

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100724\  
 Data File : VW030436.D  
 Acq On : 07 Oct 2024 22:38  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 08 01:31:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092724SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Oct 08 01:21:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 169708   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 201653   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 106285   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 21693    | 16.358   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 65.440%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 17996    | 18.651   | ug/L   | -0.01    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 74.600%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 16386    | 16.927   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 67.720%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 19639    | 36.825   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 73.660%  |
| 24) Chloroform-d              | 7.654  | 84    | 97138    | 21.306   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 85.240%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 50054    | 21.034   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 84.120%  |
| 32) Benzene-d6                | 8.276  | 84    | 187963   | 16.631   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 66.520%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 55310    | 16.271   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 65.080%# |
| 41) Toluene-d8                | 10.325 | 98    | 188091   | 18.149   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 72.600%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 25174    | 17.805   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 71.200%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 23327    | 41.557   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 83.120%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 65191    | 25.665   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.640% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 86017    | 24.376   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 97.520%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 33852    | 18.249   | ug/L   | 98       |
| 3) Chloromethane              | 2.223  | 50    | 23258    | 16.005   | ug/L   | 96       |
| 5) Vinyl chloride             | 2.375  | 62    | 28103    | 18.192   | ug/L   | 97       |
| 6) Bromomethane               | 2.796  | 94    | 19954    | 19.407   | ug/L   | 83       |
| 8) Chloroethane               | 2.936  | 64    | 15792    | 18.737   | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 41119    | 20.662   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 40766    | 20.562   | ug/L # | 78       |
| 13) Acetone                   | 4.125  | 43    | 16569    | 29.288   | ug/L   | 91       |
| 14) Carbon disulfide          | 4.393  | 76    | 113112   | 17.252   | ug/L   | 97       |
| 15) Methyl Acetate            | 4.673  | 43    | 15116    | 16.382   | ug/L   | 96       |
| 16) Methylene chloride        | 4.923  | 84    | 44204    | 16.923   | ug/L   | 90       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 46776    | 20.437   | ug/L   | 86       |
| 18) Methyl tert-butyl Ether   | 5.435  | 73    | 73173    | 20.100   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 82255    | 18.871   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 54022    | 21.363   | ug/L   | 91       |
| 22) 2-Butanone                | 7.173  | 43    | 23127    | 31.979   | ug/L   | 91       |
| 23) Bromochloromethane        | 7.514  | 128   | 25299    | 22.916   | ug/L # | 74       |
| 25) Chloroform                | 7.679  | 83    | 94485    | 20.902   | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 8.398  | 62    | 60871    | 20.305   | ug/L   | 95       |

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Quant Time: Oct 08 01:31:51 2024  
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 Quant Title : SFAM01.0  
 QLast Update : Tue Oct 08 01:21:40 2024  
 Response via : Initial Calibration

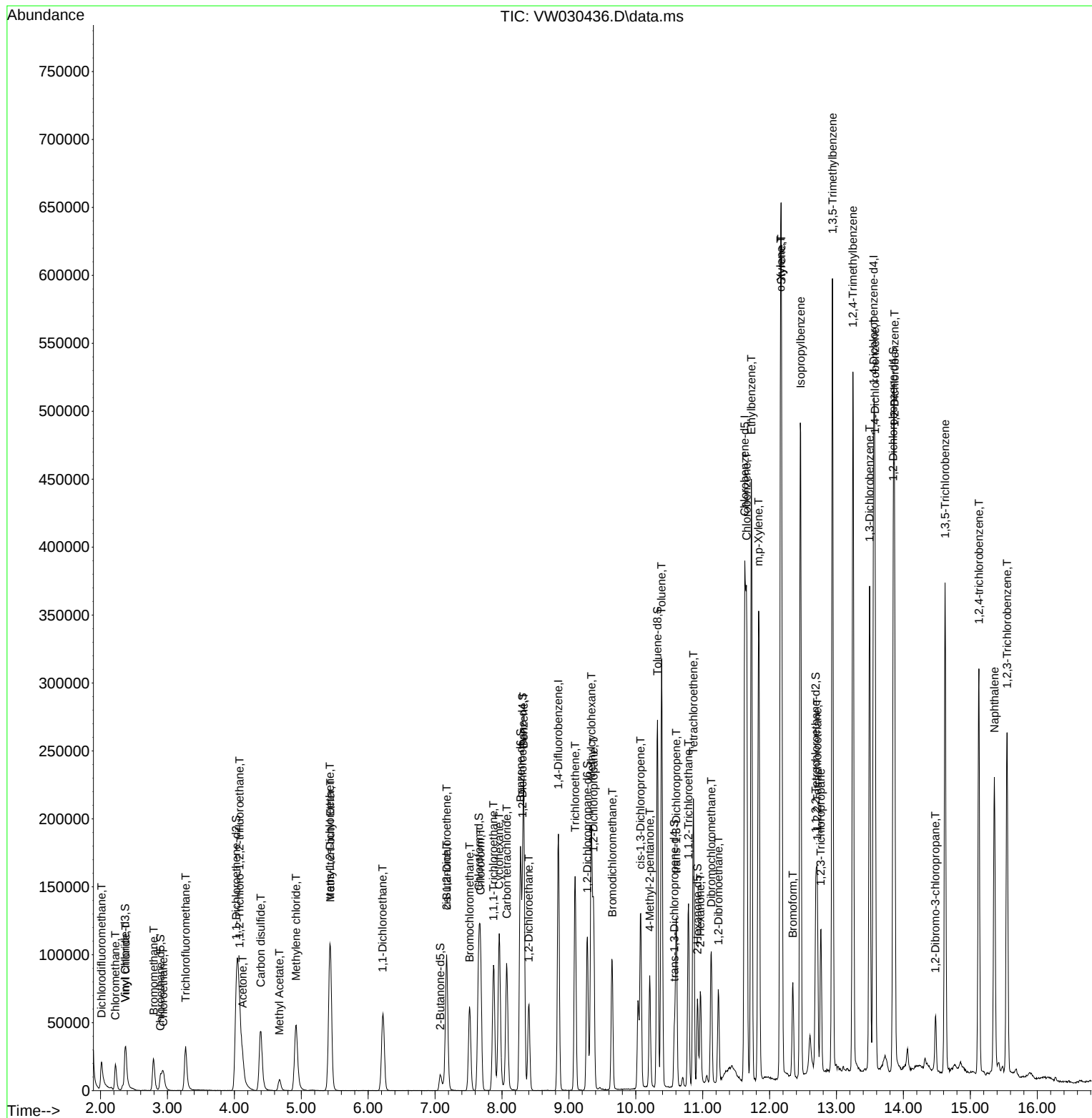
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 29) Cyclohexane               | 7.959  | 56   | 67497    | 15.184 | ug/L   | 93       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 79267    | 16.969 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 73345    | 17.568 | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 205245   | 16.711 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 56385    | 17.259 | ug/L   | 93       |
| 35) Methylcyclohexane         | 9.337  | 83   | 85940    | 17.141 | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 51765    | 15.974 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.648  | 83   | 66814    | 16.422 | ug/L # | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 82662    | 16.636 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 49817    | 29.887 | ug/L # | 94       |
| 42) Toluene                   | 10.386 | 91   | 239379   | 18.205 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 71347    | 17.328 | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 42636    | 18.670 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 50632    | 20.720 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.965 | 43   | 41630    | 33.918 | ug/L # | 95       |
| 49) Dibromochloromethane      | 11.129 | 129  | 55437    | 21.571 | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 47204    | 21.845 | ug/L # | 94       |
| 51) Chlorobenzene             | 11.654 | 112  | 190694   | 22.442 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 323662   | 21.728 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 115405   | 20.754 | ug/L   | 93       |
| 54) o-Xylene                  | 12.166 | 106  | 121876   | 23.027 | ug/L   | 95       |
| 55) Styrene                   | 12.178 | 104  | 206925   | 22.918 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 64434    | 24.091 | ug/L   | 97       |
| 59) Bromoform                 | 12.349 | 173  | 33500    | 21.756 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.465 | 105  | 328682   | 21.787 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 47612    | 23.564 | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 317161   | 25.992 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 287811   | 23.873 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 154686   | 22.944 | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 157080   | 22.808 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 147632   | 24.563 | ug/L # | 88       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 10204    | 22.041 | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 112577   | 24.194 | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 99902    | 25.931 | ug/L   | 96       |
| 71) Naphthalene               | 15.360 | 128  | 191324   | 27.151 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 88534    | 26.254 | ug/L   | 97       |

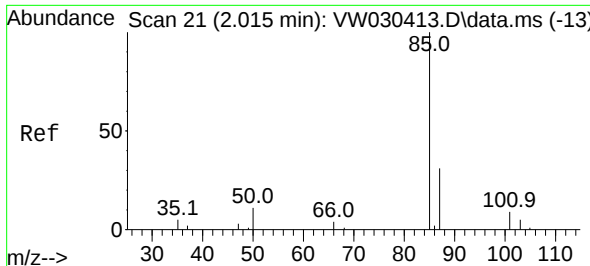
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QLast Update : Tue Oct 08 01:21:40 2024  
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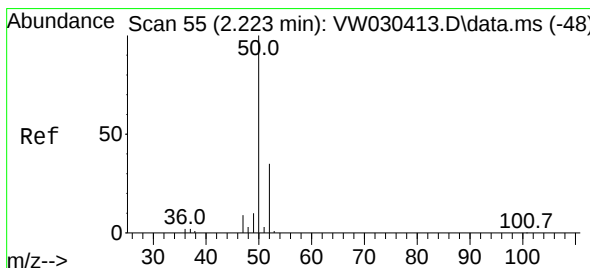
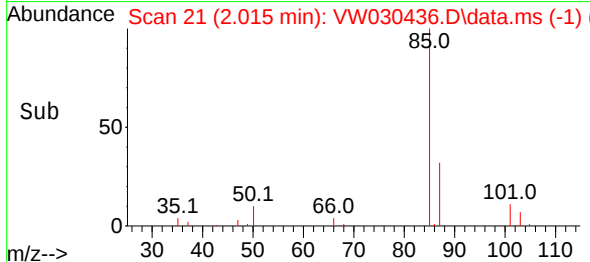
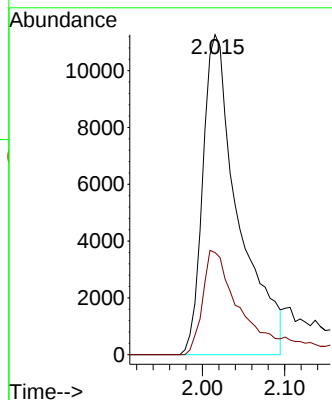
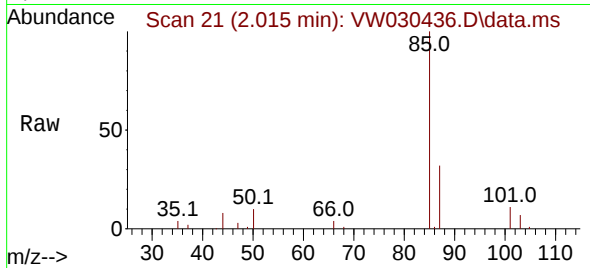




#2  
 Dichlorodifluoromethane  
 Concen: 18.249 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VW030436.D  
 Acq: 07 Oct 2024 22:38

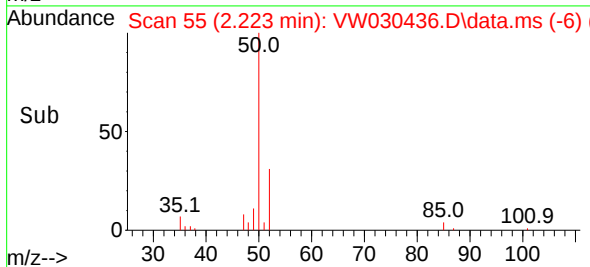
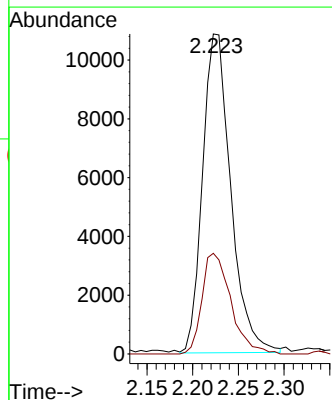
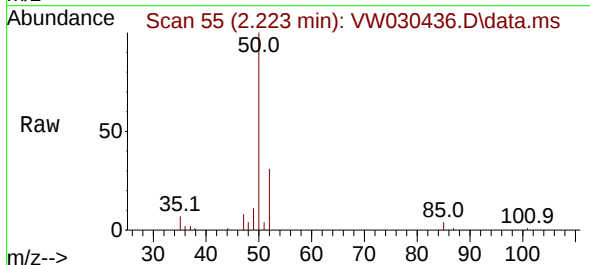
Instrument :  
 MSVOA\_W  
 ClientSampleId :

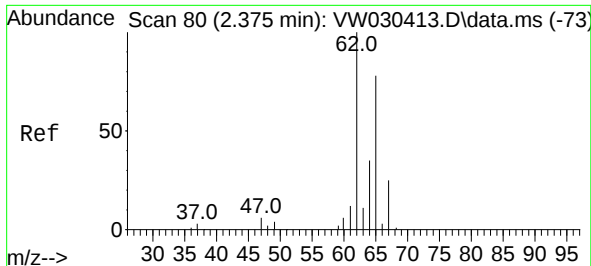
Tgt Ion: 85 Resp: 33852  
 Ion Ratio Lower Upper  
 85 100  
 87 31.1 24.0 36.0



#3  
 Chloromethane  
 Concen: 16.005 ug/L  
 RT: 2.223 min Scan# 55  
 Delta R.T. 0.000 min  
 Lab File: VW030436.D  
 Acq: 07 Oct 2024 22:38

Tgt Ion: 50 Resp: 23258  
 Ion Ratio Lower Upper  
 50 100  
 52 31.4 23.5 43.7

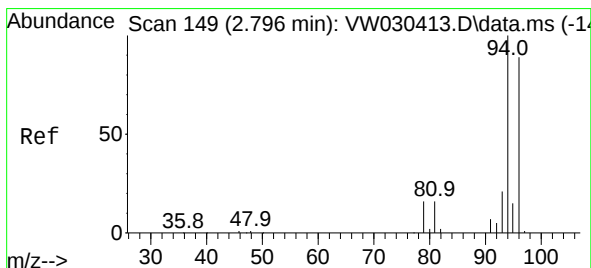
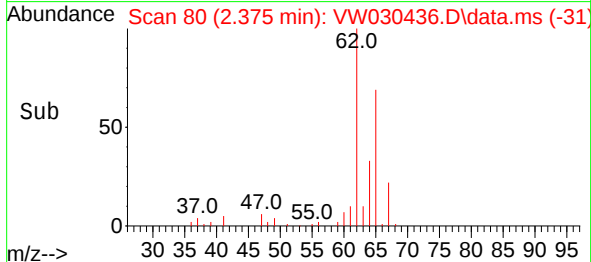
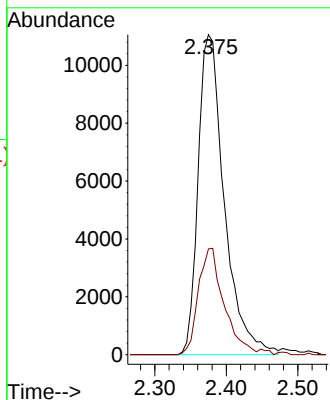
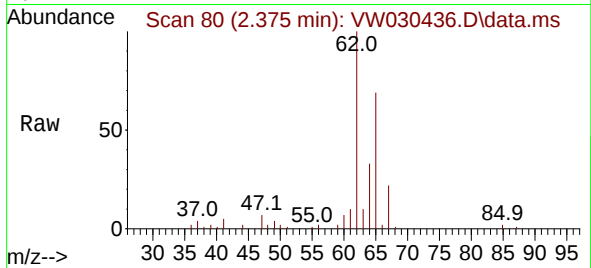




#5  
 Vinyl chloride  
 Concen: 18.192 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: VW030436.D  
 Acq: 07 Oct 2024 22:38

