

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041723\  
 Data File : VW030587.D  
 Acq On : 17 Apr 2023 14:36  
 Operator : SY/MD  
 Sample : 02215-01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 18 02:48:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 18 02:45:56 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.545   | 114   | 261498   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792   | 117   | 253124   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194  | 152   | 127762   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281   | 65    | 87646    | 45.721   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 91.440%  |
| 7) Chloroethane-d5            | 1.539   | 69    | 70449    | 43.855   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 87.700%  |
| 11) 1,1-Dichloroethene-d2     | 2.066   | 65    | 40896    | 44.985   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 89.980%  |
| 21) 2-Butanone-d5             | 3.805   | 46    | 99345    | 94.352   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 94.350%  |
| 24) Chloroform-d              | 4.259   | 84    | 150477   | 43.315   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.620%  |
| 26) 1,2-Dichloroethane-d4     | 4.953   | 65    | 103583   | 46.377   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.760%  |
| 32) Benzene-d6                | 4.969   | 84    | 286973   | 47.952   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.900%  |
| 36) 1,2-Dichloropropane-d6    | 5.998   | 67    | 90215    | 48.530   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 97.060%  |
| 41) Toluene-d8                | 7.252   | 98    | 254288   | 45.256   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.520%  |
| 43) trans-1,3-Dichloroprop... | 7.561   | 79    | 43699    | 46.640   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.280%  |
| 47) 2-Hexanone-d5             | 8.034   | 63    | 64297    | 87.799   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 87.800%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162  | 84    | 116986   | 43.369   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 86.740%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.570  | 152   | 100935   | 49.704   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.400%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108   | 85    | 4644     | 2.066    | ug/L   | 100      |
| 3) Chloromethane              | 1.217   | 50    | 8141     | 2.760    | ug/L   | 95       |
| 5) Vinyl chloride             | 1.288   | 62    | 5415     | 2.277    | ug/L # | 78       |
| 6) Bromomethane               | 1.494   | 94    | 2747     | 2.914    | ug/L   | 97       |
| 8) Chloroethane               | 1.555   | 64    | 3688     | 2.261    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.719   | 101   | 7716     | 2.002    | ug/L   | 90       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.072   | 101   | 5511     | 2.721    | ug/L # | 82       |
| 14) Carbon disulfide          | 2.249   | 76    | 11795    | 2.281    | ug/L   | 97       |
| 15) Methyl Acetate            | 2.387   | 43    | 5252     | 2.416    | ug/L   | 96       |
| 16) Methylene chloride        | 2.455   | 84    | 7361     | 3.513    | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 2.706   | 96    | 3843     | 2.079    | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 2.712   | 73    | 11124    | 1.879    | ug/L # | 90       |
| 19) 1,1-Dichloroethane        | 3.121   | 63    | 8211     | 2.179    | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 3.818   | 96    | 1480     | 0.736    | ug/L   | 95       |
| 23) Bromochloromethane        | 4.166   | 128   | 2267     | 2.019    | ug/L # | 86       |
| 25) Chloroform                | 4.288   | 83    | 8204     | 2.103    | ug/L   | 90       |
| 27) 1,2-Dichloroethane        | 5.066   | 62    | 6491     | 1.966    | ug/L # | 95       |
| 29) Cyclohexane               | 4.593   | 56    | 6640     | 2.186    | ug/L   | 85       |
| 30) 1,1,1-Trichloroethane     | 4.532   | 97    | 7630     | 2.145    | ug/L # | 90       |

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 Sample : 02215-01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 18 02:48:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 18 02:45:56 2023  
 Response via : Initial Calibration

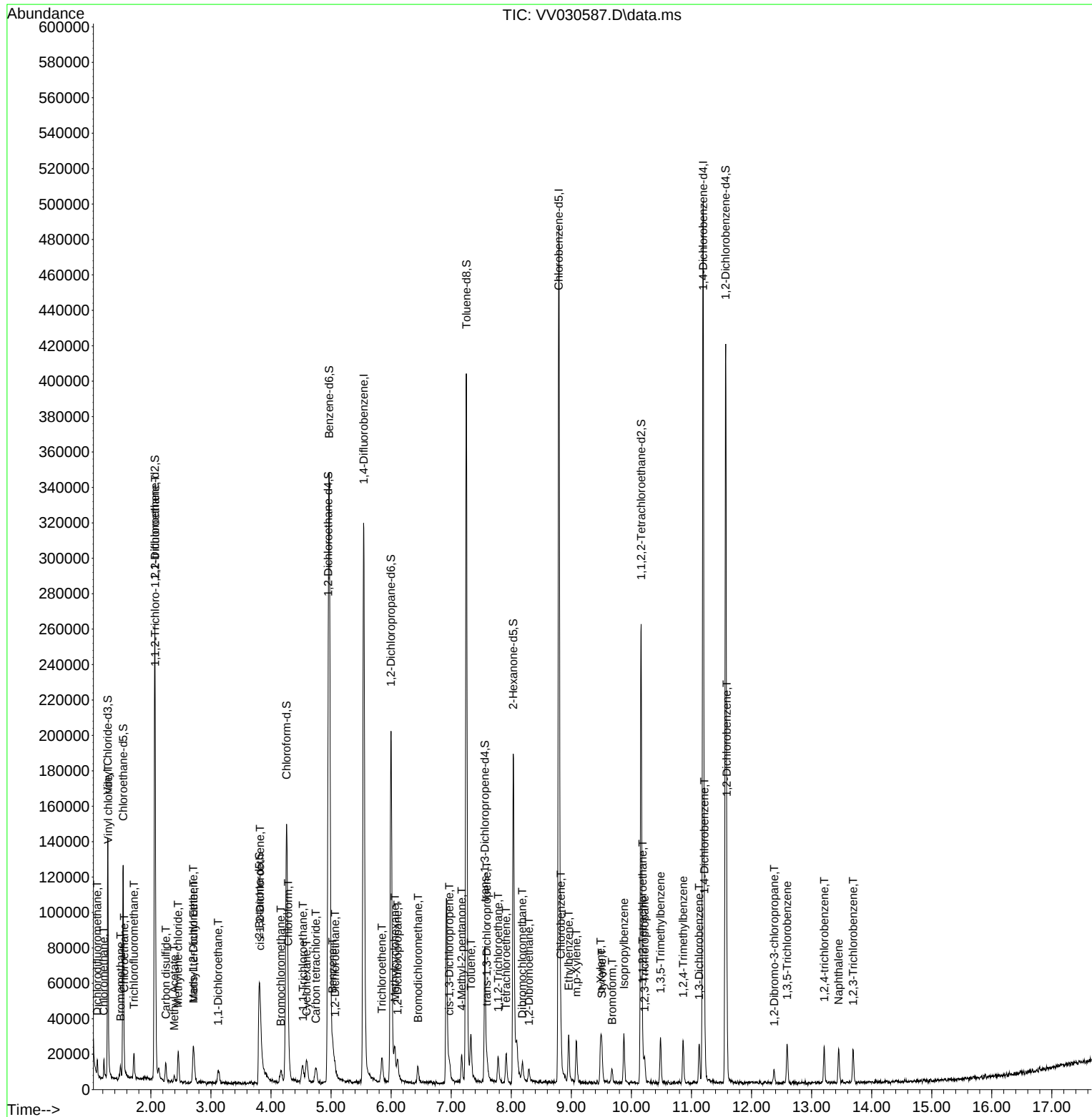
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 31) Carbon tetrachloride      | 4.748  | 117  | 5943     | 1.869 | ug/L   | 83       |
| 33) Benzene                   | 5.024  | 78   | 16266    | 2.116 | ug/L   | 100      |
| 34) Trichloroethene           | 5.847  | 95   | 4752     | 2.377 | ug/L   | 92       |
| 35) Methylcyclohexane         | 6.063  | 83   | 6881     | 2.196 | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.108  | 63   | 4915     | 2.376 | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.448  | 83   | 6144     | 2.114 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.969  | 75   | 6967     | 2.244 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.175  | 43   | 10234    | 3.541 | ug/L   | 96       |
| 42) Toluene                   | 7.329  | 91   | 16657    | 2.023 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.590  | 75   | 6021     | 1.974 | ug/L   | 93       |
| 45) 1,1,2-Trichloroethane     | 7.780  | 97   | 4448     | 2.144 | ug/L   | 98       |
| 46) Tetrachloroethene         | 7.915  | 164  | 3924     | 2.242 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.185  | 129  | 4742     | 2.072 | ug/L   | 85       |
| 50) 1,2-Dibromoethane         | 8.294  | 107  | 4366     | 2.031 | ug/L # | 96       |
| 51) Chlorobenzene             | 8.825  | 112  | 11414    | 2.093 | ug/L   | 96       |
| 52) Ethylbenzene              | 8.956  | 91   | 17555    | 1.926 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.085  | 106  | 6607     | 1.919 | ug/L   | 99       |
| 54) o-Xylene                  | 9.487  | 106  | 5902     | 1.752 | ug/L   | 95       |
| 55) Styrene                   | 9.509  | 104  | 9921     | 1.677 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 10.188 | 83   | 7030     | 2.064 | ug/L   | 92       |
| 59) Bromoform                 | 9.677  | 173  | 3880     | 2.426 | ug/L # | 94       |
| 60) Isopropylbenzene          | 9.876  | 105  | 15618    | 1.960 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 10.220 | 75   | 5694     | 2.488 | ug/L # | 94       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 12295    | 1.874 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.863 | 105  | 12924    | 1.973 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 11.127 | 146  | 8668     | 2.173 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 9277     | 2.205 | ug/L   | 90       |
| 67) 1,2-Dichlorobenzene       | 11.586 | 146  | 9375     | 2.330 | ug/L   | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 12.377 | 75   | 1834     | 2.705 | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.593 | 180  | 6560     | 2.177 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.210 | 180  | 5553     | 2.170 | ug/L   | 99       |
| 71) Naphthalene               | 13.451 | 128  | 14383    | 2.055 | ug/L # | 96       |
| 72) 1,2,3-Trichlorobenzene    | 13.692 | 180  | 5410     | 2.132 | ug/L   | 98       |

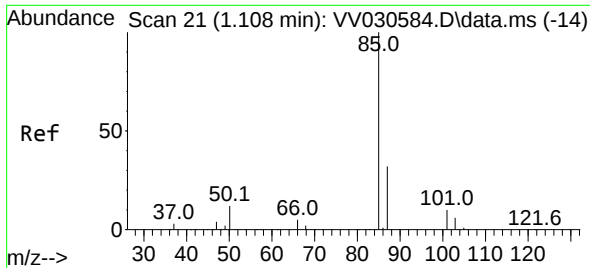
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV041723\  
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Sample : 02215-01  
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ALS Vial : 12 Sample Multiplier: 1

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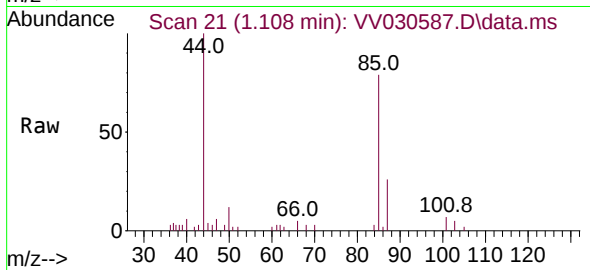
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 18 02:45:56 2023  
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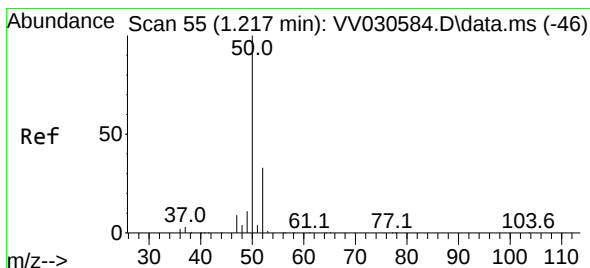
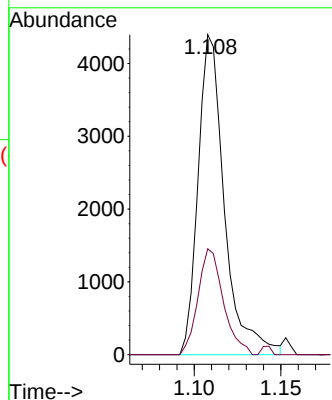
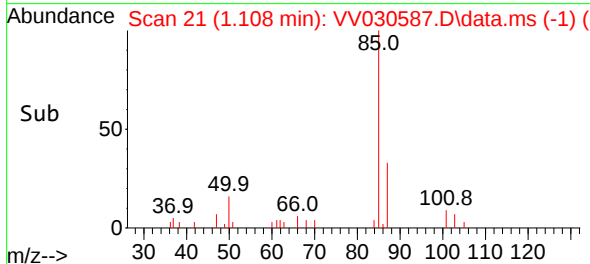


#2  
 Dichlorodifluoromethane  
 Concen: 2.066 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV030587.D  
 Acq: 17 Apr 2023 14:36

Instrument :  
 MSVOA\_V  
 ClientSampleId :

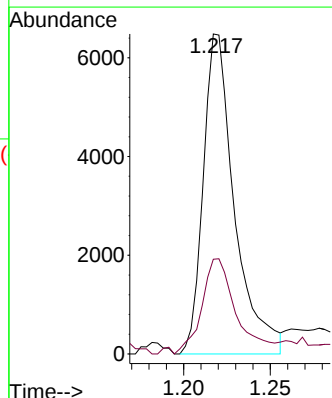
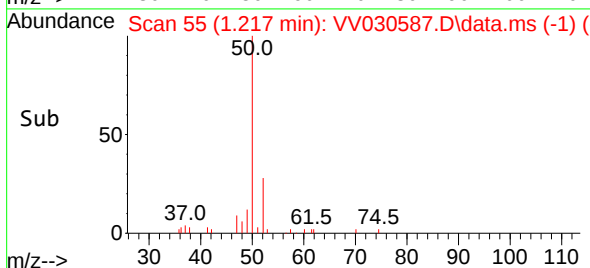
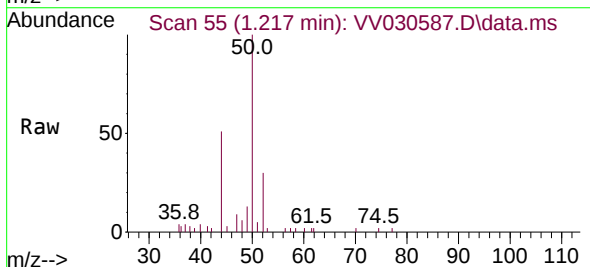


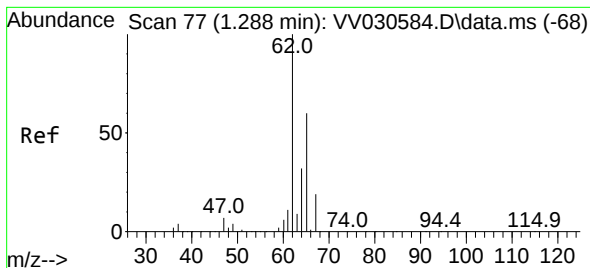
Tgt Ion: 85 Resp: 4644  
 Ion Ratio Lower Upper  
 85 100  
 87 31.8 25.6 38.4



#3  
 Chloromethane  
 Concen: 2.760 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VV030587.D  
 Acq: 17 Apr 2023 14:36

Tgt Ion: 50 Resp: 8141  
 Ion Ratio Lower Upper  
 50 100  
 52 29.6 22.5 41.9





#5

Vinyl chloride

Concen: 2.277 ug/L

RT: 1.288 min Scan# 77

Delta R.T. -0.000 min

Lab File: VV030587.D

Acq: 17 Apr 2023 14:36

Instrument :

