

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW061923\  
 Data File : VW026243.D  
 Acq On : 19 Jun 2023 12:54  
 Operator : SY/MD  
 Sample : 03307-09REMSD  
 Misc : 5.48g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 YBW10MSD

Quant Time: Jun 20 03:17:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM053023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 16 23:58:43 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 123870   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 107281   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 49068    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.357  | 65    | 35405    | 20.317   | ug/L   | -0.01    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 81.280%  |
| 7) Chloroethane-d5            | 2.887  | 69    | 35263    | 27.032   | ug/L   | -0.01    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 108.120% |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 17895    | 20.826   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 83.320%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 23536    | 46.392   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 92.780%  |
| 24) Chloroform-d              | 7.648  | 84    | 83160    | 22.926   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 91.720%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 44395    | 22.382   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 89.520%  |
| 32) Benzene-d6                | 8.276  | 84    | 154341   | 21.380   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 85.520%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 49830    | 21.789   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 87.160%  |
| 41) Toluene-d8                | 10.325 | 98    | 118854   | 18.565   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 74.280%  |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79    | 16124    | 17.792   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 71.160%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 8272     | 22.939   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 45.880%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 42806    | 25.721   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.880% |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 35829    | 19.077   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 76.320%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.009  | 85    | 44467    | 29.284   | ug/L   | 94       |
| 3) Chloromethane              | 2.216  | 50    | 48939    | 25.135   | ug/L   | 93       |
| 5) Vinyl chloride             | 2.363  | 62    | 59066    | 28.380   | ug/L   | 97       |
| 6) Bromomethane               | 2.790  | 94    | 30280    | 26.688   | ug/L   | 92       |
| 8) Chloroethane               | 2.924  | 64    | 35931    | 31.948   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 75390    | 56.306   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 48216    | 28.538   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.039  | 96    | 118594   | 75.196   | ug/L # | 61       |
| 13) Acetone                   | 4.125  | 43    | 28768    | 73.284   | ug/L   | 95       |
| 14) Carbon disulfide          | 4.387  | 76    | 126941   | 22.800   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 24224    | 27.495   | ug/L   | 98       |
| 16) Methylene chloride        | 4.917  | 84    | 46453    | 23.496   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 40686    | 22.993   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 81800    | 29.331   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 95624    | 26.545   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 45997    | 24.540   | ug/L   | 99       |
| 22) 2-Butanone                | 7.173  | 43    | 28590    | 51.056   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.520  | 128   | 19076    | 23.864   | ug/L   | 97       |
| 25) Chloroform                | 7.673  | 83    | 83996    | 25.034   | ug/L   | 97       |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 16 23:58:43 2023  
 Response via : Initial Calibration

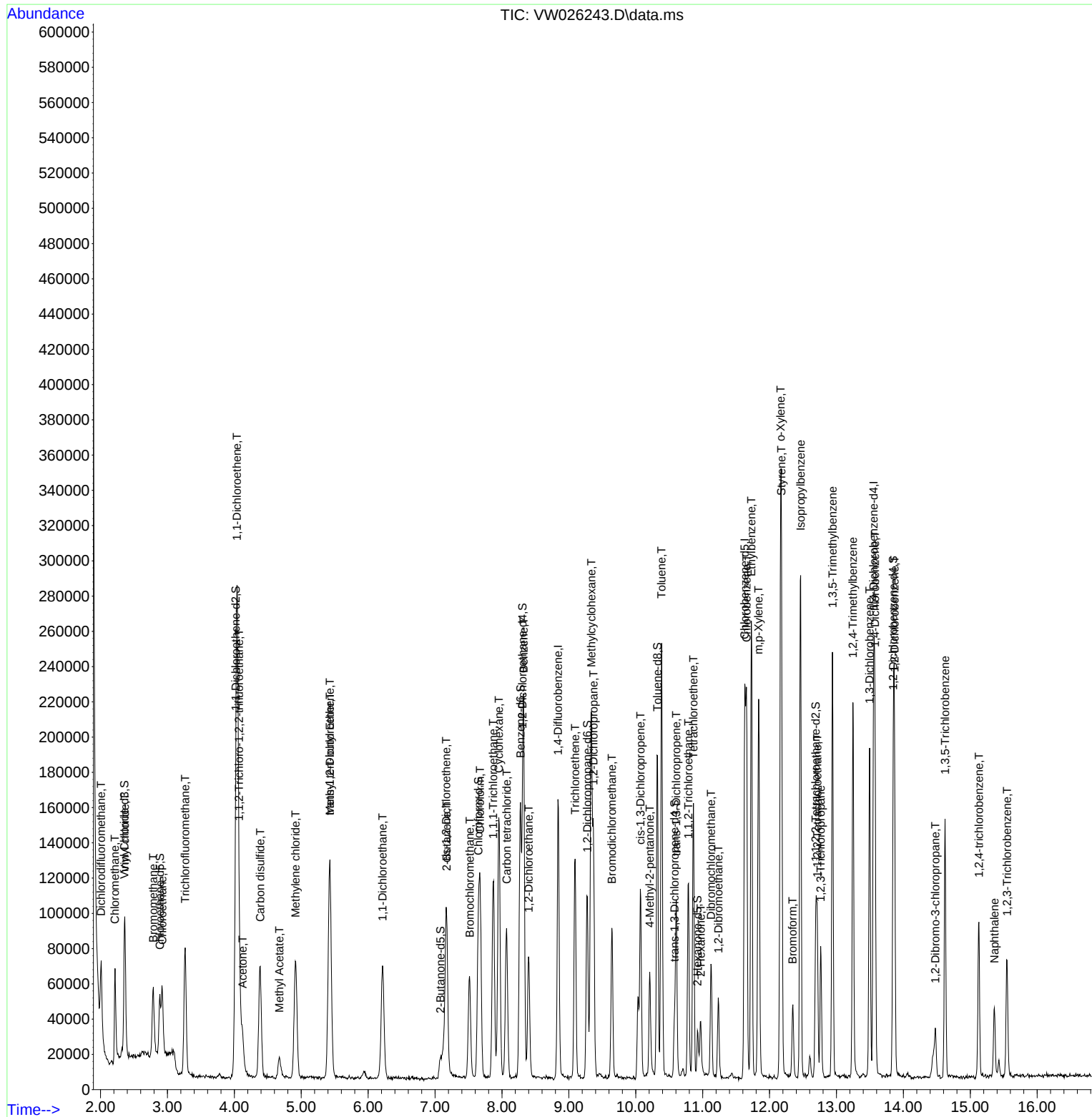
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 64620    | 27.924 | ug/L   | 99       |
| 29) Cyclohexane               | 7.953  | 56   | 71908    | 21.711 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 86712    | 33.307 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 62958    | 26.500 | ug/L   | 98       |
| 33) Benzene                   | 8.325  | 78   | 183726   | 25.000 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 45094    | 23.963 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.337  | 83   | 72049    | 21.637 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 51431    | 25.838 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 57568    | 24.893 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 60879    | 20.812 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 44364    | 37.803 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 170945   | 22.742 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 52342    | 21.478 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 33340    | 25.414 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 31815    | 23.902 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.971 | 43   | 22718    | 27.455 | ug/L   | 95       |
| 49) Dibromochloromethane      | 11.123 | 129  | 33053    | 24.031 | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 29616    | 24.381 | ug/L   | 100      |
| 51) Chlorobenzene             | 11.654 | 112  | 101177   | 21.480 | ug/L   | 100      |
| 52) Ethylbenzene              | 11.727 | 91   | 175255   | 20.668 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 64905    | 20.576 | ug/L   | 99       |
| 54) o-Xylene                  | 12.166 | 106  | 61775    | 20.749 | ug/L   | 99       |
| 55) Styrene                   | 12.178 | 104  | 99980    | 19.574 | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 42241    | 26.606 | ug/L   | 100      |
| 59) Bromoform                 | 12.343 | 173  | 17474    | 23.710 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.465 | 105  | 175604   | 22.781 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 30469    | 27.721 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 120824   | 19.718 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 106290   | 18.939 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 70067    | 21.619 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 65990    | 20.224 | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 57767    | 19.849 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 5892     | 23.138 | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 40132    | 18.026 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 25176    | 13.704 | ug/L   | 96       |
| 71) Naphthalene               | 15.360 | 128  | 31931    | 9.752  | ug/L   | 96       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 20401    | 12.707 | ug/L   | 97       |

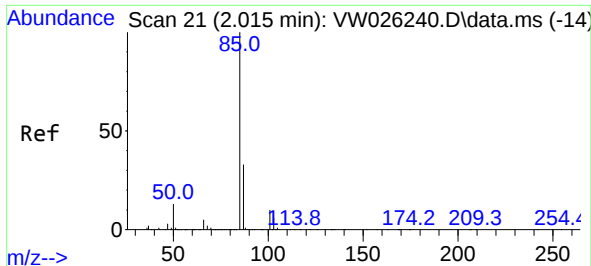
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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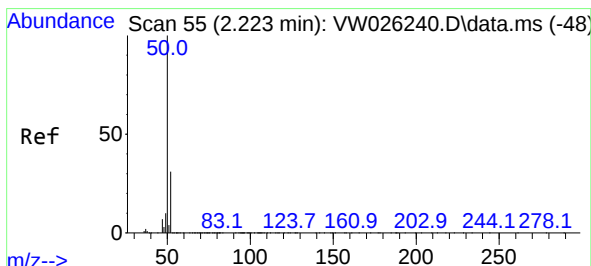
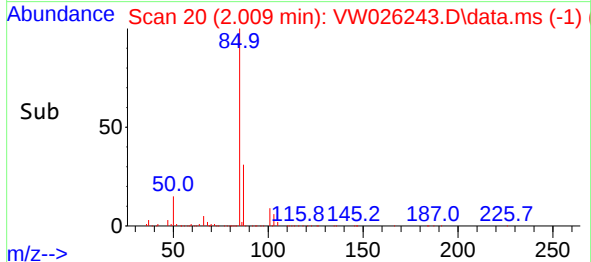
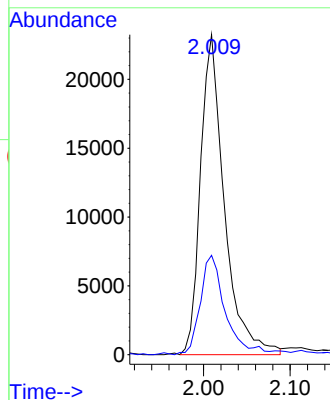
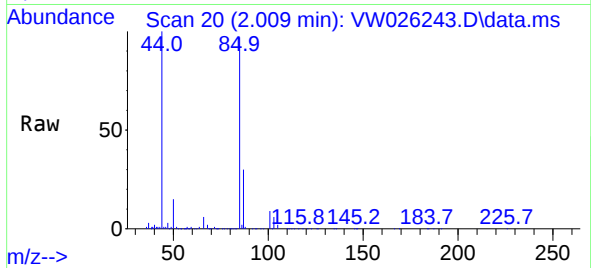




#2  
Dichlorodifluoromethane  
Concen: 29.284 ug/L  
RT: 2.009 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

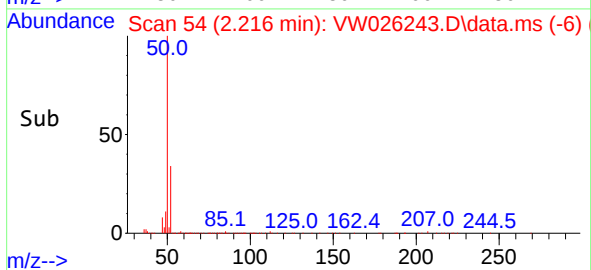
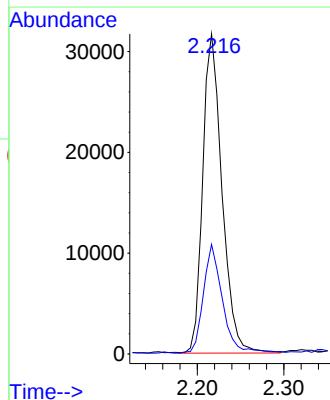
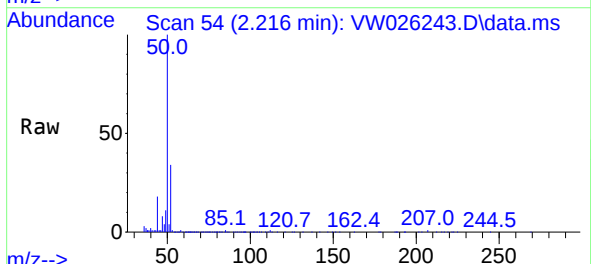
Instrument :  
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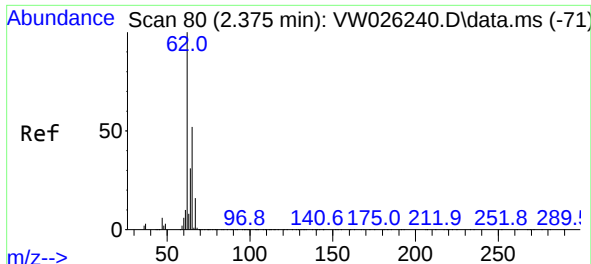
Tgt Ion: 85 Resp: 44467  
Ion Ratio Lower Upper  
85 100  
87 31.0 22.2 33.2



#3  
Chloromethane  
Concen: 25.135 ug/L  
RT: 2.216 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion: 50 Resp: 48939  
Ion Ratio Lower Upper  
50 100  
52 34.3 21.3 39.6

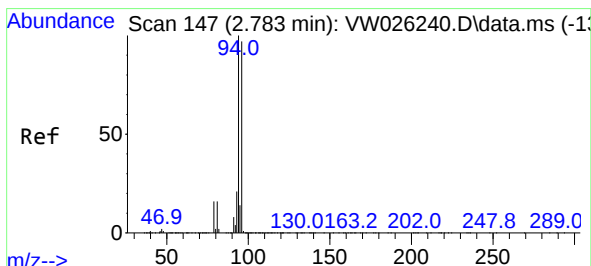
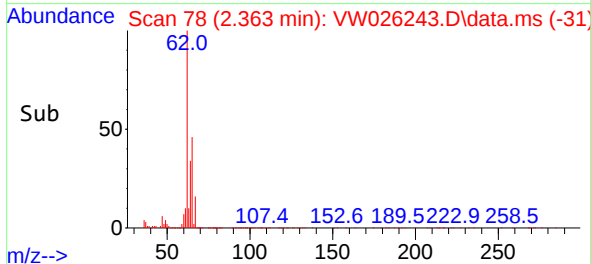
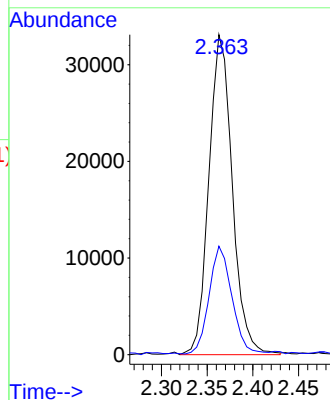
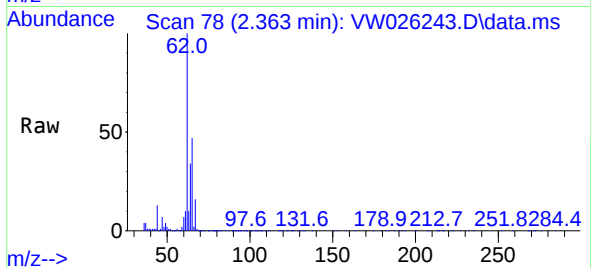




#5  
 Vinyl chloride  
 Concen: 28.380 ug/L  
 RT: 2.363 min Scan# 71  
 Delta R.T. -0.012 min  
 Lab File: VW026243.D  
 Acq: 19 Jun 2023 12:54

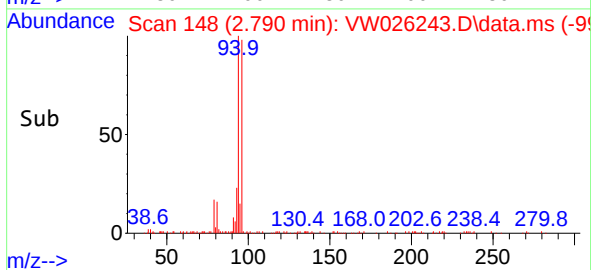
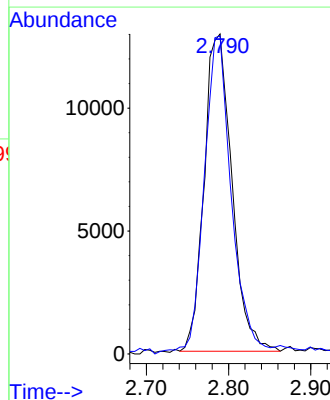
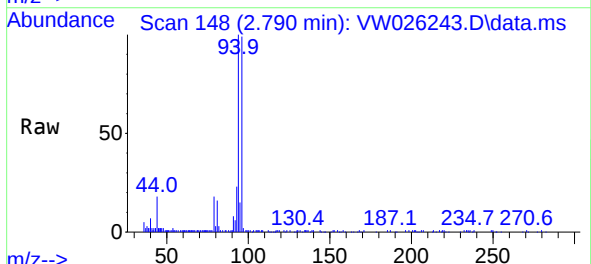
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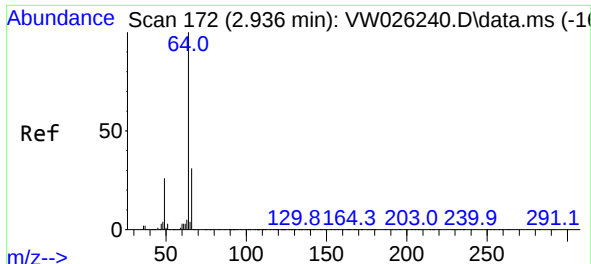
Tgt Ion: 62 Resp: 59066  
 Ion Ratio Lower Upper  
 62 100  
 64 33.9 22.7 42.1



