

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101123\  
 Data File : VW027282.D  
 Acq On : 11 Oct 2023 12:04  
 Operator : SY/MD  
 Sample : VSTD100  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 12 01:01:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 12 00:57:57 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114  | 536102   | 25.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 493842   | 25.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 245949   | 25.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65   | 768168   | 93.888  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 2.893  | 69   | 574727   | 97.830  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65   | 366897   | 89.495  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 7.075  | 46   | 497984   | 183.876 | ug/L  | 0.00     |
| 24) Chloroform-d              | 7.648  | 84   | 1461382  | 91.460  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65   | 773783   | 90.150  | ug/L  | 0.00     |
| 32) Benzene-d6                | 8.276  | 84   | 2988794  | 89.453  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67   | 926044   | 90.742  | ug/L  | 0.00     |
| 41) Toluene-d8                | 10.325 | 98   | 2674736  | 88.279  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79   | 425752   | 91.028  | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 10.922 | 63   | 408742   | 193.586 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 695214   | 91.307  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152  | 816511   | 91.612  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.027  | 85   | 576510   | 90.218  | ug/L  | # 90     |
| 3) Chloromethane              | 2.228  | 50   | 677123   | 92.371  | ug/L  | 98       |
| 5) Vinyl chloride             | 2.381  | 62   | 707386   | 86.390  | ug/L  | 97       |
| 6) Bromomethane               | 2.789  | 94   | 413523   | 88.665  | ug/L  | 98       |
| 8) Chloroethane               | 2.936  | 64   | 416599   | 88.386  | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 3.265  | 101  | 573316   | 99.244  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101  | 605942   | 86.514  | ug/L  | 95       |
| 12) 1,1-Dichloroethene        | 4.045  | 96   | 614678   | 86.878  | ug/L  | 94       |
| 13) Acetone                   | 4.118  | 43   | 446762   | 194.482 | ug/L  | 99       |
| 14) Carbon disulfide          | 4.393  | 76   | 1836671  | 84.277  | ug/L  | 99       |
| 15) Methyl Acetate            | 4.667  | 43   | 367867   | 91.698  | ug/L  | 100      |
| 16) Methylene chloride        | 4.923  | 84   | 654095   | 66.804  | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96   | 640955   | 84.848  | ug/L  | 97       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73   | 1108202  | 85.018  | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 6.216  | 63   | 1347703  | 87.431  | ug/L  | 97       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96   | 745244   | 87.346  | ug/L  | 94       |
| 22) 2-Butanone                | 7.167  | 43   | 585489   | 166.536 | ug/L  | 99       |
| 23) Bromochloromethane        | 7.514  | 128  | 304963   | 86.575  | ug/L  | 96       |
| 25) Chloroform                | 7.679  | 83   | 1254977  | 86.989  | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 862028   | 87.962  | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 1252311  | 83.519  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 1030866  | 85.575  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.069  | 117  | 924765   | 85.136  | ug/L  | 100      |
| 33) Benzene                   | 8.325  | 78   | 2728455  | 84.539  | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 745990   | 87.504  | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.337  | 83   | 1273364  | 83.522  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 747001   | 85.601  | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 938984   | 87.506  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 1253667  | 86.968  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 1078837  | 179.764 | ug/L  | 100      |
| 42) Toluene                   | 10.386 | 91   | 2828035  | 83.529  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 1058704  | 87.041  | ug/L  | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101123\  
 Data File : VW027282.D  
 Acq On : 11 Oct 2023 12:04  
 Operator : SY/MD  
 Sample : VSTD100  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 12 01:01:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 12 00:57:57 2023  
 Response via : Initial Calibration

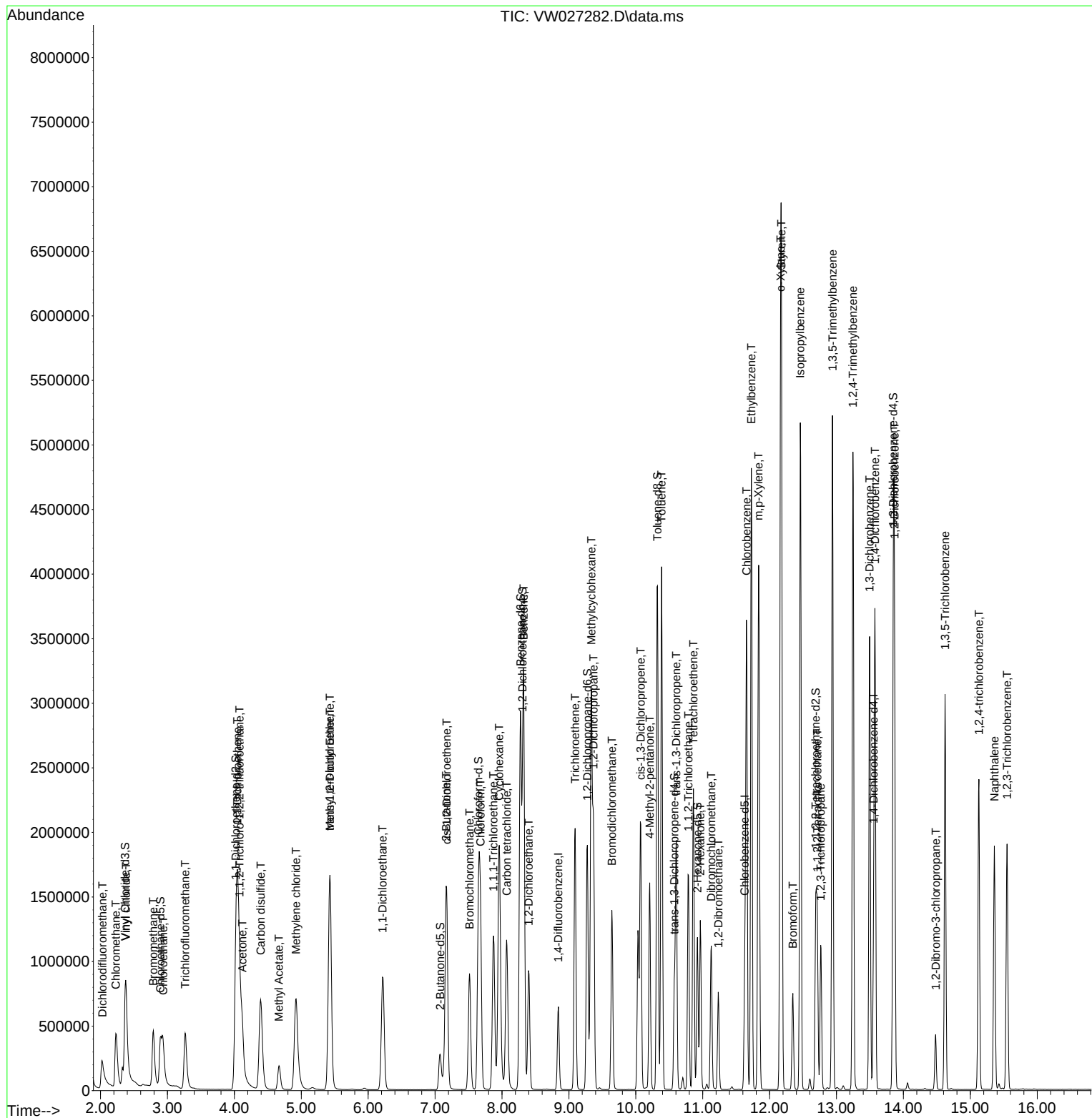
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 537100   | 89.441  | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 499612   | 84.872  | ug/L   | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 830356   | 186.938 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 594432   | 89.133  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 509976   | 87.592  | ug/L # | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 1827076  | 86.177  | ug/L   | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 3360615  | 85.417  | ug/L   | 95       |
| 53) m,p-Xylene                | 11.836 | 106  | 1287321  | 86.267  | ug/L   | 99       |
| 54) o-Xylene                  | 12.166 | 106  | 1230713  | 86.124  | ug/L   | 95       |
| 55) Styrene                   | 12.178 | 104  | 2109305  | 86.429  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 655577   | 89.428  | ug/L   | 97       |
| 59) Bromoform                 | 12.349 | 173  | 340324   | 92.991  | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 3271714  | 84.678  | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 484109   | 90.147  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 2772364  | 86.021  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 2678067  | 84.928  | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 1386702  | 88.505  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 1356433  | 86.690  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 1170351  | 84.179  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 118724   | 88.457  | ug/L # | 86       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 853482   | 83.912  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 725896   | 83.851  | ug/L   | 99       |
| 71) Naphthalene               | 15.360 | 128  | 1541625  | 86.595  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 589257   | 82.777  | ug/L   | 96       |

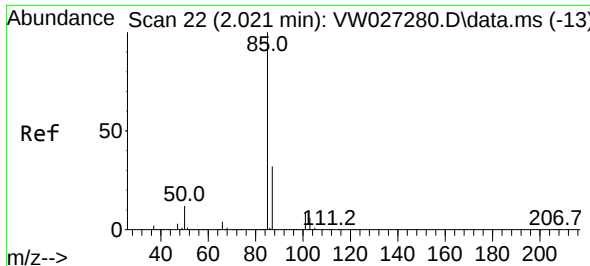
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW01123\  
 Data File : VW027282.D  
 Acq On : 11 Oct 2023 12:04  
 Operator : SY/MD  
 Sample : VSTD100  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 12 01:01:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 12 00:57:57 2023  
 Response via : Initial Calibration

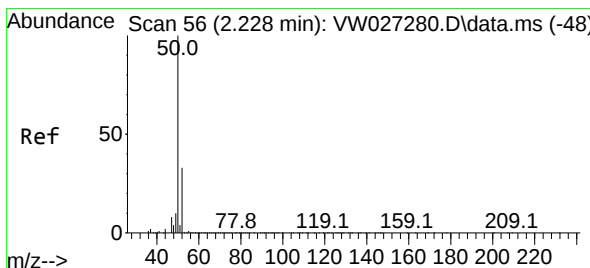
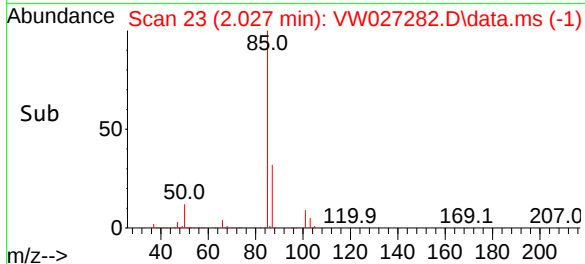
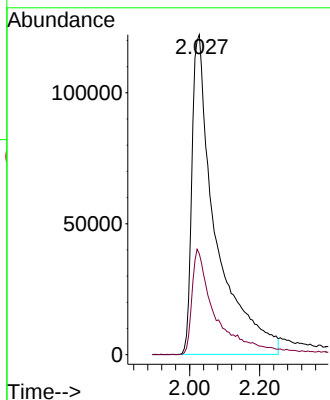
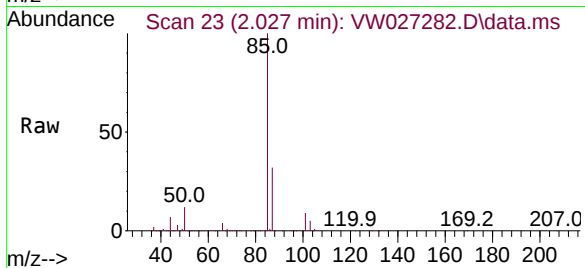




#2  
 Dichlorodifluoromethane  
 Concen: 90.218 ug/L  
 RT: 2.027 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VW027282.D  
 Acq: 11 Oct 2023 12:04

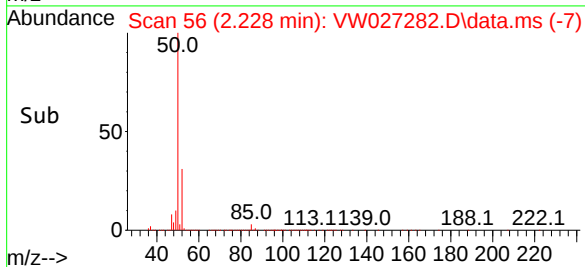
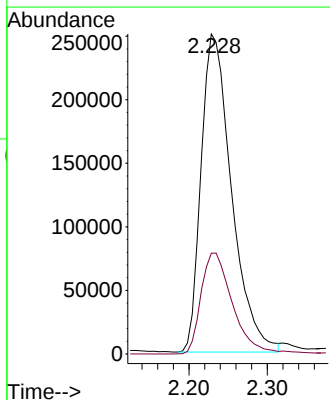
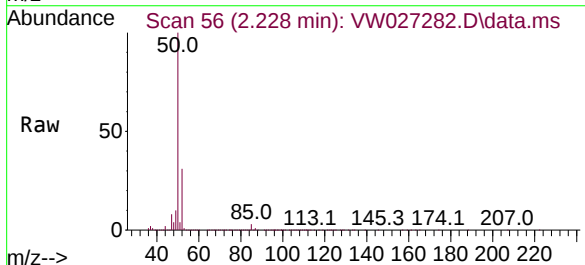
Instrument :  
 MSVOA\_W  
 ClientSampleId :

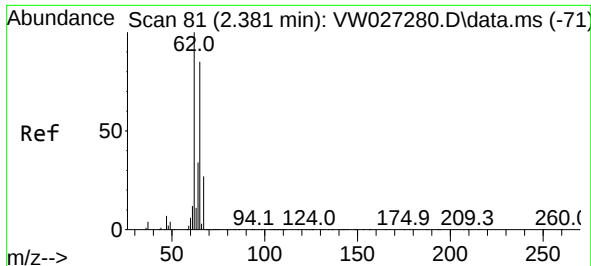
Tgt Ion: 85 Resp: 576510  
 Ion Ratio Lower Upper  
 85 100  
 87 27.6 18.3 27.5#



#3  
 Chloromethane  
 Concen: 92.371 ug/L  
 RT: 2.228 min Scan# 56  
 Delta R.T. 0.000 min  
 Lab File: VW027282.D  
 Acq: 11 Oct 2023 12:04

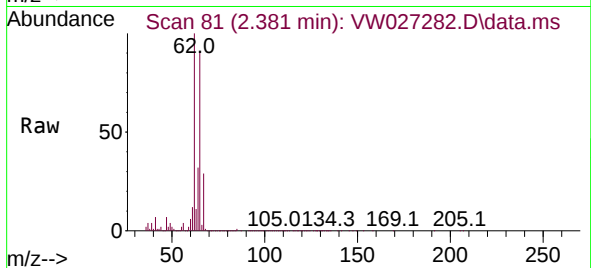
Tgt Ion: 50 Resp: 677123  
 Ion Ratio Lower Upper  
 50 100  
 52 31.5 22.7 42.3



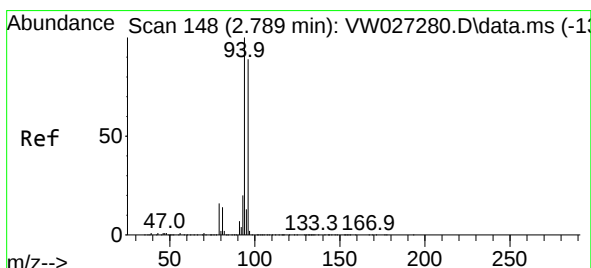
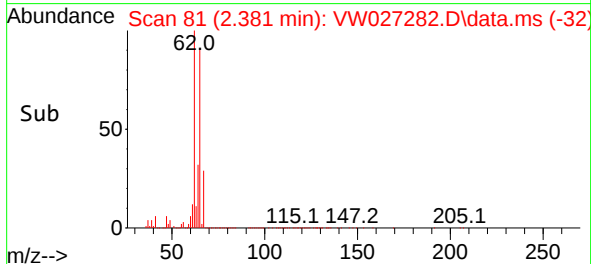
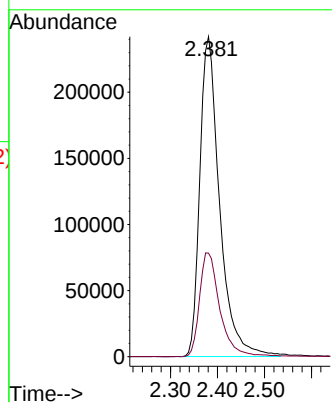


#5  
 Vinyl chloride  
 Concen: 86.390 ug/L  
 RT: 2.381 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VW027282.D  
 Acq: 11 Oct 2023 12:04

Instrument :  
 MSVOA\_W  
 ClientSampleId :

