

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW090523\  
 Data File : VW026990.D  
 Acq On : 05 Sep 2023 10:22  
 Operator : SY/MD  
 Sample : VSTD00529  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Sep 06 01:34:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 06 01:32:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114  | 756413   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 731440   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 398951   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65   | 73651    | 5.450  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.899  | 69   | 58179    | 5.334  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65   | 27062    | 5.396  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 6.917  | 46   | 132      | 0.052  | ug/L   | -0.16    |
| 24) Chloroform-d              | 7.654  | 84   | 113302   | 5.034  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65   | 59446    | 5.025  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.276  | 84   | 240711   | 5.017  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67   | 69262    | 4.918  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.325 | 98   | 209759   | 4.829  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79   | 26578    | 4.863  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.922 | 63   | 10827    | 8.234  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 53655    | 4.909  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152  | 66952    | 4.852  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.027  | 85   | 42954    | 4.923  | ug/L   | 93       |
| 3) Chloromethane              | 2.222  | 50   | 64369    | 4.905  | ug/L   | 99       |
| 5) Vinyl chloride             | 2.381  | 62   | 75339    | 5.032  | ug/L   | 100      |
| 6) Bromomethane               | 2.783  | 94   | 48321    | 4.890  | ug/L   | 98       |
| 8) Chloroethane               | 2.936  | 64   | 46869    | 4.988  | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.259  | 101  | 39492    | 4.553  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101  | 50936    | 4.722  | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 4.051  | 96   | 50700    | 4.744  | ug/L   | 95       |
| 13) Acetone                   | 4.131  | 43   | 22368    | 9.811  | ug/L   | 91       |
| 14) Carbon disulfide          | 4.393  | 76   | 166672   | 4.862  | ug/L   | 95       |
| 15) Methyl Acetate            | 4.673  | 43   | 21418    | 4.368  | ug/L # | 88       |
| 16) Methylene chloride        | 4.929  | 84   | 75201    | 5.057  | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96   | 55834    | 4.773  | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73   | 72859    | 4.472  | ug/L # | 83       |
| 19) 1,1-Dichloroethane        | 6.216  | 63   | 106591   | 4.834  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96   | 60141    | 4.672  | ug/L   | 94       |
| 22) 2-Butanone                | 7.173  | 43   | 37004    | 10.157 | ug/L   | 77       |
| 23) Bromochloromethane        | 7.514  | 128  | 27644    | 4.949  | ug/L   | 95       |
| 25) Chloroform                | 7.679  | 83   | 106115   | 4.907  | ug/L   | 94       |
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 64728    | 4.731  | ug/L   | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 80833    | 4.239  | ug/L   | 94       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 78149    | 4.717  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 69973    | 4.738  | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 238970   | 4.777  | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 60666    | 4.720  | ug/L   | 91       |
| 35) Methylcyclohexane         | 9.337  | 83   | 97936    | 4.485  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 60459    | 4.736  | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.648  | 83   | 70426    | 4.685  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 81037    | 4.275  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 57956    | 8.794  | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 239366   | 4.650  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 68634    | 4.460  | ug/L   | 100      |

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 Sample : VSTD00529  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Sep 06 01:34:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 06 01:32:52 2023  
 Response via : Initial Calibration

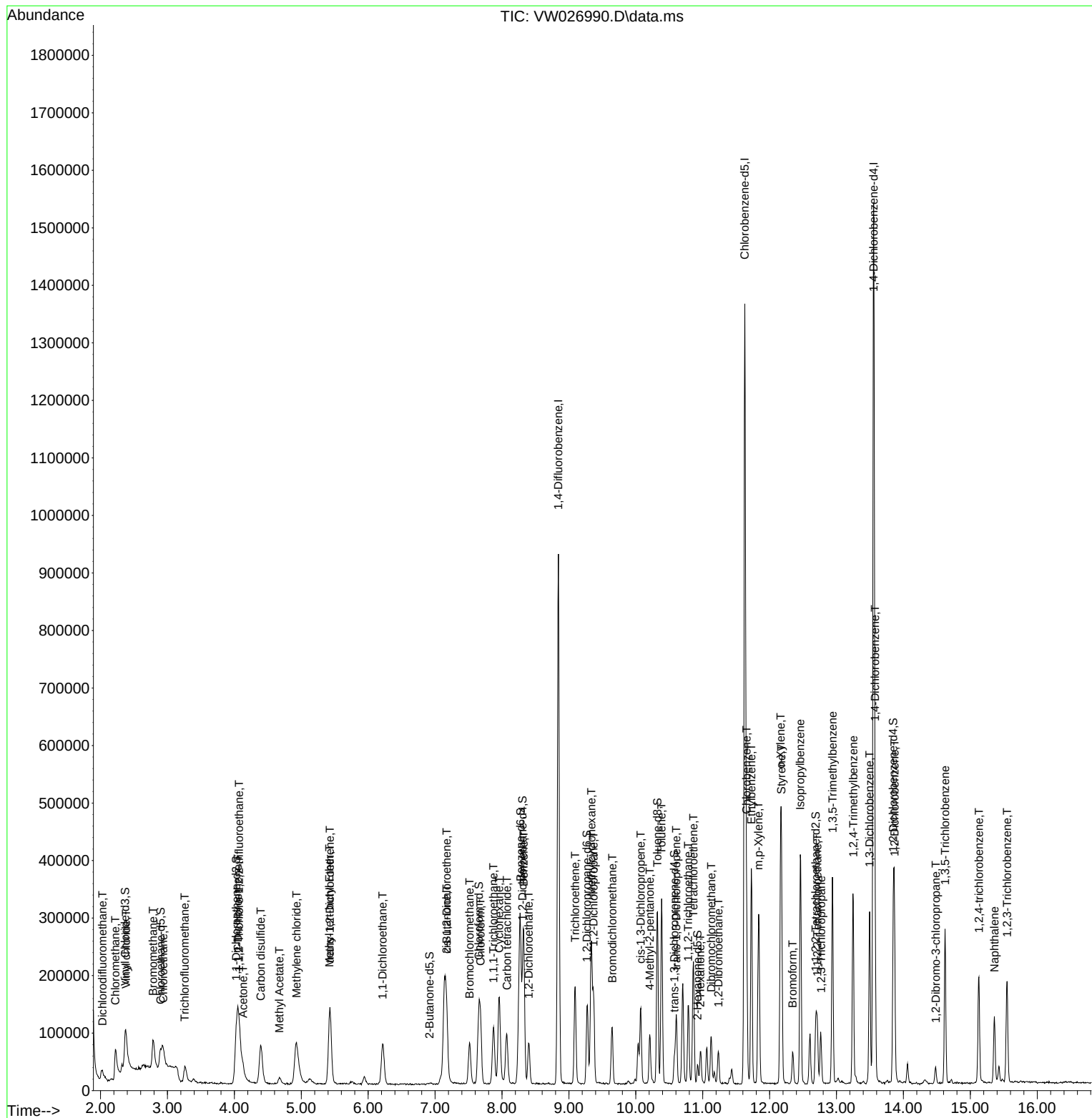
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 44160    | 4.802 | ug/L  | 94       |
| 46) Tetrachloroethene         | 10.861 | 164  | 46567    | 4.746 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.965 | 43   | 36620    | 8.352 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.129 | 129  | 43921    | 4.637 | ug/L  | 91       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 40460    | 4.860 | ug/L  | 93       |
| 51) Chlorobenzene             | 11.654 | 112  | 155230   | 4.682 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 260364   | 4.562 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.836 | 106  | 96429    | 4.467 | ug/L  | 96       |
| 54) o-Xylene                  | 12.166 | 106  | 89780    | 4.445 | ug/L  | 98       |
| 55) Styrene                   | 12.178 | 104  | 154419   | 4.479 | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 50813    | 4.670 | ug/L  | 98       |
| 59) Bromoform                 | 12.342 | 173  | 26241    | 4.625 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 244720   | 4.478 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 35635    | 4.669 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 186330   | 4.273 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.251 | 105  | 180614   | 4.236 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 116826   | 4.699 | ug/L  | 91       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 119838   | 4.743 | ug/L  | 83       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 101914   | 4.550 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 8309     | 4.801 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 81947    | 4.745 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 64227    | 4.567 | ug/L  | 91       |
| 71) Naphthalene               | 15.360 | 128  | 97162    | 3.905 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 59208    | 4.645 | ug/L  | 98       |

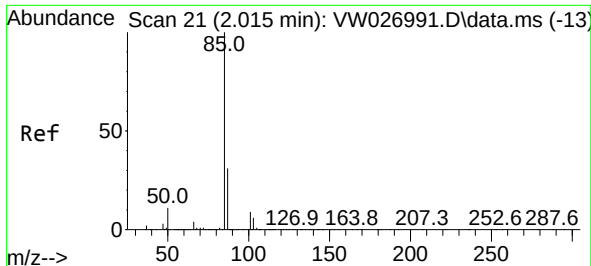
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Sample : VSTD00529  
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 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 06 01:32:52 2023  
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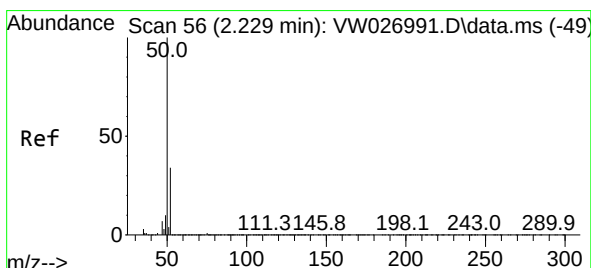
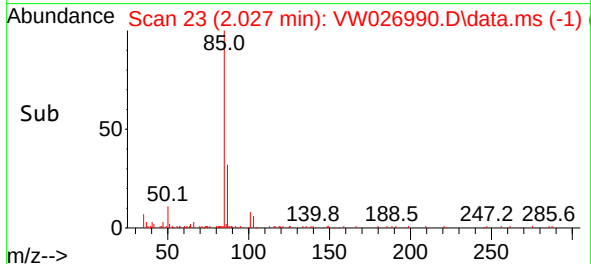
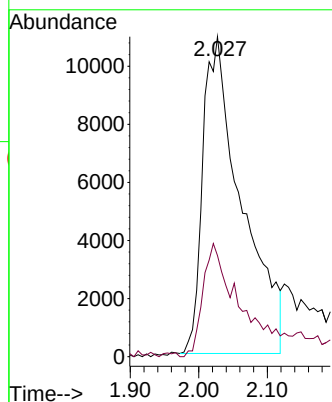
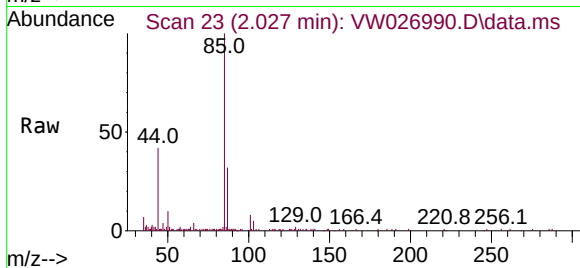




#2  
 Dichlorodifluoromethane  
 Concen: 4.923 ug/L  
 RT: 2.027 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: VW026990.D  
 Acq: 05 Sep 2023 10:22

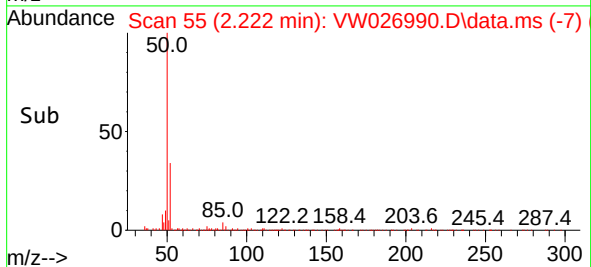
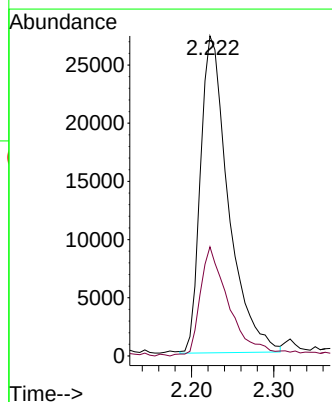
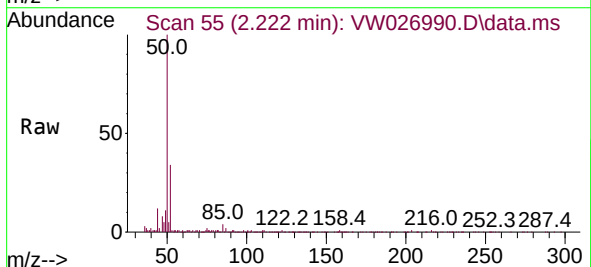
Instrument :  
 MSVOA\_W  
 ClientSampleId :

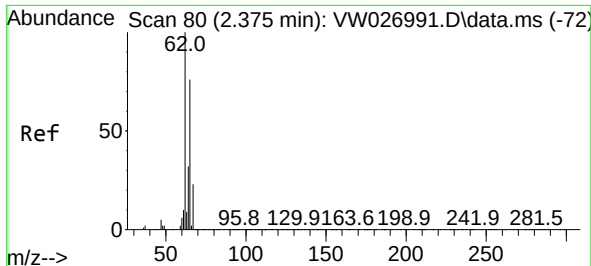
Tgt Ion: 85 Resp: 42954  
 Ion Ratio Lower Upper  
 85 100  
 87 20.4 19.1 28.7



#3  
 Chloromethane  
 Concen: 4.905 ug/L  
 RT: 2.222 min Scan# 55  
 Delta R.T. -0.006 min  
 Lab File: VW026990.D  
 Acq: 05 Sep 2023 10:22

Tgt Ion: 50 Resp: 64369  
 Ion Ratio Lower Upper  
 50 100  
 52 34.1 24.1 44.7

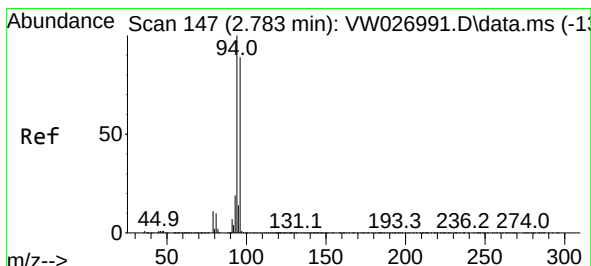
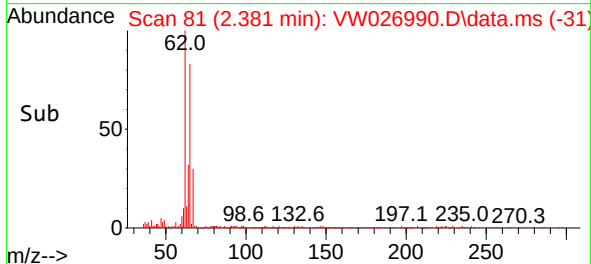
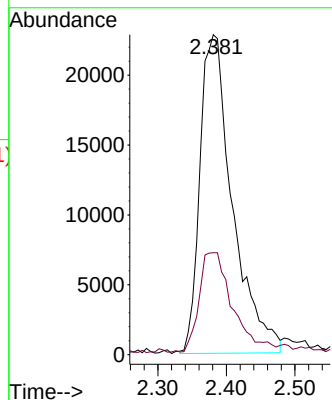
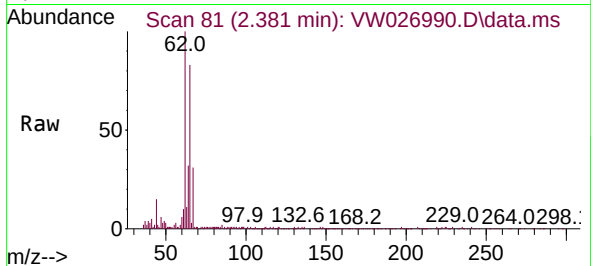




#5  
 Vinyl chloride  
 Concen: 5.032 ug/L  
 RT: 2.381 min Scan# 81  
 Delta R.T. 0.006 min  
 Lab File: VW026990.D  
 Acq: 05 Sep 2023 10:22

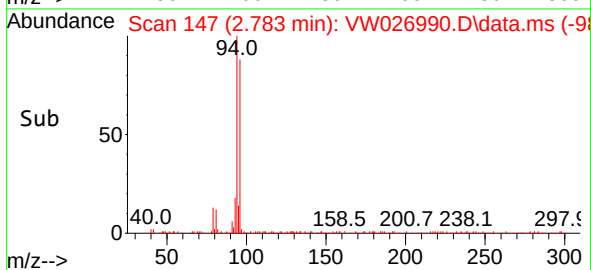
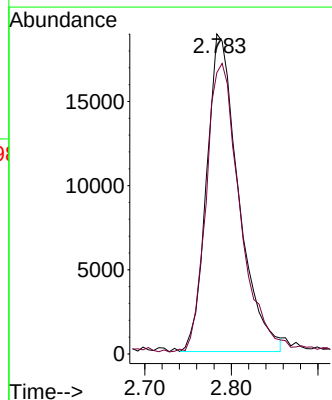
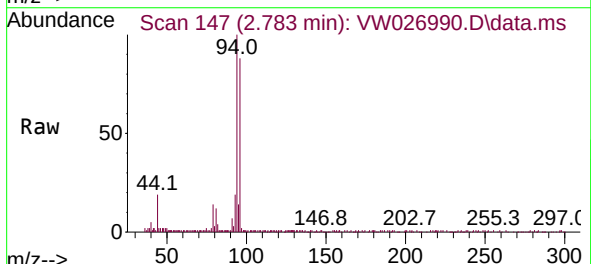
Instrument :  
 MSVOA\_W  
 ClientSampleId :

