

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051523\  
 Data File : VW025979.D  
 Acq On : 15 May 2023 13:01  
 Operator : SY/MD  
 Sample : 02769-04MSD  
 Misc : 5.33g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GBW01MSD

Quant Time: May 15 23:36:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon May 15 23:34:38 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 708032   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 647262   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 330253   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 234771   | 23.399   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 93.600%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 193300   | 25.987   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 103.960%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 115267   | 22.943   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 91.760%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 229252   | 69.117   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 138.240%# |
| 24) Chloroform-d              | 7.648  | 84    | 553041   | 27.088   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 108.360%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 321112   | 27.814   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 111.240%  |
| 32) Benzene-d6                | 8.276  | 84    | 1045151  | 24.712   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 98.840%   |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 366088   | 27.054   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 108.200%  |
| 41) Toluene-d8                | 10.325 | 98    | 941443   | 24.963   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 99.840%   |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 149504   | 27.256   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 109.040%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 172782   | 74.880   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 149.760%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 340081   | 32.973   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 131.880%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 323705   | 26.888   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 107.560%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 163181   | 20.629   | ug/L   | 98        |
| 3) Chloromethane              | 2.222  | 50    | 280552   | 24.054   | ug/L   | 99        |
| 5) Vinyl chloride             | 2.375  | 62    | 289807   | 24.006   | ug/L   | 98        |
| 6) Bromomethane               | 2.783  | 94    | 158651   | 24.163   | ug/L   | 99        |
| 8) Chloroethane               | 2.930  | 64    | 171674   | 25.009   | ug/L   | 99        |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 197379   | 21.665   | ug/L   | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 242928   | 24.518   | ug/L   | 99        |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 223960   | 23.651   | ug/L   | 98        |
| 13) Acetone                   | 4.118  | 43    | 218018   | 74.128   | ug/L   | 100       |
| 14) Carbon disulfide          | 4.393  | 76    | 700919   | 21.888   | ug/L   | 99        |
| 15) Methyl Acetate            | 4.667  | 43    | 153506   | 26.486   | ug/L   | 99        |
| 16) Methylene chloride        | 4.917  | 84    | 311634   | 21.342   | ug/L   | 92        |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 244835   | 23.701   | ug/L   | 98        |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 457418   | 29.175   | ug/L   | 99        |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 521282   | 24.561   | ug/L   | 99        |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 275993   | 24.903   | ug/L   | 96        |
| 22) 2-Butanone                | 7.167  | 43    | 226506   | 55.775   | ug/L   | 98        |
| 23) Bromochloromethane        | 7.514  | 128   | 122453   | 26.081   | ug/L   | 98        |
| 25) Chloroform                | 7.679  | 83    | 494757   | 25.363   | ug/L   | 98        |

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 Quant Title : SFAM01.0  
 QLast Update : Mon May 15 23:34:38 2023  
 Response via : Initial Calibration

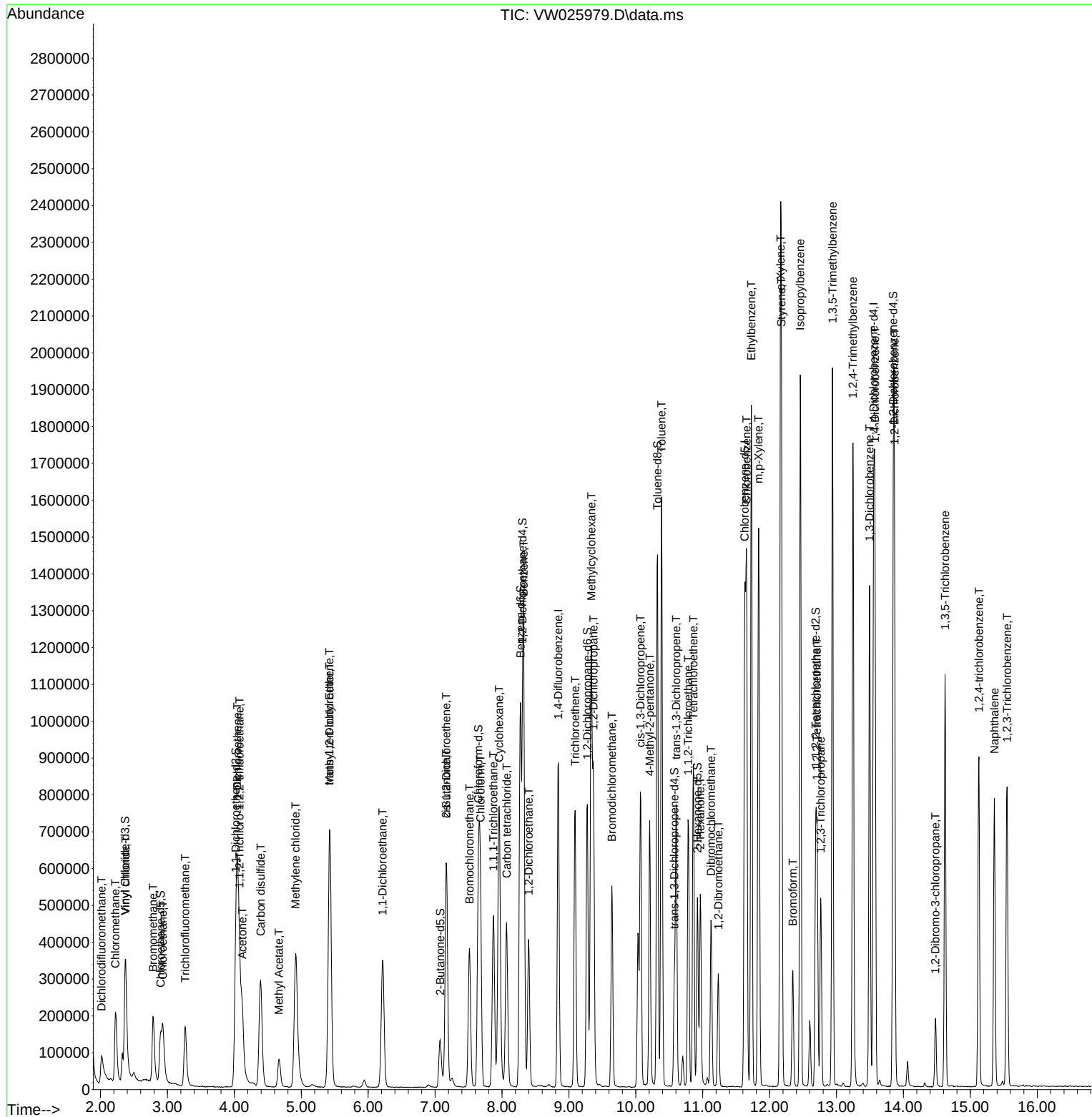
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 356671   | 25.746 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 459472   | 22.907 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 374514   | 23.659 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 330097   | 23.172 | ug/L  | 99       |
| 33) Benzene                   | 8.325  | 78   | 1063726  | 23.754 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 264778   | 23.042 | ug/L  | 95       |
| 35) Methylcyclohexane         | 9.337  | 83   | 456192   | 22.321 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 310474   | 25.306 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 360157   | 25.587 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 470500   | 26.150 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 497350   | 62.279 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 1108082  | 24.217 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 408528   | 27.403 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 226953   | 27.653 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 183373   | 22.683 | ug/L  | 96       |
| 48) 2-Hexanone                | 10.965 | 43   | 348937   | 60.993 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.123 | 129  | 231237   | 27.215 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 205195   | 27.121 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.654 | 112  | 688251   | 24.281 | ug/L  | 100      |
| 52) Ethylbenzene              | 11.727 | 91   | 1256109  | 24.405 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 466256   | 24.613 | ug/L  | 89       |
| 54) o-Xylene                  | 12.166 | 106  | 441634   | 24.734 | ug/L  | 90       |
| 55) Styrene                   | 12.178 | 104  | 642011   | 21.008 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 300503   | 29.345 | ug/L  | 97       |
| 59) Bromoform                 | 12.349 | 173  | 136304   | 27.864 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1195781  | 23.820 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 216956   | 27.797 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 969709   | 24.389 | ug/L  | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 922817   | 25.151 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 503538   | 23.301 | ug/L  | 93       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 521835   | 23.902 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 482554   | 25.039 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 50107    | 27.685 | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 320682   | 22.355 | ug/L  | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 262978   | 21.883 | ug/L  | 96       |
| 71) Naphthalene               | 15.360 | 128  | 609649   | 26.878 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 253534   | 23.777 | ug/L  | 99       |

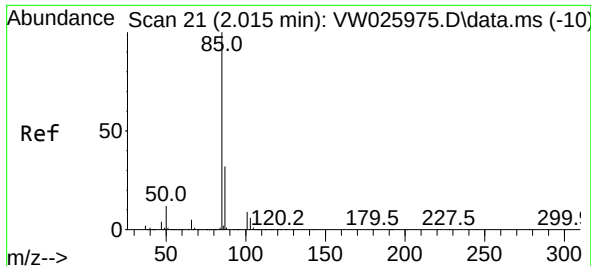
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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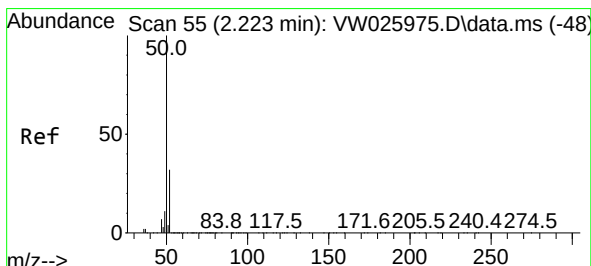
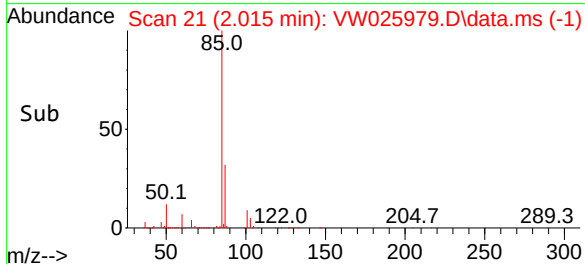
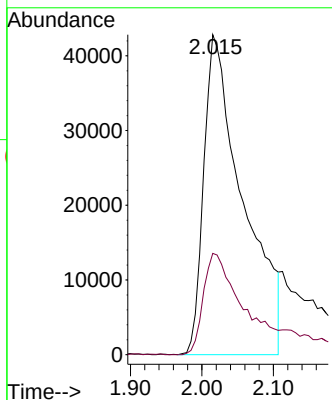
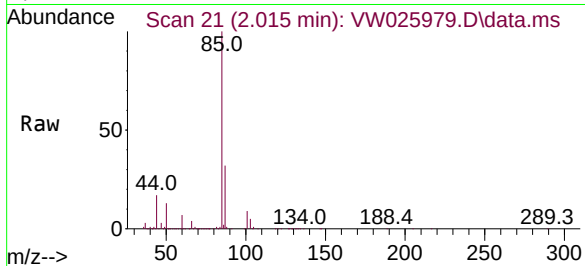




#2  
 Dichlorodifluoromethane  
 Concen: 20.629 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VW025979.D  
 Acq: 15 May 2023 13:01

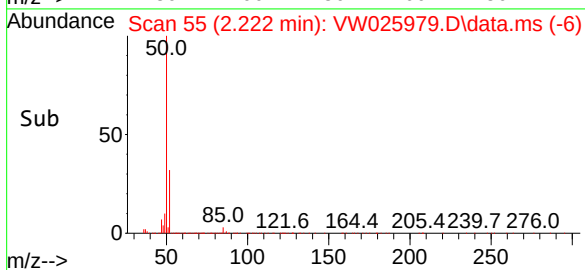
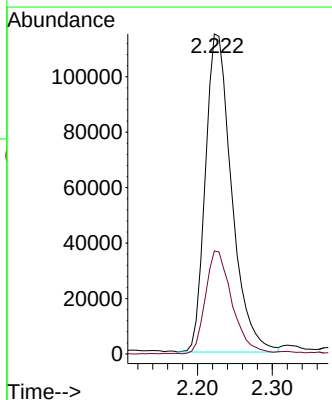
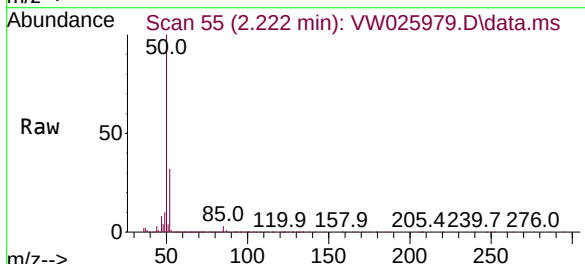
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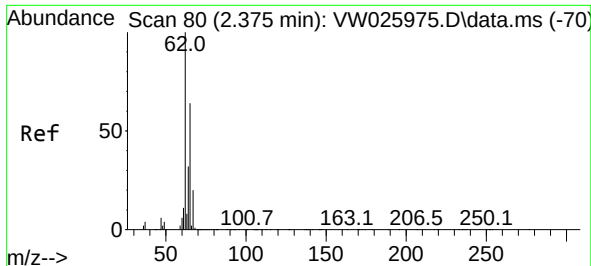
Tgt Ion: 85 Resp: 163181  
 Ion Ratio Lower Upper  
 85 100  
 87 32.0 24.7 37.1



#3  
 Chloromethane  
 Concen: 24.054 ug/L  
 RT: 2.222 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VW025979.D  
 Acq: 15 May 2023 13:01

Tgt Ion: 50 Resp: 280552  
 Ion Ratio Lower Upper  
 50 100  
 52 32.2 22.1 41.1

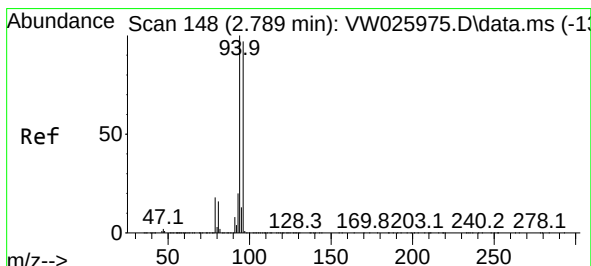
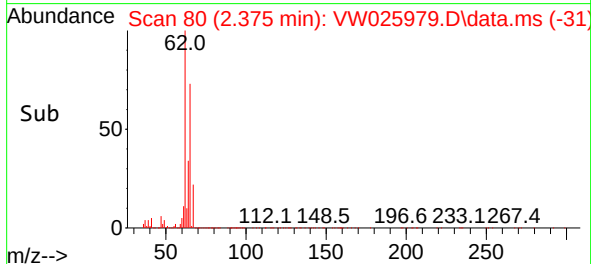
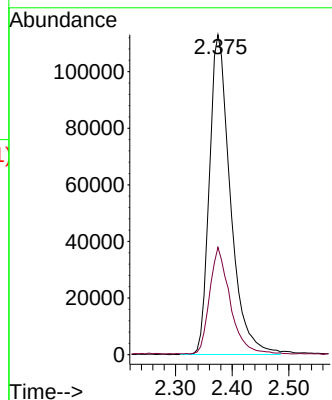
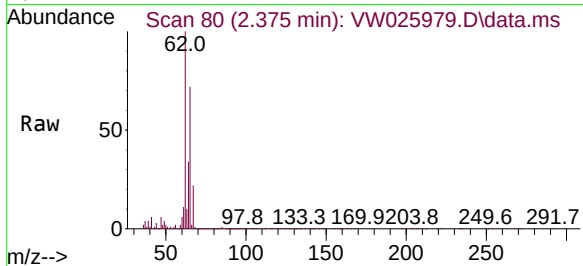




#5  
 Vinyl chloride  
 Concen: 24.006 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW025979.D  
 Acq: 15 May 2023 13:01

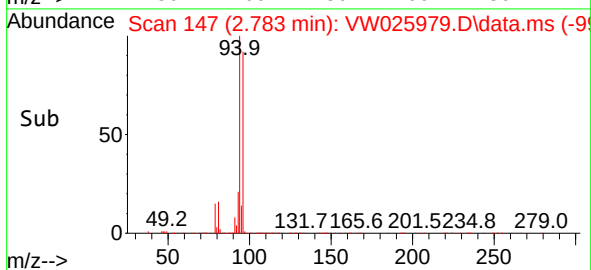
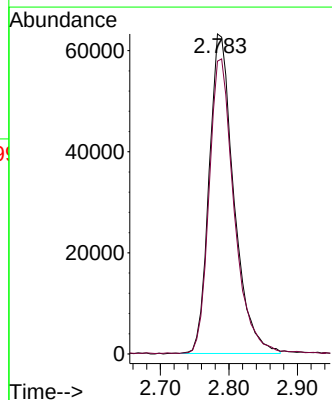
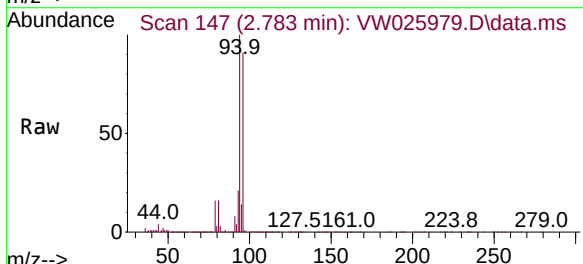
Instrument :  
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 ClientSampleId :  
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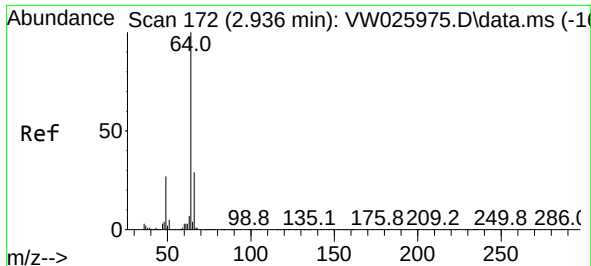
Tgt Ion: 62 Resp: 289807  
 Ion Ratio Lower Upper  
 62 100  
 64 33.6 22.7 42.3