#6  
 Bromomethane  
 Concen: 26.688 ug/L  
 RT: 2.790 min Scan# 148  
 Delta R.T. 0.000 min  
 Lab File: VW026243.D  
 Acq: 19 Jun 2023 12:54

Tgt Ion: 94 Resp: 30280  
 Ion Ratio Lower Upper  
 94 100  
 96 99.4 64.2 119.2

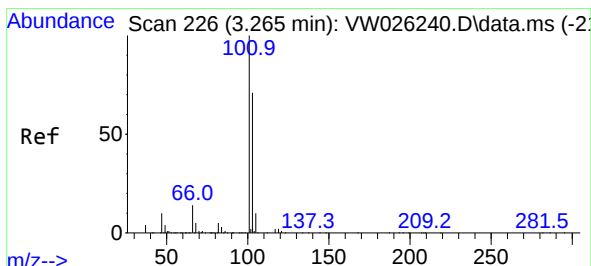
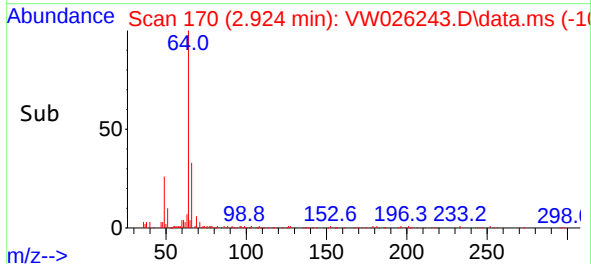
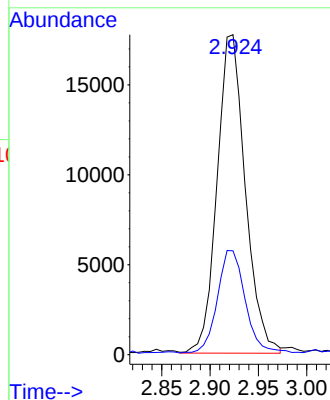
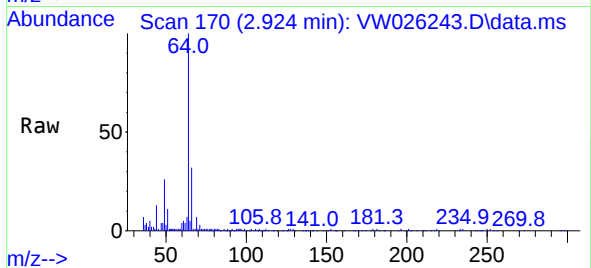




#8  
Chloroethane  
Concen: 31.948 ug/L  
RT: 2.924 min Scan# 170  
Delta R.T. -0.012 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

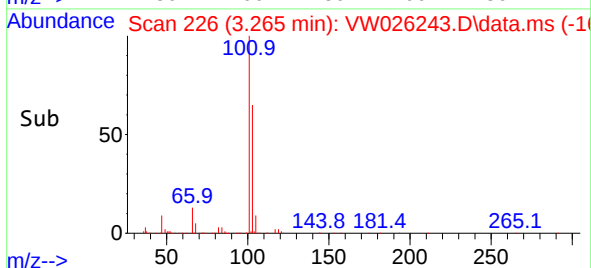
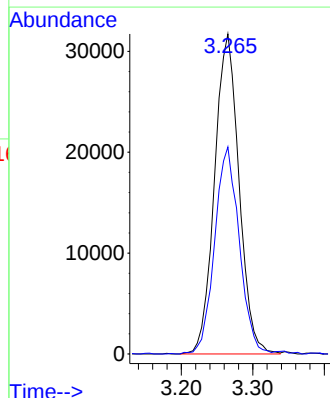
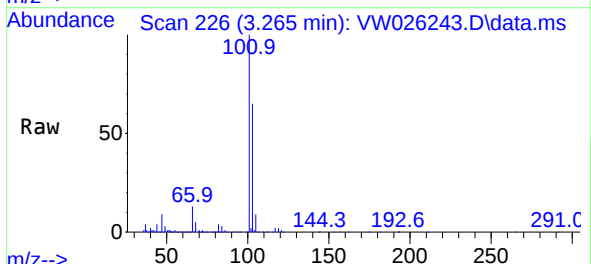
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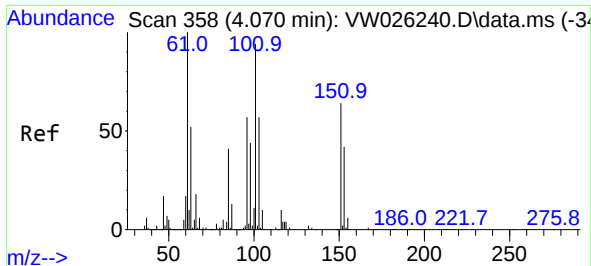
Tgt Ion: 64 Resp: 35931  
Ion Ratio Lower Upper  
64 100  
66 32.5 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 56.306 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. 0.000 min  
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Tgt Ion: 101 Resp: 75390  
Ion Ratio Lower Upper  
101 100  
103 64.8 51.6 77.4

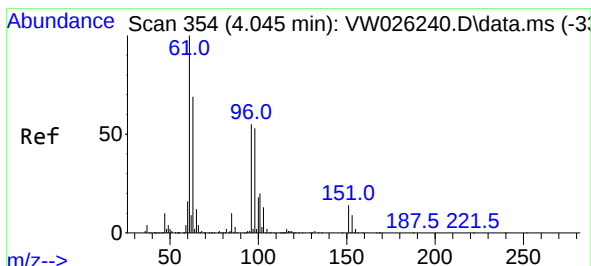
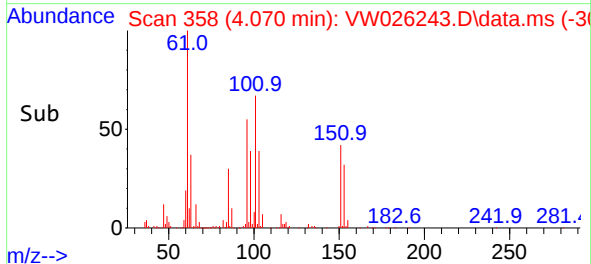
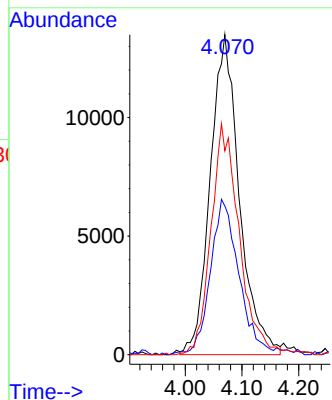
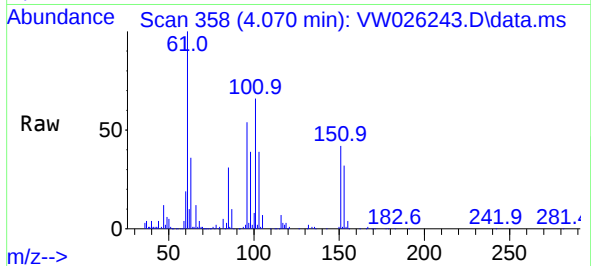




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 28.538 ug/L  
 RT: 4.070 min Scan# 358  
 Delta R.T. 0.000 min  
 Lab File: VW026243.D  
 Acq: 19 Jun 2023 12:54

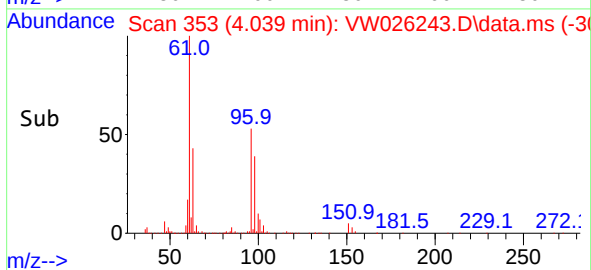
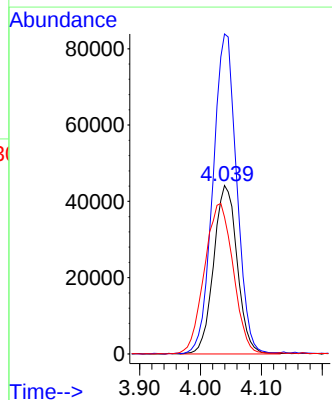
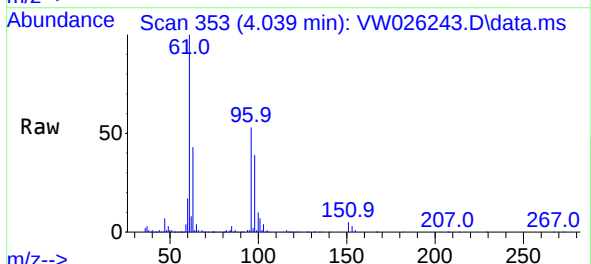
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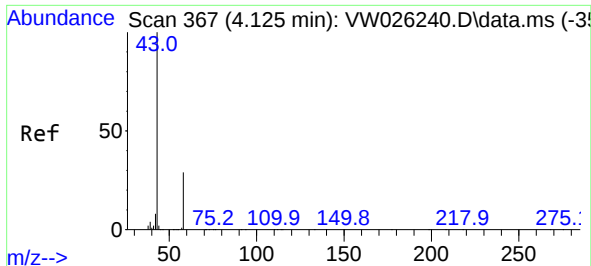
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 Ion Ratio Lower Upper  
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 85 46.3 36.1 54.1  
 151 69.0 55.1 82.7



#12  
 1,1-Dichloroethene  
 Concen: 75.196 ug/L  
 RT: 4.039 min Scan# 353  
 Delta R.T. -0.006 min  
 Lab File: VW026243.D  
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Tgt Ion: 96 Resp: 118594  
 Ion Ratio Lower Upper  
 96 100  
 61 189.8 140.6 261.0  
 63 81.1 131.7 244.5#

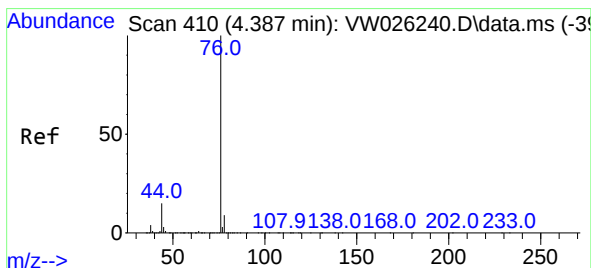
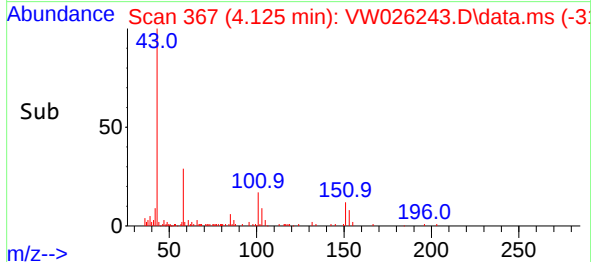
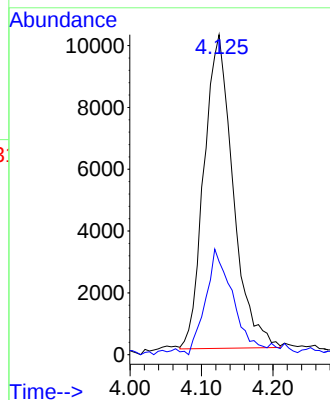
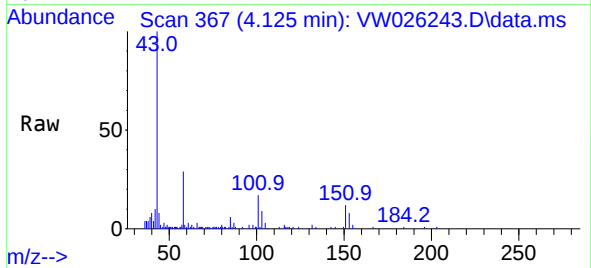




#13  
Acetone  
Concen: 73.284 ug/L  
RT: 4.125 min Scan# 367  
Delta R.T. 0.006 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

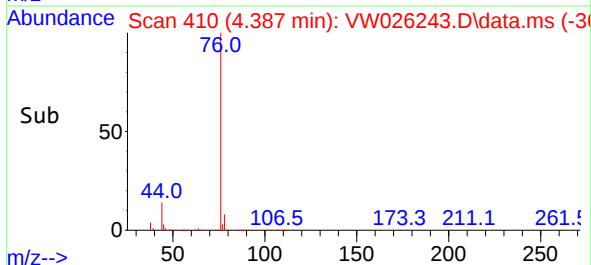
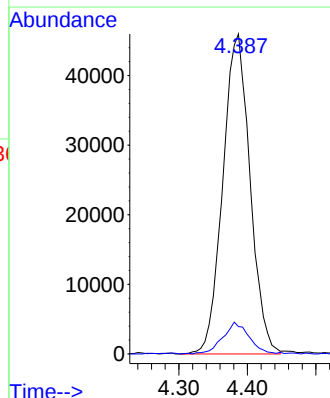
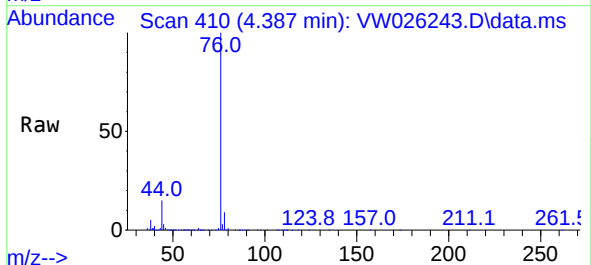
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

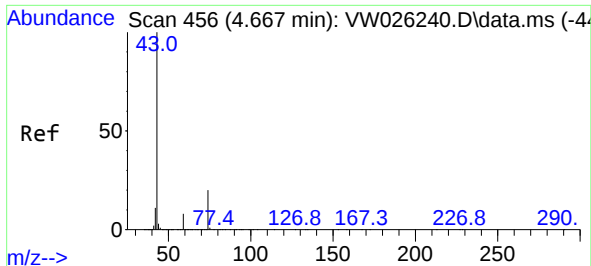
Tgt Ion: 43 Resp: 28768  
Ion Ratio Lower Upper  
43 100  
58 32.0 0.0 58.2



#14  
Carbon disulfide  
Concen: 22.800 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion: 76 Resp: 126941  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.2 10.8

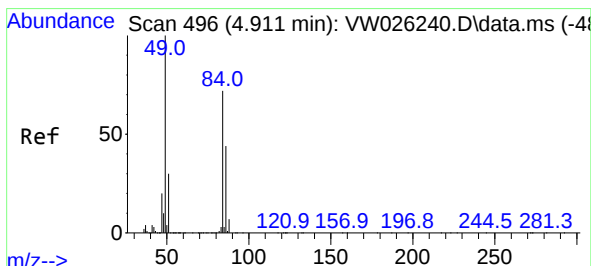
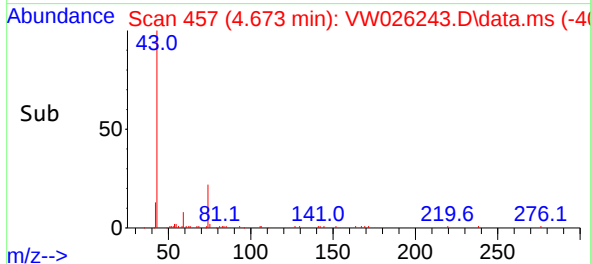
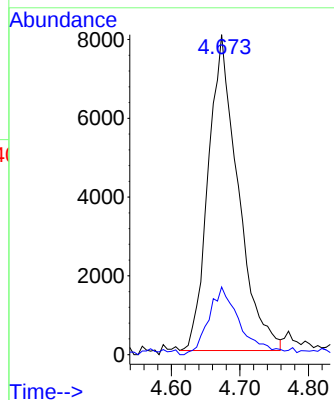
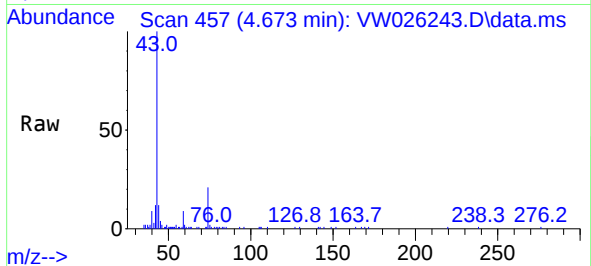