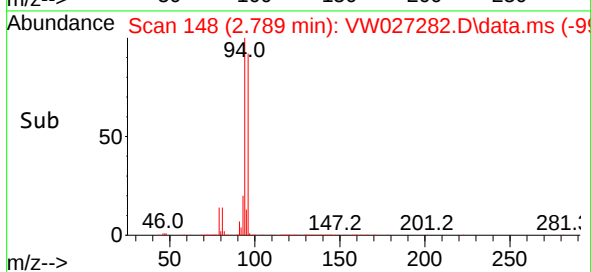
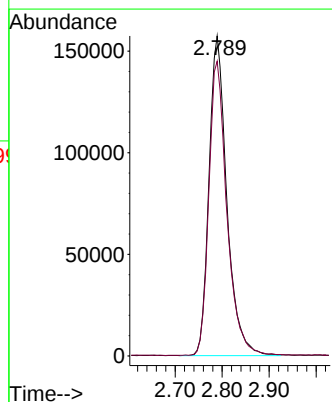
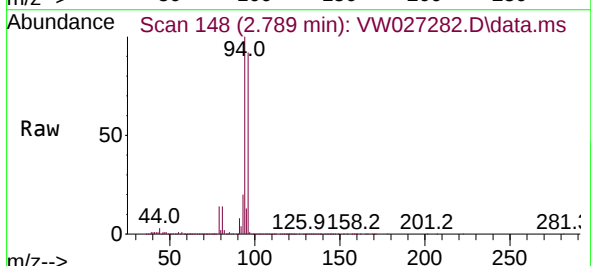


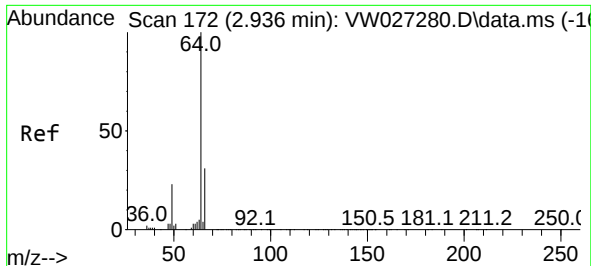
Tgt Ion: 62 Resp: 707386  
 Ion Ratio Lower Upper  
 62 100  
 64 32.4 23.8 44.2



#6  
 Bromomethane  
 Concen: 88.665 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. 0.000 min  
 Lab File: VW027282.D  
 Acq: 11 Oct 2023 12:04

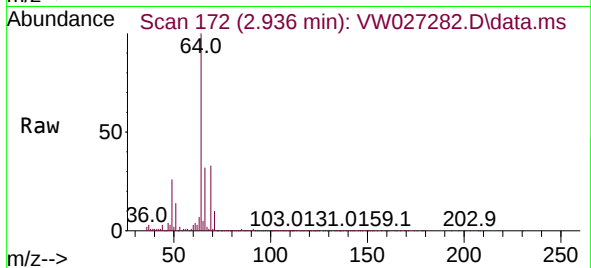
Tgt Ion: 94 Resp: 413523  
 Ion Ratio Lower Upper  
 94 100  
 96 92.1 62.9 116.9



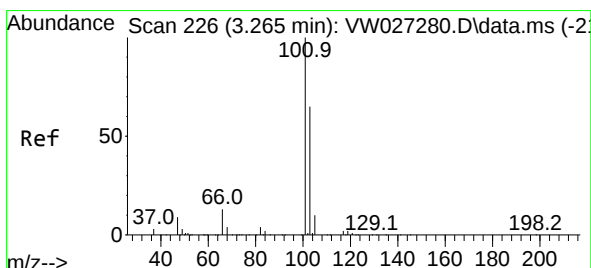
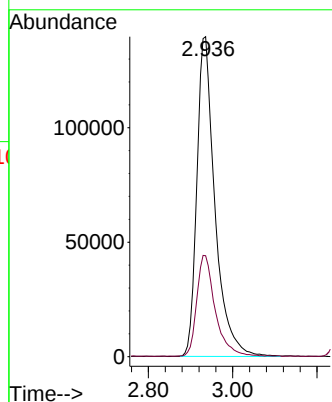
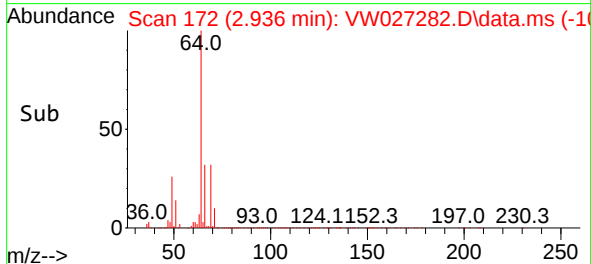


#8  
Chloroethane  
Concen: 88.386 ug/L  
RT: 2.936 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Instrument :  
MSVOA\_W  
ClientSampleId :

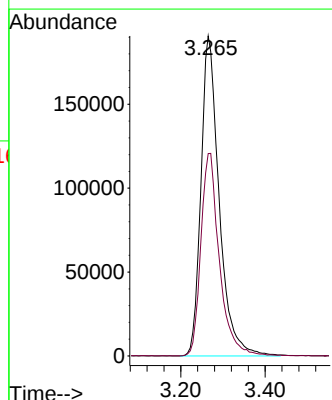
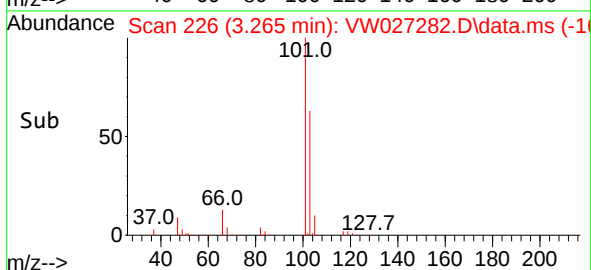
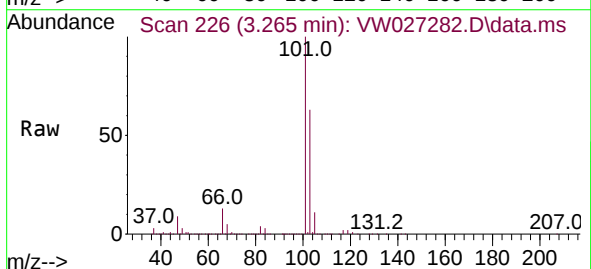


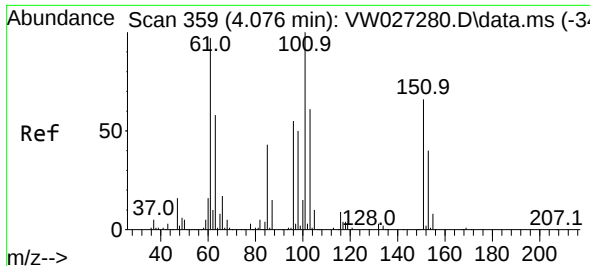
Tgt Ion: 64 Resp: 416599  
Ion Ratio Lower Upper  
64 100  
66 31.6 21.7 40.3



#9  
Trichlorofluoromethane  
Concen: 99.244 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Tgt Ion: 101 Resp: 573316  
Ion Ratio Lower Upper  
101 100  
103 64.0 51.6 77.4

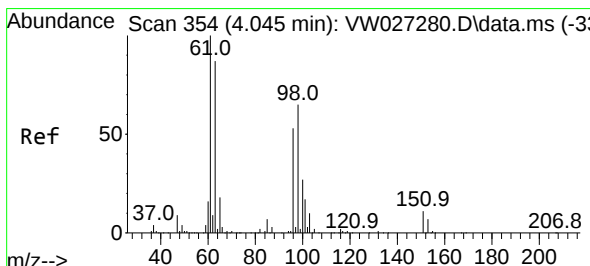
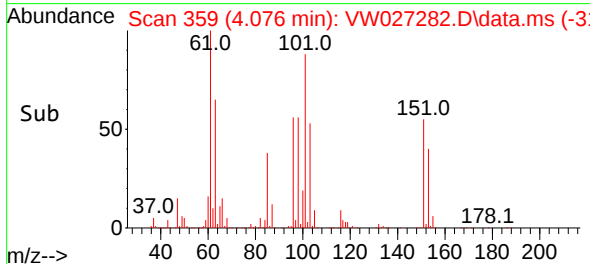
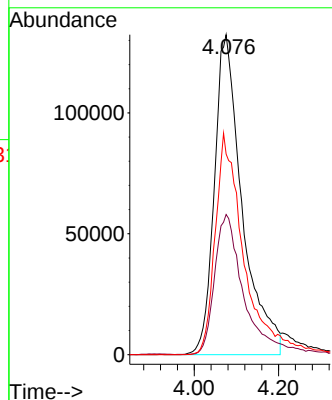
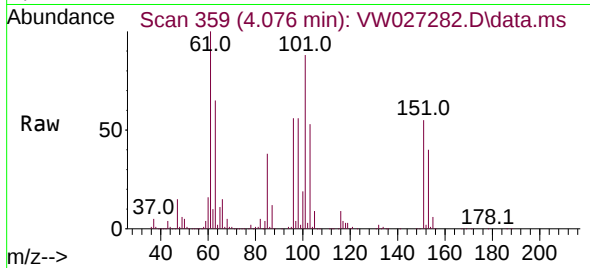




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 86.514 ug/L  
 RT: 4.076 min Scan# 359  
 Delta R.T. 0.000 min  
 Lab File: VW027282.D  
 Acq: 11 Oct 2023 12:04

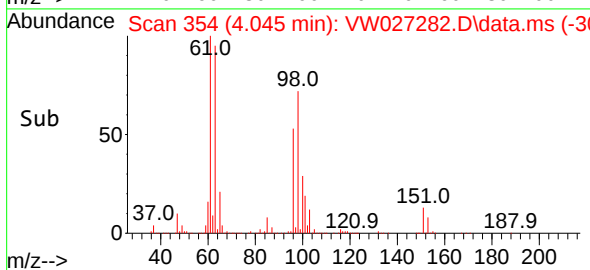
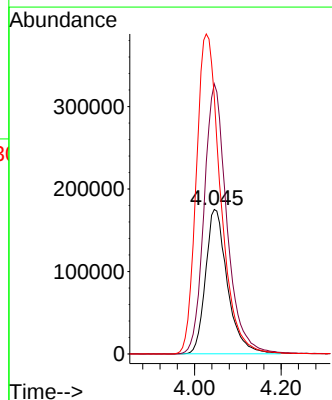
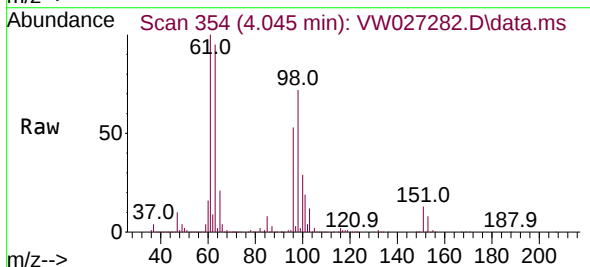
Instrument :  
 MSVOA\_W  
 ClientSampleId :

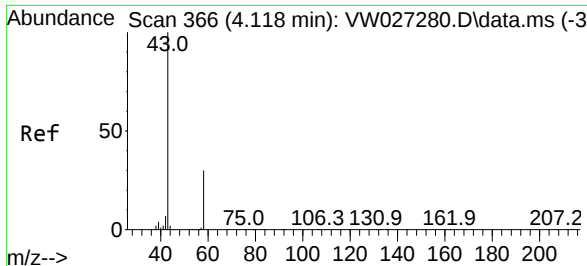
Tgt Ion:101 Resp: 605942  
 Ion Ratio Lower Upper  
 101 100  
 85 44.9 34.1 51.1  
 151 67.0 49.5 74.3



#12  
 1,1-Dichloroethene  
 Concen: 86.878 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. 0.000 min  
 Lab File: VW027282.D  
 Acq: 11 Oct 2023 12:04

Tgt Ion: 96 Resp: 614678  
 Ion Ratio Lower Upper  
 96 100  
 61 186.9 133.3 247.5  
 63 178.2 115.8 215.2

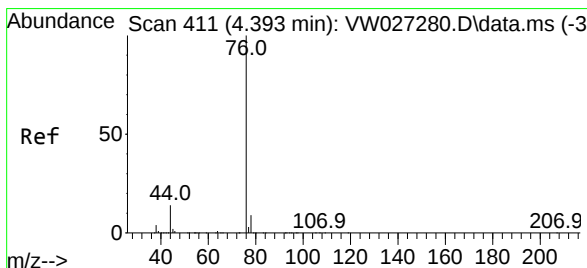
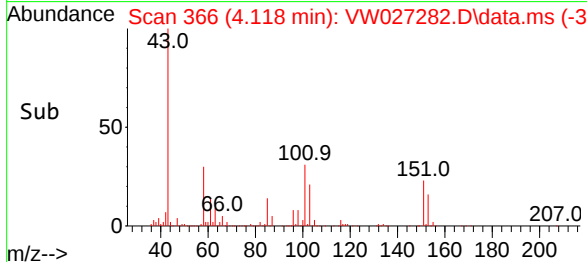
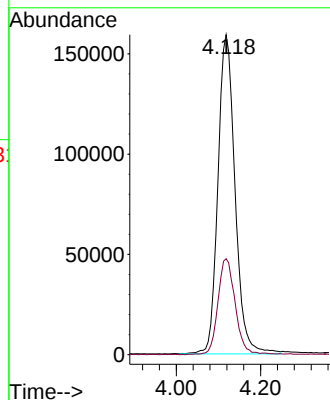
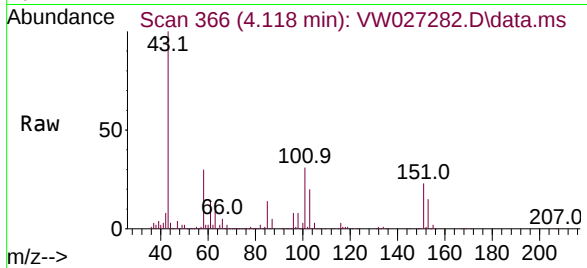




#13  
Acetone  
Concen: 194.482 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

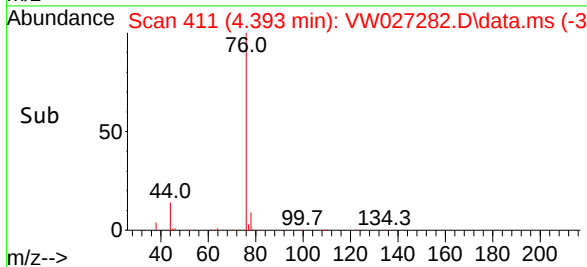
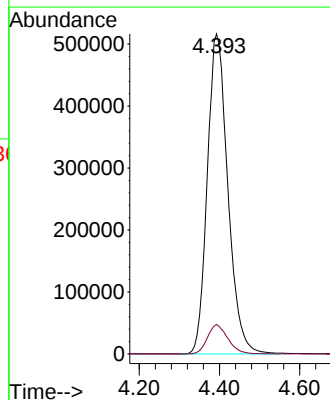
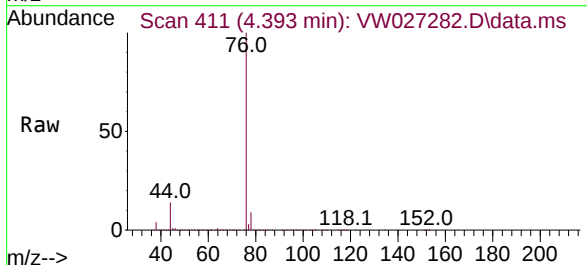
Instrument :  
MSVOA\_W  
ClientSampleId :

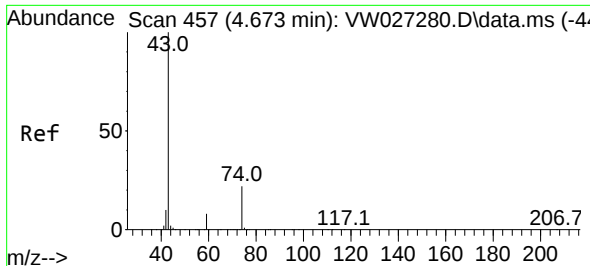
Tgt Ion: 43 Resp: 446762  
Ion Ratio Lower Upper  
43 100  
58 29.8 0.0 60.8



#14  
Carbon disulfide  
Concen: 84.277 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Tgt Ion: 76 Resp: 1836671  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.2 10.8

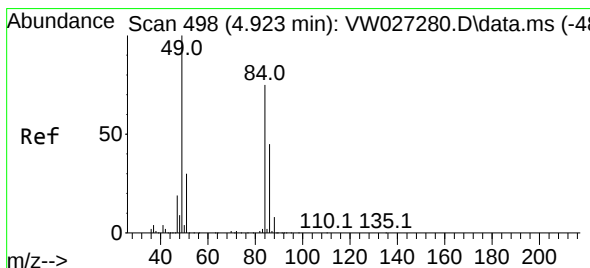
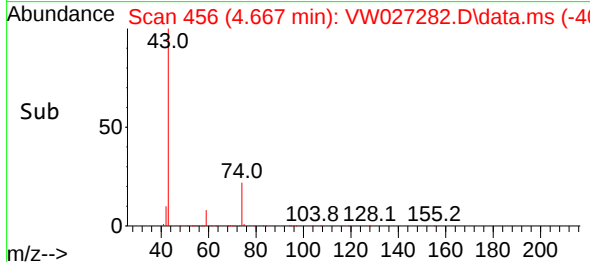
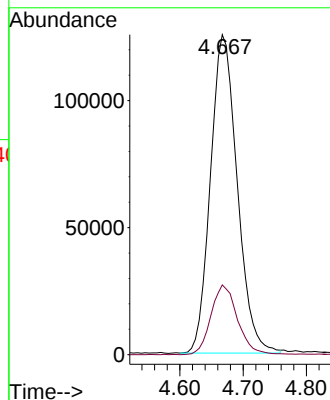
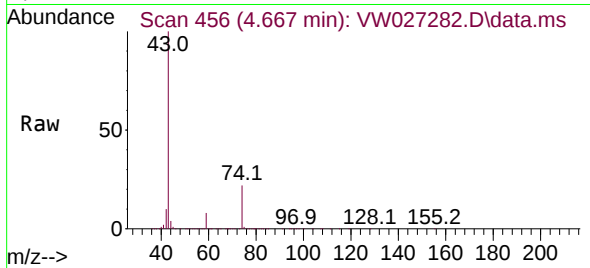




