

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW061523\  
 Data File : VW026212.D  
 Acq On : 15 Jun 2023 18:41  
 Operator : SY/MD  
 Sample : 03234-06MSD  
 Misc : 5.38g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jun 16 06:23:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM053023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 14 23:24:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 617719   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 538837   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 219999   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 159445   | 18.348   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 73.400%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 148186   | 22.780   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 91.120%   |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 82323    | 19.212   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 76.840%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 189638   | 74.957   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 149.920%# |
| 24) Chloroform-d              | 7.648  | 84    | 406038   | 22.447   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 89.800%   |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 242718   | 24.538   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 98.160%   |
| 32) Benzene-d6                | 8.276  | 84    | 772526   | 21.307   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 85.240%   |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 265003   | 23.070   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 92.280%   |
| 41) Toluene-d8                | 10.325 | 98    | 634656   | 19.738   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 78.960%   |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 97453    | 21.410   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 85.640%   |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 130164   | 71.865   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 143.740%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 252607   | 30.220   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 120.880%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 177614   | 21.093   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 84.360%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 139448   | 18.415   | ug/L   | 90        |
| 3) Chloromethane              | 2.228  | 50    | 207731   | 21.394   | ug/L   | 96        |
| 5) Vinyl chloride             | 2.375  | 62    | 212894   | 20.513   | ug/L   | 99        |
| 6) Bromomethane               | 2.783  | 94    | 120444   | 21.287   | ug/L   | 96        |
| 8) Chloroethane               | 2.936  | 64    | 128970   | 22.995   | ug/L   | 97        |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 141125   | 21.136   | ug/L   | 100       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 175831   | 20.869   | ug/L   | 97        |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 160991   | 20.470   | ug/L   | 80        |
| 13) Acetone                   | 4.118  | 43    | 156437   | 79.912   | ug/L   | 100       |
| 14) Carbon disulfide          | 4.393  | 76    | 475495   | 17.126   | ug/L   | 99        |
| 15) Methyl Acetate            | 4.673  | 43    | 134251   | 30.556   | ug/L   | 98        |
| 16) Methylene chloride        | 4.923  | 84    | 200001   | 20.286   | ug/L   | 99        |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 173098   | 19.616   | ug/L   | 94        |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 331200   | 23.814   | ug/L # | 91        |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 384996   | 21.431   | ug/L   | 98        |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 198851   | 21.274   | ug/L   | 96        |
| 22) 2-Butanone                | 7.173  | 43    | 209000   | 74.843   | ug/L   | 97        |
| 23) Bromochloromethane        | 7.514  | 128   | 88976    | 22.321   | ug/L   | 96        |
| 25) Chloroform                | 7.673  | 83    | 360176   | 21.526   | ug/L   | 100       |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

Quant Time: Jun 16 06:23:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM053023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 14 23:24:58 2023  
 Response via : Initial Calibration

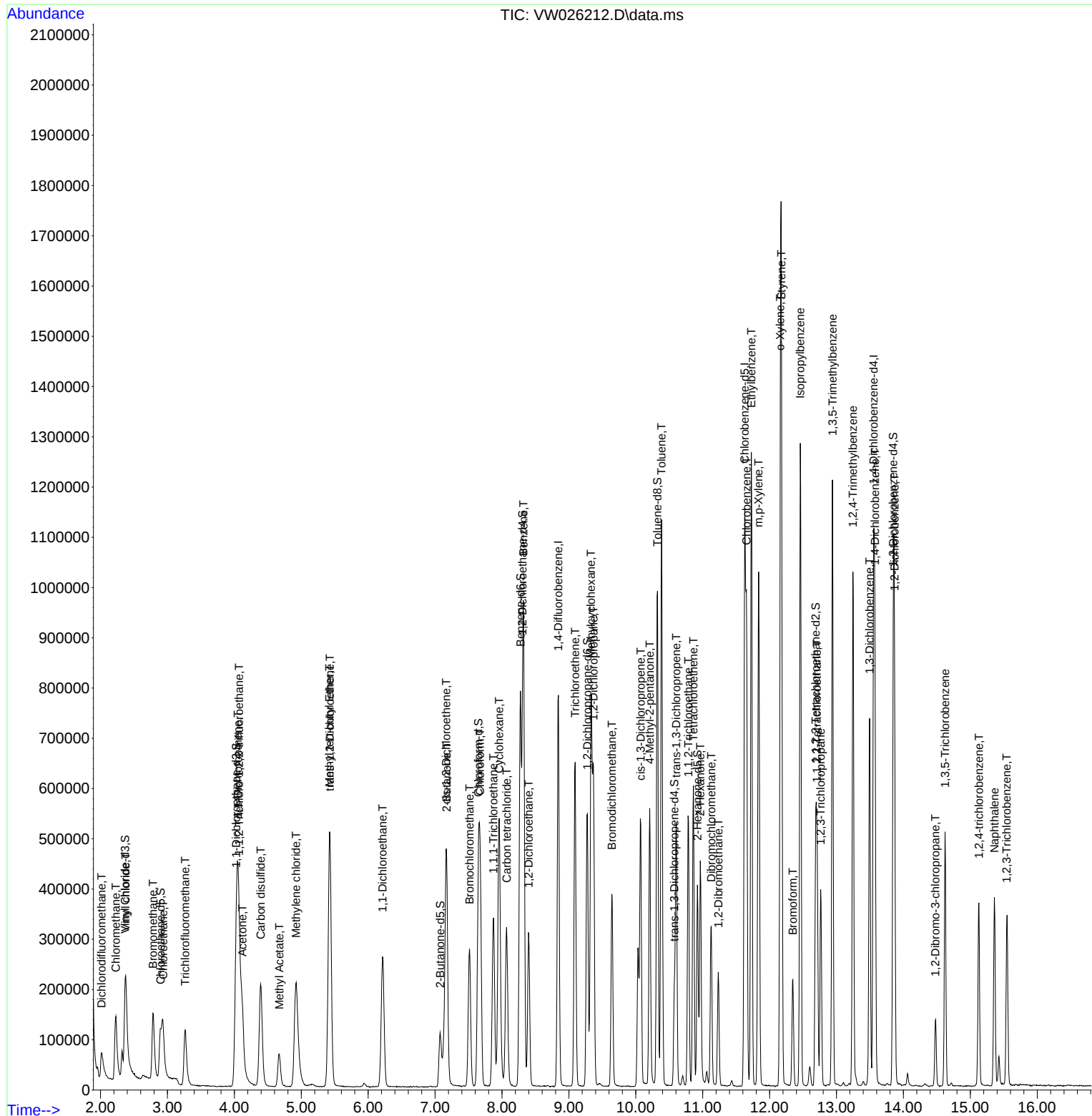
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 271480   | 23.525 | ug/L  | 96       |
| 29) Cyclohexane               | 7.959  | 56   | 313943   | 18.872 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 266314   | 20.366 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 242644   | 20.335 | ug/L  | 97       |
| 33) Benzene                   | 8.319  | 78   | 782758   | 21.206 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 227718   | 24.093 | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.331  | 83   | 289997   | 17.339 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 232651   | 23.270 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 257617   | 22.179 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 314150   | 21.382 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 386813   | 65.624 | ug/L  | 100      |
| 42) Toluene                   | 10.386 | 91   | 787486   | 20.858 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 277413   | 22.664 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 164683   | 24.993 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 124345   | 18.599 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.965 | 43   | 291229   | 70.073 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 165105   | 23.899 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 150552   | 24.676 | ug/L  | 96       |
| 51) Chlorobenzene             | 11.654 | 112  | 453064   | 19.150 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 845709   | 19.857 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.836 | 106  | 308522   | 19.473 | ug/L  | 99       |
| 54) o-Xylene                  | 12.160 | 106  | 300133   | 20.070 | ug/L  | 98       |
| 55) Styrene                   | 12.178 | 104  | 508514   | 19.821 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 216602   | 27.163 | ug/L  | 95       |
| 59) Bromoform                 | 12.349 | 173  | 92258    | 27.920 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 787075   | 22.774 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 164532   | 33.388 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 605120   | 22.025 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 530351   | 21.076 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 269507   | 18.547 | ug/L  | 91       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 289437   | 19.784 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 275575   | 21.119 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 35982    | 31.515 | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 139554   | 13.981 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 104809   | 12.725 | ug/L  | 98       |
| 71) Naphthalene               | 15.360 | 128  | 302228   | 20.588 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 103562   | 14.387 | ug/L  | 100      |

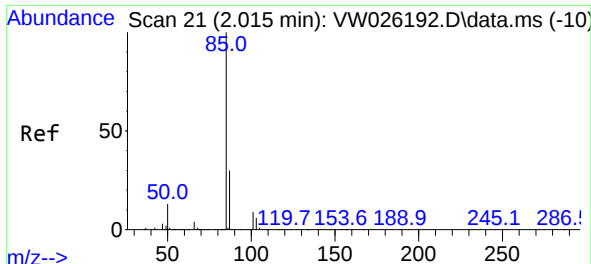
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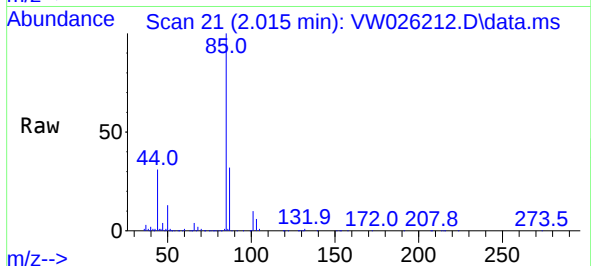
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Quant Title : SFAM01.0  
QLast Update : Wed Jun 14 23:24:58 2023  
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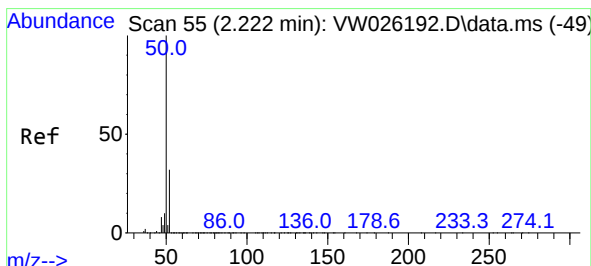
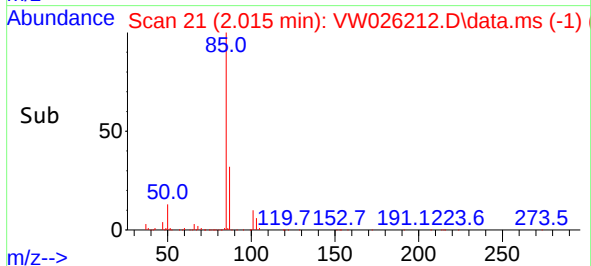
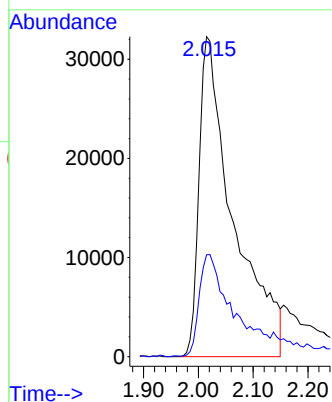


#2  
Dichlorodifluoromethane  
Concen: 18.415 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Instrument :  
MSVOA\_W  
ClientSampleId :

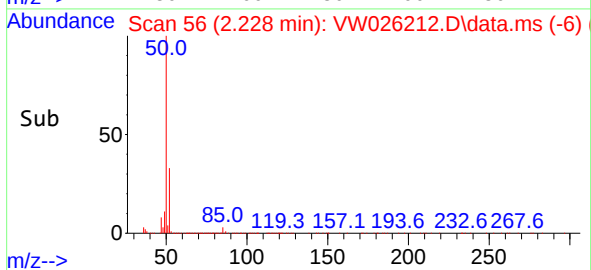
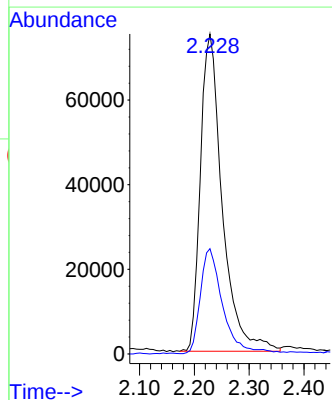
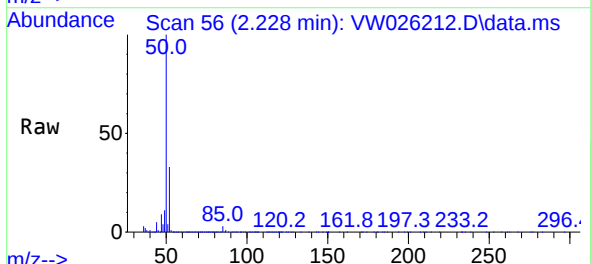


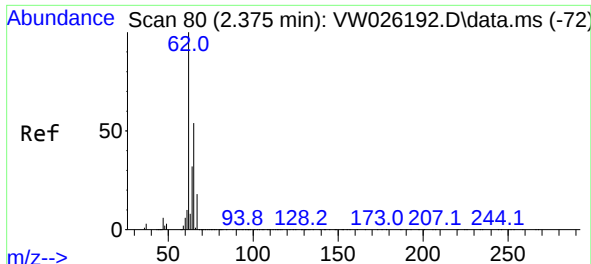
Tgt Ion: 85 Resp: 139448  
Ion Ratio Lower Upper  
85 100  
87 22.7 22.2 33.2



#3  
Chloromethane  
Concen: 21.394 ug/L  
RT: 2.228 min Scan# 56  
Delta R.T. 0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion: 50 Resp: 207731  
Ion Ratio Lower Upper  
50 100  
52 32.9 21.3 39.6

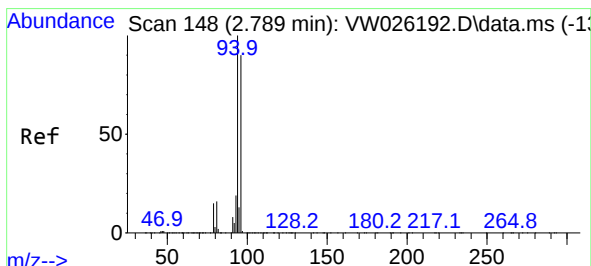
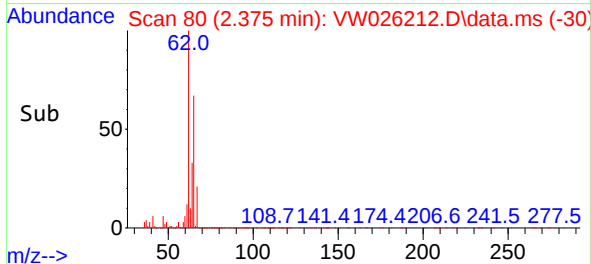
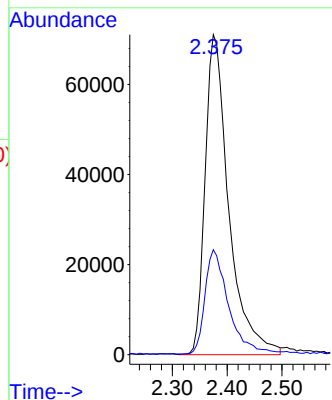
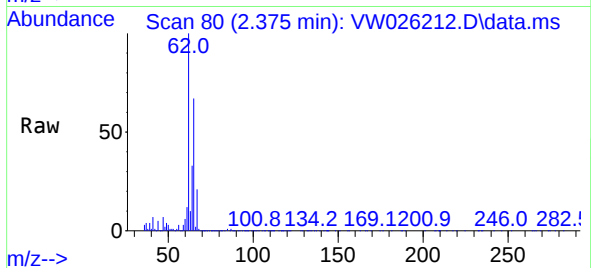




#5  
 Vinyl chloride  
 Concen: 20.513 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.006 min  
 Lab File: VW026212.D  
 Acq: 15 Jun 2023 18:41

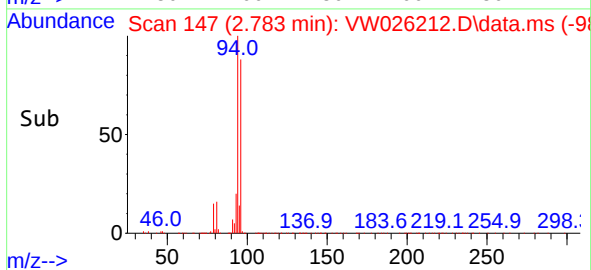
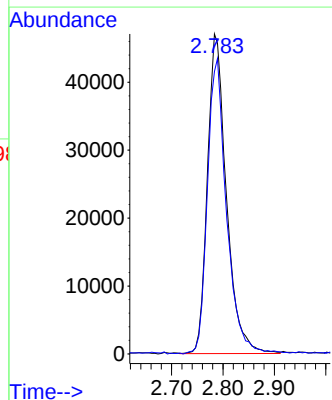
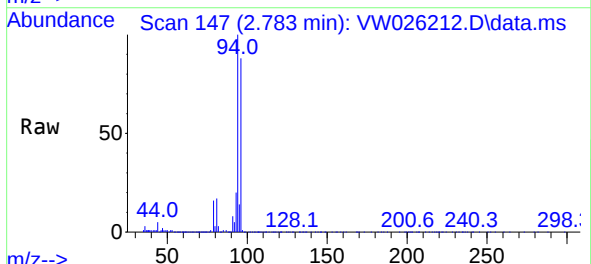
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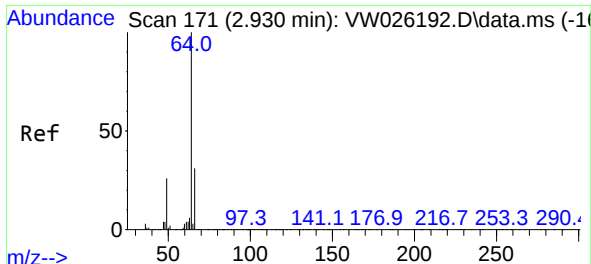
Tgt Ion: 62 Resp: 212894  
 Ion Ratio Lower Upper  
 62 100  
 64 32.8 22.7 42.1



