

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022924\  
 Data File : VW028083.D  
 Acq On : 29 Feb 2024 10:51  
 Operator : SY/MD  
 Sample : VSTD005  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 01 00:22:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 01 00:20:35 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114  | 256090   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 228096   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 118037   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65   | 16127    | 5.275  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.899  | 69   | 11475    | 4.846  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65   | 6243     | 5.000  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.093  | 46   | 3628     | 8.320  | ug/L   | 0.01     |
| 24) Chloroform-d              | 7.648  | 84   | 25518    | 4.705  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65   | 11985    | 4.748  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.276  | 84   | 51232    | 4.811  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67   | 13031    | 4.737  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.325 | 98   | 47227    | 4.706  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79   | 5323     | 4.415  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.928 | 63   | 3062     | 7.902  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 10110    | 4.656  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152  | 15538    | 4.426  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.015  | 85   | 12754    | 4.896  | ug/L   | 94       |
| 3) Chloromethane              | 2.222  | 50   | 12428    | 4.996  | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62   | 17922    | 5.170  | ug/L   | 99       |
| 6) Bromomethane               | 2.795  | 94   | 13670    | 4.943  | ug/L   | 96       |
| 8) Chloroethane               | 2.942  | 64   | 11363    | 5.219  | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.277  | 101  | 15451    | 4.778  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101  | 16596    | 4.937  | ug/L # | 77       |
| 12) 1,1-Dichloroethene        | 4.051  | 96   | 16225    | 5.097  | ug/L   | 95       |
| 13) Acetone                   | 4.124  | 43   | 4836     | 7.988  | ug/L   | 67       |
| 14) Carbon disulfide          | 4.393  | 76   | 49812    | 5.137  | ug/L   | 99       |
| 15) Methyl Acetate            | 4.679  | 43   | 4207     | 4.883  | ug/L # | 73       |
| 16) Methylene chloride        | 4.923  | 84   | 22036    | 6.255  | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96   | 17460    | 5.133  | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73   | 21040    | 5.051  | ug/L # | 86       |
| 19) 1,1-Dichloroethane        | 6.222  | 63   | 27831    | 5.174  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96   | 18524    | 5.174  | ug/L   | 98       |
| 22) 2-Butanone                | 7.179  | 43   | 5623     | 8.260  | ug/L   | 82       |
| 23) Bromochloromethane        | 7.520  | 128  | 8312     | 4.946  | ug/L   | 99       |
| 25) Chloroform                | 7.679  | 83   | 30682    | 5.107  | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 8.404  | 62   | 18398    | 5.150  | ug/L   | 96       |
| 29) Cyclohexane               | 7.959  | 56   | 22203    | 5.062  | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 26996    | 5.301  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 24463    | 5.144  | ug/L   | 97       |
| 33) Benzene                   | 8.325  | 78   | 65534    | 5.318  | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 19251    | 5.332  | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.331  | 83   | 28249    | 4.834  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 15386    | 5.362  | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 21697    | 5.235  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 22540    | 4.776  | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 11043    | 9.689  | ug/L   | 96       |
| 42) Toluene                   | 10.386 | 91   | 72785    | 5.227  | ug/L   | 93       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 18184    | 4.743  | ug/L   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022924\  
 Data File : VW028083.D  
 Acq On : 29 Feb 2024 10:51  
 Operator : SY/MD  
 Sample : VSTD005  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 01 00:22:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 01 00:20:35 2024  
 Response via : Initial Calibration

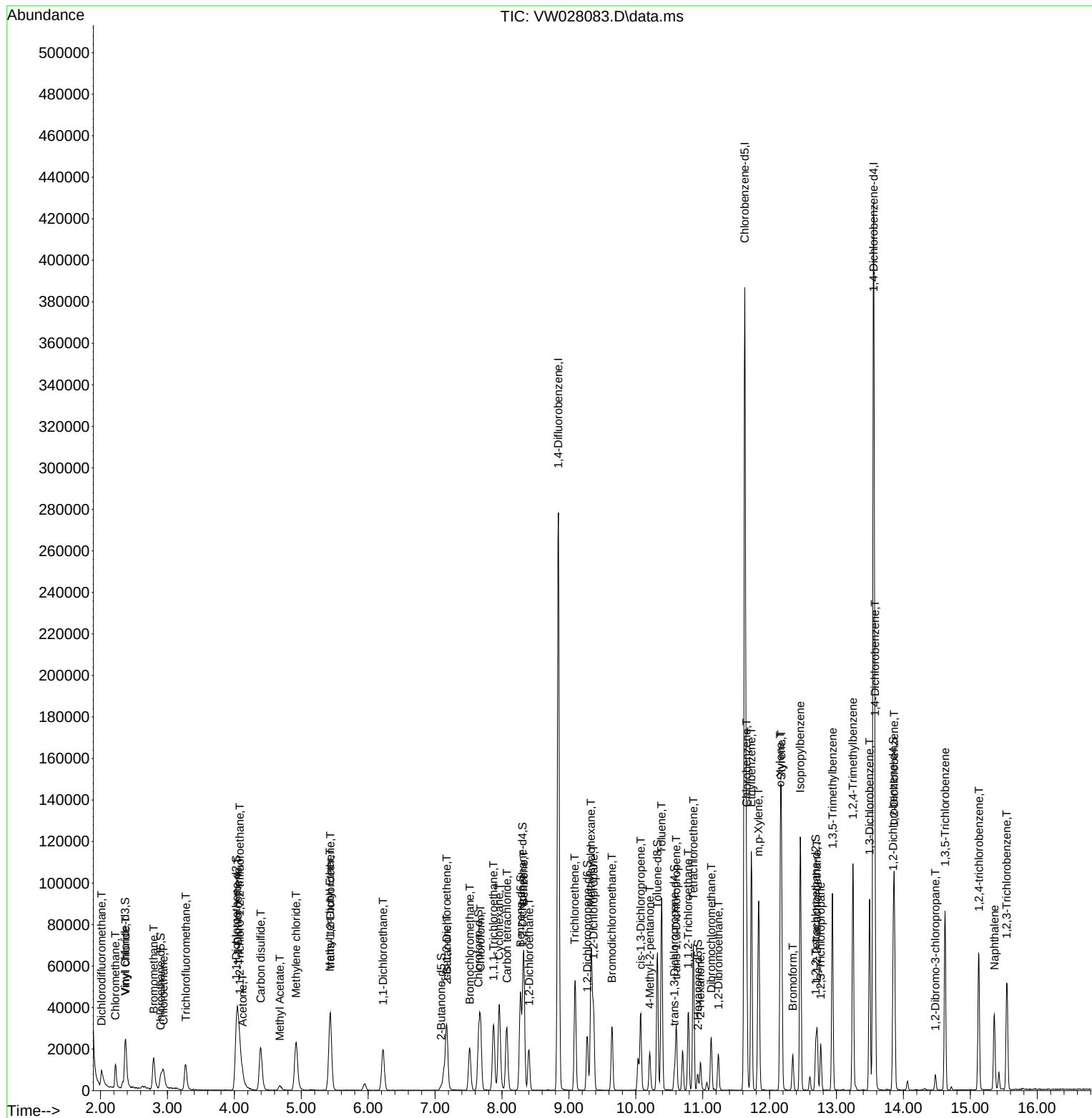
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 12587    | 5.230 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 15619    | 5.162 | ug/L   | 87       |
| 48) 2-Hexanone                | 10.965 | 43   | 7940     | 8.616 | ug/L   | 92       |
| 49) Dibromochloromethane      | 11.129 | 129  | 13790    | 4.929 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 11946    | 5.154 | ug/L   | 95       |
| 51) Chlorobenzene             | 11.654 | 112  | 48485    | 5.219 | ug/L   | 95       |
| 52) Ethylbenzene              | 11.727 | 91   | 81232    | 5.103 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.836 | 106  | 30805    | 4.987 | ug/L   | 95       |
| 54) o-Xylene                  | 12.160 | 106  | 29405    | 5.030 | ug/L   | 96       |
| 55) Styrene                   | 12.178 | 104  | 51476    | 5.164 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 13364    | 5.150 | ug/L # | 98       |
| 59) Bromoform                 | 12.349 | 173  | 8315     | 4.969 | ug/L # | 93       |
| 60) Isopropylbenzene          | 12.458 | 105  | 80783    | 4.989 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 9134     | 5.034 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 51059    | 4.809 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 60991    | 4.817 | ug/L   | 95       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 39178    | 5.235 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 40059    | 5.302 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.861 | 146  | 35680    | 5.293 | ug/L   | 89       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 1752     | 4.597 | ug/L # | 76       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 28724    | 5.201 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 22901    | 5.163 | ug/L   | 97       |
| 71) Naphthalene               | 15.360 | 128  | 34140    | 4.706 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 18754    | 5.056 | ug/L   | 96       |
| -----                         |        |      |          |       |        |          |

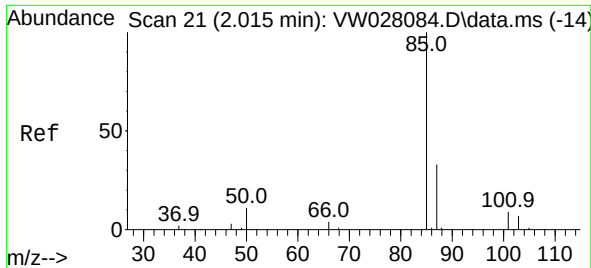
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022924\  
 Data File : VW028083.D  
 Acq On : 29 Feb 2024 10:51  
 Operator : SY/MD  
 Sample : VSTD005  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 01 00:22:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022924SMA.M  
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 QLast Update : Fri Mar 01 00:20:35 2024  
 Response via : Initial Calibration

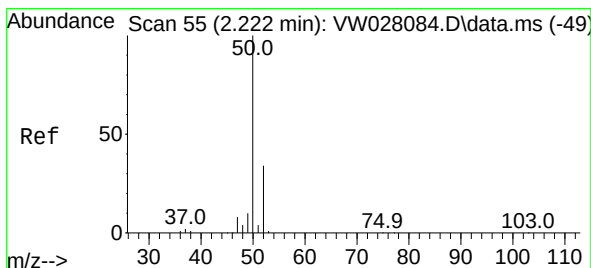
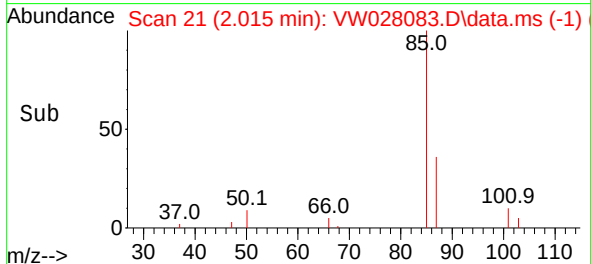
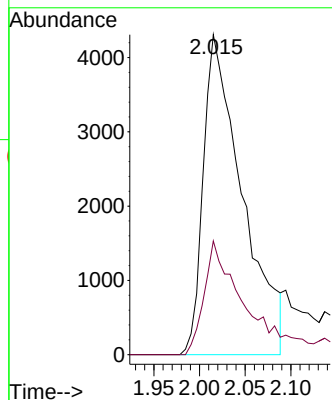
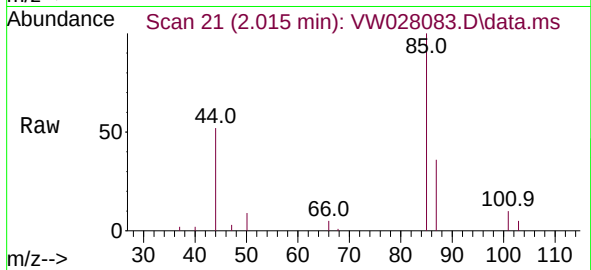




#2  
 Dichlorodifluoromethane  
 Concen: 4.896 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VW028083.D  
 Acq: 29 Feb 2024 10:51

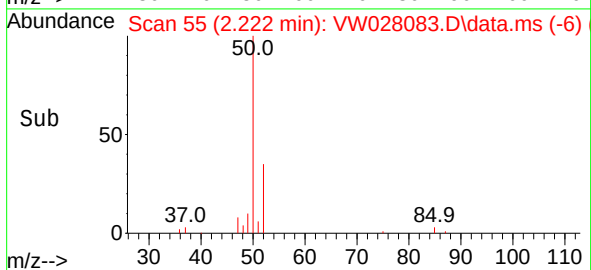
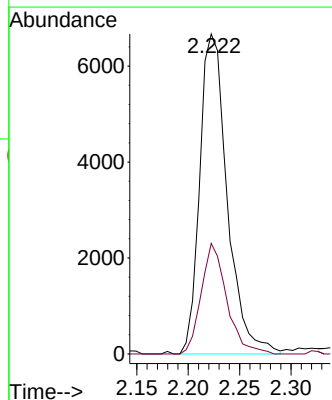
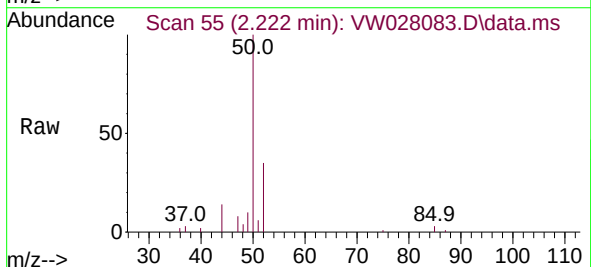
Instrument :  
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 ClientSampleId :

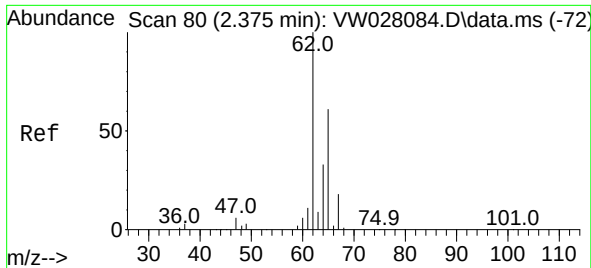
Tgt Ion: 85 Resp: 12754  
 Ion Ratio Lower Upper  
 85 100  
 87 29.8 26.6 39.8



#3  
 Chloromethane  
 Concen: 4.996 ug/L  
 RT: 2.222 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VW028083.D  
 Acq: 29 Feb 2024 10:51

Tgt Ion: 50 Resp: 12428  
 Ion Ratio Lower Upper  
 50 100  
 52 34.5 23.7 43.9

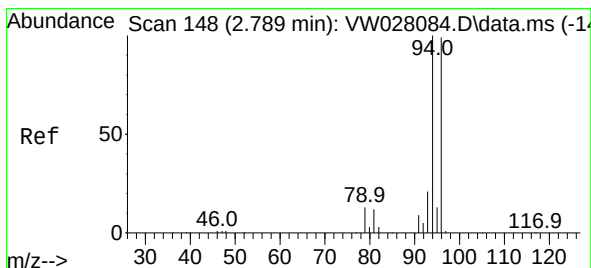
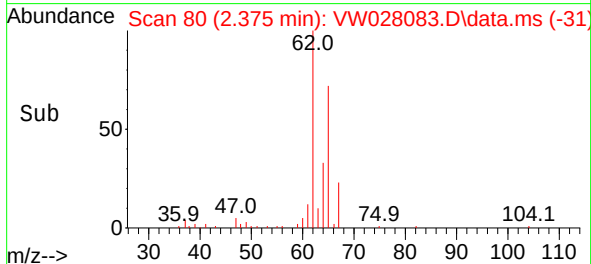
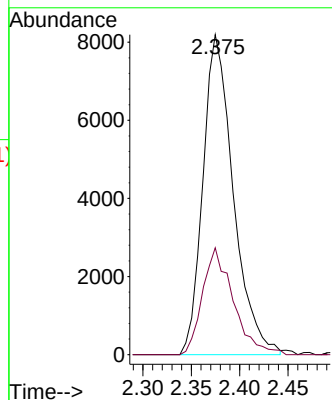
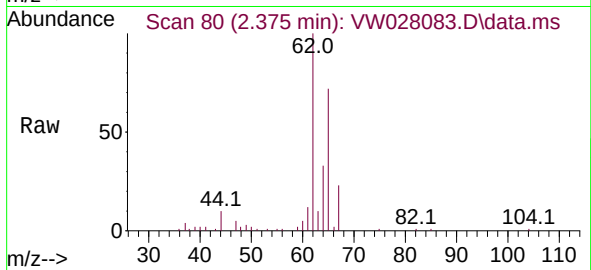




#5  
 Vinyl chloride  
 Concen: 5.170 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW028083.D  
 Acq: 29 Feb 2024 10:51