#15  
Methyl Acetate  
Concen: 27.495 ug/L  
RT: 4.673 min Scan# 456  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

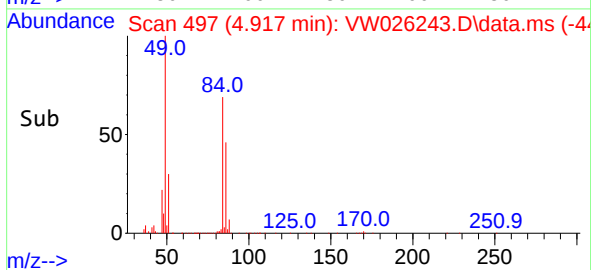
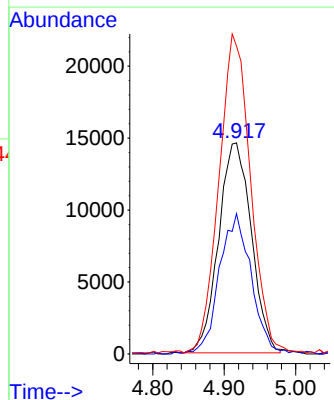
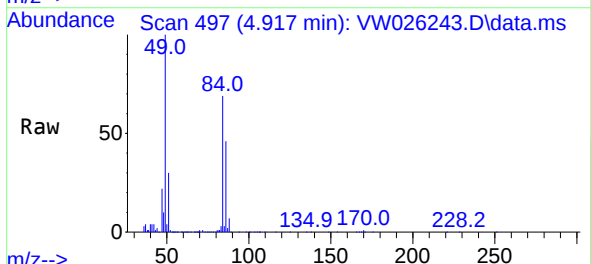
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

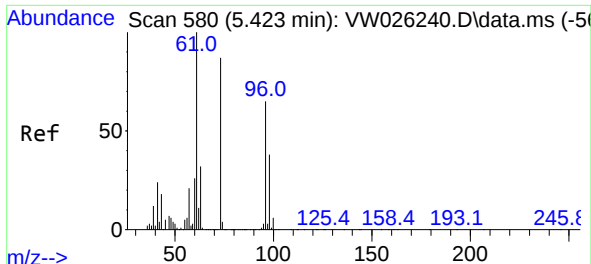
Tgt Ion: 43 Resp: 24224  
Ion Ratio Lower Upper  
43 100  
74 21.9 16.6 25.0



#16  
Methylene chloride  
Concen: 23.496 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion: 84 Resp: 46453  
Ion Ratio Lower Upper  
84 100  
86 66.5 44.2 82.0  
49 145.9 98.8 183.6

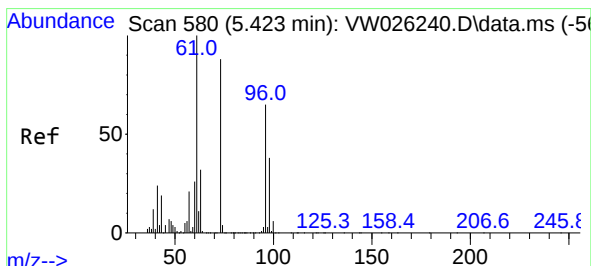
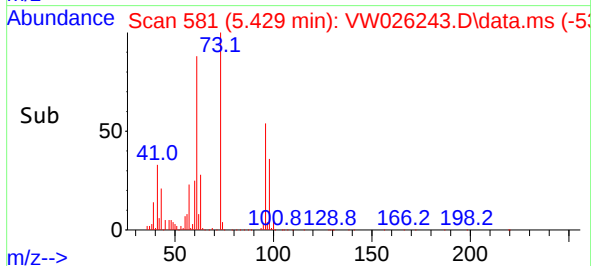
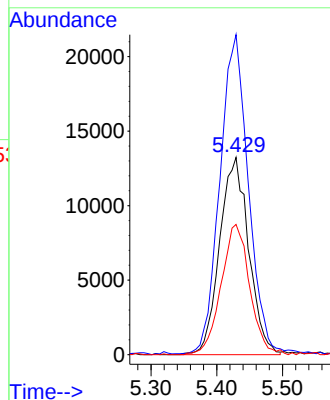
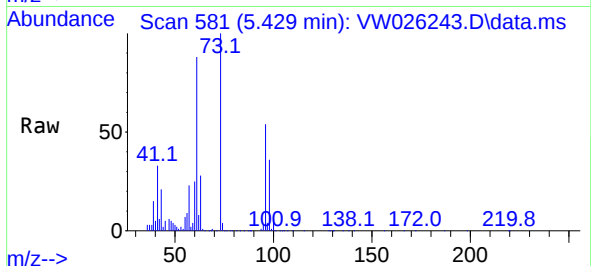




#17  
trans-1,2-Dichloroethene  
Concen: 22.993 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

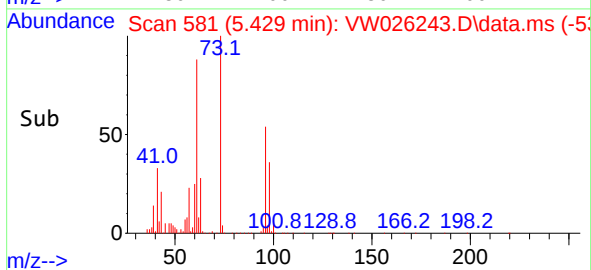
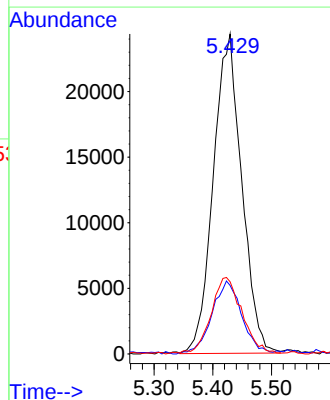
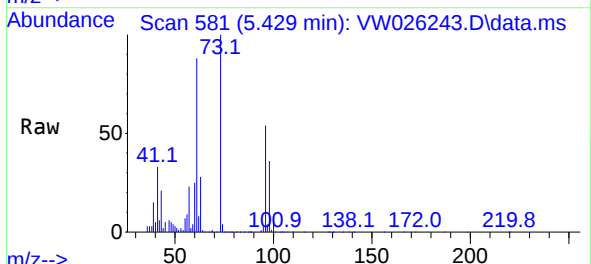
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

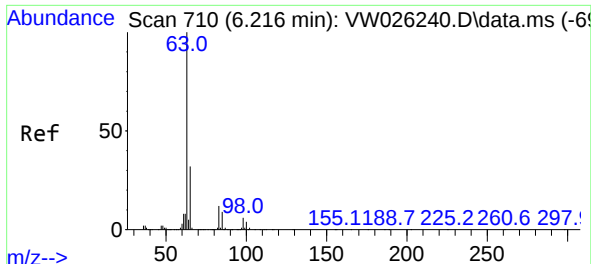
Tgt Ion: 96 Resp: 40686  
Ion Ratio Lower Upper  
96 100  
61 162.2 113.0 209.8  
98 66.1 42.5 78.9



#18  
Methyl tert-butyl Ether  
Concen: 29.331 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion: 73 Resp: 81800  
Ion Ratio Lower Upper  
73 100  
43 23.6 17.8 26.6  
57 25.3 18.9 28.3





#19

1,1-Dichloroethane

Concen: 26.545 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026243.D

Acq: 19 Jun 2023 12:54

Instrument :

MSVOA\_W

ClientSampleId :

YBW10MSD

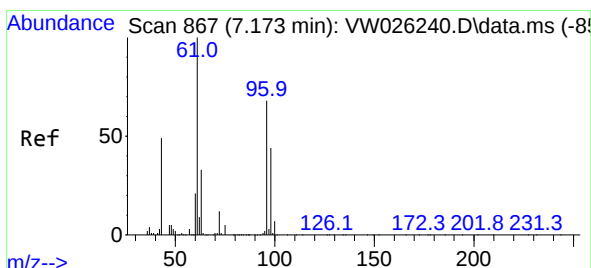
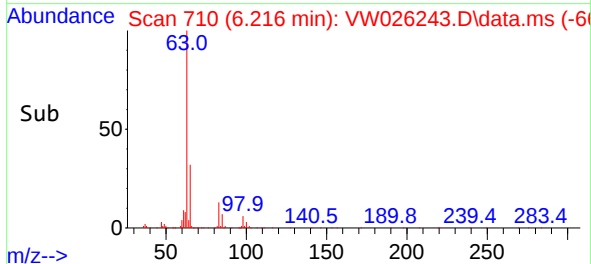
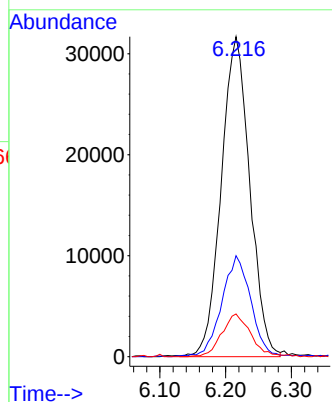
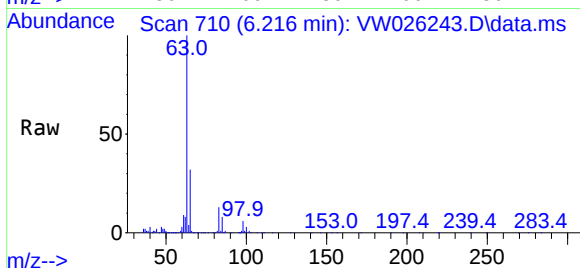
Tgt Ion: 63 Resp: 95624

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.5

83 13.3 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 24.540 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW026243.D

Acq: 19 Jun 2023 12:54

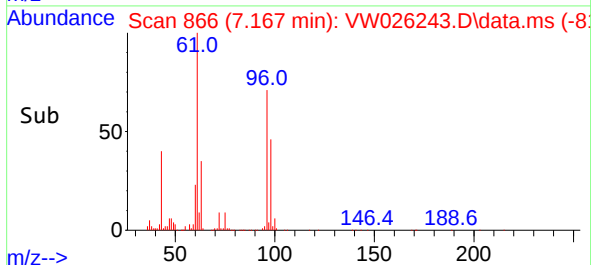
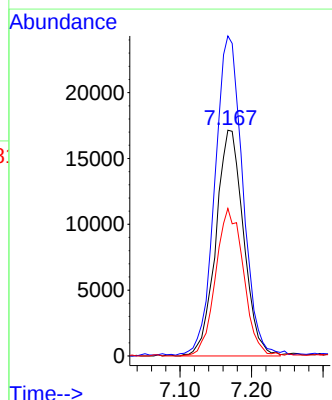
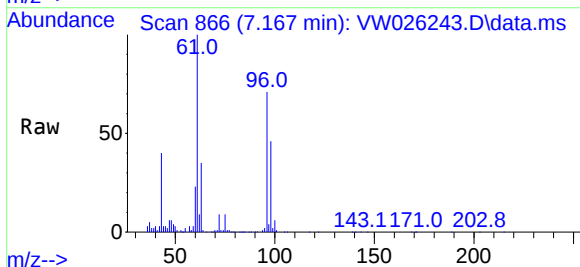
Tgt Ion: 96 Resp: 45997

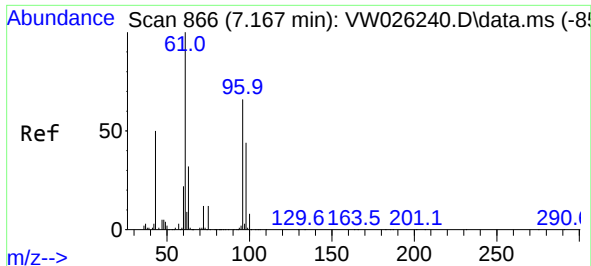
Ion Ratio Lower Upper

96 100

61 141.8 98.4 182.8

98 65.3 45.2 84.0

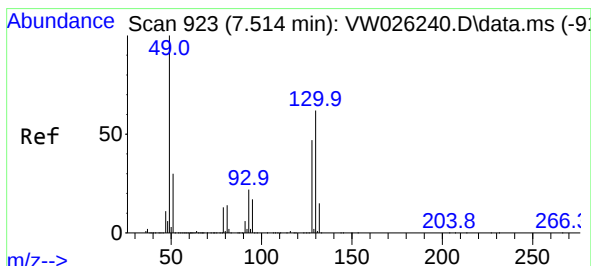
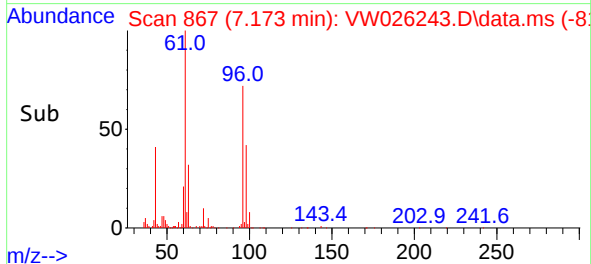
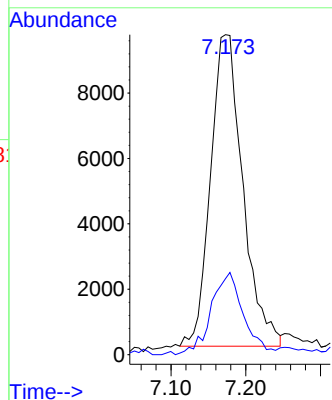
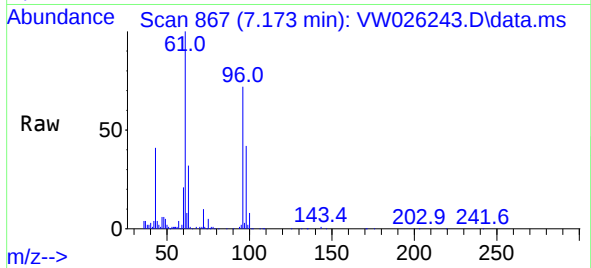




#22  
2-Butanone  
Concen: 51.056 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

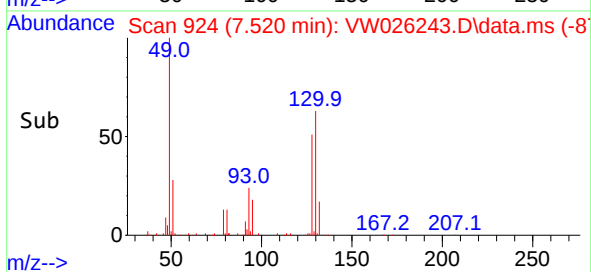
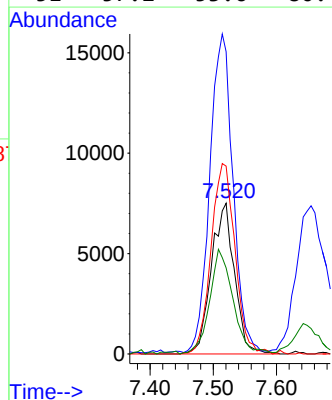
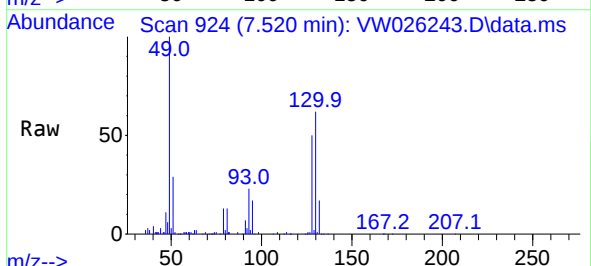
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

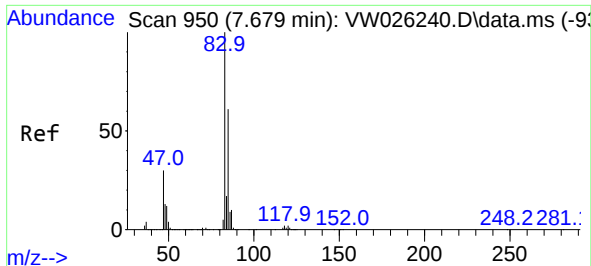
Tgt Ion: 43 Resp: 28590  
Ion Ratio Lower Upper  
43 100  
72 26.0 12.4 37.4



#23  
Bromochloromethane  
Concen: 23.864 ug/L  
RT: 7.520 min Scan# 924  
Delta R.T. 0.006 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion: 128 Resp: 19076  
Ion Ratio Lower Upper  
128 100  
49 200.6 140.6 261.0  
130 124.7 86.0 159.6  
51 57.2 53.6 80.4