#15  
Methyl Acetate  
Concen: 91.698 ug/L  
RT: 4.667 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

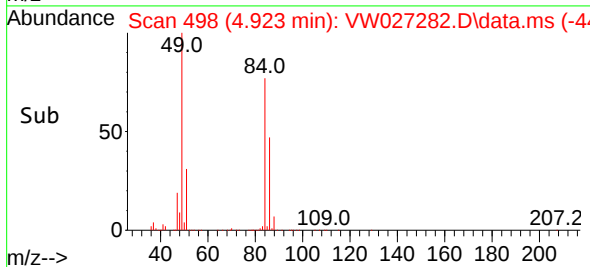
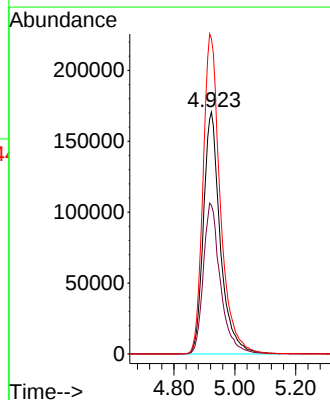
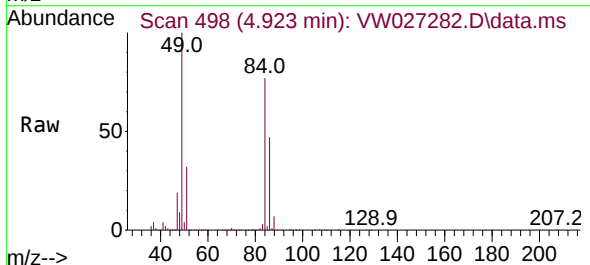
Instrument :  
MSVOA\_W  
ClientSampleId :

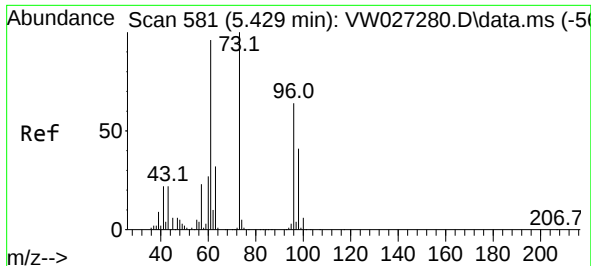
Tgt Ion: 43 Resp: 367867  
Ion Ratio Lower Upper  
43 100  
74 21.8 17.5 26.3



#16  
Methylene chloride  
Concen: 66.804 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

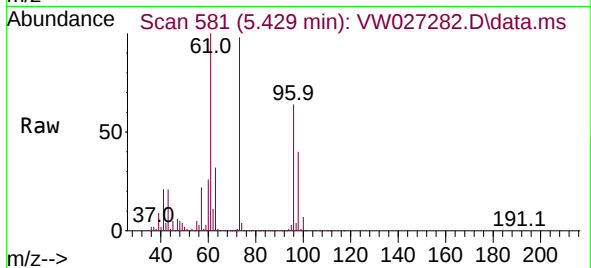
Tgt Ion: 84 Resp: 654095  
Ion Ratio Lower Upper  
84 100  
86 61.5 41.3 76.7  
49 130.3 92.8 172.4





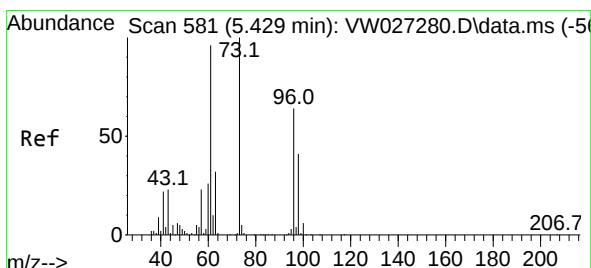
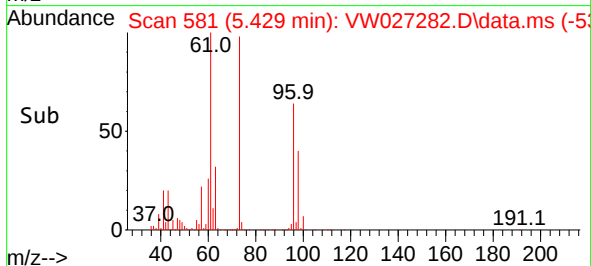
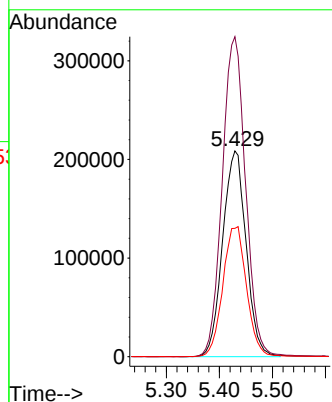
#17  
trans-1,2-Dichloroethene  
Concen: 84.848 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 96 Resp: 640955

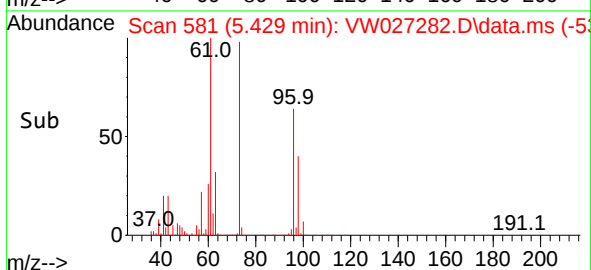
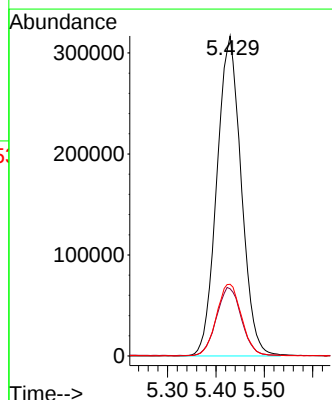
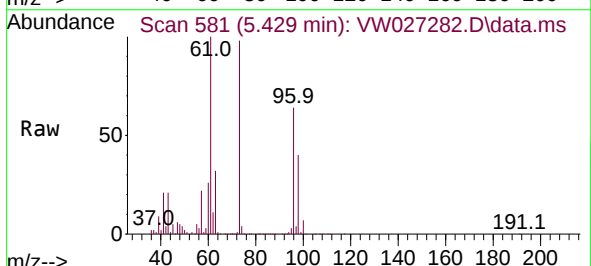
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 155.6 | 105.6 | 196.0 |
| 98  | 62.4  | 45.0  | 83.6  |

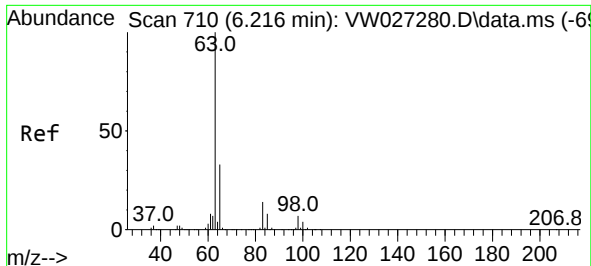


#18  
Methyl tert-butyl Ether  
Concen: 85.018 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Tgt Ion: 73 Resp: 1108202

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 21.8  | 17.7  | 26.5  |
| 57  | 23.0  | 18.5  | 27.7  |





#19

1,1-Dichloroethane

Concen: 87.431 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

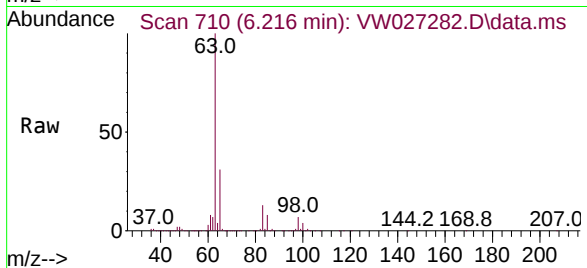
Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

Instrument :

MSVOA\_W

ClientSampleId :



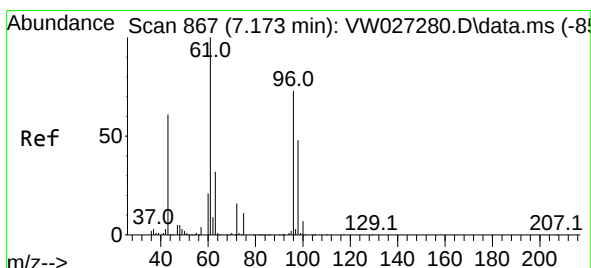
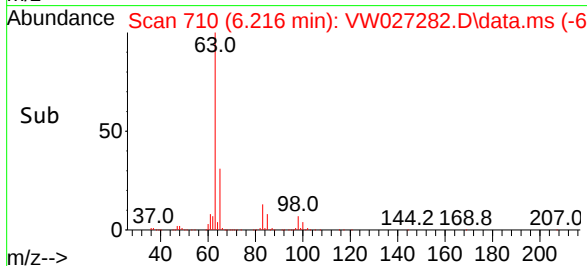
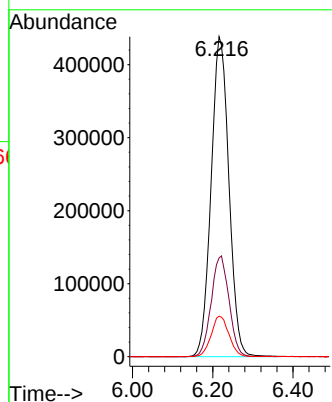
Tgt Ion: 63 Resp: 1347703

Ion Ratio Lower Upper

63 100

65 30.9 22.9 42.5

83 12.7 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 87.346 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

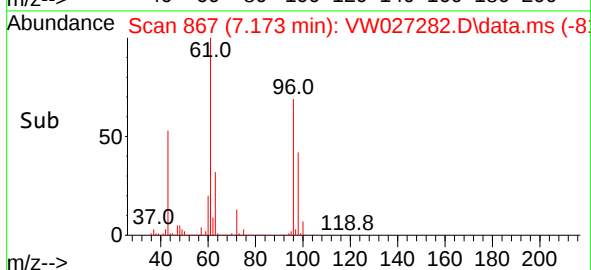
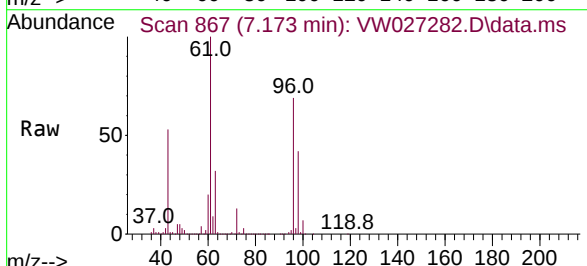
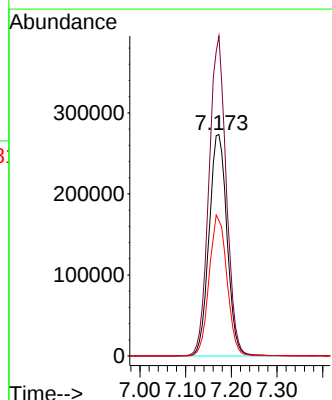
Tgt Ion: 96 Resp: 745244

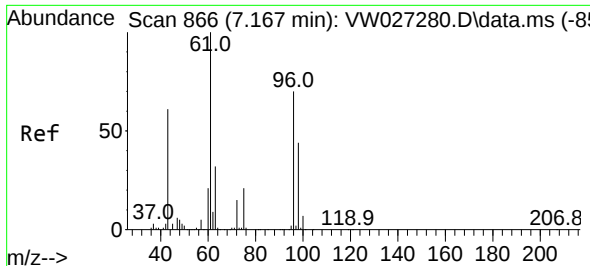
Ion Ratio Lower Upper

96 100

61 144.5 96.2 178.8

98 61.1 46.0 85.4

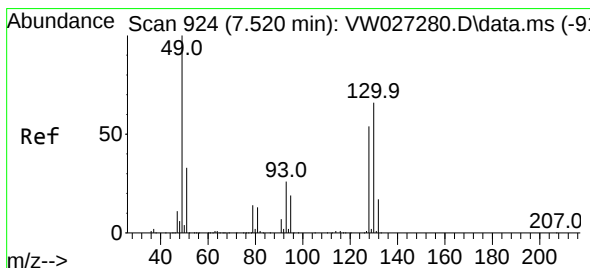
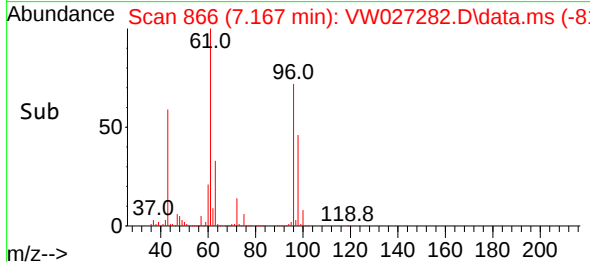
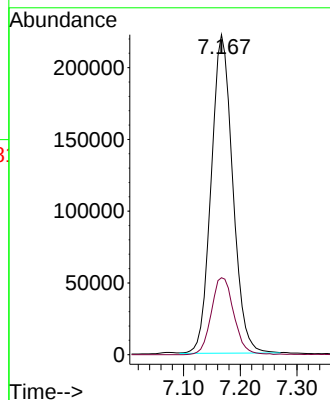
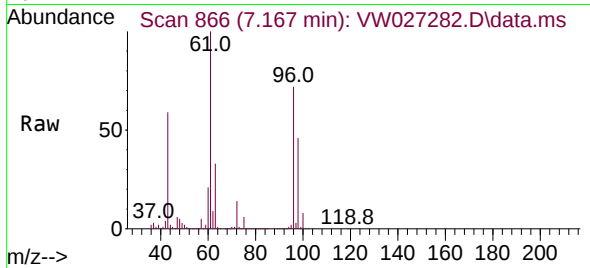




#22  
2-Butanone  
Concen: 166.536 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

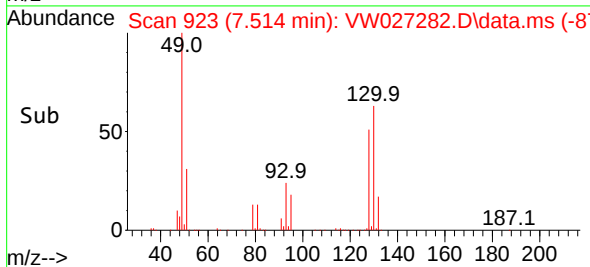
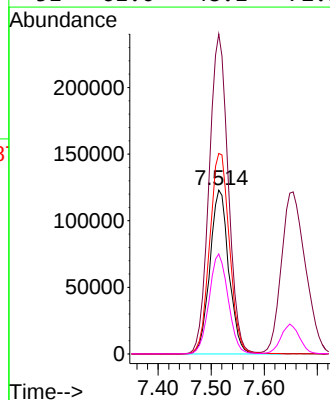
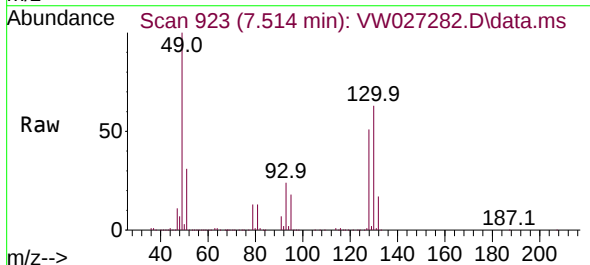
Instrument :  
MSVOA\_W  
ClientSampleId :

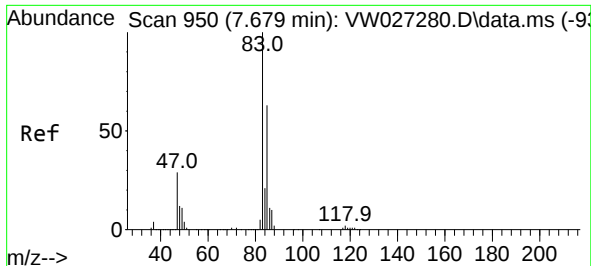
Tgt Ion: 43 Resp: 585489  
Ion Ratio Lower Upper  
43 100  
72 25.2 12.3 36.8



#23  
Bromochloromethane  
Concen: 86.575 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.006 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Tgt Ion: 128 Resp: 304963  
Ion Ratio Lower Upper  
128 100  
49 195.3 128.9 239.5  
130 122.4 85.0 157.8  
51 61.0 48.1 72.1