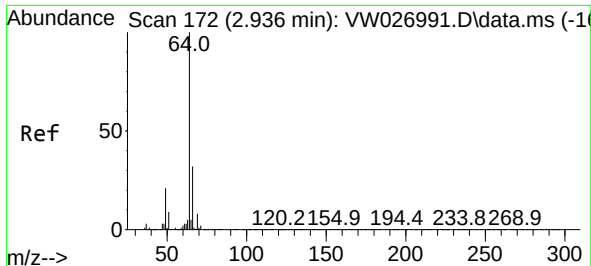
Tgt Ion: 62 Resp: 75339  
 Ion Ratio Lower Upper  
 62 100  
 64 31.9 22.3 41.3



#6  
 Bromomethane  
 Concen: 4.890 ug/L  
 RT: 2.783 min Scan# 147  
 Delta R.T. -0.000 min  
 Lab File: VW026990.D  
 Acq: 05 Sep 2023 10:22

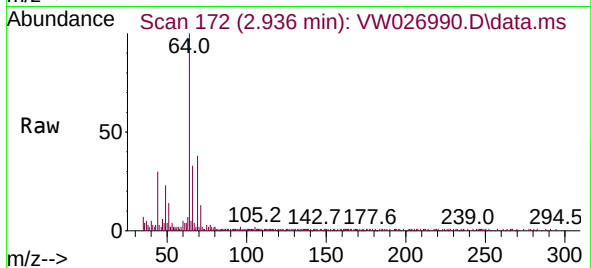
Tgt Ion: 94 Resp: 48321  
 Ion Ratio Lower Upper  
 94 100  
 96 87.9 62.6 116.2



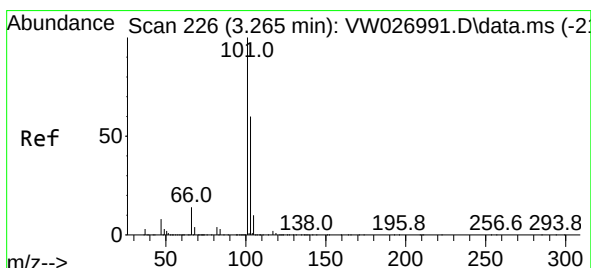
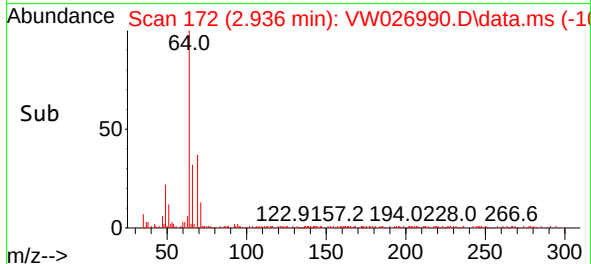
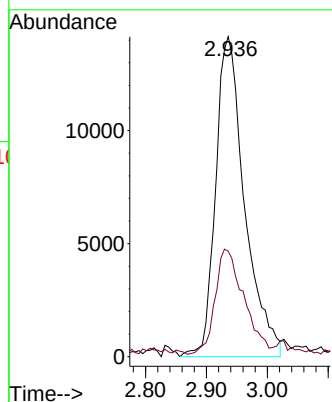


#8  
Chloroethane  
Concen: 4.988 ug/L  
RT: 2.936 min Scan# 172  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :

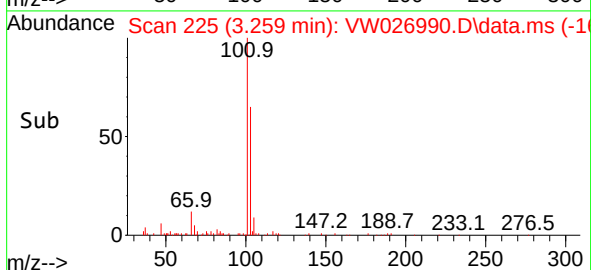
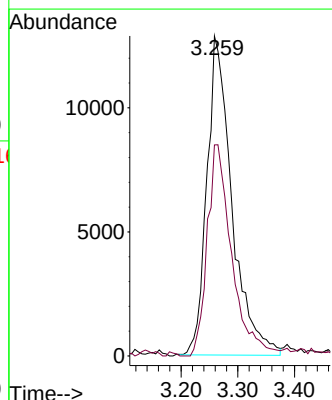
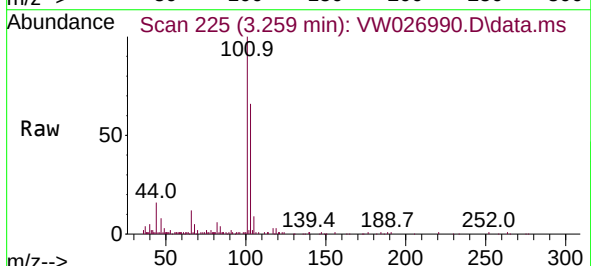


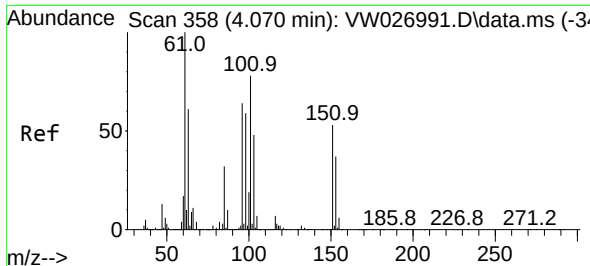
Tgt Ion: 64 Resp: 46869  
Ion Ratio Lower Upper  
64 100  
66 33.0 22.5 41.7



#9  
Trichlorofluoromethane  
Concen: 4.553 ug/L  
RT: 3.259 min Scan# 225  
Delta R.T. -0.006 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Tgt Ion: 101 Resp: 39492  
Ion Ratio Lower Upper  
101 100  
103 64.6 50.2 75.4





#10

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

Concen: 4.722 ug/L

RT: 4.070 min Scan# 358

Delta R.T. -0.000 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

Instrument :

MSVOA\_W

ClientSampleId :

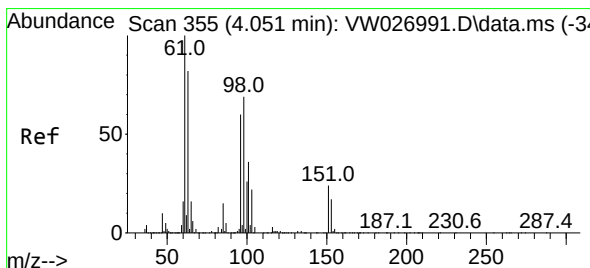
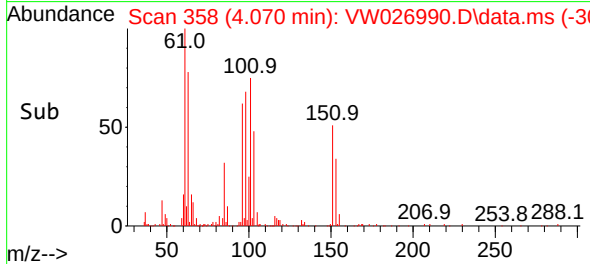
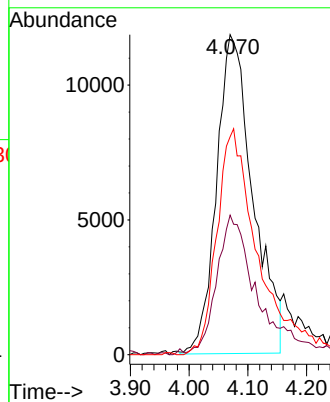
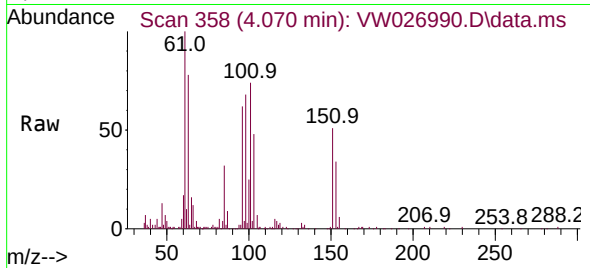
Tgt Ion:101 Resp: 50936

Ion Ratio Lower Upper

101 100

85 38.1 31.1 46.7

151 72.9 54.2 81.2



#12

1,1-Dichloroethene

Concen: 4.744 ug/L

RT: 4.051 min Scan# 355

Delta R.T. -0.000 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

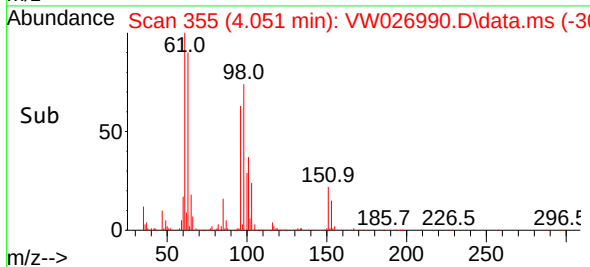
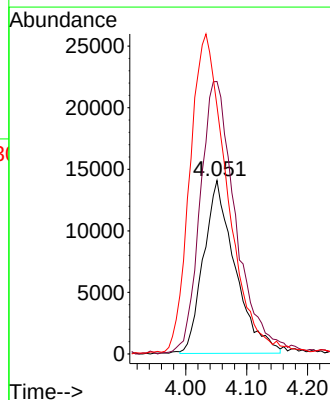
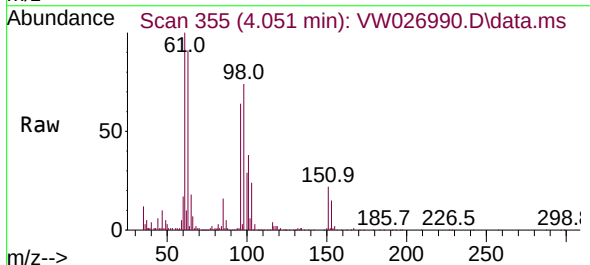
Tgt Ion: 96 Resp: 50700

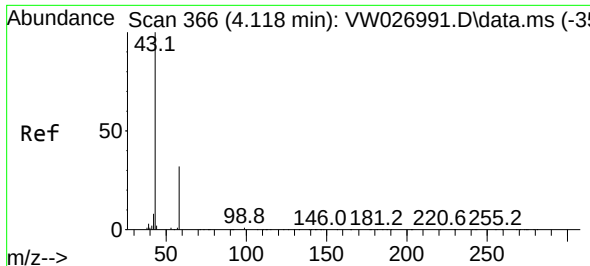
Ion Ratio Lower Upper

96 100

61 157.1 117.0 217.4

63 142.7 97.3 180.7

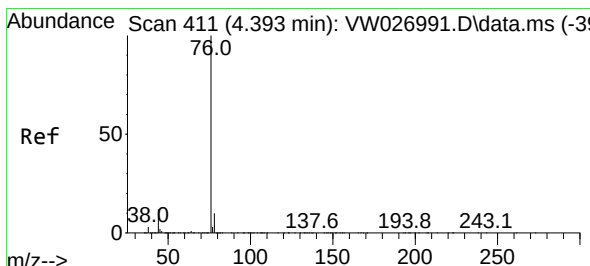
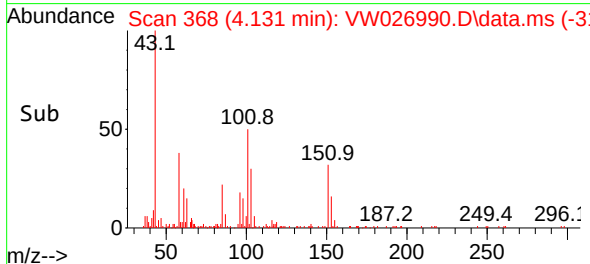
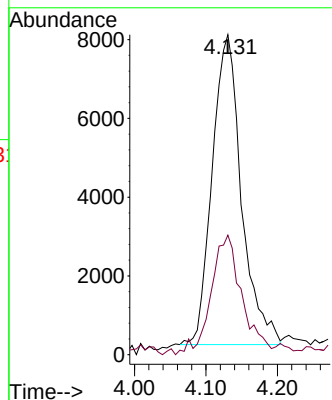
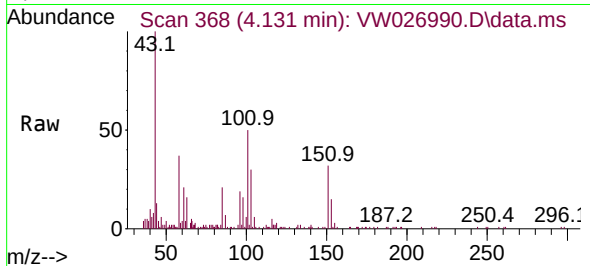




#13  
Acetone  
Concen: 9.811 ug/L  
RT: 4.131 min Scan# 368  
Delta R.T. 0.012 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

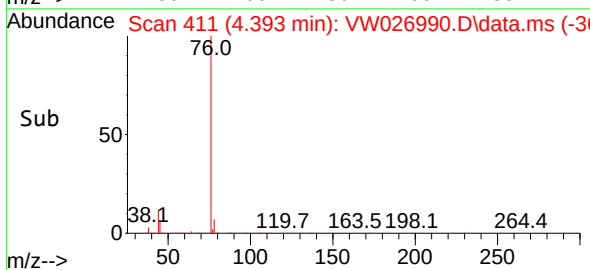
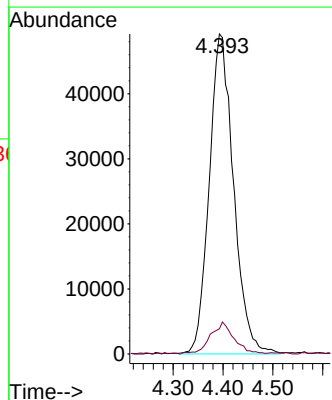
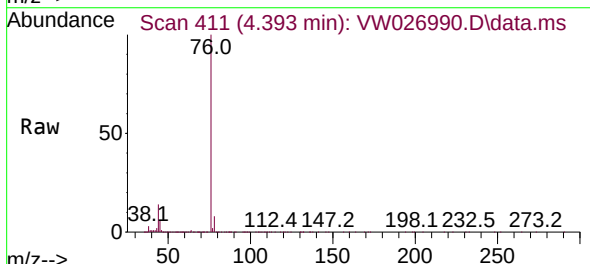
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 22368  
Ion Ratio Lower Upper  
43 100  
58 38.5 0.0 66.4

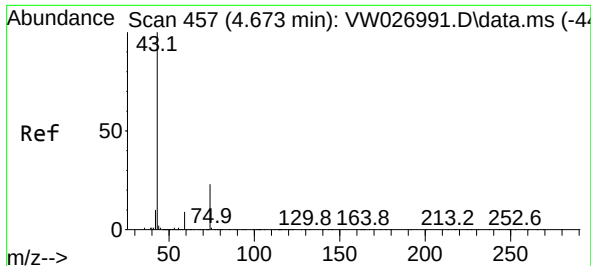


#14  
Carbon disulfide  
Concen: 4.862 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Tgt Ion: 76 Resp: 166672  
Ion Ratio Lower Upper  
76 100  
78 7.9 7.8 11.8



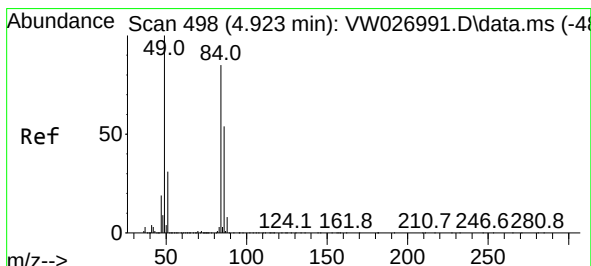
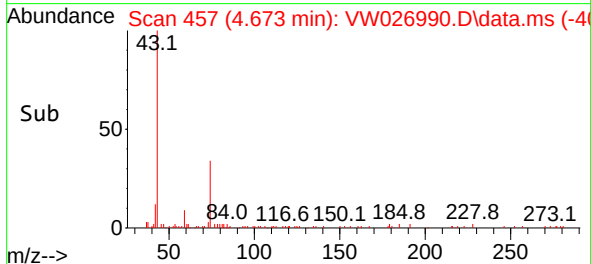
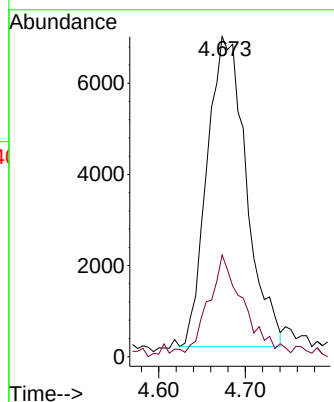
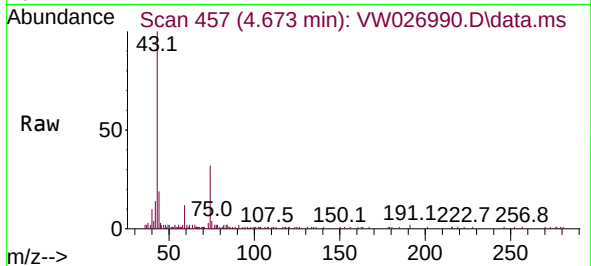