#6  
 Bromomethane  
 Concen: 24.163 ug/L  
 RT: 2.783 min Scan# 147  
 Delta R.T. -0.006 min  
 Lab File: VW025979.D  
 Acq: 15 May 2023 13:01

Tgt Ion: 94 Resp: 158651  
 Ion Ratio Lower Upper  
 94 100  
 96 91.5 63.1 117.1

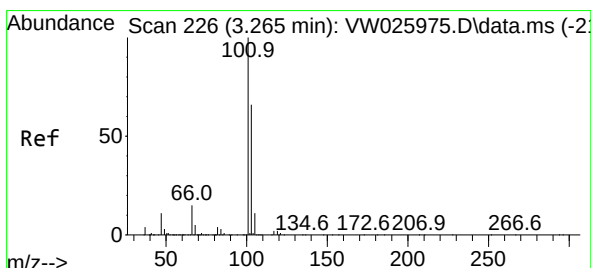
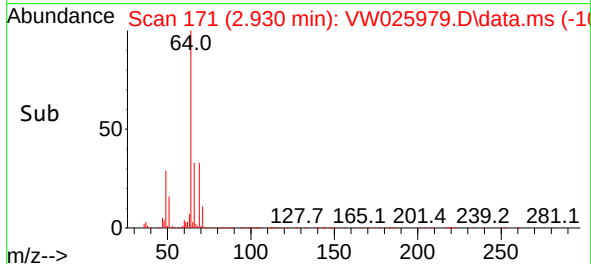
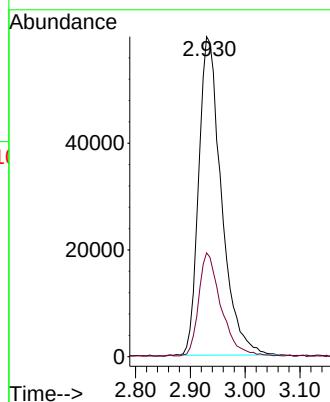
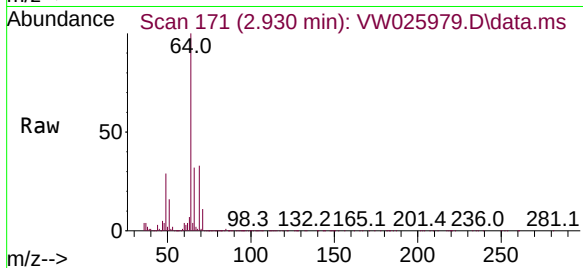




#8  
Chloroethane  
Concen: 25.009 ug/L  
RT: 2.930 min Scan# 172  
Delta R.T. -0.006 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

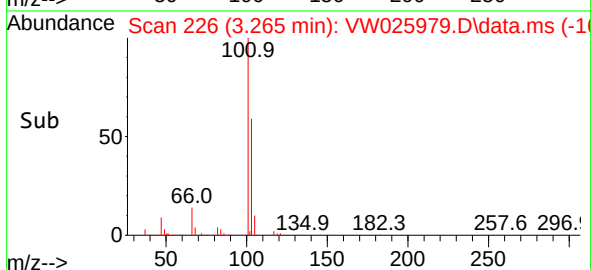
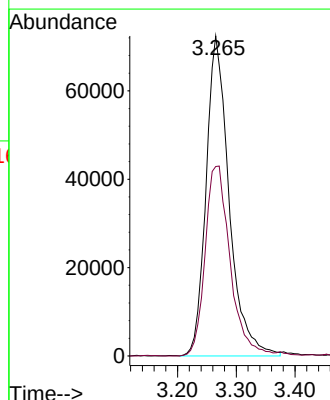
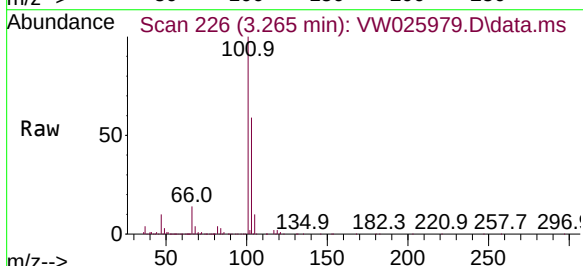
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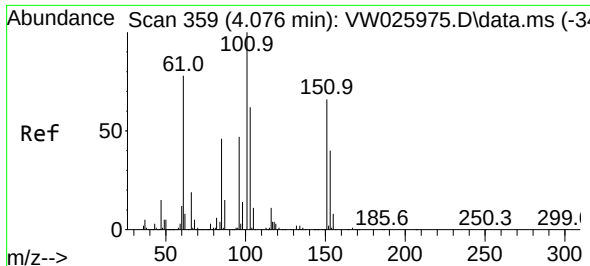
Tgt Ion: 64 Resp: 171674  
Ion Ratio Lower Upper  
64 100  
66 32.5 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 21.665 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion: 101 Resp: 197379  
Ion Ratio Lower Upper  
101 100  
103 64.4 50.6 76.0

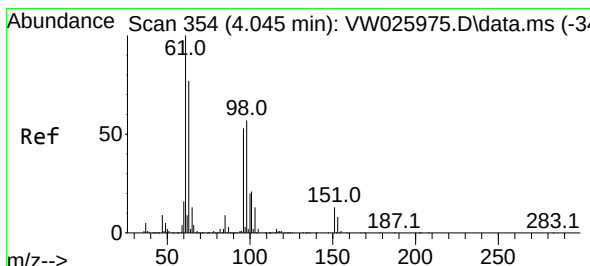
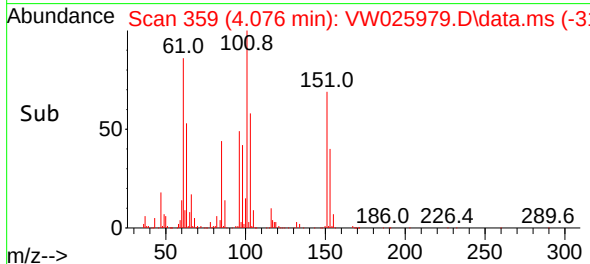
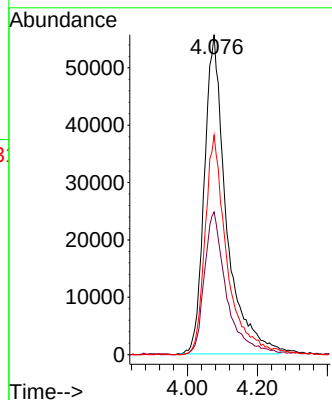
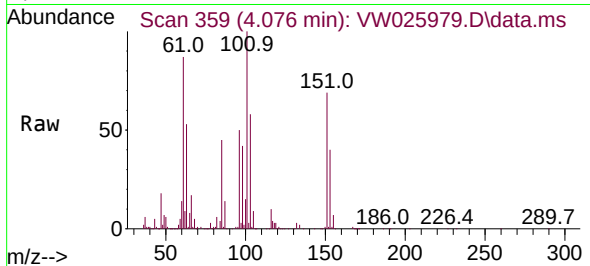




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 24.518 ug/L  
 RT: 4.076 min Scan# 359  
 Delta R.T. -0.000 min  
 Lab File: VW025979.D  
 Acq: 15 May 2023 13:01

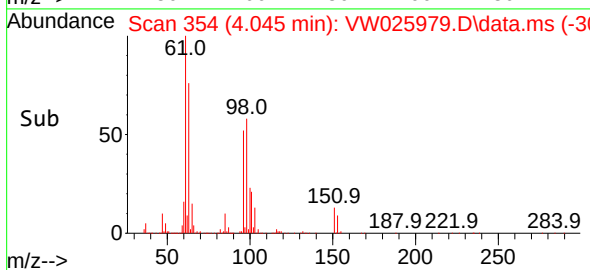
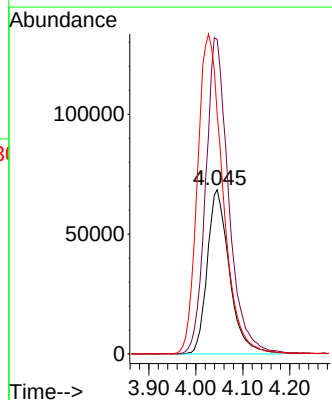
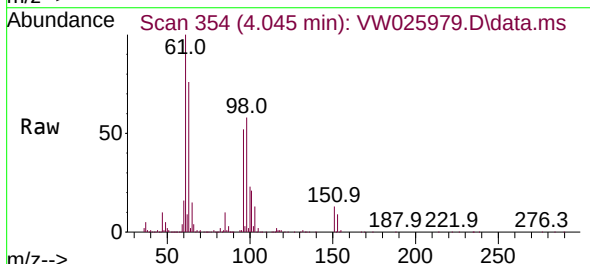
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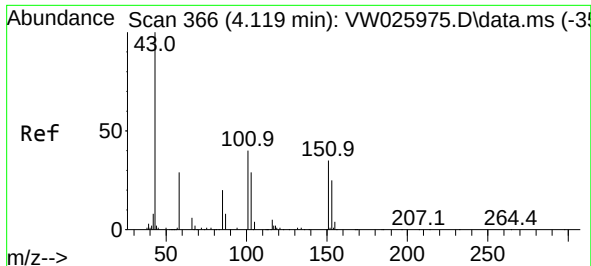
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 Ion Ratio Lower Upper  
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 85 43.7 33.9 50.9  
 151 67.8 54.2 81.2



#12  
 1,1-Dichloroethene  
 Concen: 23.651 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.000 min  
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Tgt Ion: 96 Resp: 223960  
 Ion Ratio Lower Upper  
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 61 191.7 135.0 250.8  
 63 146.1 104.9 194.7

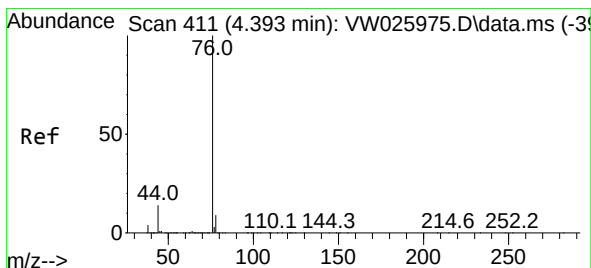
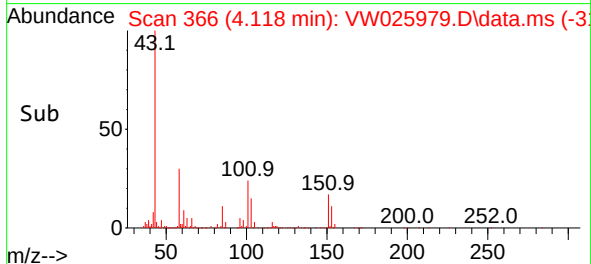
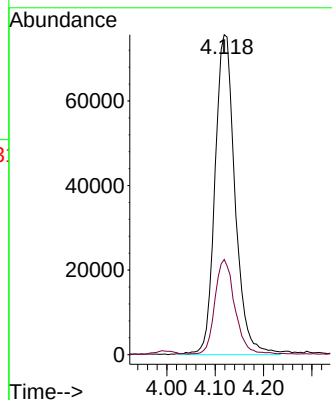
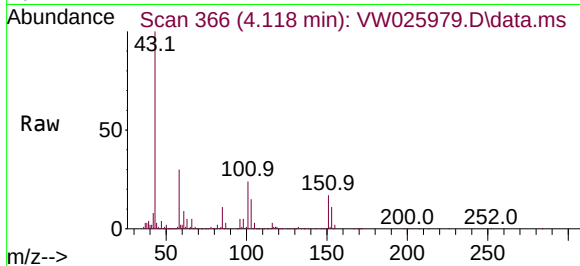




#13  
Acetone  
Concen: 74.128 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

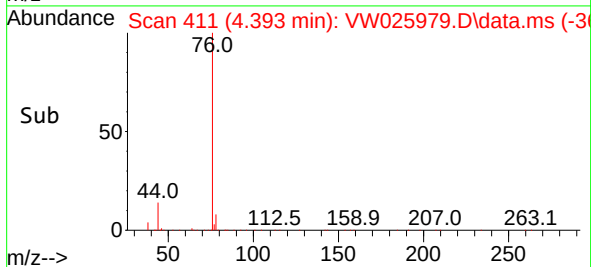
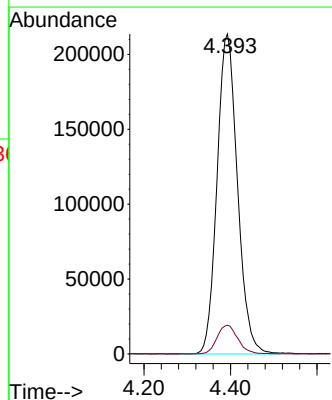
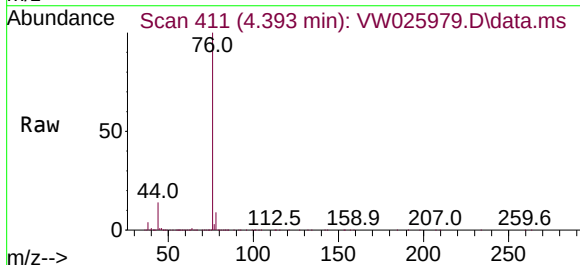
Instrument :  
MSVOA\_W  
ClientSampleId :  
GBW01MSD

Tgt Ion: 43 Resp: 218018  
Ion Ratio Lower Upper  
43 100  
58 28.9 0.0 58.2

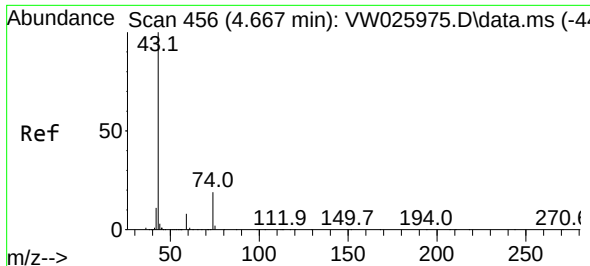


#14  
Carbon disulfide  
Concen: 21.888 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion: 76 Resp: 700919  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.0



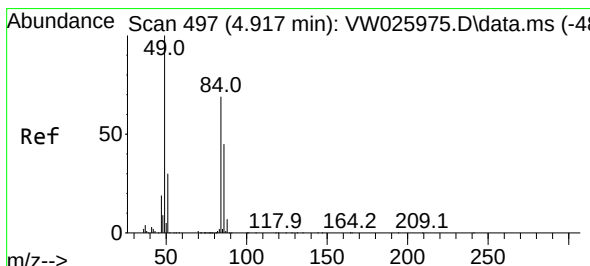
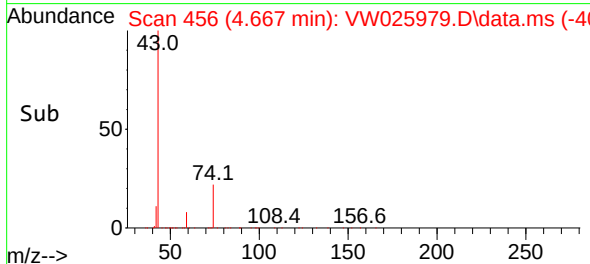
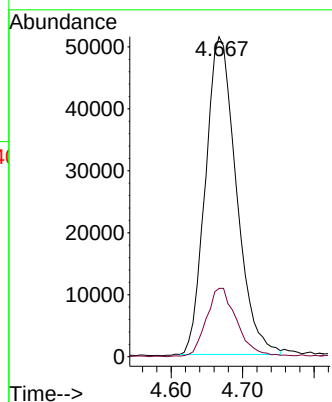
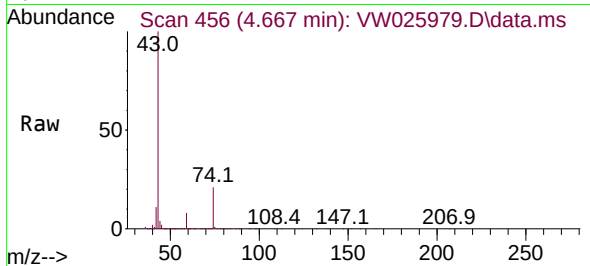




