

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV070221\  
 Data File : VV021604.D  
 Acq On : 02 Jul 2021 17:42  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050180

Quant Time: Jul 03 00:09:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 03 00:01:46 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619   | 114   | 476226   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853   | 117   | 448137   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252  | 152   | 232782   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 115941   | 38.479   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 76.960%  |
| 7) Chloroethane-d5            | 1.558   | 69    | 101929   | 41.391   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 82.780%  |
| 11) 1,1-Dichloroethene-d2     | 2.104   | 63    | 228675   | 41.481   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 82.960%  |
| 21) 2-Butanone-d5             | 3.873   | 46    | 250721   | 97.431   | ug/L   | -0.01    |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 97.430%  |
| 24) Chloroform-d              | 4.349   | 84    | 283696   | 45.014   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.020%  |
| 26) 1,2-Dichloroethane-d4     | 5.034   | 65    | 169904   | 45.752   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.500%  |
| 32) Benzene-d6                | 5.050   | 84    | 558660   | 44.399   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67    | 177511   | 44.729   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 89.460%  |
| 41) Toluene-d8                | 7.316   | 98    | 517442   | 44.466   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 88.940%  |
| 43) trans-1,3-Dichloroprop... | 7.622   | 79    | 85096    | 43.105   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.200%  |
| 47) 2-Hexanone-d5             | 8.088   | 63    | 187438   | 101.820  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 101.820% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217  | 84    | 270308   | 50.554   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 101.100% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 214691   | 46.261   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.520%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 183816   | 44.627   | ug/L   | 100      |
| 3) Chloromethane              | 1.243   | 50    | 186628   | 47.064   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.310   | 62    | 179824   | 45.806   | ug/L   | 99       |
| 6) Bromomethane               | 1.506   | 94    | 103449   | 45.220   | ug/L   | 100      |
| 8) Chloroethane               | 1.577   | 64    | 103567   | 45.887   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 238606   | 48.294   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114   | 101   | 129435   | 45.730   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 125459   | 46.129   | ug/L   | 96       |
| 13) Acetone                   | 2.159   | 43    | 139776   | 65.703   | ug/L # | 100      |
| 14) Carbon disulfide          | 2.291   | 76    | 424081   | 44.227   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.426   | 43    | 190529   | 48.195   | ug/L   | 99       |
| 16) Methylene chloride        | 2.503   | 84    | 168184   | 45.553   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.757   | 96    | 156587   | 47.193   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.767   | 73    | 518871   | 48.283   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.188   | 63    | 286992   | 47.484   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.911   | 96    | 177054   | 47.987   | ug/L   | 97       |
| 22) 2-Butanone                | 3.957   | 43    | 251451   | 85.584   | ug/L   | 97       |
| 23) Bromochloromethane        | 4.249   | 128   | 92750    | 47.626   | ug/L   | 95       |
| 25) Chloroform                | 4.378   | 83    | 292688   | 47.499   | ug/L   | 99       |

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 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

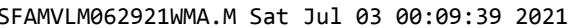
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050180

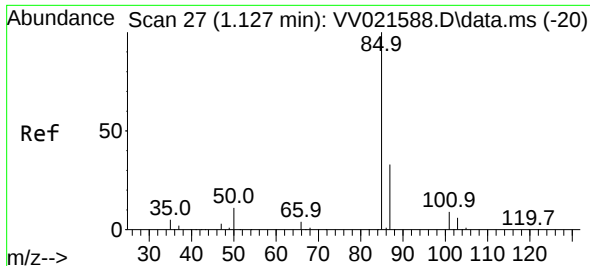
Quant Time: Jul 03 00:09:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 03 00:01:46 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 211730   | 47.242 | ug/L  | 99       |
| 29) Cyclohexane               | 4.677  | 56   | 257384   | 45.485 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 263570   | 46.782 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 228712   | 46.094 | ug/L  | 100      |
| 33) Benzene                   | 5.101  | 78   | 647354   | 47.466 | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 164016   | 44.491 | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.133  | 83   | 260695   | 44.542 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 167797   | 47.335 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.513  | 83   | 224963   | 46.958 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 275094   | 47.059 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.226  | 43   | 507808   | 97.586 | ug/L  | 100      |
| 42) Toluene                   | 7.390  | 91   | 692910   | 47.434 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 256355   | 46.959 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 168364   | 48.346 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.979  | 164  | 133546   | 45.547 | ug/L  | 97       |
| 48) 2-Hexanone                | 8.140  | 43   | 380934   | 92.614 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.249  | 129  | 192093   | 47.896 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 181222   | 47.461 | ug/L  | 97       |
| 51) Chlorobenzene             | 8.882  | 112  | 455498   | 47.915 | ug/L  | 98       |
| 52) Ethylbenzene              | 9.014  | 91   | 754925   | 47.569 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.140  | 106  | 289773   | 47.579 | ug/L  | 96       |
| 54) o-Xylene                  | 9.545  | 106  | 293892   | 48.369 | ug/L  | 99       |
| 55) Styrene                   | 9.561  | 104  | 498192   | 48.523 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.242 | 83   | 278249   | 51.256 | ug/L  | 98       |
| 59) Bromoform                 | 9.734  | 173  | 146844   | 49.080 | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.934  | 105  | 764145   | 48.128 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 218539   | 48.565 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.541 | 105  | 649835   | 48.023 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 662566   | 48.384 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 353693   | 47.373 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 354096   | 47.450 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 361381   | 48.299 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 64379    | 48.259 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.647 | 180  | 255141   | 45.728 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.265 | 180  | 223135   | 46.502 | ug/L  | 99       |
| 71) Naphthalene               | 13.503 | 128  | 755355   | 51.688 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.747 | 180  | 225817   | 47.647 | ug/L  | 99       |

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

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Response via : Initial Calibration

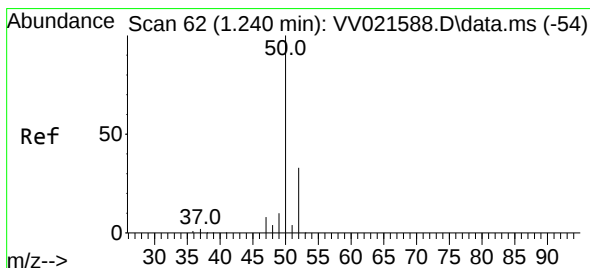
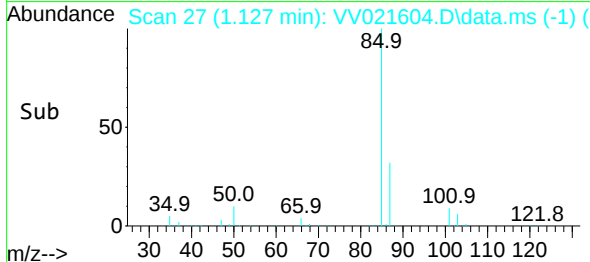
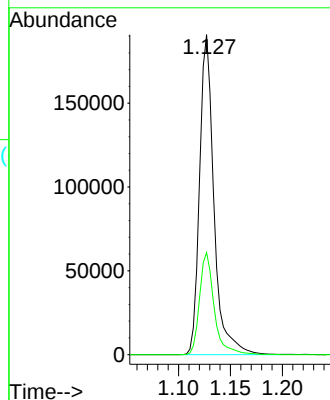
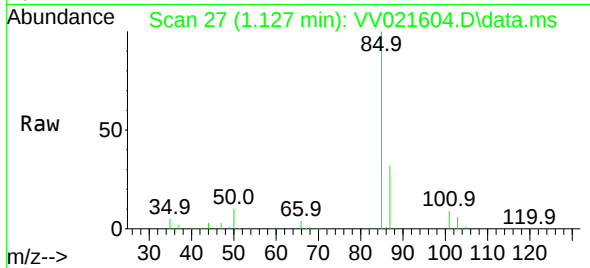




#2  
 Dichlorodifluoromethane  
 Concen: 44.627 ug/L  
 RT: 1.127 min Scan# 27  
 Delta R.T. -0.000 min  
 Lab File: VV021604.D  
 Acq: 02 Jul 2021 17:42

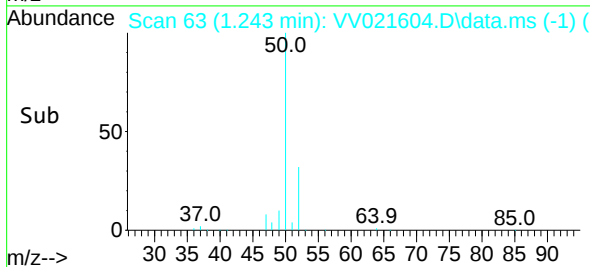
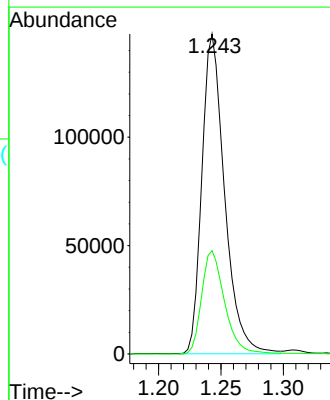
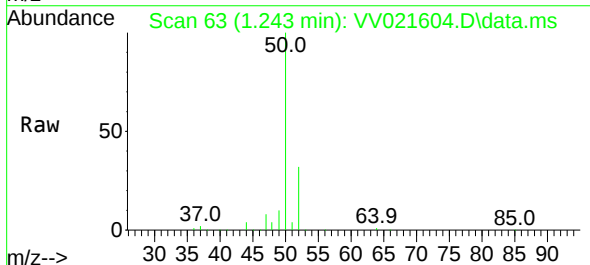
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050180

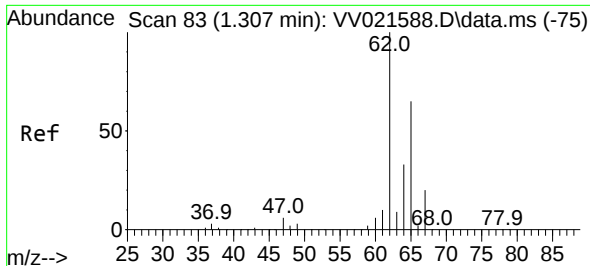
Tgt Ion: 85 Resp: 183816  
 Ion Ratio Lower Upper  
 85 100  
 87 32.5 26.1 39.1



#3  
 Chloromethane  
 Concen: 47.064 ug/L  
 RT: 1.243 min Scan# 63  
 Delta R.T. 0.003 min  
 Lab File: VV021604.D  
 Acq: 02 Jul 2021 17:42

Tgt Ion: 50 Resp: 186628  
 Ion Ratio Lower Upper  
 50 100  
 52 32.3 22.3 41.5

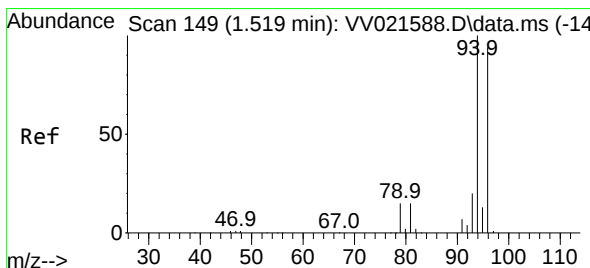
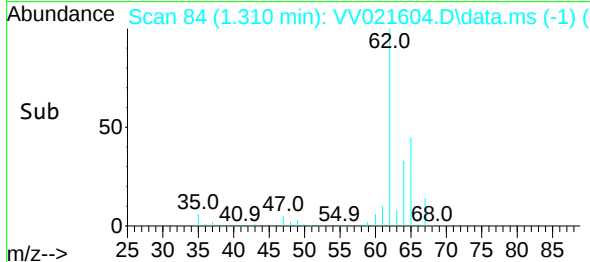
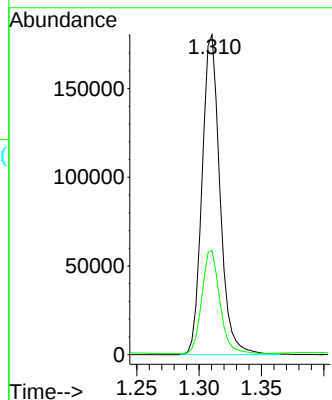
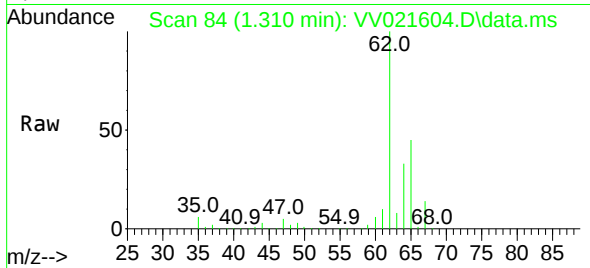




#5  
 Vinyl chloride  
 Concen: 45.806 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV021604.D  
 Acq: 02 Jul 2021 17:42

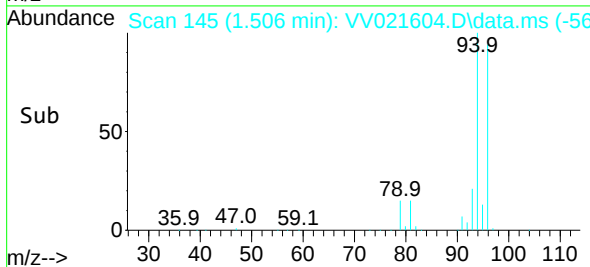
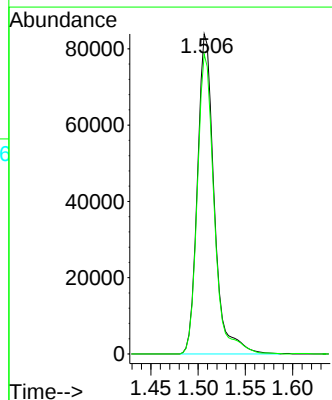
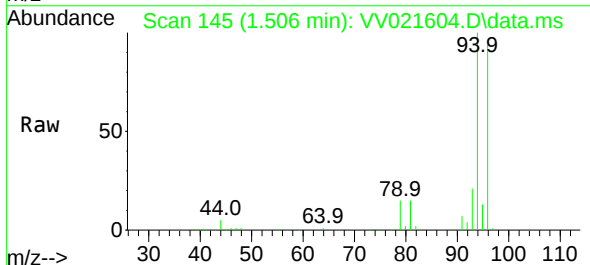
Instrument :  
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 ClientSampleId :  
 VSTD050180

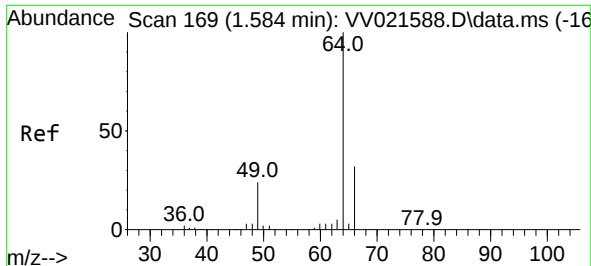
Tgt Ion: 62 Resp: 179824  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 23.3 43.3



#6  
 Bromomethane  
 Concen: 45.220 ug/L  
 RT: 1.506 min Scan# 145  
 Delta R.T. -0.013 min  
 Lab File: VV021604.D  
 Acq: 02 Jul 2021 17:42

Tgt Ion: 94 Resp: 103449  
 Ion Ratio Lower Upper  
 94 100  
 96 93.6 65.5 121.7

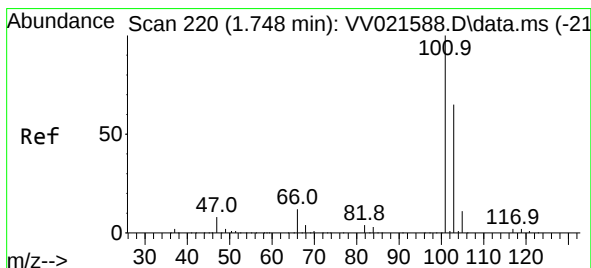
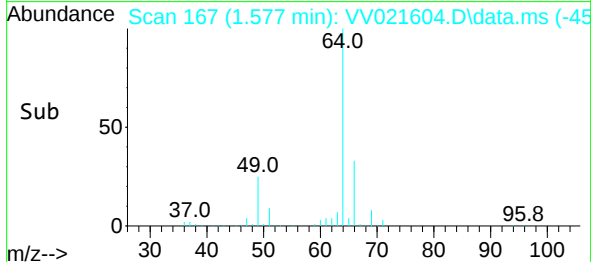
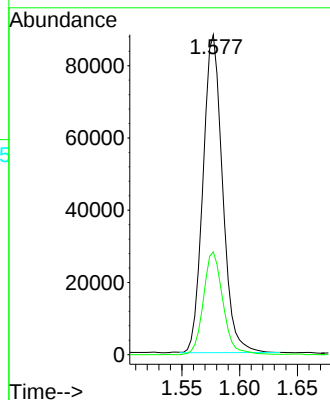
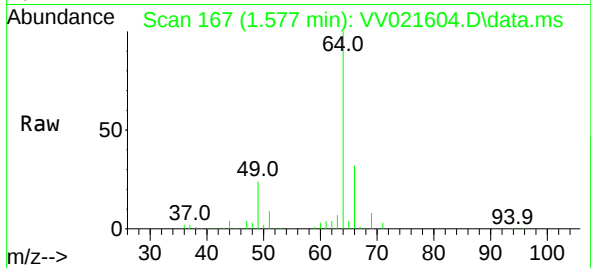




