

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW070221\  
 Data File : VW019386.D  
 Acq On : 02 Jul 2021 15:38  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD005480

Quant Time: Jul 03 04:05:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jul 03 04:03:43 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 519674   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 483539   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 234577   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 152828   | 22.400   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.600%  |
| 7) Chloroethane-d5            | 2.898  | 69    | 125050   | 23.577   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 94.320%  |
| 11) 1,1-Dichloroethene-d2     | 4.032  | 63    | 323646   | 23.214   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 92.840%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 90198    | 53.228   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 106.460% |
| 24) Chloroform-d              | 7.653  | 84    | 330839   | 23.046   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 92.200%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 170576   | 23.138   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 92.560%  |
| 32) Benzene-d6                | 8.275  | 84    | 666422   | 22.488   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 89.960%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 205794   | 22.783   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 91.120%  |
| 41) Toluene-d8                | 10.323 | 98    | 597910   | 22.276   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 89.120%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 81031    | 22.783   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 91.120%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 71834    | 50.886   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 101.780% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 156778   | 23.528   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 94.120%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 200220   | 23.333   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 93.320%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.014  | 85    | 158586   | 25.609   | ug/L   | 97       |
| 3) Chloromethane              | 2.221  | 50    | 148940   | 23.339   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.367  | 62    | 214009   | 24.211   | ug/L   | 98       |
| 6) Bromomethane               | 2.788  | 94    | 116043   | 23.579   | ug/L   | 100      |
| 8) Chloroethane               | 2.934  | 64    | 116525   | 24.039   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.263  | 101   | 117848   | 24.187   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101   | 166329   | 24.111   | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 4.050  | 96    | 167857   | 24.137   | ug/L   | 96       |
| 13) Acetone                   | 4.129  | 43    | 76400    | 72.280   | ug/L   | 89       |
| 14) Carbon disulfide          | 4.391  | 76    | 518843   | 23.588   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.672  | 43    | 72262    | 24.902   | ug/L   | 98       |
| 16) Methylene chloride        | 4.922  | 84    | 183778   | 20.230   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.434  | 96    | 176297   | 23.388   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 215605   | 23.576   | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 320785   | 23.675   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 189191   | 23.882   | ug/L   | 100      |
| 22) 2-Butanone                | 7.171  | 43    | 101659   | 56.392   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.513  | 128   | 78837    | 22.896   | ug/L   | 97       |
| 25) Chloroform                | 7.677  | 83    | 314084   | 23.366   | ug/L   | 99       |

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Quant Time: Jul 03 04:05:25 2021  
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 Quant Title : SFAM01.0  
 QLast Update : Sat Jul 03 04:03:43 2021  
 Response via : Initial Calibration