#6  
 Bromomethane  
 Concen: 21.287 ug/L  
 RT: 2.783 min Scan# 147  
 Delta R.T. -0.000 min  
 Lab File: VW026212.D  
 Acq: 15 Jun 2023 18:41

Tgt Ion: 94 Resp: 120444  
 Ion Ratio Lower Upper  
 94 100  
 96 88.3 64.2 119.2

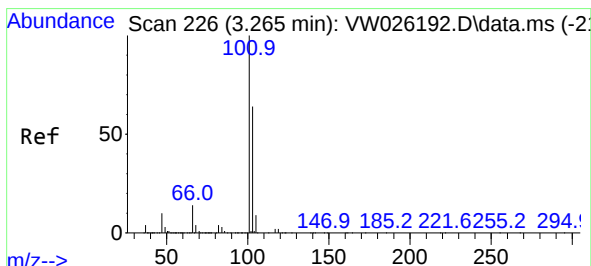
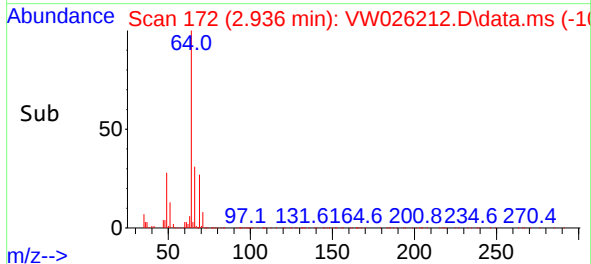
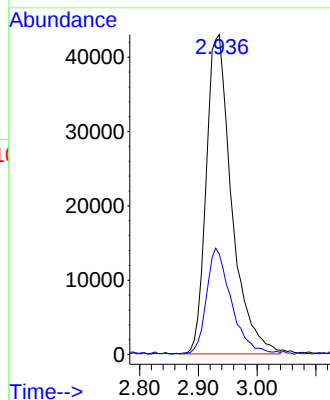
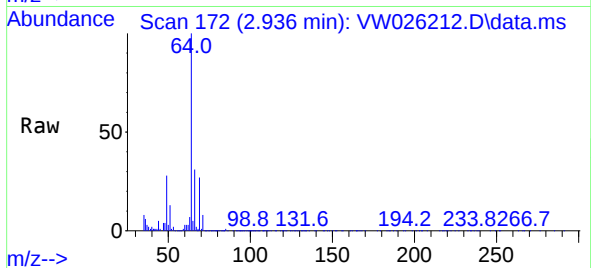




#8  
Chloroethane  
Concen: 22.995 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

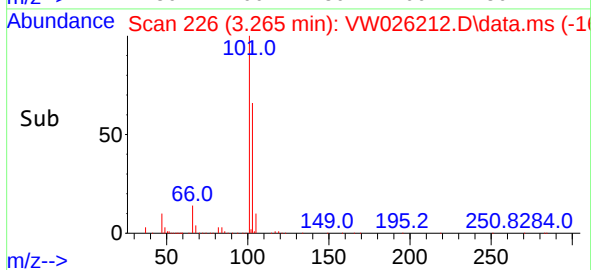
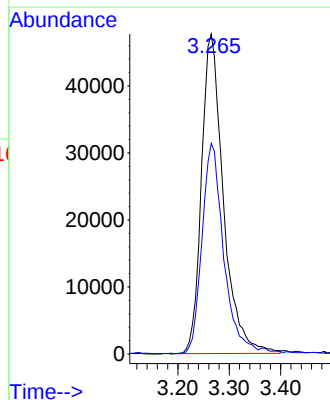
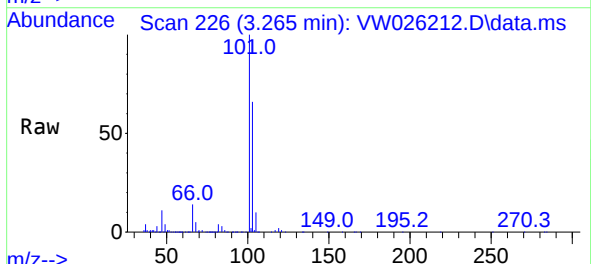
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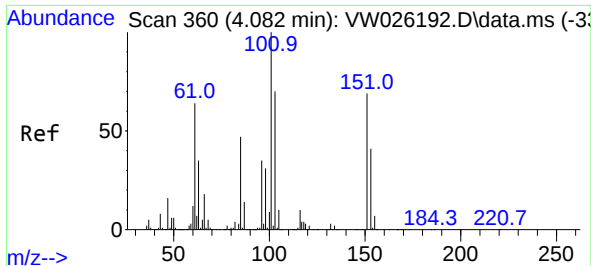
Tgt Ion: 64 Resp: 128970  
Ion Ratio Lower Upper  
64 100  
66 31.4 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 21.136 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion: 101 Resp: 141125  
Ion Ratio Lower Upper  
101 100  
103 64.8 51.6 77.4





#10

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

Concen: 20.869 ug/L

RT: 4.070 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW026212.D

Acq: 15 Jun 2023 18:41

Instrument :

MSVOA\_W

ClientSampleId :

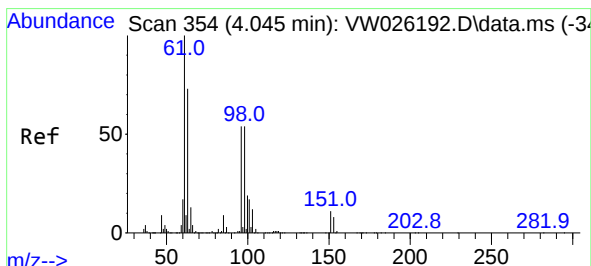
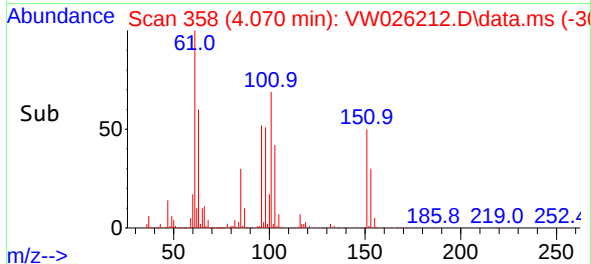
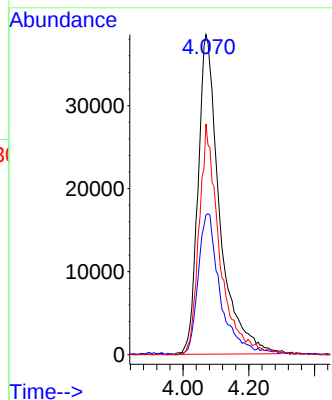
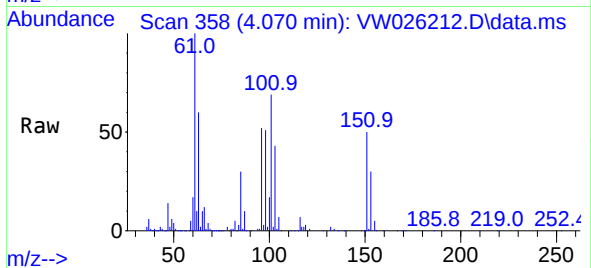
Tgt Ion:101 Resp: 175831

Ion Ratio Lower Upper

101 100

85 44.5 36.1 54.1

151 65.9 55.1 82.7



#12

1,1-Dichloroethene

Concen: 20.470 ug/L

RT: 4.051 min Scan# 355

Delta R.T. 0.006 min

Lab File: VW026212.D

Acq: 15 Jun 2023 18:41

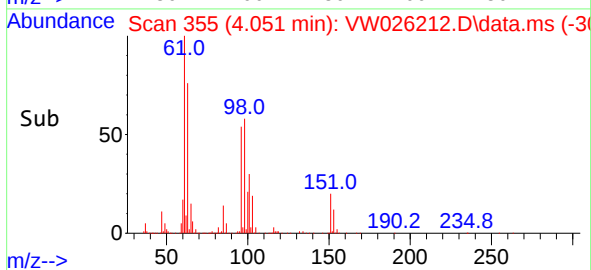
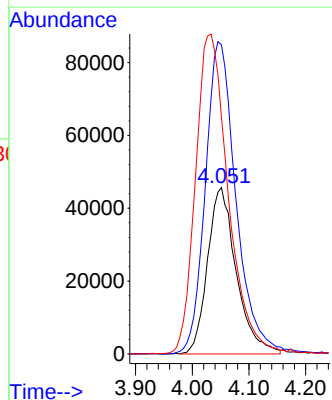
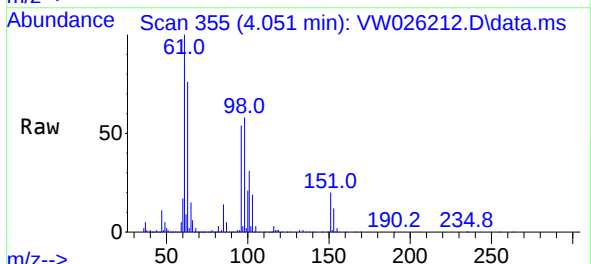
Tgt Ion: 96 Resp: 160991

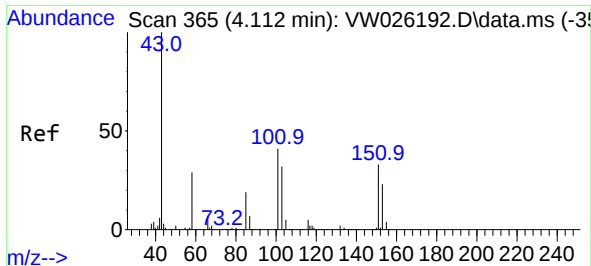
Ion Ratio Lower Upper

96 100

61 185.7 140.6 261.0

63 142.0 131.7 244.5

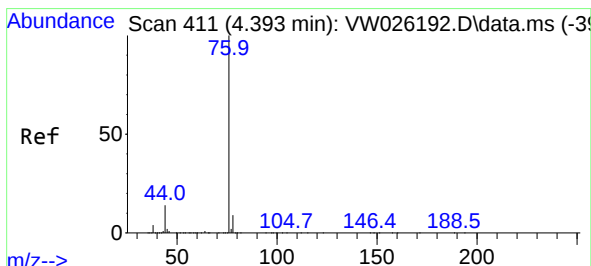
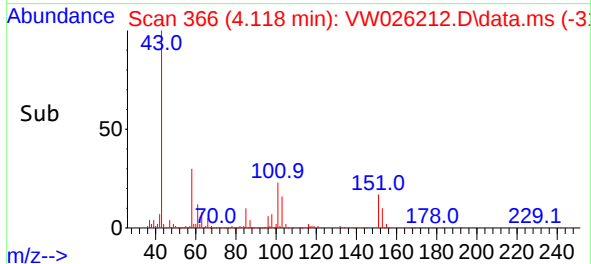
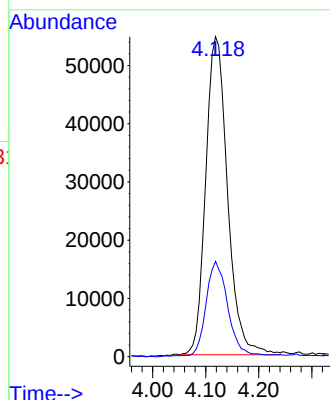
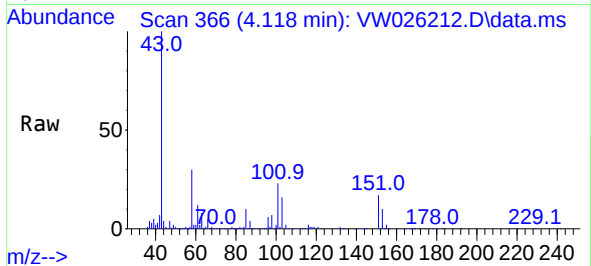




#13  
Acetone  
Concen: 79.912 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. -0.012 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

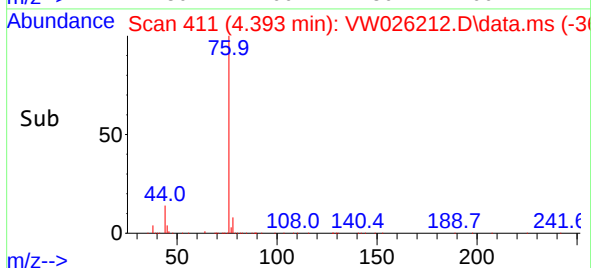
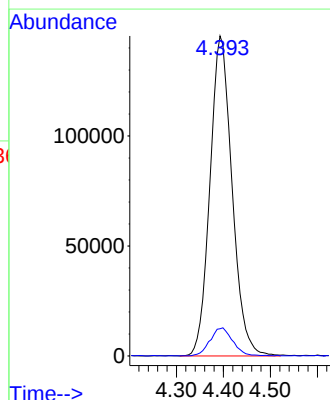
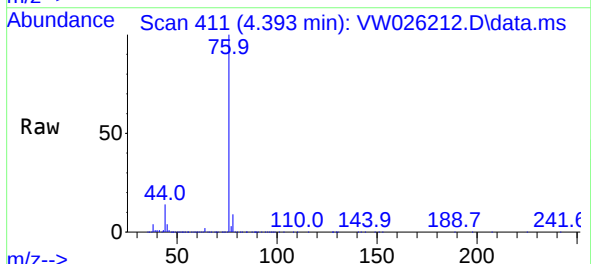
Instrument :  
MSVOA\_W  
ClientSampleId :

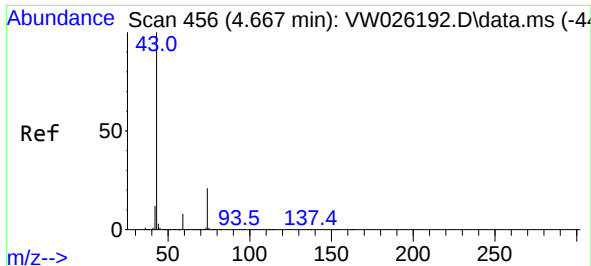
Tgt Ion: 43 Resp: 156437  
Ion Ratio Lower Upper  
43 100  
58 28.9 0.0 58.2



#14  
Carbon disulfide  
Concen: 17.126 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion: 76 Resp: 475495  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.2 10.8

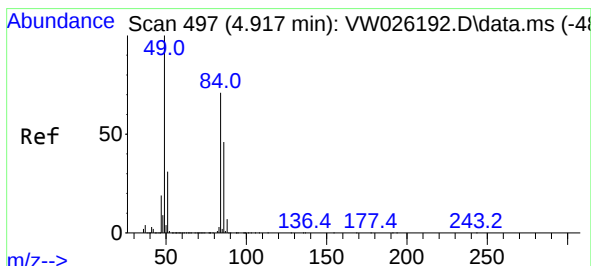
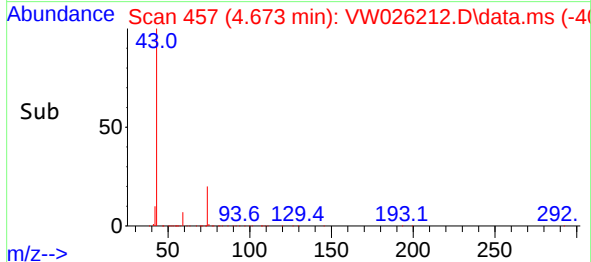
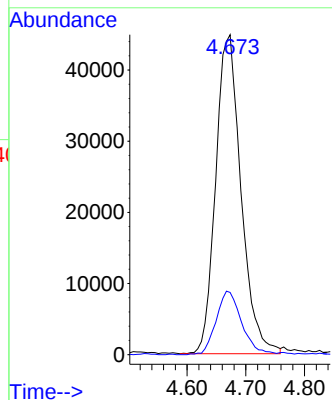
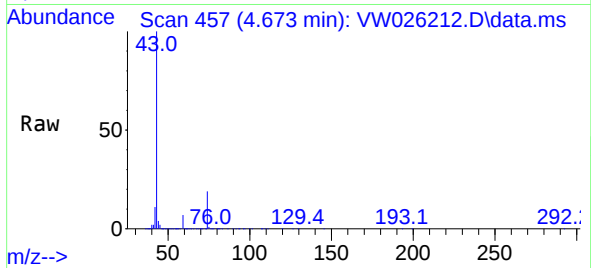