#15  
Methyl Acetate  
Concen: 4.368 ug/L  
RT: 4.673 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

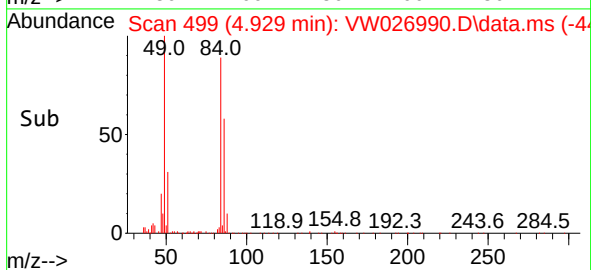
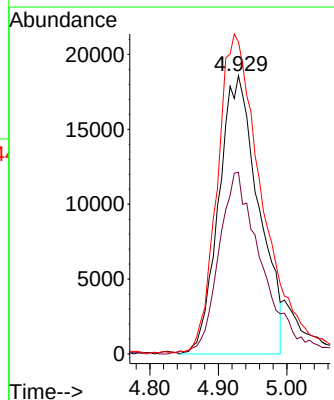
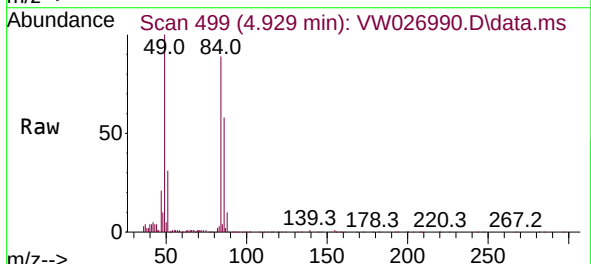
Instrument :  
MSVOA\_W  
ClientSampleId :

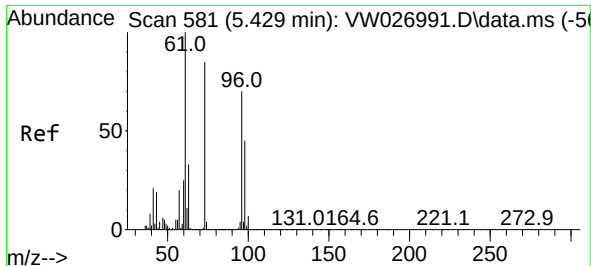
Tgt Ion: 43 Resp: 21418  
Ion Ratio Lower Upper  
43 100  
74 29.0 0.1 0.1#



#16  
Methylene chloride  
Concen: 5.057 ug/L  
RT: 4.929 min Scan# 499  
Delta R.T. 0.006 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

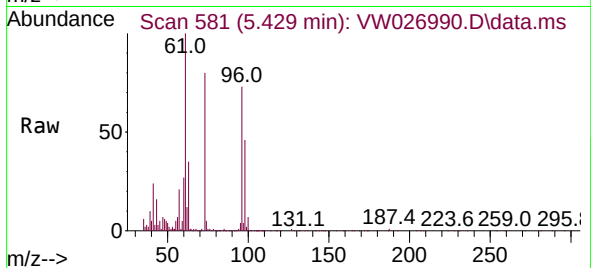
Tgt Ion: 84 Resp: 75201  
Ion Ratio Lower Upper  
84 100  
86 65.3 44.1 81.9  
49 112.1 82.1 152.5



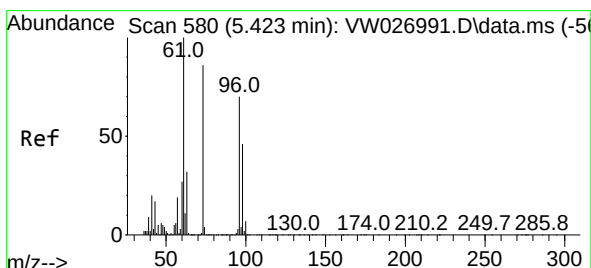
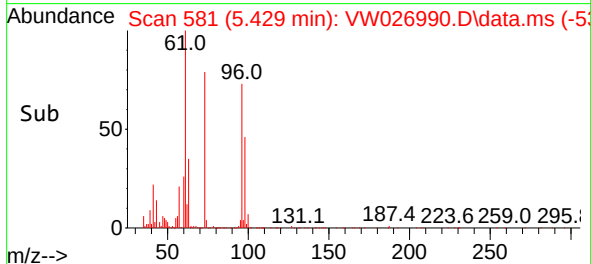
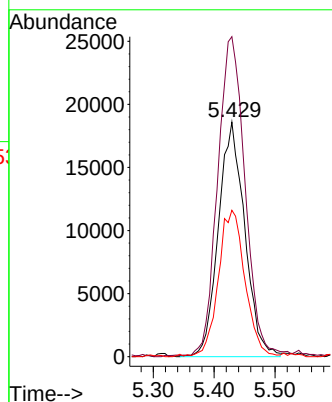


#17  
trans-1,2-Dichloroethene  
Concen: 4.773 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :

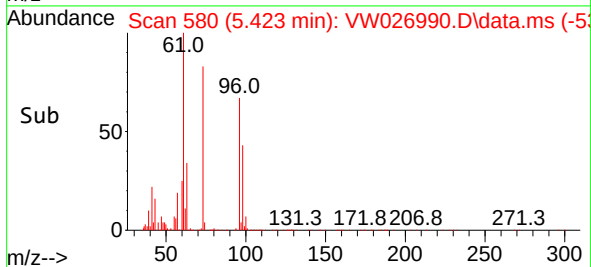
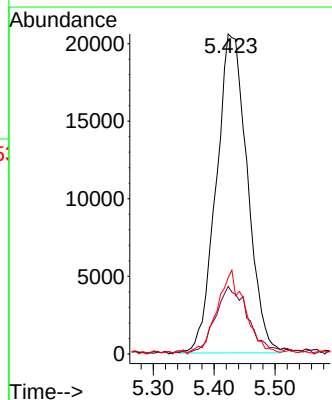
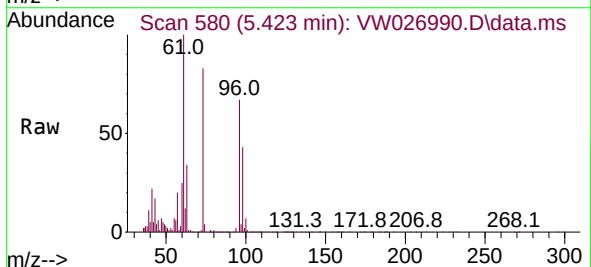


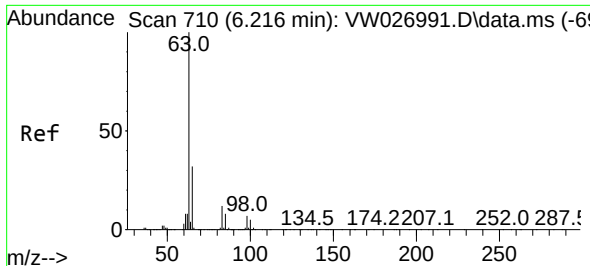
| Tgt Ion:  | 96    | Resp: | 55834 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 96        | 100   |       |       |
| 61        | 136.4 | 100.3 | 186.3 |
| 98        | 62.4  | 45.5  | 84.5  |



#18  
Methyl tert-butyl Ether  
Concen: 4.472 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

| Tgt Ion:  | 73   | Resp: | 72859 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 73        | 100  |       |       |
| 43        | 14.9 | 16.5  | 24.7# |
| 57        | 13.2 | 18.5  | 27.7# |





#19

1,1-Dichloroethane

Concen: 4.834 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

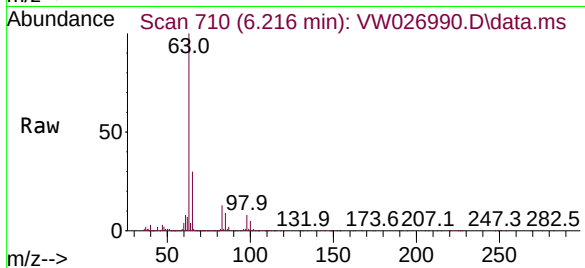
Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

Instrument :

MSVOA\_W

ClientSampleId :



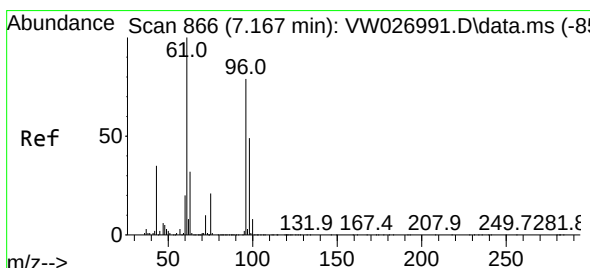
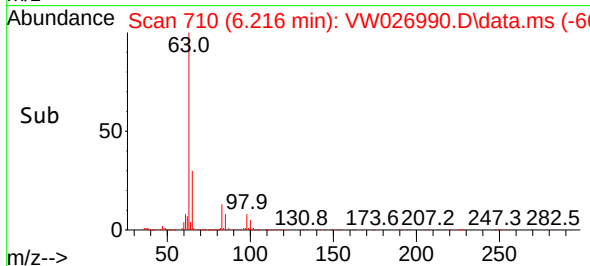
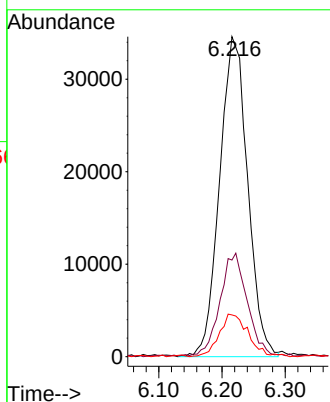
Tgt Ion: 63 Resp: 106591

Ion Ratio Lower Upper

63 100

65 30.2 22.1 41.1

83 13.1 8.3 15.3



#20

cis-1,2-Dichloroethene

Concen: 4.672 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

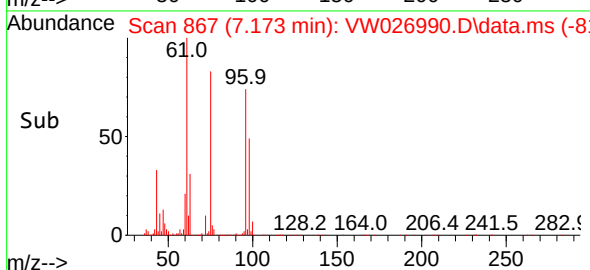
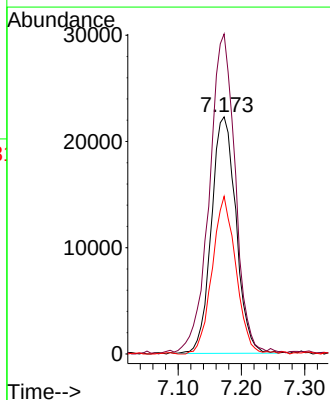
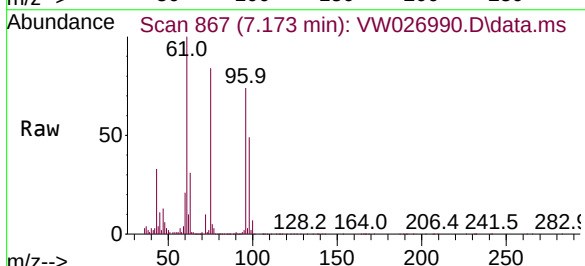
Tgt Ion: 96 Resp: 60141

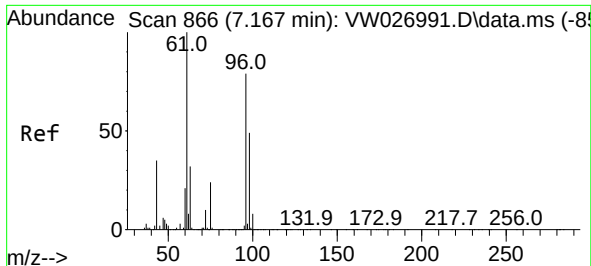
Ion Ratio Lower Upper

96 100

61 134.9 89.0 165.4

98 66.4 43.6 81.0

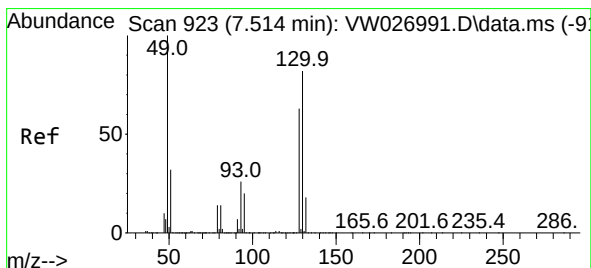
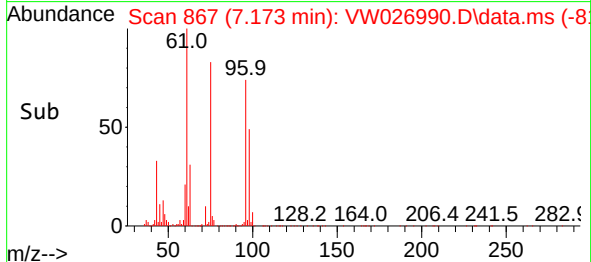
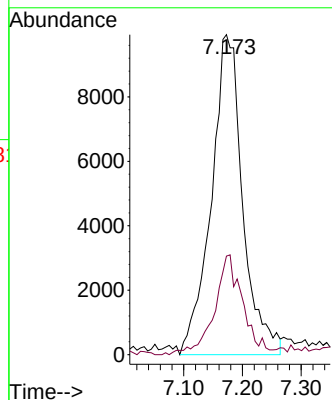
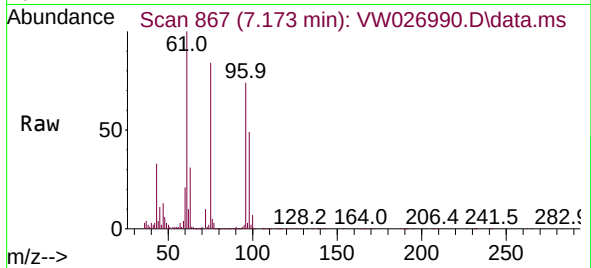




#22  
2-Butanone  
Concen: 10.157 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

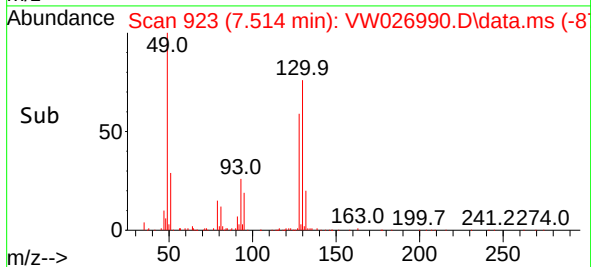
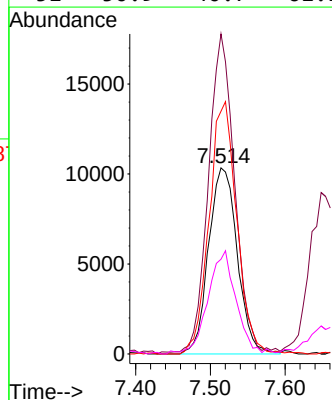
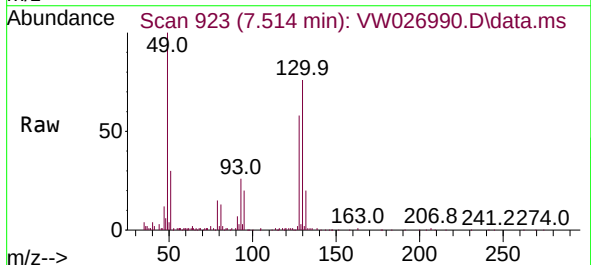
Instrument :  
MSVOA\_W  
ClientSampleId :

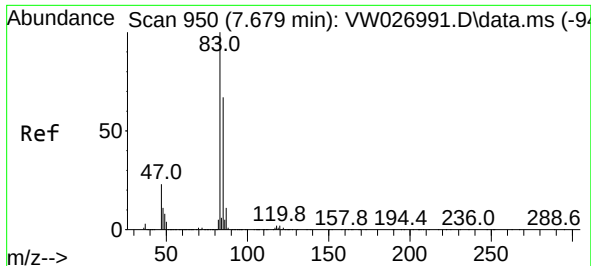
Tgt Ion: 43 Resp: 37004  
Ion Ratio Lower Upper  
43 100  
72 16.4 14.4 43.0