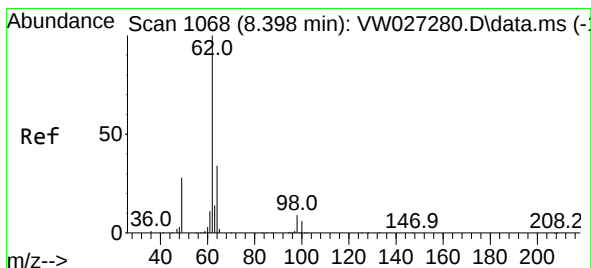
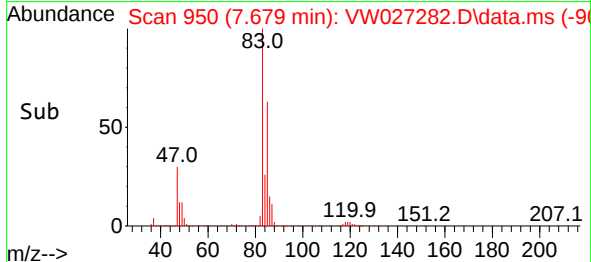
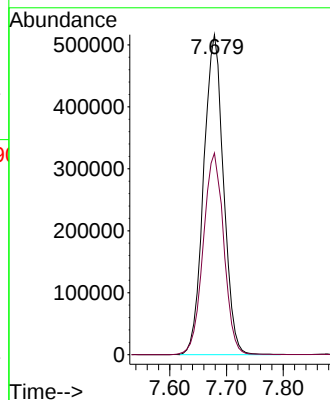
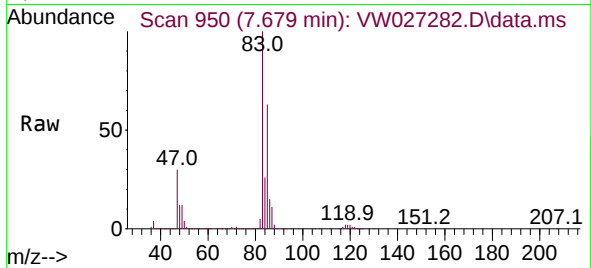




#25  
Chloroform  
Concen: 86.989 ug/L  
RT: 7.679 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

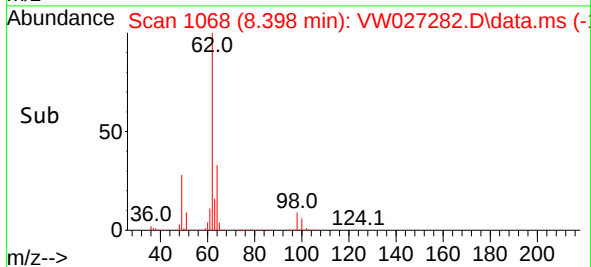
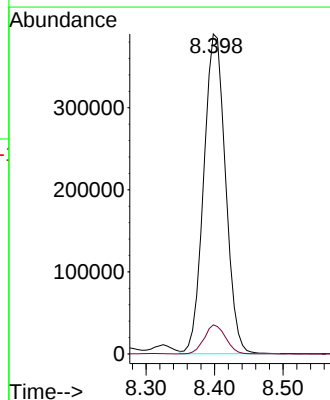
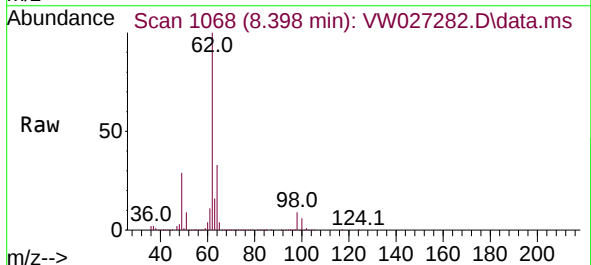
Instrument :  
MSVOA\_W  
ClientSampleId :

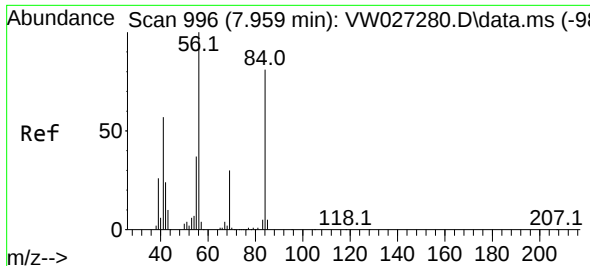
Tgt Ion: 83 Resp: 1254977  
Ion Ratio Lower Upper  
83 100  
85 63.0 44.1 81.9



#27  
1,2-Dichloroethane  
Concen: 87.962 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

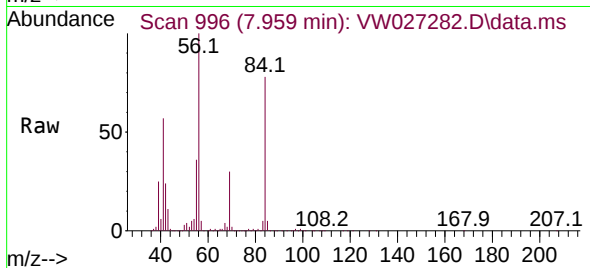
Tgt Ion: 62 Resp: 862028  
Ion Ratio Lower Upper  
62 100  
98 9.1 7.5 11.3



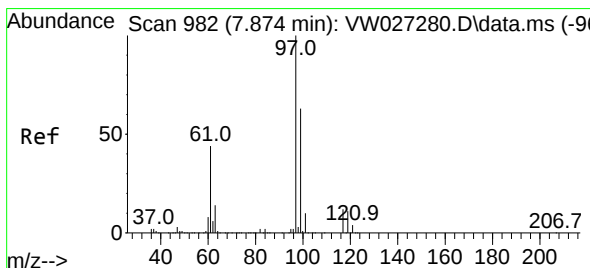
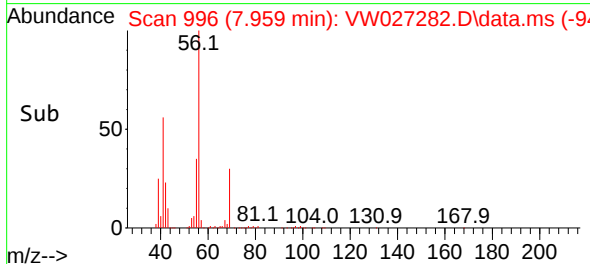
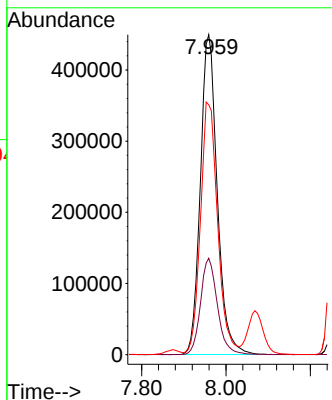


#29  
Cyclohexane  
Concen: 83.519 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Instrument :  
MSVOA\_W  
ClientSampleId :

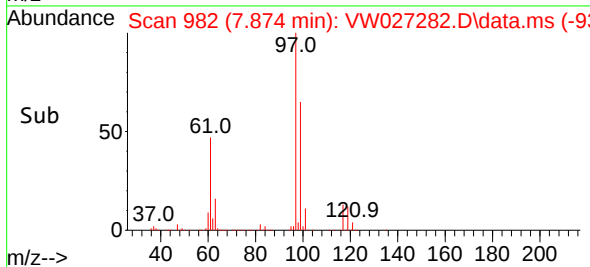
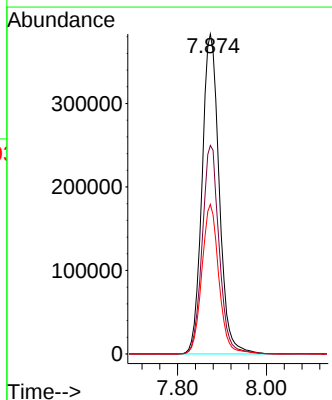
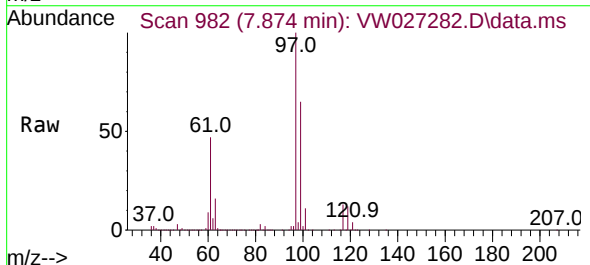


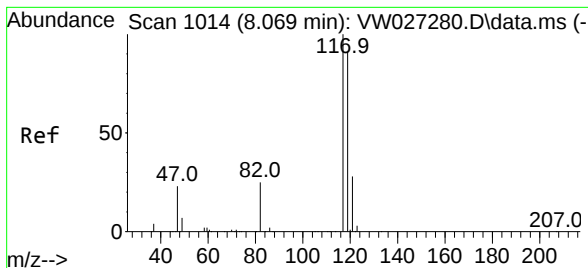
Tgt Ion: 56 Resp: 1252311  
Ion Ratio Lower Upper  
56 100  
69 30.1 24.2 36.4  
84 80.4 65.1 97.7



#30  
1,1,1-Trichloroethane  
Concen: 85.575 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Tgt Ion: 97 Resp: 1030866  
Ion Ratio Lower Upper  
97 100  
99 64.4 51.4 77.0  
61 46.4 37.4 56.0





#31

Carbon tetrachloride

Concen: 85.136 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

Instrument :

MSVOA\_W

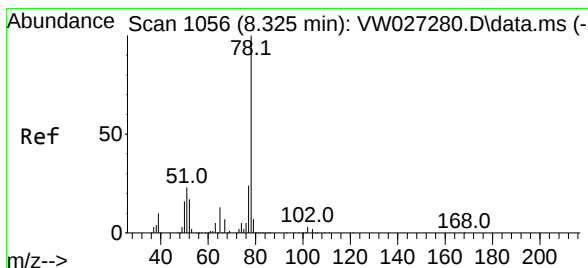
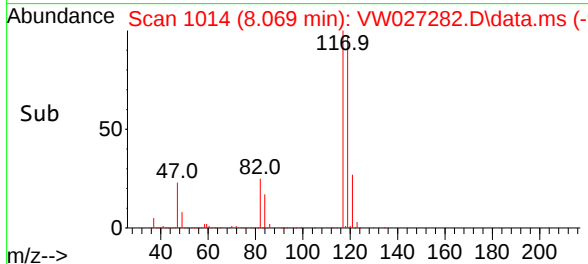
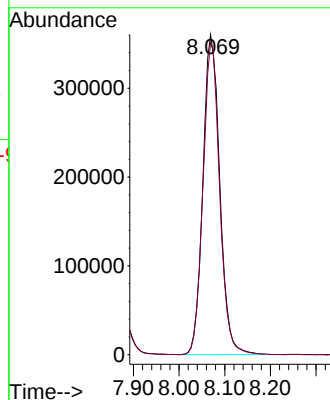
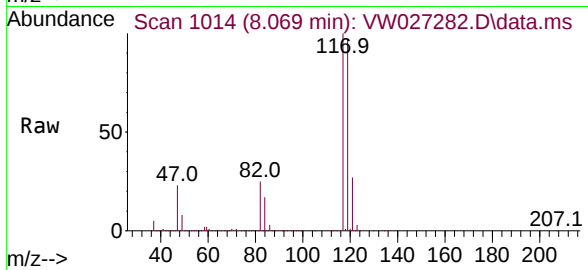
ClientSampleId :

Tgt Ion:117 Resp: 924765

Ion Ratio Lower Upper

117 100

119 96.4 77.1 115.7



#33

Benzene

Concen: 84.539 ug/L

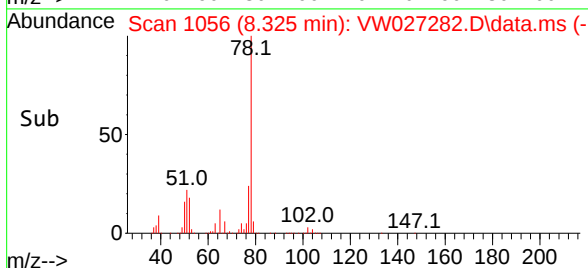
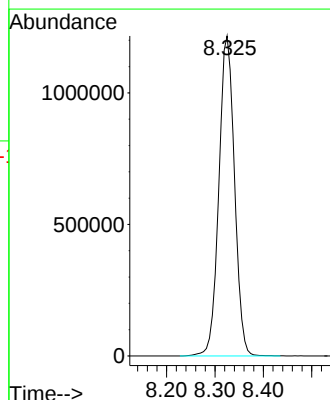
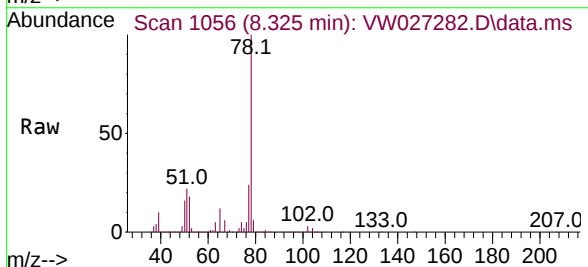
RT: 8.325 min Scan# 1056

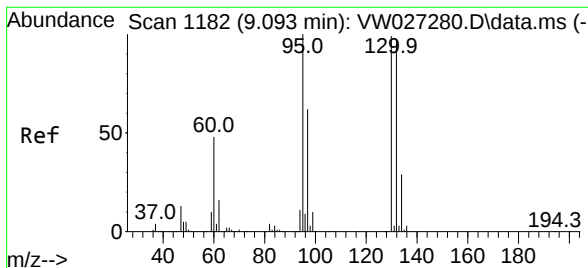
Delta R.T. 0.000 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

Tgt Ion: 78 Resp: 2728455





#34

Trichloroethene

Concen: 87.504 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

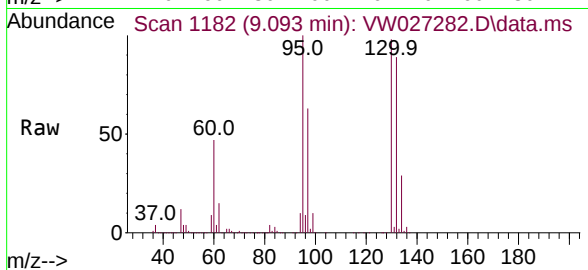
Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 745990

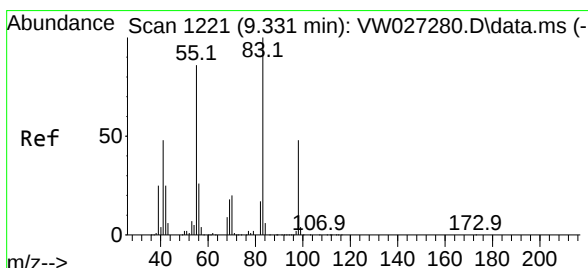
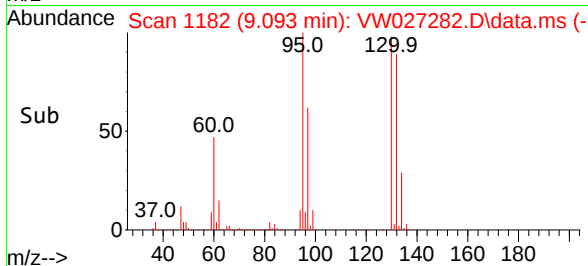
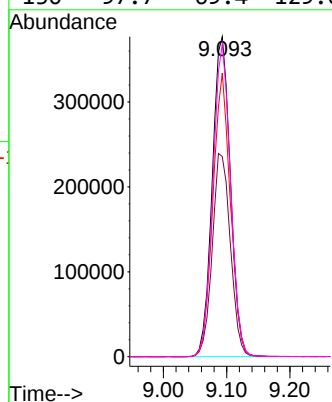
Ion Ratio Lower Upper

95 100

97 62.5 43.4 80.6

132 88.7 67.6 125.6

130 97.7 69.4 129.0



#35

Methylcyclohexane

Concen: 83.522 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

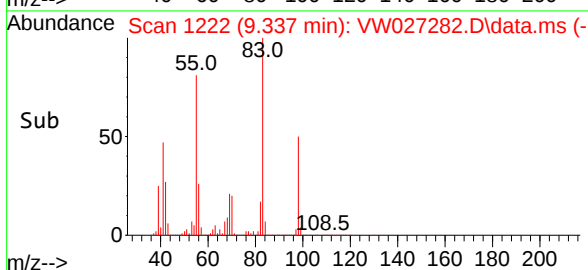
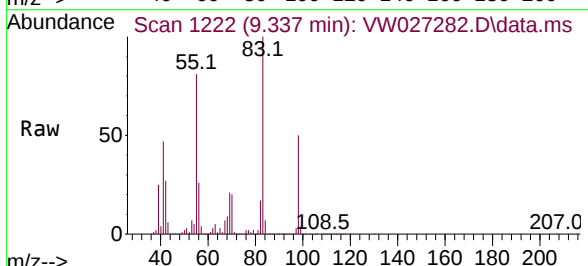
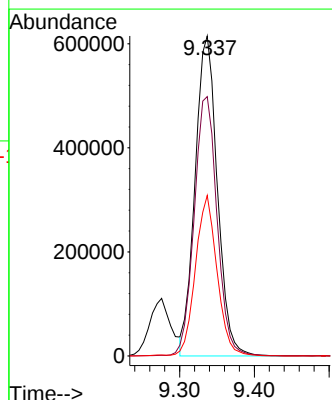
Tgt Ion: 83 Resp: 1273364

