

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW102723\  
 Data File : VW027472.D  
 Acq On : 27 Oct 2023 17:56  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 30 01:57:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 27 01:27:32 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 336623   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 321885   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 177030   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 89256    | 17.374   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 69.480%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 78662    | 21.325   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 85.280%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 44925    | 17.452   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 69.800%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 76102    | 44.568   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 89.140%  |
| 24) Chloroform-d              | 7.648  | 84    | 235439   | 23.466   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 93.880%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 121995   | 22.636   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 90.560%  |
| 32) Benzene-d6                | 8.276  | 84    | 448615   | 20.600   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 82.400%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 150269   | 22.591   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 90.360%  |
| 41) Toluene-d8                | 10.325 | 98    | 393050   | 19.903   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 79.600%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 51637    | 17.026   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 68.120%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 57813    | 42.009   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 84.020%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 117150   | 23.606   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 94.440%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 129472   | 20.182   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 80.720%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 80830    | 20.181   | ug/L # | 79       |
| 3) Chloromethane              | 2.228  | 50    | 124075   | 26.956   | ug/L   | 95       |
| 5) Vinyl chloride             | 2.381  | 62    | 131104   | 25.499   | ug/L   | 96       |
| 6) Bromomethane               | 2.789  | 94    | 74177    | 25.329   | ug/L   | 97       |
| 8) Chloroethane               | 2.936  | 64    | 81144    | 27.417   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 100524   | 27.713   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 115577   | 25.446   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 108557   | 24.593   | ug/L   | 88       |
| 13) Acetone                   | 4.131  | 43    | 62587    | 42.437   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.393  | 76    | 279813   | 20.448   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 63276    | 25.120   | ug/L   | 98       |
| 16) Methylene chloride        | 4.917  | 84    | 139435   | 22.629   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 120571   | 25.416   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 212933   | 26.016   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 273388   | 28.246   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 143916   | 26.863   | ug/L   | 94       |
| 22) 2-Butanone                | 7.173  | 43    | 89951    | 40.748   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514  | 128   | 57637    | 26.059   | ug/L   | 93       |
| 25) Chloroform                | 7.679  | 83    | 257745   | 28.453   | ug/L   | 98       |

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 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 30 01:57:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 27 01:27:32 2023  
 Response via : Initial Calibration

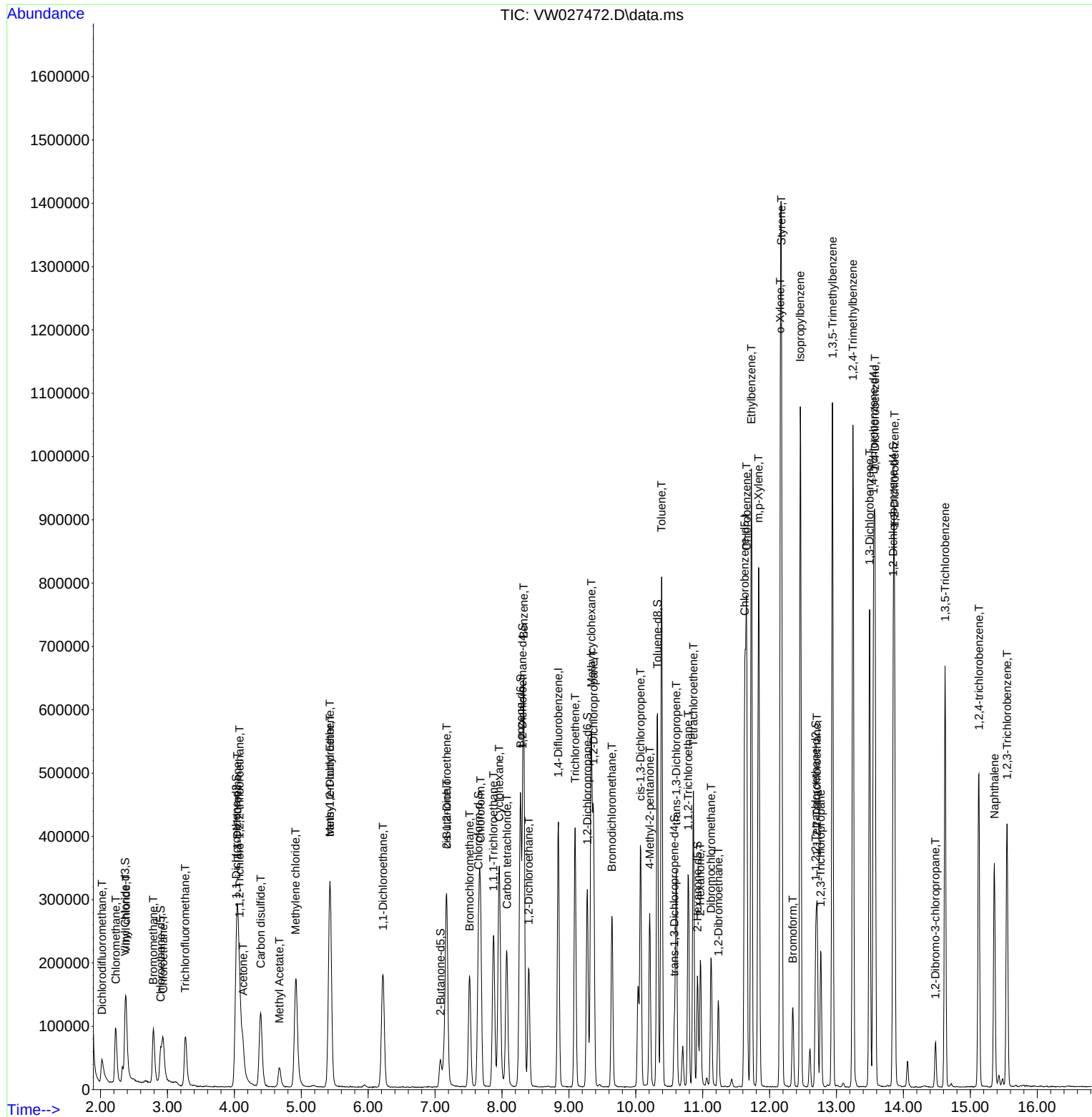
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 169320   | 27.516 | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 217565   | 22.261 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 197415   | 25.143 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 166126   | 23.464 | ug/L  | 100      |
| 33) Benzene                   | 8.325  | 78   | 554300   | 26.350 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 143855   | 25.888 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 225003   | 22.643 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 158676   | 27.897 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 182214   | 26.052 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.068 | 75   | 223009   | 23.735 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 190761   | 48.767 | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 577640   | 26.176 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 182622   | 23.035 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 106424   | 27.190 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 98567    | 25.689 | ug/L  | 85       |
| 48) 2-Hexanone                | 10.965 | 43   | 134924   | 46.602 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 104978   | 24.150 | ug/L  | 91       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 93263    | 24.576 | ug/L  | 92       |
| 51) Chlorobenzene             | 11.654 | 112  | 371966   | 26.917 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 676515   | 26.381 | ug/L  | 96       |
| 53) m,p-Xylene                | 11.836 | 106  | 248309   | 25.529 | ug/L  | 96       |
| 54) o-Xylene                  | 12.160 | 106  | 245098   | 26.314 | ug/L  | 98       |
| 55) Styrene                   | 12.178 | 104  | 424556   | 26.689 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 124680   | 26.094 | ug/L  | 96       |
| 59) Bromoform                 | 12.349 | 173  | 54483    | 20.683 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 682438   | 24.539 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 90714    | 23.468 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 563754   | 24.302 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 545936   | 24.053 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 286768   | 25.428 | ug/L  | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 286161   | 25.409 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 254589   | 25.440 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 19447    | 20.130 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 188887   | 25.801 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 150886   | 24.215 | ug/L  | 100      |
| 71) Naphthalene               | 15.360 | 128  | 288793   | 22.537 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 129122   | 25.200 | ug/L  | 94       |

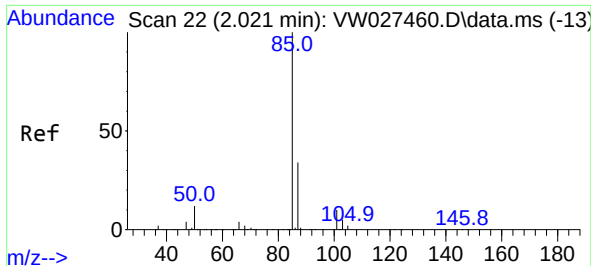
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VSTDC0025EC  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

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Quant Title : SFAM01.0  
QLast Update : Fri Oct 27 01:27:32 2023  
Response via : Initial Calibration

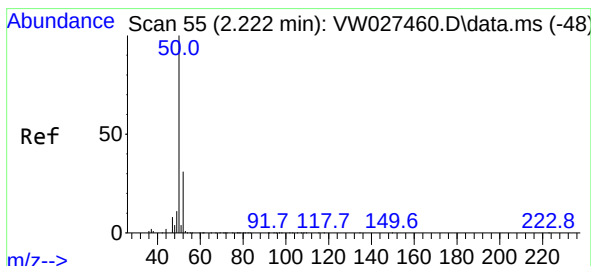
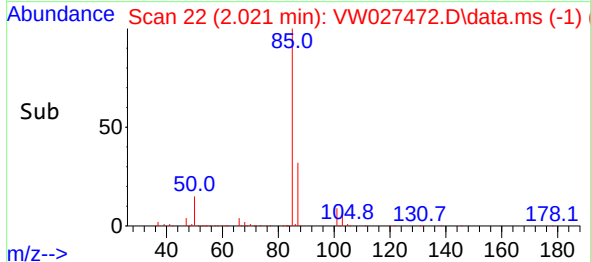
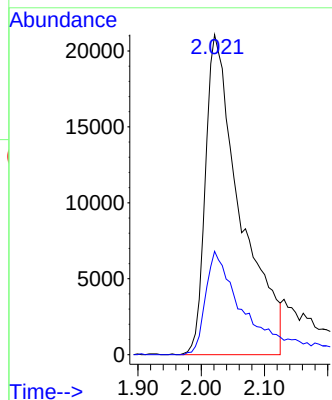
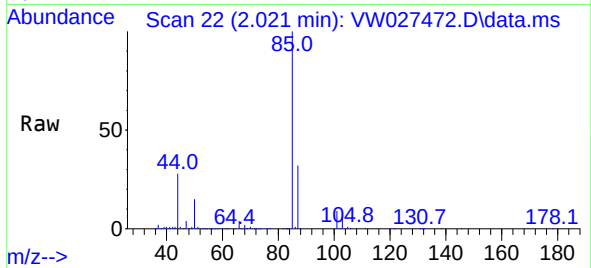




#2  
 Dichlorodifluoromethane  
 Concen: 20.181 ug/L  
 RT: 2.021 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VW027472.D  
 Acq: 27 Oct 2023 17:56

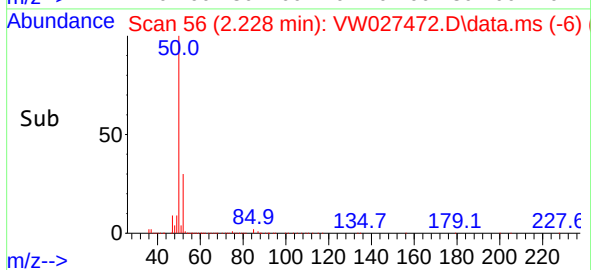
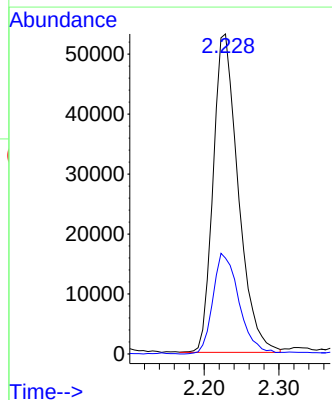
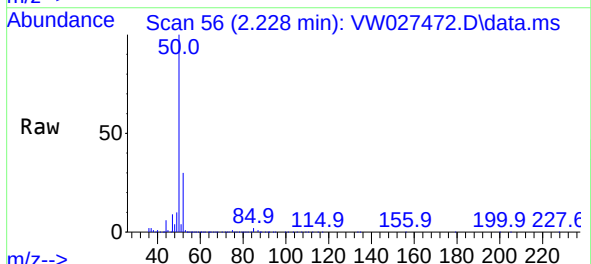
Instrument :  
 MSVOA\_W  
 ClientSampleId :

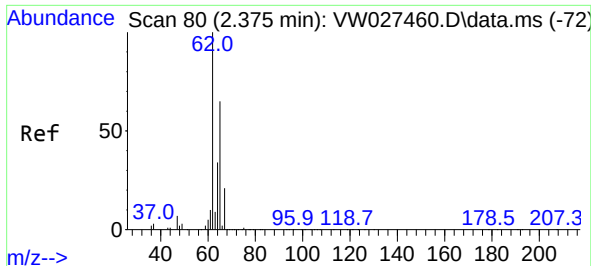
Tgt Ion: 85 Resp: 80830  
 Ion Ratio Lower Upper  
 85 100  
 87 33.0 18.3 27.5#



#3  
 Chloromethane  
 Concen: 26.956 ug/L  
 RT: 2.228 min Scan# 56  
 Delta R.T. 0.006 min  
 Lab File: VW027472.D  
 Acq: 27 Oct 2023 17:56

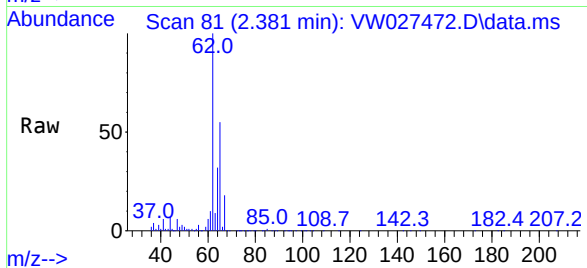
Tgt Ion: 50 Resp: 124075  
 Ion Ratio Lower Upper  
 50 100  
 52 30.0 22.7 42.3



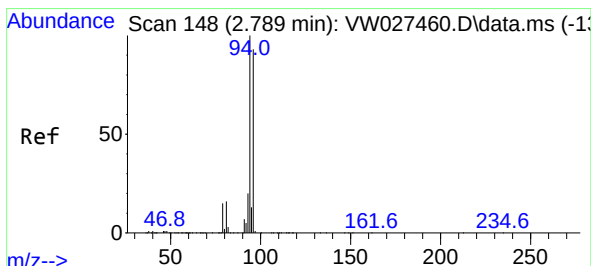
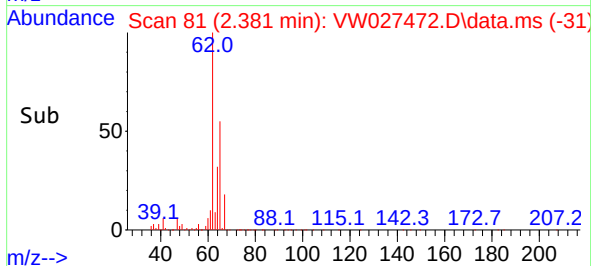
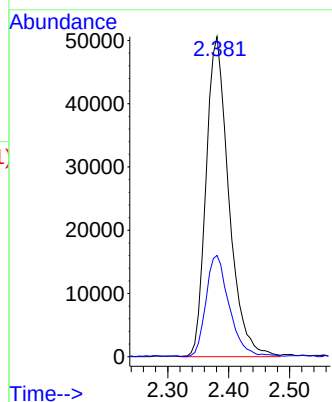


#5  
 Vinyl chloride  
 Concen: 25.499 ug/L  
 RT: 2.381 min Scan# 81  
 Delta R.T. 0.006 min  
 Lab File: VW027472.D  
 Acq: 27 Oct 2023 17:56

Instrument :  
 MSVOA\_W  
 ClientSampleId :

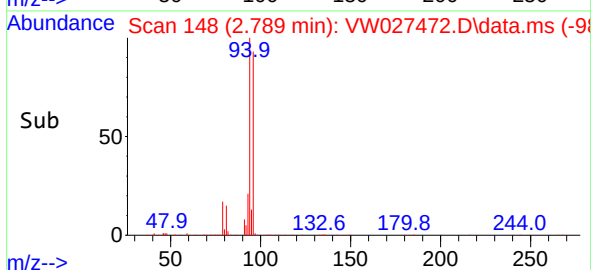
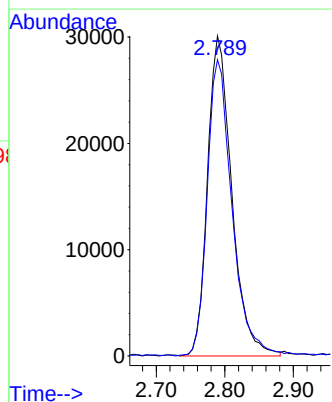
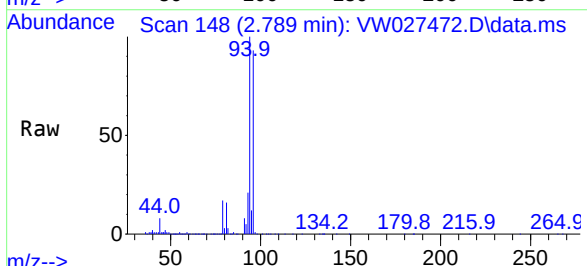


