

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
 Data File : VW030046.D  
 Acq On : 27 Aug 2024 15:57  
 Operator : SY/MD  
 Sample : P3675-21MSD  
 Misc : 5.94g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 28 01:16:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 28 01:11:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 315348   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 275374   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 111420   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 85730    | 18.268   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 73.080%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 59194    | 17.773   | ug/L   | -0.01    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 71.080%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 37446    | 18.677   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 74.720%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 49126    | 52.515   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 105.020% |
| 24) Chloroform-d              | 7.648  | 84    | 166955   | 19.632   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 78.520%  |
| 26) 1,2-Dichloroethane-d4     | 8.306  | 65    | 91412    | 21.169   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 84.680%  |
| 32) Benzene-d6                | 8.270  | 84    | 331324   | 20.384   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 81.520%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 105432   | 22.139   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 88.560%  |
| 41) Toluene-d8                | 10.324 | 98    | 297304   | 20.095   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 80.400%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 44192    | 22.559   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 90.240%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 45323    | 62.184   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 124.360% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 87590    | 24.981   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 99.920%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 77823    | 19.310   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 77.240%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.009  | 85    | 56412    | 15.554   | ug/L   | 99       |
| 3) Chloromethane              | 2.222  | 50    | 80011    | 18.977   | ug/L   | 95       |
| 5) Vinyl chloride             | 2.375  | 62    | 86463    | 17.350   | ug/L   | 95       |
| 6) Bromomethane               | 2.789  | 94    | 52808    | 17.051   | ug/L   | 93       |
| 8) Chloroethane               | 2.929  | 64    | 50065    | 17.434   | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 76303    | 17.681   | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 70858    | 17.529   | ug/L   | 98       |
| 13) Acetone                   | 4.136  | 43    | 58046    | 67.840   | ug/L   | 96       |
| 14) Carbon disulfide          | 4.393  | 76    | 240605   | 19.188   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.673  | 43    | 38051    | 22.809   | ug/L   | 96       |
| 16) Methylene chloride        | 4.917  | 84    | 91916    | 17.644   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 79239    | 17.725   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 141895   | 20.755   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.215  | 63    | 158208   | 19.045   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.166  | 96    | 88568    | 17.926   | ug/L   | 94       |
| 22) 2-Butanone                | 7.173  | 43    | 54394    | 44.426   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.520  | 128   | 38837    | 18.532   | ug/L   | 93       |
| 25) Chloroform                | 7.672  | 83    | 156399   | 18.407   | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 8.398  | 62    | 107925   | 19.843   | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
 Data File : VW030046.D  
 Acq On : 27 Aug 2024 15:57  
 Operator : SY/MD  
 Sample : P3675-21MSD  
 Misc : 5.94g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 28 01:16:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 28 01:11:30 2024  
 Response via : Initial Calibration

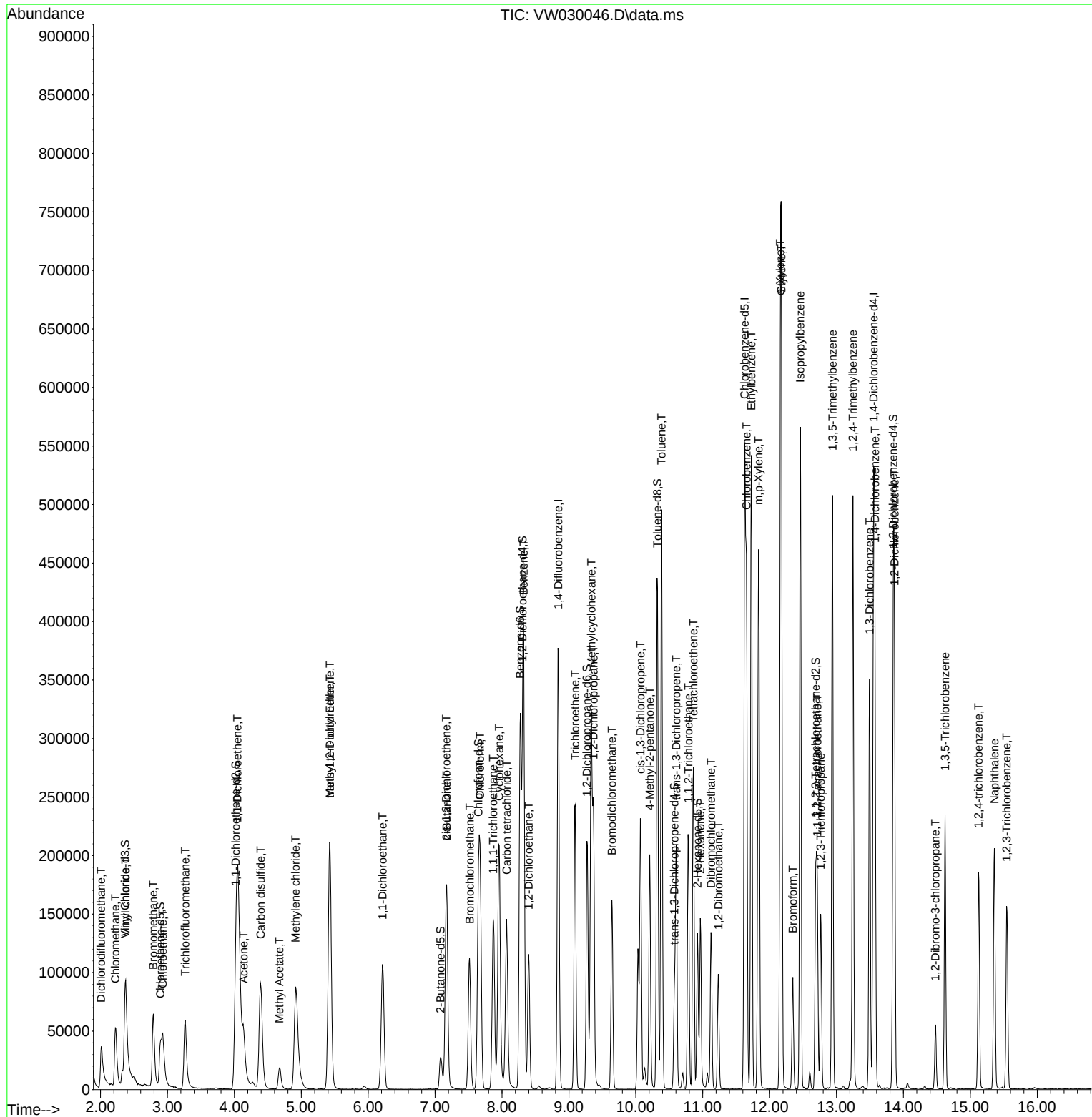
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 29) Cyclohexane               | 7.959  | 56   | 128884   | 19.383 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 121326   | 18.811 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 108602   | 18.742 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 345914   | 19.606 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 88715    | 18.674 | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.337  | 83   | 127895   | 16.437 | ug/L  | 94       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 92593    | 20.725 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 112959   | 20.038 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.068 | 75   | 140658   | 20.455 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 130552   | 58.702 | ug/L  | 96       |
| 42) Toluene                   | 10.385 | 91   | 355042   | 18.896 | ug/L  | 95       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 118334   | 21.266 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 68276    | 20.850 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 62652    | 17.375 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 92978    | 58.809 | ug/L  | 94       |
| 49) Dibromochloromethane      | 11.123 | 129  | 72299    | 20.779 | ug/L  | 92       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 67491    | 22.064 | ug/L  | 96       |
| 51) Chlorobenzene             | 11.653 | 112  | 216755   | 18.042 | ug/L  | 96       |
| 52) Ethylbenzene              | 11.727 | 91   | 381113   | 17.902 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.836 | 106  | 139301   | 17.534 | ug/L  | 94       |
| 54) o-Xylene                  | 12.159 | 106  | 136273   | 17.871 | ug/L  | 99       |
| 55) Styrene                   | 12.178 | 104  | 231670   | 18.133 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 87102    | 23.620 | ug/L  | 98       |
| 59) Bromoform                 | 12.348 | 173  | 40796    | 24.587 | ug/L  | 96       |
| 60) Isopropylbenzene          | 12.458 | 105  | 363963   | 20.475 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 62967    | 27.794 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 268397   | 20.307 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 263040   | 18.881 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 138564   | 18.285 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 140239   | 18.319 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.866 | 146  | 127196   | 18.763 | ug/L  | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 14360    | 29.611 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 66002    | 13.340 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.122 | 180  | 57789    | 13.496 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 172220   | 21.062 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 51884    | 13.804 | ug/L  | 99       |

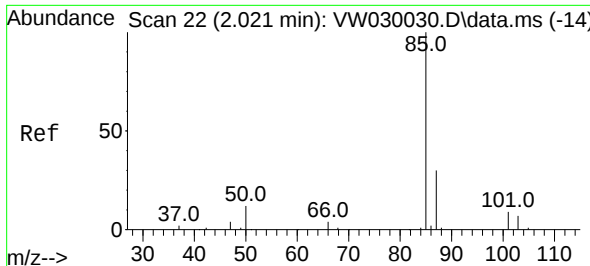
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030046.D  
Acq On : 27 Aug 2024 15:57  
Operator : SY/MD  
Sample : P3675-21MSD  
Misc : 5.94g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Aug 28 01:16:05 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.M  
Quant Title : SFAM01.0  
QLast Update : Wed Aug 28 01:11:30 2024  
Response via : Initial Calibration

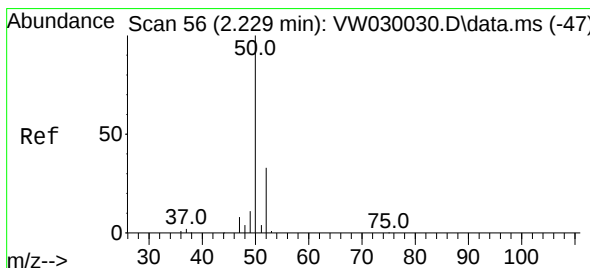
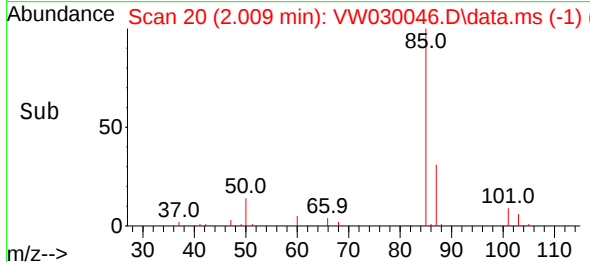
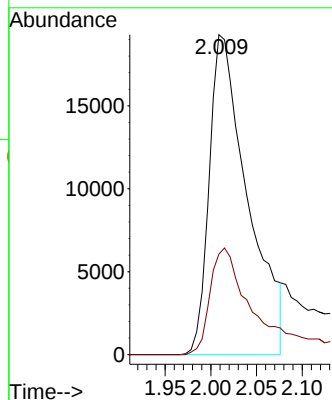
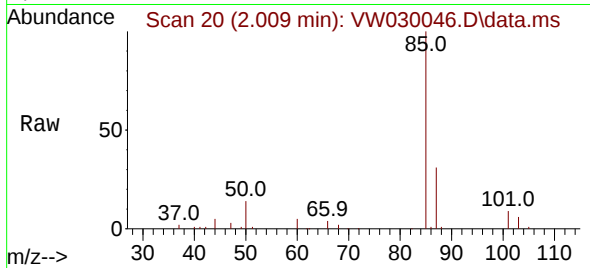




#2  
 Dichlorodifluoromethane  
 Concen: 15.554 ug/L  
 RT: 2.009 min Scan# 20  
 Delta R.T. -0.013 min  
 Lab File: VW030046.D  
 Acq: 27 Aug 2024 15:57

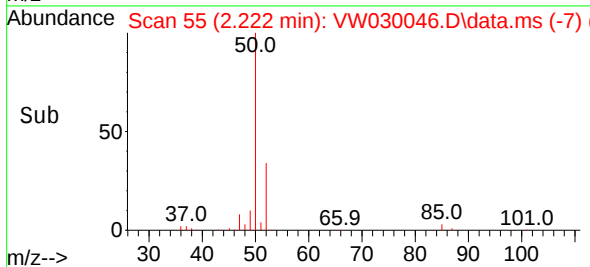
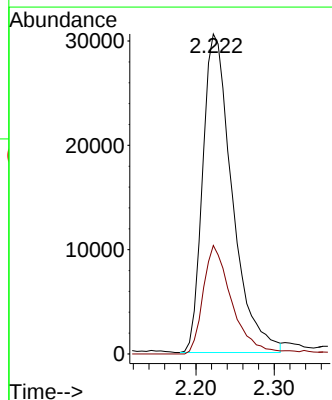
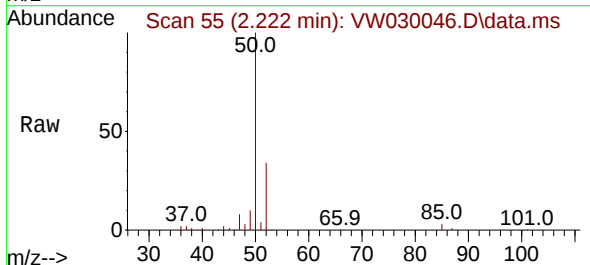
Instrument :  
 MSVOA\_W  
 ClientSampleId :

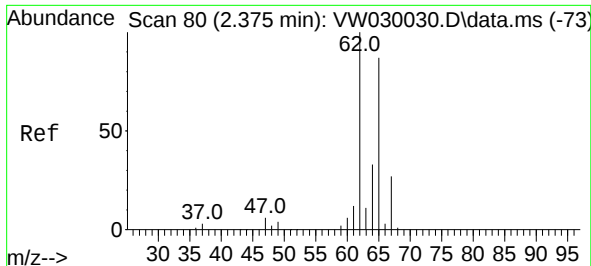
Tgt Ion: 85 Resp: 56412  
 Ion Ratio Lower Upper  
 85 100  
 87 31.0 24.2 36.2



#3  
 Chloromethane  
 Concen: 18.977 ug/L  
 RT: 2.222 min Scan# 55  
 Delta R.T. -0.007 min  
 Lab File: VW030046.D  
 Acq: 27 Aug 2024 15:57

Tgt Ion: 50 Resp: 80011  
 Ion Ratio Lower Upper  
 50 100  
 52 33.9 21.6 40.2

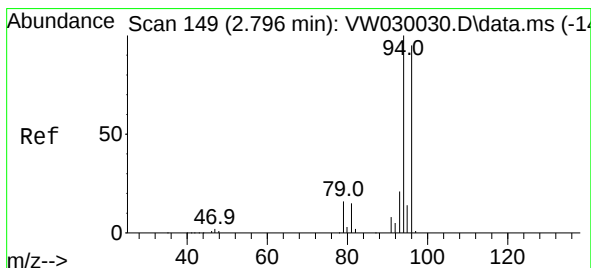
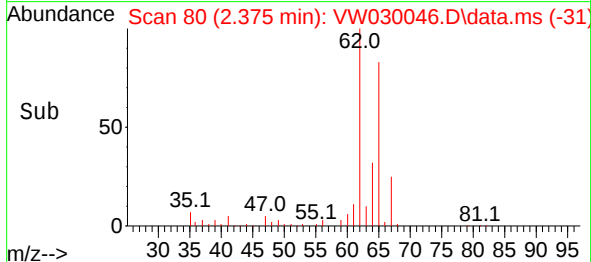
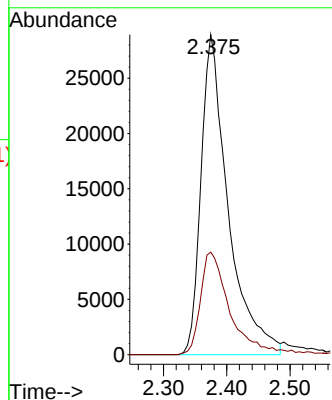
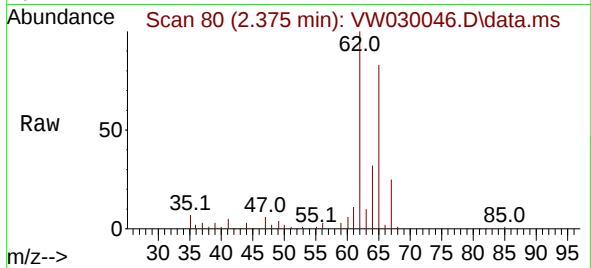




#5  
 Vinyl chloride  
 Concen: 17.350 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW030046.D  
 Acq: 27 Aug 2024 15:57