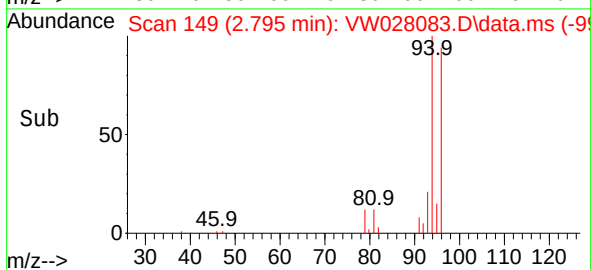
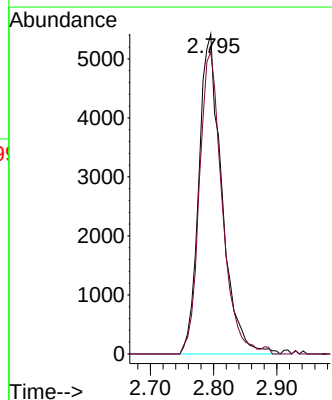
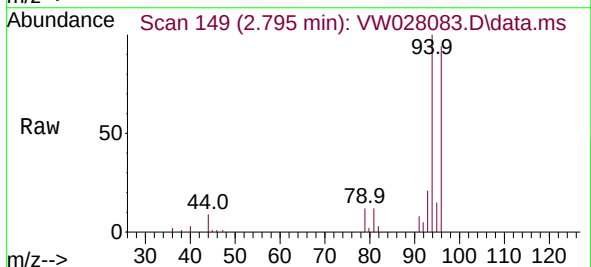
Instrument :  
 MSVOA\_W  
 ClientSampleId :

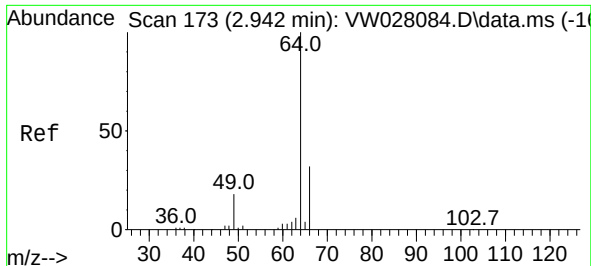
Tgt Ion: 62 Resp: 17922  
 Ion Ratio Lower Upper  
 62 100  
 64 33.4 23.2 43.0



#6  
 Bromomethane  
 Concen: 4.943 ug/L  
 RT: 2.795 min Scan# 149  
 Delta R.T. 0.006 min  
 Lab File: VW028083.D  
 Acq: 29 Feb 2024 10:51

Tgt Ion: 94 Resp: 13670  
 Ion Ratio Lower Upper  
 94 100  
 96 94.3 69.1 128.3

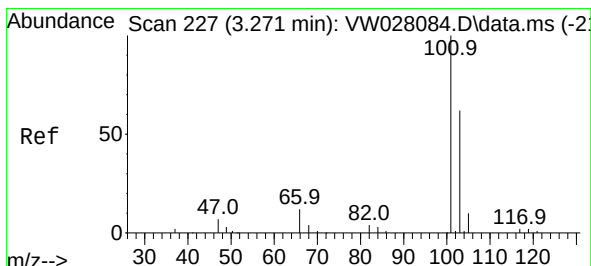
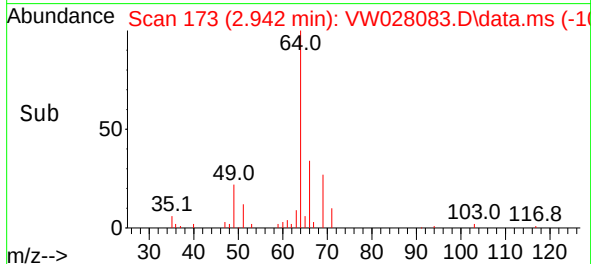
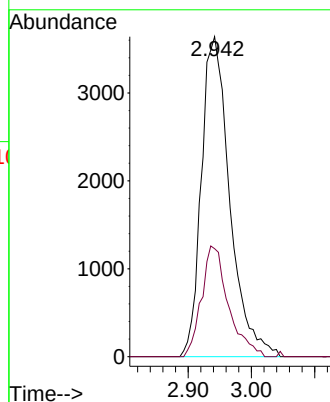
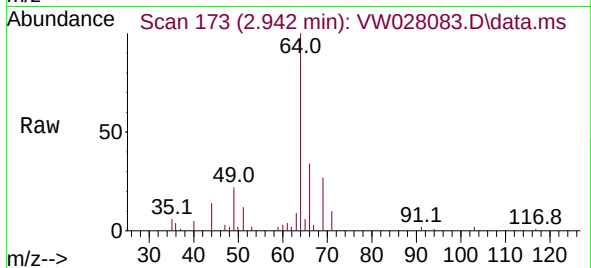




#8  
Chloroethane  
Concen: 5.219 ug/L  
RT: 2.942 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

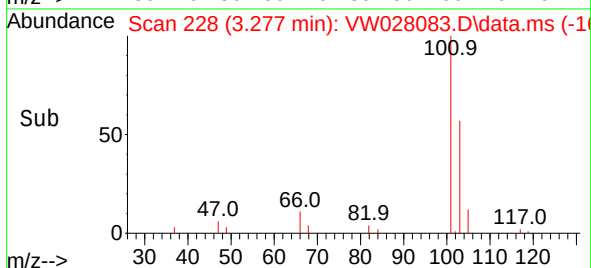
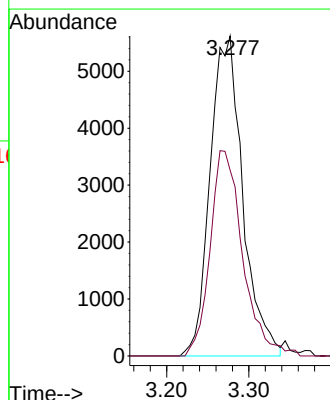
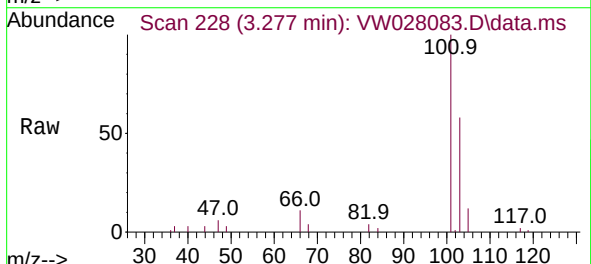
Instrument :  
MSVOA\_W  
ClientSampleId :

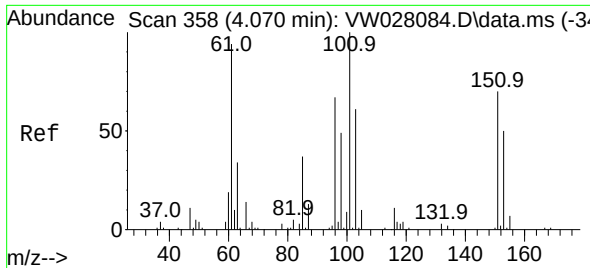
Tgt Ion: 64 Resp: 11363  
Ion Ratio Lower Upper  
64 100  
66 33.8 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 4.778 ug/L  
RT: 3.277 min Scan# 228  
Delta R.T. 0.006 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

Tgt Ion:101 Resp: 15451  
Ion Ratio Lower Upper  
101 100  
103 63.8 52.6 78.8





#10

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

Concen: 4.937 ug/L

RT: 4.082 min Scan# 3

Delta R.T. 0.012 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

ClientSampleId :

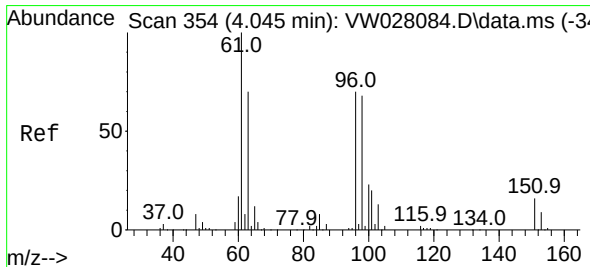
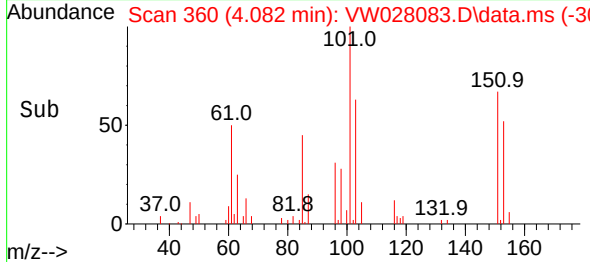
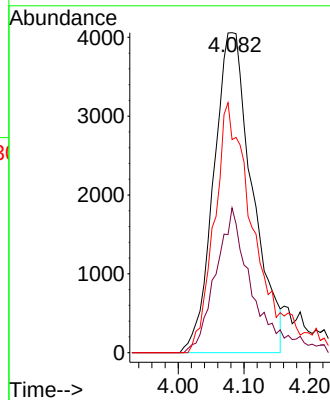
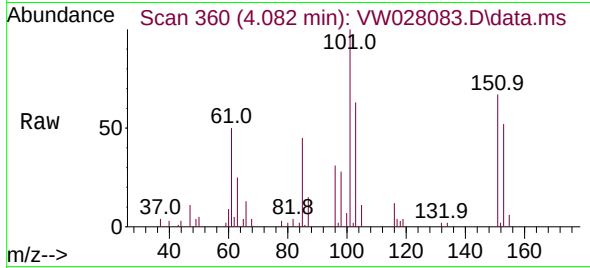
Tgt Ion:101 Resp: 16596

Ion Ratio Lower Upper

101 100

85 41.4 33.1 49.7

151 37.1 53.7 80.5#



#12

1,1-Dichloroethene

Concen: 5.097 ug/L

RT: 4.051 min Scan# 355

Delta R.T. 0.006 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

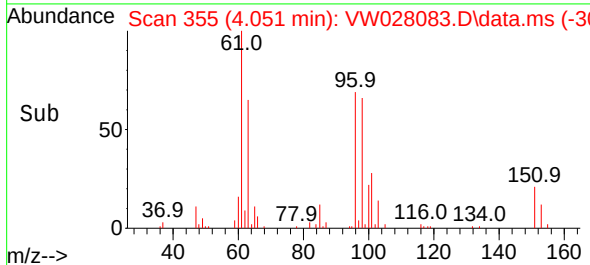
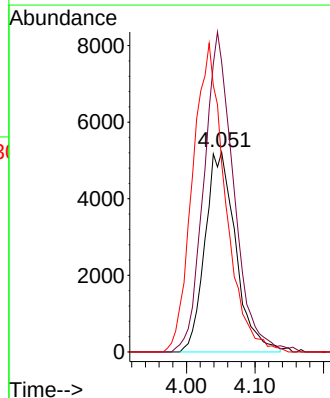
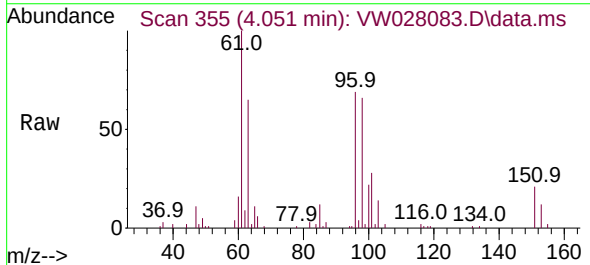
Tgt Ion: 96 Resp: 16225

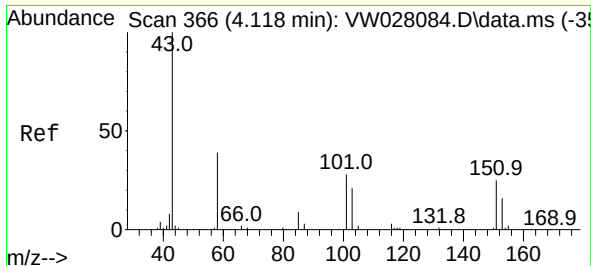
Ion Ratio Lower Upper

96 100

61 145.1 100.5 186.7

63 94.7 72.9 135.5

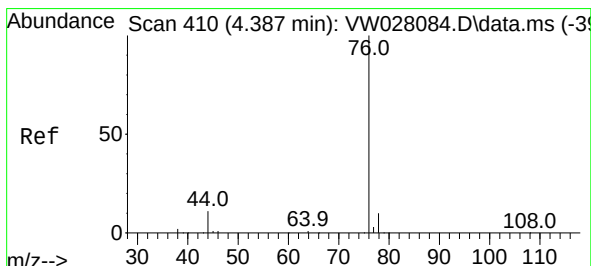
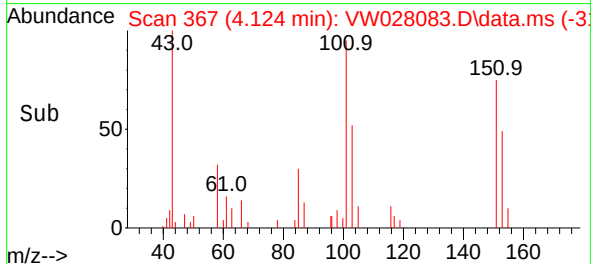
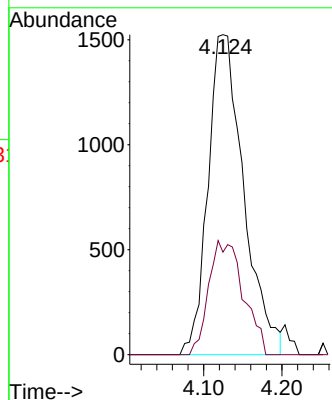
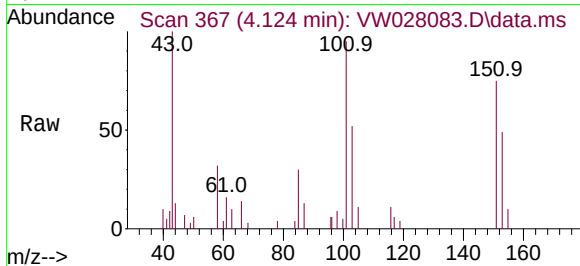




#13  
Acetone  
Concen: 7.988 ug/L  
RT: 4.124 min Scan# 367  
Delta R.T. 0.006 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

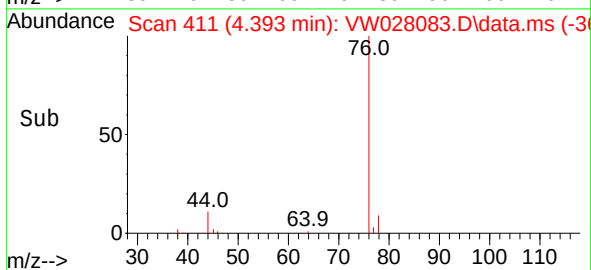
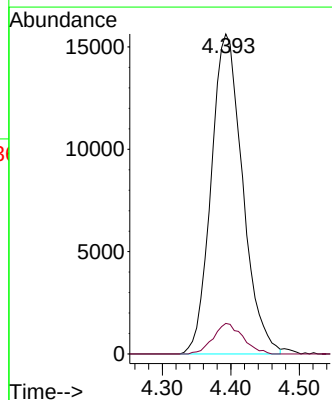
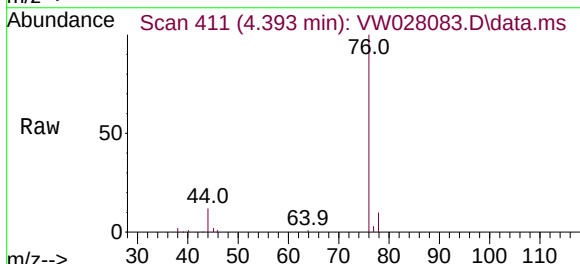
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 4836  
Ion Ratio Lower Upper  
43 100  
58 15.8 0.0 70.0

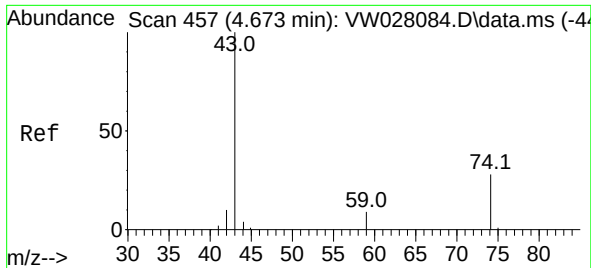


#14  
Carbon disulfide  
Concen: 5.137 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

Tgt Ion: 76 Resp: 49812  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.9 11.9



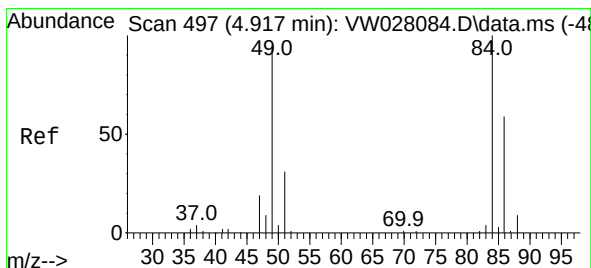
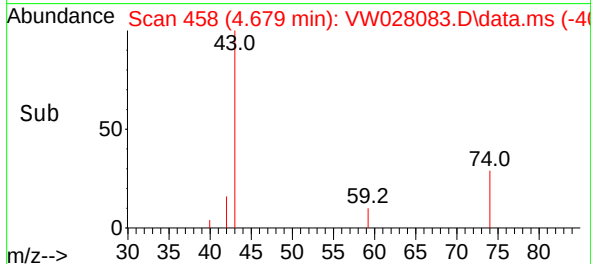
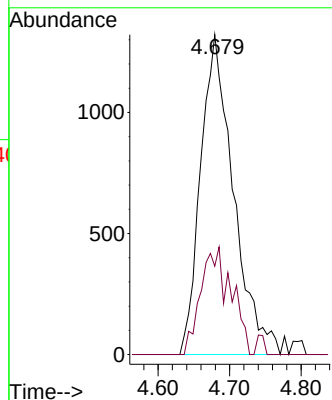
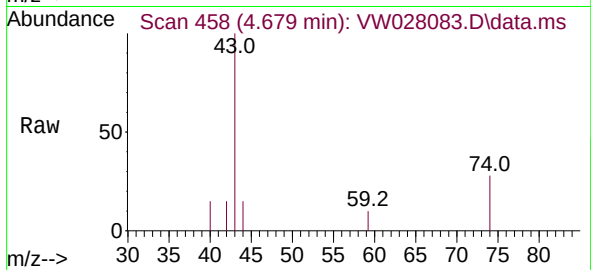