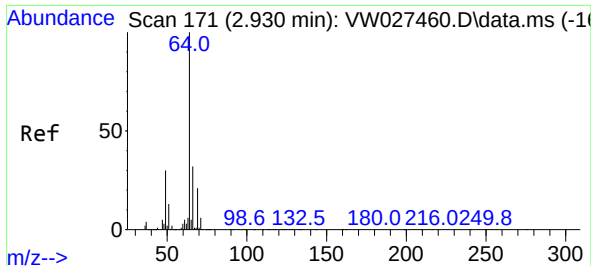
Tgt Ion: 62 Resp: 131104  
 Ion Ratio Lower Upper  
 62 100  
 64 31.7 23.8 44.2



#6  
 Bromomethane  
 Concen: 25.329 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. 0.006 min  
 Lab File: VW027472.D  
 Acq: 27 Oct 2023 17:56

Tgt Ion: 94 Resp: 74177  
 Ion Ratio Lower Upper  
 94 100  
 96 92.6 62.9 116.9

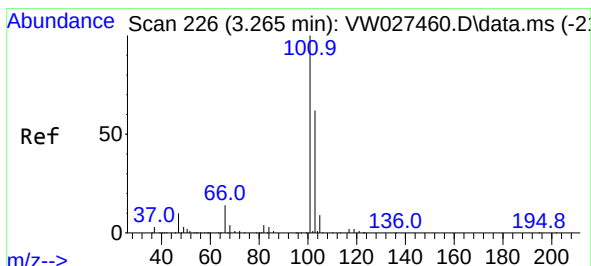
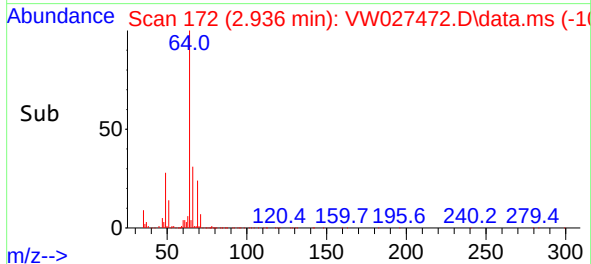
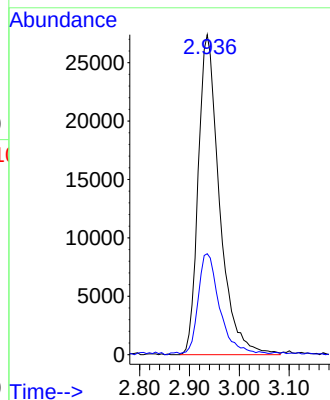
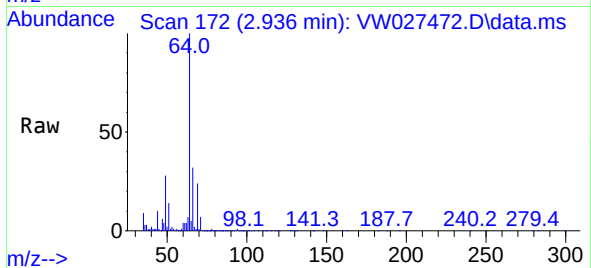




#8  
Chloroethane  
Concen: 27.417 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

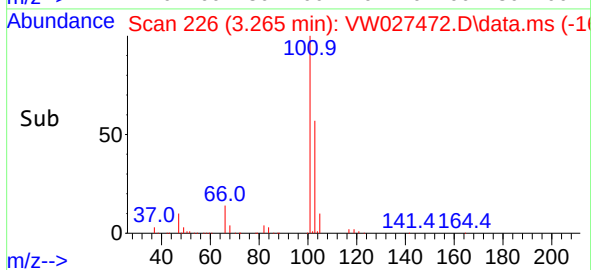
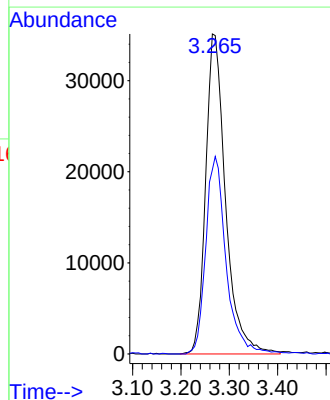
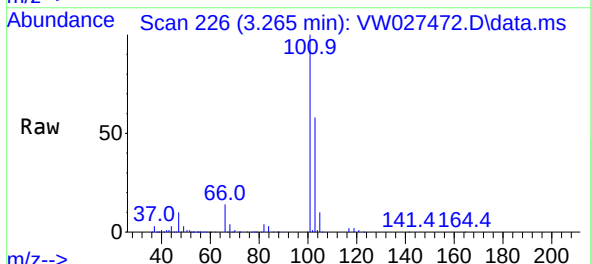
Instrument :  
MSVOA\_W  
ClientSampleId :

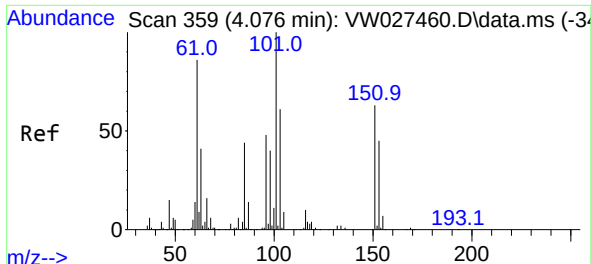
Tgt Ion: 64 Resp: 81144  
Ion Ratio Lower Upper  
64 100  
66 31.5 21.7 40.3



#9  
Trichlorofluoromethane  
Concen: 27.713 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Tgt Ion: 101 Resp: 100524  
Ion Ratio Lower Upper  
101 100  
103 62.7 51.6 77.4

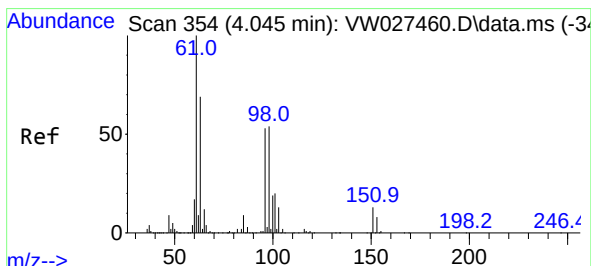
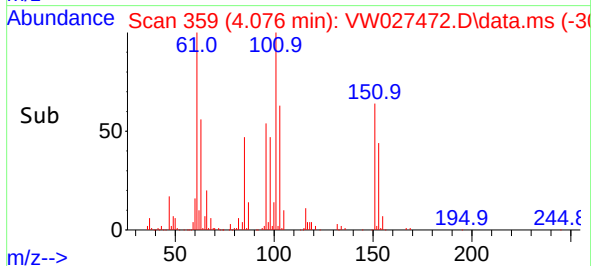
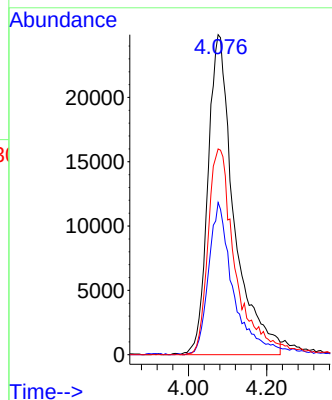
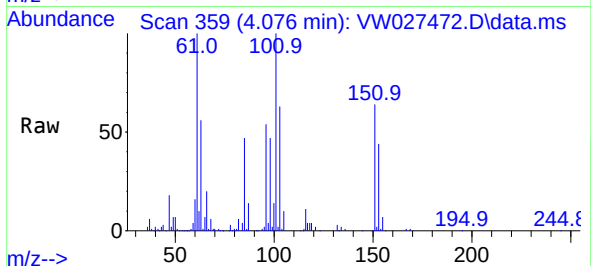




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 25.446 ug/L  
 RT: 4.076 min Scan# 359  
 Delta R.T. 0.006 min  
 Lab File: VW027472.D  
 Acq: 27 Oct 2023 17:56

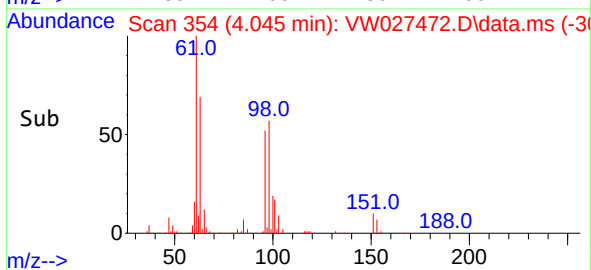
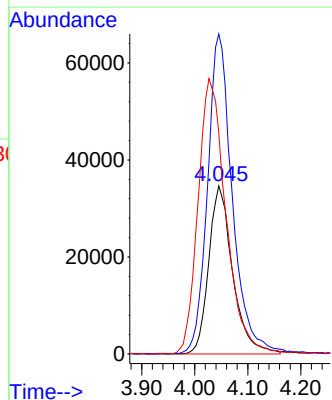
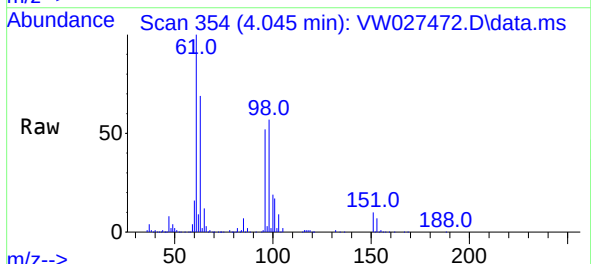
Instrument :  
 MSVOA\_W  
 ClientSampleId :

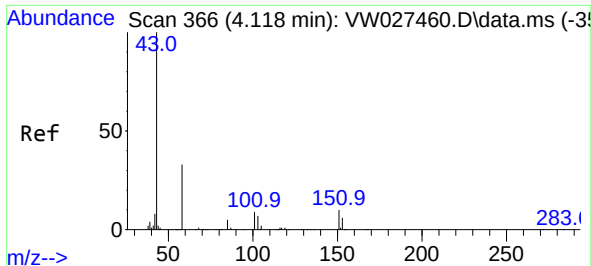
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 Ion Ratio Lower Upper  
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 85 45.2 34.1 51.1  
 151 60.0 49.5 74.3



#12  
 1,1-Dichloroethene  
 Concen: 24.593 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.000 min  
 Lab File: VW027472.D  
 Acq: 27 Oct 2023 17:56

Tgt Ion: 96 Resp: 108557  
 Ion Ratio Lower Upper  
 96 100  
 61 190.5 133.3 247.5  
 63 131.7 115.8 215.2

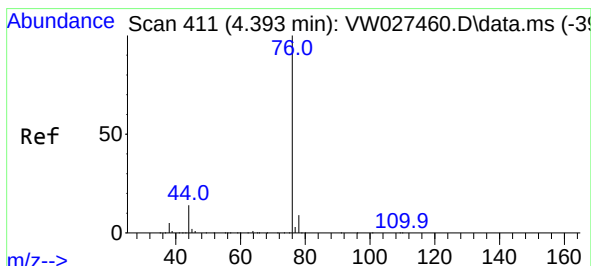
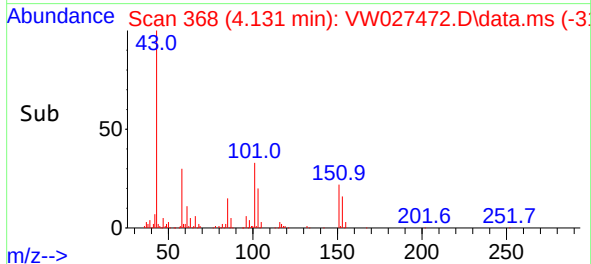
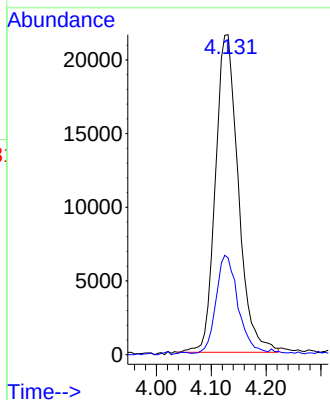
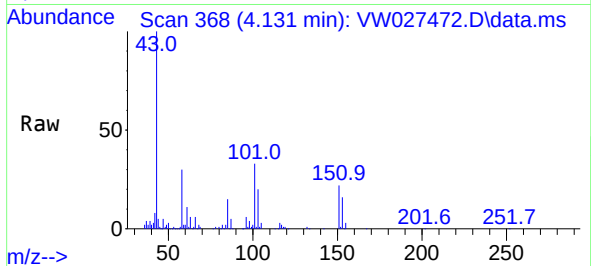




#13  
Acetone  
Concen: 42.437 ug/L  
RT: 4.131 min Scan# 368  
Delta R.T. 0.012 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

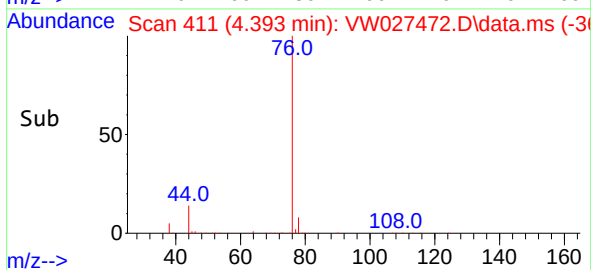
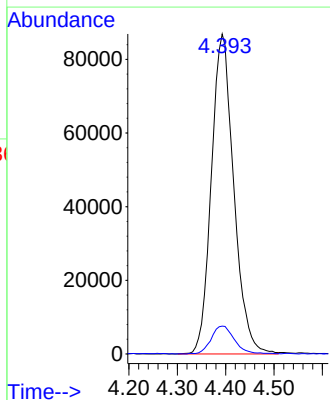
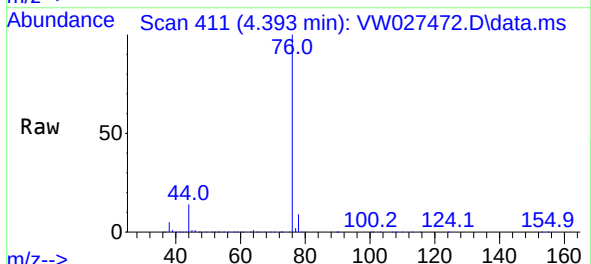
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 62587  
Ion Ratio Lower Upper  
43 100  
58 30.2 0.0 60.8

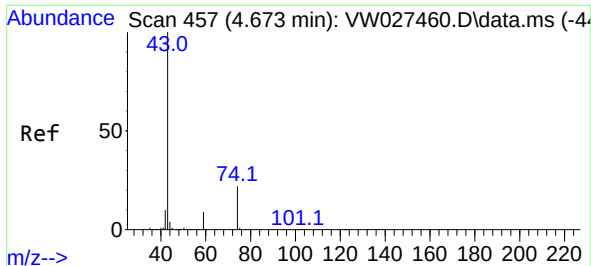


#14  
Carbon disulfide  
Concen: 20.448 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Tgt Ion: 76 Resp: 279813  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.2 10.8



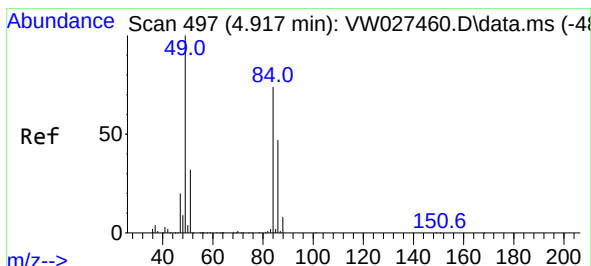
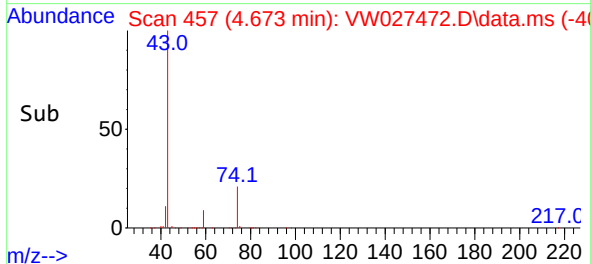
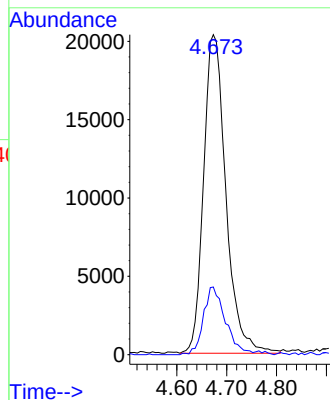
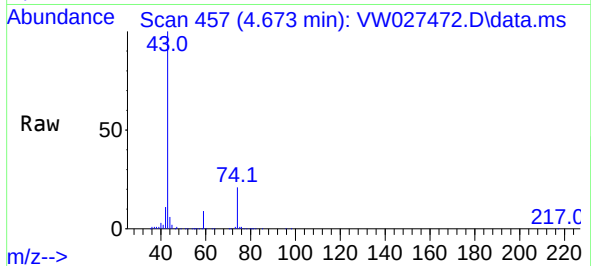




#15  
Methyl Acetate  
Concen: 25.120 ug/L  
RT: 4.673 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