#23  
Bromochloromethane  
Concen: 4.949 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Tgt Ion: 128 Resp: 27644  
Ion Ratio Lower Upper  
128 100  
49 172.0 111.6 207.2  
130 130.5 90.9 168.7  
51 50.9 40.7 61.1

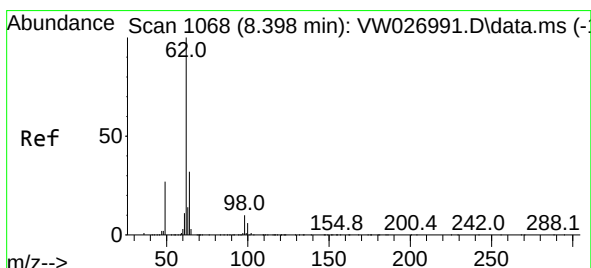
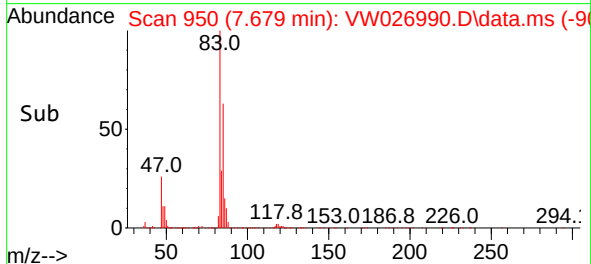
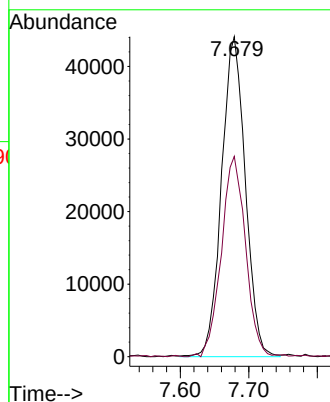
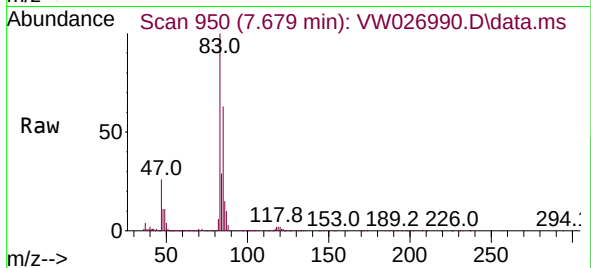




#25  
Chloroform  
Concen: 4.907 ug/L  
RT: 7.679 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

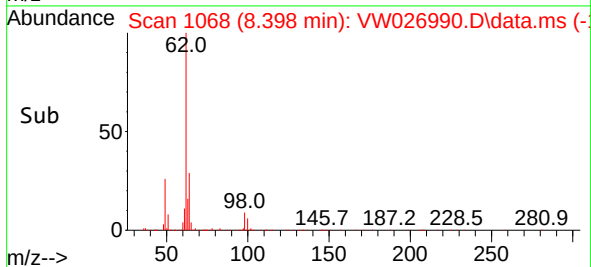
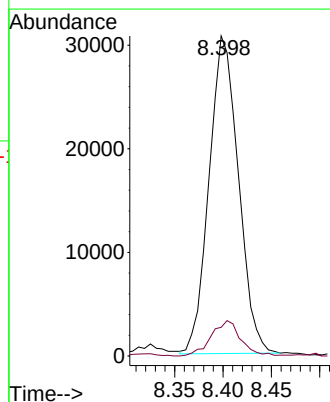
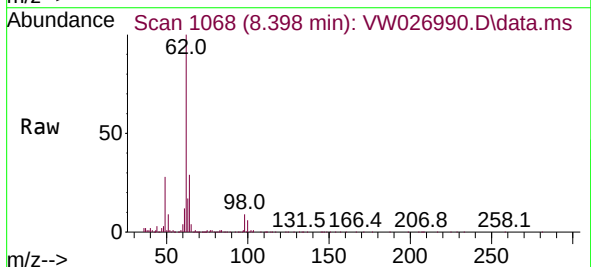
Instrument :  
MSVOA\_W  
ClientSampleId :

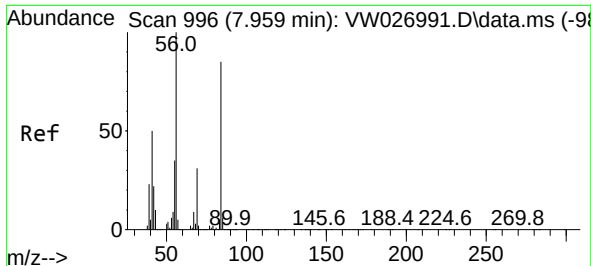
Tgt Ion: 83 Resp: 106115  
Ion Ratio Lower Upper  
83 100  
85 62.6 47.3 87.9



#27  
1,2-Dichloroethane  
Concen: 4.731 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Tgt Ion: 62 Resp: 64728  
Ion Ratio Lower Upper  
62 100  
98 9.0 7.6 11.4

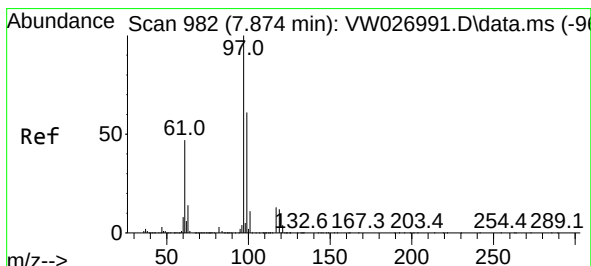
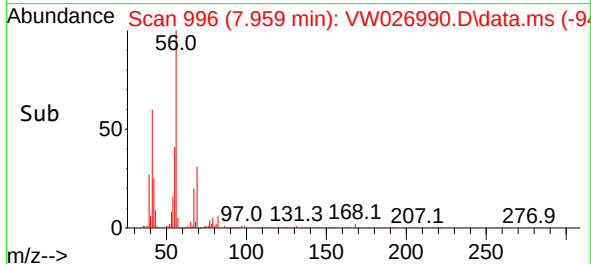
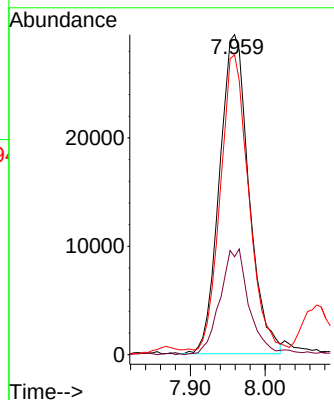
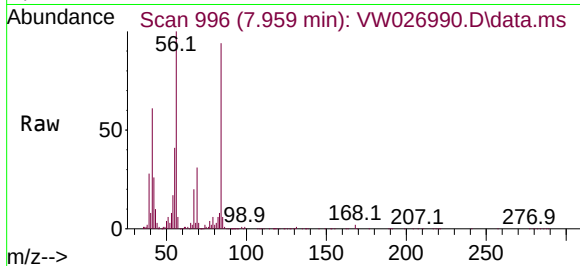




#29  
Cyclohexane  
Concen: 4.239 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

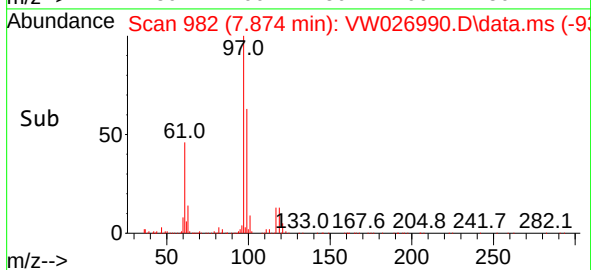
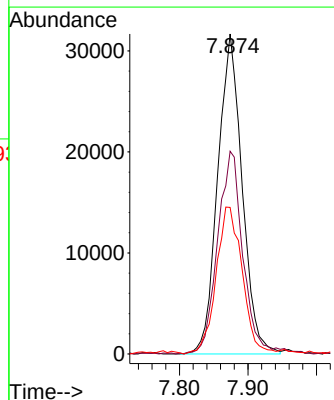
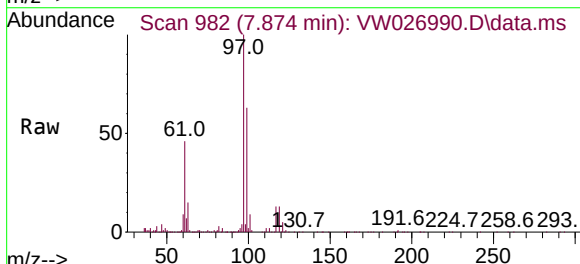
Instrument :  
MSVOA\_W  
ClientSampleId :

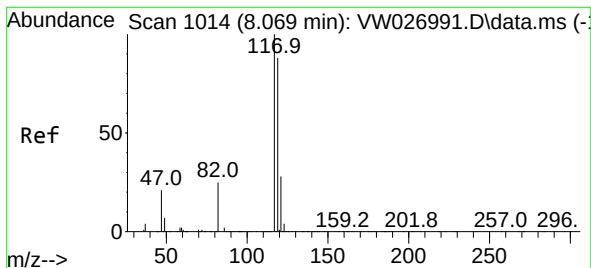
Tgt Ion: 56 Resp: 80833  
Ion Ratio Lower Upper  
56 100  
69 32.0 24.8 37.2  
84 91.8 68.2 102.4



#30  
1,1,1-Trichloroethane  
Concen: 4.717 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Tgt Ion: 97 Resp: 78149  
Ion Ratio Lower Upper  
97 100  
99 64.9 50.8 76.2  
61 49.1 37.6 56.4





#31

Carbon tetrachloride

Concen: 4.738 ug/L

RT: 8.075 min Scan# 1015

Delta R.T. 0.006 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

Instrument :

MSVOA\_W

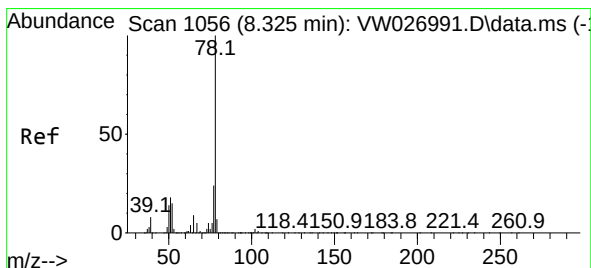
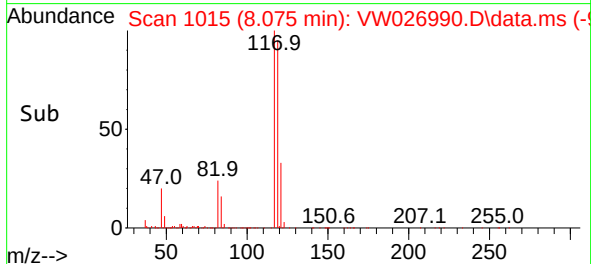
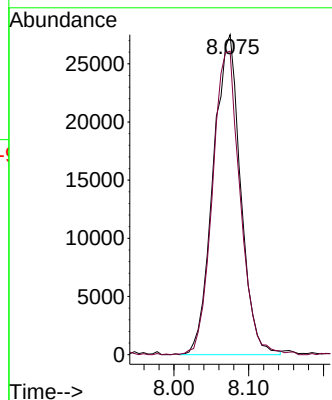
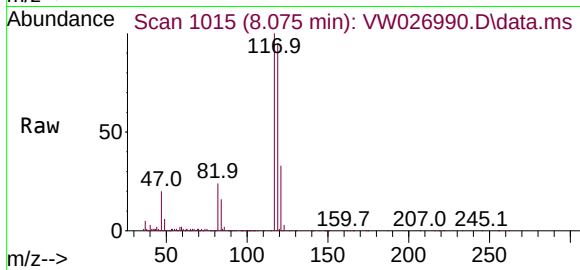
ClientSampleId :

Tgt Ion:117 Resp: 69973

Ion Ratio Lower Upper

117 100

119 95.8 76.1 114.1



#33

Benzene

Concen: 4.777 ug/L

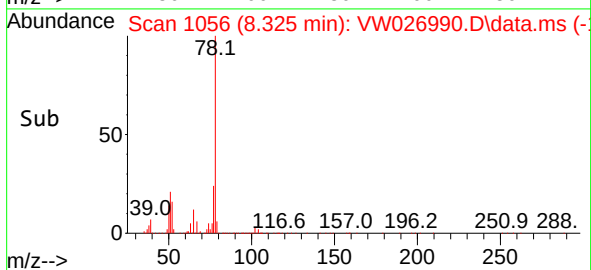
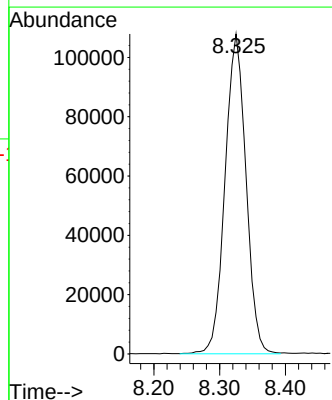
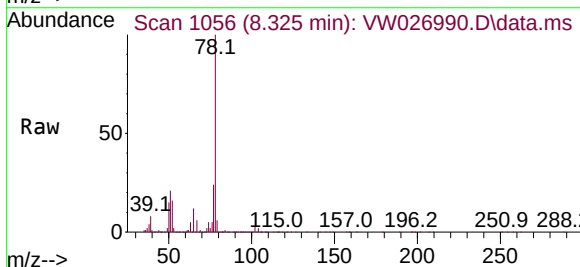
RT: 8.325 min Scan# 1056

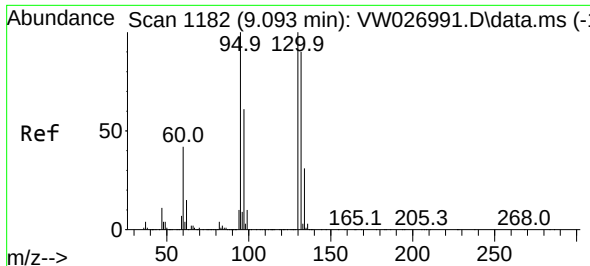
Delta R.T. -0.000 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

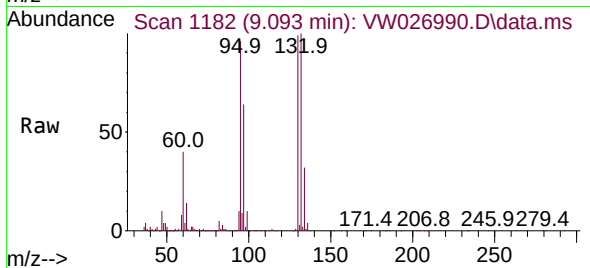
Tgt Ion: 78 Resp: 238970





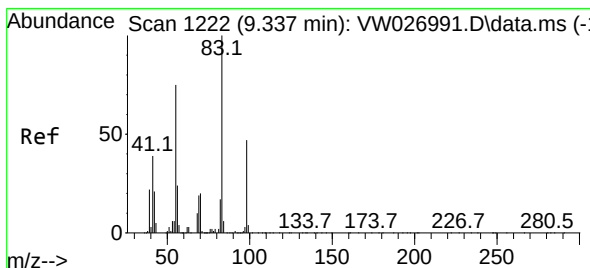
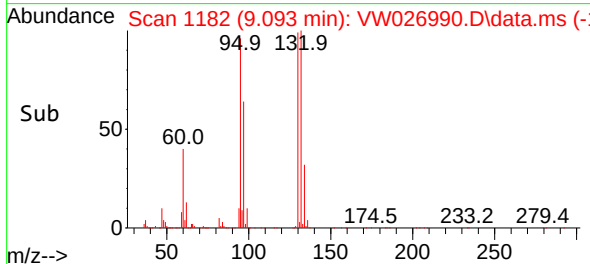
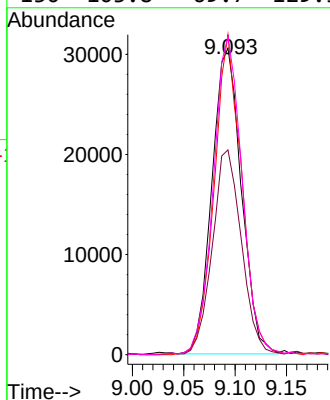
#34  
Trichloroethene  
Concen: 4.720 ug/L  
RT: 9.093 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 95 Resp: 60666

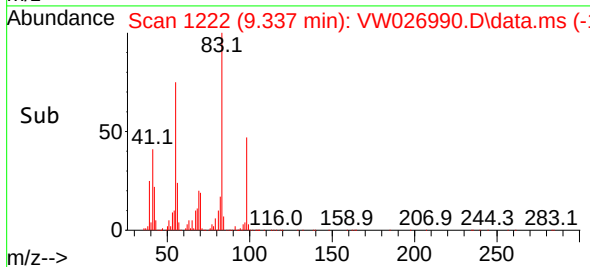
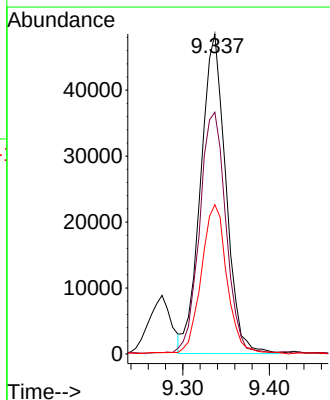
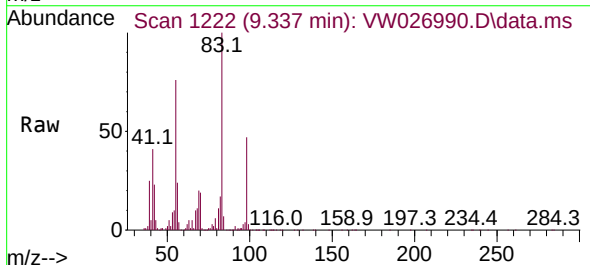
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.8  | 42.4  | 78.8  |
| 132 | 104.4 | 63.1  | 117.3 |
| 130 | 103.8 | 69.7  | 129.5 |