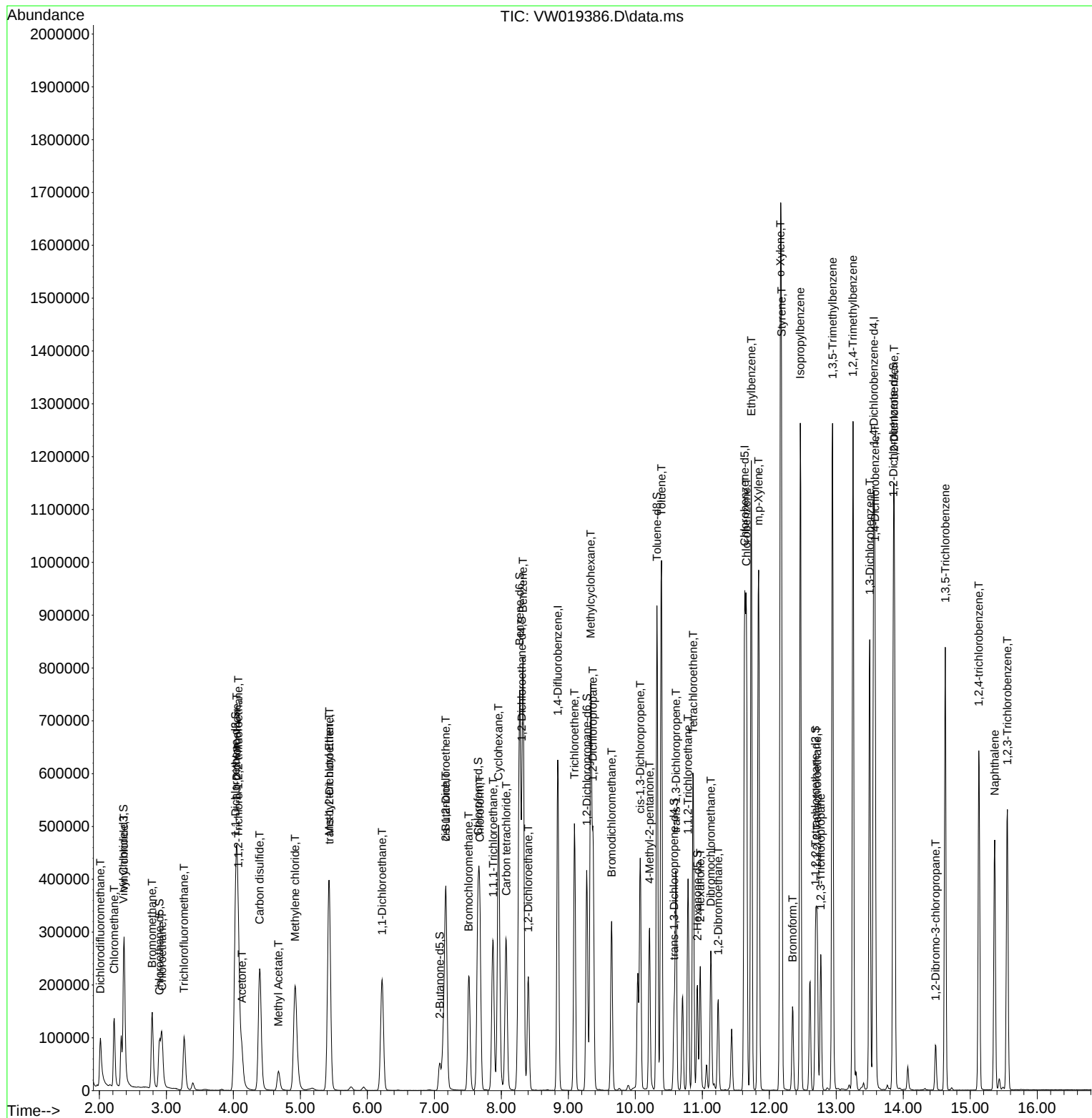
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 197254   | 23.331 | ug/L  | 98       |
| 29) Cyclohexane               | 7.958  | 56   | 301400   | 23.395 | ug/L  | 93       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 238402   | 23.208 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.074  | 117  | 227871   | 23.560 | ug/L  | 99       |
| 33) Benzene                   | 8.323  | 78   | 733120   | 23.243 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 183642   | 22.877 | ug/L  | 93       |
| 35) Methylcyclohexane         | 9.336  | 83   | 323136   | 22.821 | ug/L  | 95       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 180652   | 23.399 | ug/L  | 98       |
| 38) Bromodichloromethane      | 9.646  | 83   | 221654   | 23.342 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 275263   | 23.907 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 201244   | 49.724 | ug/L  | 97       |
| 42) Toluene                   | 10.390 | 91   | 752395   | 22.999 | ug/L  | 93       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 236102   | 24.018 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 126536   | 23.130 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.866 | 164  | 143106   | 23.078 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 143313   | 51.673 | ug/L  | 94       |
| 49) Dibromochloromethane      | 11.128 | 129  | 140583   | 23.176 | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 120719   | 23.315 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.658 | 112  | 471122   | 22.894 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.731 | 91   | 832491   | 23.278 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.841 | 106  | 314274   | 23.215 | ug/L  | 98       |
| 54) o-Xylene                  | 12.164 | 106  | 298723   | 23.129 | ug/L  | 95       |
| 55) Styrene                   | 12.183 | 104  | 519549   | 23.784 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 149856   | 23.205 | ug/L  | 100      |
| 59) Bromoform                 | 12.347 | 173  | 73441    | 22.900 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 805820   | 24.091 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 109696   | 23.508 | ug/L  | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 683280   | 24.513 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 685031   | 24.714 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 342339   | 22.970 | ug/L  | 91       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 342745   | 23.144 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 319536   | 24.248 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 23709    | 24.065 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 254074   | 23.550 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 208557   | 23.476 | ug/L  | 99       |
| 71) Naphthalene               | 15.365 | 128  | 401854   | 23.747 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 179406   | 23.340 | ug/L  | 97       |