MSVOA\_V

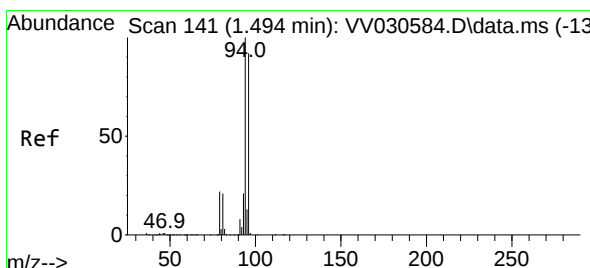
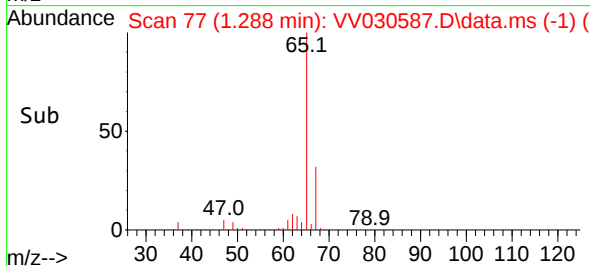
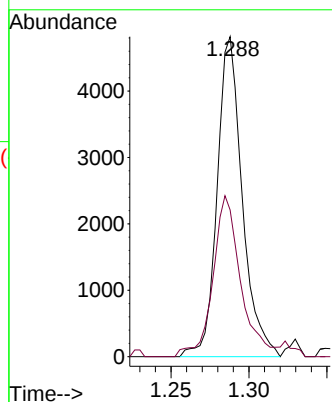
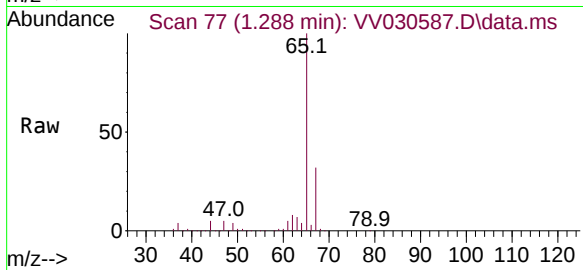
ClientSampleId :

Tgt Ion: 62 Resp: 5415

Ion Ratio Lower Upper

62 100

64 45.8 23.4 43.4#



#6

Bromomethane

Concen: 2.914 ug/L

RT: 1.494 min Scan# 141

Delta R.T. -0.000 min

Lab File: VV030587.D

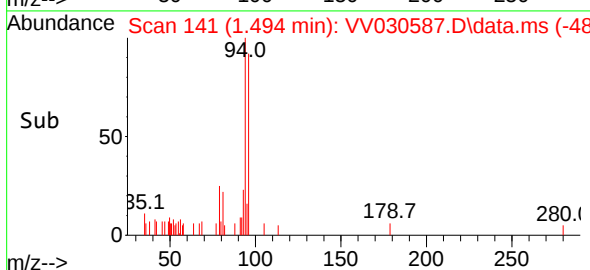
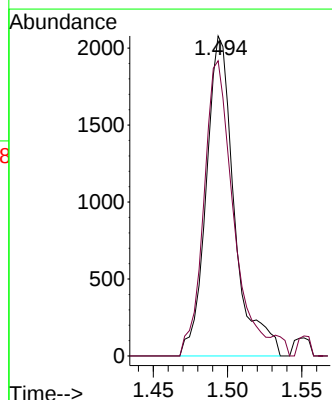
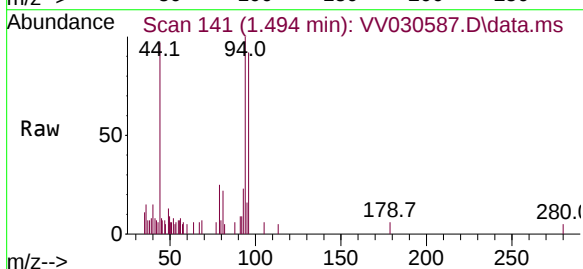
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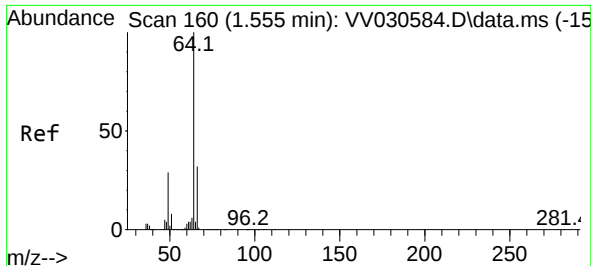
Tgt Ion: 94 Resp: 2747

Ion Ratio Lower Upper

94 100

96 92.3 66.3 123.1

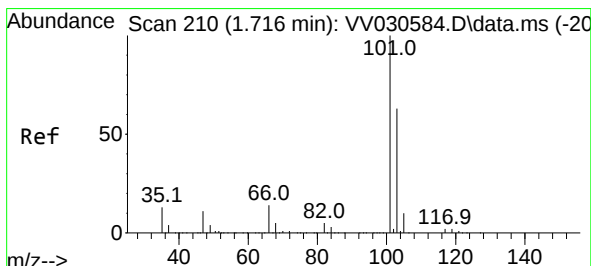
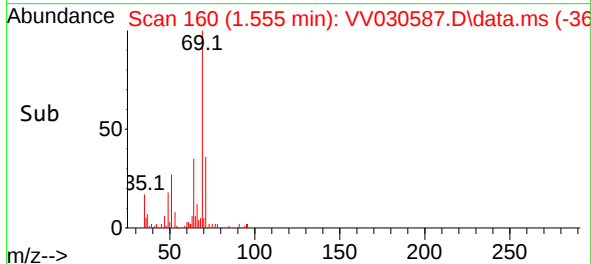
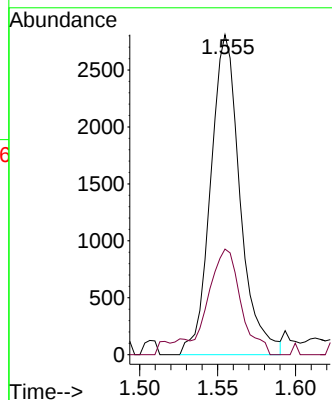
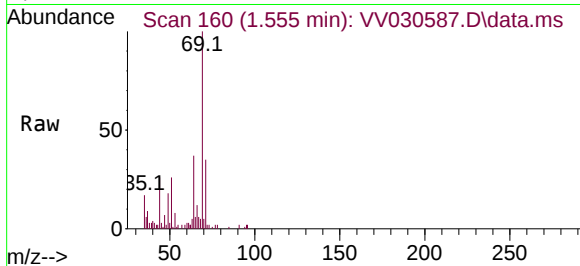




#8  
Chloroethane  
Concen: 2.261 ug/L  
RT: 1.555 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

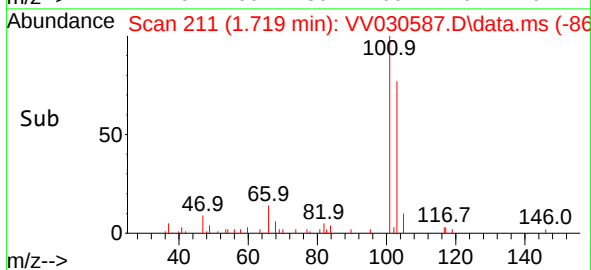
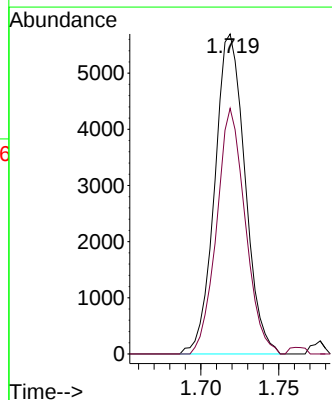
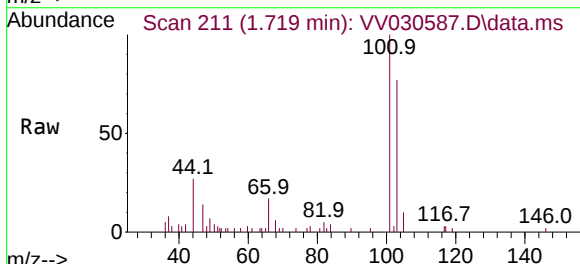
Instrument :  
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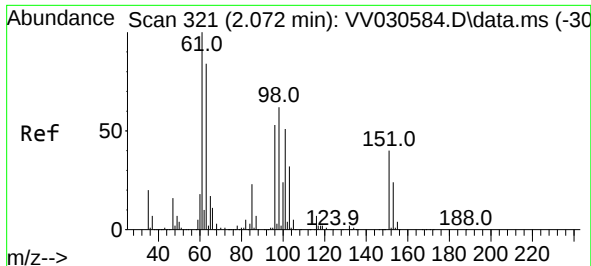
Tgt Ion: 64 Resp: 3688  
Ion Ratio Lower Upper  
64 100  
66 33.0 22.7 42.3



#9  
Trichlorofluoromethane  
Concen: 2.002 ug/L  
RT: 1.719 min Scan# 211  
Delta R.T. 0.003 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

Tgt Ion:101 Resp: 7716  
Ion Ratio Lower Upper  
101 100  
103 72.4 51.4 77.0





#10

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

Concen: 2.721 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030587.D

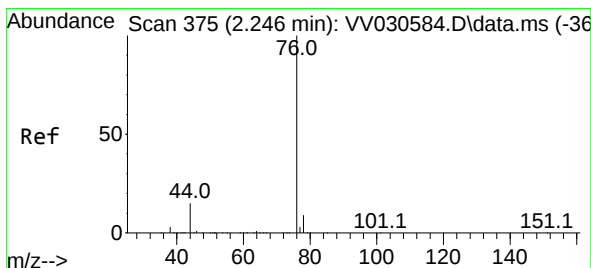
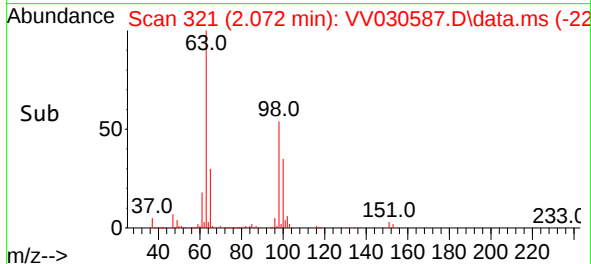
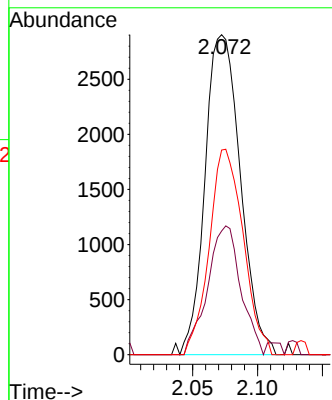
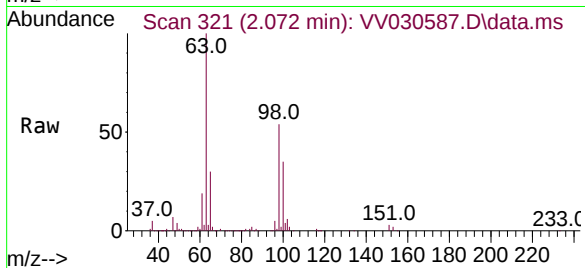
Acq: 17 Apr 2023 14:36

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 5511  |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 37.7  | 37.5  | 56.3  |
| 151      | 61.6  | 63.5  | 95.3# |



#14

Carbon disulfide

Concen: 2.281 ug/L

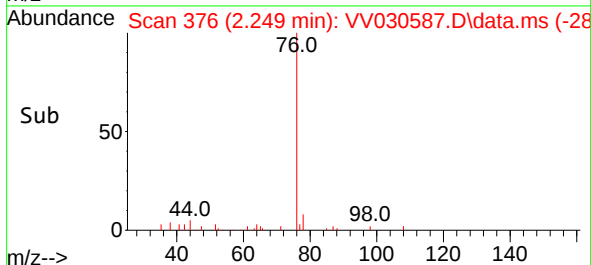
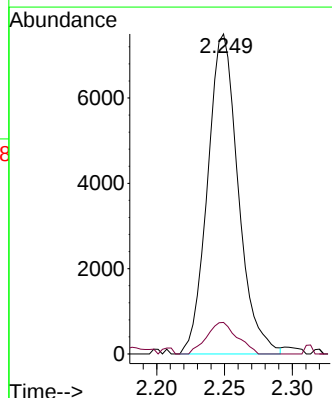
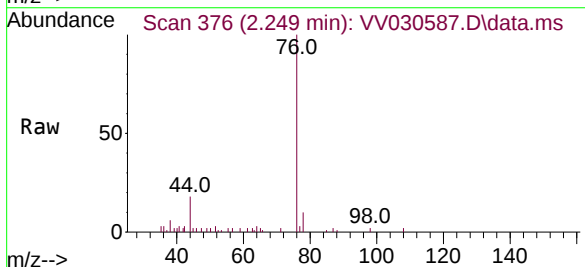
RT: 2.249 min Scan# 376

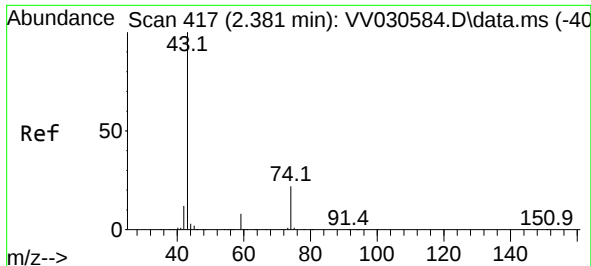
Delta R.T. 0.003 min

Lab File: VV030587.D

Acq: 17 Apr 2023 14:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 76    | Resp: | 11795 |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 78       | 9.9   | 7.0   | 10.4  |

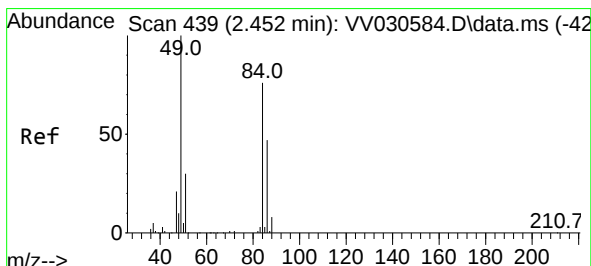
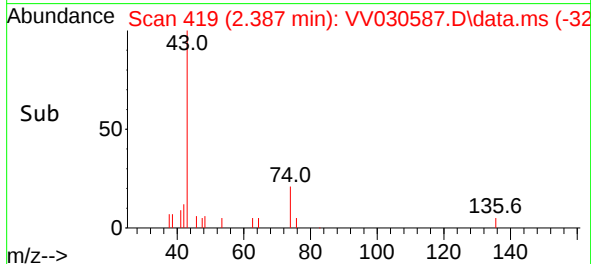
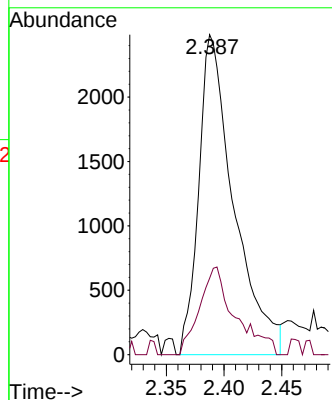
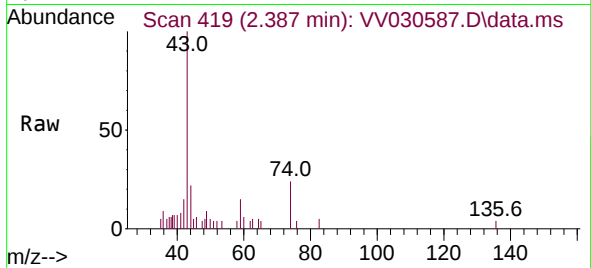




#15  
Methyl Acetate  
Concen: 2.416 ug/L  
RT: 2.387 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

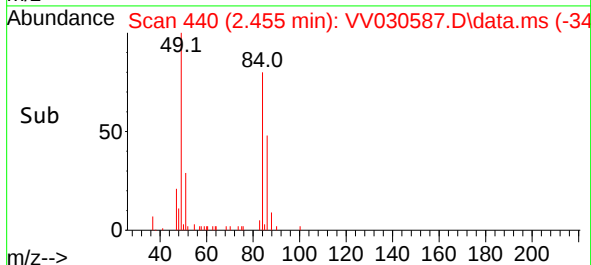
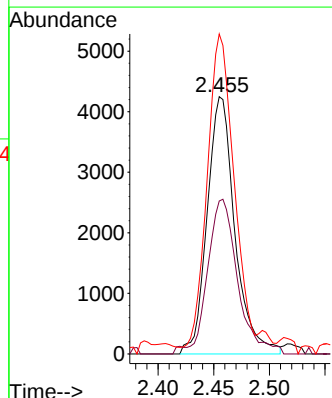
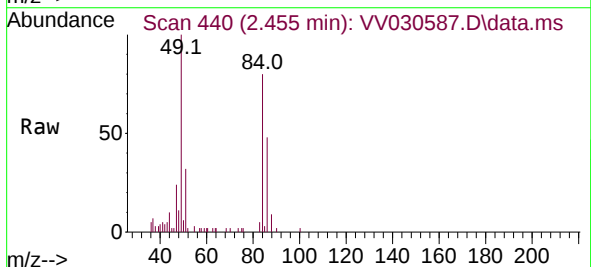
Instrument :  
MSVOA\_V  
ClientSampleId :