#15  
Methyl Acetate  
Concen: 26.486 ug/L  
RT: 4.667 min Scan# 456  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

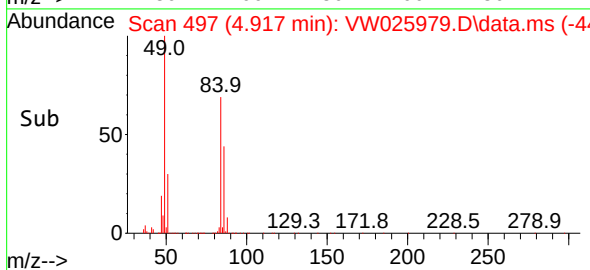
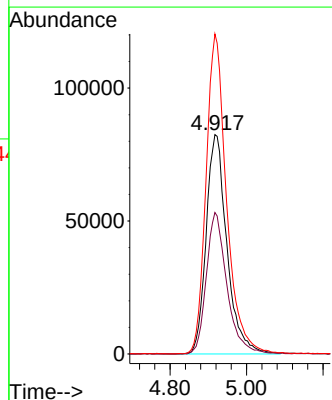
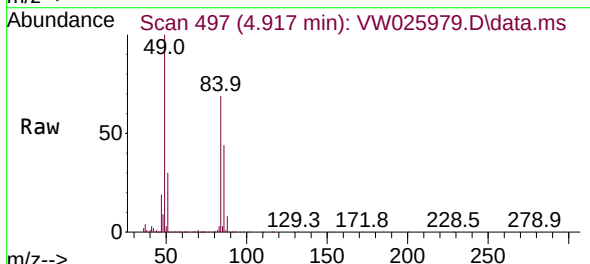
Instrument :  
MSVOA\_W  
ClientSampleId :  
GBW01MSD

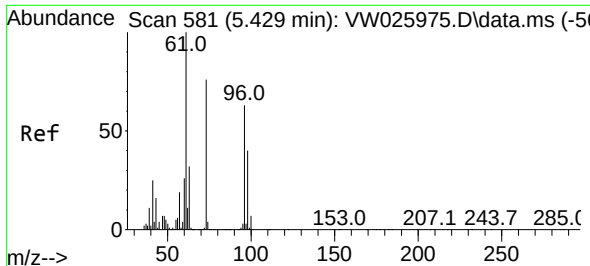
Tgt Ion: 43 Resp: 153506  
Ion Ratio Lower Upper  
43 100  
74 20.9 16.5 24.7



#16  
Methylene chloride  
Concen: 21.342 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion: 84 Resp: 311634  
Ion Ratio Lower Upper  
84 100  
86 64.5 41.7 77.5  
49 145.9 95.3 177.1

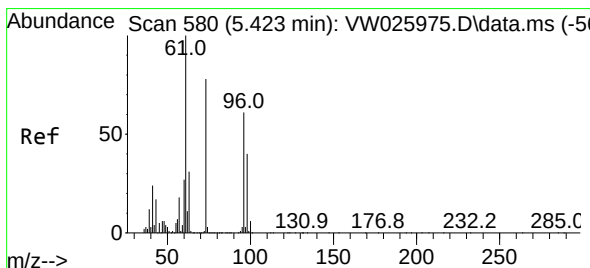
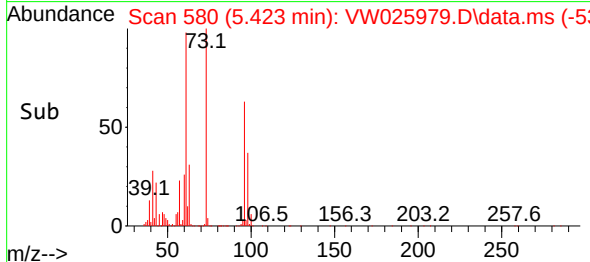
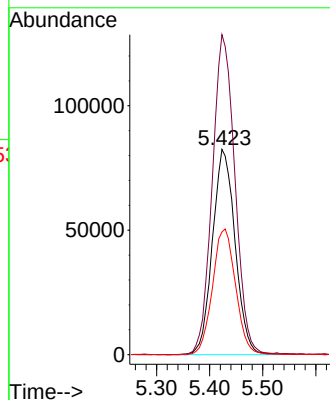
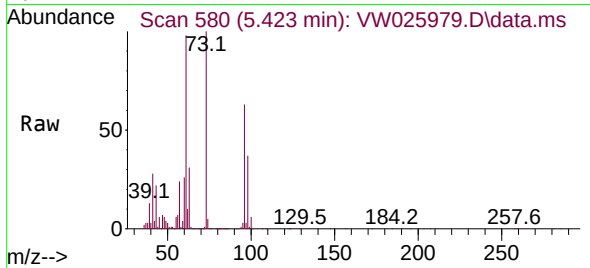




#17  
trans-1,2-Dichloroethene  
Concen: 23.701 ug/L  
RT: 5.423 min Scan# 581  
Delta R.T. -0.006 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

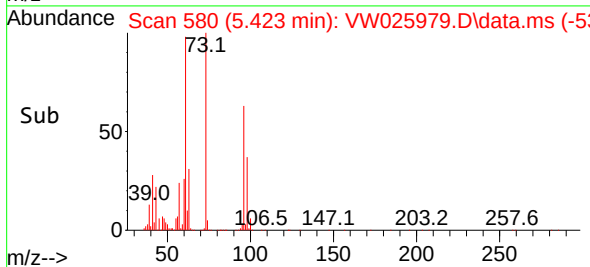
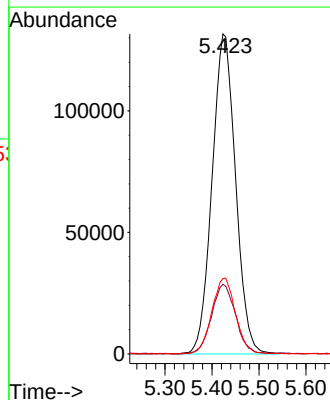
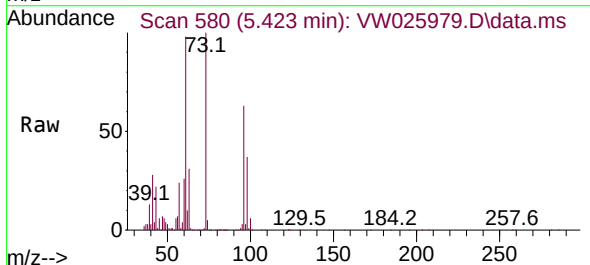
Instrument :  
MSVOA\_W  
ClientSampleId :  
GBW01MSD

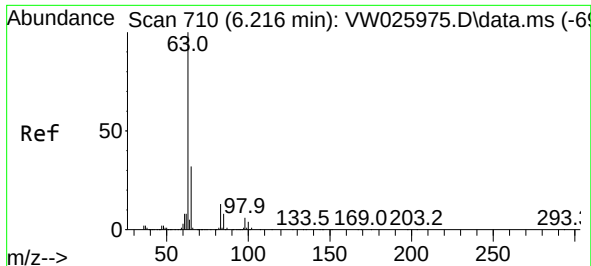
Tgt Ion: 96 Resp: 244835  
Ion Ratio Lower Upper  
96 100  
61 155.9 108.1 200.9  
98 59.8 44.0 81.8



#18  
Methyl tert-butyl Ether  
Concen: 29.175 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion: 73 Resp: 457418  
Ion Ratio Lower Upper  
73 100  
43 22.0 18.2 27.4  
57 23.7 19.2 28.8





#19

1,1-Dichloroethane

Concen: 24.561 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

Instrument :

MSVOA\_W

ClientSampleId :

GBW01MSD

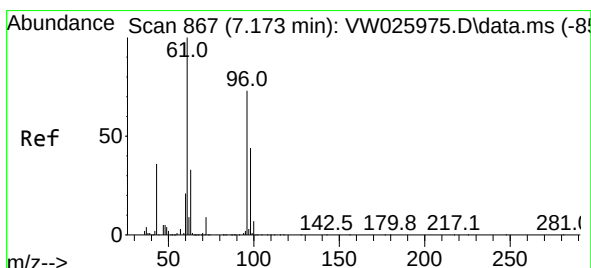
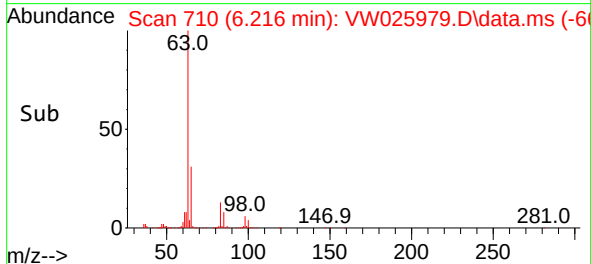
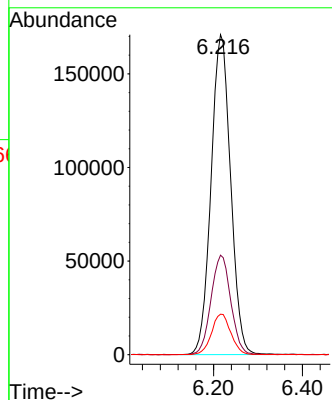
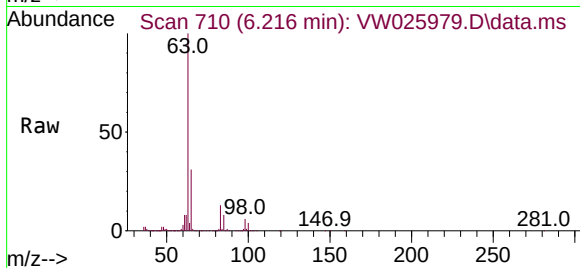
Tgt Ion: 63 Resp: 521282

Ion Ratio Lower Upper

63 100

65 31.1 22.4 41.6

83 12.6 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 24.903 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

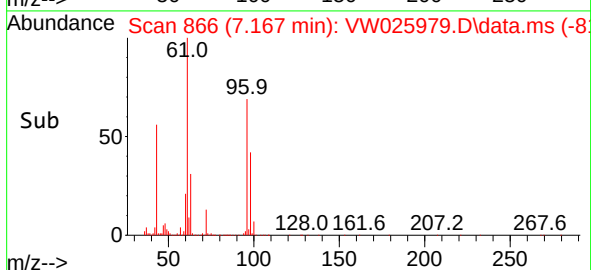
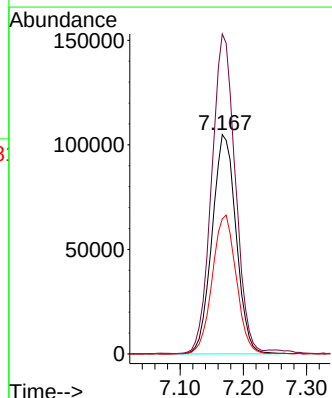
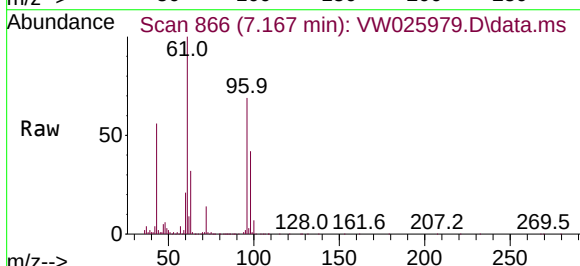
Tgt Ion: 96 Resp: 275993

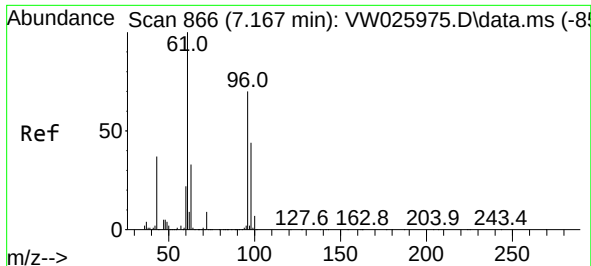
Ion Ratio Lower Upper

96 100

61 145.8 98.6 183.0

98 61.5 45.2 84.0

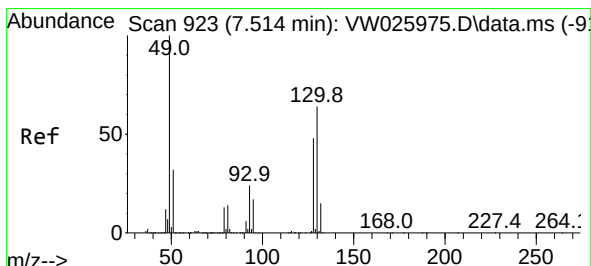
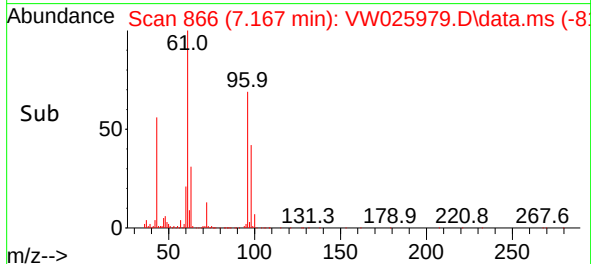
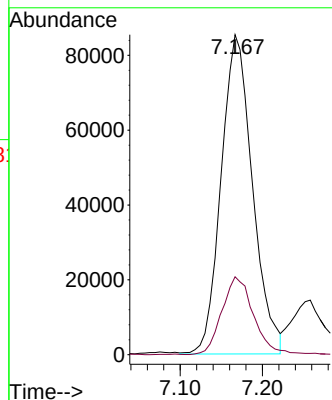
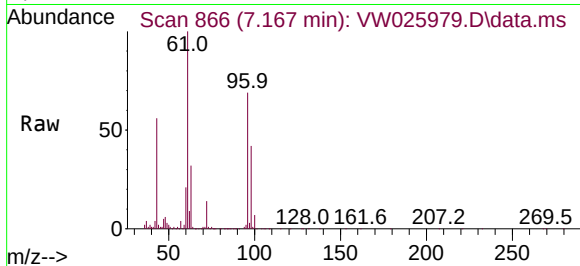




#22  
2-Butanone  
Concen: 55.775 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

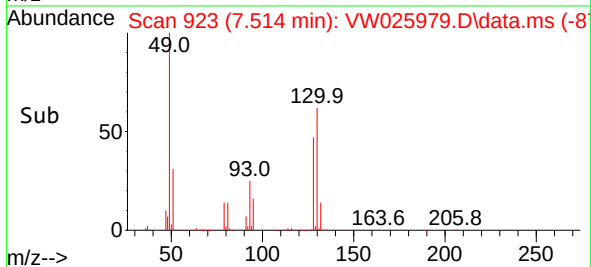
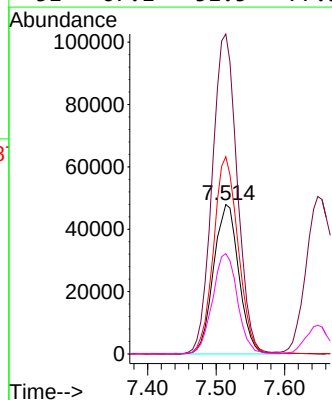
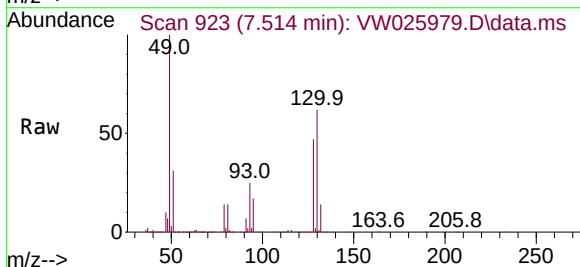
Instrument :  
MSVOA\_W  
ClientSampleId :  
GBW01MSD

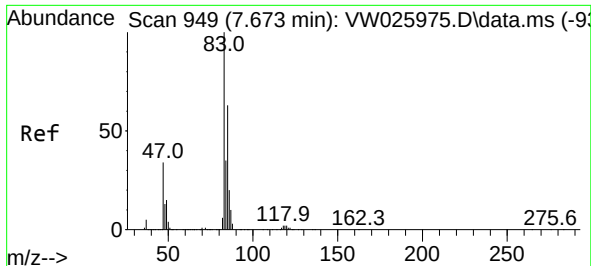
Tgt Ion: 43 Resp: 226506  
Ion Ratio Lower Upper  
43 100  
72 24.4 11.8 35.4



#23  
Bromochloromethane  
Concen: 26.081 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion: 128 Resp: 122453  
Ion Ratio Lower Upper  
128 100  
49 214.1 151.5 281.5  
130 132.0 91.3 169.6  
51 67.1 51.5 77.3