#15  
Methyl Acetate  
Concen: 4.883 ug/L  
RT: 4.679 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

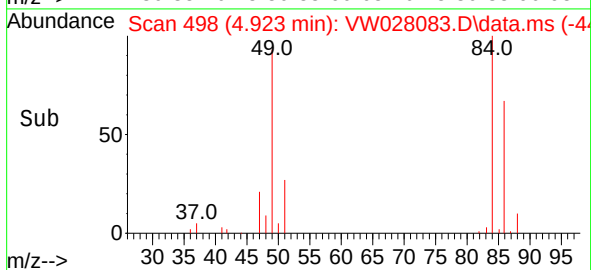
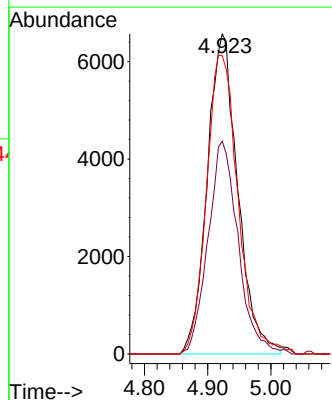
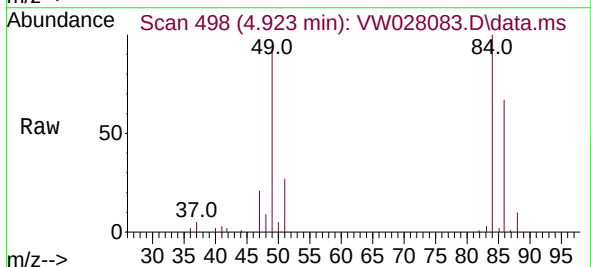
Instrument :  
MSVOA\_W  
ClientSampleId :

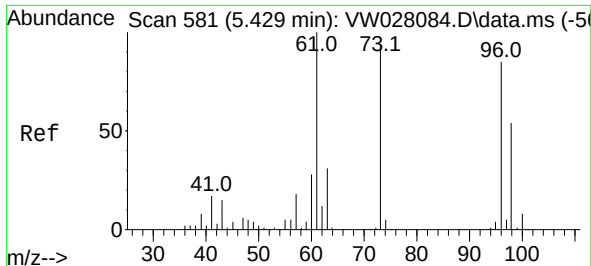
Tgt Ion: 43 Resp: 4207  
Ion Ratio Lower Upper  
43 100  
74 15.9 24.3 36.5#



#16  
Methylene chloride  
Concen: 6.255 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

Tgt Ion: 84 Resp: 22036  
Ion Ratio Lower Upper  
84 100  
86 66.5 41.2 76.6  
49 93.2 66.5 123.5





#17

trans-1,2-Dichloroethene

Concen: 5.133 ug/L

RT: 5.435 min Scan# 582

Delta R.T. 0.006 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

ClientSampleId :

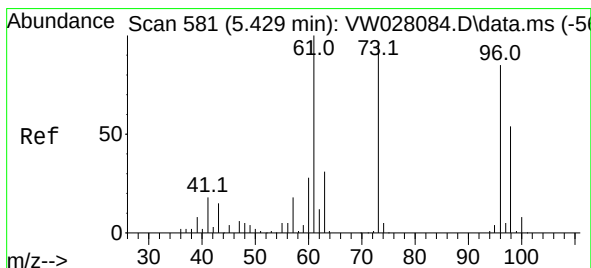
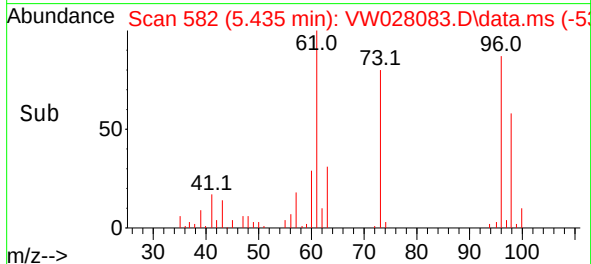
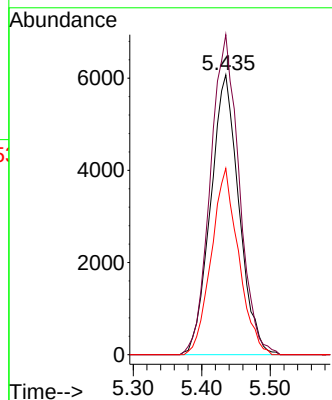
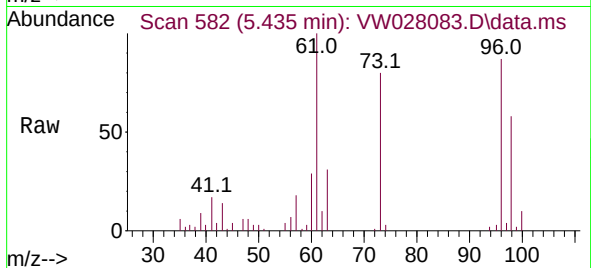
Tgt Ion: 96 Resp: 17460

Ion Ratio Lower Upper

96 100

61 114.3 82.6 153.4

98 66.5 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 5.051 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

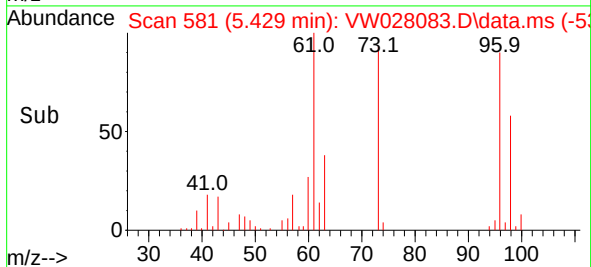
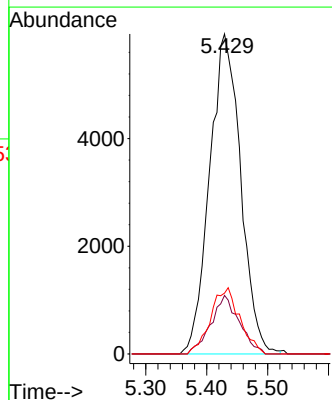
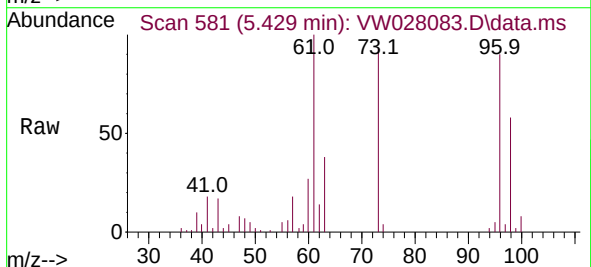
Tgt Ion: 73 Resp: 21040

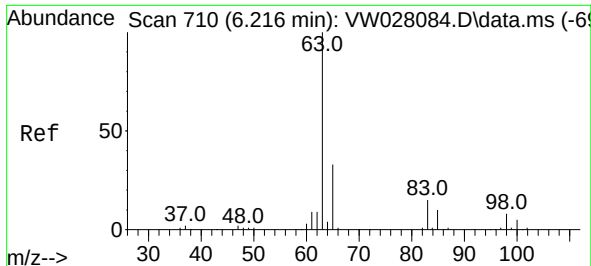
Ion Ratio Lower Upper

73 100

43 16.7 13.3 19.9

57 8.3 15.9 23.9#





#19

1,1-Dichloroethane

Concen: 5.174 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.006 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

ClientSampleId :

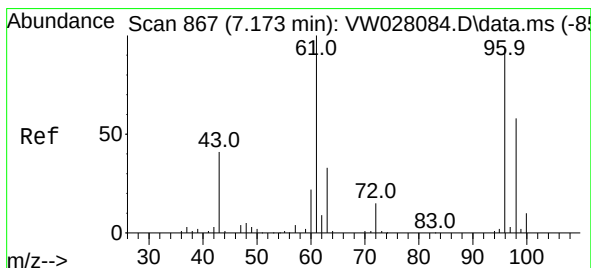
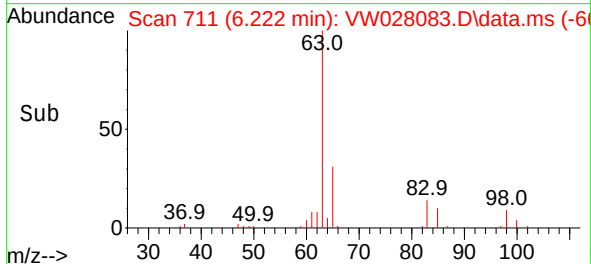
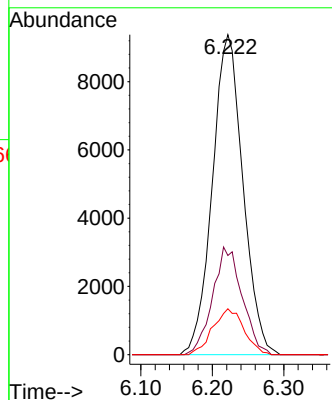
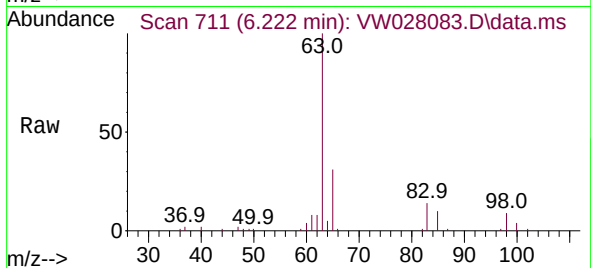
Tgt Ion: 63 Resp: 27831

Ion Ratio Lower Upper

63 100

65 31.0 23.2 43.0

83 14.4 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 5.174 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

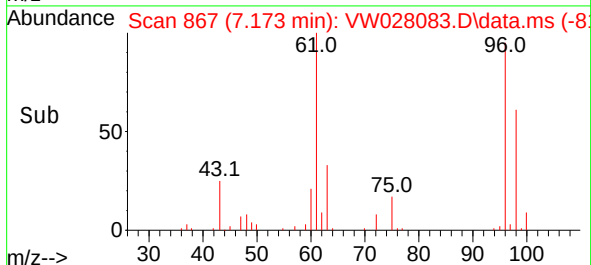
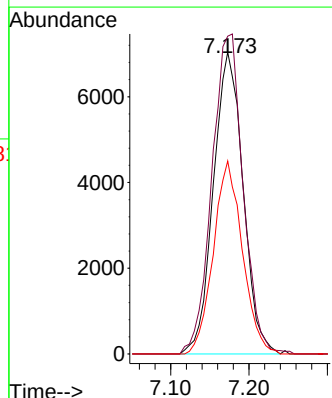
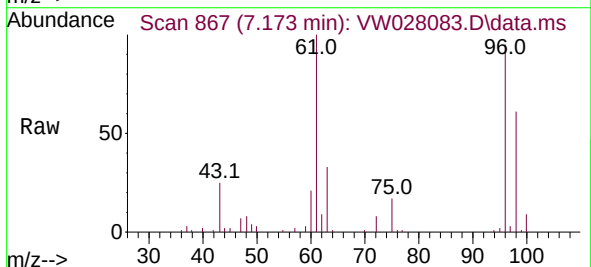
Tgt Ion: 96 Resp: 18524

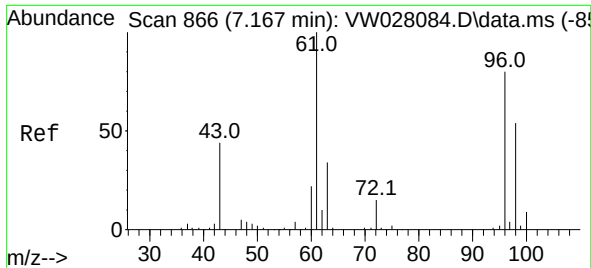
Ion Ratio Lower Upper

96 100

61 105.2 75.5 140.1

98 63.9 43.8 81.4

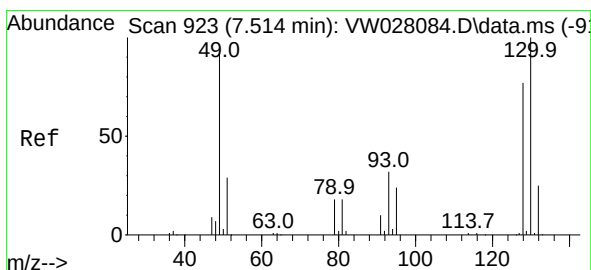
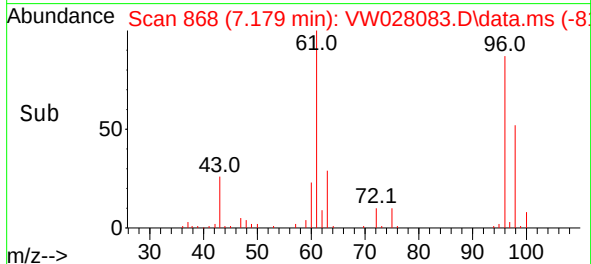
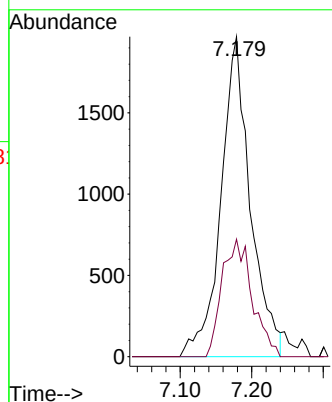
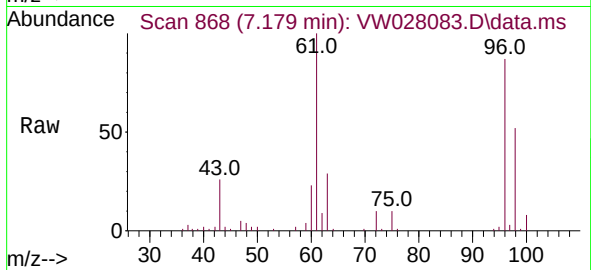




#22  
2-Butanone  
Concen: 8.260 ug/L  
RT: 7.179 min Scan# 867  
Delta R.T. 0.012 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

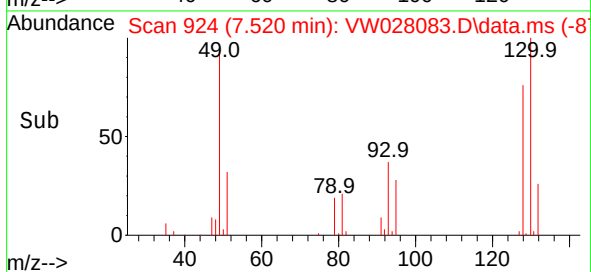
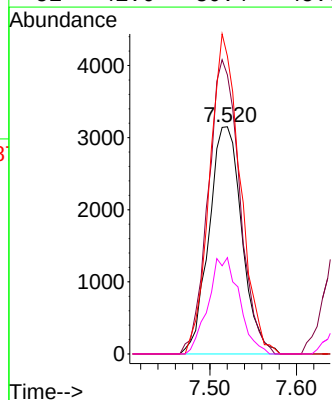
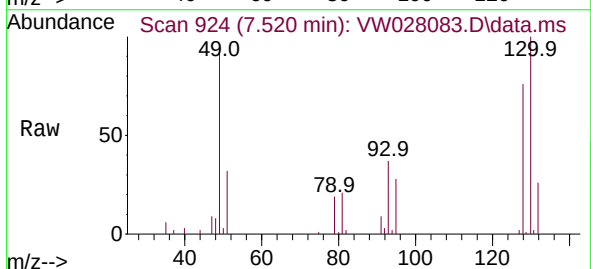
Instrument :  
MSVOA\_W  
ClientSampleId :

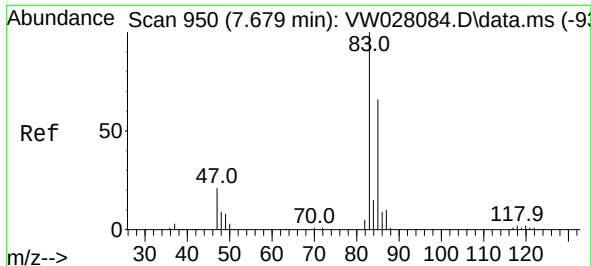
Tgt Ion: 43 Resp: 5623  
Ion Ratio Lower Upper  
43 100  
72 26.2 18.4 55.0