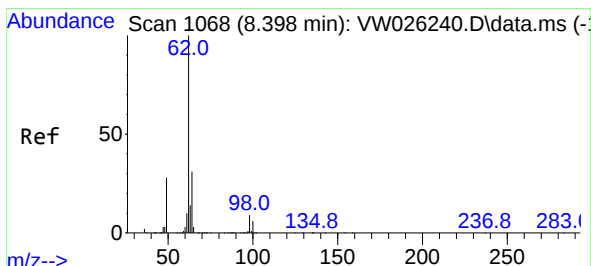
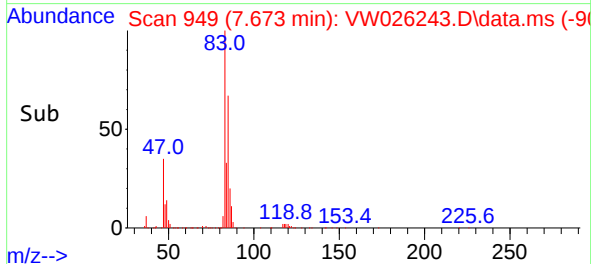
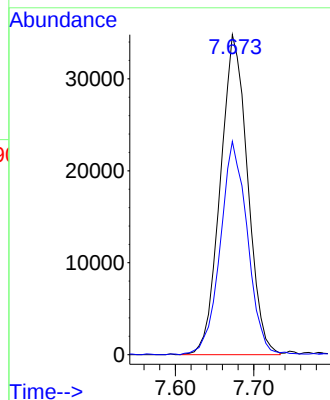
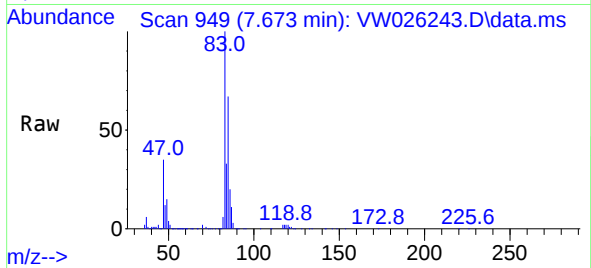




#25  
Chloroform  
Concen: 25.034 ug/L  
RT: 7.673 min Scan# 949  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

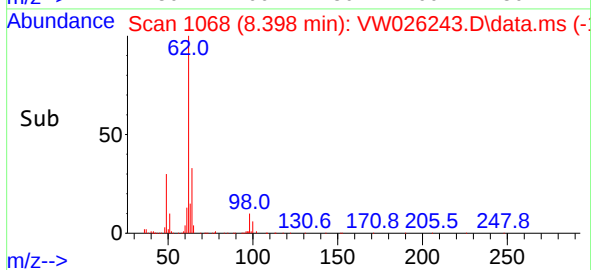
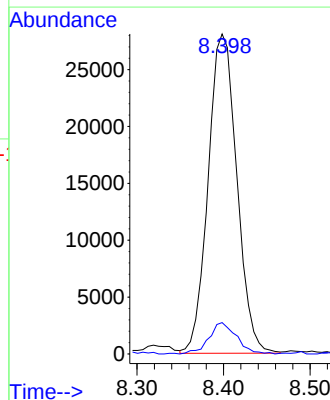
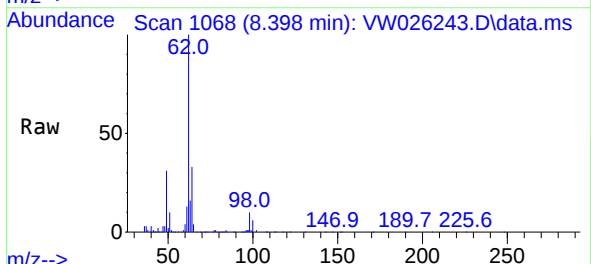
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

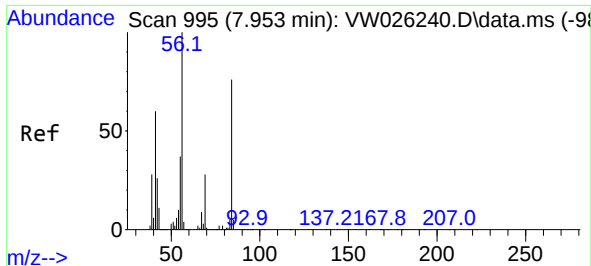
Tgt Ion: 83 Resp: 83996  
Ion Ratio Lower Upper  
83 100  
85 66.7 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 27.924 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion: 62 Resp: 64620  
Ion Ratio Lower Upper  
62 100  
98 9.8 7.4 11.2

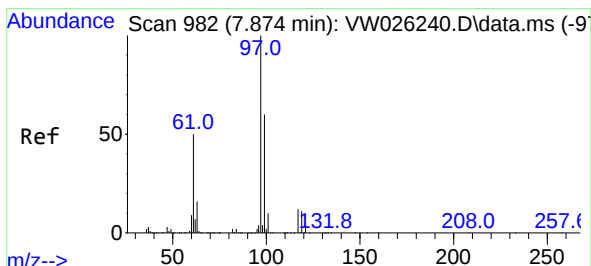
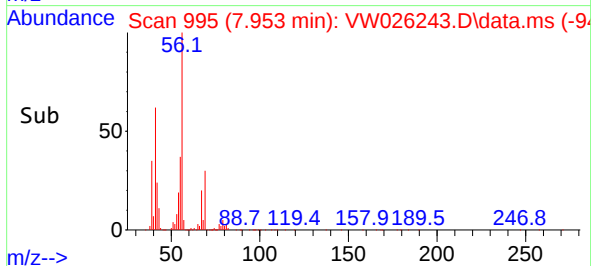
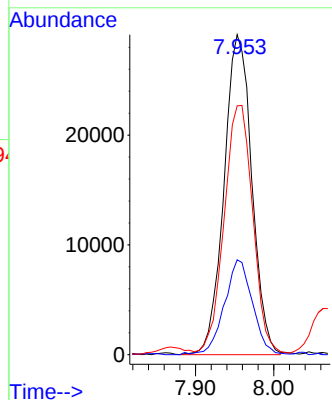
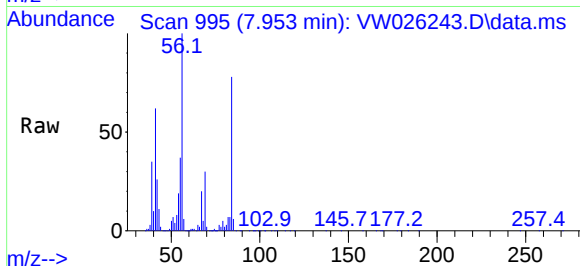




#29  
Cyclohexane  
Concen: 21.711 ug/L  
RT: 7.953 min Scan# 995  
Delta R.T. -0.006 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

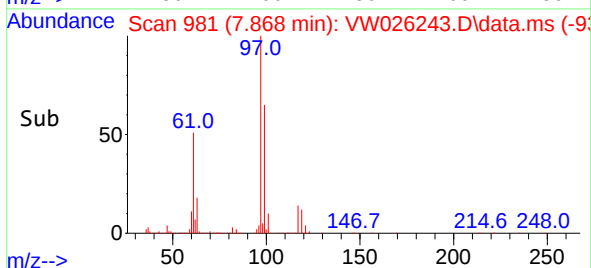
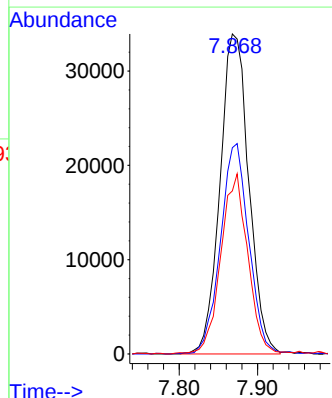
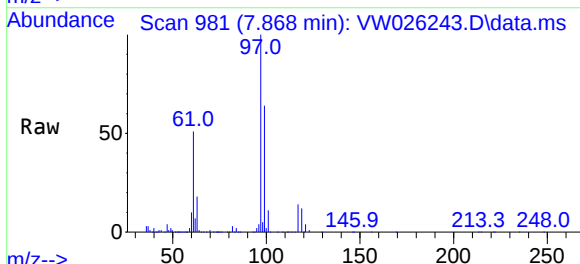
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

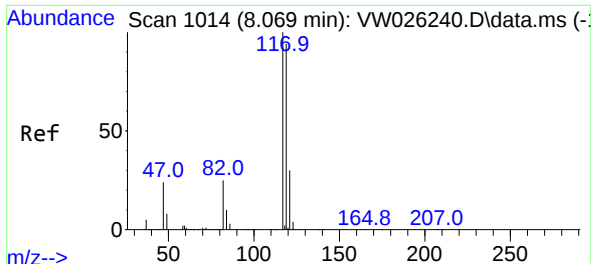
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 71908 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 29.8  | 23.3  | 34.9  |
| 84       | 80.5  | 63.0  | 94.6  |



#30  
1,1,1-Trichloroethane  
Concen: 33.307 ug/L  
RT: 7.868 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 86712 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.6  | 50.6  | 76.0  |
| 61       | 52.7  | 40.5  | 60.7  |

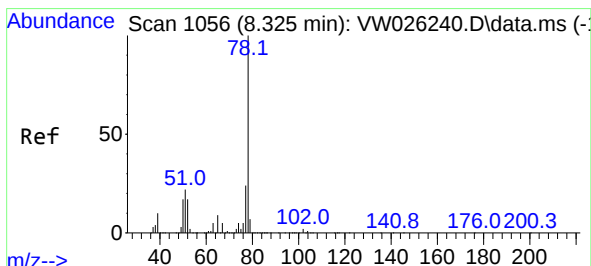
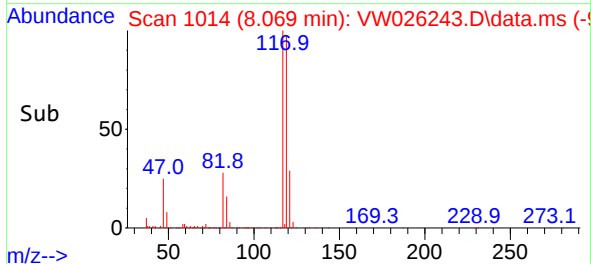
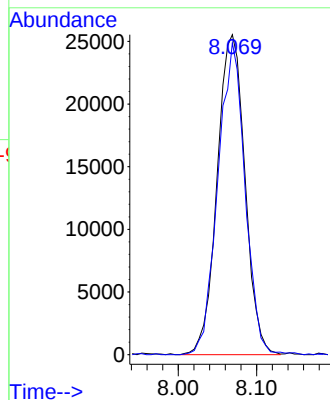
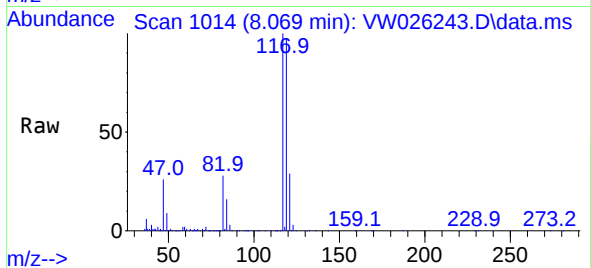




#31  
Carbon tetrachloride  
Concen: 26.500 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

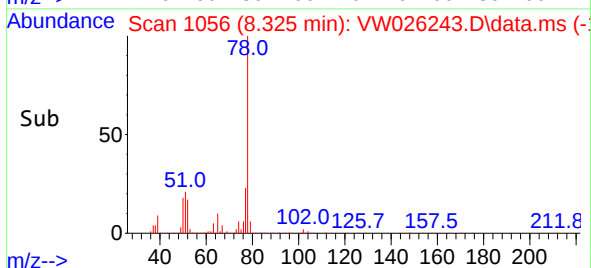
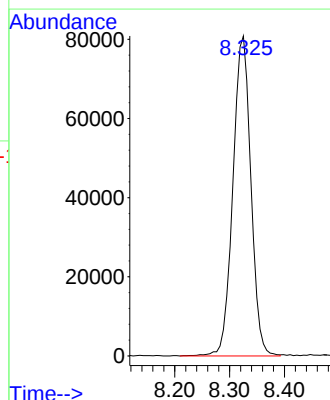
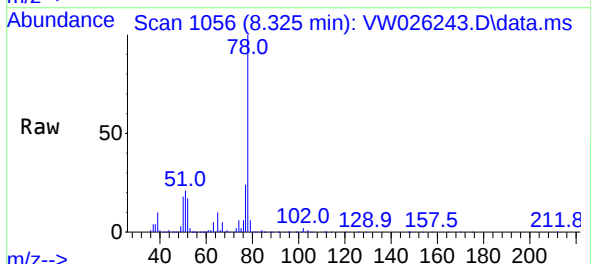
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

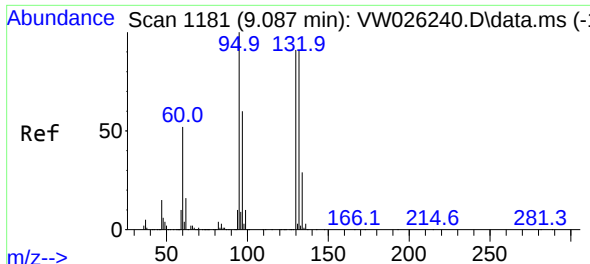
Tgt Ion:117 Resp: 62958  
Ion Ratio Lower Upper  
117 100  
119 94.5 77.4 116.2



#33  
Benzene  
Concen: 25.000 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion: 78 Resp: 183726



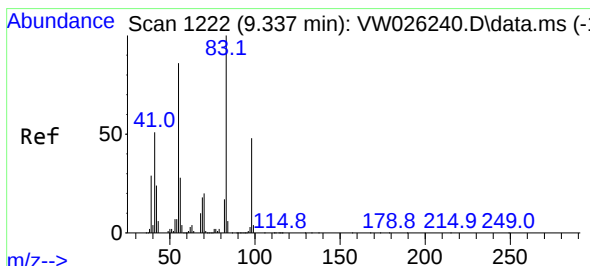
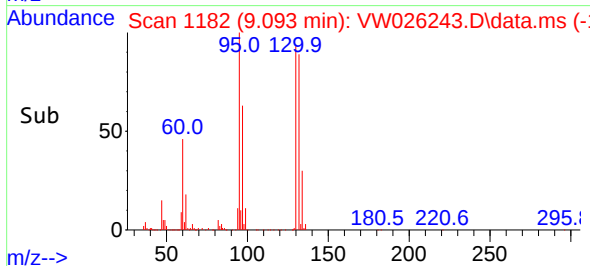
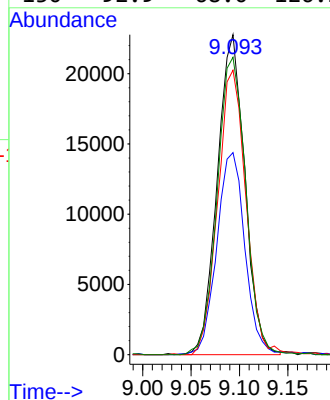
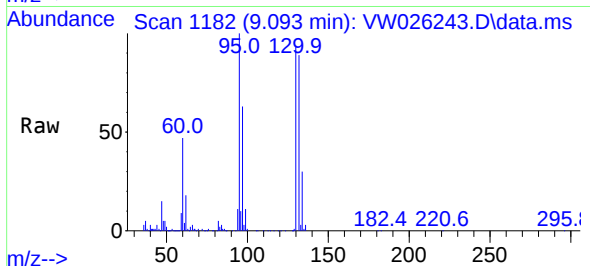


#34  
Trichloroethene  
Concen: 23.963 ug/L  
RT: 9.093 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

Tgt Ion: 95 Resp: 45094

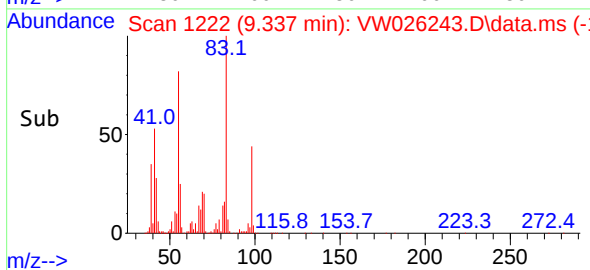
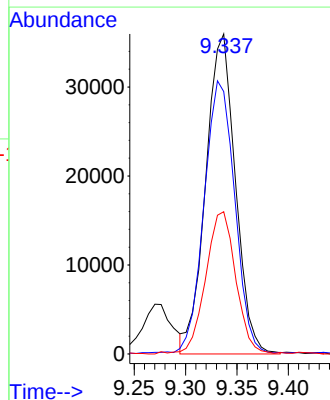
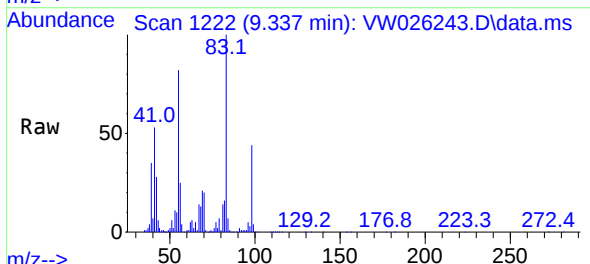
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.2  | 45.9  | 85.3  |
| 132 | 88.9  | 67.1  | 124.7 |
| 130 | 92.9  | 68.0  | 126.2 |