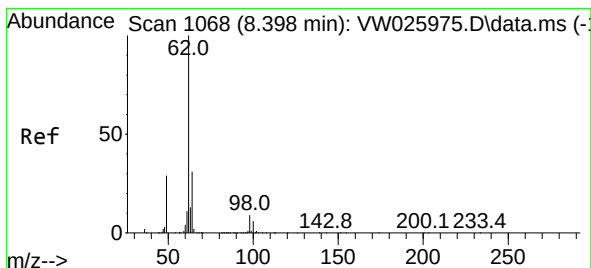
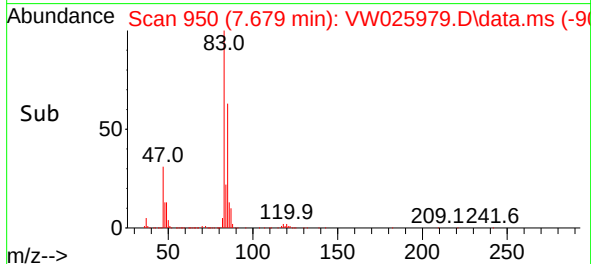
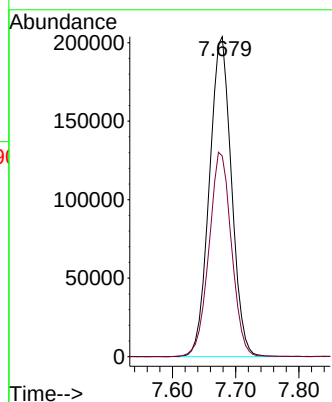
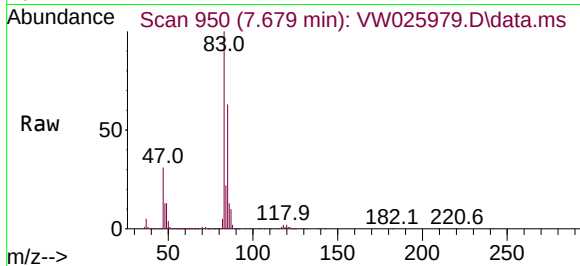




#25  
Chloroform  
Concen: 25.363 ug/L  
RT: 7.679 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

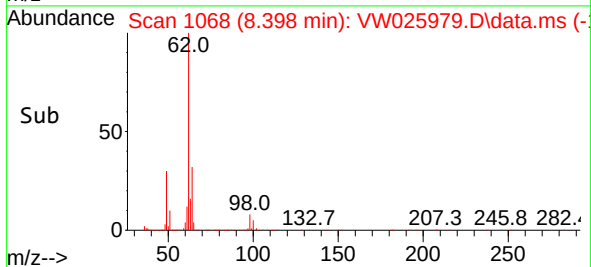
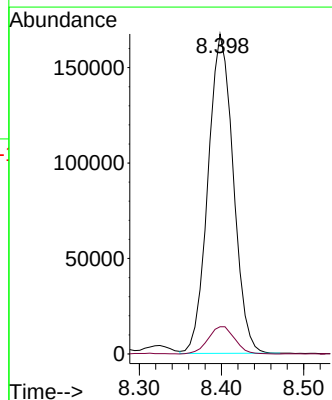
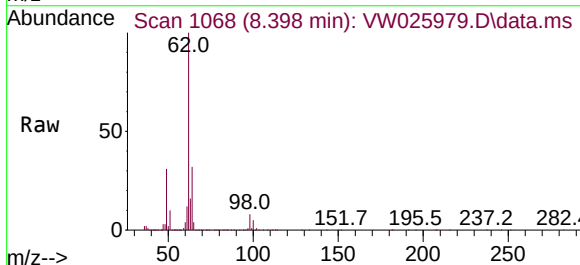
Instrument :  
MSVOA\_W  
ClientSampleId :  
GBW01MSD

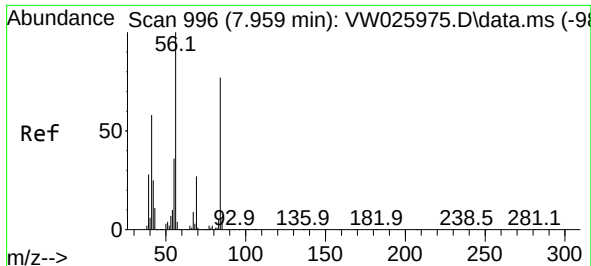
Tgt Ion: 83 Resp: 494757  
Ion Ratio Lower Upper  
83 100  
85 62.7 45.1 83.9



#27  
1,2-Dichloroethane  
Concen: 25.746 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion: 62 Resp: 356671  
Ion Ratio Lower Upper  
62 100  
98 8.5 7.2 10.8

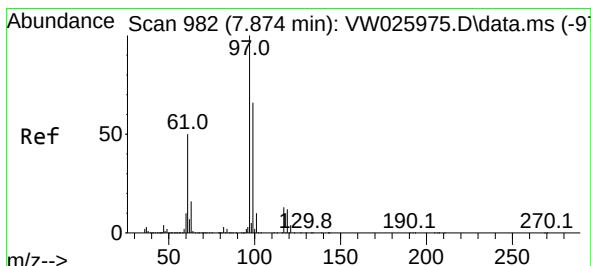
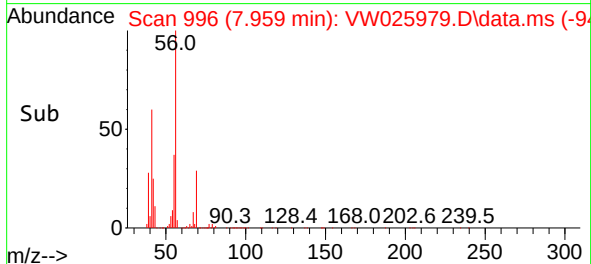
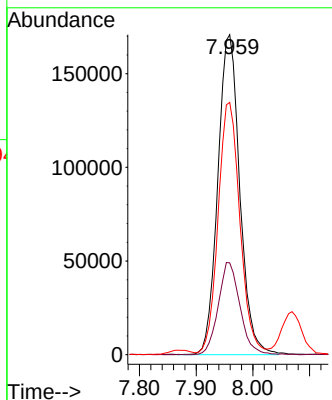
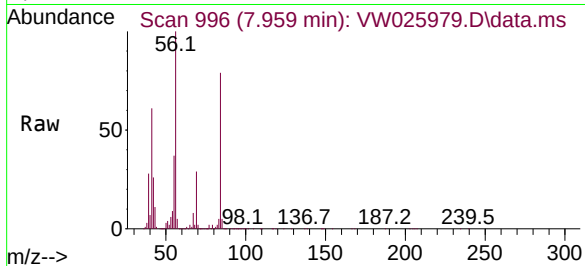




#29  
Cyclohexane  
Concen: 22.907 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

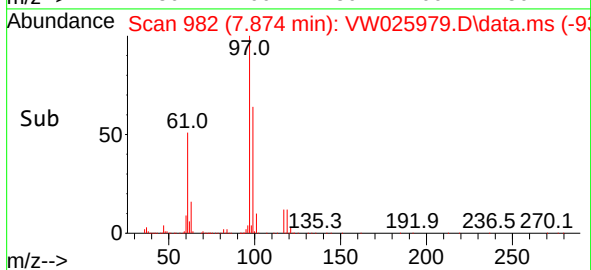
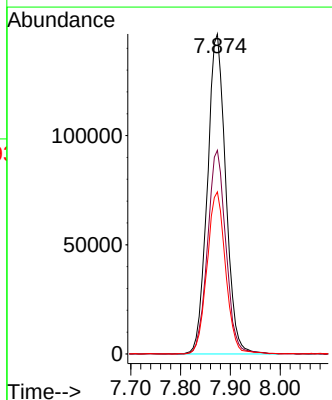
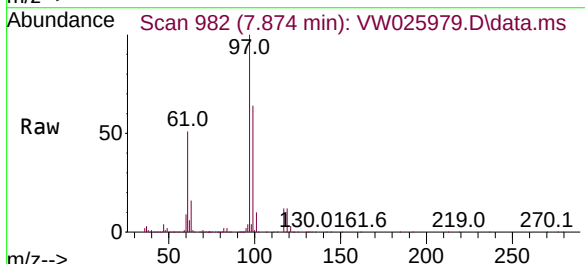
Instrument :  
MSVOA\_W  
ClientSampleId :  
GBW01MSD

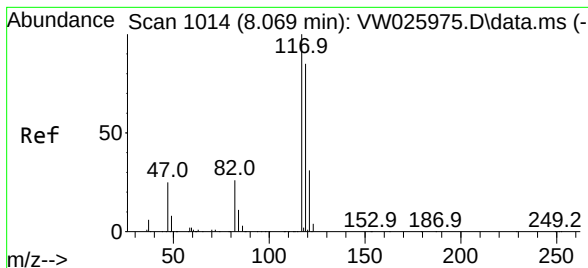
Tgt Ion: 56 Resp: 459472  
Ion Ratio Lower Upper  
56 100  
69 28.5 23.4 35.0  
84 78.5 63.3 94.9



#30  
1,1,1-Trichloroethane  
Concen: 23.659 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion: 97 Resp: 374514  
Ion Ratio Lower Upper  
97 100  
99 63.7 51.1 76.7  
61 51.1 40.4 60.6

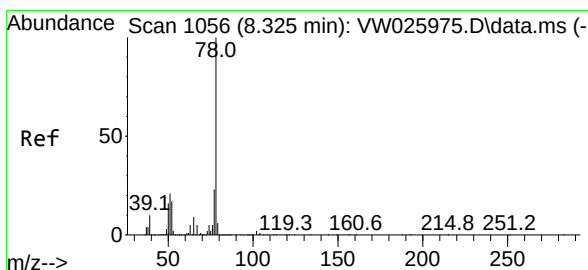
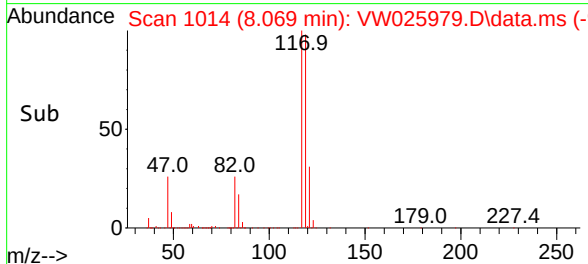
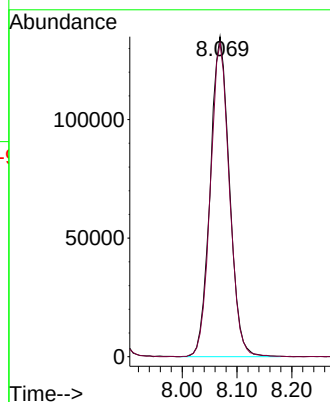
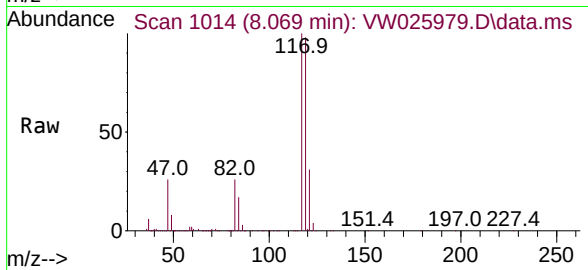




#31  
Carbon tetrachloride  
Concen: 23.172 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

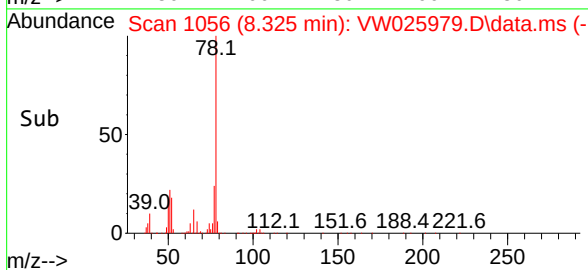
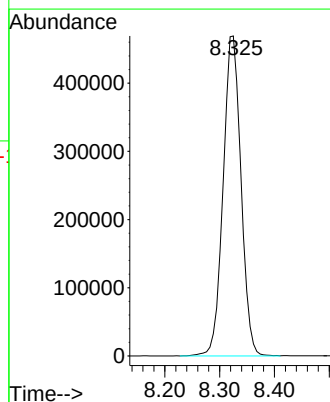
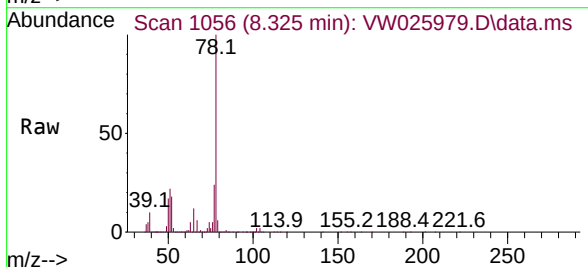
Instrument : MSVOA\_W  
ClientSampleId : GBW01MSD

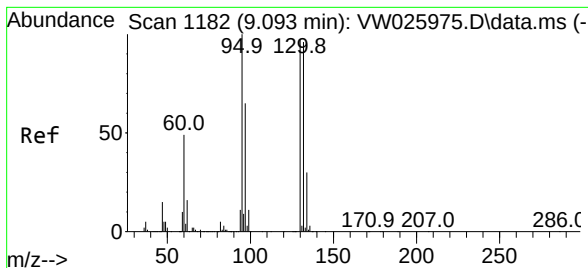
Tgt Ion:117 Resp: 330097  
Ion Ratio Lower Upper  
117 100  
119 96.8 76.9 115.3



#33  
Benzene  
Concen: 23.754 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion: 78 Resp: 1063726





#34

Trichloroethene

Concen: 23.042 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW025979.D

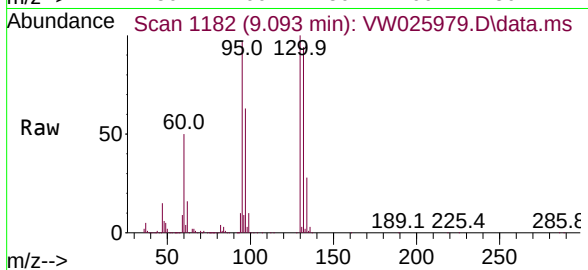
Acq: 15 May 2023 13:01

Instrument :

MSVOA\_W

ClientSampleId :

GBW01MSD



Tgt Ion: 95 Resp: 264778

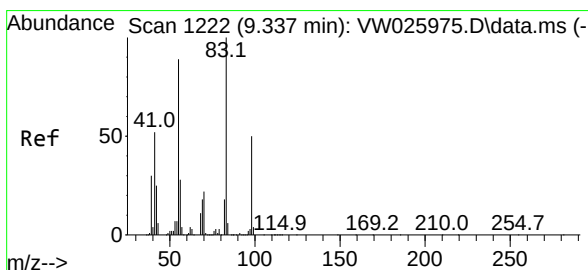
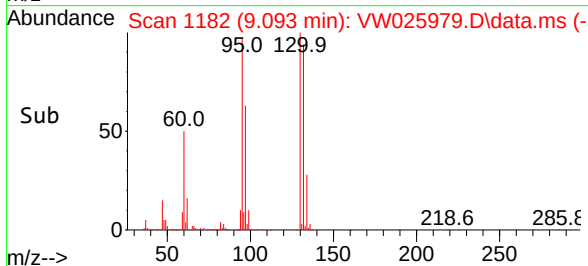
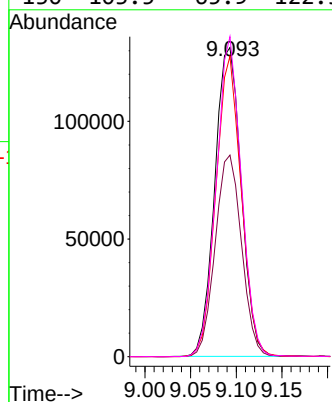
Ion Ratio Lower Upper

95 100

97 65.2 45.9 85.3

132 97.2 66.0 122.6

130 103.5 65.9 122.3



#35

Methylcyclohexane

Concen: 22.321 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

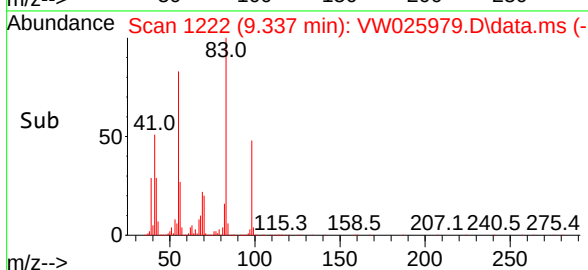
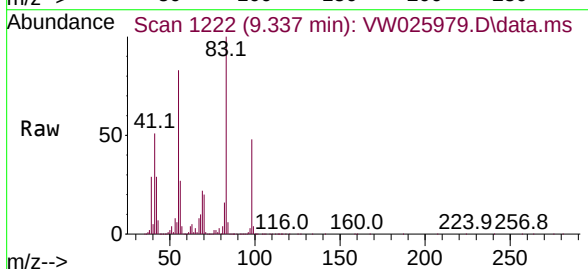
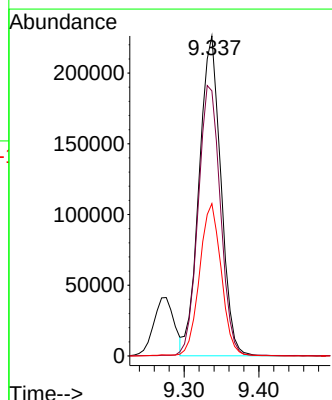
Tgt Ion: 83 Resp: 456192