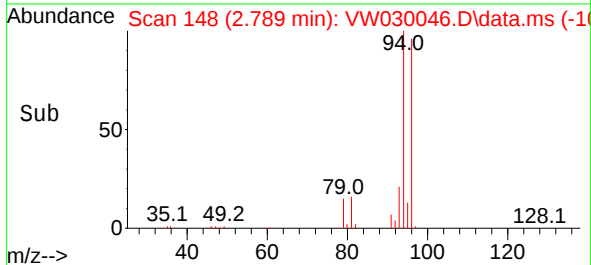
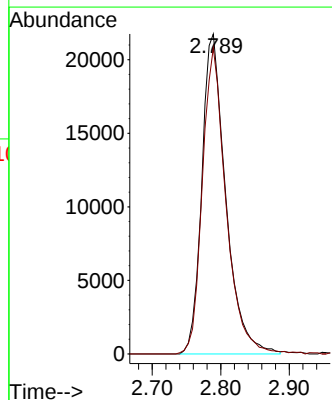
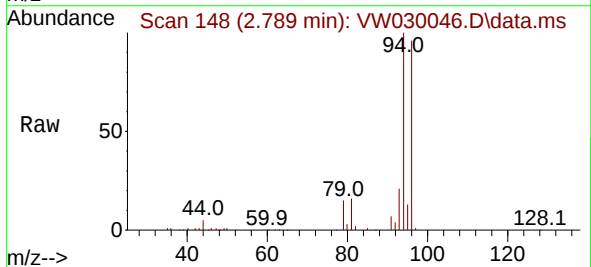
Instrument :  
 MSVOA\_W  
 ClientSampleId :

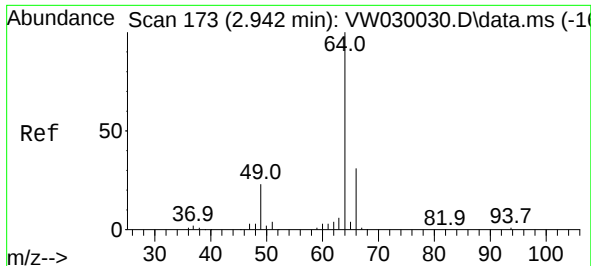
Tgt Ion: 62 Resp: 86463  
 Ion Ratio Lower Upper  
 62 100  
 64 32.1 24.4 45.4



#6  
 Bromomethane  
 Concen: 17.051 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.007 min  
 Lab File: VW030046.D  
 Acq: 27 Aug 2024 15:57

Tgt Ion: 94 Resp: 52808  
 Ion Ratio Lower Upper  
 94 100  
 96 95.7 62.4 115.8

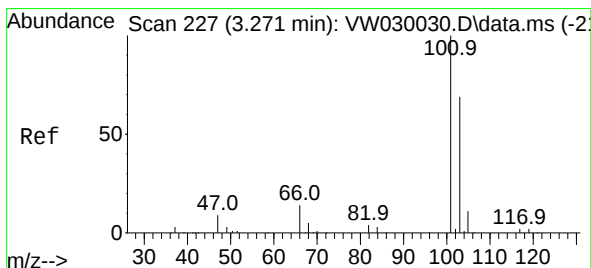
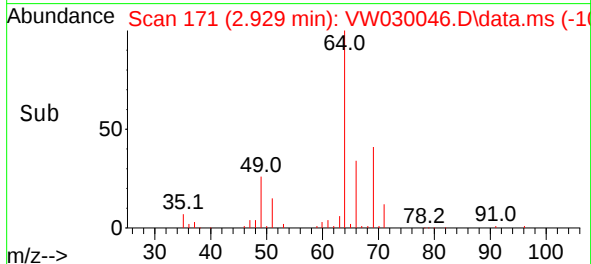
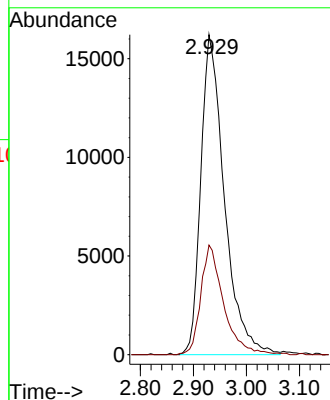
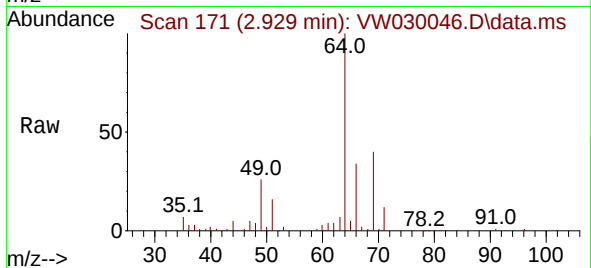




#8  
Chloroethane  
Concen: 17.434 ug/L  
RT: 2.929 min Scan# 173  
Delta R.T. -0.013 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

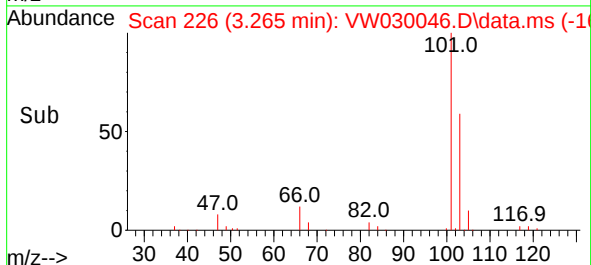
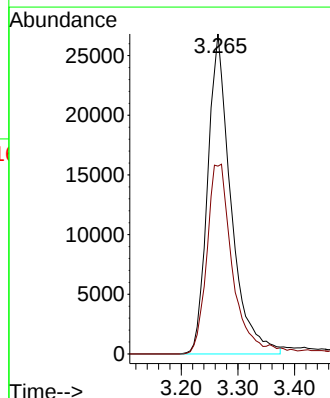
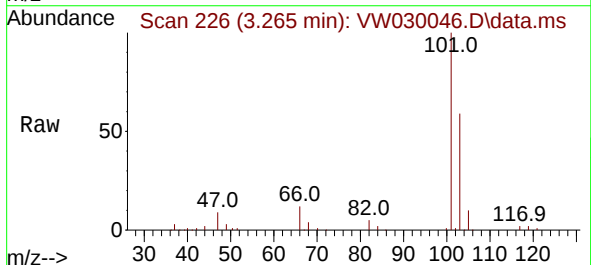
Instrument :  
MSVOA\_W  
ClientSampleId :

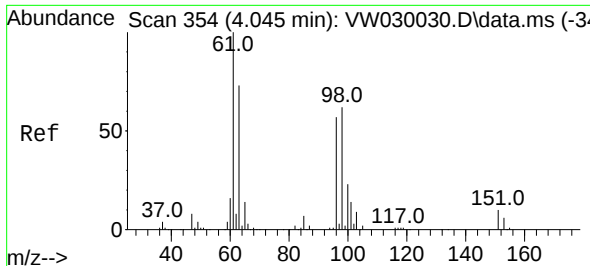
Tgt Ion: 64 Resp: 50065  
Ion Ratio Lower Upper  
64 100  
66 34.3 21.7 40.3



#9  
Trichlorofluoromethane  
Concen: 17.681 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.007 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

Tgt Ion:101 Resp: 76303  
Ion Ratio Lower Upper  
101 100  
103 63.6 50.7 76.1





#12

1,1-Dichloroethene

Concen: 17.529 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.000 min

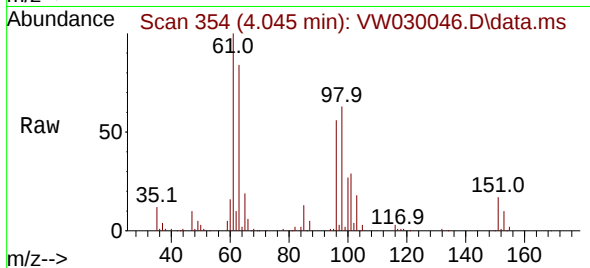
Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

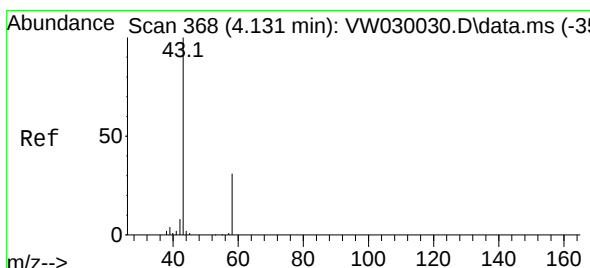
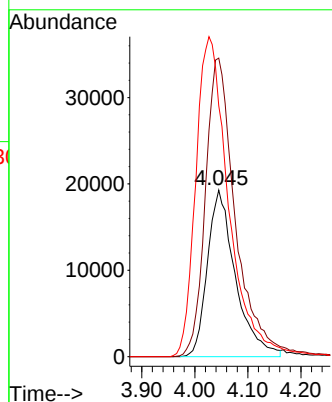
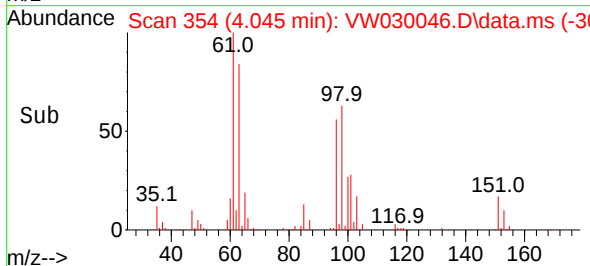
Instrument :

MSVOA\_W

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 70858 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 179.3 | 126.0 | 234.0 |
| 63       | 150.6 | 101.8 | 189.2 |



#13

Acetone

Concen: 67.840 ug/L

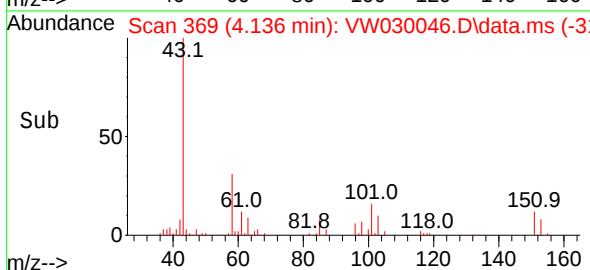
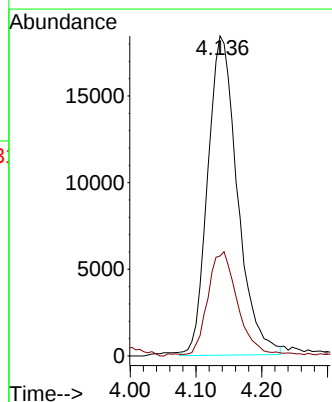
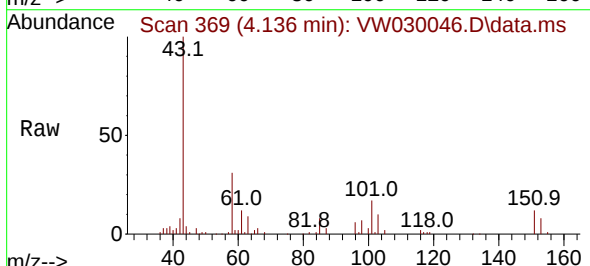
RT: 4.136 min Scan# 369

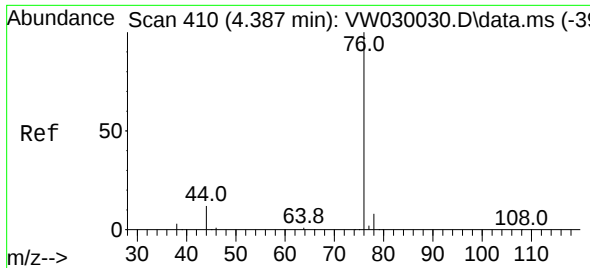
Delta R.T. 0.006 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 58046 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 31.2  | 0.0   | 66.4  |

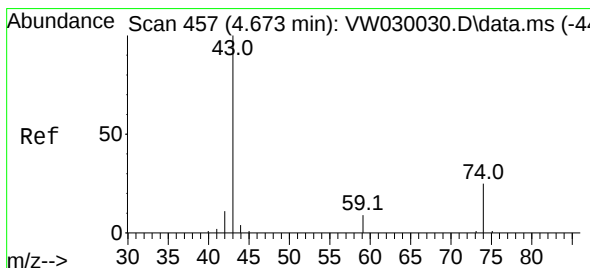
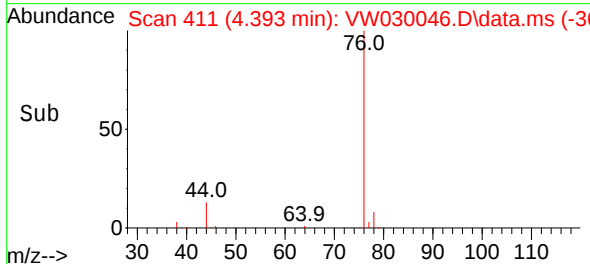
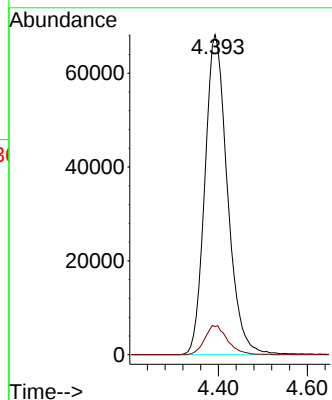
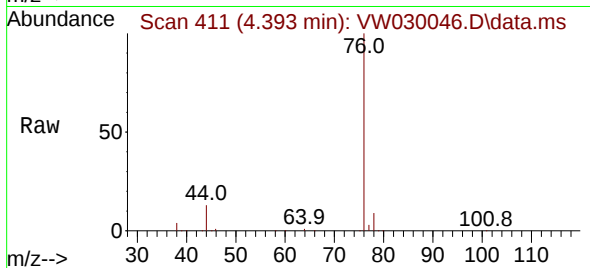




#14  
Carbon disulfide  
Concen: 19.188 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

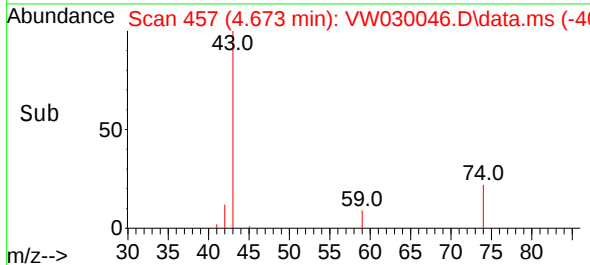
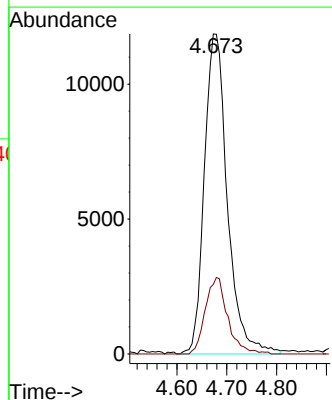
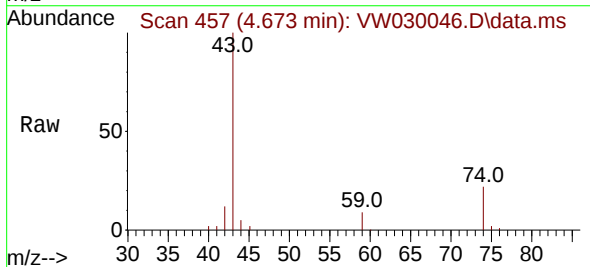
Instrument :  
MSVOA\_W  
ClientSampleId :

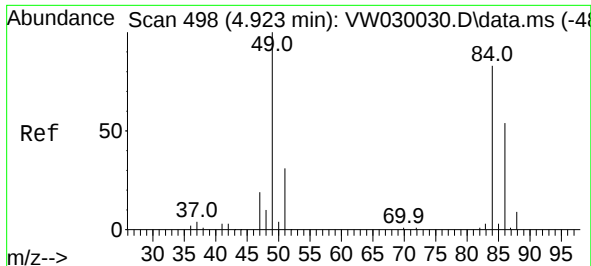
Tgt Ion: 76 Resp: 240605  
Ion Ratio Lower Upper  
76 100  
78 8.8 6.6 9.8



#15  
Methyl Acetate  
Concen: 22.809 ug/L  
RT: 4.673 min Scan# 457  
Delta R.T. -0.000 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

