

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092723\  
 Data File : VW027190.D  
 Acq On : 27 Sep 2023 12:07  
 Operator : SY/MD  
 Sample : VSTD100  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Sep 27 23:10:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092723SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 27 23:07:22 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114  | 664848   | 25.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 674122   | 25.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 360421   | 25.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65   | 975366   | 93.387  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 2.893  | 69   | 756668   | 91.558  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65   | 418107   | 96.338  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 7.075  | 46   | 444329   | 203.092 | ug/L  | 0.00     |
| 24) Chloroform-d              | 7.648  | 84   | 1804781  | 92.752  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65   | 844122   | 90.522  | ug/L  | 0.00     |
| 32) Benzene-d6                | 8.276  | 84   | 3727015  | 90.211  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67   | 1131463  | 91.477  | ug/L  | 0.00     |
| 41) Toluene-d8                | 10.325 | 98   | 3485490  | 95.605  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79   | 486922   | 100.314 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 10.922 | 63   | 427501   | 225.941 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 872327   | 92.155  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152  | 1130880  | 93.580  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.021  | 85   | 940945   | 100.781 | ug/L  | 97       |
| 3) Chloromethane              | 2.229  | 50   | 1168373  | 100.201 | ug/L  | 97       |
| 5) Vinyl chloride             | 2.375  | 62   | 1293332  | 101.583 | ug/L  | 97       |
| 6) Bromomethane               | 2.783  | 94   | 851239   | 101.484 | ug/L  | 93       |
| 8) Chloroethane               | 2.930  | 64   | 786912   | 101.840 | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 3.265  | 101  | 1161361  | 108.534 | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101  | 1067516  | 97.084  | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 4.045  | 96   | 1082682  | 105.263 | ug/L  | 100      |
| 13) Acetone                   | 4.118  | 43   | 567132   | 212.534 | ug/L  | 98       |
| 14) Carbon disulfide          | 4.387  | 76   | 3444090  | 99.764  | ug/L  | 99       |
| 15) Methyl Acetate            | 4.667  | 43   | 463704   | 103.679 | ug/L  | 98       |
| 16) Methylene chloride        | 4.917  | 84   | 1108937  | 85.205  | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96   | 1158237  | 104.658 | ug/L  | 99       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73   | 1531430  | 110.579 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63   | 2107120  | 102.097 | ug/L  | 100      |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96   | 1279909  | 108.495 | ug/L  | 97       |
| 22) 2-Butanone                | 7.167  | 43   | 760593   | 234.409 | ug/L  | 100      |
| 23) Bromochloromethane        | 7.514  | 128  | 542974   | 100.869 | ug/L  | 95       |
| 25) Chloroform                | 7.679  | 83   | 2025269  | 100.612 | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 1231204  | 99.846  | ug/L  | 99       |
| 29) Cyclohexane               | 7.953  | 56   | 1943208  | 108.348 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 1640423  | 97.891  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 1523853  | 96.276  | ug/L  | 99       |
| 33) Benzene                   | 8.325  | 78   | 4668933  | 97.991  | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 1233535  | 99.139  | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.337  | 83   | 2212069  | 105.703 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 1198382  | 97.559  | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.648  | 83   | 1450942  | 98.407  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 1983934  | 109.674 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 1329668  | 223.248 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 4989914  | 101.979 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 1631128  | 110.023 | ug/L  | 99       |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Sep 27 23:10:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092723SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 27 23:07:22 2023  
 Response via : Initial Calibration

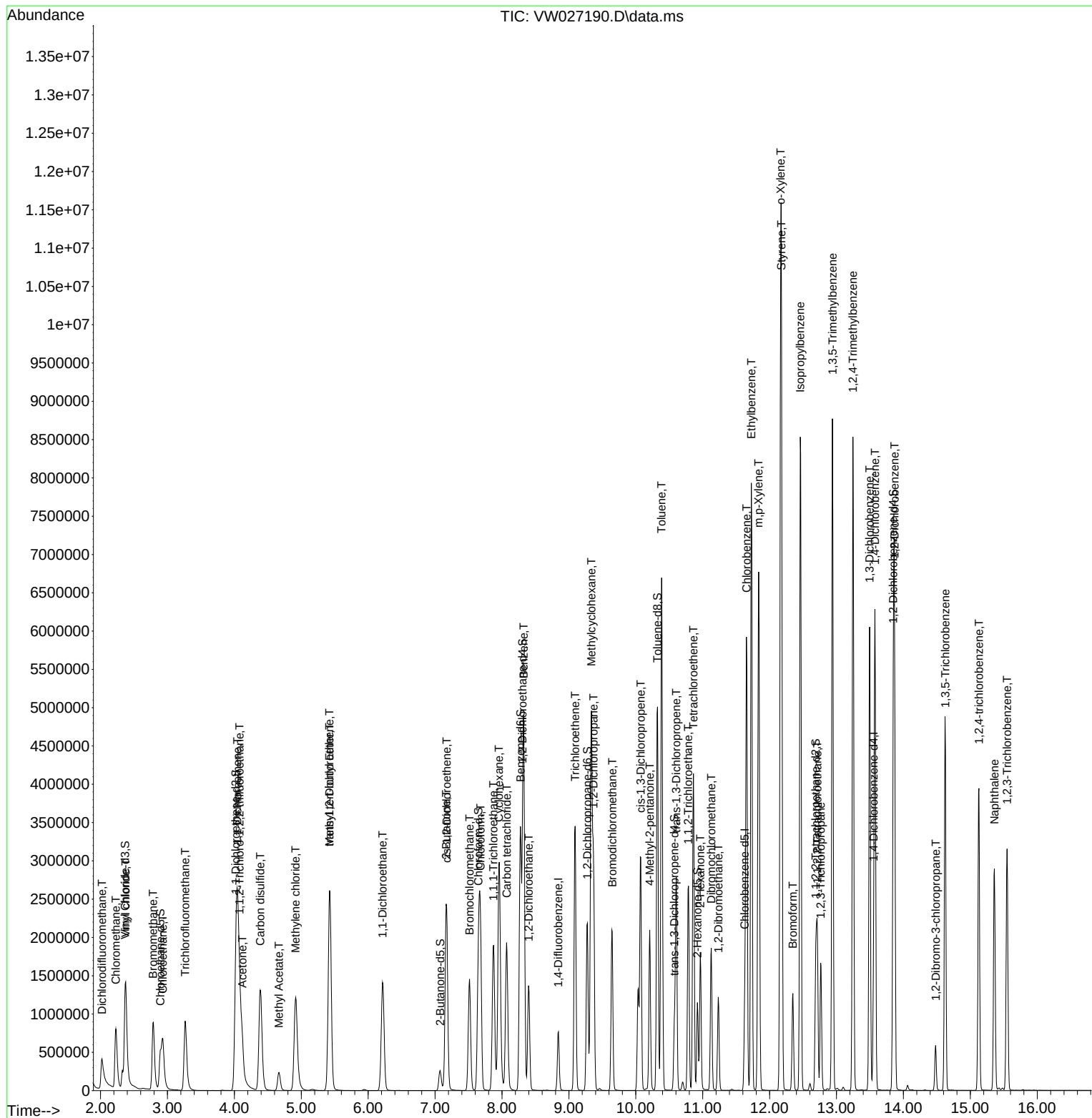
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 884836   | 99.594  | ug/L   | 99       |
| 46) Tetrachloroethene         | 10.861 | 164  | 1002539  | 102.501 | ug/L   | 91       |
| 48) 2-Hexanone                | 10.965 | 43   | 1089447  | 233.323 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 972203   | 100.899 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 831028   | 100.800 | ug/L   | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 3281127  | 101.050 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 5771346  | 104.992 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 2258446  | 107.149 | ug/L   | 89       |
| 54) o-Xylene                  | 12.166 | 106  | 2125593  | 107.954 | ug/L   | 94       |
| 55) Styrene                   | 12.178 | 104  | 3716611  | 109.654 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 1054989  | 98.998  | ug/L   | 97       |
| 59) Bromoform                 | 12.349 | 173  | 596538   | 104.813 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 5748319  | 108.310 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 742787   | 100.663 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 4754109  | 114.252 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 4609912  | 113.050 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 2484011  | 101.408 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 2422417  | 98.433  | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 2192508  | 102.118 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 156806   | 99.195  | ug/L # | 83       |
| 69) 1,3,5-Trichlorobenzene    | 14.629 | 180  | 1528408  | 96.899  | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 1303737  | 104.767 | ug/L   | 98       |
| 71) Naphthalene               | 15.360 | 128  | 2557142  | 116.465 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 1085174  | 98.238  | ug/L   | 98       |

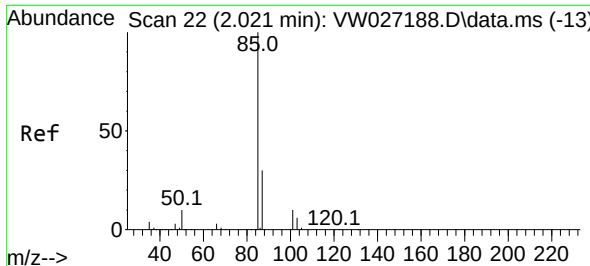
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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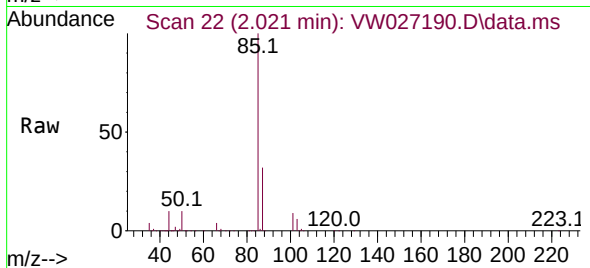
Quant Time: Sep 27 23:10:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092723SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 27 23:07:22 2023  
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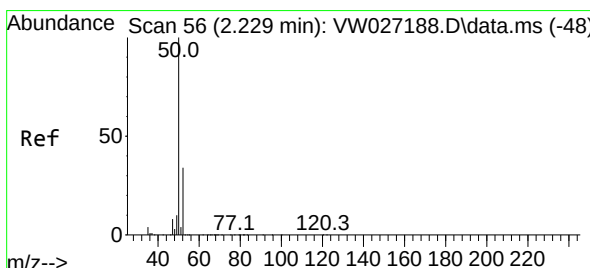
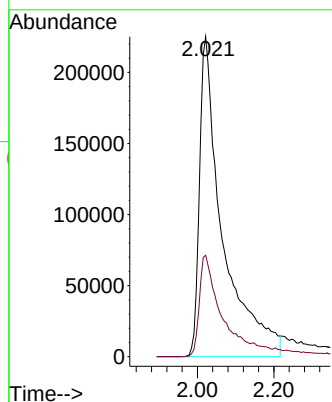
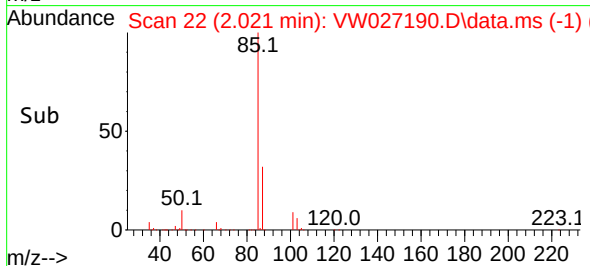


#2  
 Dichlorodifluoromethane  
 Concen: 100.781 ug/L  
 RT: 2.021 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VW027190.D  
 Acq: 27 Sep 2023 12:07

Instrument :  
 MSVOA\_W  
 ClientSampleId :

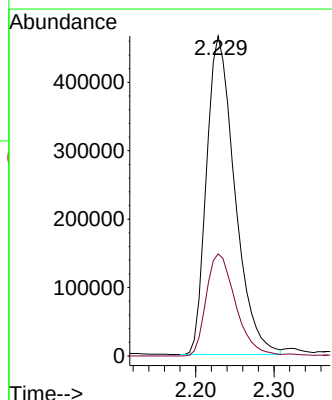
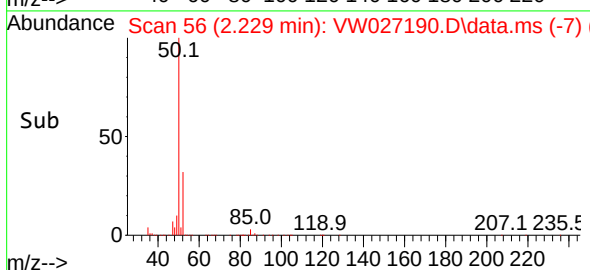
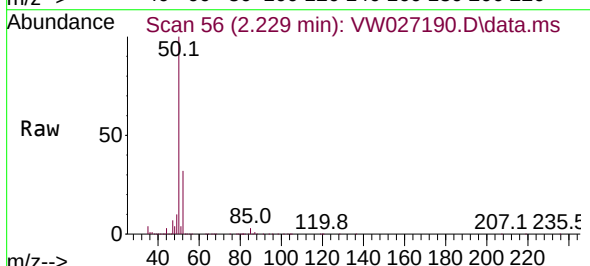


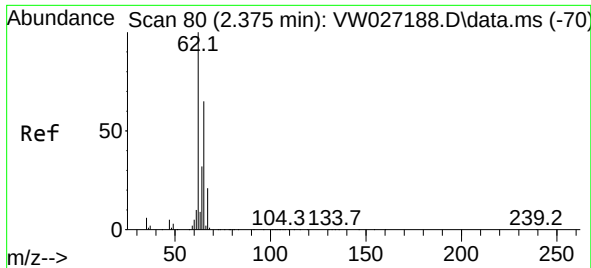
Tgt Ion: 85 Resp: 940945  
 Ion Ratio Lower Upper  
 85 100  
 87 29.0 22.1 33.1



#3  
 Chloromethane  
 Concen: 100.201 ug/L  
 RT: 2.229 min Scan# 56  
 Delta R.T. -0.000 min  
 Lab File: VW027190.D  
 Acq: 27 Sep 2023 12:07

Tgt Ion: 50 Resp: 1168373  
 Ion Ratio Lower Upper  
 50 100  
 52 31.9 23.5 43.7

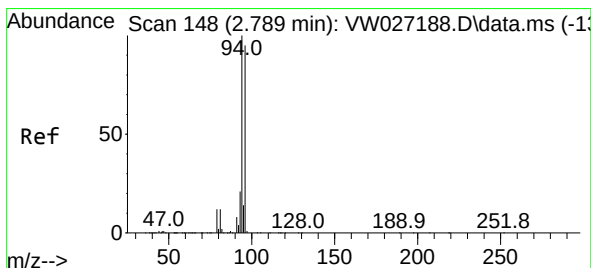
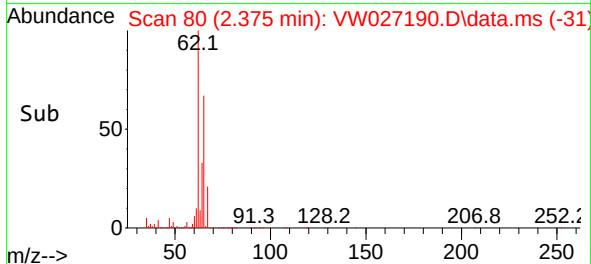
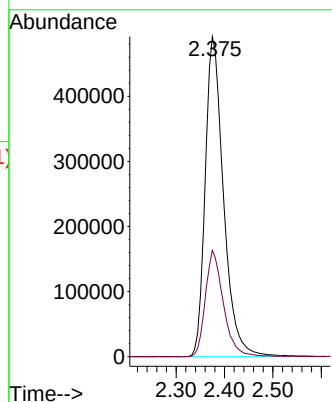
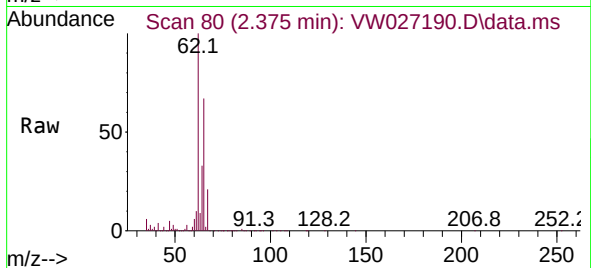




#5  
 Vinyl chloride  
 Concen: 101.583 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW027190.D  
 Acq: 27 Sep 2023 12:07

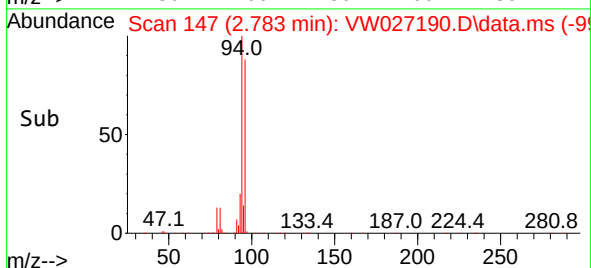
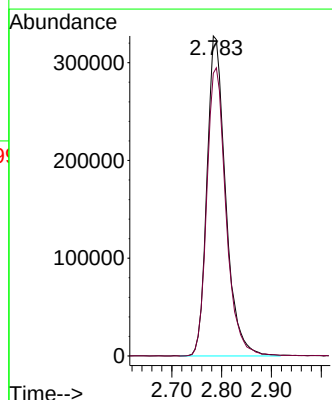
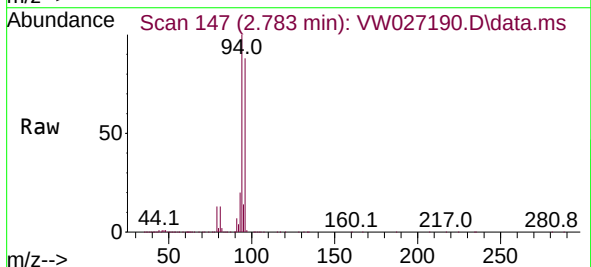
Instrument :  
 MSVOA\_W  
 ClientSampleId :

