.348   | ug/L  | # 90     |
| 16) Methylene chloride        | 4.916  | 84    | 29087    | 21.354   | ug/L  | 85       |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 28534    | 21.635   | ug/L  | 84       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 44581    | 22.519   | ug/L  | 94       |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 52446    | 24.000   | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 32355    | 22.762   | ug/L  | 69       |
| 22) 2-Butanone                | 7.183  | 43    | 12246    | 35.702   | ug/L  | 87       |
| 23) Bromochloromethane        | 7.513  | 128   | 14080    | 21.667   | ug/L  | # 73     |
| 25) Chloroform                | 7.677  | 83    | 58230    | 24.379   | ug/L  | 99       |

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 Operator : SY/VA  
 Sample : M4881-22MSD  
 Misc : 4.53g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

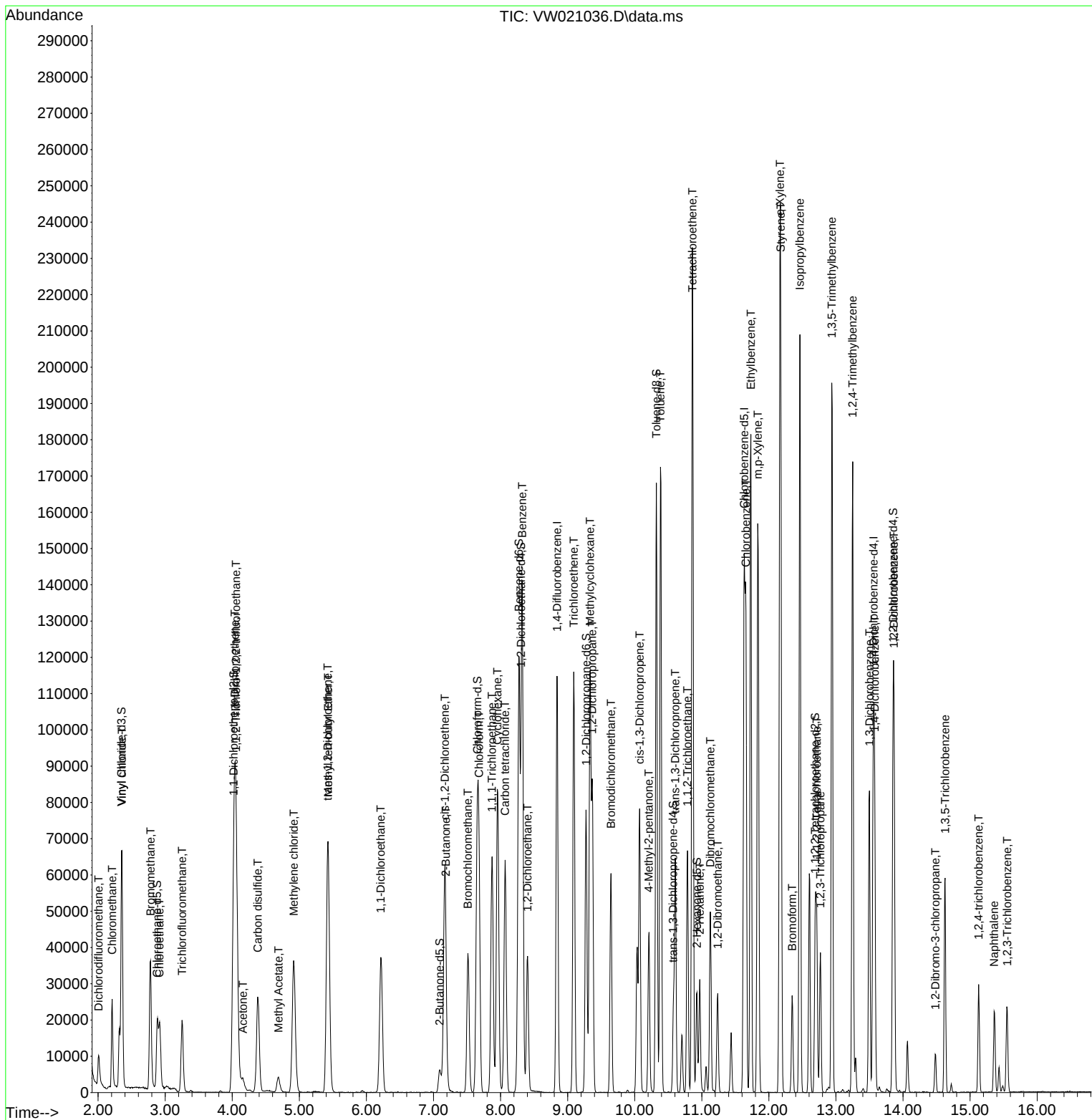
Instrument :  
 MSVOA\_W  
 ClientSampleId :

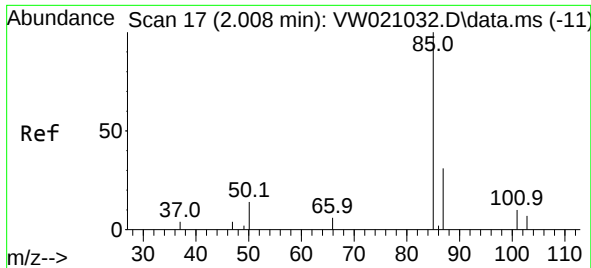
Quant Time: Dec 03 02:22:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM111521SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 03 01:25:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 33205    | 22.959 | ug/L   | 97       |
| 29) Cyclohexane               | 7.952  | 56   | 42733    | 25.842 | ug/L # | 81       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 52285    | 29.313 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 46731    | 27.680 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 119568   | 28.470 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 37514    | 31.935 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.335  | 83   | 48589    | 25.088 | ug/L # | 85       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 27444    | 28.078 | ug/L # | 96       |
| 38) Bromodichloromethane      | 9.646  | 83   | 38176    | 27.217 | ug/L # | 97       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 40352    | 25.005 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 28108    | 48.316 | ug/L # | 93       |
| 42) Toluene                   | 10.384 | 91   | 126995   | 26.884 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 31195    | 21.995 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 20068    | 26.399 | ug/L   | 94       |
| 46) Tetrachloroethene         | 10.860 | 164  | 49621    | 46.007 | ug/L   | 88       |
| 48) 2-Hexanone                | 10.969 | 43   | 19402    | 48.148 | ug/L # | 96       |
| 49) Dibromochloromethane      | 11.128 | 129  | 25059    | 23.911 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 17020    | 22.332 | ug/L # | 95       |
| 51) Chlorobenzene             | 11.658 | 112  | 68682    | 21.861 | ug/L   | 89       |
| 52) Ethylbenzene              | 11.731 | 91   | 126160   | 24.101 | ug/L   | 92       |
| 53) m,p-Xylene                | 11.835 | 106  | 50661    | 23.705 | ug/L   | 94       |
| 54) o-Xylene                  | 12.164 | 106  | 48759    | 23.756 | ug/L   | 97       |
| 55) Styrene                   | 12.176 | 104  | 66031    | 19.375 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 20087    | 23.841 | ug/L # | 99       |
| 59) Bromoform                 | 12.347 | 173  | 11411    | 34.411 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 130306   | 43.017 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 14339    | 43.955 | ug/L   | 93       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 104046   | 40.717 | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 92782    | 36.801 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 34307    | 24.157 | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 31097    | 21.707 | ug/L   | 91       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 31419    | 25.106 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 2342     | 30.029 | ug/L # | 75       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 17457    | 15.520 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 8924     | 9.698  | ug/L   | 96       |
| 71) Naphthalene               | 15.359 | 128  | 19491    | 12.999 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 7969     | 10.262 | ug/L   | 97       |

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

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Response via : Initial Calibration

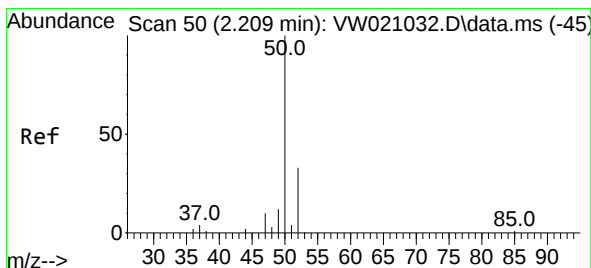
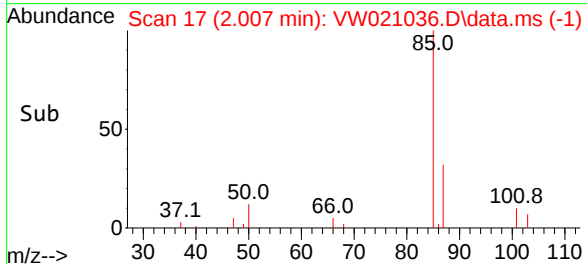
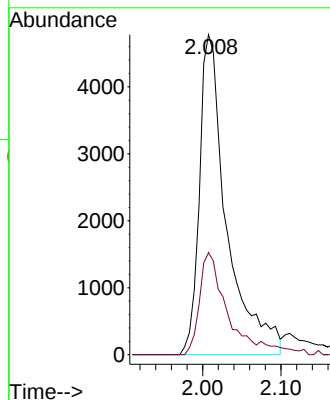
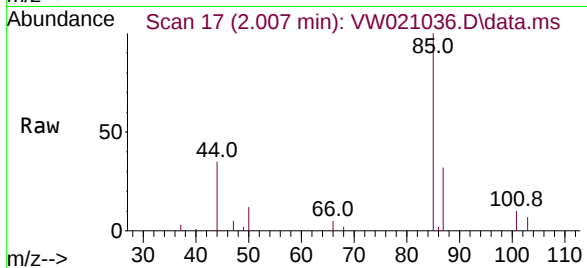




#2  
 Dichlorodifluoromethane  
 Concen: 40.975 ug/L  
 RT: 2.007 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW021036.D  
 Acq: 02 Dec 2021 10:45

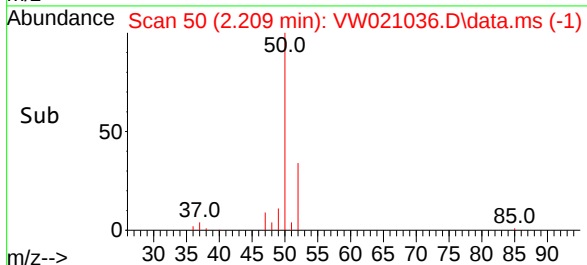
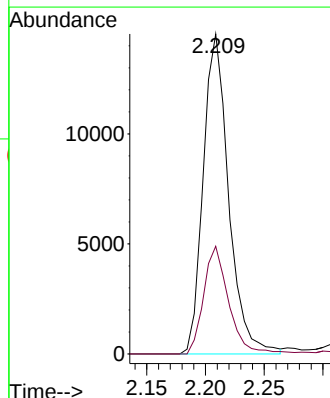
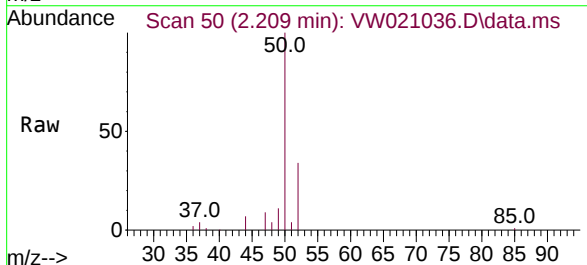
Instrument :  
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 ClientSampleId :

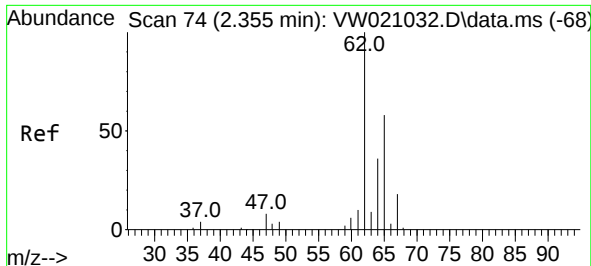
Tgt Ion: 85 Resp: 11582  
 Ion Ratio Lower Upper  
 85 100  
 87 30.2 25.8 38.6



#3  
 Chloromethane  
 Concen: 25.527 ug/L  
 RT: 2.209 min Scan# 50  
 Delta R.T. -0.000 min  
 Lab File: VW021036.D  
 Acq: 02 Dec 2021 10:45

Tgt Ion: 50 Resp: 21937  
 Ion Ratio Lower Upper  
 50 100  
 52 33.7 23.4 43.6

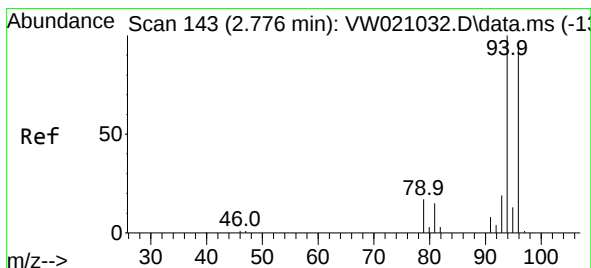
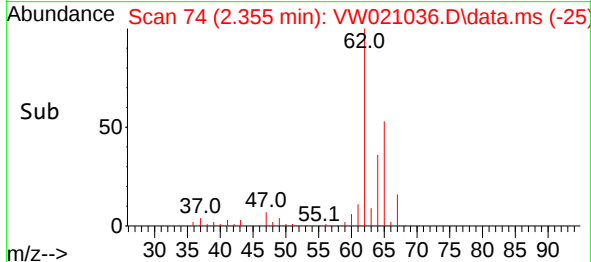
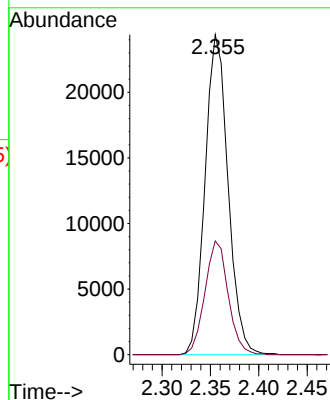
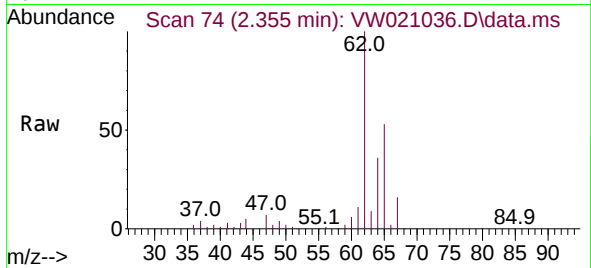




#5  
 Vinyl chloride  
 Concen: 27.134 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. -0.000 min  
 Lab File: VW021036.D  
 Acq: 02 Dec 2021 10:45

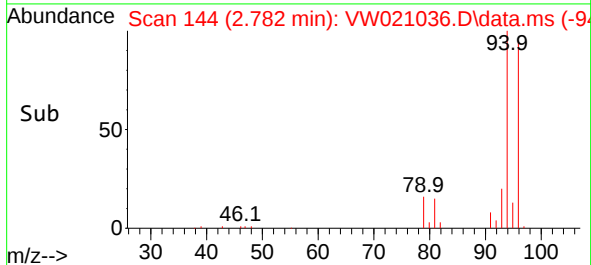
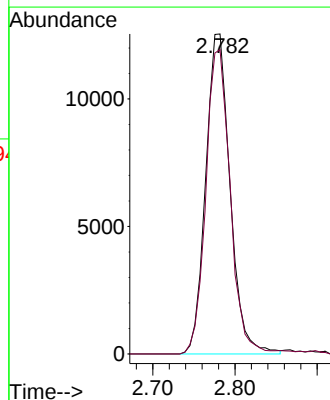
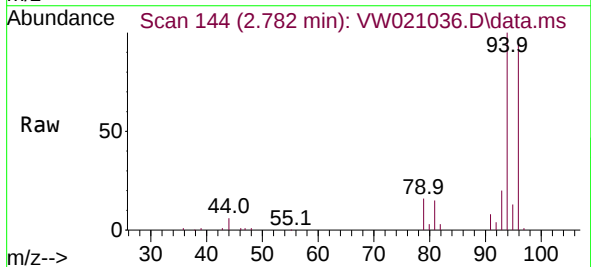
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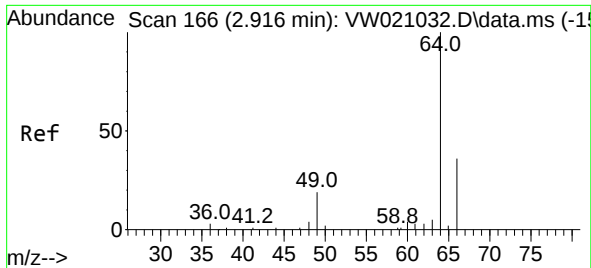
Tgt Ion: 62 Resp: 40331  
 Ion Ratio Lower Upper  
 62 100  
 64 35.5 24.4 45.2



#6  
 Bromomethane  
 Concen: 31.467 ug/L  
 RT: 2.782 min Scan# 144  
 Delta R.T. 0.006 min  
 Lab File: VW021036.D  
 Acq: 02 Dec 2021 10:45