Tgt Ion: 43 Resp: 38051  
Ion Ratio Lower Upper  
43 100  
74 22.7 19.9 29.9

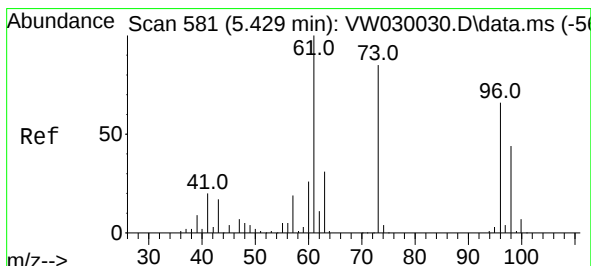
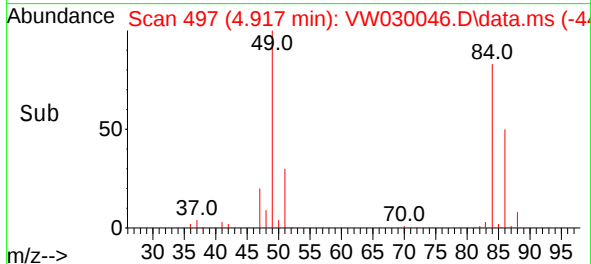
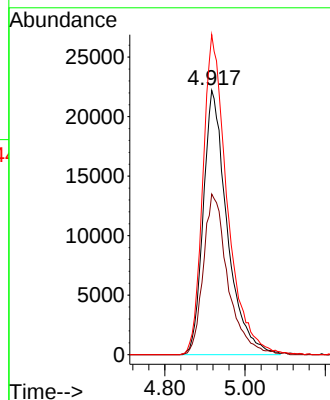
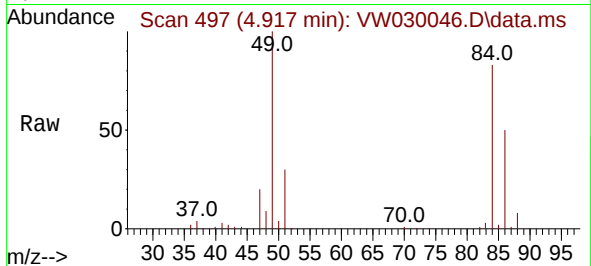




#16  
Methylene chloride  
Concen: 17.644 ug/L  
RT: 4.917 min Scan# 498  
Delta R.T. -0.007 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

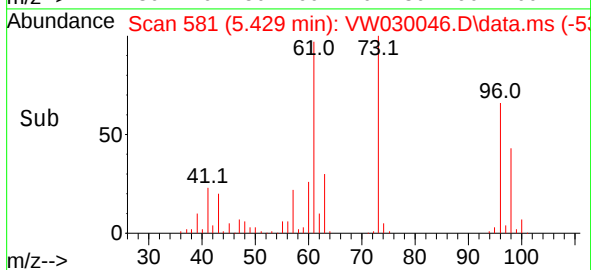
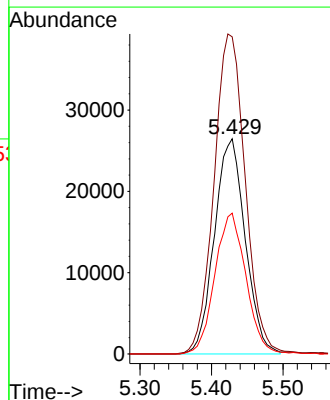
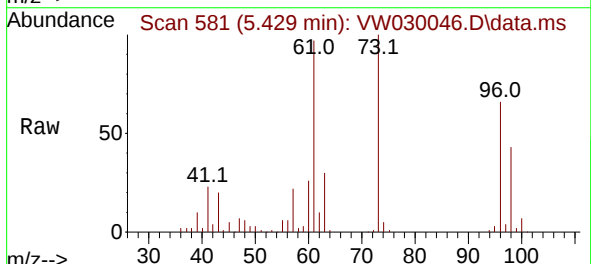
Instrument :  
MSVOA\_W  
ClientSampleId :

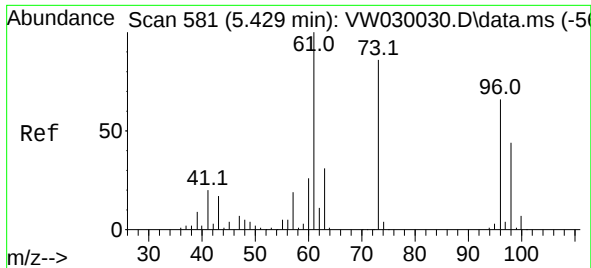
Tgt Ion: 84 Resp: 91916  
Ion Ratio Lower Upper  
84 100  
86 60.7 44.2 82.2  
49 121.0 79.9 148.3



#17  
trans-1,2-Dichloroethene  
Concen: 17.725 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

Tgt Ion: 96 Resp: 79239  
Ion Ratio Lower Upper  
96 100  
61 147.4 98.3 182.7  
98 65.4 45.3 84.1

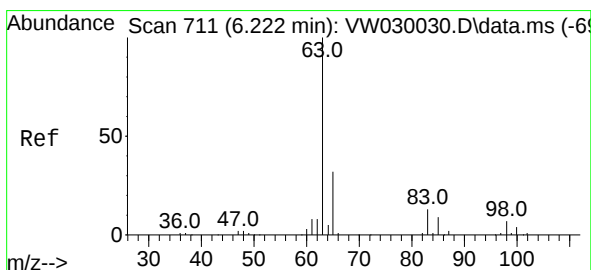
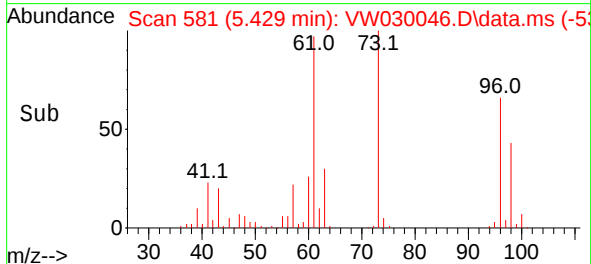
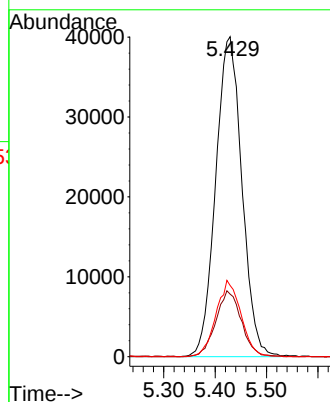
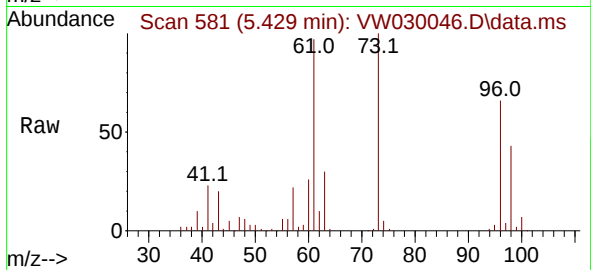




#18  
Methyl tert-butyl Ether  
Concen: 20.755 ug/L  
RT: 5.429 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

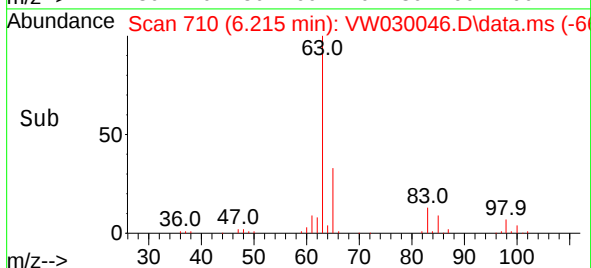
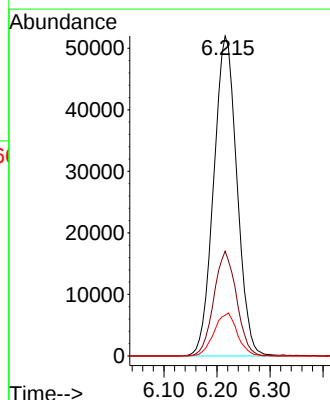
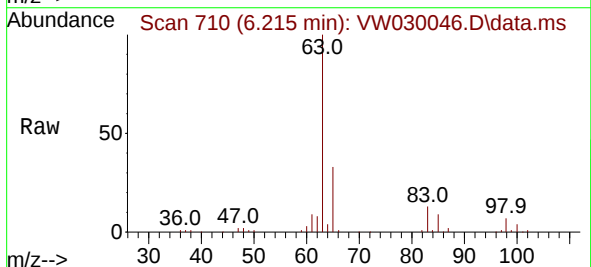
Instrument :  
MSVOA\_W  
ClientSampleId :

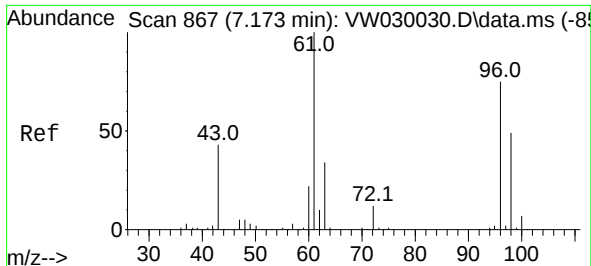
Tgt Ion: 73 Resp: 141895  
Ion Ratio Lower Upper  
73 100  
43 19.9 15.4 23.2  
57 22.6 17.4 26.0



#19  
1,1-Dichloroethane  
Concen: 19.045 ug/L  
RT: 6.215 min Scan# 710  
Delta R.T. -0.007 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

Tgt Ion: 63 Resp: 158208  
Ion Ratio Lower Upper  
63 100  
65 32.8 21.6 40.0  
83 12.7 9.7 17.9





#20

cis-1,2-Dichloroethene

Concen: 17.926 ug/L

RT: 7.166 min Scan# 8

Delta R.T. -0.007 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

ClientSampleId :

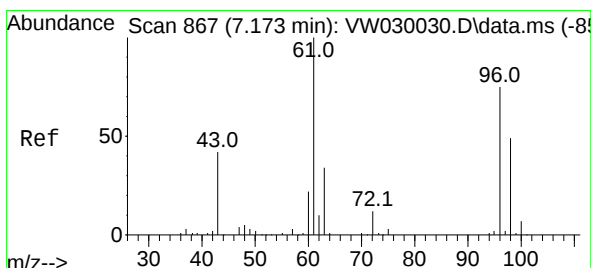
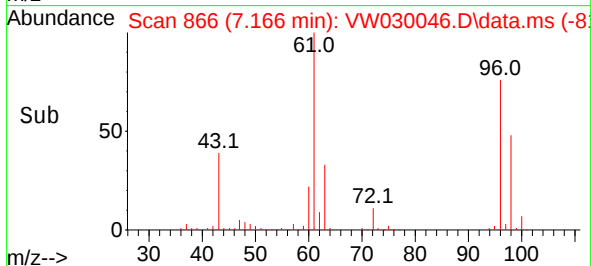
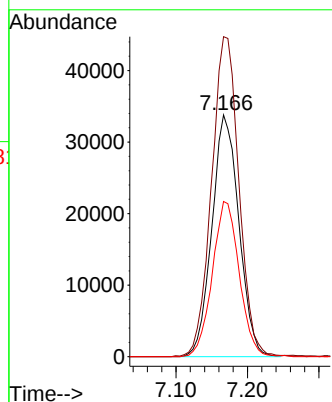
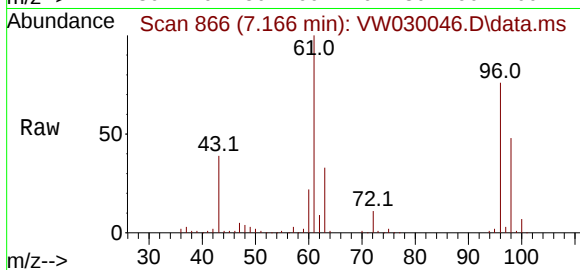
Tgt Ion: 96 Resp: 88568

Ion Ratio Lower Upper

96 100

61 132.4 99.6 185.0

98 64.2 46.5 86.5



#22

2-Butanone

Concen: 44.426 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW030046.D

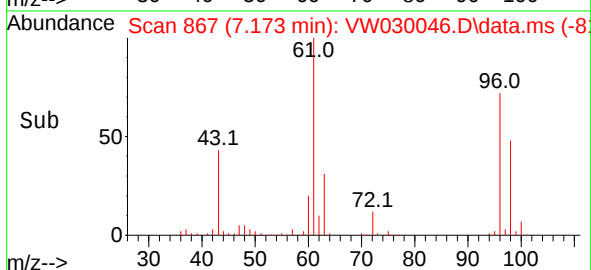
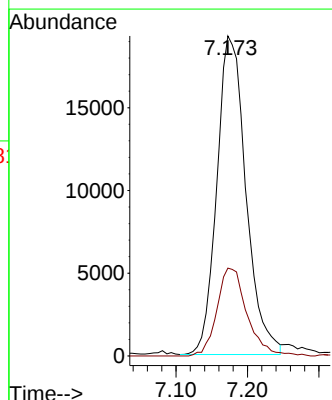
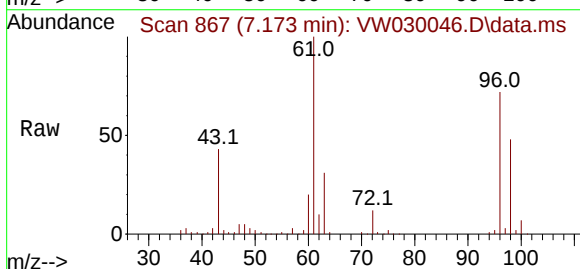
Acq: 27 Aug 2024 15:57

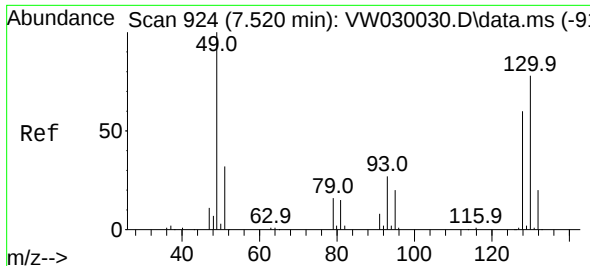
Tgt Ion: 43 Resp: 54394

Ion Ratio Lower Upper

43 100

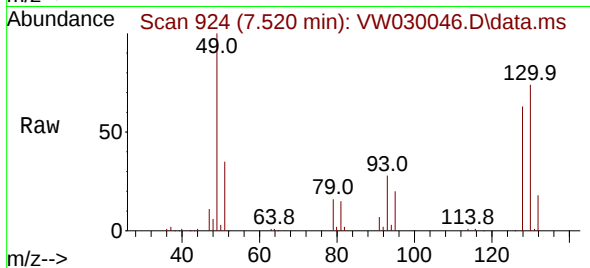
72 28.5 15.0 45.1



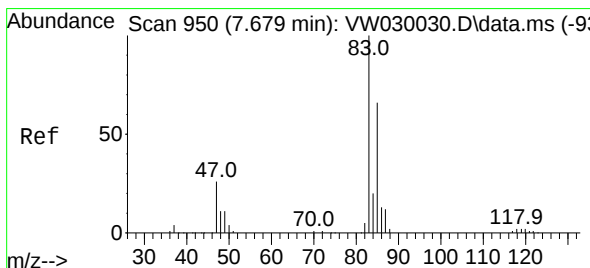
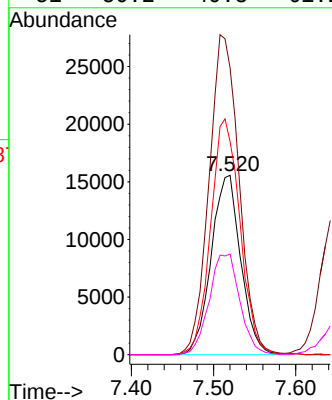
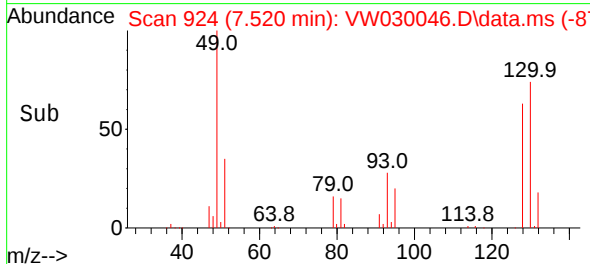


#23  
Bromochloromethane  
Concen: 18.532 ug/L  
RT: 7.520 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

Instrument :  
MSVOA\_W  
ClientSampleId :

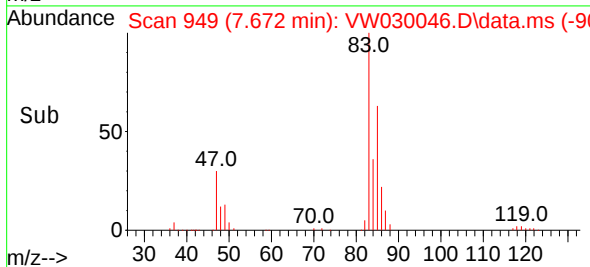
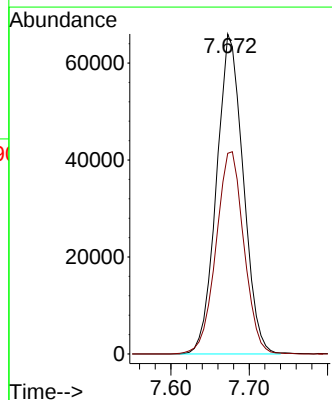
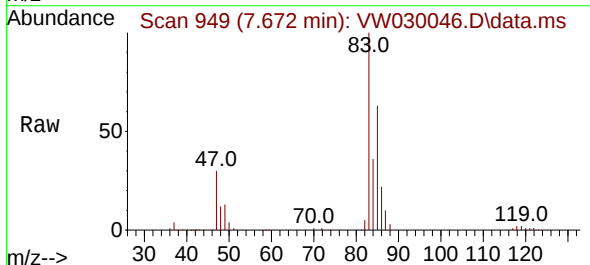