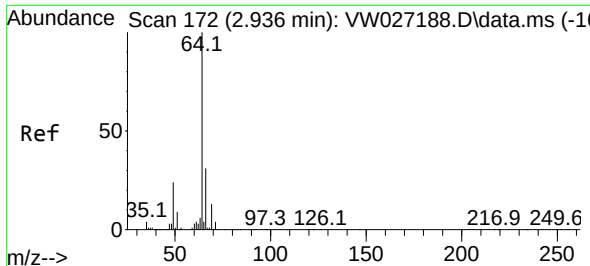
Tgt Ion: 62 Resp: 1293332  
 Ion Ratio Lower Upper  
 62 100  
 64 33.3 22.2 41.2



#6  
 Bromomethane  
 Concen: 101.484 ug/L  
 RT: 2.783 min Scan# 147  
 Delta R.T. -0.006 min  
 Lab File: VW027190.D  
 Acq: 27 Sep 2023 12:07

Tgt Ion: 94 Resp: 851239  
 Ion Ratio Lower Upper  
 94 100  
 96 88.4 66.8 124.0

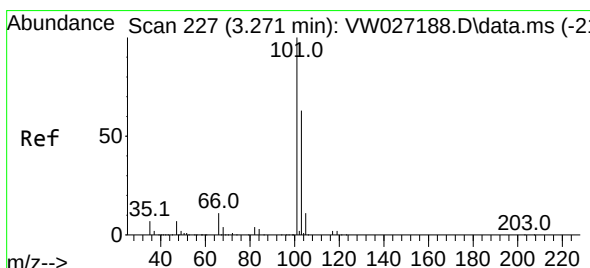
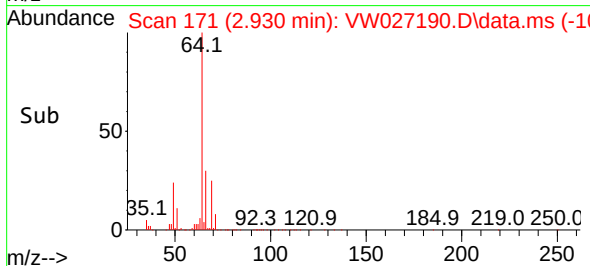
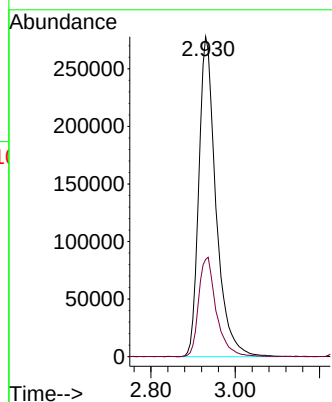
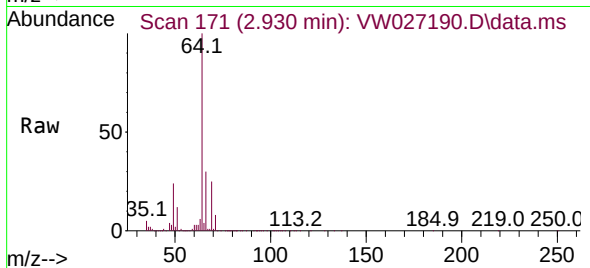




#8  
Chloroethane  
Concen: 101.840 ug/L  
RT: 2.930 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

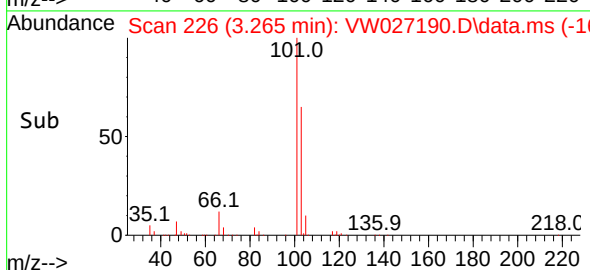
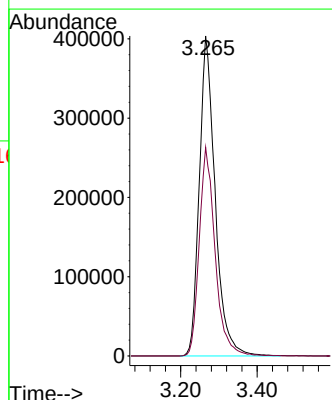
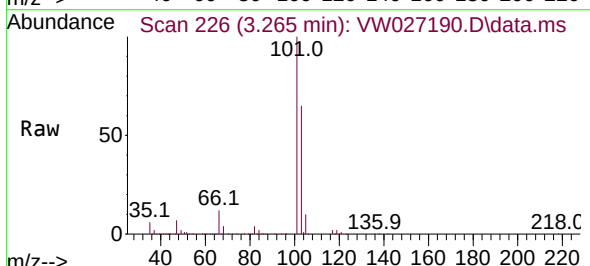
Instrument :  
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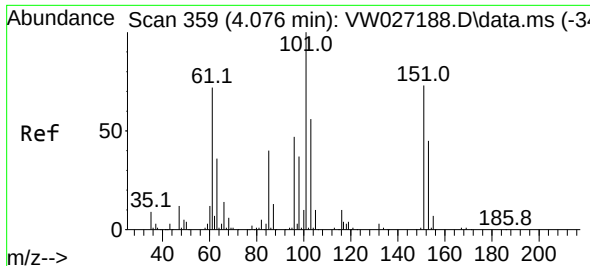
Tgt Ion: 64 Resp: 786912  
Ion Ratio Lower Upper  
64 100  
66 30.4 21.5 39.9



#9  
Trichlorofluoromethane  
Concen: 108.534 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

Tgt Ion:101 Resp: 1161361  
Ion Ratio Lower Upper  
101 100  
103 65.3 52.0 78.0

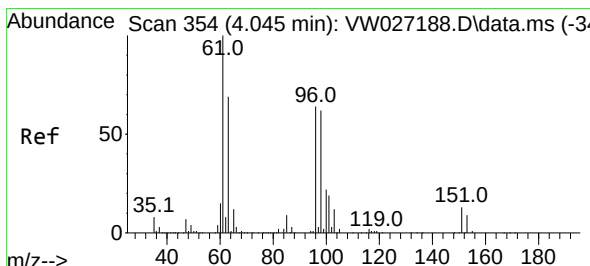
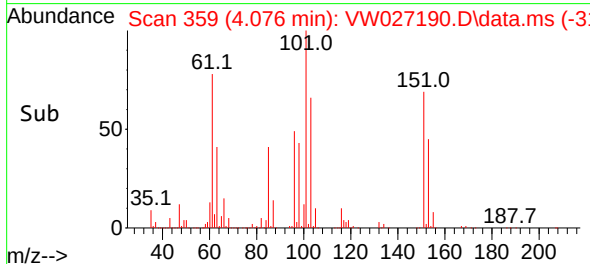
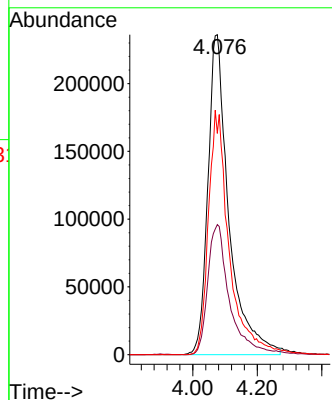
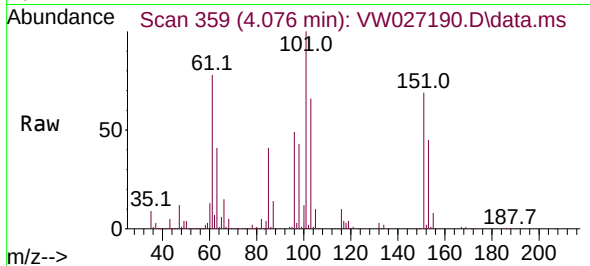




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 97.084 ug/L  
 RT: 4.076 min Scan# 359  
 Delta R.T. -0.000 min  
 Lab File: VW027190.D  
 Acq: 27 Sep 2023 12:07

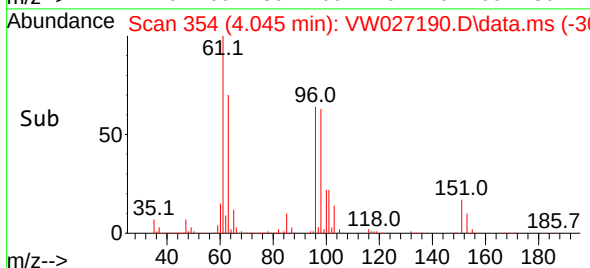
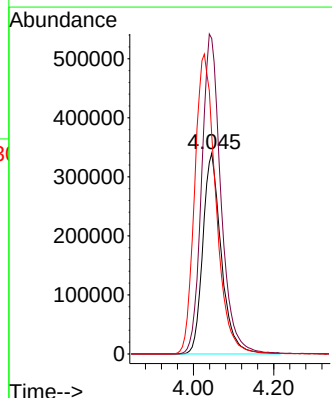
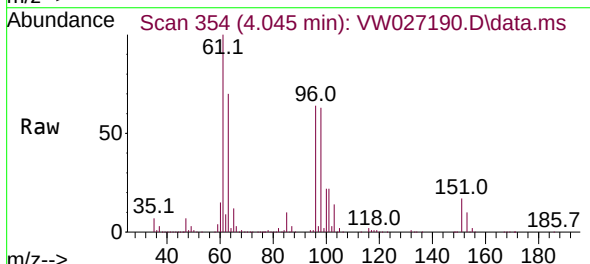
Instrument :  
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 ClientSampleId :

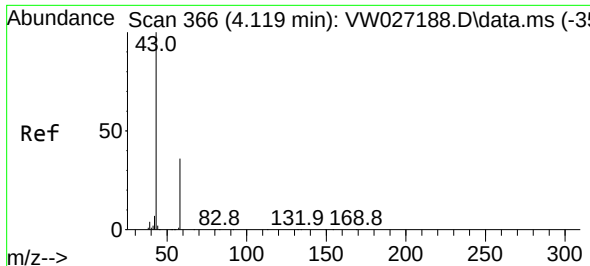
Tgt Ion:101 Resp: 1067516  
 Ion Ratio Lower Upper  
 101 100  
 85 41.7 33.1 49.7  
 151 75.4 58.6 87.8



#12  
 1,1-Dichloroethene  
 Concen: 105.263 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.000 min  
 Lab File: VW027190.D  
 Acq: 27 Sep 2023 12:07

Tgt Ion: 96 Resp: 1082682  
 Ion Ratio Lower Upper  
 96 100  
 61 157.2 109.8 204.0  
 63 109.3 76.9 142.7

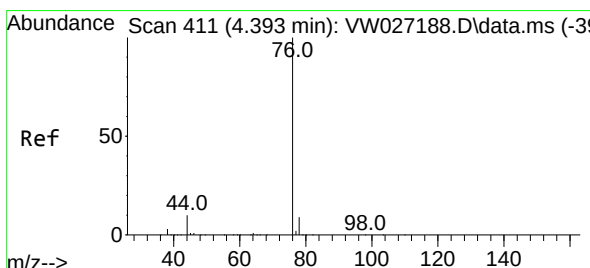
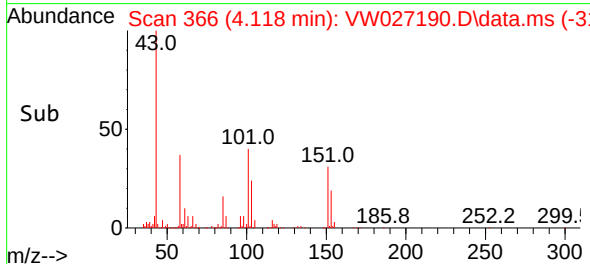
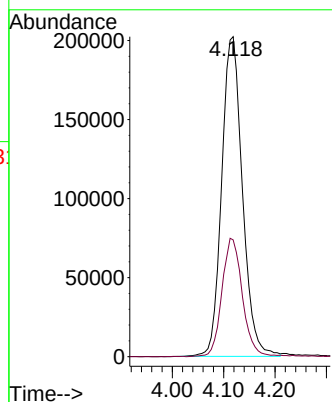
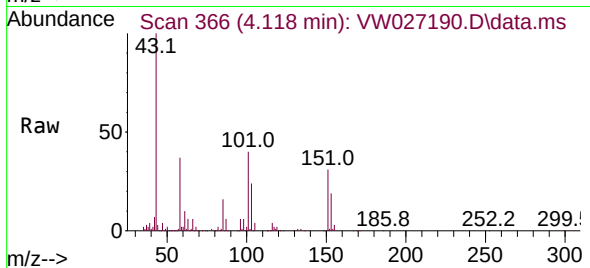




#13  
Acetone  
Concen: 212.534 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

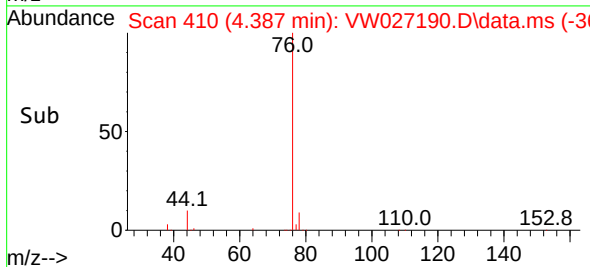
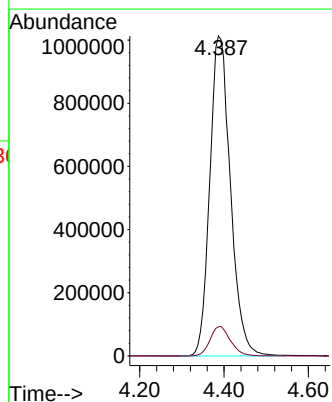
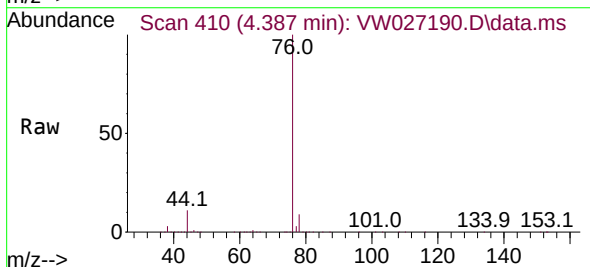
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 567132  
Ion Ratio Lower Upper  
43 100  
58 36.6 0.0 70.4

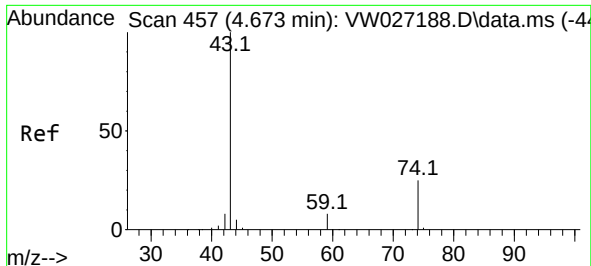


#14  
Carbon disulfide  
Concen: 99.764 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. -0.006 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

Tgt Ion: 76 Resp: 3444090  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.0 10.6



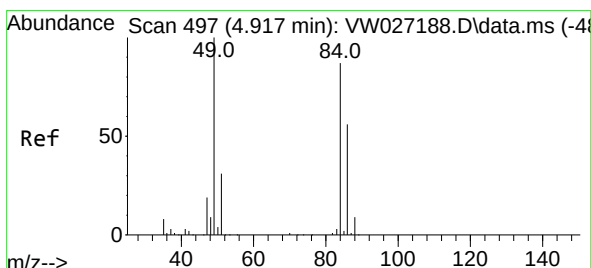
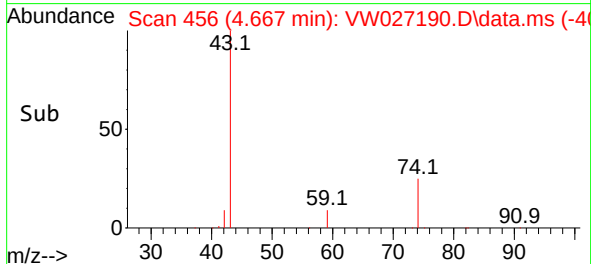
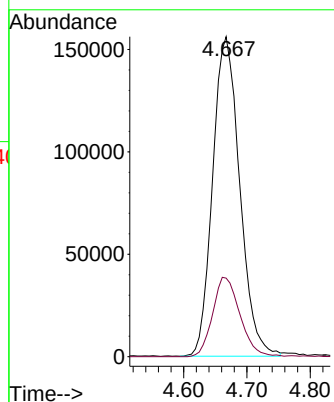
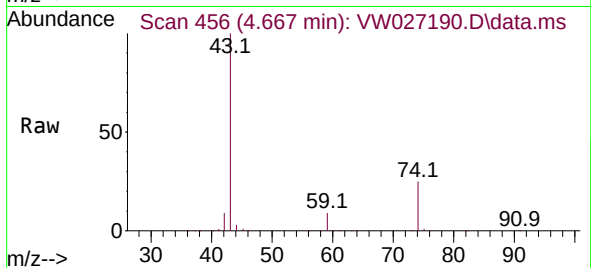