#8  
Chloroethane  
Concen: 45.887 ug/L  
RT: 1.577 min Scan# 167  
Delta R.T. -0.006 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

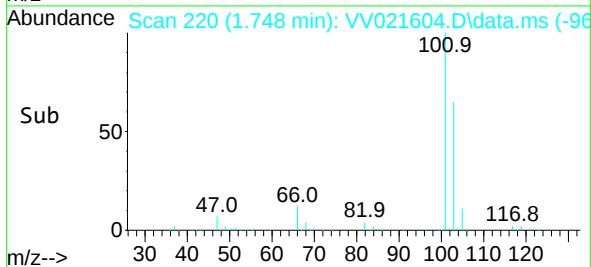
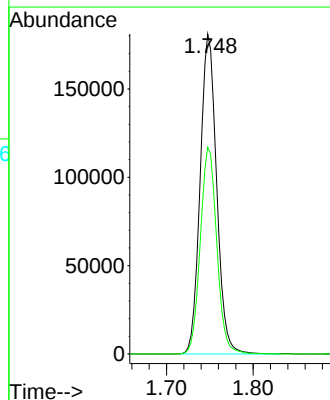
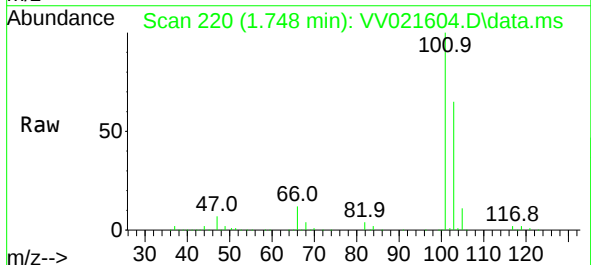
Instrument :  
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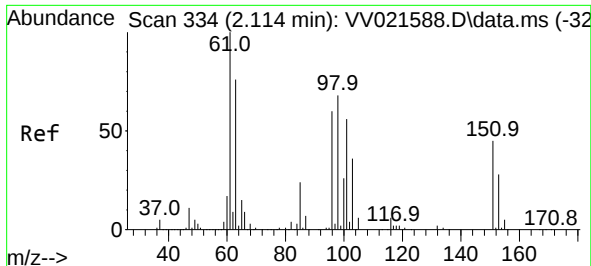
Tgt Ion: 64 Resp: 103567  
Ion Ratio Lower Upper  
64 100  
66 32.1 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 48.294 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion:101 Resp: 238606  
Ion Ratio Lower Upper  
101 100  
103 64.7 52.4 78.6

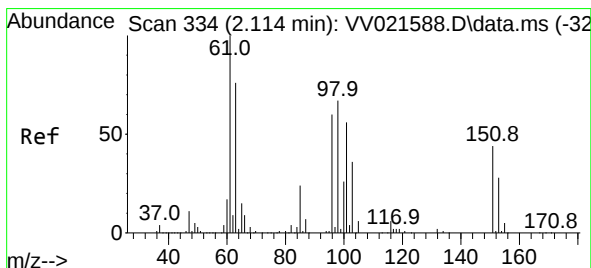
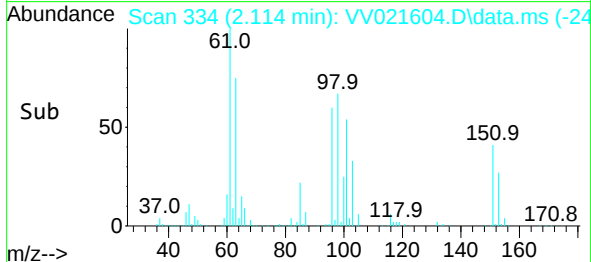
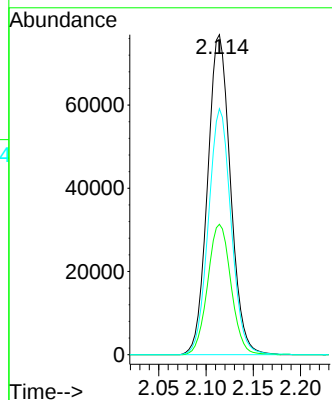
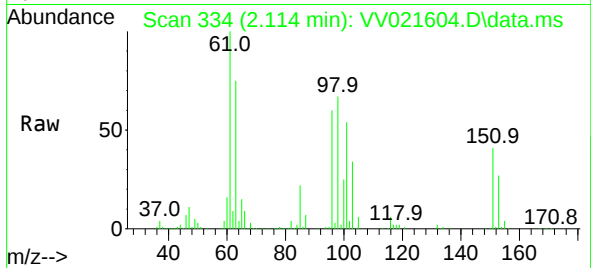




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 45.730 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. -0.000 min  
 Lab File: VV021604.D  
 Acq: 02 Jul 2021 17:42

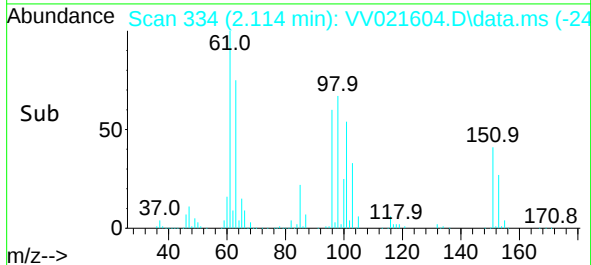
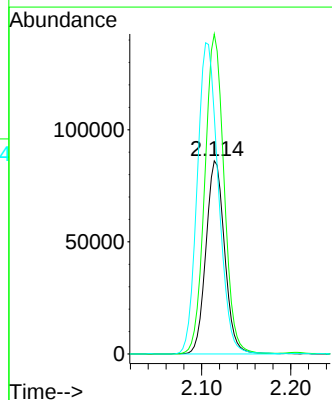
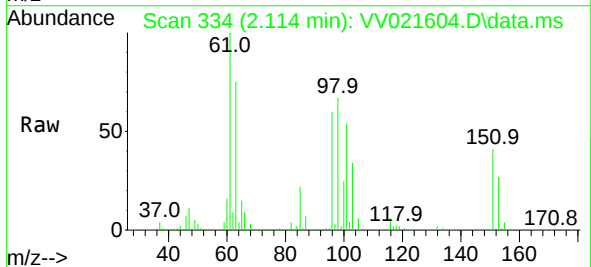
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050180

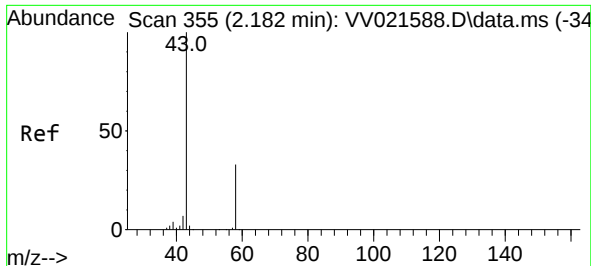
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 Ion Ratio Lower Upper  
 101 100  
 85 41.6 33.3 49.9  
 151 76.5 62.8 94.2



#12  
 1,1-Dichloroethene  
 Concen: 46.129 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. -0.000 min  
 Lab File: VV021604.D  
 Acq: 02 Jul 2021 17:42

Tgt Ion: 96 Resp: 125459  
 Ion Ratio Lower Upper  
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 63 123.4 90.8 168.6

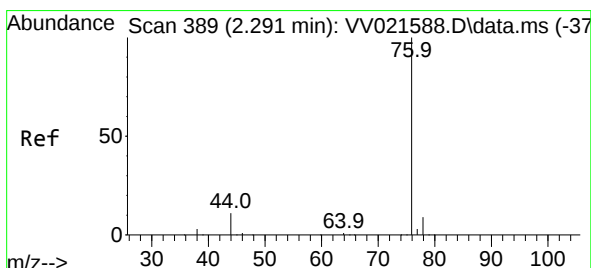
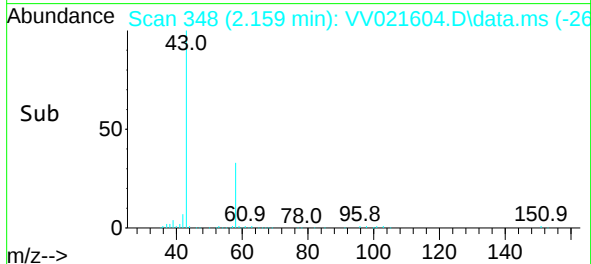
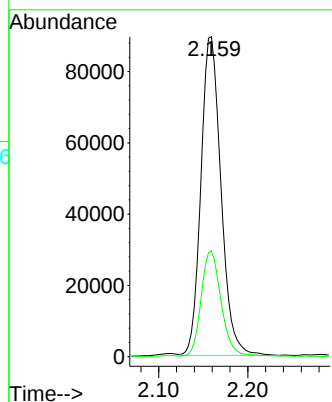
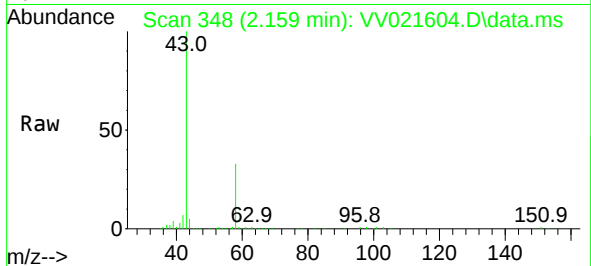




#13  
Acetone  
Concen: 65.703 ug/L  
RT: 2.159 min Scan# 348  
Delta R.T. -0.023 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

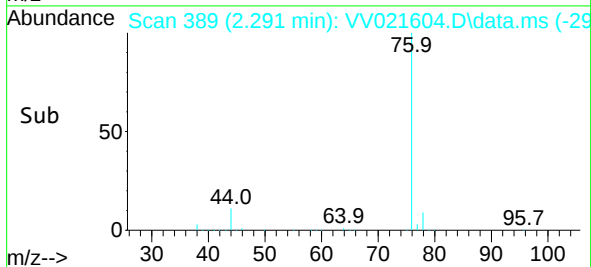
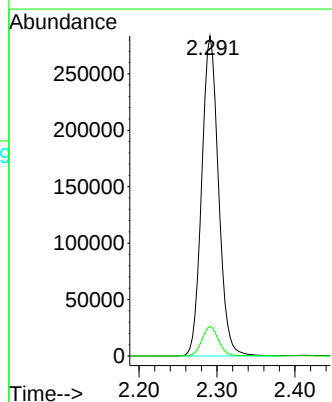
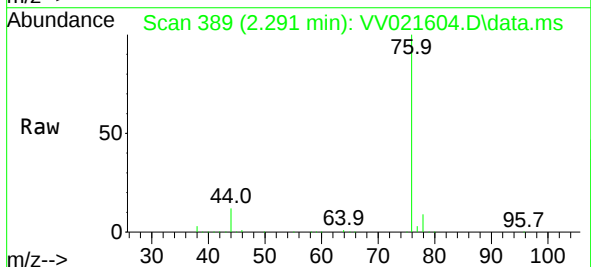
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

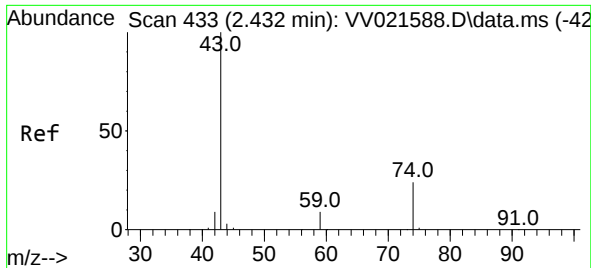
Tgt Ion: 43 Resp: 139776  
Ion Ratio Lower Upper  
43 100  
58 33.4 0.0 0.0#



#14  
Carbon disulfide  
Concen: 44.227 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion: 76 Resp: 424081  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.4 11.0

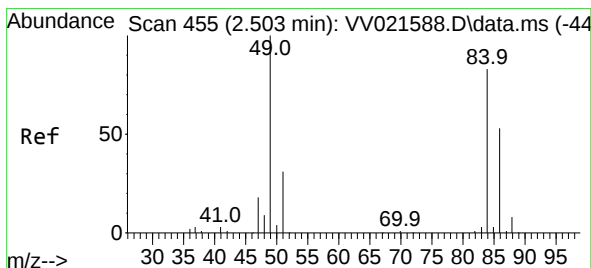
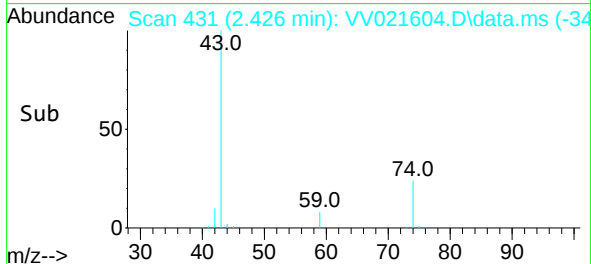
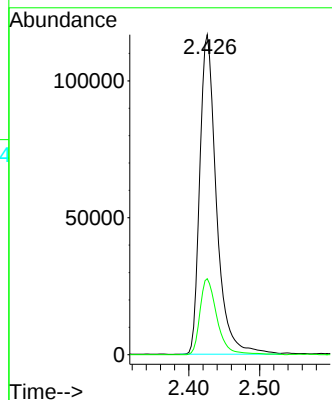
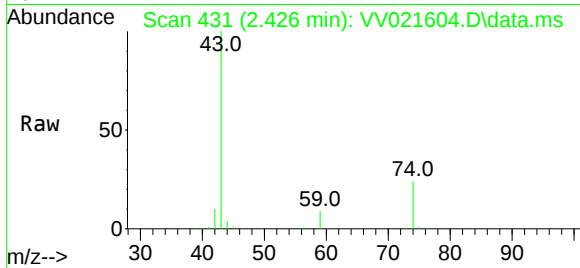




#15  
Methyl Acetate  
Concen: 48.195 ug/L  
RT: 2.426 min Scan# 431  
Delta R.T. -0.006 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

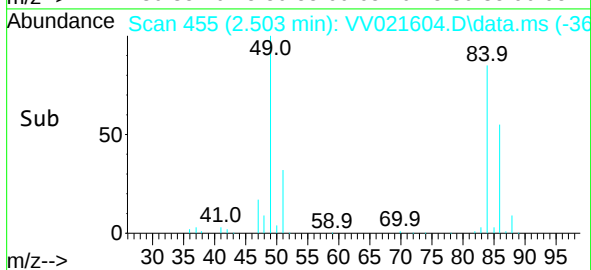
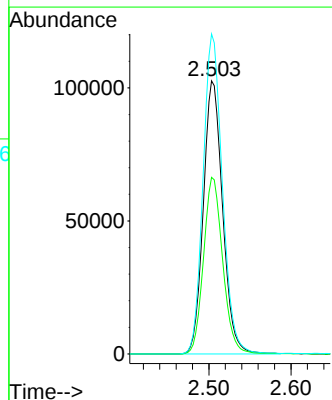
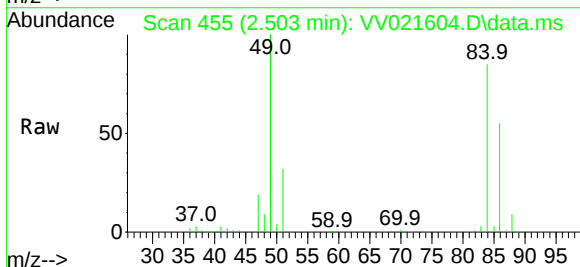
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

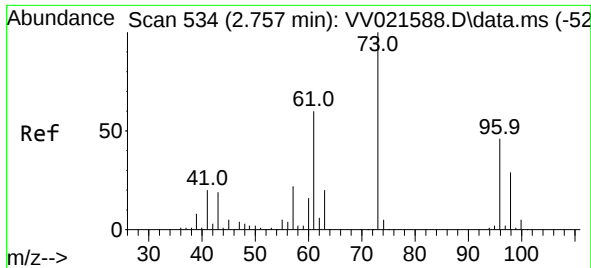
Tgt Ion: 43 Resp: 190529  
Ion Ratio Lower Upper  
43 100  
74 24.2 19.0 28.6