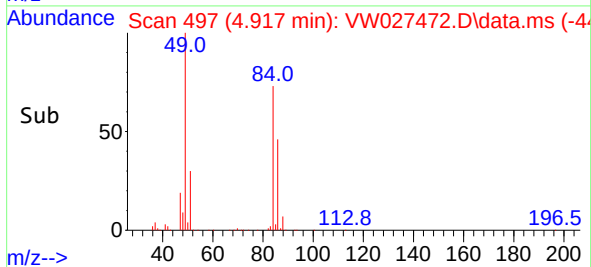
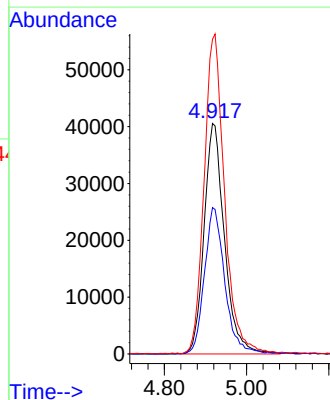
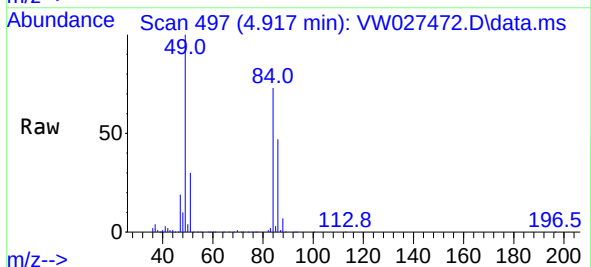
Instrument :  
MSVOA\_W  
ClientSampleId :

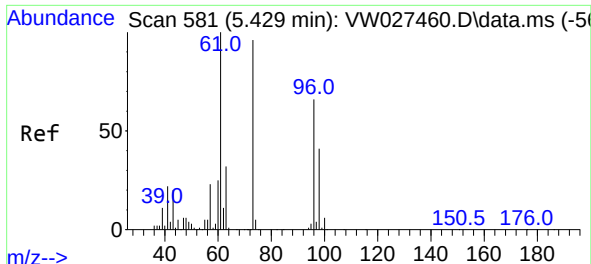
Tgt Ion: 43 Resp: 63276  
Ion Ratio Lower Upper  
43 100  
74 20.7 17.5 26.3



#16  
Methylene chloride  
Concen: 22.629 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

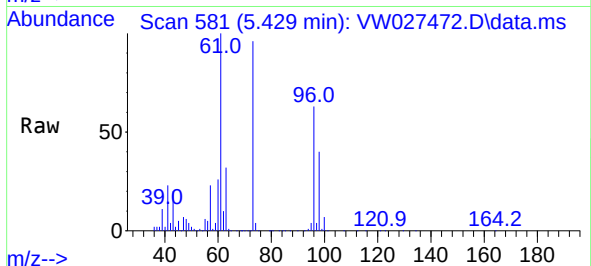
Tgt Ion: 84 Resp: 139435  
Ion Ratio Lower Upper  
84 100  
86 63.5 41.3 76.7  
49 136.5 92.8 172.4





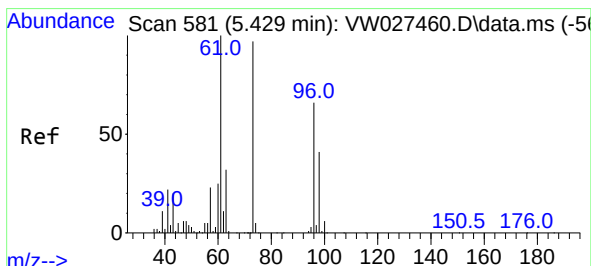
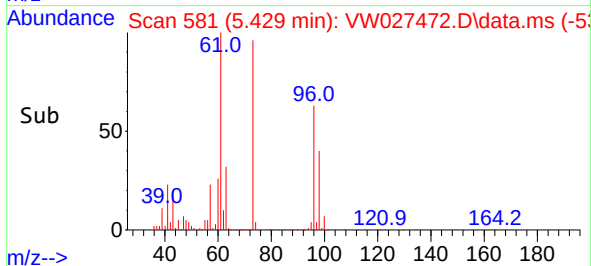
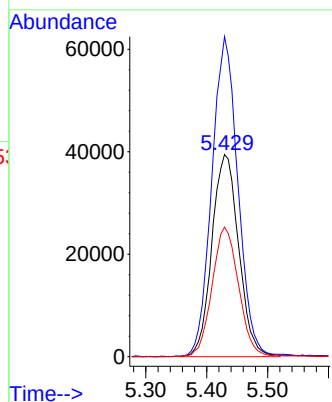
#17  
trans-1,2-Dichloroethene  
Concen: 25.416 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 96 Resp: 120571

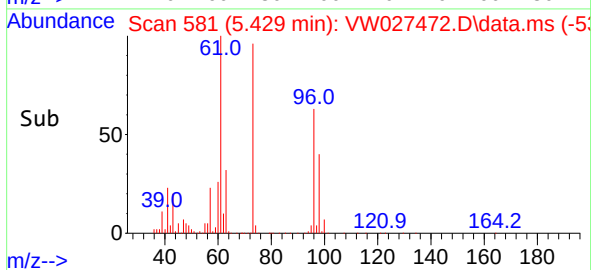
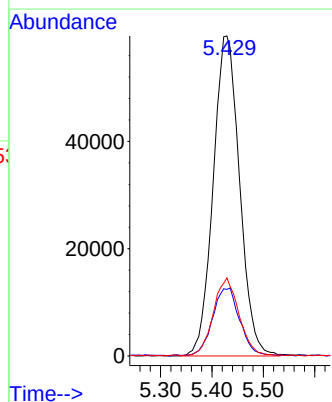
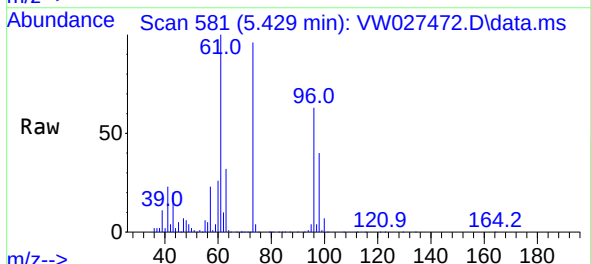
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 158.3 | 105.6 | 196.0 |
| 98  | 64.1  | 45.0  | 83.6  |

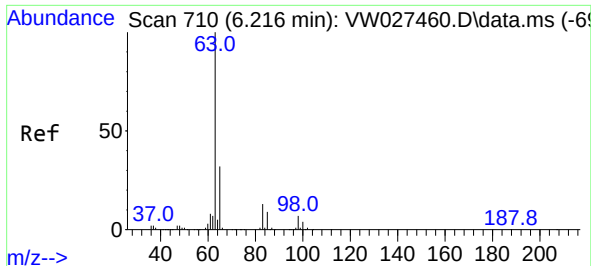


#18  
Methyl tert-butyl Ether  
Concen: 26.016 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Tgt Ion: 73 Resp: 212933

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 21.8  | 17.7  | 26.5  |
| 57  | 23.4  | 18.5  | 27.7  |





#19

1,1-Dichloroethane

Concen: 28.246 ug/L

RT: 6.222 min Scan# 711

Delta R.T. -0.000 min

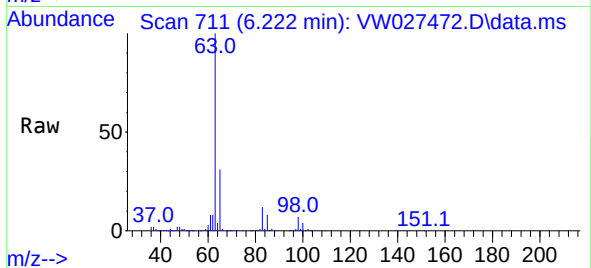
Lab File: VW027472.D

Acq: 27 Oct 2023 17:56

Instrument :

MSVOA\_W

ClientSampleId :



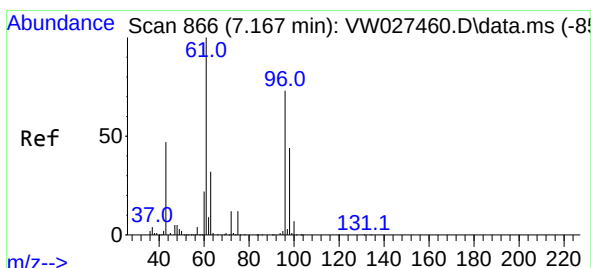
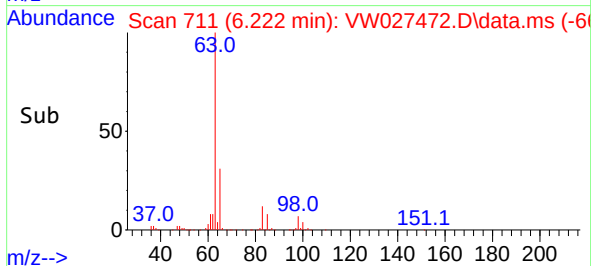
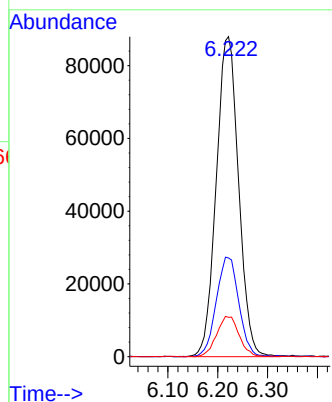
Tgt Ion: 63 Resp: 273388

Ion Ratio Lower Upper

63 100

65 30.8 22.9 42.5

83 12.3 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 26.863 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW027472.D

Acq: 27 Oct 2023 17:56

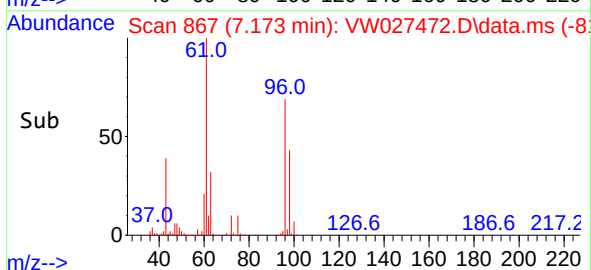
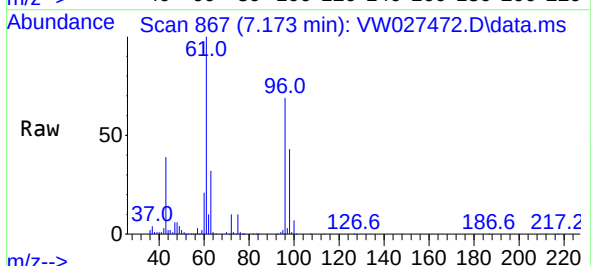
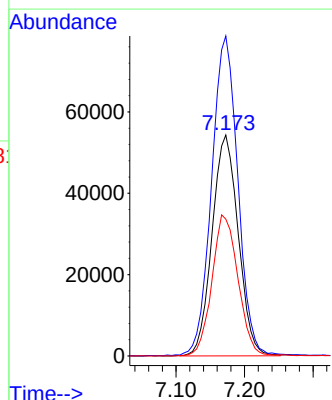
Tgt Ion: 96 Resp: 143916

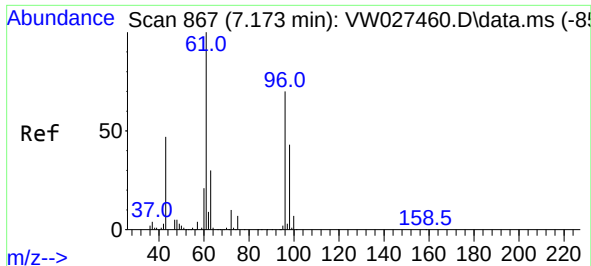
Ion Ratio Lower Upper

96 100

61 144.9 96.2 178.8

98 61.9 46.0 85.4

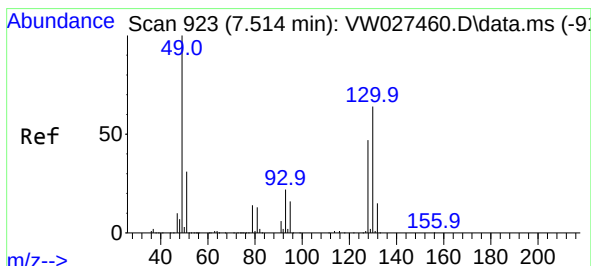
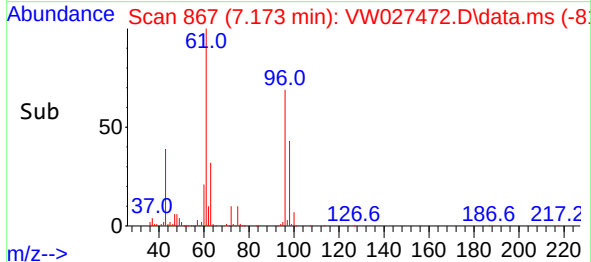
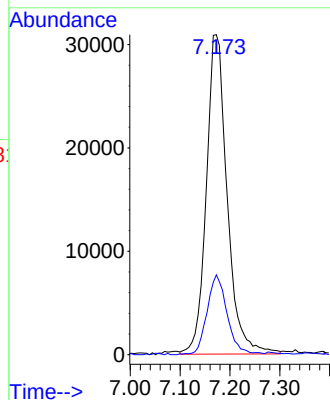
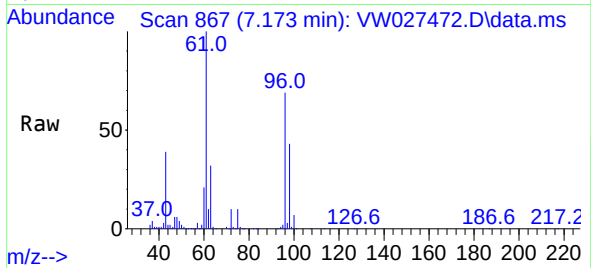




#22  
2-Butanone  
Concen: 40.748 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

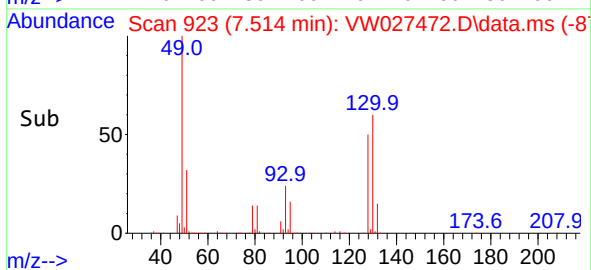
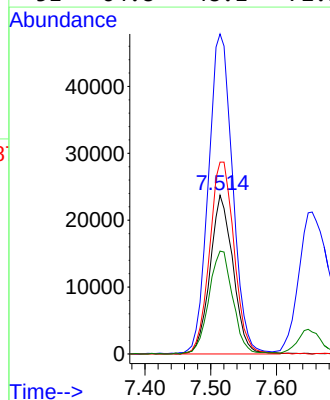
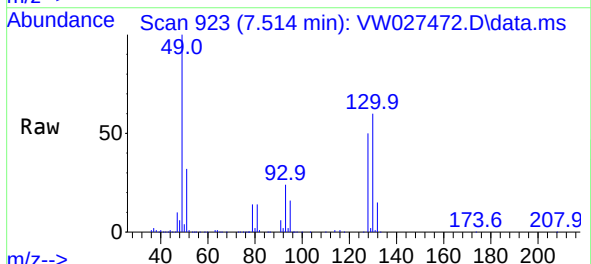
Instrument :  
MSVOA\_W  
ClientSampleId :

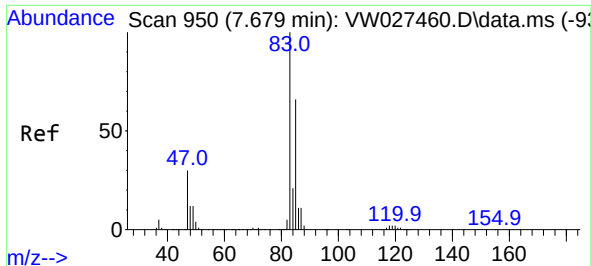
Tgt Ion: 43 Resp: 89951  
Ion Ratio Lower Upper  
43 100  
72 23.7 12.3 36.8



#23  
Bromochloromethane  
Concen: 26.059 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Tgt Ion: 128 Resp: 57637  
Ion Ratio Lower Upper  
128 100  
49 201.7 128.9 239.5  
130 120.9 85.0 157.8  
51 64.8 48.1 72.1