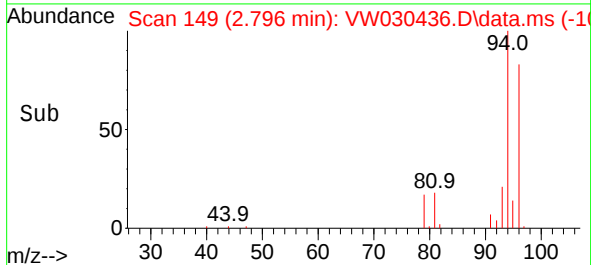
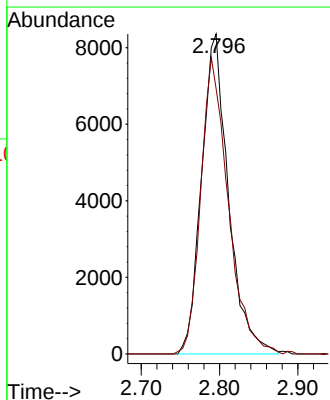
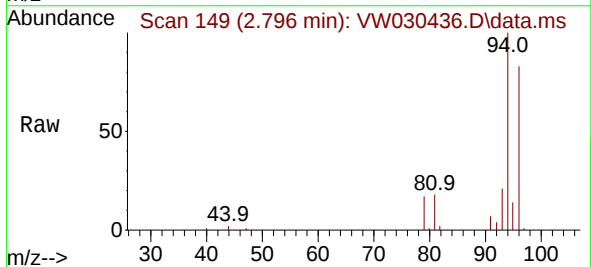
Instrument :  
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 ClientSampleId :

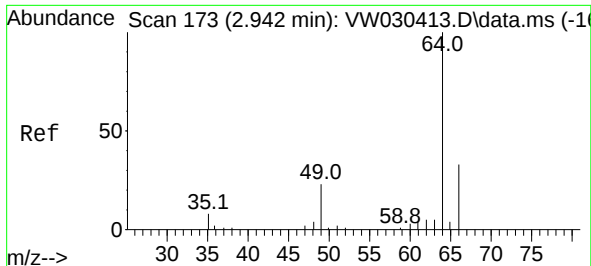
Tgt Ion: 62 Resp: 28103  
 Ion Ratio Lower Upper  
 62 100  
 64 33.1 22.1 41.1



#6  
 Bromomethane  
 Concen: 19.407 ug/L  
 RT: 2.796 min Scan# 149  
 Delta R.T. 0.000 min  
 Lab File: VW030436.D  
 Acq: 07 Oct 2024 22:38

Tgt Ion: 94 Resp: 19954  
 Ion Ratio Lower Upper  
 94 100  
 96 82.9 69.7 129.4

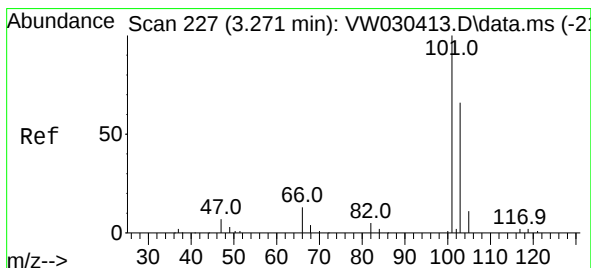
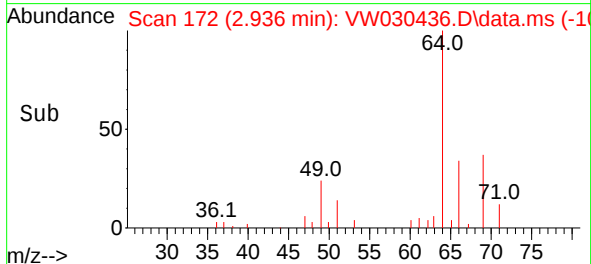
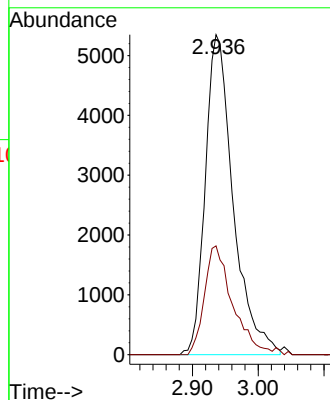
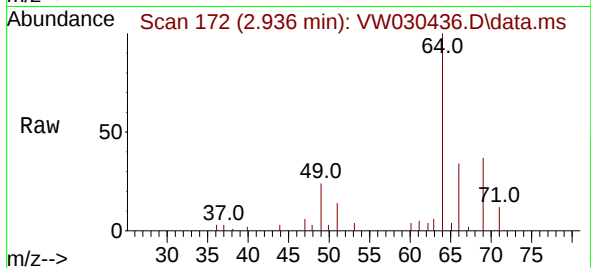




#8  
Chloroethane  
Concen: 18.737 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW030436.D  
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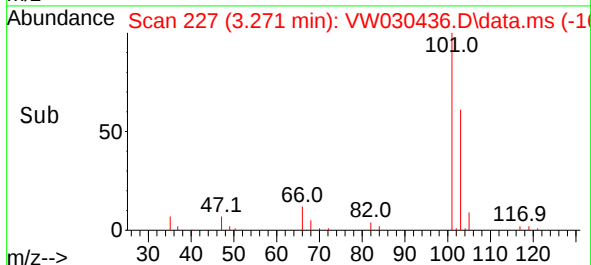
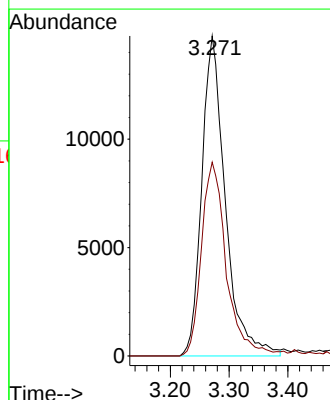
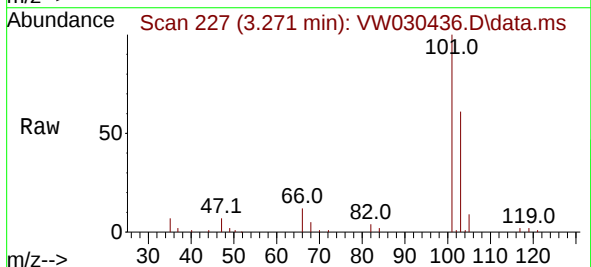
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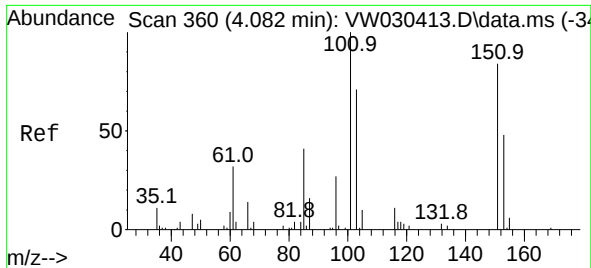
Tgt Ion: 64 Resp: 15792  
Ion Ratio Lower Upper  
64 100  
66 34.0 21.4 39.8



#9  
Trichlorofluoromethane  
Concen: 20.662 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. 0.000 min  
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Acq: 07 Oct 2024 22:38

Tgt Ion:101 Resp: 41119  
Ion Ratio Lower Upper  
101 100  
103 62.6 50.2 75.4





#10

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

Concen: 20.562 ug/L

RT: 4.076 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

ClientSampleId :

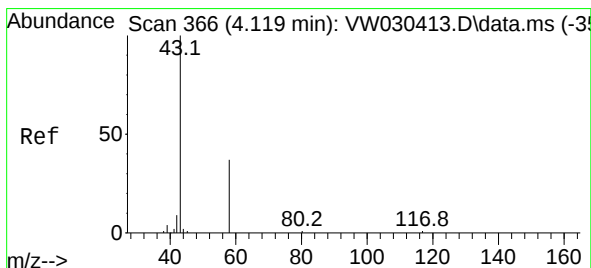
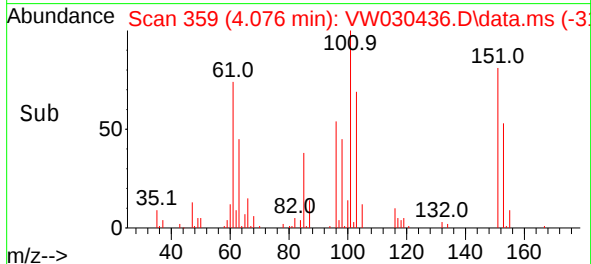
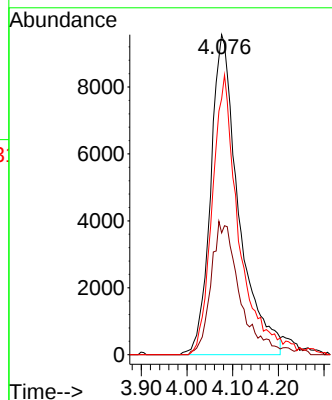
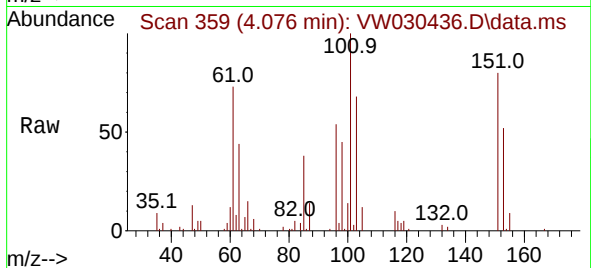
Tgt Ion:101 Resp: 40766

Ion Ratio Lower Upper

101 100

85 17.6 30.5 45.7#

151 78.6 52.9 79.3



#13

Acetone

Concen: 29.288 ug/L

RT: 4.125 min Scan# 367

Delta R.T. 0.006 min

Lab File: VW030436.D

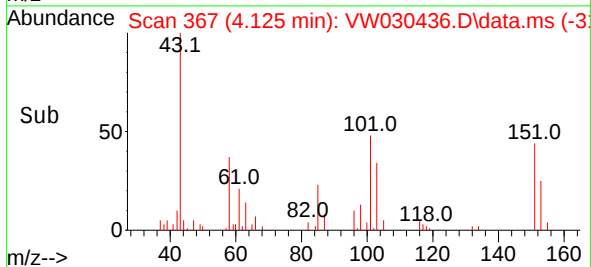
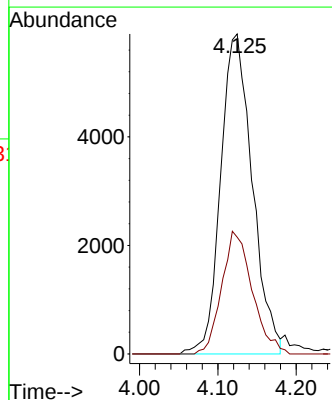
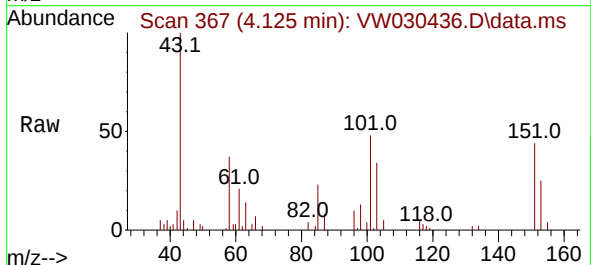
Acq: 07 Oct 2024 22:38

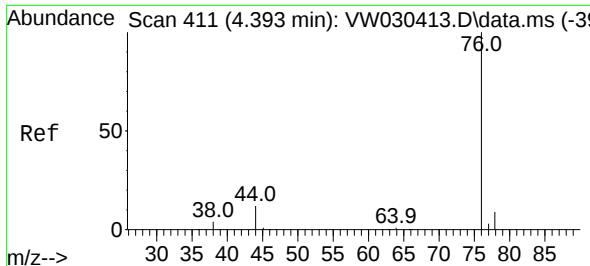
Tgt Ion: 43 Resp: 16569

Ion Ratio Lower Upper

43 100

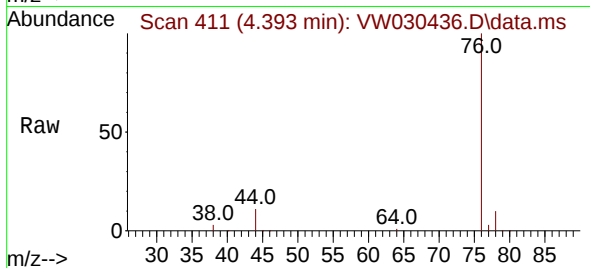
58 37.0 0.0 64.0



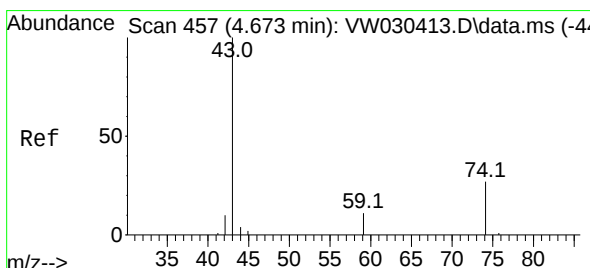
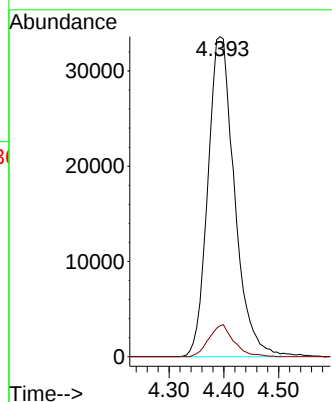
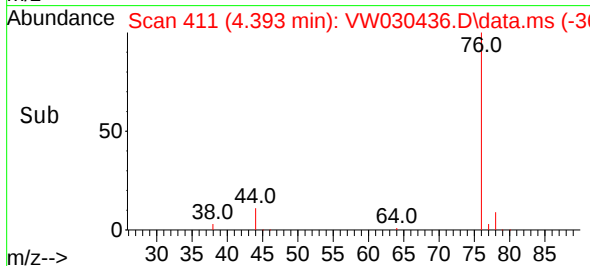


#14  
Carbon disulfide  
Concen: 17.252 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VW030436.D  
Acq: 07 Oct 2024 22:38

Instrument :  
MSVOA\_W  
ClientSampleId :

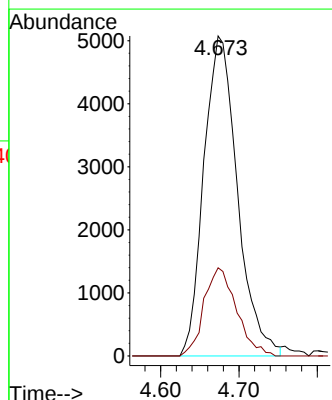
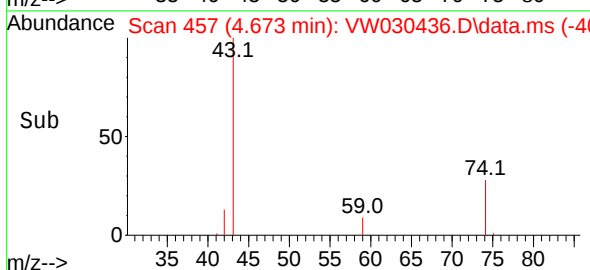
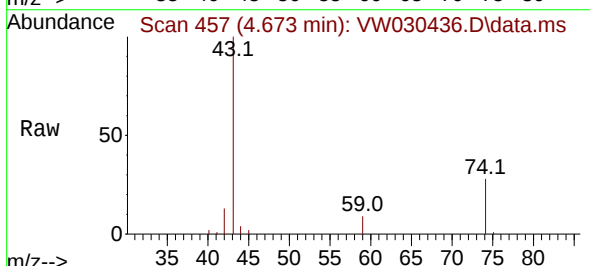


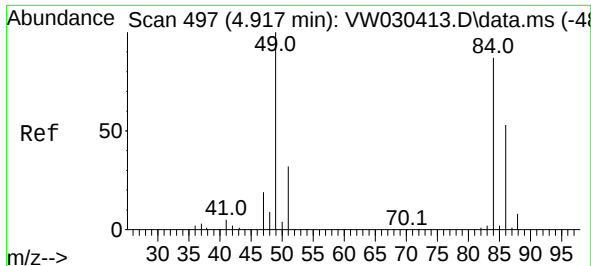
Tgt Ion: 76 Resp: 113112  
Ion Ratio Lower Upper  
76 100  
78 9.7 6.8 10.2



#15  
Methyl Acetate  
Concen: 16.382 ug/L  
RT: 4.673 min Scan# 457  
Delta R.T. 0.000 min  
Lab File: VW030436.D  
Acq: 07 Oct 2024 22:38