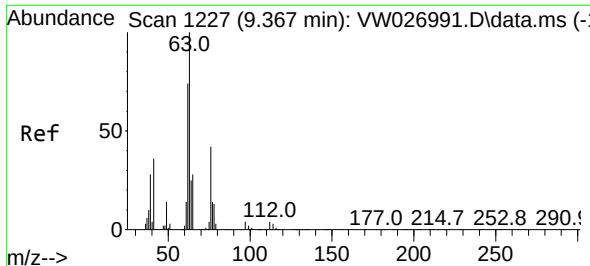
#35  
Methylcyclohexane  
Concen: 4.485 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Tgt Ion: 83 Resp: 97936

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 78.8  | 61.7  | 92.5  |
| 98  | 47.6  | 38.3  | 57.5  |







#37

1,2-Dichloropropane

Concen: 4.736 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

Instrument :

MSVOA\_W

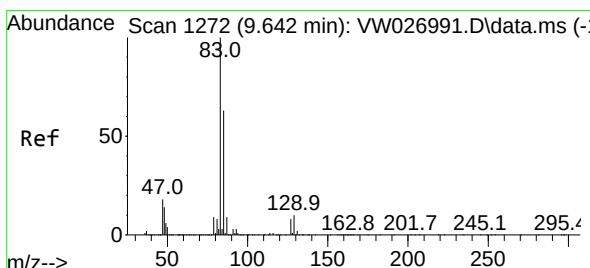
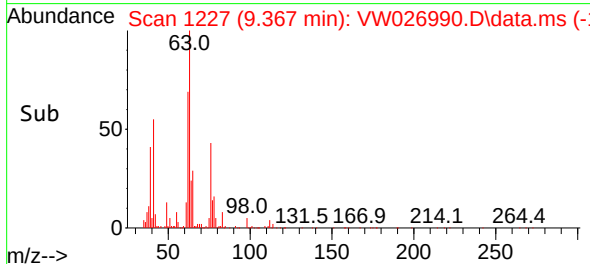
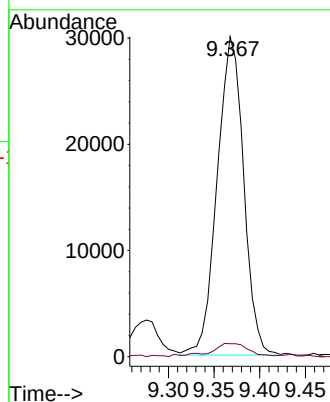
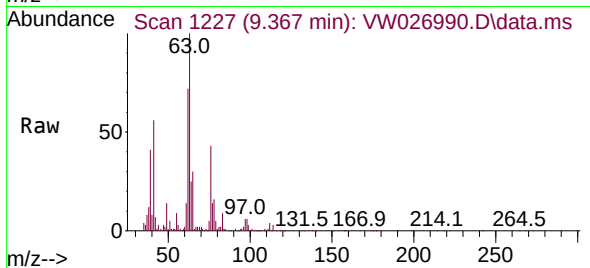
ClientSampleId :

Tgt Ion: 63 Resp: 60459

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 4.685 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

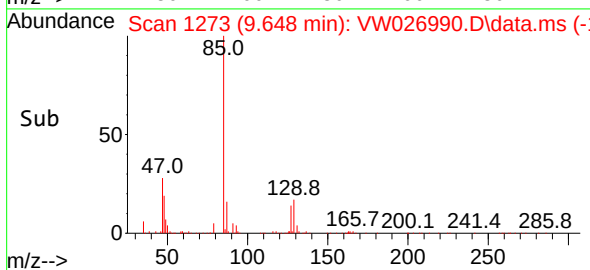
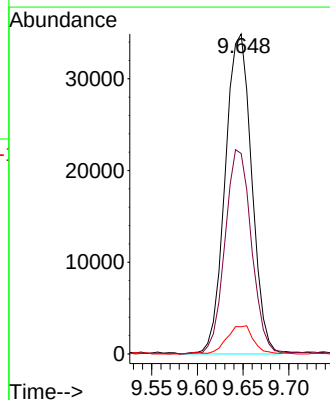
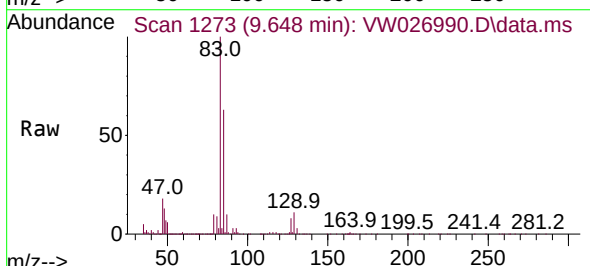
Tgt Ion: 83 Resp: 70426

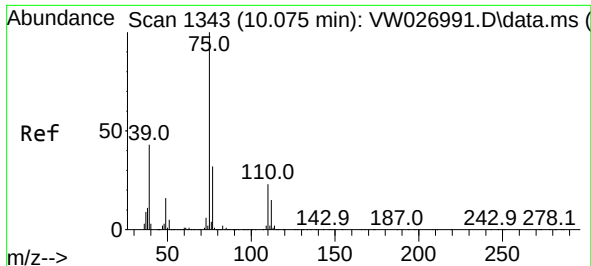
Ion Ratio Lower Upper

83 100

85 62.7 44.4 82.4

127 8.5 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 4.275 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

Instrument :

MSVOA\_W

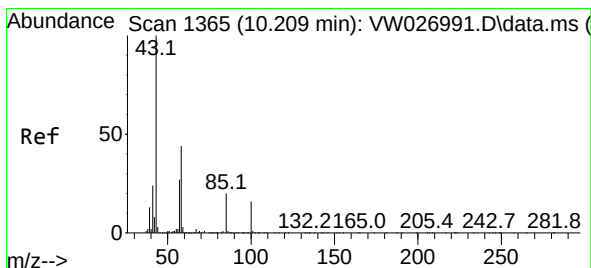
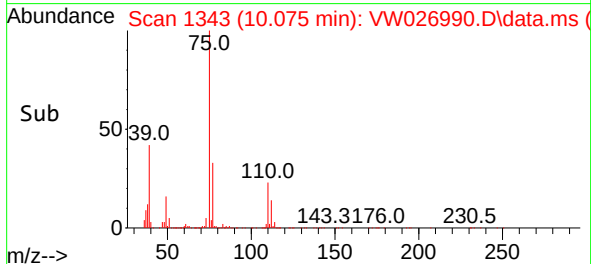
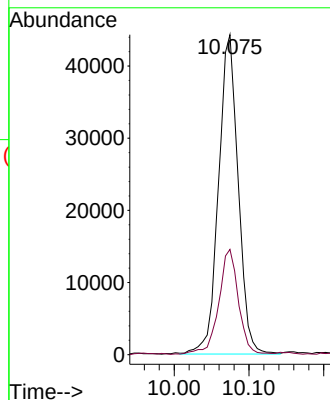
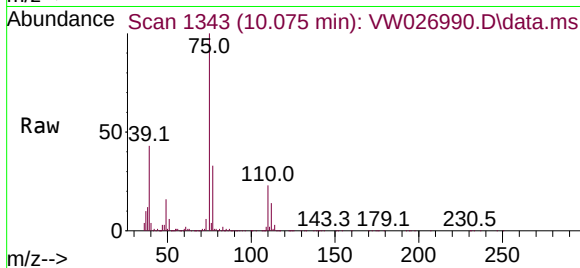
ClientSampleId :

Tgt Ion: 75 Resp: 81037

Ion Ratio Lower Upper

75 100

77 32.9 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 8.794 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

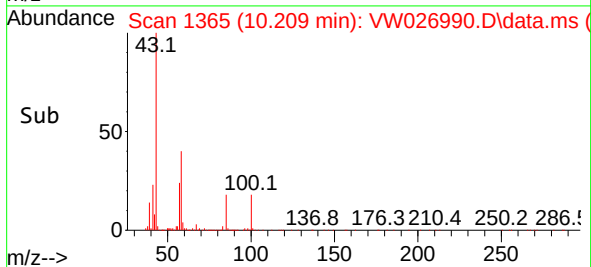
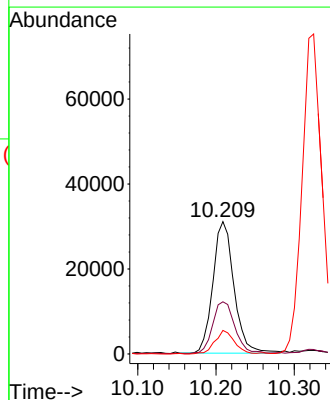
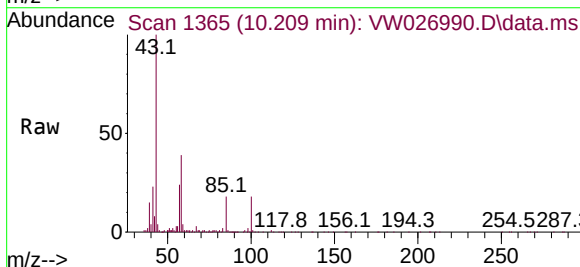
Tgt Ion: 43 Resp: 57956

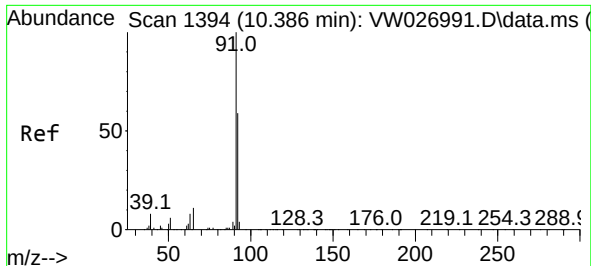
Ion Ratio Lower Upper

43 100

58 41.3 33.4 50.2

100 16.5 13.0 19.4

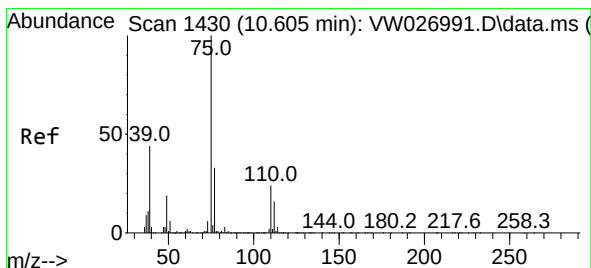
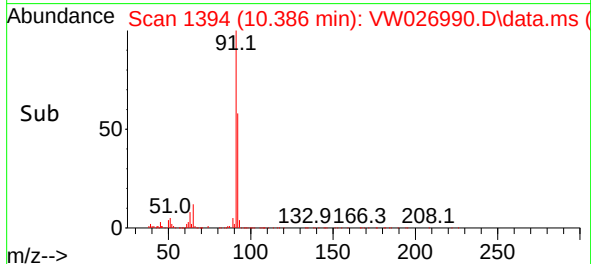
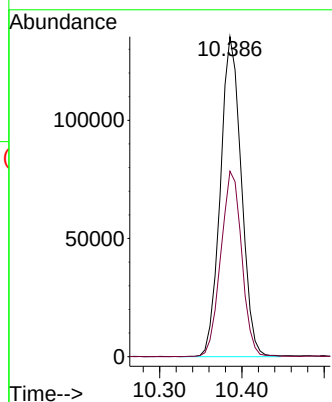
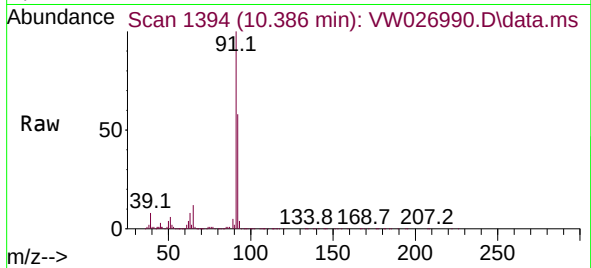




#42  
Toluene  
Concen: 4.650 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

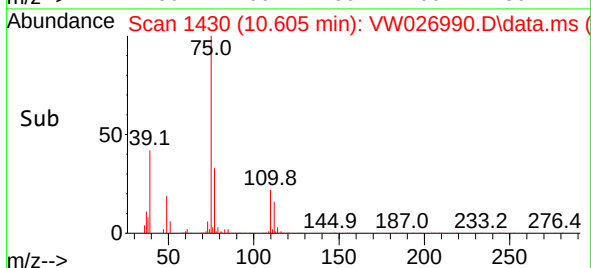
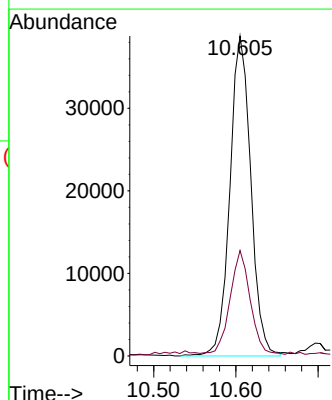
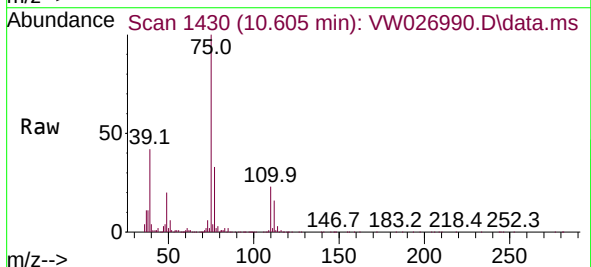
Instrument :  
MSVOA\_W  
ClientSampleId :

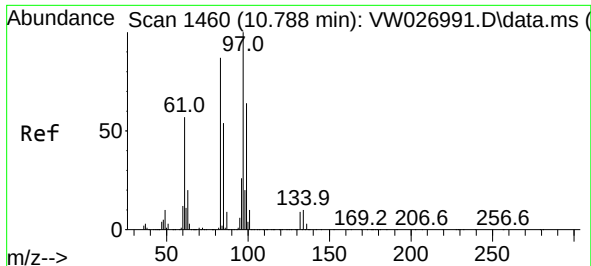
Tgt Ion: 91 Resp: 239366  
Ion Ratio Lower Upper  
91 100  
92 57.9 41.6 77.2



#44  
trans-1,3-Dichloropropene  
Concen: 4.460 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Tgt Ion: 75 Resp: 68634  
Ion Ratio Lower Upper  
75 100  
77 33.0 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 4.802 ug/L

RT: 10.782 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 44160

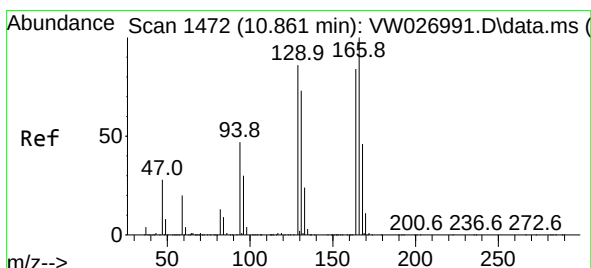
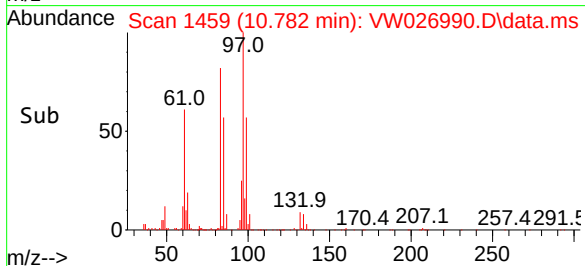
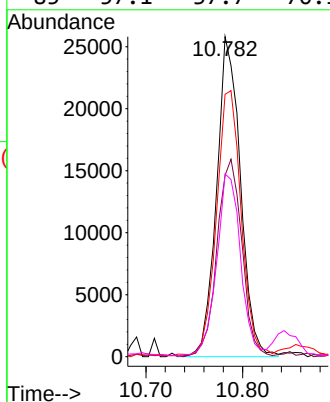
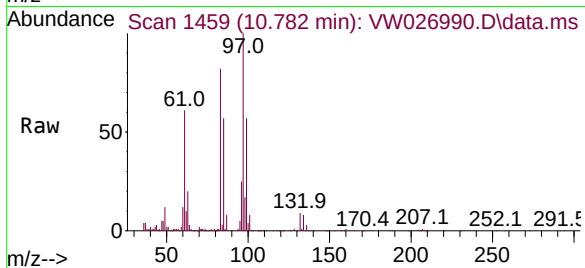
Ion Ratio Lower Upper