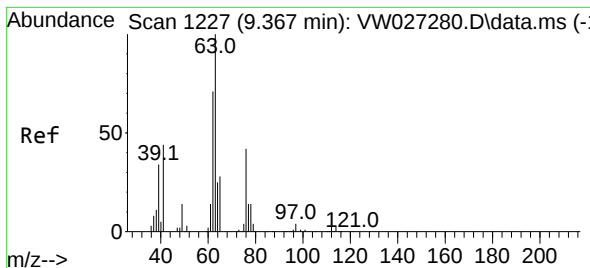
Ion Ratio Lower Upper

83 100

55 83.2 65.8 98.8

98 48.6 38.1 57.1





#37

1,2-Dichloropropane

Concen: 85.601 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

Instrument :

MSVOA\_W

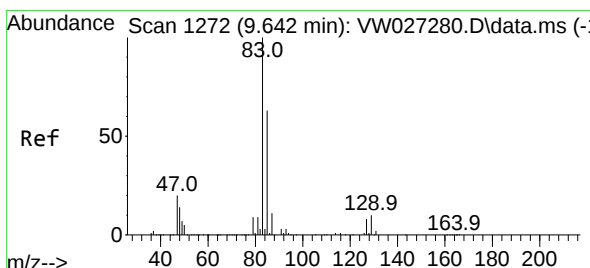
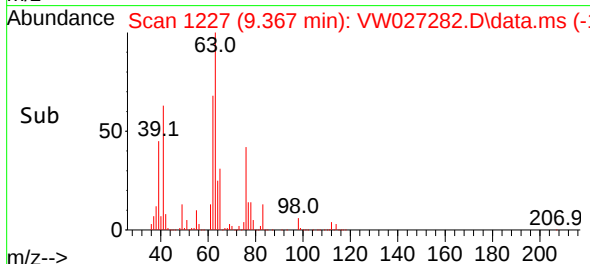
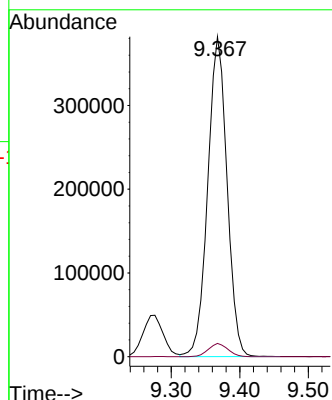
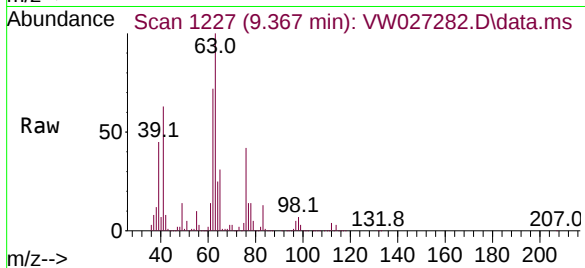
ClientSampleId :

Tgt Ion: 63 Resp: 747001

Ion Ratio Lower Upper

63 100

112 4.2 3.5 5.3



#38

Bromodichloromethane

Concen: 87.506 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

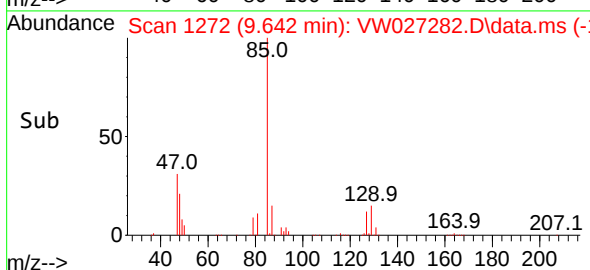
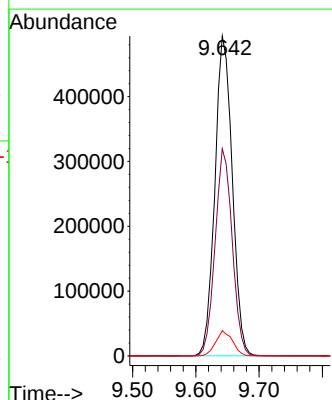
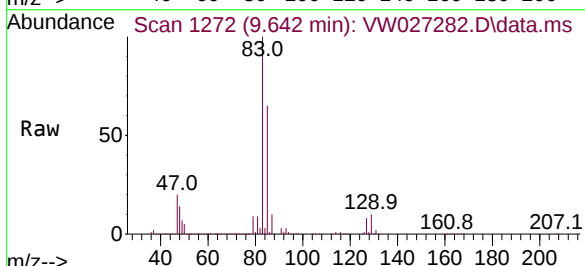
Tgt Ion: 83 Resp: 938984

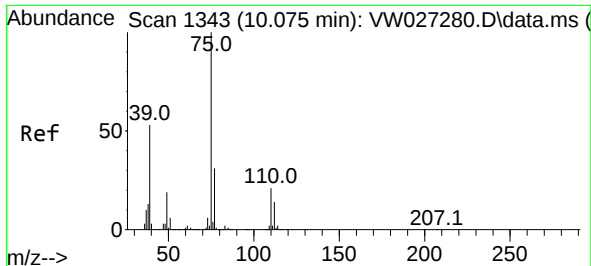
Ion Ratio Lower Upper

83 100

85 64.7 43.9 81.5

127 7.9 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 86.968 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

Instrument :

MSVOA\_W

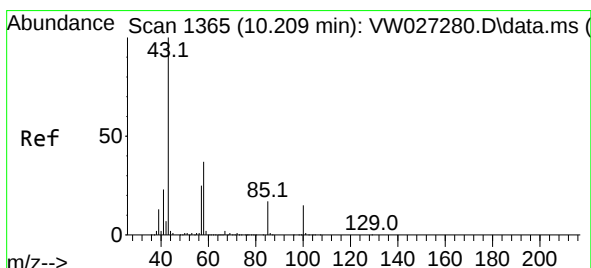
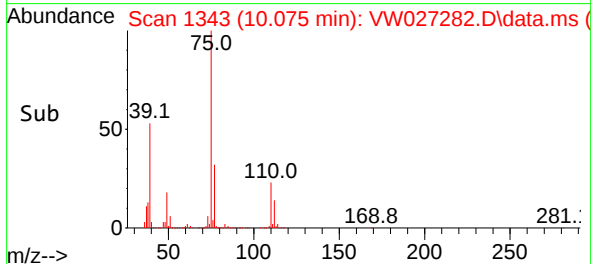
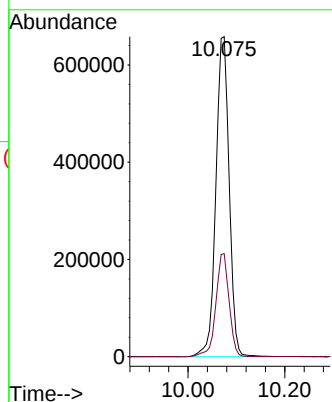
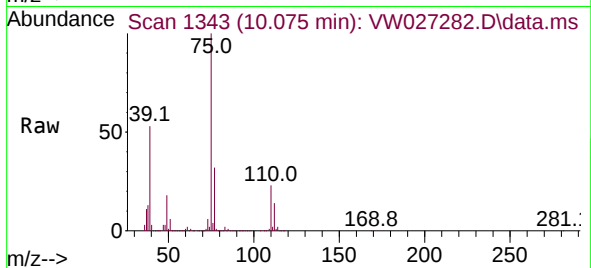
ClientSampleId :

Tgt Ion: 75 Resp: 1253667

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 179.764 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

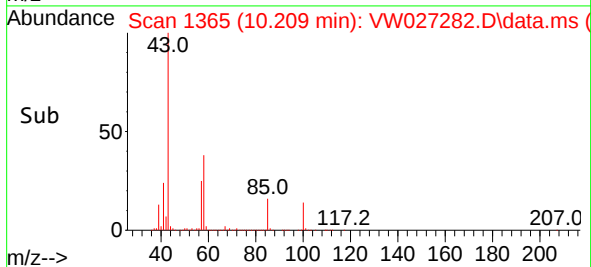
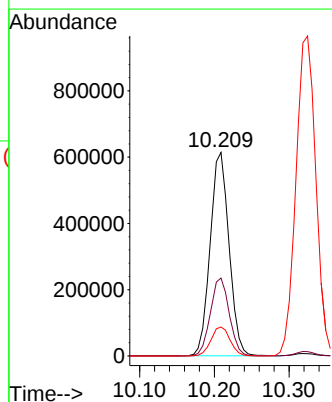
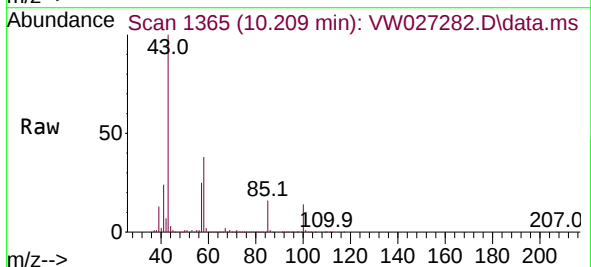
Tgt Ion: 43 Resp: 1078837

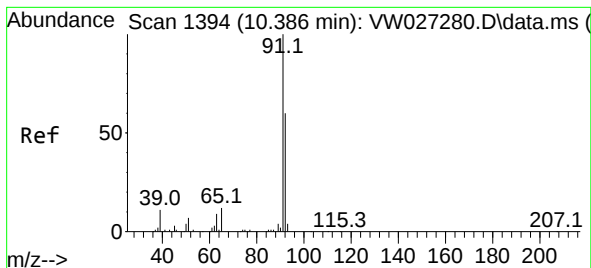
Ion Ratio Lower Upper

43 100

58 38.3 30.5 45.7

100 14.4 11.5 17.3





#42

Toluene

Concen: 83.529 ug/L

RT: 10.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

Instrument :

MSVOA\_W

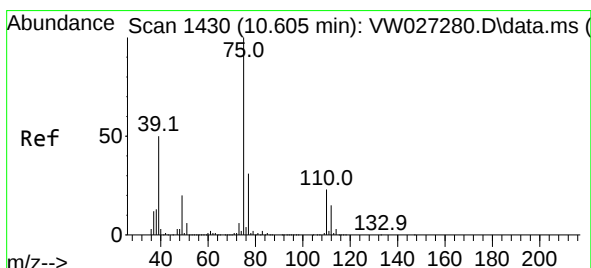
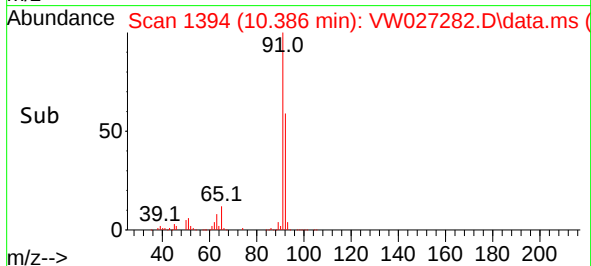
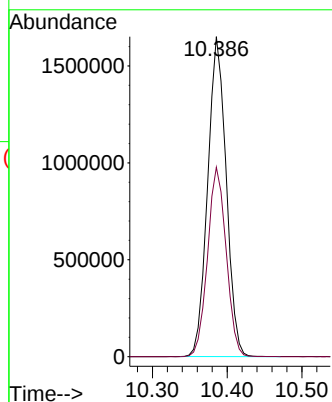
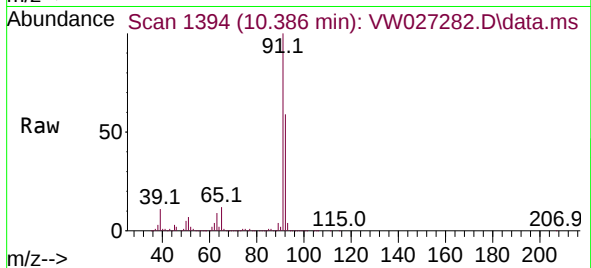
ClientSampleId :

Tgt Ion: 91 Resp: 2828035

Ion Ratio Lower Upper

91 100

92 59.2 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 87.041 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW027282.D

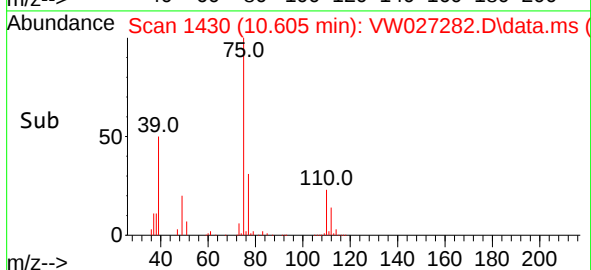
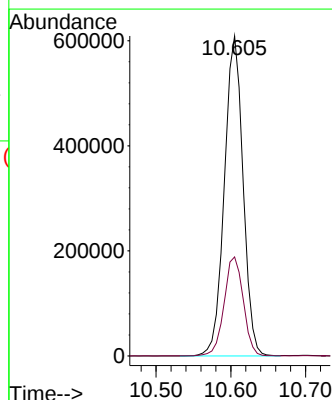
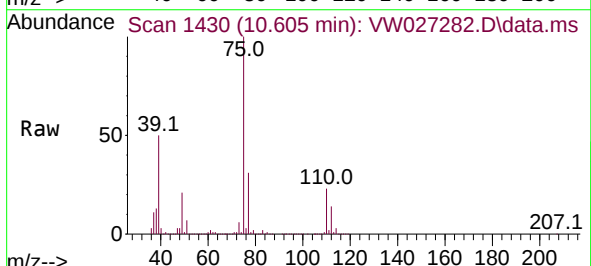
Acq: 11 Oct 2023 12:04

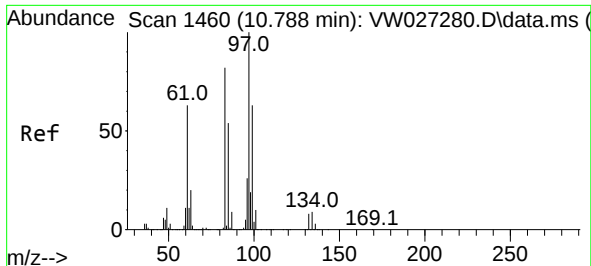
Tgt Ion: 75 Resp: 1058704

Ion Ratio Lower Upper

75 100

77 30.9 22.0 41.0



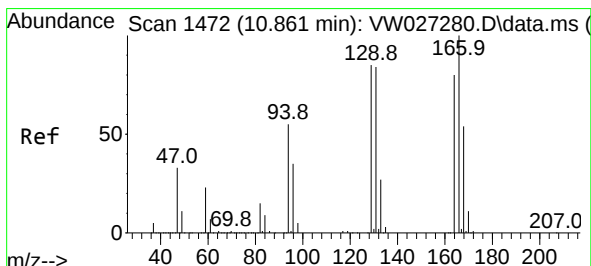
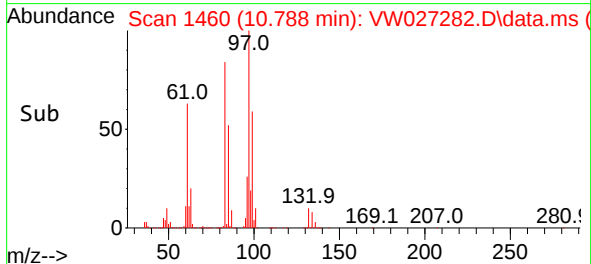
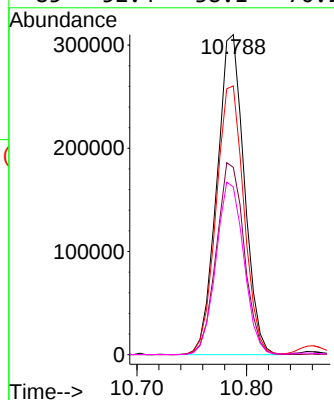
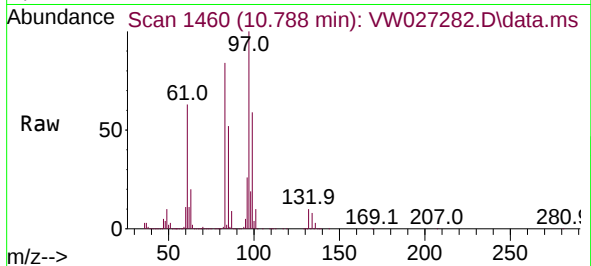


#45  
1,1,2-Trichloroethane  
Concen: 89.441 ug/L  
RT: 10.788 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 97 Resp: 537100