#15  
Methyl Acetate  
Concen: 30.556 ug/L  
RT: 4.673 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

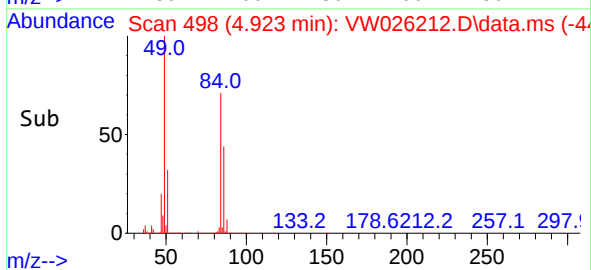
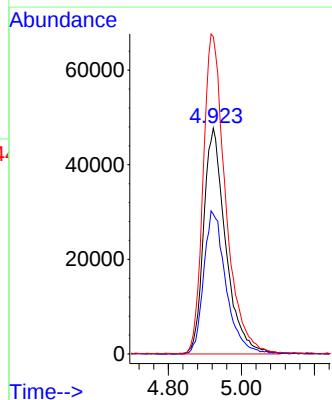
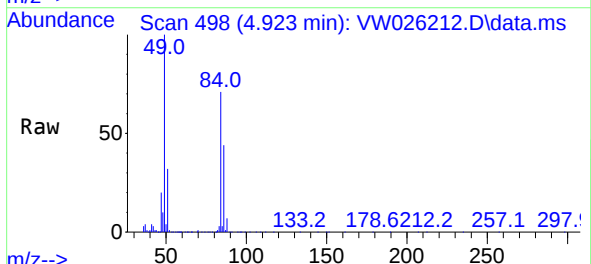
Instrument :  
MSVOA\_W  
ClientSampleId :

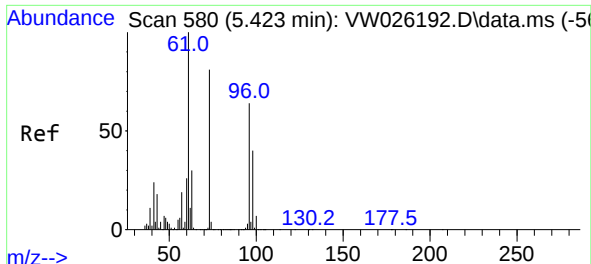
Tgt Ion: 43 Resp: 134251  
Ion Ratio Lower Upper  
43 100  
74 20.1 16.6 25.0



#16  
Methylene chloride  
Concen: 20.286 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

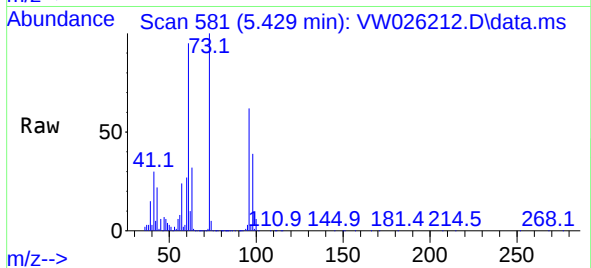
Tgt Ion: 84 Resp: 200001  
Ion Ratio Lower Upper  
84 100  
86 61.8 44.2 82.0  
49 140.4 98.8 183.6





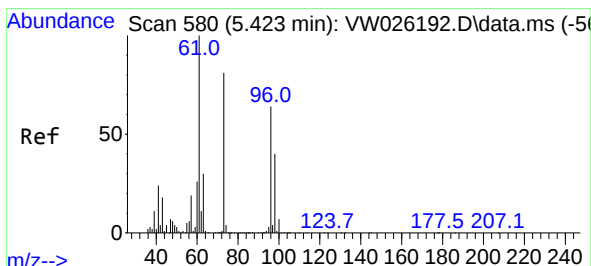
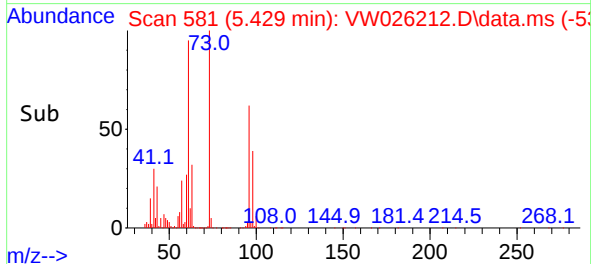
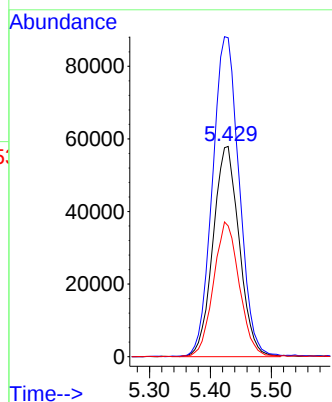
#17  
trans-1,2-Dichloroethene  
Concen: 19.616 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 96 Resp: 173098

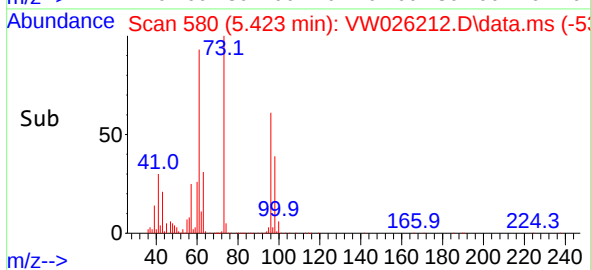
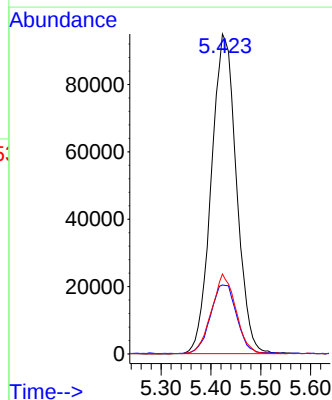
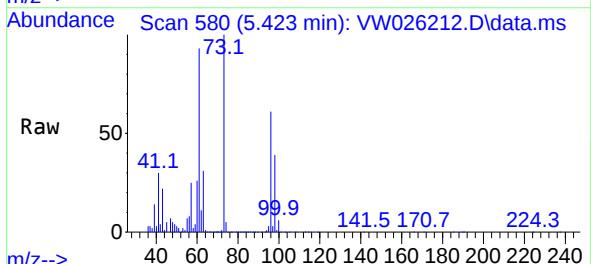
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 151.6 | 113.0 | 209.8 |
| 98  | 62.1  | 42.5  | 78.9  |

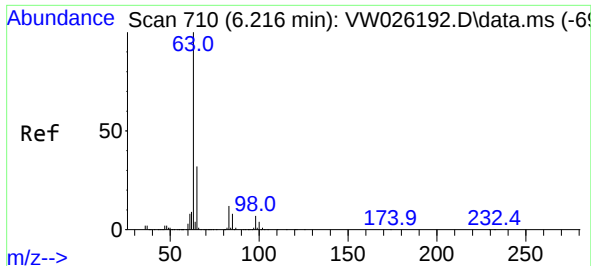


#18  
Methyl tert-butyl Ether  
Concen: 23.814 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion: 73 Resp: 331200

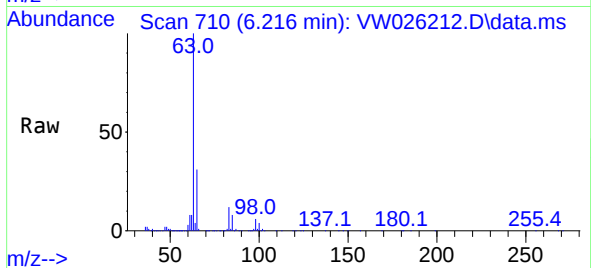
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 13.7  | 17.8  | 26.6  |
| 57  | 24.0  | 18.9  | 28.3  |



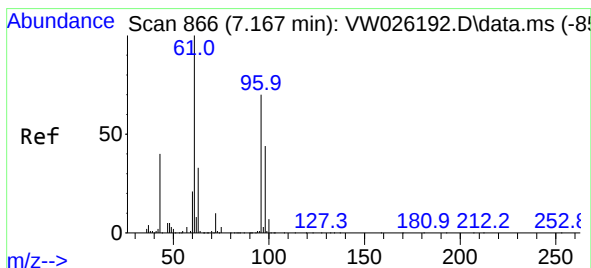
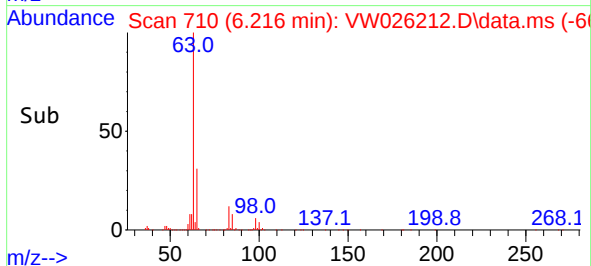
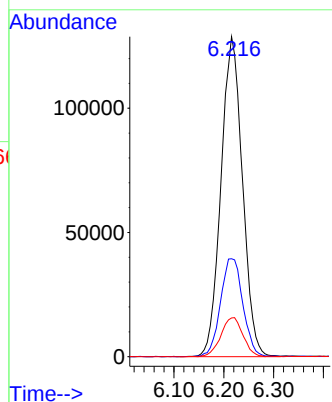


#19  
1,1-Dichloroethane  
Concen: 21.431 ug/L  
RT: 6.216 min Scan# 710  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Instrument :  
MSVOA\_W  
ClientSampleId :

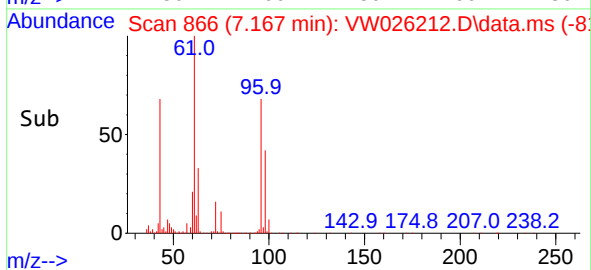
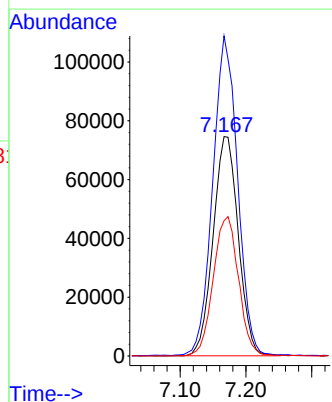
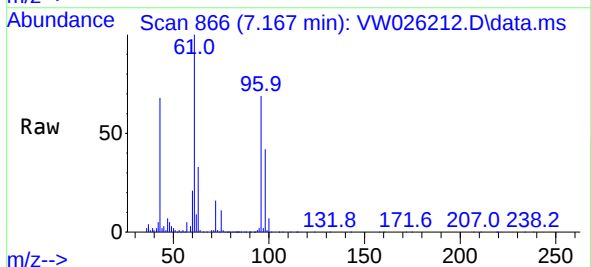


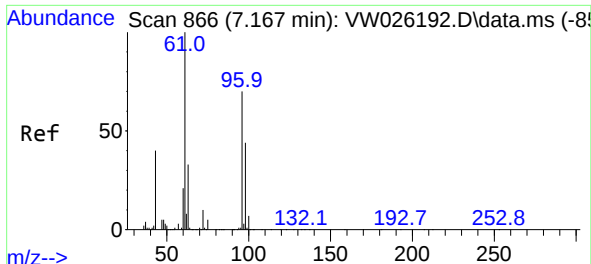
Tgt Ion: 63 Resp: 384996  
Ion Ratio Lower Upper  
63 100  
65 30.6 22.3 41.5  
83 12.1 9.1 16.9



#20  
cis-1,2-Dichloroethene  
Concen: 21.274 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion: 96 Resp: 198851  
Ion Ratio Lower Upper  
96 100  
61 145.9 98.4 182.8  
98 61.6 45.2 84.0

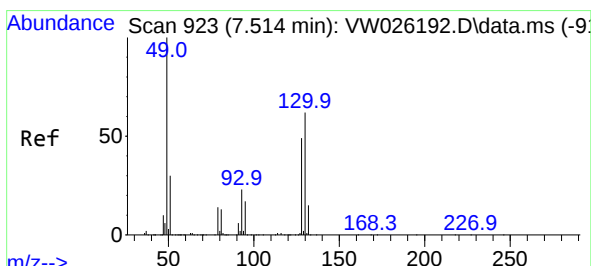
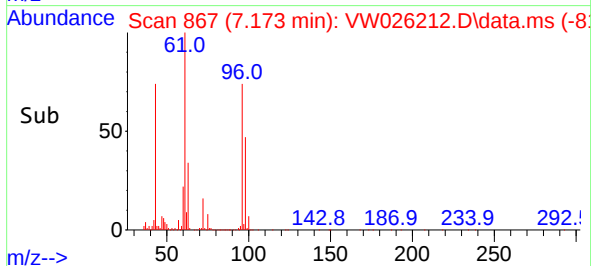
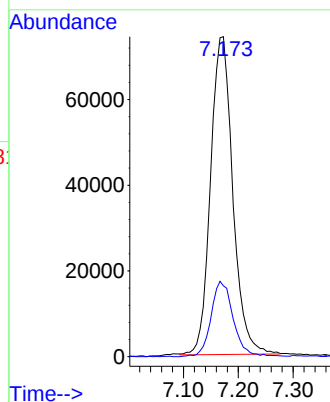
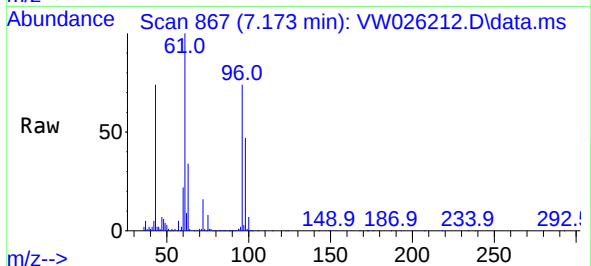




#22  
2-Butanone  
Concen: 74.843 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

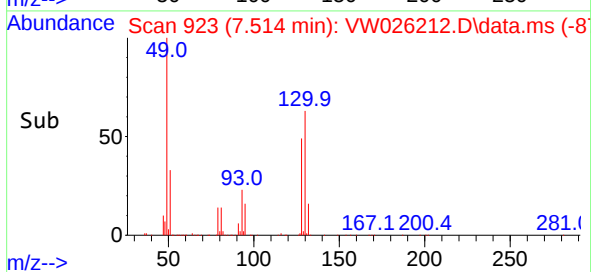
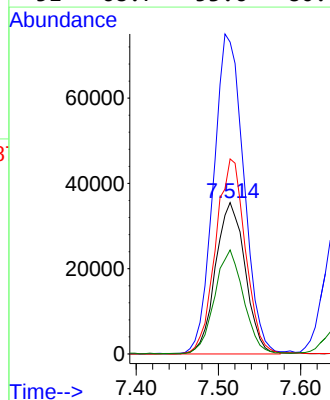
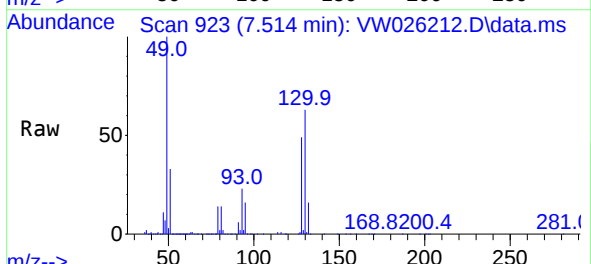
Instrument :  
MSVOA\_W  
ClientSampleId :

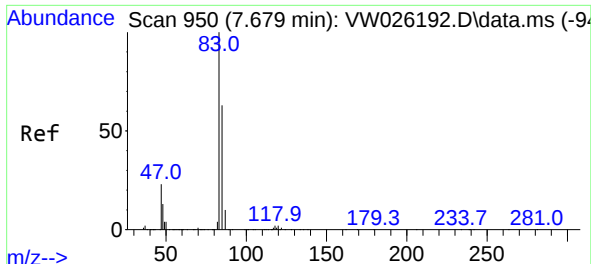
Tgt Ion: 43 Resp: 209000  
Ion Ratio Lower Upper  
43 100  
72 23.5 12.4 37.4



#23  
Bromochloromethane  
Concen: 22.321 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion:128 Resp: 88976  
Ion Ratio Lower Upper  
128 100  
49 206.2 140.6 261.0  
130 128.9 86.0 159.6  
51 68.7 53.6 80.4