#23  
Bromochloromethane  
Concen: 4.946 ug/L  
RT: 7.520 min Scan# 924  
Delta R.T. 0.006 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

Tgt Ion: 128 Resp: 8312  
Ion Ratio Lower Upper  
128 100  
49 120.6 84.4 156.8  
130 130.6 91.1 169.3  
51 41.6 30.4 45.6





#25

Chloroform

Concen: 5.107 ug/L

RT: 7.679 min Scan# 90

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

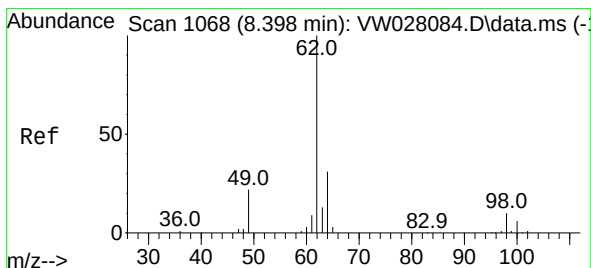
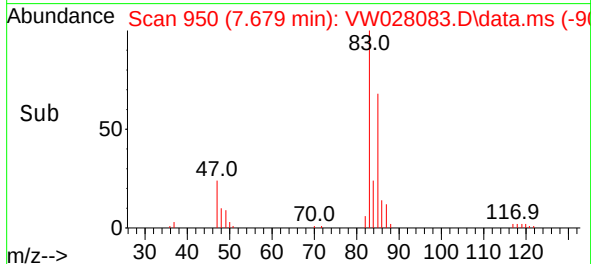
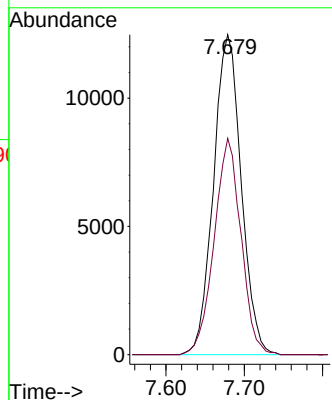
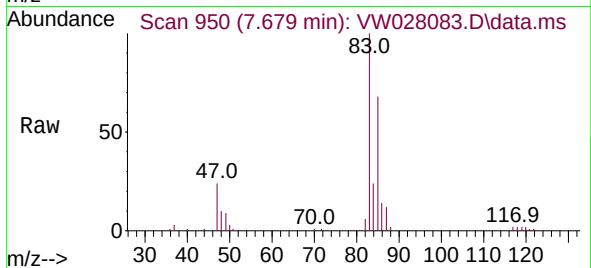
ClientSampleId :

Tgt Ion: 83 Resp: 30682

Ion Ratio Lower Upper

83 100

85 67.6 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.150 ug/L

RT: 8.404 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VW028083.D

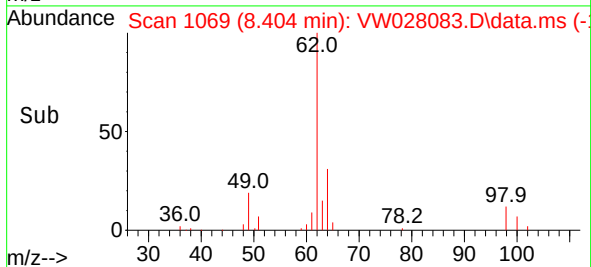
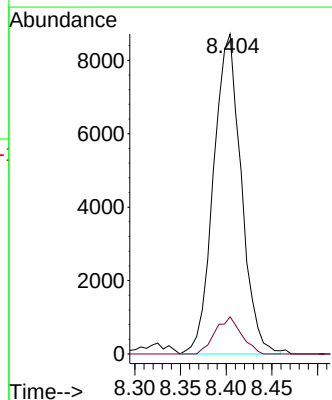
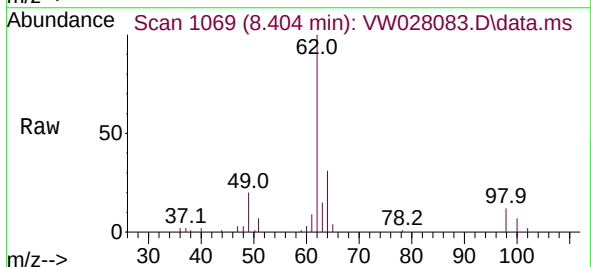
Acq: 29 Feb 2024 10:51

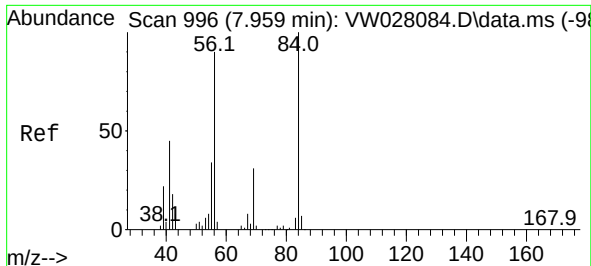
Tgt Ion: 62 Resp: 18398

Ion Ratio Lower Upper

62 100

98 11.6 8.2 12.4





#29

Cyclohexane

Concen: 5.062 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

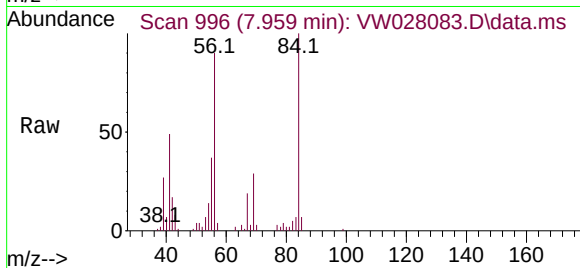
Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

ClientSampleId :



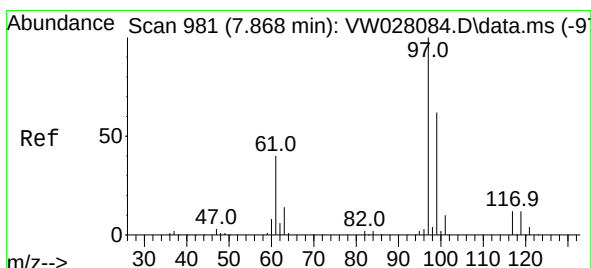
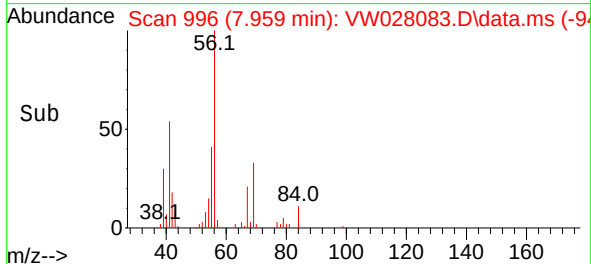
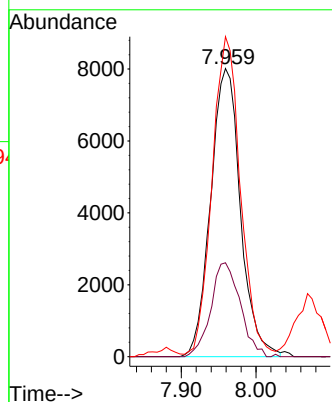
Tgt Ion: 56 Resp: 22203

Ion Ratio Lower Upper

56 100

69 32.1 27.6 41.4

84 106.1 86.6 129.8



#30

1,1,1-Trichloroethane

Concen: 5.301 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

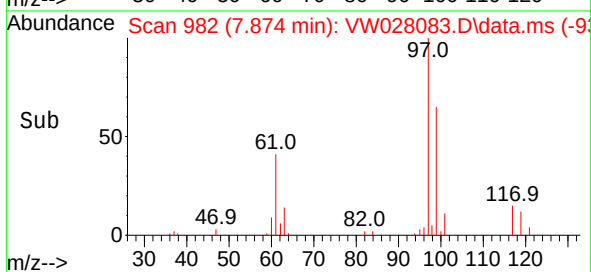
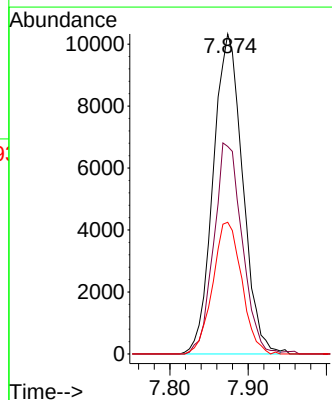
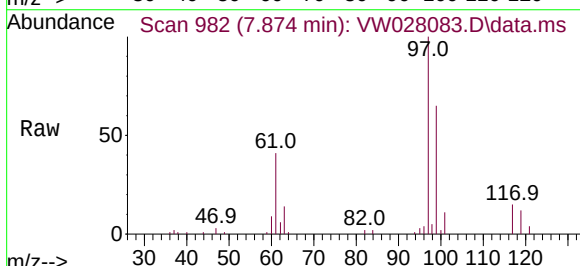
Tgt Ion: 97 Resp: 26996

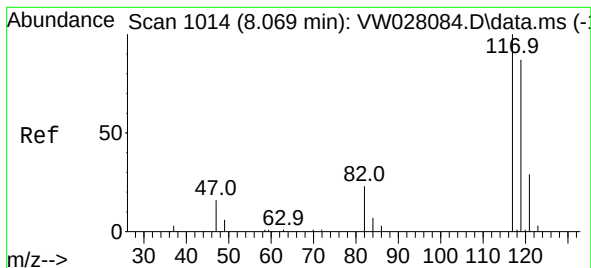
Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

61 40.4 31.8 47.6





#31

Carbon tetrachloride

Concen: 5.144 ug/L

RT: 8.075 min Scan# 1014

Delta R.T. 0.006 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

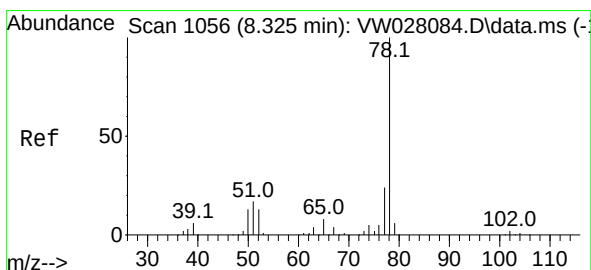
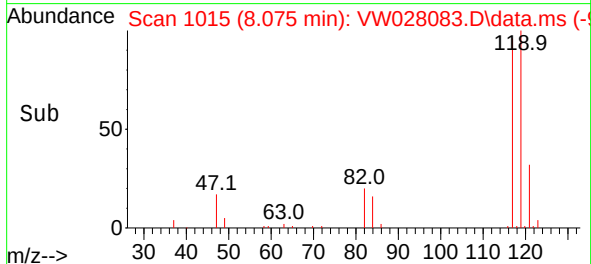
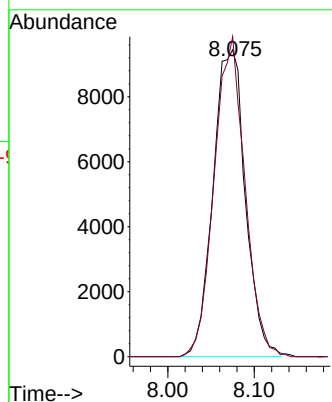
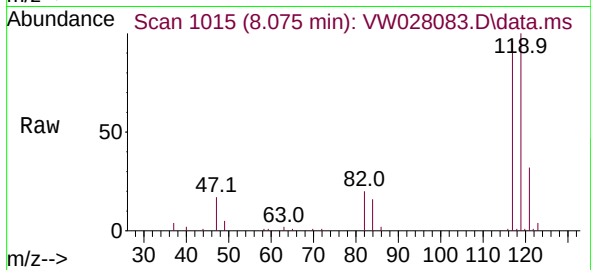
ClientSampleId :

Tgt Ion:117 Resp: 24463

Ion Ratio Lower Upper

117 100

119 99.1 76.8 115.2



#33

Benzene

Concen: 5.318 ug/L

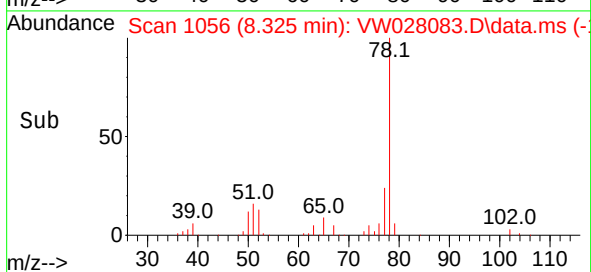
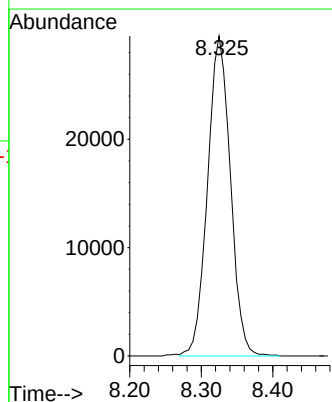
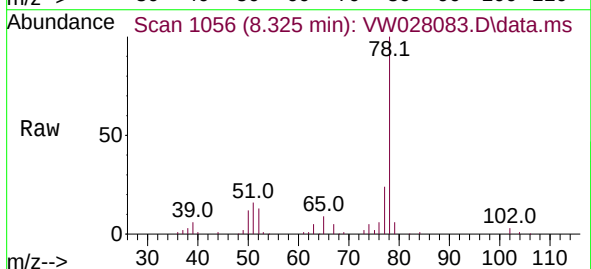
RT: 8.325 min Scan# 1056

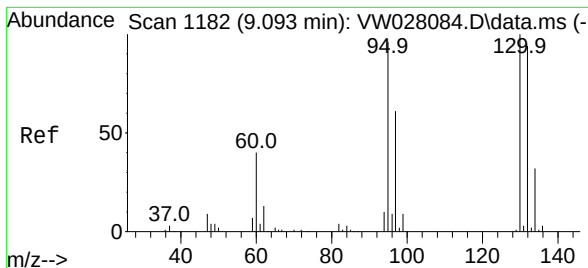
Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Tgt Ion: 78 Resp: 65534





#34

Trichloroethene

Concen: 5.332 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 95 Resp: 19251

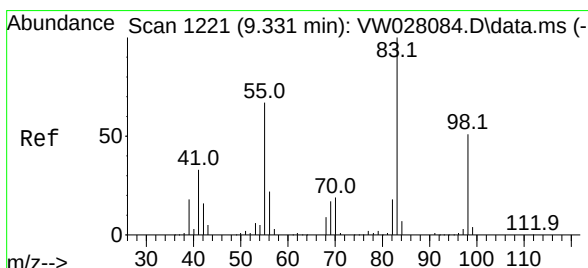
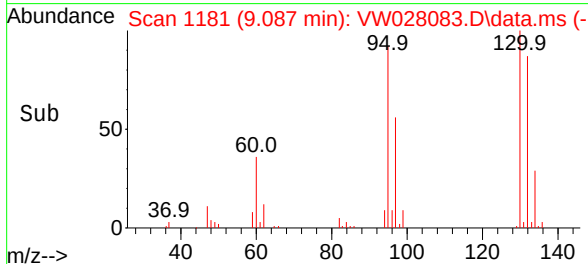
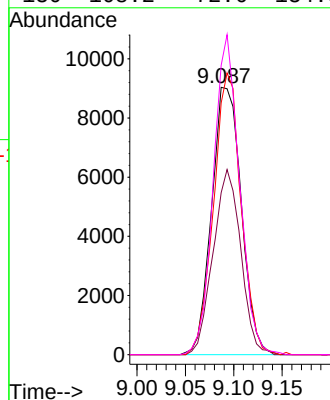
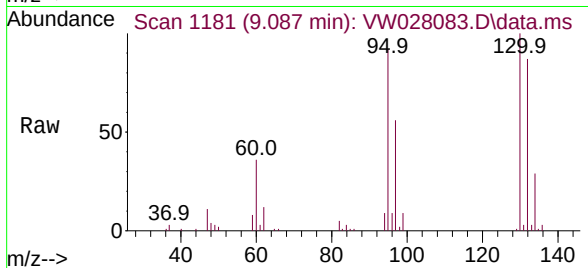
Ion Ratio Lower Upper

95 100

97 60.6 44.5 82.7

132 94.1 68.3 126.9

130 108.2 72.6 134.8



#35

Methylcyclohexane

Concen: 4.834 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

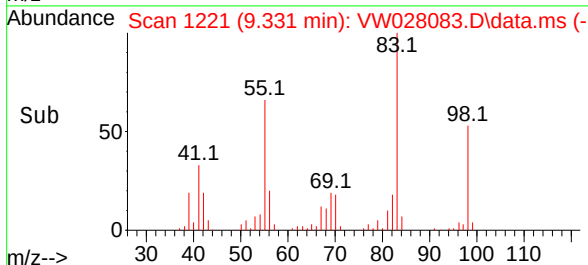
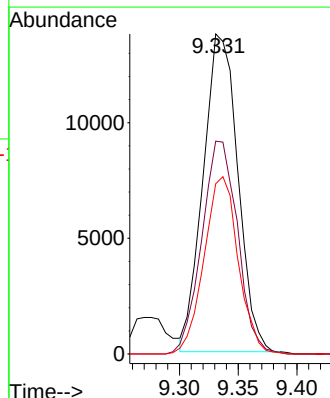
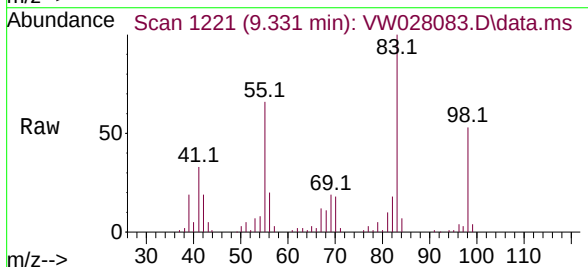
Tgt Ion: 83 Resp: 28249