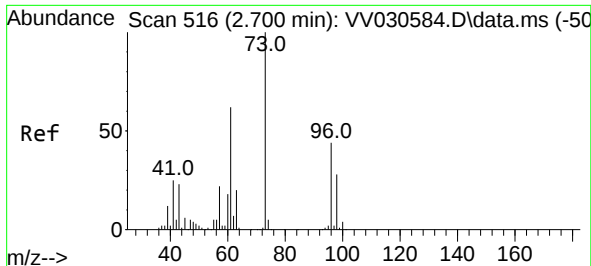
Tgt Ion: 43 Resp: 5252  
Ion Ratio Lower Upper  
43 100  
74 24.1 17.7 26.5



#16  
Methylene chloride  
Concen: 3.513 ug/L  
RT: 2.455 min Scan# 440  
Delta R.T. 0.003 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

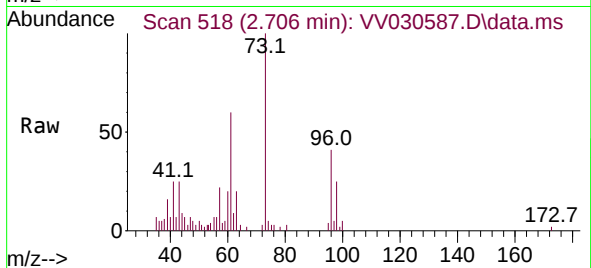
Tgt Ion: 84 Resp: 7361  
Ion Ratio Lower Upper  
84 100  
86 59.4 45.4 84.2  
49 124.4 90.4 168.0



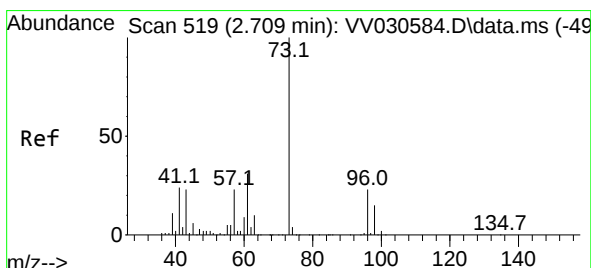
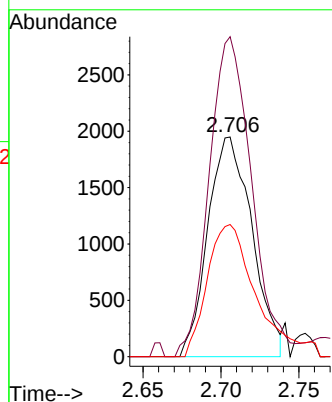
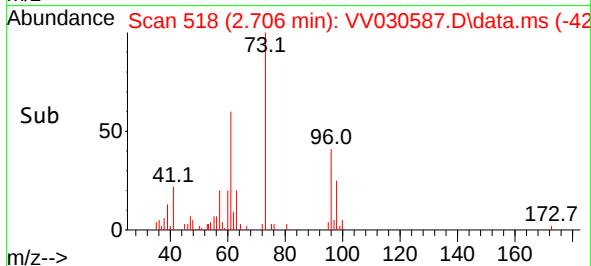


#17  
trans-1,2-Dichloroethene  
Concen: 2.079 ug/L  
RT: 2.706 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

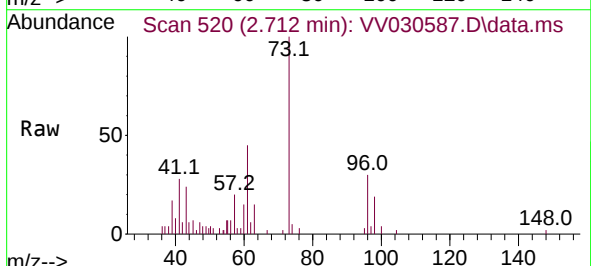
Instrument :  
MSVOA\_V  
ClientSampleId :



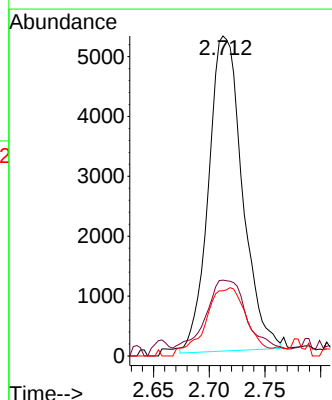
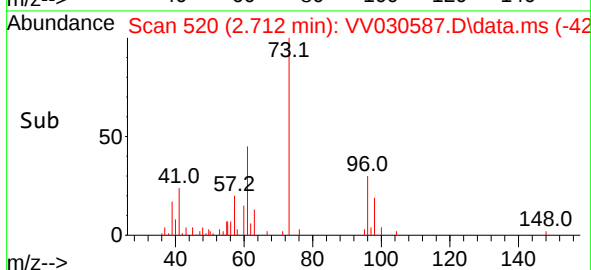
Tgt Ion: 96 Resp: 3843  
Ion Ratio Lower Upper  
96 100  
61 145.7 101.0 187.6  
98 60.1 45.4 84.2

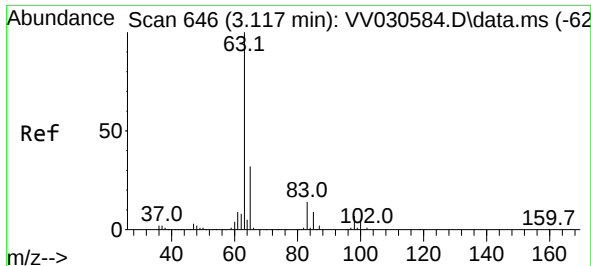


#18  
Methyl tert-butyl Ether  
Concen: 1.879 ug/L  
RT: 2.712 min Scan# 520  
Delta R.T. 0.003 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36



Tgt Ion: 73 Resp: 11124  
Ion Ratio Lower Upper  
73 100  
43 28.2 17.6 26.4#  
57 26.4 18.2 27.2





#19

1,1-Dichloroethane

Concen: 2.179 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

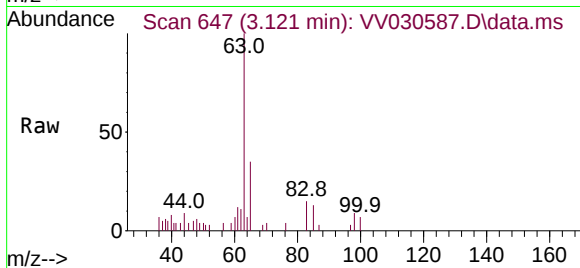
Lab File: VV030587.D

Acq: 17 Apr 2023 14:36

Instrument :

MSVOA\_V

ClientSampleId :



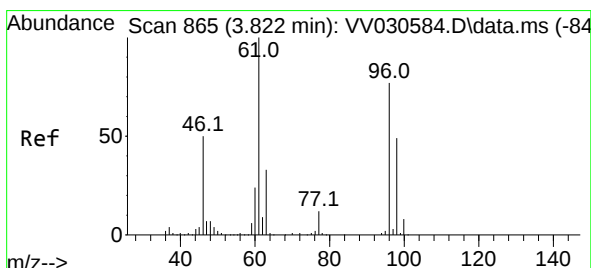
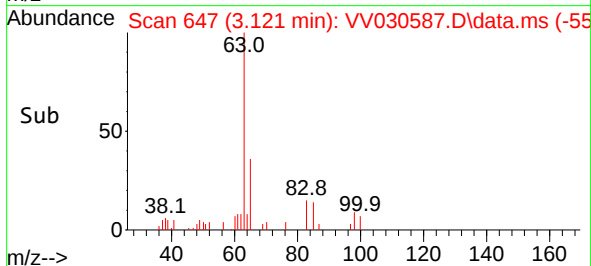
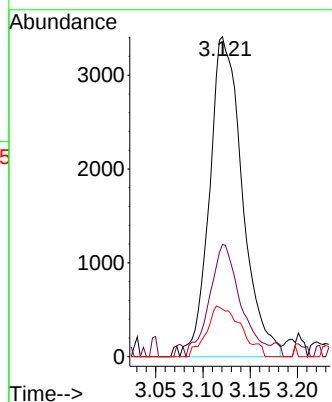
Tgt Ion: 63 Resp: 8211

Ion Ratio Lower Upper

63 100

65 35.1 21.8 40.6

83 14.8 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 0.736 ug/L

RT: 3.818 min Scan# 864

Delta R.T. -0.003 min

Lab File: VV030587.D

Acq: 17 Apr 2023 14:36

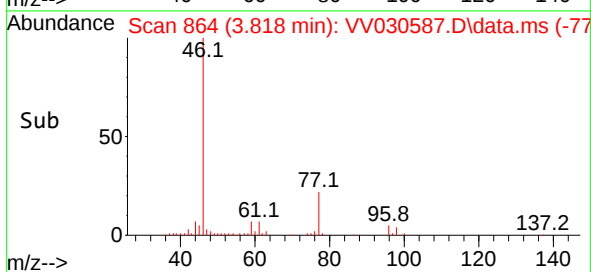
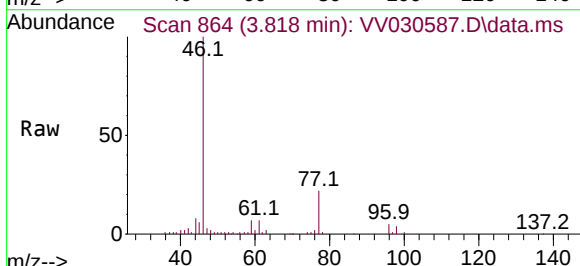
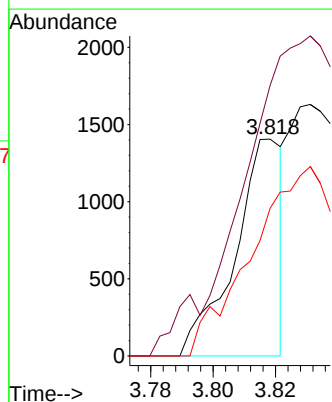
Tgt Ion: 96 Resp: 1480

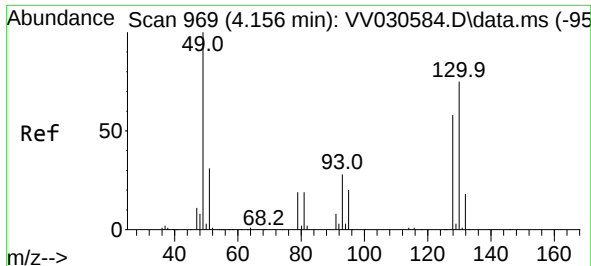
Ion Ratio Lower Upper

96 100

61 124.8 92.3 171.3

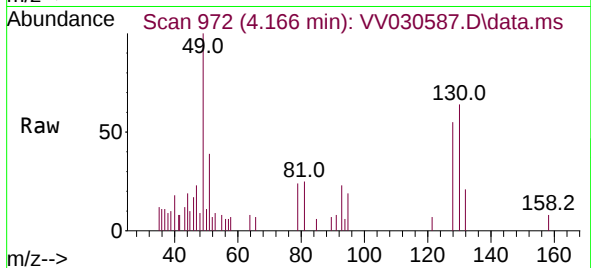
98 68.1 45.9 85.3



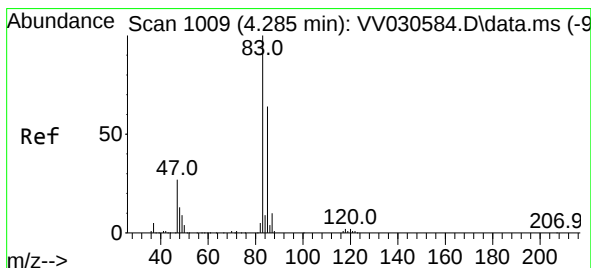
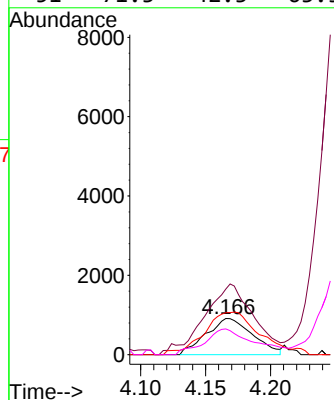
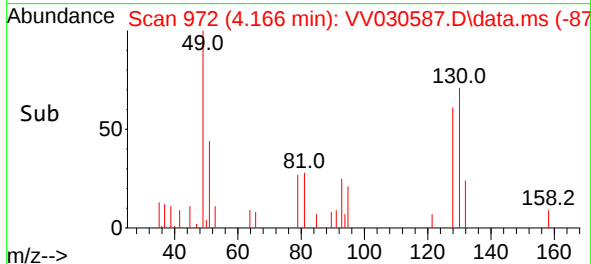


#23  
Bromochloromethane  
Concen: 2.019 ug/L  
RT: 4.166 min Scan# 91  
Delta R.T. 0.010 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

Instrument :  
MSVOA\_V  
ClientSampleId :

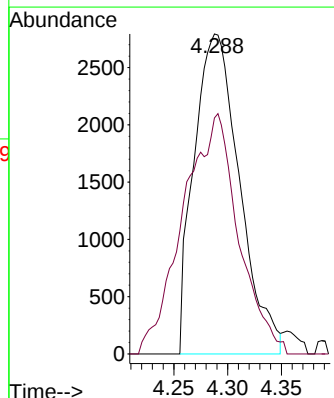
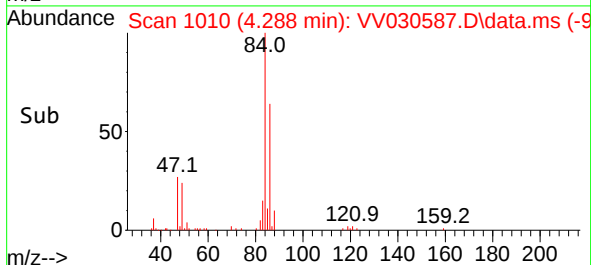
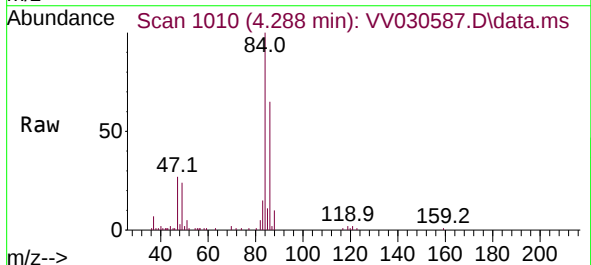


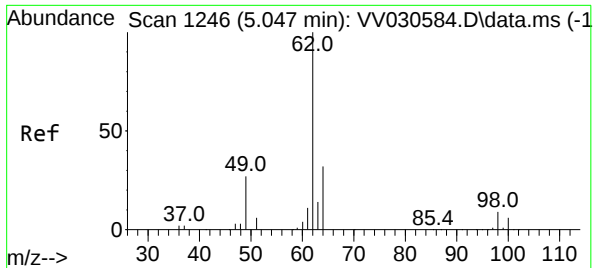
Tgt Ion:128 Resp: 2267  
Ion Ratio Lower Upper  
128 100  
49 181.8 114.7 213.1  
130 116.3 89.0 165.2  
51 71.3 42.3 63.5#



#25  
Chloroform  
Concen: 2.103 ug/L  
RT: 4.288 min Scan# 1010  
Delta R.T. 0.003 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

Tgt Ion: 83 Resp: 8204  
Ion Ratio Lower Upper  
83 100  
85 73.7 45.8 85.2

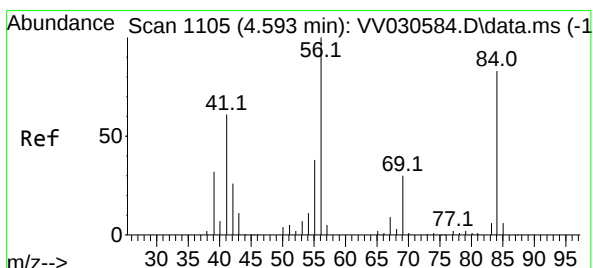
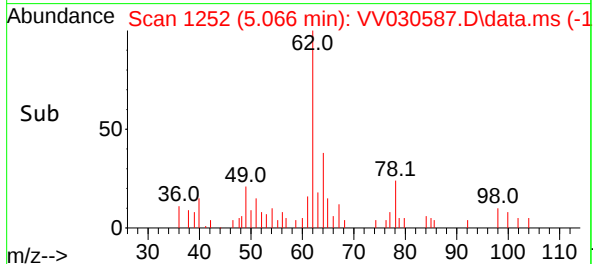
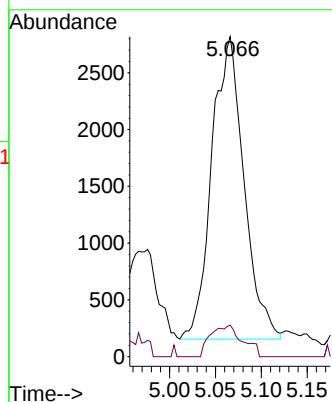
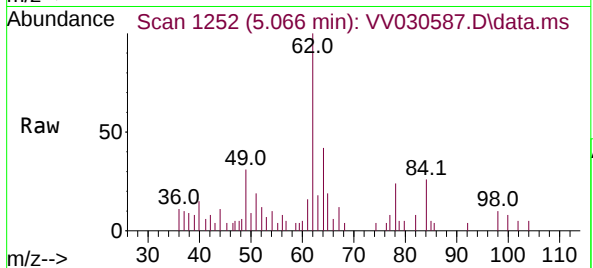