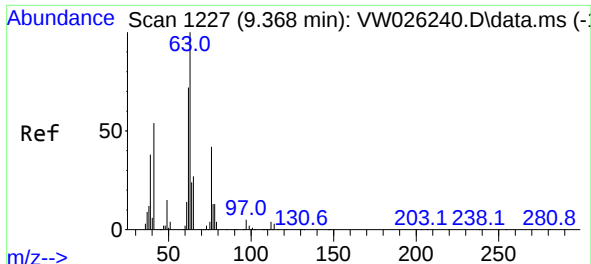


#35  
Methylcyclohexane  
Concen: 21.637 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. 0.006 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion: 83 Resp: 72049

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 88.1  | 68.2  | 102.4 |
| 98  | 45.0  | 38.1  | 57.1  |





#37

1,2-Dichloropropane

Concen: 25.838 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026243.D

Acq: 19 Jun 2023 12:54

Instrument :

MSVOA\_W

ClientSampleId :

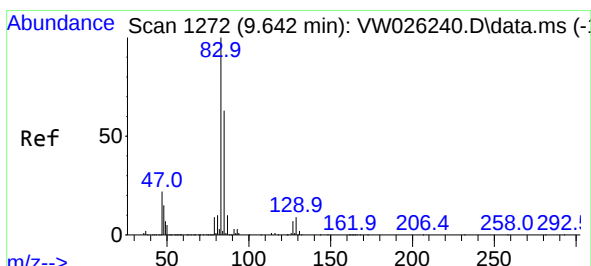
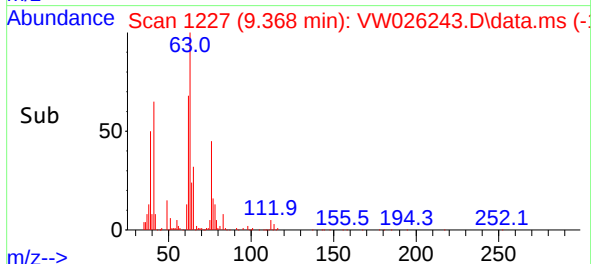
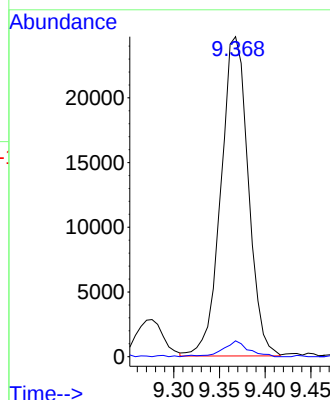
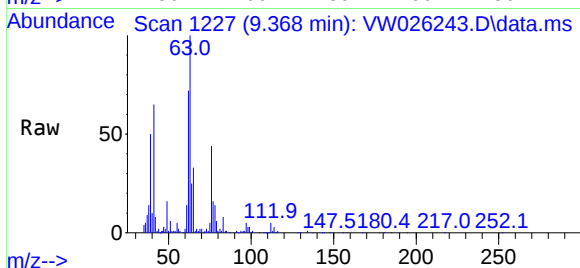
YBW10MSD

Tgt Ion: 63 Resp: 51431

Ion Ratio Lower Upper

63 100

112 4.4 3.3 4.9



#38

Bromodichloromethane

Concen: 24.893 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026243.D

Acq: 19 Jun 2023 12:54

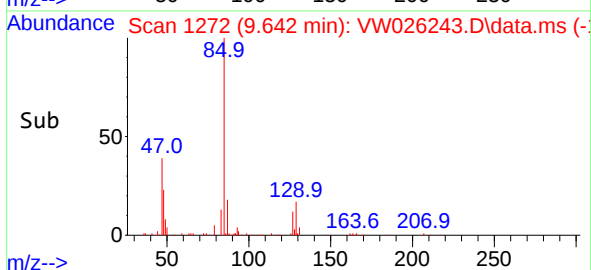
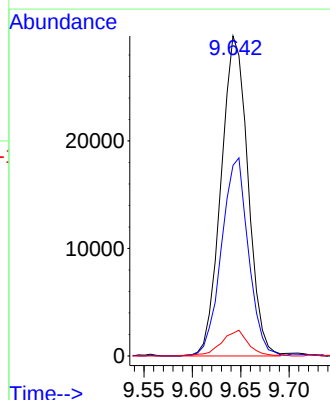
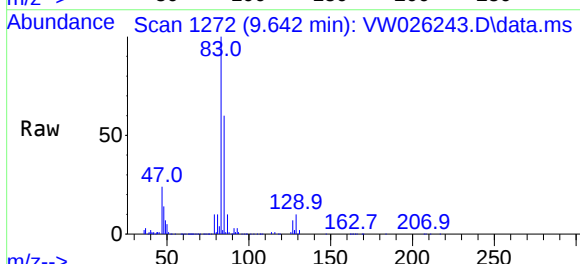
Tgt Ion: 83 Resp: 57568

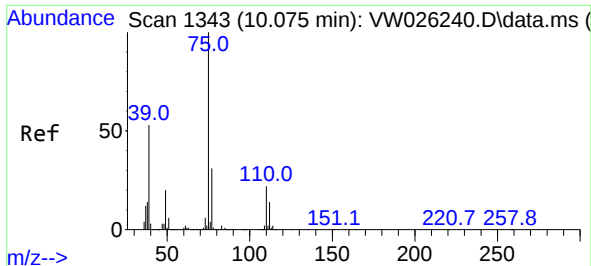
Ion Ratio Lower Upper

83 100

85 59.6 44.2 82.0

127 7.1 6.2 9.2

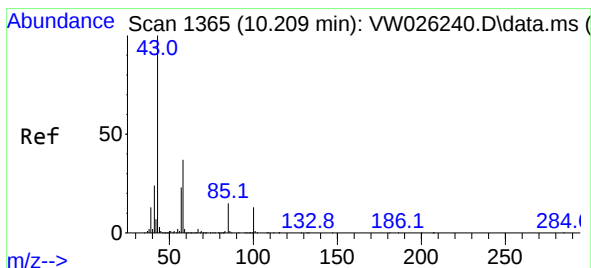
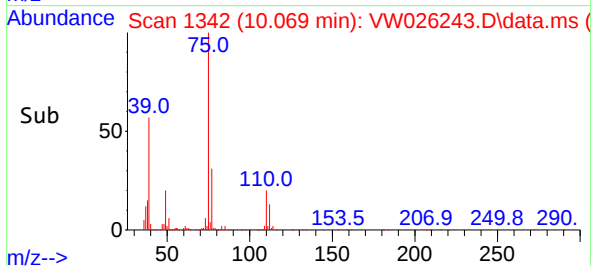
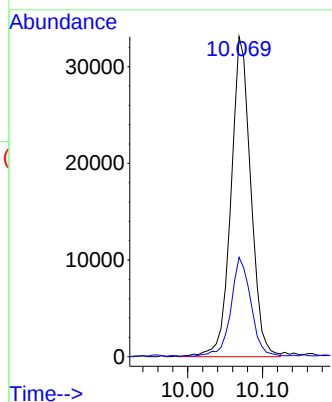
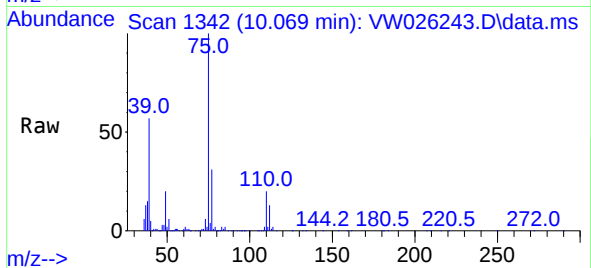




#39  
cis-1,3-Dichloropropene  
Concen: 20.812 ug/L  
RT: 10.069 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

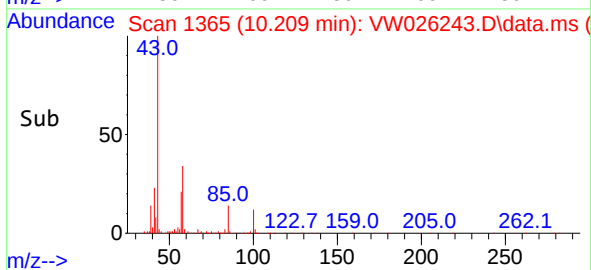
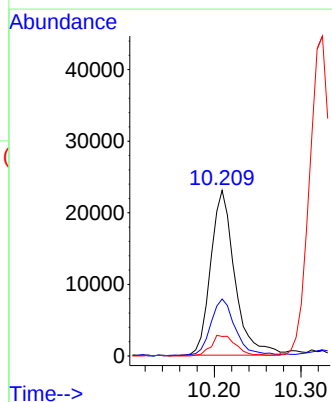
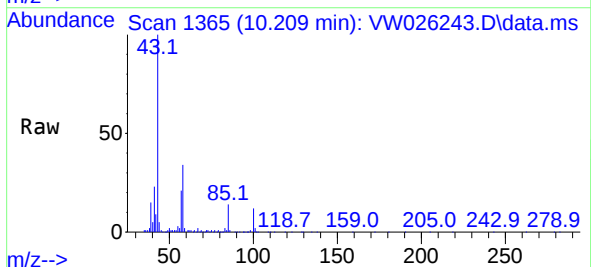
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

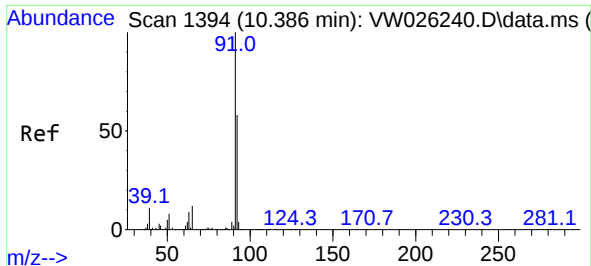
Tgt Ion: 75 Resp: 60879  
Ion Ratio Lower Upper  
75 100  
77 31.1 22.0 40.8



#40  
4-Methyl-2-pentanone  
Concen: 37.803 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion: 43 Resp: 44364  
Ion Ratio Lower Upper  
43 100  
58 35.1 29.0 43.4  
100 13.1 10.5 15.7

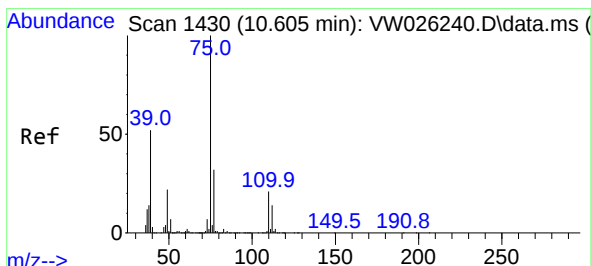
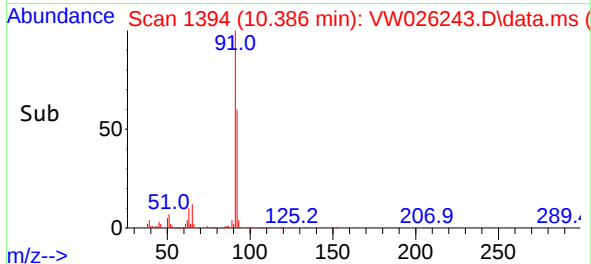
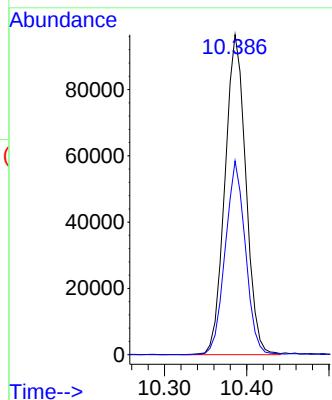
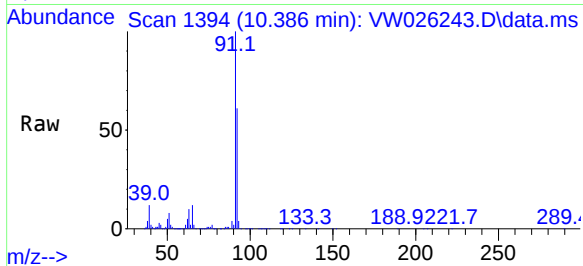




#42  
Toluene  
Concen: 22.742 ug/L  
RT: 10.386 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

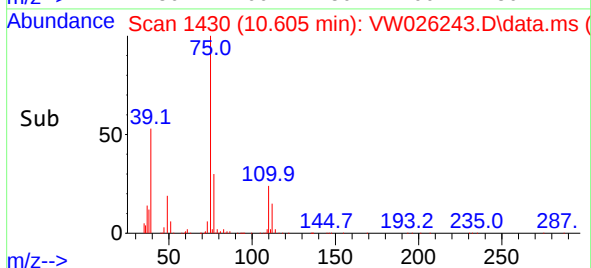
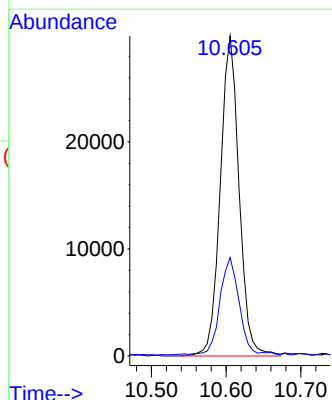
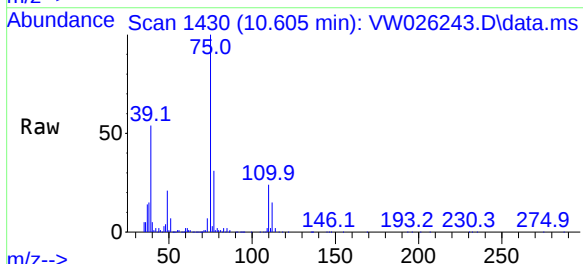
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

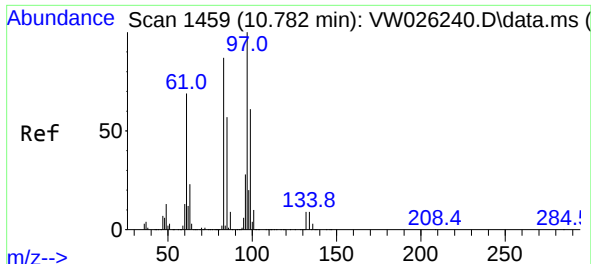
Tgt Ion: 91 Resp: 170945  
Ion Ratio Lower Upper  
91 100  
92 60.5 42.2 78.4



#44  
trans-1,3-Dichloropropene  
Concen: 21.478 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion: 75 Resp: 52342  
Ion Ratio Lower Upper  
75 100  
77 30.8 21.1 39.3



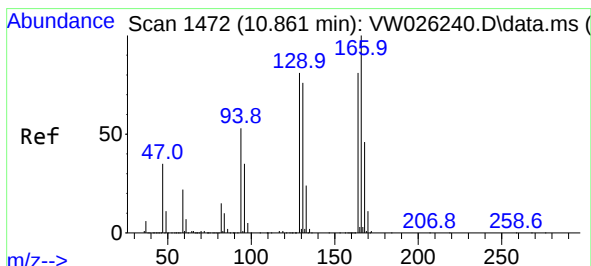
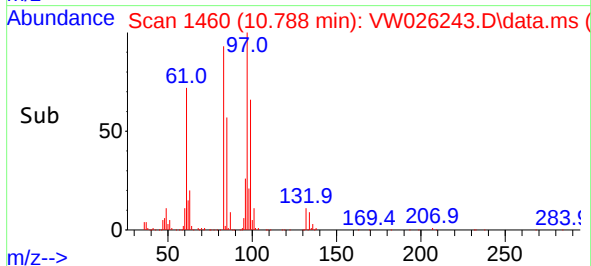
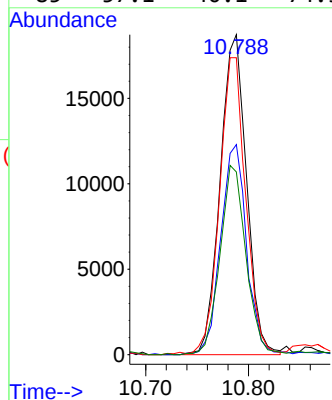
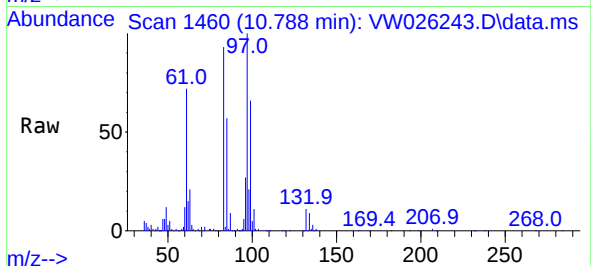