Ion Ratio Lower Upper

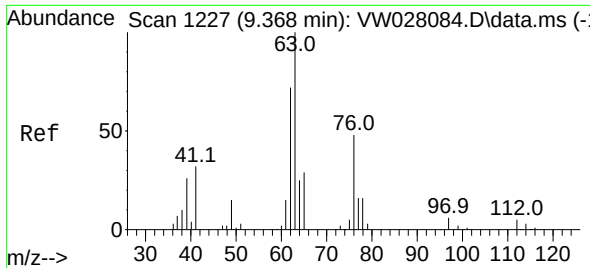
83 100

55 69.0 52.1 78.1

98 54.9 42.2 63.4







#37

1,2-Dichloropropane

Concen: 5.362 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

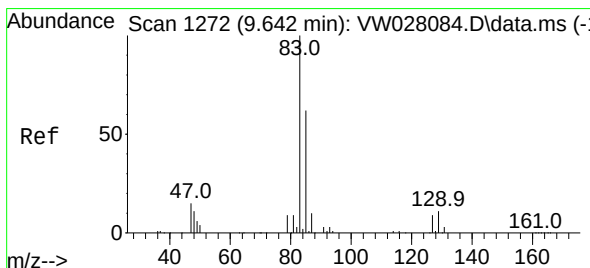
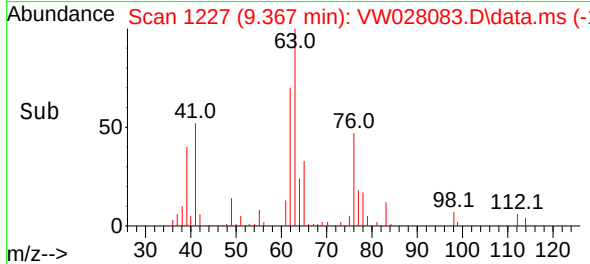
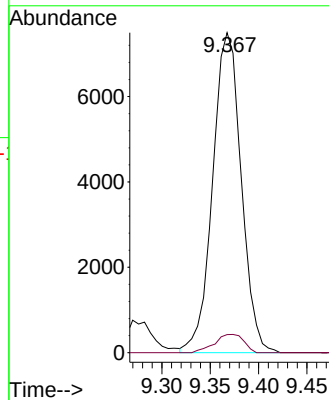
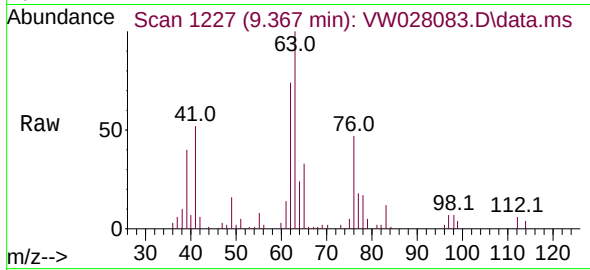
ClientSampleId :

Tgt Ion: 63 Resp: 15386

Ion Ratio Lower Upper

63 100

112 5.9 4.4 6.6



#38

Bromodichloromethane

Concen: 5.235 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

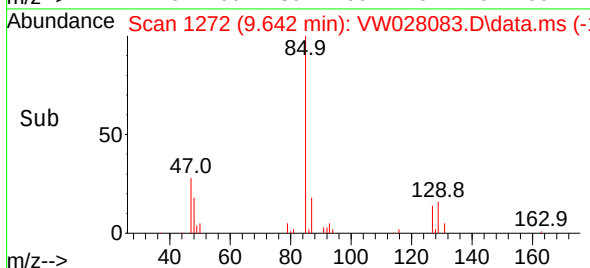
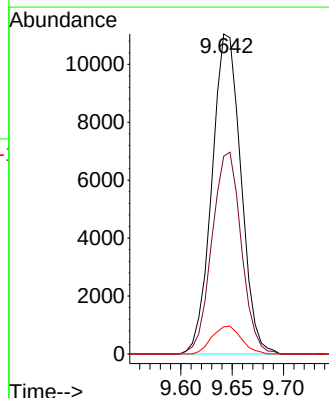
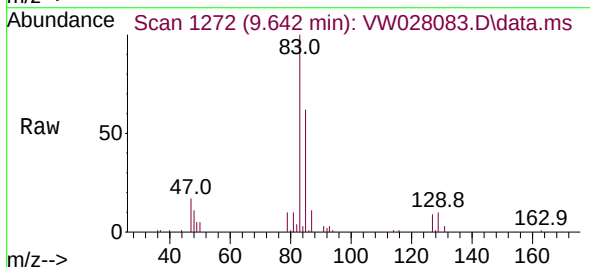
Tgt Ion: 83 Resp: 21697

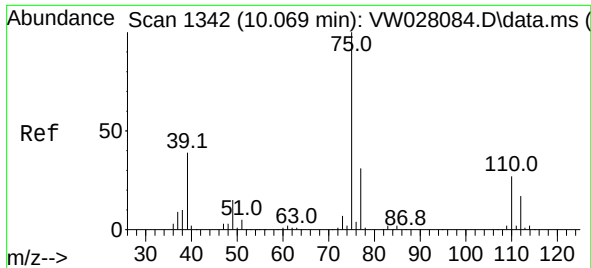
Ion Ratio Lower Upper

83 100

85 61.8 43.3 80.5

127 8.5 6.9 10.3

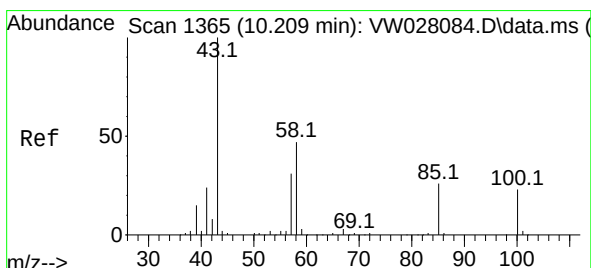
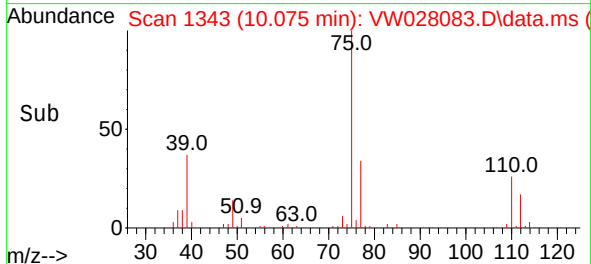
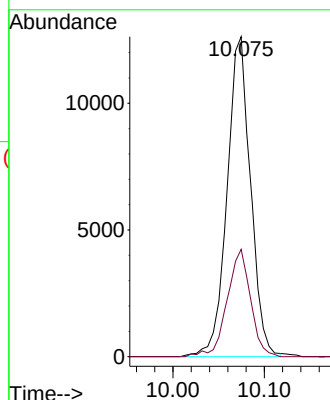
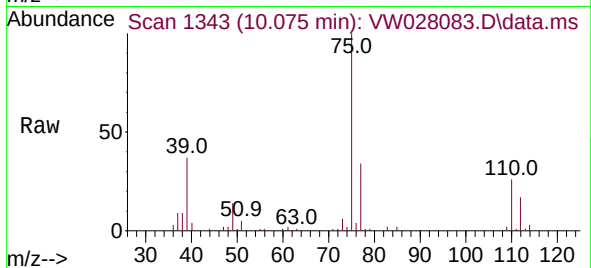




#39  
cis-1,3-Dichloropropene  
Concen: 4.776 ug/L  
RT: 10.075 min Scan# 1343  
Delta R.T. 0.006 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

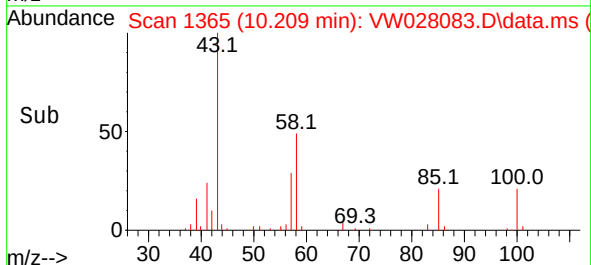
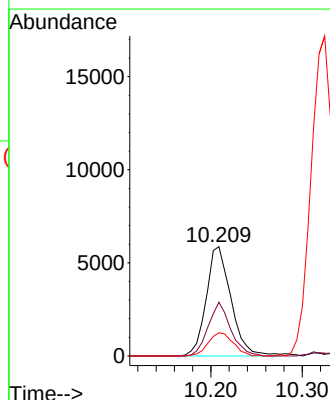
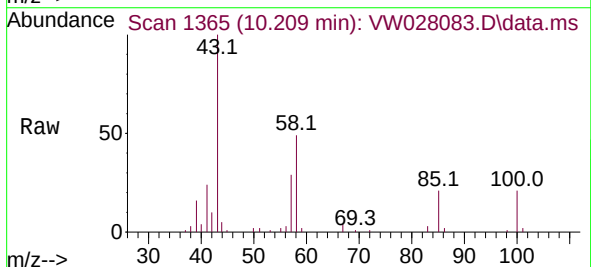
Instrument :  
MSVOA\_W  
ClientSampleId :

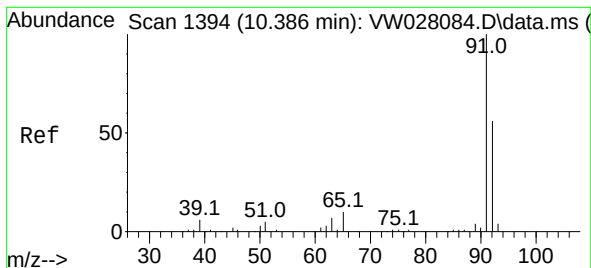
Tgt Ion: 75 Resp: 22540  
Ion Ratio Lower Upper  
75 100  
77 33.5 21.7 40.3



#40  
4-Methyl-2-pentanone  
Concen: 9.689 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. -0.000 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

Tgt Ion: 43 Resp: 11043  
Ion Ratio Lower Upper  
43 100  
58 44.4 37.8 56.8  
100 21.4 18.2 27.4





#42

Toluene

Concen: 5.227 ug/L

RT: 10.386 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

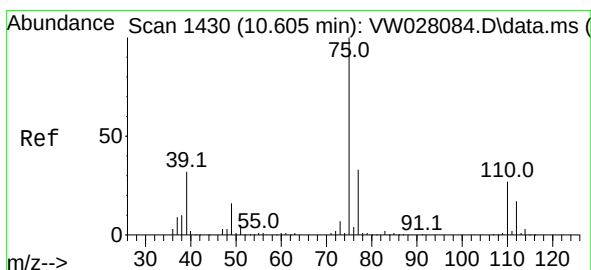
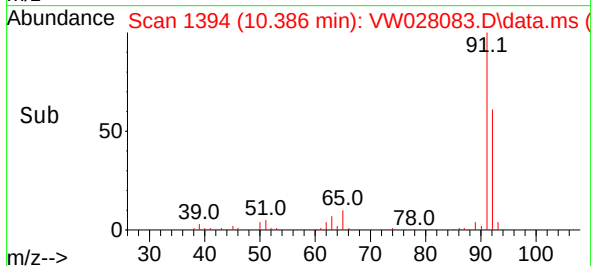
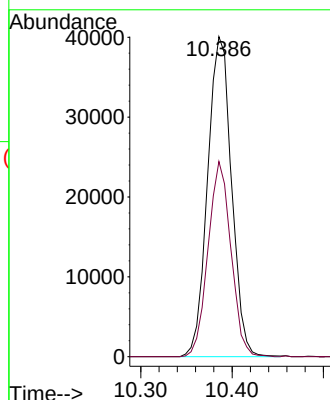
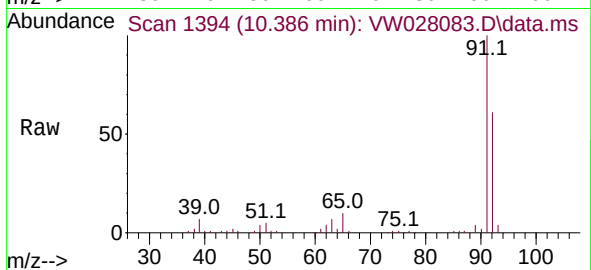
ClientSampleId :

Tgt Ion: 91 Resp: 72785

Ion Ratio Lower Upper

91 100

92 61.0 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 4.743 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW028083.D

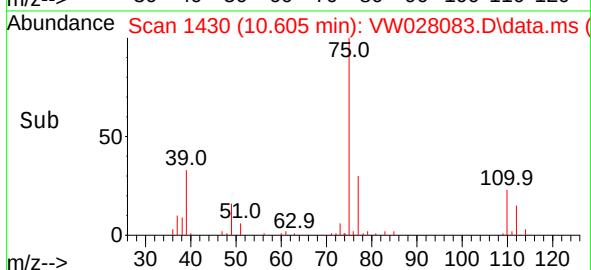
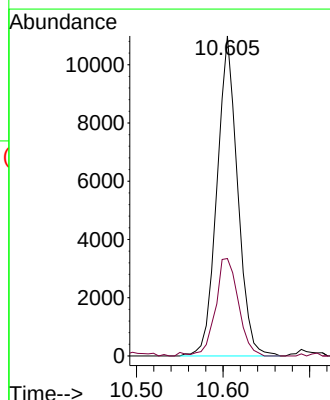
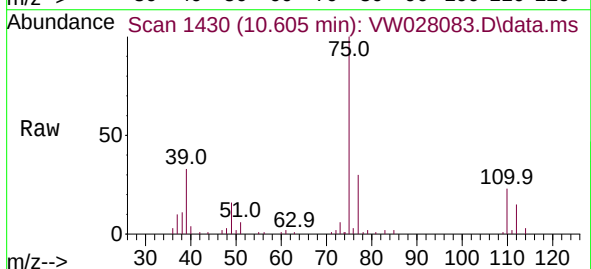
Acq: 29 Feb 2024 10:51

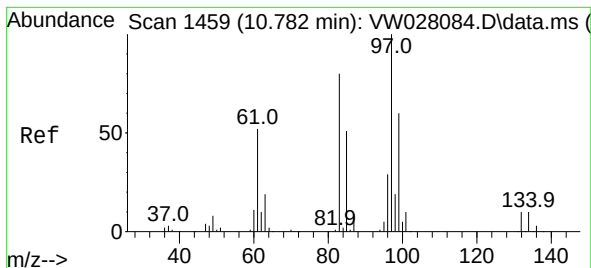
Tgt Ion: 75 Resp: 18184

Ion Ratio Lower Upper

75 100

77 30.4 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 5.230 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 12587

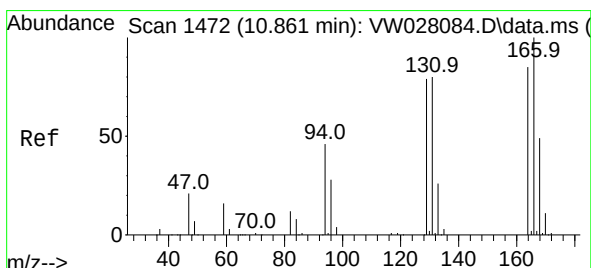
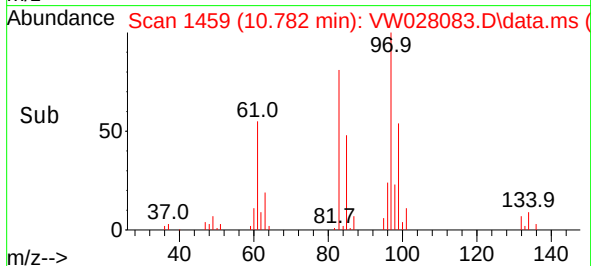
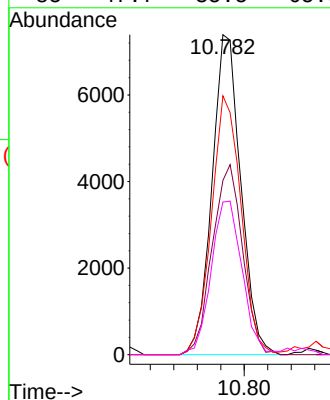
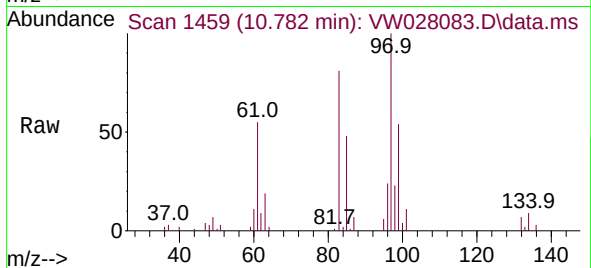
Ion Ratio Lower Upper