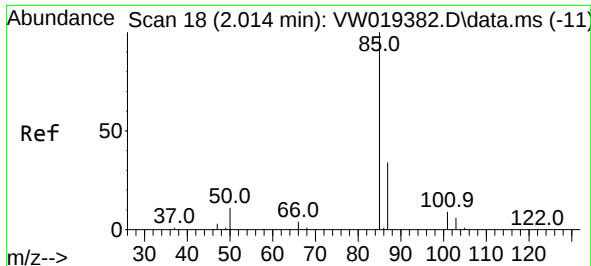
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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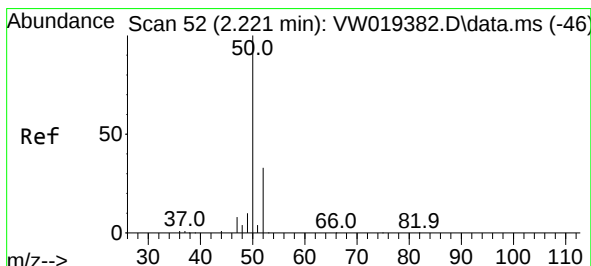
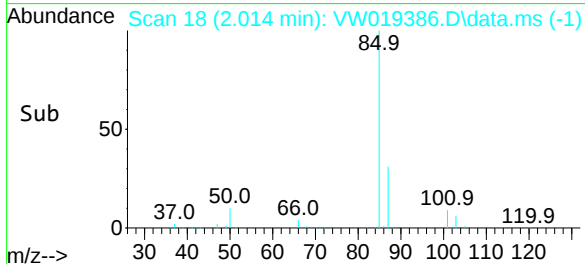
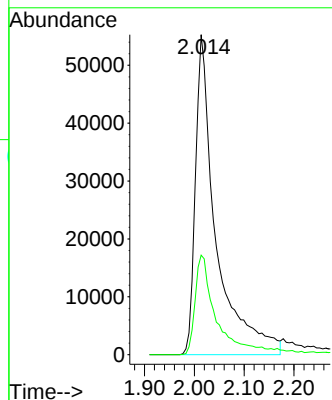
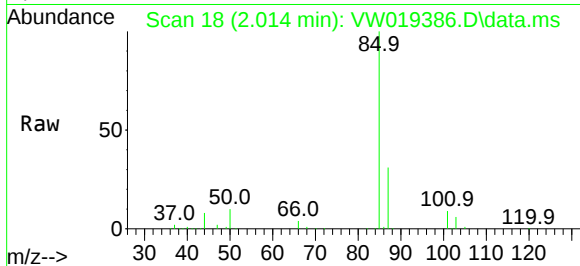




#2  
Dichlorodifluoromethane  
Concen: 25.609 ug/L  
RT: 2.014 min Scan# 18  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