#16  
Methylene chloride  
Concen: 45.553 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion: 84 Resp: 168184  
Ion Ratio Lower Upper  
84 100  
86 64.7 45.1 83.9  
49 117.1 82.5 153.3

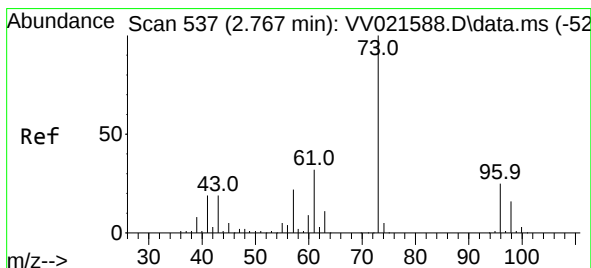
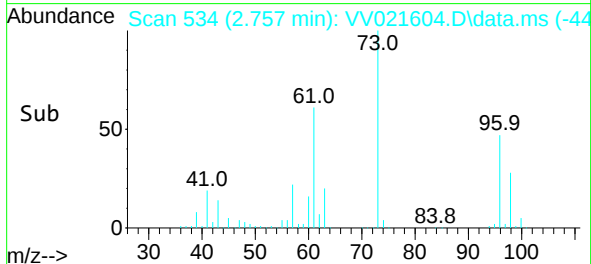
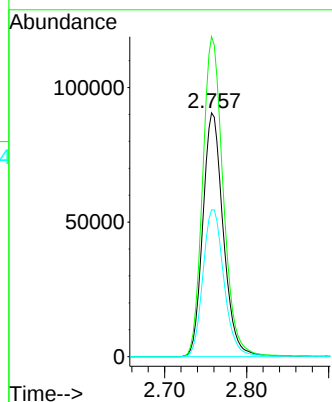
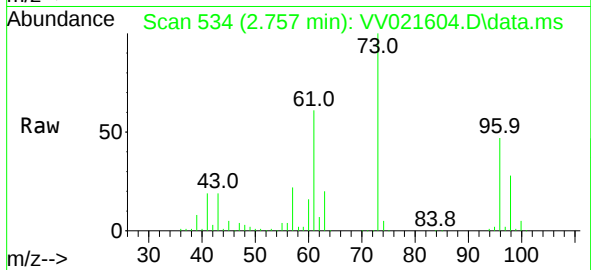




#17  
trans-1,2-Dichloroethene  
Concen: 47.193 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

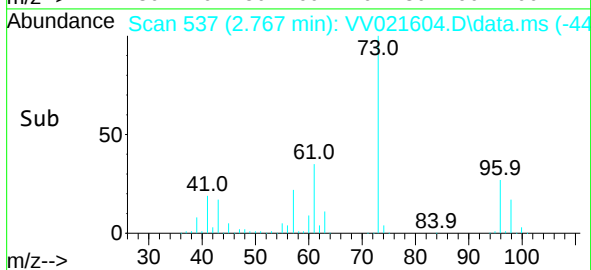
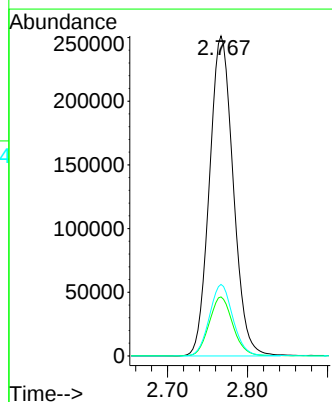
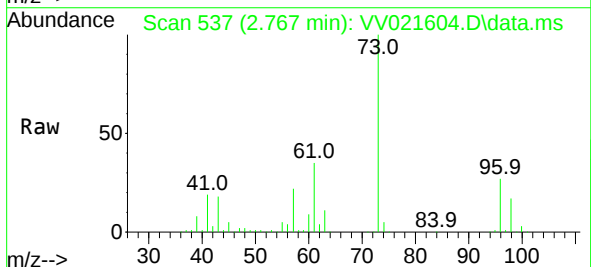
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

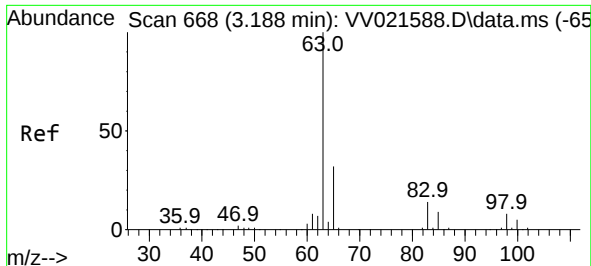
Tgt Ion: 96 Resp: 156587  
Ion Ratio Lower Upper  
96 100  
61 131.3 93.0 172.6  
98 60.3 44.2 82.0



#18  
Methyl tert-butyl Ether  
Concen: 48.283 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion: 73 Resp: 518871  
Ion Ratio Lower Upper  
73 100  
43 18.2 14.6 22.0  
57 22.1 17.4 26.2





#19

1,1-Dichloroethane

Concen: 47.484 ug/L

RT: 3.188 min Scan# 668

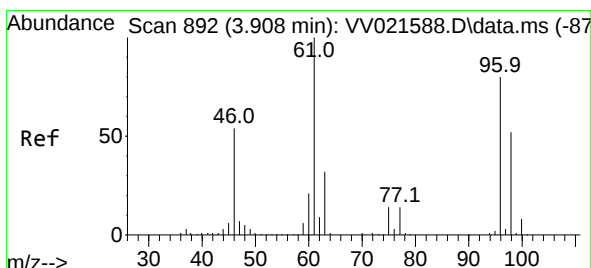
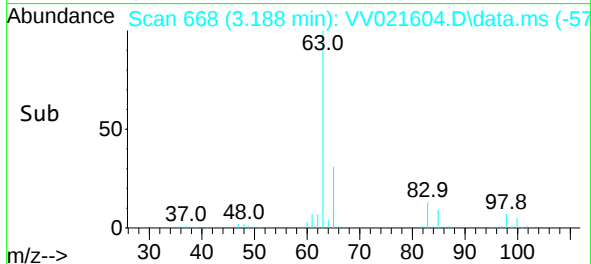
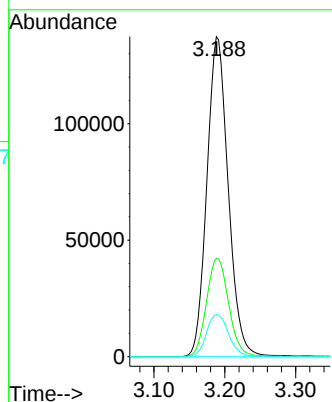
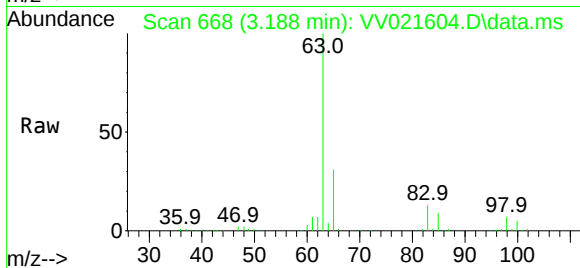
Delta R.T. -0.000 min

Lab File: VV021604.D

Acq: 02 Jul 2021 17:42

Tgt Ion: 63 Resp: 286992

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 30.8  | 22.4  | 41.6  |
| 83  | 13.2  | 9.4   | 17.6  |



#20

cis-1,2-Dichloroethene

Concen: 47.987 ug/L

RT: 3.911 min Scan# 893

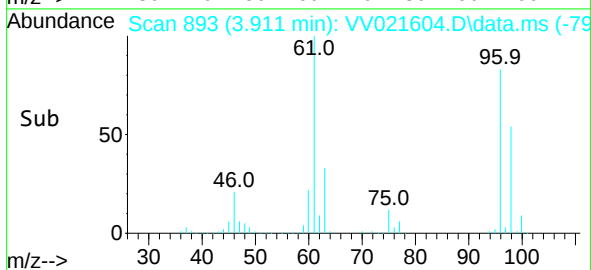
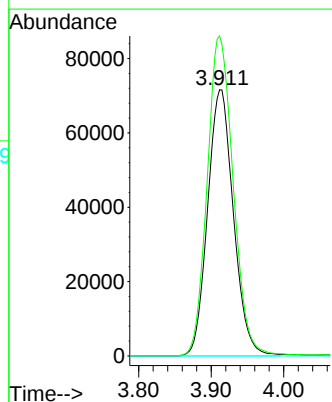
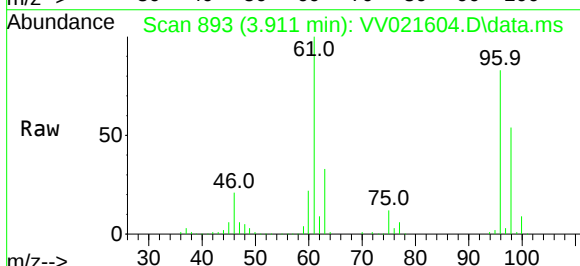
Delta R.T. 0.003 min

Lab File: VV021604.D

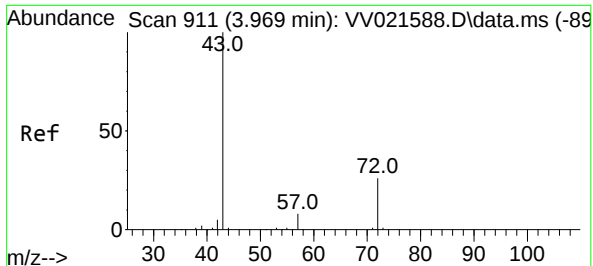
Acq: 02 Jul 2021 17:42

Tgt Ion: 96 Resp: 177054

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 120.2 | 86.9  | 161.3 |
| 68  | 0.0   | 0.0   | 0.0   |



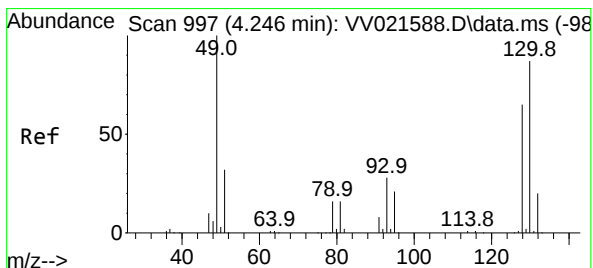
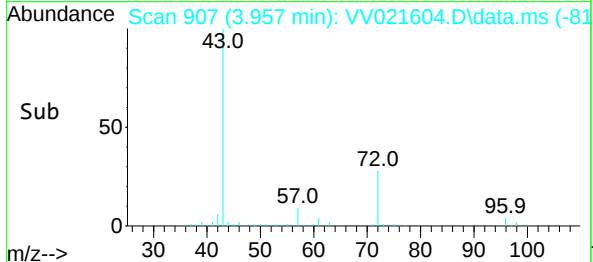
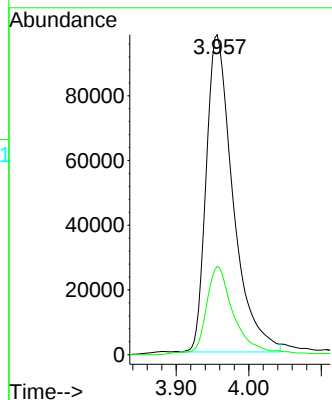
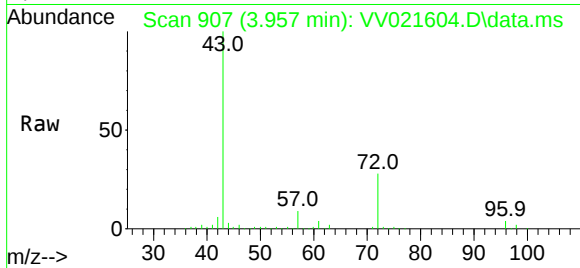
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180



#22  
2-Butanone  
Concen: 85.584 ug/L  
RT: 3.957 min Scan# 907  
Delta R.T. -0.013 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

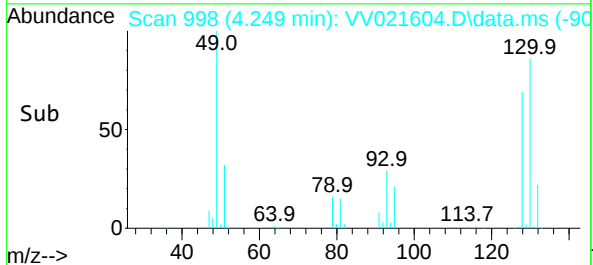
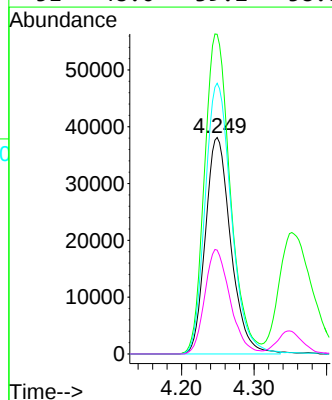
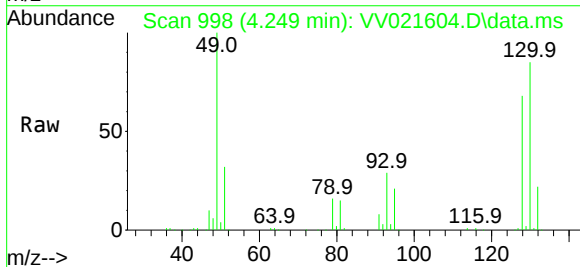
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

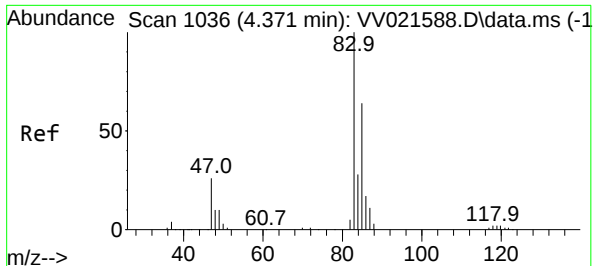
Tgt Ion: 43 Resp: 251451  
Ion Ratio Lower Upper  
43 100  
72 27.8 13.3 39.8



#23  
Bromochloromethane  
Concen: 47.626 ug/L  
RT: 4.249 min Scan# 998  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion:128 Resp: 92750  
Ion Ratio Lower Upper  
128 100  
49 147.7 107.5 199.7  
130 125.0 92.2 171.2  
51 48.0 39.2 58.8





#25

Chloroform

Concen: 47.499 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VV021604.D

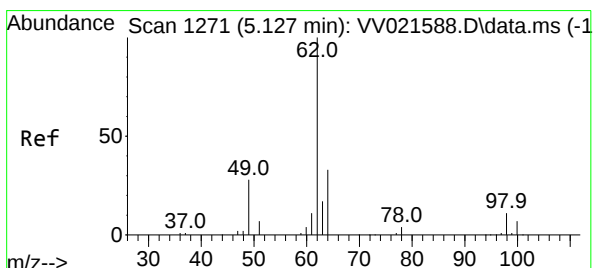
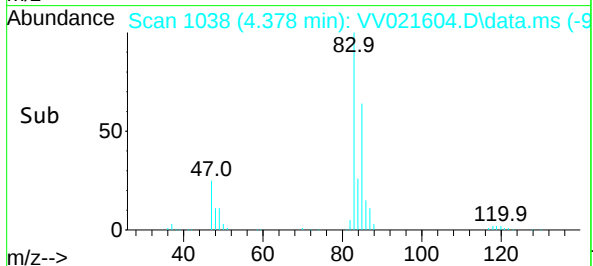
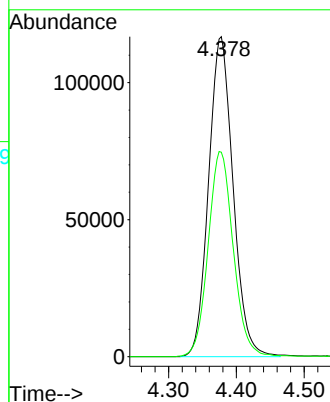
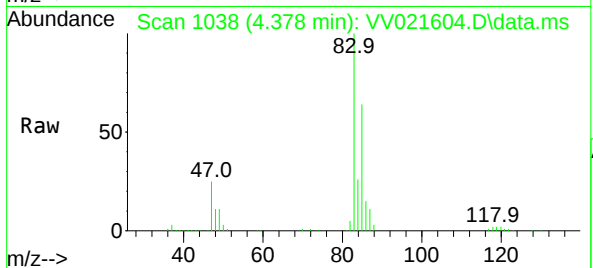
Acq: 02 Jul 2021 17:42