#15  
Methyl Acetate  
Concen: 103.679 ug/L  
RT: 4.667 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

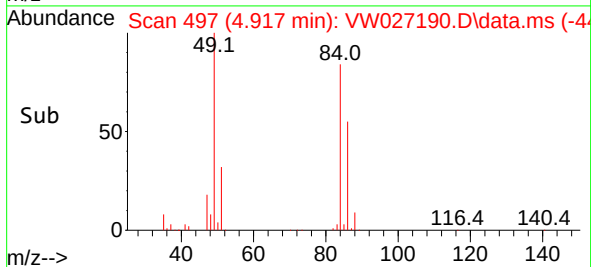
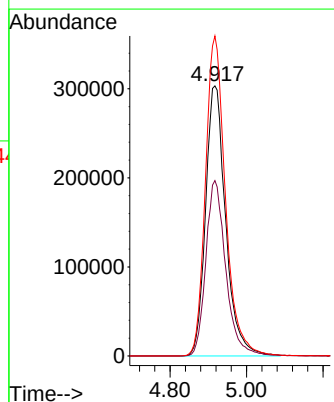
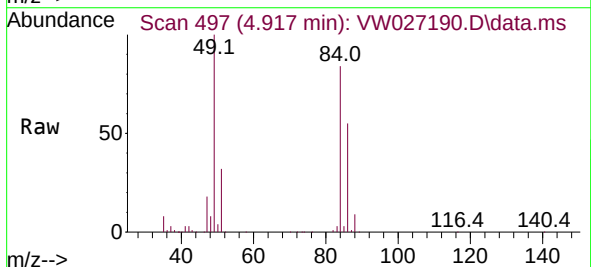
Instrument :  
MSVOA\_W  
ClientSampleId :

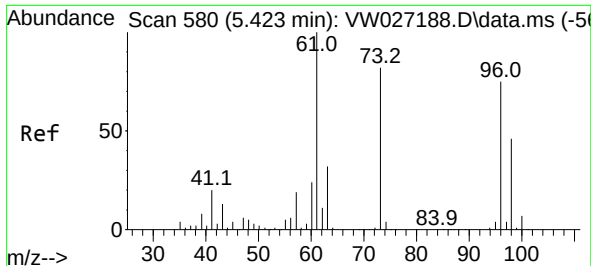
Tgt Ion: 43 Resp: 463704  
Ion Ratio Lower Upper  
43 100  
74 25.1 20.8 31.2



#16  
Methylene chloride  
Concen: 85.205 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

Tgt Ion: 84 Resp: 1108937  
Ion Ratio Lower Upper  
84 100  
86 64.9 45.1 83.9  
49 118.5 80.9 150.3





#17

trans-1,2-Dichloroethene

Concen: 104.658 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

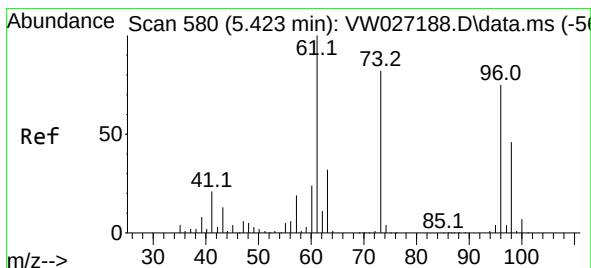
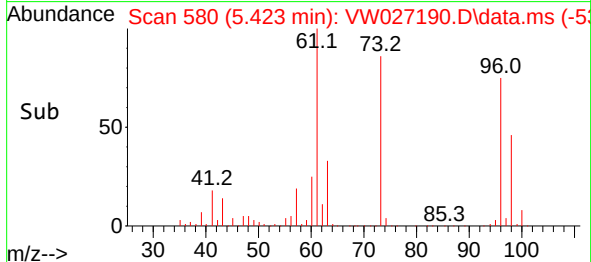
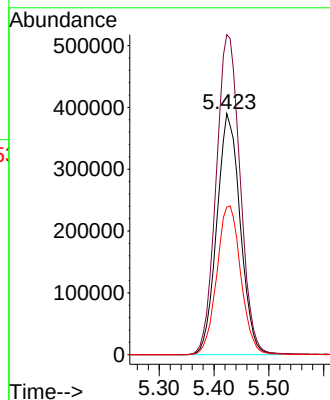
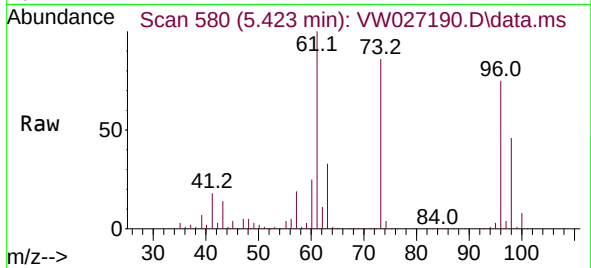
Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 96 Resp: 1158237

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.7 | 93.5  | 173.7 |
| 98  | 61.2  | 43.3  | 80.5  |



#18

Methyl tert-butyl Ether

Concen: 110.579 ug/L

RT: 5.423 min Scan# 580

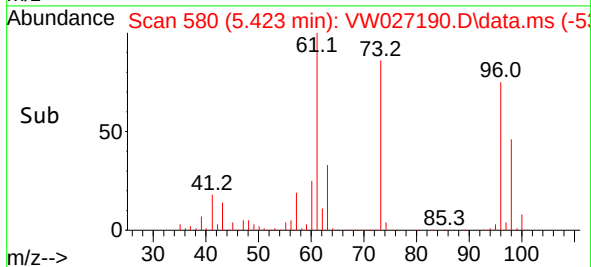
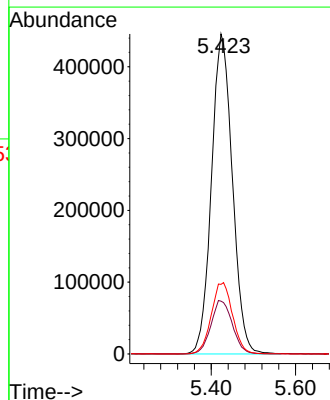
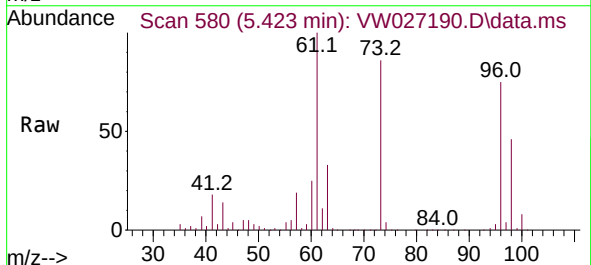
Delta R.T. -0.000 min

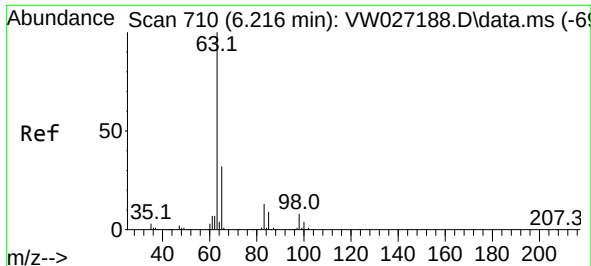
Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Tgt Ion: 73 Resp: 1531430

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 17.1  | 14.2  | 21.2  |
| 57  | 22.7  | 18.3  | 27.5  |





#19

1,1-Dichloroethane

Concen: 102.097 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

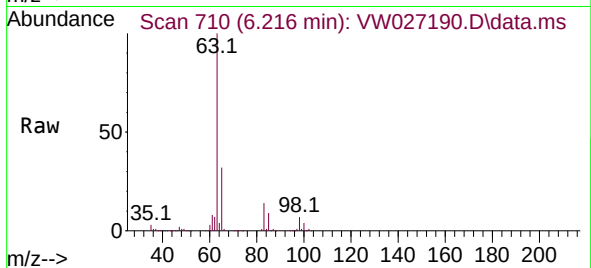
Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Instrument :

MSVOA\_W

ClientSampleId :



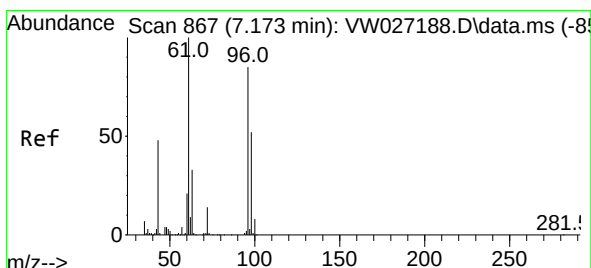
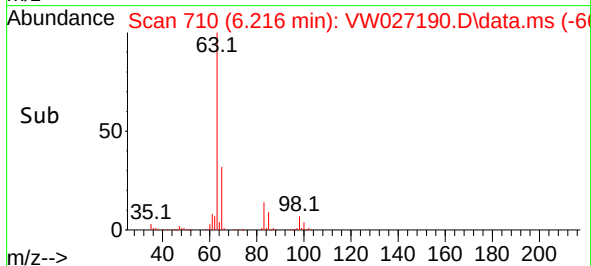
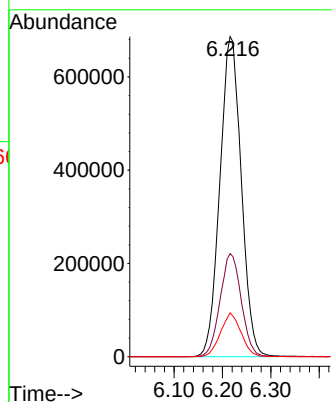
Tgt Ion: 63 Resp: 2107120

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.9

83 13.7 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 108.495 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

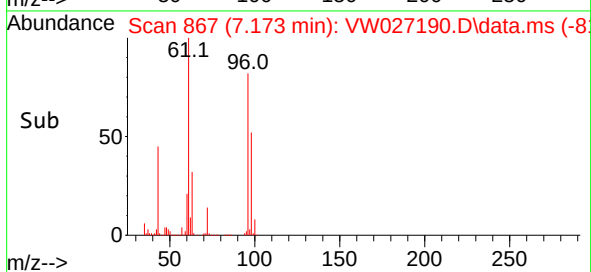
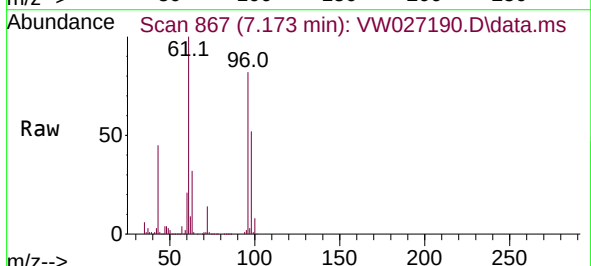
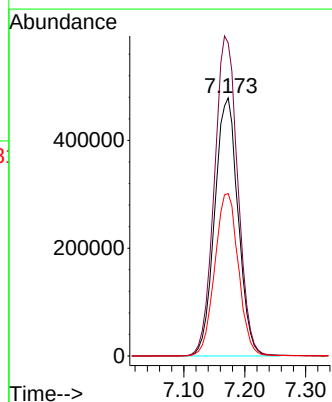
Tgt Ion: 96 Resp: 1279909

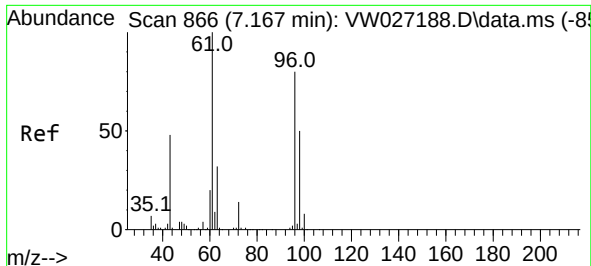
Ion Ratio Lower Upper

96 100

61 121.2 82.7 153.5

98 62.9 43.0 80.0

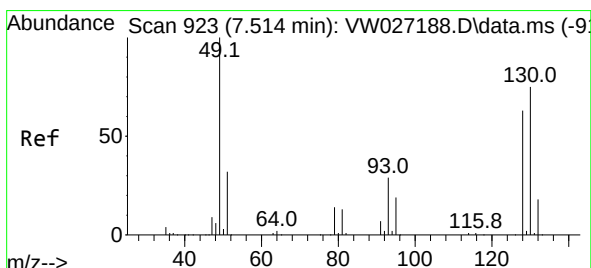
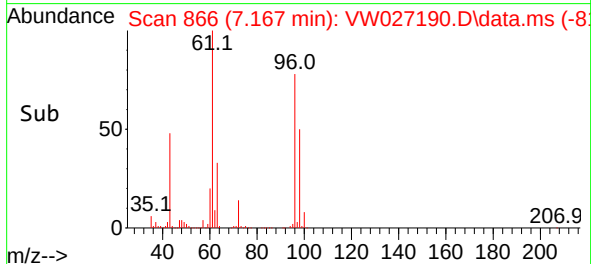
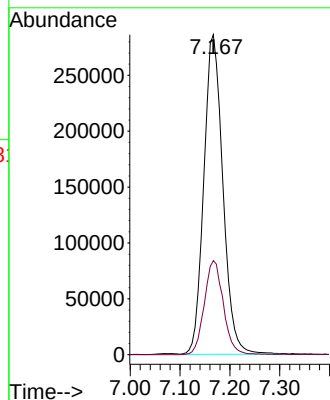
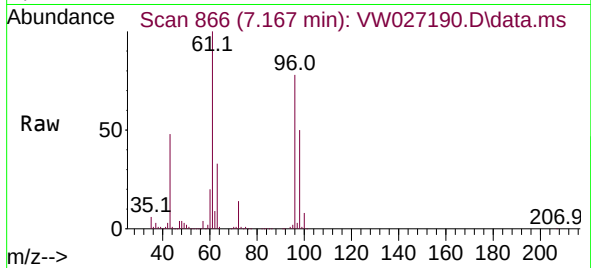




#22  
2-Butanone  
Concen: 234.409 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

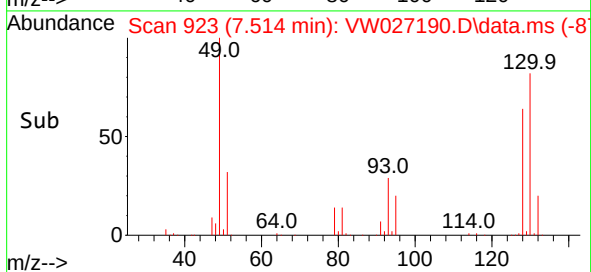
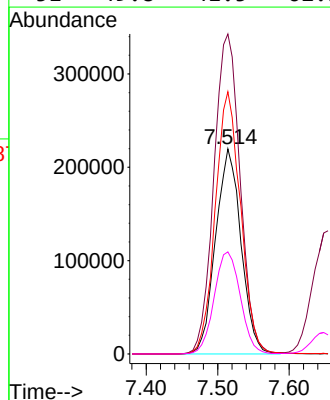
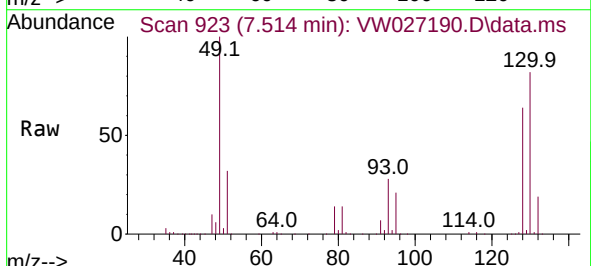
Instrument :  
MSVOA\_W  
ClientSampleId :

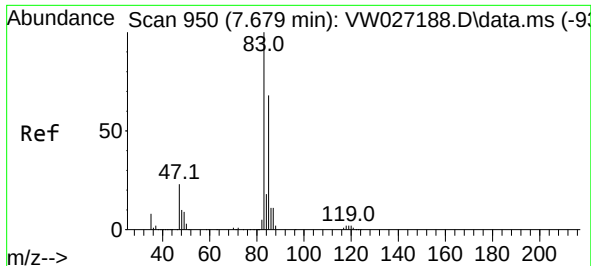
Tgt Ion: 43 Resp: 760593  
Ion Ratio Lower Upper  
43 100  
72 29.4 14.6 44.0



#23  
Bromochloromethane  
Concen: 100.869 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