97 100

99 56.7 44.7 82.9

83 82.0 60.9 113.1

85 57.1 37.7 70.1



#46

Tetrachloroethene

Concen: 4.746 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

Tgt Ion:164 Resp: 46567

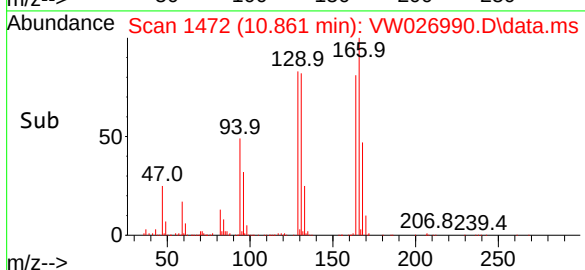
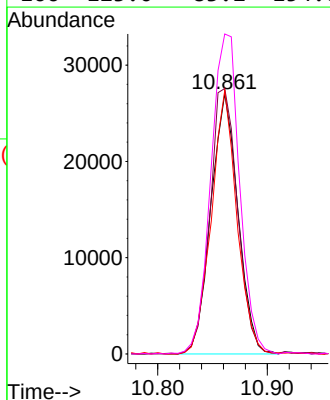
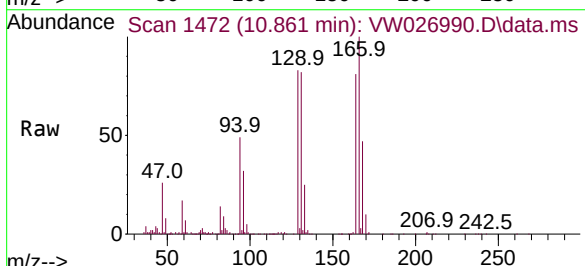
Ion Ratio Lower Upper

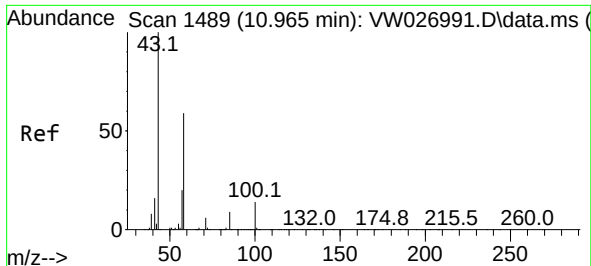
164 100

129 102.0 71.4 132.6

131 101.4 60.8 113.0

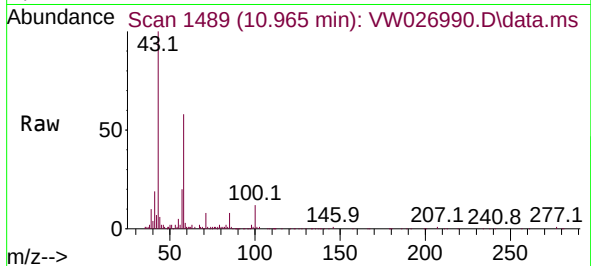
166 123.0 83.2 154.6



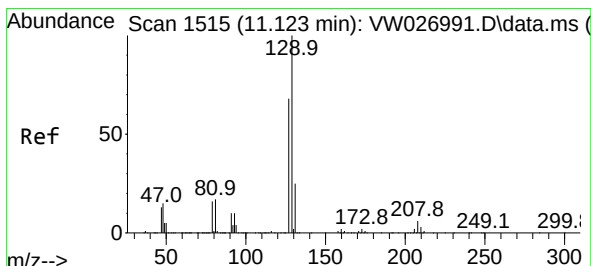
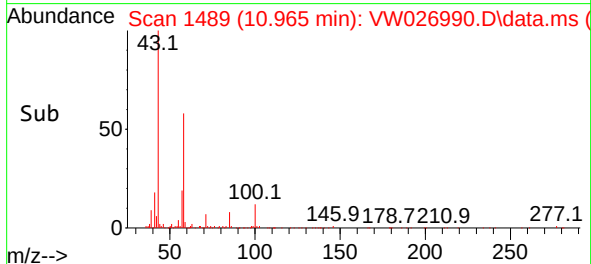
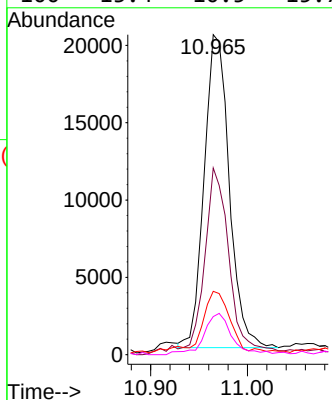


#48  
2-Hexanone  
Concen: 8.352 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :

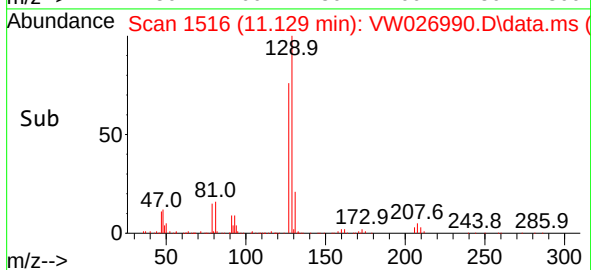
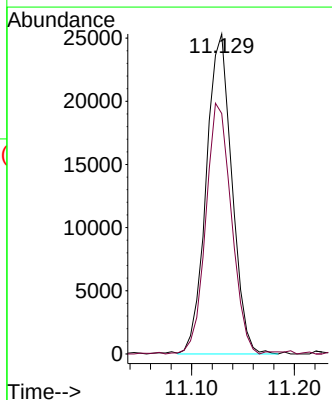
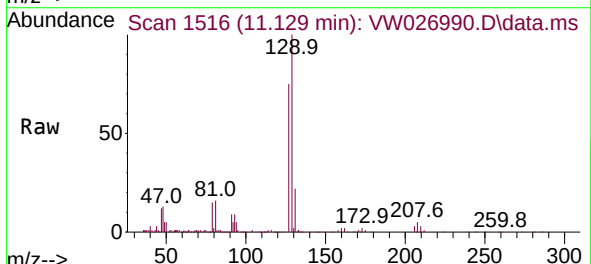


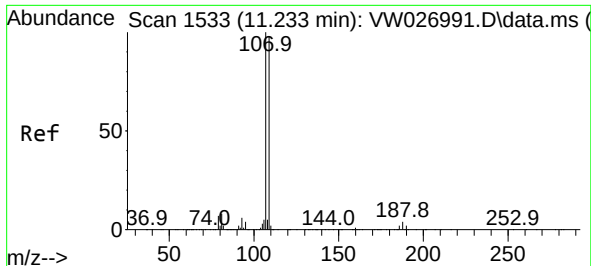
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 36620 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 56.7  | 47.5  | 71.3  |
| 57       | 19.6  | 15.2  | 22.8  |
| 100      | 13.4  | 10.5  | 15.7  |



#49  
Dibromochloromethane  
Concen: 4.637 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 43921 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 75.1  | 47.5  | 88.3  |





#50

1,2-Dibromoethane

Concen: 4.860 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

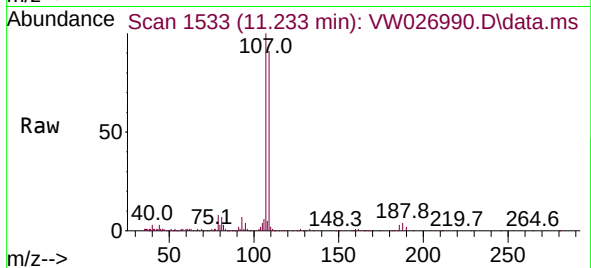
Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

Instrument :

MSVOA\_W

ClientSampleId :



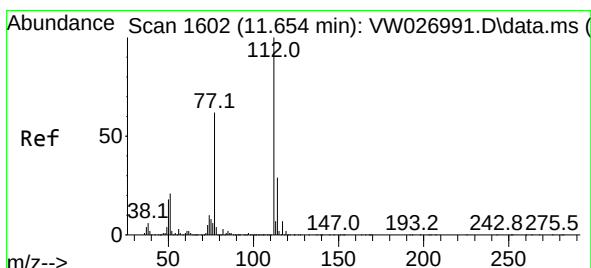
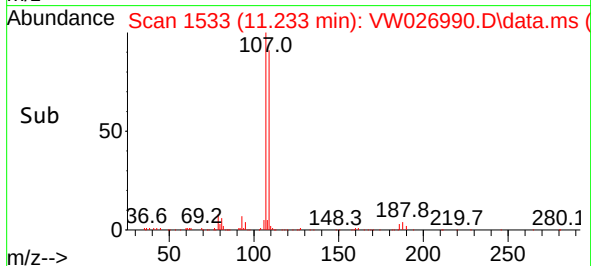
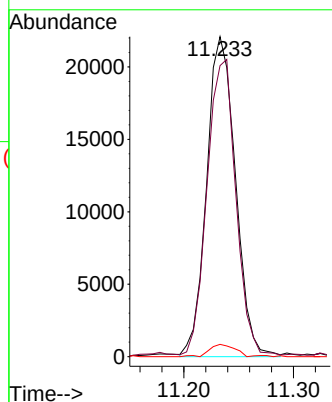
Tgt Ion:107 Resp: 40460

Ion Ratio Lower Upper

107 100

109 90.9 68.5 127.1

188 3.9 2.9 4.3



#51

Chlorobenzene

Concen: 4.682 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

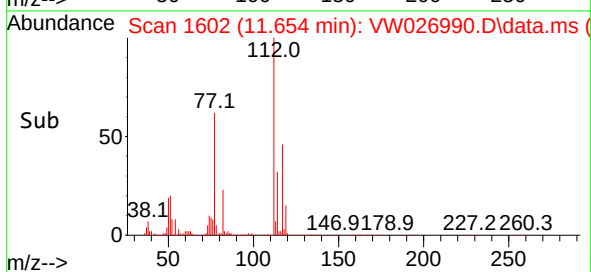
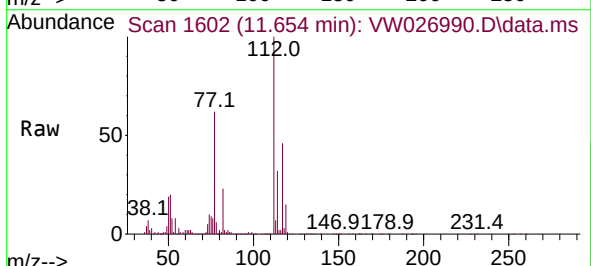
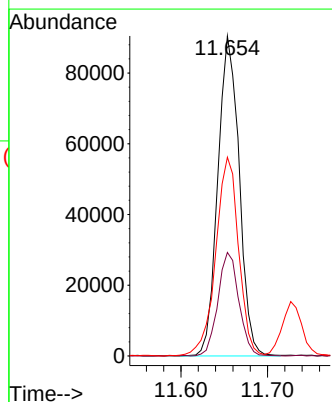
Tgt Ion:112 Resp: 155230

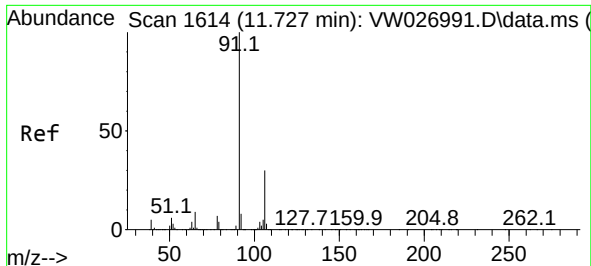
Ion Ratio Lower Upper

112 100

114 32.4 20.5 38.1

77 62.1 49.5 74.3

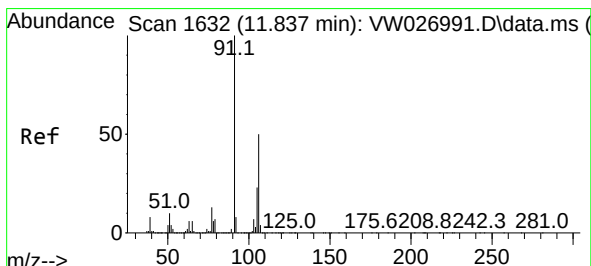
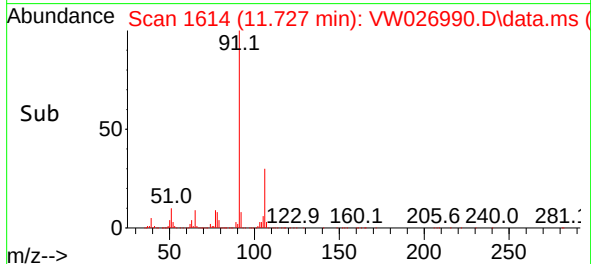
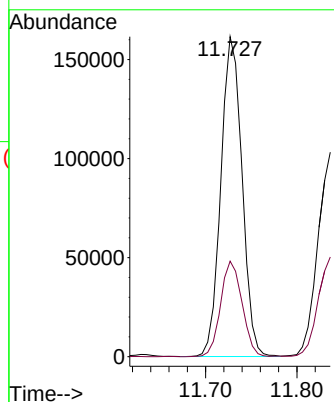
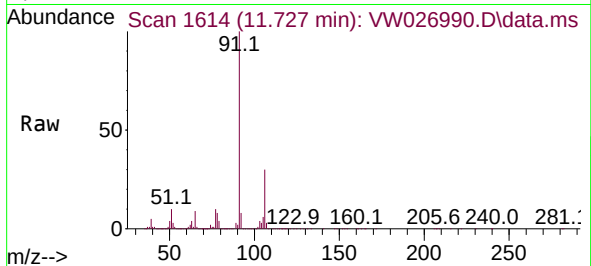




#52  
Ethylbenzene  
Concen: 4.562 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

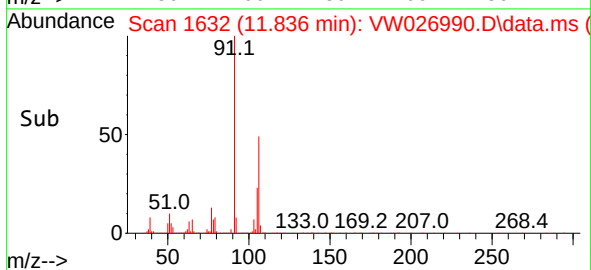
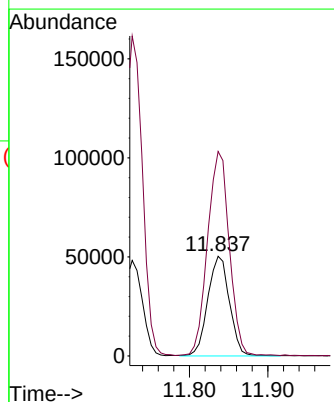
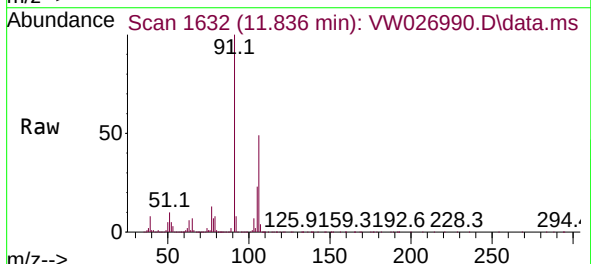
Instrument :  
MSVOA\_W  
ClientSampleId :

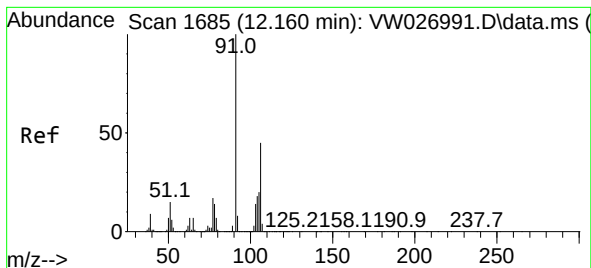
Tgt Ion: 91 Resp: 260364  
Ion Ratio Lower Upper  
91 100  
106 29.8 21.1 39.3



#53  
m,p-Xylene  
Concen: 4.467 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Tgt Ion: 106 Resp: 96429  
Ion Ratio Lower Upper  
106 100  
91 205.0 139.6 259.2





#54

o-Xylene

Concen: 4.445 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

Instrument :