Tgt Ion: 83 Resp: 292688

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.7



#27

1,2-Dichloroethane

Concen: 47.242 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VV021604.D

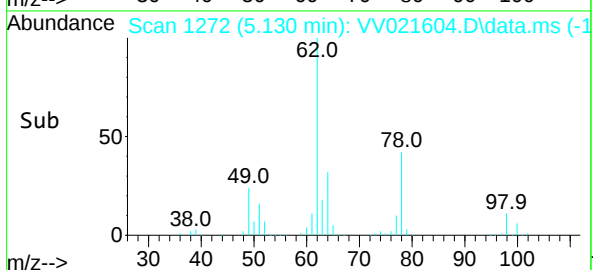
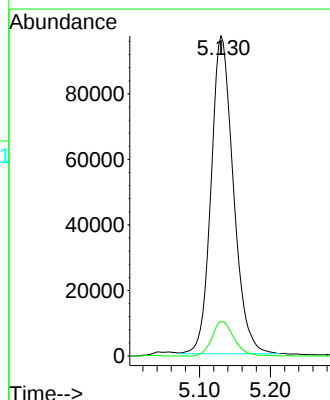
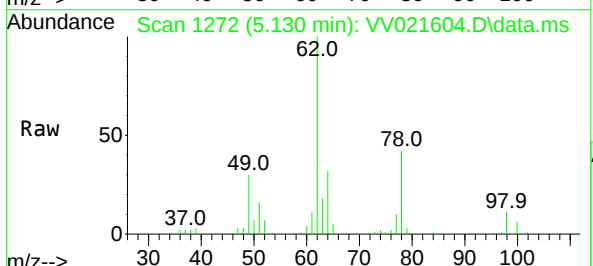
Acq: 02 Jul 2021 17:42

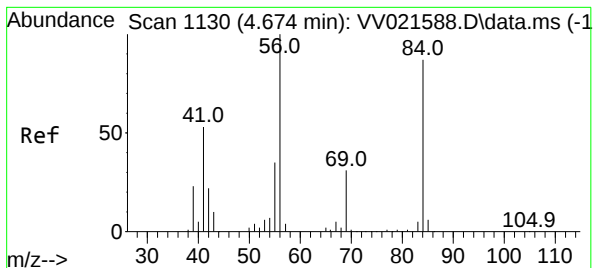
Tgt Ion: 62 Resp: 211730

Ion Ratio Lower Upper

62 100

98 10.7 8.2 12.4





#29

Cyclohexane

Concen: 45.485 ug/L

RT: 4.677 min Scan# 1131

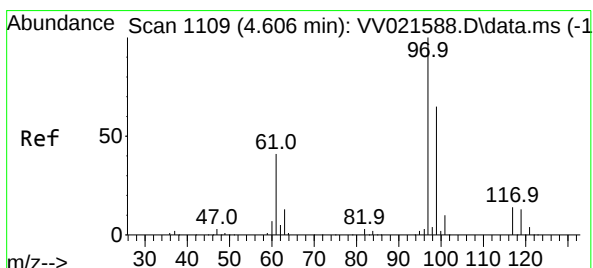
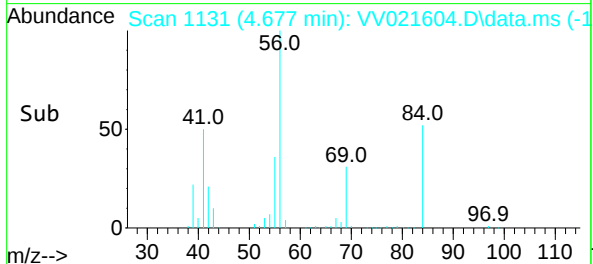
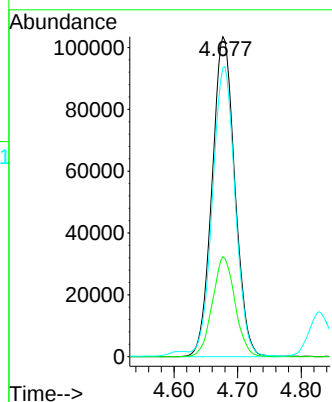
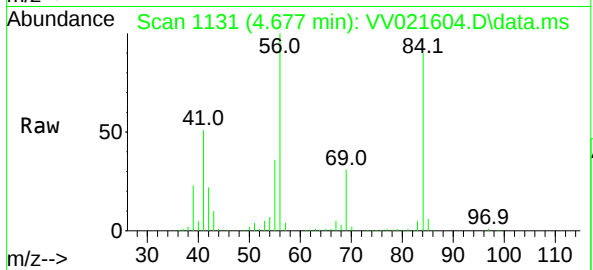
Delta R.T. 0.003 min

Lab File: VV021604.D

Acq: 02 Jul 2021 17:42

Tgt Ion: 56 Resp: 257384

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 30.9  | 24.9  | 37.3  |
| 84  | 89.8  | 71.6  | 107.4 |



#30

1,1,1-Trichloroethane

Concen: 46.782 ug/L

RT: 4.609 min Scan# 1110

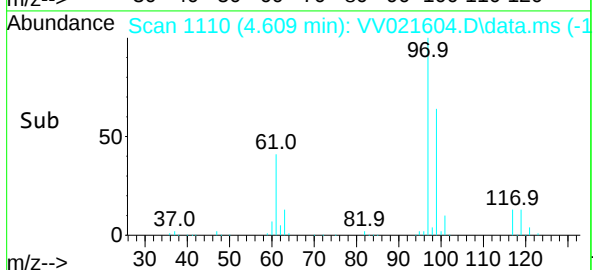
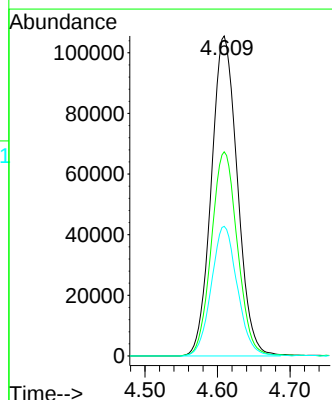
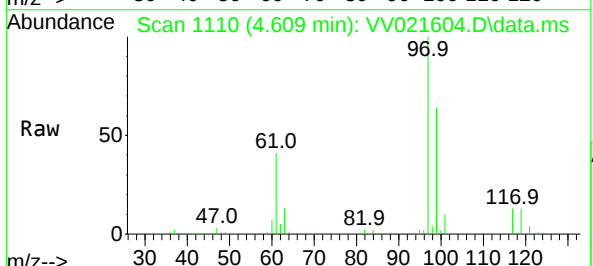
Delta R.T. 0.003 min

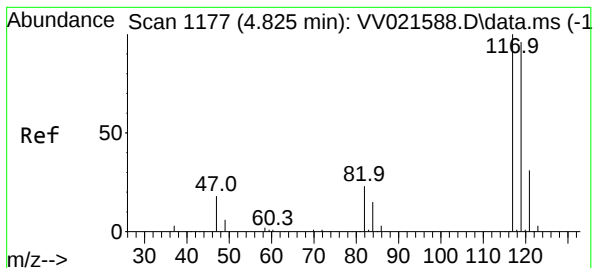
Lab File: VV021604.D

Acq: 02 Jul 2021 17:42

Tgt Ion: 97 Resp: 263570

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.8  | 52.1  | 78.1  |
| 61  | 40.5  | 32.6  | 49.0  |

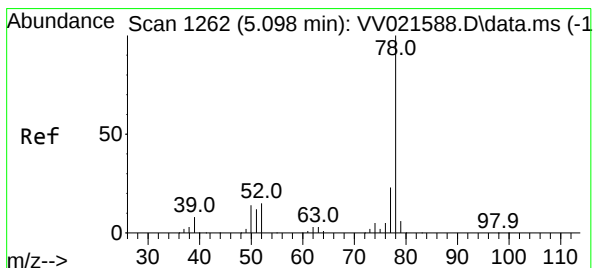
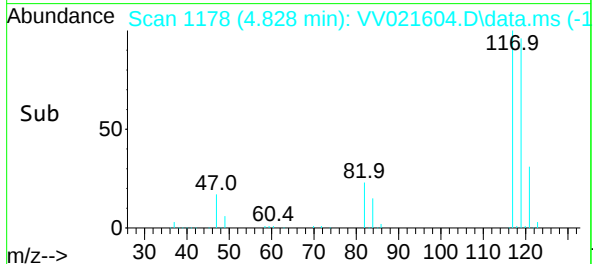
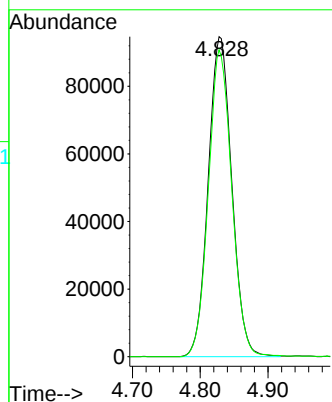
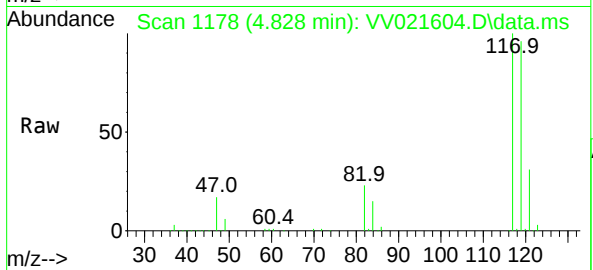




#31  
Carbon tetrachloride  
Concen: 46.094 ug/L  
RT: 4.828 min Scan# 1178  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

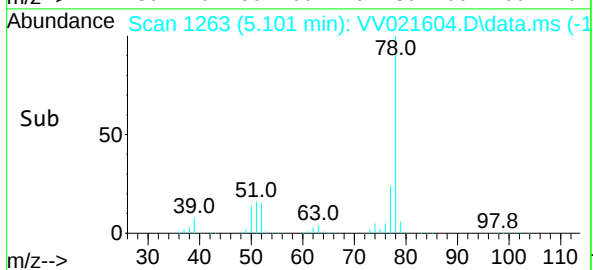
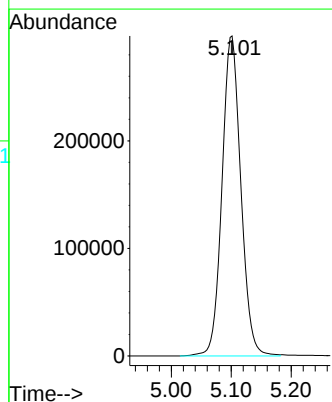
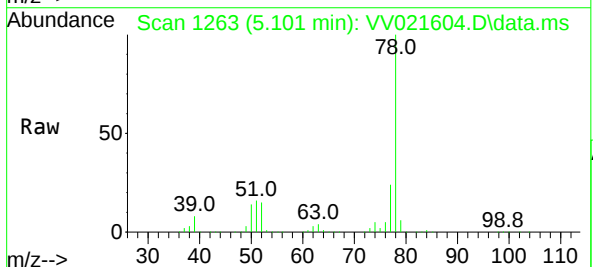
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

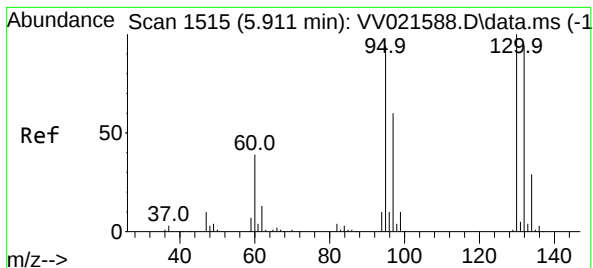
Tgt Ion:117 Resp: 228712  
Ion Ratio Lower Upper  
117 100  
119 95.3 76.5 114.7



#33  
Benzene  
Concen: 47.466 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion: 78 Resp: 647354

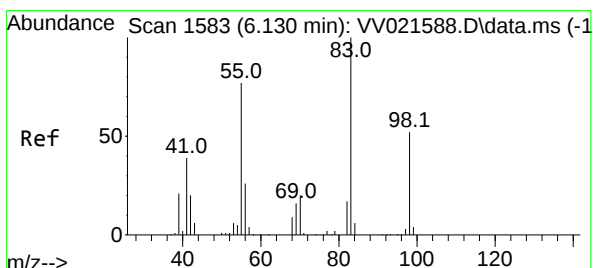
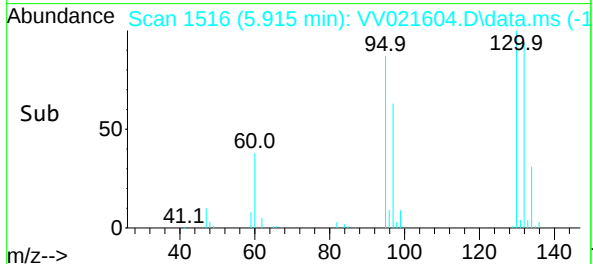
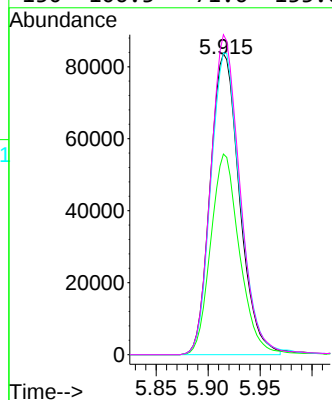
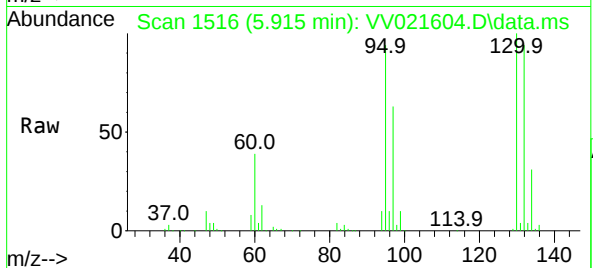




#34  
Trichloroethene  
Concen: 44.491 ug/L  
RT: 5.915 min Scan# 1516  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

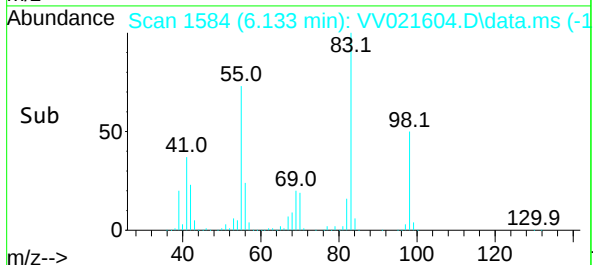
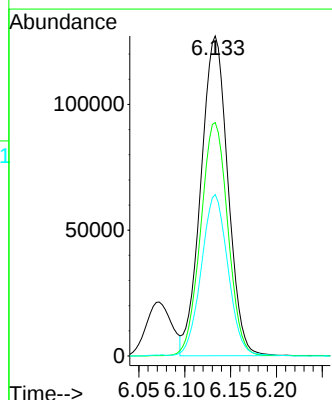
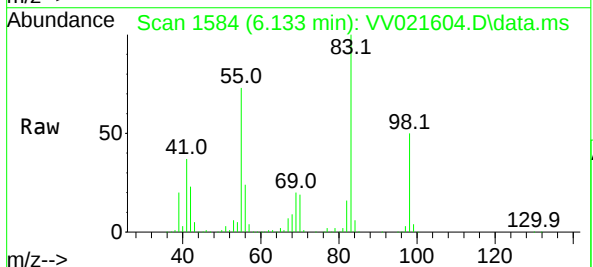
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

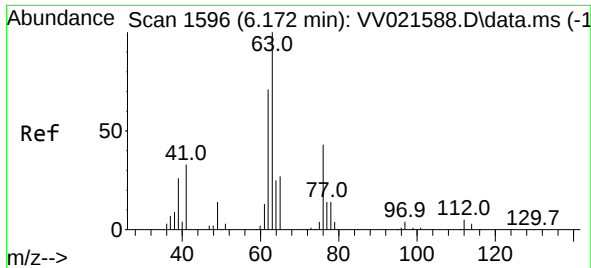
Tgt Ion: 95 Resp: 164016  
Ion Ratio Lower Upper  
95 100  
97 66.7 44.6 82.8  
132 100.2 69.0 128.1  
130 106.3 71.6 133.0



#35  
Methylcyclohexane  
Concen: 44.542 ug/L  
RT: 6.133 min Scan# 1584  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion: 83 Resp: 260695  
Ion Ratio Lower Upper  
83 100  
55 73.2 58.7 88.1  
98 50.1 39.7 59.5