Tgt Ion: 43 Resp: 15116  
Ion Ratio Lower Upper  
43 100  
74 26.6 19.8 29.6

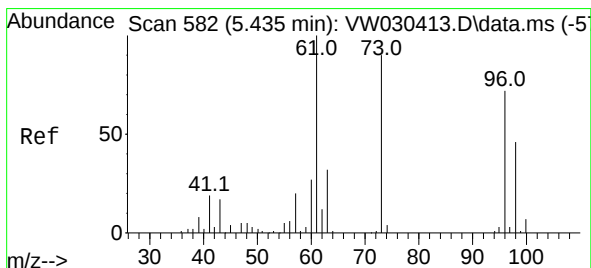
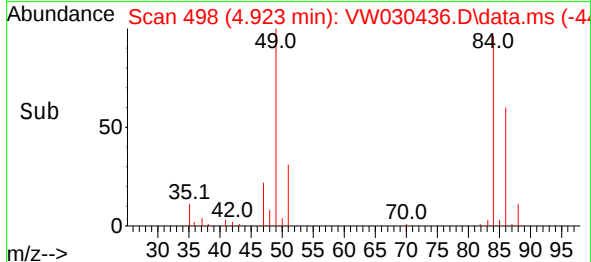
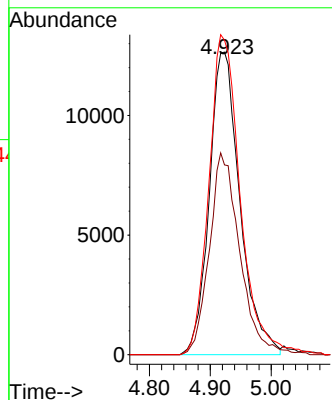
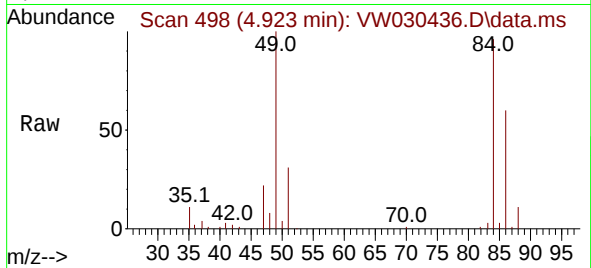




#16  
Methylene chloride  
Concen: 16.923 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW030436.D  
Acq: 07 Oct 2024 22:38

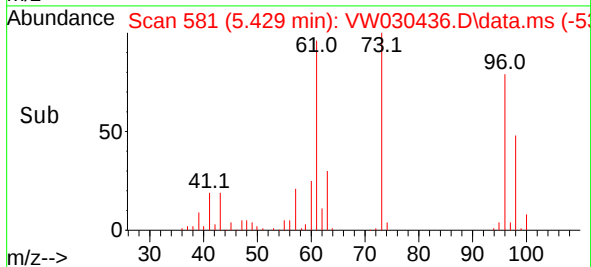
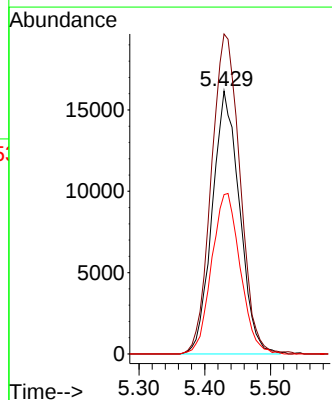
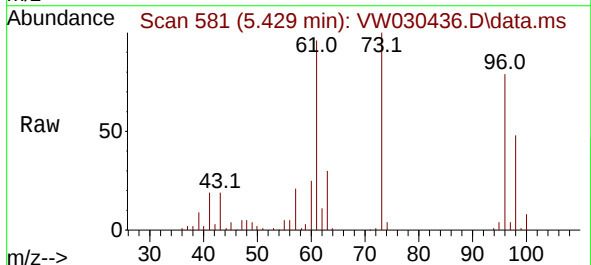
Instrument :  
MSVOA\_W  
ClientSampleId :

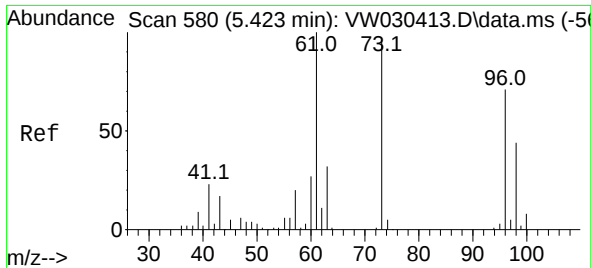
Tgt Ion: 84 Resp: 44204  
Ion Ratio Lower Upper  
84 100  
86 62.7 44.8 83.2  
49 103.9 83.6 155.2



#17  
trans-1,2-Dichloroethene  
Concen: 20.437 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.006 min  
Lab File: VW030436.D  
Acq: 07 Oct 2024 22:38

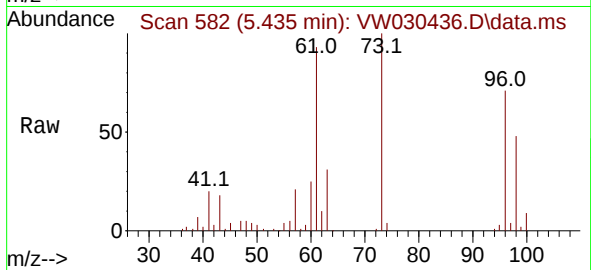
Tgt Ion: 96 Resp: 46776  
Ion Ratio Lower Upper  
96 100  
61 121.7 100.3 186.3  
98 60.6 46.3 86.1



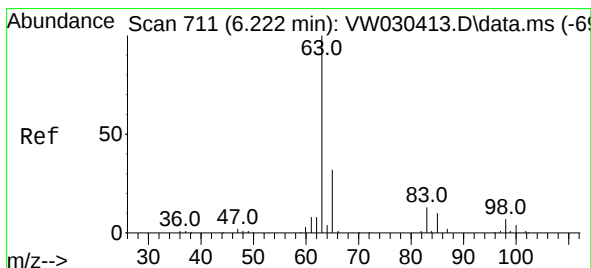
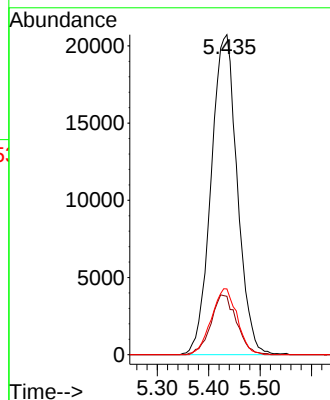
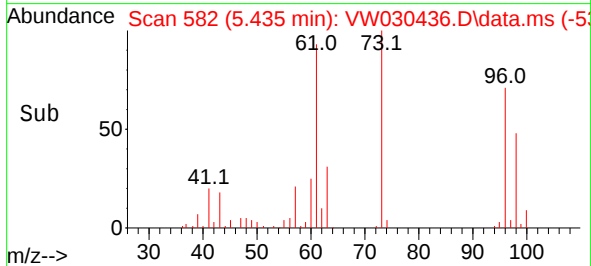


#18  
Methyl tert-butyl Ether  
Concen: 20.100 ug/L  
RT: 5.435 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VW030436.D  
Acq: 07 Oct 2024 22:38

Instrument :  
MSVOA\_W  
ClientSampled :

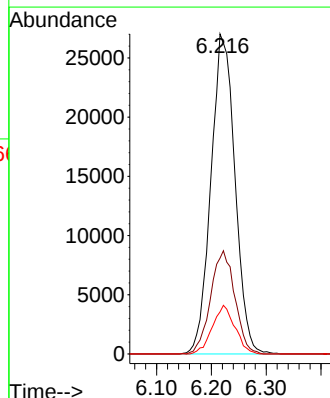
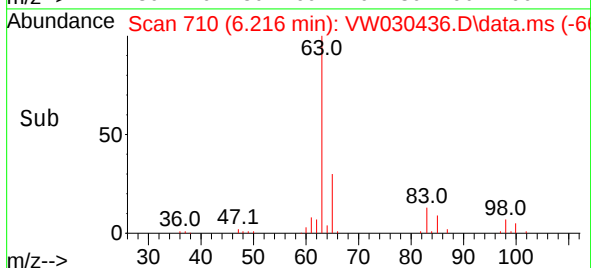
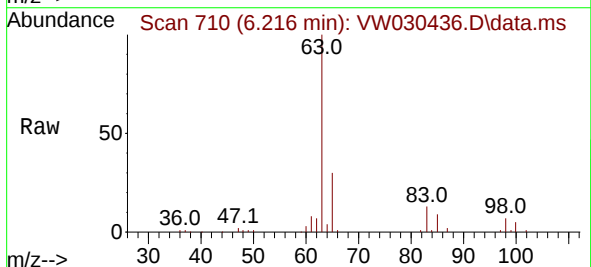


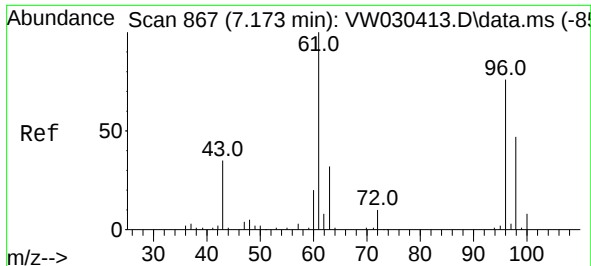
Tgt Ion: 73 Resp: 73173  
Ion Ratio Lower Upper  
73 100  
43 18.4 15.9 23.9  
57 20.3 17.6 26.4



#19  
1,1-Dichloroethane  
Concen: 18.871 ug/L  
RT: 6.216 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: VW030436.D  
Acq: 07 Oct 2024 22:38

Tgt Ion: 63 Resp: 82255  
Ion Ratio Lower Upper  
63 100  
65 29.9 20.7 38.5  
83 13.2 9.9 18.3





#20

cis-1,2-Dichloroethene

Concen: 21.363 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

ClientSampleId :

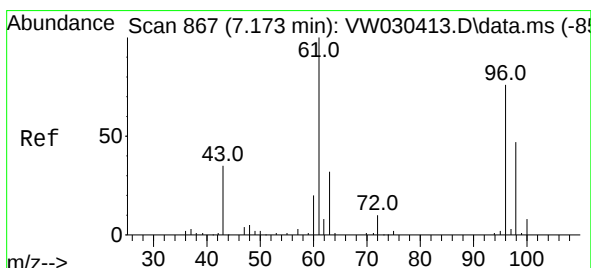
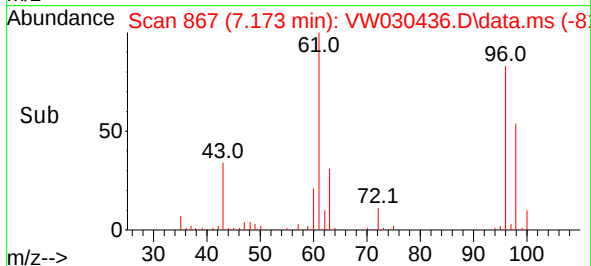
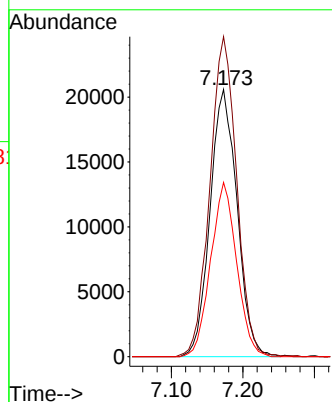
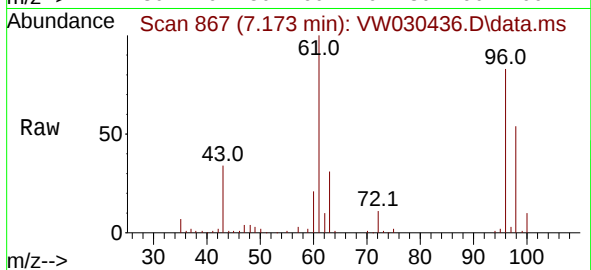
Tgt Ion: 96 Resp: 54022

Ion Ratio Lower Upper

96 100

61 119.8 92.0 170.9

98 65.2 41.9 77.9



#22

2-Butanone

Concen: 31.979 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW030436.D

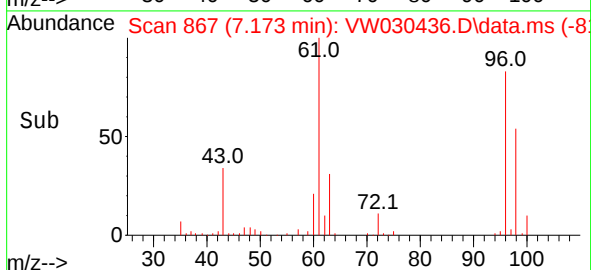
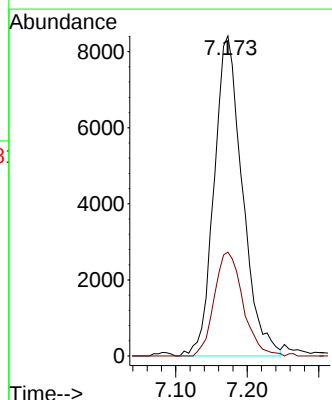
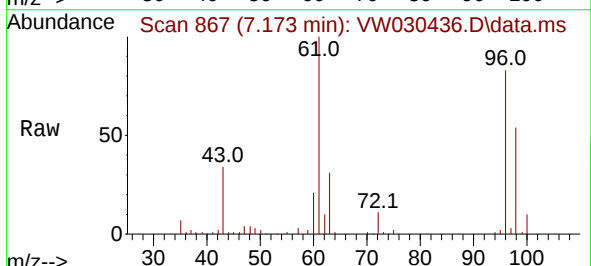
Acq: 07 Oct 2024 22:38

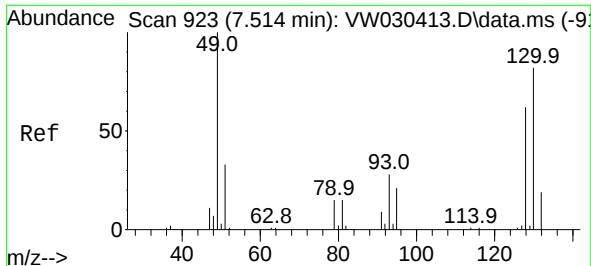
Tgt Ion: 43 Resp: 23127

Ion Ratio Lower Upper

43 100

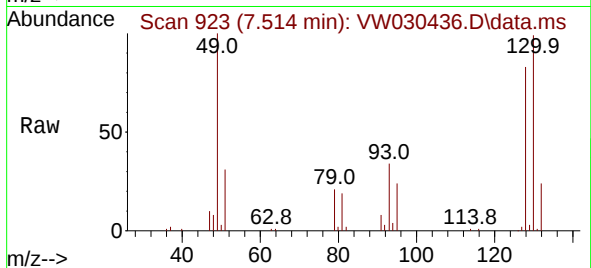
72 32.8 14.1 42.3



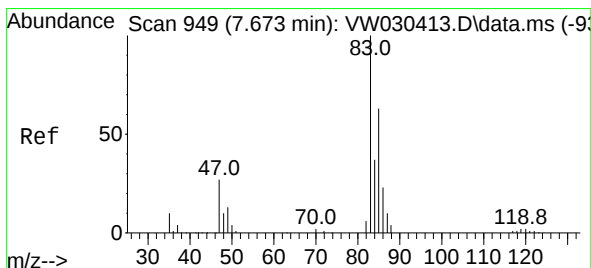
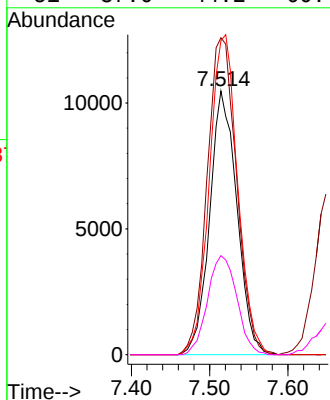
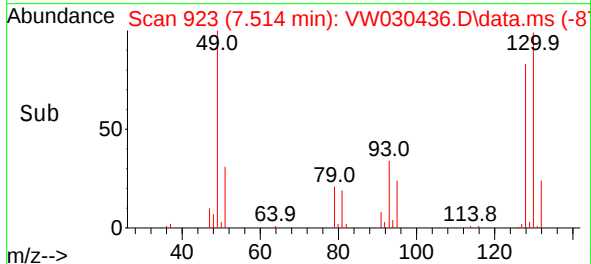


#23  
Bromochloromethane  
Concen: 22.916 ug/L  
RT: 7.514 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VW030436.D  
Acq: 07 Oct 2024 22:38

Instrument :  
MSVOA\_W  
ClientSampleId :

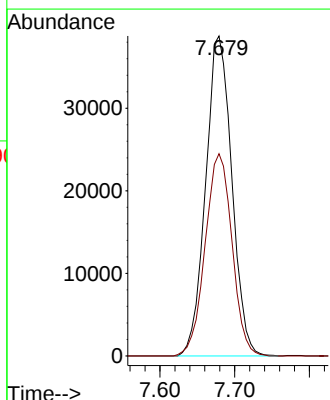
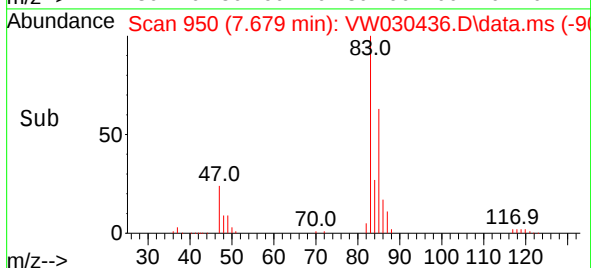
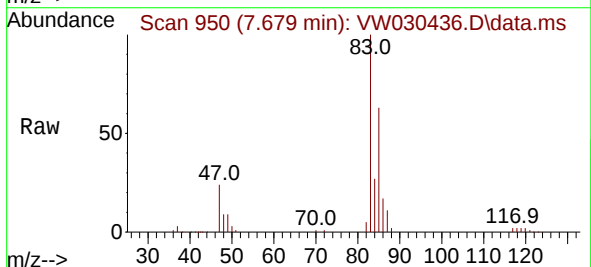