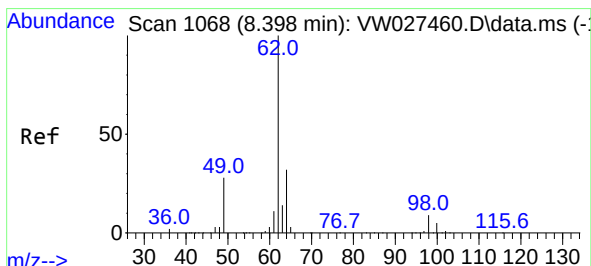
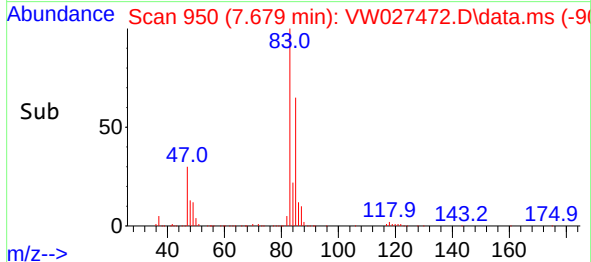
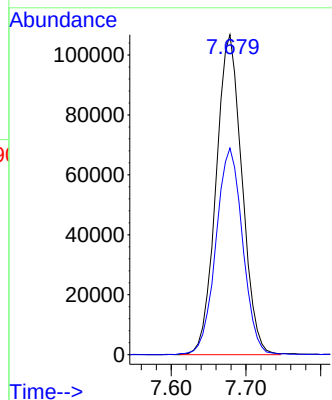
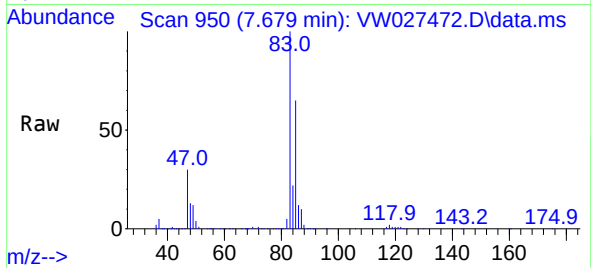




#25  
Chloroform  
Concen: 28.453 ug/L  
RT: 7.679 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

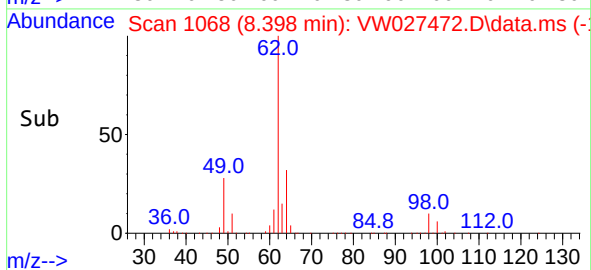
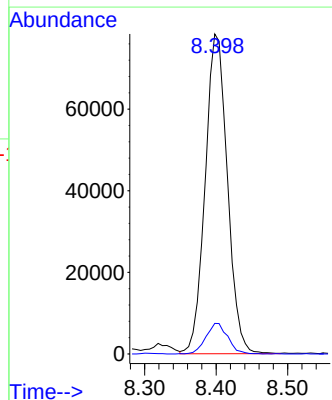
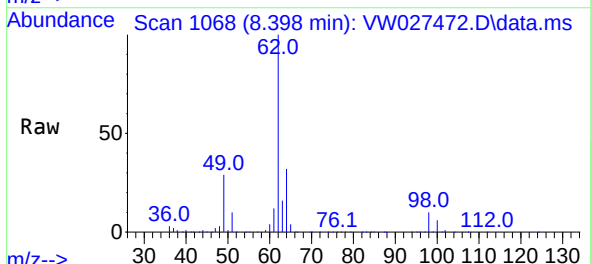
Instrument :  
MSVOA\_W  
ClientSampleId :

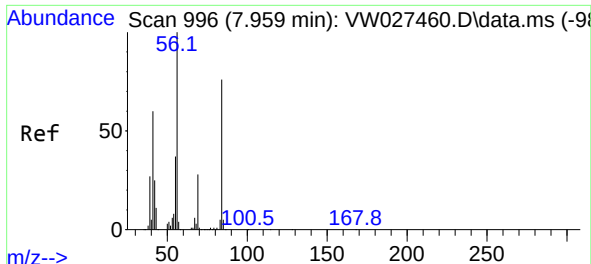
Tgt Ion: 83 Resp: 257745  
Ion Ratio Lower Upper  
83 100  
85 64.6 44.1 81.9



#27  
1,2-Dichloroethane  
Concen: 27.516 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

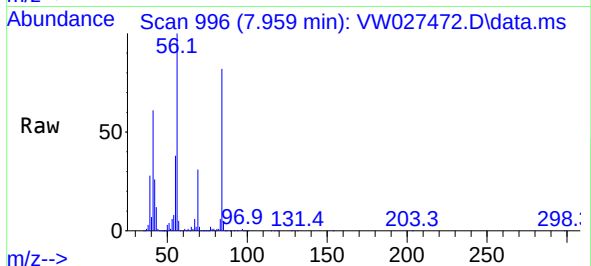
Tgt Ion: 62 Resp: 169320  
Ion Ratio Lower Upper  
62 100  
98 9.6 7.5 11.3



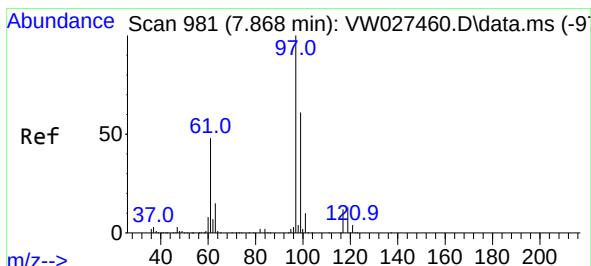
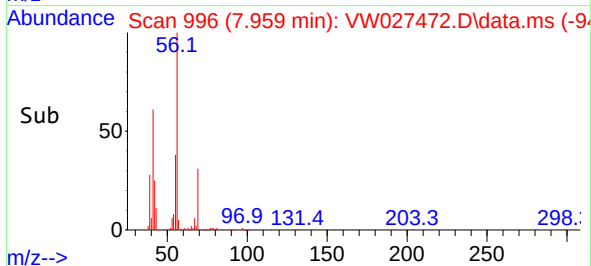
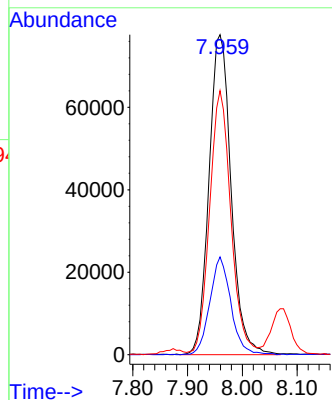


#29  
Cyclohexane  
Concen: 22.261 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Instrument :  
MSVOA\_W  
ClientSampleId :

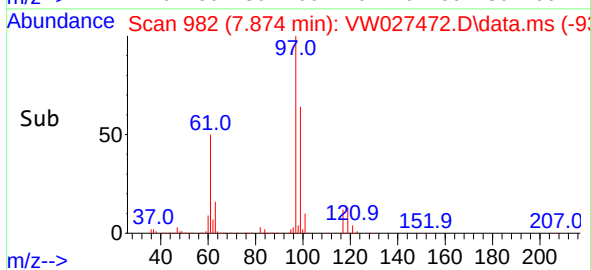
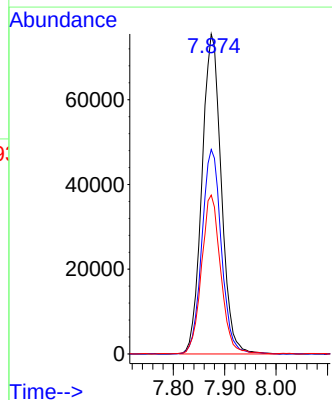
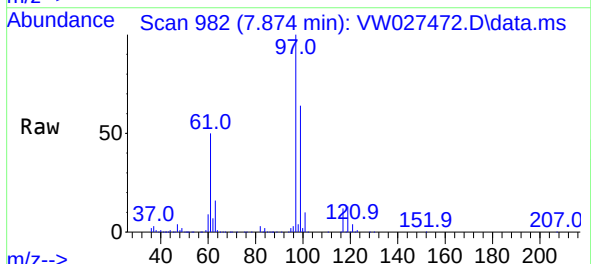


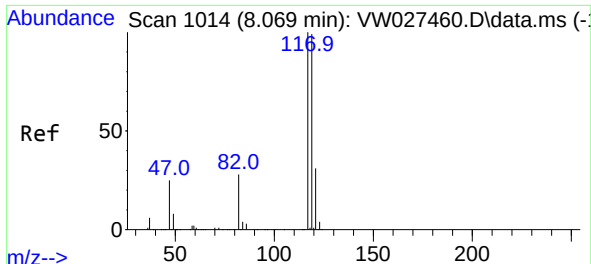
Tgt Ion: 56 Resp: 217565  
Ion Ratio Lower Upper  
56 100  
69 28.3 24.2 36.4  
84 79.2 65.1 97.7



#30  
1,1,1-Trichloroethane  
Concen: 25.143 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

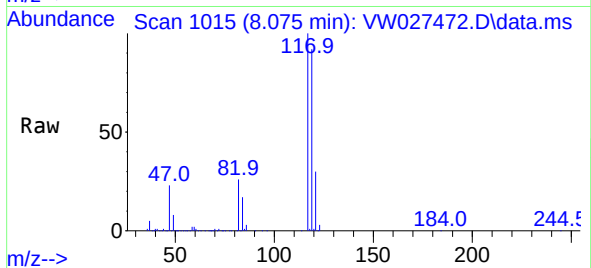
Tgt Ion: 97 Resp: 197415  
Ion Ratio Lower Upper  
97 100  
99 64.3 51.4 77.0  
61 48.9 37.4 56.0



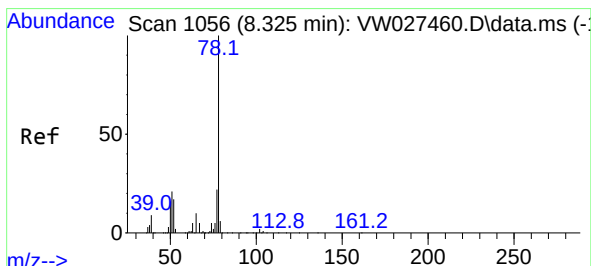
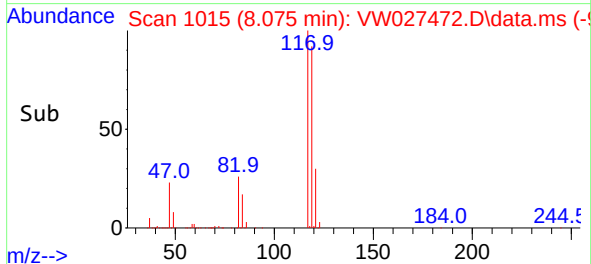
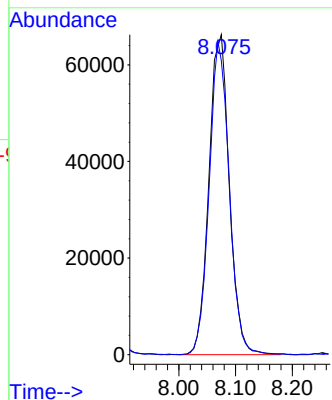


#31  
Carbon tetrachloride  
Concen: 23.464 ug/L  
RT: 8.075 min Scan# 1014  
Delta R.T. 0.006 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Instrument :  
MSVOA\_W  
ClientSampleId :

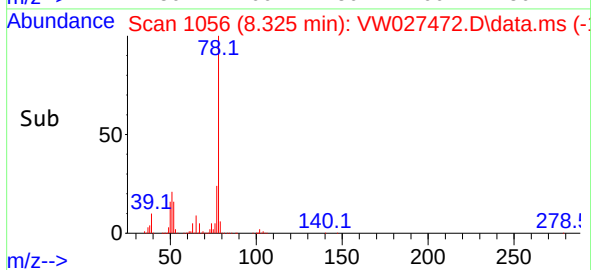
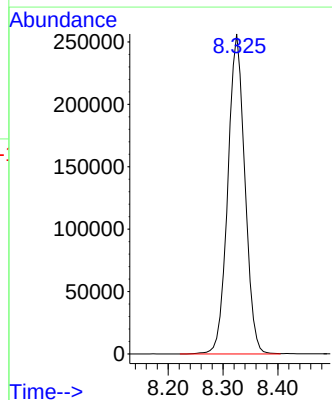
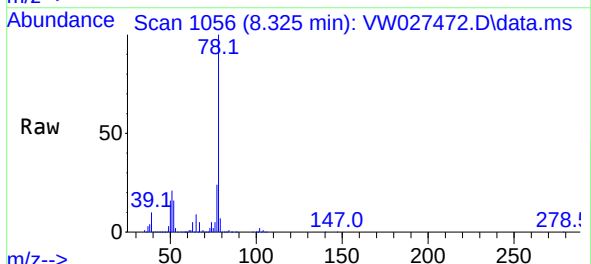


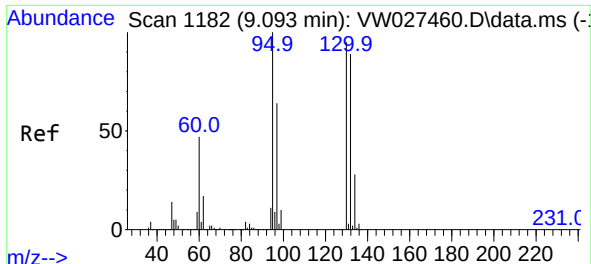
Tgt Ion:117 Resp: 166126  
Ion Ratio Lower Upper  
117 100  
119 96.2 77.1 115.7



#33  
Benzene  
Concen: 26.350 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

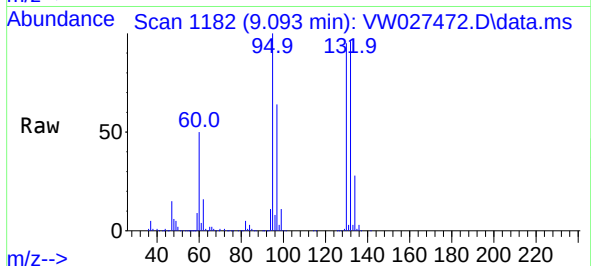
Tgt Ion: 78 Resp: 554300





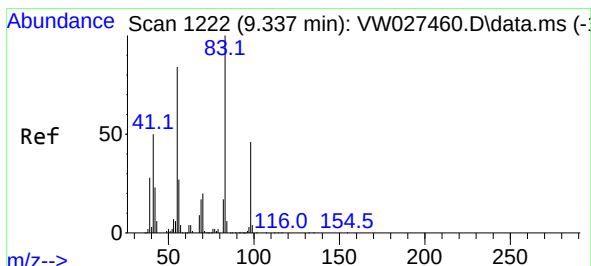
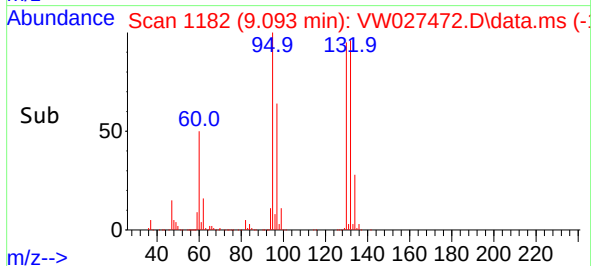
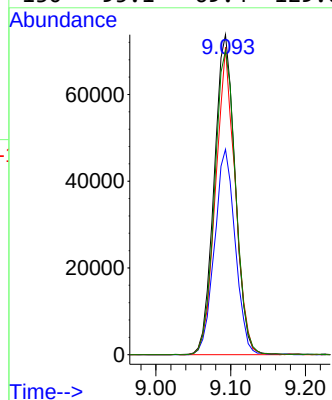
#34  
Trichloroethene  
Concen: 25.888 ug/L  
RT: 9.093 min Scan# 1182  
Delta R.T. 0.006 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 95 Resp: 143855

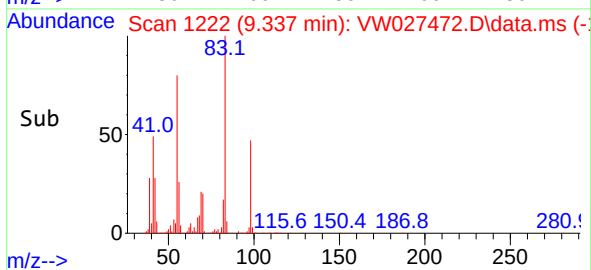
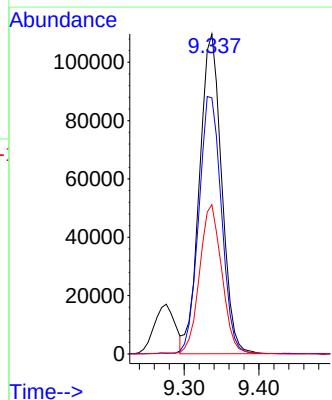
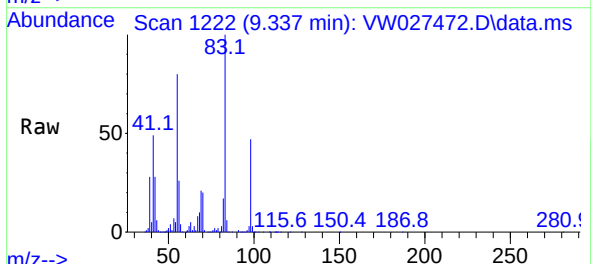
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.1  | 43.4  | 80.6  |
| 132 | 96.1  | 67.6  | 125.6 |
| 130 | 95.1  | 69.4  | 129.0 |