Tgt Ion: 94 Resp: 25935  
 Ion Ratio Lower Upper  
 94 100  
 96 95.1 64.8 120.4

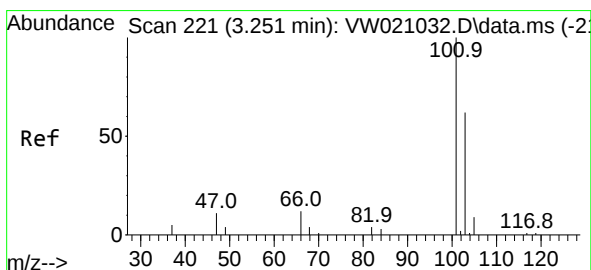
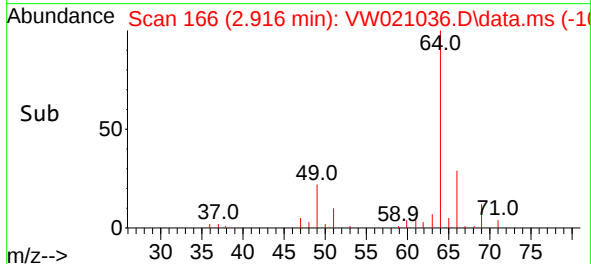
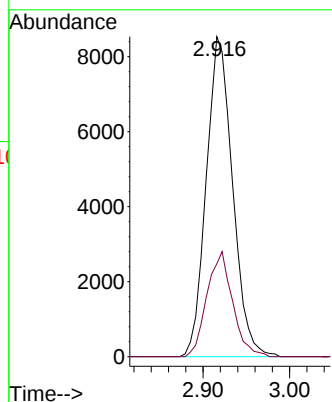
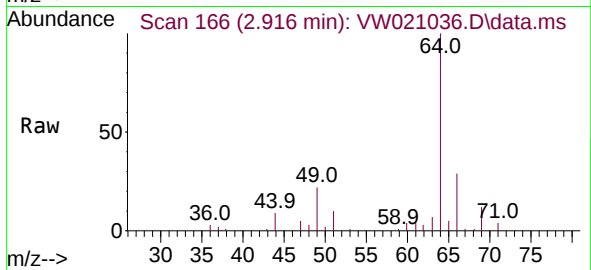




#8  
Chloroethane  
Concen: 28.861 ug/L  
RT: 2.916 min Scan# 166  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

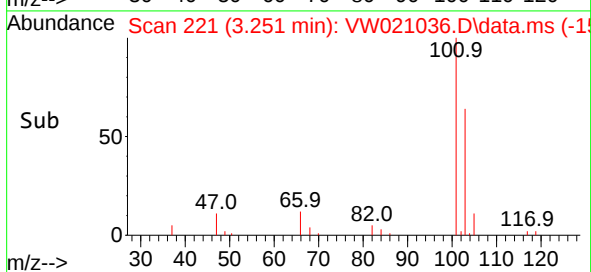
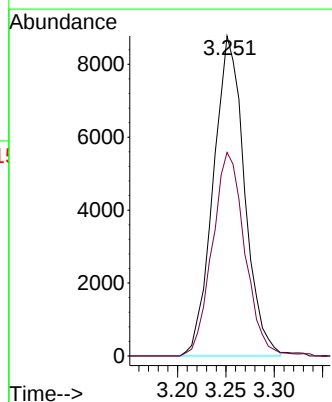
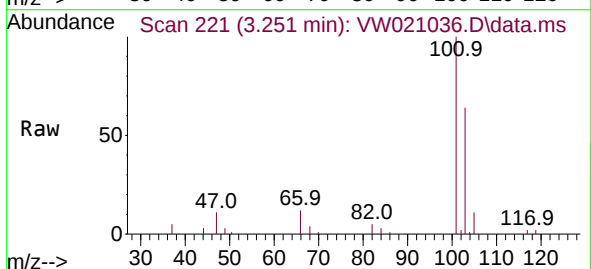
Instrument :  
MSVOA\_W  
ClientSampleId :

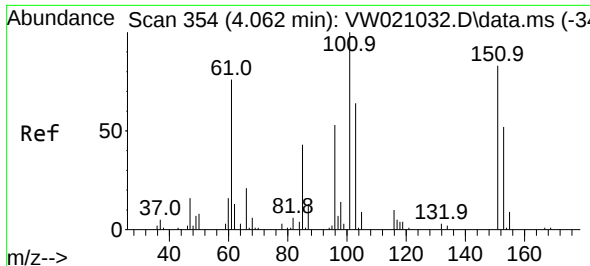
Tgt Ion: 64 Resp: 18035  
Ion Ratio Lower Upper  
64 100  
66 29.1 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 22.709 ug/L  
RT: 3.251 min Scan# 221  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

Tgt Ion:101 Resp: 19662  
Ion Ratio Lower Upper  
101 100  
103 66.2 51.4 77.2

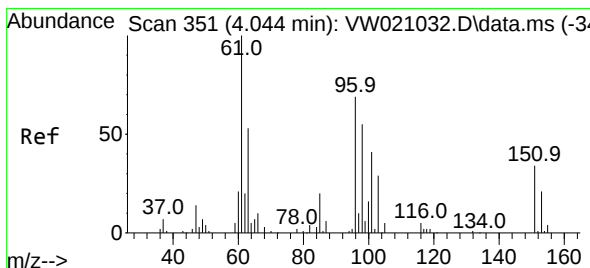
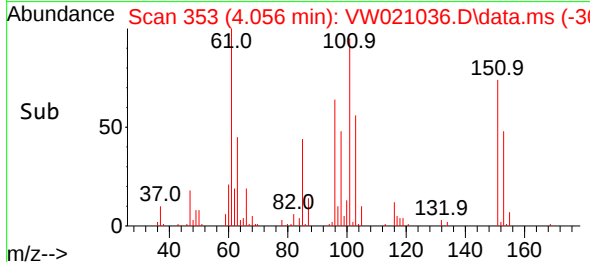
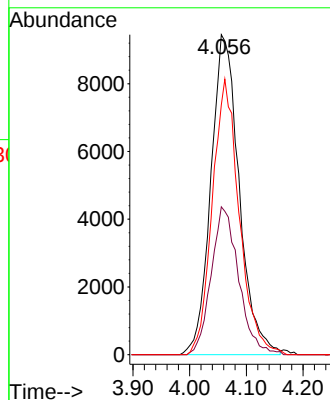
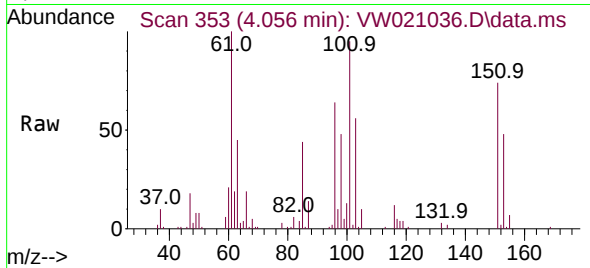




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 24.875 ug/L  
RT: 4.056 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

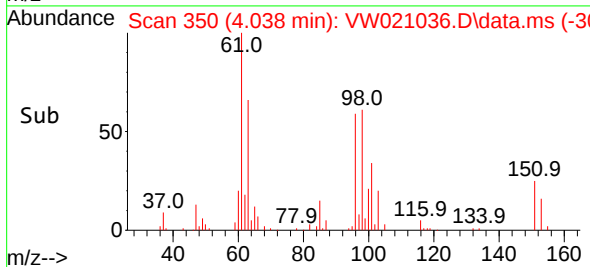
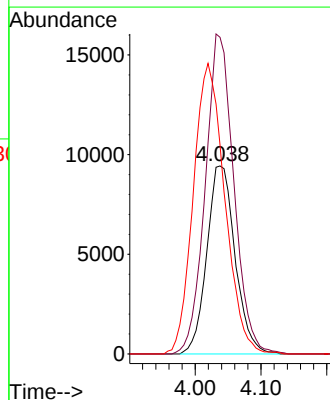
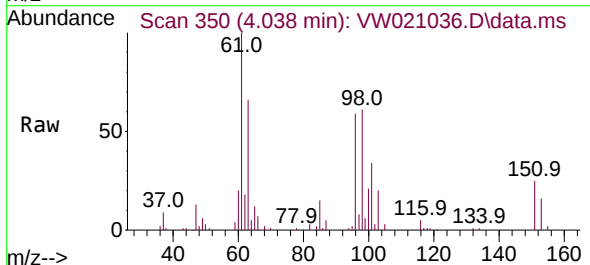
Instrument :  
MSVOA\_W  
ClientSampleId :

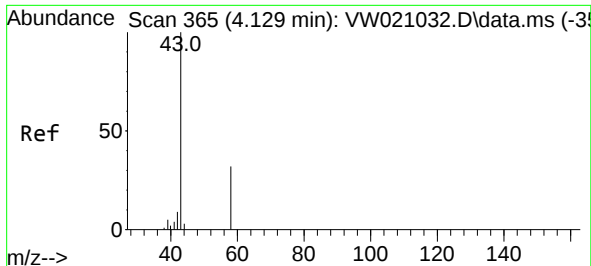
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Ion Ratio Lower Upper  
101 100  
85 44.9 36.6 54.8  
151 81.8 57.4 86.0



#12  
1,1-Dichloroethene  
Concen: 23.082 ug/L  
RT: 4.038 min Scan# 350  
Delta R.T. -0.006 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

Tgt Ion: 96 Resp: 28246  
Ion Ratio Lower Upper  
96 100  
61 168.5 138.3 256.9  
63 111.0 82.6 153.4





#13

Acetone

Concen: 31.818 ug/L

RT: 4.160 min Scan# 31

Delta R.T. 0.030 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

Instrument :

MSVOA\_W

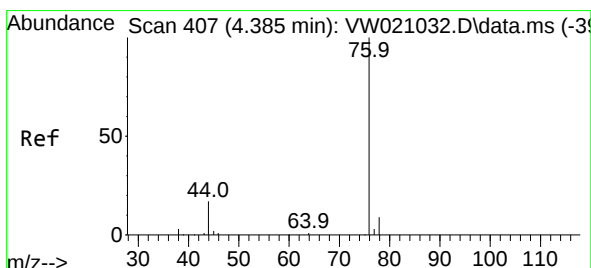
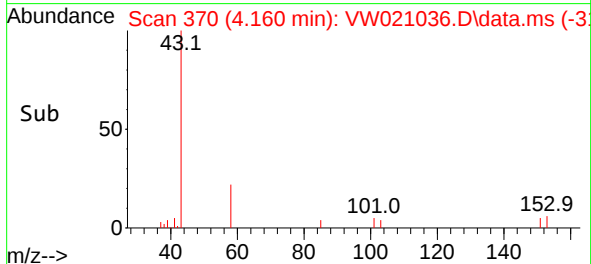
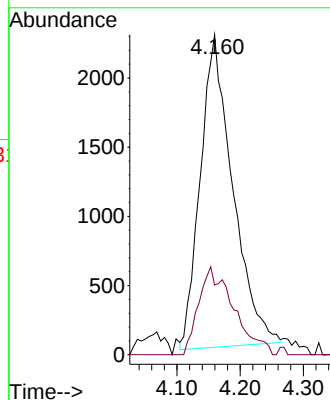
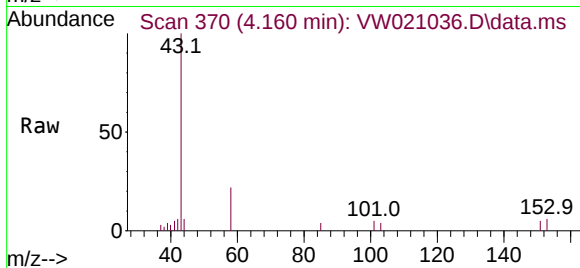
ClientSampleId :

Tgt Ion: 43 Resp: 8033

Ion Ratio Lower Upper

43 100

58 14.3 0.0 52.8



#14

Carbon disulfide

Concen: 17.107 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.006 min

Lab File: VW021036.D

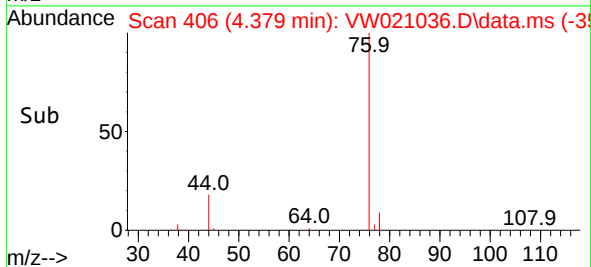
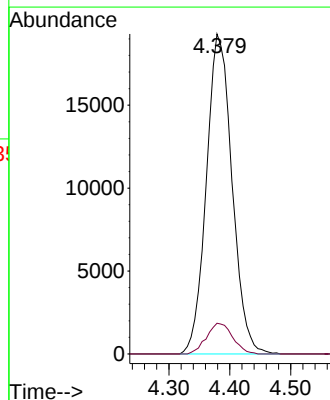
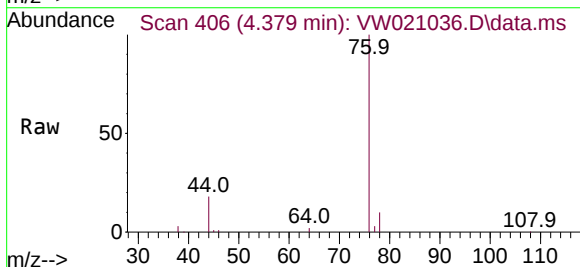
Acq: 02 Dec 2021 10:45

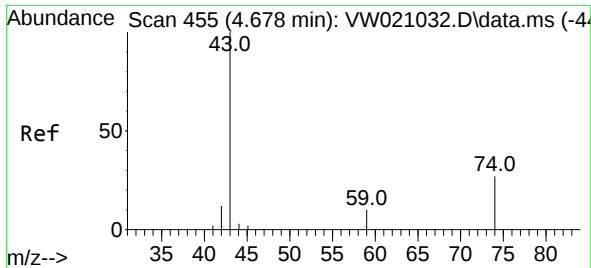
Tgt Ion: 76 Resp: 56617

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7

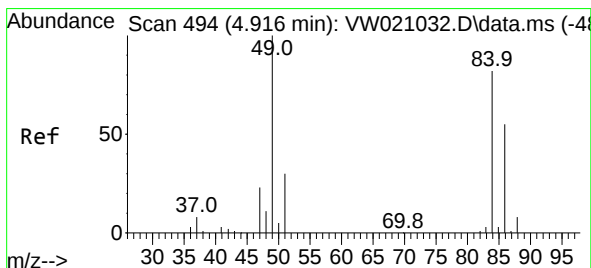
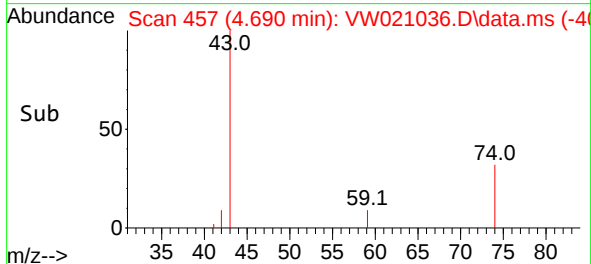
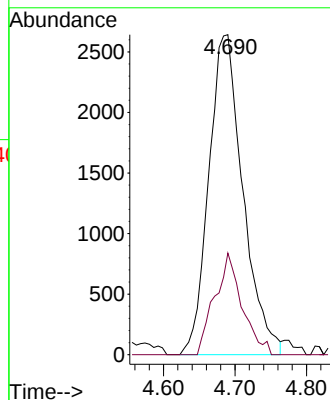
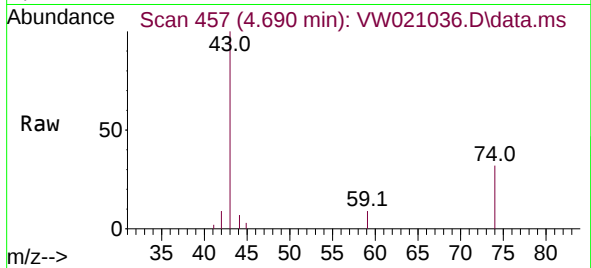




#15  
Methyl Acetate  
Concen: 19.348 ug/L  
RT: 4.690 min Scan# 457  
Delta R.T. 0.012 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