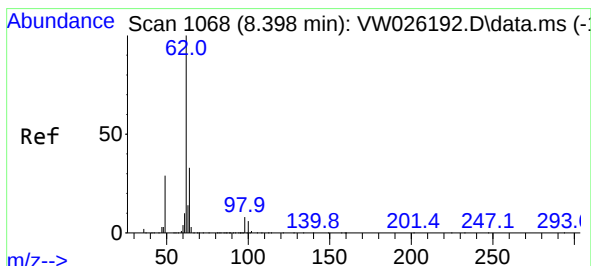
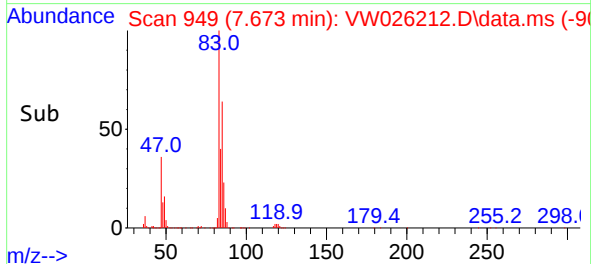
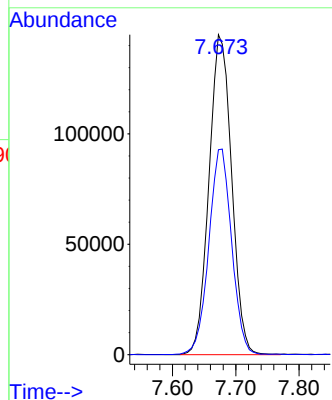
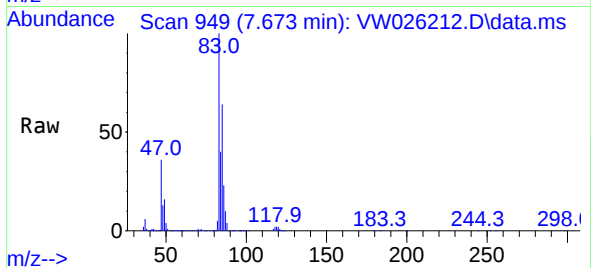




#25  
Chloroform  
Concen: 21.526 ug/L  
RT: 7.673 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

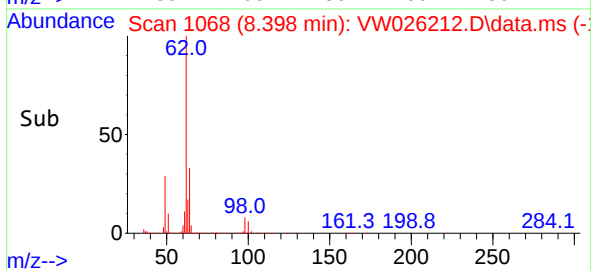
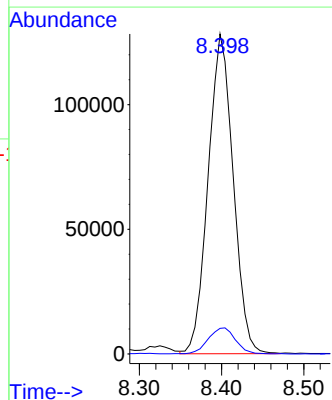
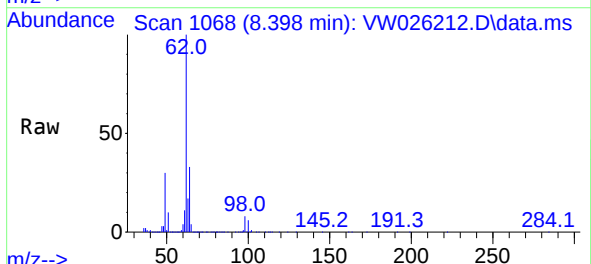
Instrument :  
MSVOA\_W  
ClientSampleId :

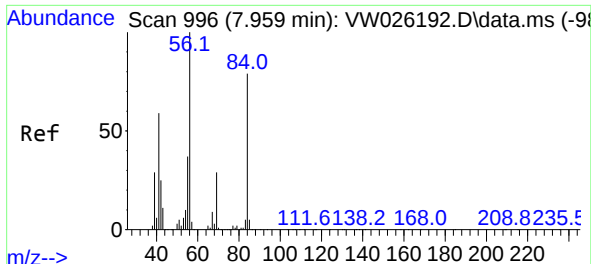
Tgt Ion: 83 Resp: 360176  
Ion Ratio Lower Upper  
83 100  
85 64.0 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 23.525 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

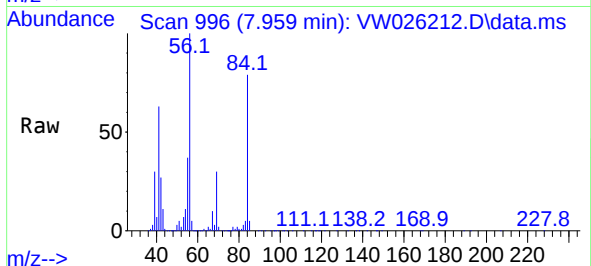
Tgt Ion: 62 Resp: 271480  
Ion Ratio Lower Upper  
62 100  
98 8.0 7.4 11.2



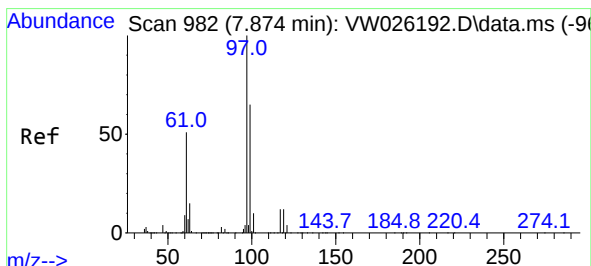
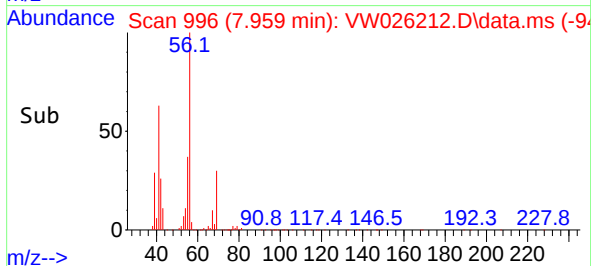
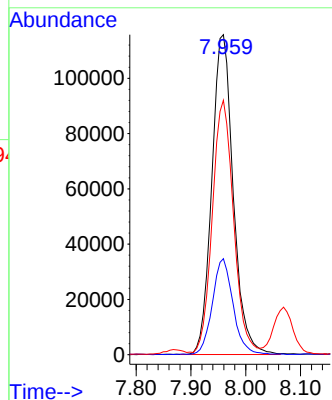


#29  
Cyclohexane  
Concen: 18.872 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Instrument :  
MSVOA\_W  
ClientSampleId :

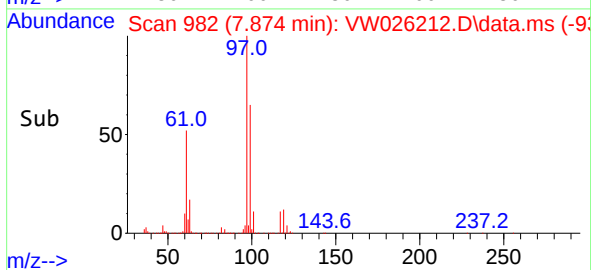
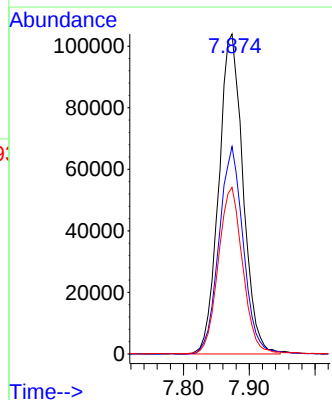
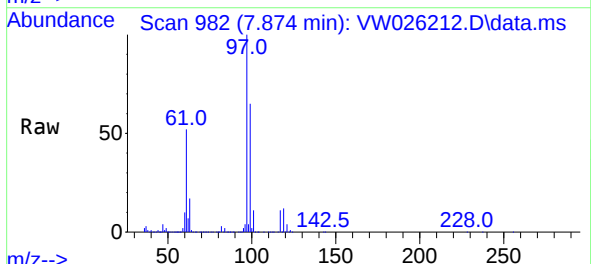


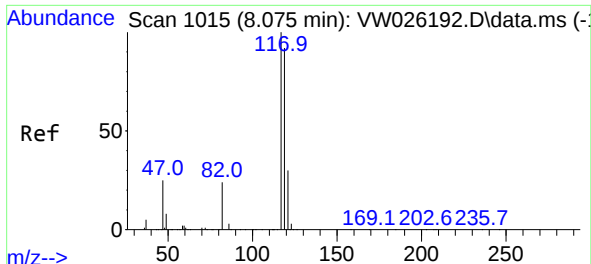
Tgt Ion: 56 Resp: 313943  
Ion Ratio Lower Upper  
56 100  
69 28.8 23.3 34.9  
84 79.1 63.0 94.6



#30  
1,1,1-Trichloroethane  
Concen: 20.366 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion: 97 Resp: 266314  
Ion Ratio Lower Upper  
97 100  
99 65.0 50.6 76.0  
61 52.5 40.5 60.7

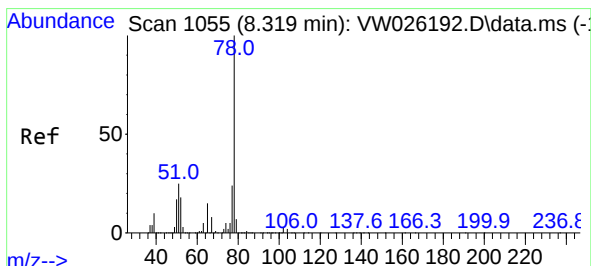
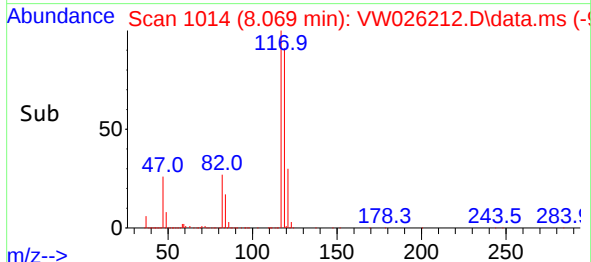
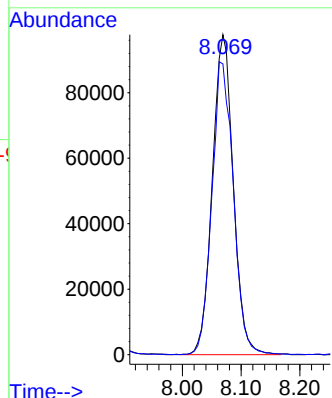
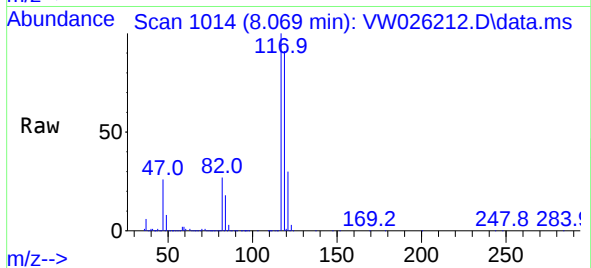




#31  
Carbon tetrachloride  
Concen: 20.335 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

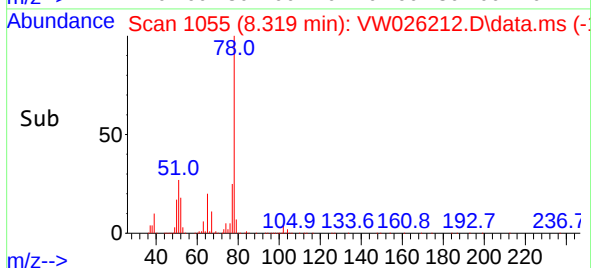
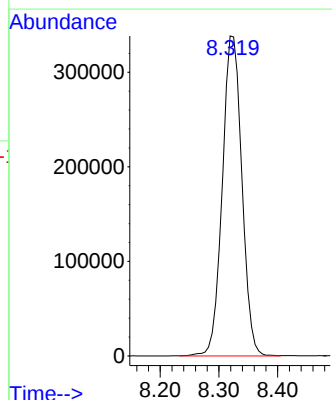
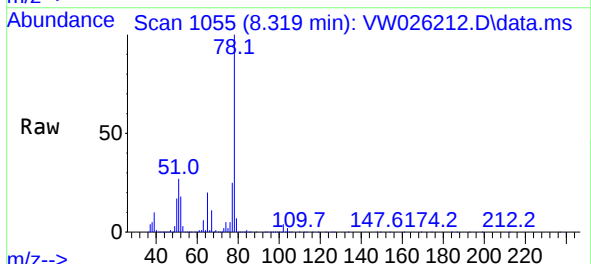
Instrument :  
MSVOA\_W  
ClientSampleId :

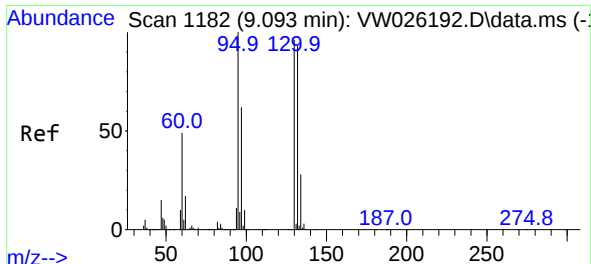
Tgt Ion:117 Resp: 242644  
Ion Ratio Lower Upper  
117 100  
119 93.7 77.4 116.2



#33  
Benzene  
Concen: 21.206 ug/L  
RT: 8.319 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

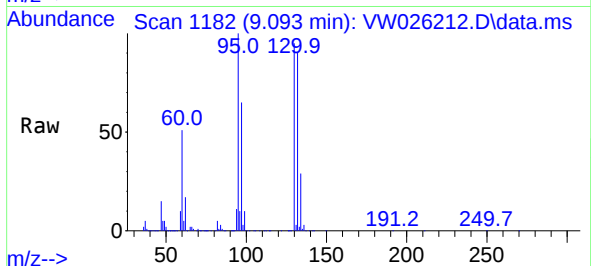
Tgt Ion: 78 Resp: 782758





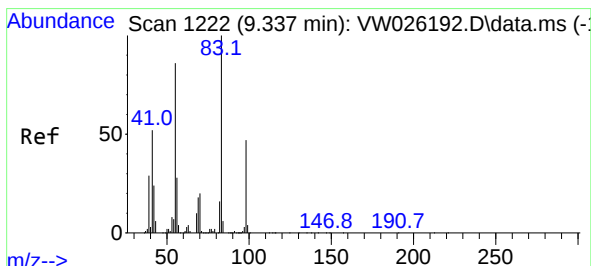
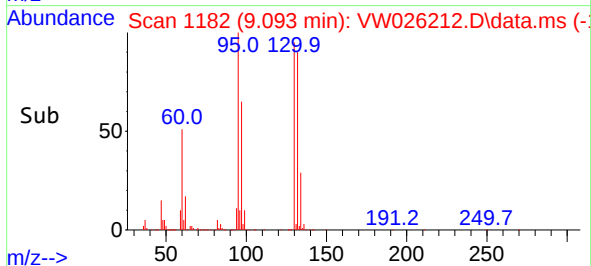
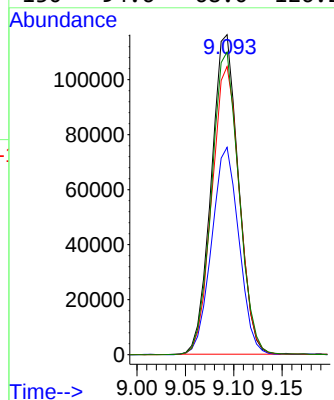
#34  
Trichloroethene  
Concen: 24.093 ug/L  
RT: 9.093 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 95 Resp: 227718

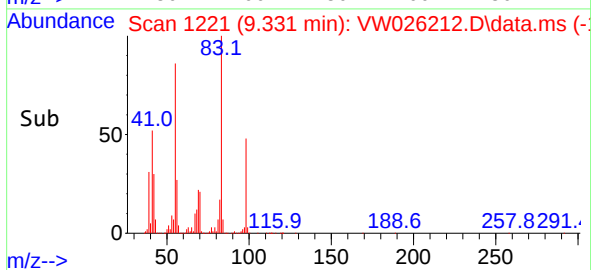
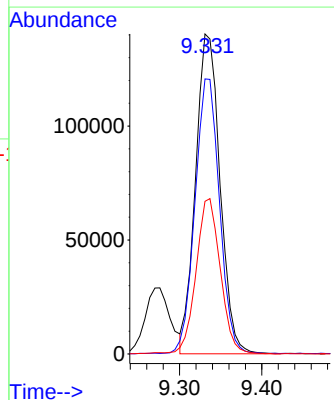
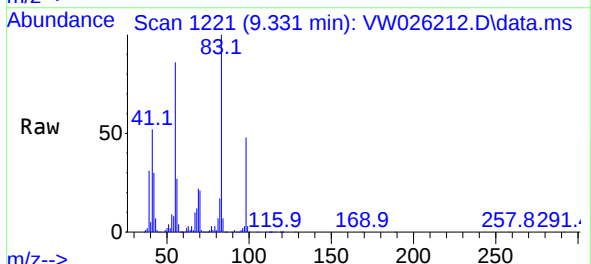
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.8  | 45.9  | 85.3  |
| 132 | 90.1  | 67.1  | 124.7 |
| 130 | 94.6  | 68.0  | 126.2 |