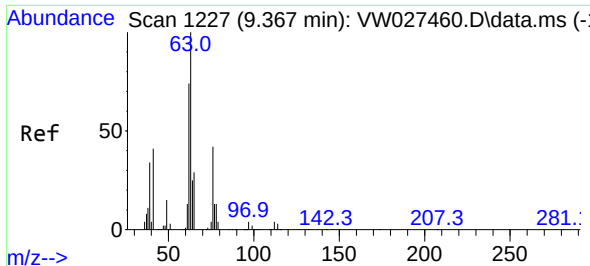
#35  
Methylcyclohexane  
Concen: 22.643 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Tgt Ion: 83 Resp: 225003

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 82.5  | 65.8  | 98.8  |
| 98  | 46.8  | 38.1  | 57.1  |







#37

1,2-Dichloropropane

Concen: 27.897 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW027472.D

Acq: 27 Oct 2023 17:56

Instrument :

MSVOA\_W

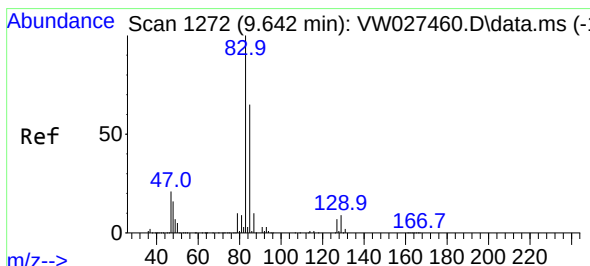
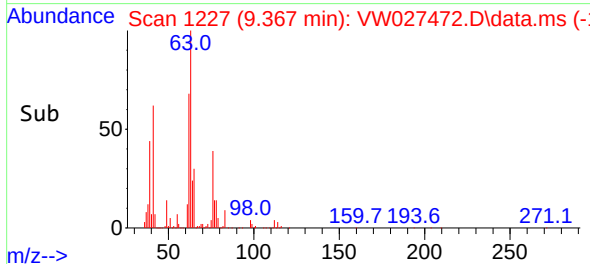
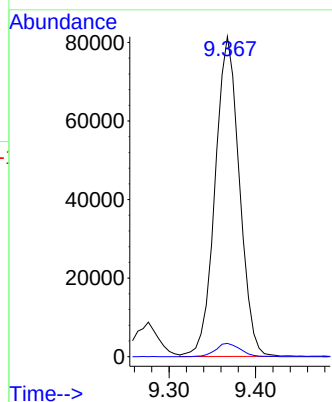
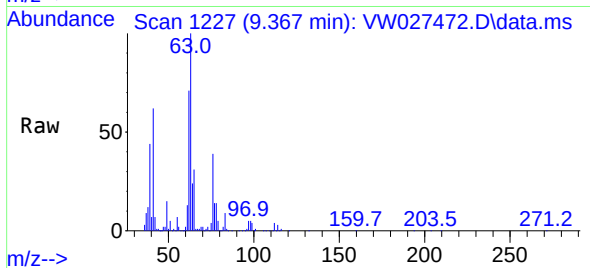
ClientSampleId :

Tgt Ion: 63 Resp: 158676

Ion Ratio Lower Upper

63 100

112 4.2 3.5 5.3



#38

Bromodichloromethane

Concen: 26.052 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW027472.D

Acq: 27 Oct 2023 17:56

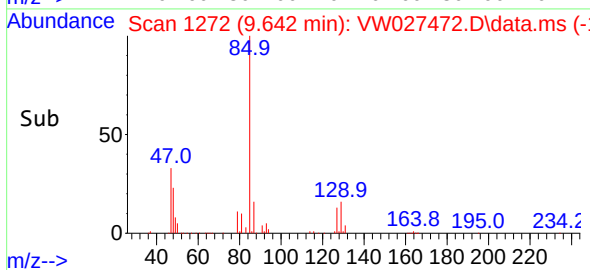
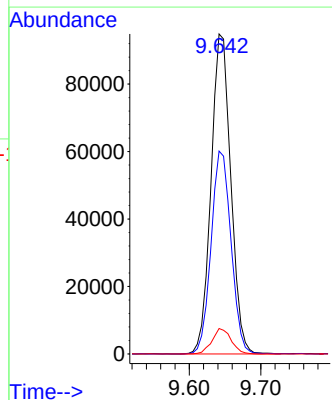
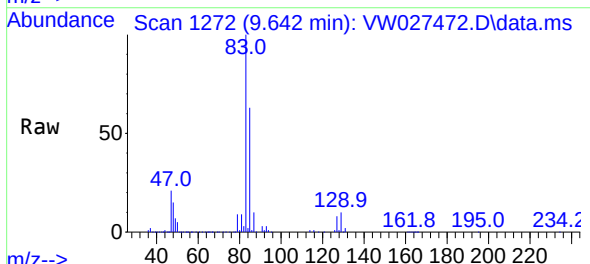
Tgt Ion: 83 Resp: 182214

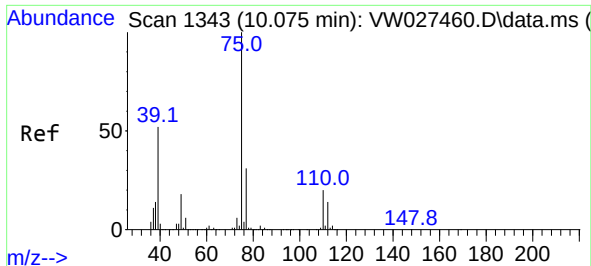
Ion Ratio Lower Upper

83 100

85 63.4 43.9 81.5

127 7.9 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 23.735 ug/L

RT: 10.068 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW027472.D

Acq: 27 Oct 2023 17:56

Instrument :

MSVOA\_W

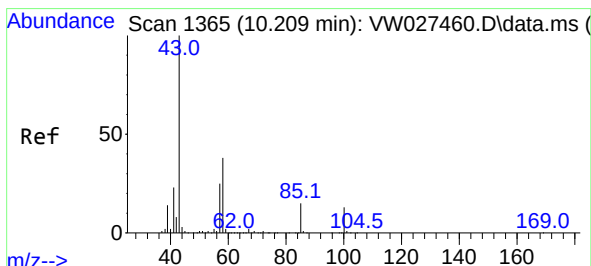
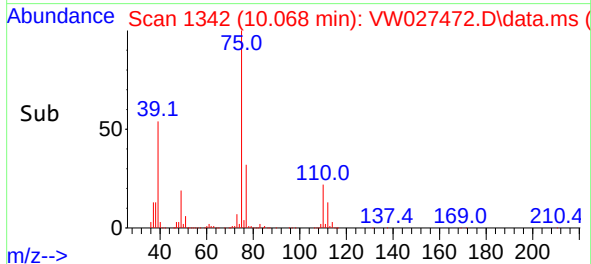
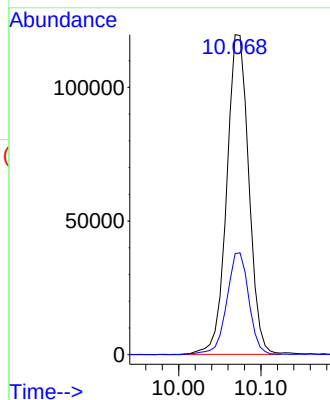
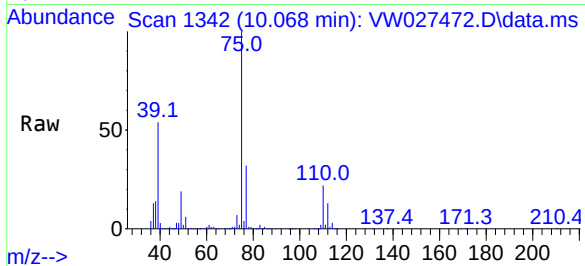
ClientSampleId :

Tgt Ion: 75 Resp: 223009

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 48.767 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW027472.D

Acq: 27 Oct 2023 17:56

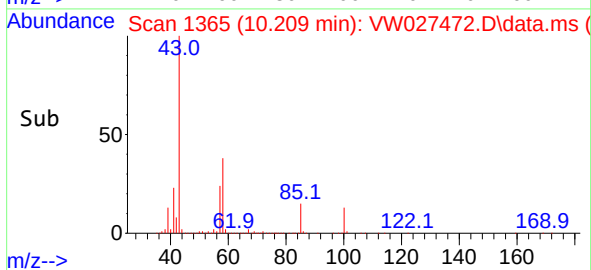
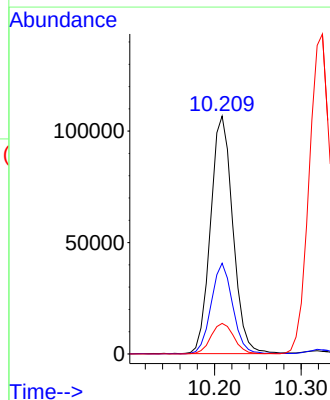
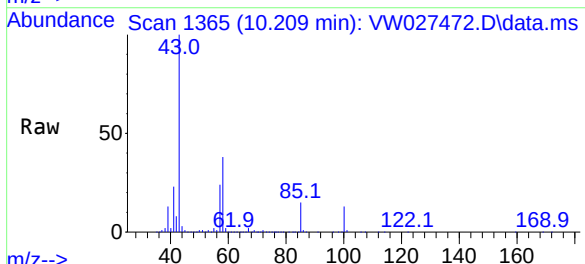
Tgt Ion: 43 Resp: 190761

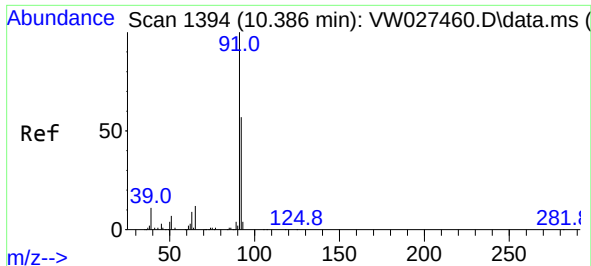
Ion Ratio Lower Upper

43 100

58 36.9 30.5 45.7

100 13.3 11.5 17.3

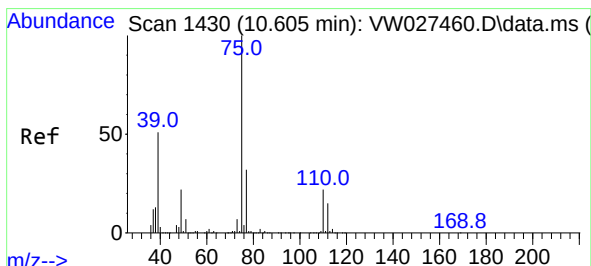
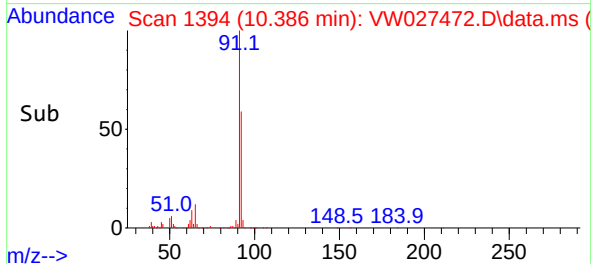
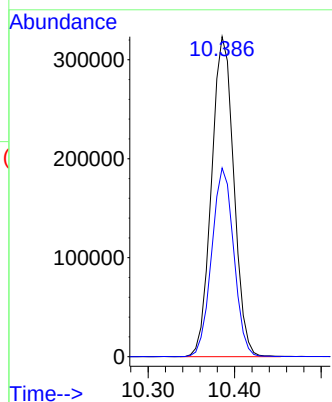
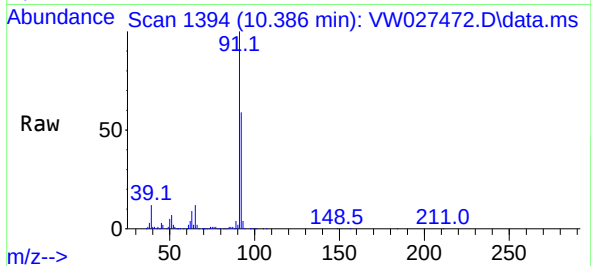




#42  
Toluene  
Concen: 26.176 ug/L  
RT: 10.386 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

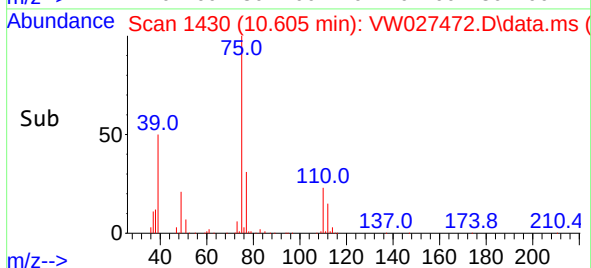
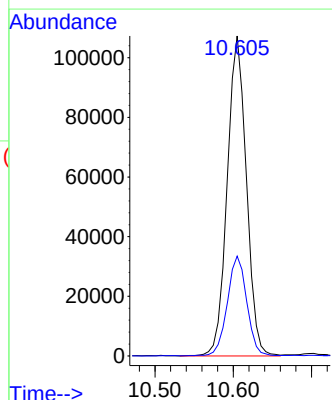
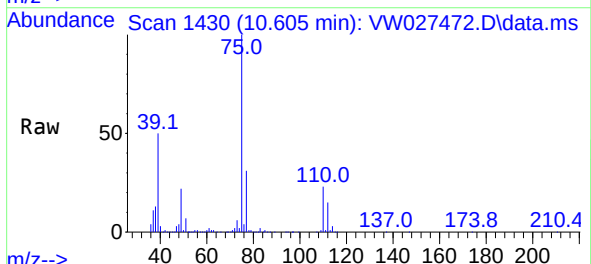
Instrument :  
MSVOA\_W  
ClientSampleId :

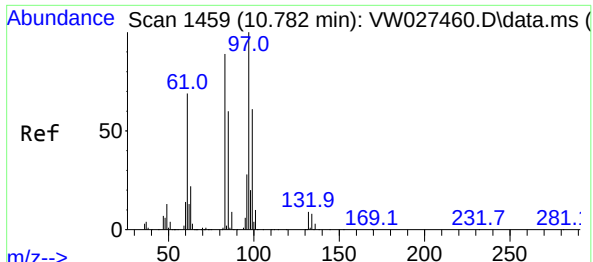
Tgt Ion: 91 Resp: 577640  
Ion Ratio Lower Upper  
91 100  
92 58.9 42.1 78.1



#44  
trans-1,3-Dichloropropene  
Concen: 23.035 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Tgt Ion: 75 Resp: 182622  
Ion Ratio Lower Upper  
75 100  
77 31.2 22.0 41.0



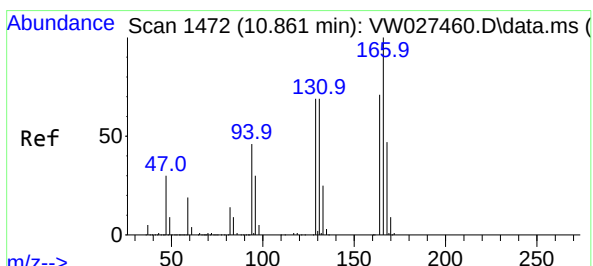
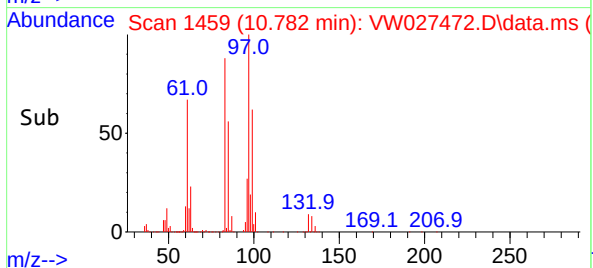
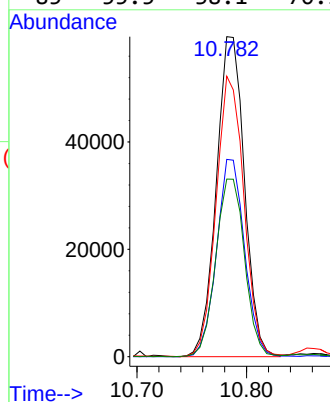
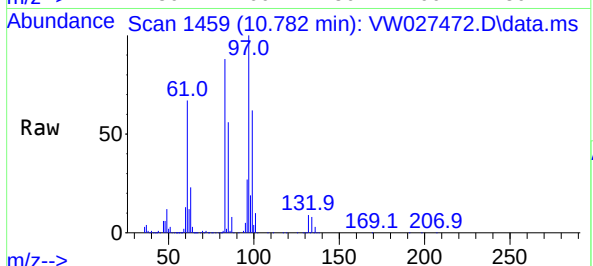


#45  
1,1,2-Trichloroethane  
Concen: 27.190 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 97 Resp: 106424