#27  
1,2-Dichloroethane  
Concen: 1.966 ug/L  
RT: 5.066 min Scan# 1105  
Delta R.T. 0.019 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

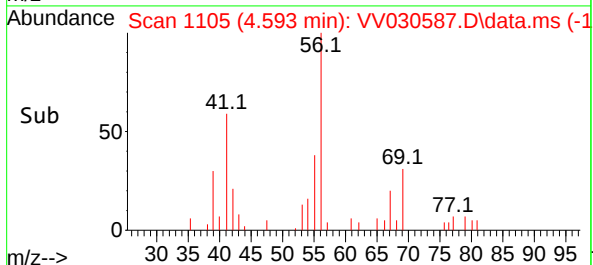
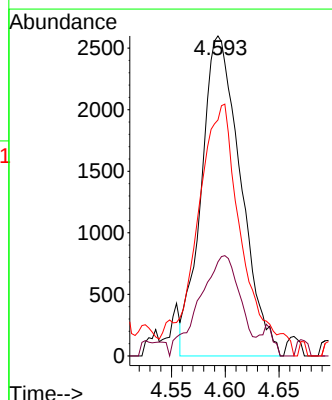
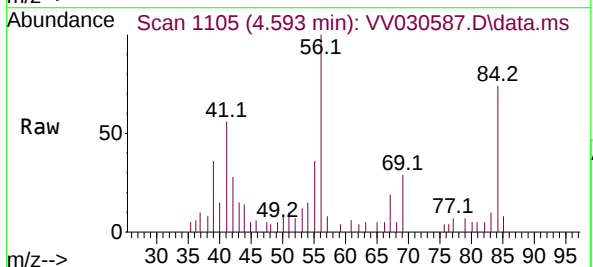
Instrument :  
MSVOA\_V  
ClientSampleId :

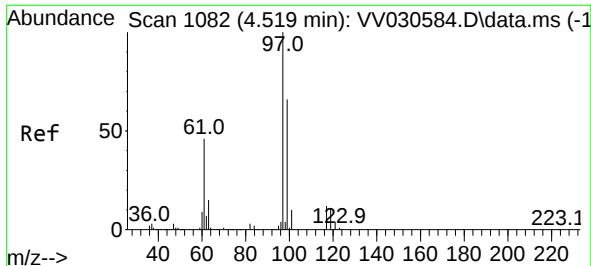
Tgt Ion: 62 Resp: 6491  
Ion Ratio Lower Upper  
62 100  
98 9.8 6.4 9.6#



#29  
Cyclohexane  
Concen: 2.186 ug/L  
RT: 4.593 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

Tgt Ion: 56 Resp: 6640  
Ion Ratio Lower Upper  
56 100  
69 32.4 24.0 36.0  
84 68.4 68.2 102.2

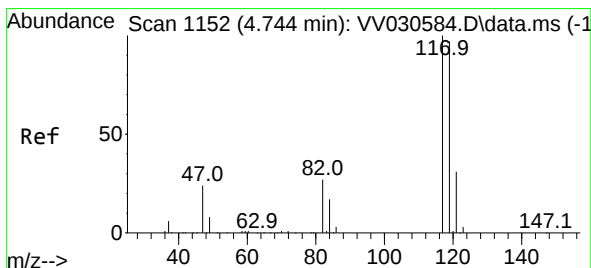
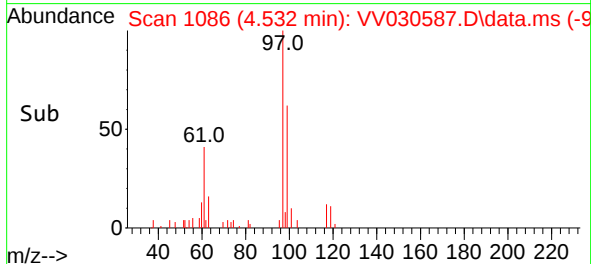
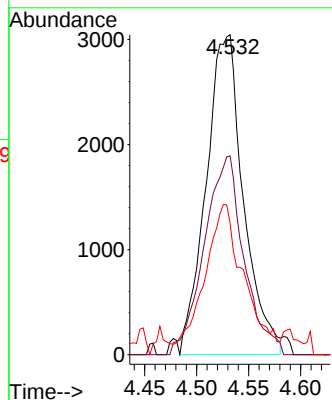
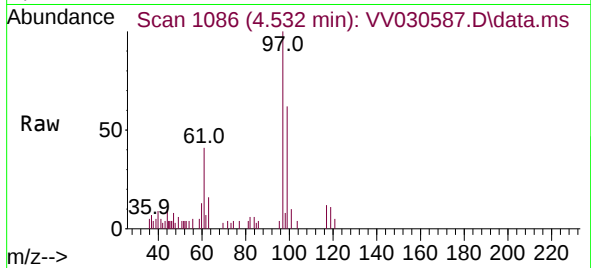




#30  
1,1,1-Trichloroethane  
Concen: 2.145 ug/L  
RT: 4.532 min Scan# 1086  
Delta R.T. 0.013 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

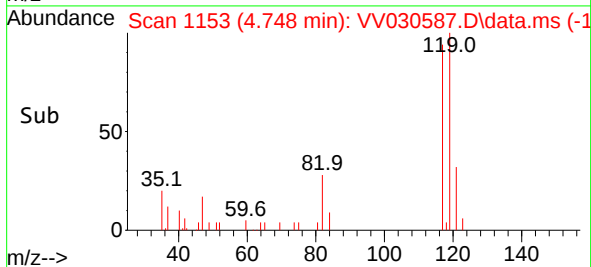
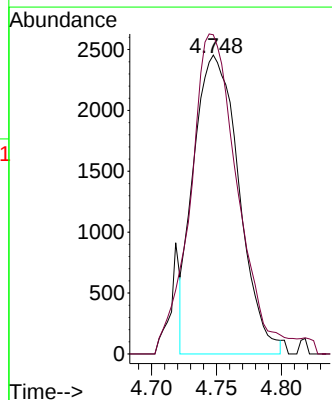
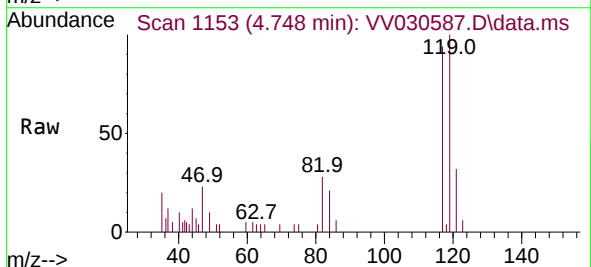
Instrument :  
MSVOA\_V  
ClientSampleId :

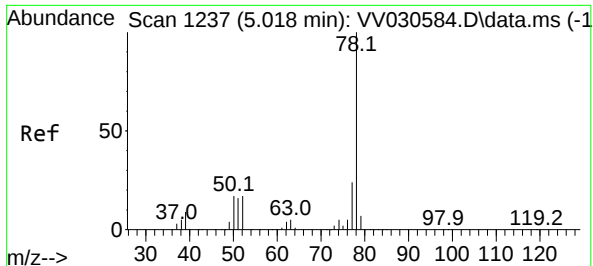
Tgt Ion: 97 Resp: 7630  
Ion Ratio Lower Upper  
97 100  
99 65.8 51.4 77.0  
61 31.8 37.0 55.6#



#31  
Carbon tetrachloride  
Concen: 1.869 ug/L  
RT: 4.748 min Scan# 1153  
Delta R.T. 0.003 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

Tgt Ion: 117 Resp: 5943  
Ion Ratio Lower Upper  
117 100  
119 111.8 75.9 113.9

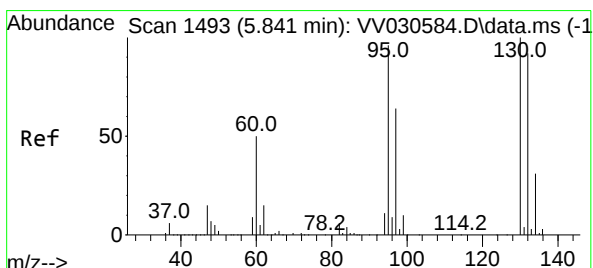
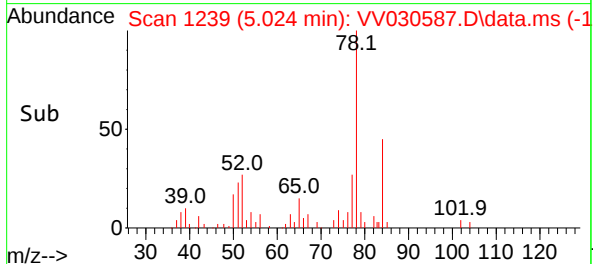
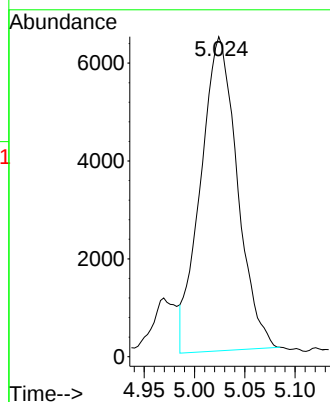
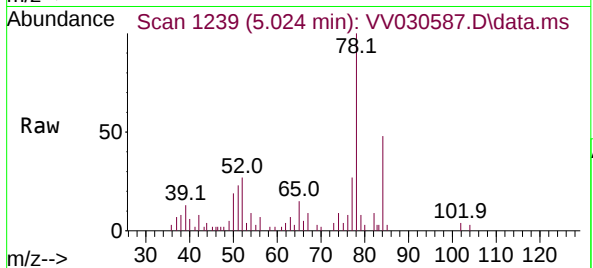




#33  
Benzene  
Concen: 2.116 ug/L  
RT: 5.024 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

Instrument :  
MSVOA\_V  
ClientSampleId :

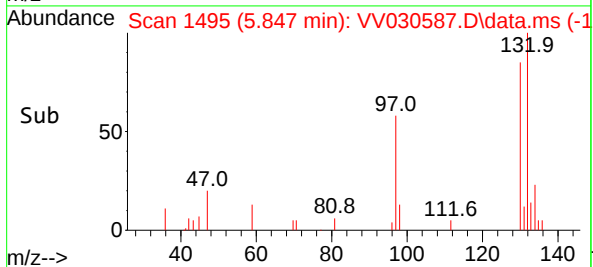
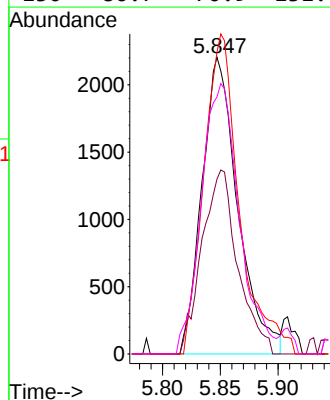
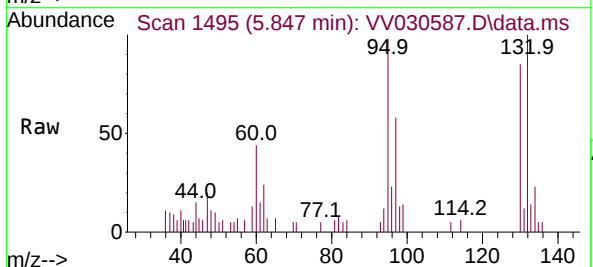
Tgt Ion: 78 Resp: 16266

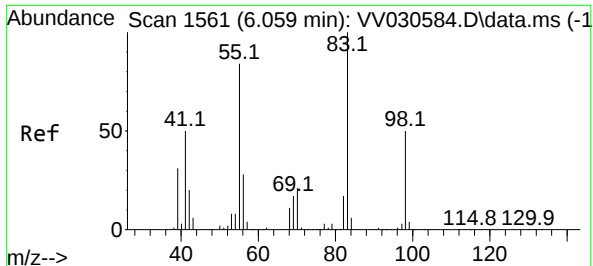


#34  
Trichloroethene  
Concen: 2.377 ug/L  
RT: 5.847 min Scan# 1495  
Delta R.T. 0.006 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

Tgt Ion: 95 Resp: 4752

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 59.0  | 45.8  | 85.2  |
| 132 | 101.8 | 70.6  | 131.2 |
| 130 | 86.7  | 70.9  | 131.7 |





#35

Methylcyclohexane

Concen: 2.196 ug/L

RT: 6.063 min Scan# 1561

Delta R.T. 0.003 min

Lab File: VV030587.D

Acq: 17 Apr 2023 14:36

Instrument :

MSVOA\_V

ClientSampleId :

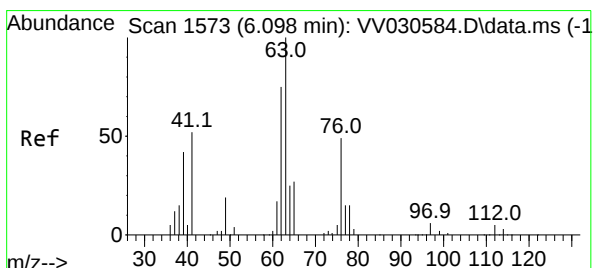
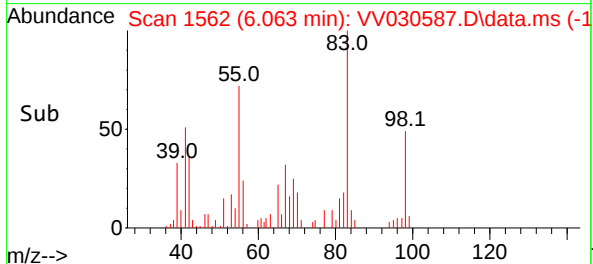
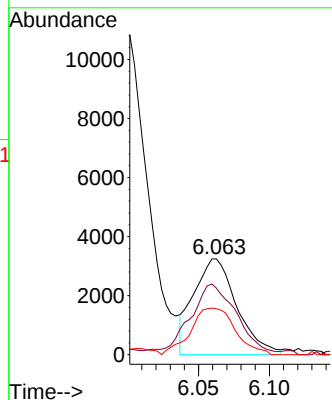
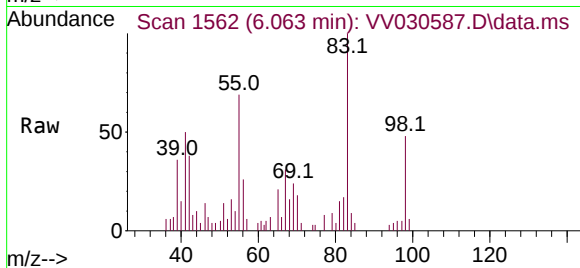
Tgt Ion: 83 Resp: 6881

Ion Ratio Lower Upper

83 100

55 74.7 65.5 98.3

98 50.1 38.7 58.1



#37

1,2-Dichloropropane

Concen: 2.376 ug/L

RT: 6.108 min Scan# 1576

Delta R.T. 0.010 min

Lab File: VV030587.D

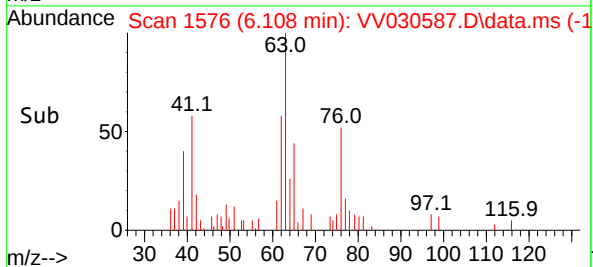
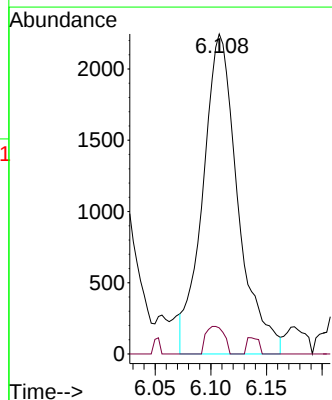
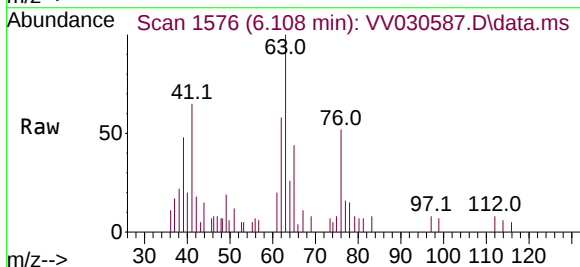
Acq: 17 Apr 2023 14:36