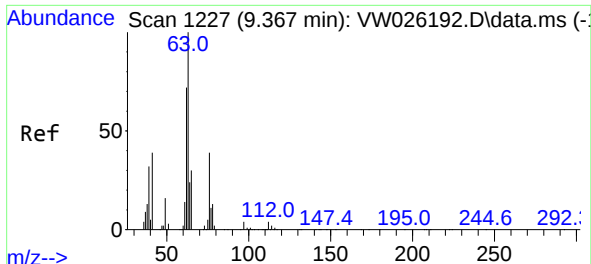


#35  
Methylcyclohexane  
Concen: 17.339 ug/L  
RT: 9.331 min Scan# 1221  
Delta R.T. -0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion: 83 Resp: 289997

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 86.4  | 68.2  | 102.4 |
| 98  | 48.2  | 38.1  | 57.1  |





#37

1,2-Dichloropropane

Concen: 23.270 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW026212.D

Acq: 15 Jun 2023 18:41

Instrument :

MSVOA\_W

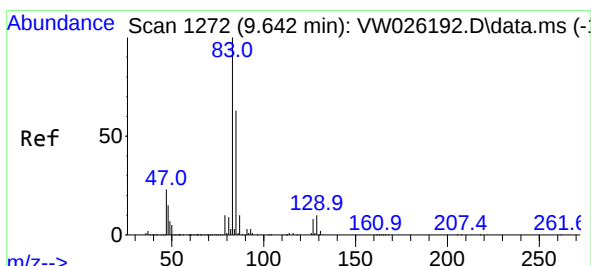
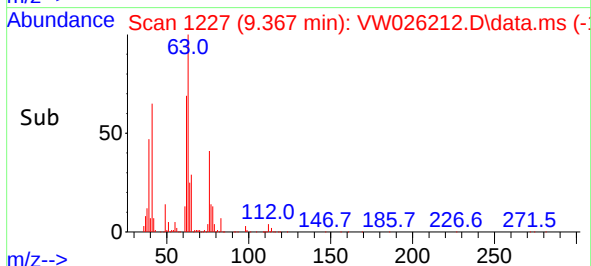
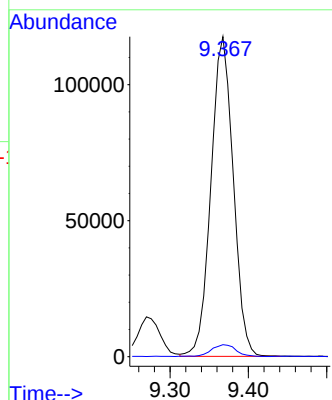
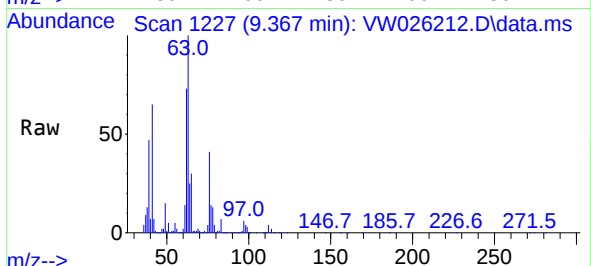
ClientSampleId :

Tgt Ion: 63 Resp: 232651

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 22.179 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026212.D

Acq: 15 Jun 2023 18:41

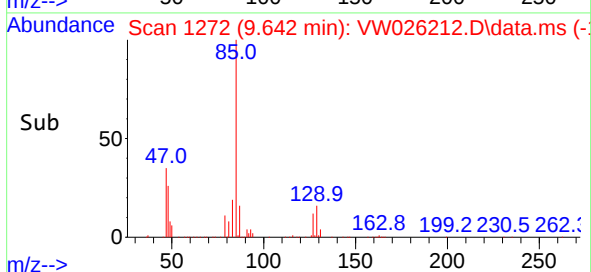
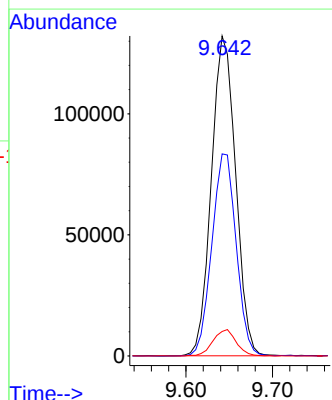
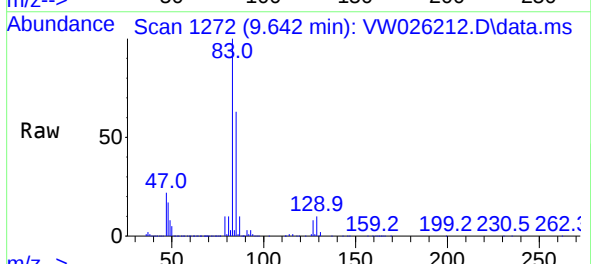
Tgt Ion: 83 Resp: 257617

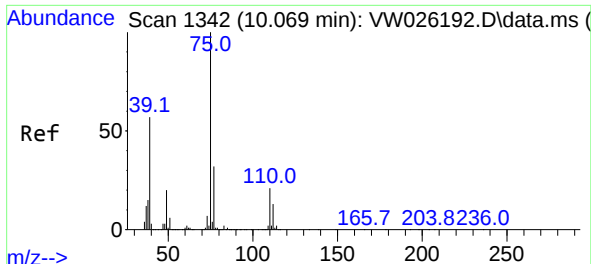
Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.0

127 7.7 6.2 9.2

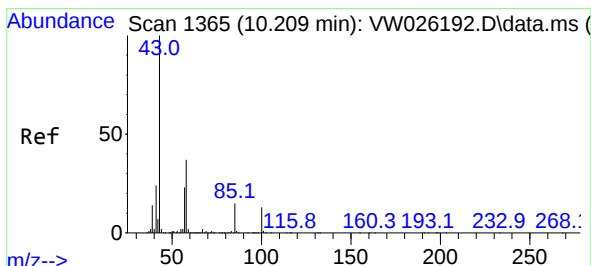
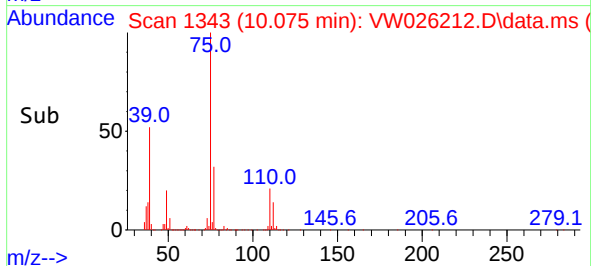
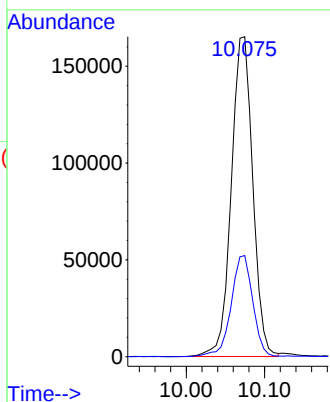
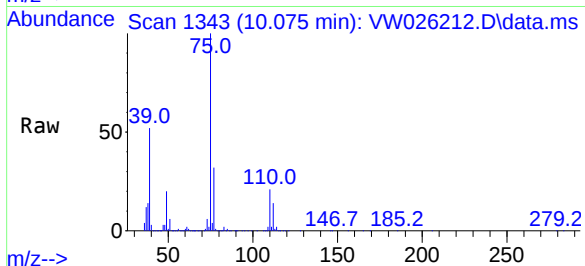




#39  
cis-1,3-Dichloropropene  
Concen: 21.382 ug/L  
RT: 10.075 min Scan# 1342  
Delta R.T. 0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

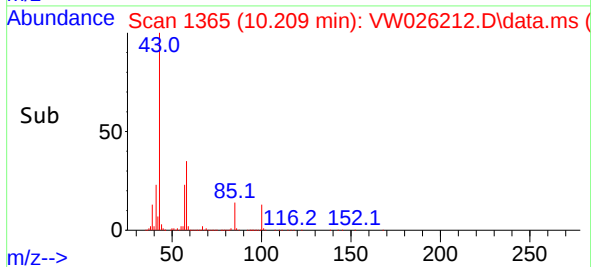
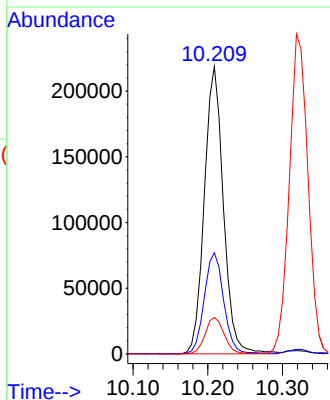
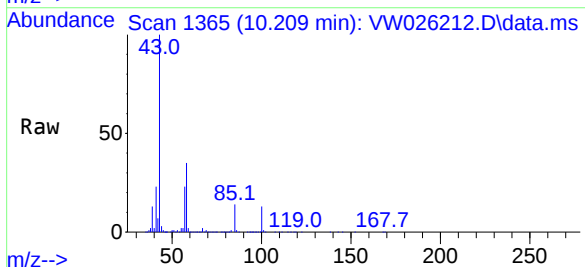
Instrument :  
MSVOA\_W  
ClientSampleId :

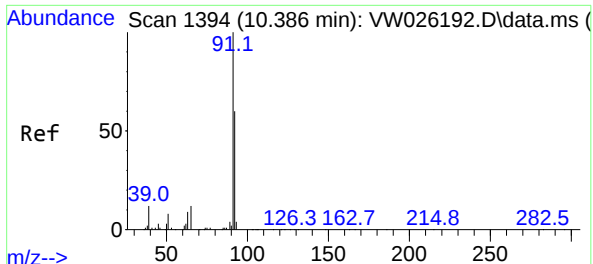
Tgt Ion: 75 Resp: 314150  
Ion Ratio Lower Upper  
75 100  
77 31.6 22.0 40.8



#40  
4-Methyl-2-pentanone  
Concen: 65.624 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion: 43 Resp: 386813  
Ion Ratio Lower Upper  
43 100  
58 36.0 29.0 43.4  
100 12.8 10.5 15.7

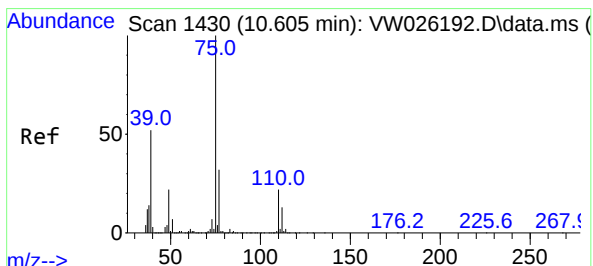
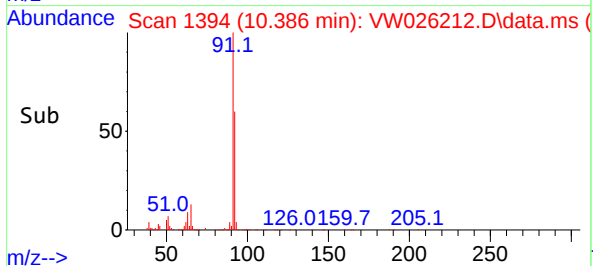
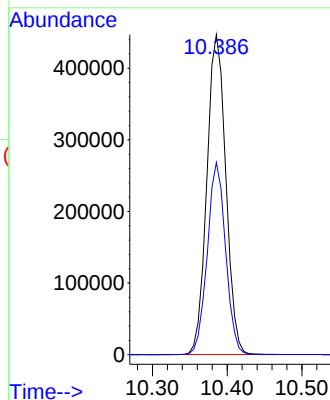
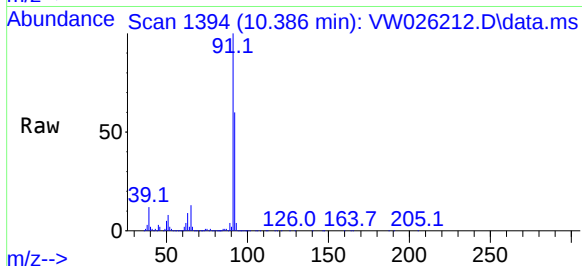




#42  
Toluene  
Concen: 20.858 ug/L  
RT: 10.386 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

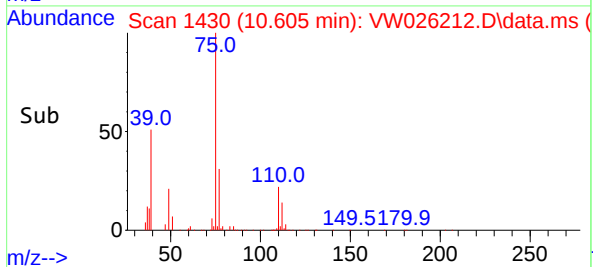
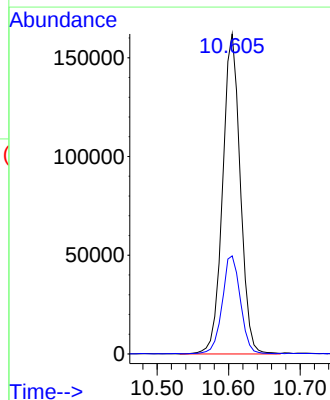
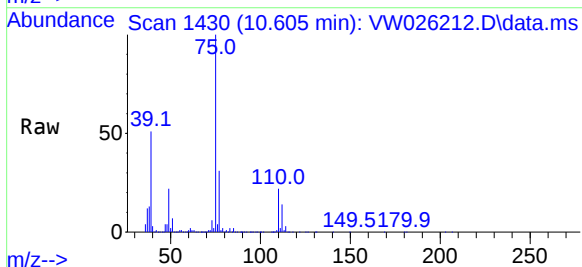
Instrument :  
MSVOA\_W  
ClientSampleId :

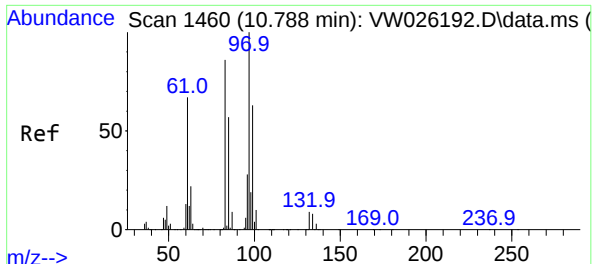
Tgt Ion: 91 Resp: 787486  
Ion Ratio Lower Upper  
91 100  
92 60.0 42.2 78.4



#44  
trans-1,3-Dichloropropene  
Concen: 22.664 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion: 75 Resp: 277413  
Ion Ratio Lower Upper  
75 100  
77 30.6 21.1 39.3



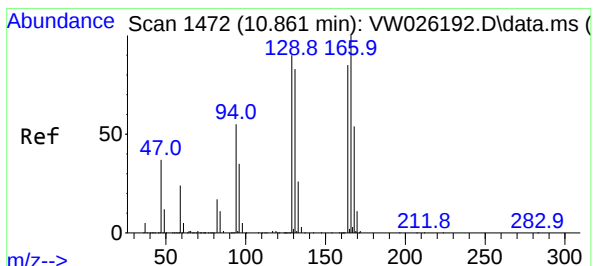
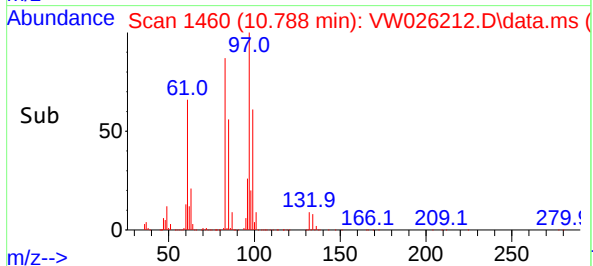
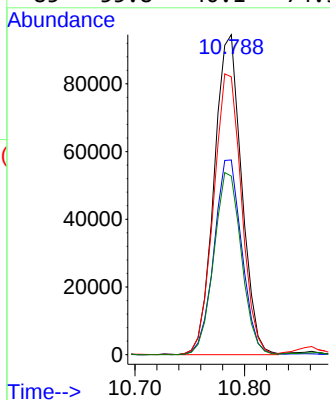
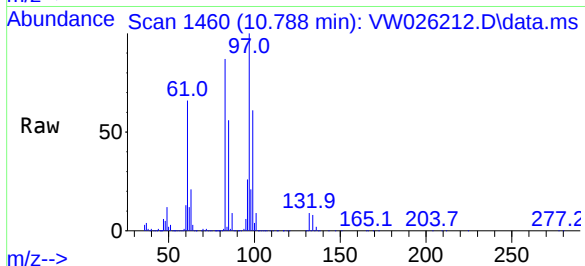


#45  
1,1,2-Trichloroethane  
Concen: 24.993 ug/L  
RT: 10.788 min Scan# 1460  
Delta R.T. 0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 97 Resp: 164683