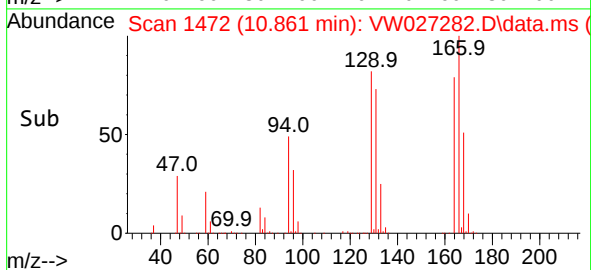
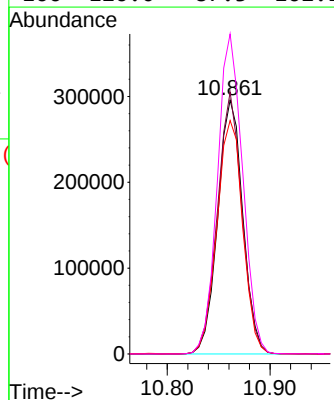
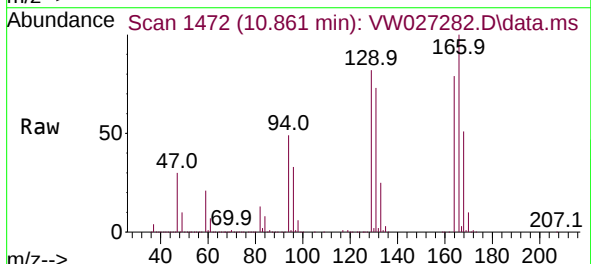
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 58.6  | 43.8  | 81.4  |
| 83  | 84.0  | 57.5  | 106.7 |
| 85  | 52.4  | 38.1  | 70.9  |

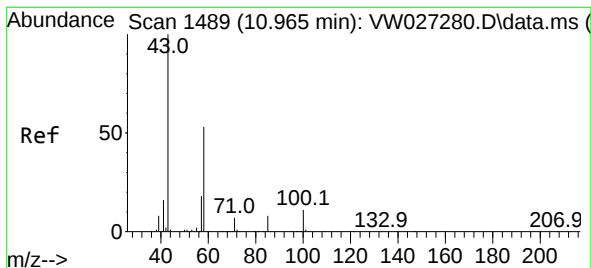


#46  
Tetrachloroethene  
Concen: 84.872 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Tgt Ion: 164 Resp: 499612

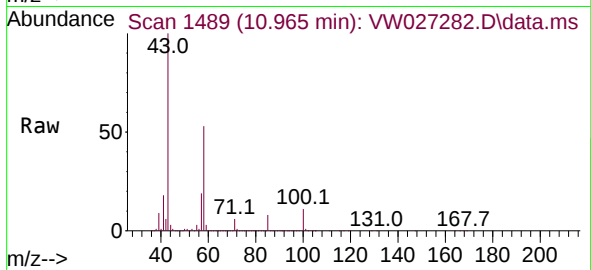
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 103.2 | 74.7  | 138.7 |
| 131 | 91.9  | 73.2  | 136.0 |
| 166 | 126.0 | 87.3  | 162.1 |



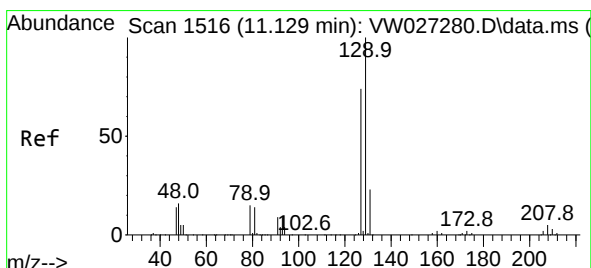
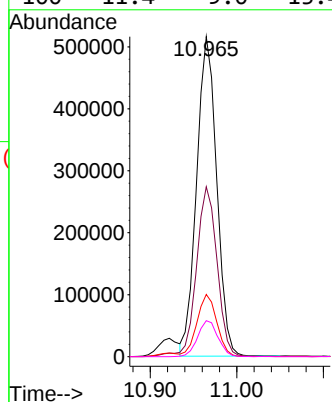
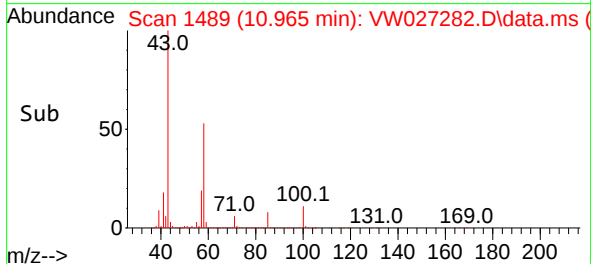


#48  
2-Hexanone  
Concen: 186.938 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

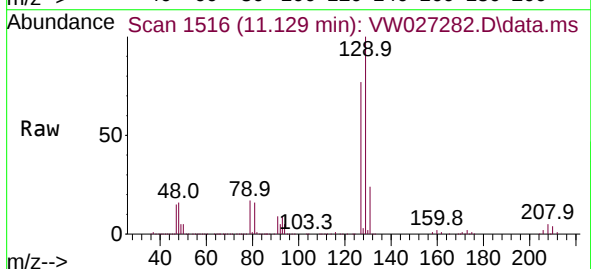
Instrument :  
MSVOA\_W  
ClientSampleId :



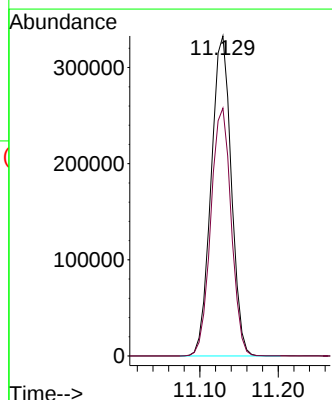
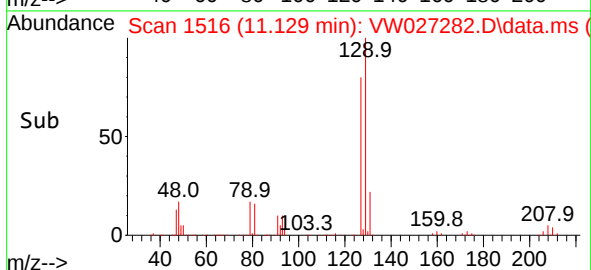
Tgt Ion: 43 Resp: 830356  
Ion Ratio Lower Upper  
43 100  
58 53.6 42.2 63.4  
57 19.3 15.1 22.7  
100 11.4 9.0 13.4

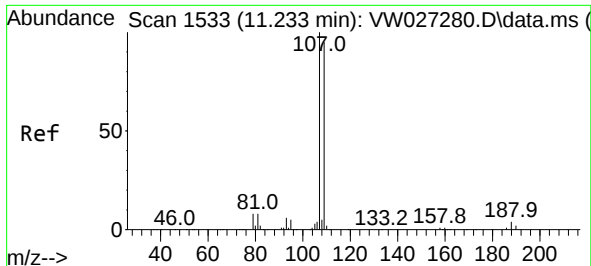


#49  
Dibromochloromethane  
Concen: 89.133 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04



Tgt Ion: 129 Resp: 594432  
Ion Ratio Lower Upper  
129 100  
127 77.4 51.7 95.9





#50

1,2-Dibromoethane

Concen: 87.592 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW027282.D

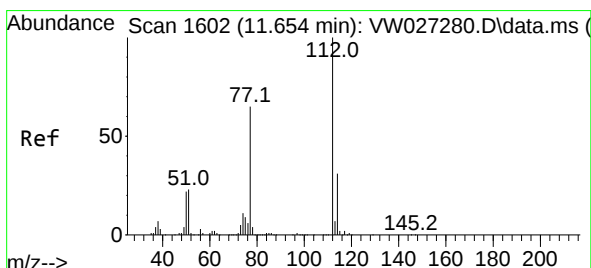
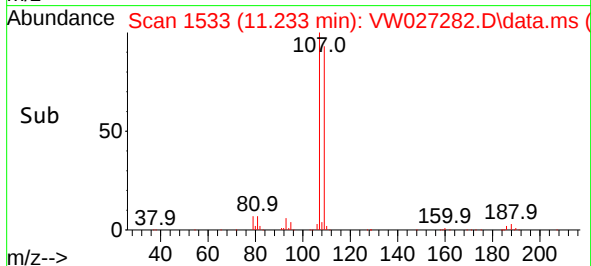
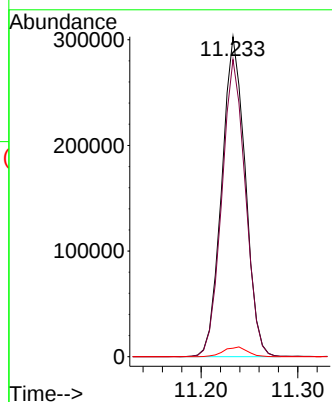
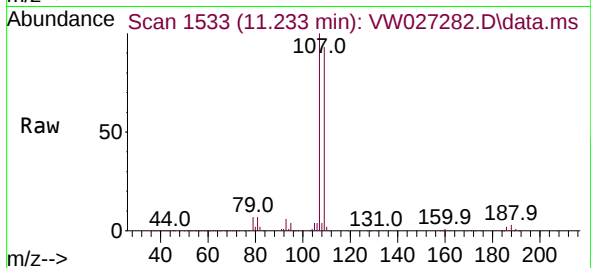
Acq: 11 Oct 2023 12:04

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion:107 Resp: 509976  
 Ion Ratio Lower Upper  
 107 100  
 109 92.9 66.3 123.1  
 188 2.6 3.0 4.4#



#51

Chlorobenzene

Concen: 86.177 ug/L

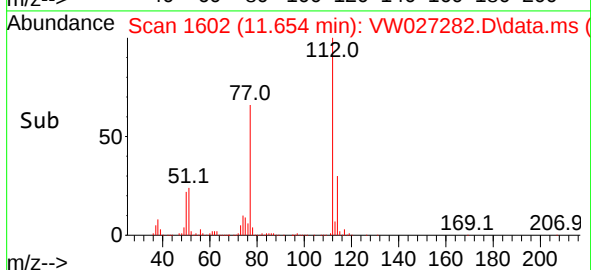
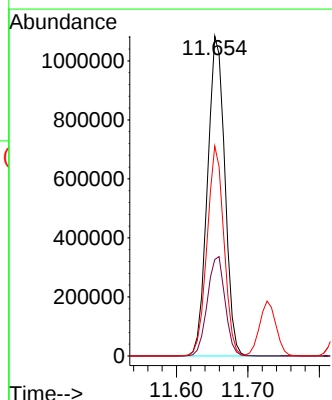
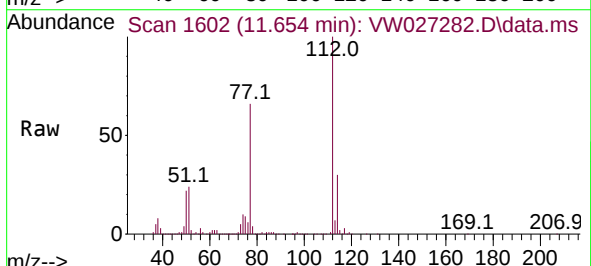
RT: 11.654 min Scan# 1602

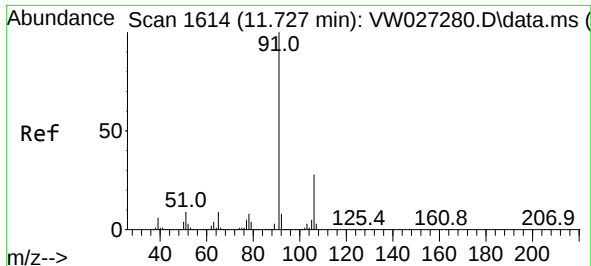
Delta R.T. 0.000 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

Tgt Ion:112 Resp: 1827076  
 Ion Ratio Lower Upper  
 112 100  
 114 30.1 21.8 40.6  
 77 65.6 52.2 78.4

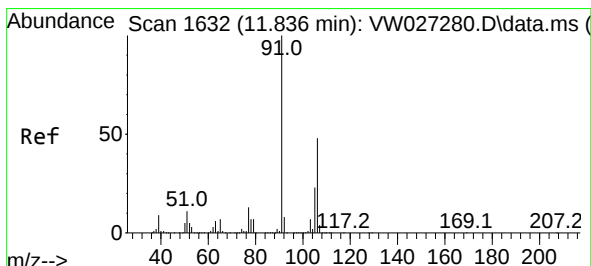
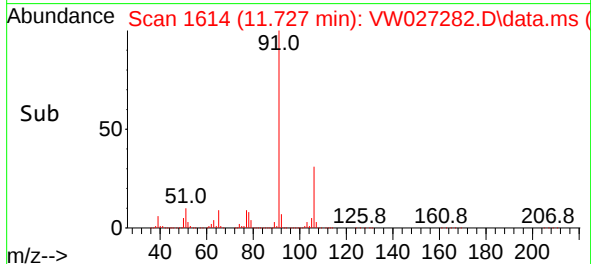
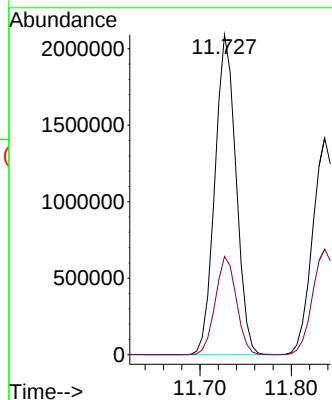
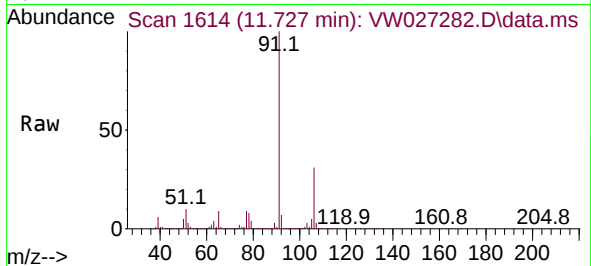




#52  
Ethylbenzene  
Concen: 85.417 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

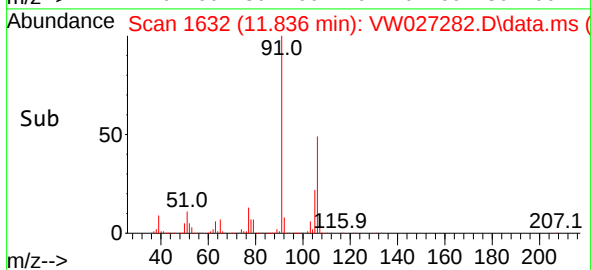
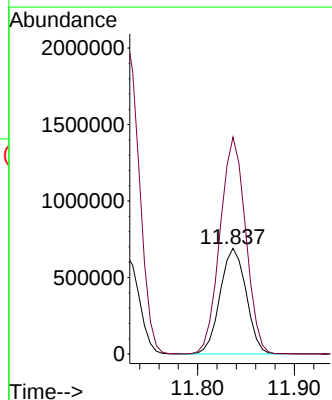
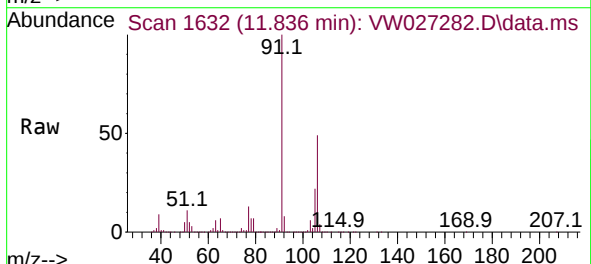
Instrument :  
MSVOA\_W  
ClientSampleId :

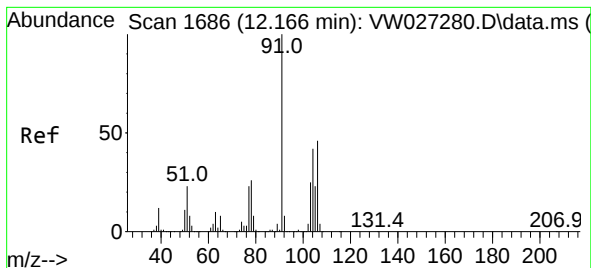
Tgt Ion: 91 Resp: 3360615  
Ion Ratio Lower Upper  
91 100  
106 30.7 19.8 36.8



#53  
m,p-Xylene  
Concen: 86.267 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Tgt Ion:106 Resp: 1287321  
Ion Ratio Lower Upper  
106 100  
91 205.4 144.5 268.4