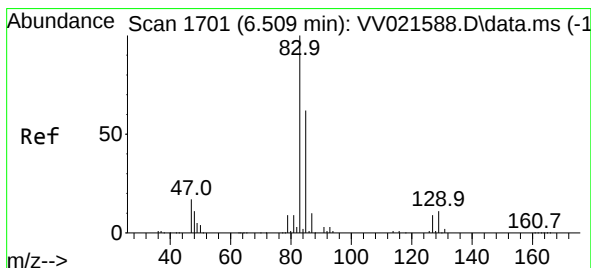
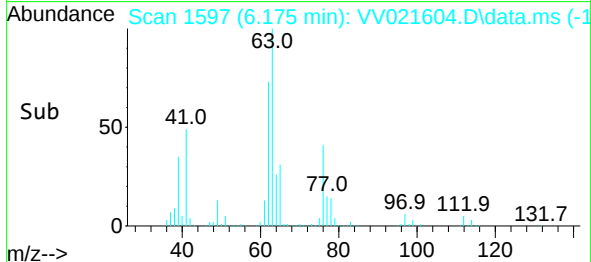
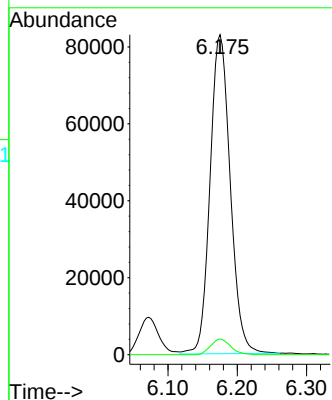
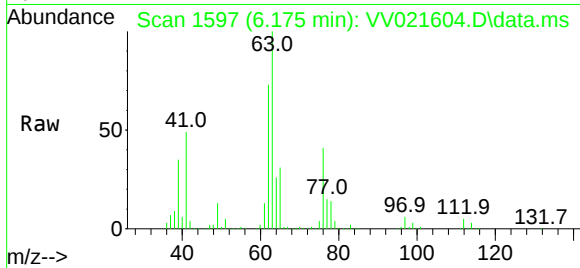




#37  
1,2-Dichloropropane  
Concen: 47.335 ug/L  
RT: 6.175 min Scan# 1597  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

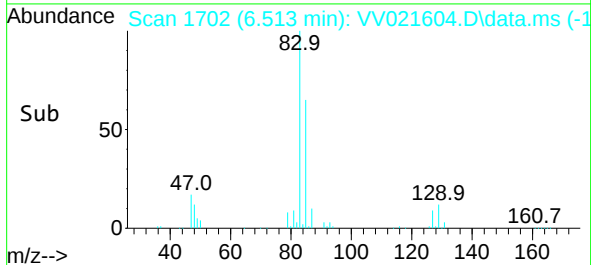
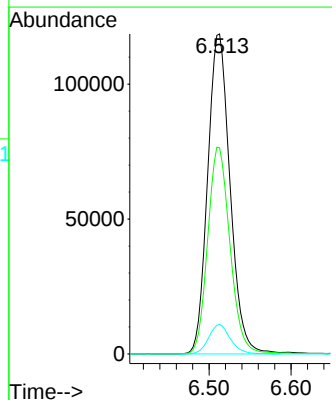
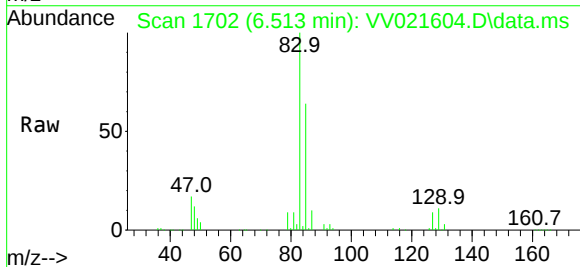
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

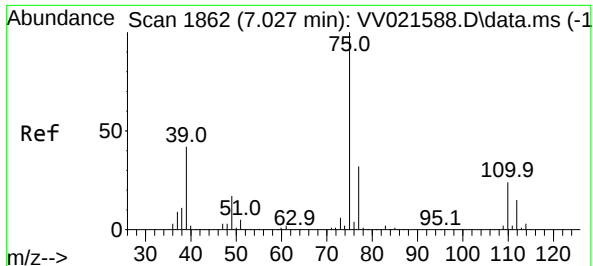
Tgt Ion: 63 Resp: 167797  
Ion Ratio Lower Upper  
63 100  
112 4.8 3.8 5.6



#38  
Bromodichloromethane  
Concen: 46.958 ug/L  
RT: 6.513 min Scan# 1702  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion: 83 Resp: 224963  
Ion Ratio Lower Upper  
83 100  
85 64.5 46.3 86.1  
127 9.3 7.3 10.9

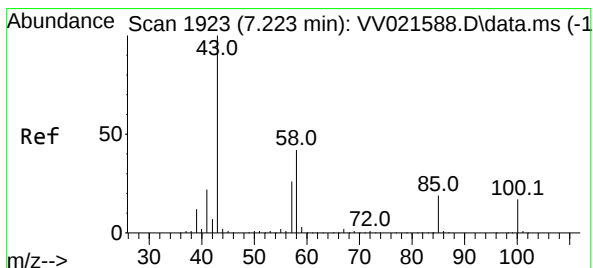
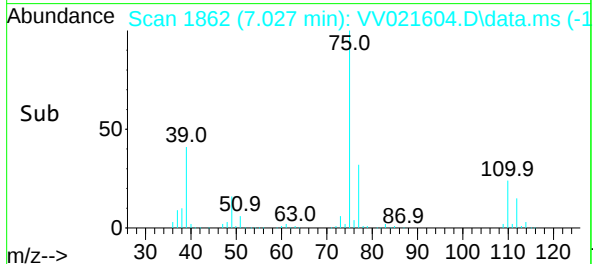
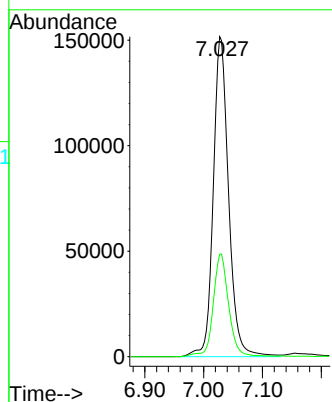
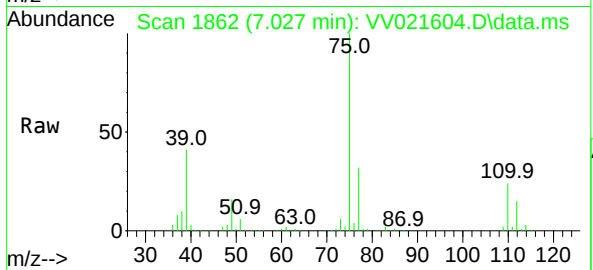




#39  
 cis-1,3-Dichloropropene  
 Concen: 47.059 ug/L  
 RT: 7.027 min Scan# 1862  
 Delta R.T. -0.000 min  
 Lab File: VV021604.D  
 Acq: 02 Jul 2021 17:42

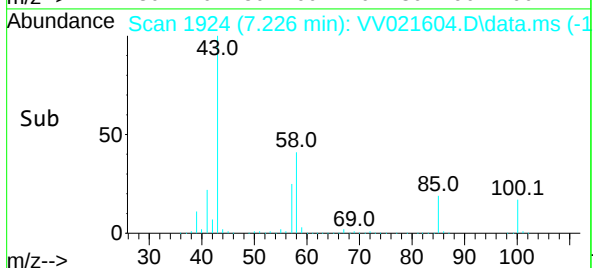
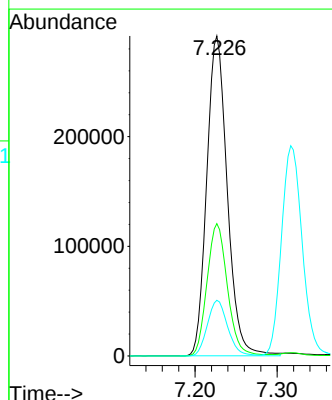
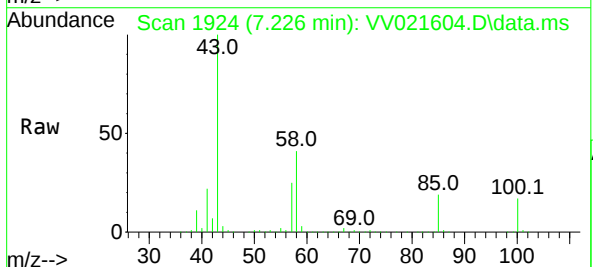
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050180

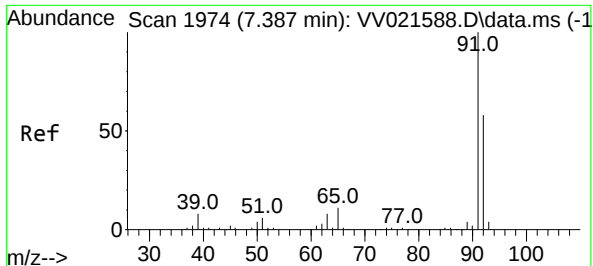
Tgt Ion: 75 Resp: 275094  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 22.5 41.7



#40  
 4-Methyl-2-pentanone  
 Concen: 97.586 ug/L  
 RT: 7.226 min Scan# 1924  
 Delta R.T. 0.003 min  
 Lab File: VV021604.D  
 Acq: 02 Jul 2021 17:42

Tgt Ion: 43 Resp: 507808  
 Ion Ratio Lower Upper  
 43 100  
 58 41.1 32.8 49.2  
 100 17.2 13.5 20.3

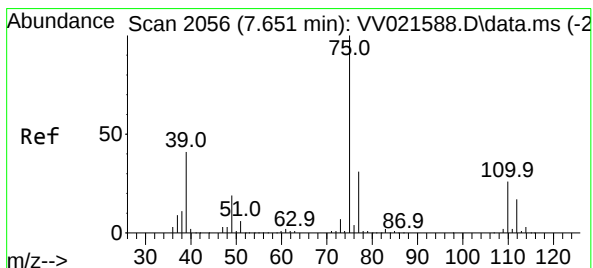
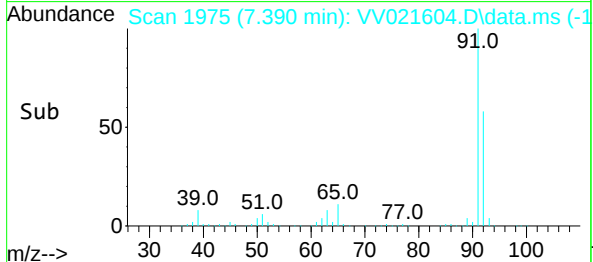
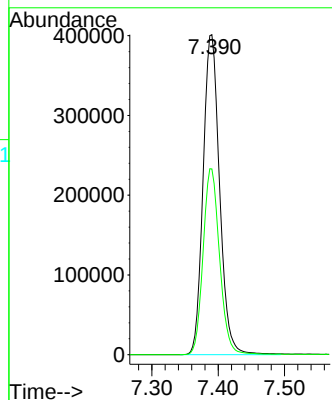
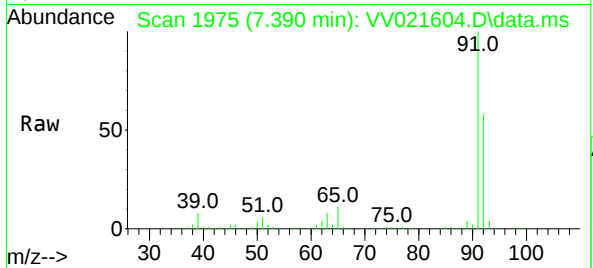




#42  
Toluene  
Concen: 47.434 ug/L  
RT: 7.390 min Scan# 1975  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

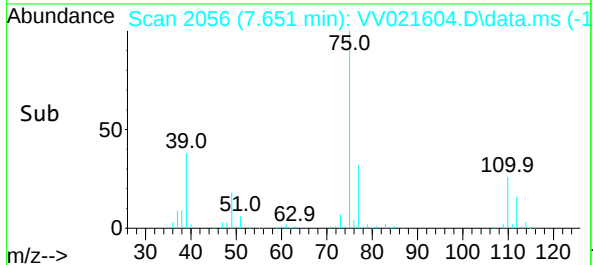
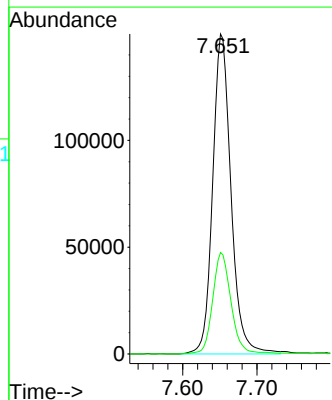
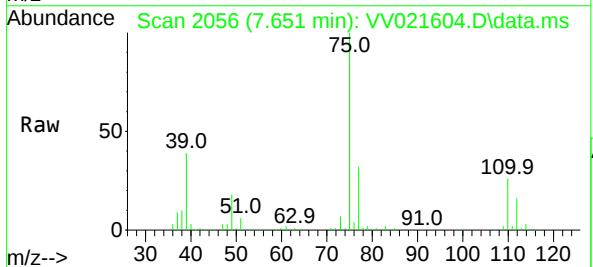
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

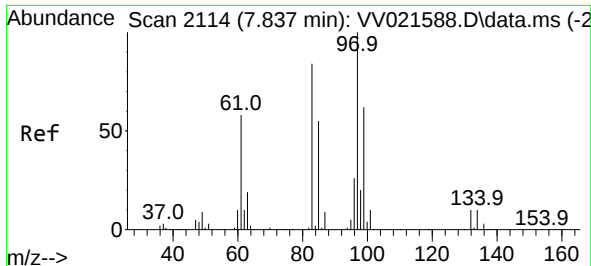
Tgt Ion: 91 Resp: 692910  
Ion Ratio Lower Upper  
91 100  
92 58.0 40.6 75.4



#44  
trans-1,3-Dichloropropene  
Concen: 46.959 ug/L  
RT: 7.651 min Scan# 2056  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion: 75 Resp: 256355  
Ion Ratio Lower Upper  
75 100  
77 31.7 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 48.346 ug/L

RT: 7.841 min Scan# 2115

Delta R.T. 0.003 min

Lab File: VV021604.D

Acq: 02 Jul 2021 17:42

Tgt Ion: 97 Resp: 168364

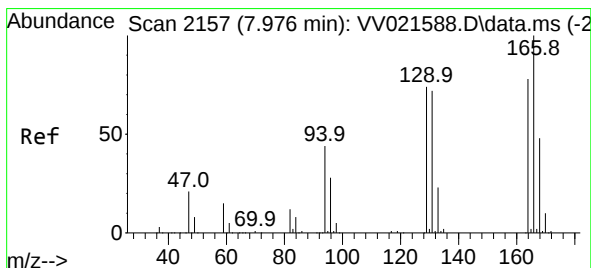
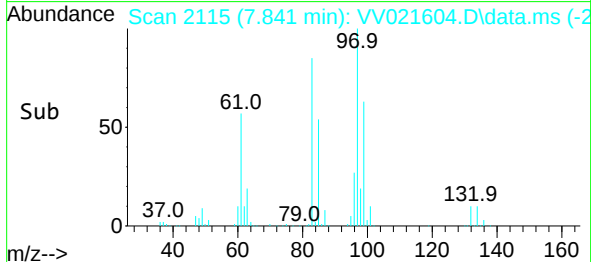
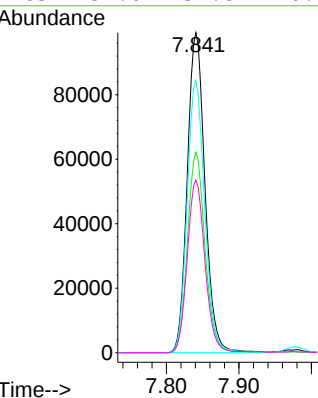
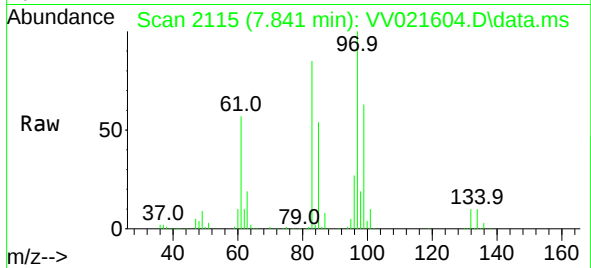
Ion Ratio Lower Upper

97 100

99 62.6 44.4 82.4

83 85.1 58.8 109.2

85 54.0 37.8 70.2



#46

Tetrachloroethene

Concen: 45.547 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV021604.D

Acq: 02 Jul 2021 17:42

Tgt Ion: 164 Resp: 133546

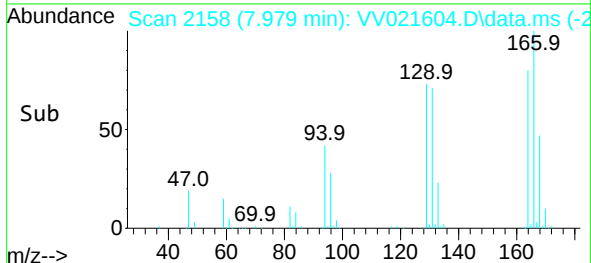
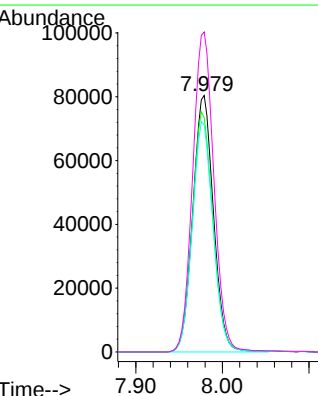
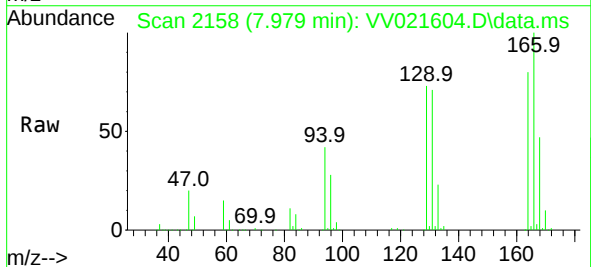
Ion Ratio Lower Upper