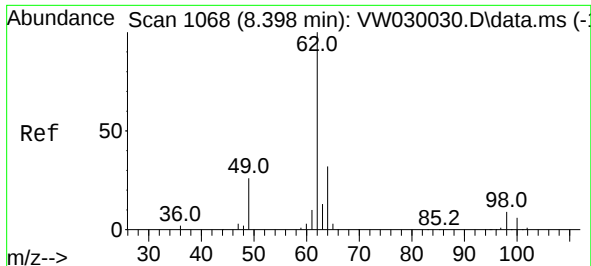
Tgt Ion:128 Resp: 38837  
Ion Ratio Lower Upper  
128 100  
49 159.8 117.3 217.9  
130 118.6 89.3 165.9  
51 56.2 40.8 61.2



#25  
Chloroform  
Concen: 18.407 ug/L  
RT: 7.672 min Scan# 949  
Delta R.T. -0.007 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

Tgt Ion: 83 Resp: 156399  
Ion Ratio Lower Upper  
83 100  
85 62.7 44.4 82.4





#27

1,2-Dichloroethane

Concen: 19.843 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

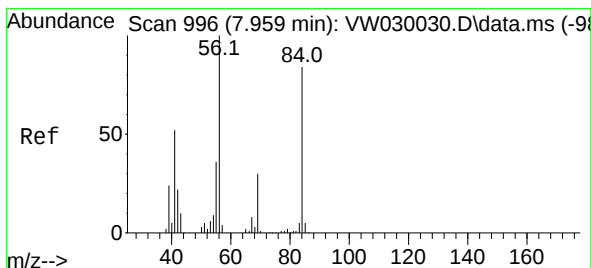
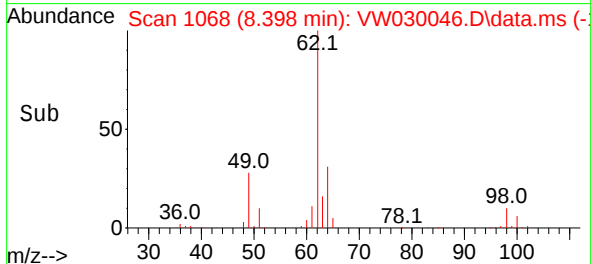
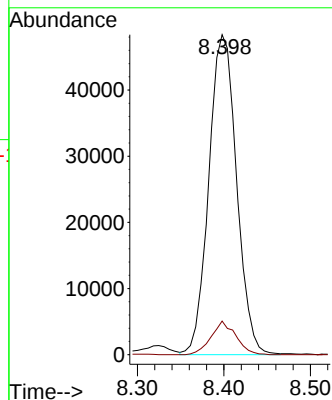
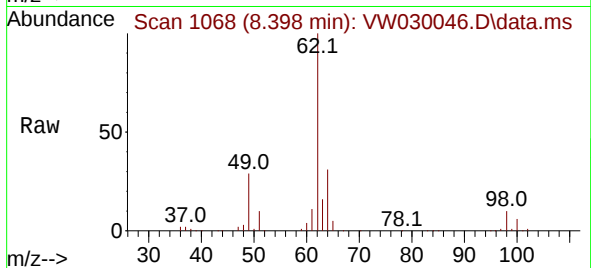
ClientSampleId :

Tgt Ion: 62 Resp: 107925

Ion Ratio Lower Upper

62 100

98 10.5 7.7 11.5



#29

Cyclohexane

Concen: 19.383 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

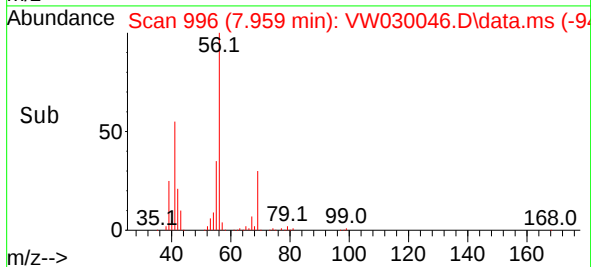
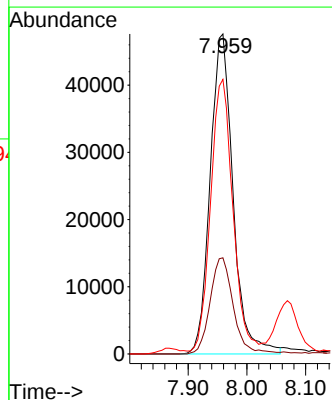
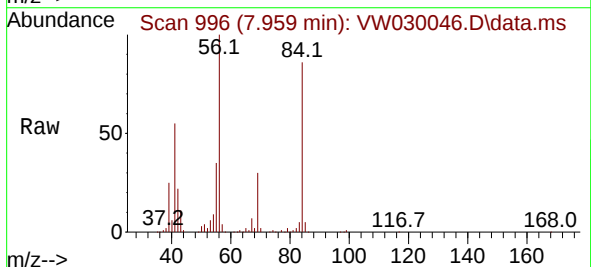
Tgt Ion: 56 Resp: 128884

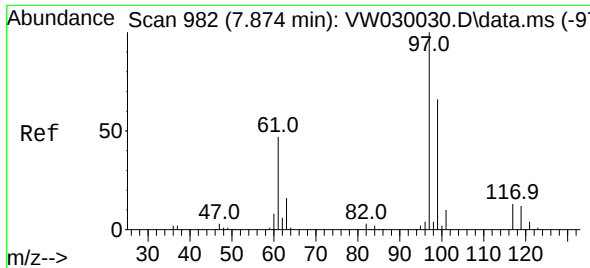
Ion Ratio Lower Upper

56 100

69 29.6 24.4 36.6

84 83.7 68.1 102.1

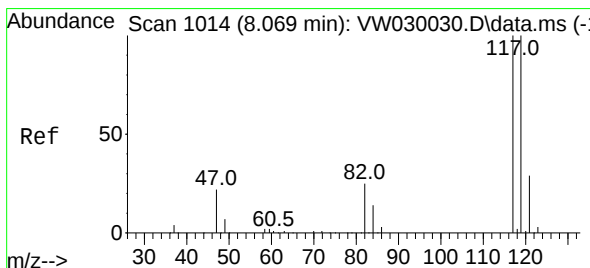
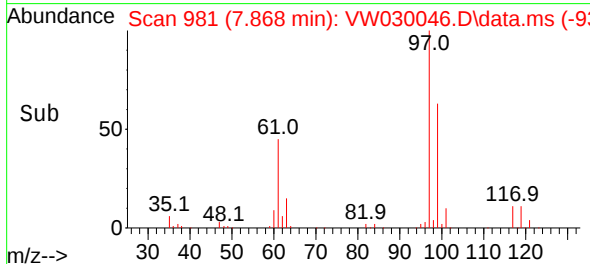
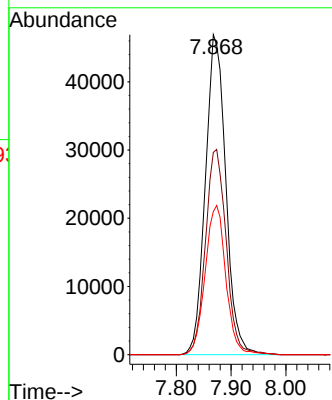
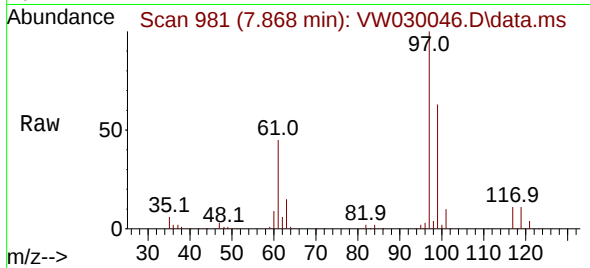




#30  
1,1,1-Trichloroethane  
Concen: 18.811 ug/L  
RT: 7.868 min Scan# 982  
Delta R.T. -0.007 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

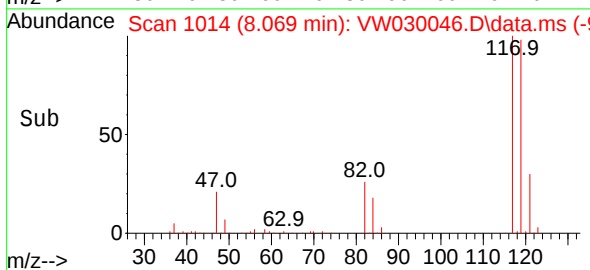
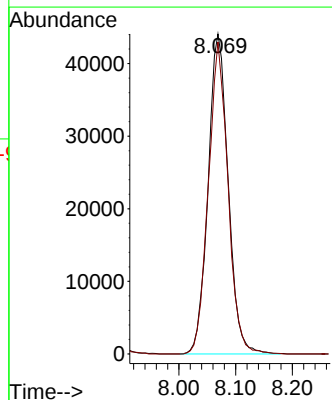
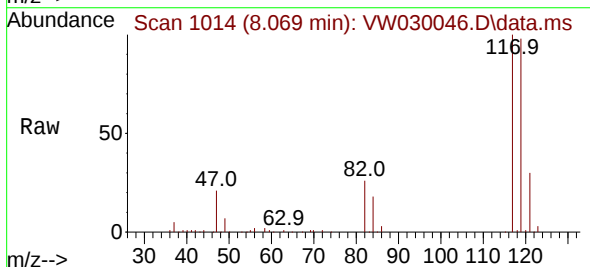
Instrument :  
MSVOA\_W  
ClientSampleId :

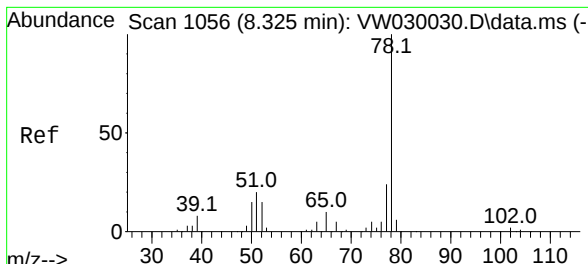
Tgt Ion: 97 Resp: 121326  
Ion Ratio Lower Upper  
97 100  
99 64.8 51.7 77.5  
61 47.5 37.2 55.8



#31  
Carbon tetrachloride  
Concen: 18.742 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

Tgt Ion: 117 Resp: 108602  
Ion Ratio Lower Upper  
117 100  
119 95.2 77.7 116.5

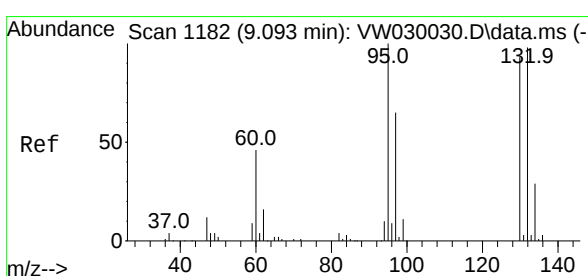
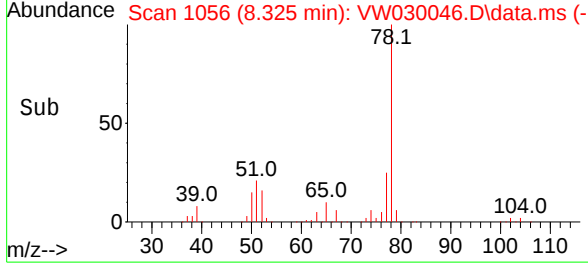
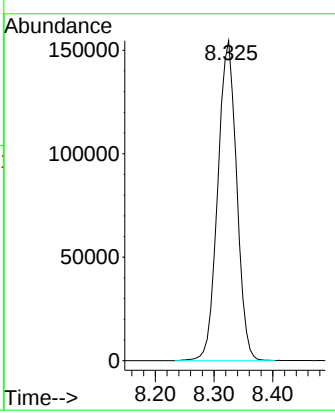
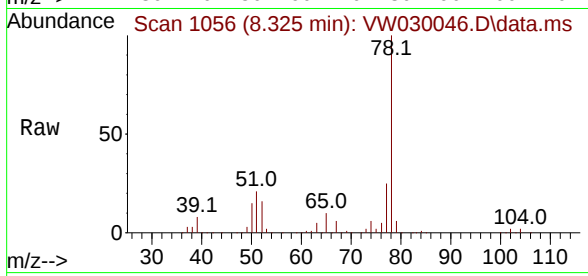




#33  
Benzene  
Concen: 19.606 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

Tgt Ion: 78 Resp: 345914

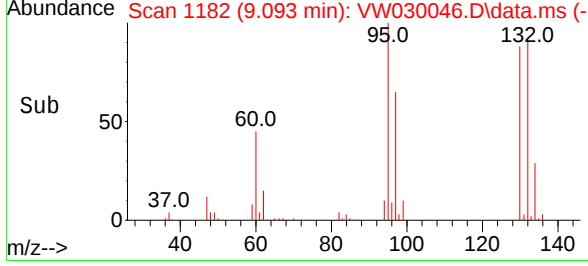
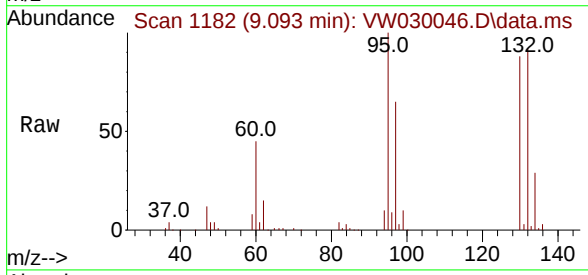
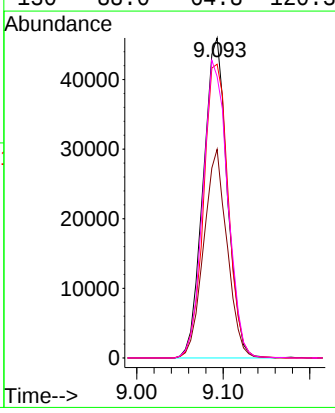
Instrument : MSVOA\_W  
ClientSampleId :

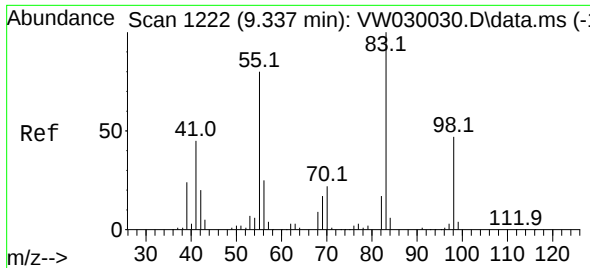


#34  
Trichloroethene  
Concen: 18.674 ug/L  
RT: 9.093 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

Tgt Ion: 95 Resp: 88715

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.2  | 43.3  | 80.5  |
| 132 | 91.8  | 63.6  | 118.0 |
| 130 | 88.0  | 64.8  | 120.3 |





#35

Methylcyclohexane

Concen: 16.437 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

ClientSampleId :

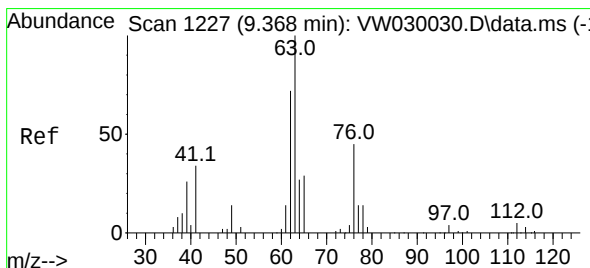
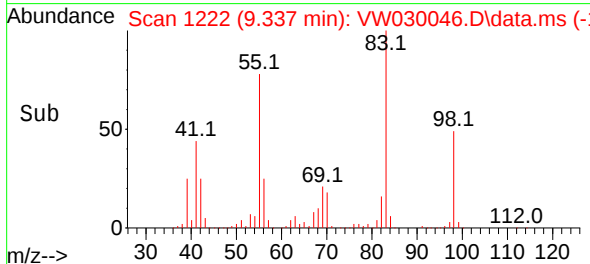
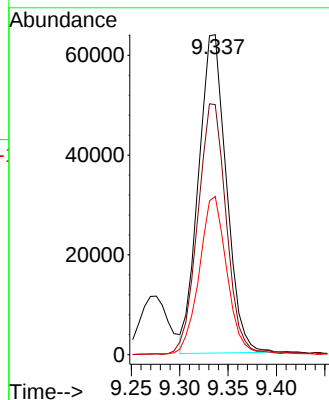
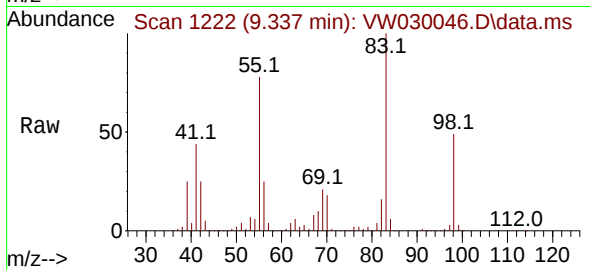
Tgt Ion: 83 Resp: 127895