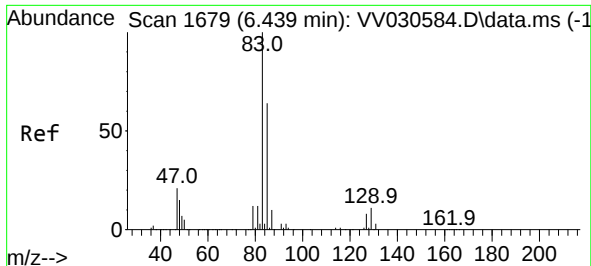
Tgt Ion: 63 Resp: 4915

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.8

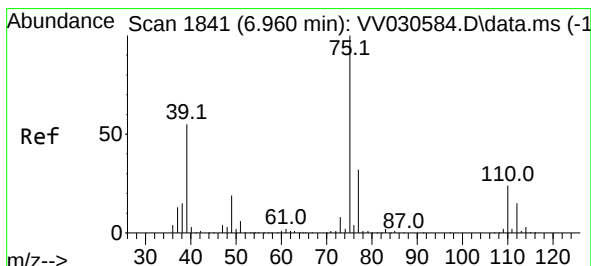
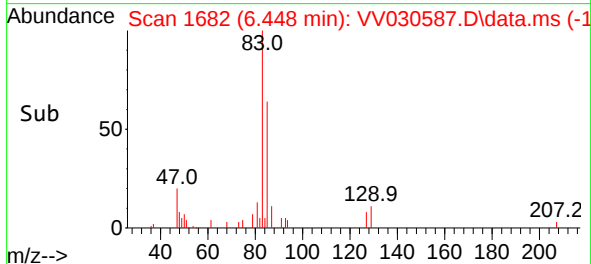
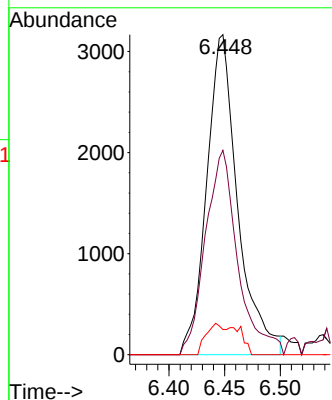
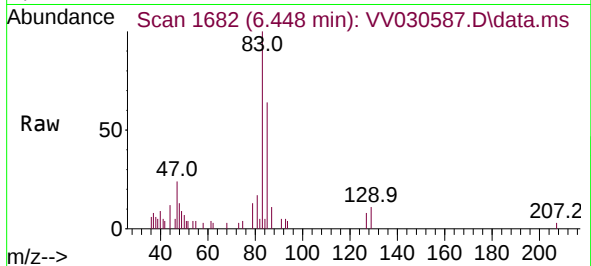




#38  
Bromodichloromethane  
Concen: 2.114 ug/L  
RT: 6.448 min Scan# 1  
Delta R.T. 0.010 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

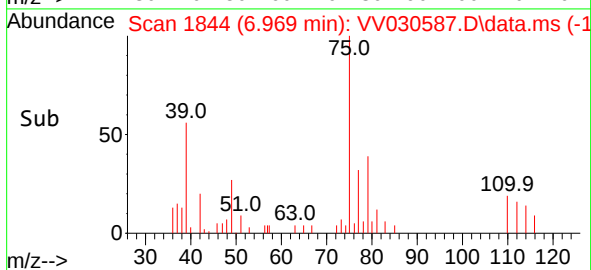
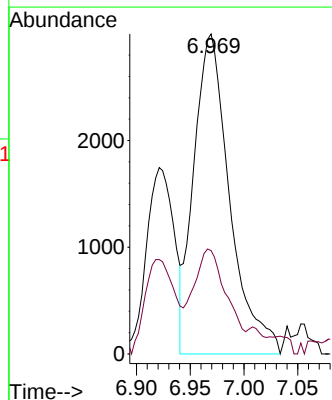
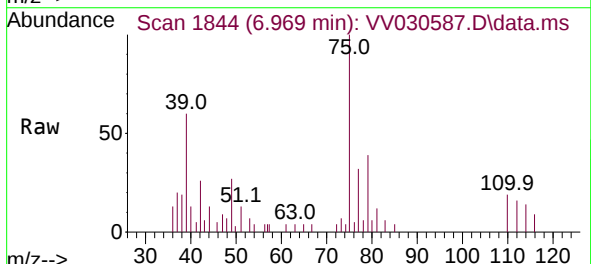
Instrument :  
MSVOA\_V  
ClientSampleId :

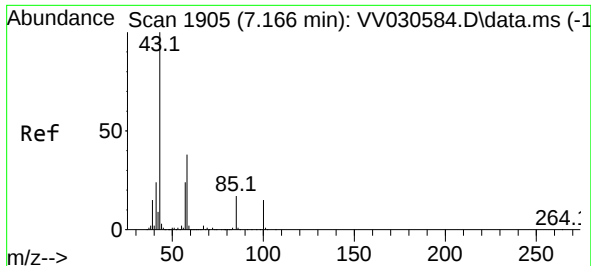
Tgt Ion: 83 Resp: 6144  
Ion Ratio Lower Upper  
83 100  
85 63.8 45.4 84.4  
127 7.8 7.0 10.4



#39  
cis-1,3-Dichloropropene  
Concen: 2.244 ug/L  
RT: 6.969 min Scan# 1844  
Delta R.T. 0.010 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

Tgt Ion: 75 Resp: 6967  
Ion Ratio Lower Upper  
75 100  
77 32.3 22.0 40.8





#40

4-Methyl-2-pentanone

Concen: 3.541 ug/L

RT: 7.175 min Scan# 1908

Delta R.T. 0.010 min

Lab File: VV030587.D

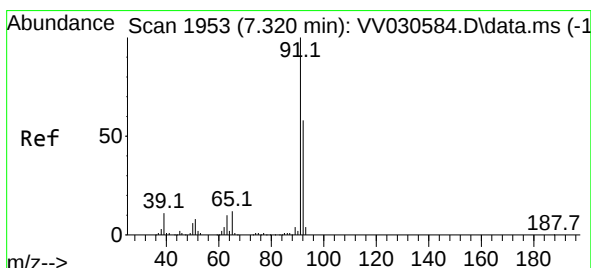
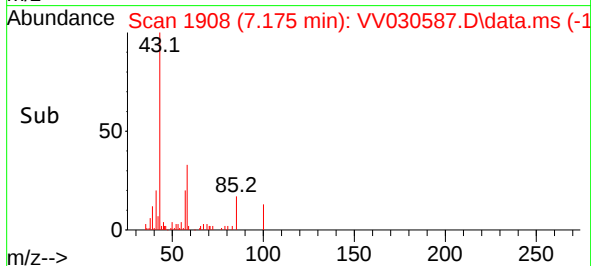
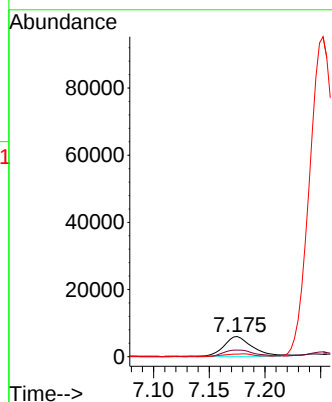
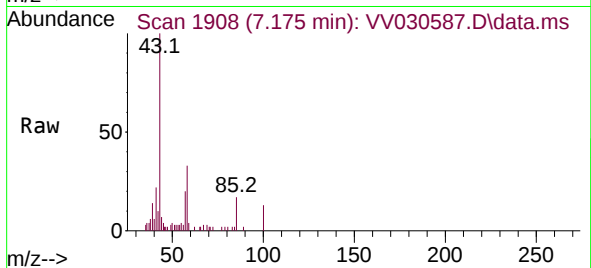
Acq: 17 Apr 2023 14:36

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 10234 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 38.1  | 29.2  | 43.8  |
| 100      | 16.4  | 11.3  | 16.9  |



#42

Toluene

Concen: 2.023 ug/L

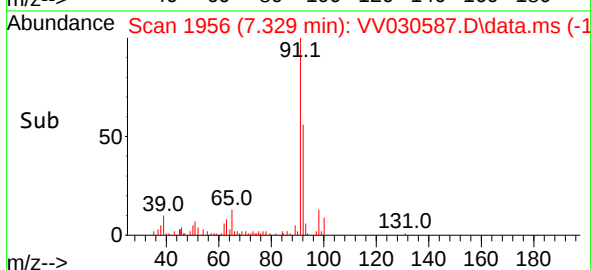
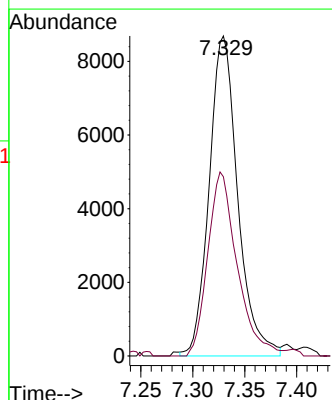
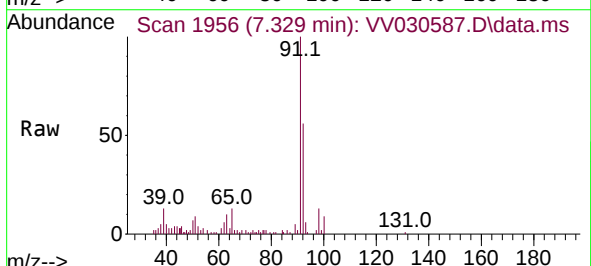
RT: 7.329 min Scan# 1956

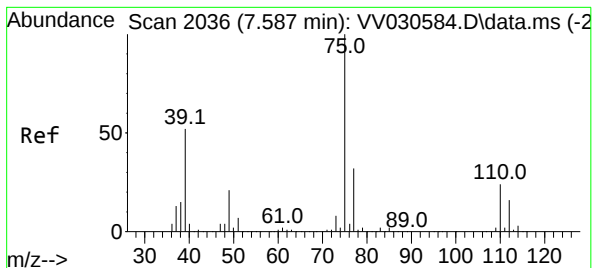
Delta R.T. 0.010 min

Lab File: VV030587.D

Acq: 17 Apr 2023 14:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 16657 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 56.0  | 39.8  | 73.8  |





#44

trans-1,3-Dichloropropene

Concen: 1.974 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV030587.D

Acq: 17 Apr 2023 14:36

Instrument :

MSVOA\_V

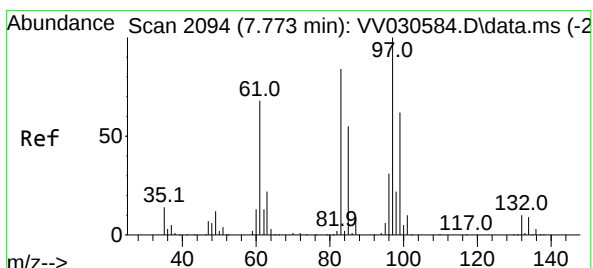
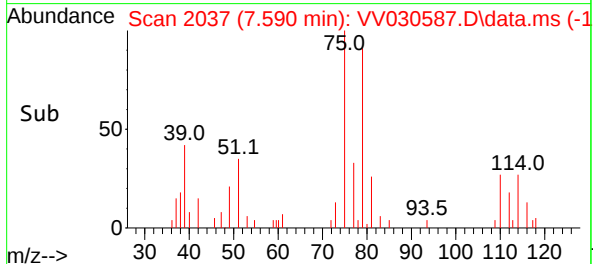
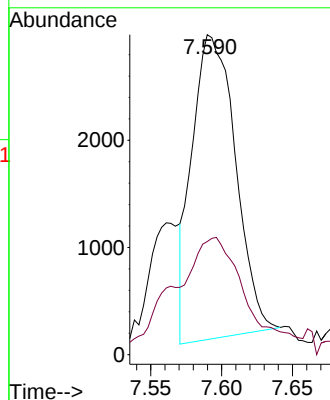
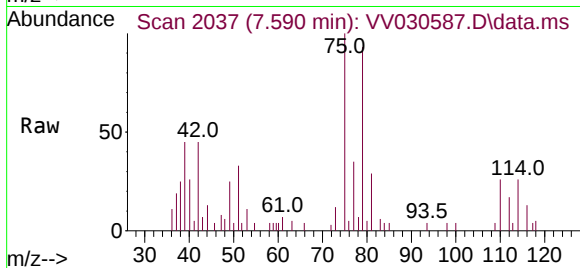
ClientSampleId :

Tgt Ion: 75 Resp: 6021

Ion Ratio Lower Upper

75 100

77 35.3 22.1 41.1



#45

1,1,2-Trichloroethane

Concen: 2.144 ug/L

RT: 7.780 min Scan# 2096

Delta R.T. 0.006 min

Lab File: VV030587.D

Acq: 17 Apr 2023 14:36

Tgt Ion: 97 Resp: 4448

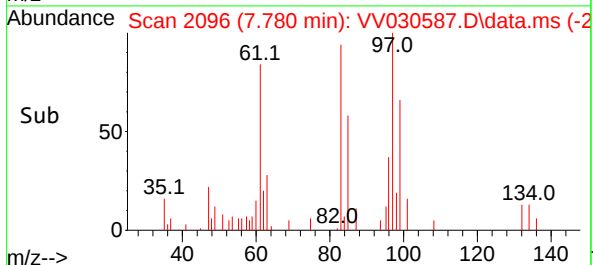
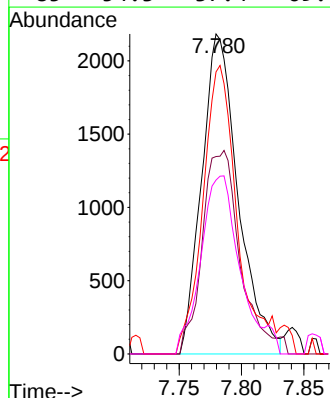
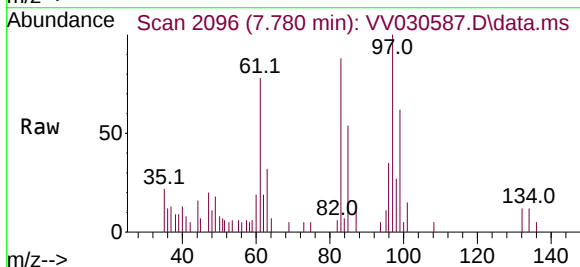
Ion Ratio Lower Upper

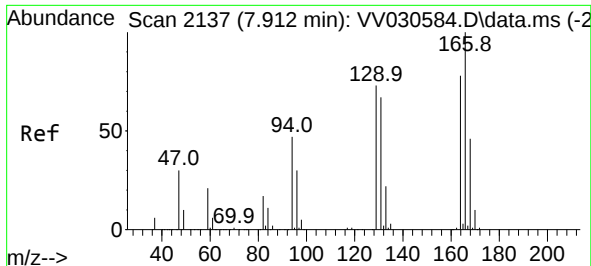
97 100

99 61.7 43.8 81.4

83 88.1 59.6 110.6

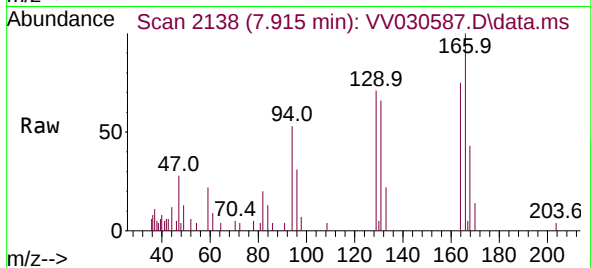
85 54.3 37.4 69.4



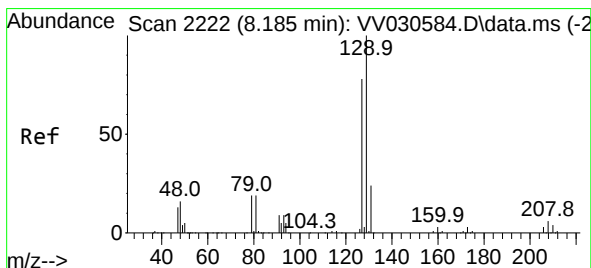
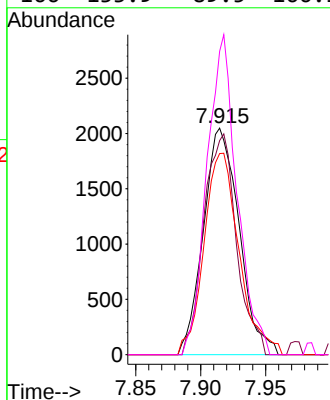
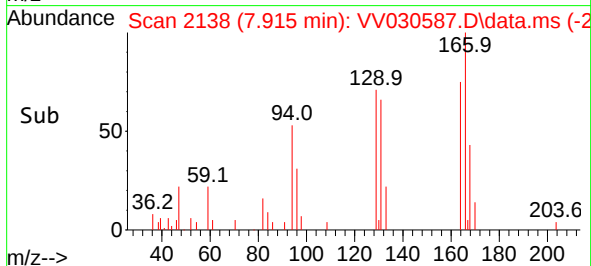