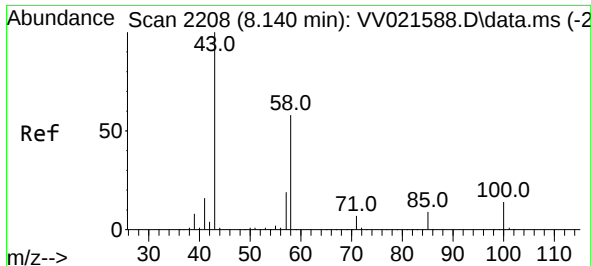
164 100

129 91.5 65.9 122.3

131 88.6 64.0 119.0

166 124.7 89.0 165.2



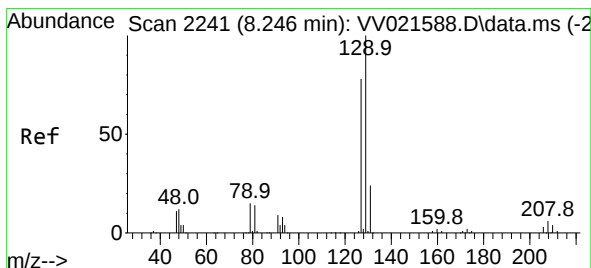
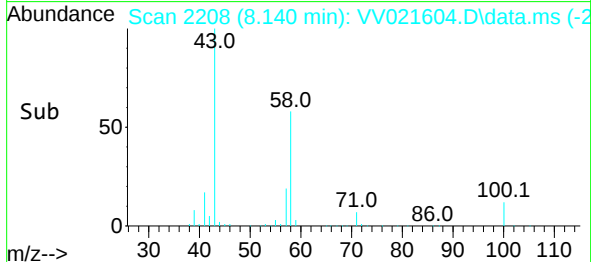
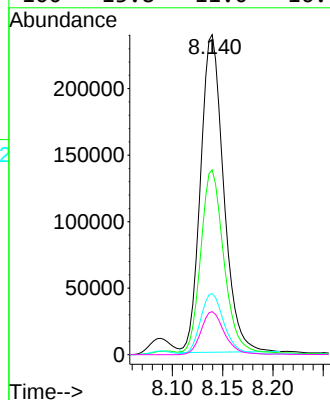
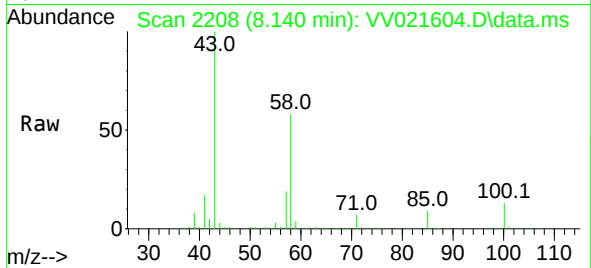


#48  
2-Hexanone  
Concen: 92.614 ug/L  
RT: 8.140 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

Tgt Ion: 43 Resp: 380934

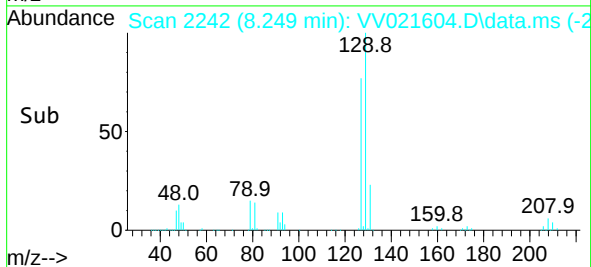
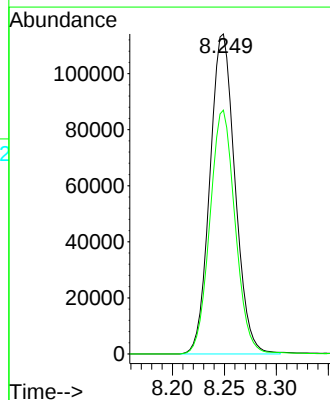
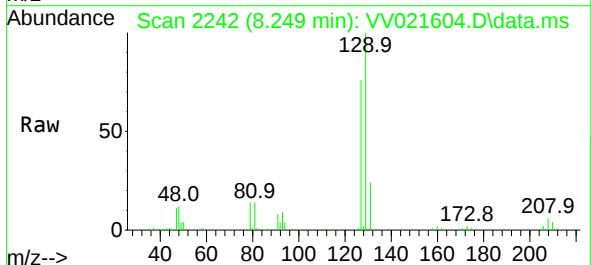
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 58.2  | 46.7  | 70.1  |
| 57  | 20.0  | 15.5  | 23.3  |
| 100 | 13.8  | 11.0  | 16.4  |

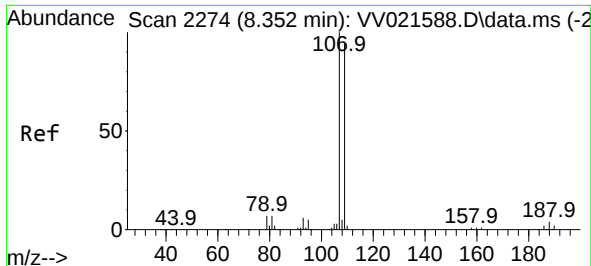


#49  
Dibromochloromethane  
Concen: 47.896 ug/L  
RT: 8.249 min Scan# 2242  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion: 129 Resp: 192093

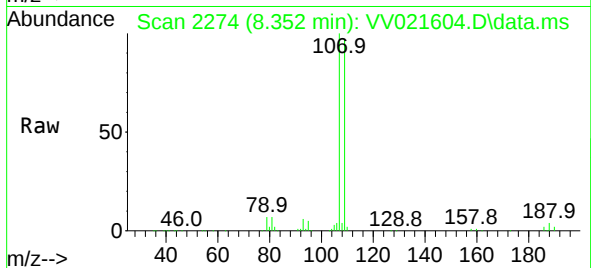
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.2  | 53.1  | 98.7  |



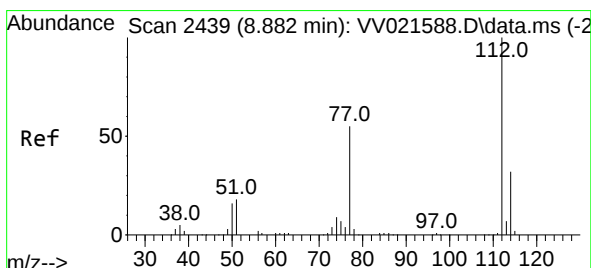
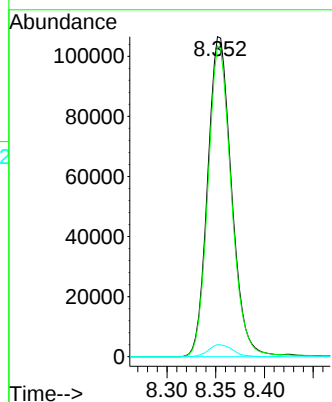
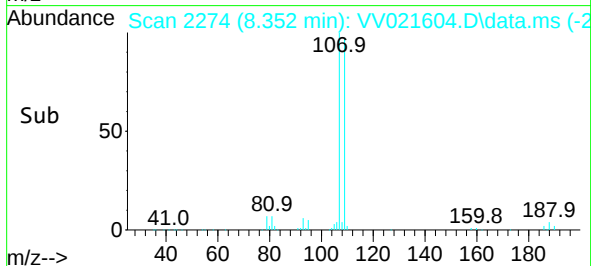


#50  
1,2-Dibromoethane  
Concen: 47.461 ug/L  
RT: 8.352 min Scan# 2274  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

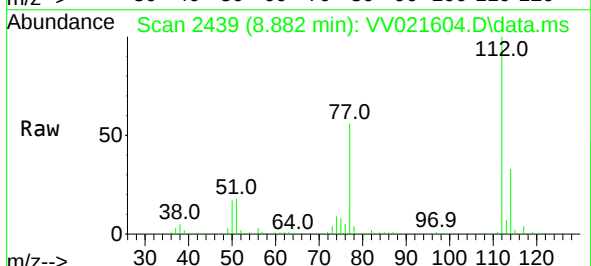
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180



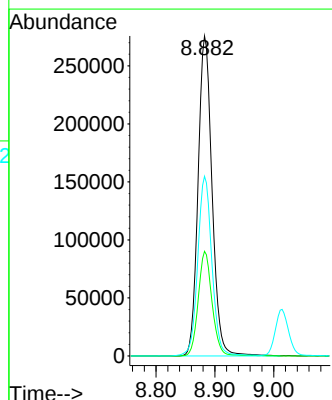
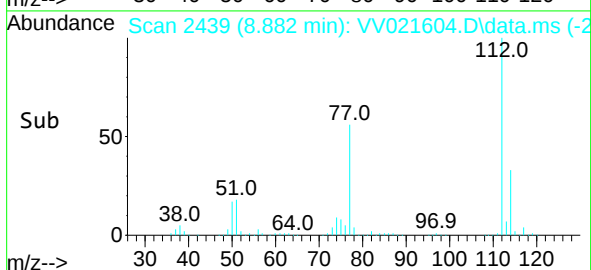
Tgt Ion:107 Resp: 181222  
Ion Ratio Lower Upper  
107 100  
109 97.1 65.8 122.2  
188 3.8 3.1 4.7

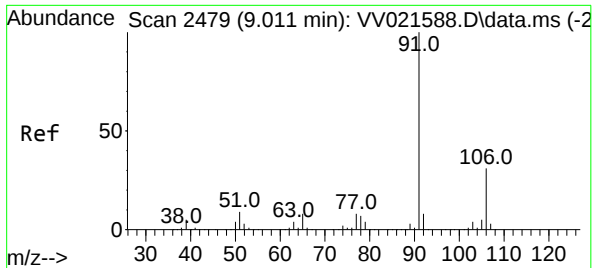


#51  
Chlorobenzene  
Concen: 47.915 ug/L  
RT: 8.882 min Scan# 2439  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42



Tgt Ion:112 Resp: 455498  
Ion Ratio Lower Upper  
112 100  
114 32.7 21.9 40.7  
77 56.2 44.0 66.0

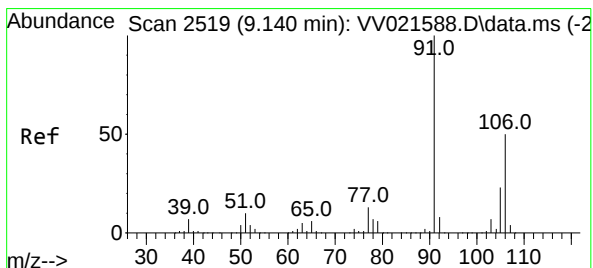
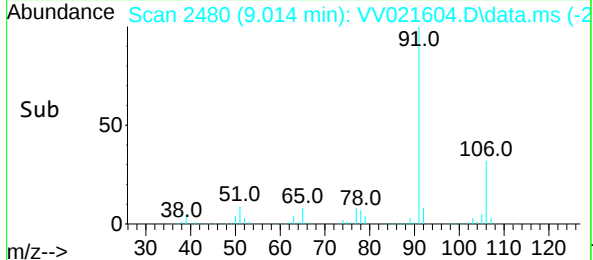
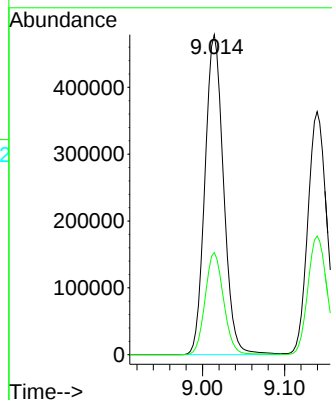
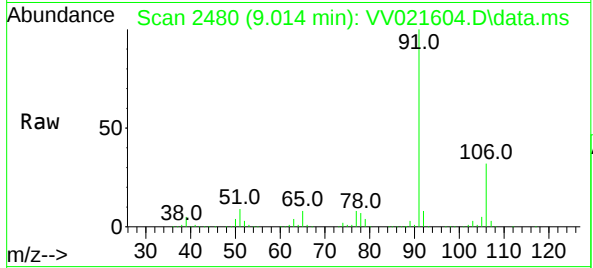




#52  
Ethylbenzene  
Concen: 47.569 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

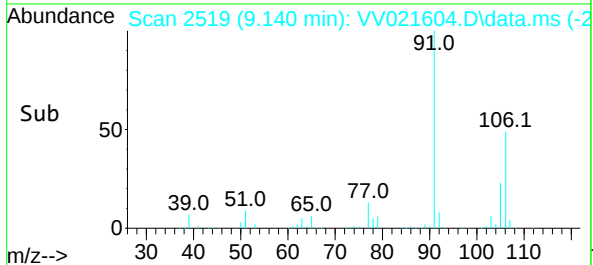
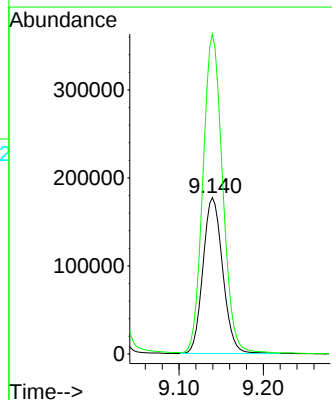
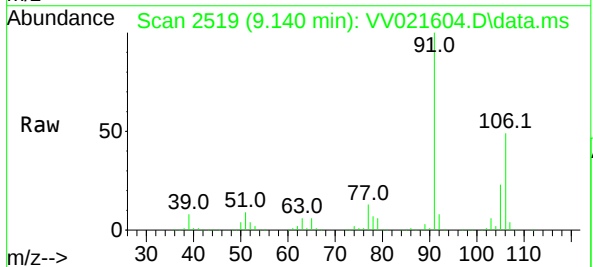
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

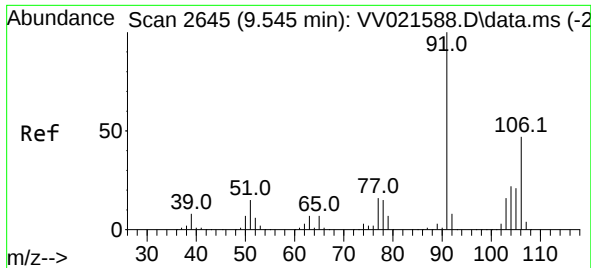
Tgt Ion: 91 Resp: 754925  
Ion Ratio Lower Upper  
91 100  
106 31.9 21.8 40.6



#53  
m,p-Xylene  
Concen: 47.579 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion: 106 Resp: 289773  
Ion Ratio Lower Upper  
106 100  
91 204.7 138.7 257.5

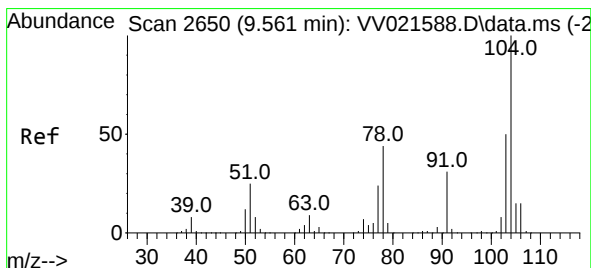
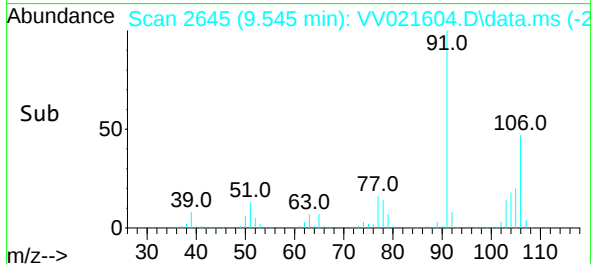
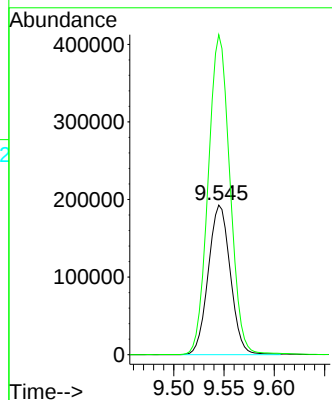
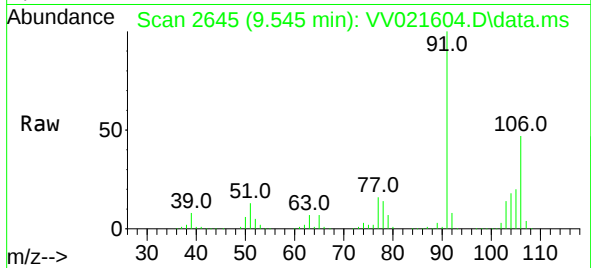