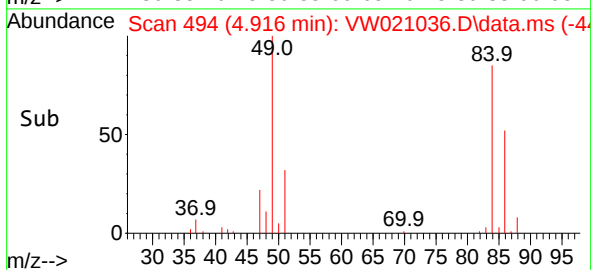
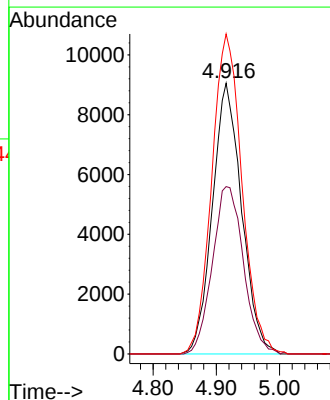
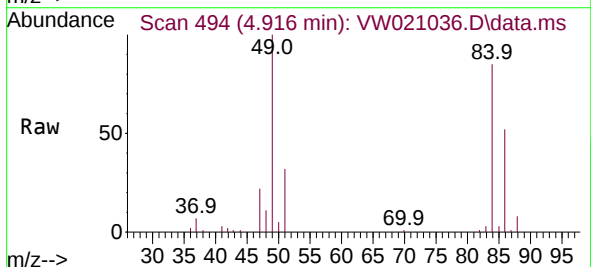
Instrument :  
MSVOA\_W  
ClientSampleId :

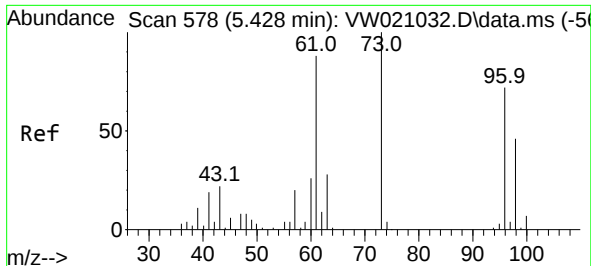
Tgt Ion: 43 Resp: 8760  
Ion Ratio Lower Upper  
43 100  
74 25.0 16.4 24.6#



#16  
Methylene chloride  
Concen: 21.354 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

Tgt Ion: 84 Resp: 29087  
Ion Ratio Lower Upper  
84 100  
86 61.8 45.5 84.5  
49 118.2 100.5 186.7





#17

trans-1,2-Dichloroethene

Concen: 21.635 ug/L

RT: 5.422 min Scan# 5

Delta R.T. -0.006 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

Instrument :

MSVOA\_W

ClientSampleId :

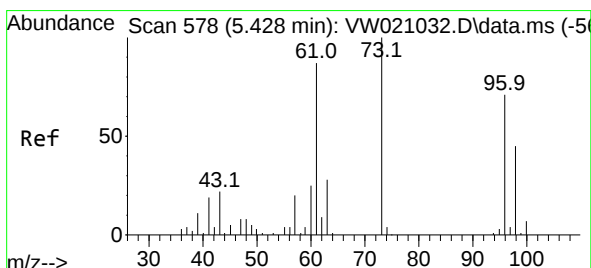
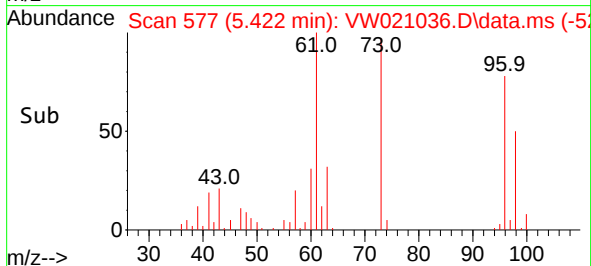
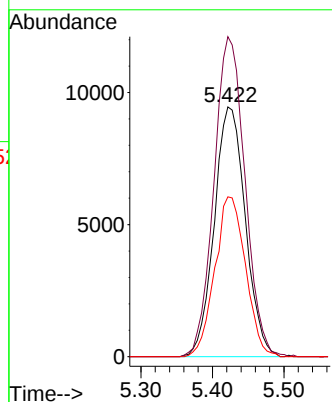
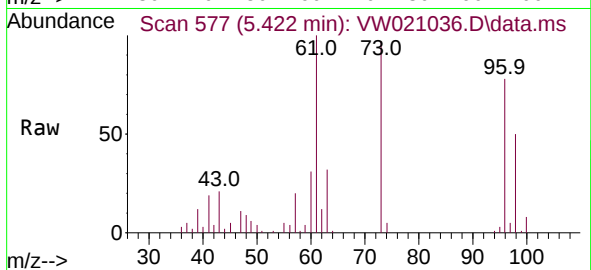
Tgt Ion: 96 Resp: 28534

Ion Ratio Lower Upper

96 100

61 128.1 107.4 199.4

98 64.0 41.2 76.6



#18

Methyl tert-butyl Ether

Concen: 22.519 ug/L

RT: 5.428 min Scan# 578

Delta R.T. -0.000 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

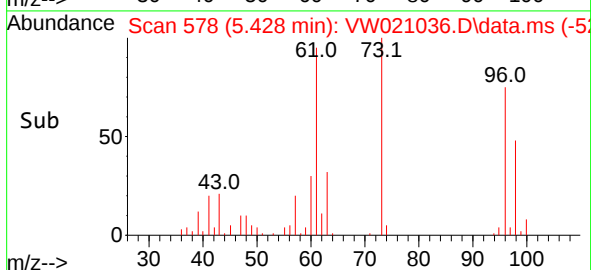
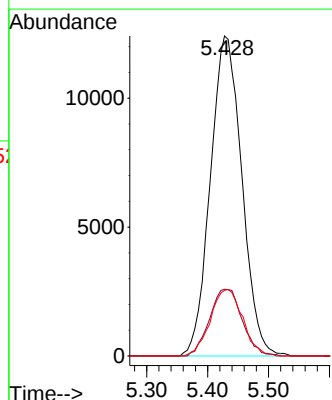
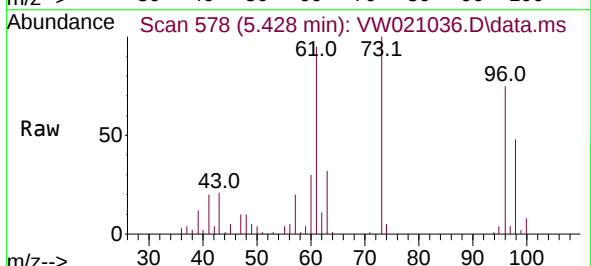
Tgt Ion: 73 Resp: 44581

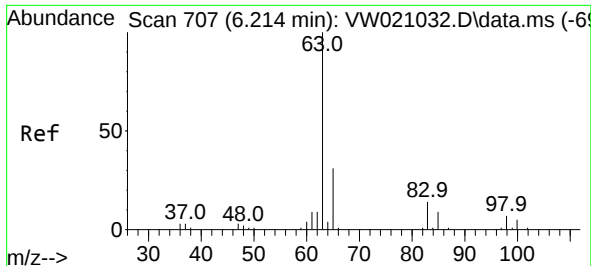
Ion Ratio Lower Upper

73 100

43 21.7 19.5 29.3

57 21.2 19.3 28.9





#19

1,1-Dichloroethane

Concen: 24.000 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.000 min

Lab File: VW021036.D

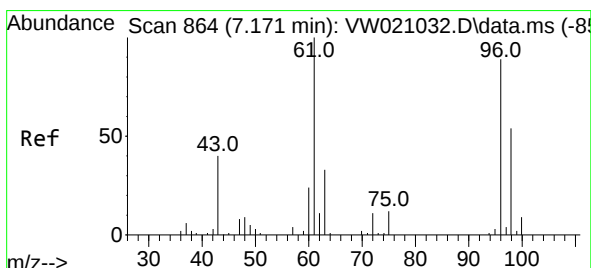
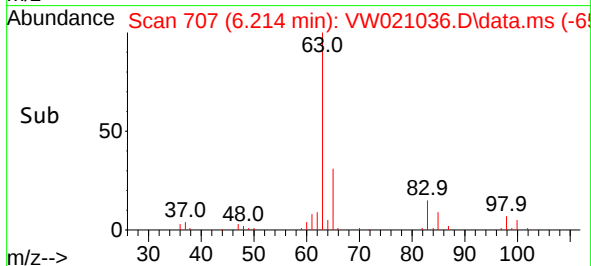
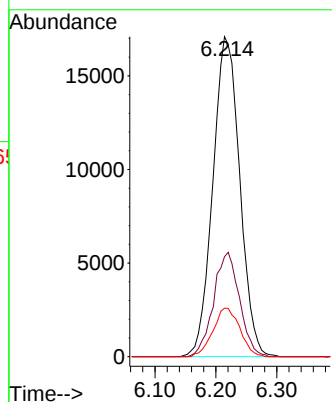
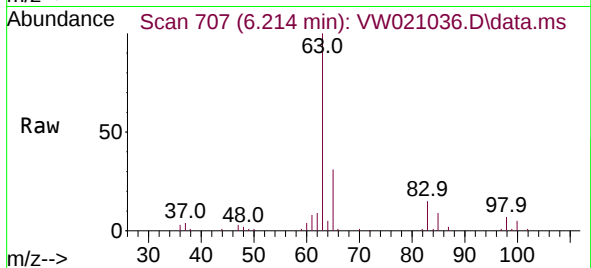
Acq: 02 Dec 2021 10:45

Instrument :

MSVOA\_W

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 52446 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 31.2     | 22.1 41.1   |
| 83 15.1     | 9.2 17.2    |



#20

cis-1,2-Dichloroethene

Concen: 22.762 ug/L

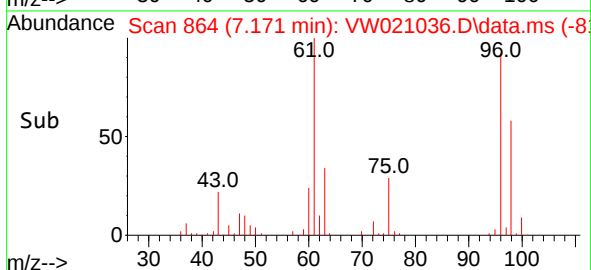
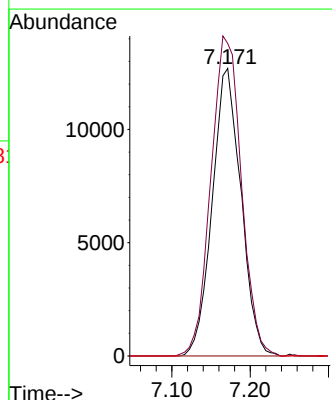
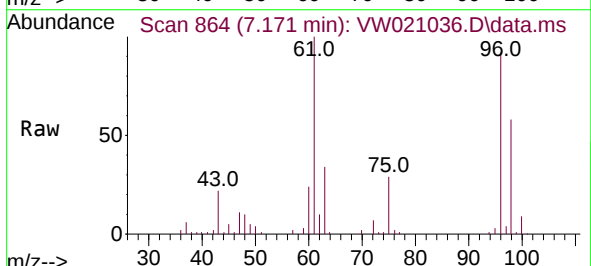
RT: 7.171 min Scan# 864

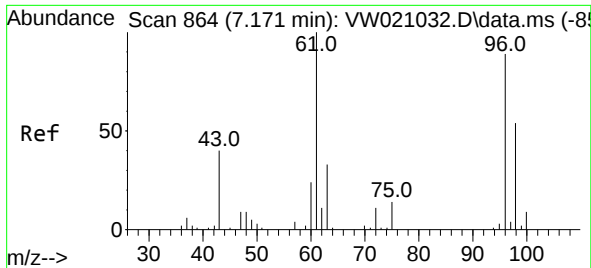
Delta R.T. -0.000 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 32355 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 108.7    | 103.7 192.7 |
| 68 0.0      | 0.0 0.0     |

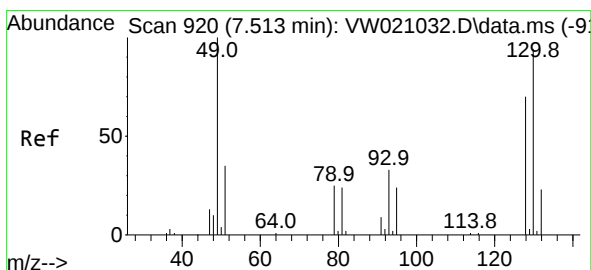
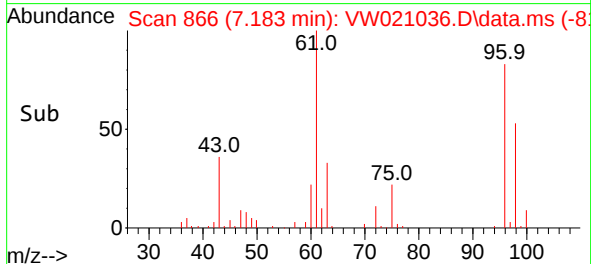
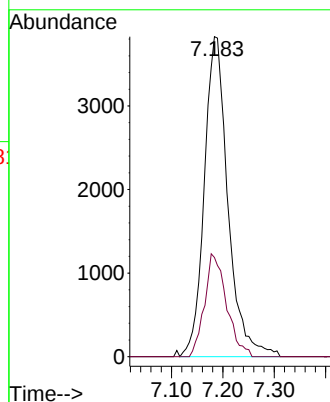
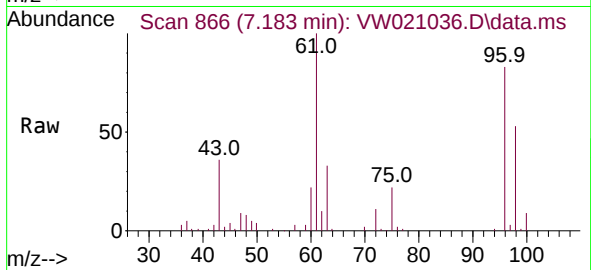




#22  
2-Butanone  
Concen: 35.702 ug/L  
RT: 7.183 min Scan# 866  
Delta R.T. 0.012 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

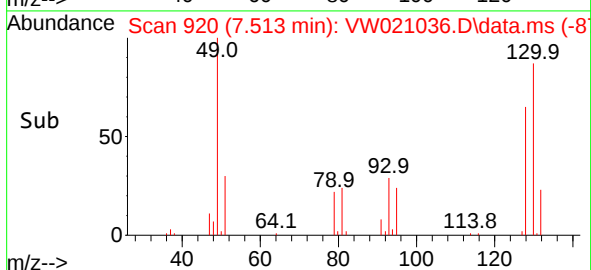
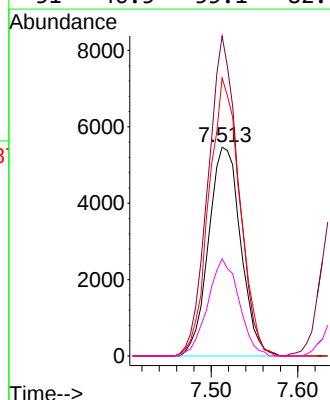
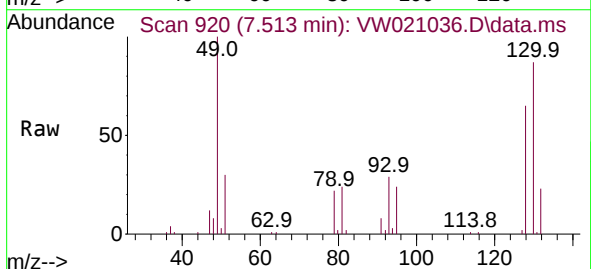
Instrument :  
MSVOA\_W  
ClientSampleId :

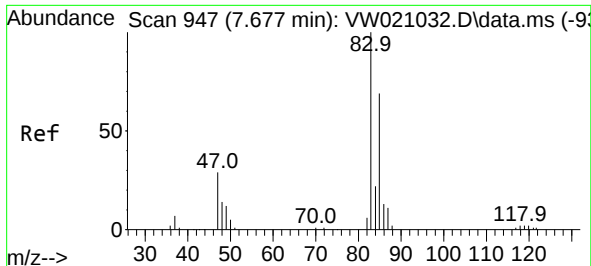
Tgt Ion: 43 Resp: 12246  
Ion Ratio Lower Upper  
43 100  
72 29.8 11.8 35.4



#23  
Bromochloromethane  
Concen: 21.667 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

Tgt Ion: 128 Resp: 14080  
Ion Ratio Lower Upper  
128 100  
49 153.2 150.3 279.1  
130 133.1 88.3 163.9  
51 46.5 55.1 82.7#