MSVOA\_W

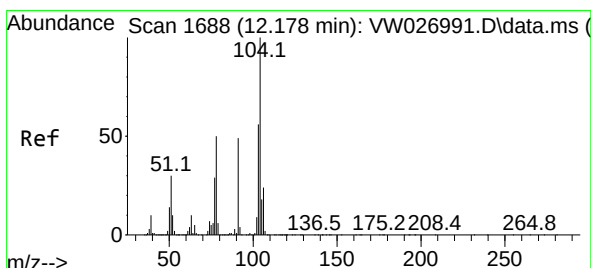
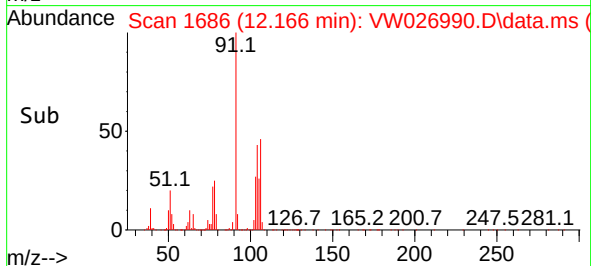
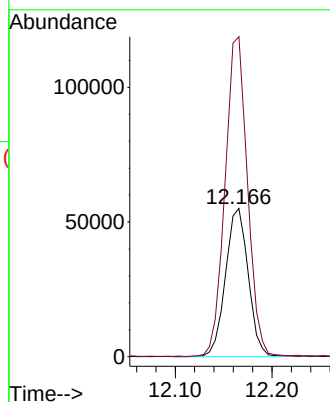
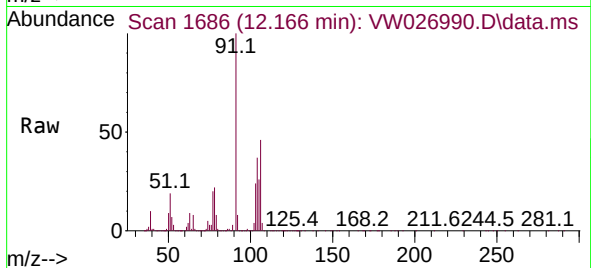
ClientSampleId :

Tgt Ion:106 Resp: 89780

Ion Ratio Lower Upper

106 100

91 216.0 154.0 286.0



#55

Styrene

Concen: 4.479 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW026990.D

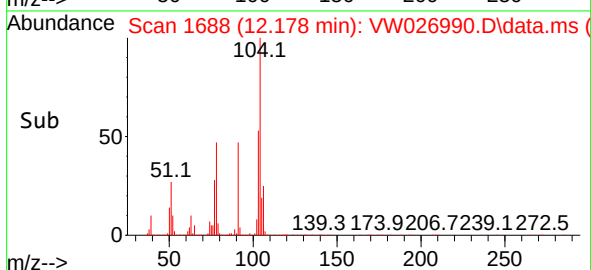
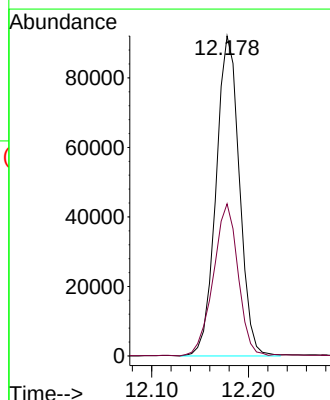
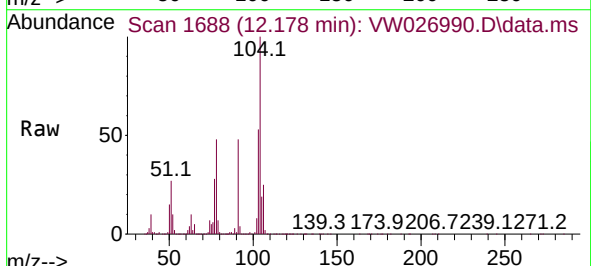
Acq: 05 Sep 2023 10:22

Tgt Ion:104 Resp: 154419

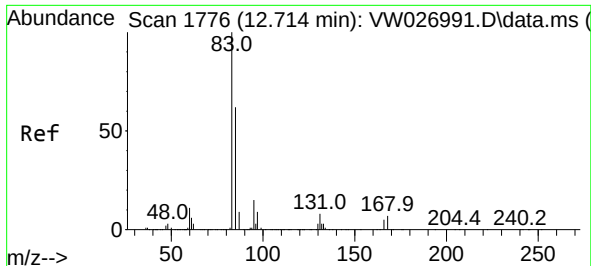
Ion Ratio Lower Upper

104 100

78 47.5 35.2 65.4







#57

1,1,2,2-Tetrachloroethane

Concen: 4.670 ug/L

RT: 12.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026990.D

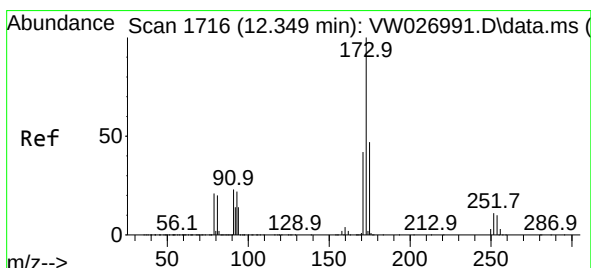
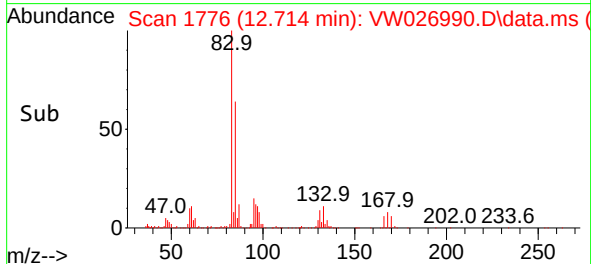
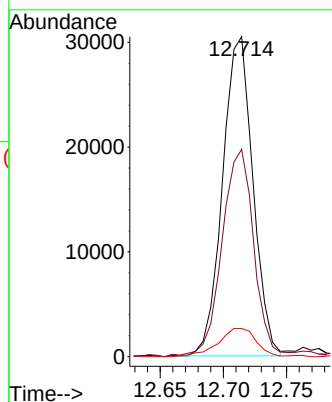
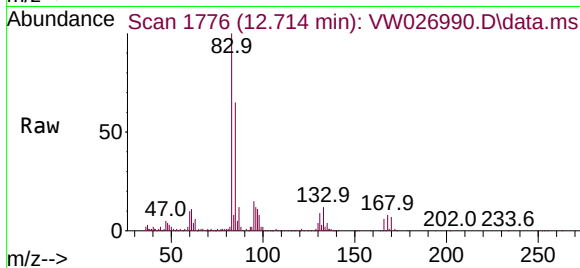
Acq: 05 Sep 2023 10:22

Instrument :

MSVOA\_W

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 50813 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 64.8     | 44.1 81.9   |
| 131 8.8     | 7.2 10.8    |



#59

Bromoform

Concen: 4.625 ug/L

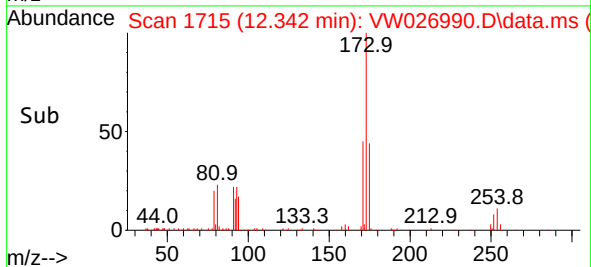
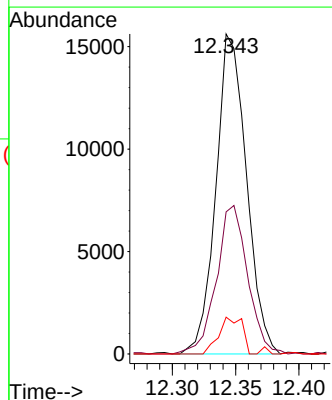
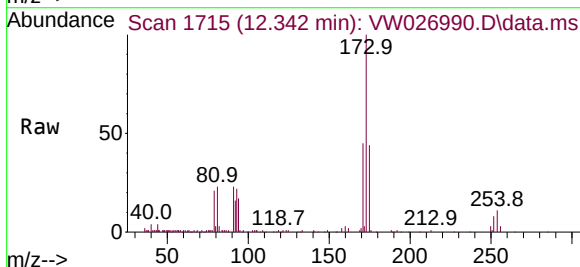
RT: 12.342 min Scan# 1715

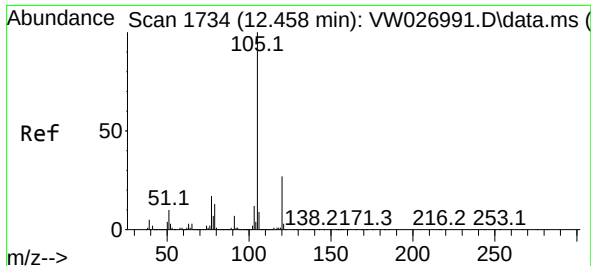
Delta R.T. -0.006 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

|              |             |
|--------------|-------------|
| Tgt Ion: 173 | Resp: 26241 |
| Ion Ratio    | Lower Upper |
| 173 100      |             |
| 175 47.3     | 36.6 54.8   |
| 254 8.8      | 8.5 12.7    |

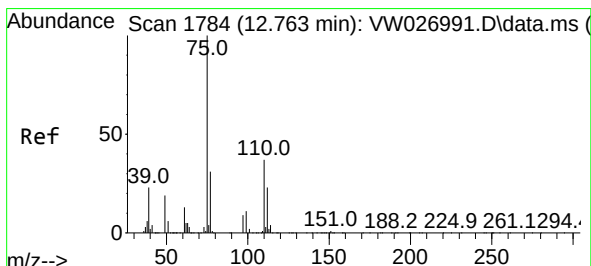
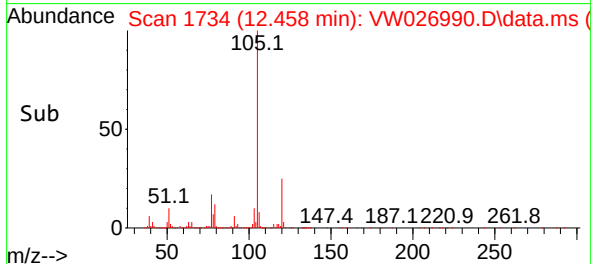
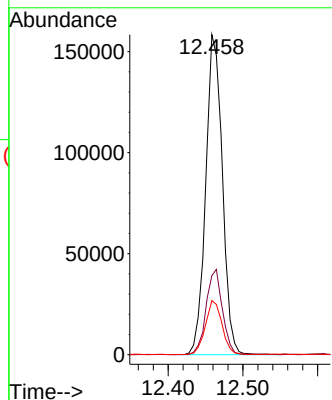
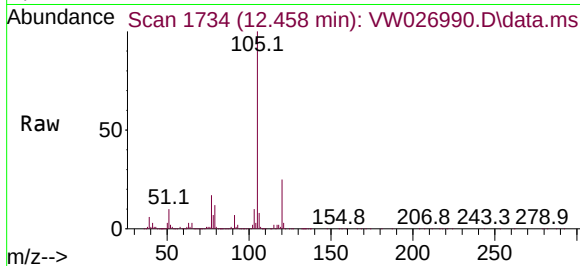




#60  
Isopropylbenzene  
Concen: 4.478 ug/L  
RT: 12.458 min Scan# 1734  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

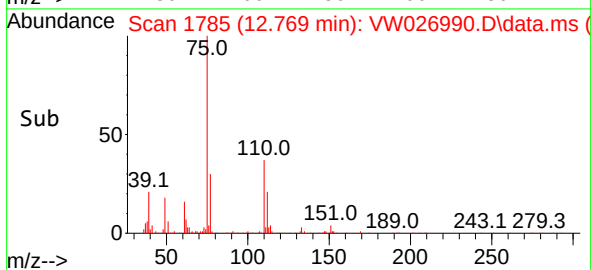
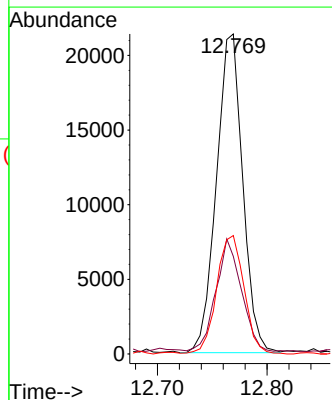
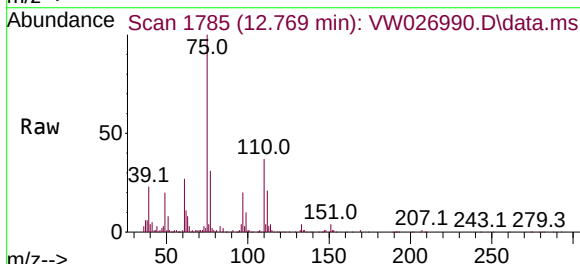
Instrument :  
MSVOA\_W  
ClientSampleId :

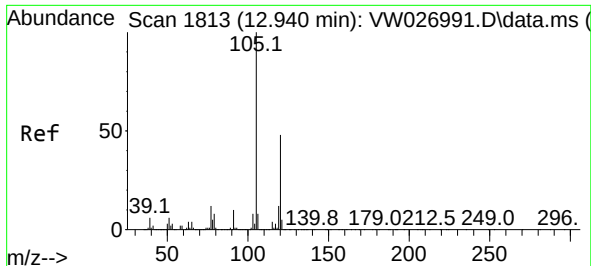
Tgt Ion:105 Resp: 244720  
Ion Ratio Lower Upper  
105 100  
120 26.0 21.4 32.0  
77 16.9 12.8 19.2



#61  
1,2,3-Trichloropropane  
Concen: 4.669 ug/L  
RT: 12.769 min Scan# 1785  
Delta R.T. 0.006 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Tgt Ion: 75 Resp: 35635  
Ion Ratio Lower Upper  
75 100  
77 33.9 26.3 39.5  
110 38.7 30.5 45.7

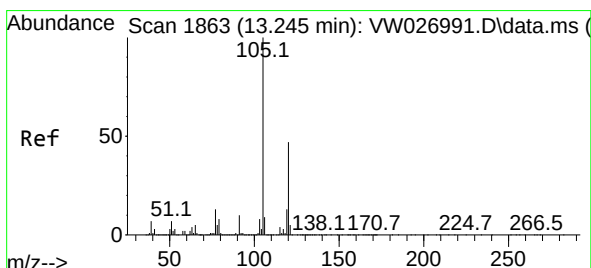
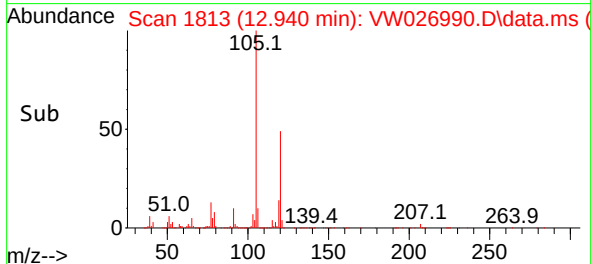
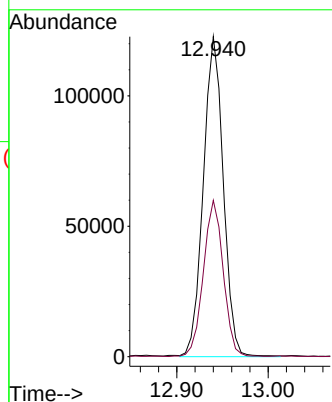
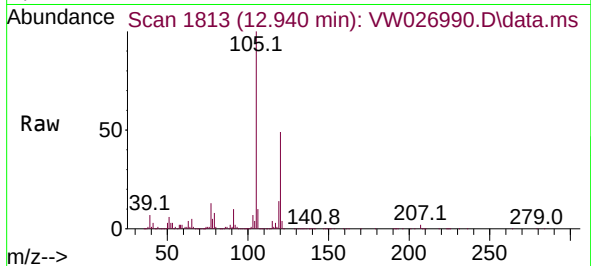




#62  
1,3,5-Trimethylbenzene  
Concen: 4.273 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

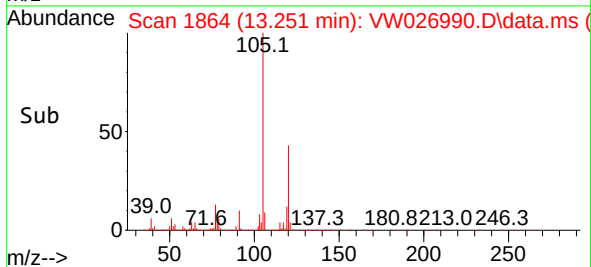
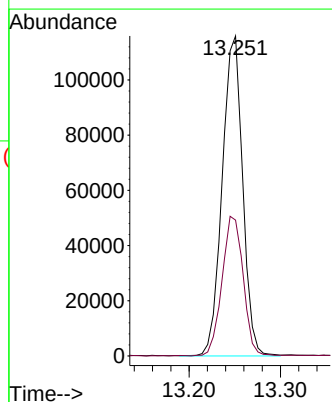
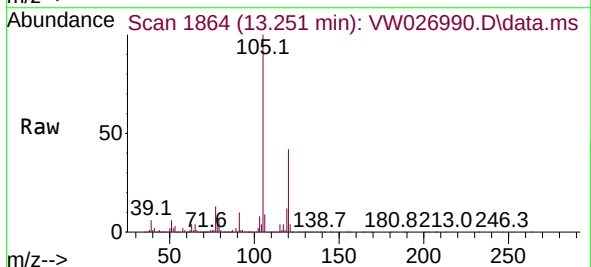
Instrument :  
MSVOA\_W  
ClientSampleId :