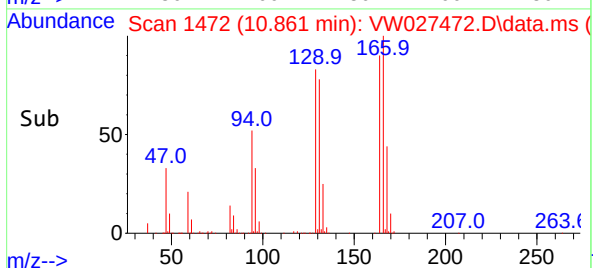
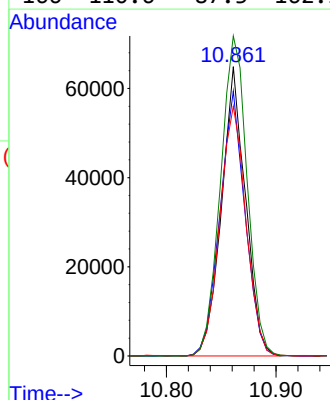
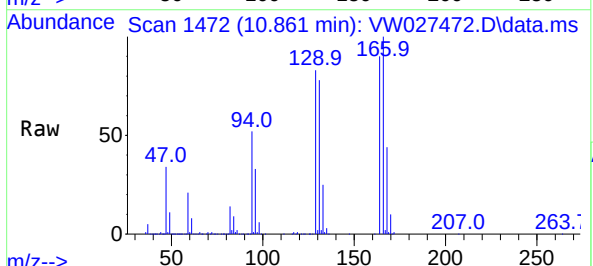
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 61.7  | 43.8  | 81.4  |
| 83  | 87.6  | 57.5  | 106.7 |
| 85  | 55.5  | 38.1  | 70.9  |

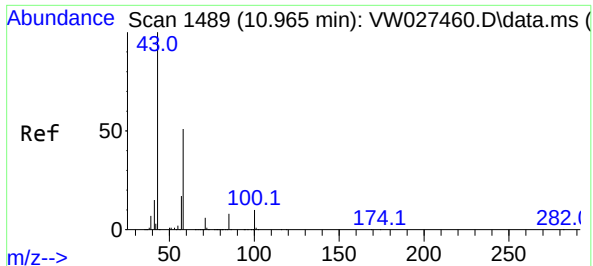


#46  
Tetrachloroethene  
Concen: 25.689 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Tgt Ion:164 Resp: 98567

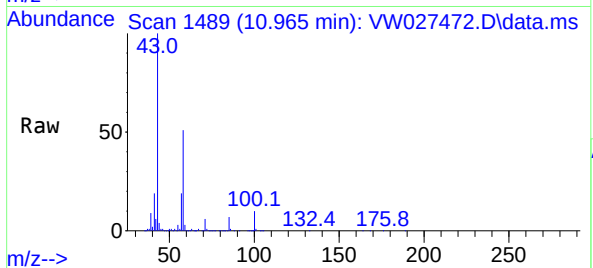
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 91.5  | 74.7  | 138.7 |
| 131 | 86.3  | 73.2  | 136.0 |
| 166 | 110.6 | 87.3  | 162.1 |





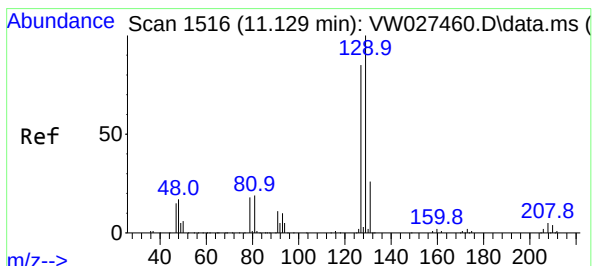
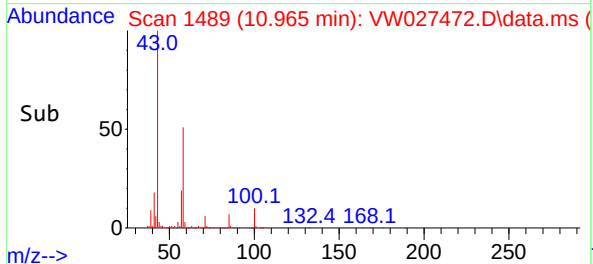
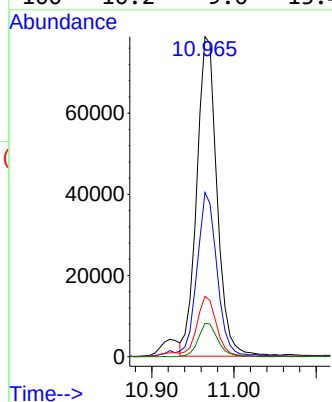
#48  
2-Hexanone  
Concen: 46.602 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 43 Resp: 134924

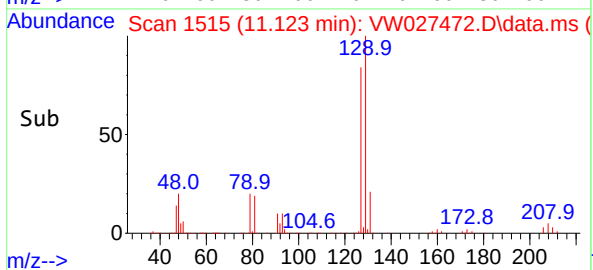
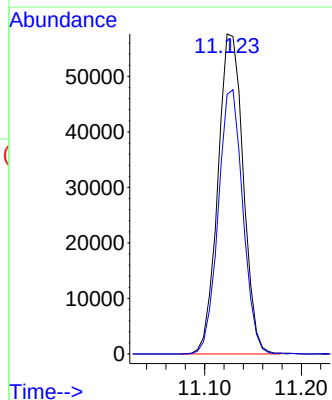
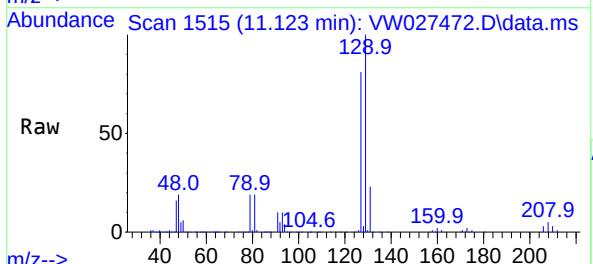
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 50.9  | 42.2  | 63.4  |
| 57  | 18.4  | 15.1  | 22.7  |
| 100 | 10.2  | 9.0   | 13.4  |

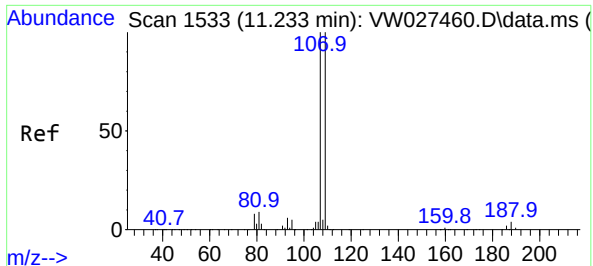


#49  
Dibromochloromethane  
Concen: 24.150 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. -0.006 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Tgt Ion: 129 Resp: 104978

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 81.1  | 51.7  | 95.9  |





#50

1,2-Dibromoethane

Concen: 24.576 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

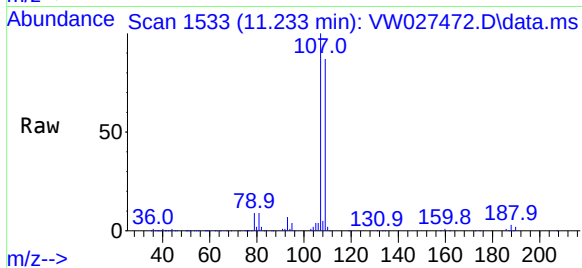
Lab File: VW027472.D

Acq: 27 Oct 2023 17:56

Instrument :

MSVOA\_W

ClientSampleId :



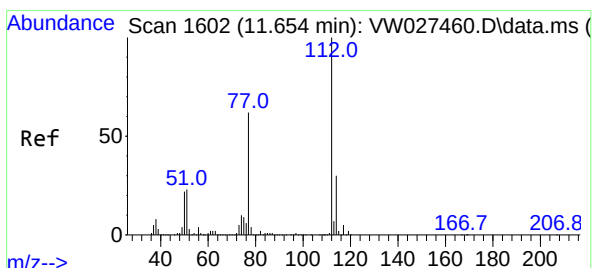
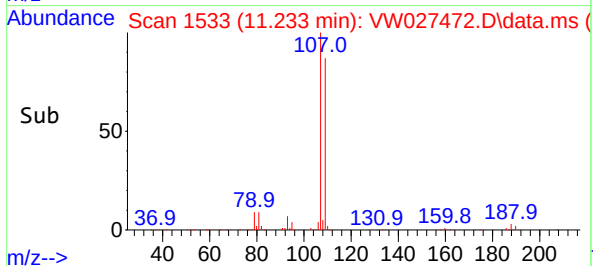
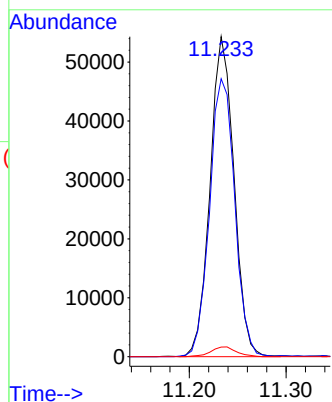
Tgt Ion:107 Resp: 93263

Ion Ratio Lower Upper

107 100

109 86.9 66.3 123.1

188 3.0 3.0 4.4



#51

Chlorobenzene

Concen: 26.917 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW027472.D

Acq: 27 Oct 2023 17:56

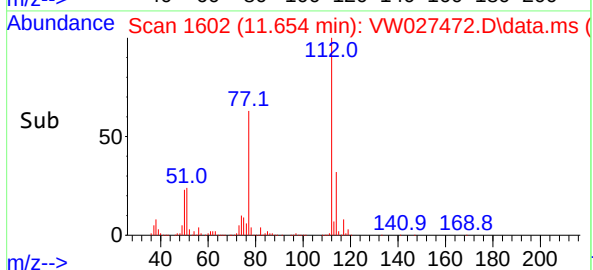
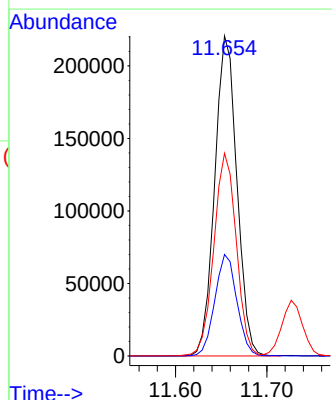
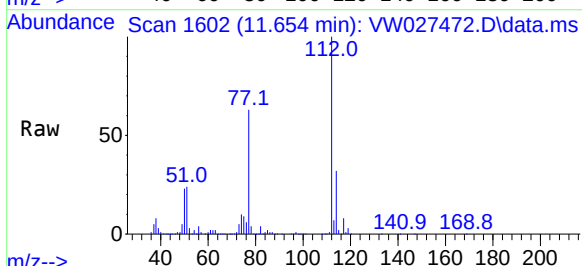
Tgt Ion:112 Resp: 371966

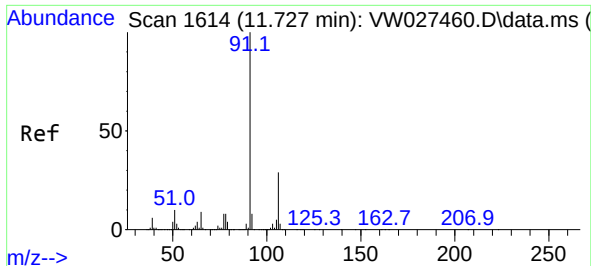
Ion Ratio Lower Upper

112 100

114 31.7 21.8 40.6

77 63.4 52.2 78.4

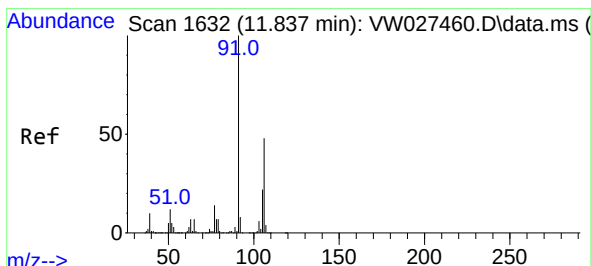
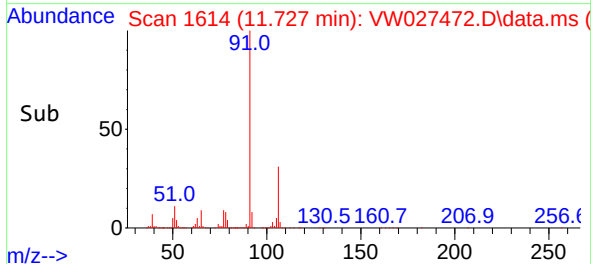
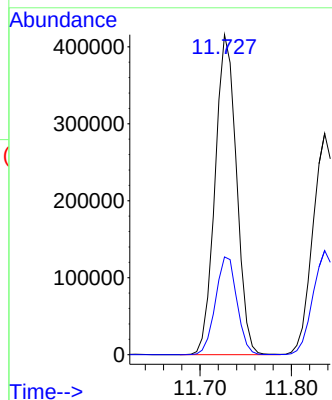
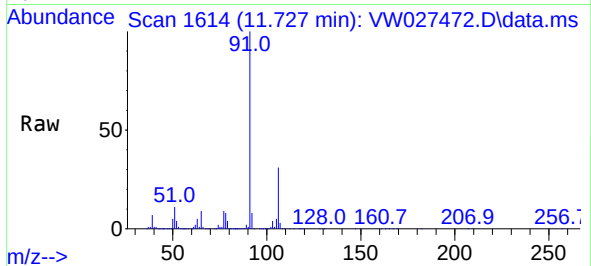




#52  
Ethylbenzene  
Concen: 26.381 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

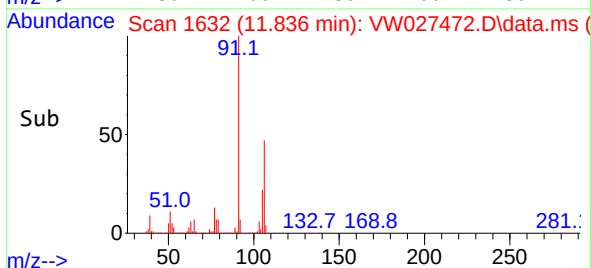
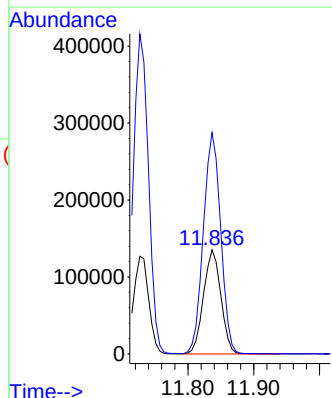
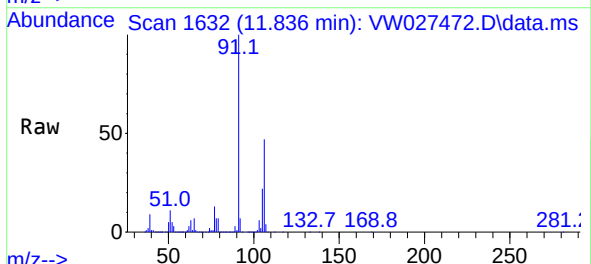
Instrument :  
MSVOA\_W  
ClientSampleId :

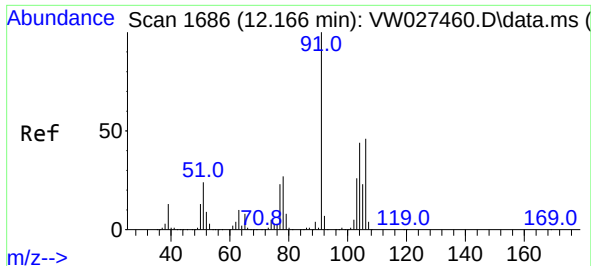
Tgt Ion: 91 Resp: 676515  
Ion Ratio Lower Upper  
91 100  
106 30.6 19.8 36.8



#53  
m,p-Xylene  
Concen: 25.529 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Tgt Ion:106 Resp: 248309  
Ion Ratio Lower Upper  
106 100  
91 212.4 144.5 268.4

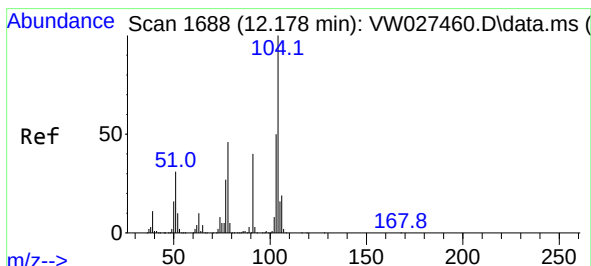
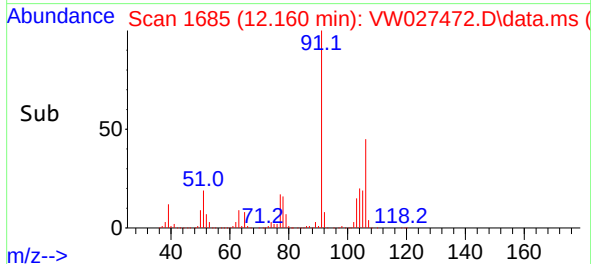
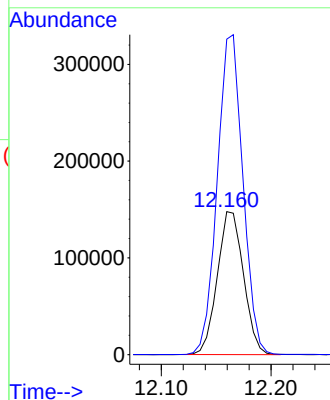
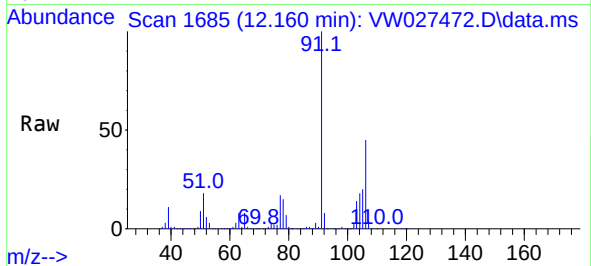