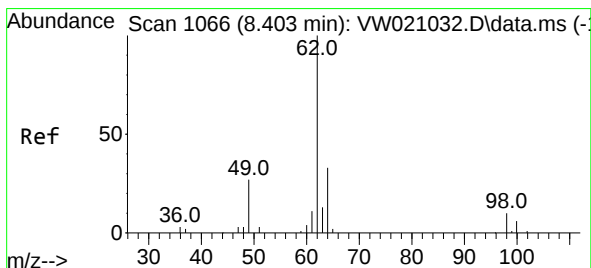
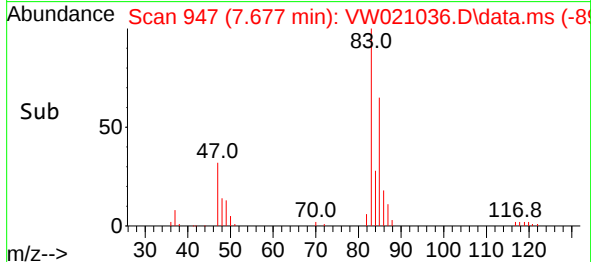
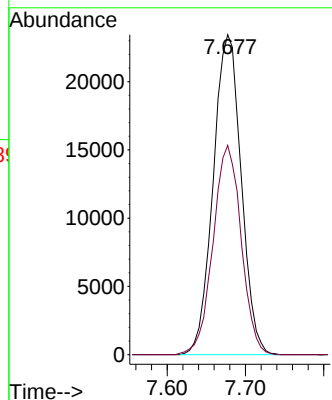
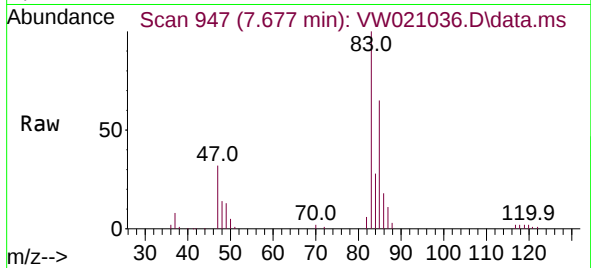




#25  
Chloroform  
Concen: 24.379 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

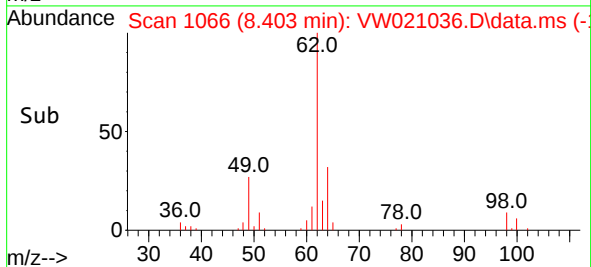
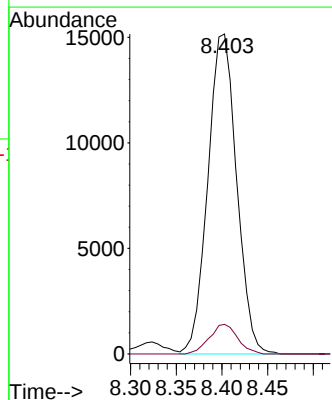
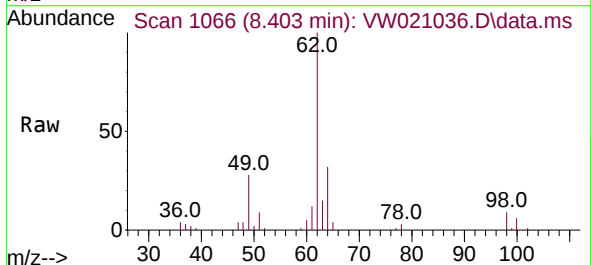
Instrument :  
MSVOA\_W  
ClientSampleId :

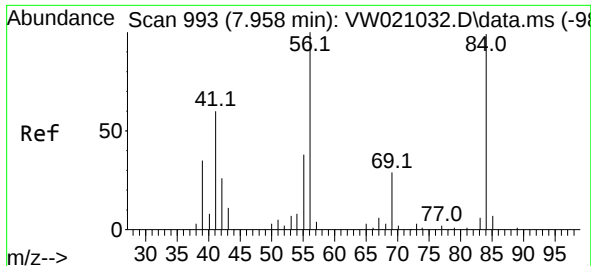
Tgt Ion: 83 Resp: 58230  
Ion Ratio Lower Upper  
83 100  
85 65.4 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 22.959 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

Tgt Ion: 62 Resp: 33205  
Ion Ratio Lower Upper  
62 100  
98 9.3 6.5 9.7

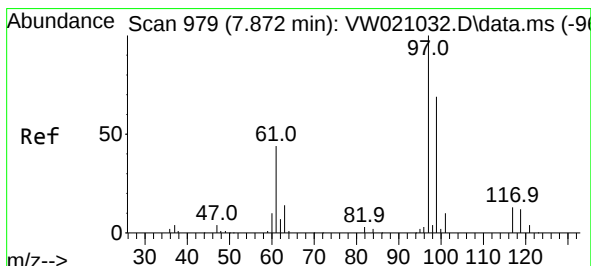
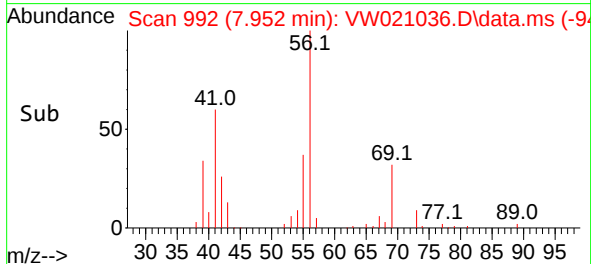
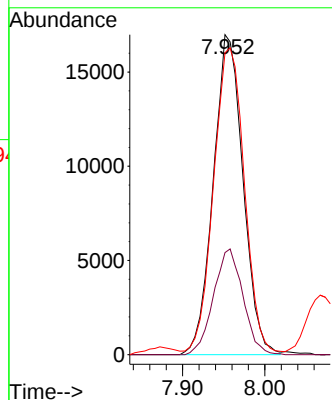
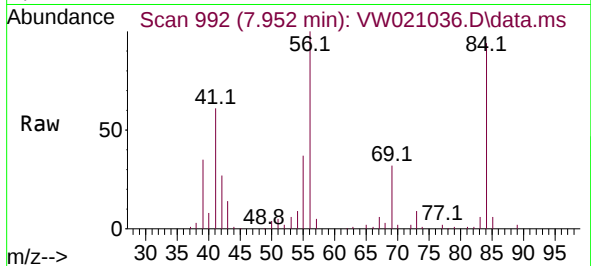




#29  
Cyclohexane  
Concen: 25.842 ug/L  
RT: 7.952 min Scan# 992  
Delta R.T. -0.006 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

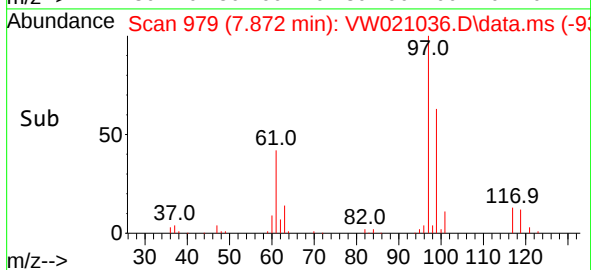
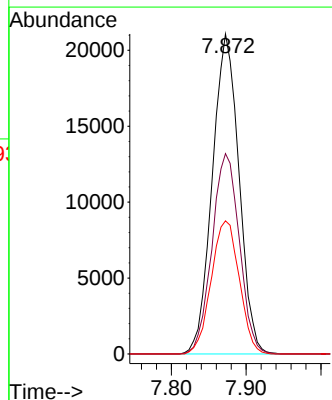
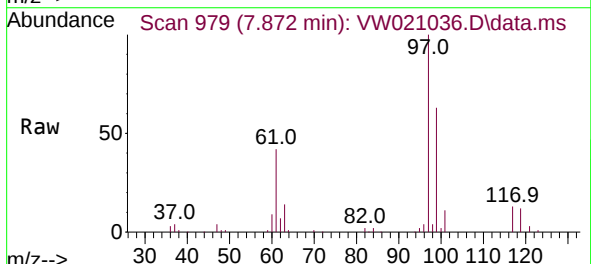
Instrument :  
MSVOA\_W  
ClientSampleId :

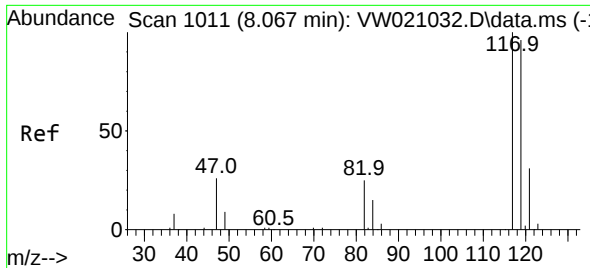
Tgt Ion: 56 Resp: 42733  
Ion Ratio Lower Upper  
56 100  
69 32.7 23.5 35.3  
84 100.2 63.4 95.2#



#30  
1,1,1-Trichloroethane  
Concen: 29.313 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

Tgt Ion: 97 Resp: 52285  
Ion Ratio Lower Upper  
97 100  
99 64.3 51.6 77.4  
61 43.8 40.9 61.3

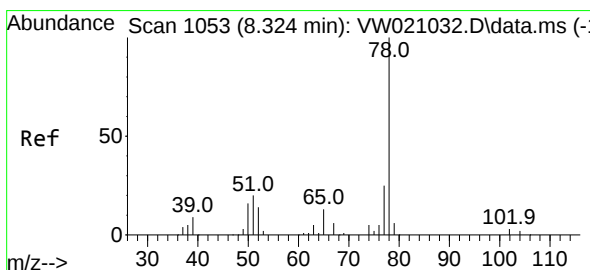
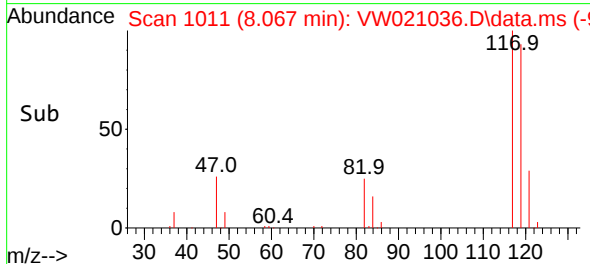
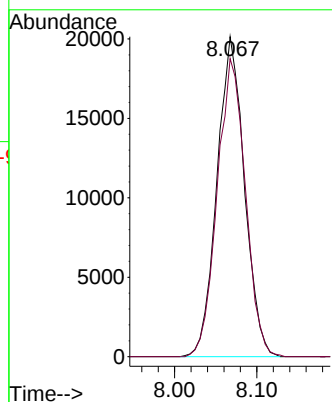
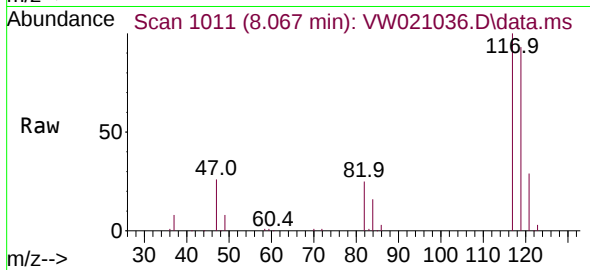




#31  
Carbon tetrachloride  
Concen: 27.680 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

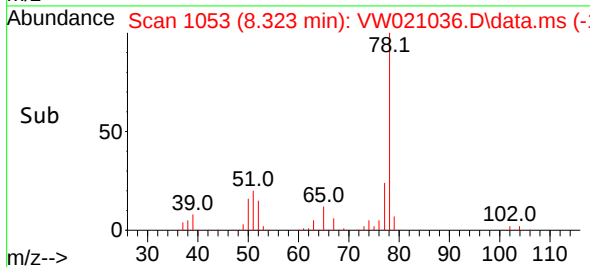
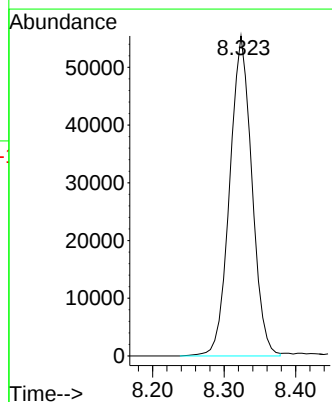
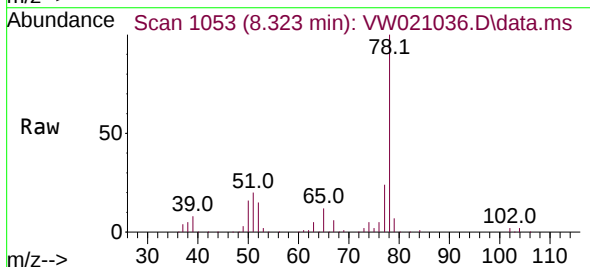
Instrument :  
MSVOA\_W  
ClientSampleId :

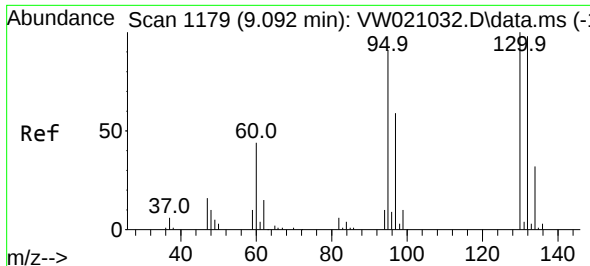
Tgt Ion:117 Resp: 46731  
Ion Ratio Lower Upper  
117 100  
119 95.6 75.7 113.5



#33  
Benzene  
Concen: 28.470 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

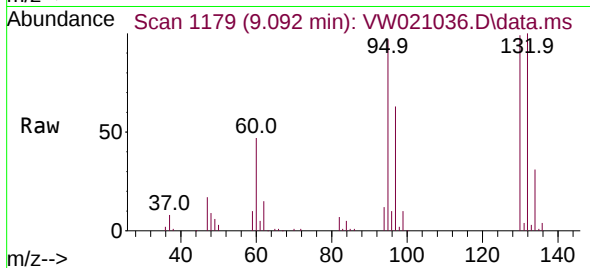
Tgt Ion: 78 Resp: 119568



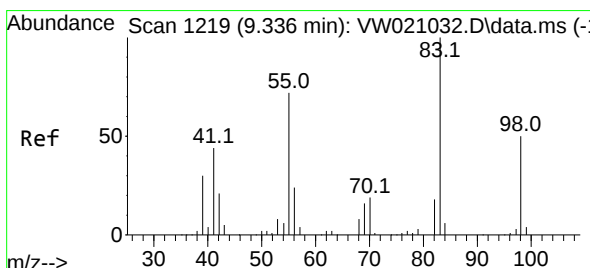
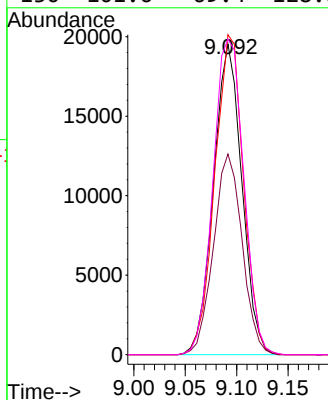
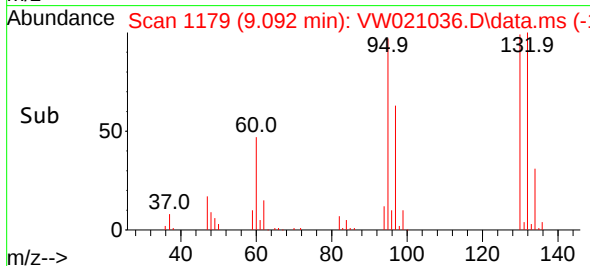


#34  
Trichloroethene  
Concen: 31.935 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

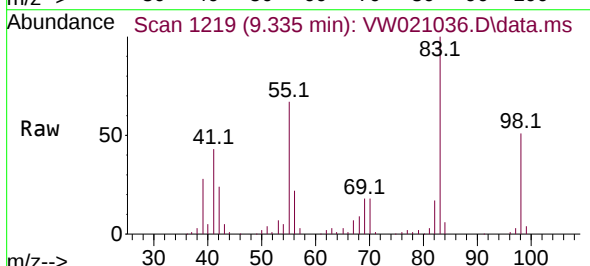
Instrument :  
MSVOA\_W  
ClientSampleId :



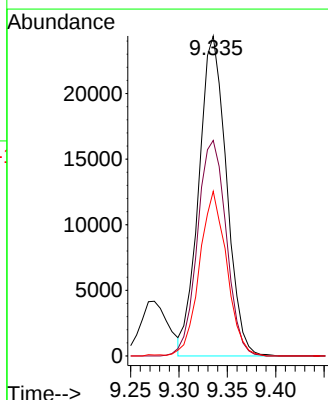
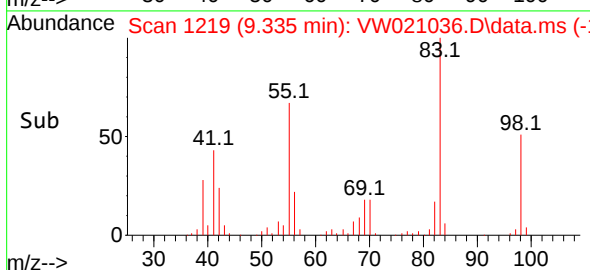
Tgt Ion: 95 Resp: 37514  
Ion Ratio Lower Upper  
95 100  
97 64.6 47.0 87.2  
132 103.0 65.5 121.6  
130 101.6 69.4 128.8