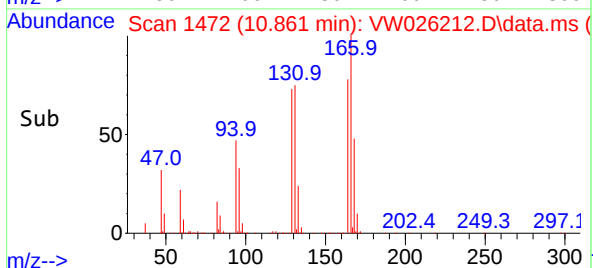
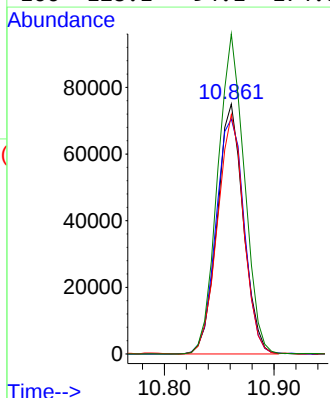
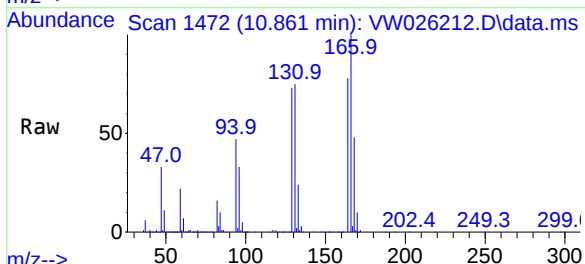
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 60.8  | 43.3  | 80.5  |
| 83  | 86.9  | 62.9  | 116.9 |
| 85  | 55.8  | 40.1  | 74.5  |

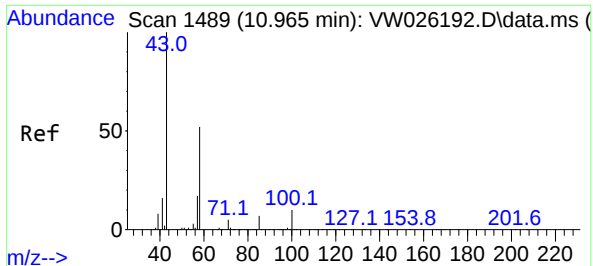


#46  
Tetrachloroethene  
Concen: 18.599 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion: 164 Resp: 124345

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 94.1  | 68.5  | 127.1 |
| 131 | 95.8  | 67.1  | 124.7 |
| 166 | 128.1 | 94.1  | 174.8 |



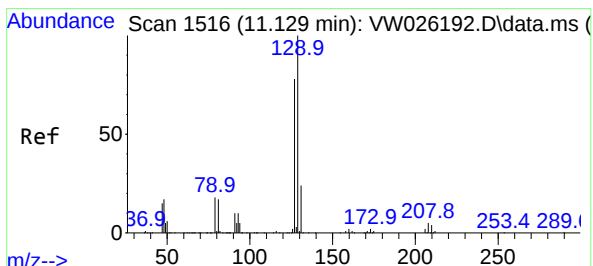
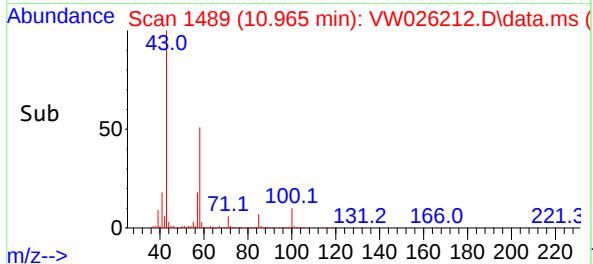
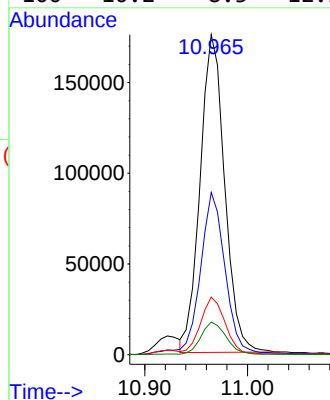
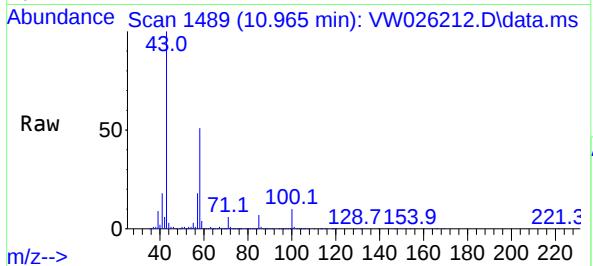


#48  
2-Hexanone  
Concen: 70.073 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 291229

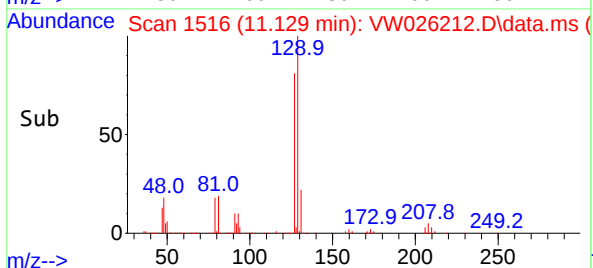
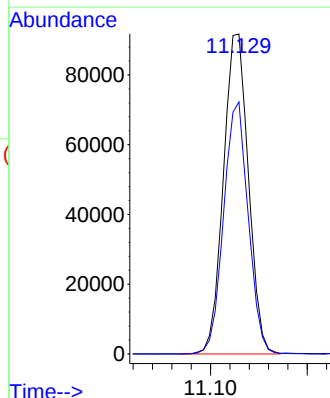
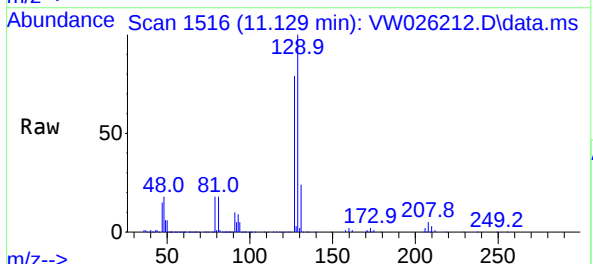
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 51.4  | 42.2  | 63.2  |
| 57  | 18.4  | 14.2  | 21.2  |
| 100 | 10.2  | 8.3   | 12.5  |

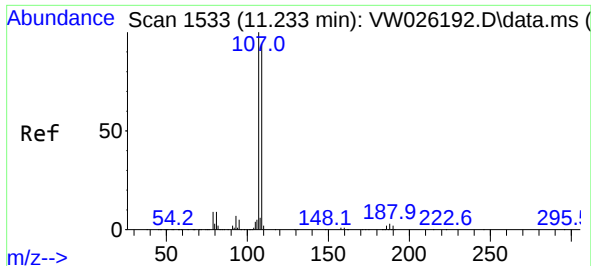


#49  
Dibromochloromethane  
Concen: 23.899 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion: 129 Resp: 165105

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.7  | 56.9  | 105.7 |

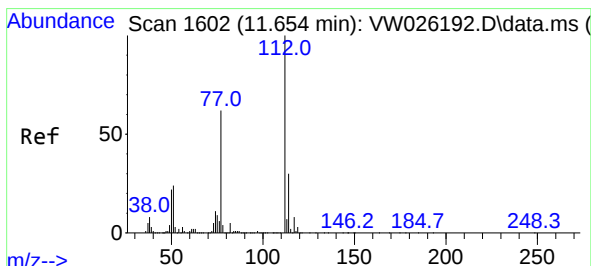
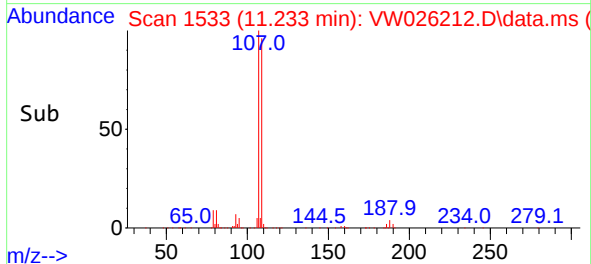
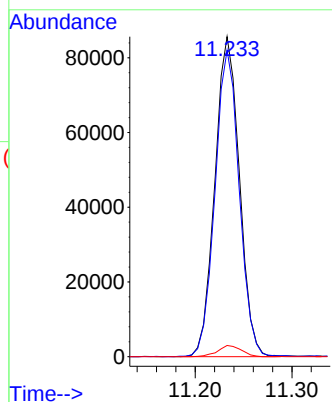
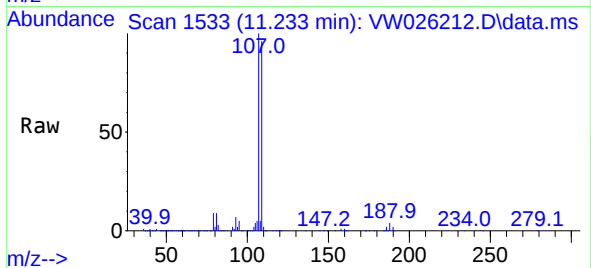




#50  
1,2-Dibromoethane  
Concen: 24.676 ug/L  
RT: 11.233 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

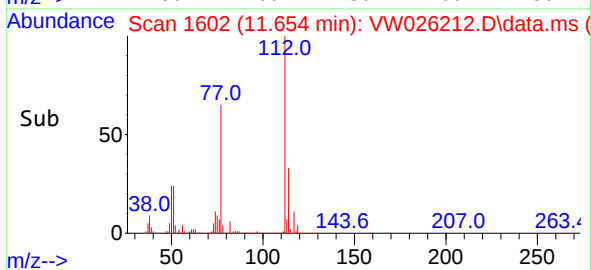
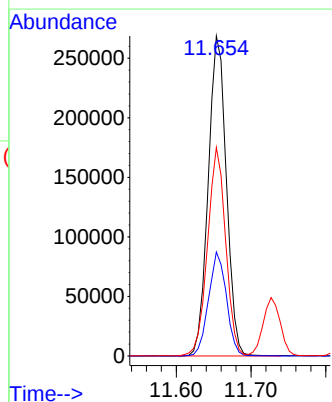
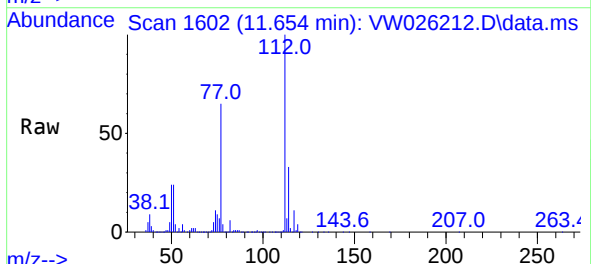
Instrument :  
MSVOA\_W  
ClientSampleId :

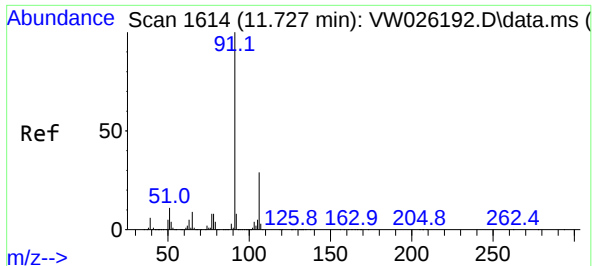
Tgt Ion:107 Resp: 150552  
Ion Ratio Lower Upper  
107 100  
109 95.8 64.0 119.0  
188 3.5 2.6 3.8



#51  
Chlorobenzene  
Concen: 19.150 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. -0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion:112 Resp: 453064  
Ion Ratio Lower Upper  
112 100  
114 32.5 23.0 42.6  
77 65.1 50.9 76.3





#52

Ethylbenzene

Concen: 19.857 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026212.D

Acq: 15 Jun 2023 18:41

Instrument :

MSVOA\_W

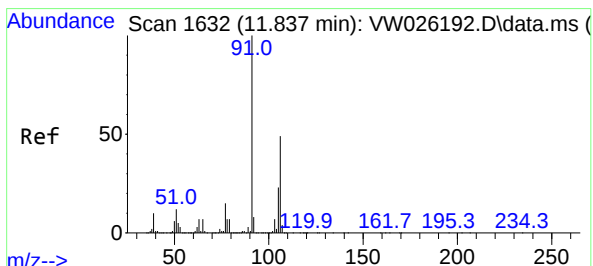
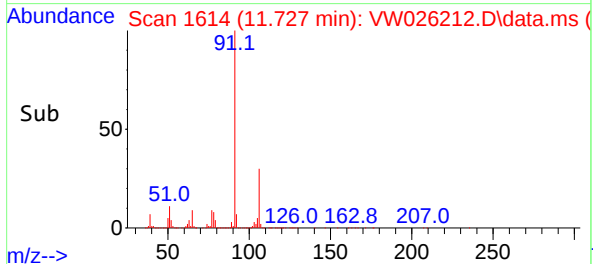
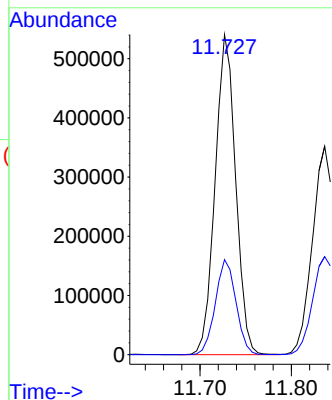
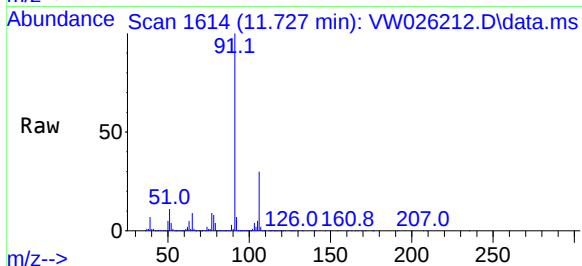
ClientSampleId :

Tgt Ion: 91 Resp: 845709

Ion Ratio Lower Upper

91 100

106 29.7 21.2 39.4



#53

m,p-Xylene

Concen: 19.473 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW026212.D

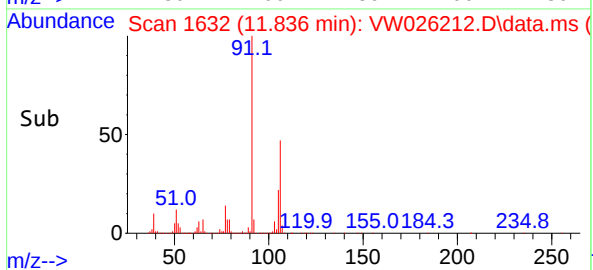
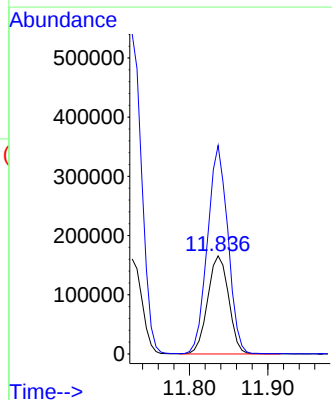
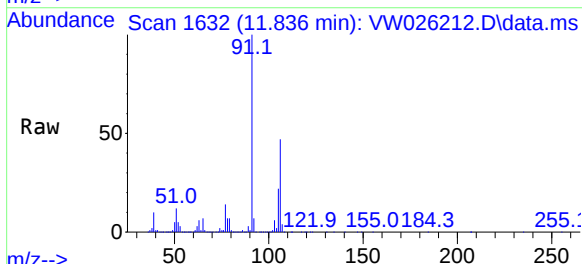
Acq: 15 Jun 2023 18:41

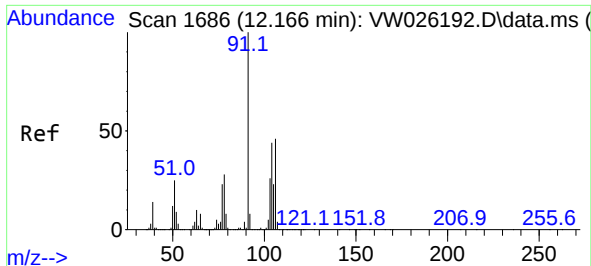
Tgt Ion:106 Resp: 308522

Ion Ratio Lower Upper

106 100

91 212.8 149.5 277.7

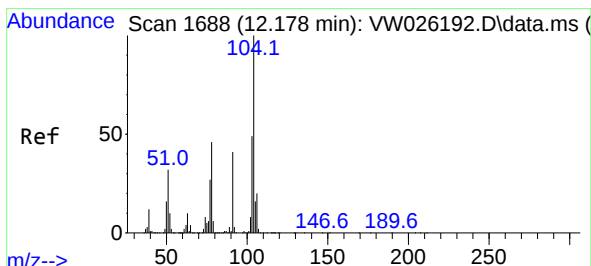
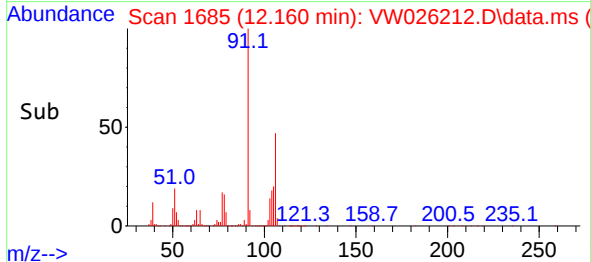
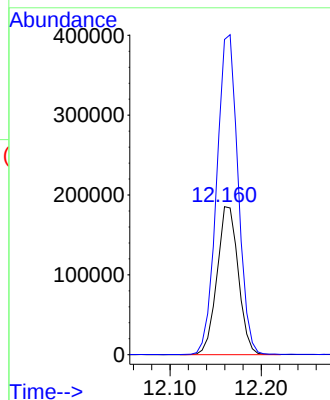
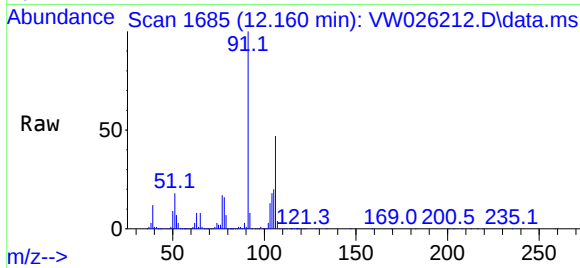