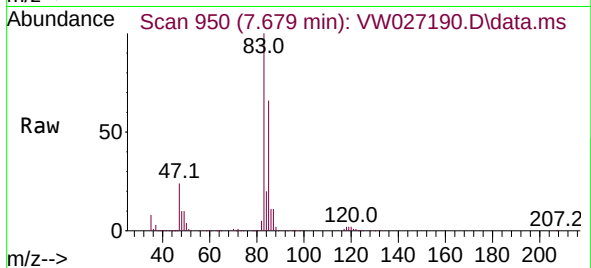
Tgt Ion:128 Resp: 542974  
Ion Ratio Lower Upper  
128 100  
49 156.0 112.1 208.1  
130 127.8 83.9 155.7  
51 49.8 41.5 62.3



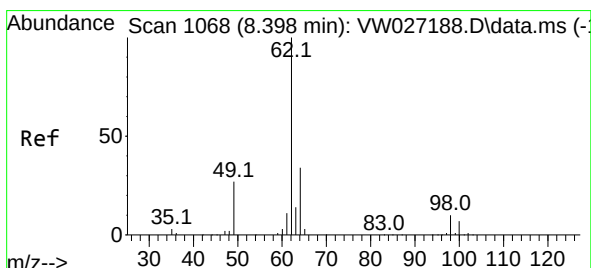
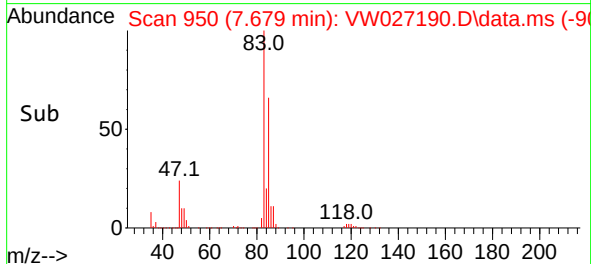
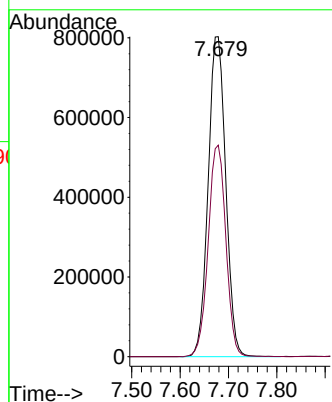


#25  
Chloroform  
Concen: 100.612 ug/L  
RT: 7.679 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

Instrument :  
MSVOA\_W  
ClientSampleId :

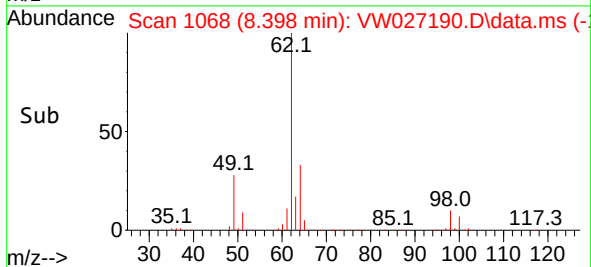
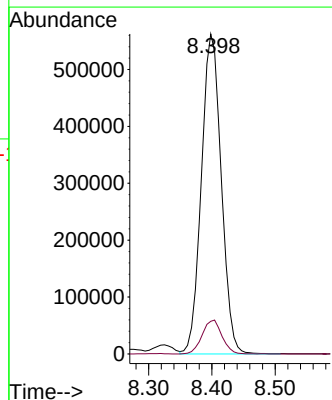
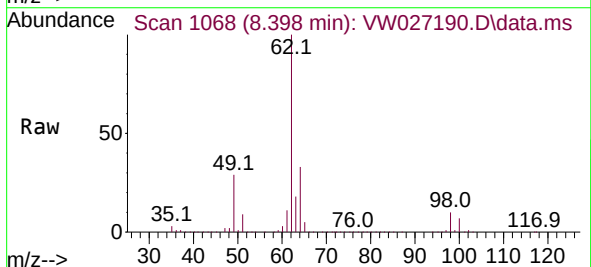


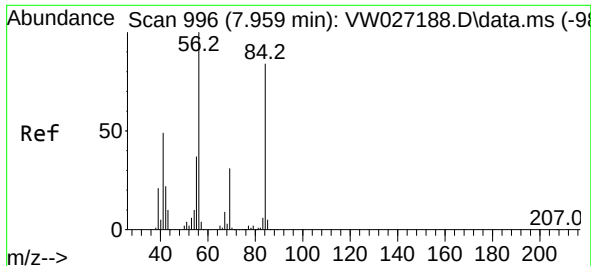
Tgt Ion: 83 Resp: 2025269  
Ion Ratio Lower Upper  
83 100  
85 66.1 47.7 88.5



#27  
1,2-Dichloroethane  
Concen: 99.846 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

Tgt Ion: 62 Resp: 1231204  
Ion Ratio Lower Upper  
62 100  
98 10.2 7.9 11.9





#29

Cyclohexane

Concen: 108.348 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

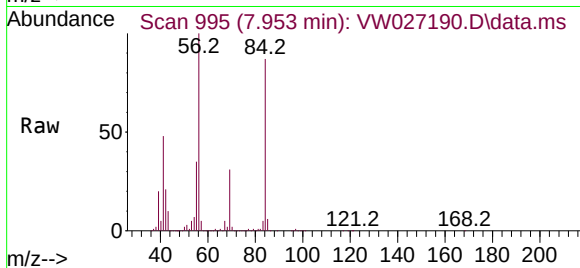
Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Instrument :

MSVOA\_W

ClientSampleId :



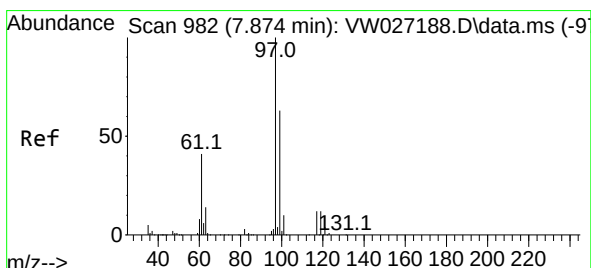
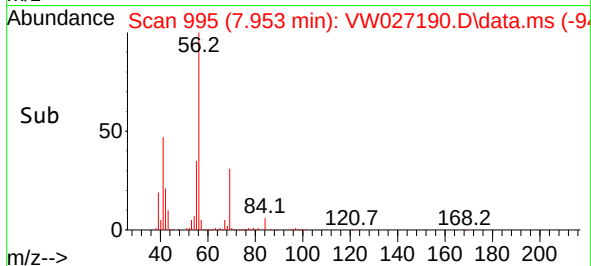
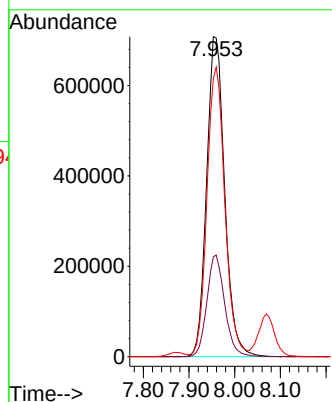
Tgt Ion: 56 Resp: 1943208

Ion Ratio Lower Upper

56 100

69 31.3 25.0 37.4

84 89.6 69.9 104.9



#30

1,1,1-Trichloroethane

Concen: 97.891 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

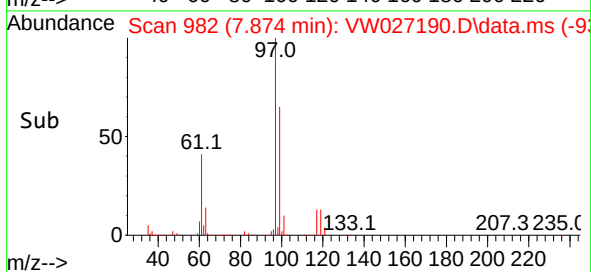
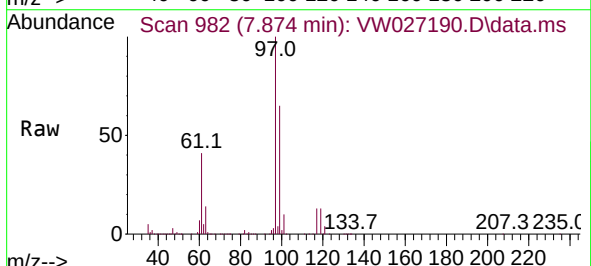
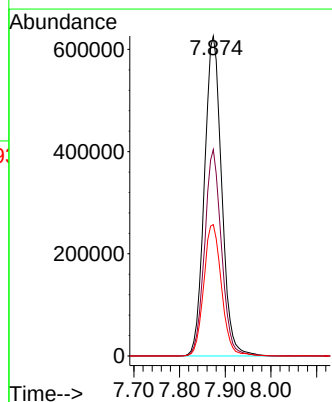
Tgt Ion: 97 Resp: 1640423

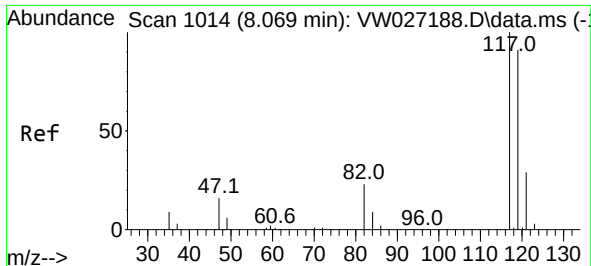
Ion Ratio Lower Upper

97 100

99 63.0 50.8 76.2

61 41.9 34.6 52.0

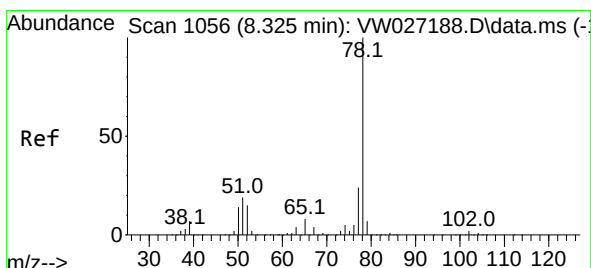
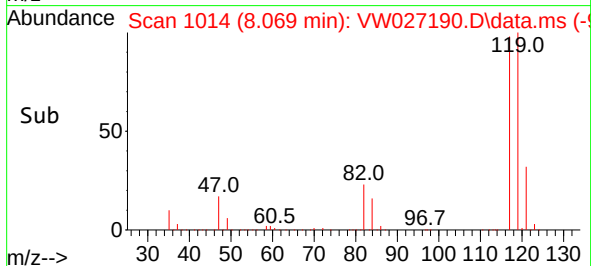
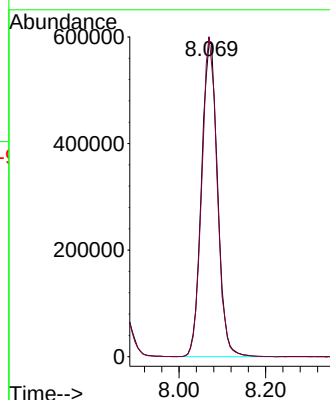
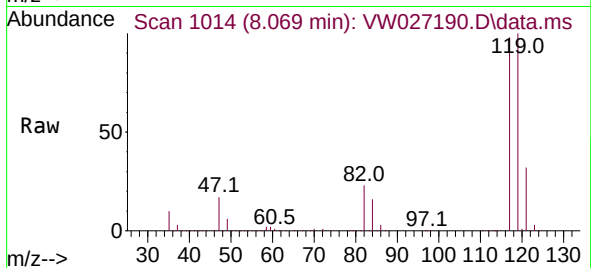




#31  
Carbon tetrachloride  
Concen: 96.276 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

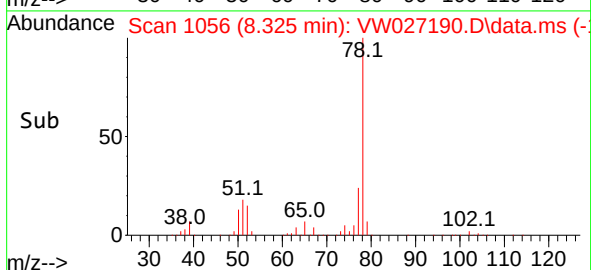
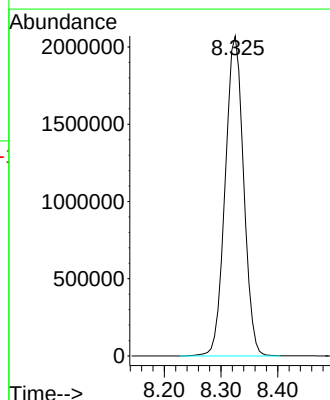
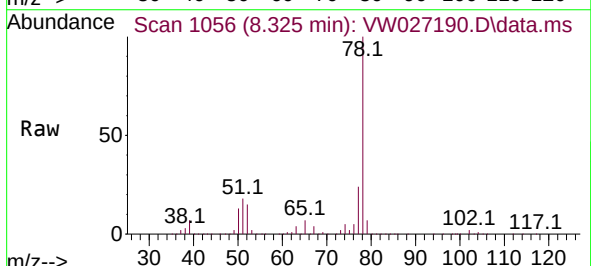
Instrument :  
MSVOA\_W  
ClientSampleId :

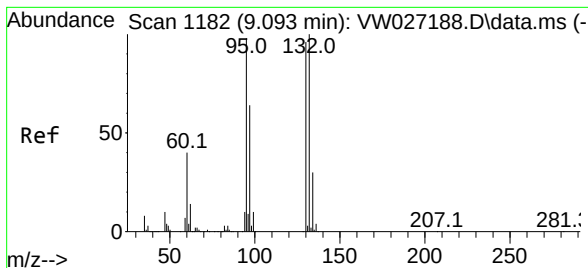
Tgt Ion:117 Resp: 1523853  
Ion Ratio Lower Upper  
117 100  
119 97.8 77.0 115.6



#33  
Benzene  
Concen: 97.991 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

Tgt Ion: 78 Resp: 4668933





#34

Trichloroethene

Concen: 99.139 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

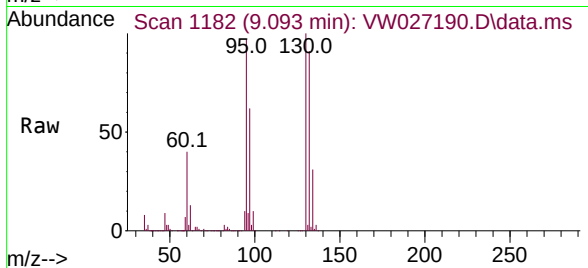
Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 1233535

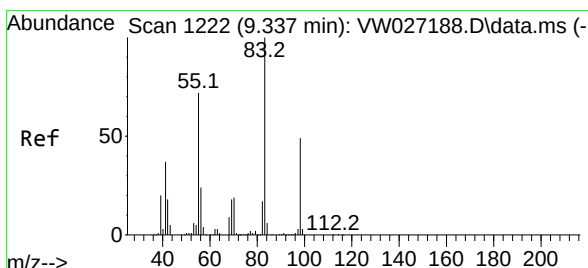
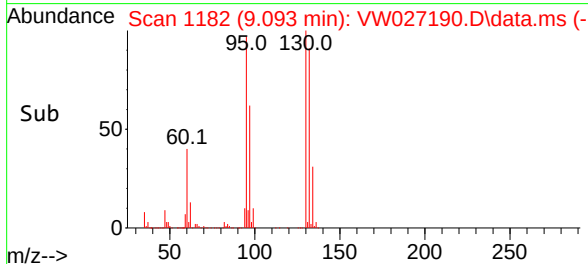
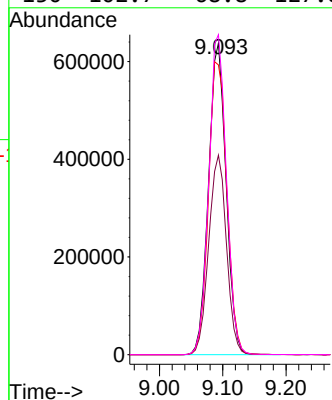
Ion Ratio Lower Upper

95 100

97 64.0 46.1 85.7

132 93.0 71.5 132.9

130 102.7 68.8 127.8



#35

Methylcyclohexane

Concen: 105.703 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

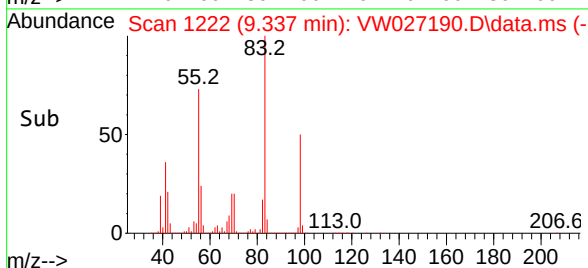
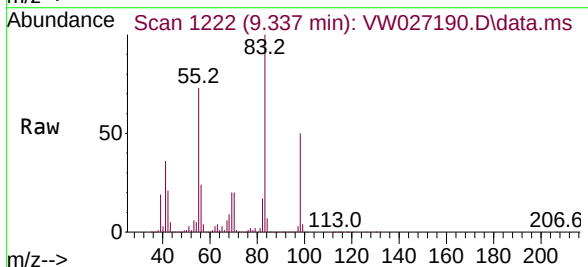
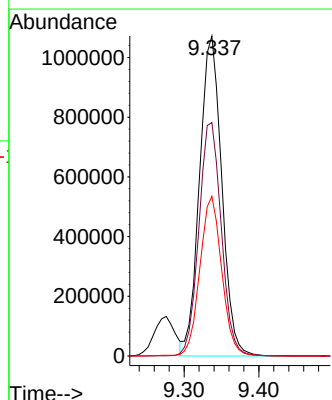
Tgt Ion: 83 Resp: 2212069