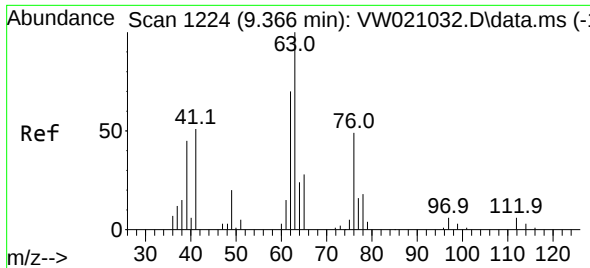


#35  
Methylcyclohexane  
Concen: 25.088 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45



Tgt Ion: 83 Resp: 48589  
Ion Ratio Lower Upper  
83 100  
55 70.0 70.8 106.2#  
98 50.6 37.7 56.5

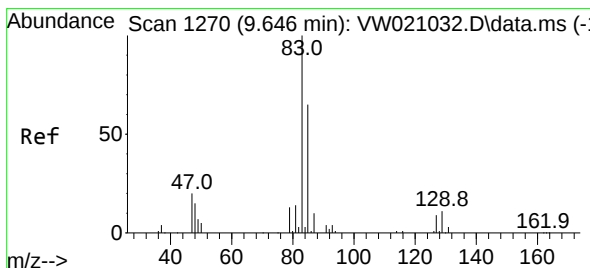
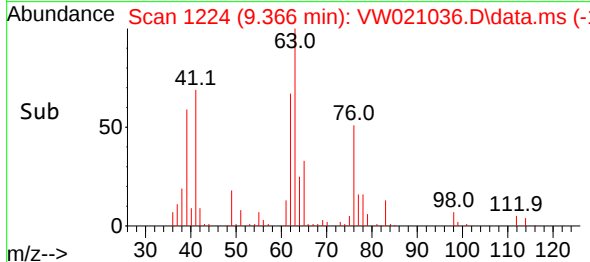
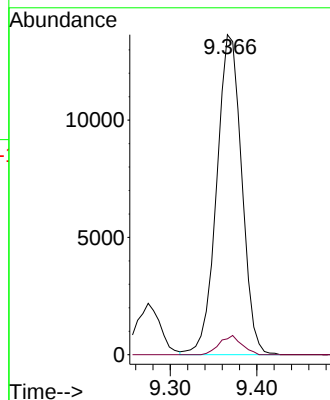
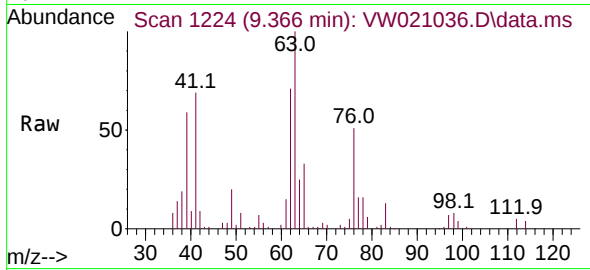




#37  
1,2-Dichloropropane  
Concen: 28.078 ug/L  
RT: 9.366 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

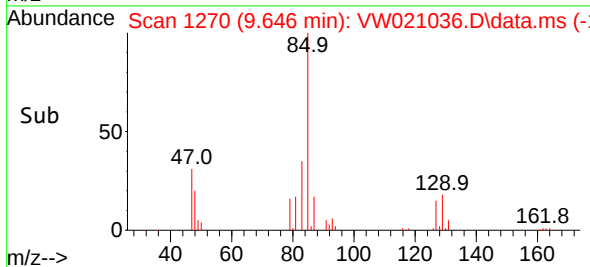
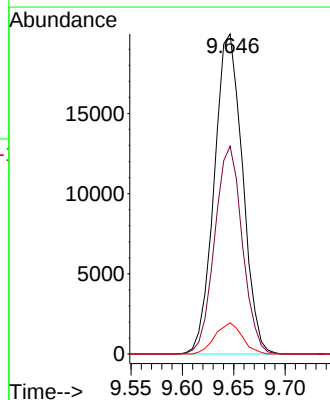
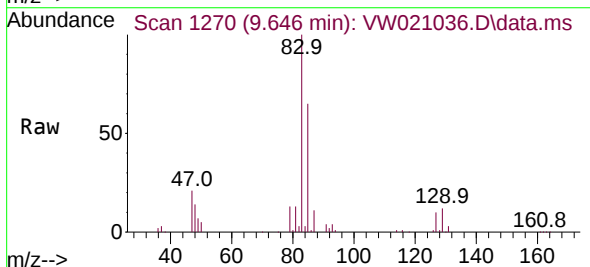
Instrument :  
MSVOA\_W  
ClientSampleId :

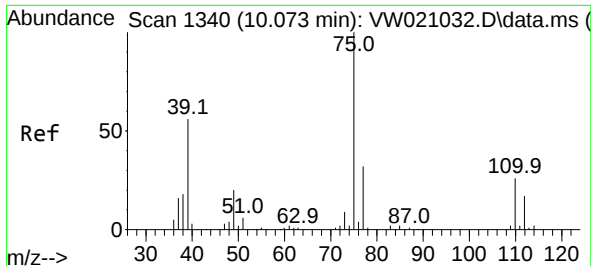
Tgt Ion: 63 Resp: 27444  
Ion Ratio Lower Upper  
63 100  
112 5.3 3.2 4.8#



#38  
Bromodichloromethane  
Concen: 27.217 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

Tgt Ion: 83 Resp: 38176  
Ion Ratio Lower Upper  
83 100  
85 64.9 44.1 81.9  
127 9.8 6.1 9.1#





#39

cis-1,3-Dichloropropene

Concen: 25.005 ug/L

RT: 10.073 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

Instrument :

MSVOA\_W

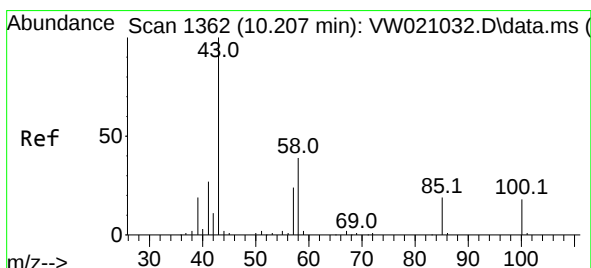
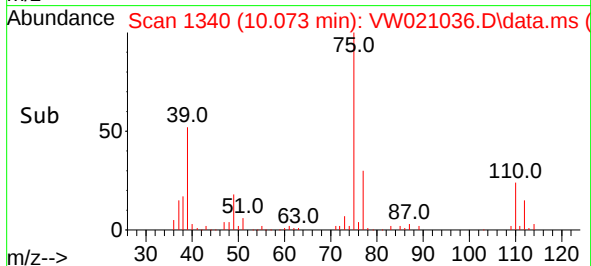
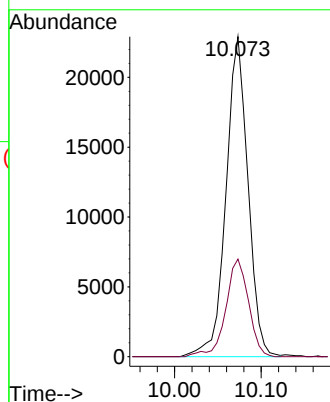
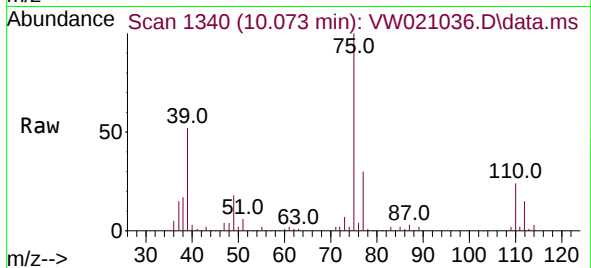
ClientSampleId :

Tgt Ion: 75 Resp: 40352

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 48.316 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

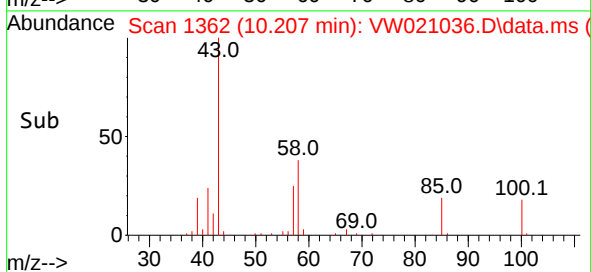
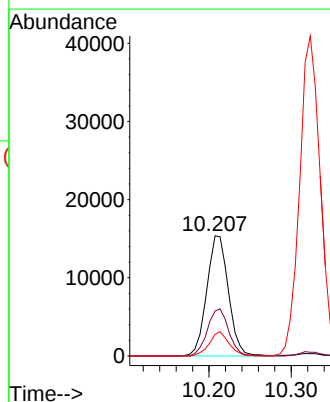
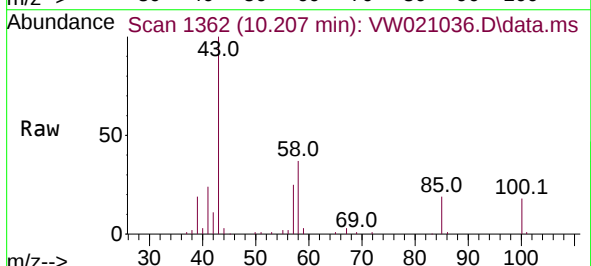
Tgt Ion: 43 Resp: 28108

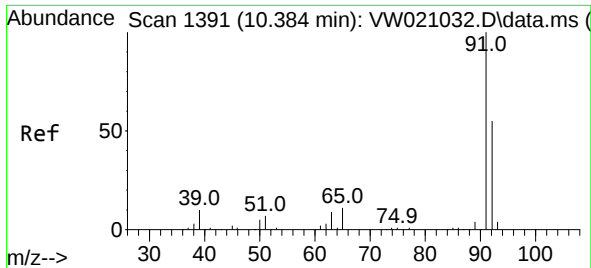
Ion Ratio Lower Upper

43 100

58 38.5 28.8 43.2

100 18.2 10.0 15.0#

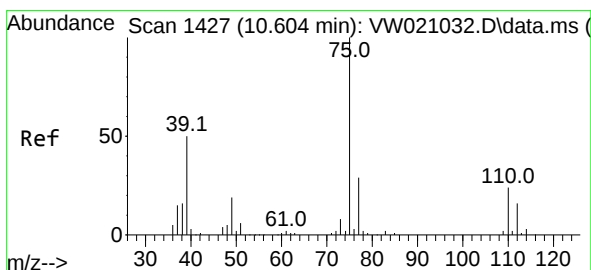
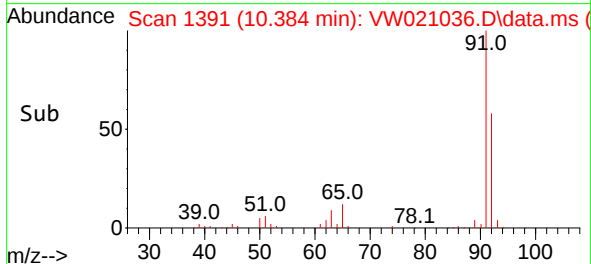
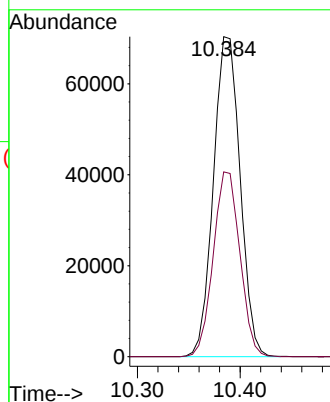
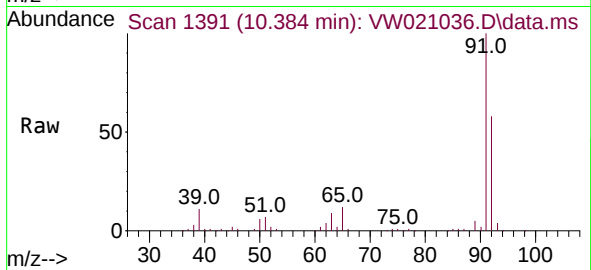




#42  
Toluene  
Concen: 26.884 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

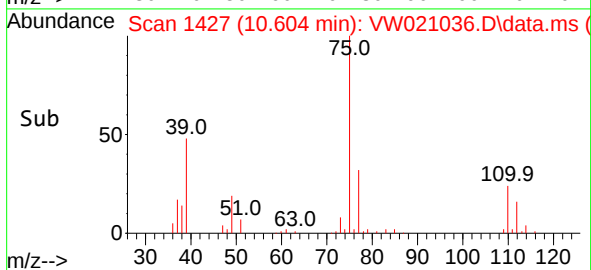
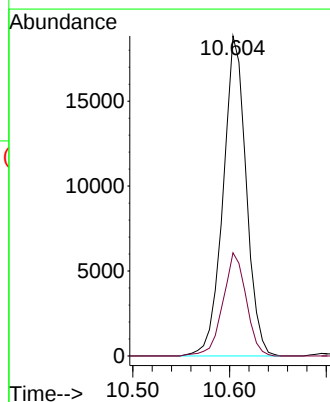
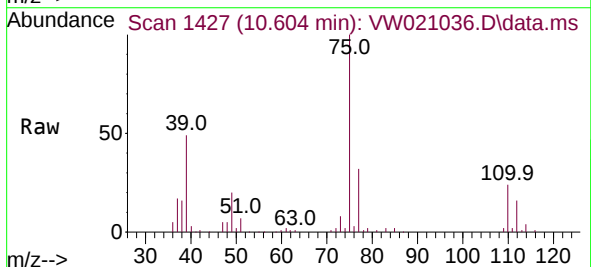
Instrument :  
MSVOA\_W  
ClientSampleId :

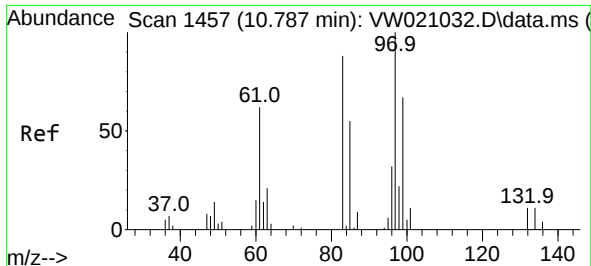
Tgt Ion: 91 Resp: 126995  
Ion Ratio Lower Upper  
91 100  
92 57.8 41.7 77.5



#44  
trans-1,3-Dichloropropene  
Concen: 21.995 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

Tgt Ion: 75 Resp: 31195  
Ion Ratio Lower Upper  
75 100  
77 32.2 22.2 41.2

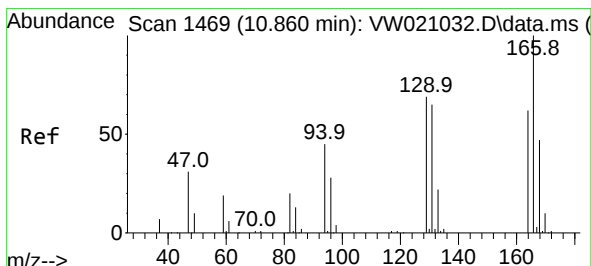
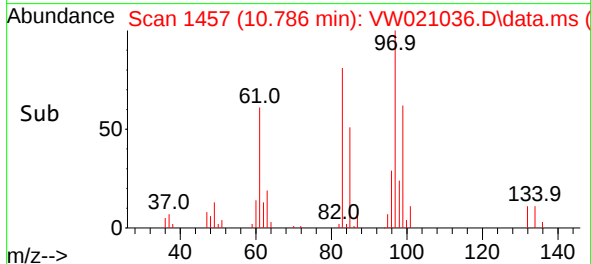
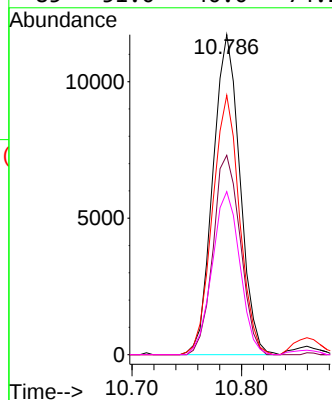
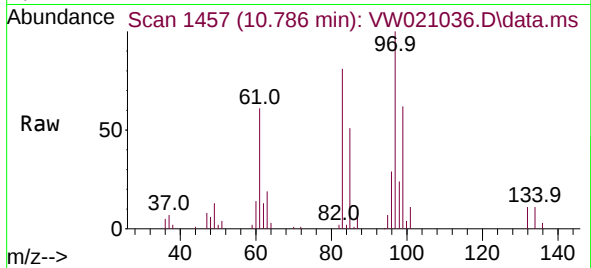




#45  
1,1,2-Trichloroethane  
Concen: 26.399 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