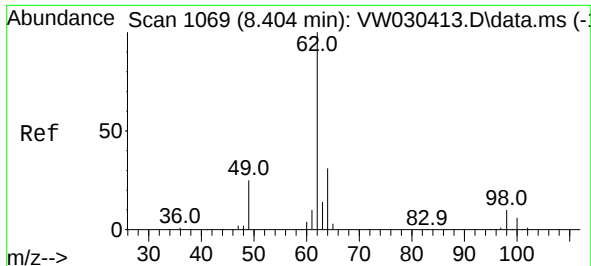
Tgt Ion:128 Resp: 25299  
Ion Ratio Lower Upper  
128 100  
49 120.2 123.1 228.5#  
130 119.1 89.2 165.6  
51 37.6 44.2 66.4#



#25  
Chloroform  
Concen: 20.902 ug/L  
RT: 7.679 min Scan# 950  
Delta R.T. 0.006 min  
Lab File: VW030436.D  
Acq: 07 Oct 2024 22:38

Tgt Ion: 83 Resp: 94485  
Ion Ratio Lower Upper  
83 100  
85 63.2 45.8 85.0





#27

1,2-Dichloroethane

Concen: 20.305 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

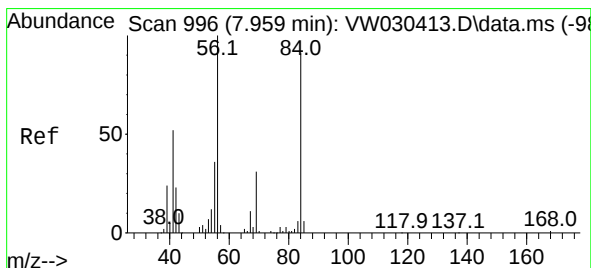
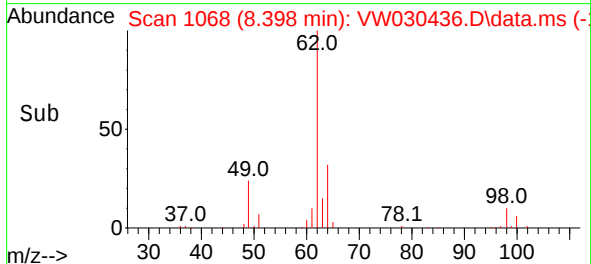
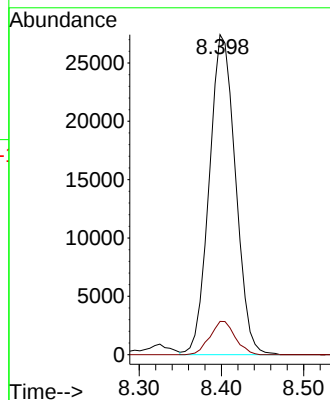
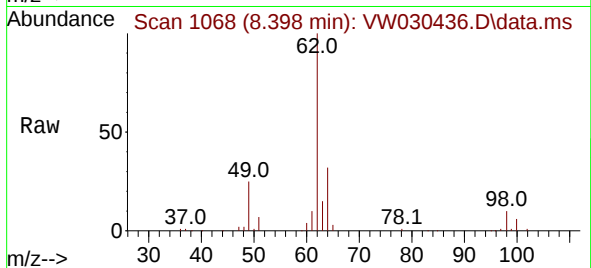
ClientSampleId :

Tgt Ion: 62 Resp: 60871

Ion Ratio Lower Upper

62 100

98 10.4 7.0 10.6



#29

Cyclohexane

Concen: 15.184 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

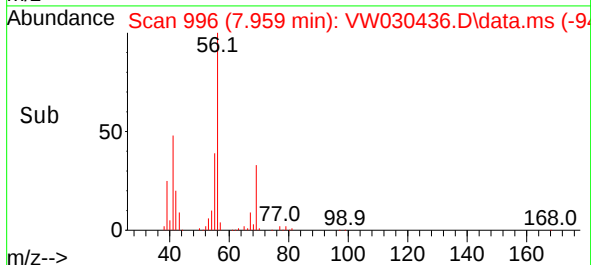
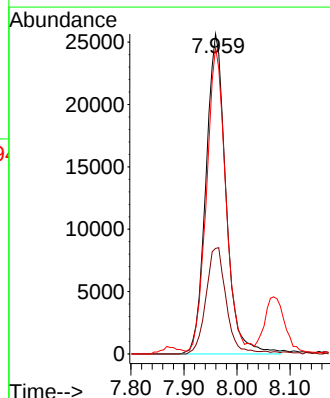
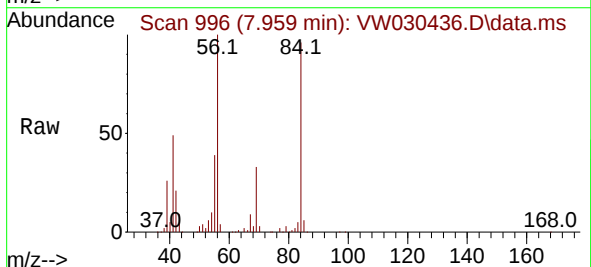
Tgt Ion: 56 Resp: 67497

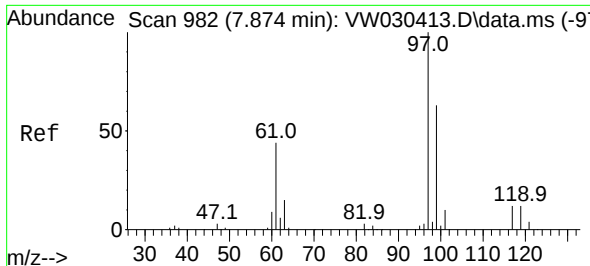
Ion Ratio Lower Upper

56 100

69 33.3 24.5 36.7

84 91.4 67.5 101.3





#30

1,1,1-Trichloroethane

Concen: 16.969 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

ClientSampleId :

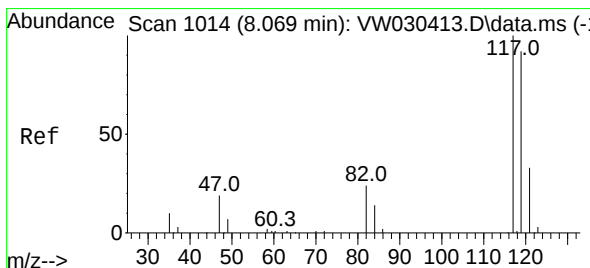
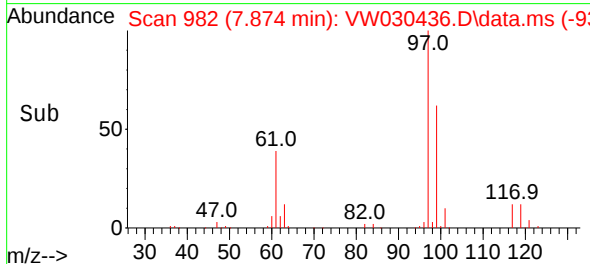
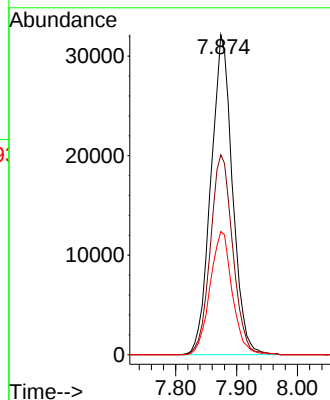
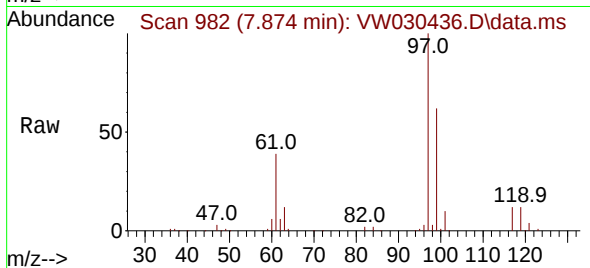
Tgt Ion: 97 Resp: 79267

Ion Ratio Lower Upper

97 100

99 64.7 50.9 76.3

61 39.5 34.1 51.1



#31

Carbon tetrachloride

Concen: 17.568 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW030436.D

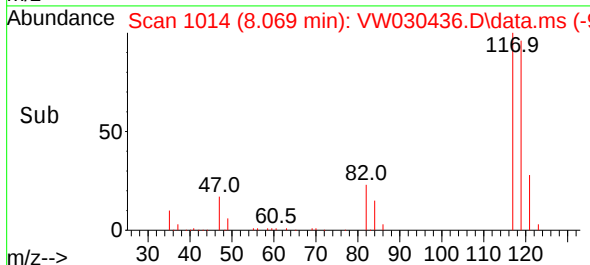
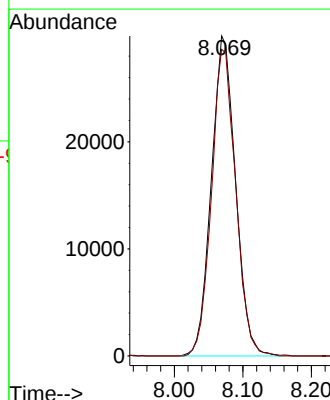
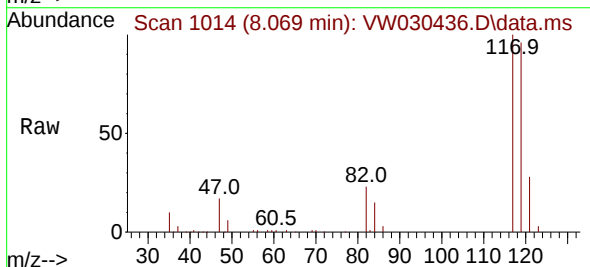
Acq: 07 Oct 2024 22:38

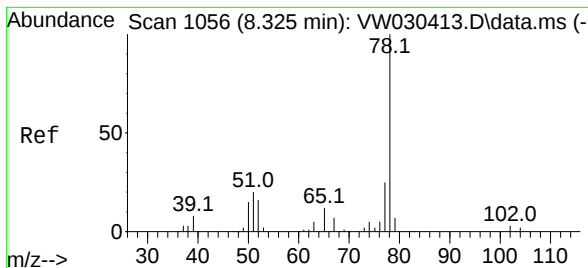
Tgt Ion: 117 Resp: 73345

Ion Ratio Lower Upper

117 100

119 95.5 75.5 113.3





#33

Benzene

Concen: 16.711 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VW030436.D

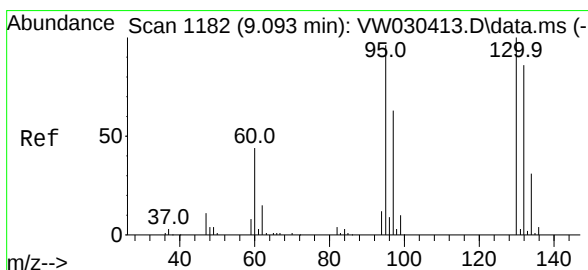
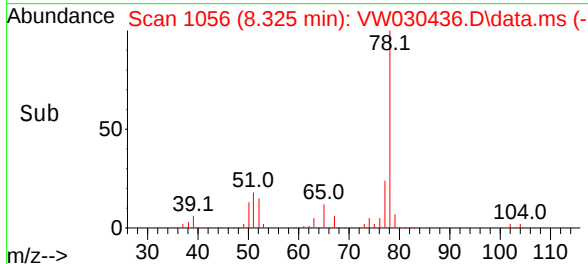
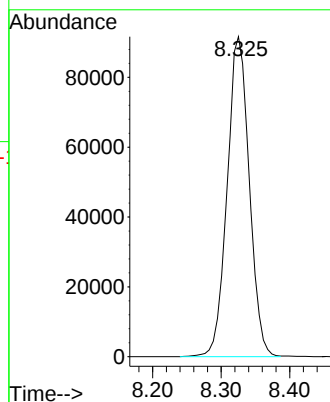
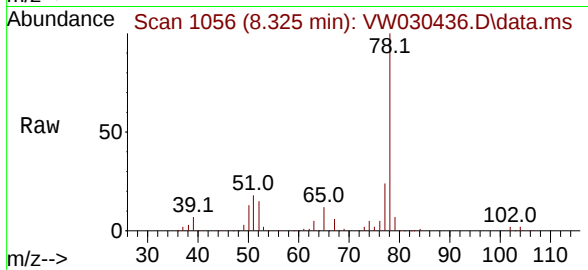
Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 78 Resp: 205245



#34

Trichloroethene

Concen: 17.259 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Tgt Ion: 95 Resp: 56385

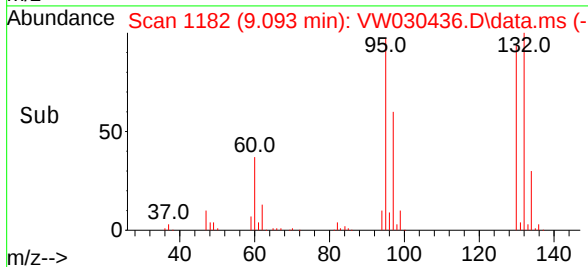
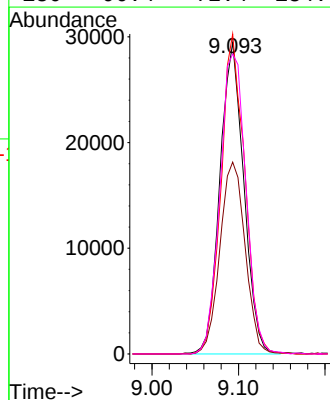
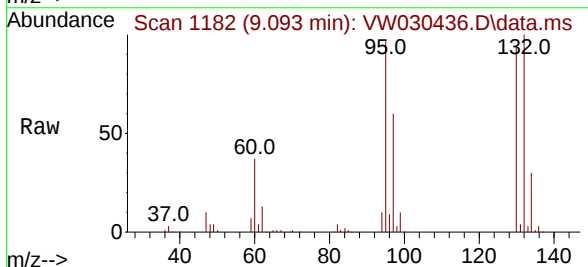
Ion Ratio Lower Upper

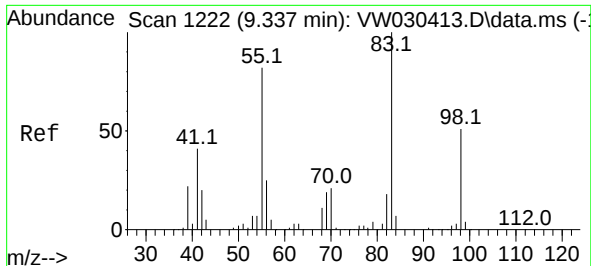
95 100

97 61.6 47.5 88.1

132 102.7 66.7 123.9

130 96.4 72.4 134.5





#35

Methylcyclohexane

Concen: 17.141 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

ClientSampleId :

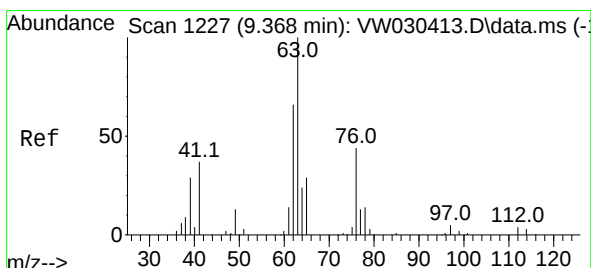
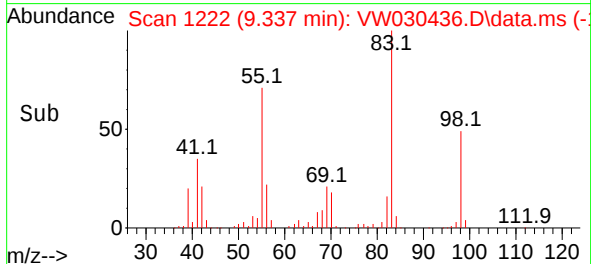
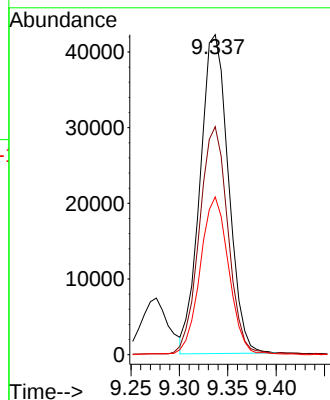
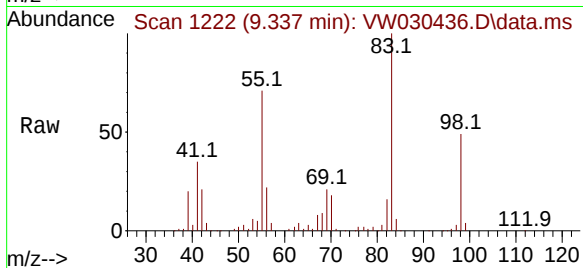
Tgt Ion: 83 Resp: 85940