#46  
Tetrachloroethene  
Concen: 2.242 ug/L  
RT: 7.915 min Scan# 2137  
Delta R.T. 0.003 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

Instrument :  
MSVOA\_V  
ClientSampleId :

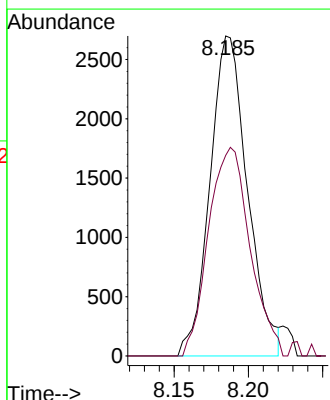
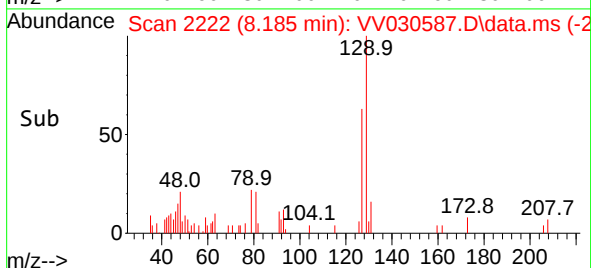
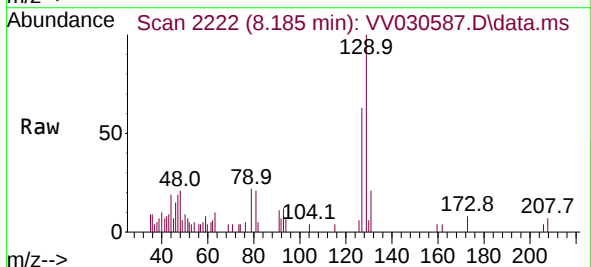


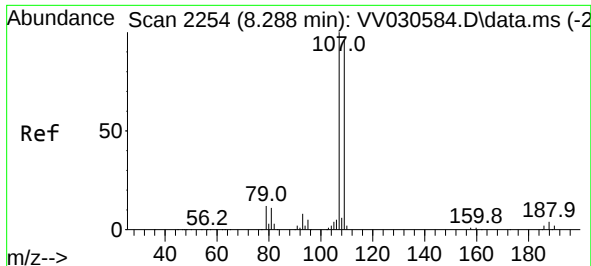
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 3924  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 94.5  | 63.8  | 118.6 |
| 131      | 88.8  | 60.3  | 111.9 |
| 166      | 133.9 | 89.5  | 166.1 |



#49  
Dibromochloromethane  
Concen: 2.072 ug/L  
RT: 8.185 min Scan# 2222  
Delta R.T. -0.000 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 4742  |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 62.7  | 52.8  | 98.2  |





#50

1,2-Dibromoethane

Concen: 2.031 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV030587.D

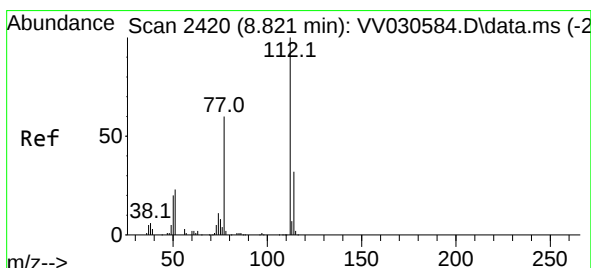
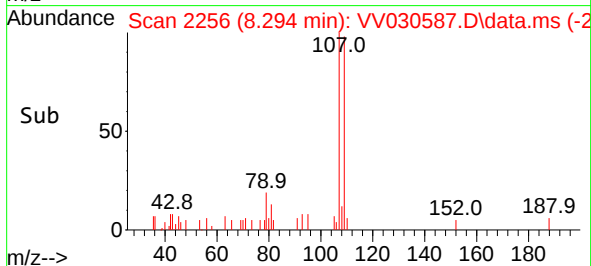
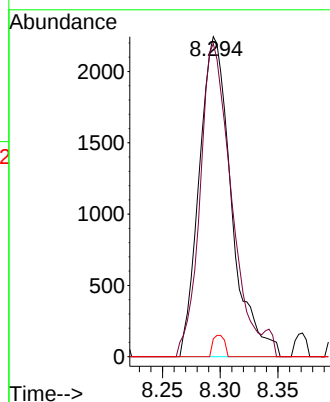
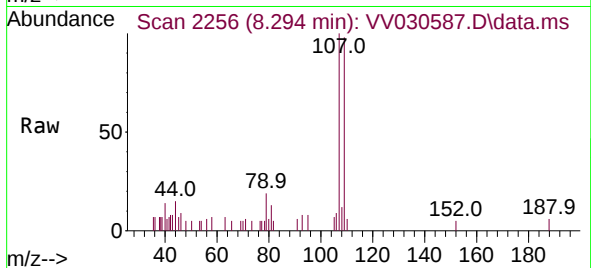
Acq: 17 Apr 2023 14:36

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 4366  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 97.8  | 65.7  | 121.9 |
| 188      | 5.6   | 3.2   | 4.8#  |



#51

Chlorobenzene

Concen: 2.093 ug/L

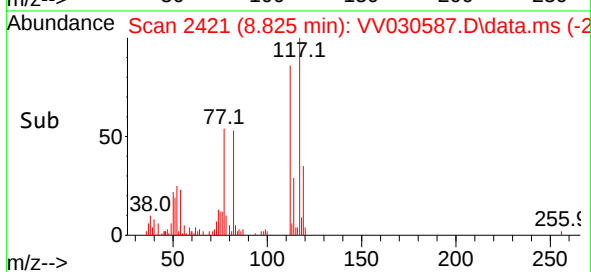
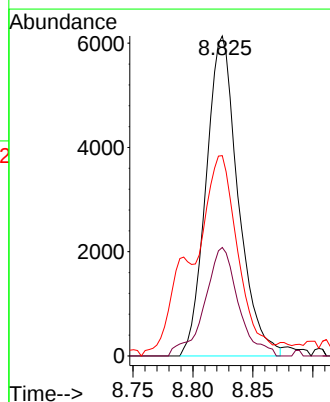
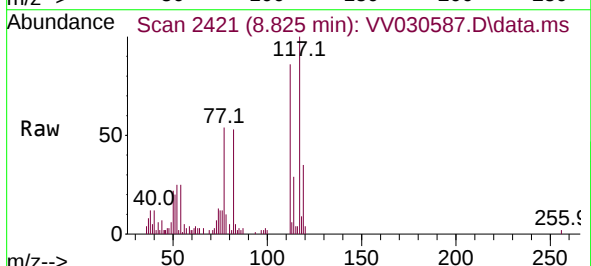
RT: 8.825 min Scan# 2421

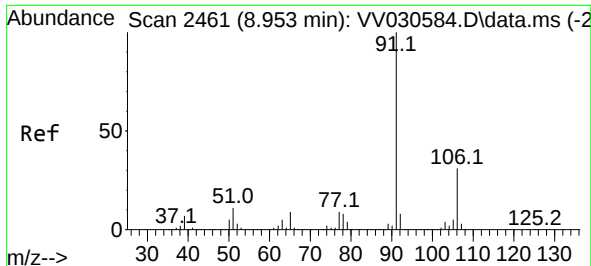
Delta R.T. 0.003 min

Lab File: VV030587.D

Acq: 17 Apr 2023 14:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 11414 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 33.9  | 22.4  | 41.6  |
| 77       | 62.6  | 47.4  | 71.0  |

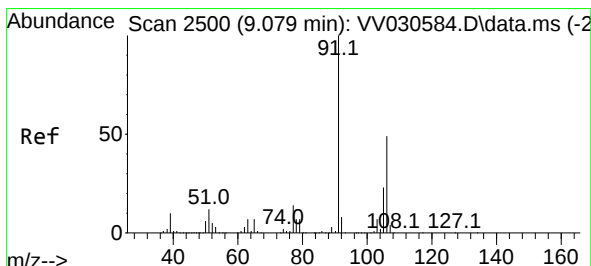
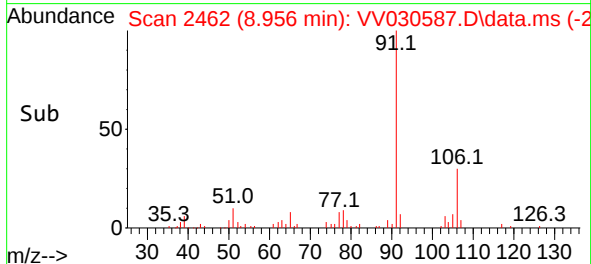
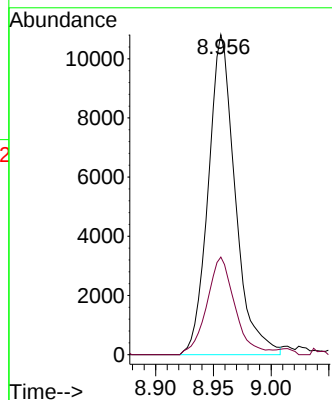
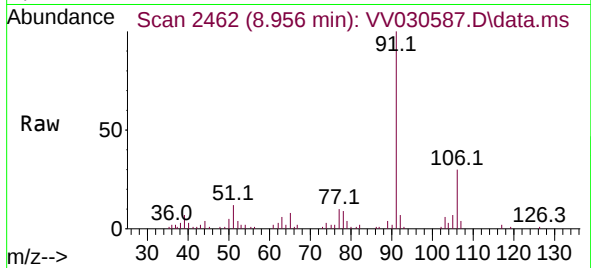




#52  
Ethylbenzene  
Concen: 1.926 ug/L  
RT: 8.956 min Scan# 2461  
Delta R.T. 0.003 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

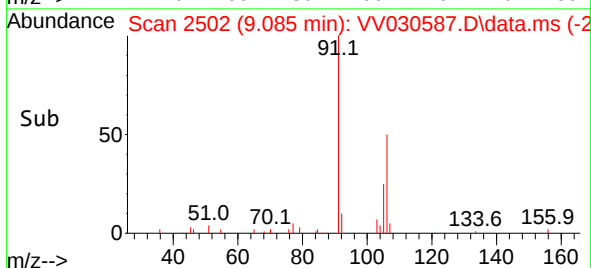
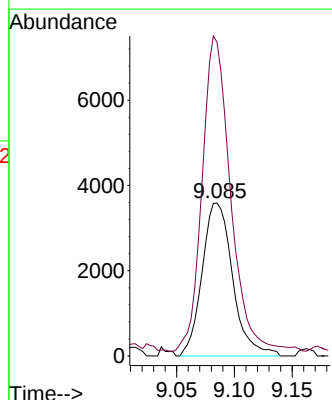
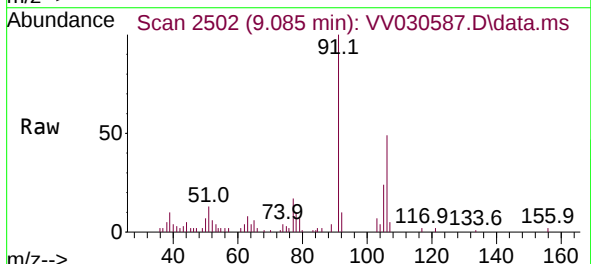
Instrument :  
MSVOA\_V  
ClientSampleId :

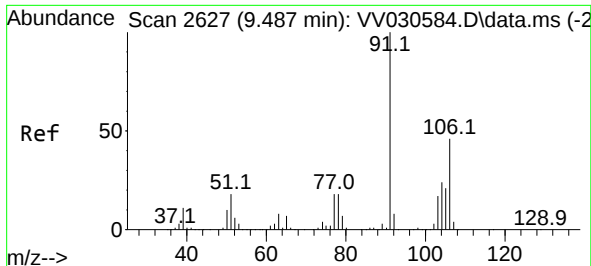
Tgt Ion: 91 Resp: 17555  
Ion Ratio Lower Upper  
91 100  
106 30.5 21.8 40.4



#53  
m,p-Xylene  
Concen: 1.919 ug/L  
RT: 9.085 min Scan# 2502  
Delta R.T. 0.006 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

Tgt Ion: 106 Resp: 6607  
Ion Ratio Lower Upper  
106 100  
91 205.1 144.7 268.7

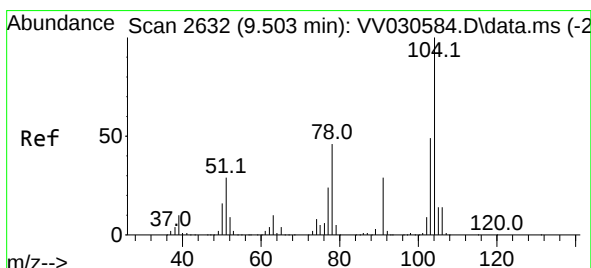
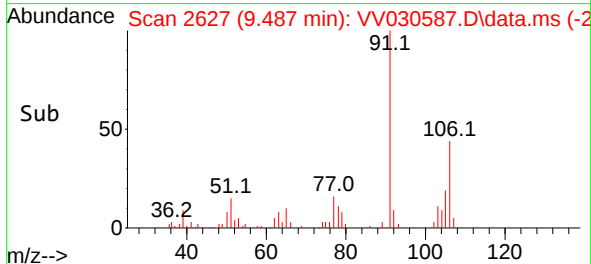
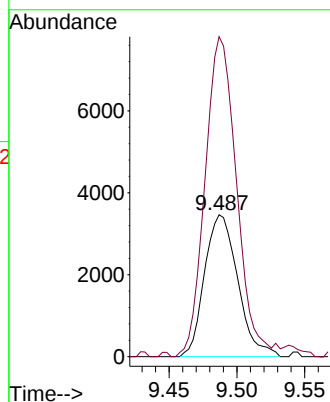
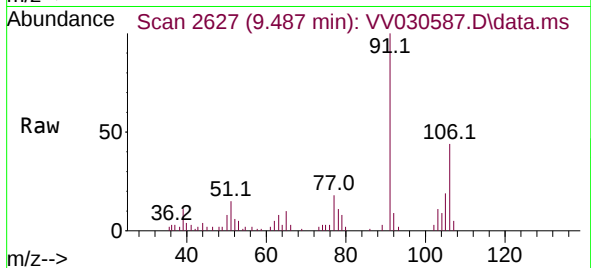




#54  
o-Xylene  
Concen: 1.752 ug/L  
RT: 9.487 min Scan# 2627  
Delta R.T. -0.000 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

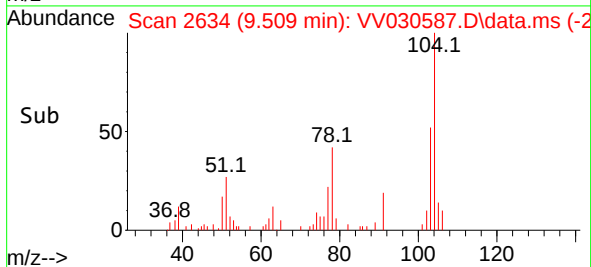
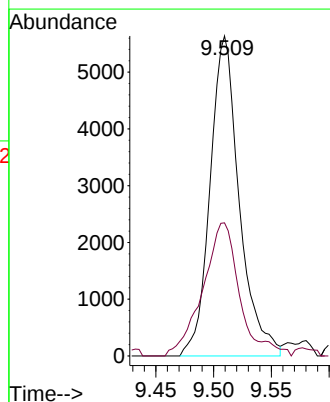
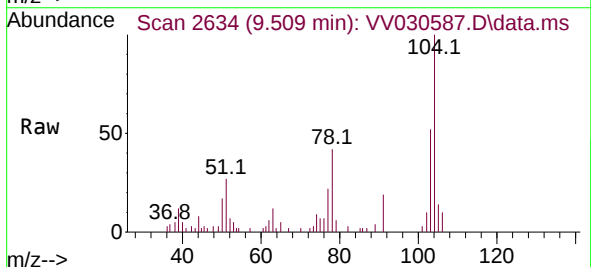
Instrument :  
MSVOA\_V  
ClientSampleId :