#45  
1,1,2-Trichloroethane  
Concen: 25.414 ug/L  
RT: 10.788 min Scan# 1459  
Delta R.T. 0.006 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

Tgt Ion: 97 Resp: 33340

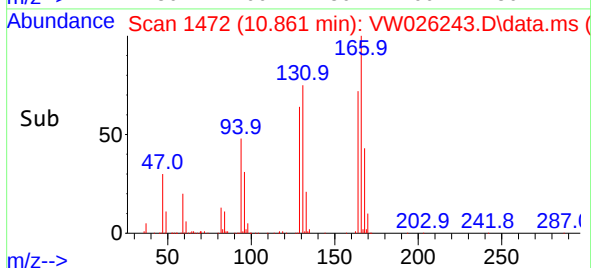
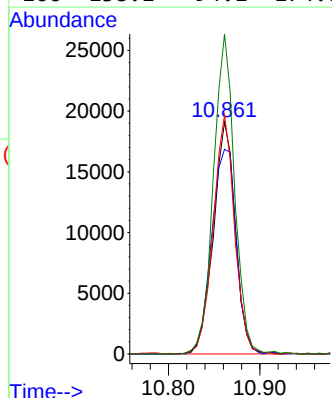
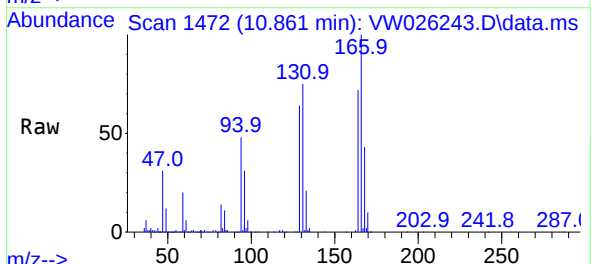
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.6  | 43.3  | 80.5  |
| 83  | 92.8  | 62.9  | 116.9 |
| 85  | 57.1  | 40.1  | 74.5  |

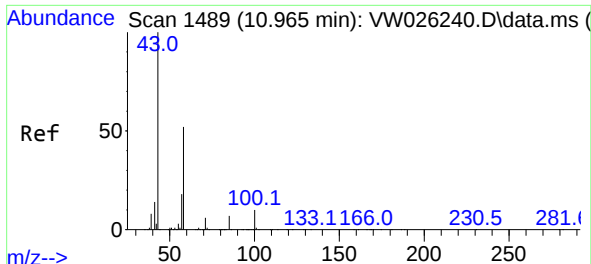


#46  
Tetrachloroethene  
Concen: 23.902 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion: 164 Resp: 31815

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 88.3  | 68.5  | 127.1 |
| 131 | 103.1 | 67.1  | 124.7 |
| 166 | 138.1 | 94.1  | 174.8 |

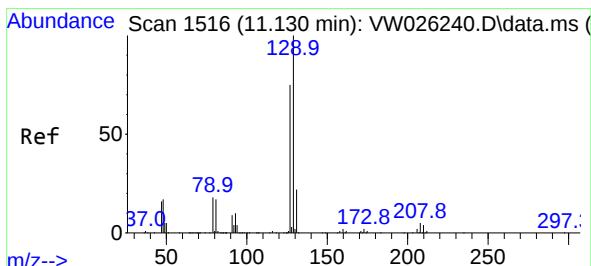
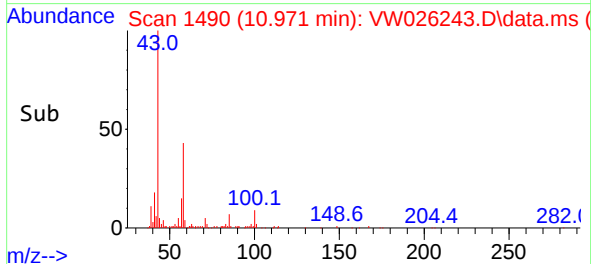
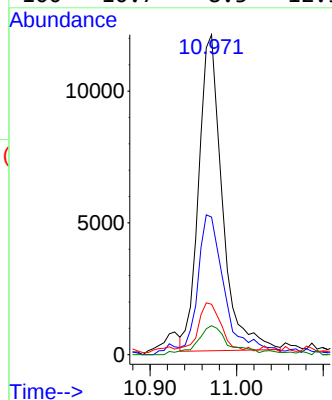
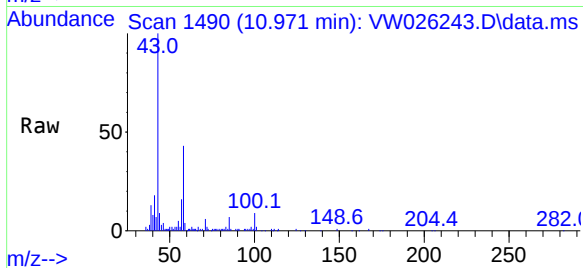




#48  
2-Hexanone  
Concen: 27.455 ug/L  
RT: 10.971 min Scan# 1489  
Delta R.T. 0.006 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

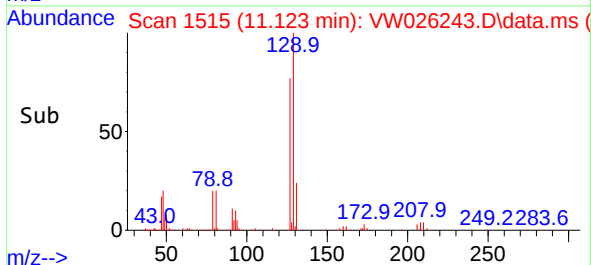
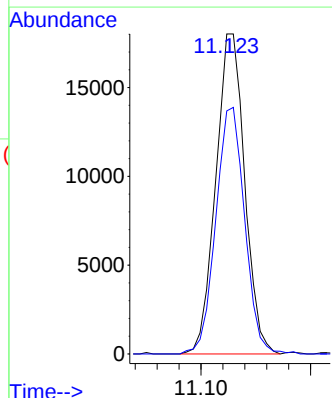
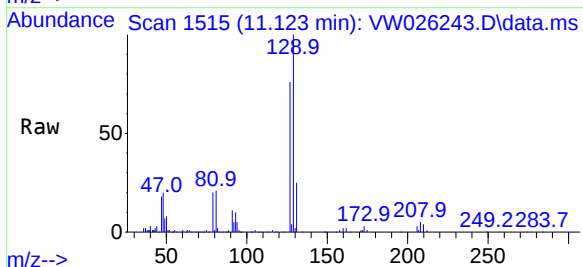
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

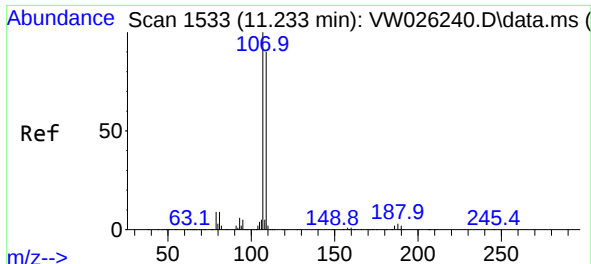
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 22718 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 48.5  | 42.2  | 63.2  |
| 57       | 15.7  | 14.2  | 21.2  |
| 100      | 10.7  | 8.3   | 12.5  |



#49  
Dibromochloromethane  
Concen: 24.031 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 33053 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 75.9  | 56.9  | 105.7 |

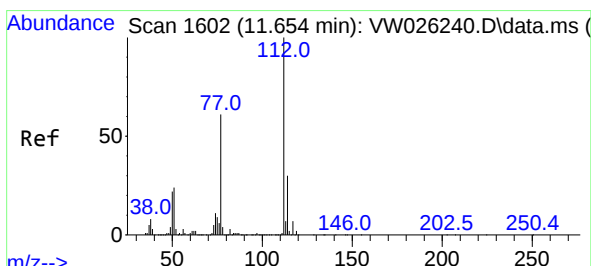
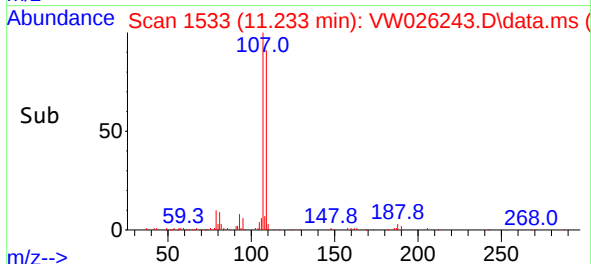
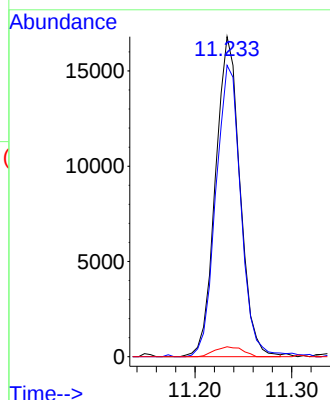
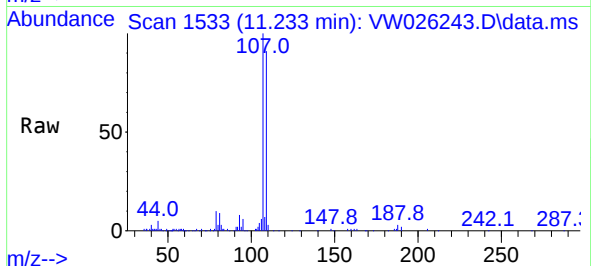




#50  
1,2-Dibromoethane  
Concen: 24.381 ug/L  
RT: 11.233 min Scan# 1533  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

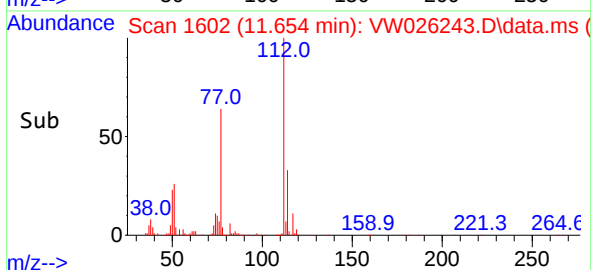
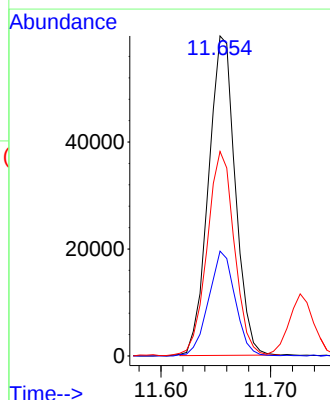
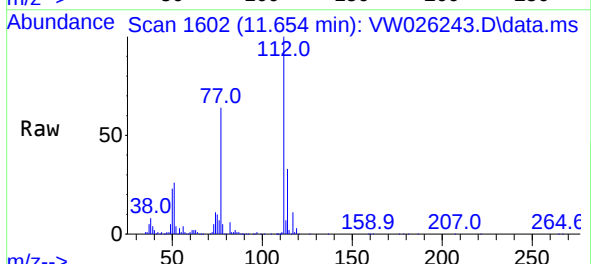
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

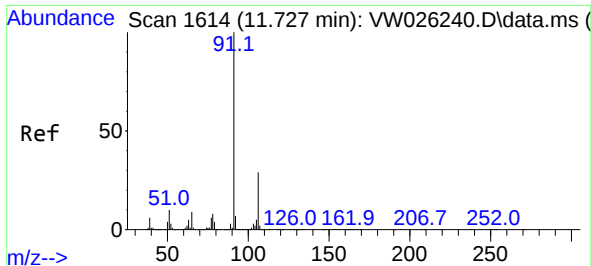
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 29616 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 91.1  | 64.0  | 119.0 |
| 188      | 3.1   | 2.6   | 3.8   |



#51  
Chlorobenzene  
Concen: 21.480 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 101177 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.8  | 23.0  | 42.6   |
| 77       | 63.9  | 50.9  | 76.3   |

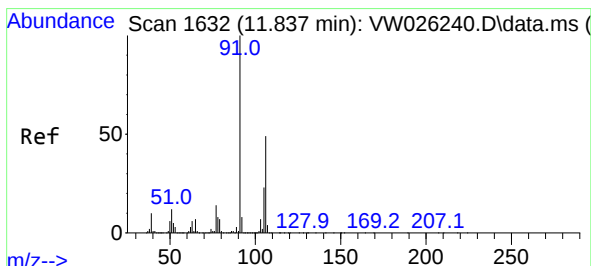
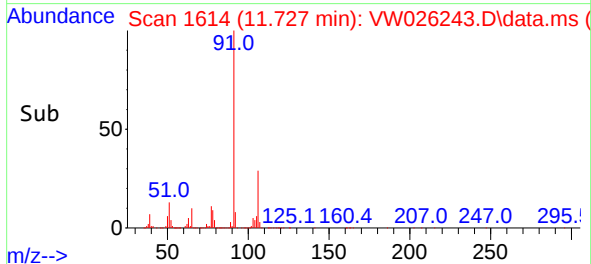
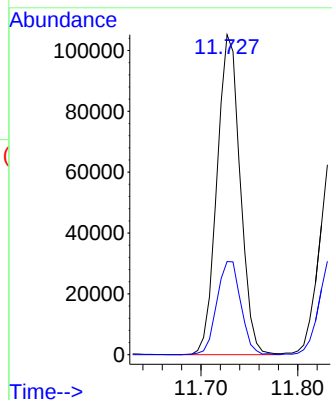
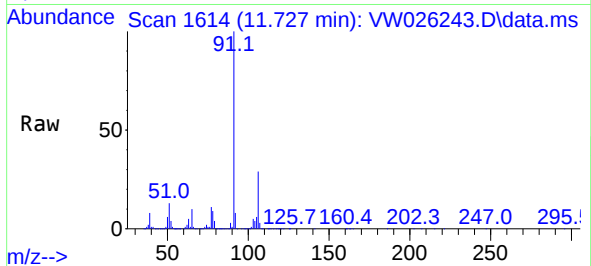




#52  
Ethylbenzene  
Concen: 20.668 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

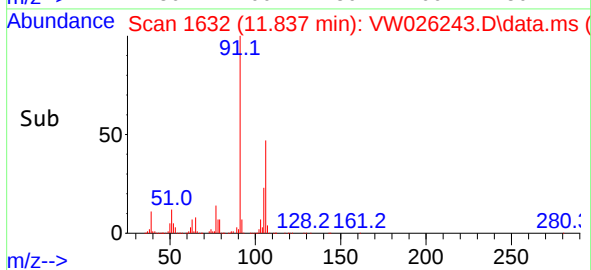
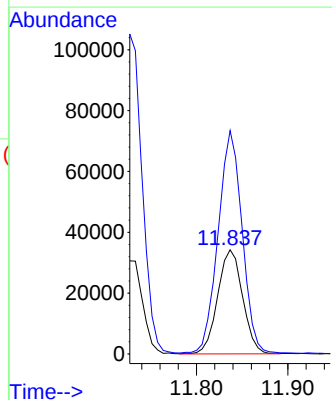
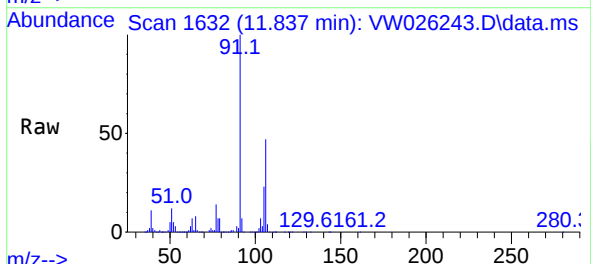
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

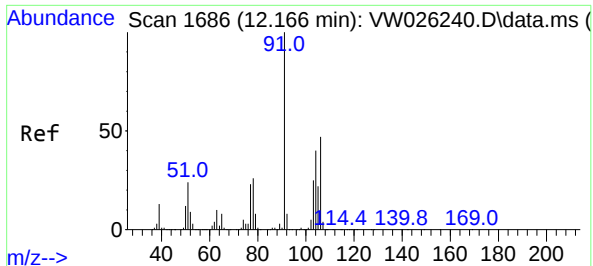
Tgt Ion: 91 Resp: 175255  
Ion Ratio Lower Upper  
91 100  
106 29.1 21.2 39.4



#53  
m,p-Xylene  
Concen: 20.576 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion: 106 Resp: 64905  
Ion Ratio Lower Upper  
106 100  
91 214.5 149.5 277.7