Ion Ratio Lower Upper

83 100

55 80.2 59.0 88.6

98 49.6 38.2 57.4



#37

1,2-Dichloropropane

Concen: 20.725 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW030046.D

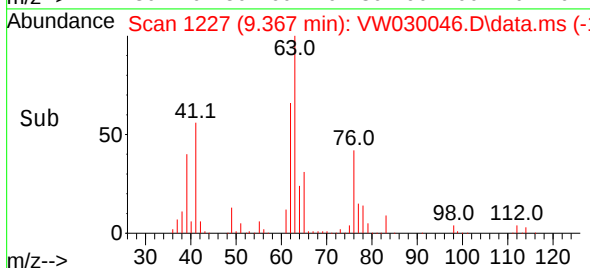
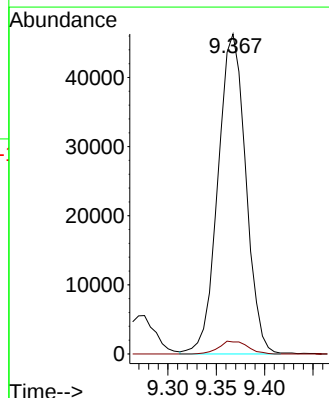
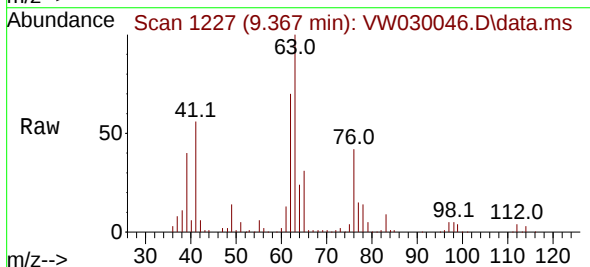
Acq: 27 Aug 2024 15:57

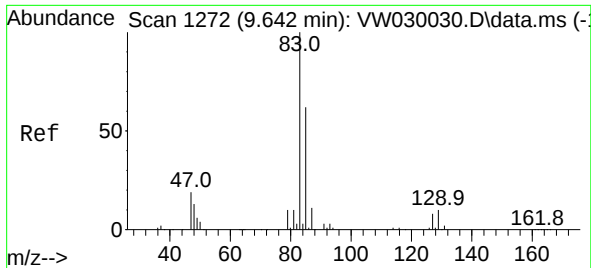
Tgt Ion: 63 Resp: 92593

Ion Ratio Lower Upper

63 100

112 4.1 3.7 5.5

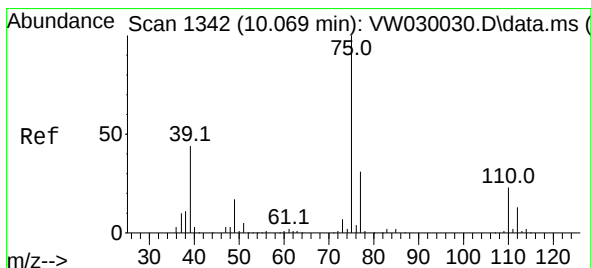
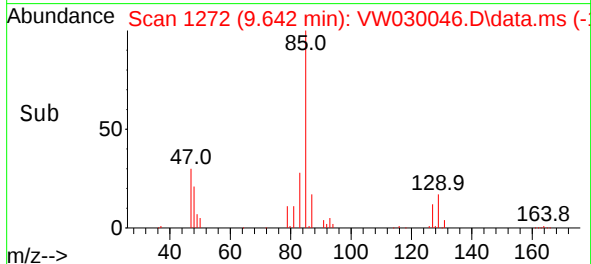
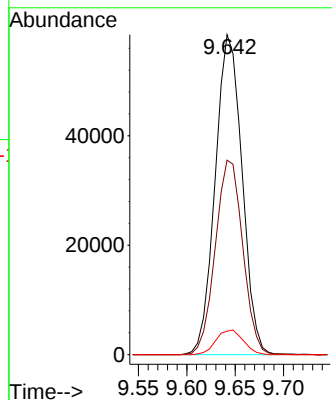
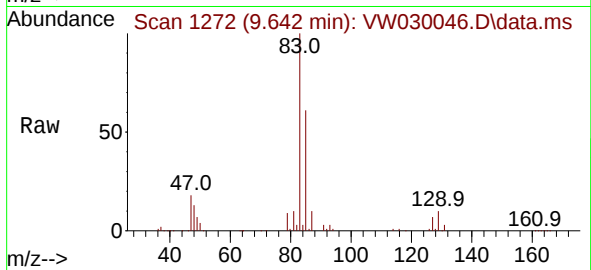




#38  
Bromodichloromethane  
Concen: 20.038 ug/L  
RT: 9.642 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

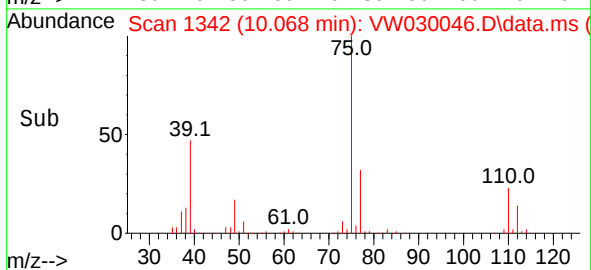
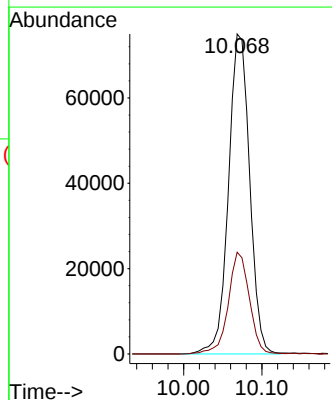
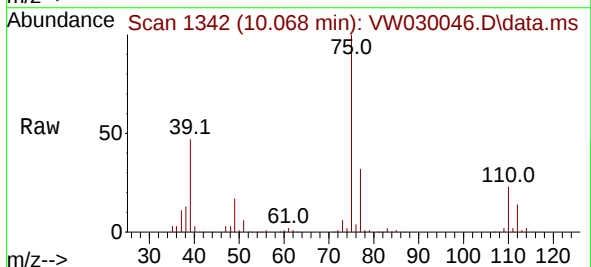
Instrument :  
MSVOA\_W  
ClientSampleId :

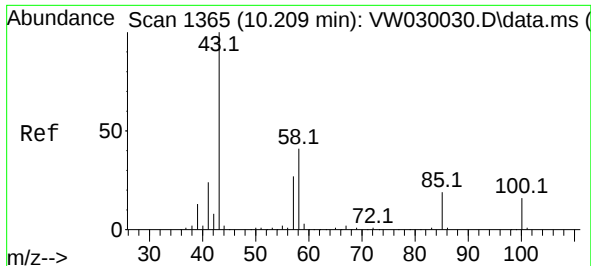
Tgt Ion: 83 Resp: 112959  
Ion Ratio Lower Upper  
83 100  
85 60.8 42.9 79.7  
127 7.4 6.6 9.8



#39  
cis-1,3-Dichloropropene  
Concen: 20.455 ug/L  
RT: 10.068 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

Tgt Ion: 75 Resp: 140658  
Ion Ratio Lower Upper  
75 100  
77 31.8 22.8 42.4





#40

4-Methyl-2-pentanone

Concen: 58.702 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

ClientSampleId :

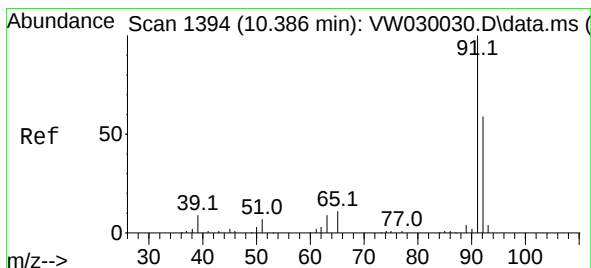
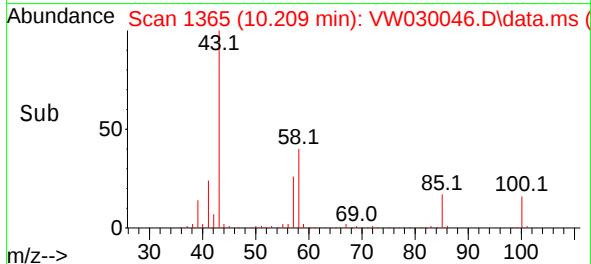
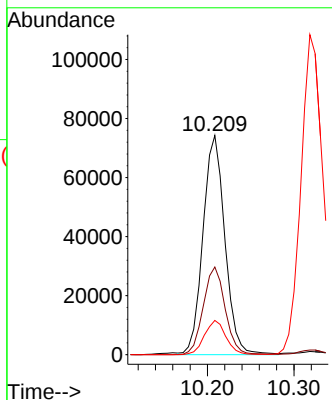
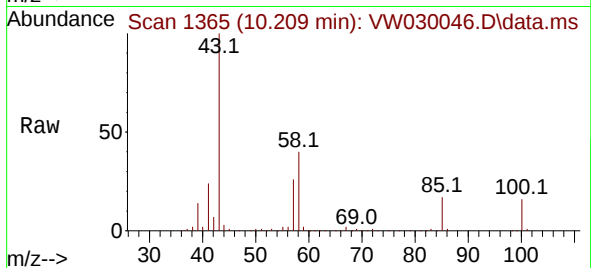
Tgt Ion: 43 Resp: 130552

Ion Ratio Lower Upper

43 100

58 40.0 34.0 51.0

100 15.4 13.5 20.3



#42

Toluene

Concen: 18.896 ug/L

RT: 10.385 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW030046.D

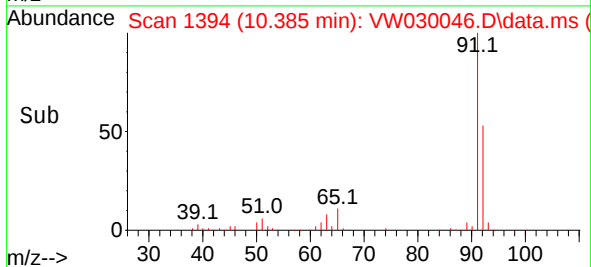
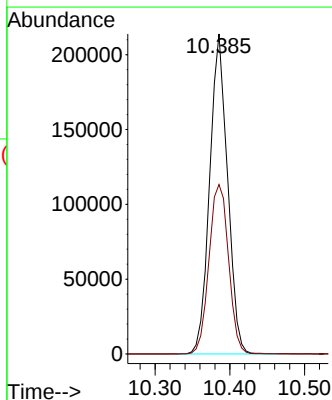
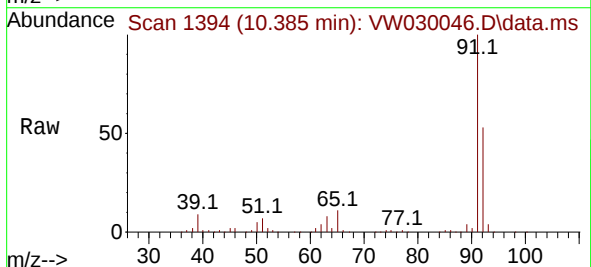
Acq: 27 Aug 2024 15:57

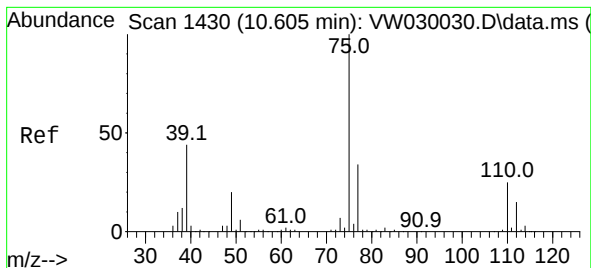
Tgt Ion: 91 Resp: 355042

Ion Ratio Lower Upper

91 100

92 52.9 39.5 73.4





#44

trans-1,3-Dichloropropene

Concen: 21.266 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

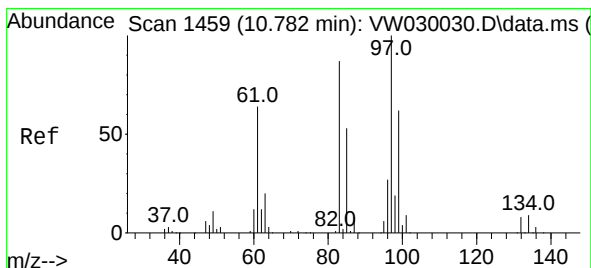
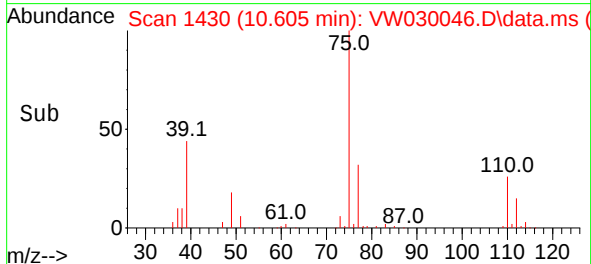
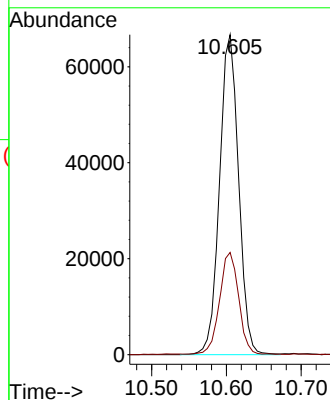
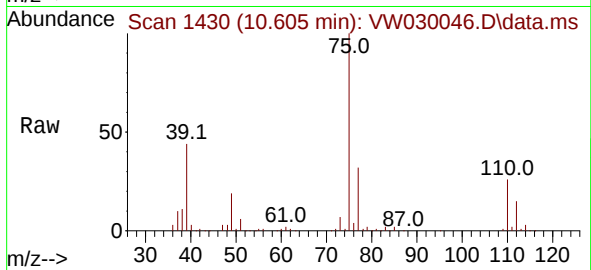
ClientSampleId :

Tgt Ion: 75 Resp: 118334

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8



#45

1,1,2-Trichloroethane

Concen: 20.850 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Tgt Ion: 97 Resp: 68276

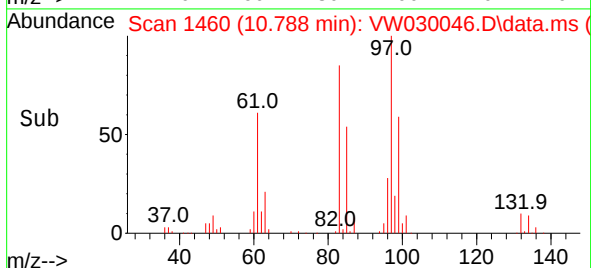
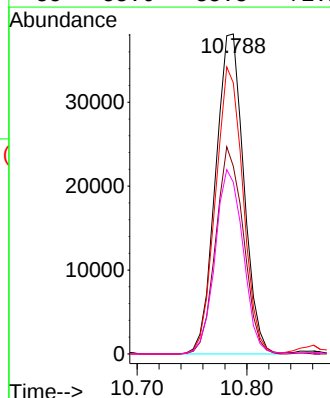
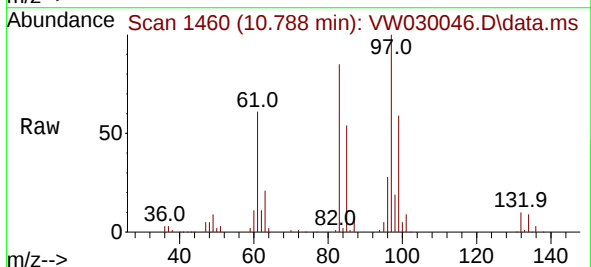
Ion Ratio Lower Upper

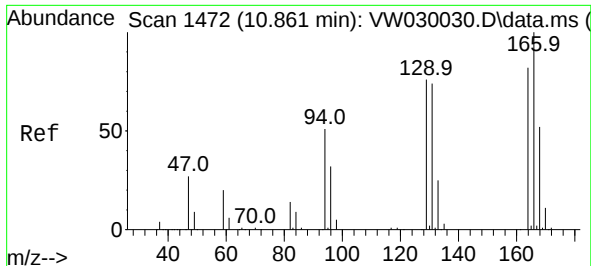
97 100

99 58.7 40.3 74.8

83 84.7 58.0 107.6

85 53.6 38.3 71.1





#46

Tetrachloroethene

Concen: 17.375 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

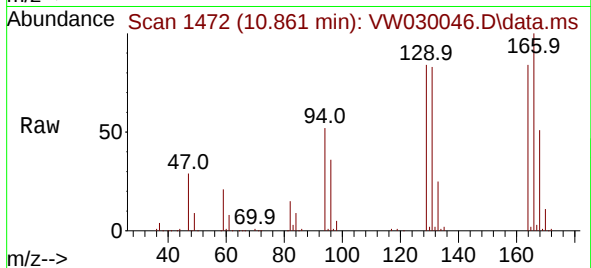
Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:164 Resp: 62652