#54  
o-Xylene  
Concen: 48.369 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

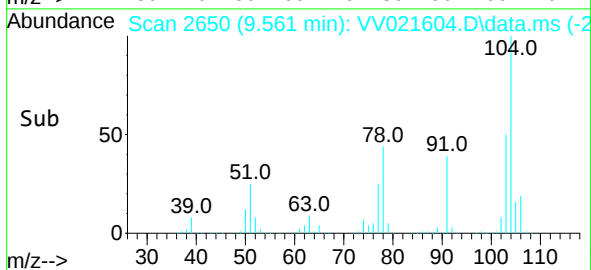
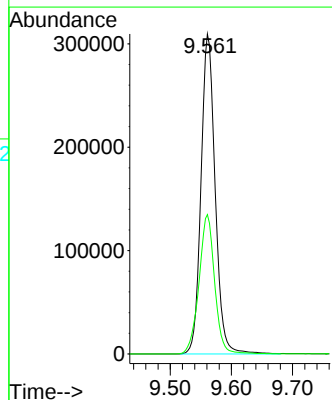
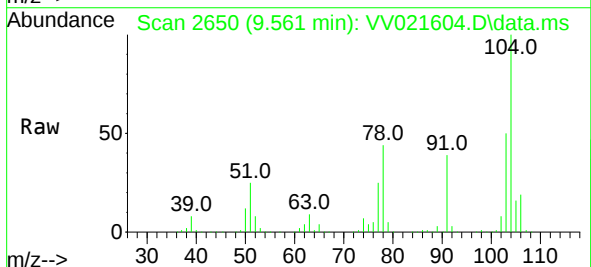
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

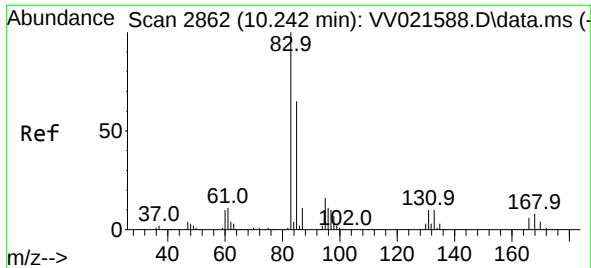
Tgt Ion:106 Resp: 293892  
Ion Ratio Lower Upper  
106 100  
91 213.9 149.0 276.8



#55  
Styrene  
Concen: 48.523 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion:104 Resp: 498192  
Ion Ratio Lower Upper  
104 100  
78 43.5 30.6 56.8

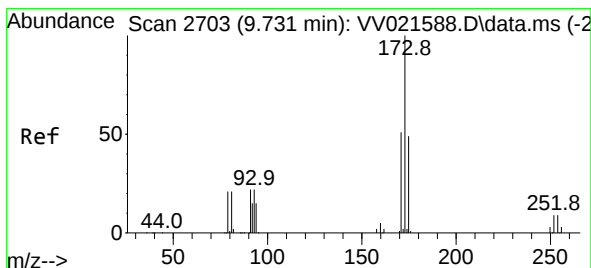
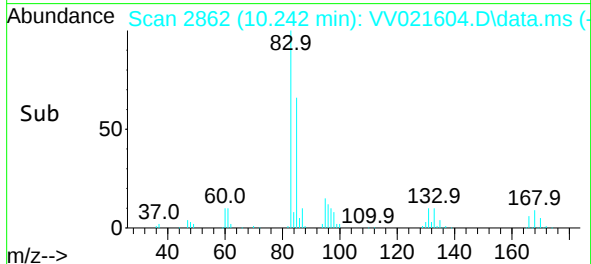
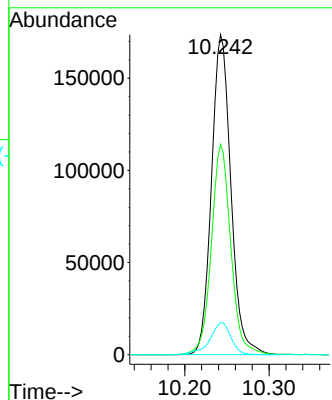
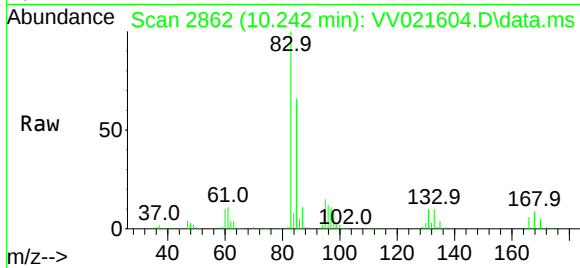




#57  
1,1,2,2-Tetrachloroethane  
Concen: 51.256 ug/L  
RT: 10.242 min Scan# 2862  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

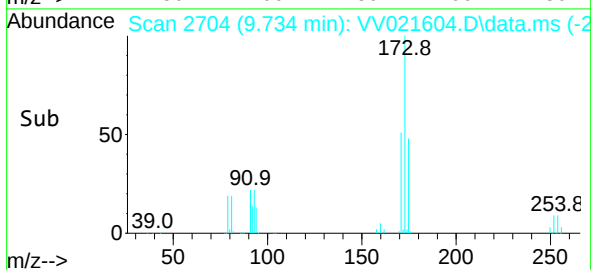
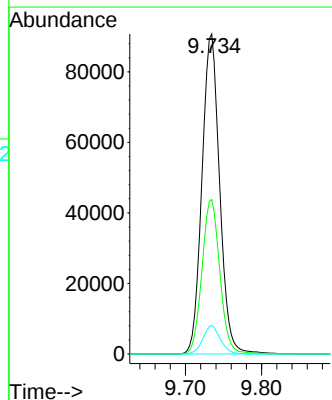
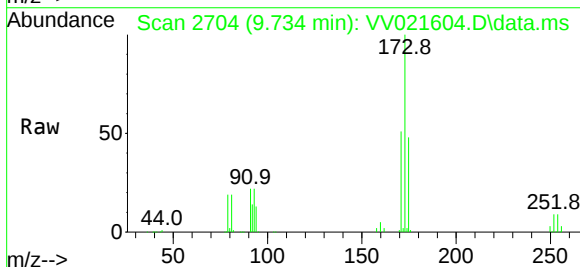
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

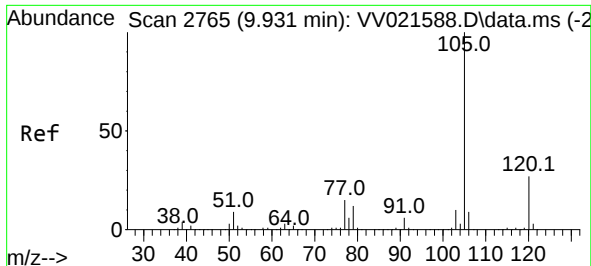
Tgt Ion: 83 Resp: 278249  
Ion Ratio Lower Upper  
83 100  
85 65.8 45.0 83.6  
131 10.0 8.4 12.6



#59  
Bromoform  
Concen: 49.080 ug/L  
RT: 9.734 min Scan# 2704  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion: 173 Resp: 146844  
Ion Ratio Lower Upper  
173 100  
175 48.6 39.0 58.6  
254 8.7 7.0 10.6

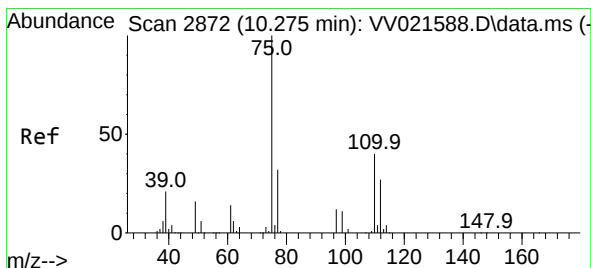
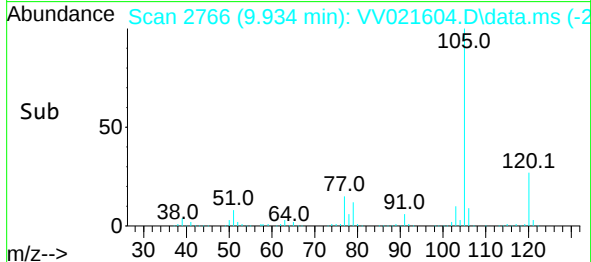
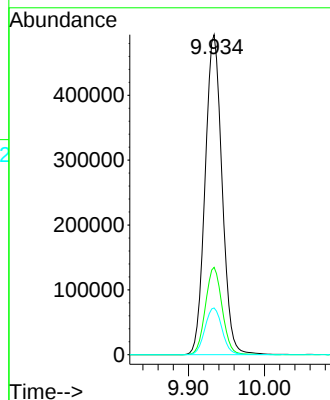
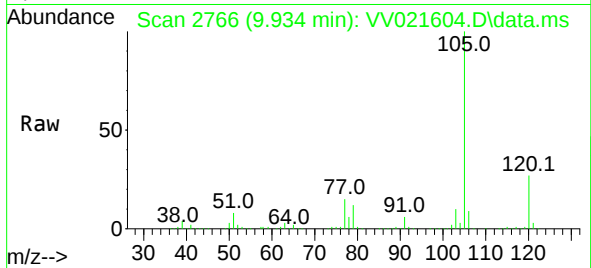




#60  
Isopropylbenzene  
Concen: 48.128 ug/L  
RT: 9.934 min Scan# 2766  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

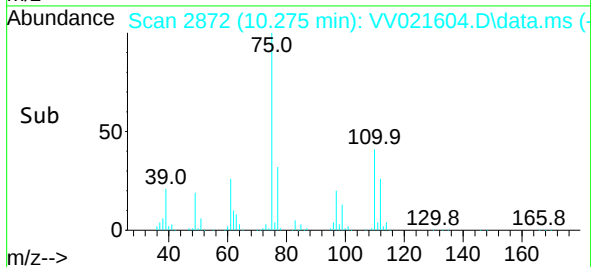
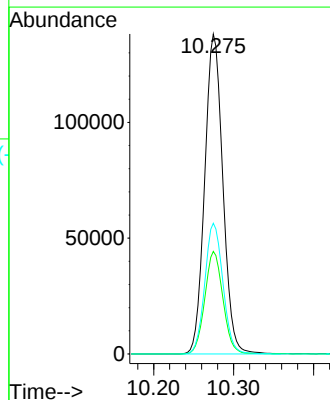
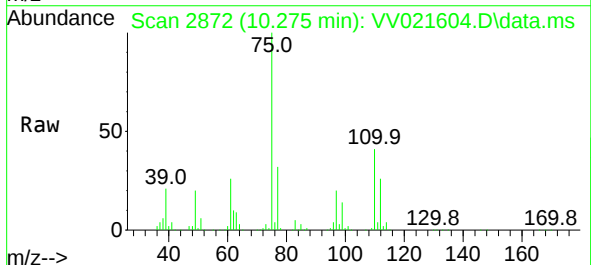
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

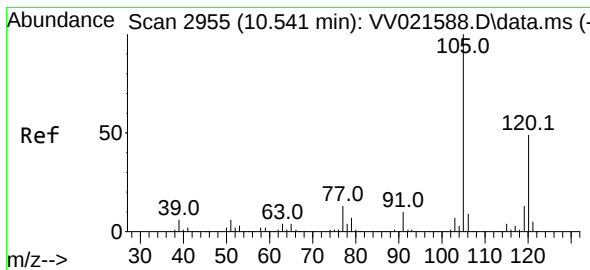
Tgt Ion:105 Resp: 764145  
Ion Ratio Lower Upper  
105 100  
120 27.0 21.5 32.3  
77 14.8 12.0 18.0



#61  
1,2,3-Trichloropropane  
Concen: 48.565 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion: 75 Resp: 218539  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.8 38.8  
110 40.8 33.0 49.6

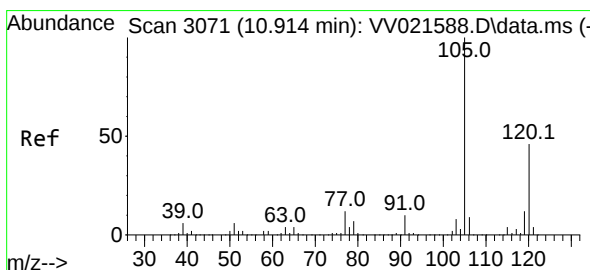
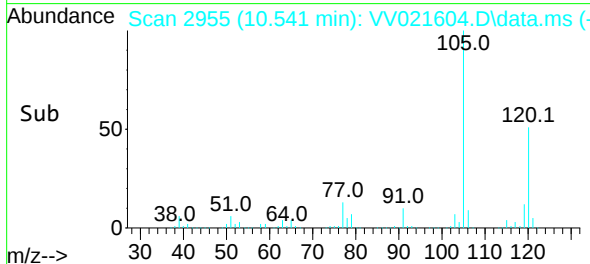
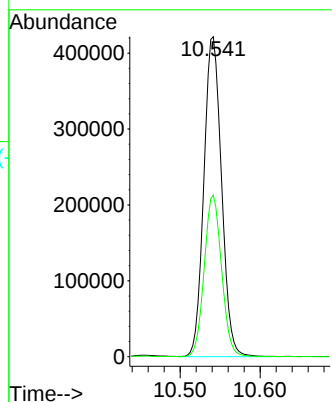
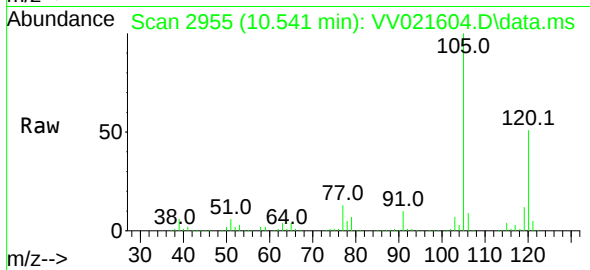




#62  
1,3,5-Trimethylbenzene  
Concen: 48.023 ug/L  
RT: 10.541 min Scan# 2955  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

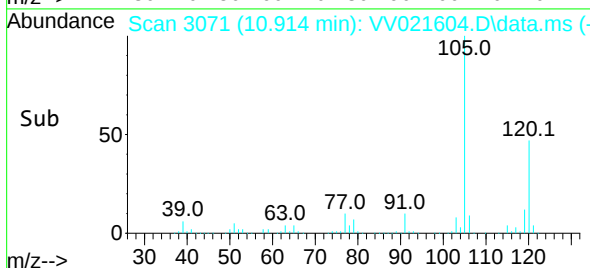
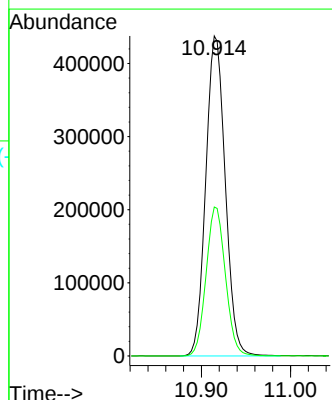
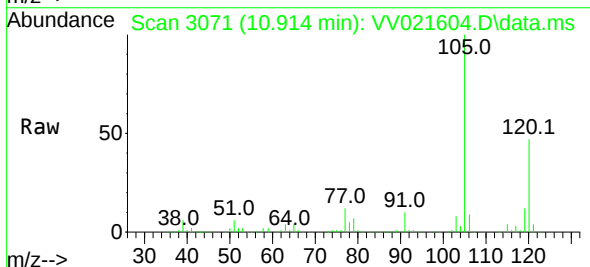
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

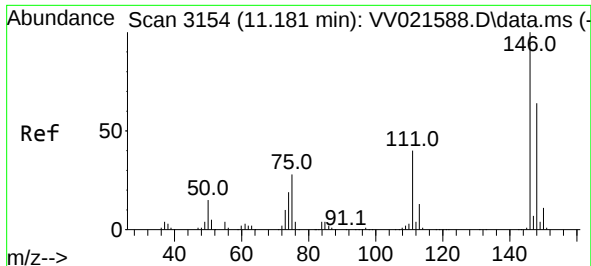
Tgt Ion:105 Resp: 649835  
Ion Ratio Lower Upper  
105 100  
120 49.5 40.0 60.0