#54  
o-Xylene  
Concen: 26.314 ug/L  
RT: 12.160 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

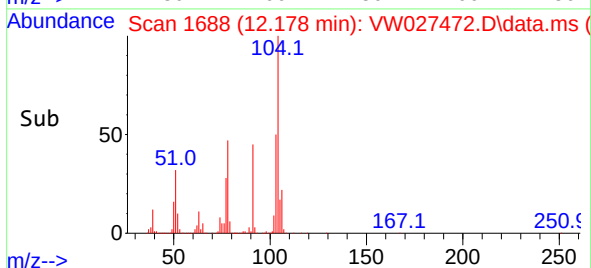
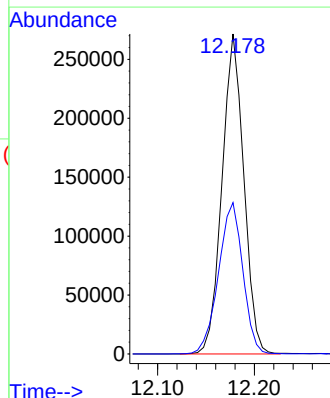
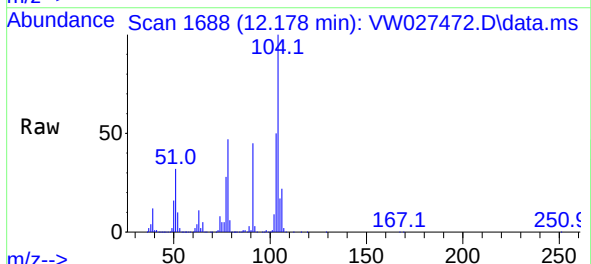
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:106 Resp: 245098  
Ion Ratio Lower Upper  
106 100  
91 220.4 152.0 282.2

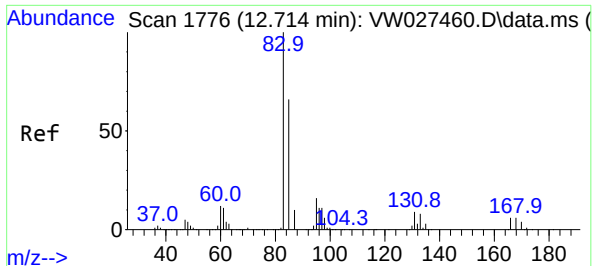


#55  
Styrene  
Concen: 26.689 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Tgt Ion:104 Resp: 424556  
Ion Ratio Lower Upper  
104 100  
78 47.3 33.2 61.6



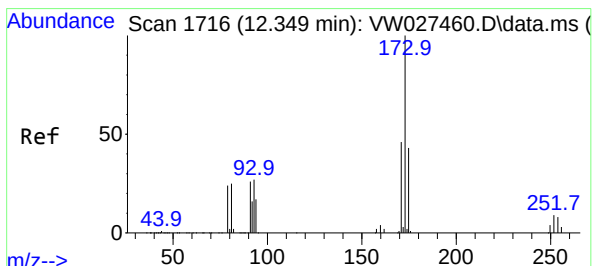
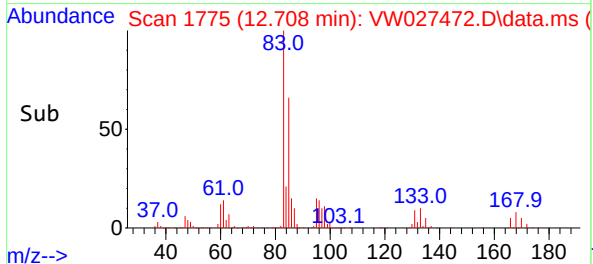
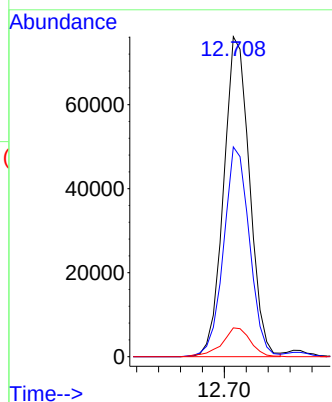
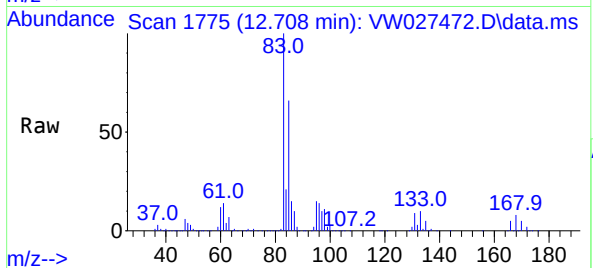




#57  
1,1,2-Tetrachloroethane  
Concen: 26.094 ug/L  
RT: 12.708 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

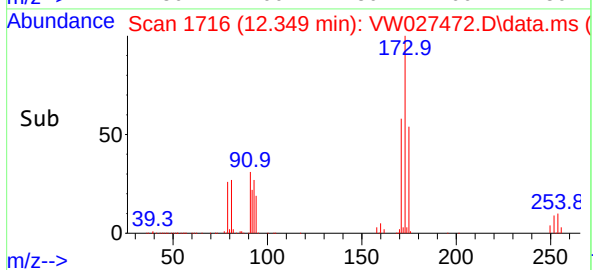
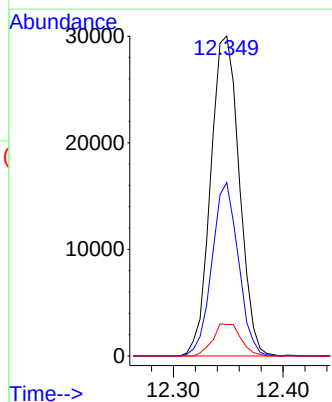
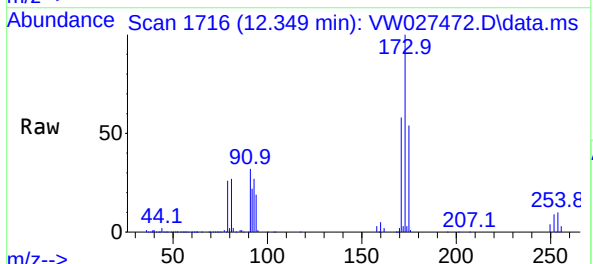
Instrument :  
MSVOA\_W  
ClientSampleId :

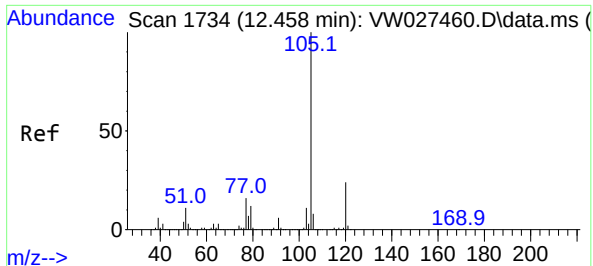
Tgt Ion: 83 Resp: 124680  
Ion Ratio Lower Upper  
83 100  
85 65.5 43.2 80.2  
131 9.0 7.2 10.8



#59  
Bromoform  
Concen: 20.683 ug/L  
RT: 12.349 min Scan# 1716  
Delta R.T. 0.006 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

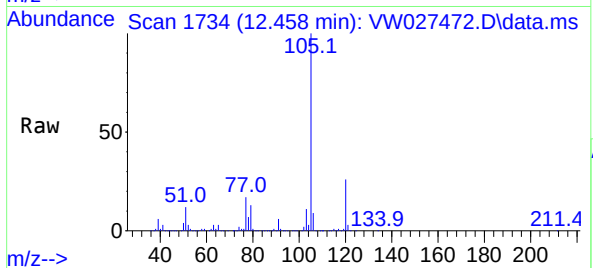
Tgt Ion:173 Resp: 54483  
Ion Ratio Lower Upper  
173 100  
175 50.0 39.6 59.4  
254 9.8 6.6 10.0



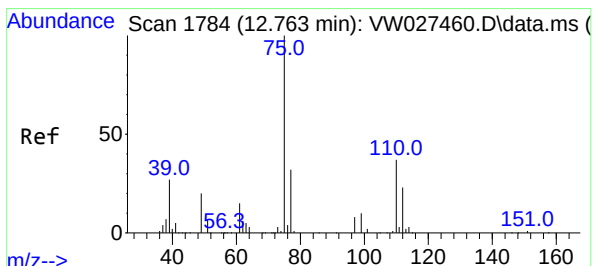
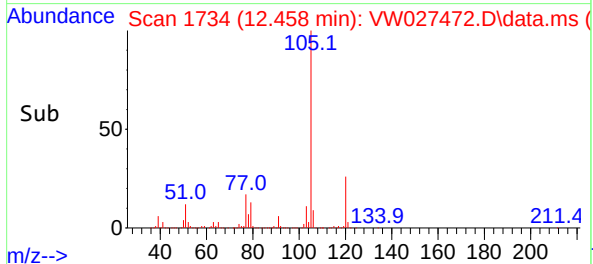
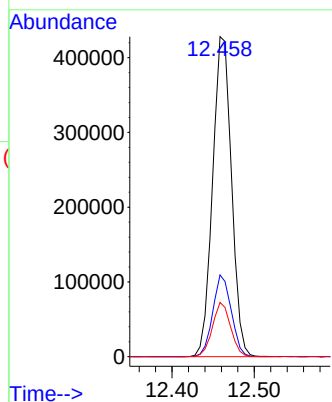


#60  
Isopropylbenzene  
Concen: 24.539 ug/L  
RT: 12.458 min Scan# 1734  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Instrument :  
MSVOA\_W  
ClientSampleId :

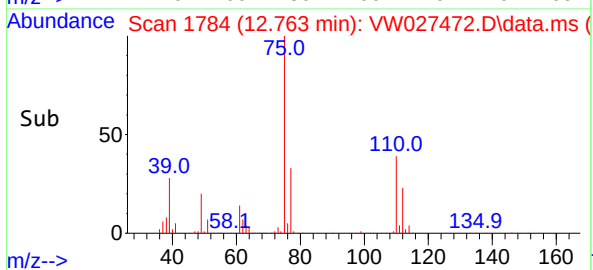
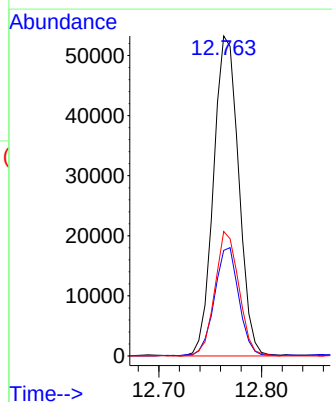
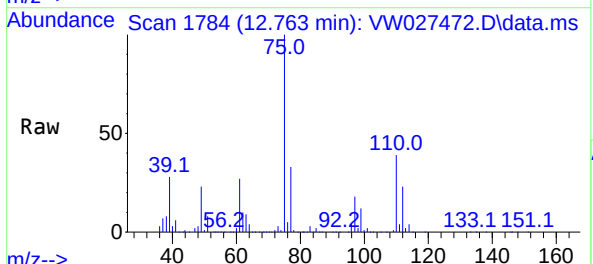


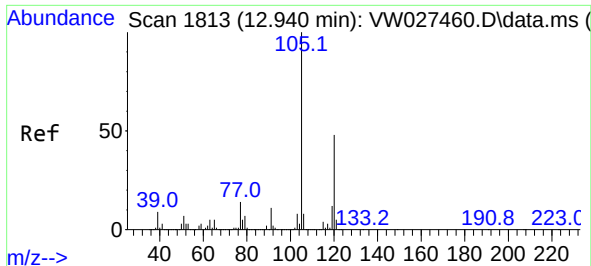
Tgt Ion:105 Resp: 682438  
Ion Ratio Lower Upper  
105 100  
120 25.0 20.1 30.1  
77 16.3 12.9 19.3



#61  
1,2,3-Trichloropropane  
Concen: 23.468 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Tgt Ion: 75 Resp: 90714  
Ion Ratio Lower Upper  
75 100  
77 32.8 25.4 38.0  
110 36.9 29.7 44.5

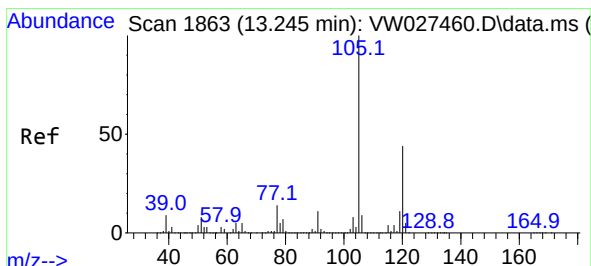
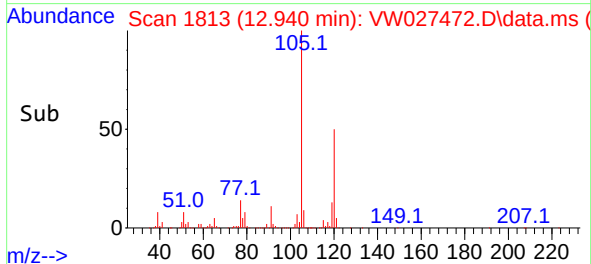
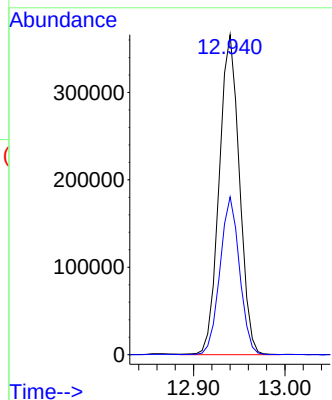
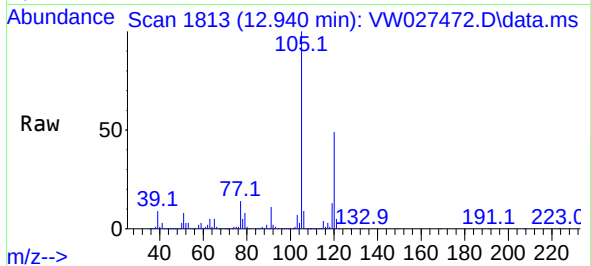




#62  
1,3,5-Trimethylbenzene  
Concen: 24.302 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

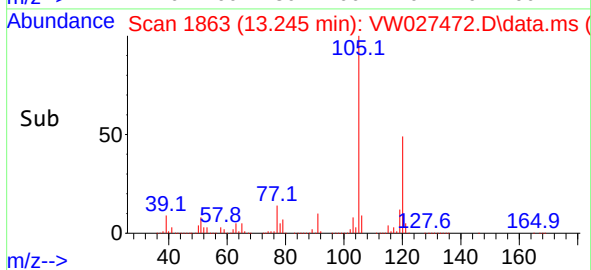
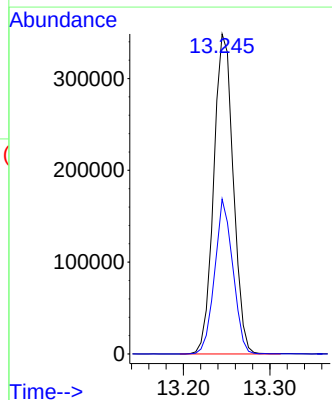
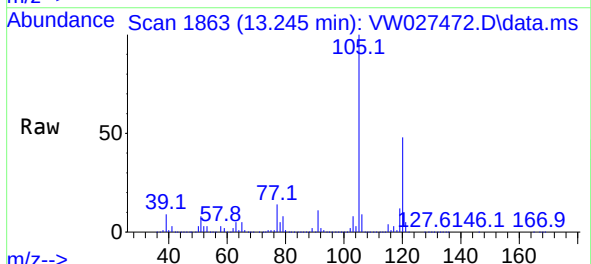
Instrument :  
MSVOA\_W  
ClientSampleId :

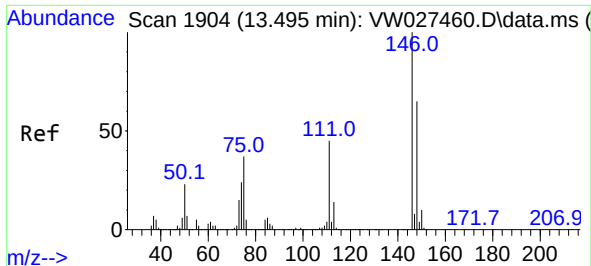
Tgt Ion:105 Resp: 563754  
Ion Ratio Lower Upper  
105 100  
120 47.6 38.8 58.2