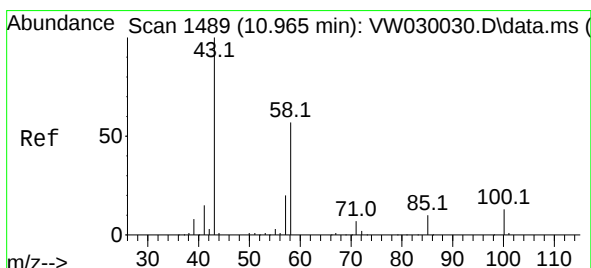
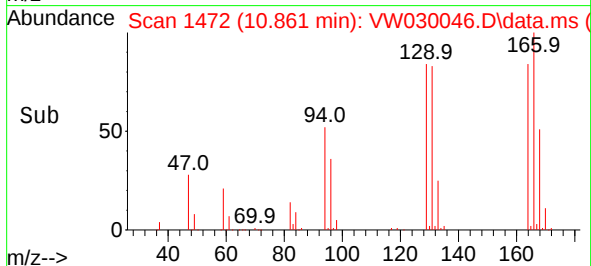
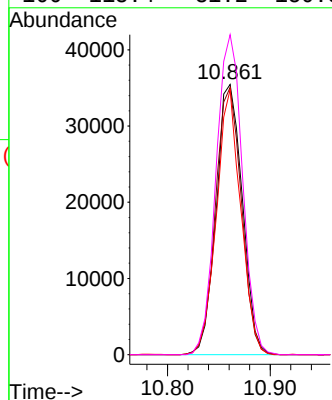
Ion Ratio Lower Upper

164 100

129 98.9 66.1 122.7

131 98.1 62.6 116.2

166 118.4 81.2 150.8



#48

2-Hexanone

Concen: 58.809 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Tgt Ion: 43 Resp: 92978

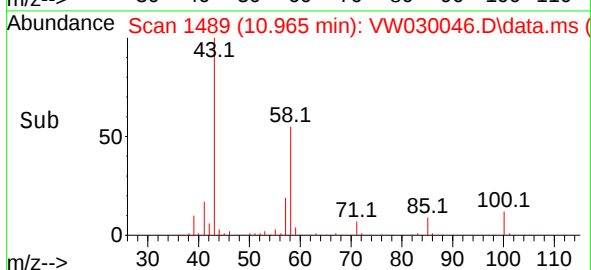
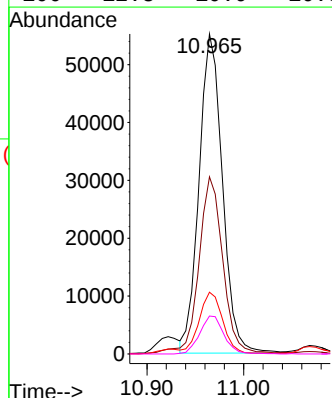
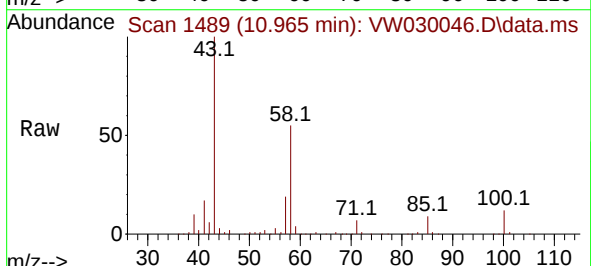
Ion Ratio Lower Upper

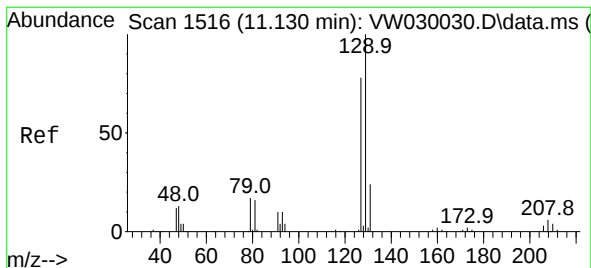
43 100

58 57.0 50.0 75.0

57 19.8 17.3 25.9

100 12.3 10.9 16.3





#49

Dibromochloromethane

Concen: 20.779 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.007 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

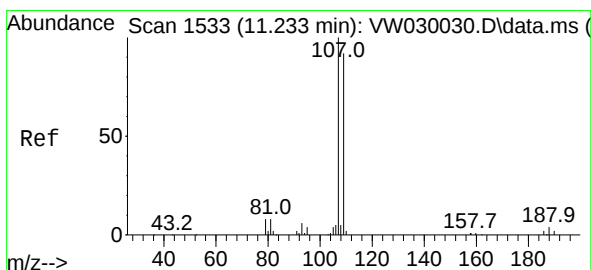
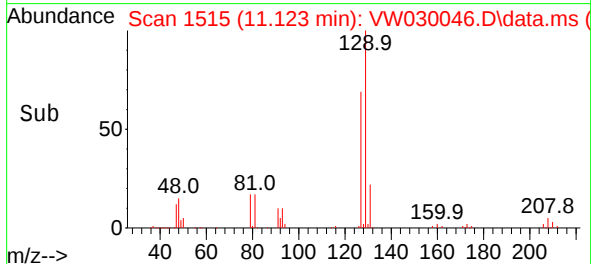
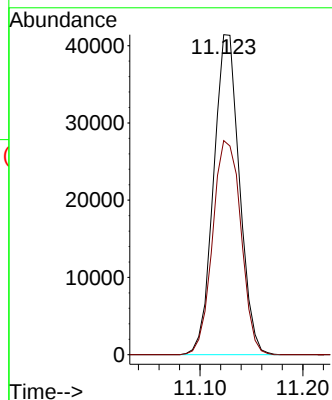
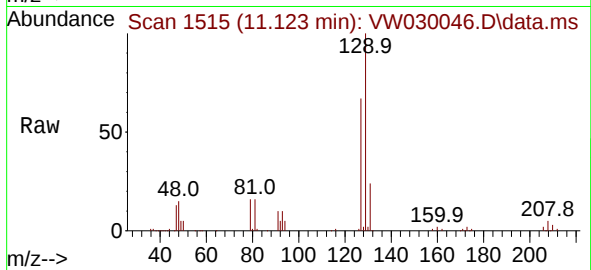
ClientSampleId :

Tgt Ion:129 Resp: 72299

Ion Ratio Lower Upper

129 100

127 66.9 51.8 96.2



#50

1,2-Dibromoethane

Concen: 22.064 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

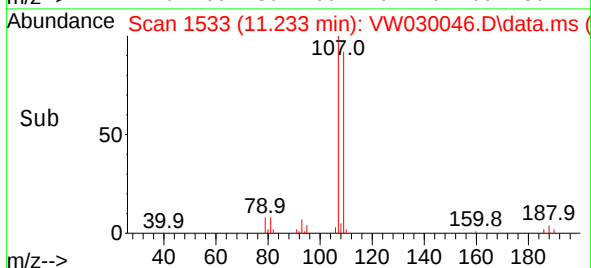
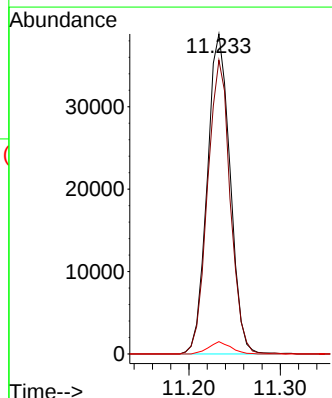
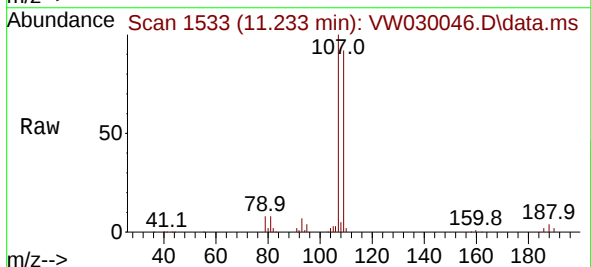
Tgt Ion:107 Resp: 67491

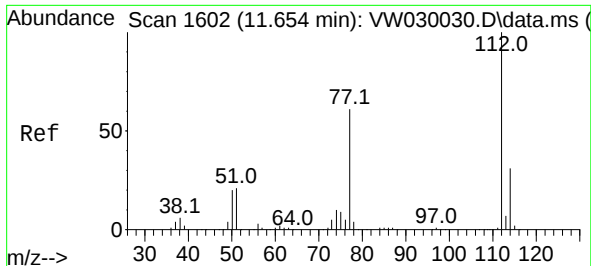
Ion Ratio Lower Upper

107 100

109 91.8 61.7 114.5

188 3.8 3.1 4.7





#51

Chlorobenzene

Concen: 18.042 ug/L

RT: 11.653 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

ClientSampleId :

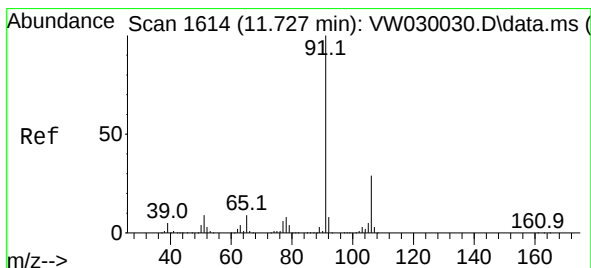
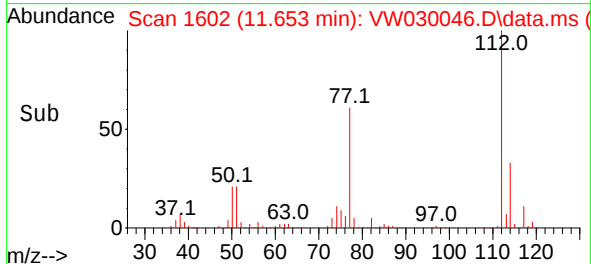
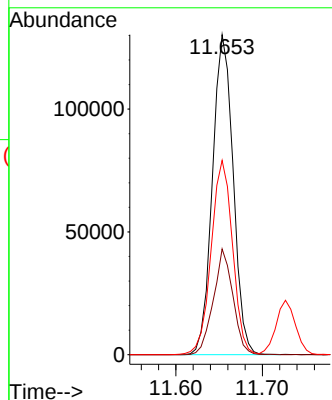
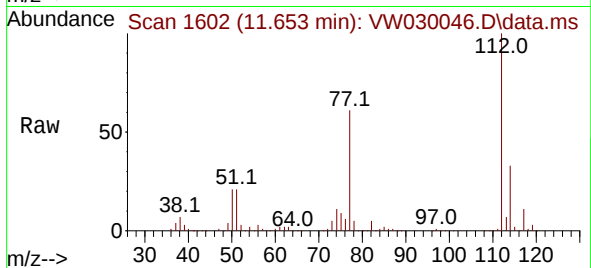
Tgt Ion:112 Resp: 216755

Ion Ratio Lower Upper

112 100

114 33.0 20.9 38.9

77 60.7 47.1 70.7



#52

Ethylbenzene

Concen: 17.902 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW030046.D

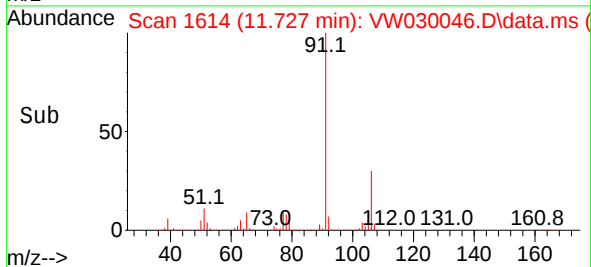
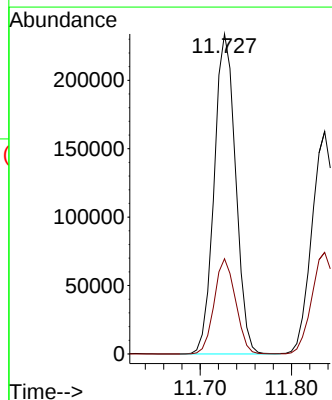
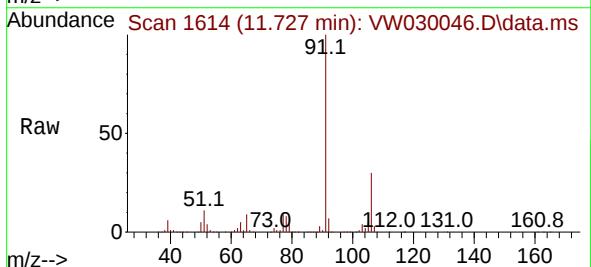
Acq: 27 Aug 2024 15:57

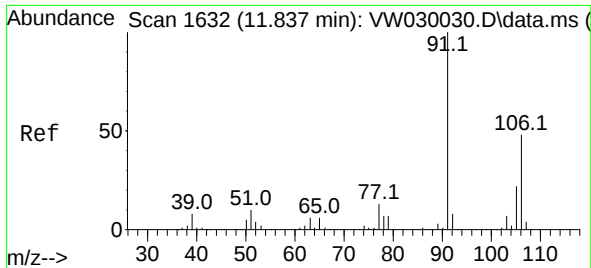
Tgt Ion: 91 Resp: 381113

Ion Ratio Lower Upper

91 100

106 29.8 22.0 41.0

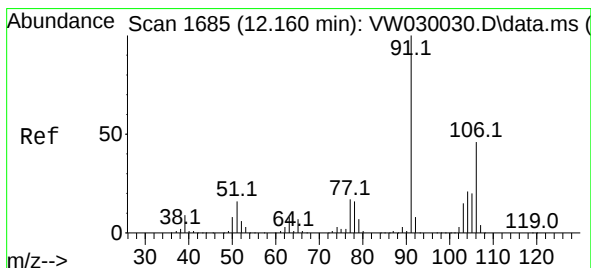
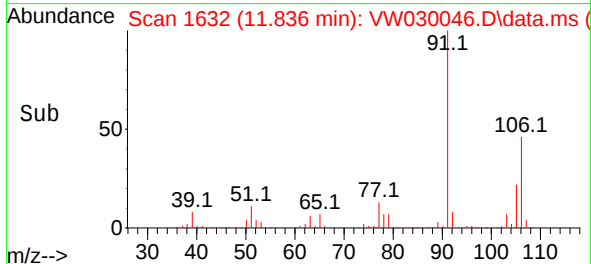
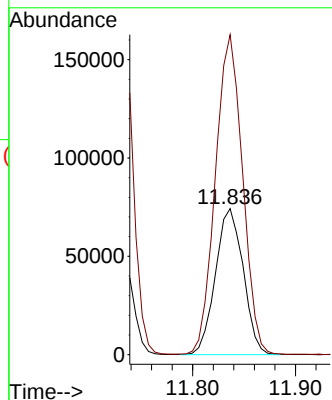
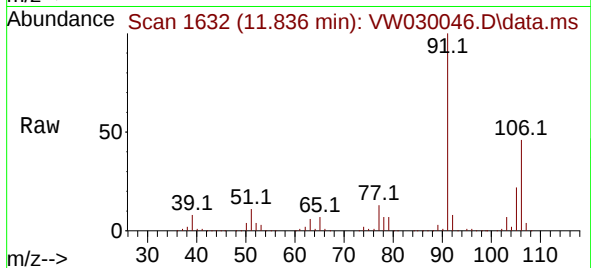




#53  
m,p-Xylene  
Concen: 17.534 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

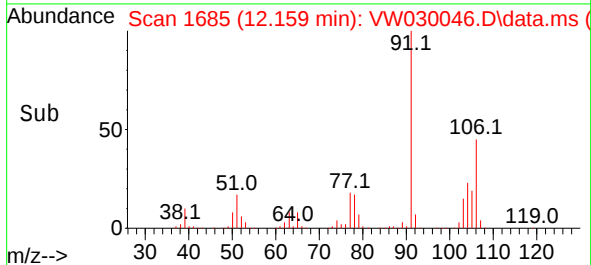
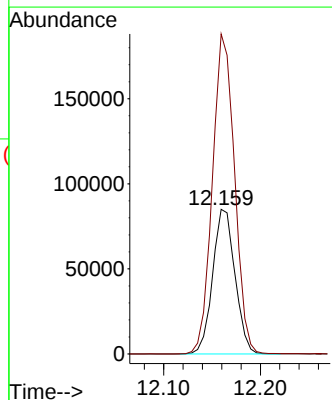
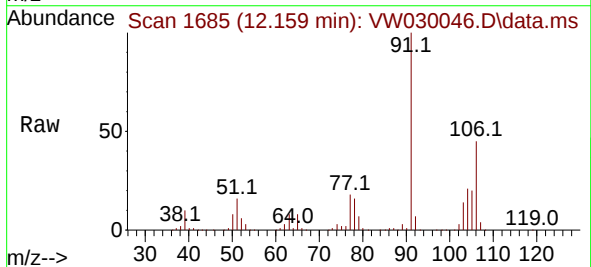
Instrument :  
MSVOA\_W  
ClientSampleId :