Ion Ratio Lower Upper

83 100

55 72.3 61.7 92.5

98 48.9 37.2 55.8



#37

1,2-Dichloropropane

Concen: 15.974 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW030436.D

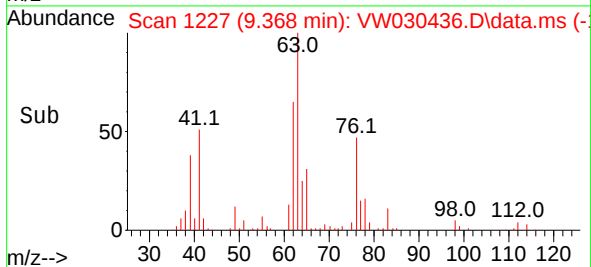
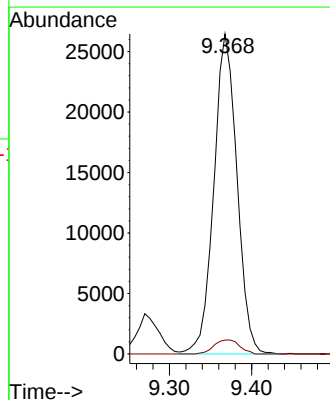
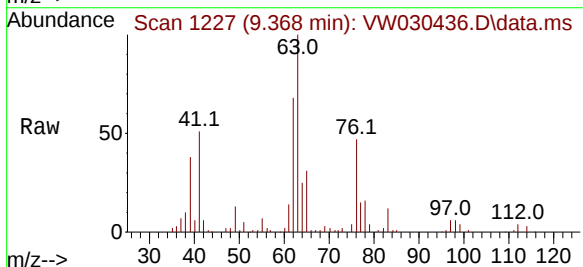
Acq: 07 Oct 2024 22:38

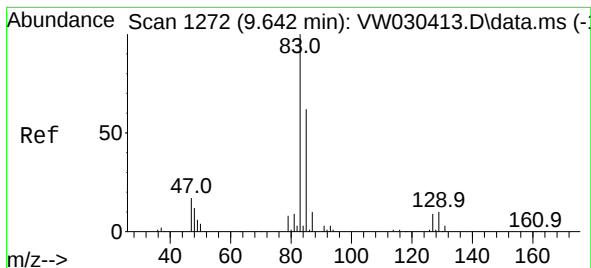
Tgt Ion: 63 Resp: 51765

Ion Ratio Lower Upper

63 100

112 4.9 3.4 5.2





#38

Bromodichloromethane

Concen: 16.422 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

ClientSampleId :

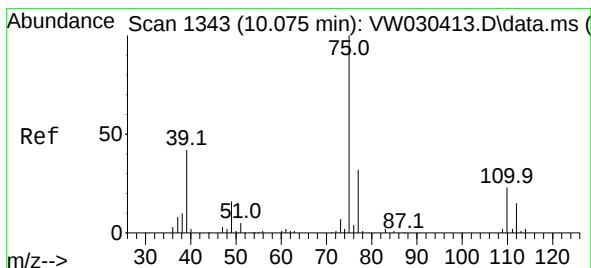
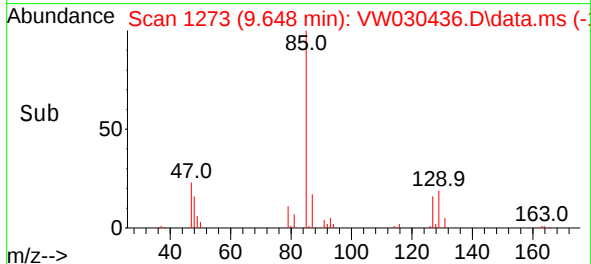
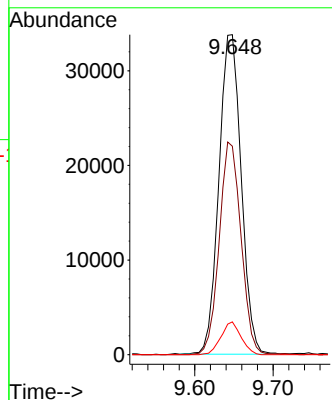
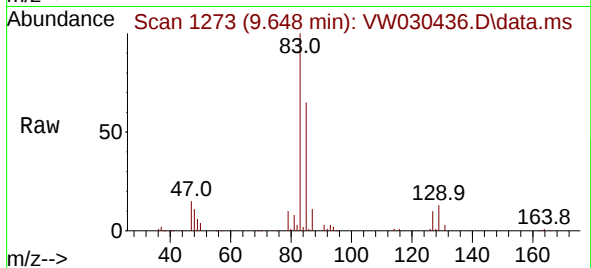
Tgt Ion: 83 Resp: 66814

Ion Ratio Lower Upper

83 100

85 65.2 43.5 80.7

127 10.3 6.1 9.1#



#39

cis-1,3-Dichloropropene

Concen: 16.636 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VW030436.D

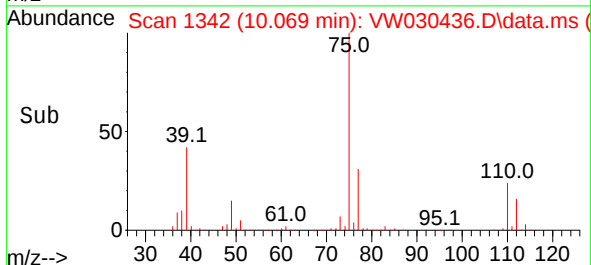
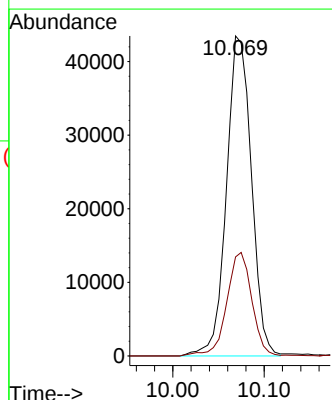
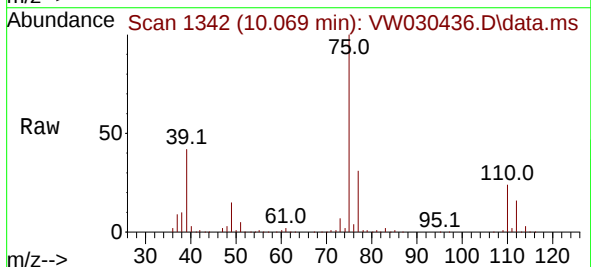
Acq: 07 Oct 2024 22:38

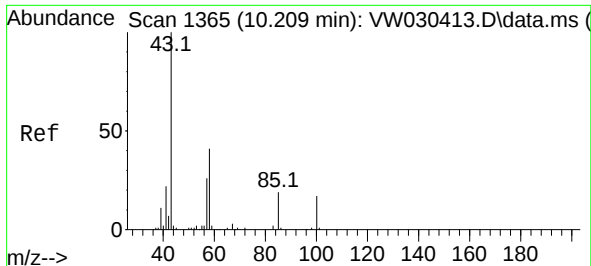
Tgt Ion: 75 Resp: 82662

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8





#40

4-Methyl-2-pentanone

Concen: 29.887 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW030436.D

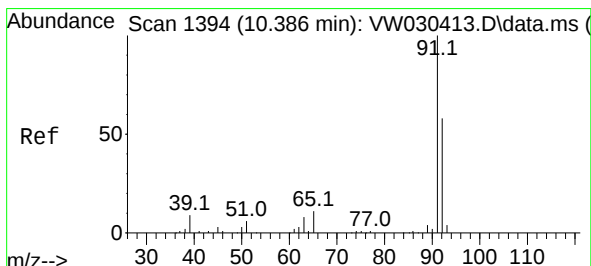
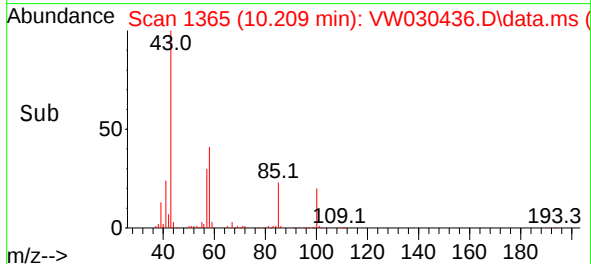
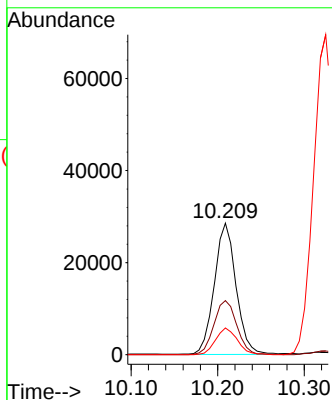
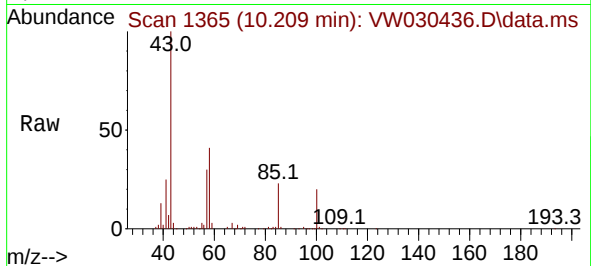
Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

ClientSampleId :

|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 49817     |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 58          | 43.3 32.6 48.8  |
| 100         | 20.2 12.5 18.7# |



#42

Toluene

Concen: 18.205 ug/L

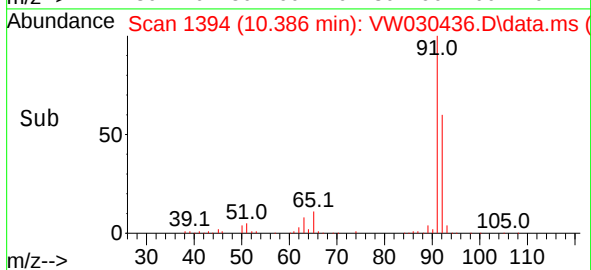
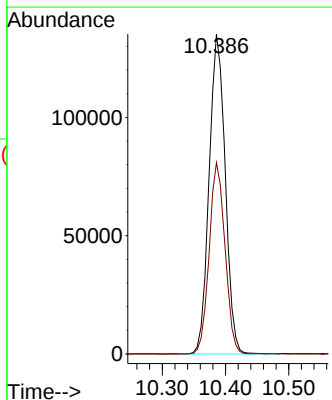
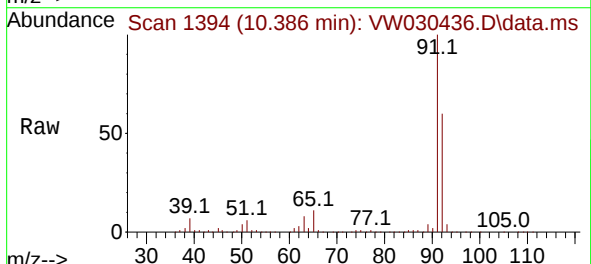
RT: 10.386 min Scan# 1394

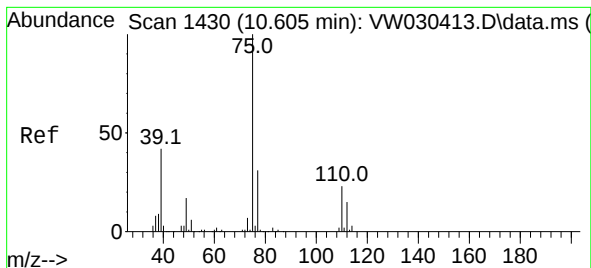
Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

|             |                |
|-------------|----------------|
| Tgt Ion: 91 | Resp: 239379   |
| Ion Ratio   | Lower Upper    |
| 91          | 100            |
| 92          | 59.8 42.3 78.5 |





#44

trans-1,3-Dichloropropene

Concen: 17.328 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

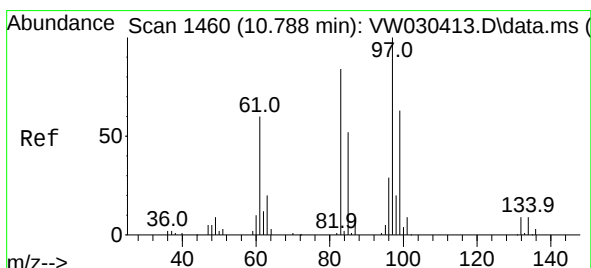
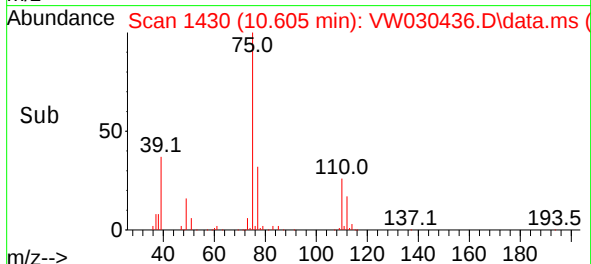
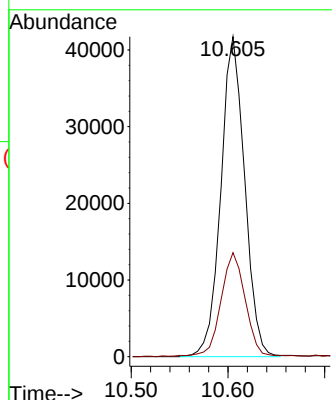
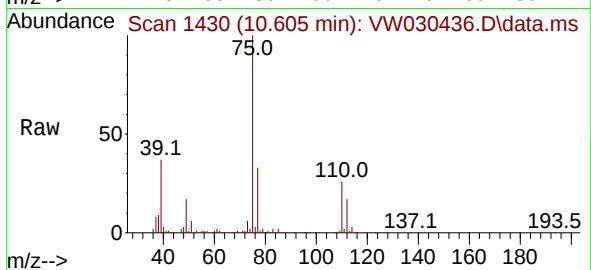
ClientSampleId :

Tgt Ion: 75 Resp: 71347

Ion Ratio Lower Upper

75 100

77 32.5 20.8 38.6



#45

1,1,2-Trichloroethane

Concen: 18.670 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Tgt Ion: 97 Resp: 42636

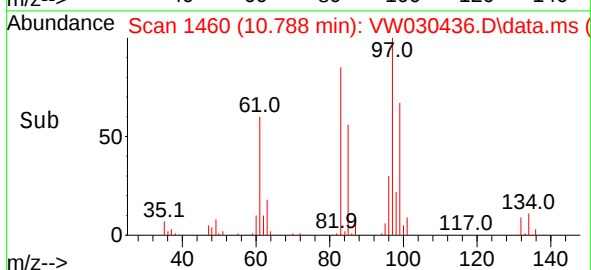
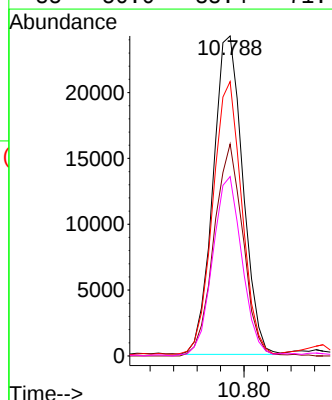
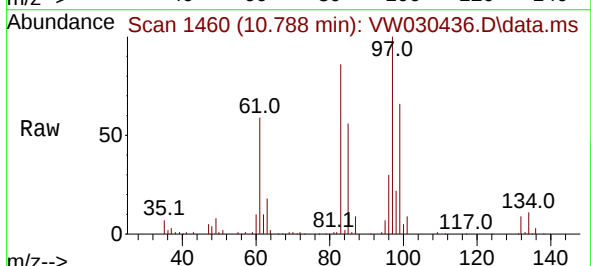
Ion Ratio Lower Upper

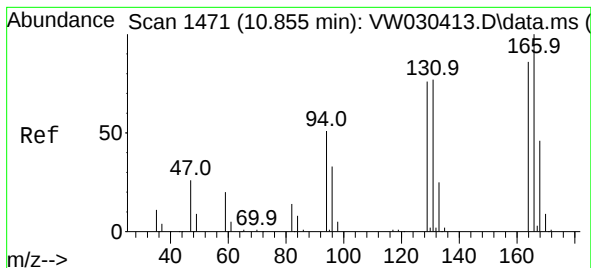
97 100

99 66.2 40.8 75.8

83 85.7 59.1 109.7

85 56.0 38.4 71.4





#46

Tetrachloroethene

Concen: 20.720 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.006 min

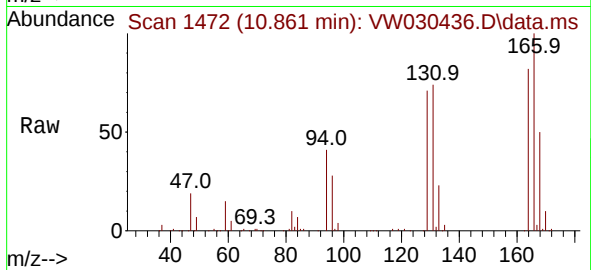
Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:164 Resp: 50632