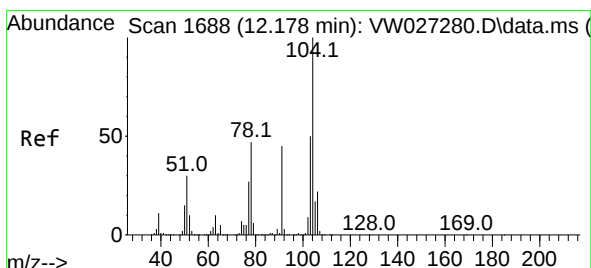
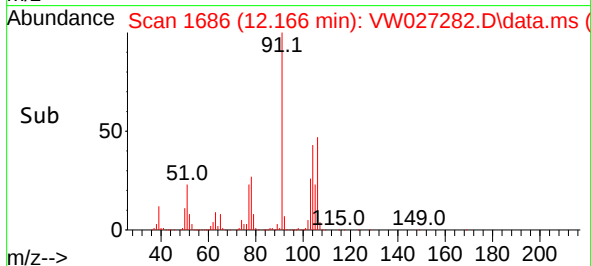
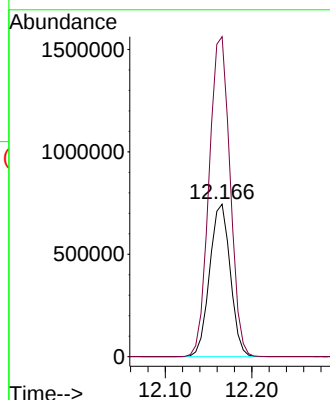
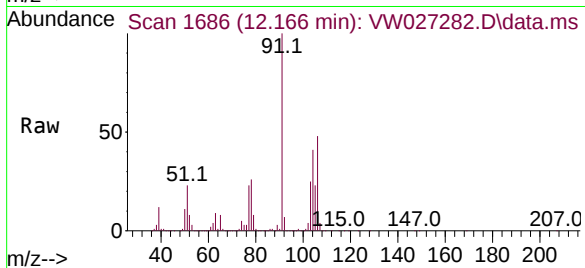




#54  
o-Xylene  
Concen: 86.124 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

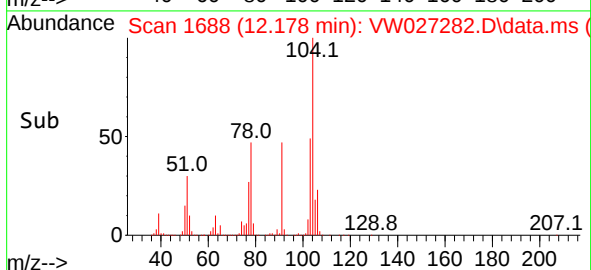
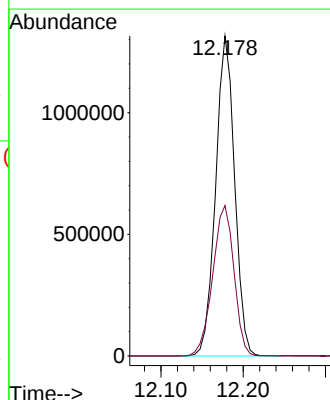
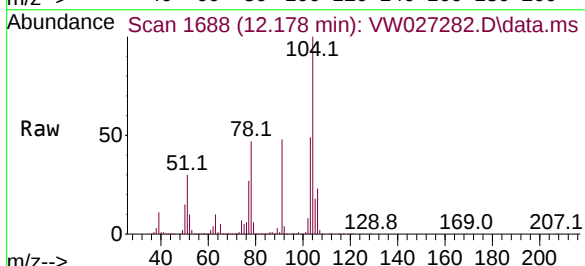
Instrument :  
MSVOA\_W  
ClientSampleId :

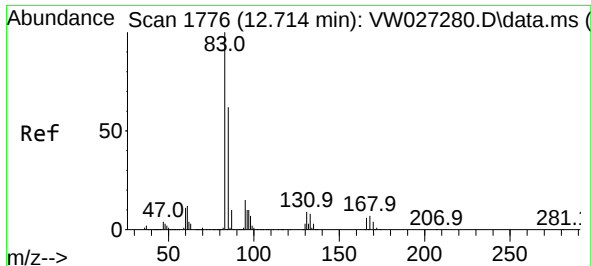
Tgt Ion:106 Resp: 1230713  
Ion Ratio Lower Upper  
106 100  
91 209.8 152.0 282.2



#55  
Styrene  
Concen: 86.429 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Tgt Ion:104 Resp: 2109305  
Ion Ratio Lower Upper  
104 100  
78 47.0 33.2 61.6

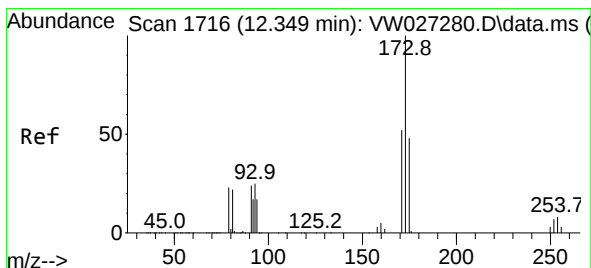
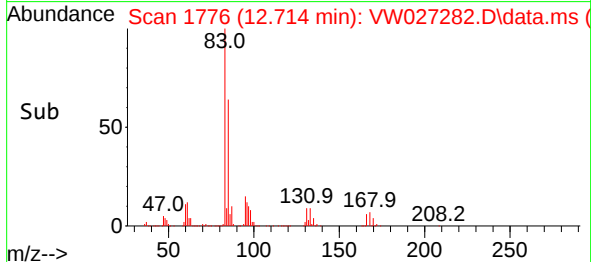
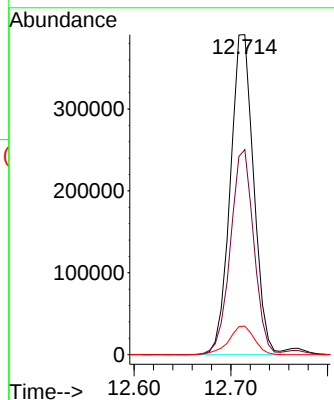
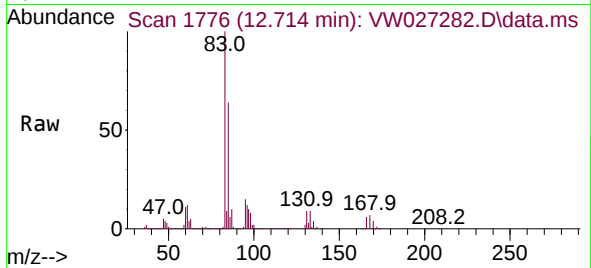




#57  
1,1,2,2-Tetrachloroethane  
Concen: 89.428 ug/L  
RT: 12.714 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

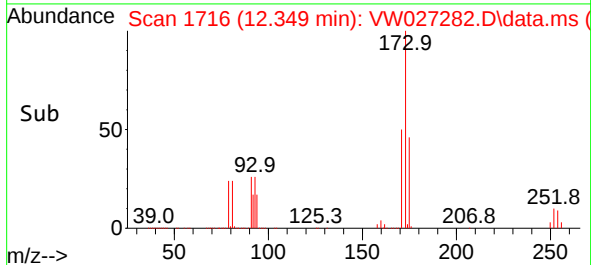
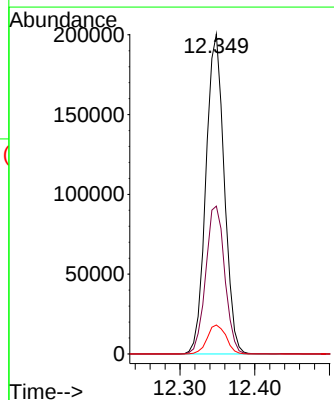
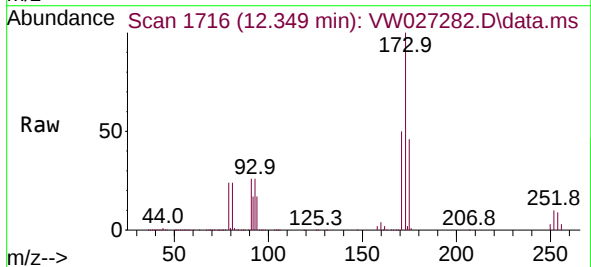
Instrument :  
MSVOA\_W  
ClientSampleId :

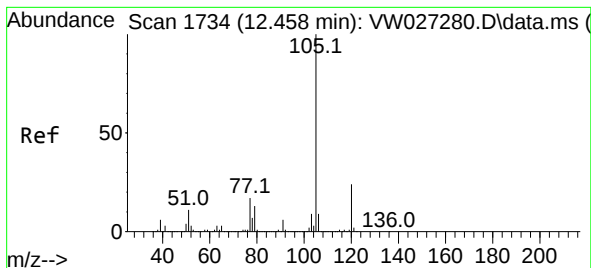
Tgt Ion: 83 Resp: 655577  
Ion Ratio Lower Upper  
83 100  
85 64.1 43.2 80.2  
131 9.0 7.2 10.8



#59  
Bromoform  
Concen: 92.991 ug/L  
RT: 12.349 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Tgt Ion: 173 Resp: 340324  
Ion Ratio Lower Upper  
173 100  
175 48.1 39.6 59.4  
254 9.4 6.6 10.0





#60

Isopropylbenzene

Concen: 84.678 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

Instrument :

MSVOA\_W

ClientSampleId :

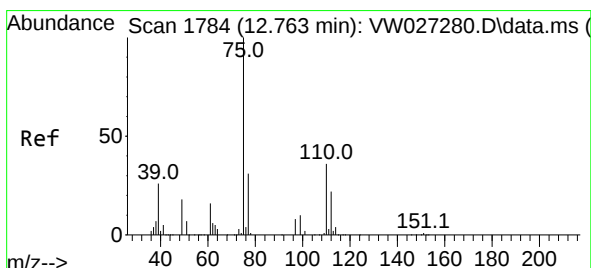
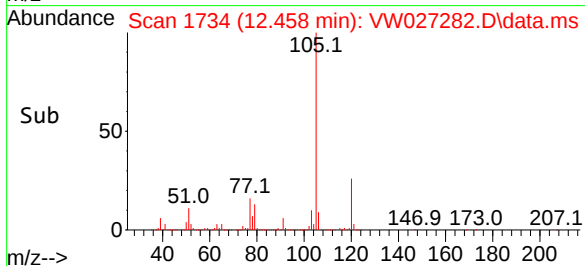
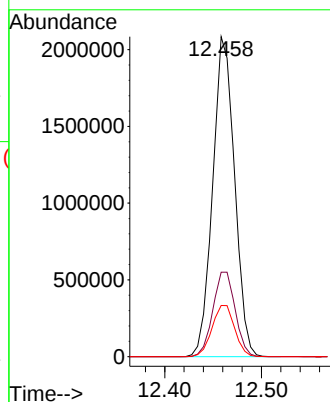
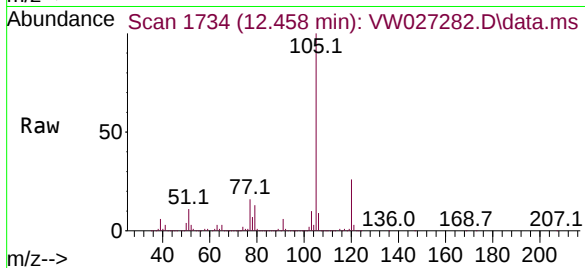
Tgt Ion:105 Resp: 3271714

Ion Ratio Lower Upper

105 100

120 27.0 20.1 30.1

77 16.6 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 90.147 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

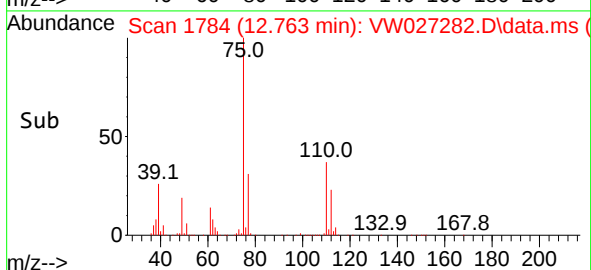
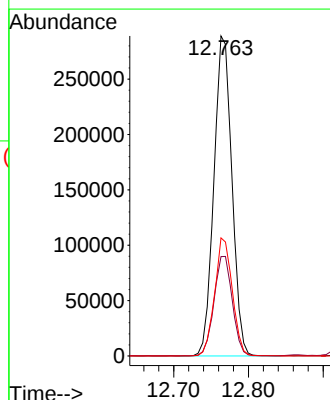
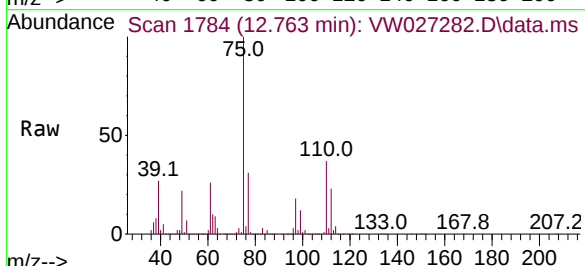
Tgt Ion: 75 Resp: 484109

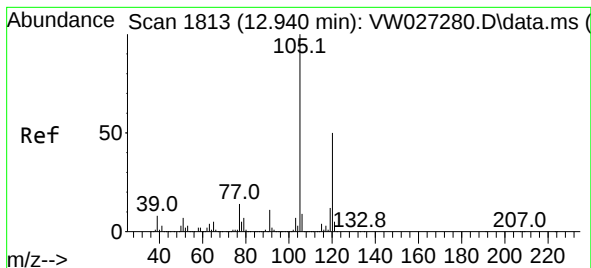
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

110 36.1 29.7 44.5

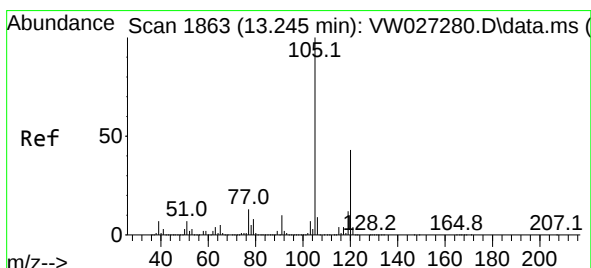
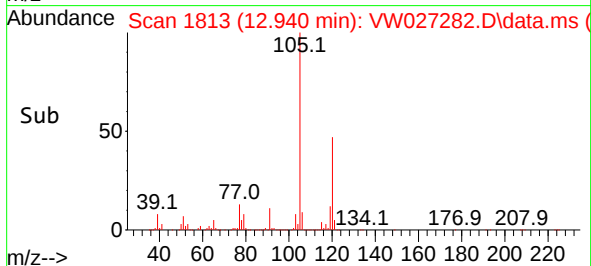
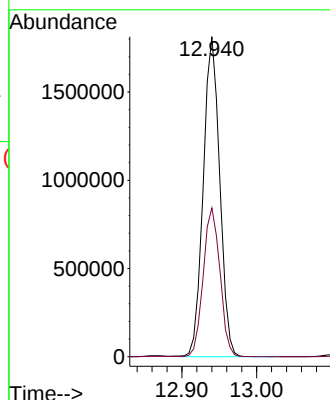
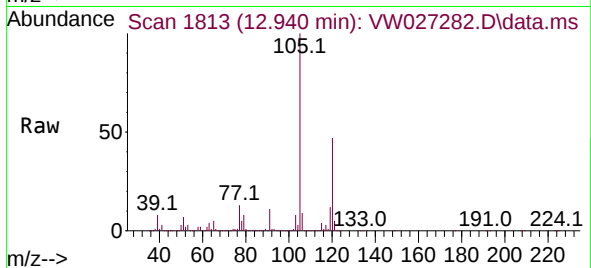




#62  
1,3,5-Trimethylbenzene  
Concen: 86.021 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

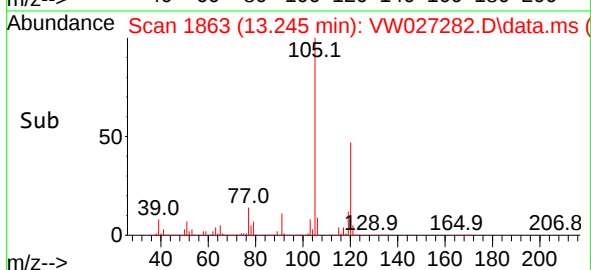
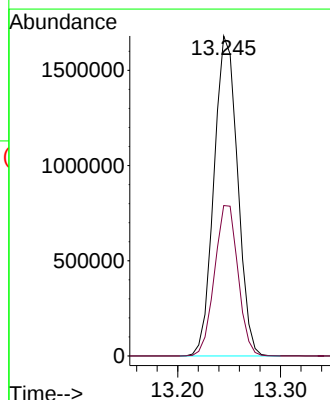
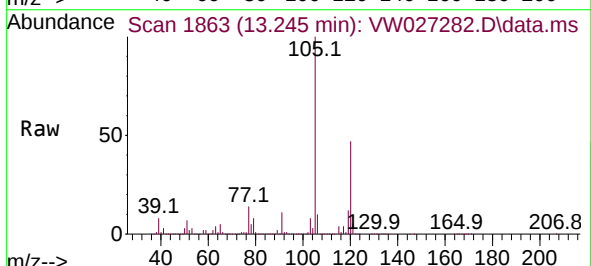
Instrument :  
MSVOA\_W  
ClientSampleId :