97 100

99 54.5 41.9 77.7

83 80.9 56.1 104.1

85 47.7 35.5 65.9



#46

Tetrachloroethene

Concen: 5.162 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Tgt Ion:164 Resp: 15619

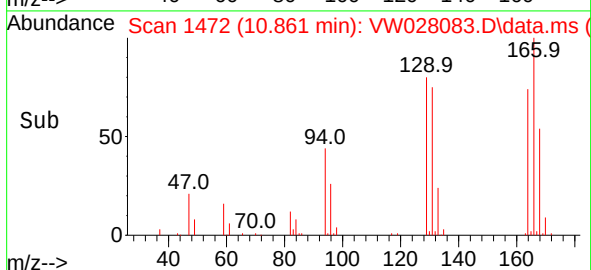
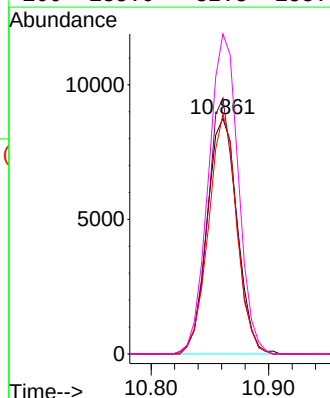
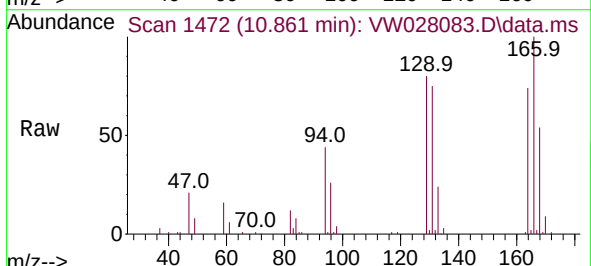
Ion Ratio Lower Upper

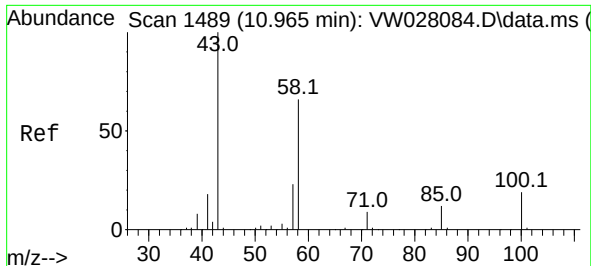
164 100

129 108.7 65.2 121.0

131 101.7 66.2 123.0

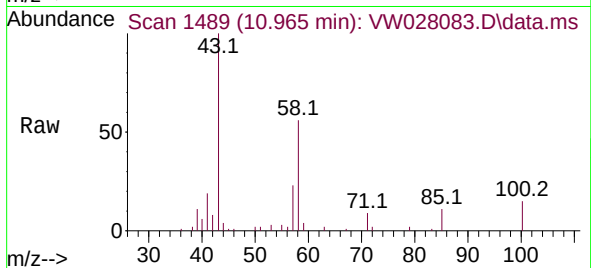
166 135.9 82.8 153.8



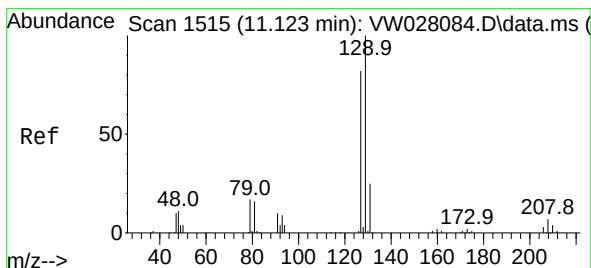
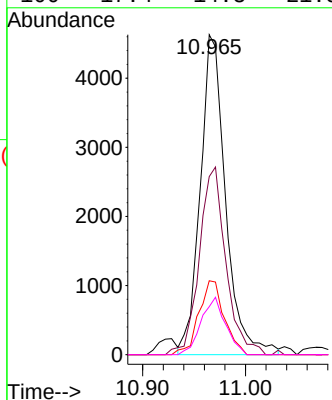
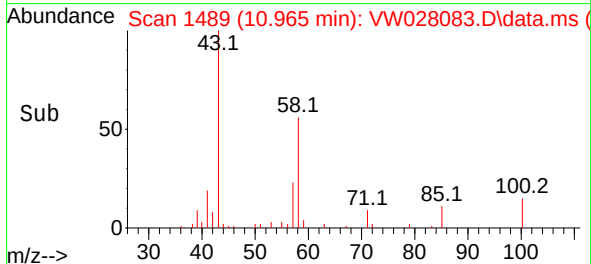


#48  
2-Hexanone  
Concen: 8.616 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

Instrument :  
MSVOA\_W  
ClientSampleId :

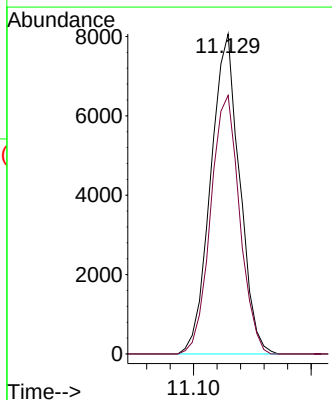
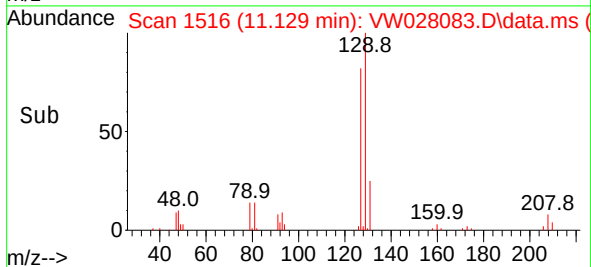
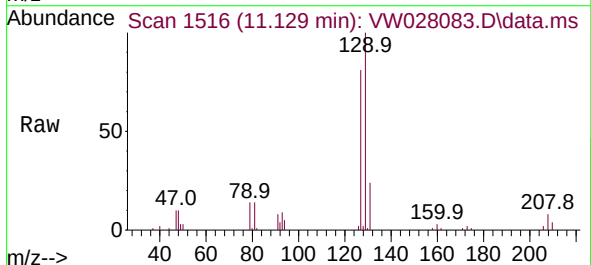


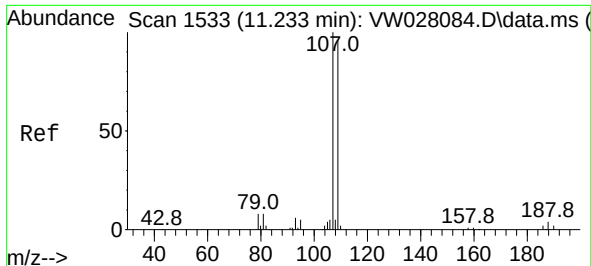
Tgt Ion: 43 Resp: 7940  
Ion Ratio Lower Upper  
43 100  
58 54.5 51.8 77.8  
57 22.5 18.2 27.4  
100 17.4 14.3 21.5



#49  
Dibromochloromethane  
Concen: 4.929 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

Tgt Ion: 129 Resp: 13790  
Ion Ratio Lower Upper  
129 100  
127 80.8 57.1 106.1





#50

1,2-Dibromoethane

Concen: 5.154 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW028083.D

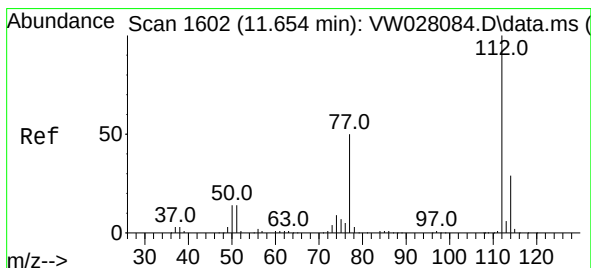
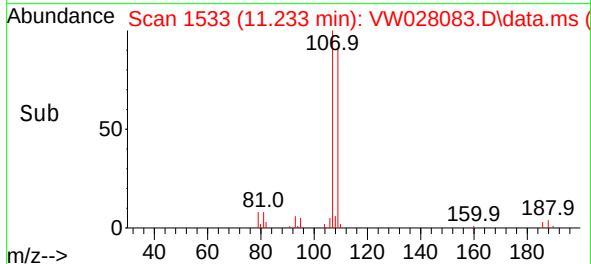
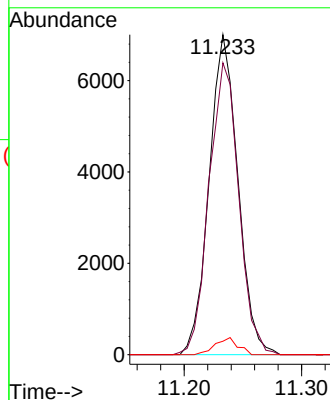
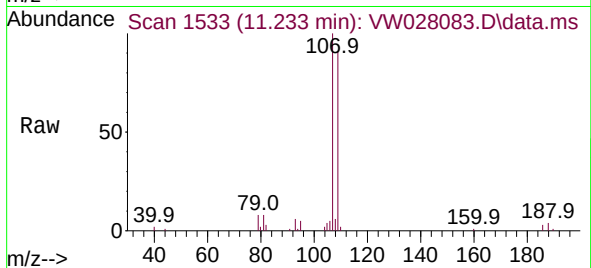
Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 11946      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 91.2  | 67.5 125.3 |
| 188         | 4.2   | 3.1 4.7    |



#51

Chlorobenzene

Concen: 5.219 ug/L

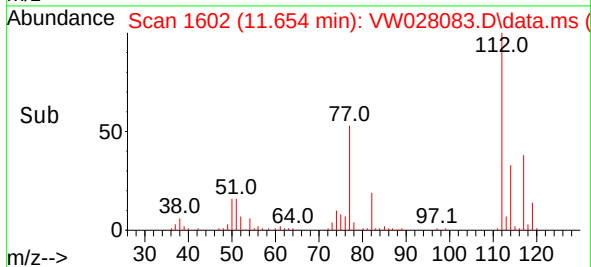
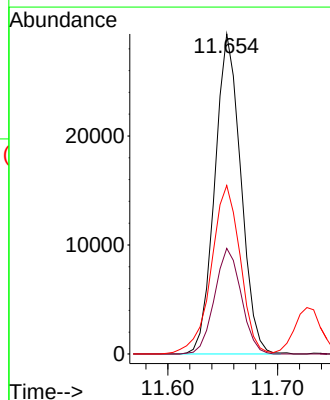
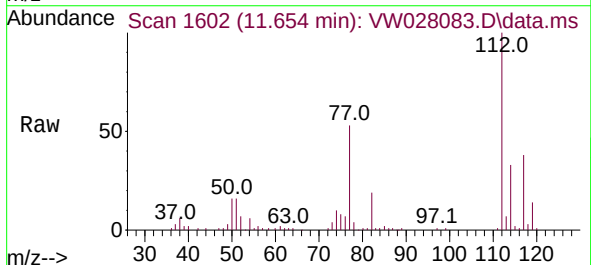
RT: 11.654 min Scan# 1602

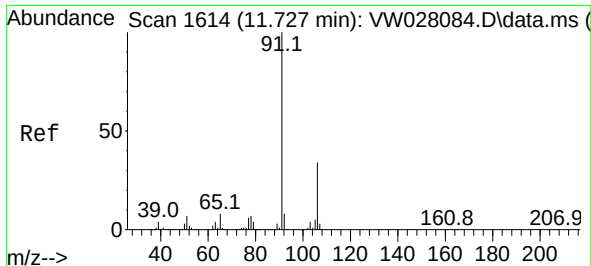
Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 48485     |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 33.0  | 20.6 38.4 |
| 77          | 52.6  | 40.0 60.0 |





#52

Ethylbenzene

Concen: 5.103 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

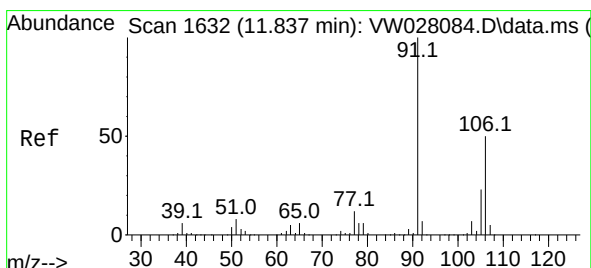
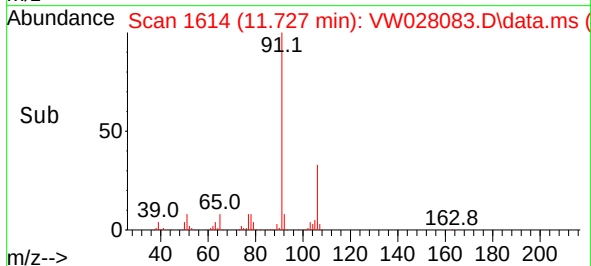
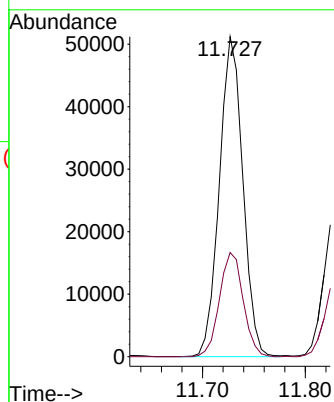
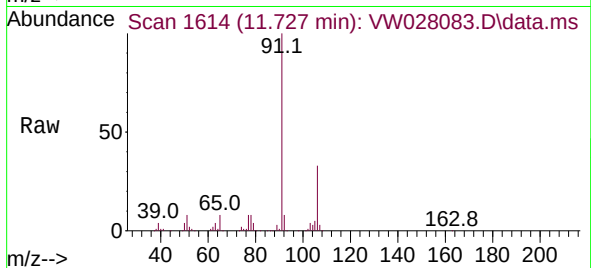
ClientSampleId :

Tgt Ion: 91 Resp: 81232

Ion Ratio Lower Upper

91 100

106 32.5 23.8 44.2



#53

m,p-Xylene

Concen: 4.987 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW028083.D

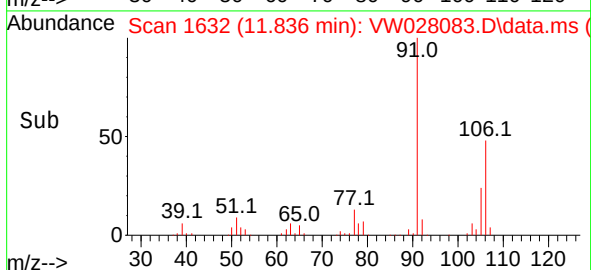
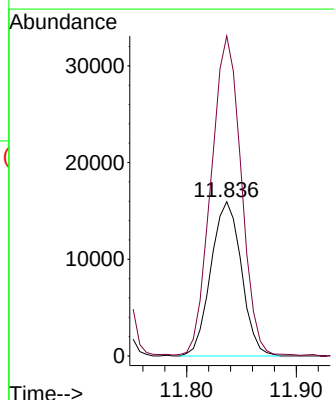
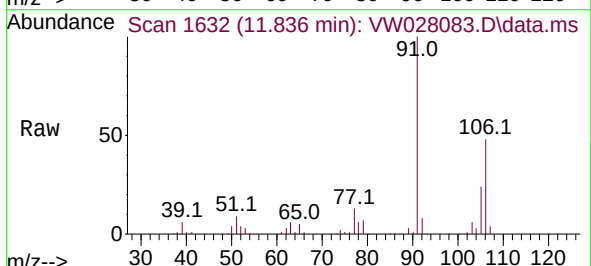
Acq: 29 Feb 2024 10:51