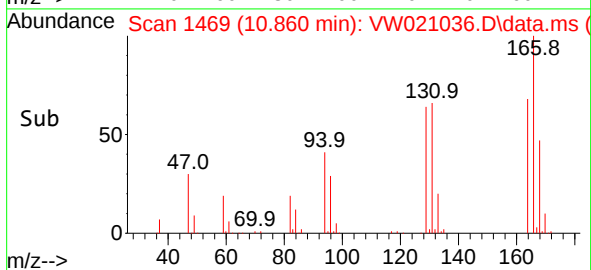
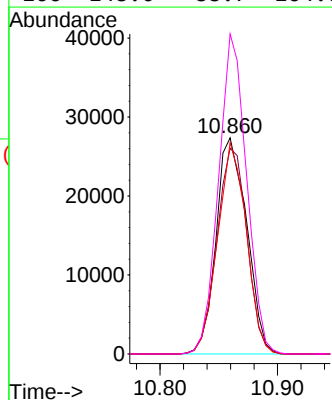
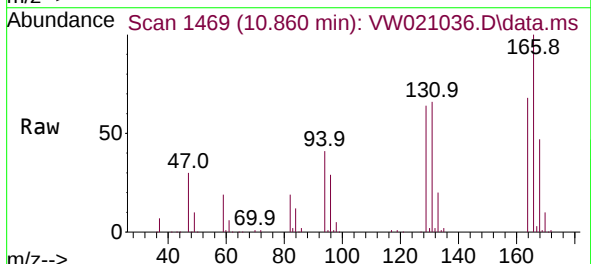
Instrument :  
MSVOA\_W  
ClientSampleId :

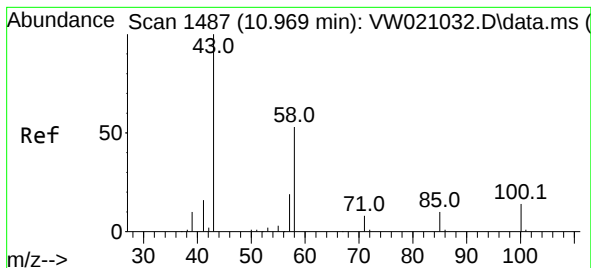
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 20068 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.3  | 43.0  | 79.8  |
| 83       | 81.1  | 62.6  | 116.3 |
| 85       | 51.0  | 40.0  | 74.2  |



#46  
Tetrachloroethene  
Concen: 46.007 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 49621 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 95.1  | 65.5  | 121.7 |
| 131      | 97.7  | 59.7  | 110.9 |
| 166      | 148.0 | 88.7  | 164.7 |

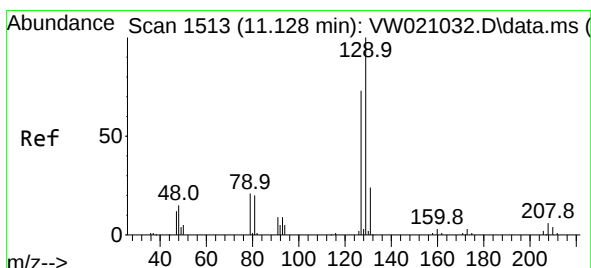
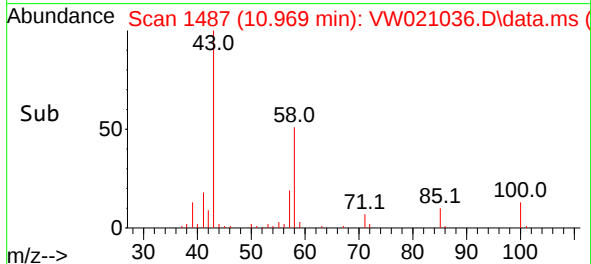
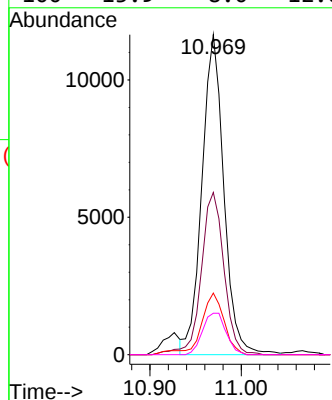
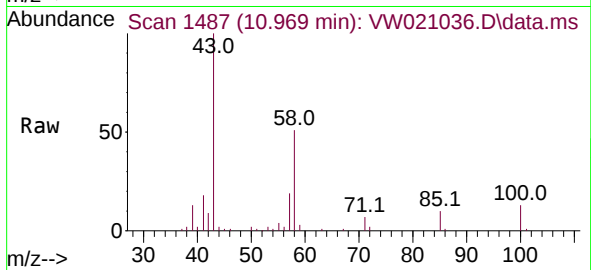




#48  
2-Hexanone  
Concen: 48.148 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

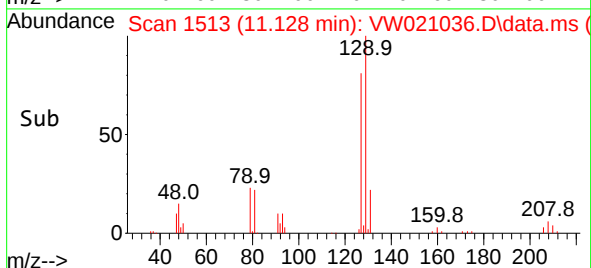
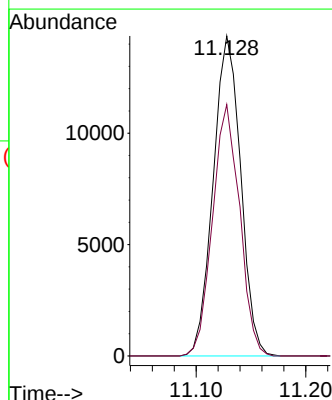
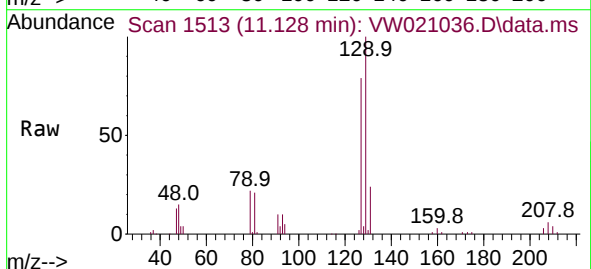
Instrument :  
MSVOA\_W  
ClientSampleId :

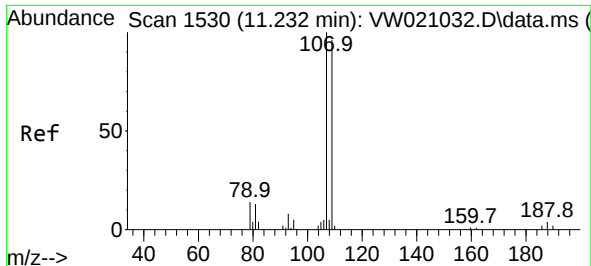
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 19402 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 52.3  | 40.2  | 60.2  |
| 57       | 18.8  | 14.3  | 21.5  |
| 100      | 13.9  | 8.0   | 12.0  |



#49  
Dibromochloromethane  
Concen: 23.911 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 25059 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 78.6  | 55.7  | 103.5 |





#50

1,2-Dibromoethane

Concen: 22.332 ug/L

RT: 11.238 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW021036.D

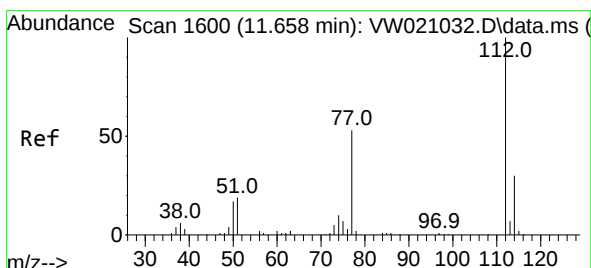
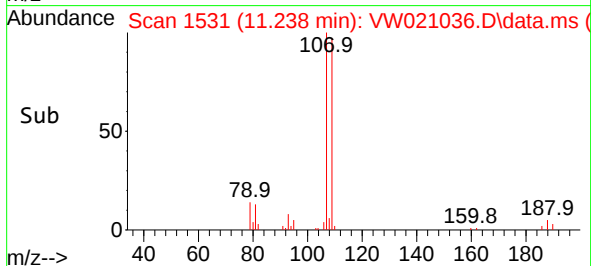
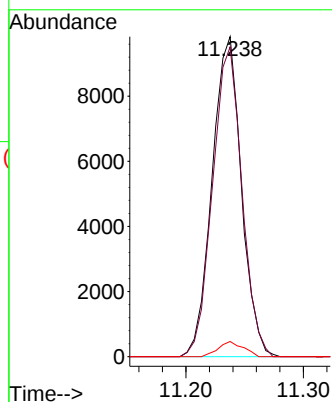
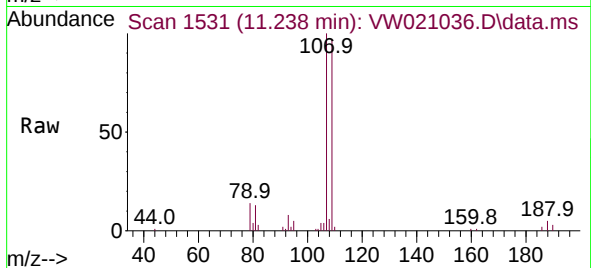
Acq: 02 Dec 2021 10:45

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 17020      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 96.8  | 64.1 119.1 |
| 188         | 4.7   | 2.6 3.8#   |



#51

Chlorobenzene

Concen: 21.861 ug/L

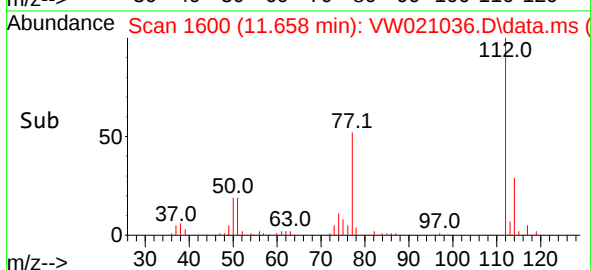
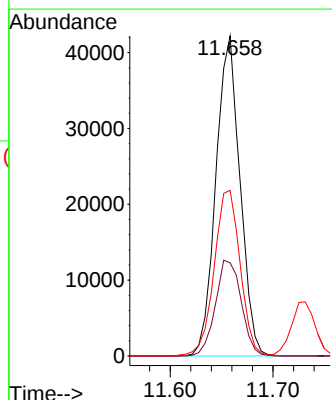
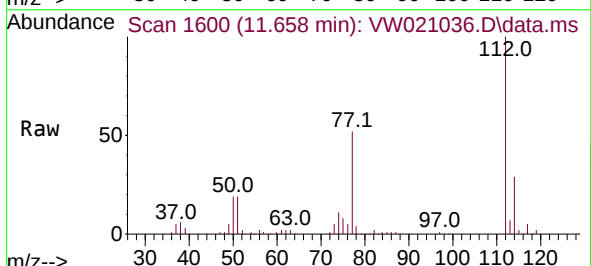
RT: 11.658 min Scan# 1600

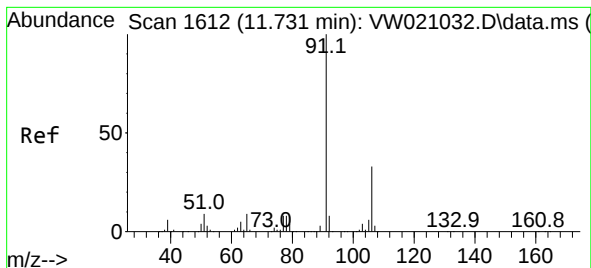
Delta R.T. -0.000 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 68682     |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 29.1  | 22.4 41.6 |
| 77          | 51.8  | 50.2 75.4 |

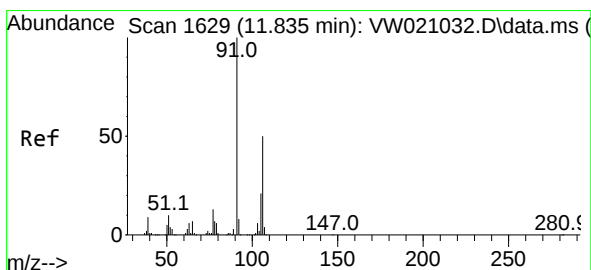
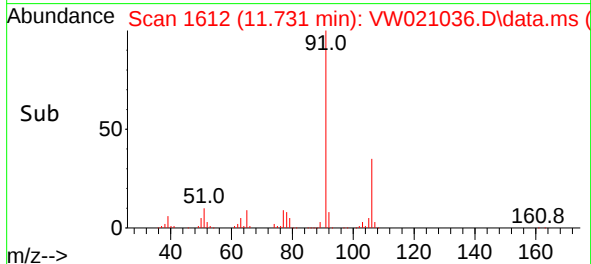
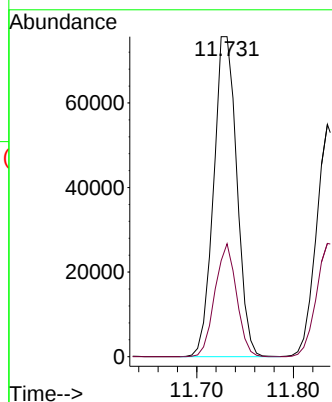
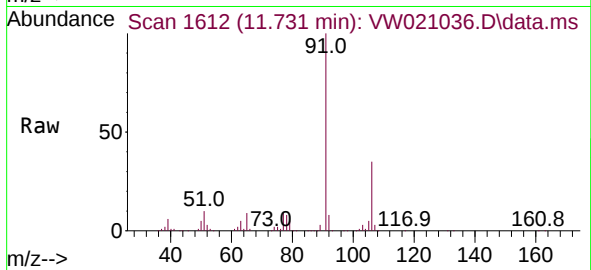




#52  
Ethylbenzene  
Concen: 24.101 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

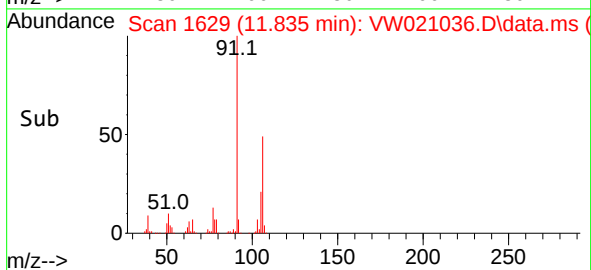
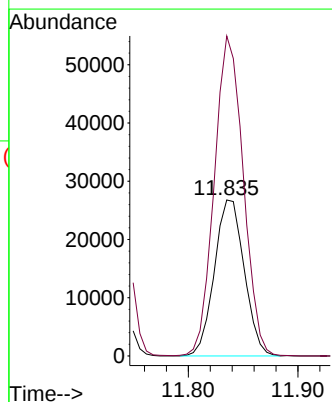
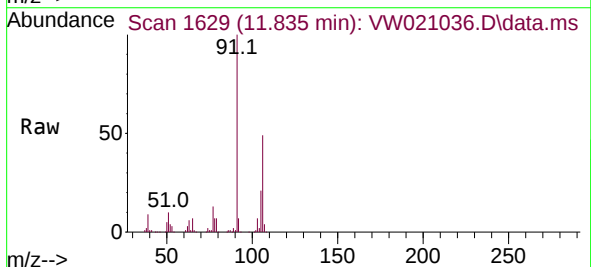
Instrument :  
MSVOA\_W  
ClientSampleId :

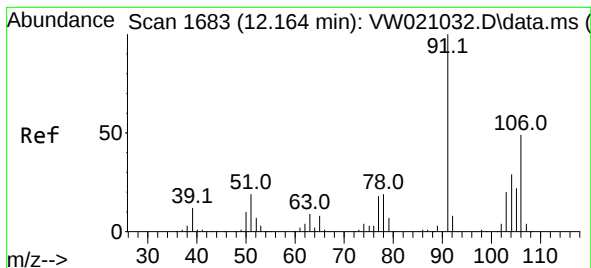
Tgt Ion: 91 Resp: 126160  
Ion Ratio Lower Upper  
91 100  
106 35.3 21.5 39.9



#53  
m,p-Xylene  
Concen: 23.705 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

Tgt Ion: 106 Resp: 50661  
Ion Ratio Lower Upper  
106 100  
91 205.2 149.9 278.3





#54

o-Xylene

Concen: 23.756 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

Instrument :

MSVOA\_W

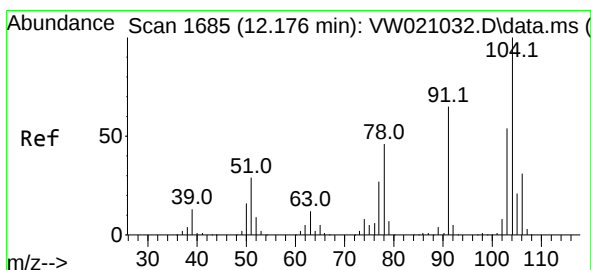
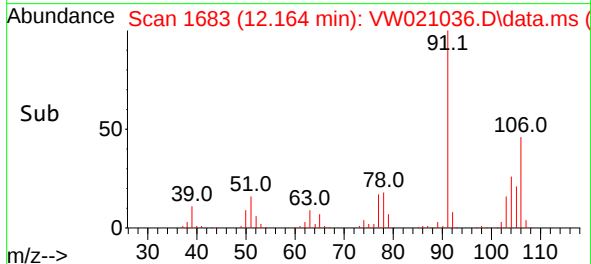
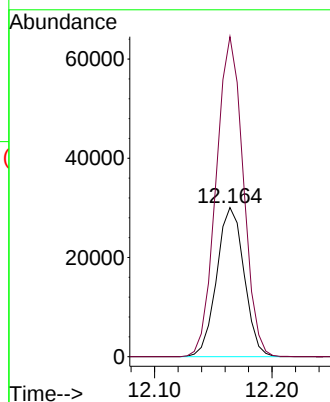
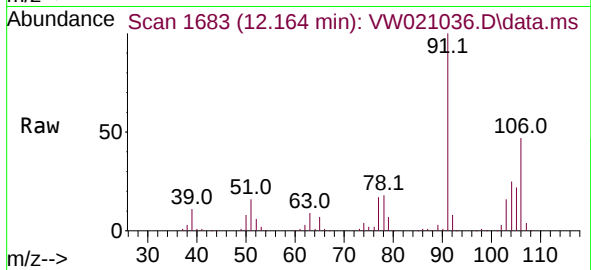
ClientSampleId :