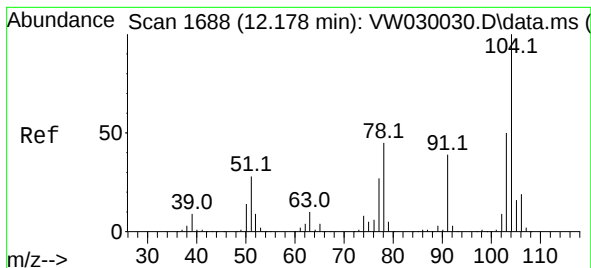
Tgt Ion:106 Resp: 139301  
Ion Ratio Lower Upper  
106 100  
91 219.2 146.7 272.4



#54  
o-Xylene  
Concen: 17.871 ug/L  
RT: 12.159 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW030046.D  
Acq: 27 Aug 2024 15:57

Tgt Ion:106 Resp: 136273  
Ion Ratio Lower Upper  
106 100  
91 221.3 153.9 285.7





#55

Styrene

Concen: 18.133 ug/L

RT: 12.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

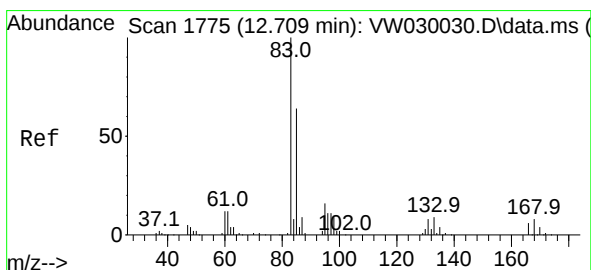
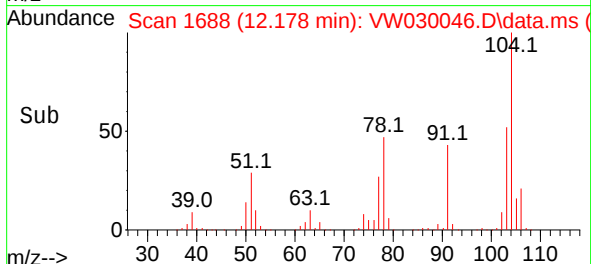
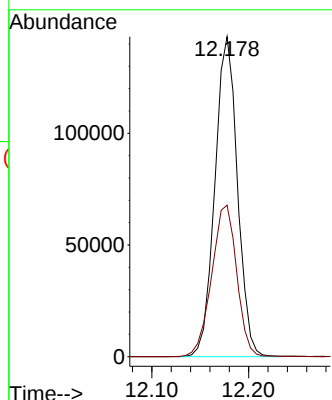
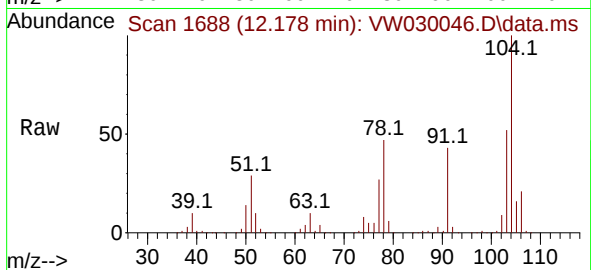
ClientSampleId :

Tgt Ion:104 Resp: 231670

Ion Ratio Lower Upper

104 100

78 47.4 32.8 60.8



#57

1,1,2,2-Tetrachloroethane

Concen: 23.620 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

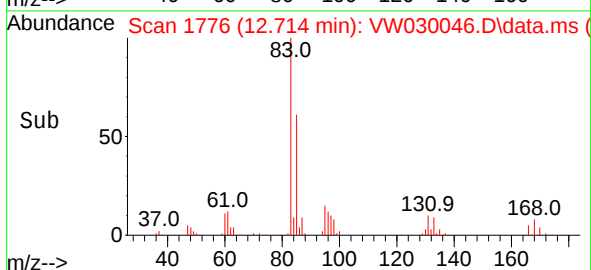
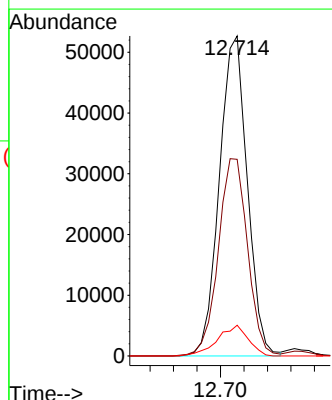
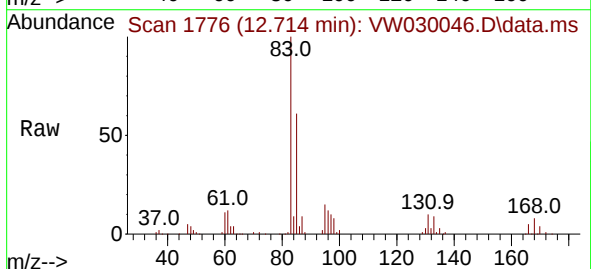
Tgt Ion: 83 Resp: 87102

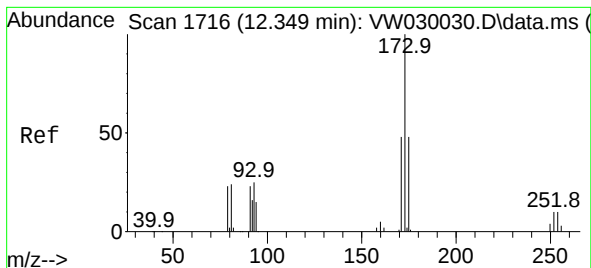
Ion Ratio Lower Upper

83 100

85 61.4 44.0 81.8

131 9.6 7.3 10.9





#59

Bromoform

Concen: 24.587 ug/L

RT: 12.348 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

ClientSampleId :

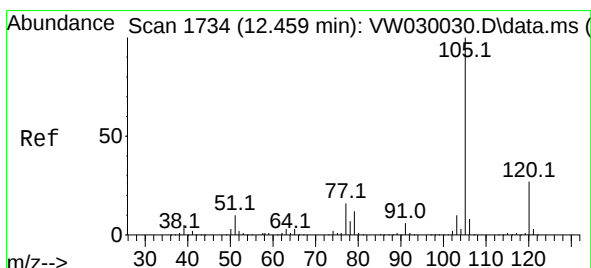
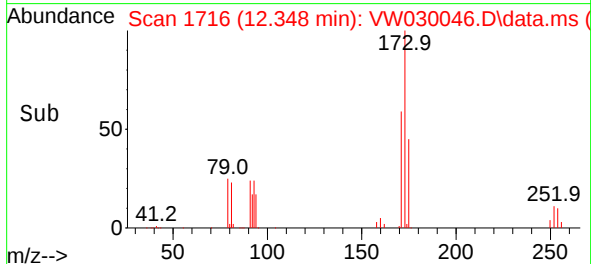
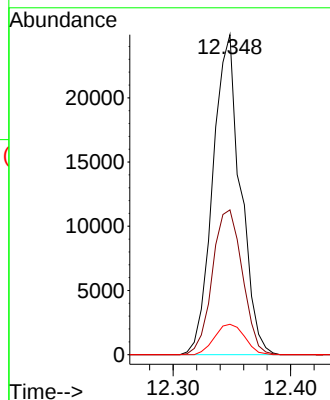
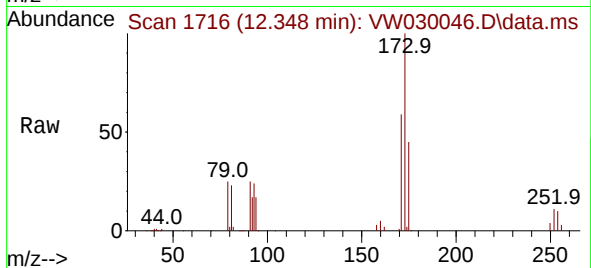
Tgt Ion:173 Resp: 40796

Ion Ratio Lower Upper

173 100

175 49.0 41.4 62.2

254 10.3 8.6 13.0



#60

Isopropylbenzene

Concen: 20.475 ug/L

RT: 12.458 min Scan# 1734

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

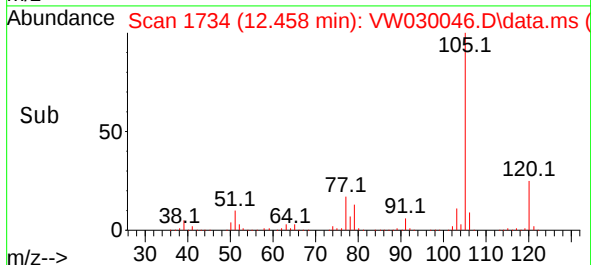
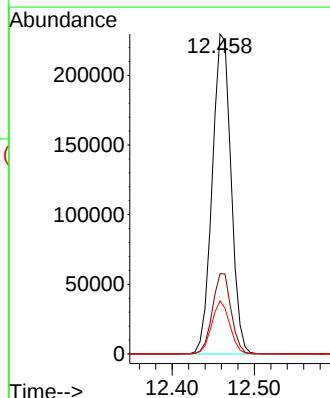
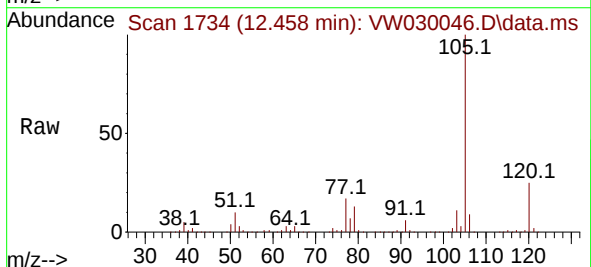
Tgt Ion:105 Resp: 363963

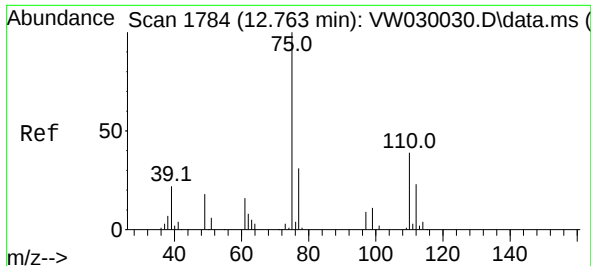
Ion Ratio Lower Upper

105 100

120 25.1 20.6 30.8

77 16.0 12.6 18.8





#61

1,2,3-Trichloropropane

Concen: 27.794 ug/L

RT: 12.763 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

ClientSampleId :

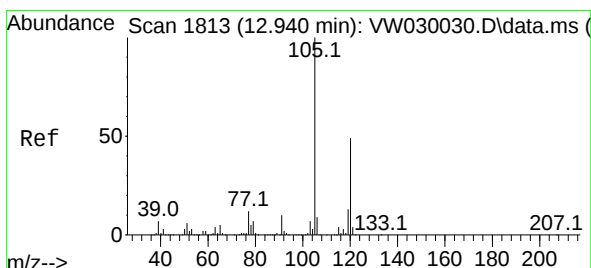
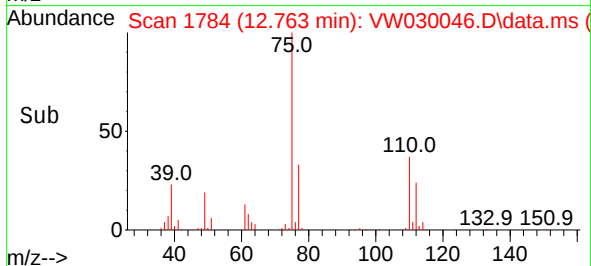
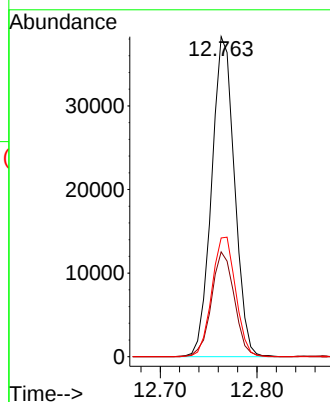
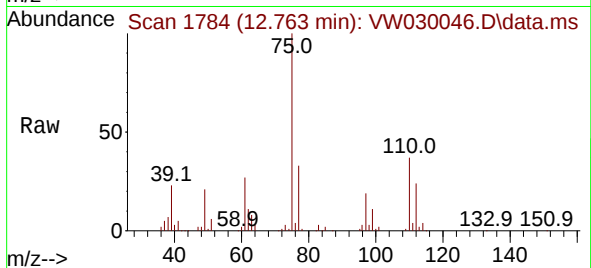
Tgt Ion: 75 Resp: 62967

Ion Ratio Lower Upper

75 100

77 32.8 26.0 39.0

110 38.7 31.0 46.4



#62

1,3,5-Trimethylbenzene

Concen: 20.307 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW030046.D

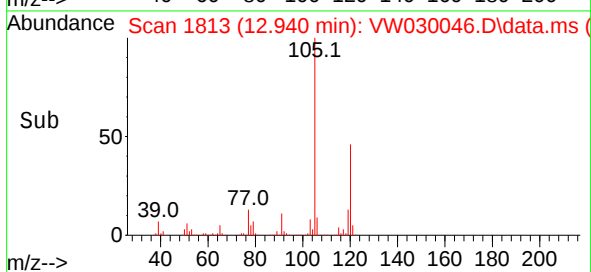
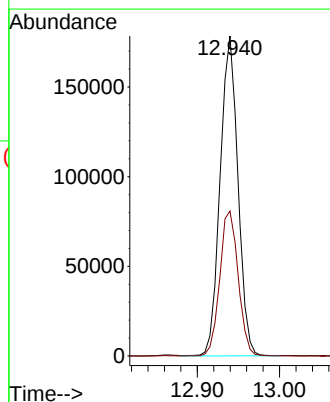
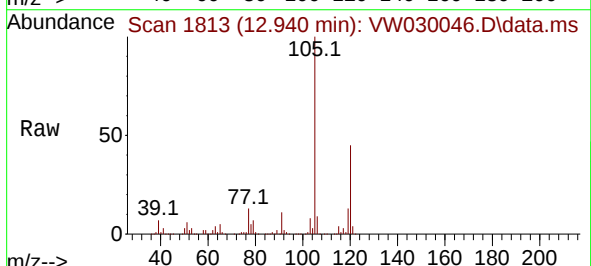
Acq: 27 Aug 2024 15:57

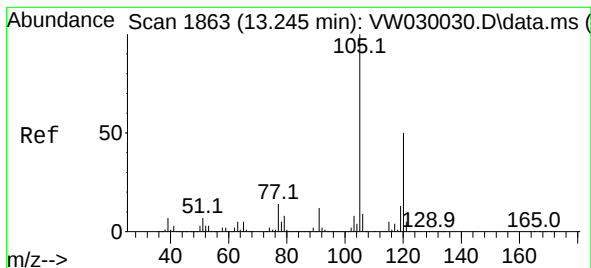
Tgt Ion:105 Resp: 268397

Ion Ratio Lower Upper

105 100

120 46.8 38.3 57.5





#63

1,2,4-Trimethylbenzene

Concen: 18.881 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

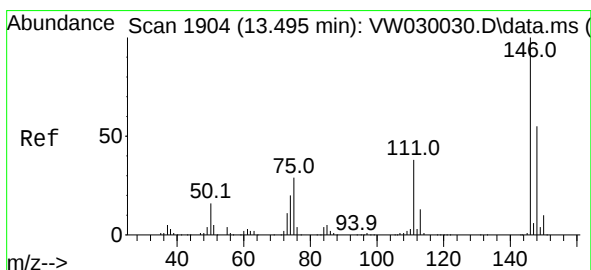
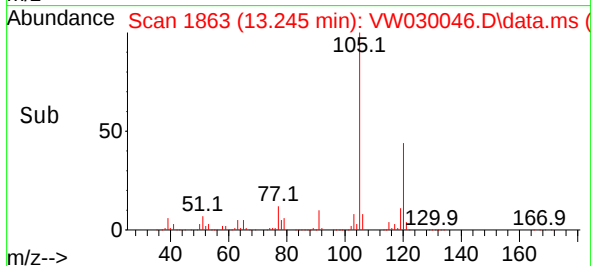
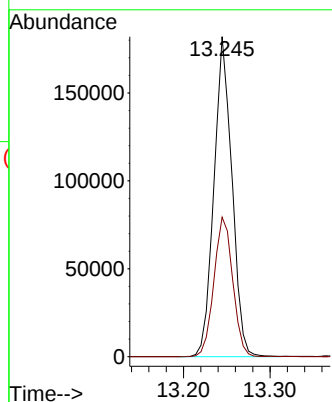
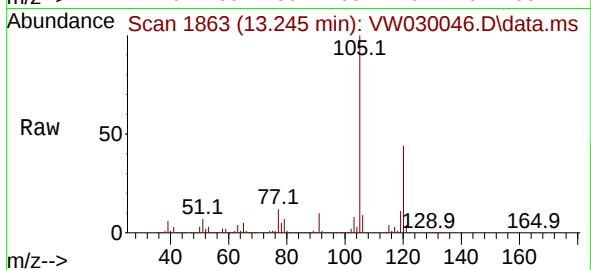
ClientSampleId :