Ion Ratio Lower Upper

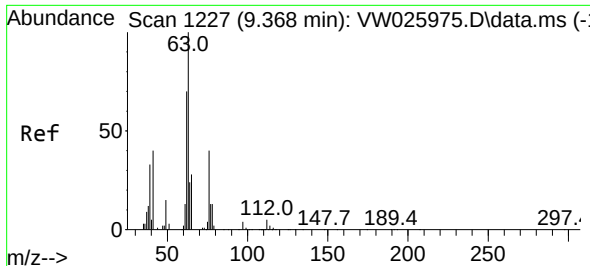
83 100

55 86.0 69.0 103.4

98 47.3 37.1 55.7







#37

1,2-Dichloropropane

Concen: 25.306 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

Instrument :

MSVOA\_W

ClientSampleId :

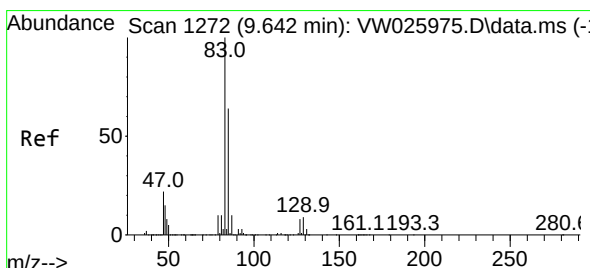
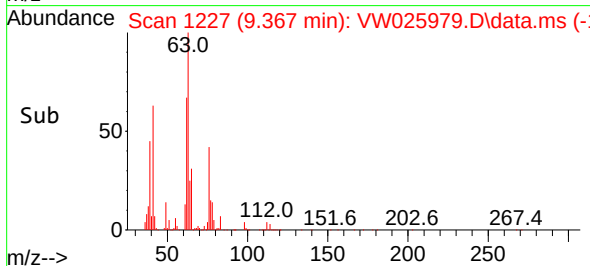
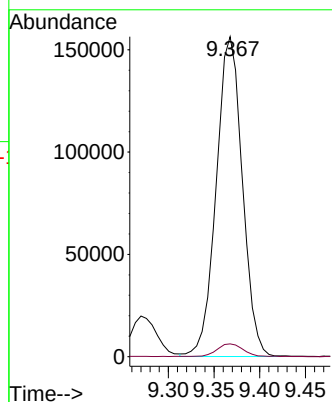
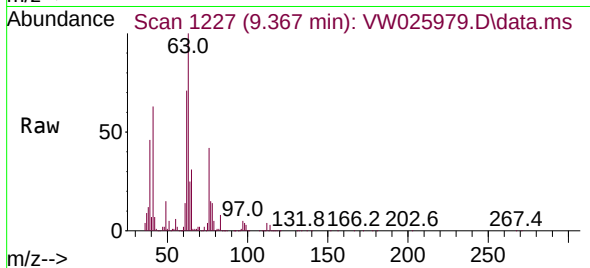
GBW01MSD

Tgt Ion: 63 Resp: 310474

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 25.587 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

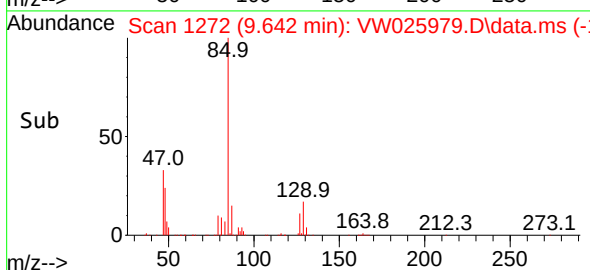
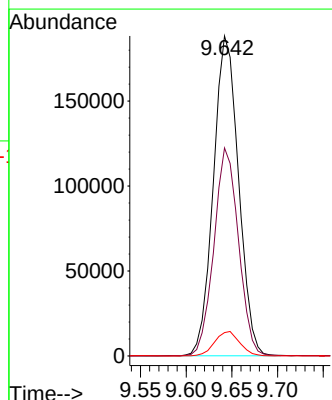
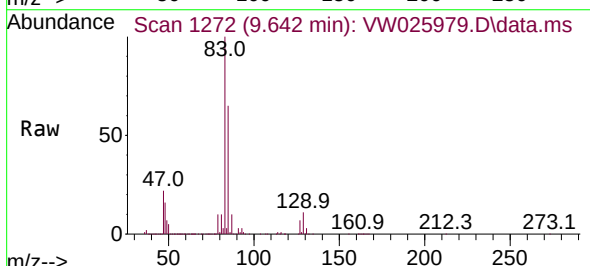
Tgt Ion: 83 Resp: 360157

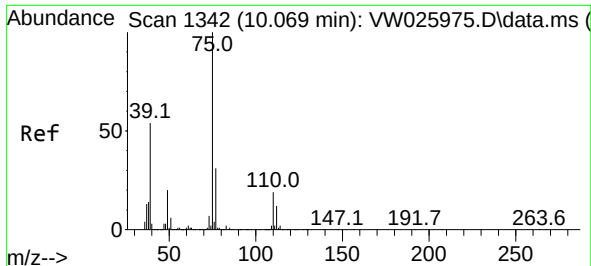
Ion Ratio Lower Upper

83 100

85 65.0 44.4 82.5

127 7.3 6.5 9.7

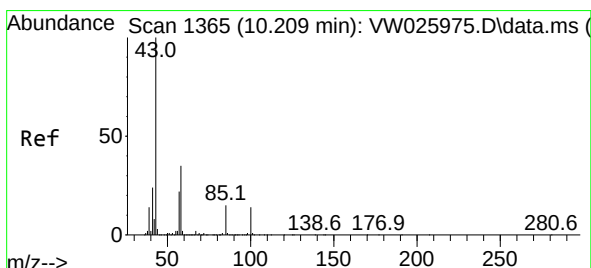
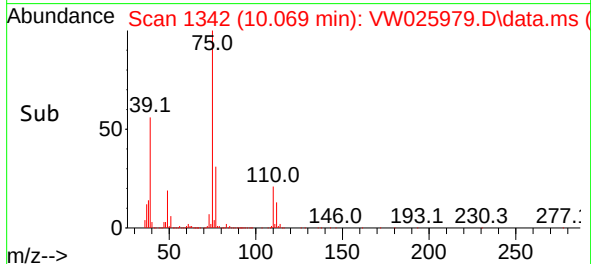
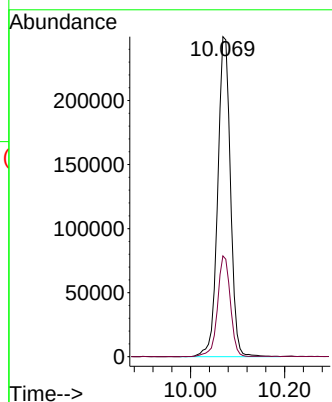
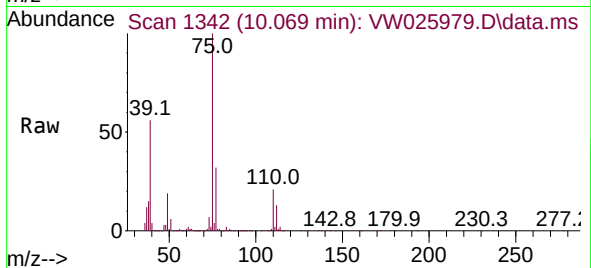




#39  
cis-1,3-Dichloropropene  
Concen: 26.150 ug/L  
RT: 10.069 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

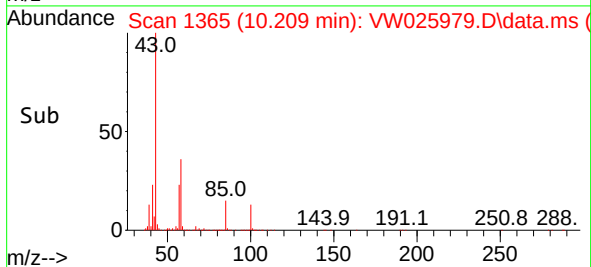
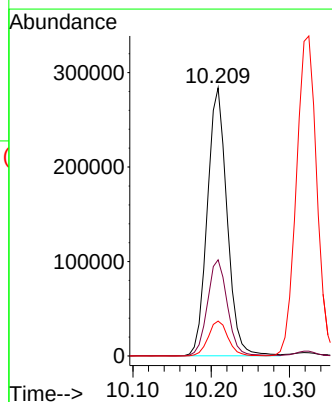
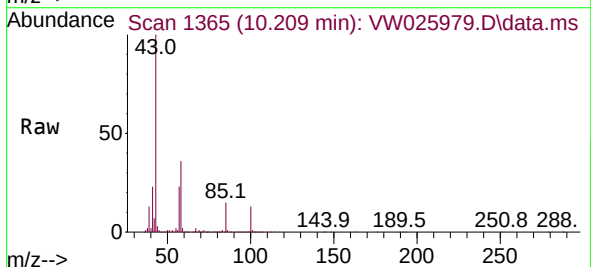
Instrument :  
MSVOA\_W  
ClientSampleId :  
GBW01MSD

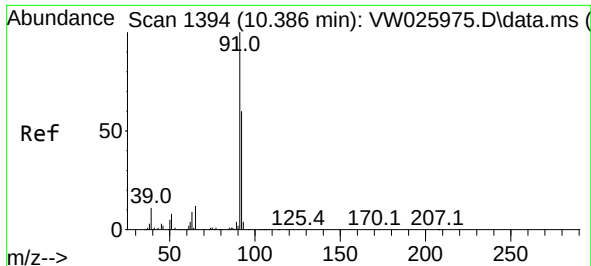
Tgt Ion: 75 Resp: 470500  
Ion Ratio Lower Upper  
75 100  
77 31.5 22.4 41.6



#40  
4-Methyl-2-pentanone  
Concen: 62.279 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion: 43 Resp: 497350  
Ion Ratio Lower Upper  
43 100  
58 36.2 29.4 44.0  
100 13.1 10.1 15.1

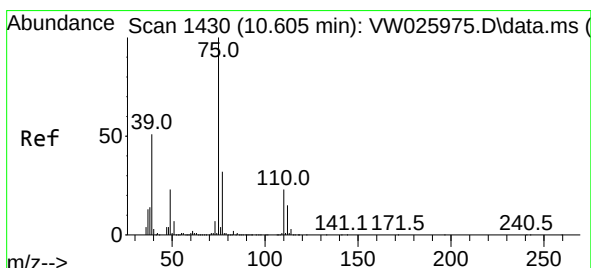
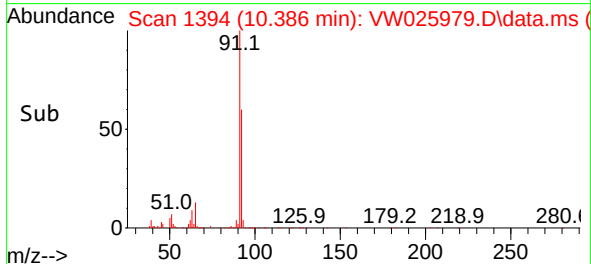
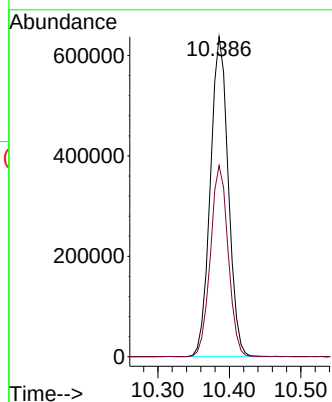
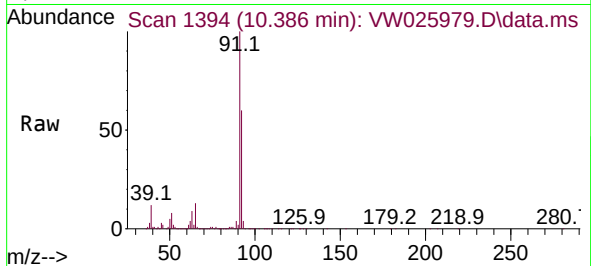




#42  
Toluene  
Concen: 24.217 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

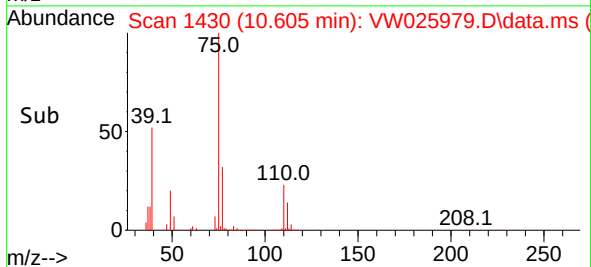
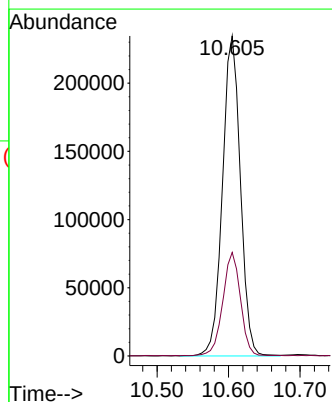
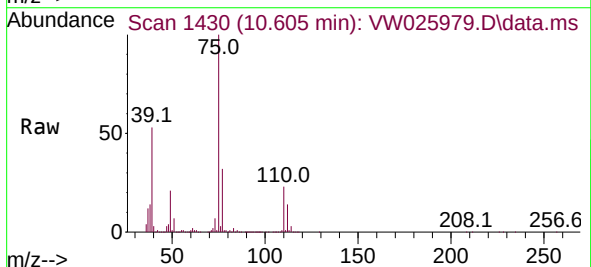
Instrument :  
MSVOA\_W  
ClientSampleId :  
GBW01MSD

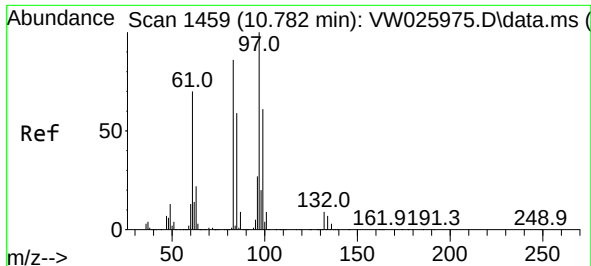
Tgt Ion: 91 Resp: 1108082  
Ion Ratio Lower Upper  
91 100  
92 59.7 40.2 74.6



#44  
trans-1,3-Dichloropropene  
Concen: 27.403 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion: 75 Resp: 408528  
Ion Ratio Lower Upper  
75 100  
77 32.4 21.8 40.4



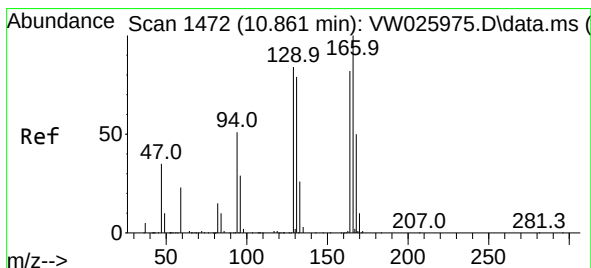
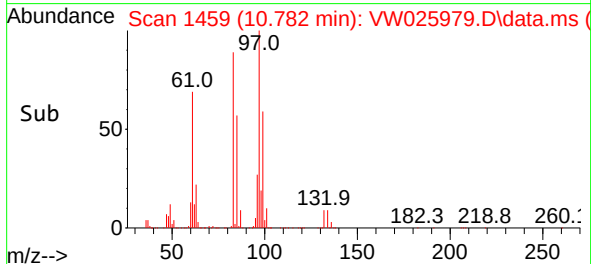
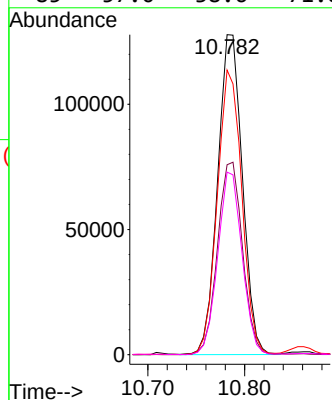
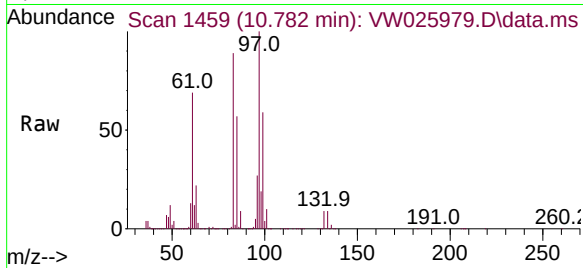


#45  
1,1,2-Trichloroethane  
Concen: 27.653 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Instrument :  
MSVOA\_W  
ClientSampleId :  
GBW01MSD