Ion Ratio Lower Upper

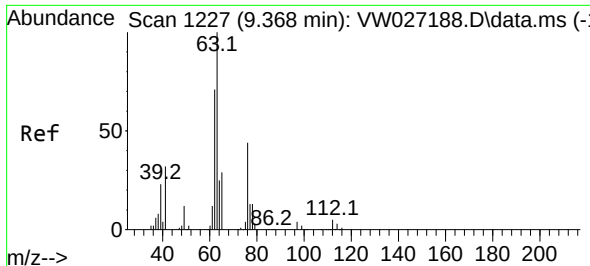
83 100

55 73.8 59.1 88.7

98 49.0 38.6 58.0







#37

1,2-Dichloropropane

Concen: 97.559 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Instrument :

MSVOA\_W

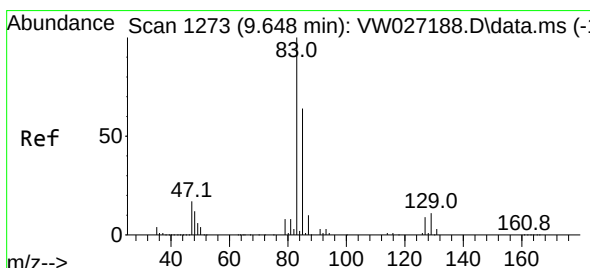
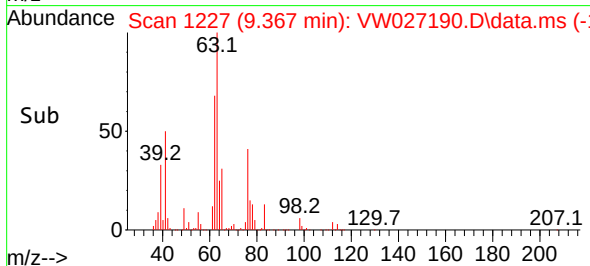
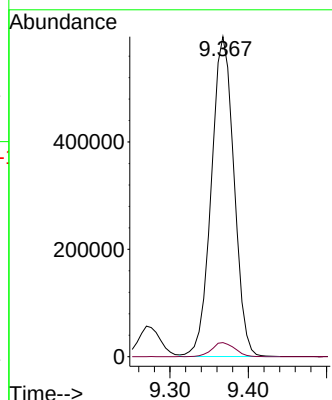
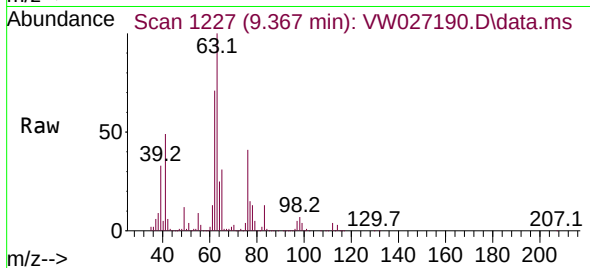
ClientSampleId :

Tgt Ion: 63 Resp: 1198382

Ion Ratio Lower Upper

63 100

112 4.5 3.7 5.5



#38

Bromodichloromethane

Concen: 98.407 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

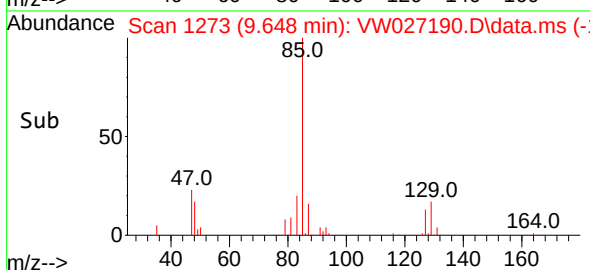
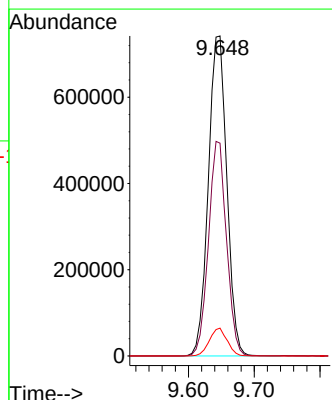
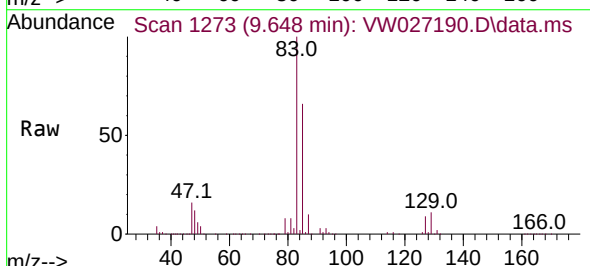
Tgt Ion: 83 Resp: 1450942

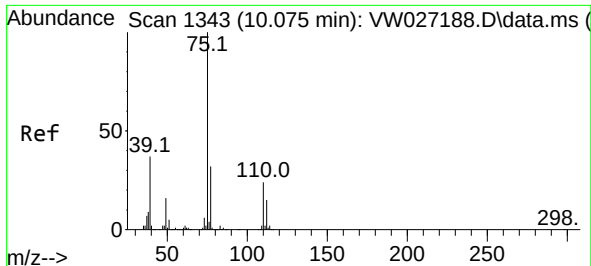
Ion Ratio Lower Upper

83 100

85 66.5 44.7 82.9

127 8.7 7.0 10.6

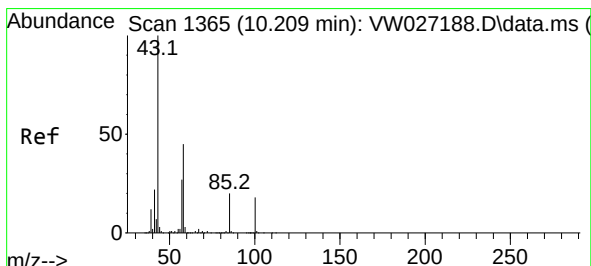
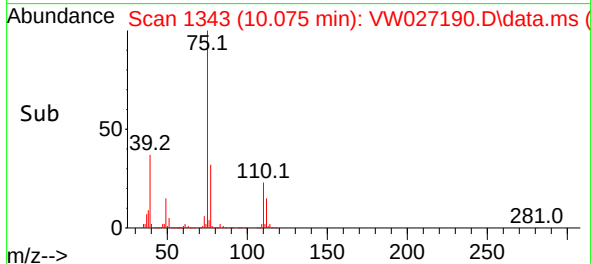
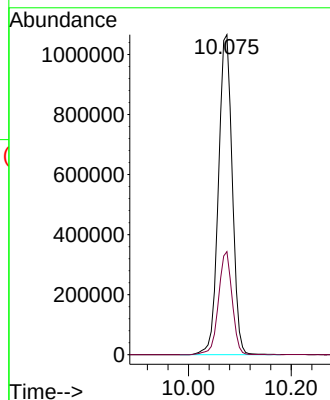
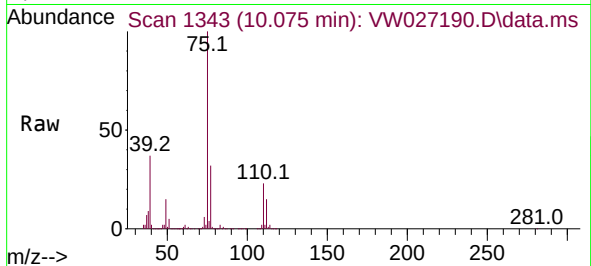




#39  
cis-1,3-Dichloropropene  
Concen: 109.674 ug/L  
RT: 10.075 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

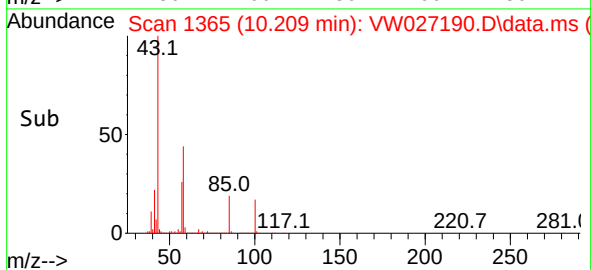
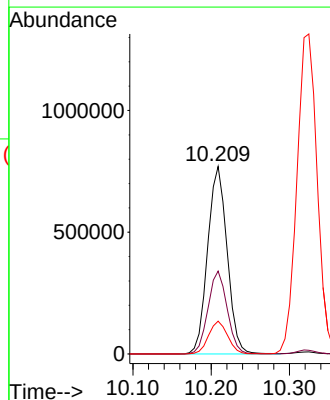
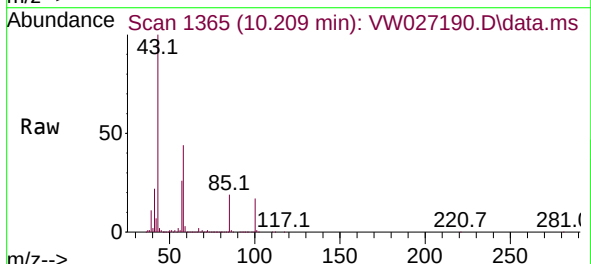
Instrument :  
MSVOA\_W  
ClientSampleId :

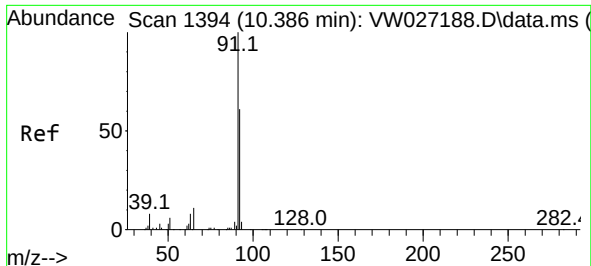
Tgt Ion: 75 Resp: 1983934  
Ion Ratio Lower Upper  
75 100  
77 32.2 22.3 41.3



#40  
4-Methyl-2-pentanone  
Concen: 223.248 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

Tgt Ion: 43 Resp: 1329668  
Ion Ratio Lower Upper  
43 100  
58 43.4 33.8 50.6  
100 17.2 13.7 20.5

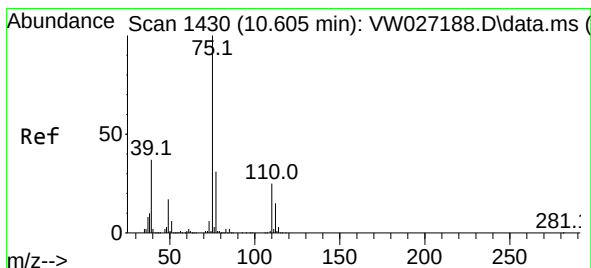
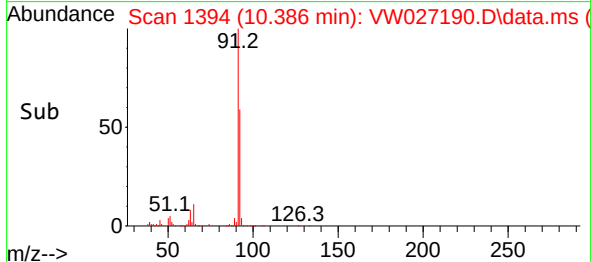
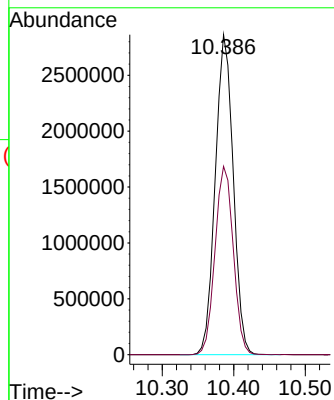
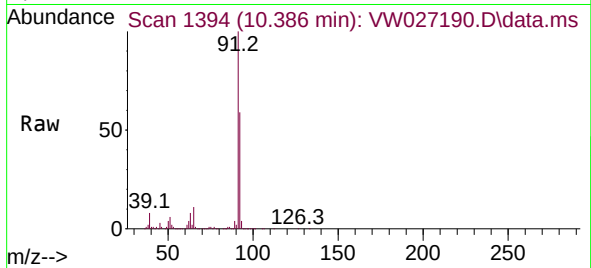




#42  
Toluene  
Concen: 101.979 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

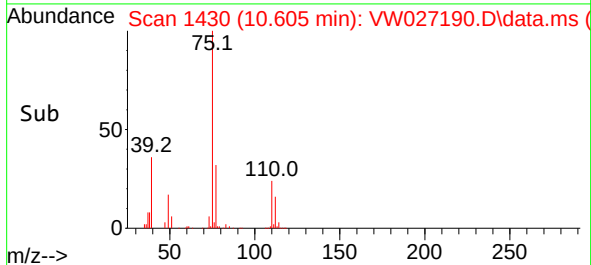
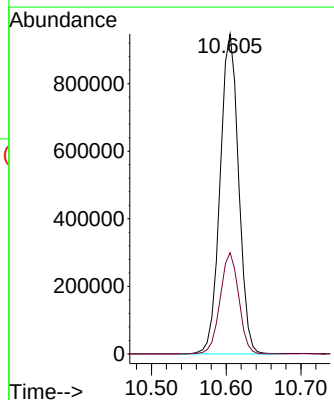
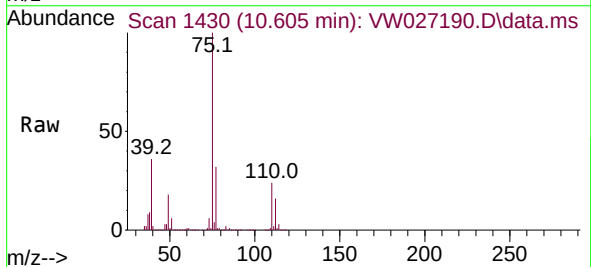
Instrument :  
MSVOA\_W  
ClientSampleId :

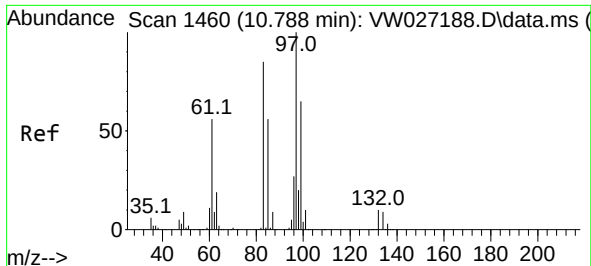
Tgt Ion: 91 Resp: 4989914  
Ion Ratio Lower Upper  
91 100  
92 58.8 42.6 79.2



#44  
trans-1,3-Dichloropropene  
Concen: 110.023 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

Tgt Ion: 75 Resp: 1631128  
Ion Ratio Lower Upper  
75 100  
77 31.7 21.6 40.2

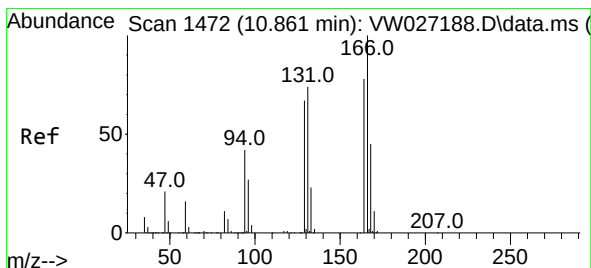
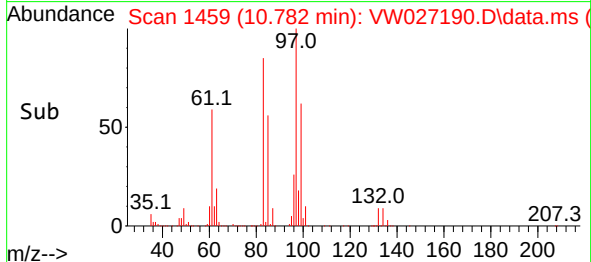
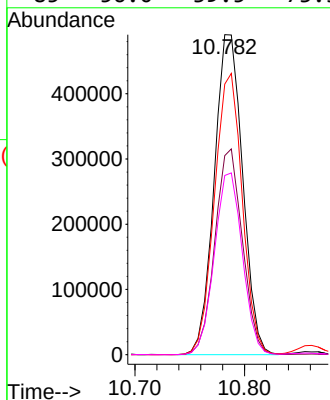
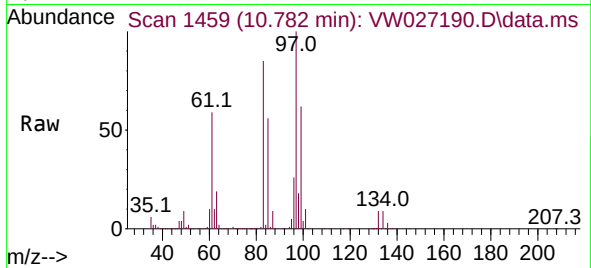