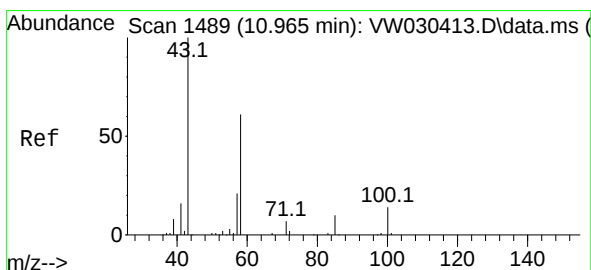
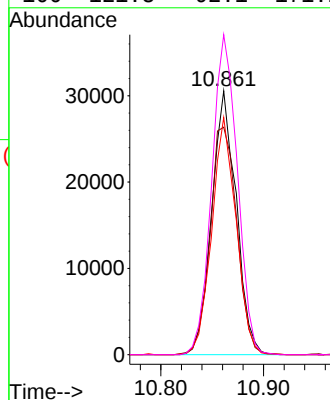
Ion Ratio Lower Upper

164 100

129 86.3 67.2 124.8

131 89.9 65.9 122.3

166 121.3 92.1 171.1



#48

2-Hexanone

Concen: 33.918 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Tgt Ion: 43 Resp: 41630

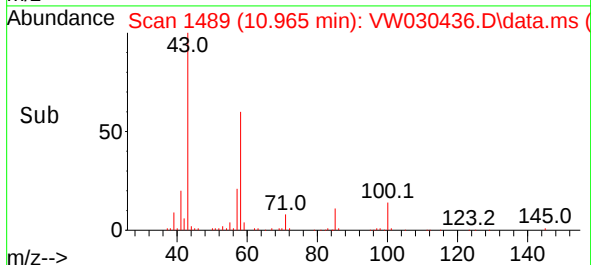
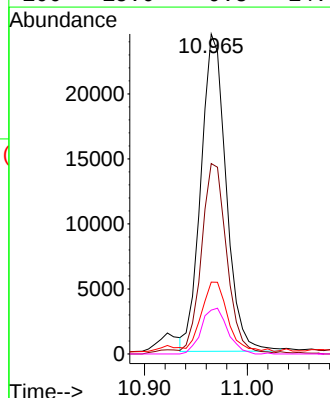
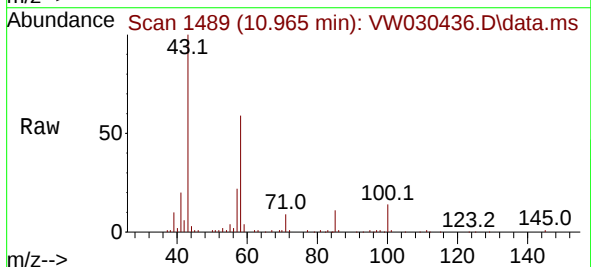
Ion Ratio Lower Upper

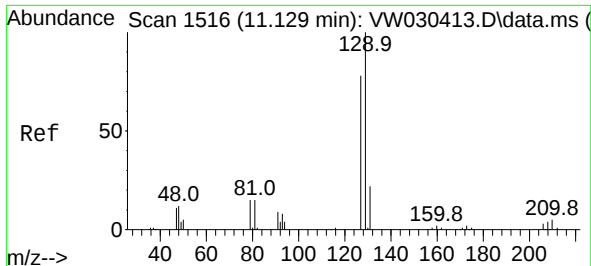
43 100

58 60.3 46.1 69.1

57 21.8 15.3 22.9

100 15.0 9.8 14.8#





#49

Dibromochloromethane

Concen: 21.571 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

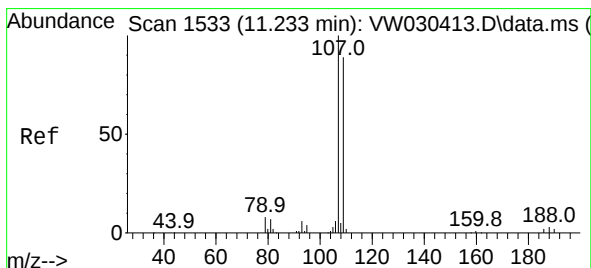
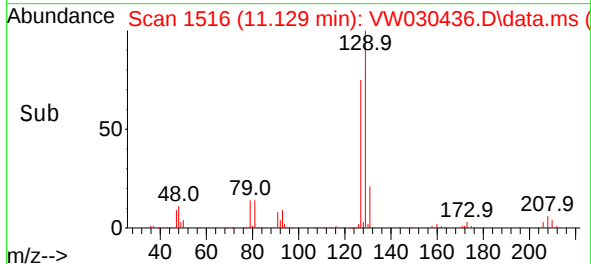
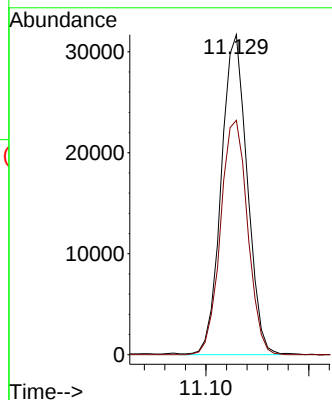
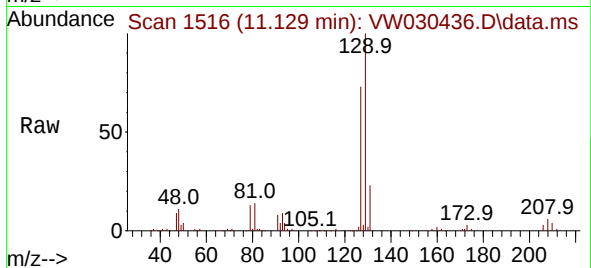
ClientSampleId :

Tgt Ion:129 Resp: 55437

Ion Ratio Lower Upper

129 100

127 73.3 57.2 106.2



#50

1,2-Dibromoethane

Concen: 21.845 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

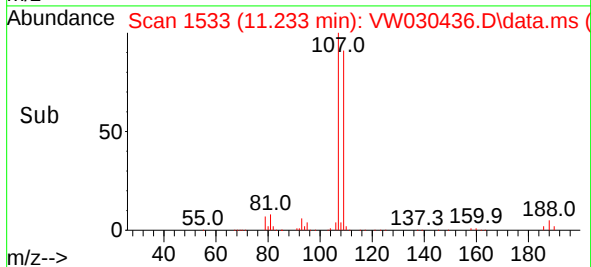
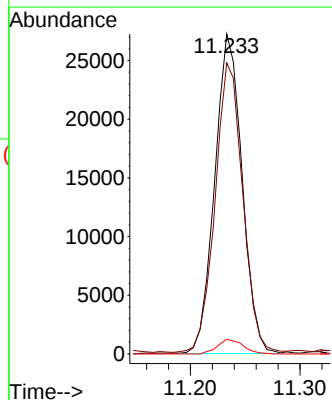
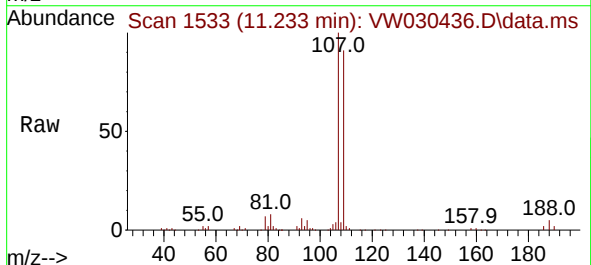
Tgt Ion:107 Resp: 47204

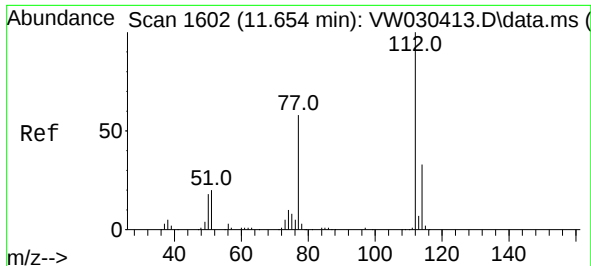
Ion Ratio Lower Upper

107 100

109 90.9 67.8 125.8

188 4.6 2.9 4.3#





#51

Chlorobenzene

Concen: 22.442 ug/L

RT: 11.654 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

ClientSampleId :

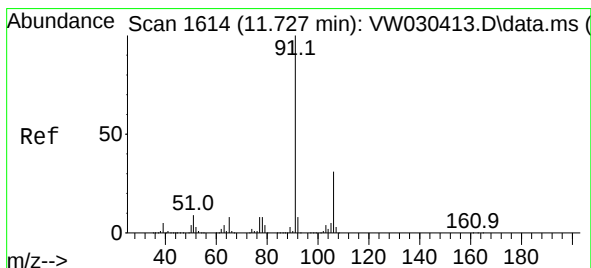
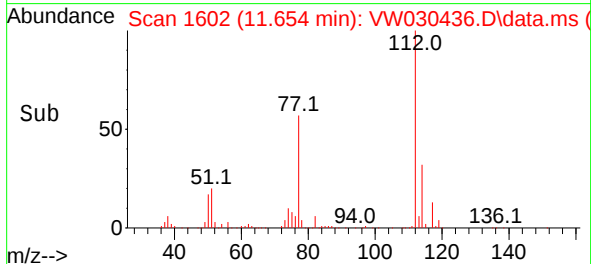
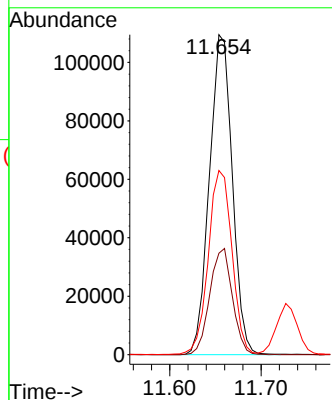
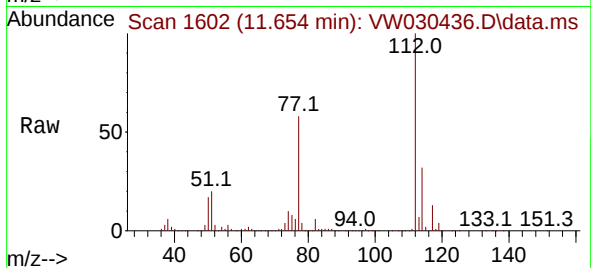
Tgt Ion:112 Resp: 190694

Ion Ratio Lower Upper

112 100

114 31.7 21.5 39.9

77 57.6 46.7 70.1



#52

Ethylbenzene

Concen: 21.728 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW030436.D

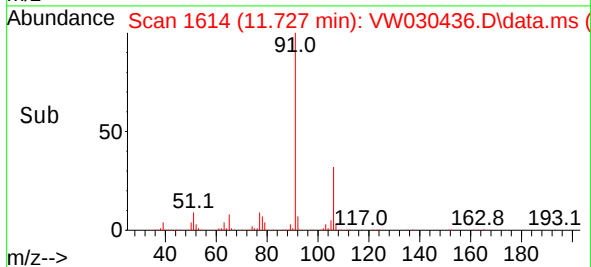
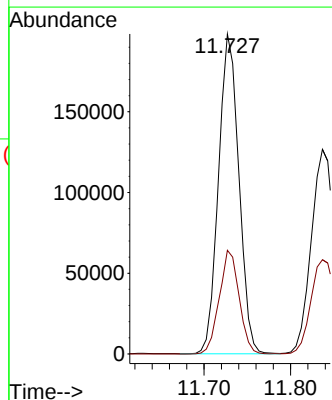
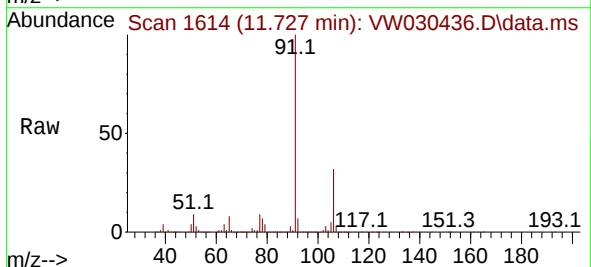
Acq: 07 Oct 2024 22:38

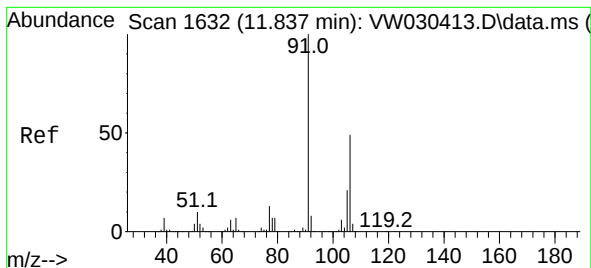
Tgt Ion: 91 Resp: 323662

Ion Ratio Lower Upper

91 100

106 32.4 21.8 40.6

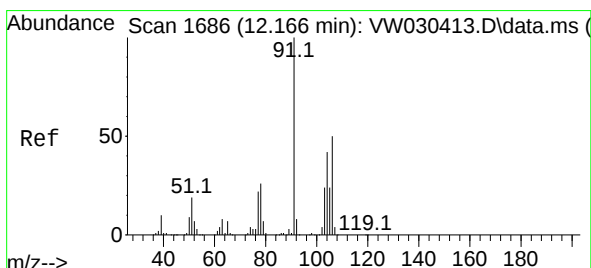
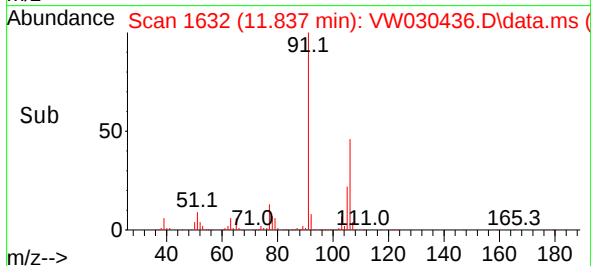
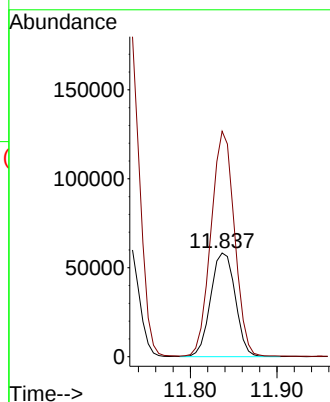
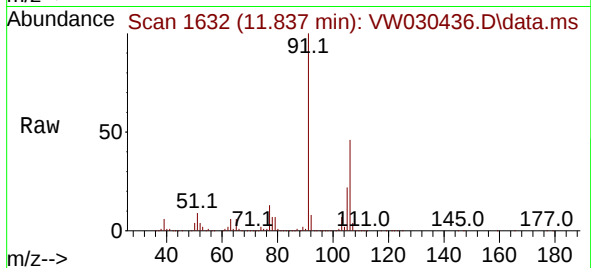




#53  
m,p-Xylene  
Concen: 20.754 ug/L  
RT: 11.837 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW030436.D  
Acq: 07 Oct 2024 22:38

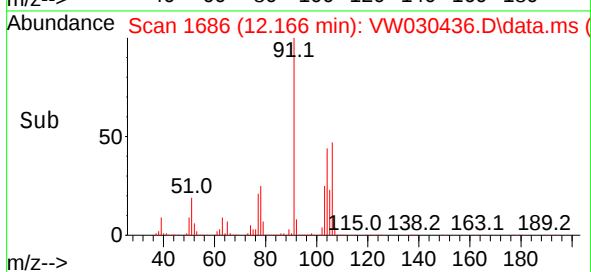
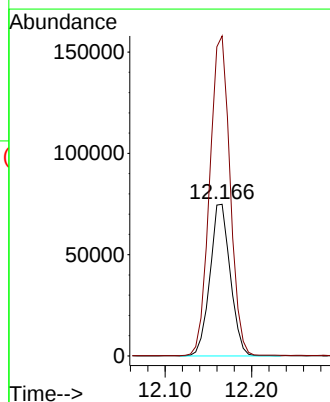
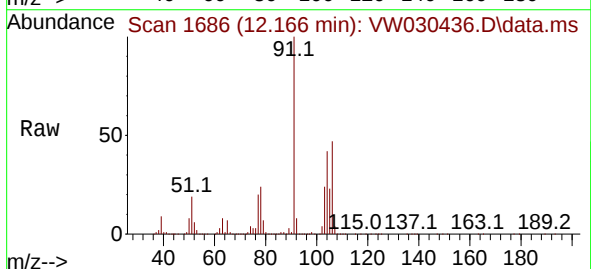
Instrument :  
MSVOA\_W  
ClientSampleId :