Tgt Ion: 97 Resp: 226953

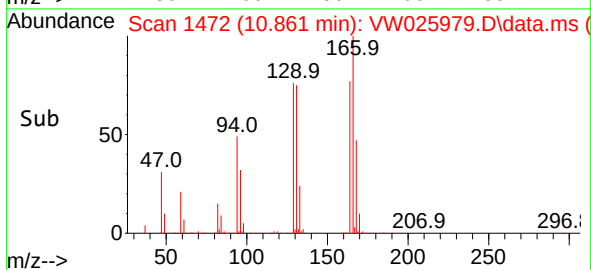
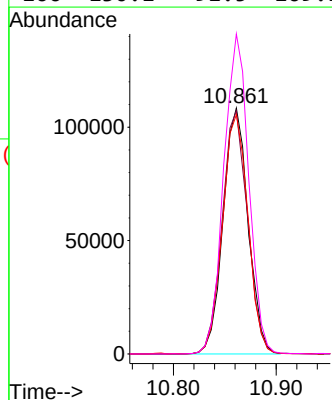
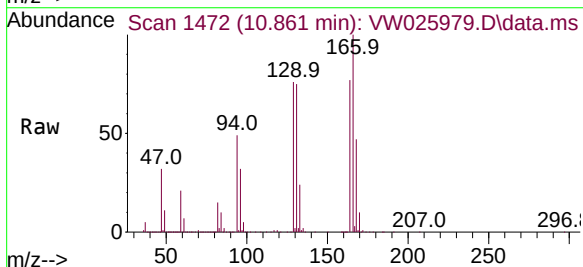
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 59.3  | 44.5  | 82.7  |
| 83  | 89.0  | 63.0  | 117.0 |
| 85  | 57.0  | 38.6  | 71.8  |

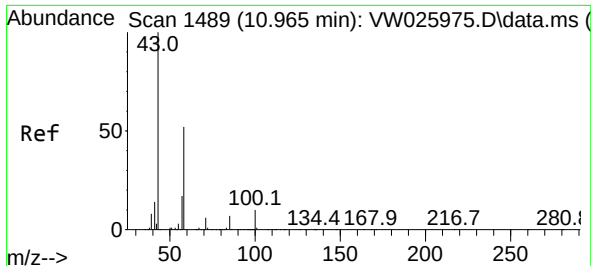


#46  
Tetrachloroethene  
Concen: 22.683 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion:164 Resp: 183373

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 98.9  | 74.3  | 138.1 |
| 131 | 97.4  | 71.3  | 132.3 |
| 166 | 130.1 | 91.5  | 169.9 |



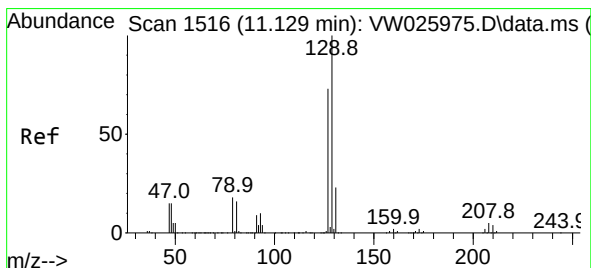
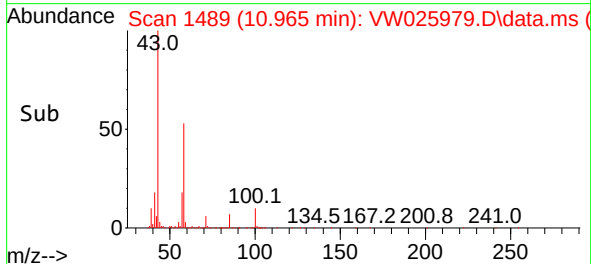
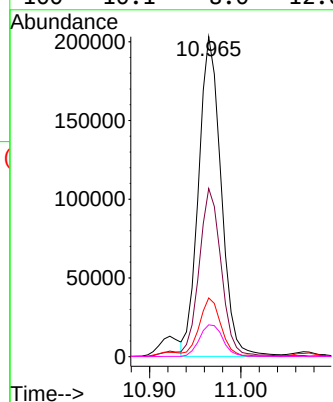
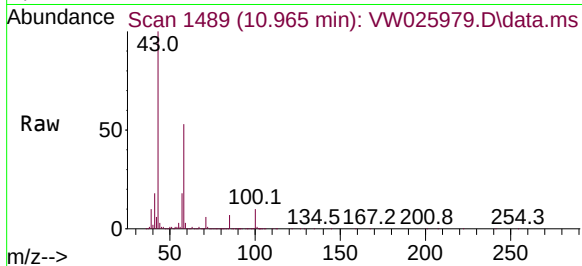


#48  
2-Hexanone  
Concen: 60.993 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Instrument :  
MSVOA\_W  
ClientSampleId :  
GBW01MSD

Tgt Ion: 43 Resp: 348937

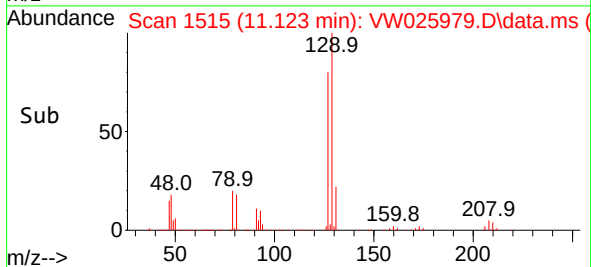
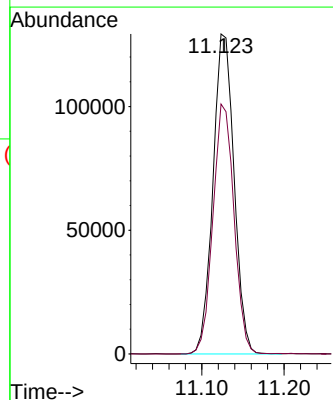
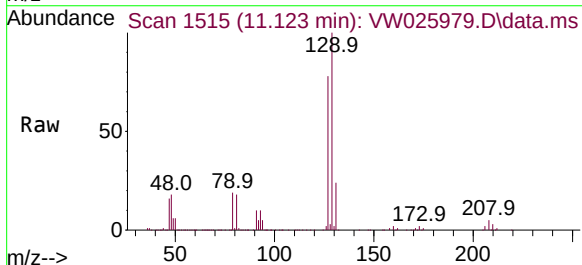
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 50.2  | 40.8  | 61.2  |
| 57  | 17.6  | 13.6  | 20.4  |
| 100 | 10.1  | 8.0   | 12.0  |

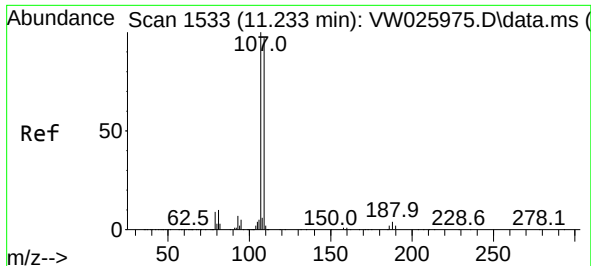


#49  
Dibromochloromethane  
Concen: 27.215 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. -0.006 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion: 129 Resp: 231237

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.1  | 56.1  | 104.3 |





#50

1,2-Dibromoethane

Concen: 27.121 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

Instrument :

MSVOA\_W

ClientSampleId :

GBW01MSD

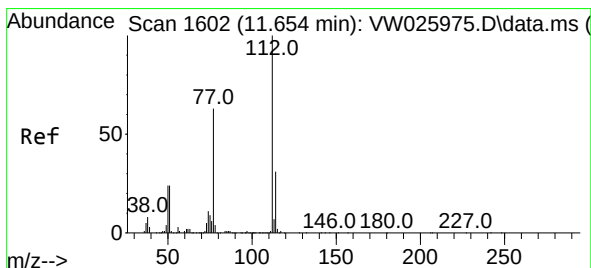
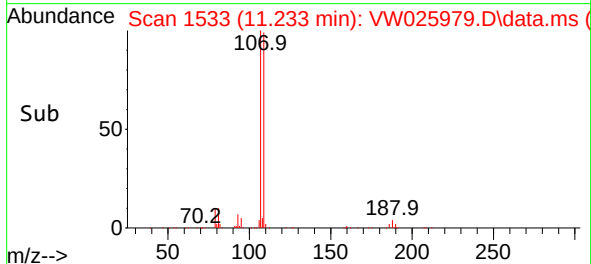
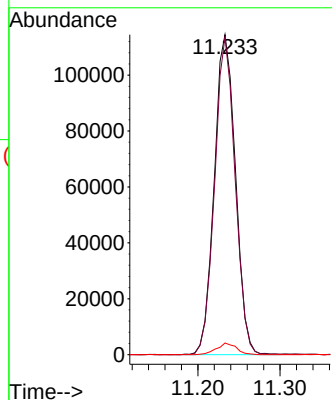
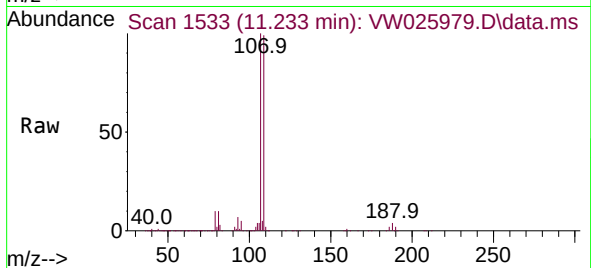
Tgt Ion:107 Resp: 205195

Ion Ratio Lower Upper

107 100

109 99.2 67.5 125.4

188 3.6 2.6 4.0



#51

Chlorobenzene

Concen: 24.281 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

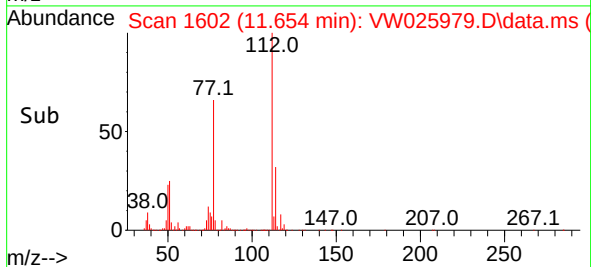
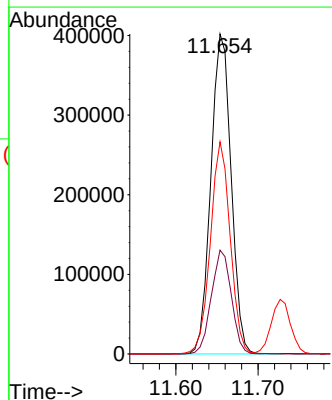
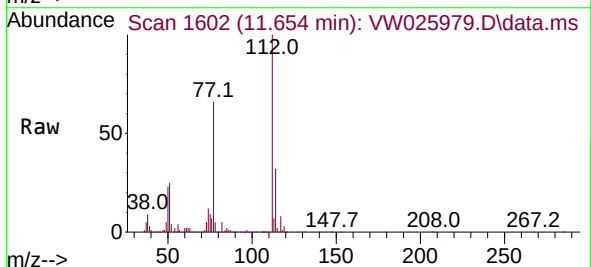
Tgt Ion:112 Resp: 688251

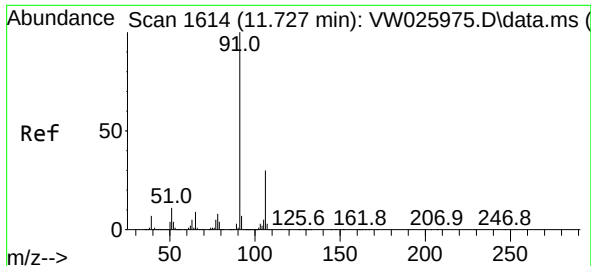
Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.3

77 66.3 53.0 79.6

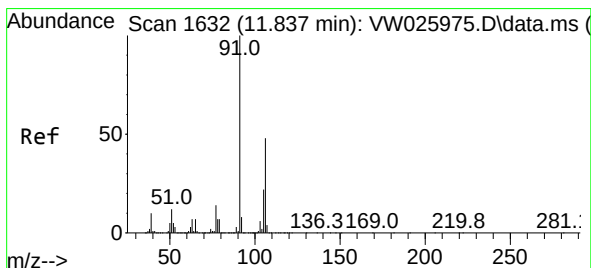
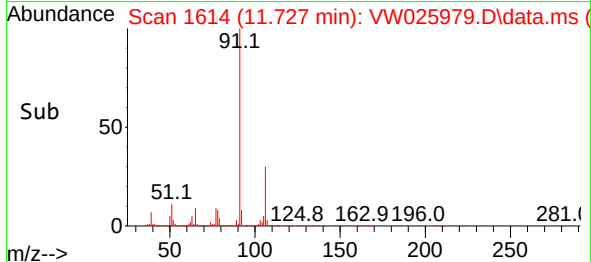
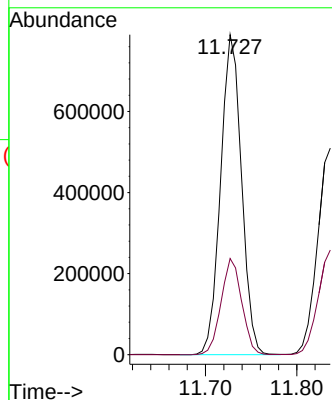
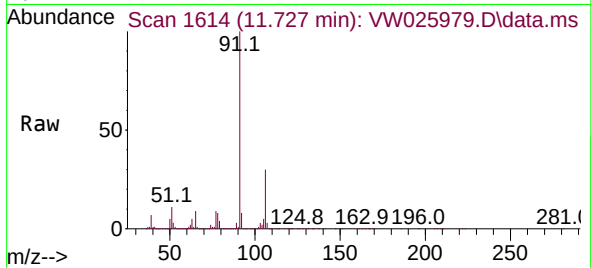




#52  
Ethylbenzene  
Concen: 24.405 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

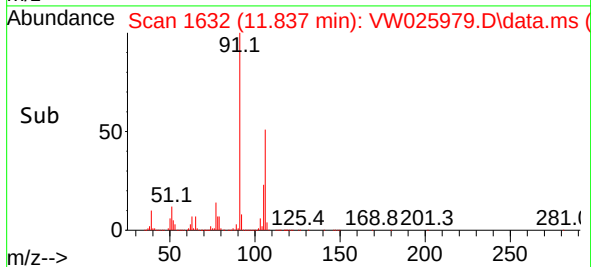
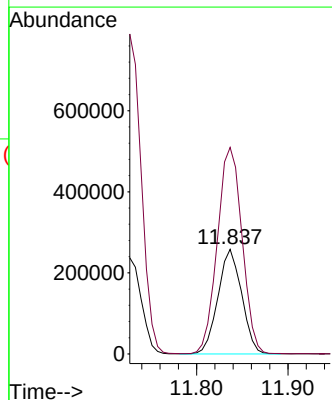
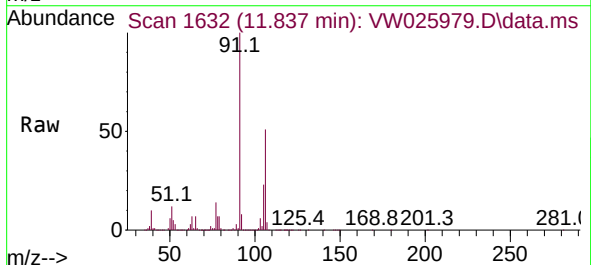
Instrument :  
MSVOA\_W  
ClientSampleId :  
GBW01MSD

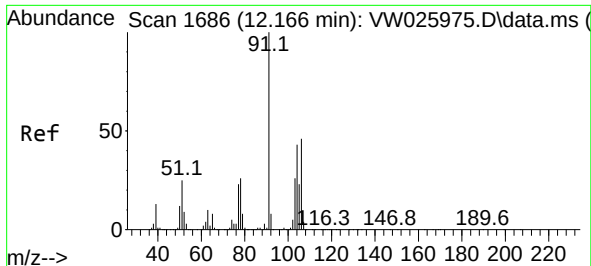
Tgt Ion: 91 Resp: 1256109  
Ion Ratio Lower Upper  
91 100  
106 30.1 20.8 38.6



#53  
m,p-Xylene  
Concen: 24.613 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion:106 Resp: 466256  
Ion Ratio Lower Upper  
106 100  
91 197.4 150.1 278.9