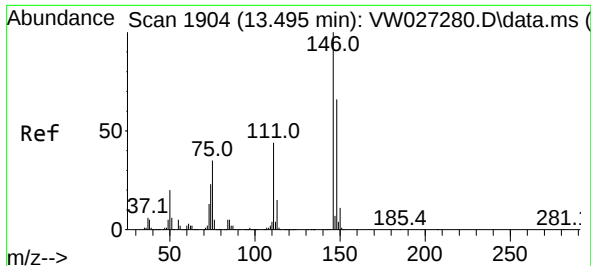
Tgt Ion:105 Resp: 2772364  
Ion Ratio Lower Upper  
105 100  
120 47.3 38.8 58.2



#63  
1,2,4-Trimethylbenzene  
Concen: 84.928 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Tgt Ion:105 Resp: 2678067  
Ion Ratio Lower Upper  
105 100  
120 46.7 35.4 53.2

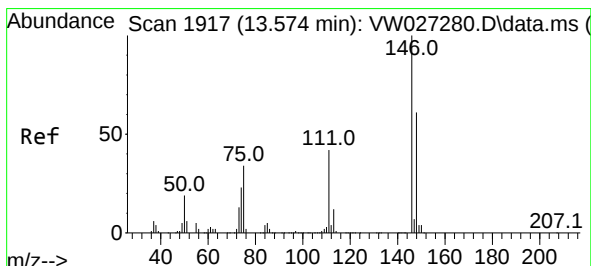
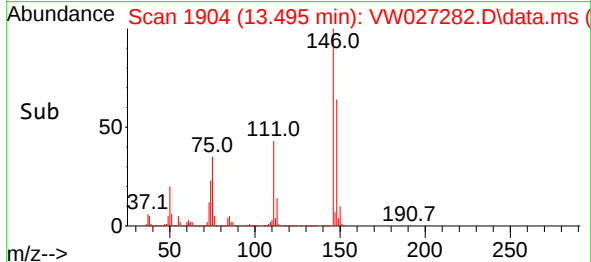
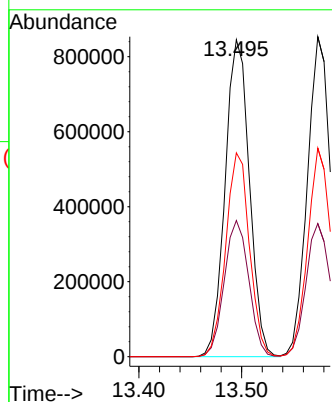
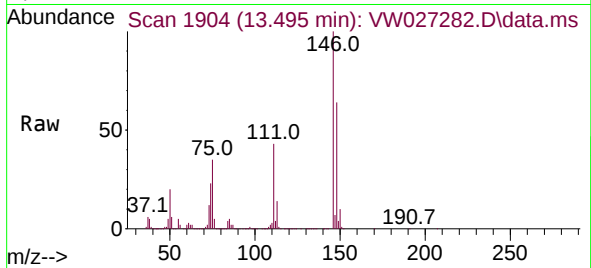




#64  
1,3-Dichlorobenzene  
Concen: 88.505 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

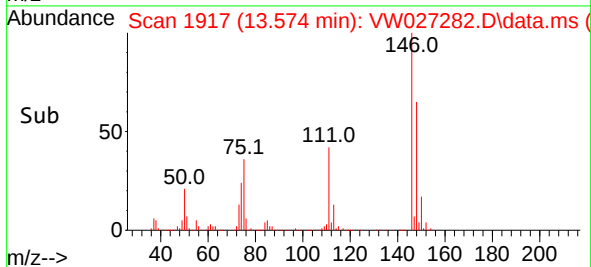
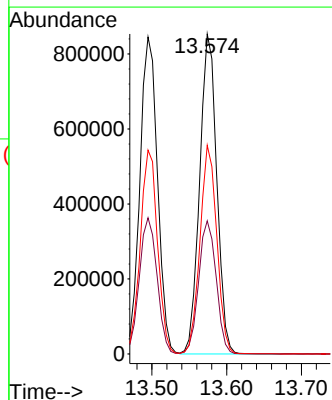
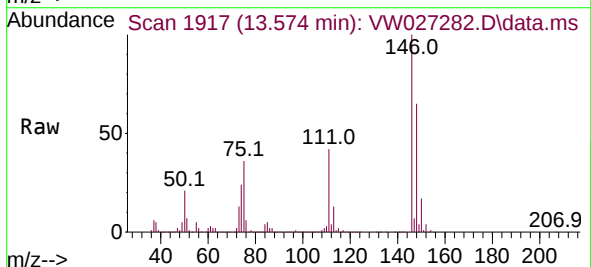
Instrument :  
MSVOA\_W  
ClientSampleId :

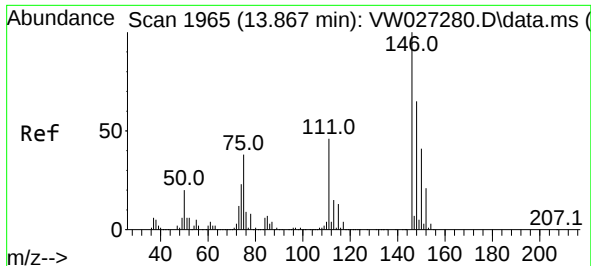
Tgt Ion:146 Resp: 1386702  
Ion Ratio Lower Upper  
146 100  
111 43.0 30.8 57.2  
148 64.3 46.3 85.9



#65  
1,4-Dichlorobenzene  
Concen: 86.690 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW027282.D  
Acq: 11 Oct 2023 12:04

Tgt Ion:146 Resp: 1356433  
Ion Ratio Lower Upper  
146 100  
111 41.6 29.5 54.9  
148 65.2 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 84.179 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

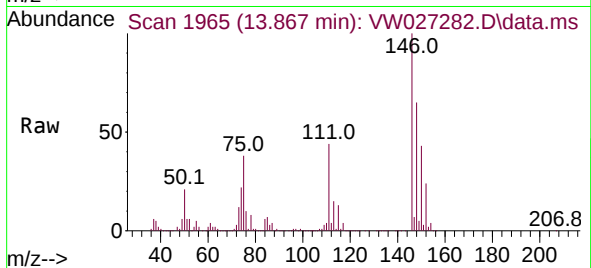
Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

Instrument :

MSVOA\_W

ClientSampleId :



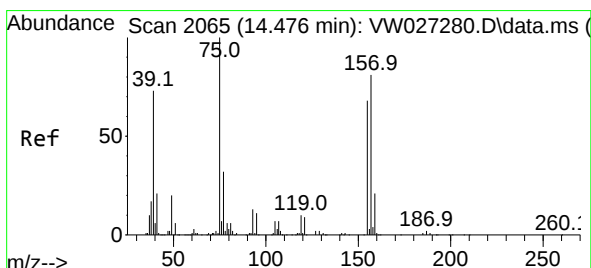
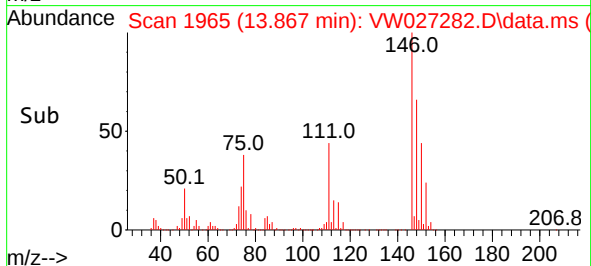
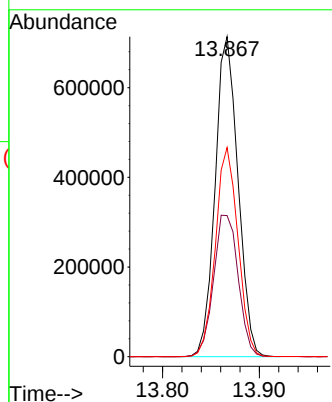
Tgt Ion:146 Resp: 1170351

Ion Ratio Lower Upper

146 100

111 44.1 36.8 55.2

148 65.3 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 88.457 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

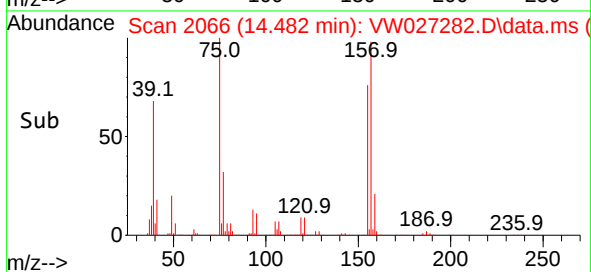
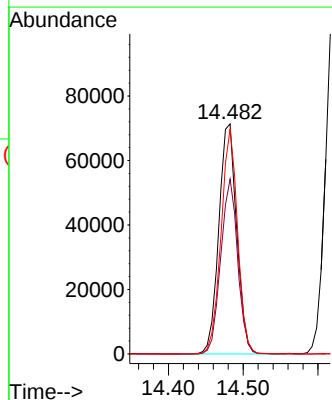
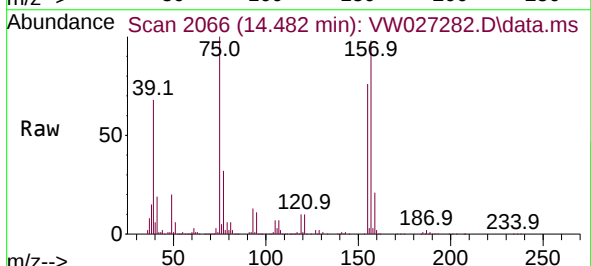
Tgt Ion: 75 Resp: 118724

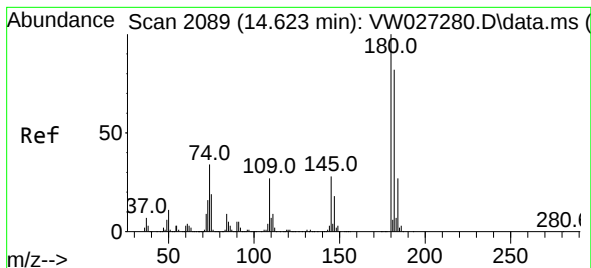
Ion Ratio Lower Upper

75 100

155 76.0 54.9 82.3

157 97.8 64.7 97.1#





#69

1,3,5-Trichlorobenzene

Concen: 83.912 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

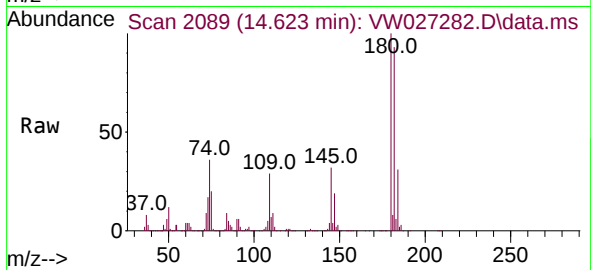
Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 853482

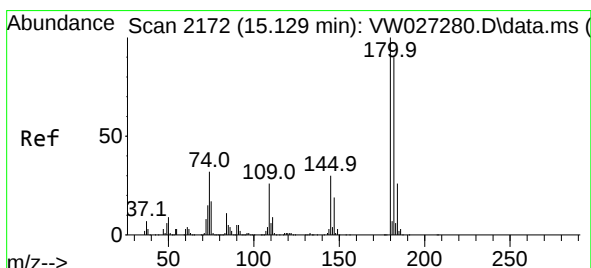
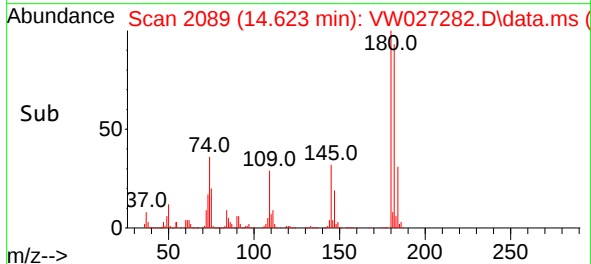
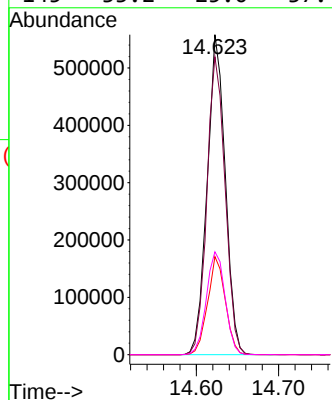
Ion Ratio Lower Upper

180 100

182 93.7 73.4 110.0

184 29.9 23.3 34.9

145 33.2 25.0 37.4



#70

1,2,4-trichlorobenzene

Concen: 83.851 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

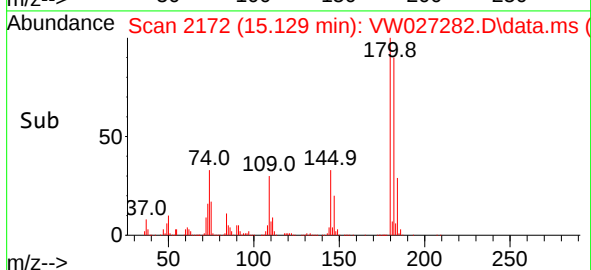
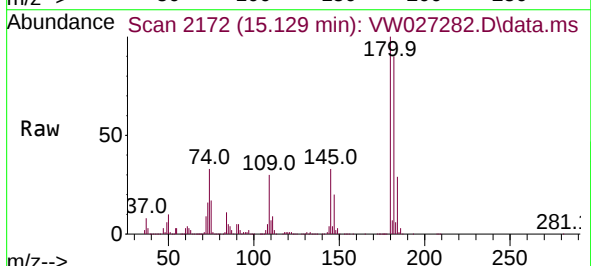
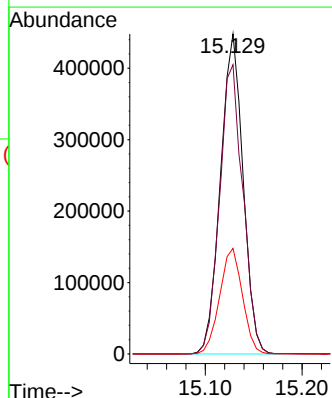
Tgt Ion:180 Resp: 725896

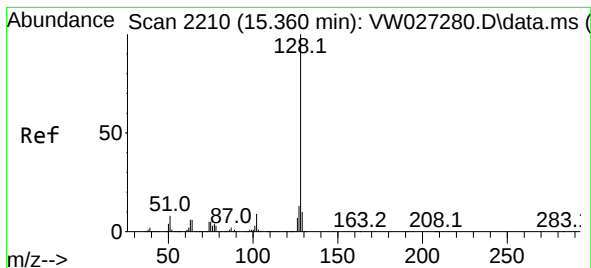
Ion Ratio Lower Upper

180 100

182 93.3 75.5 113.3

145 33.3 26.4 39.6





#71

Naphthalene

Concen: 86.595 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

Instrument :

MSVOA\_W

ClientSampleId :

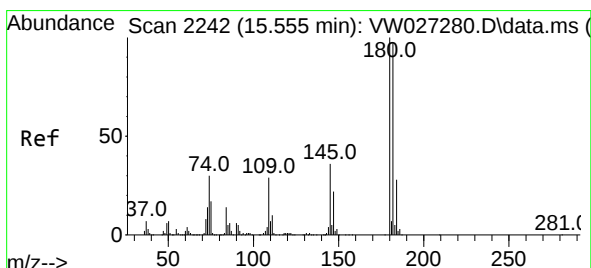
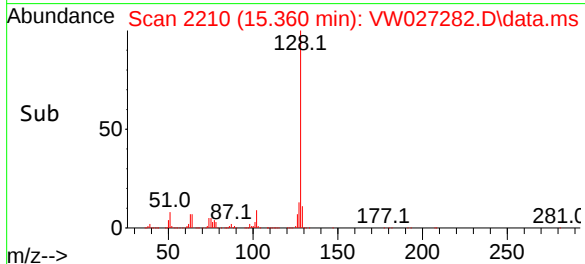
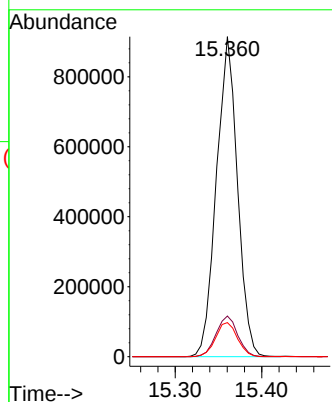
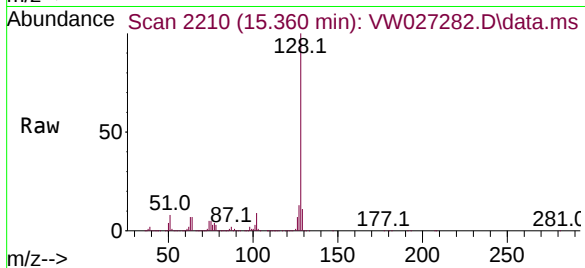
Tgt Ion:128 Resp: 1541625

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

129 11.1 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 82.777 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.006 min

Lab File: VW027282.D

Acq: 11 Oct 2023 12:04

Tgt Ion:180 Resp: 589257

Ion Ratio Lower Upper

180 100

182 97.2 81.1 121.7

145 35.8 30.6 45.8