#54  
o-Xylene  
Concen: 20.070 ug/L  
RT: 12.160 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

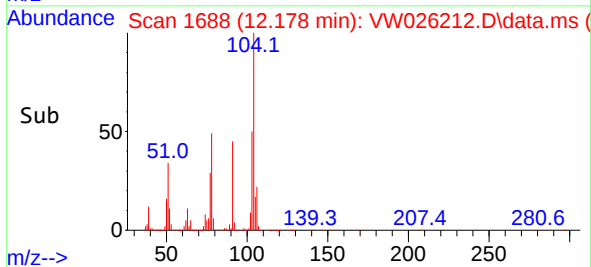
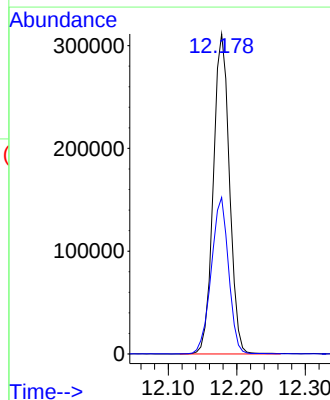
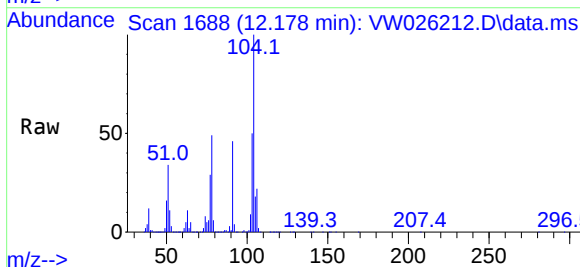
Instrument :  
MSVOA\_W  
ClientSampleId :

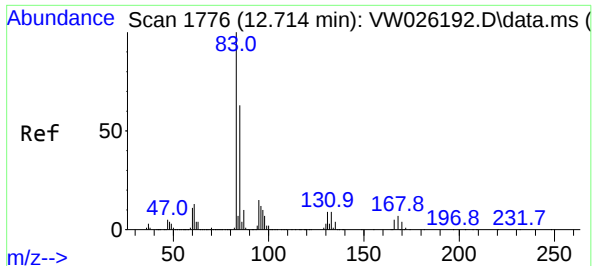
Tgt Ion:106 Resp: 300133  
Ion Ratio Lower Upper  
106 100  
91 213.0 150.9 280.3



#55  
Styrene  
Concen: 19.821 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion:104 Resp: 508514  
Ion Ratio Lower Upper  
104 100  
78 48.9 32.6 60.6

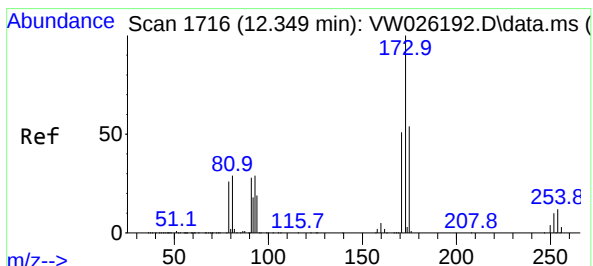
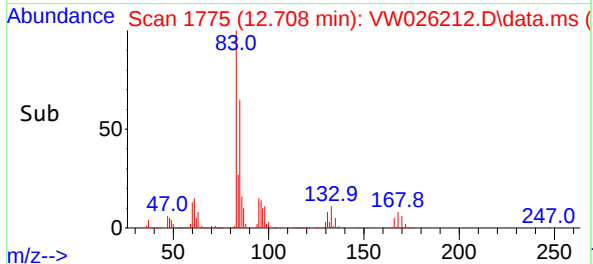
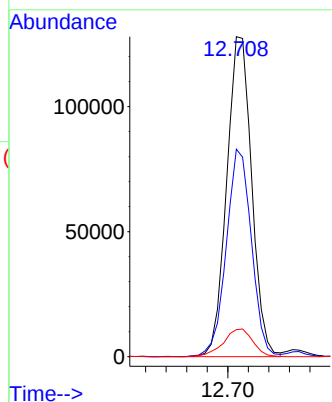
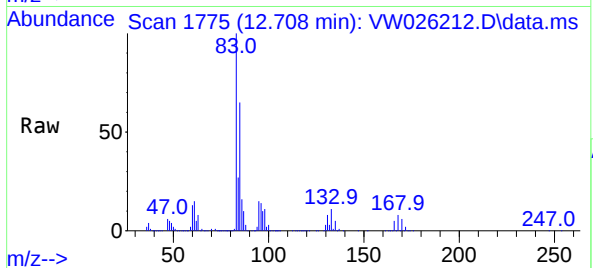




#57  
1,1,2,2-Tetrachloroethane  
Concen: 27.163 ug/L  
RT: 12.708 min Scan# 1775  
Delta R.T. -0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

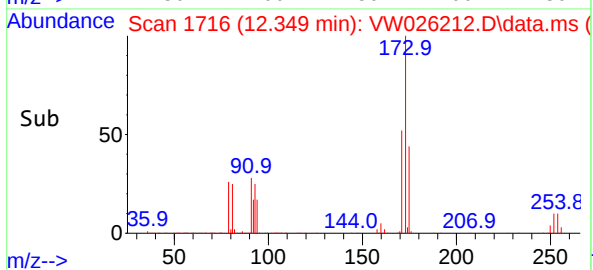
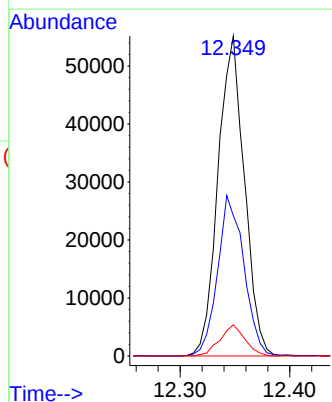
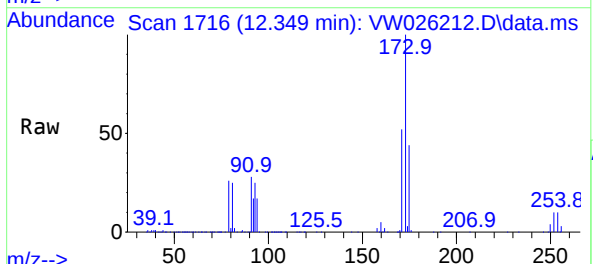
Instrument :  
MSVOA\_W  
ClientSampleId :

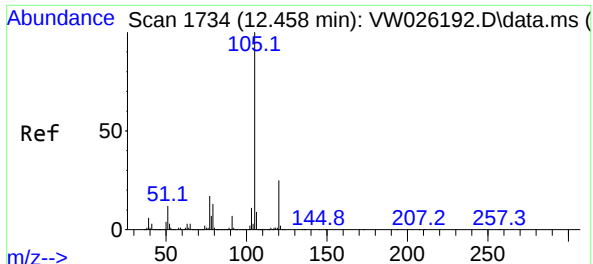
Tgt Ion: 83 Resp: 216602  
Ion Ratio Lower Upper  
83 100  
85 64.8 42.6 79.0  
131 8.4 7.2 10.8



#59  
Bromoform  
Concen: 27.920 ug/L  
RT: 12.349 min Scan# 1716  
Delta R.T. 0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

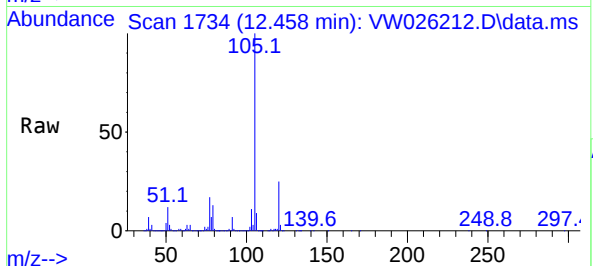
Tgt Ion:173 Resp: 92258  
Ion Ratio Lower Upper  
173 100  
175 50.1 38.6 57.8  
254 9.2 7.4 11.0



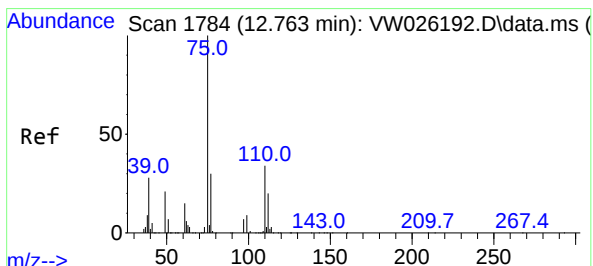
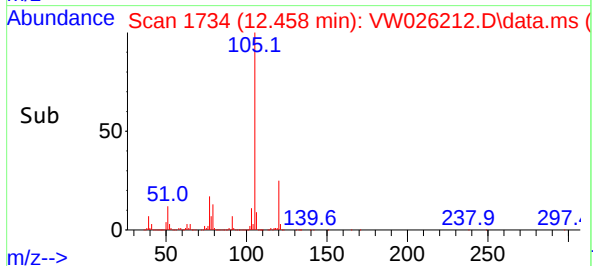
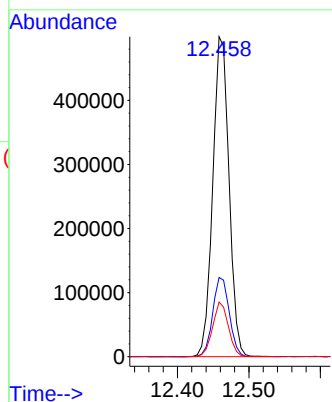


#60  
Isopropylbenzene  
Concen: 22.774 ug/L  
RT: 12.458 min Scan# 1734  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Instrument :  
MSVOA\_W  
ClientSampleId :

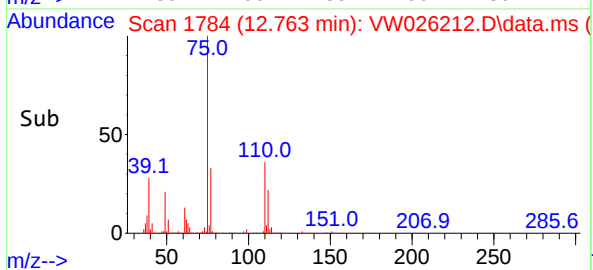
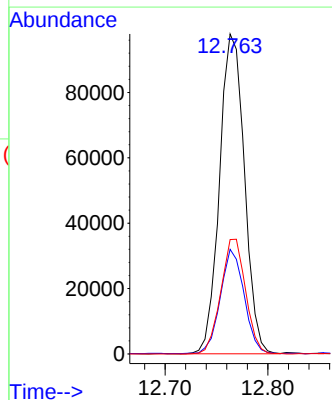
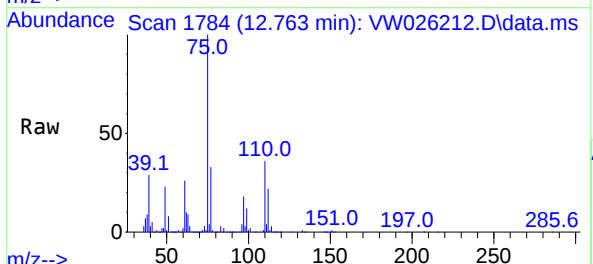


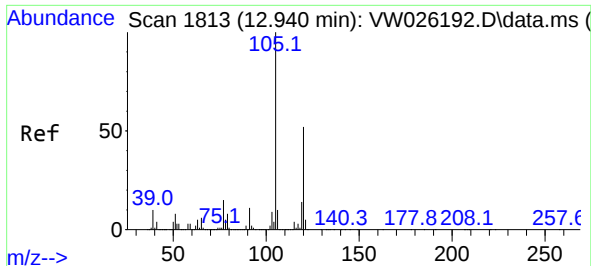
Tgt Ion:105 Resp: 787075  
Ion Ratio Lower Upper  
105 100  
120 25.2 19.8 29.8  
77 16.5 13.3 19.9



#61  
1,2,3-Trichloropropane  
Concen: 33.388 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion: 75 Resp: 164532  
Ion Ratio Lower Upper  
75 100  
77 31.2 25.2 37.8  
110 35.8 28.7 43.1

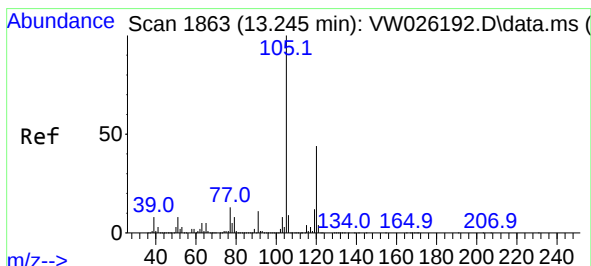
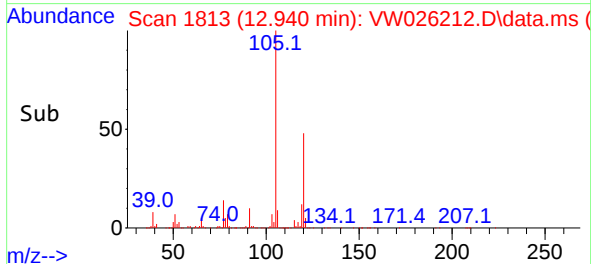
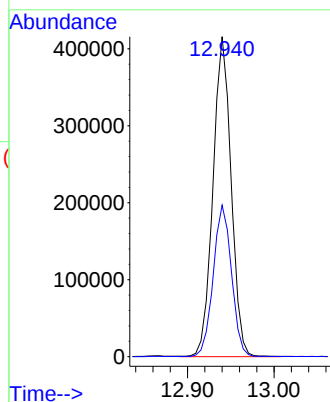
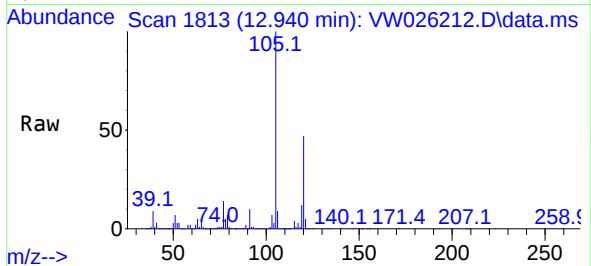




#62  
1,3,5-Trimethylbenzene  
Concen: 22.025 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

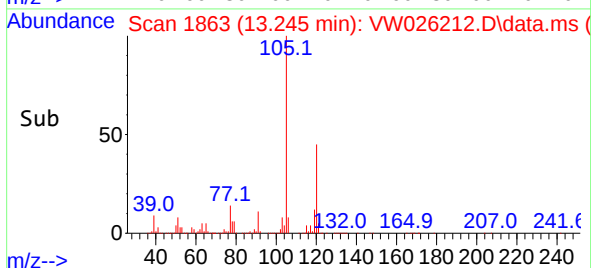
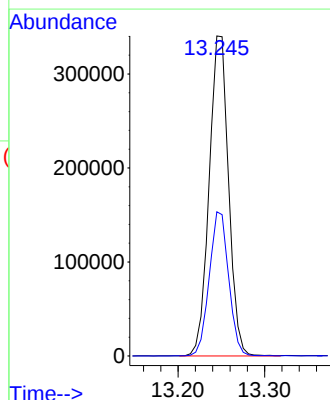
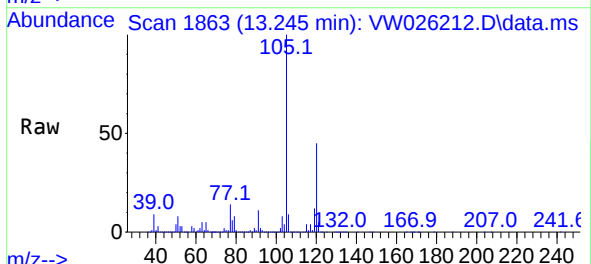
Instrument :  
MSVOA\_W  
ClientSampleId :