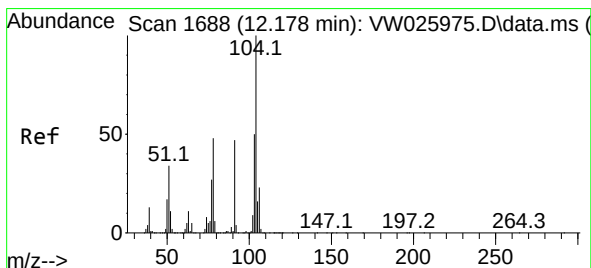
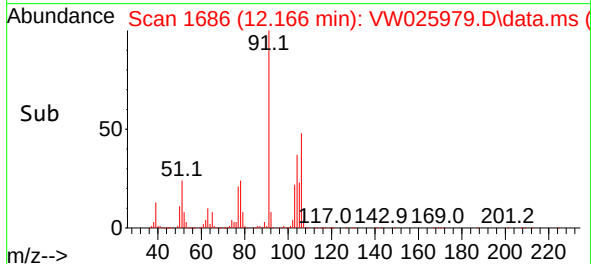
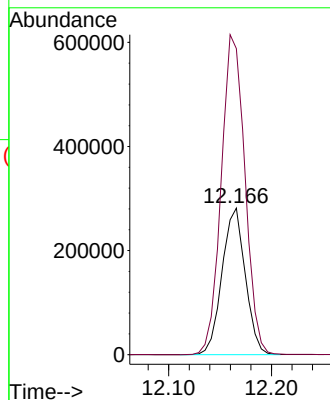
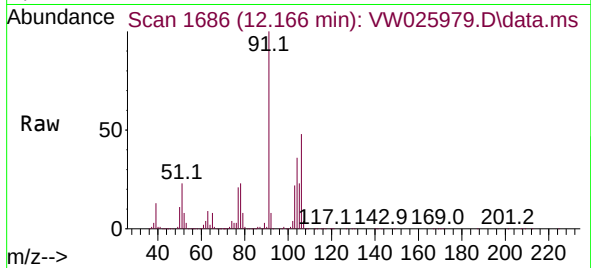




#54  
o-Xylene  
Concen: 24.734 ug/L  
RT: 12.166 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

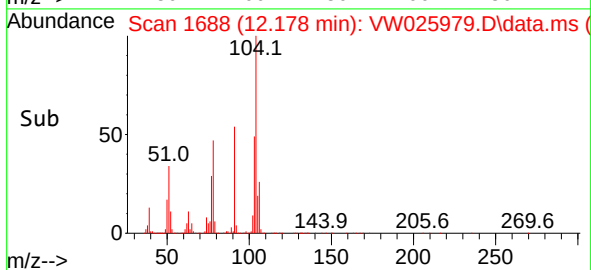
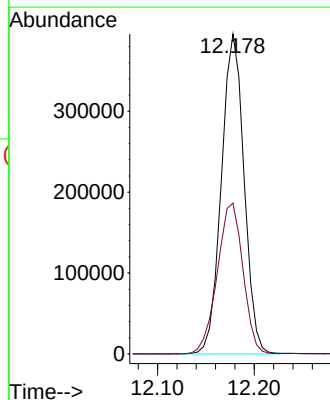
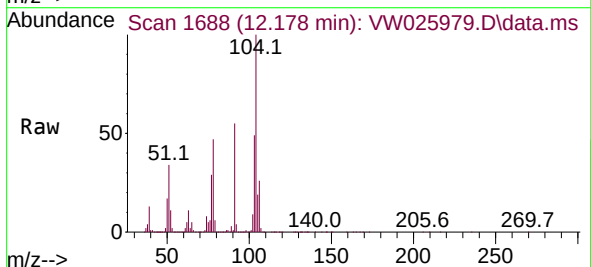
Instrument :  
MSVOA\_W  
ClientSampleId :  
GBW01MSD

Tgt Ion:106 Resp: 441634  
Ion Ratio Lower Upper  
106 100  
91 208.9 157.8 293.1

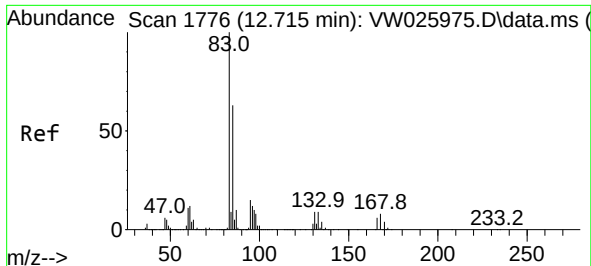


#55  
Styrene  
Concen: 21.008 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion:104 Resp: 642011  
Ion Ratio Lower Upper  
104 100  
78 47.2 33.4 62.0







#57

1,1,2,2-Tetrachloroethane

Concen: 29.345 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

Instrument :

MSVOA\_W

ClientSampleId :

GBW01MSD

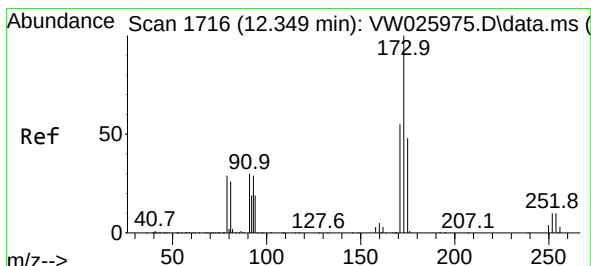
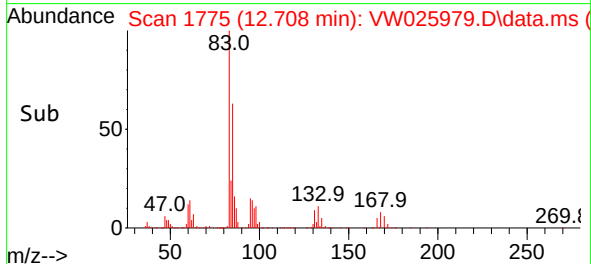
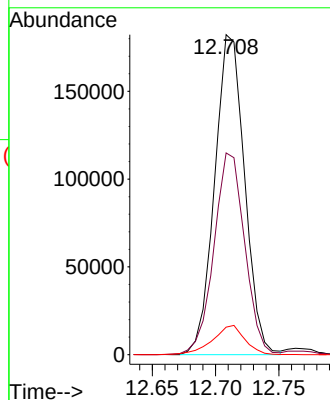
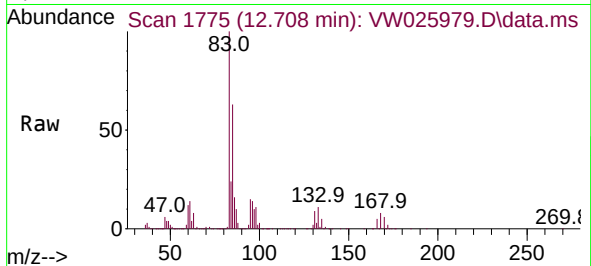
Tgt Ion: 83 Resp: 300503

Ion Ratio Lower Upper

83 100

85 63.0 45.6 84.8

131 8.6 8.1 12.1



#59

Bromoform

Concen: 27.864 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

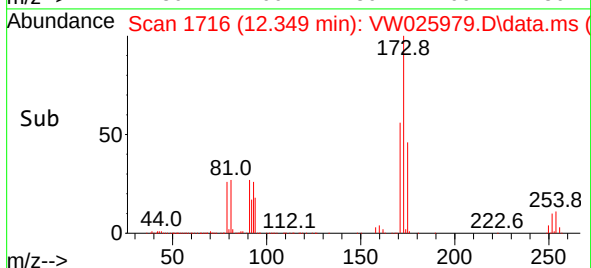
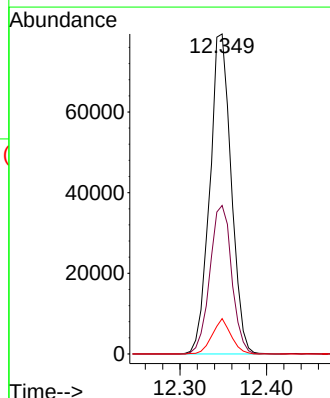
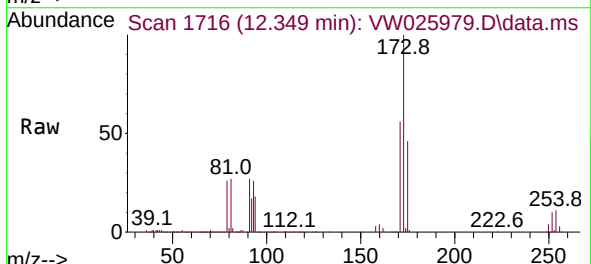
Tgt Ion:173 Resp: 136304

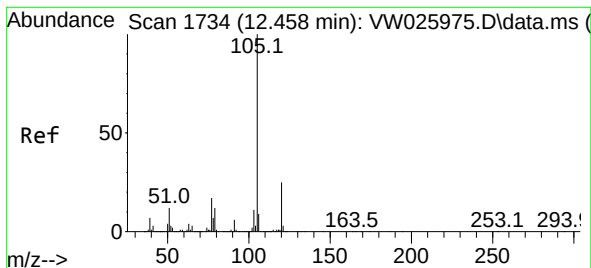
Ion Ratio Lower Upper

173 100

175 47.3 38.6 57.8

254 9.7 7.6 11.4





#60

Isopropylbenzene

Concen: 23.820 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

Instrument :

MSVOA\_W

ClientSampleId :

GBW01MSD

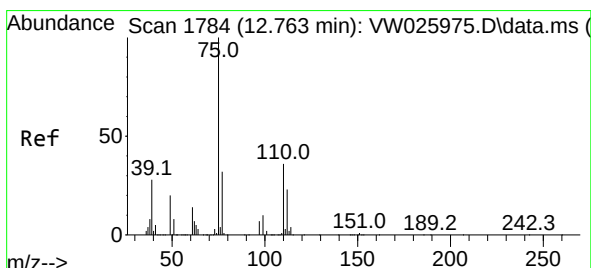
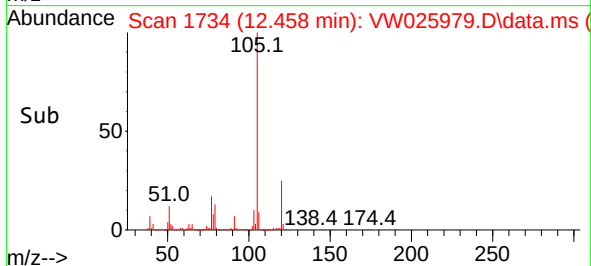
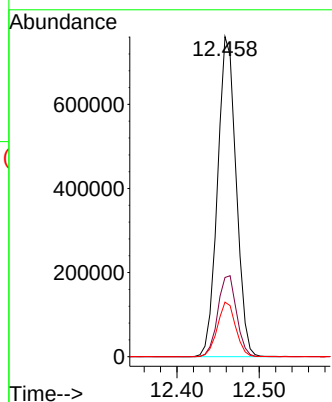
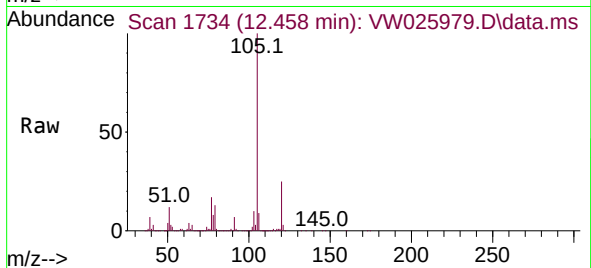
Tgt Ion:105 Resp: 1195781

Ion Ratio Lower Upper

105 100

120 25.5 21.1 31.7

77 16.7 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 27.797 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

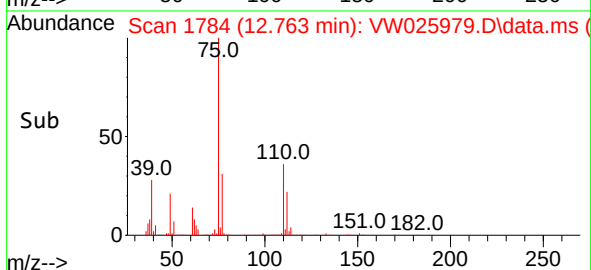
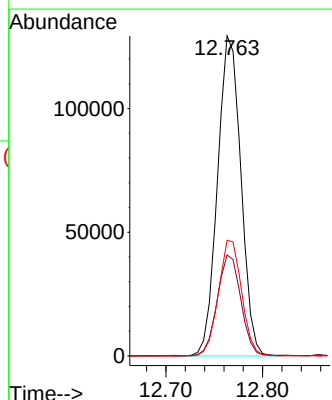
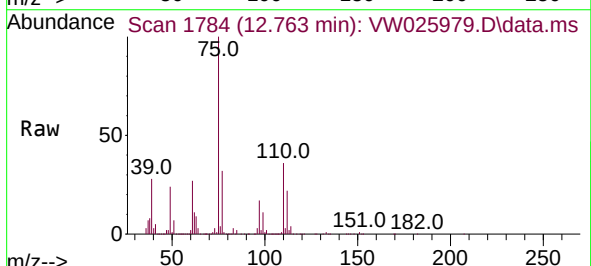
Tgt Ion: 75 Resp: 216956

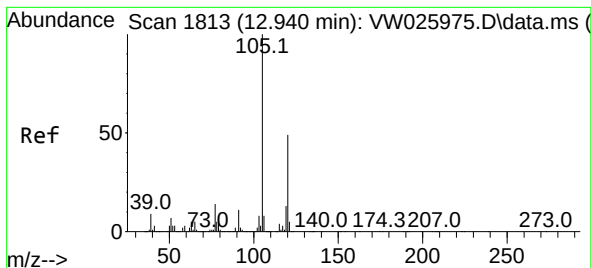
Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

110 35.9 27.6 41.4

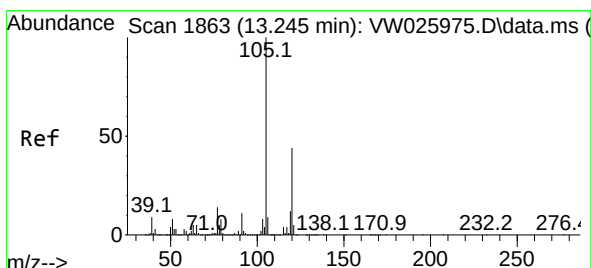
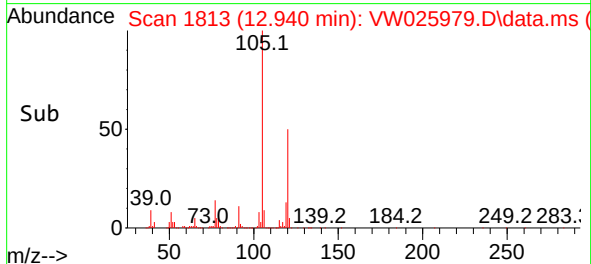
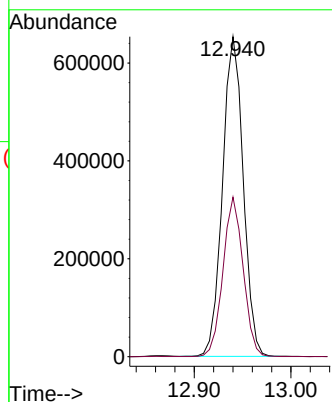
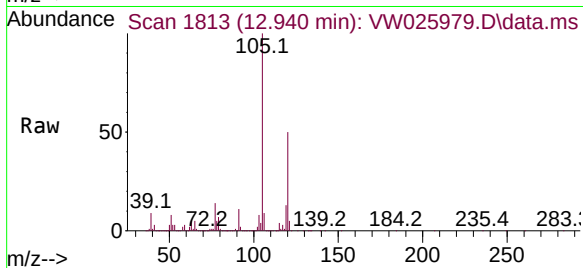




#62  
1,3,5-Trimethylbenzene  
Concen: 24.389 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

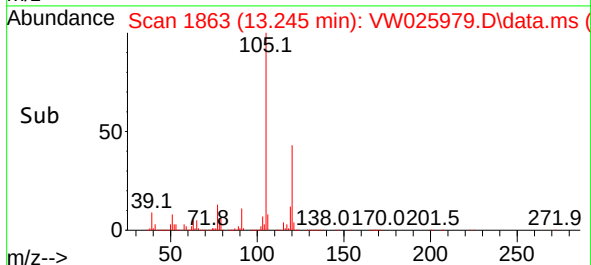
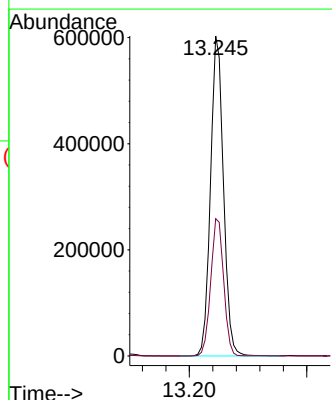
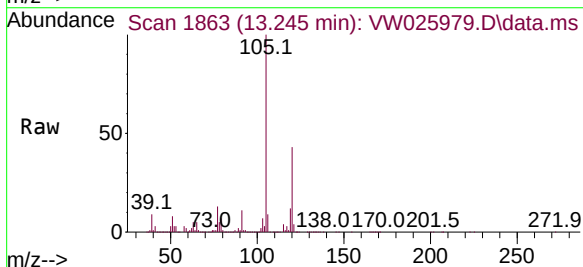
Instrument :  
MSVOA\_W  
ClientSampleId :  
GBW01MSD

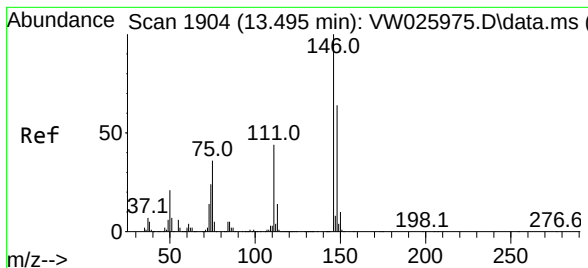
Tgt Ion:105 Resp: 969709  
Ion Ratio Lower Upper  
105 100  
120 48.7 37.1 55.7