Tgt Ion:106 Resp: 48759

Ion Ratio Lower Upper

106 100

91 214.5 153.6 285.3



#55

Styrene

Concen: 19.375 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VW021036.D

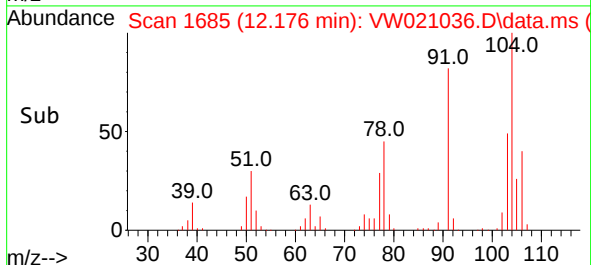
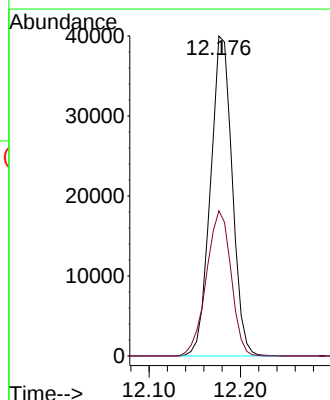
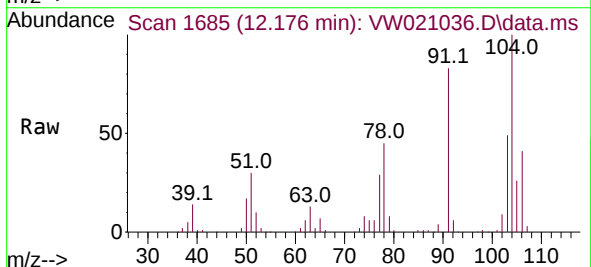
Acq: 02 Dec 2021 10:45

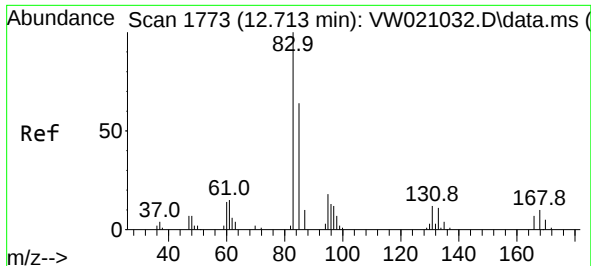
Tgt Ion:104 Resp: 66031

Ion Ratio Lower Upper

104 100

78 45.4 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 23.841 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VW021036.D

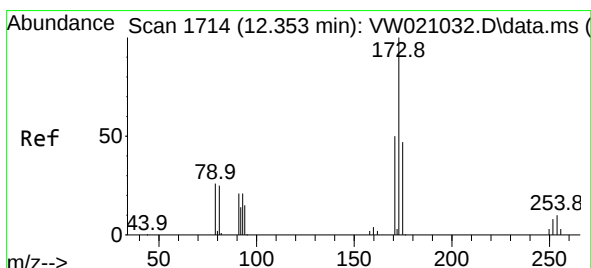
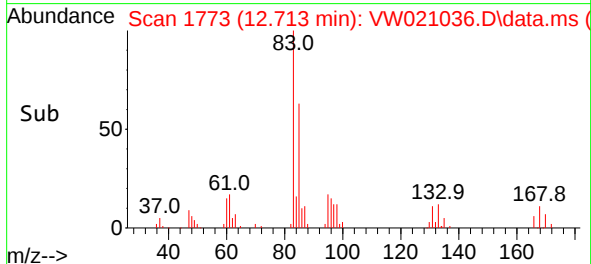
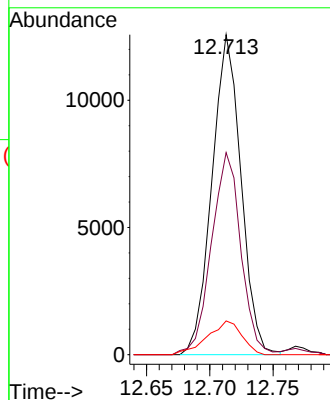
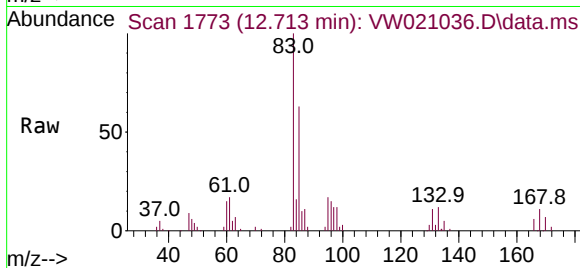
Acq: 02 Dec 2021 10:45

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 20087 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.1  | 44.0  | 81.6  |
| 131      | 10.5  | 6.9   | 10.3  |



#59

Bromoform

Concen: 34.411 ug/L

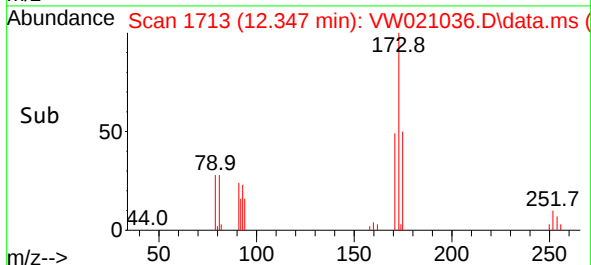
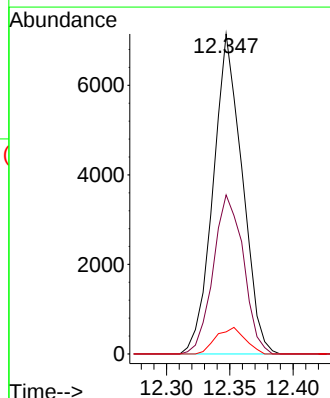
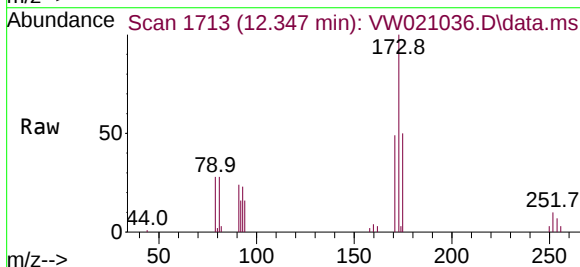
RT: 12.347 min Scan# 1713

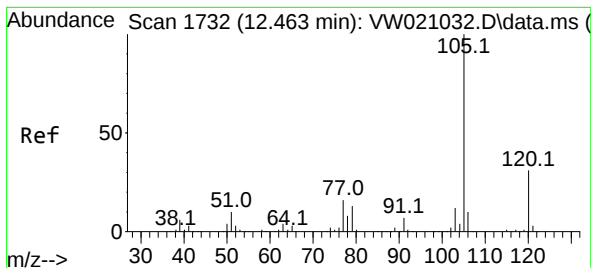
Delta R.T. -0.006 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 11411 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 51.7  | 39.6  | 59.4  |
| 254      | 8.3   | 7.4   | 11.0  |





#60

Isopropylbenzene

Concen: 43.017 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. -0.000 min

Lab File: VW021036.D

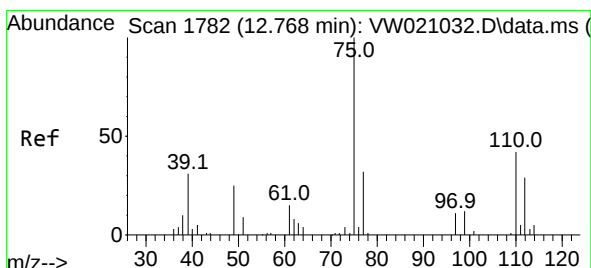
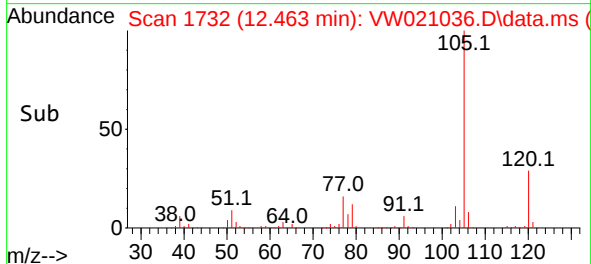
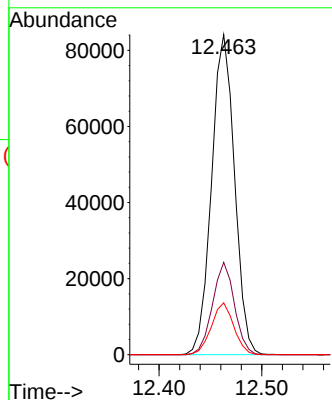
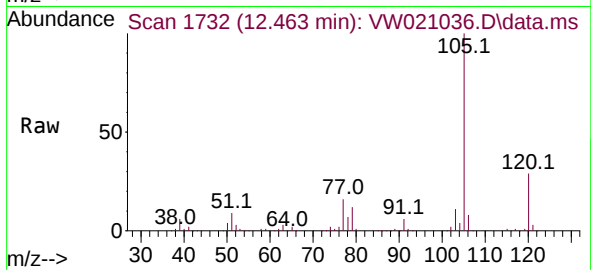
Acq: 02 Dec 2021 10:45

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 130306 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 27.6  | 20.1  | 30.1   |
| 77       | 15.9  | 13.8  | 20.8   |



#61

1,2,3-Trichloropropane

Concen: 43.955 ug/L

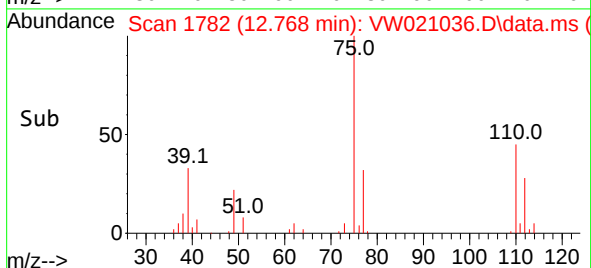
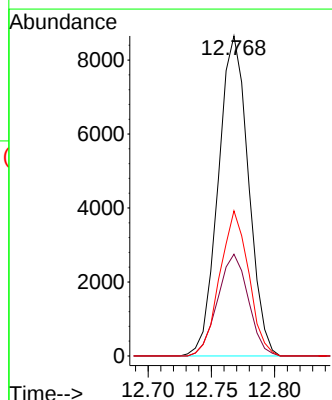
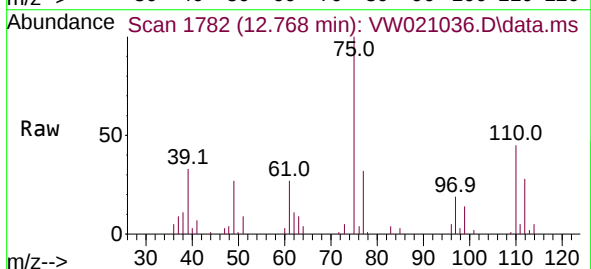
RT: 12.768 min Scan# 1782

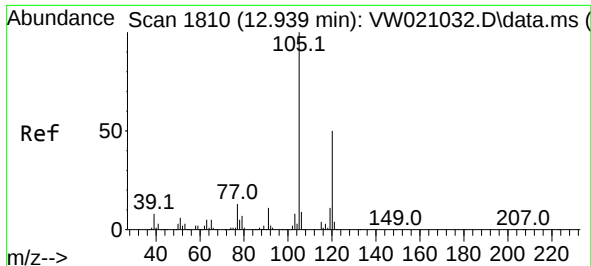
Delta R.T. -0.000 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 14339 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.2  | 25.8  | 38.8  |
| 110      | 43.4  | 29.0  | 43.4  |





#62

1,3,5-Trimethylbenzene

Concen: 40.717 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

Instrument :

MSVOA\_W

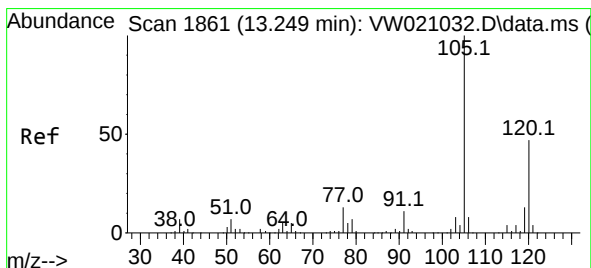
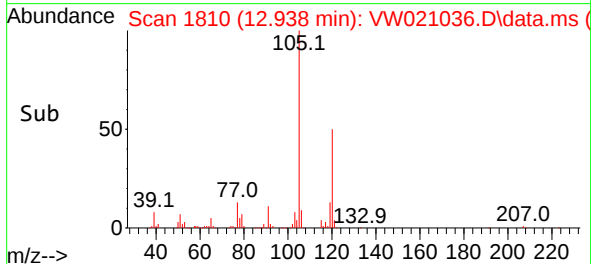
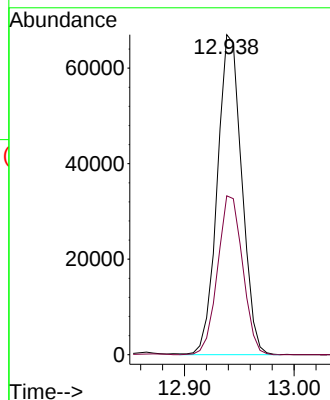
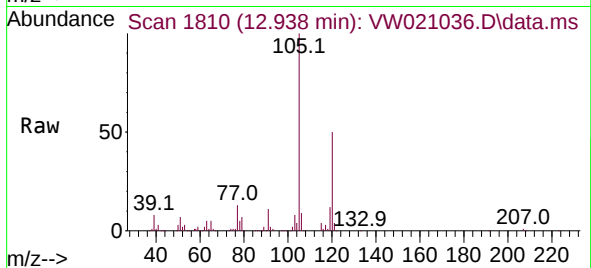
ClientSampleId :

Tgt Ion:105 Resp: 104046

Ion Ratio Lower Upper

105 100

120 50.7 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 36.801 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021036.D

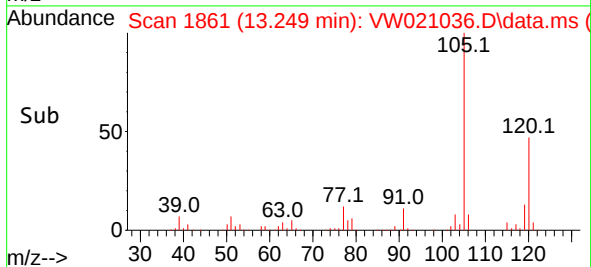
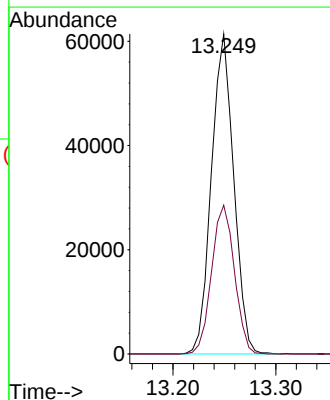
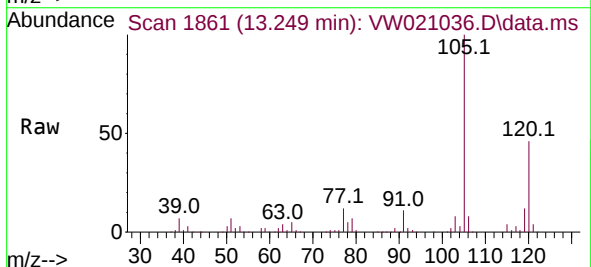
Acq: 02 Dec 2021 10:45