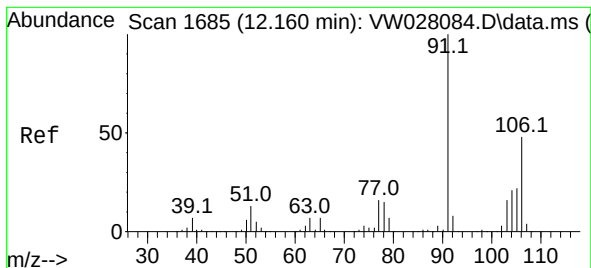
Tgt Ion:106 Resp: 30805

Ion Ratio Lower Upper

106 100

91 207.5 139.7 259.4





#54

o-Xylene

Concen: 5.030 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

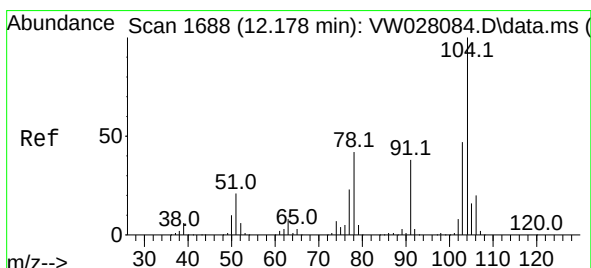
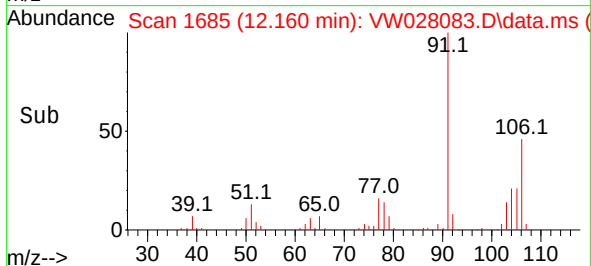
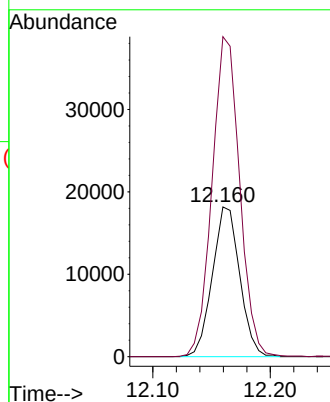
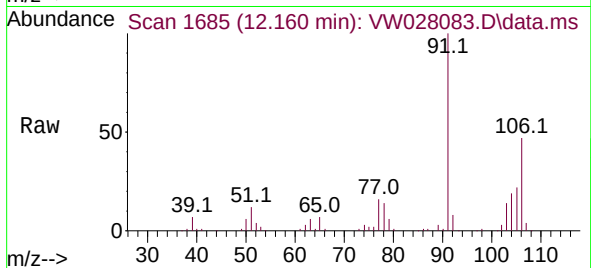
ClientSampleId :

Tgt Ion:106 Resp: 29405

Ion Ratio Lower Upper

106 100

91 213.7 145.2 269.6



#55

Styrene

Concen: 5.164 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW028083.D

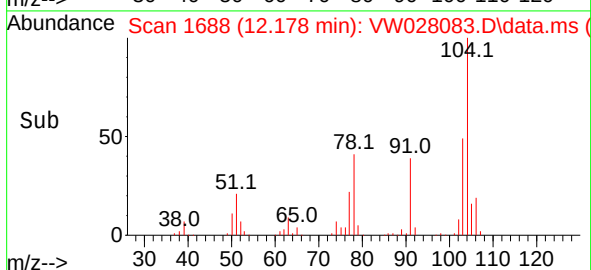
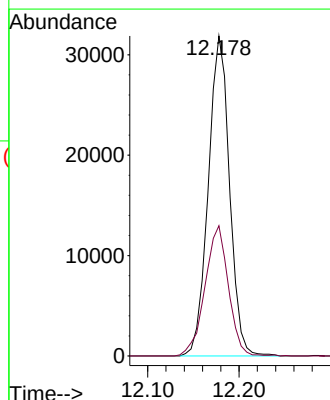
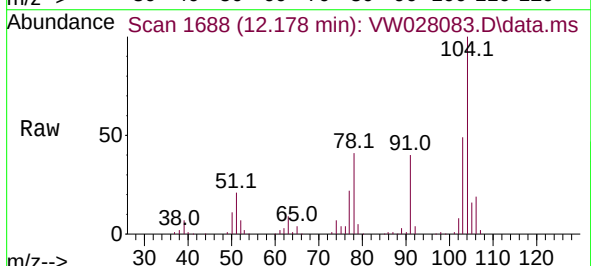
Acq: 29 Feb 2024 10:51

Tgt Ion:104 Resp: 51476

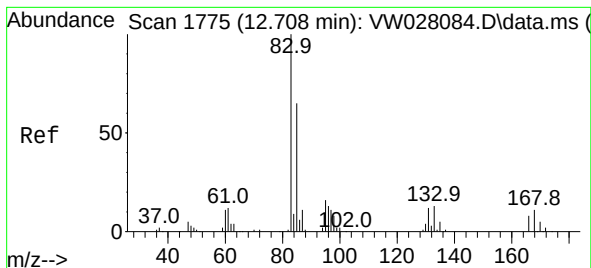
Ion Ratio Lower Upper

104 100

78 40.7 29.1 54.1



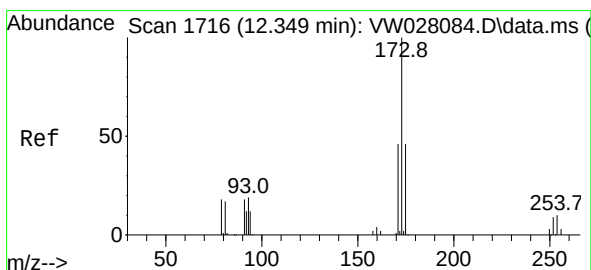
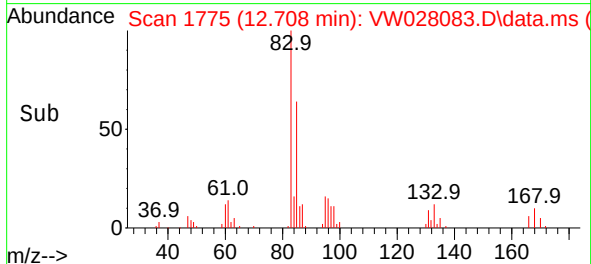
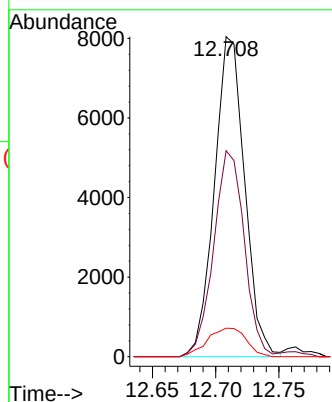
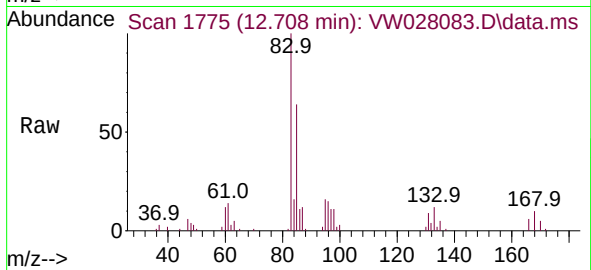




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.150 ug/L  
RT: 12.708 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

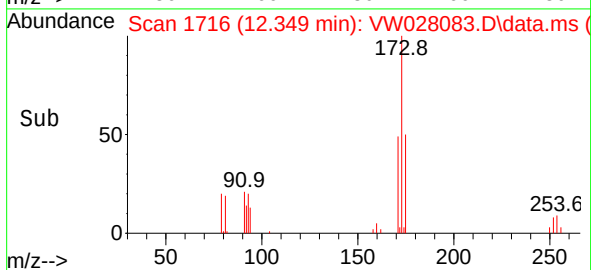
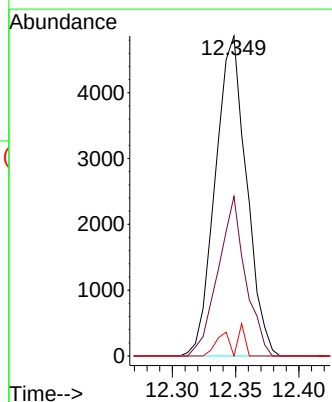
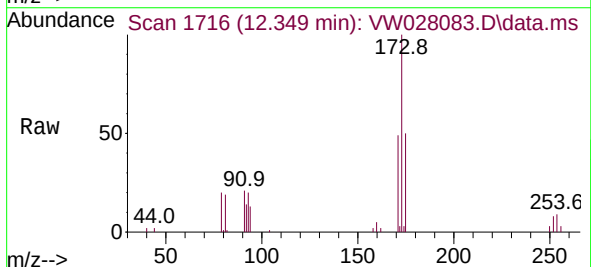
Instrument :  
MSVOA\_W  
ClientSampleId :

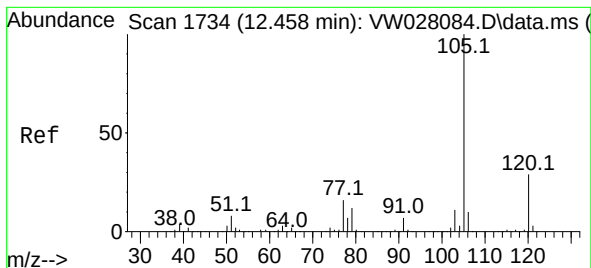
Tgt Ion: 83 Resp: 13364  
Ion Ratio Lower Upper  
83 100  
85 64.3 45.7 84.9  
131 8.9 9.7 14.5#



#59  
Bromoform  
Concen: 4.969 ug/L  
RT: 12.349 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

Tgt Ion:173 Resp: 8315  
Ion Ratio Lower Upper  
173 100  
175 44.1 37.2 55.8  
254 3.2 8.5 12.7#





#60

Isopropylbenzene

Concen: 4.989 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

ClientSampleId :

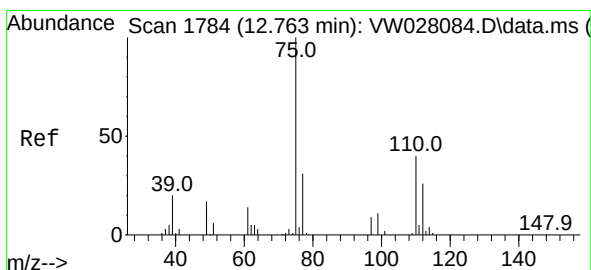
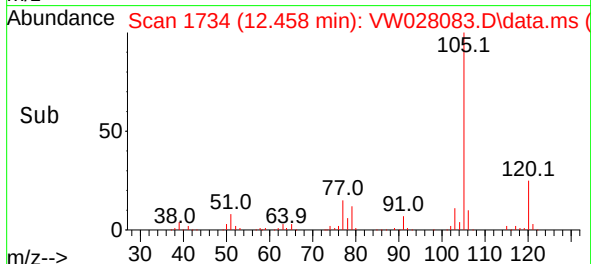
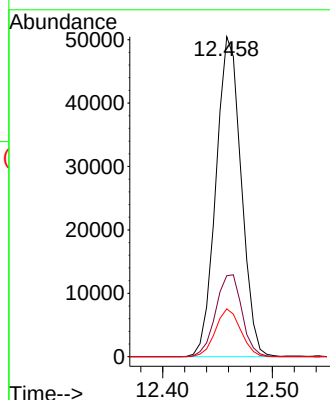
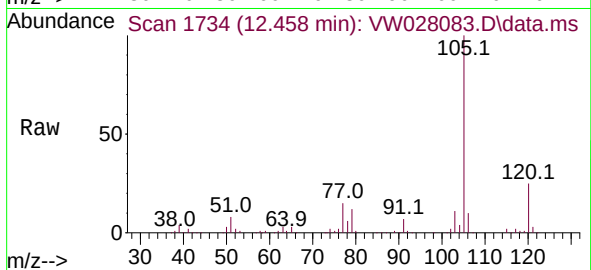
Tgt Ion:105 Resp: 80783

Ion Ratio Lower Upper

105 100

120 26.7 22.2 33.2

77 14.9 11.8 17.6



#61

1,2,3-Trichloropropane

Concen: 5.034 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

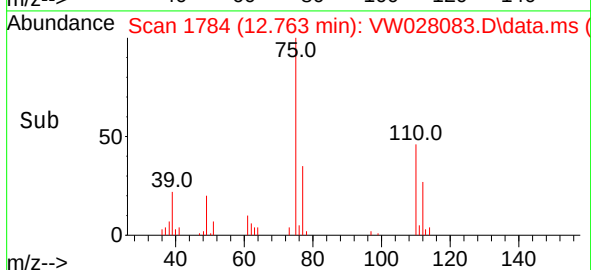
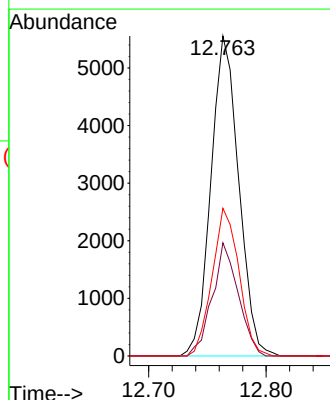
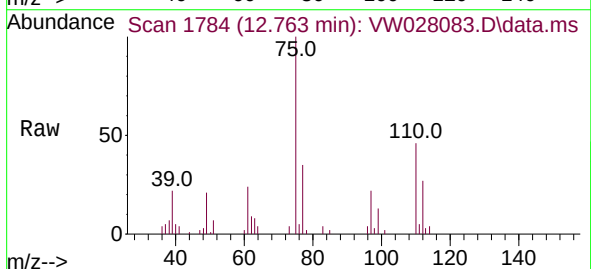
Tgt Ion: 75 Resp: 9134

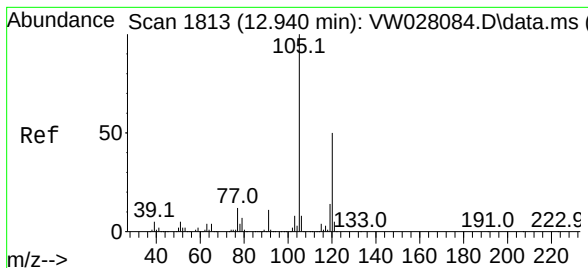
Ion Ratio Lower Upper

75 100

77 33.0 25.9 38.9

110 44.7 34.1 51.1

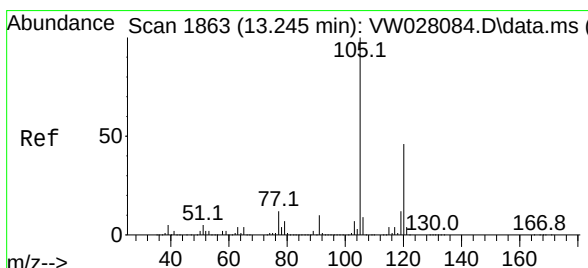
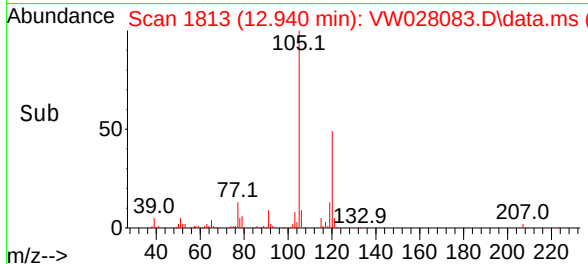
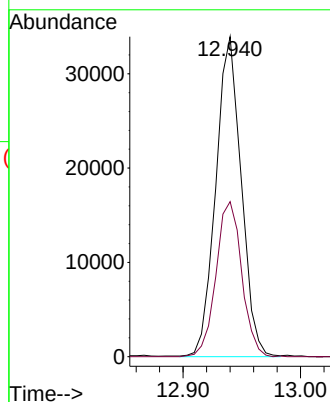
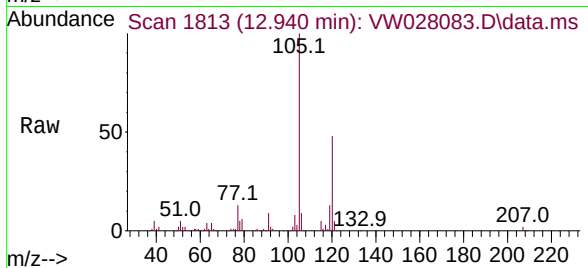




#62  
1,3,5-Trimethylbenzene  
Concen: 4.809 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

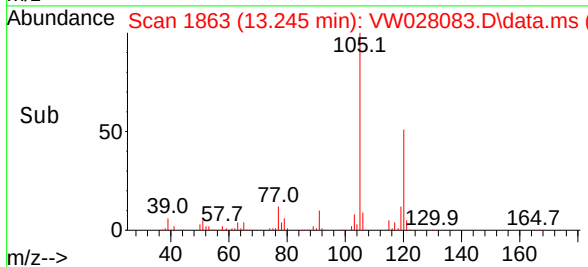
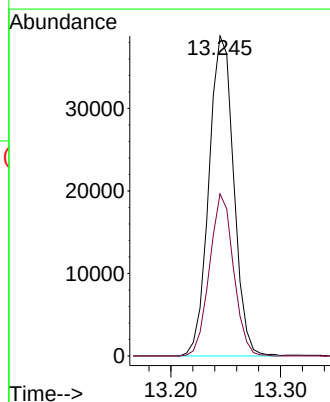
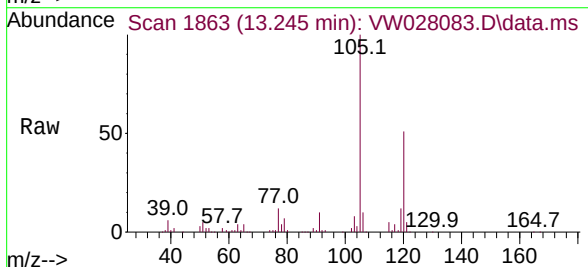
Instrument :  
MSVOA\_W  
ClientSampleId :