#45  
1,1,2-Trichloroethane  
Concen: 99.594 ug/L  
RT: 10.782 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

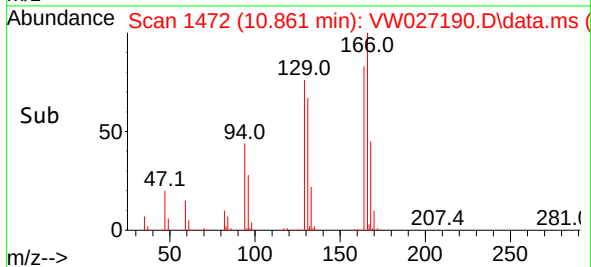
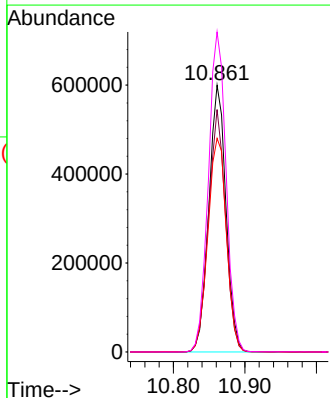
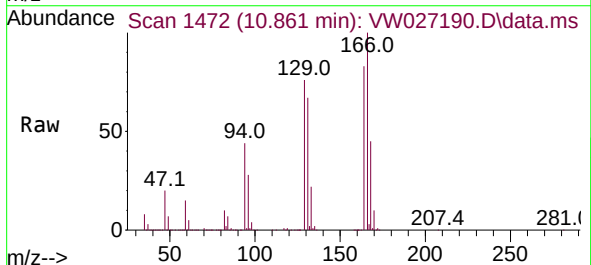
Instrument :  
MSVOA\_W  
ClientSampleId :

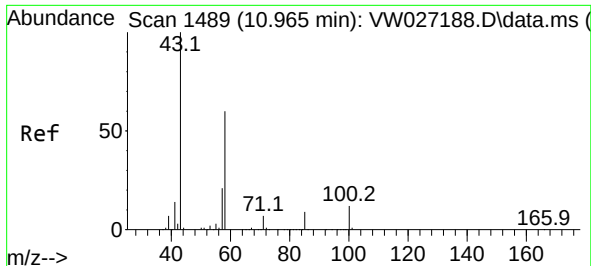
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 884836 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.2  | 45.3  | 84.1   |
| 83       | 84.6  | 59.5  | 110.5  |
| 85       | 56.0  | 39.5  | 73.3   |



#46  
Tetrachloroethene  
Concen: 102.501 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

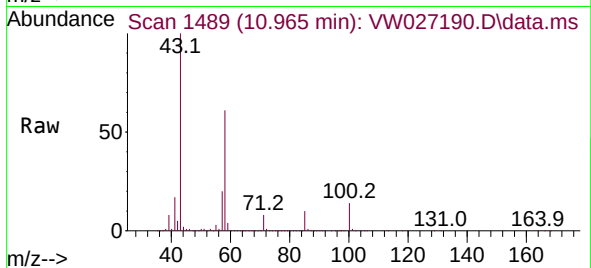
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 164   | Resp: | 1002539 |
| Ion      | Ratio | Lower | Upper   |
| 164      | 100   |       |         |
| 129      | 90.8  | 60.3  | 112.1   |
| 131      | 80.1  | 66.1  | 122.7   |
| 166      | 119.9 | 89.4  | 166.0   |





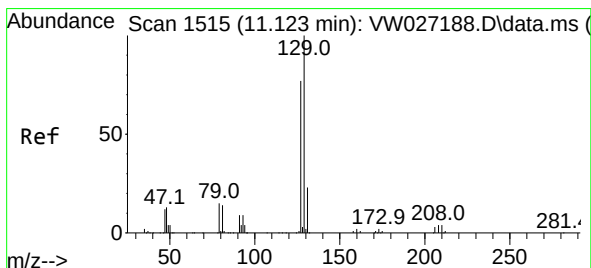
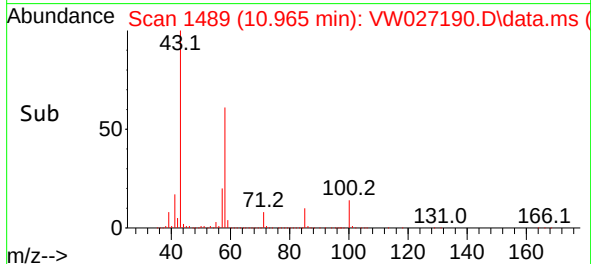
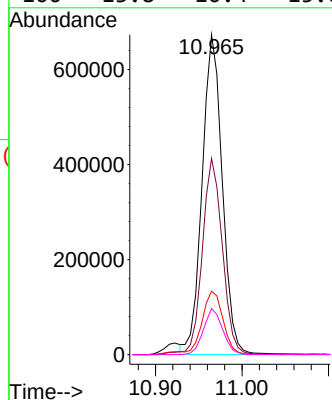
#48  
2-Hexanone  
Concen: 233.323 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 43 Resp: 1089447

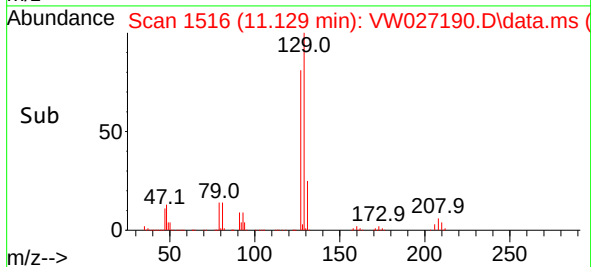
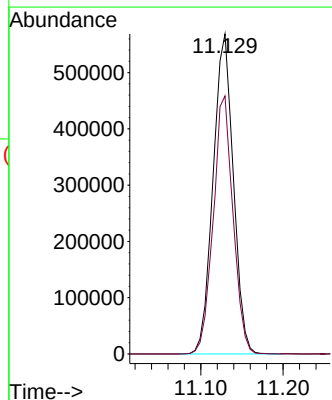
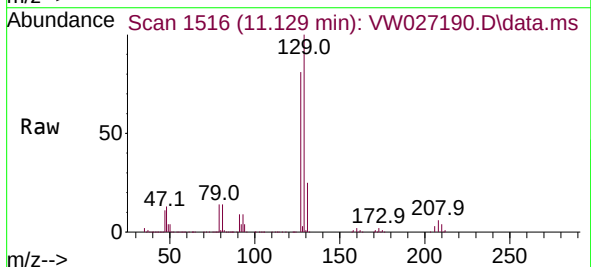
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 61.3  | 47.2  | 70.8  |
| 57  | 20.3  | 15.9  | 23.9  |
| 100 | 13.8  | 10.4  | 15.6  |

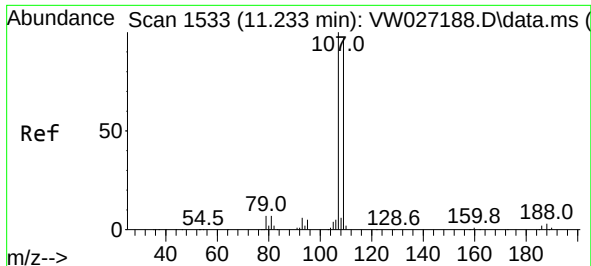


#49  
Dibromochloromethane  
Concen: 100.899 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

Tgt Ion:129 Resp: 972203

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 80.6  | 54.2  | 100.6 |





#50

1,2-Dibromoethane

Concen: 100.800 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Instrument :

MSVOA\_W

ClientSampleId :

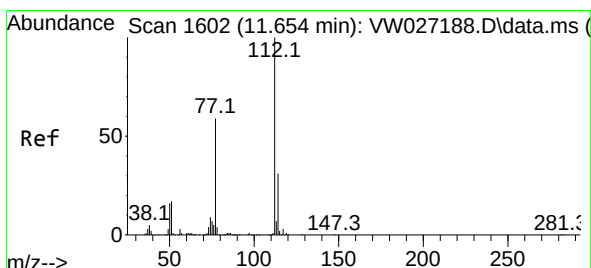
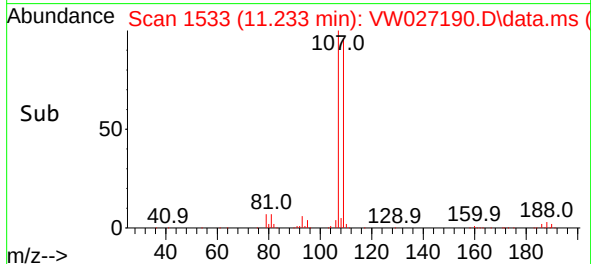
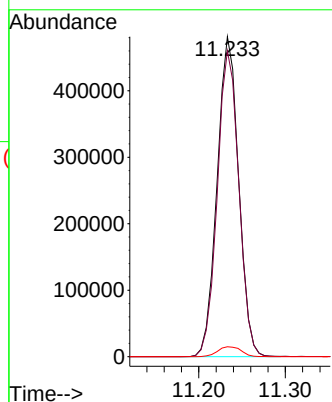
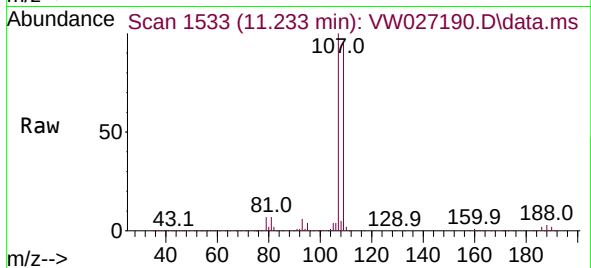
Tgt Ion:107 Resp: 831028

Ion Ratio Lower Upper

107 100

109 95.6 68.2 126.6

188 3.1 2.6 4.0



#51

Chlorobenzene

Concen: 101.050 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

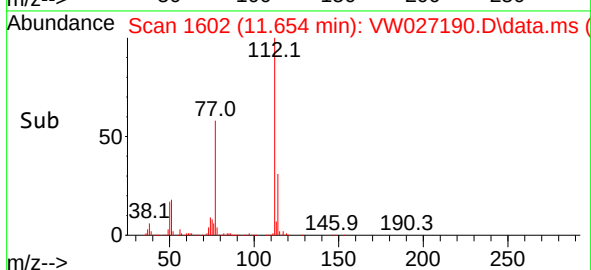
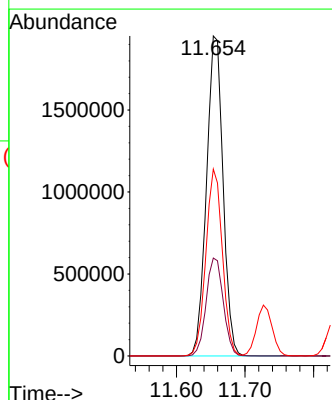
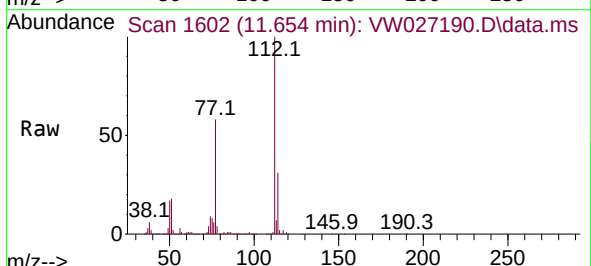
Tgt Ion:112 Resp: 3281127

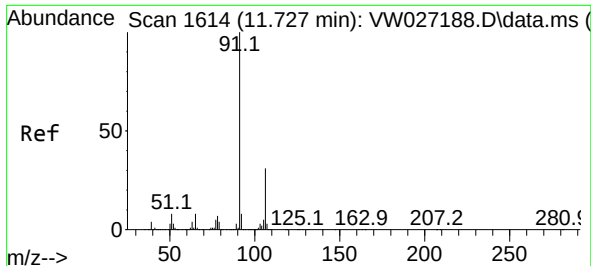
Ion Ratio Lower Upper

112 100

114 30.6 21.9 40.7

77 58.4 47.4 71.0

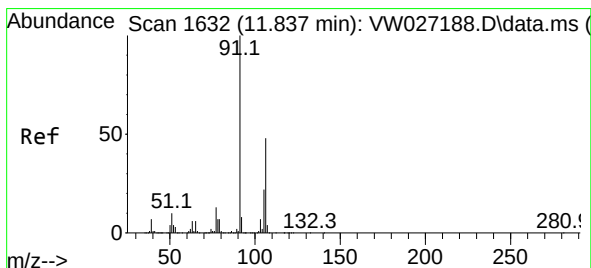
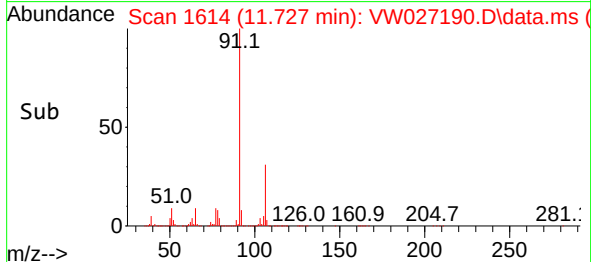
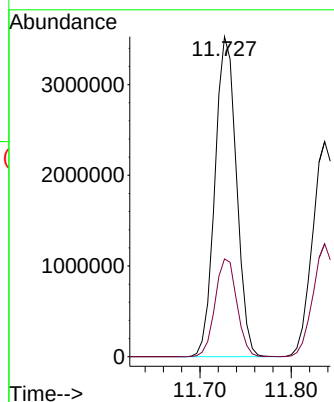
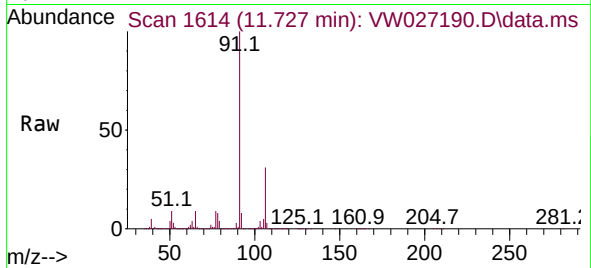




#52  
Ethylbenzene  
Concen: 104.992 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

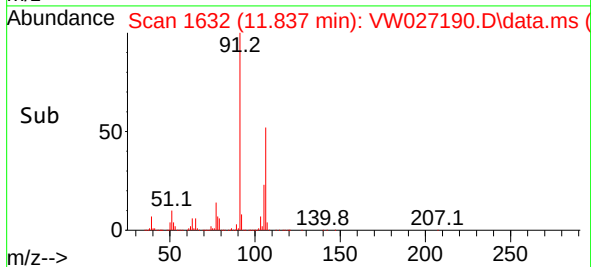
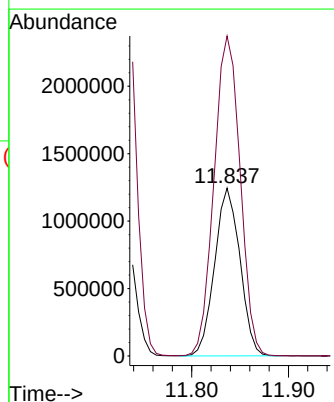
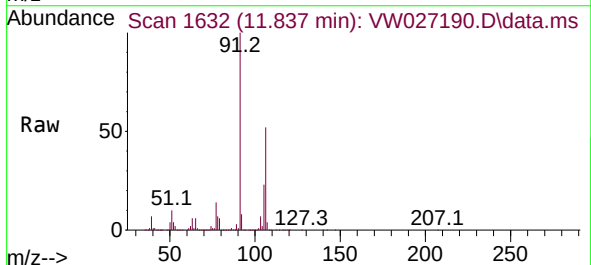
Instrument :  
MSVOA\_W  
ClientSampleId :

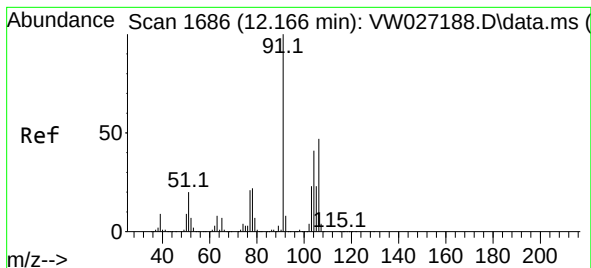
Tgt Ion: 91 Resp: 5771346  
Ion Ratio Lower Upper  
91 100  
106 30.6 21.8 40.6



#53  
m,p-Xylene  
Concen: 107.149 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

Tgt Ion:106 Resp: 2258446  
Ion Ratio Lower Upper  
106 100  
91 190.6 145.9 270.9





#54

o-Xylene

Concen: 107.954 ug/L

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Instrument :