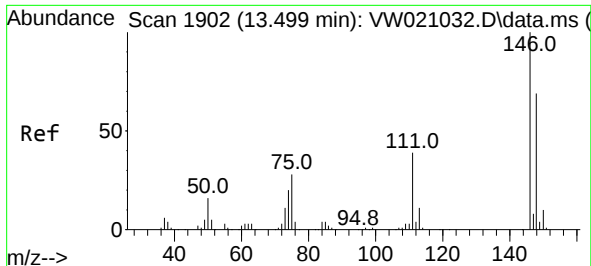
Tgt Ion:105 Resp: 92782

Ion Ratio Lower Upper

105 100

120 47.4 35.0 52.6

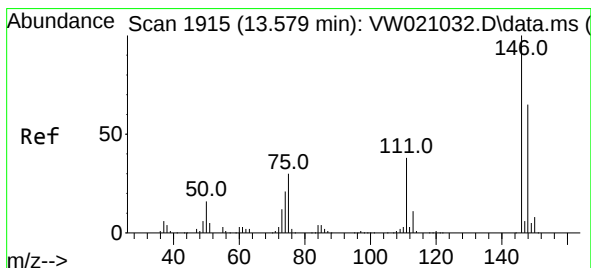
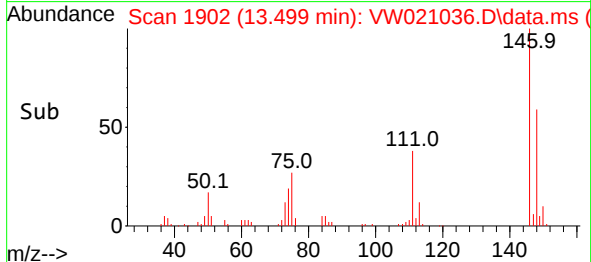
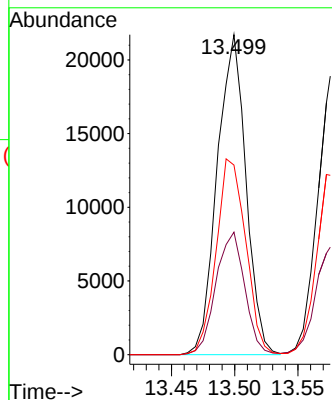
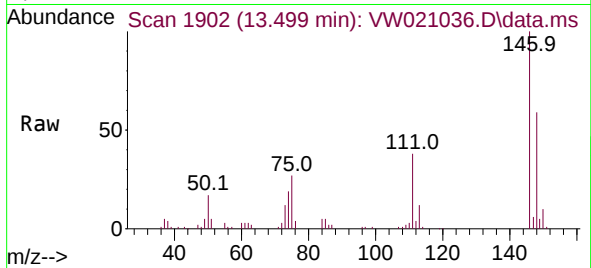




#64  
1,3-Dichlorobenzene  
Concen: 24.157 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

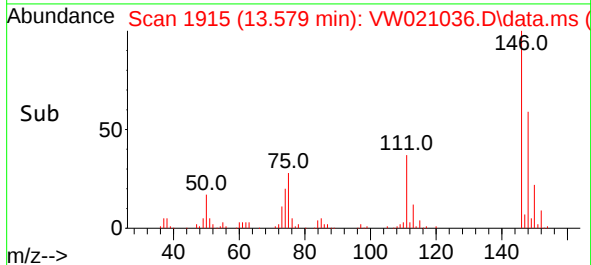
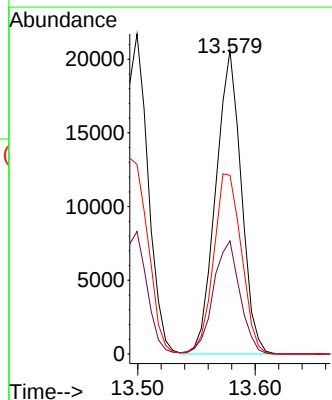
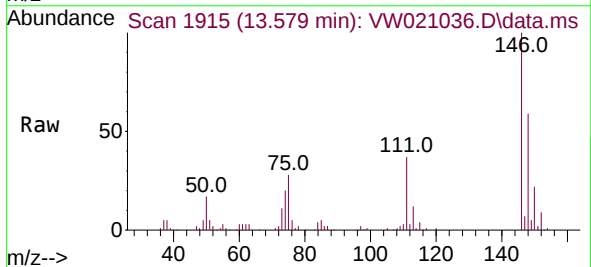
Instrument :  
MSVOA\_W  
ClientSampleId :

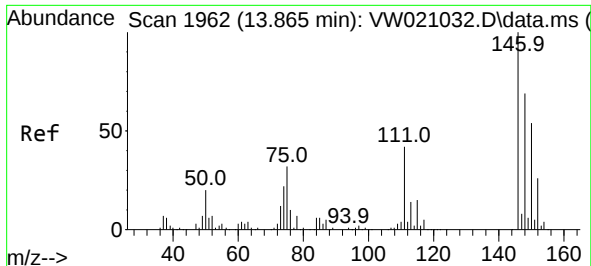
Tgt Ion:146 Resp: 34307  
Ion Ratio Lower Upper  
146 100  
111 38.3 29.8 55.3  
148 59.2 46.2 85.8



#65  
1,4-Dichlorobenzene  
Concen: 21.707 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW021036.D  
Acq: 02 Dec 2021 10:45

Tgt Ion:146 Resp: 31097  
Ion Ratio Lower Upper  
146 100  
111 37.3 29.0 53.9  
148 58.9 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 25.106 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

Instrument :

MSVOA\_W

ClientSampleId :

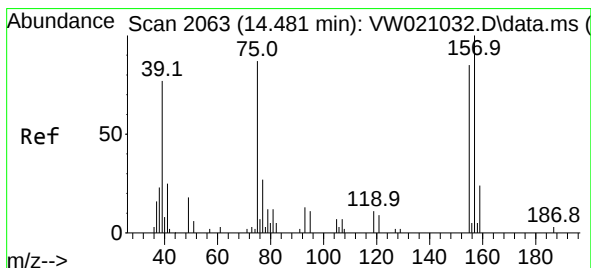
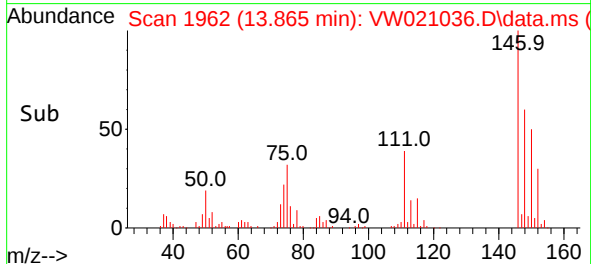
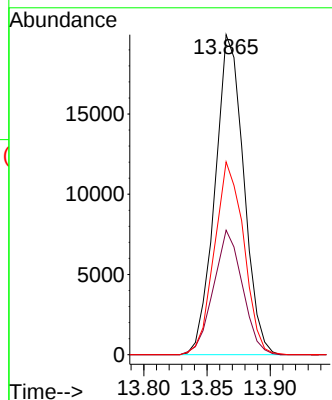
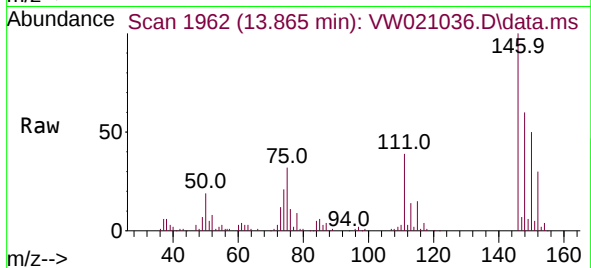
Tgt Ion:146 Resp: 31419

Ion Ratio Lower Upper

146 100

111 38.9 33.1 49.7

148 60.2 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 30.029 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

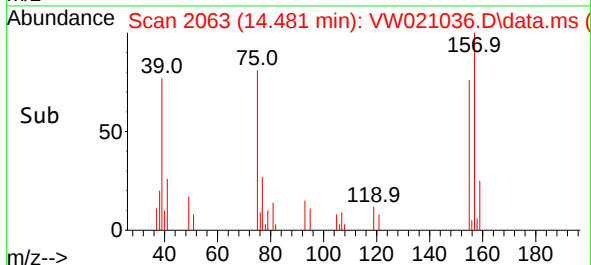
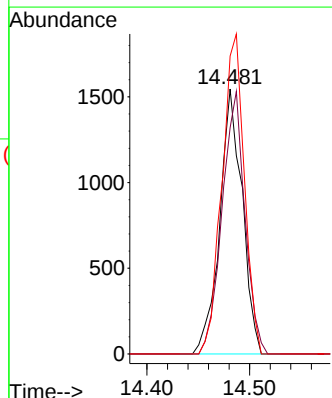
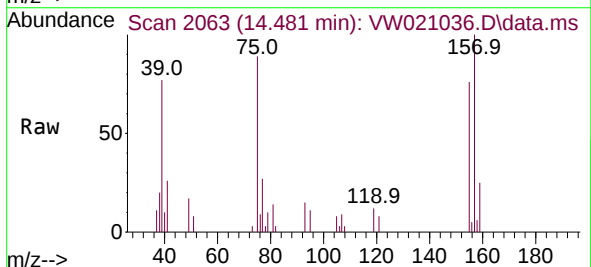
Tgt Ion: 75 Resp: 2342

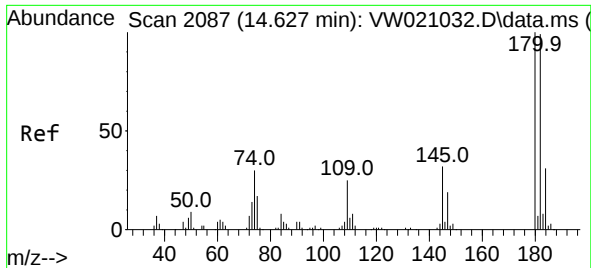
Ion Ratio Lower Upper

75 100

155 85.4 54.2 81.2#

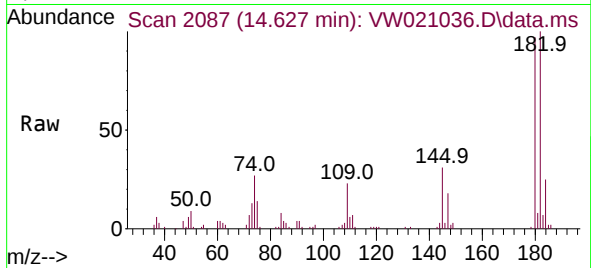
157 112.4 69.4 104.2#



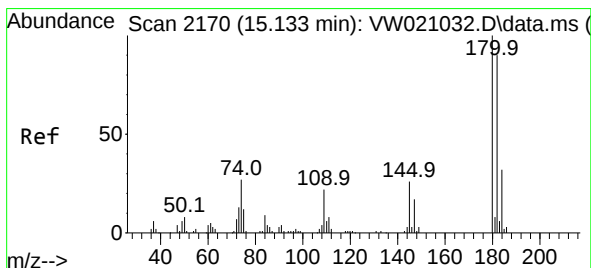
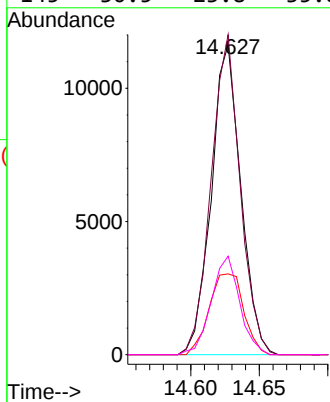
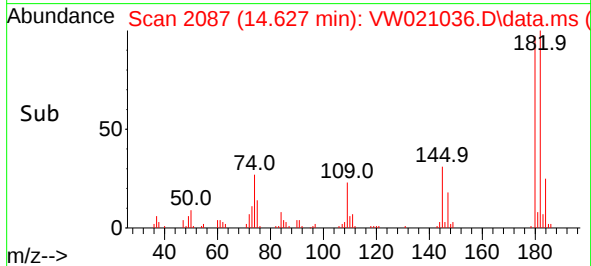


#69  
 1,3,5-Trichlorobenzene  
 Concen: 15.520 ug/L  
 RT: 14.627 min Scan# 2087  
 Delta R.T. -0.000 min  
 Lab File: VW021036.D  
 Acq: 02 Dec 2021 10:45

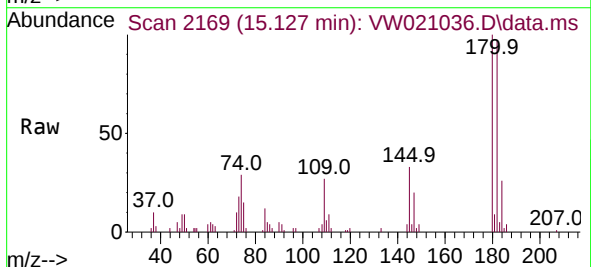
Instrument :  
 MSVOA\_W  
 ClientSampleId :



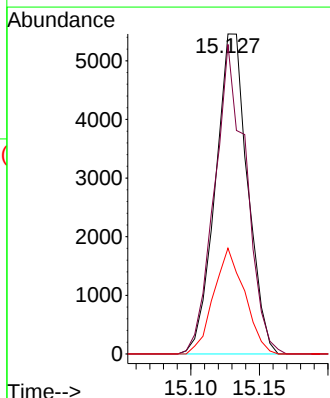
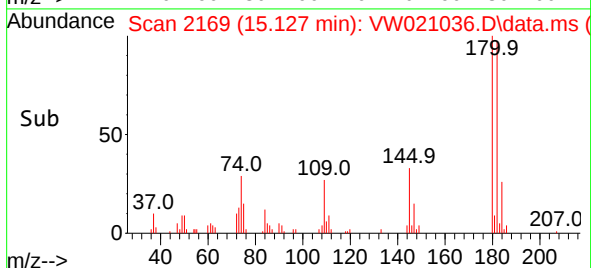
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 17457      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 101.1 | 75.4 113.0 |
| 184         | 30.5  | 23.8 35.8  |
| 145         | 30.5  | 23.8 35.8  |

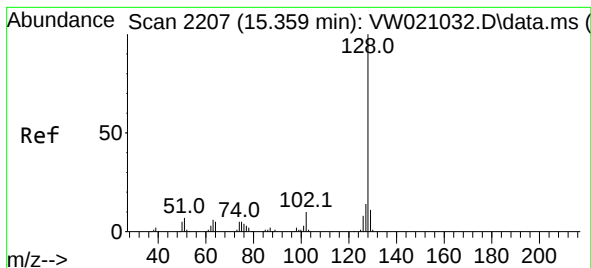


#70  
 1,2,4-trichlorobenzene  
 Concen: 9.698 ug/L  
 RT: 15.127 min Scan# 2169  
 Delta R.T. -0.006 min  
 Lab File: VW021036.D  
 Acq: 02 Dec 2021 10:45



|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 8924       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.3  | 79.0 118.6 |
| 145         | 31.9  | 26.0 39.0  |





#71

Naphthalene

Concen: 12.999 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. -0.000 min

Lab File: VW021036.D

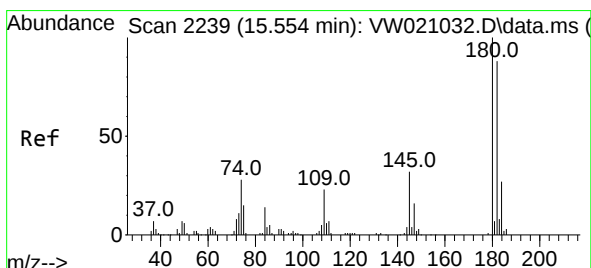
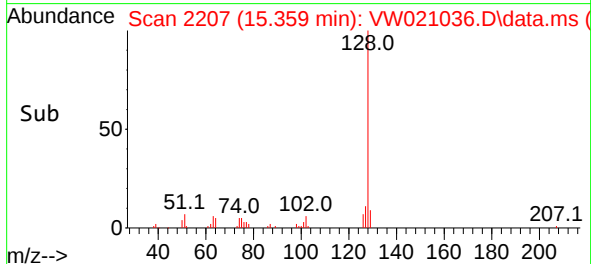
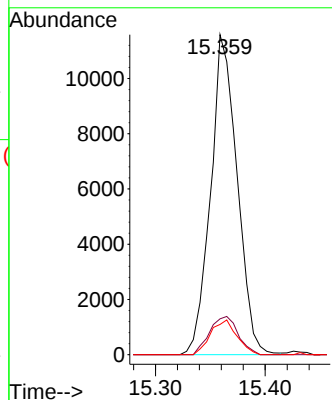
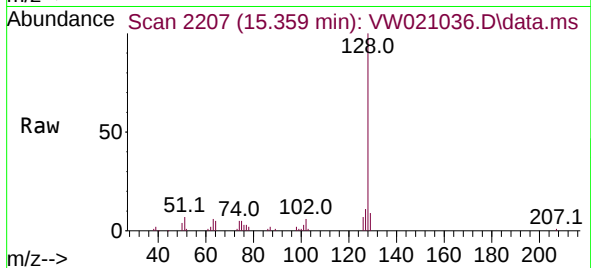
Acq: 02 Dec 2021 10:45

Instrument :

MSVOA\_W

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 19491 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 12.9  | 10.7  | 16.1  |
| 129       | 10.8  | 8.6   | 12.8  |



#72

1,2,3-Trichlorobenzene

Concen: 10.262 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. -0.000 min

Lab File: VW021036.D

Acq: 02 Dec 2021 10:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 7969  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.0  | 76.6  | 114.8 |
| 145       | 32.0  | 27.4  | 41.0  |