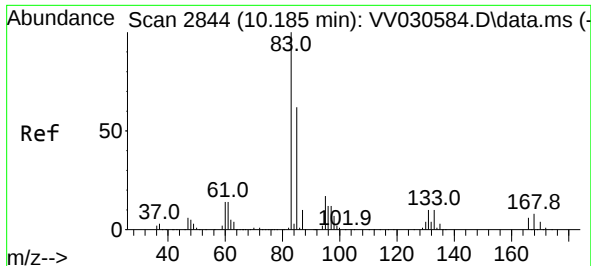
Tgt Ion:106 Resp: 5902  
Ion Ratio Lower Upper  
106 100  
91 225.4 152.6 283.4



#55  
Styrene  
Concen: 1.677 ug/L  
RT: 9.509 min Scan# 2634  
Delta R.T. 0.006 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

Tgt Ion:104 Resp: 9921  
Ion Ratio Lower Upper  
104 100  
78 41.6 32.3 59.9

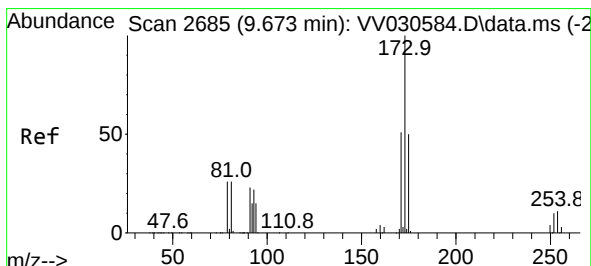
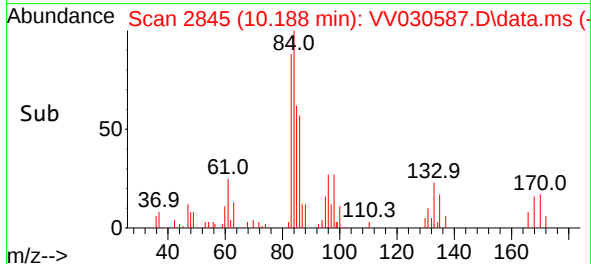
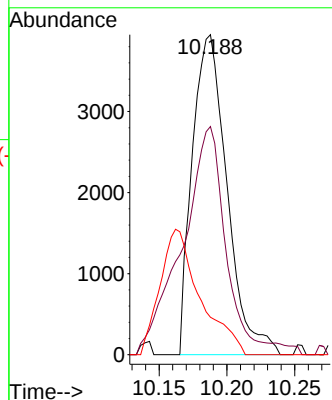
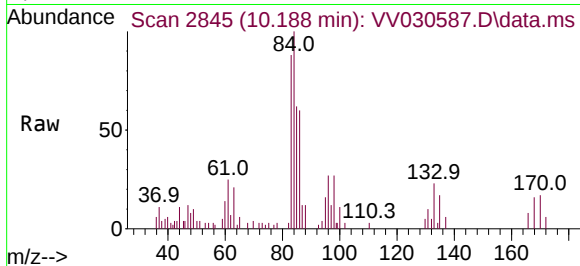




#57  
1,1,2,2-Tetrachloroethane  
Concen: 2.064 ug/L  
RT: 10.188 min Scan# 2844  
Delta R.T. 0.003 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

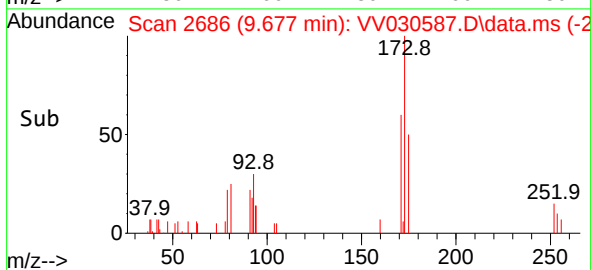
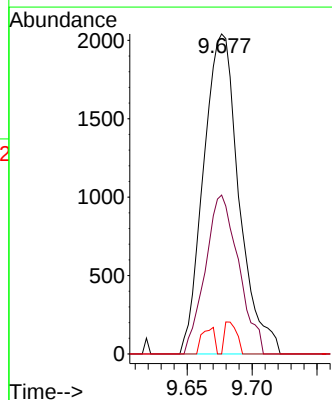
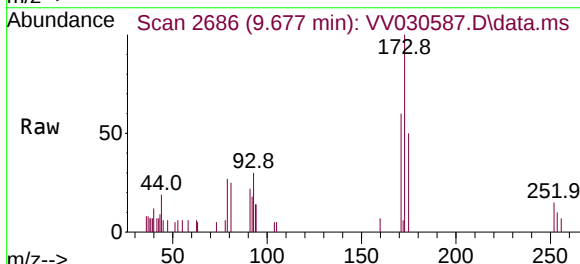
Instrument :  
MSVOA\_V  
ClientSampleId :

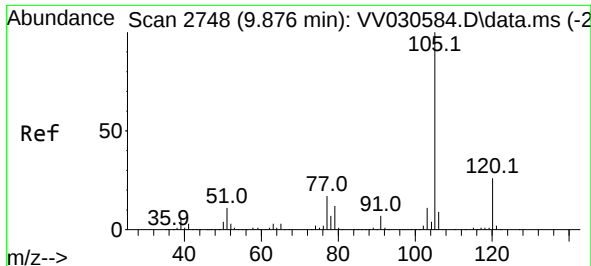
Tgt Ion: 83 Resp: 7030  
Ion Ratio Lower Upper  
83 100  
85 71.3 45.1 83.7  
131 11.7 8.0 12.0



#59  
Bromoform  
Concen: 2.426 ug/L  
RT: 9.677 min Scan# 2686  
Delta R.T. 0.003 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

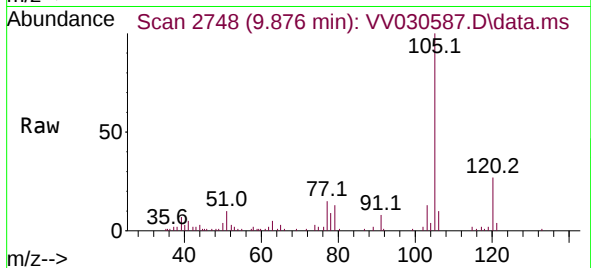
Tgt Ion: 173 Resp: 3880  
Ion Ratio Lower Upper  
173 100  
175 46.6 38.8 58.2  
254 3.4 8.2 12.4



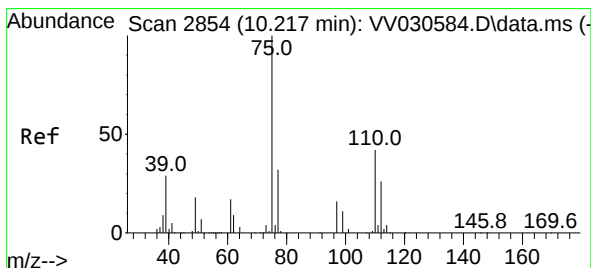
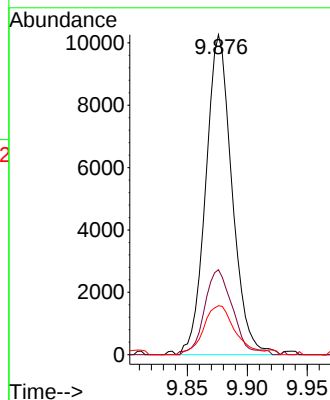
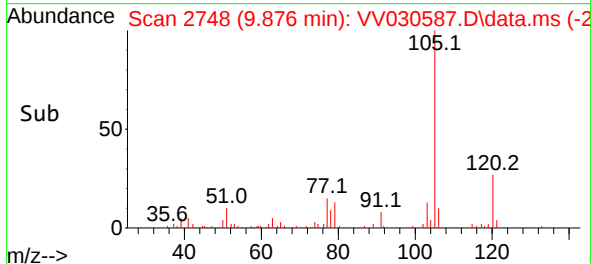


#60  
Isopropylbenzene  
Concen: 1.960 ug/L  
RT: 9.876 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

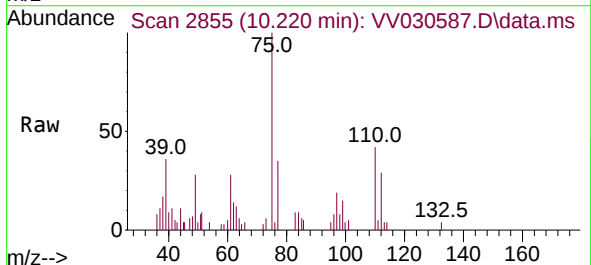
Instrument :  
MSVOA\_V  
ClientSampleId :



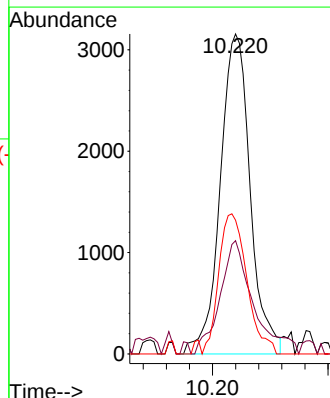
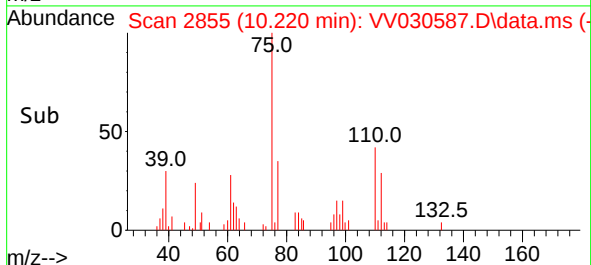
Tgt Ion:105 Resp: 15618  
Ion Ratio Lower Upper  
105 100  
120 28.0 20.9 31.3  
77 18.3 13.0 19.6

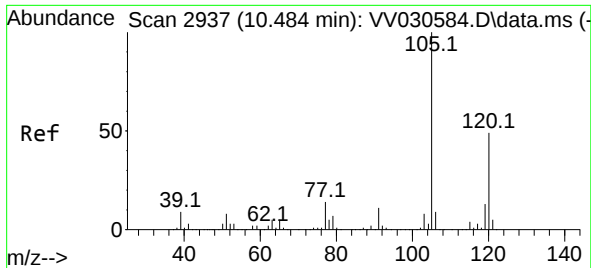


#61  
1,2,3-Trichloropropane  
Concen: 2.488 ug/L  
RT: 10.220 min Scan# 2855  
Delta R.T. 0.003 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36



Tgt Ion: 75 Resp: 5694  
Ion Ratio Lower Upper  
75 100  
77 39.3 25.7 38.5#  
110 41.1 32.8 49.2

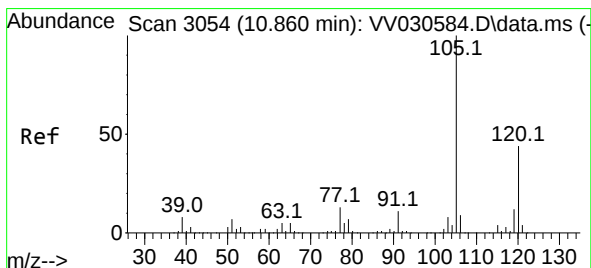
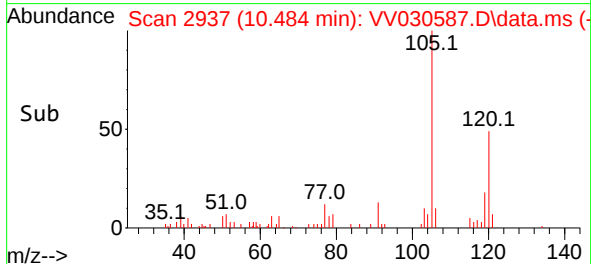
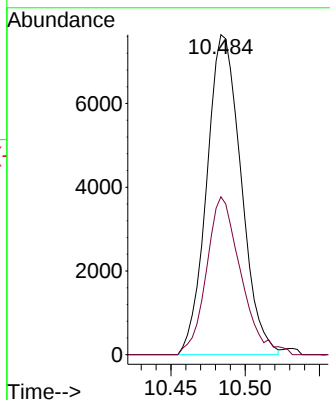
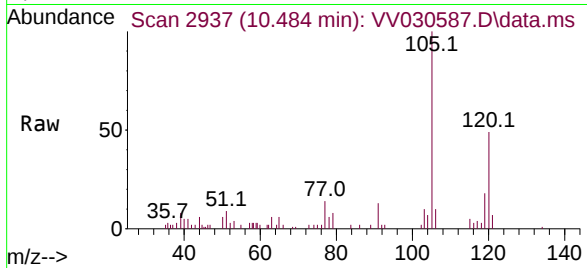




#62  
 1,3,5-Trimethylbenzene  
 Concen: 1.874 ug/L  
 RT: 10.484 min Scan# 2937  
 Delta R.T. -0.000 min  
 Lab File: VV030587.D  
 Acq: 17 Apr 2023 14:36

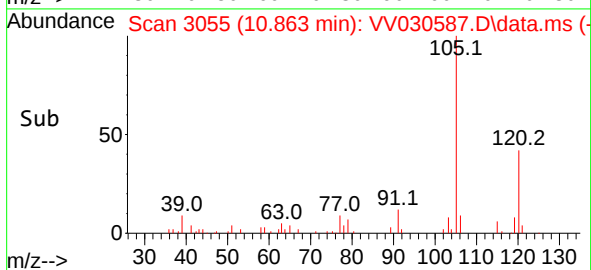
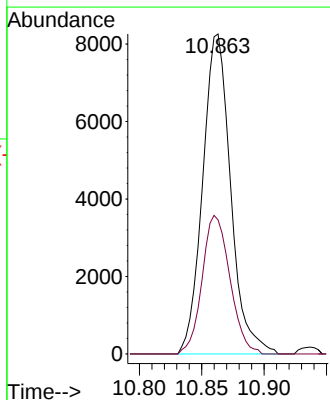
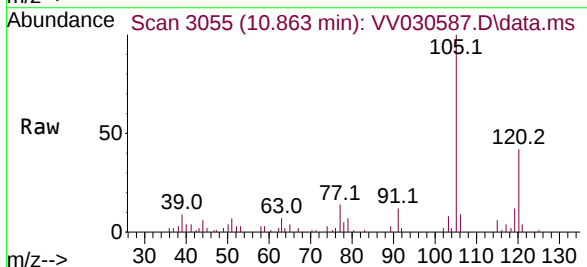
Instrument :  
 MSVOA\_V  
 ClientSampleId :

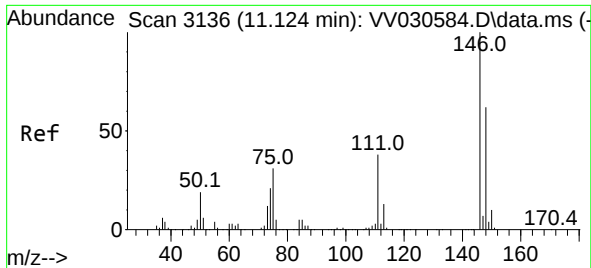
Tgt Ion:105 Resp: 12295  
 Ion Ratio Lower Upper  
 105 100  
 120 48.6 39.2 58.8



#63  
 1,2,4-Trimethylbenzene  
 Concen: 1.973 ug/L  
 RT: 10.863 min Scan# 3055  
 Delta R.T. 0.003 min  
 Lab File: VV030587.D  
 Acq: 17 Apr 2023 14:36

Tgt Ion:105 Resp: 12924  
 Ion Ratio Lower Upper  
 105 100  
 120 43.0 36.2 54.4