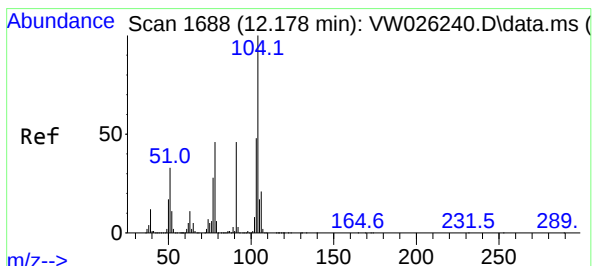
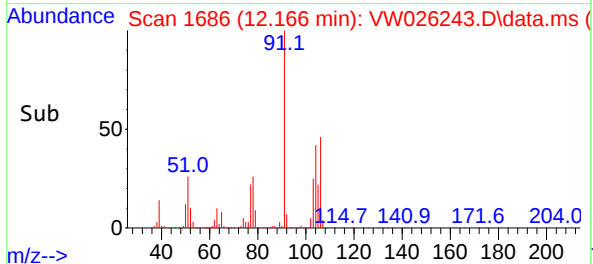
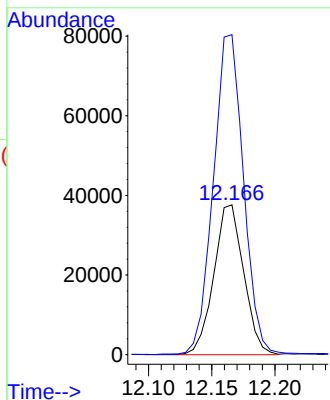
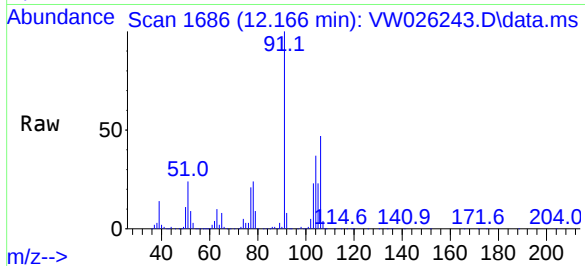




#54  
o-Xylene  
Concen: 20.749 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

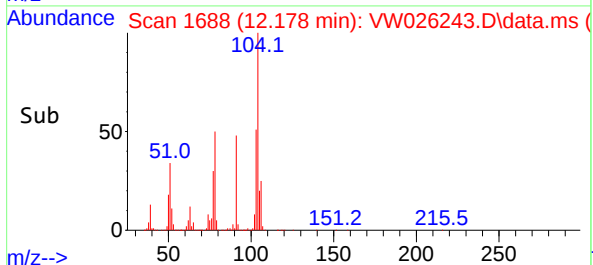
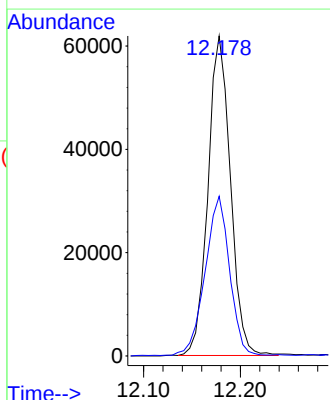
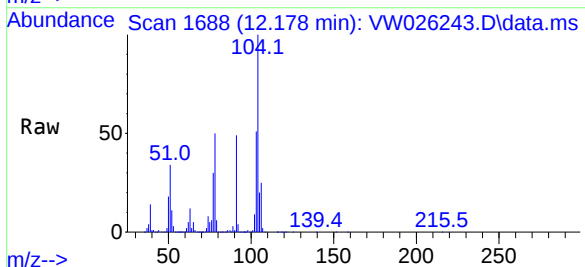
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

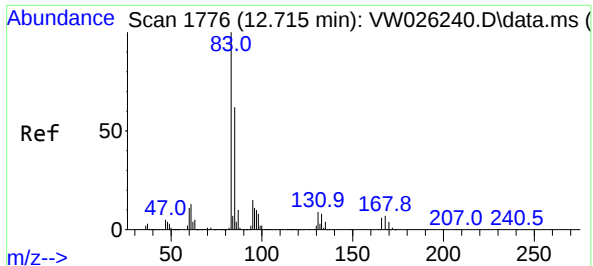
Tgt Ion:106 Resp: 61775  
Ion Ratio Lower Upper  
106 100  
91 213.5 150.9 280.3



#55  
Styrene  
Concen: 19.574 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion:104 Resp: 99980  
Ion Ratio Lower Upper  
104 100  
78 49.9 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 26.606 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026243.D

Acq: 19 Jun 2023 12:54

Instrument :

MSVOA\_W

ClientSampleId :

YBW10MSD

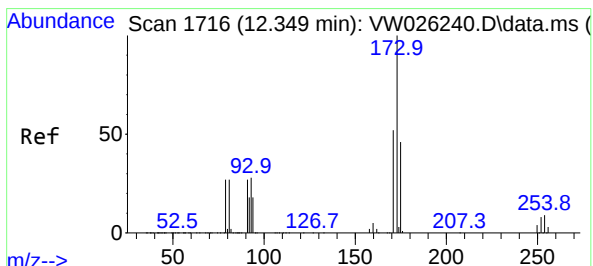
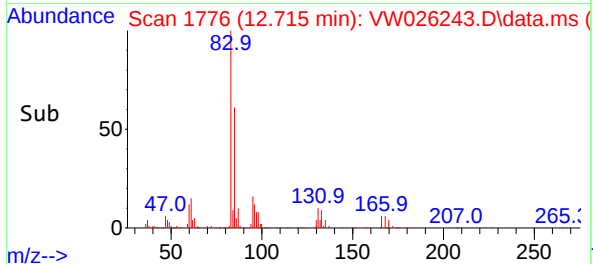
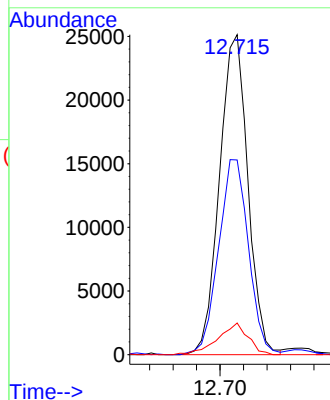
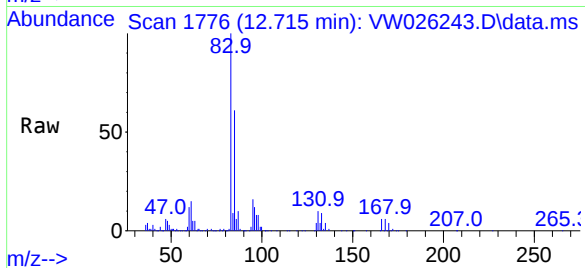
Tgt Ion: 83 Resp: 42241

Ion Ratio Lower Upper

83 100

85 60.8 42.6 79.0

131 9.9 7.2 10.8



#59

Bromoform

Concen: 23.710 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW026243.D

Acq: 19 Jun 2023 12:54

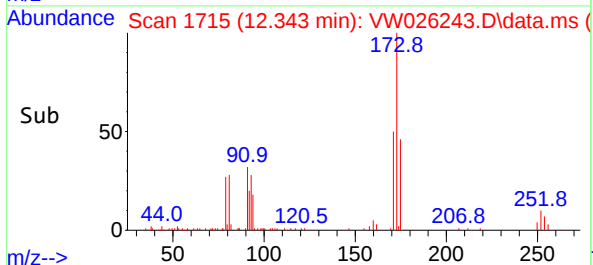
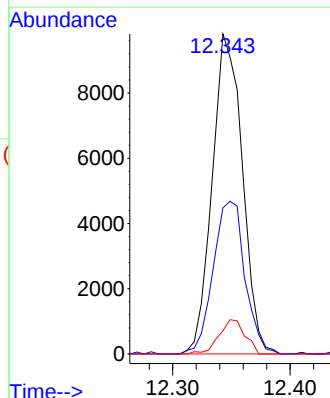
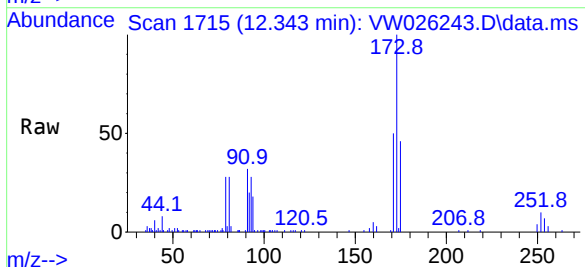
Tgt Ion: 173 Resp: 17474

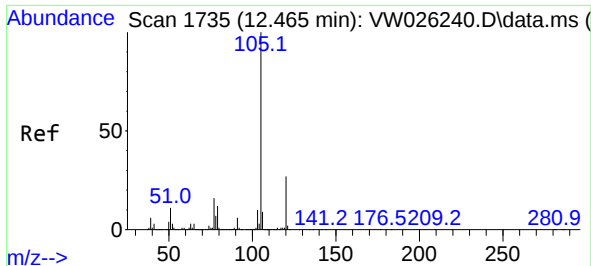
Ion Ratio Lower Upper

173 100

175 50.2 38.6 57.8

254 9.0 7.4 11.0

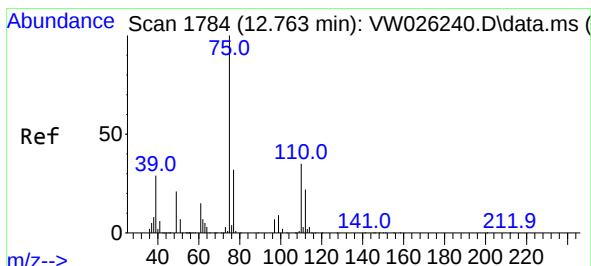
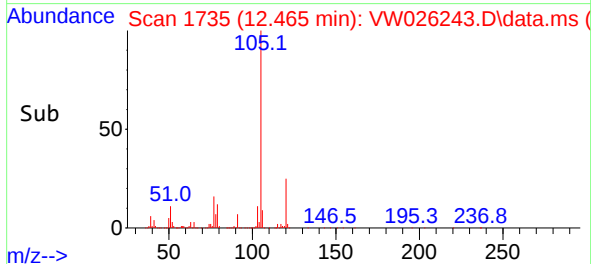
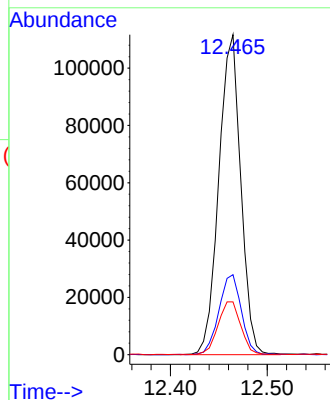
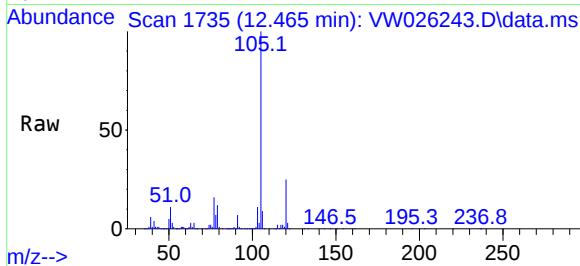




#60  
Isopropylbenzene  
Concen: 22.781 ug/L  
RT: 12.465 min Scan# 1735  
Delta R.T. 0.006 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

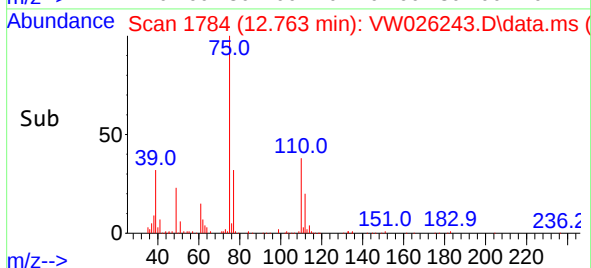
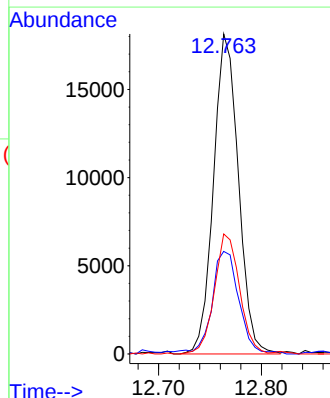
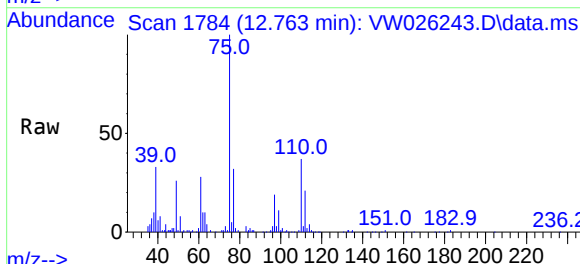
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

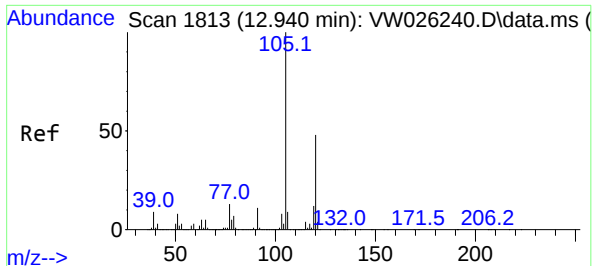
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 175604 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 25.5  | 19.8  | 29.8   |
| 77       | 17.0  | 13.3  | 19.9   |



#61  
1,2,3-Trichloropropane  
Concen: 27.721 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 30469 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 33.8  | 25.2  | 37.8  |
| 110      | 37.9  | 28.7  | 43.1  |

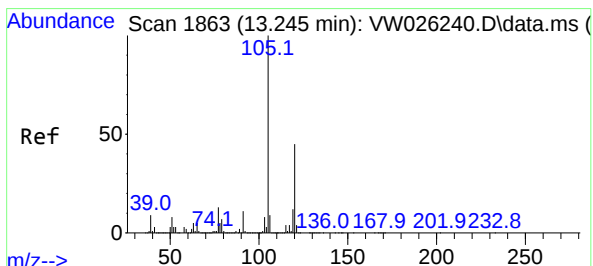
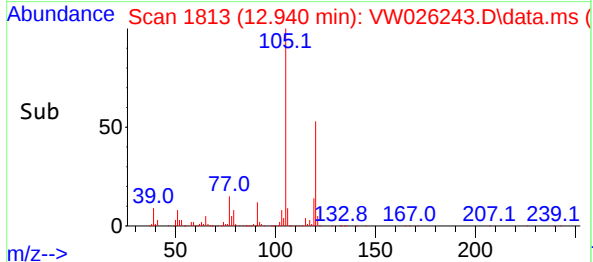
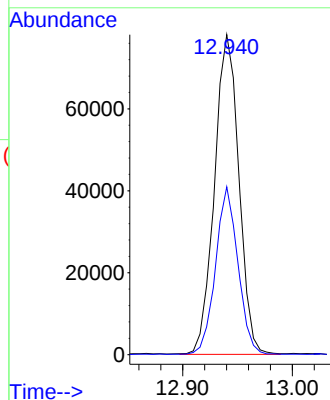
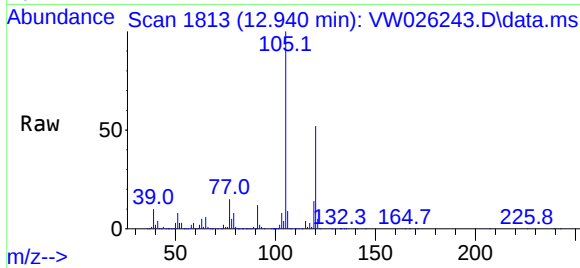




#62  
1,3,5-Trimethylbenzene  
Concen: 19.718 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

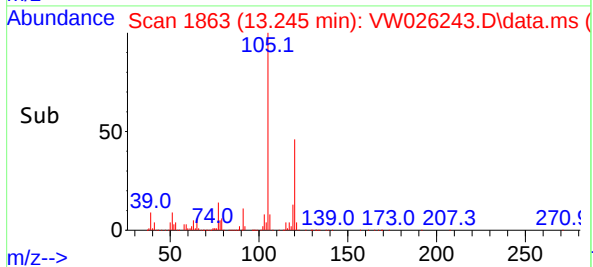
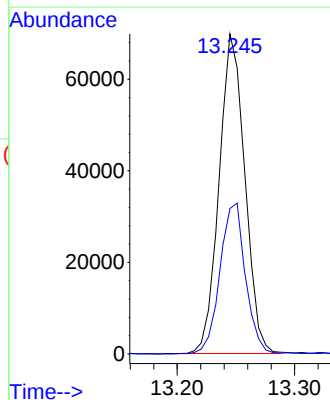
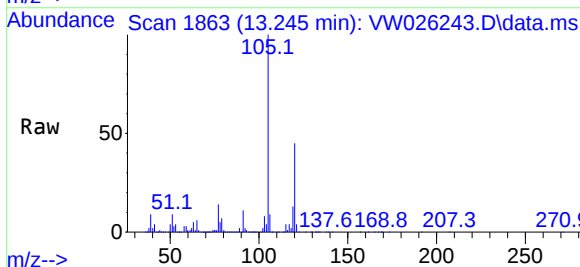
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