Tgt Ion:105 Resp: 263040

Ion Ratio Lower Upper

105 100

120 45.5 36.3 54.5



#64

1,3-Dichlorobenzene

Concen: 18.285 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

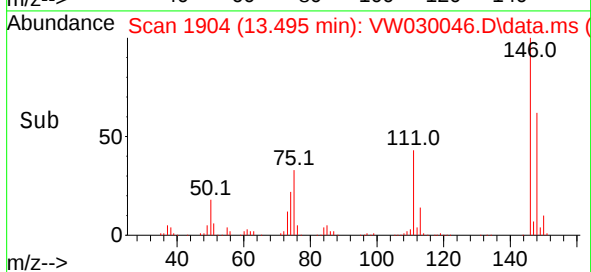
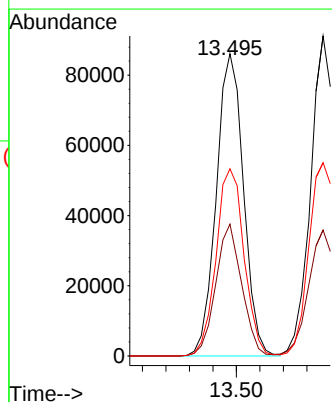
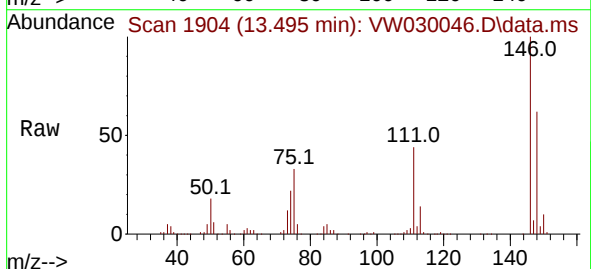
Tgt Ion:146 Resp: 138564

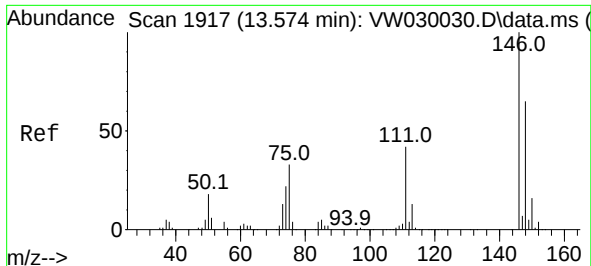
Ion Ratio Lower Upper

146 100

111 43.7 29.1 54.1

148 61.9 43.9 81.5





#65

1,4-Dichlorobenzene

Concen: 18.319 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

ClientSampleId :

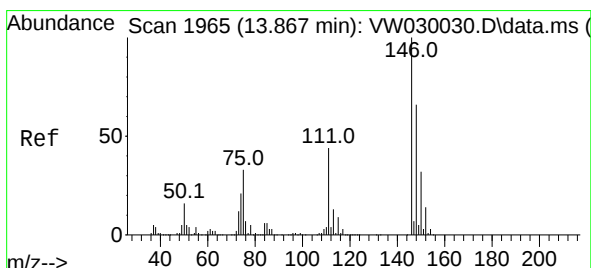
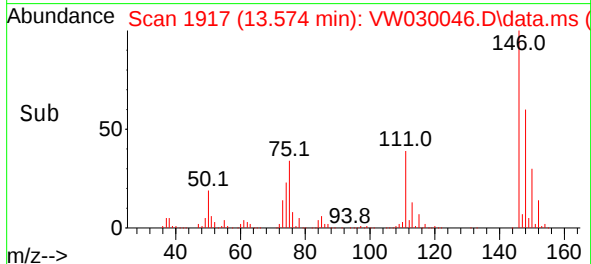
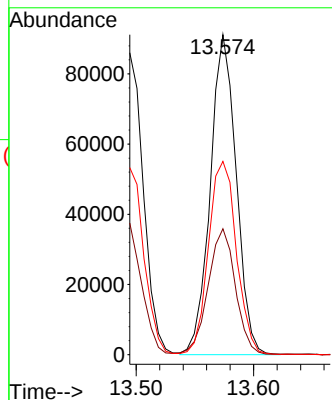
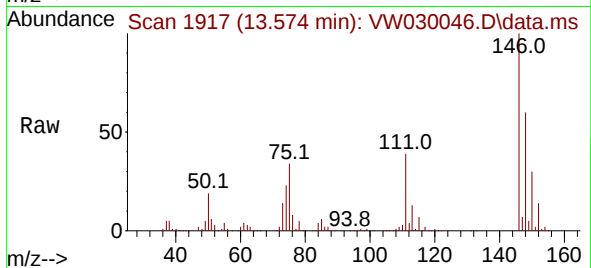
Tgt Ion:146 Resp: 140239

Ion Ratio Lower Upper

146 100

111 39.4 28.2 52.4

148 60.4 45.8 85.2



#67

1,2-Dichlorobenzene

Concen: 18.763 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

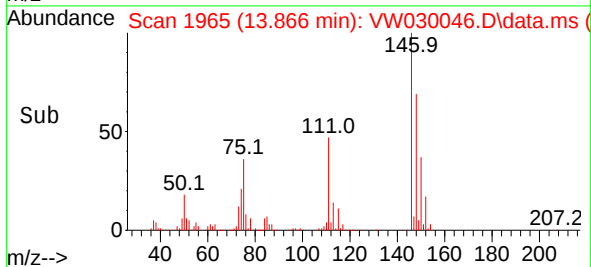
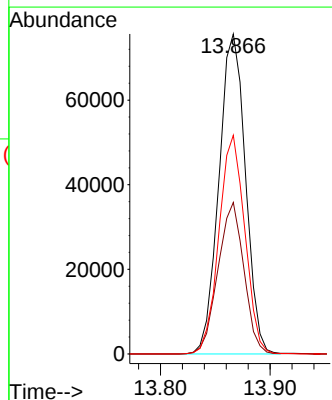
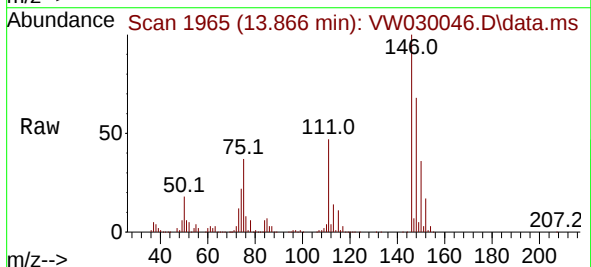
Tgt Ion:146 Resp: 127196

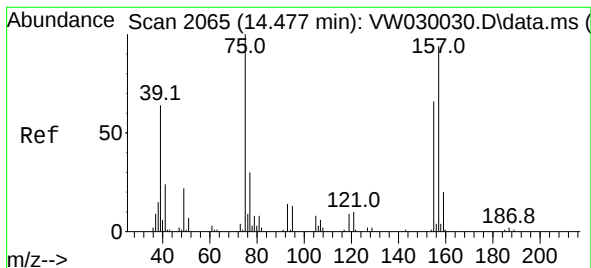
Ion Ratio Lower Upper

146 100

111 47.4 34.7 52.1

148 68.4 51.4 77.0





#68

1,2-Dibromo-3-chloropropane

Concen: 29.611 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

ClientSampleId :

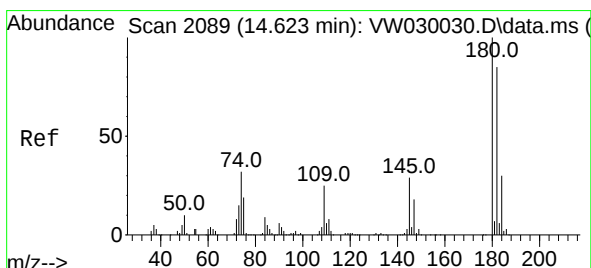
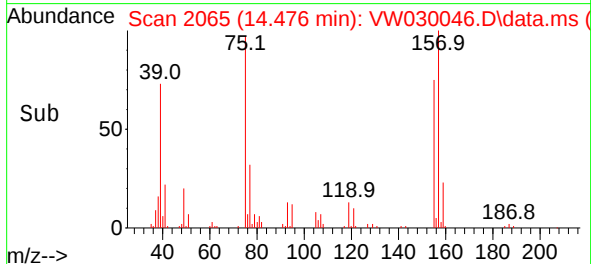
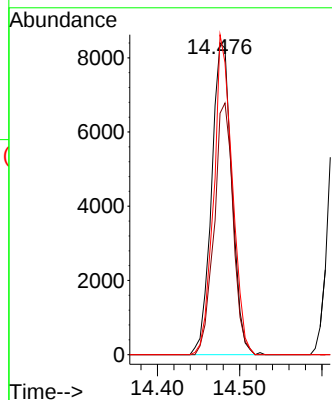
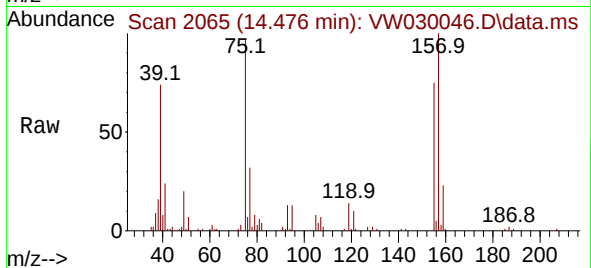
Tgt Ion: 75 Resp: 14360

Ion Ratio Lower Upper

75 100

155 77.4 62.8 94.2

157 102.6 84.3 126.5



#69

1,3,5-Trichlorobenzene

Concen: 13.340 ug/L

RT: 14.622 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Tgt Ion:180 Resp: 66002

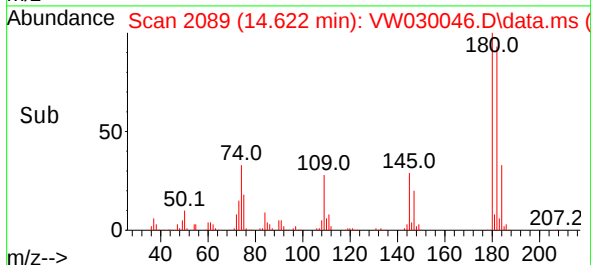
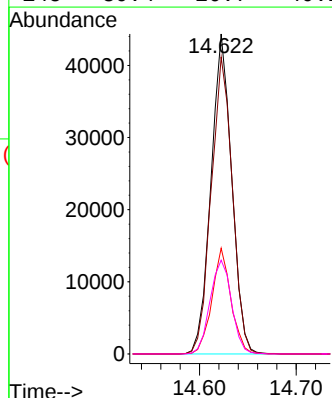
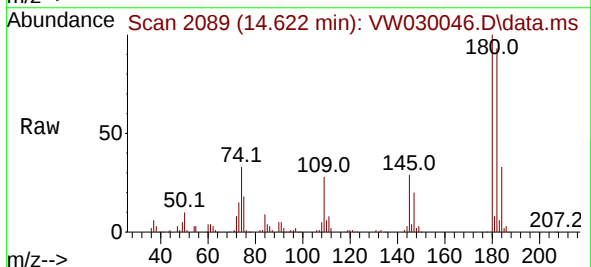
Ion Ratio Lower Upper

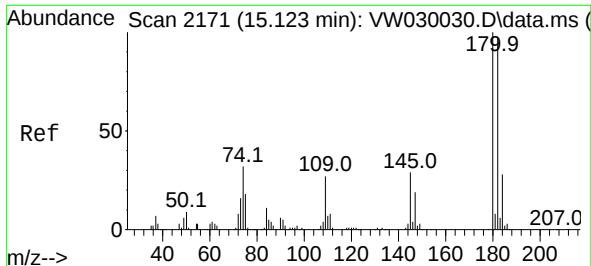
180 100

182 94.6 79.7 119.5

184 30.5 25.1 37.7

145 30.4 26.7 40.1





#70

1,2,4-trichlorobenzene

Concen: 13.496 ug/L

RT: 15.122 min Scan# 2171

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

Instrument :

MSVOA\_W

ClientSampleId :

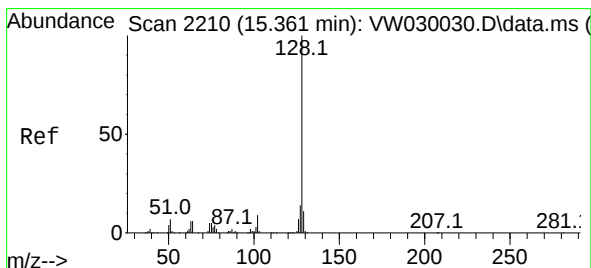
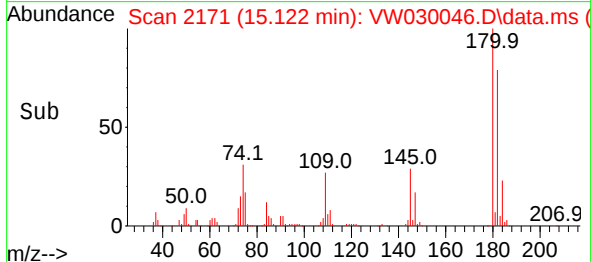
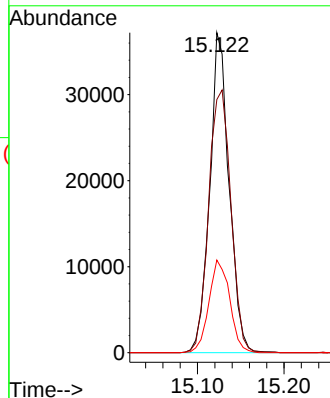
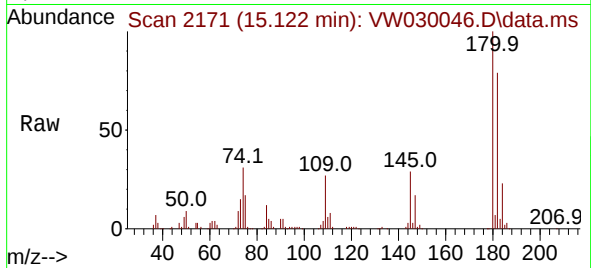
Tgt Ion:180 Resp: 57789

Ion Ratio Lower Upper

180 100

182 94.6 75.3 112.9

145 31.2 24.7 37.1



#71

Naphthalene

Concen: 21.062 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW030046.D

Acq: 27 Aug 2024 15:57

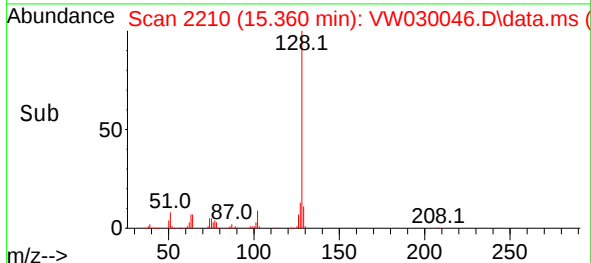
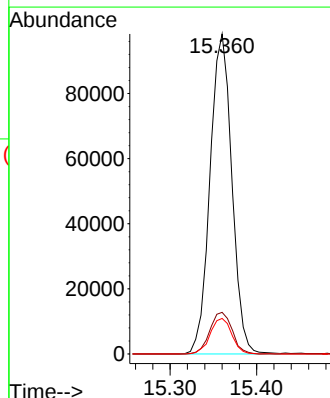
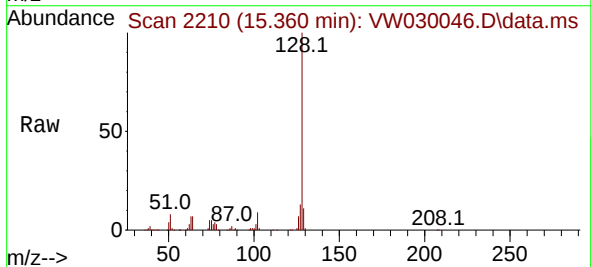
Tgt Ion:128 Resp: 172220

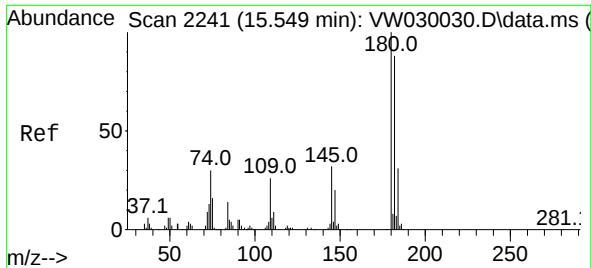
Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 11.0 8.9 13.3





1,2,3-Trichlorobenzene  
 Concen: 13.804 ug/L  
 RT: 15.543 min Scan# 21  
 Delta R.T. -0.007 min  
 Lab File: VW030046.D  
 Acq: 27 Aug 2024 15:57

Instrument :  
 MSVOA\_W  
 ClientSampleId :

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.9  | 77.2  | 115.8 |
| 145     | 34.8  | 26.5  | 39.7  |