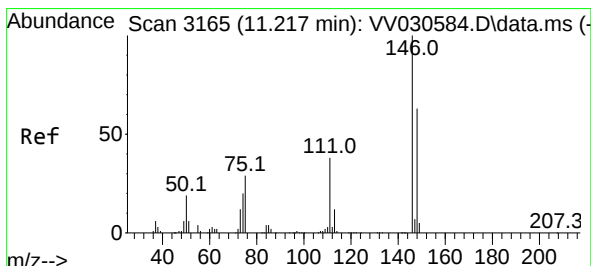
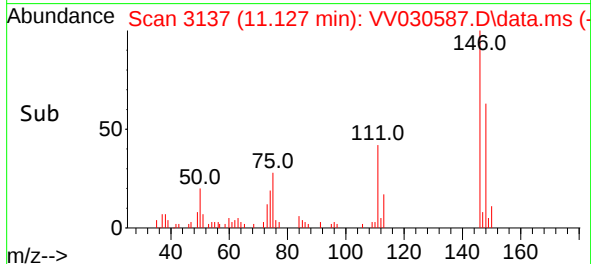
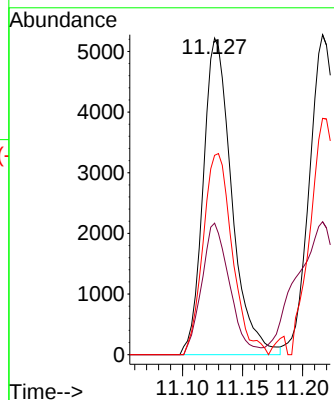
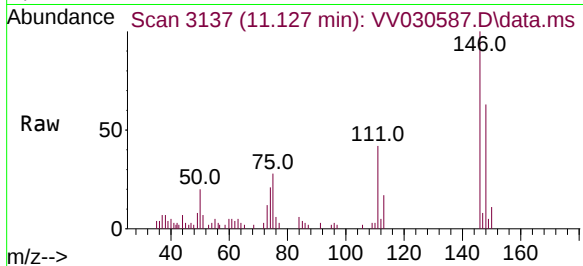




#64  
1,3-Dichlorobenzene  
Concen: 2.173 ug/L  
RT: 11.127 min Scan# 3136  
Delta R.T. 0.003 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

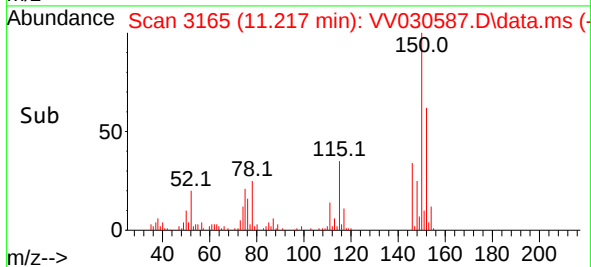
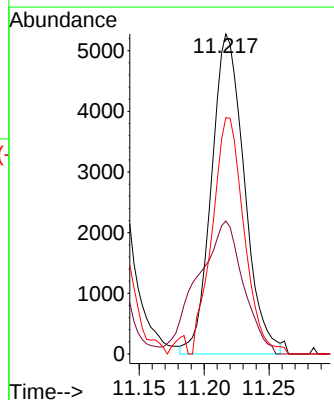
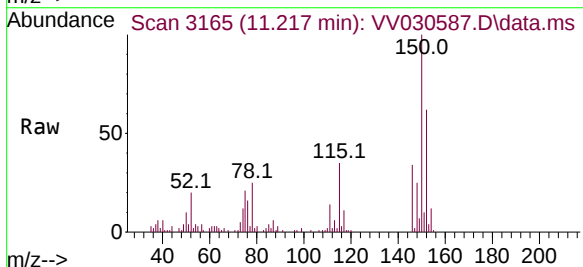
Instrument :  
MSVOA\_V  
ClientSampleId :

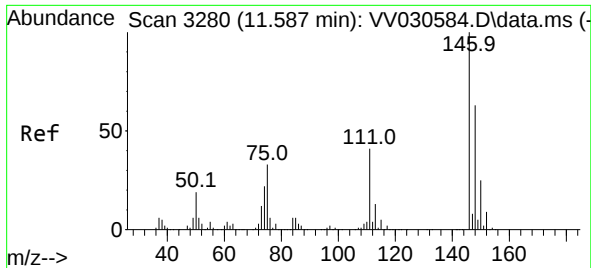
Tgt Ion:146 Resp: 8668  
Ion Ratio Lower Upper  
146 100  
111 41.5 27.0 50.2  
148 63.0 44.8 83.2



#65  
1,4-Dichlorobenzene  
Concen: 2.205 ug/L  
RT: 11.217 min Scan# 3165  
Delta R.T. -0.000 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

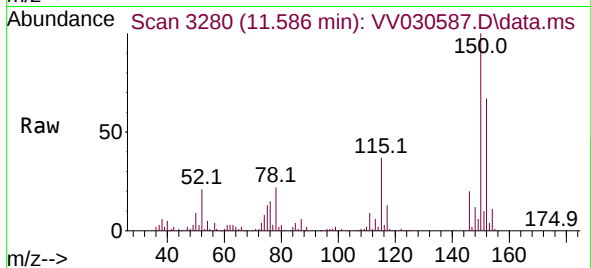
Tgt Ion:146 Resp: 9277  
Ion Ratio Lower Upper  
146 100  
111 41.5 26.5 49.1  
148 73.8 44.7 83.1



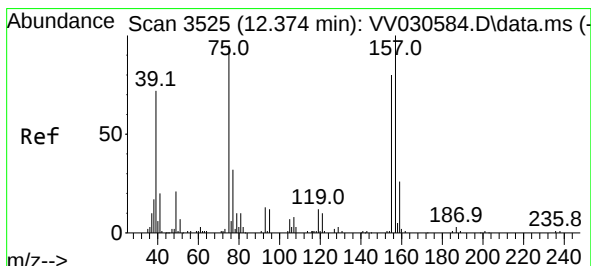
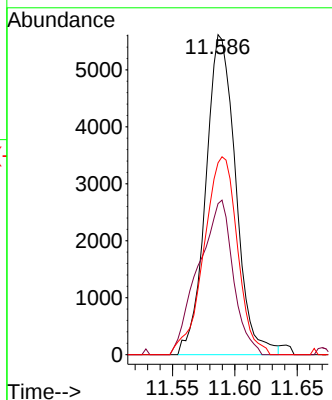
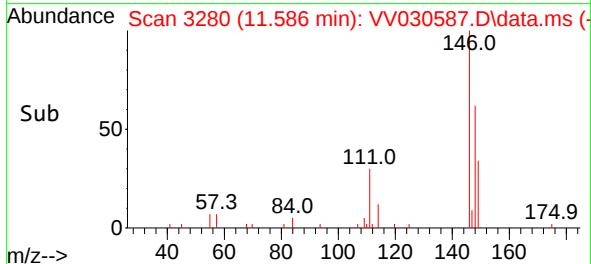


#67  
1,2-Dichlorobenzene  
Concen: 2.330 ug/L  
RT: 11.586 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36

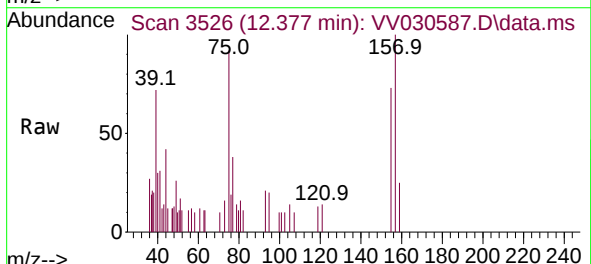
Instrument :  
MSVOA\_V  
ClientSampleId :



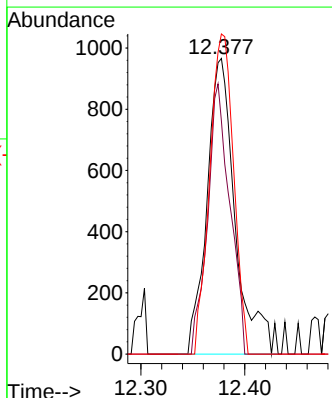
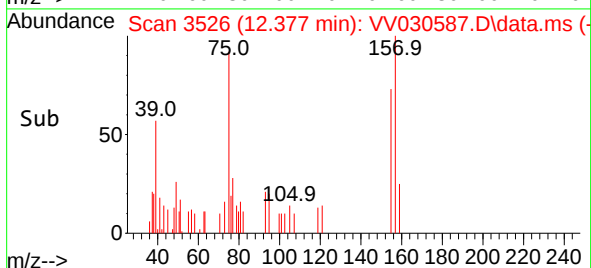
Tgt Ion:146 Resp: 9375  
Ion Ratio Lower Upper  
146 100  
111 47.2 32.0 48.0  
148 60.0 50.6 76.0

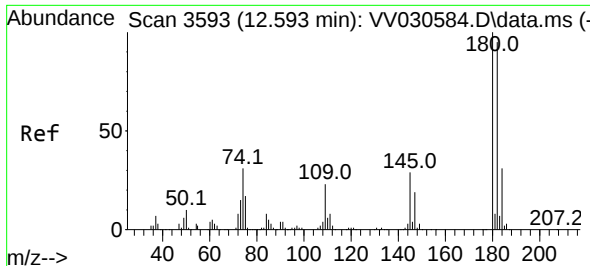


#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.705 ug/L  
RT: 12.377 min Scan# 3526  
Delta R.T. 0.003 min  
Lab File: VV030587.D  
Acq: 17 Apr 2023 14:36



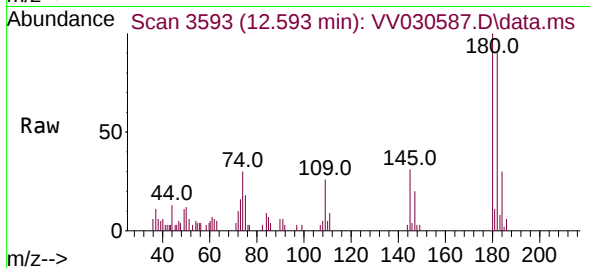
Tgt Ion: 75 Resp: 1834  
Ion Ratio Lower Upper  
75 100  
155 78.9 65.0 97.6  
157 108.3 84.4 126.6



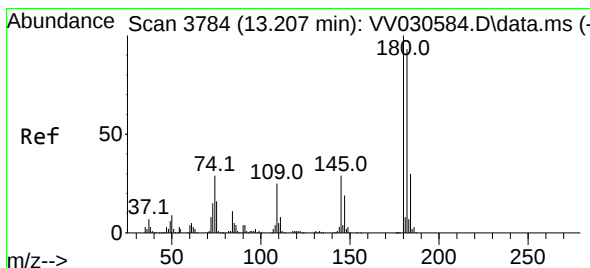
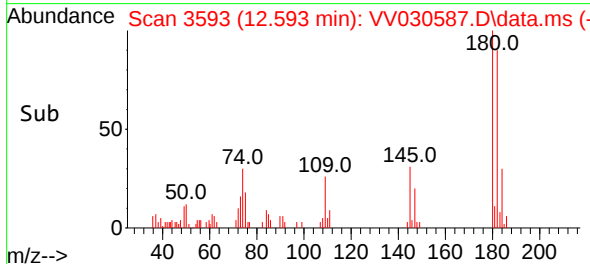
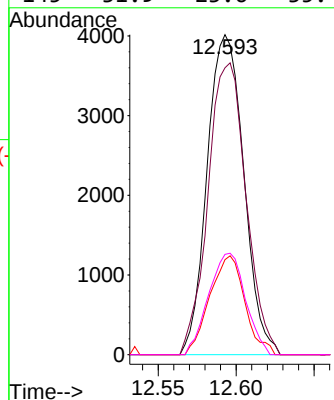


#69  
 1,3,5-Trichlorobenzene  
 Concen: 2.177 ug/L  
 RT: 12.593 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VV030587.D  
 Acq: 17 Apr 2023 14:36

Instrument :  
 MSVOA\_V  
 ClientSampleId :

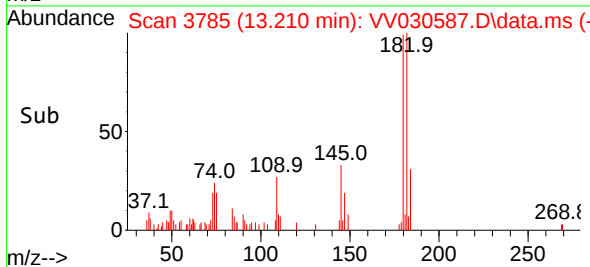
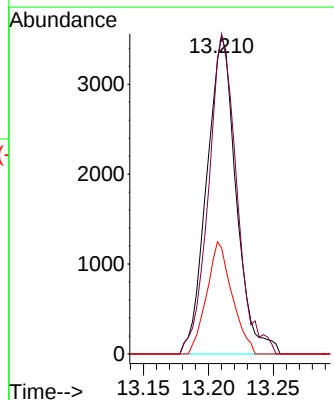
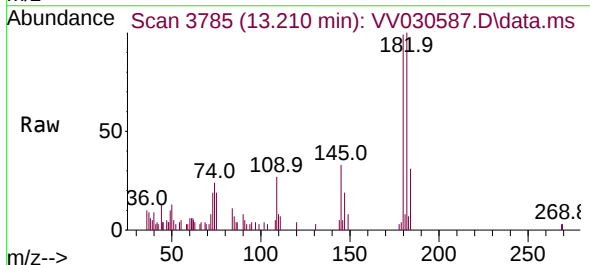


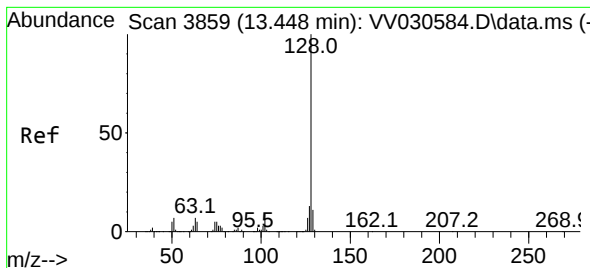
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 6560        |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 94.5  | 76.4 114.6  |
| 184         | 29.6  | 24.1 36.1   |
| 145         | 31.9  | 23.6 35.4   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 2.170 ug/L  
 RT: 13.210 min Scan# 3785  
 Delta R.T. 0.003 min  
 Lab File: VV030587.D  
 Acq: 17 Apr 2023 14:36

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 5553        |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 94.8  | 75.9 113.9  |
| 145         | 30.5  | 23.4 35.2   |





#71

Naphthalene

Concen: 2.055 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.003 min

Lab File: VV030587.D

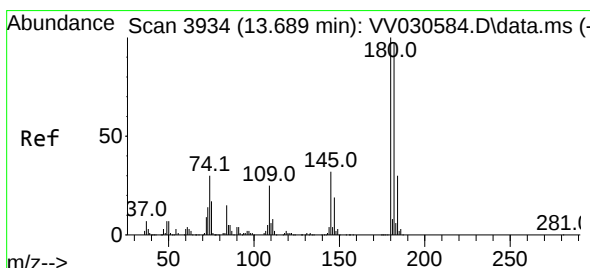
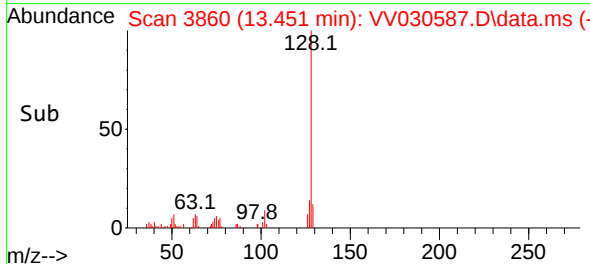
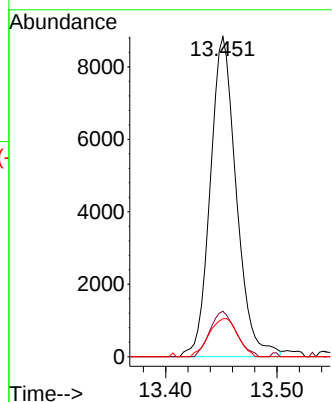
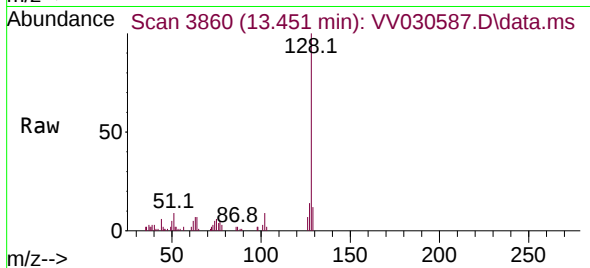
Acq: 17 Apr 2023 14:36

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 14383 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 14.2  | 10.7  | 16.1  |
| 129      | 13.0  | 8.6   | 13.0  |



#72

1,2,3-Trichlorobenzene

Concen: 2.132 ug/L

RT: 13.692 min Scan# 3935

Delta R.T. 0.003 min

Lab File: VV030587.D

Acq: 17 Apr 2023 14:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 5410  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 95.2  | 76.2  | 114.4 |
| 145      | 35.5  | 25.1  | 37.7  |