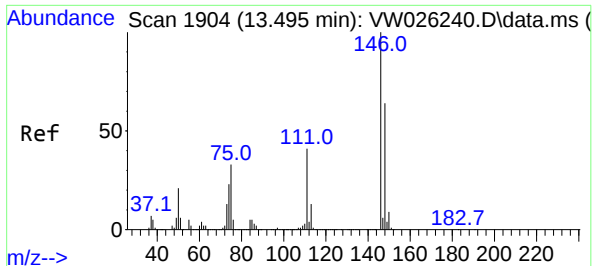
Tgt Ion:105 Resp: 120824  
Ion Ratio Lower Upper  
105 100  
120 47.8 38.8 58.2



#63  
1,2,4-Trimethylbenzene  
Concen: 18.939 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion:105 Resp: 106290  
Ion Ratio Lower Upper  
105 100  
120 46.9 36.2 54.2

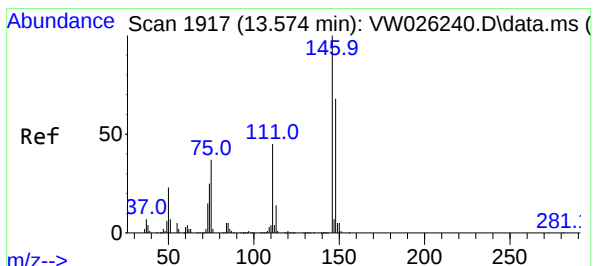
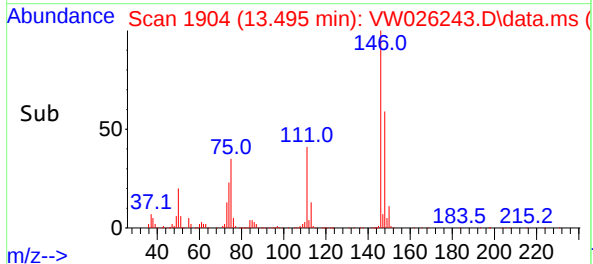
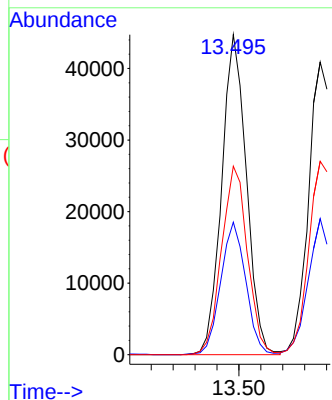
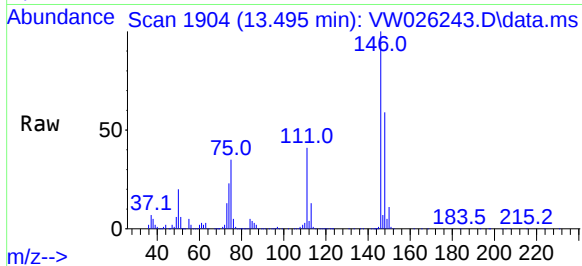




#64  
1,3-Dichlorobenzene  
Concen: 21.619 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

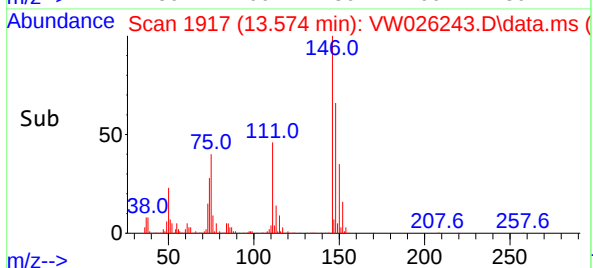
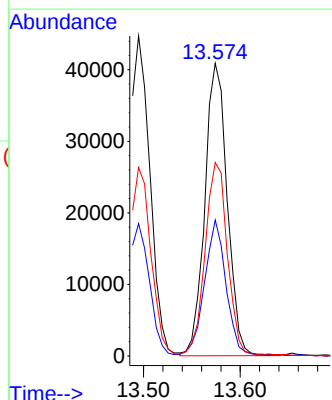
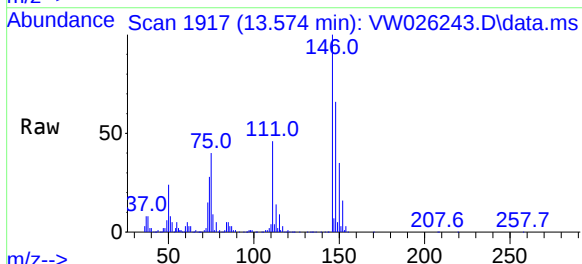
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

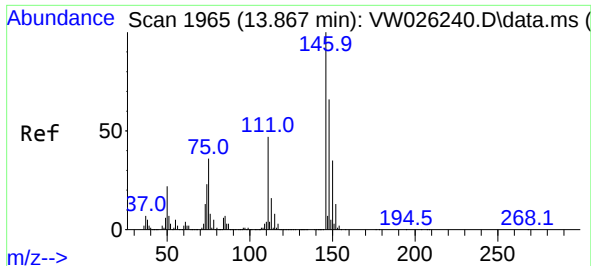
Tgt Ion:146 Resp: 70067  
Ion Ratio Lower Upper  
146 100  
111 41.4 29.7 55.1  
148 58.9 45.4 84.4



#65  
1,4-Dichlorobenzene  
Concen: 20.224 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Tgt Ion:146 Resp: 65990  
Ion Ratio Lower Upper  
146 100  
111 46.5 29.2 54.2  
148 66.1 42.8 79.6

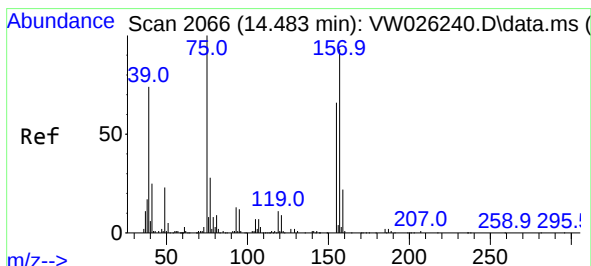
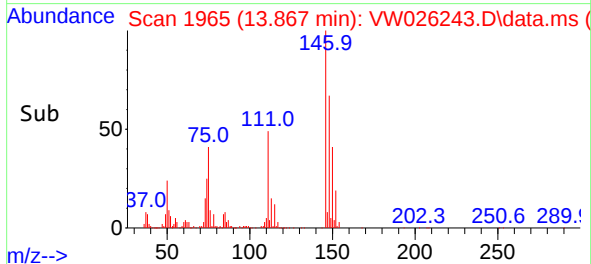
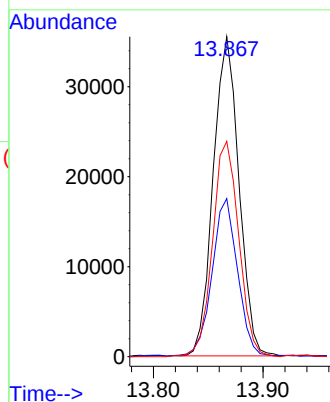
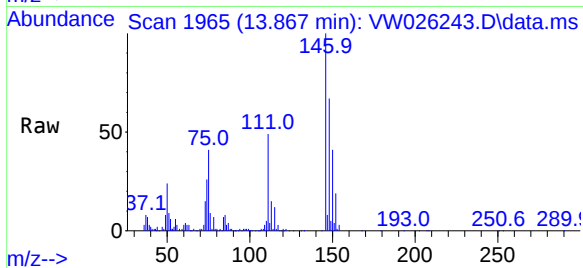




#67  
1,2-Dichlorobenzene  
Concen: 19.849 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

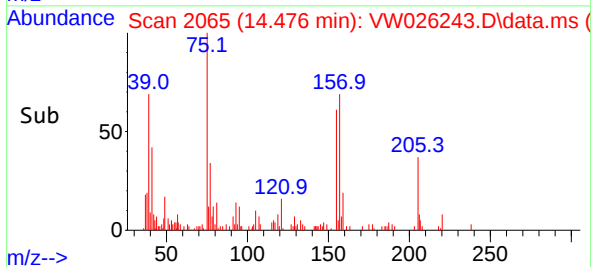
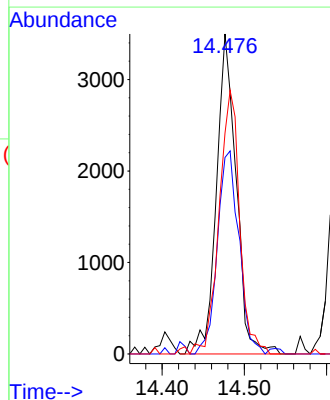
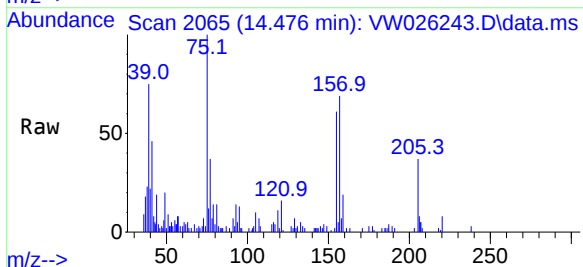
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

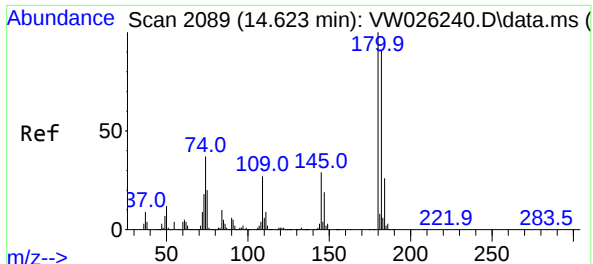
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 57767 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 49.4  | 35.4  | 53.0  |
| 148      | 67.3  | 51.7  | 77.5  |



#68  
1,2-Dibromo-3-chloropropane  
Concen: 23.138 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. -0.006 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5892  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 61.4  | 59.0  | 88.6  |
| 157      | 69.0  | 71.7  | 107.5 |

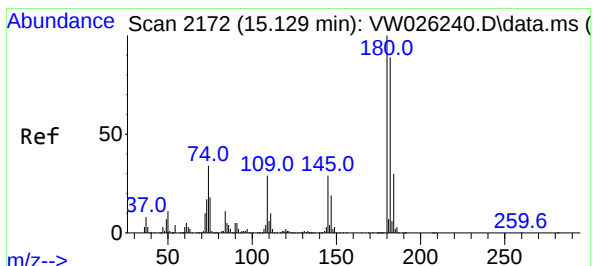
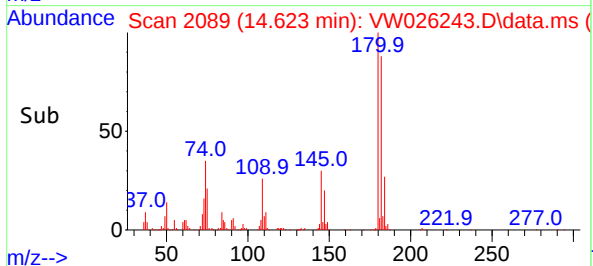
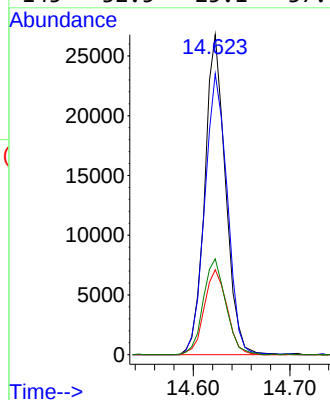
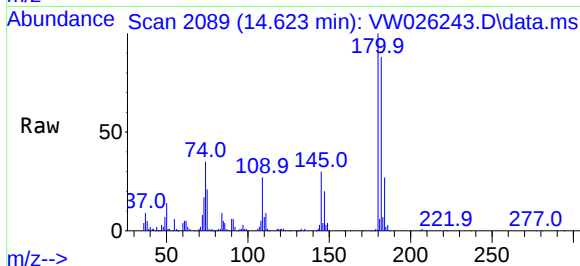




#69  
1,3,5-Trichlorobenzene  
Concen: 18.026 ug/L  
RT: 14.623 min Scan# 2089  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

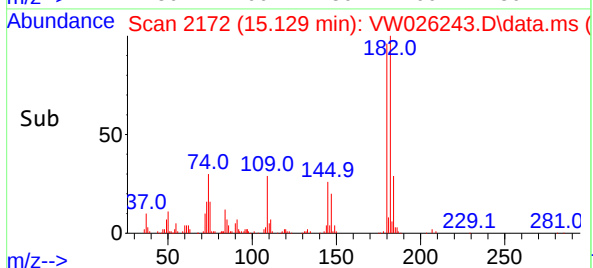
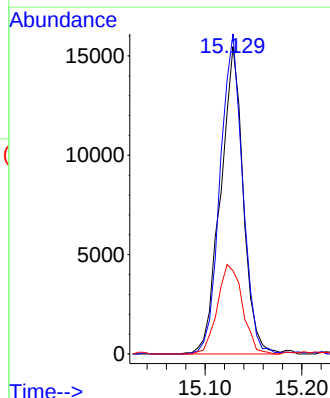
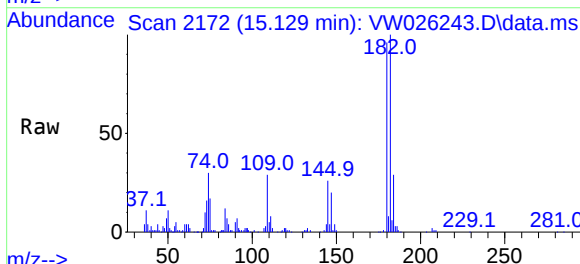
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

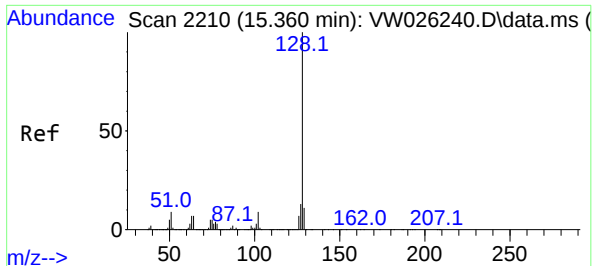
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 40132 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.7  | 77.0  | 115.4 |
| 184       | 29.0  | 23.7  | 35.5  |
| 145       | 32.5  | 25.1  | 37.7  |



#70  
1,2,4-trichlorobenzene  
Concen: 13.704 ug/L  
RT: 15.129 min Scan# 2172  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 25176 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 102.9 | 78.9  | 118.3 |
| 145       | 32.0  | 27.2  | 40.8  |

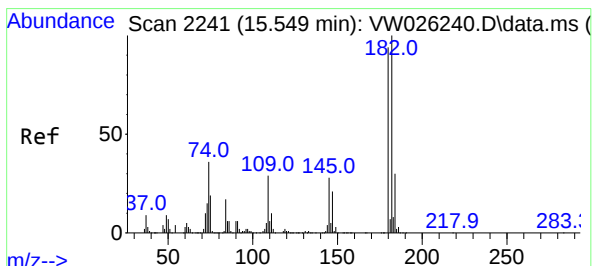
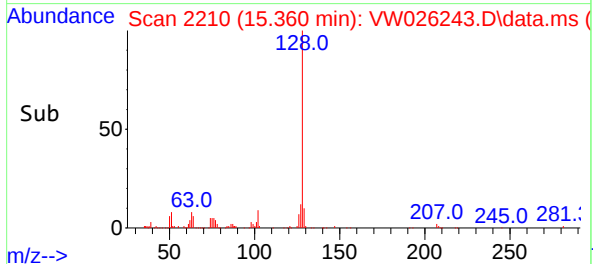
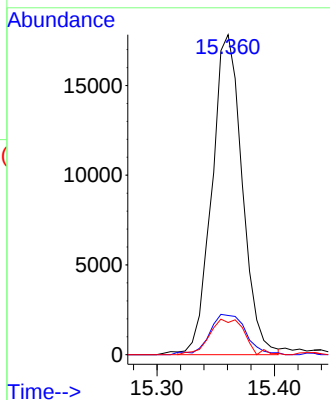
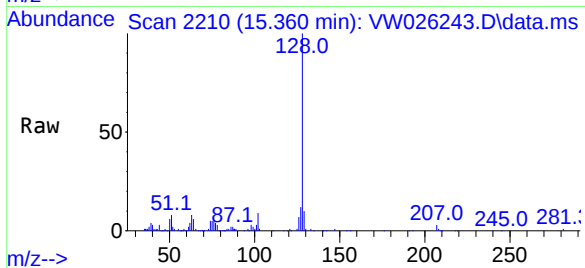




#71  
Naphthalene  
Concen: 9.752 ug/L  
RT: 15.360 min Scan# 2210  
Delta R.T. 0.000 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW10MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 31931 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 14.7  | 10.6  | 15.8  |
| 129      | 12.3  | 8.8   | 13.2  |



#72  
1,2,3-Trichlorobenzene  
Concen: 12.707 ug/L  
RT: 15.549 min Scan# 2241  
Delta R.T. 0.006 min  
Lab File: VW026243.D  
Acq: 19 Jun 2023 12:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 20401 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 93.2  | 76.3  | 114.5 |
| 145      | 36.4  | 27.0  | 40.6  |