#63  
1,2,4-Trimethylbenzene  
Concen: 25.151 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW025979.D  
Acq: 15 May 2023 13:01

Tgt Ion:105 Resp: 922817  
Ion Ratio Lower Upper  
105 100  
120 42.7 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 23.301 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

Instrument :

MSVOA\_W

ClientSampleId :

GBW01MSD

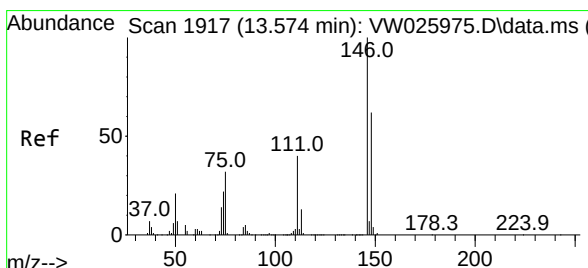
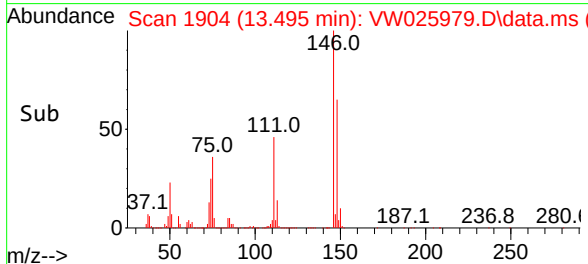
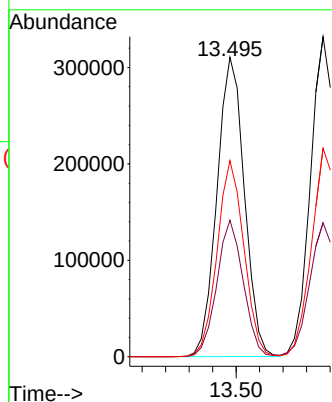
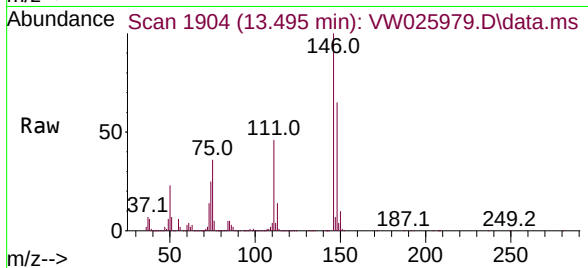
Tgt Ion:146 Resp: 503538

Ion Ratio Lower Upper

146 100

111 45.6 30.4 56.4

148 65.5 40.8 75.8



#65

1,4-Dichlorobenzene

Concen: 23.902 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

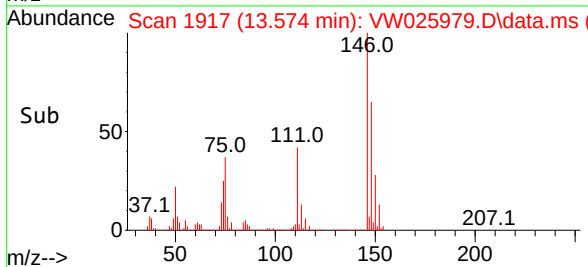
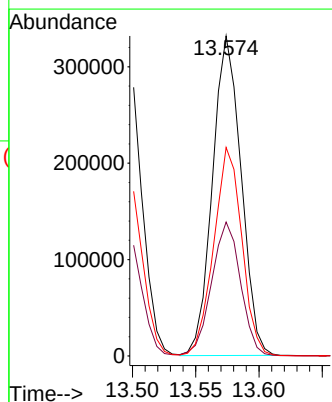
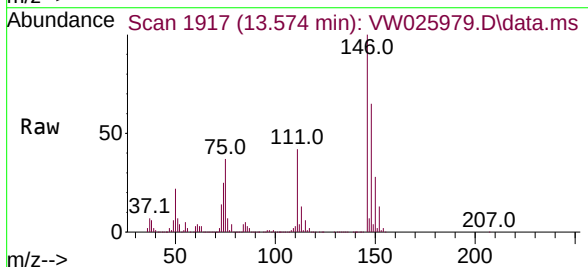
Tgt Ion:146 Resp: 521835

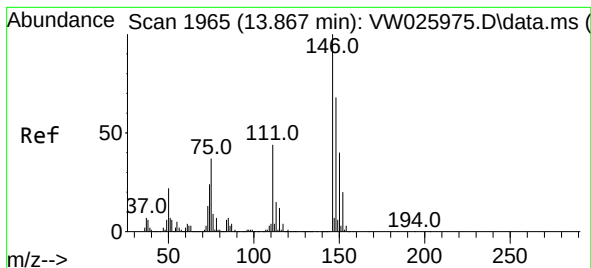
Ion Ratio Lower Upper

146 100

111 41.9 27.9 51.9

148 65.1 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 25.039 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

Instrument :

MSVOA\_W

ClientSampleId :

GBW01MSD

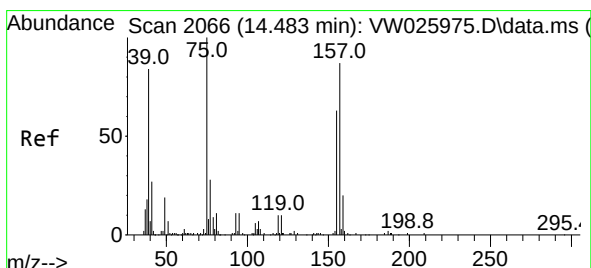
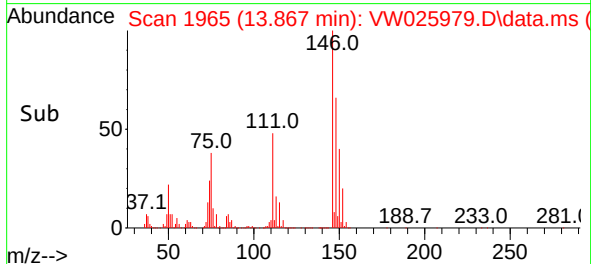
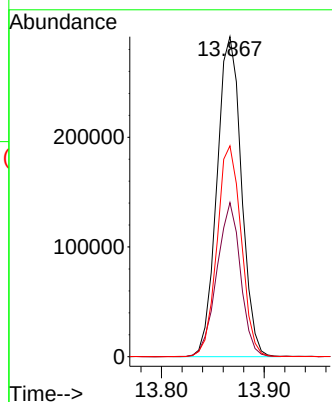
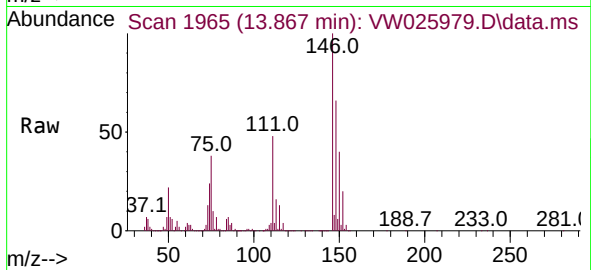
Tgt Ion:146 Resp: 482554

Ion Ratio Lower Upper

146 100

111 48.1 37.7 56.5

148 65.9 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 27.685 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

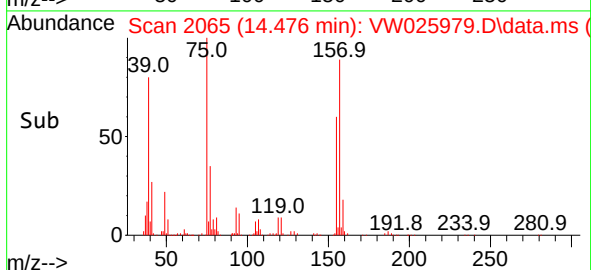
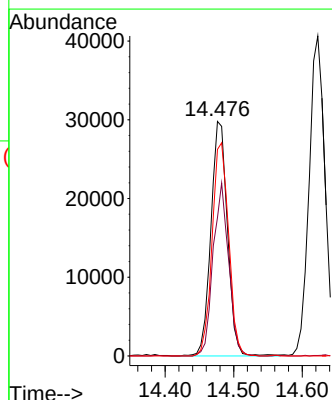
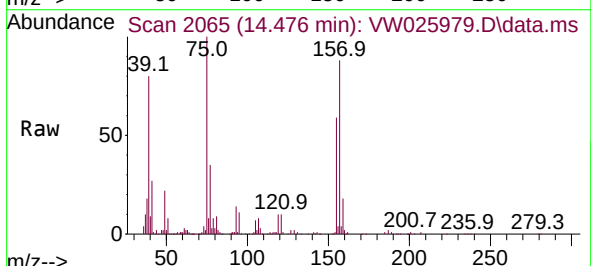
Tgt Ion: 75 Resp: 50107

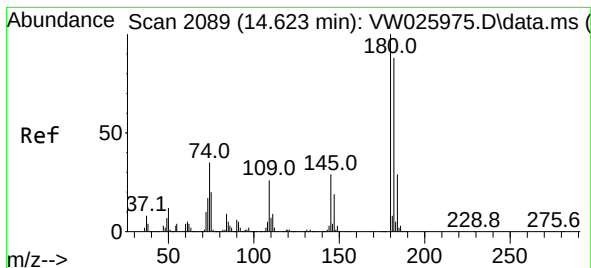
Ion Ratio Lower Upper

75 100

155 59.0 56.3 84.5

157 88.1 66.3 99.5

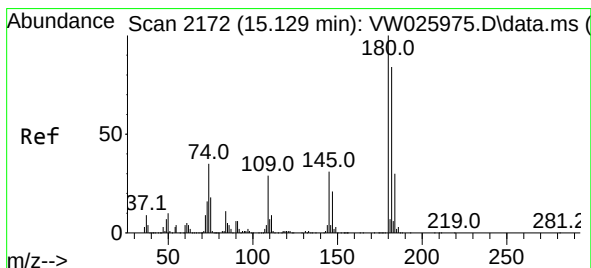
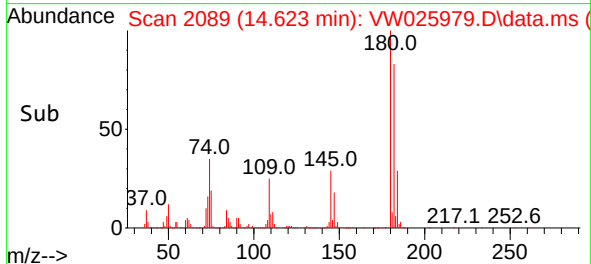
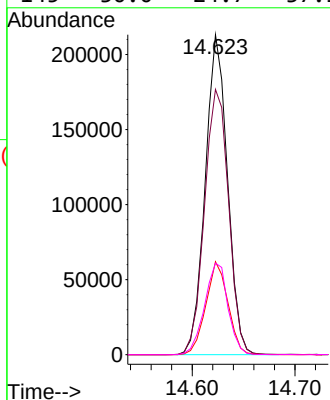
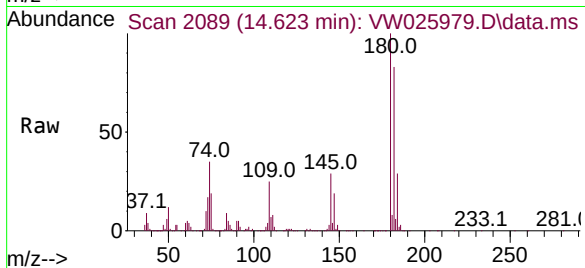




#69  
 1,3,5-Trichlorobenzene  
 Concen: 22.355 ug/L  
 RT: 14.623 min Scan# 2089  
 Delta R.T. -0.000 min  
 Lab File: VW025979.D  
 Acq: 15 May 2023 13:01

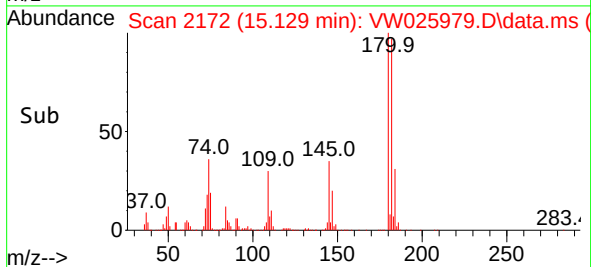
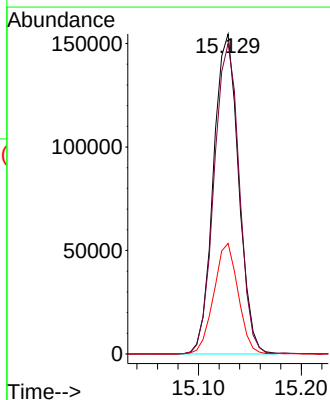
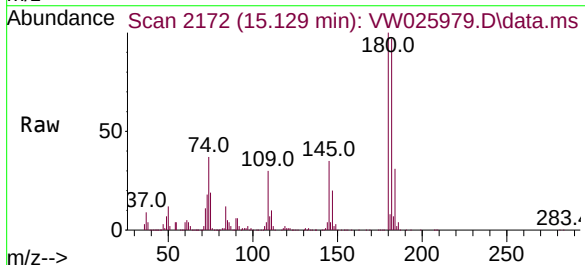
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GBW01MSD

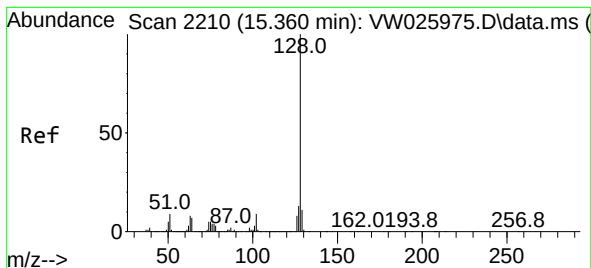
Tgt Ion:180 Resp: 320682  
 Ion Ratio Lower Upper  
 180 100  
 182 89.9 77.4 116.0  
 184 28.9 24.7 37.1  
 145 30.0 24.7 37.1



#70  
 1,2,4-trichlorobenzene  
 Concen: 21.883 ug/L  
 RT: 15.129 min Scan# 2172  
 Delta R.T. -0.000 min  
 Lab File: VW025979.D  
 Acq: 15 May 2023 13:01

Tgt Ion:180 Resp: 262978  
 Ion Ratio Lower Upper  
 180 100  
 182 97.0 74.3 111.5  
 145 33.5 25.4 38.0





#71

Naphthalene

Concen: 26.878 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

Instrument :

MSVOA\_W

ClientSampleId :

GBW01MSD

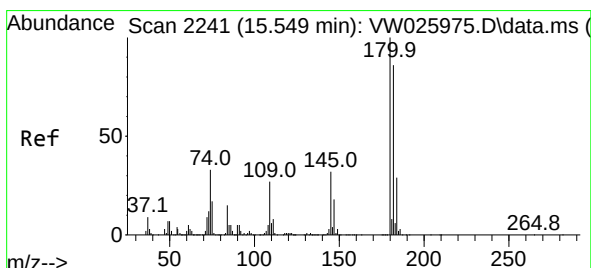
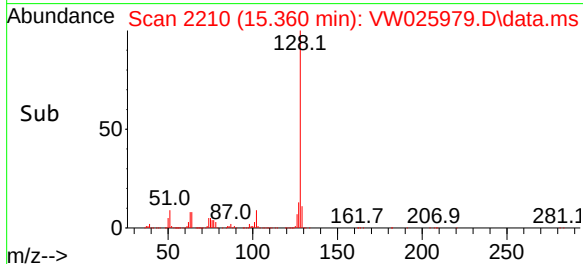
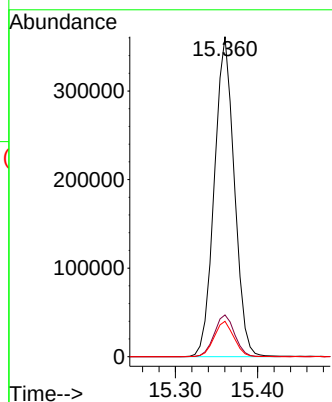
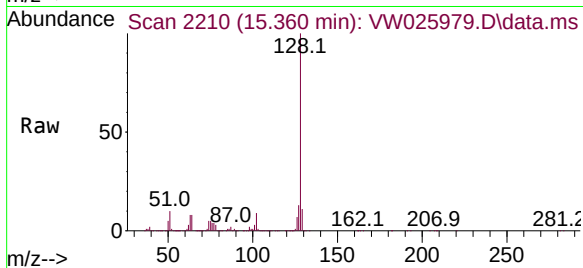
Tgt Ion:128 Resp: 609649

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.0 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 23.777 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW025979.D

Acq: 15 May 2023 13:01

Tgt Ion:180 Resp: 253534

Ion Ratio Lower Upper

180 100

182 96.6 76.1 114.1

145 35.5 28.0 42.0