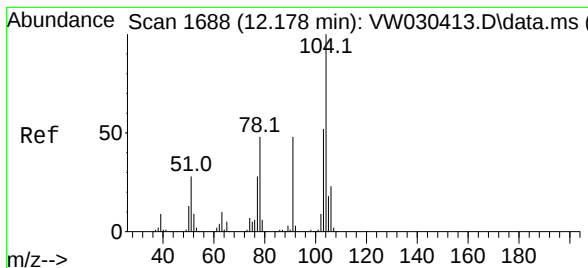
Tgt Ion:106 Resp: 115405  
Ion Ratio Lower Upper  
106 100  
91 217.3 144.4 268.2



#54  
o-Xylene  
Concen: 23.027 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW030436.D  
Acq: 07 Oct 2024 22:38

Tgt Ion:106 Resp: 121876  
Ion Ratio Lower Upper  
106 100  
91 210.9 153.6 285.2





#55

Styrene

Concen: 22.918 ug/L

RT: 12.178 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

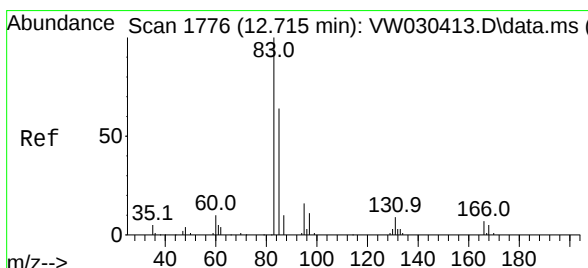
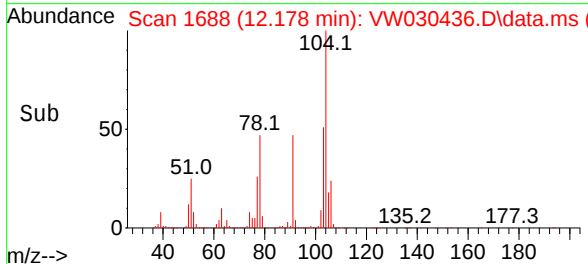
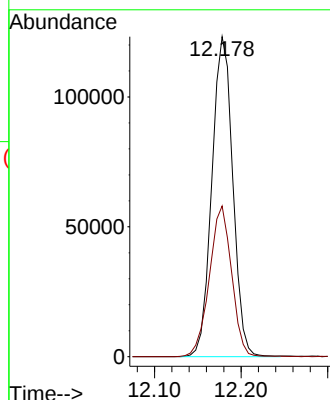
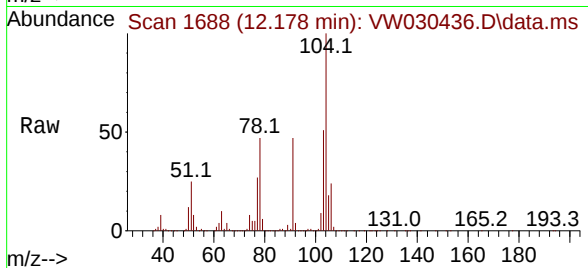
ClientSampleId :

Tgt Ion:104 Resp: 206925

Ion Ratio Lower Upper

104 100

78 47.1 34.6 64.3



#57

1,1,2,2-Tetrachloroethane

Concen: 24.091 ug/L

RT: 12.715 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

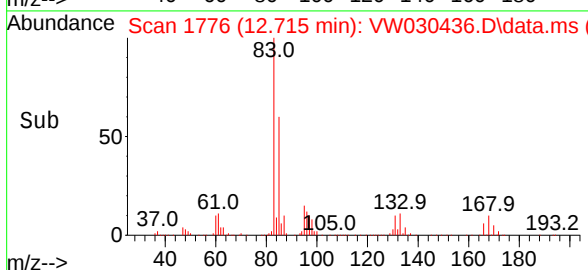
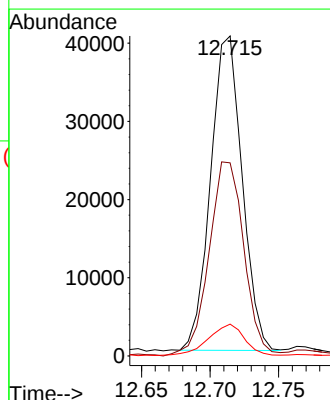
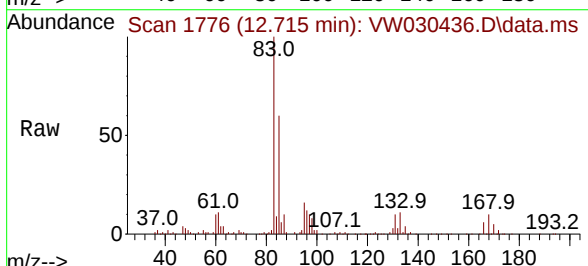
Tgt Ion: 83 Resp: 64434

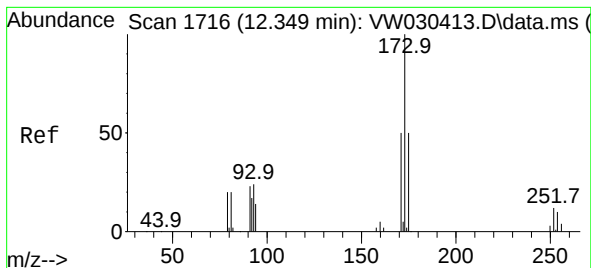
Ion Ratio Lower Upper

83 100

85 60.4 43.9 81.5

131 9.9 7.1 10.7





#59

Bromoform

Concen: 21.756 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

ClientSampleId :

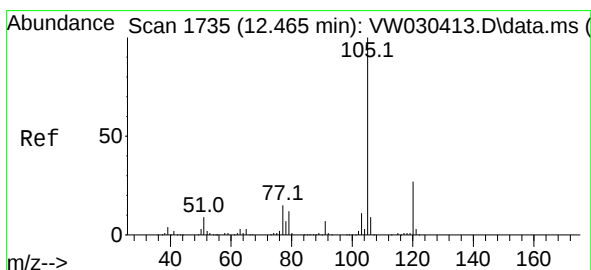
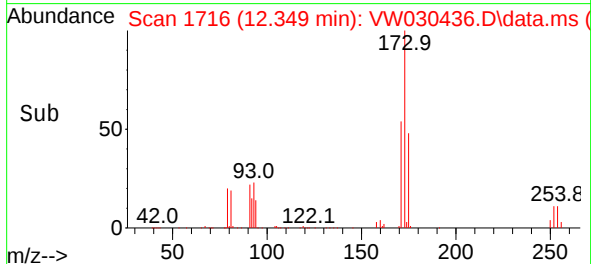
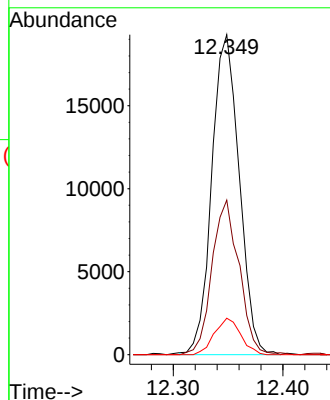
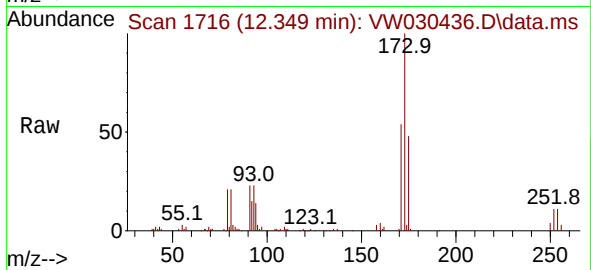
Tgt Ion:173 Resp: 33500

Ion Ratio Lower Upper

173 100

175 47.7 38.7 58.1

254 10.9 7.4 11.2



#60

Isopropylbenzene

Concen: 21.787 ug/L

RT: 12.465 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

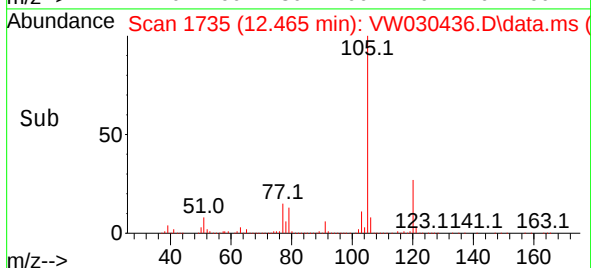
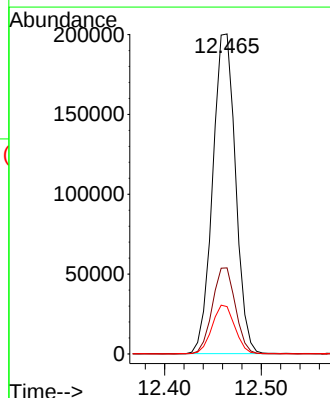
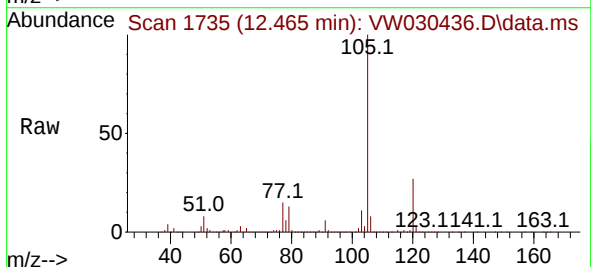
Tgt Ion:105 Resp: 328682

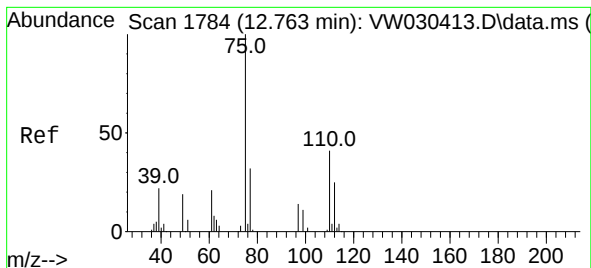
Ion Ratio Lower Upper

105 100

120 27.2 21.2 31.8

77 15.1 13.0 19.6





#61

1,2,3-Trichloropropane

Concen: 23.564 ug/L

RT: 12.763 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

ClientSampleId :

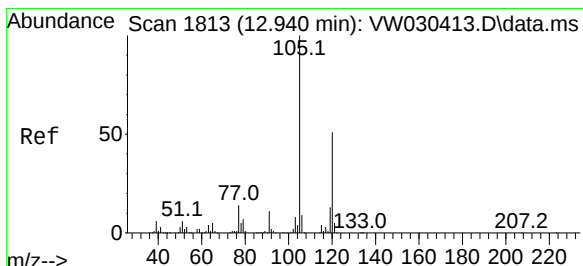
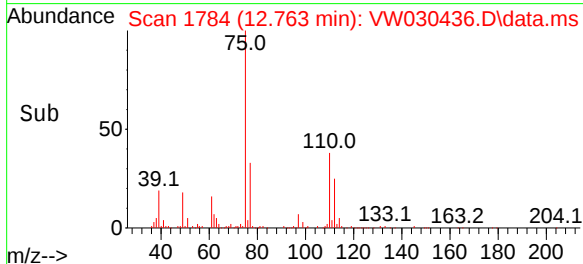
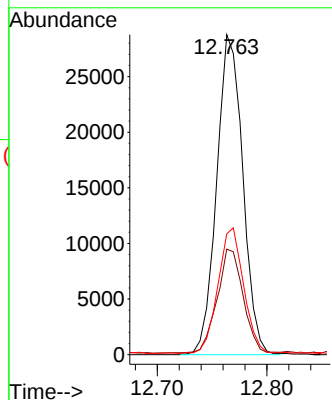
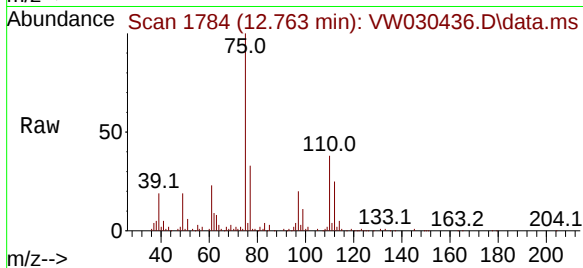
Tgt Ion: 75 Resp: 47612

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2

110 38.8 30.8 46.2



#62

1,3,5-Trimethylbenzene

Concen: 25.992 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW030436.D

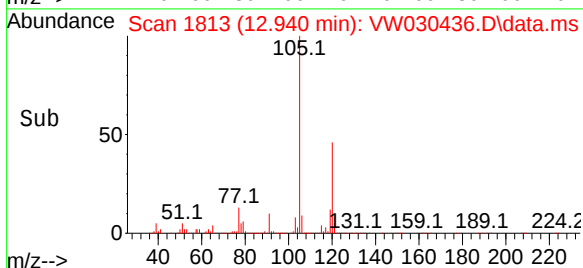
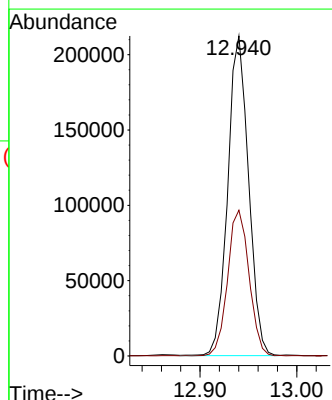
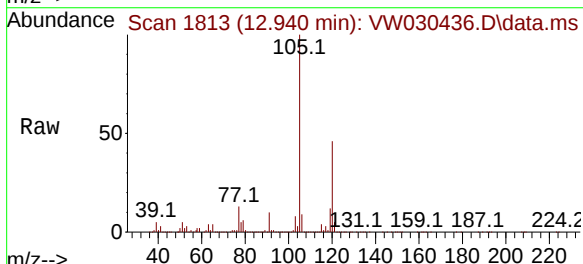
Acq: 07 Oct 2024 22:38

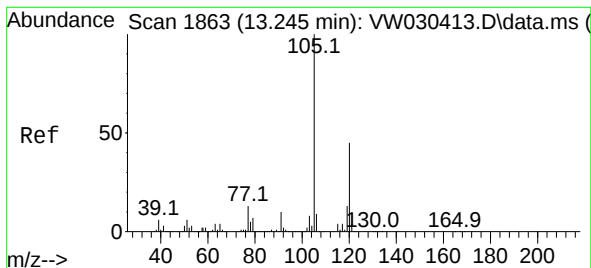
Tgt Ion:105 Resp: 317161

Ion Ratio Lower Upper

105 100

120 46.9 37.4 56.0





#63

1,2,4-Trimethylbenzene

Concen: 23.873 ug/L

RT: 13.245 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

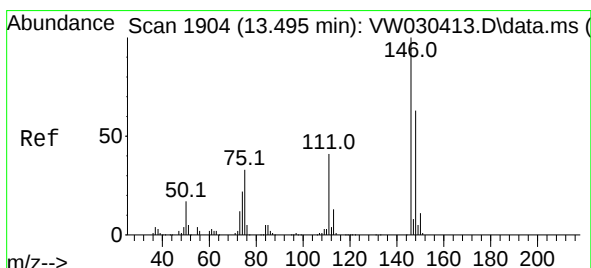
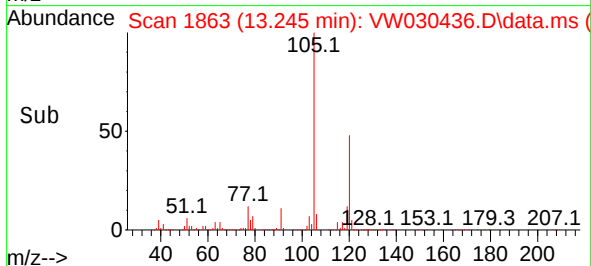
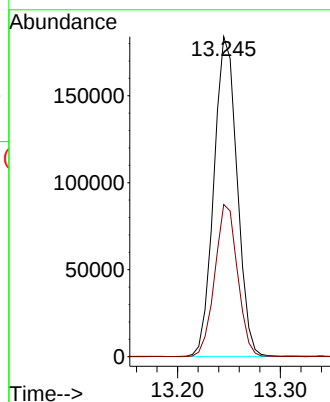
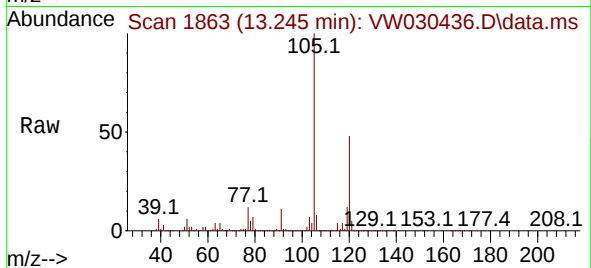
ClientSampleId :