MSVOA\_W

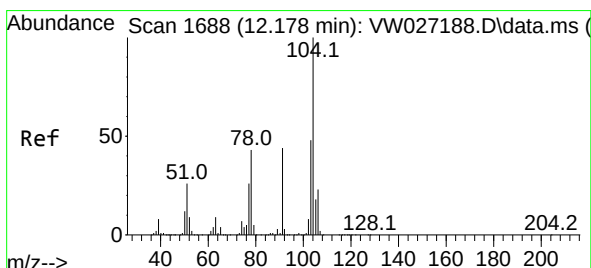
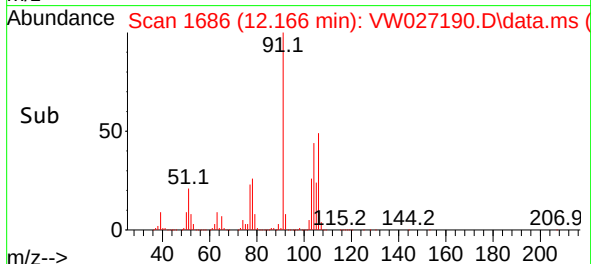
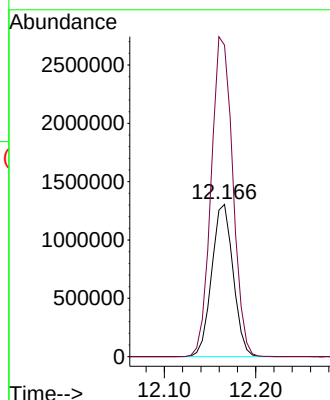
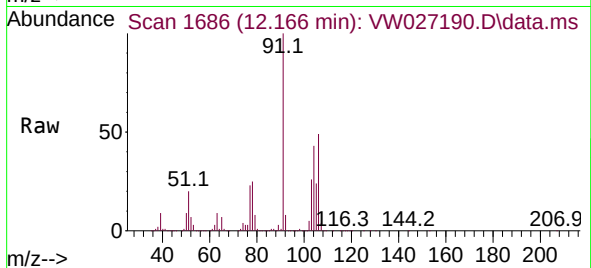
ClientSampleId :

Tgt Ion:106 Resp: 2125593

Ion Ratio Lower Upper

106 100

91 204.5 149.5 277.7



#55

Styrene

Concen: 109.654 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW027190.D

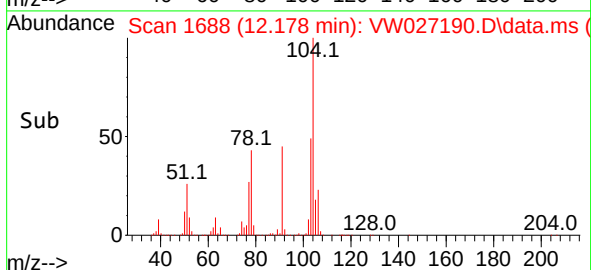
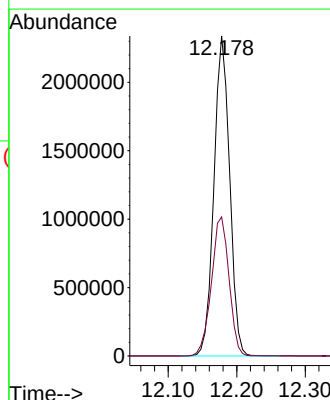
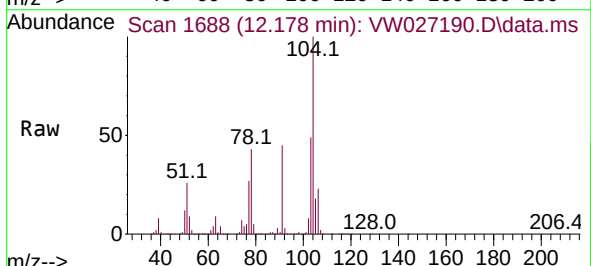
Acq: 27 Sep 2023 12:07

Tgt Ion:104 Resp: 3716611

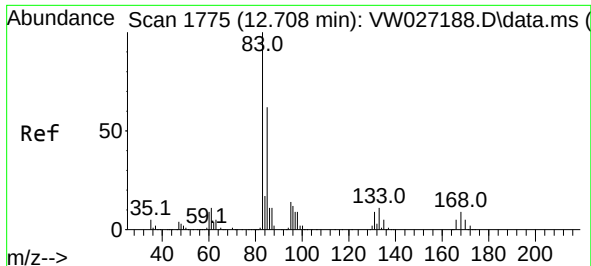
Ion Ratio Lower Upper

104 100

78 43.5 30.1 55.9







#57

1,1,2,2-Tetrachloroethane

Concen: 98.998 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Instrument :

MSVOA\_W

ClientSampleId :

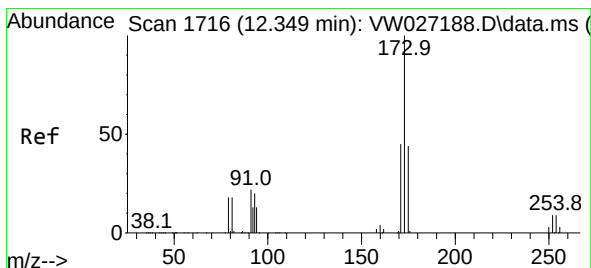
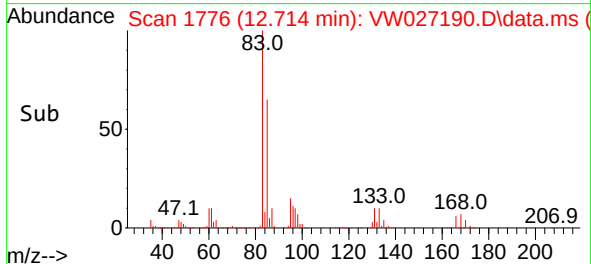
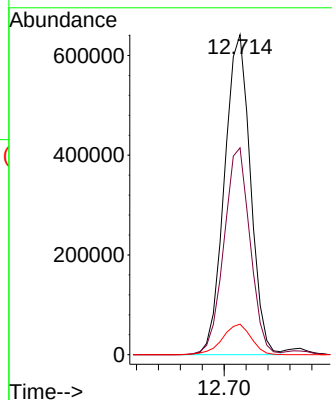
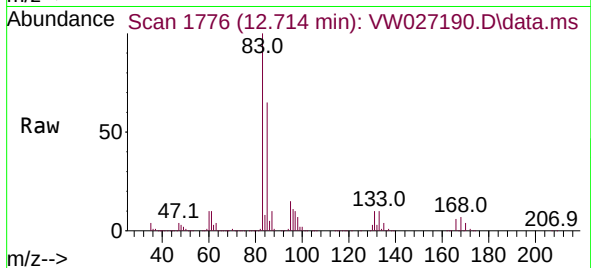
Tgt Ion: 83 Resp: 1054989

Ion Ratio Lower Upper

83 100

85 64.7 43.5 80.7

131 9.6 7.6 11.4



#59

Bromoform

Concen: 104.813 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

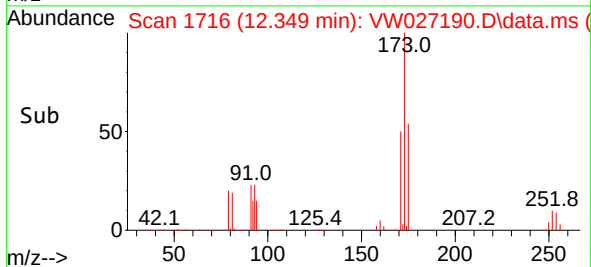
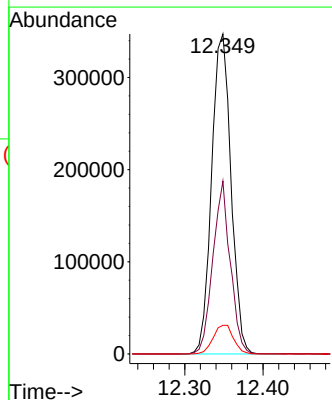
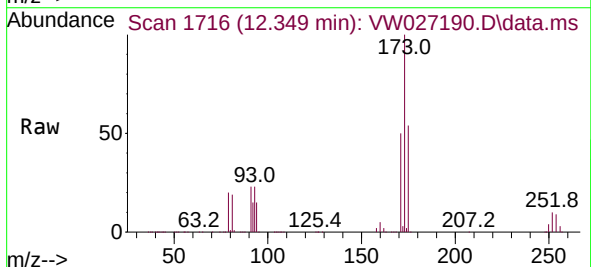
Tgt Ion:173 Resp: 596538

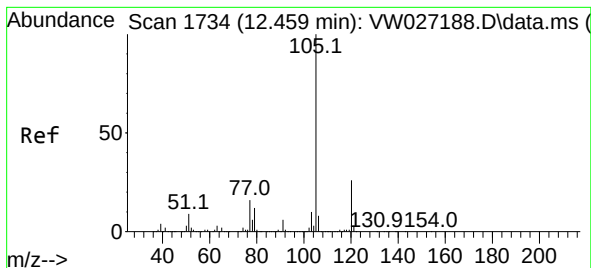
Ion Ratio Lower Upper

173 100

175 48.5 37.1 55.7

254 9.5 7.2 10.8





#60

Isopropylbenzene

Concen: 108.310 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Instrument :

MSVOA\_W

ClientSampleId :

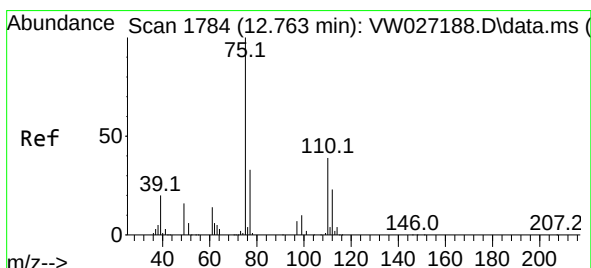
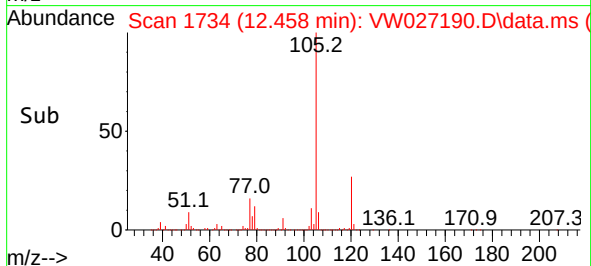
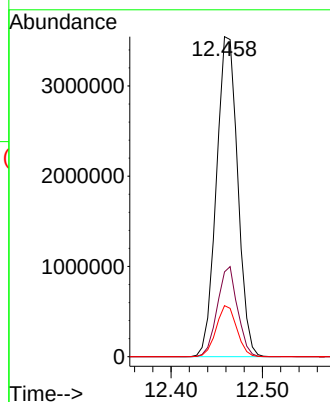
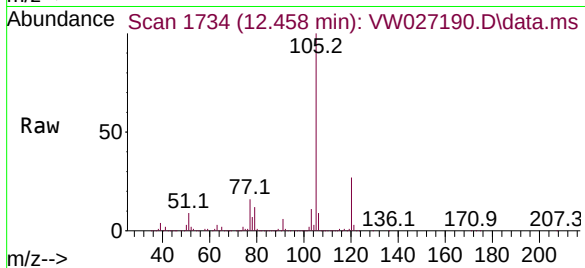
Tgt Ion:105 Resp: 5748319

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

77 15.4 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 100.663 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

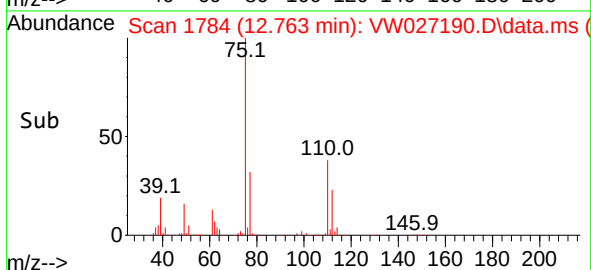
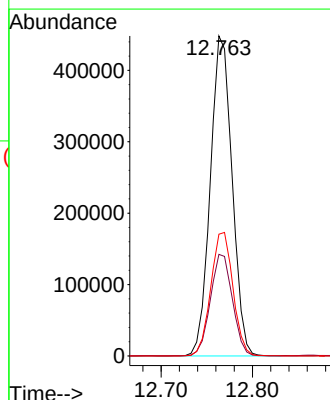
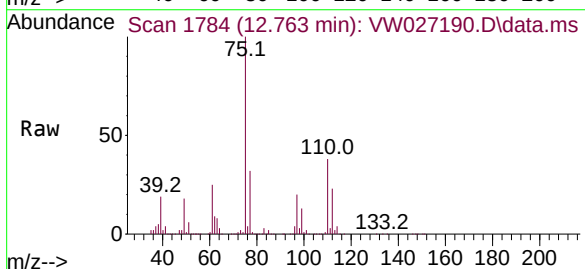
Tgt Ion: 75 Resp: 742787

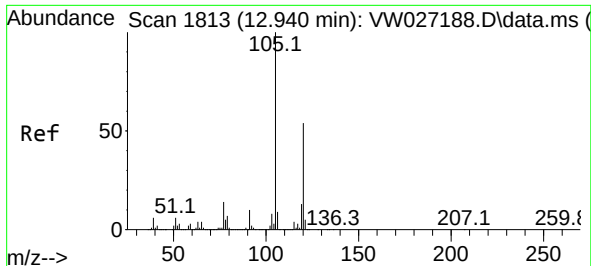
Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2

110 39.3 31.2 46.8





#62

1,3,5-Trimethylbenzene

Concen: 114.252 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Instrument :

MSVOA\_W

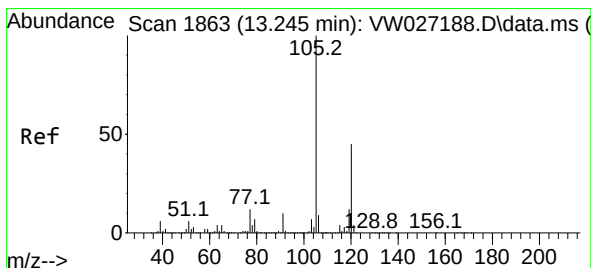
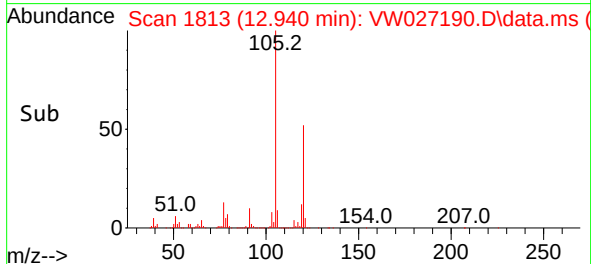
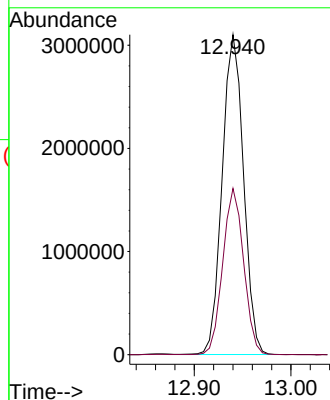
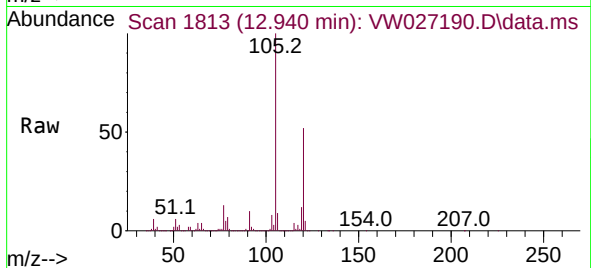
ClientSampleId :

Tgt Ion:105 Resp: 4754109

Ion Ratio Lower Upper

105 100

120 50.7 40.8 61.2



#63

1,2,4-Trimethylbenzene

Concen: 113.050 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW027190.D

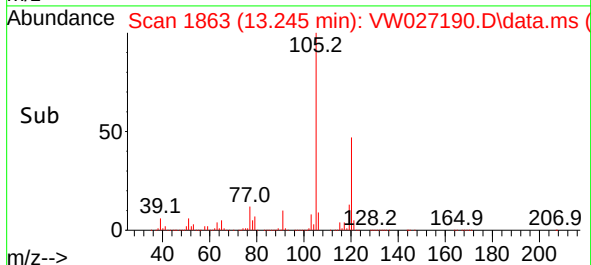
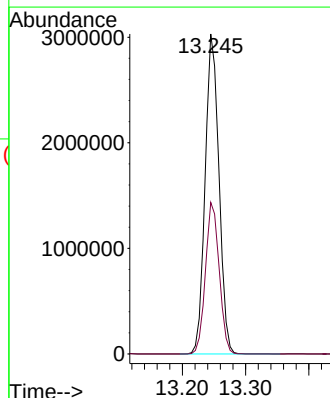
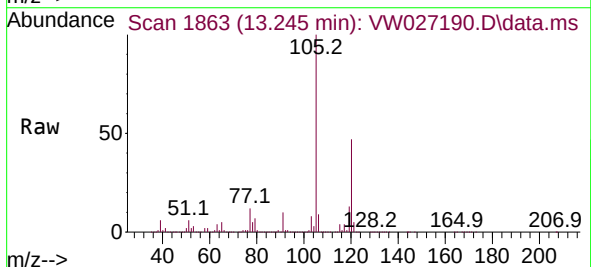
Acq: 27 Sep 2023 12:07