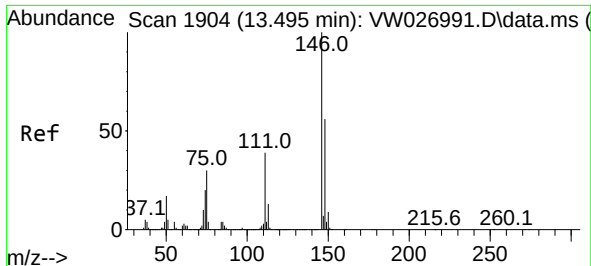
Tgt Ion:105 Resp: 186330  
Ion Ratio Lower Upper  
105 100  
120 48.5 39.0 58.6



#63  
1,2,4-Trimethylbenzene  
Concen: 4.236 ug/L  
RT: 13.251 min Scan# 1864  
Delta R.T. 0.006 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Tgt Ion:105 Resp: 180614  
Ion Ratio Lower Upper  
105 100  
120 45.1 36.3 54.5

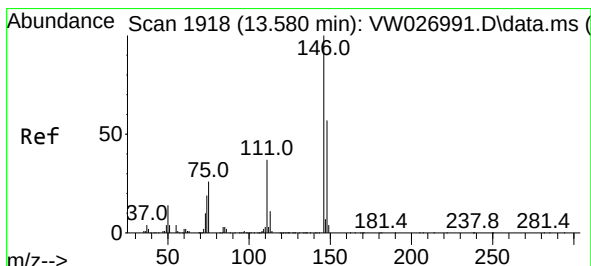
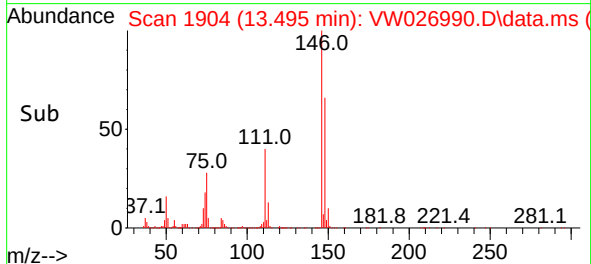
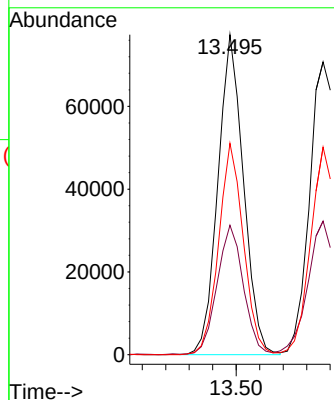
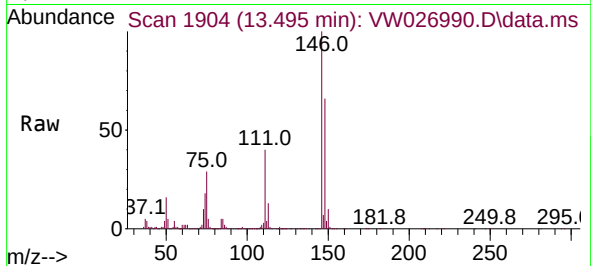




#64  
1,3-Dichlorobenzene  
Concen: 4.699 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

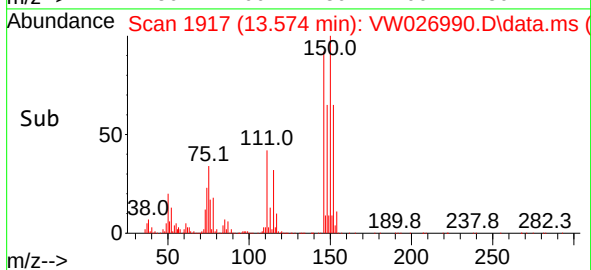
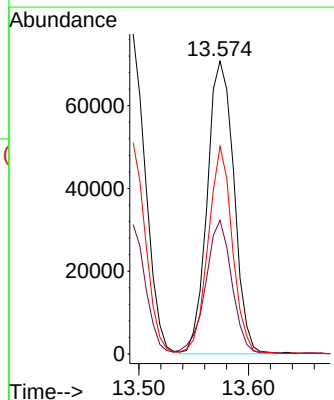
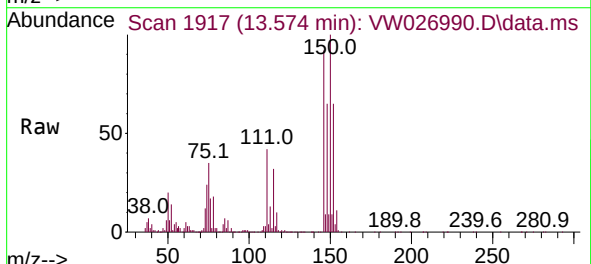
Instrument :  
MSVOA\_W  
ClientSampleId :

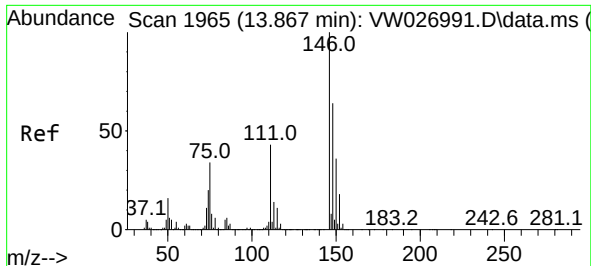
Tgt Ion:146 Resp: 116826  
Ion Ratio Lower Upper  
146 100  
111 40.4 26.9 50.1  
148 66.1 39.2 72.8



#65  
1,4-Dichlorobenzene  
Concen: 4.743 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.006 min  
Lab File: VW026990.D  
Acq: 05 Sep 2023 10:22

Tgt Ion:146 Resp: 119838  
Ion Ratio Lower Upper  
146 100  
111 45.6 25.8 47.8  
148 70.9 40.0 74.2





#67

1,2-Dichlorobenzene

Concen: 4.550 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

Instrument :

MSVOA\_W

ClientSampleId :

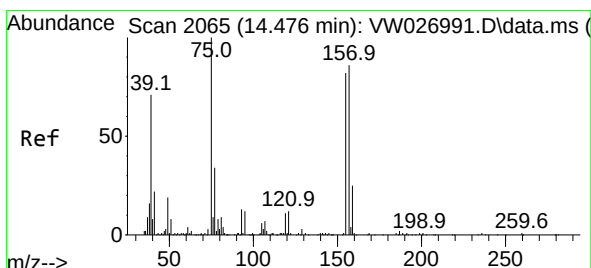
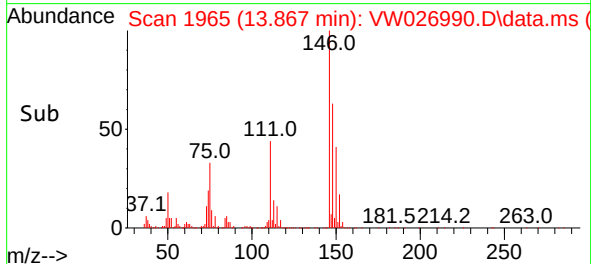
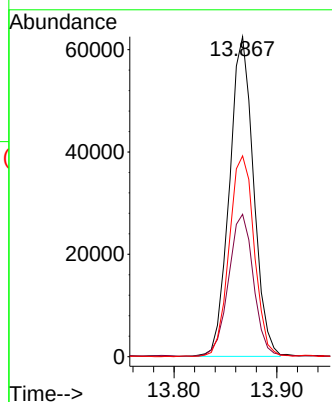
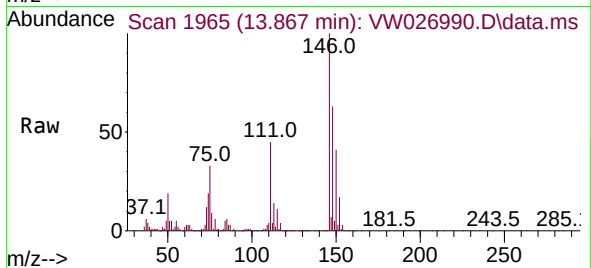
Tgt Ion:146 Resp: 101914

Ion Ratio Lower Upper

146 100

111 44.5 34.0 51.0

148 62.8 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.801 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

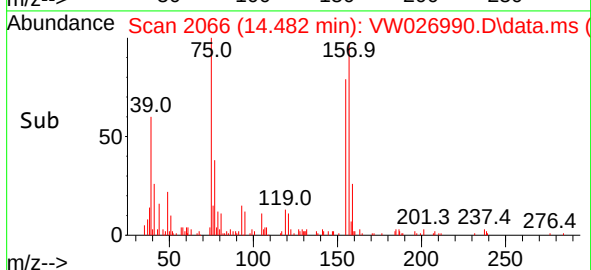
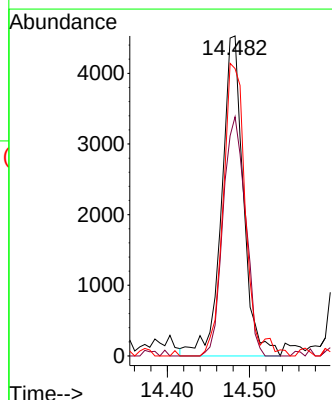
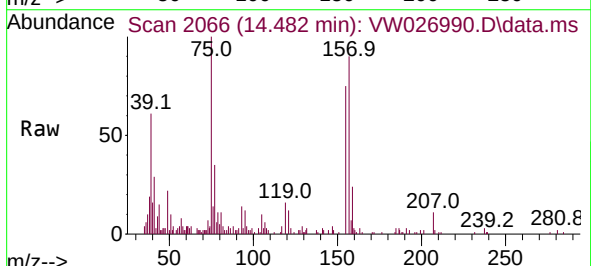
Tgt Ion: 75 Resp: 8309

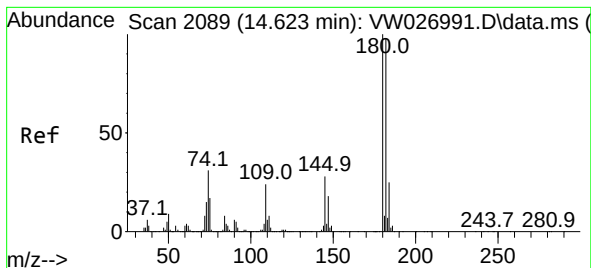
Ion Ratio Lower Upper

75 100

155 74.8 65.9 98.9

157 89.8 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 4.745 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

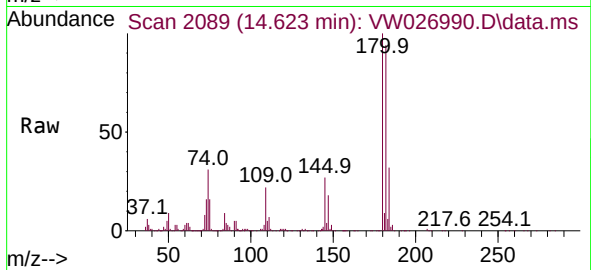
Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 81947

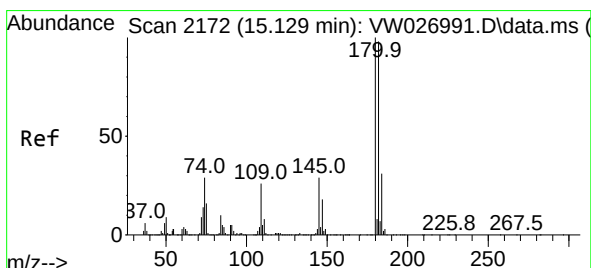
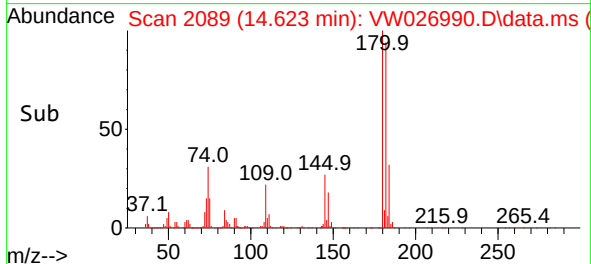
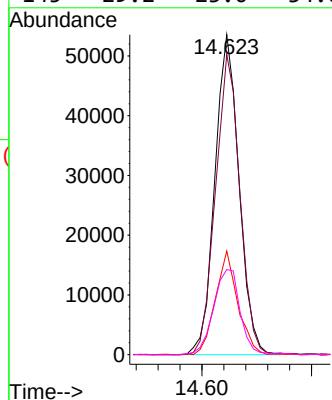
Ion Ratio Lower Upper

180 100

182 94.2 73.6 110.4

184 30.0 23.6 35.4

145 29.2 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 4.567 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

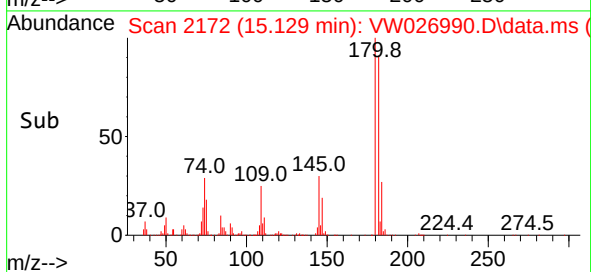
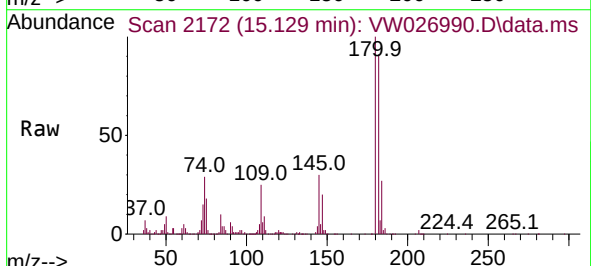
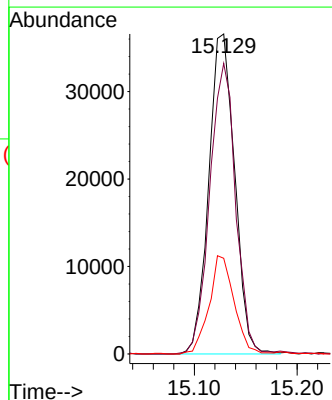
Tgt Ion:180 Resp: 64227

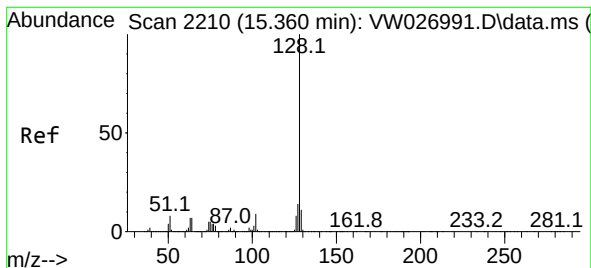
Ion Ratio Lower Upper

180 100

182 90.3 81.0 121.6

145 29.5 24.8 37.2





#71

Naphthalene

Concen: 3.905 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

Instrument :

MSVOA\_W

ClientSampleId :

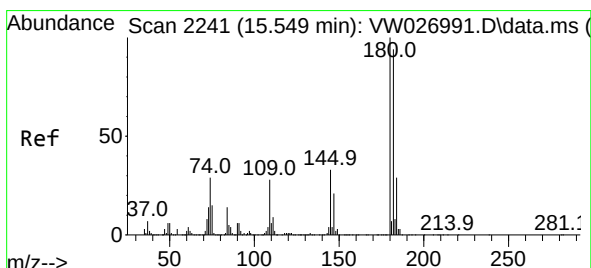
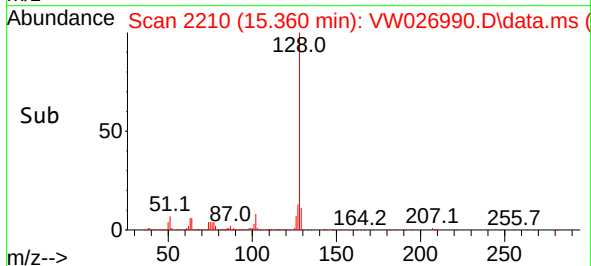
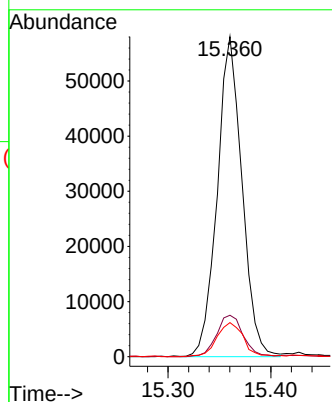
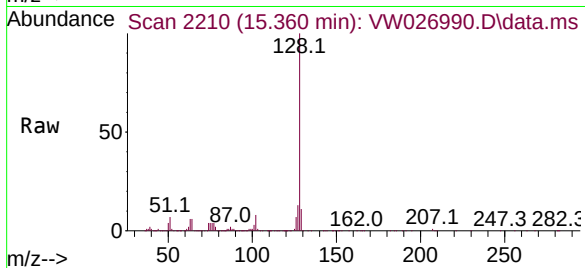
Tgt Ion:128 Resp: 97162

Ion Ratio Lower Upper

128 100

127 13.9 10.9 16.3

129 11.5 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 4.645 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026990.D

Acq: 05 Sep 2023 10:22

Tgt Ion:180 Resp: 59208

Ion Ratio Lower Upper

180 100

182 97.1 76.2 114.4

145 33.3 25.6 38.4