#63  
1,2,4-Trimethylbenzene  
Concen: 48.384 ug/L  
RT: 10.914 min Scan# 3071  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion:105 Resp: 662566  
Ion Ratio Lower Upper  
105 100  
120 46.1 37.1 55.7

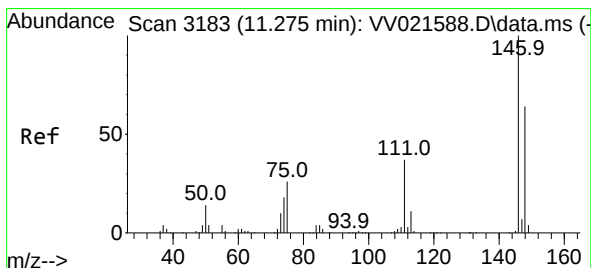
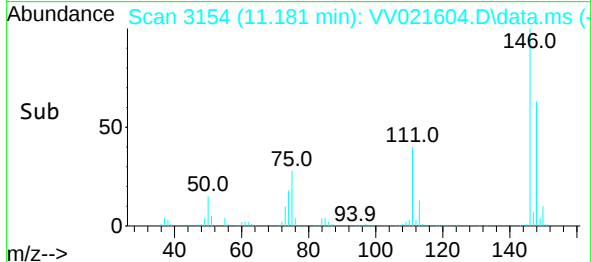
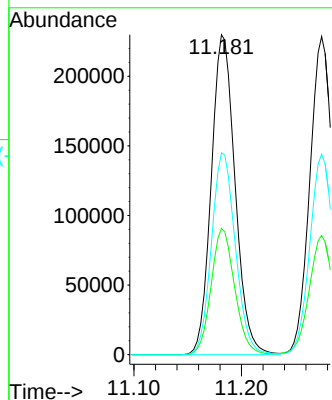
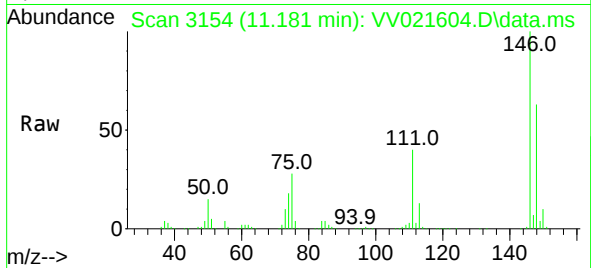




#64  
1,3-Dichlorobenzene  
Concen: 47.373 ug/L  
RT: 11.181 min Scan# 3154  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

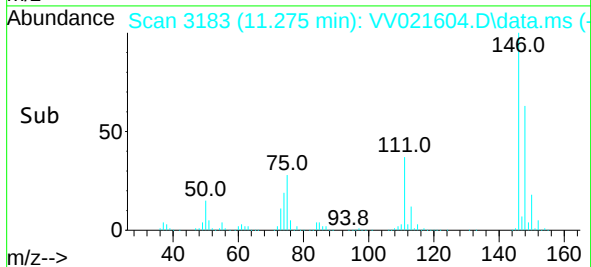
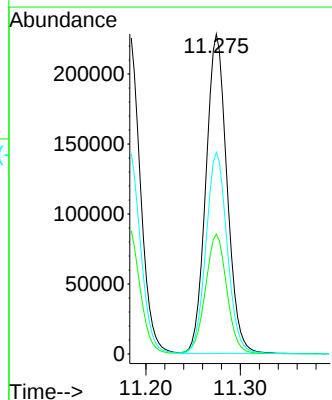
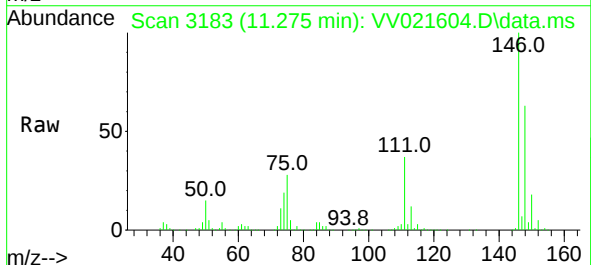
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

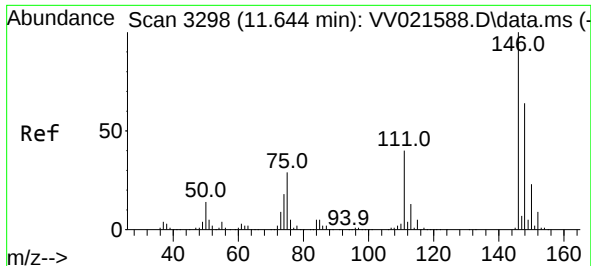
Tgt Ion:146 Resp: 353693  
Ion Ratio Lower Upper  
146 100  
111 39.5 27.3 50.7  
148 63.1 44.2 82.0



#65  
1,4-Dichlorobenzene  
Concen: 47.450 ug/L  
RT: 11.275 min Scan# 3183  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion:146 Resp: 354096  
Ion Ratio Lower Upper  
146 100  
111 37.4 26.6 49.4  
148 63.0 45.2 84.0

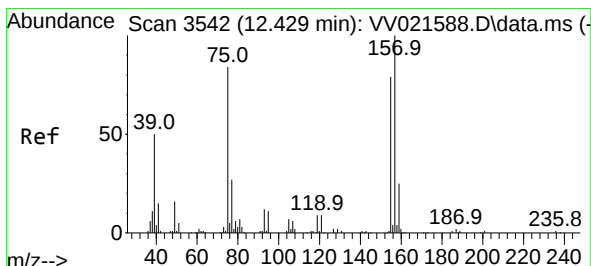
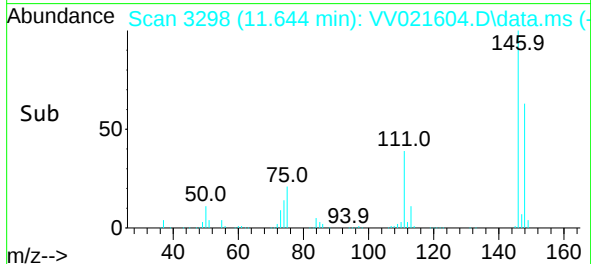
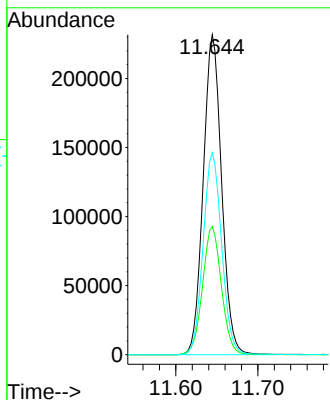
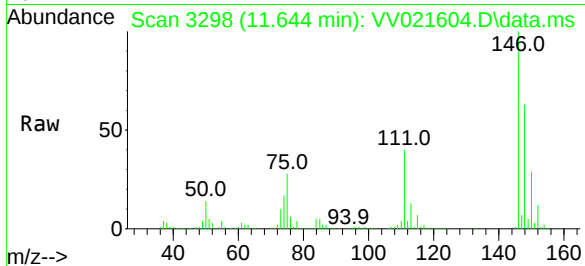




#67  
1,2-Dichlorobenzene  
Concen: 48.299 ug/L  
RT: 11.644 min Scan# 3298  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

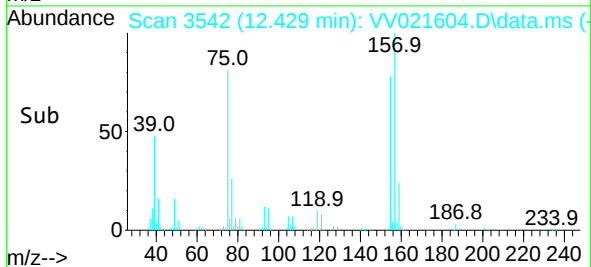
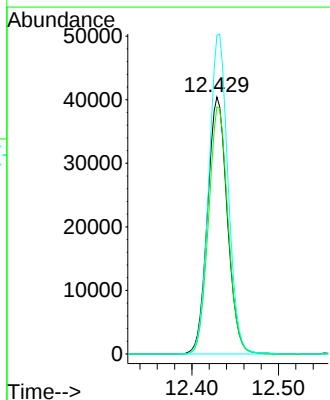
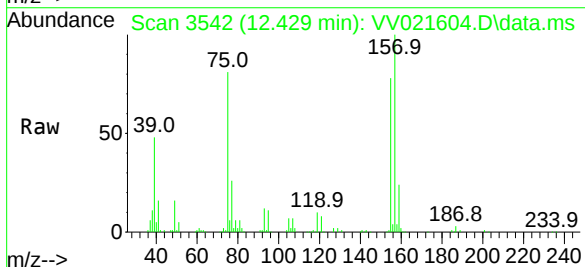
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

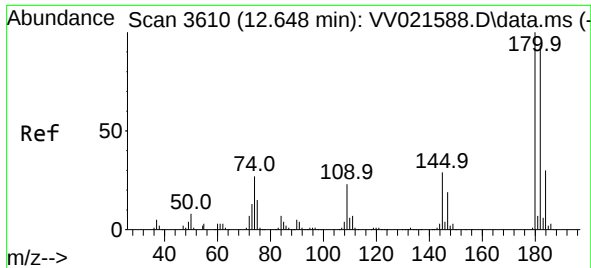
Tgt Ion:146 Resp: 361381  
Ion Ratio Lower Upper  
146 100  
111 40.1 32.6 48.8  
148 63.1 50.5 75.7



#68  
1,2-Dibromo-3-chloropropane  
Concen: 48.259 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion: 75 Resp: 64379  
Ion Ratio Lower Upper  
75 100  
155 96.1 75.9 113.9  
157 124.0 96.7 145.1

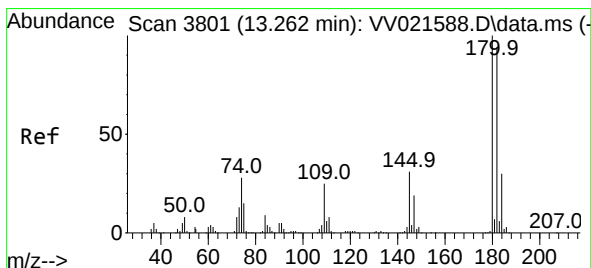
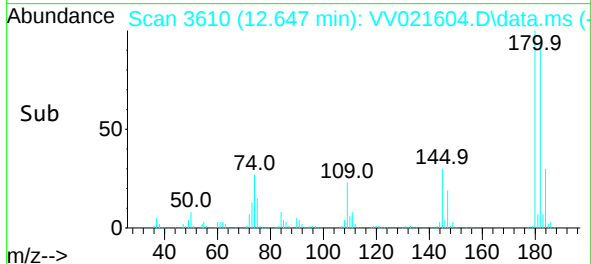
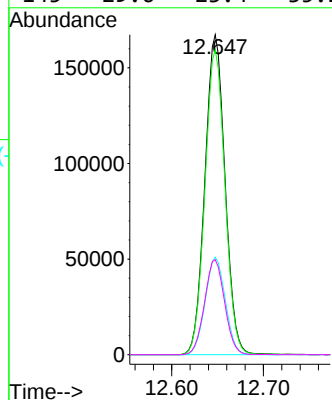
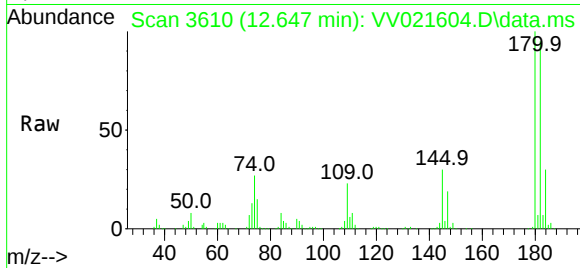




#69  
1,3,5-Trichlorobenzene  
Concen: 45.728 ug/L  
RT: 12.647 min Scan# 3610  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

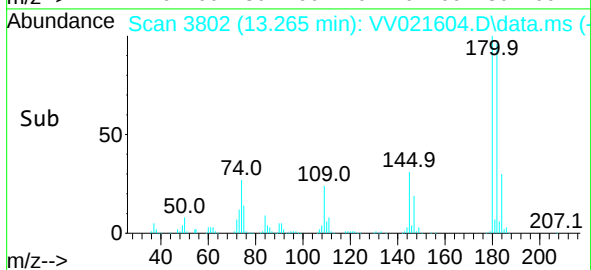
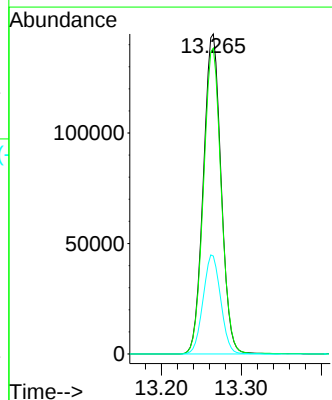
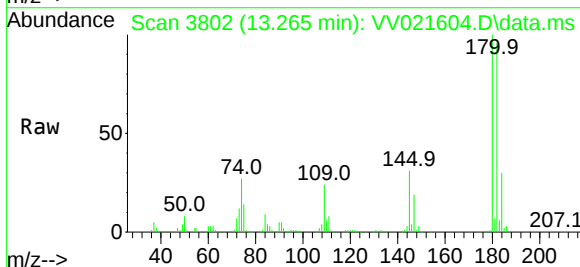
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

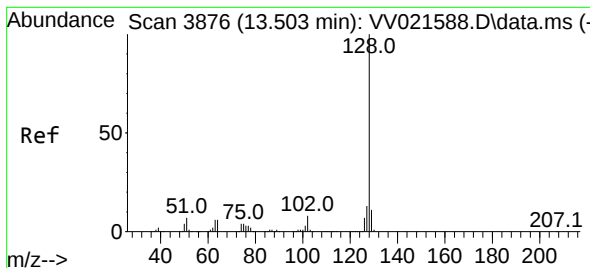
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 255141 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.8  | 75.0  | 112.4  |
| 184       | 30.5  | 23.8  | 35.6   |
| 145       | 29.6  | 23.4  | 35.2   |



#70  
1,2,4-trichlorobenzene  
Concen: 46.502 ug/L  
RT: 13.265 min Scan# 3802  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 223135 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.6  | 75.4  | 113.2  |
| 145       | 30.7  | 24.1  | 36.1   |

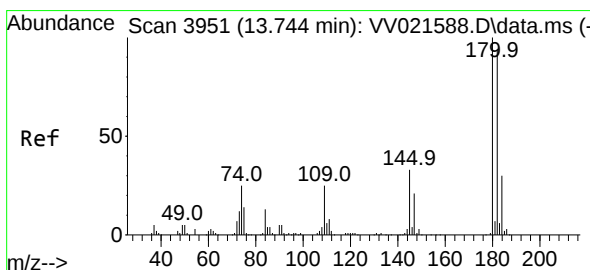
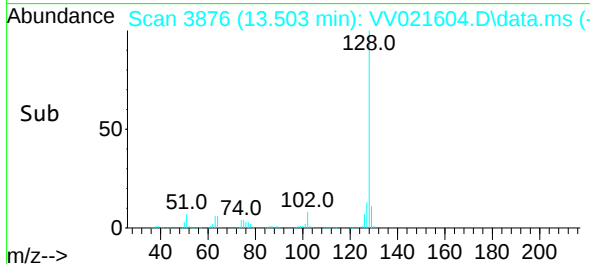
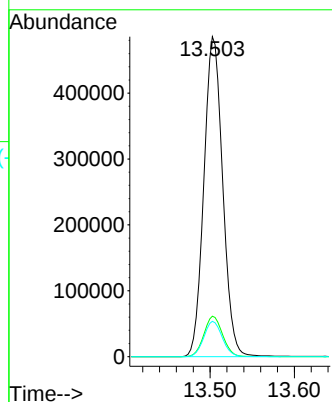
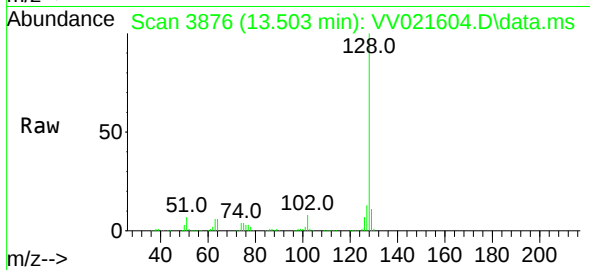




#71  
Naphthalene  
Concen: 51.688 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. -0.000 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050180

Tgt Ion:128 Resp: 755355  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.2 15.2  
129 10.9 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 47.647 ug/L  
RT: 13.747 min Scan# 3952  
Delta R.T. 0.003 min  
Lab File: VV021604.D  
Acq: 02 Jul 2021 17:42

Tgt Ion:180 Resp: 225817  
Ion Ratio Lower Upper  
180 100  
182 95.5 75.8 113.6  
145 32.5 25.7 38.5