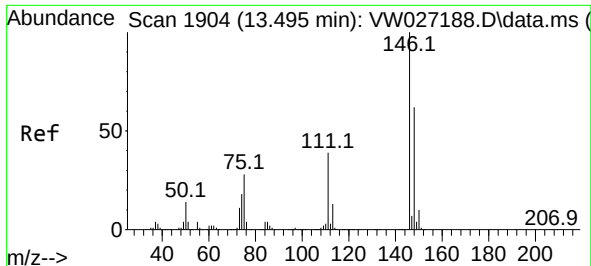
Tgt Ion:105 Resp: 4609912

Ion Ratio Lower Upper

105 100

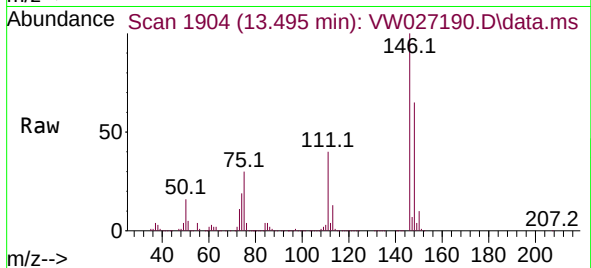
120 47.1 36.8 55.2



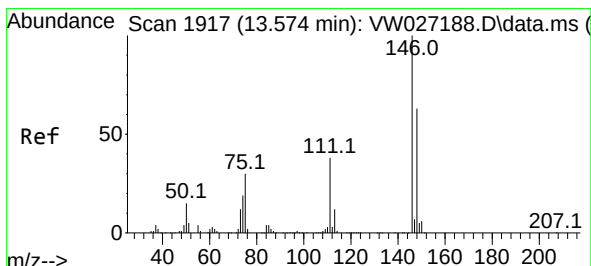
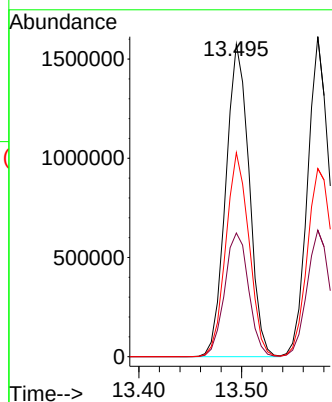
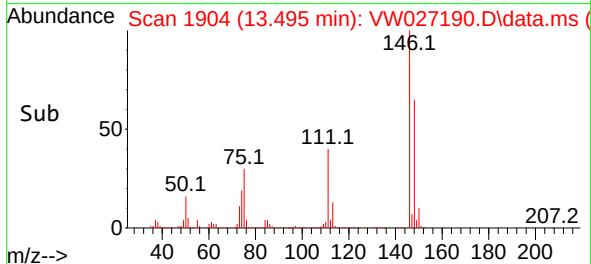


#64  
1,3-Dichlorobenzene  
Concen: 101.408 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07

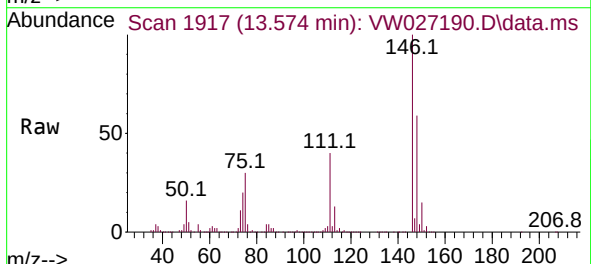
Instrument :  
MSVOA\_W  
ClientSampleId :



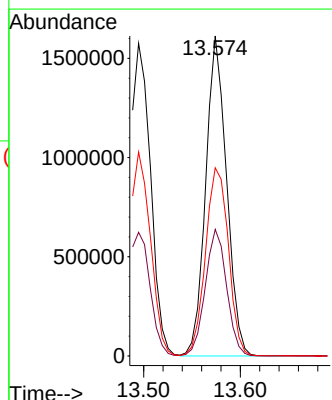
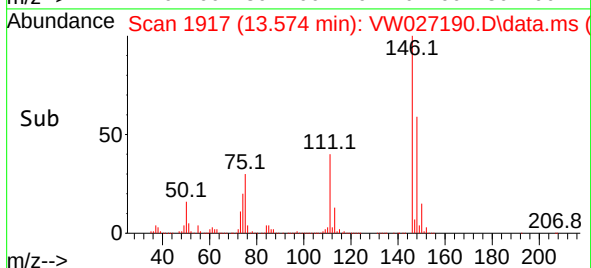
Tgt Ion:146 Resp: 2484011  
Ion Ratio Lower Upper  
146 100  
111 39.6 26.9 50.1  
148 65.2 43.3 80.5

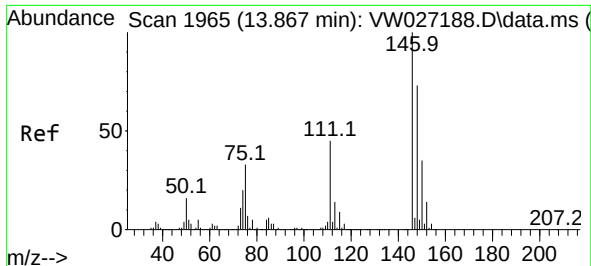


#65  
1,4-Dichlorobenzene  
Concen: 98.433 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW027190.D  
Acq: 27 Sep 2023 12:07



Tgt Ion:146 Resp: 2422417  
Ion Ratio Lower Upper  
146 100  
111 39.5 26.9 50.1  
148 58.8 43.9 81.5





#67

1,2-Dichlorobenzene

Concen: 102.118 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Instrument :

MSVOA\_W

ClientSampleId :

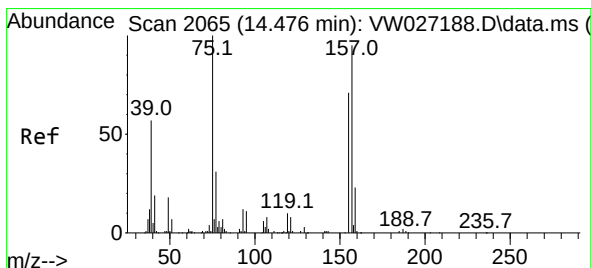
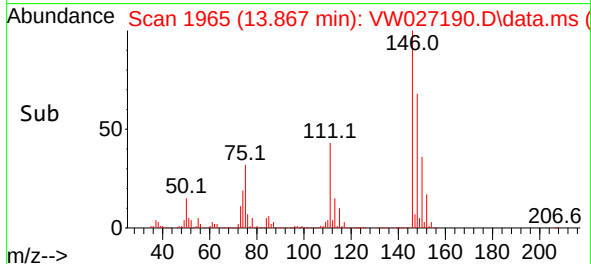
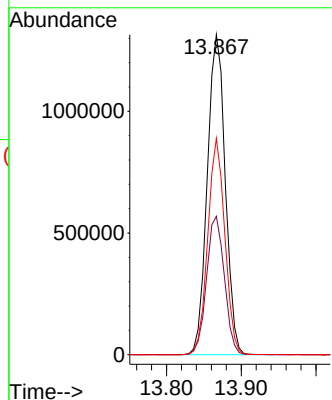
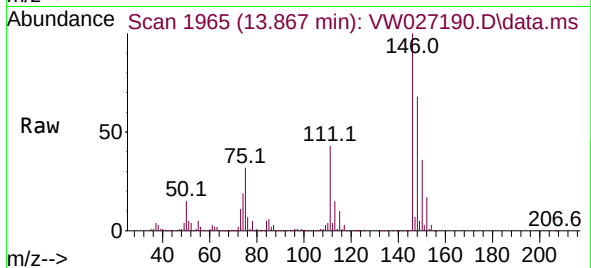
Tgt Ion:146 Resp: 2192508

Ion Ratio Lower Upper

146 100

111 43.3 35.6 53.4

148 67.6 58.4 87.6



#68

1,2-Dibromo-3-chloropropane

Concen: 99.195 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

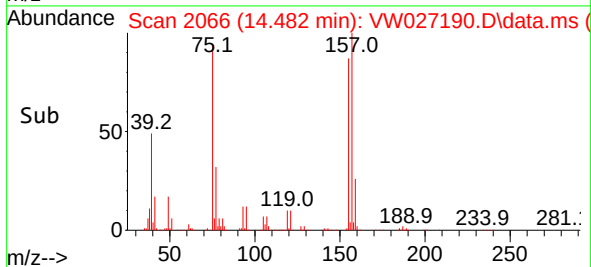
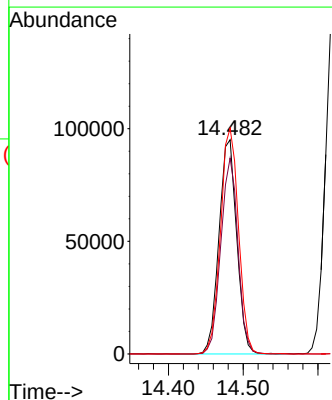
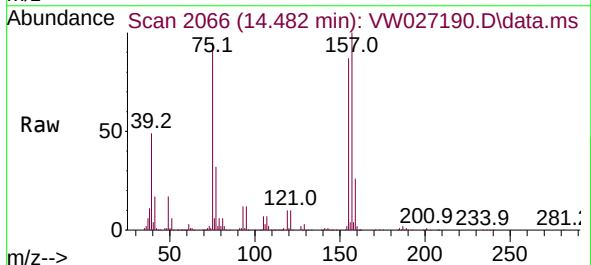
Tgt Ion: 75 Resp: 156806

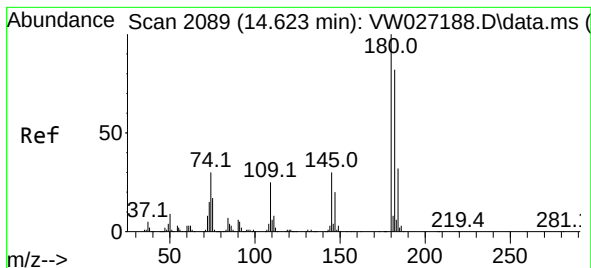
Ion Ratio Lower Upper

75 100

155 91.5 56.5 84.7#

157 105.4 75.9 113.9





#69

1,3,5-Trichlorobenzene

Concen: 96.899 ug/L

RT: 14.629 min Scan# 2089

Delta R.T. 0.006 min

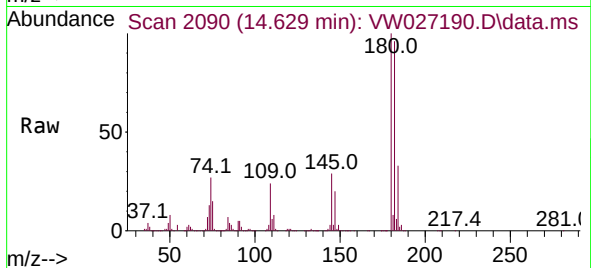
Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 1528408

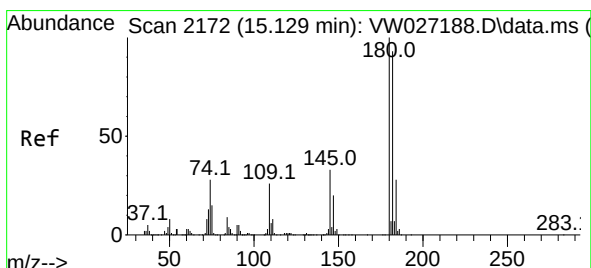
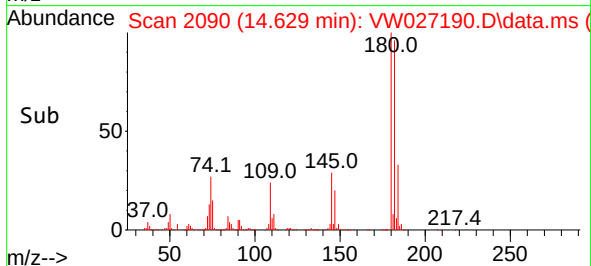
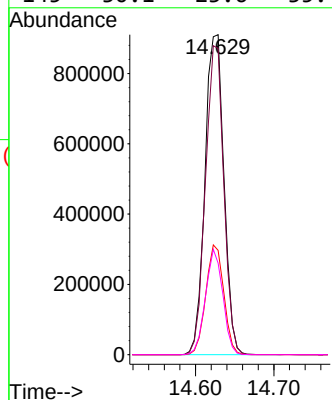
Ion Ratio Lower Upper

180 100

182 93.5 70.2 105.2

184 32.5 24.6 37.0

145 30.1 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 104.767 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

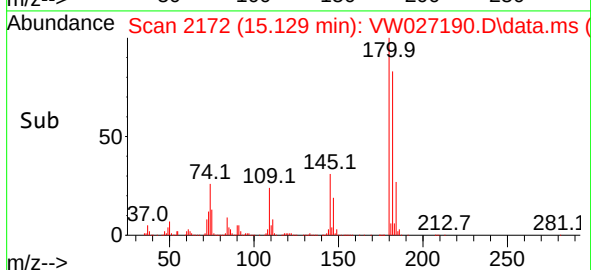
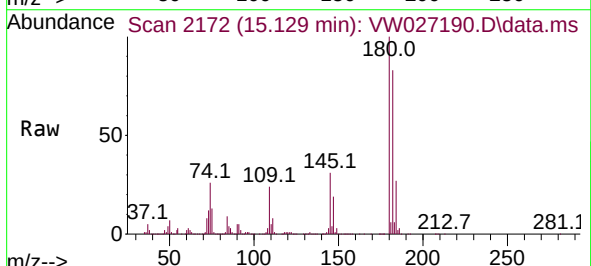
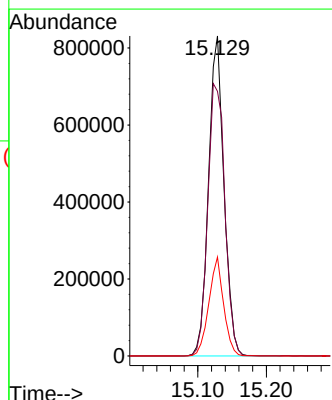
Tgt Ion:180 Resp: 1303737

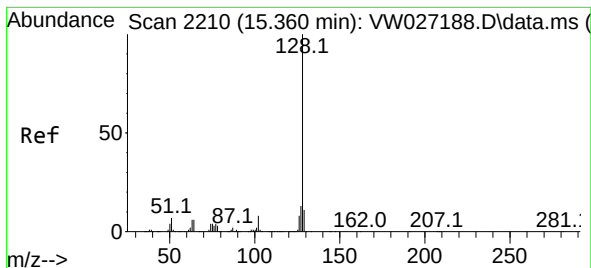
Ion Ratio Lower Upper

180 100

182 94.4 77.4 116.2

145 29.6 24.3 36.5





#71

Naphthalene

Concen: 116.465 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Instrument :

MSVOA\_W

ClientSampleId :

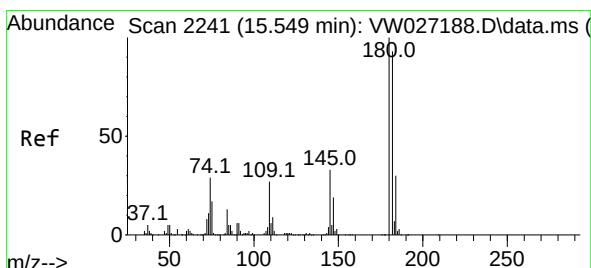
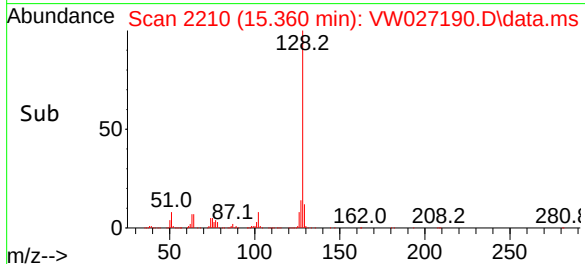
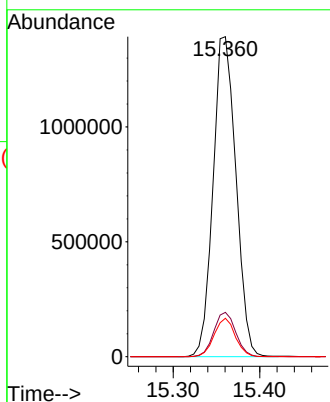
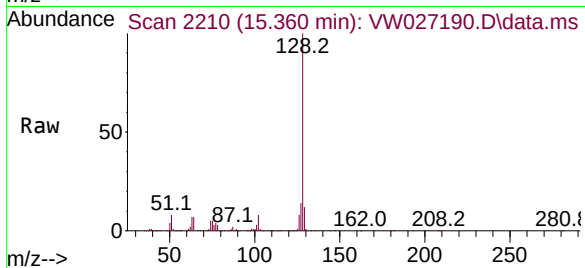
Tgt Ion:128 Resp: 2557142

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 11.1 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 98.238 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW027190.D

Acq: 27 Sep 2023 12:07

Tgt Ion:180 Resp: 1085174

Ion Ratio Lower Upper

180 100

182 95.7 74.7 112.1

145 33.3 26.4 39.6