#63  
1,2,4-Trimethylbenzene  
Concen: 24.053 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

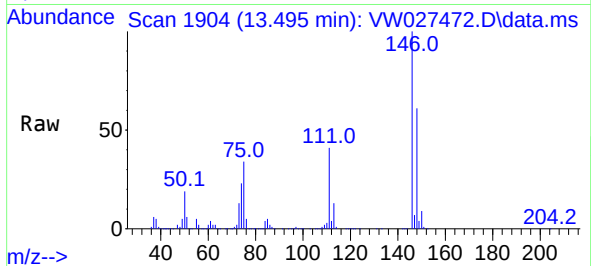
Tgt Ion:105 Resp: 545936  
Ion Ratio Lower Upper  
105 100  
120 45.0 35.4 53.2



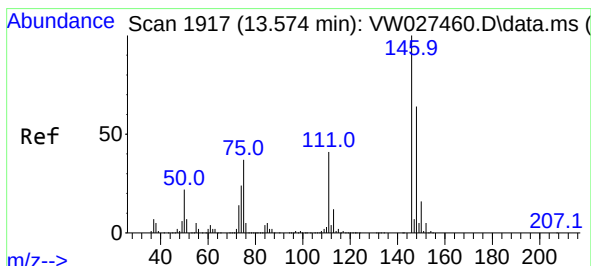
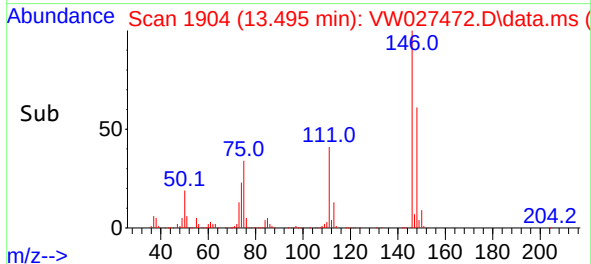
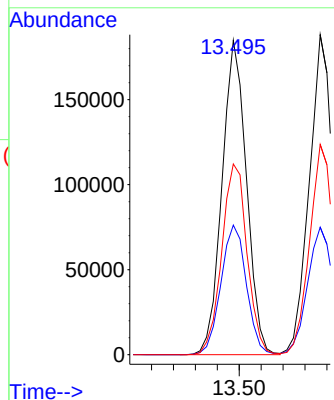


#64  
1,3-Dichlorobenzene  
Concen: 25.428 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Instrument :  
MSVOA\_W  
ClientSampleId :

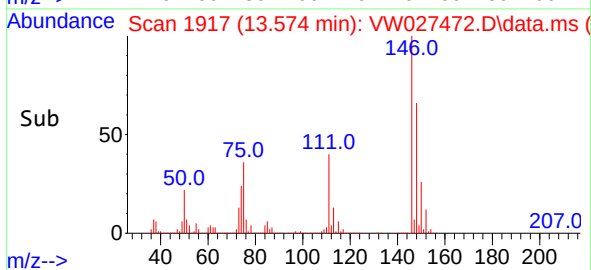
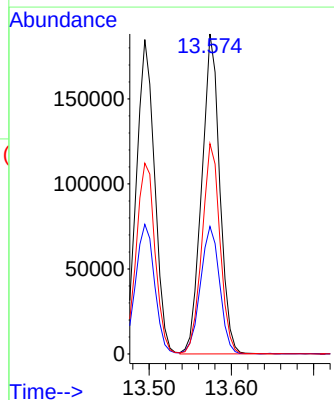
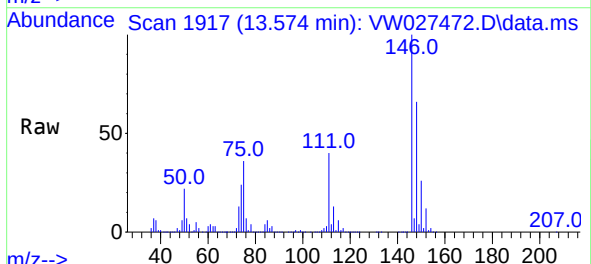


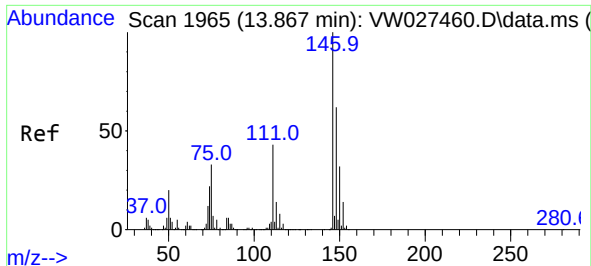
Tgt Ion:146 Resp: 286768  
Ion Ratio Lower Upper  
146 100  
111 41.2 30.8 57.2  
148 60.6 46.3 85.9



#65  
1,4-Dichlorobenzene  
Concen: 25.409 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Tgt Ion:146 Resp: 286161  
Ion Ratio Lower Upper  
146 100  
111 39.9 29.5 54.9  
148 65.7 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 25.440 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW027472.D

Acq: 27 Oct 2023 17:56

Instrument :

MSVOA\_W

ClientSampleId :

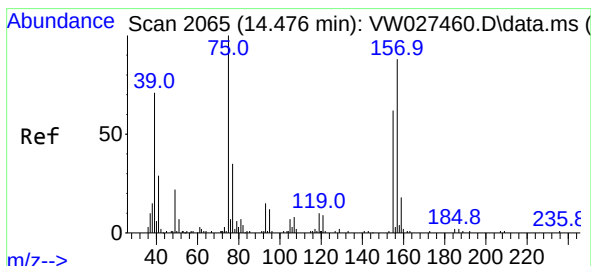
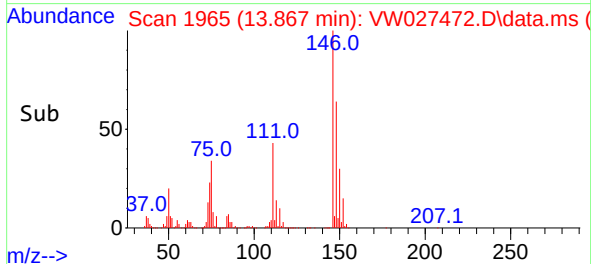
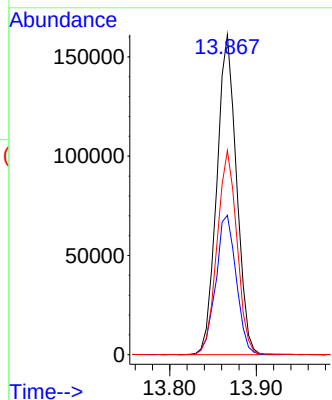
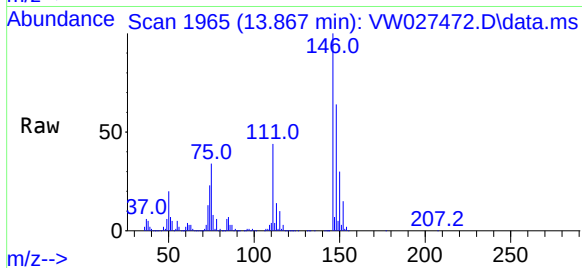
Tgt Ion:146 Resp: 254589

Ion Ratio Lower Upper

146 100

111 43.5 36.8 55.2

148 63.8 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 20.130 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW027472.D

Acq: 27 Oct 2023 17:56

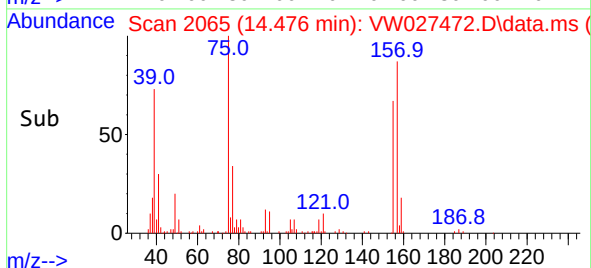
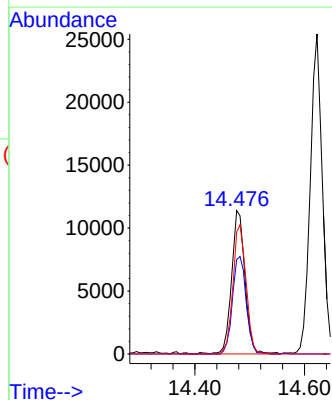
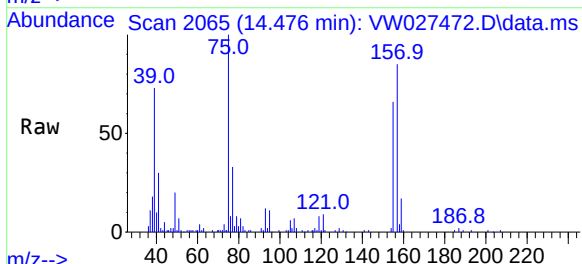
Tgt Ion: 75 Resp: 19447

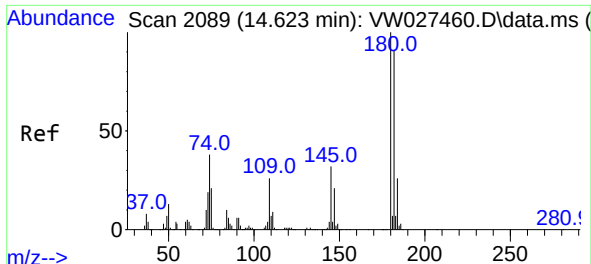
Ion Ratio Lower Upper

75 100

155 65.9 54.9 82.3

157 85.1 64.7 97.1





#69

1,3,5-Trichlorobenzene

Concen: 25.801 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

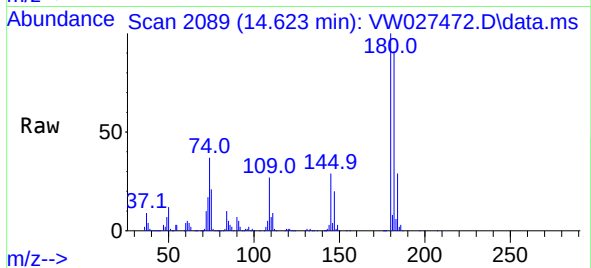
Lab File: VW027472.D

Acq: 27 Oct 2023 17:56

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 188887

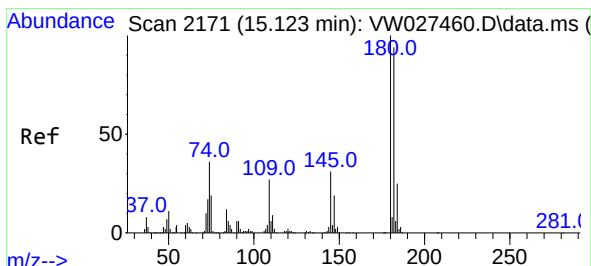
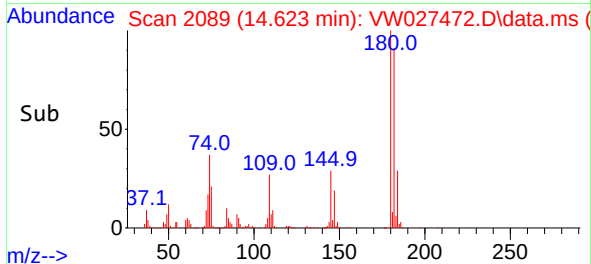
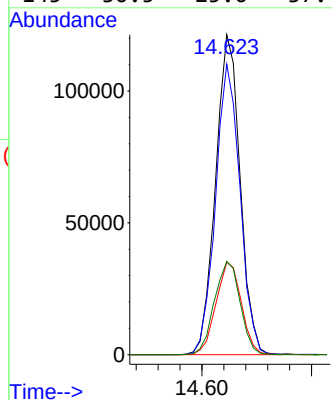
Ion Ratio Lower Upper

180 100

182 90.6 73.4 110.0

184 29.8 23.3 34.9

145 30.5 25.0 37.4



#70

1,2,4-trichlorobenzene

Concen: 24.215 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW027472.D

Acq: 27 Oct 2023 17:56

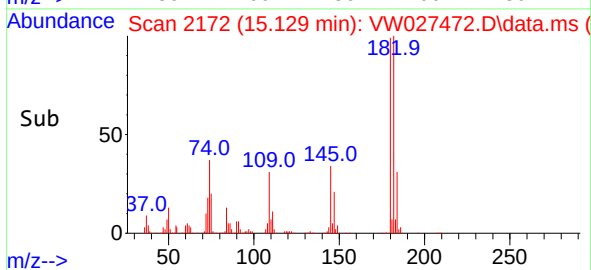
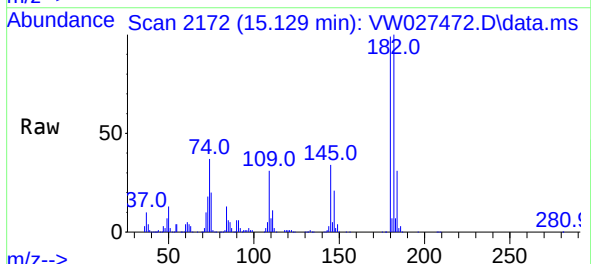
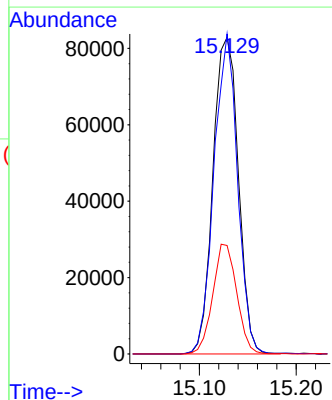
Tgt Ion:180 Resp: 150886

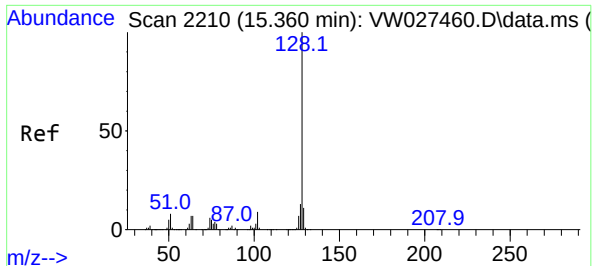
Ion Ratio Lower Upper

180 100

182 93.8 75.5 113.3

145 32.8 26.4 39.6

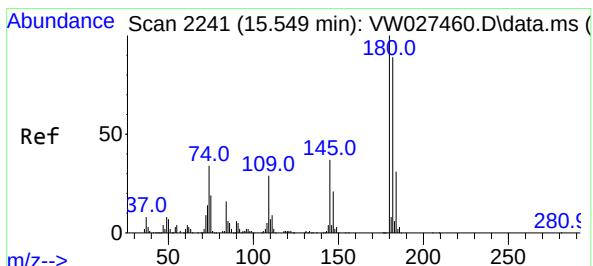
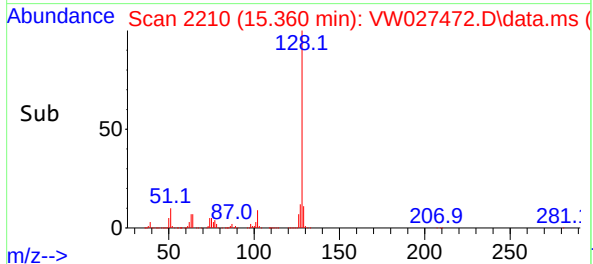
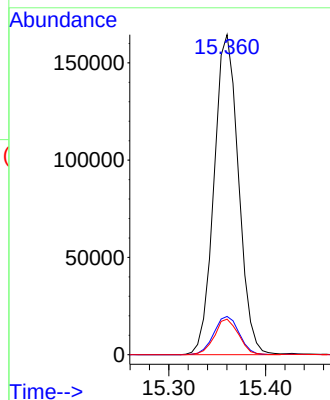
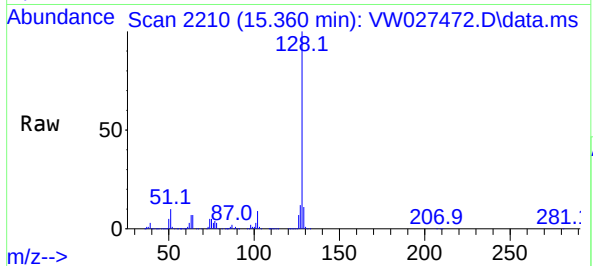




#71  
Naphthalene  
Concen: 22.537 ug/L  
RT: 15.360 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 288793  
Ion Ratio Lower Upper  
128 100  
127 12.5 10.0 15.0  
129 11.0 8.5 12.7



#72  
1,2,3-Trichlorobenzene  
Concen: 25.200 ug/L  
RT: 15.549 min Scan# 2241  
Delta R.T. -0.000 min  
Lab File: VW027472.D  
Acq: 27 Oct 2023 17:56

Tgt Ion:180 Resp: 129122  
Ion Ratio Lower Upper  
180 100  
182 95.5 81.1 121.7  
145 34.1 30.6 45.8