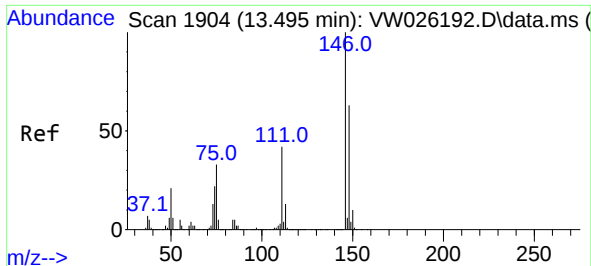
Tgt Ion:105 Resp: 605120  
Ion Ratio Lower Upper  
105 100  
120 47.6 38.8 58.2



#63  
1,2,4-Trimethylbenzene  
Concen: 21.076 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion:105 Resp: 530351  
Ion Ratio Lower Upper  
105 100  
120 44.9 36.2 54.2

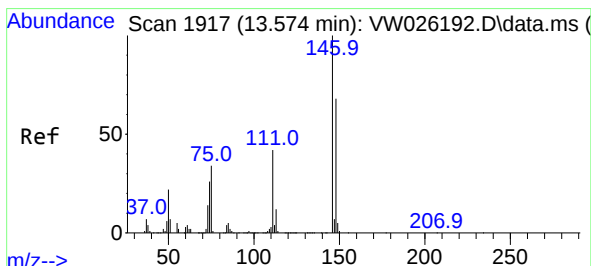
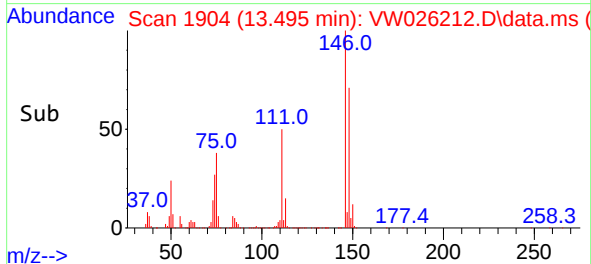
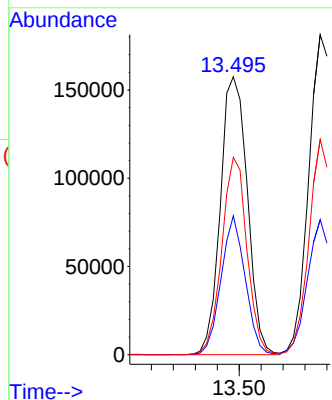
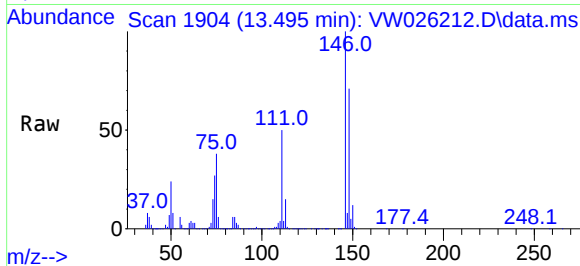




#64  
1,3-Dichlorobenzene  
Concen: 18.547 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

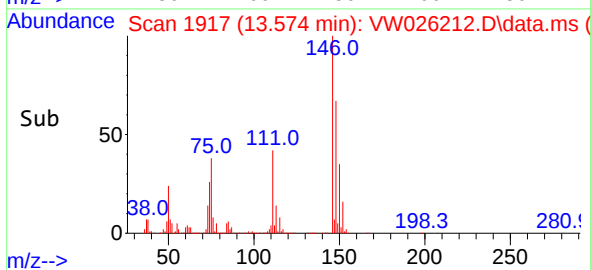
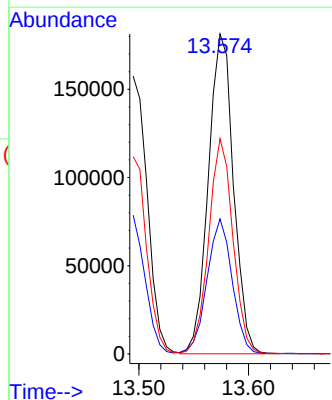
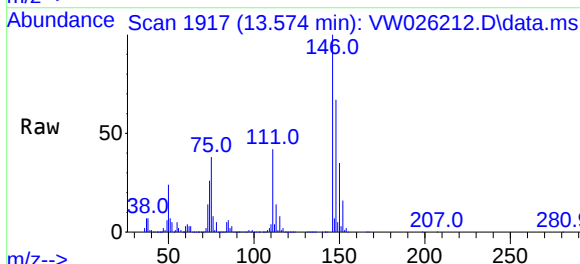
Instrument :  
MSVOA\_W  
ClientSampleId :

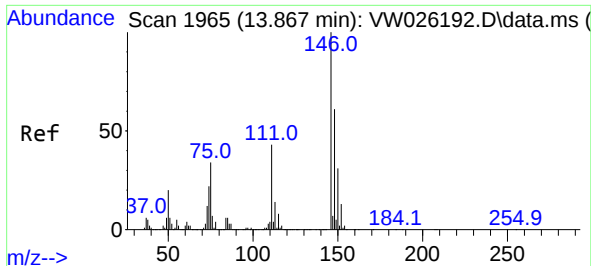
Tgt Ion:146 Resp: 269507  
Ion Ratio Lower Upper  
146 100  
111 50.0 29.7 55.1  
148 71.0 45.4 84.4



#65  
1,4-Dichlorobenzene  
Concen: 19.784 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion:146 Resp: 289437  
Ion Ratio Lower Upper  
146 100  
111 42.2 29.2 54.2  
148 67.2 42.8 79.6

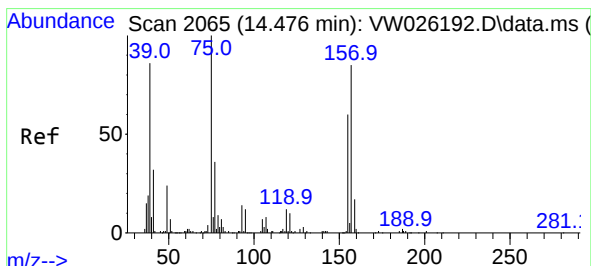
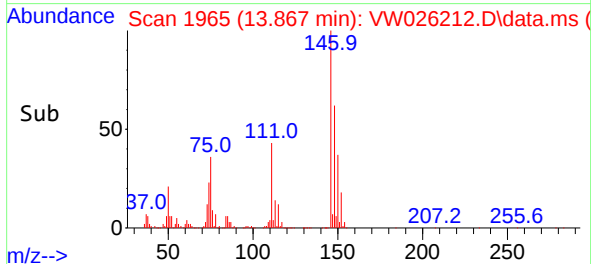
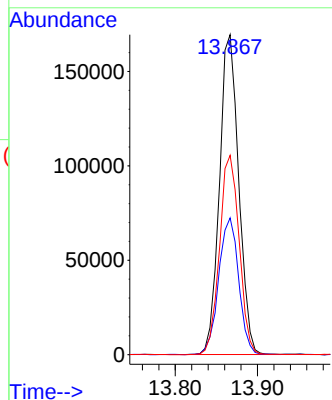
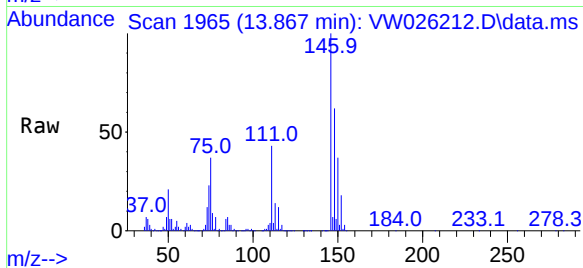




#67  
1,2-Dichlorobenzene  
Concen: 21.119 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

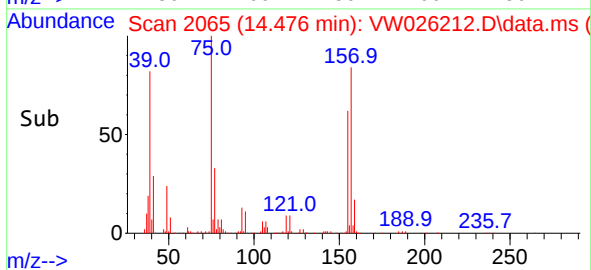
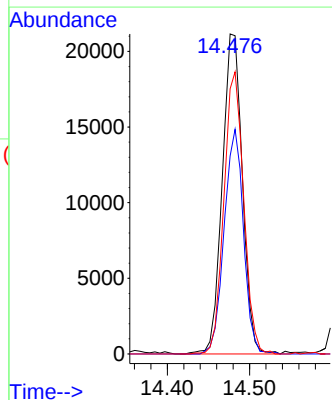
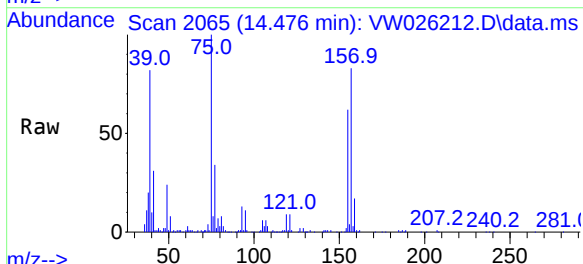
Instrument :  
MSVOA\_W  
ClientSampleId :

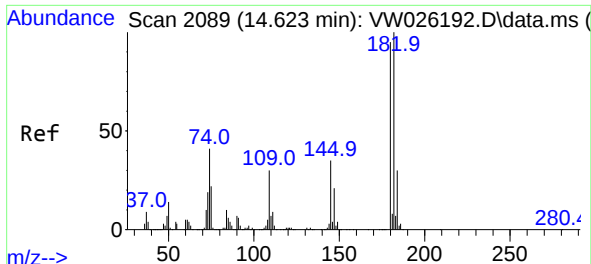
Tgt Ion:146 Resp: 275575  
Ion Ratio Lower Upper  
146 100  
111 42.8 35.4 53.0  
148 62.3 51.7 77.5



#68  
1,2-Dibromo-3-chloropropane  
Concen: 31.515 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion: 75 Resp: 35982  
Ion Ratio Lower Upper  
75 100  
155 61.9 59.0 88.6  
157 82.9 71.7 107.5





#69

1,3,5-Trichlorobenzene

Concen: 13.981 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

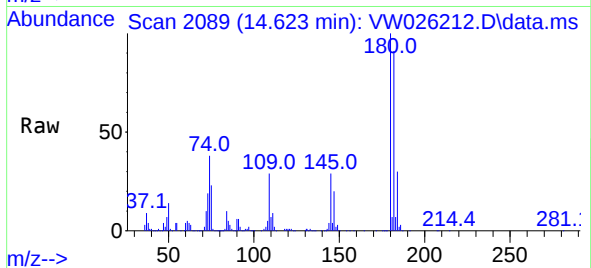
Lab File: VW026212.D

Acq: 15 Jun 2023 18:41

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 139554

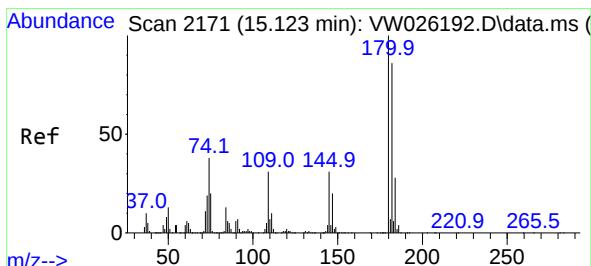
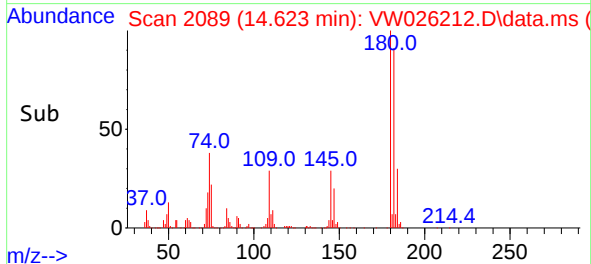
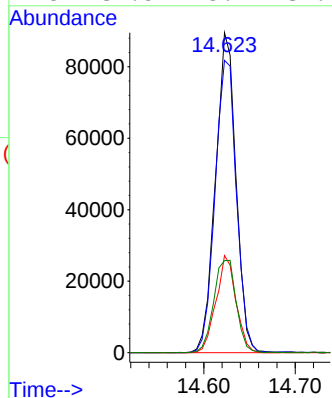
Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.4

184 29.5 23.7 35.5

145 31.8 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 12.725 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026212.D

Acq: 15 Jun 2023 18:41

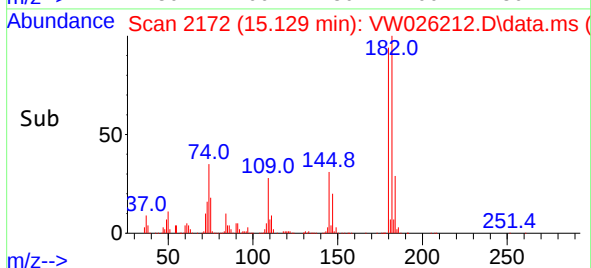
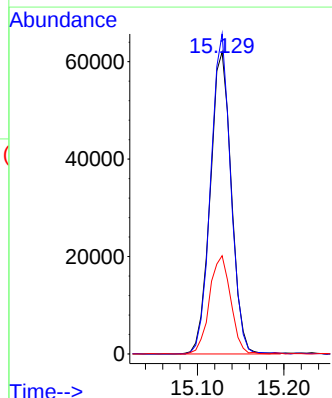
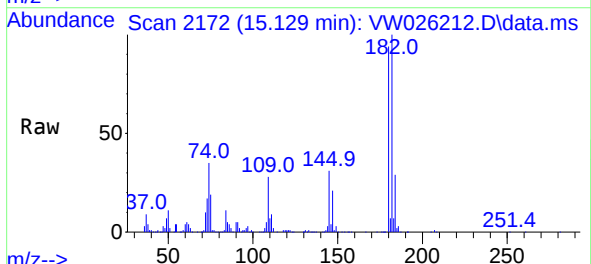
Tgt Ion:180 Resp: 104809

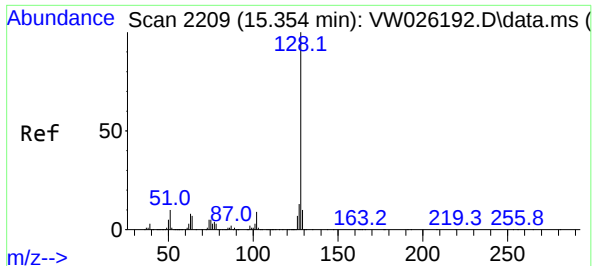
Ion Ratio Lower Upper

180 100

182 100.5 78.9 118.3

145 32.5 27.2 40.8

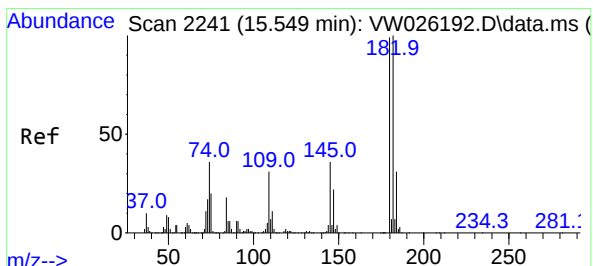
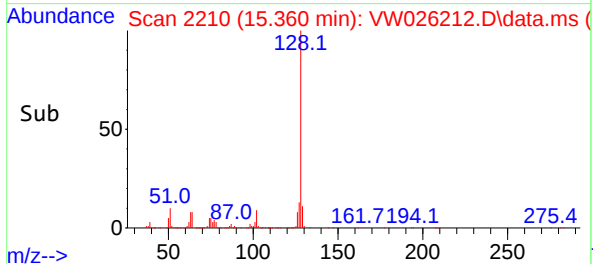
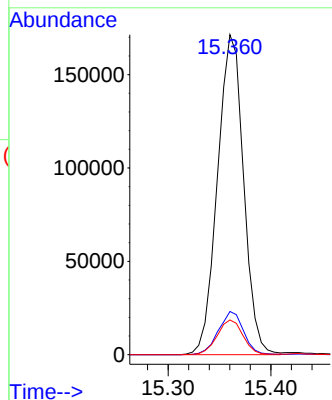
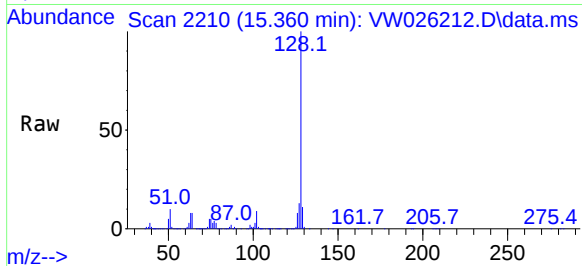




#71  
Naphthalene  
Concen: 20.588 ug/L  
RT: 15.360 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 302228  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.6 15.8  
129 10.8 8.8 13.2



#72  
1,2,3-Trichlorobenzene  
Concen: 14.387 ug/L  
RT: 15.543 min Scan# 2240  
Delta R.T. -0.006 min  
Lab File: VW026212.D  
Acq: 15 Jun 2023 18:41

Tgt Ion:180 Resp: 103562  
Ion Ratio Lower Upper  
180 100  
182 95.6 76.3 114.5  
145 34.0 27.0 40.6