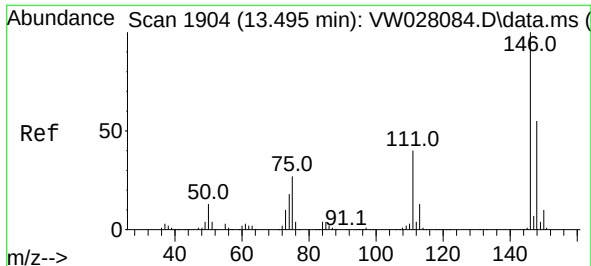
Tgt Ion:105 Resp: 51059  
Ion Ratio Lower Upper  
105 100  
120 48.9 38.6 58.0



#63  
1,2,4-Trimethylbenzene  
Concen: 4.817 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW028083.D  
Acq: 29 Feb 2024 10:51

Tgt Ion:105 Resp: 60991  
Ion Ratio Lower Upper  
105 100  
120 48.9 36.4 54.6





#64

1,3-Dichlorobenzene

Concen: 5.235 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

ClientSampleId :

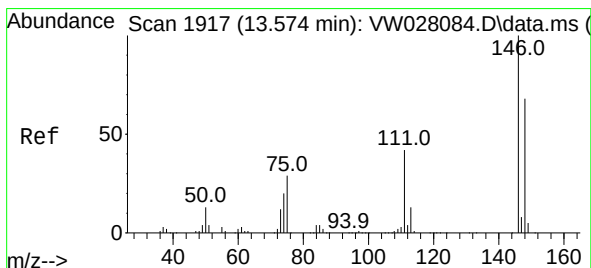
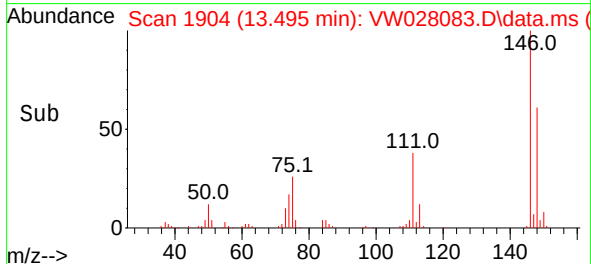
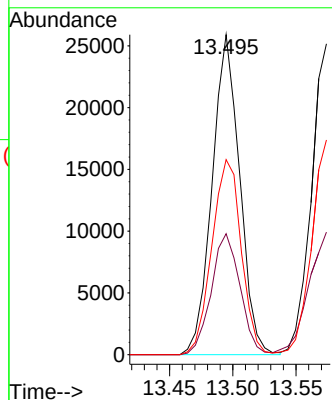
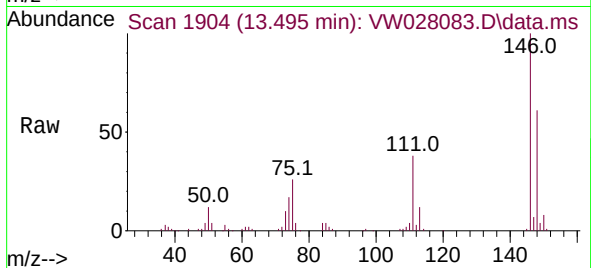
Tgt Ion:146 Resp: 39178

Ion Ratio Lower Upper

146 100

111 37.8 27.9 51.9

148 60.9 38.7 71.9



#65

1,4-Dichlorobenzene

Concen: 5.302 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

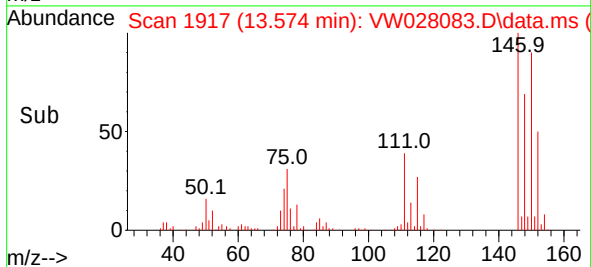
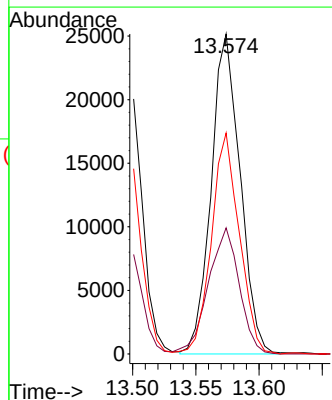
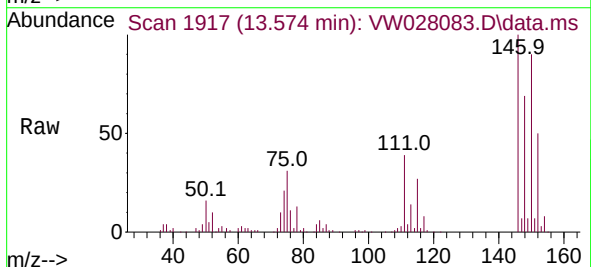
Tgt Ion:146 Resp: 40059

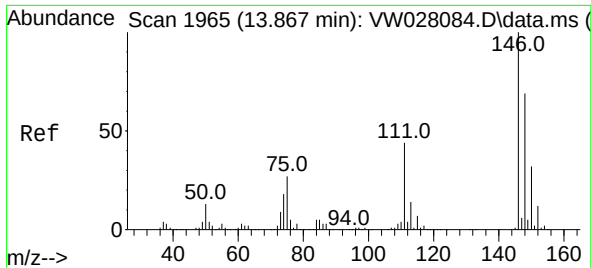
Ion Ratio Lower Upper

146 100

111 39.4 29.3 54.5

148 69.1 47.5 88.1





#67

1,2-Dichlorobenzene

Concen: 5.293 ug/L

RT: 13.861 min Scan# 1965

Delta R.T. -0.006 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

ClientSampleId :

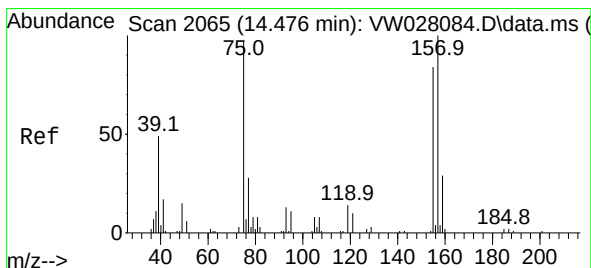
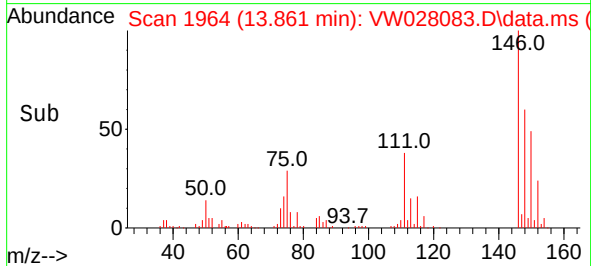
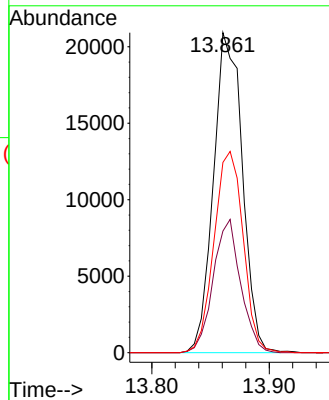
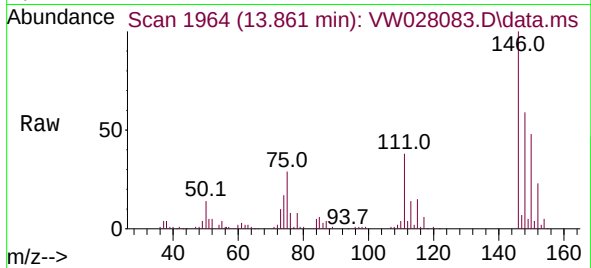
Tgt Ion:146 Resp: 35680

Ion Ratio Lower Upper

146 100

111 38.0 35.4 53.0

148 59.5 55.4 83.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.597 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

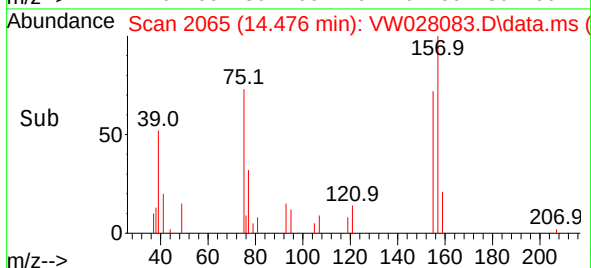
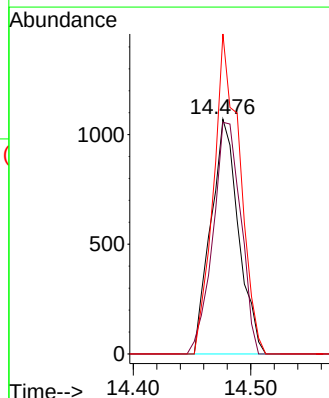
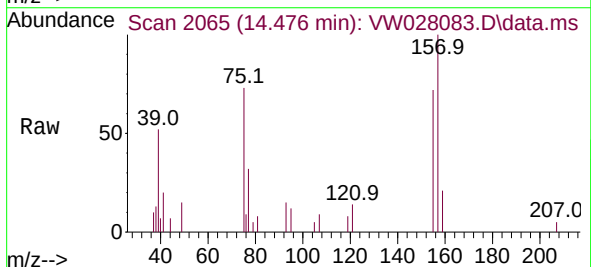
Tgt Ion: 75 Resp: 1752

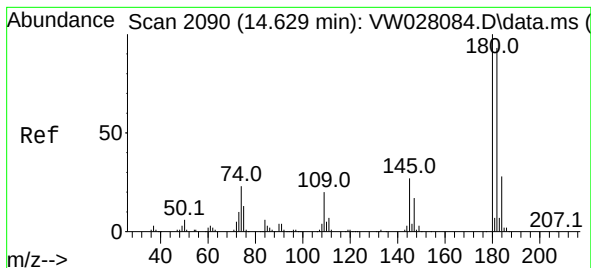
Ion Ratio Lower Upper

75 100

155 98.7 69.3 103.9

157 136.4 82.4 123.6#





#69

1,3,5-Trichlorobenzene

Concen: 5.201 ug/L

RT: 14.623 min Scan# 2090

Delta R.T. -0.006 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion:180 Resp: 28724

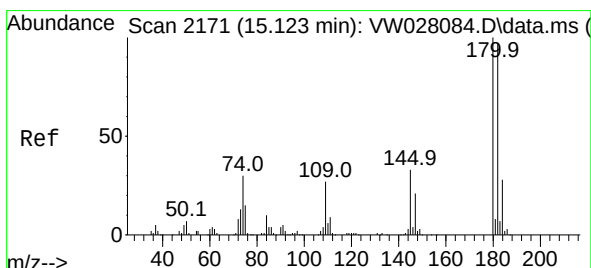
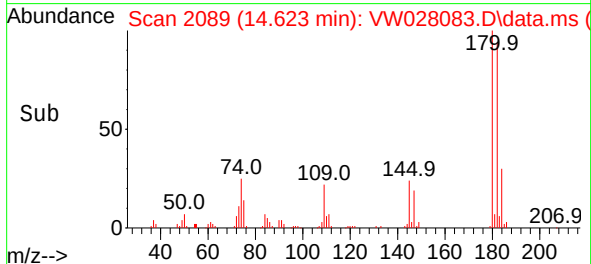
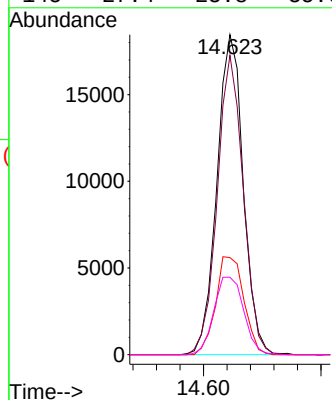
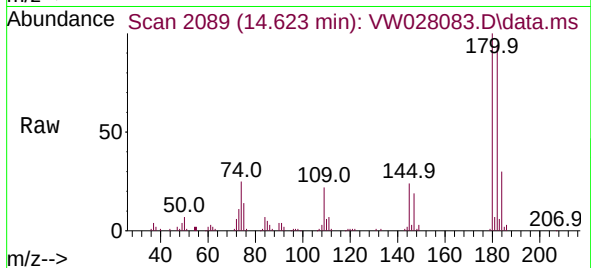
Ion Ratio Lower Upper

180 100

182 92.5 78.2 117.4

184 32.8 25.4 38.2

145 27.4 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 5.163 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

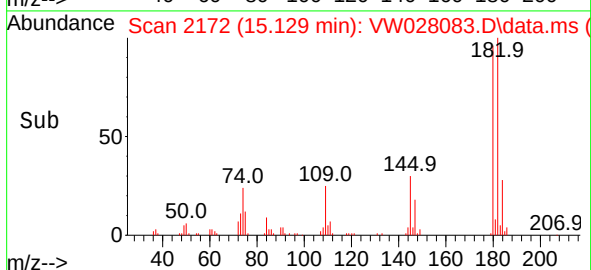
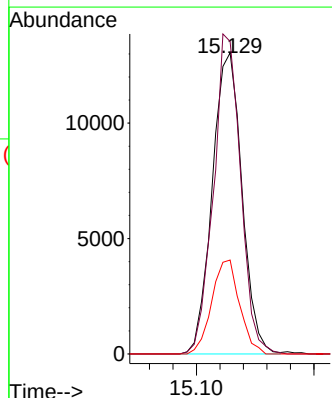
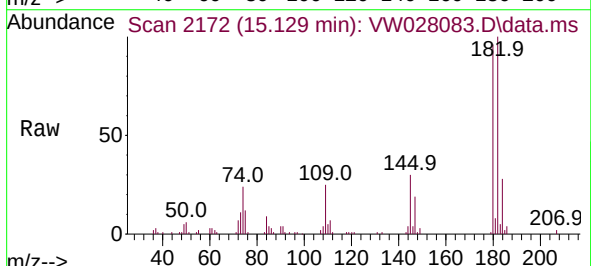
Tgt Ion:180 Resp: 22901

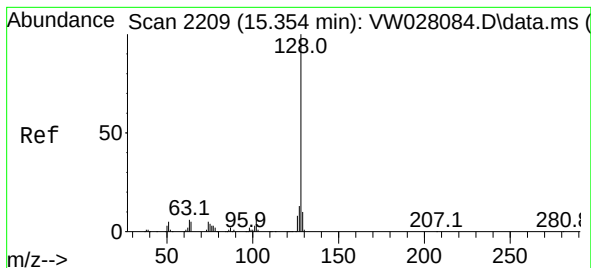
Ion Ratio Lower Upper

180 100

182 97.2 80.1 120.1

145 29.2 24.3 36.5





#71

Naphthalene

Concen: 4.706 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Instrument :

MSVOA\_W

ClientSampleId :

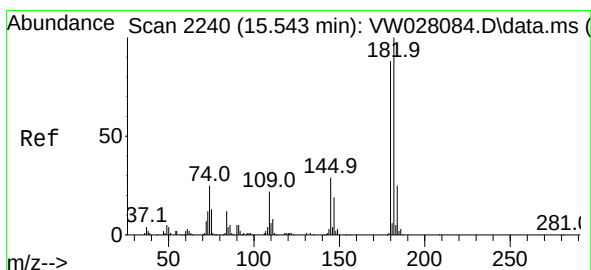
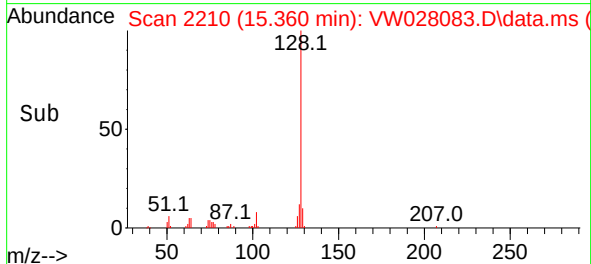
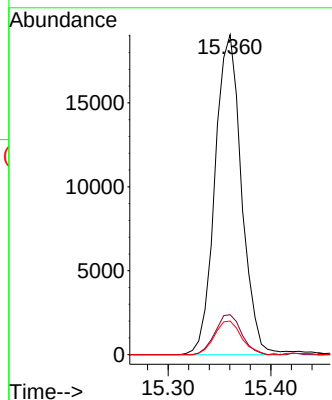
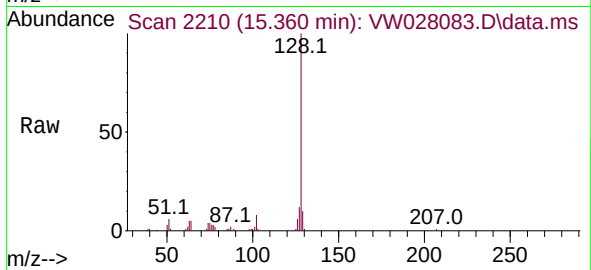
Tgt Ion:128 Resp: 34140

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 5.056 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. -0.000 min

Lab File: VW028083.D

Acq: 29 Feb 2024 10:51

Tgt Ion:180 Resp: 18754

Ion Ratio Lower Upper

180 100

182 97.1 81.4 122.2

145 33.8 26.2 39.2