Tgt Ion:105 Resp: 287811

Ion Ratio Lower Upper

105 100

120 46.7 34.4 51.6



#64

1,3-Dichlorobenzene

Concen: 22.944 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

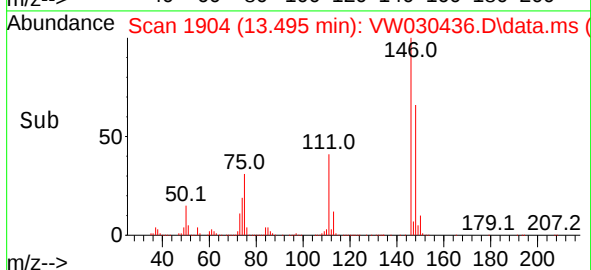
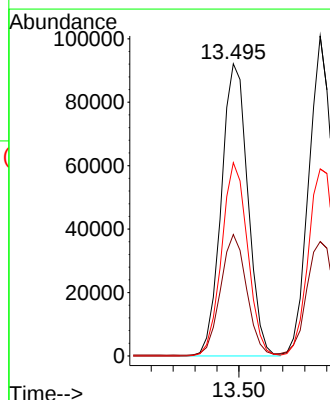
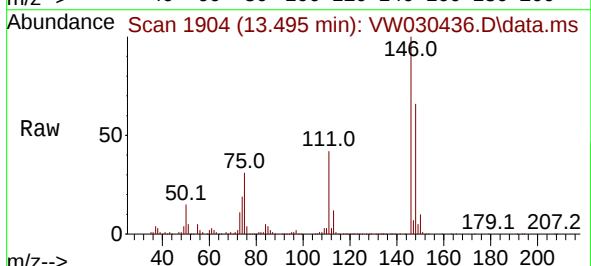
Tgt Ion:146 Resp: 154686

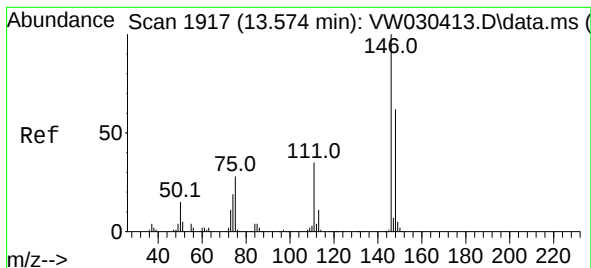
Ion Ratio Lower Upper

146 100

111 41.6 33.2 61.6

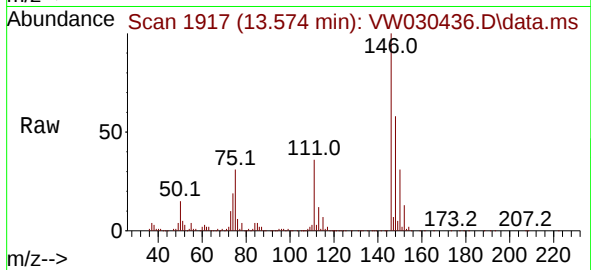
148 66.2 50.4 93.6



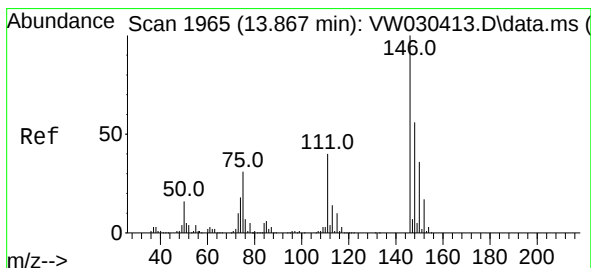
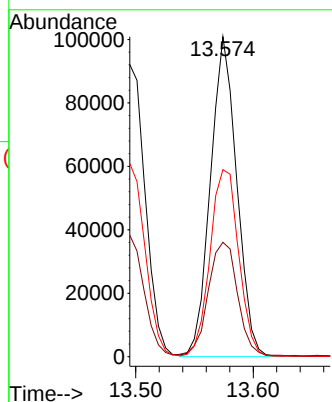
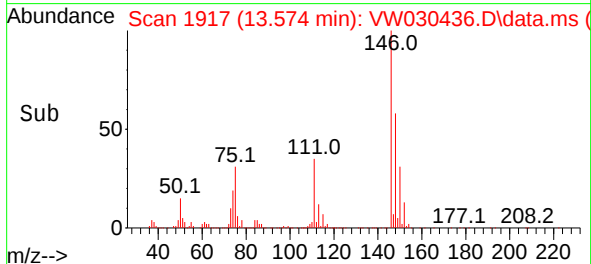


#65  
1,4-Dichlorobenzene  
Concen: 22.808 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW030436.D  
Acq: 07 Oct 2024 22:38

Instrument :  
MSVOA\_W  
ClientSampleId :

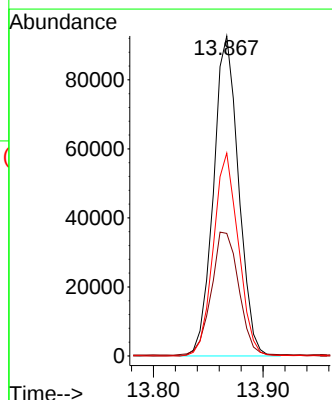
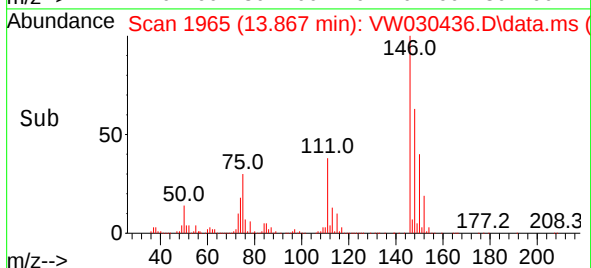
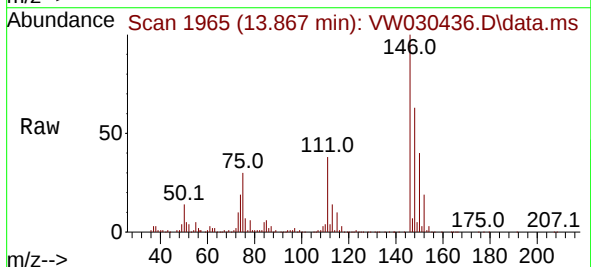


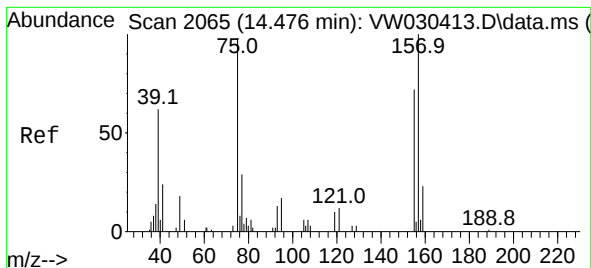
Tgt Ion:146 Resp: 157080  
Ion Ratio Lower Upper  
146 100  
111 35.7 29.1 54.1  
148 58.5 42.1 78.1



#67  
1,2-Dichlorobenzene  
Concen: 24.563 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. 0.000 min  
Lab File: VW030436.D  
Acq: 07 Oct 2024 22:38

Tgt Ion:146 Resp: 147632  
Ion Ratio Lower Upper  
146 100  
111 38.3 40.1 60.1#  
148 63.4 55.7 83.5





#68

1,2-Dibromo-3-chloropropane

Concen: 22.041 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

ClientSampleId :

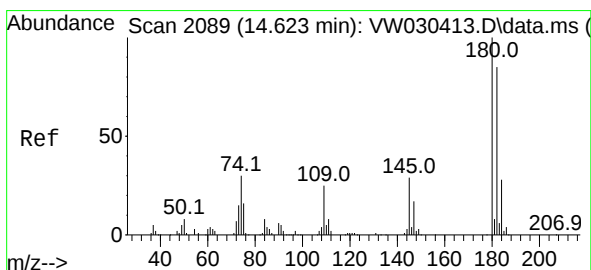
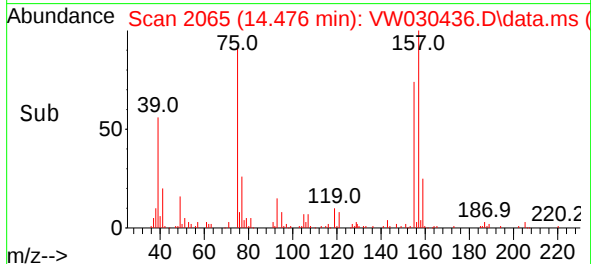
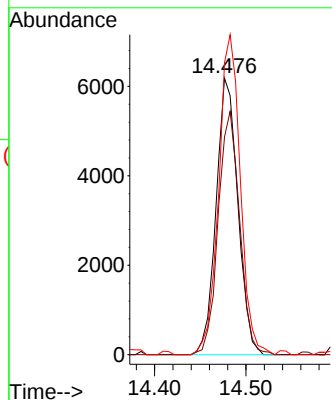
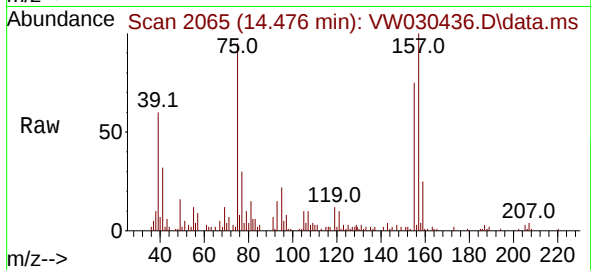
Tgt Ion: 75 Resp: 10204

Ion Ratio Lower Upper

75 100

155 78.8 60.1 90.1

157 105.6 74.3 111.5



#69

1,3,5-Trichlorobenzene

Concen: 24.194 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Tgt Ion:180 Resp: 112577

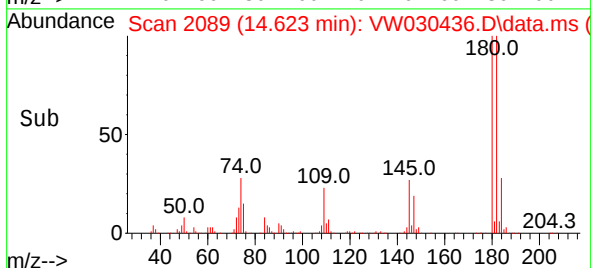
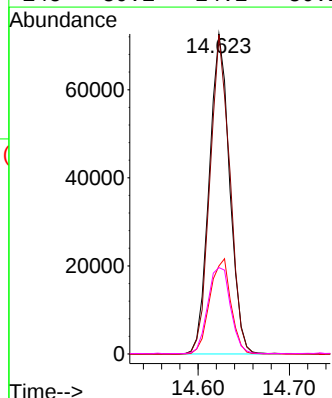
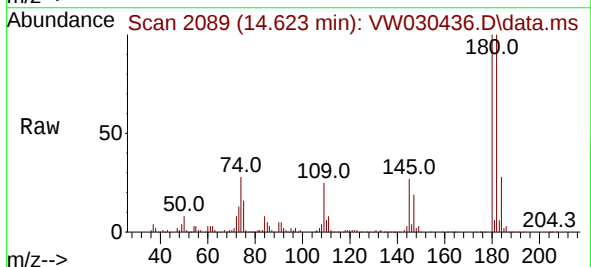
Ion Ratio Lower Upper

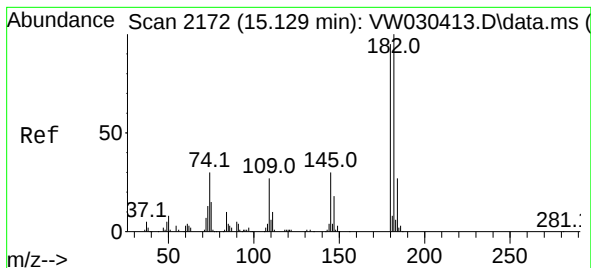
180 100

182 97.0 77.4 116.2

184 30.7 24.5 36.7

145 30.1 24.2 36.2





#70

1,2,4-trichlorobenzene

Concen: 25.931 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

Instrument :

MSVOA\_W

ClientSampleId :

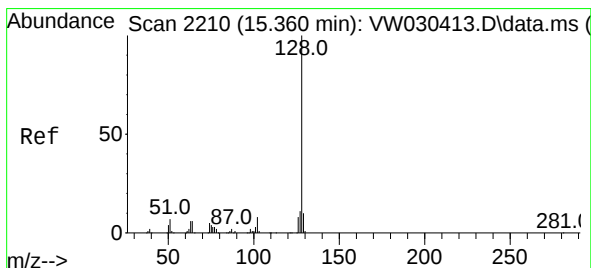
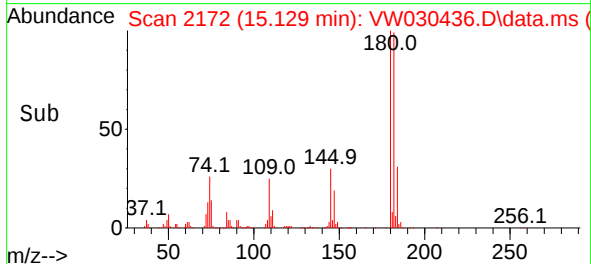
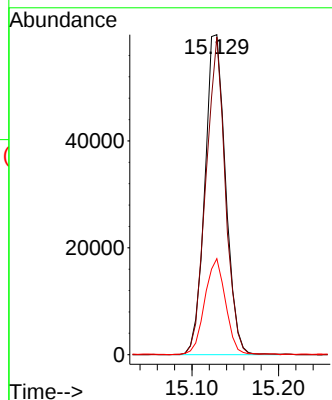
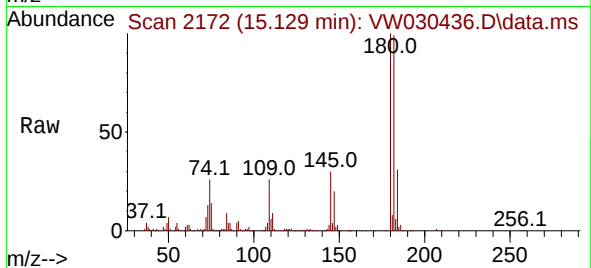
Tgt Ion:180 Resp: 99902

Ion Ratio Lower Upper

180 100

182 92.6 77.2 115.8

145 30.0 25.3 37.9



#71

Naphthalene

Concen: 27.151 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW030436.D

Acq: 07 Oct 2024 22:38

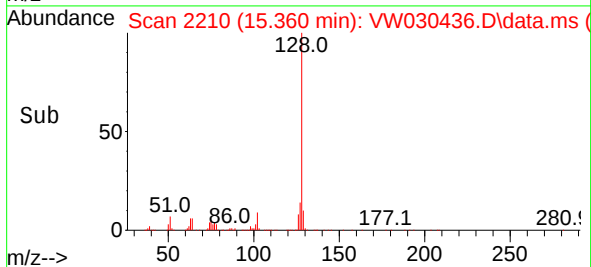
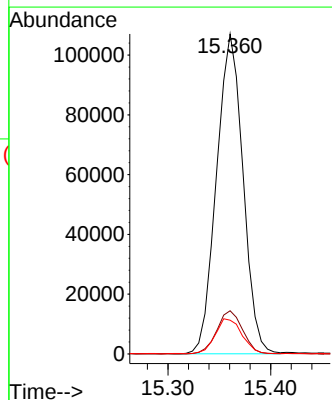
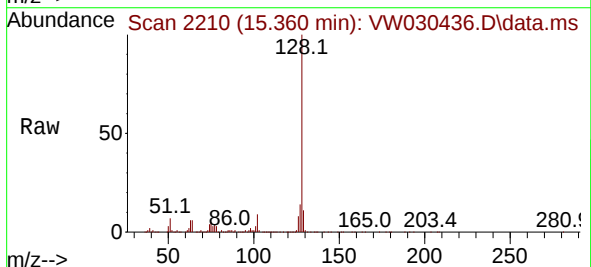
Tgt Ion:128 Resp: 191324

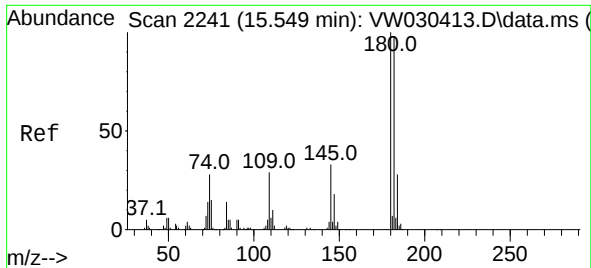
Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

129 11.1 8.8 13.2





#72  
 1,2,3-Trichlorobenzene  
 Concen: 26.254 ug/L  
 RT: 15.549 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VW030436.D  
 Acq: 07 Oct 2024 22:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Tgt Ion:180 Resp: 88534  
 Ion Ratio Lower Upper  
 180 100  
 182 91.3 75.6 113.4  
 145 33.2 25.6 38.4