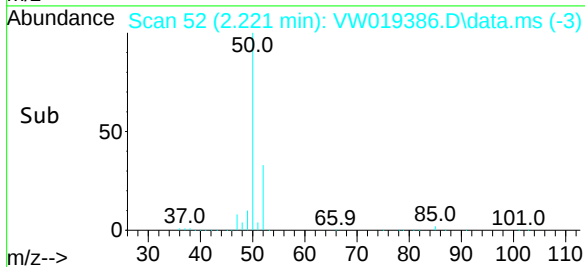
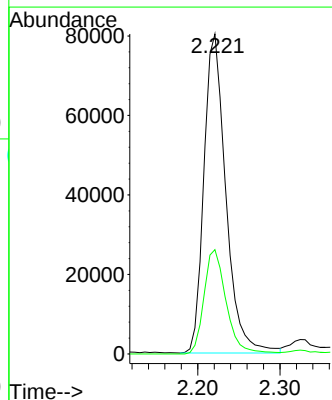
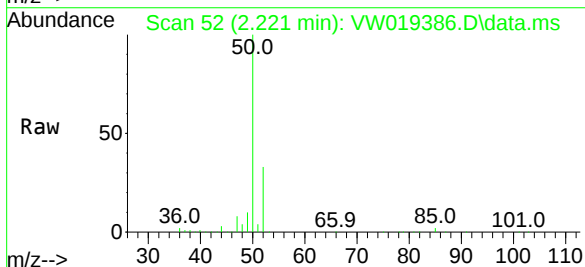
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

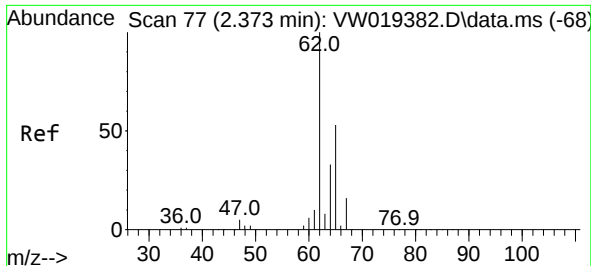
Tgt Ion: 85 Resp: 158586  
Ion Ratio Lower Upper  
85 100  
87 30.6 23.3 34.9



#3  
Chloromethane  
Concen: 23.339 ug/L  
RT: 2.221 min Scan# 52  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion: 50 Resp: 148940  
Ion Ratio Lower Upper  
50 100  
52 32.6 22.5 41.9

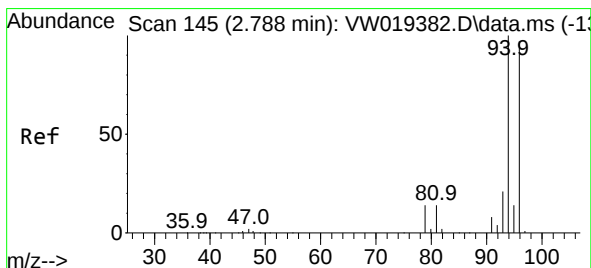
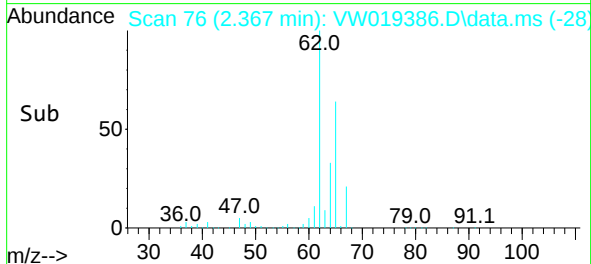
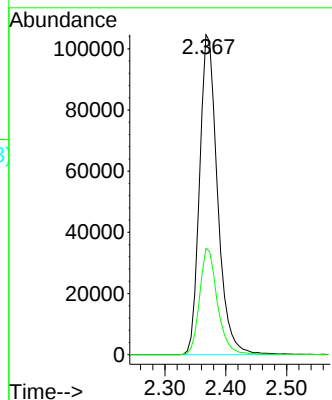
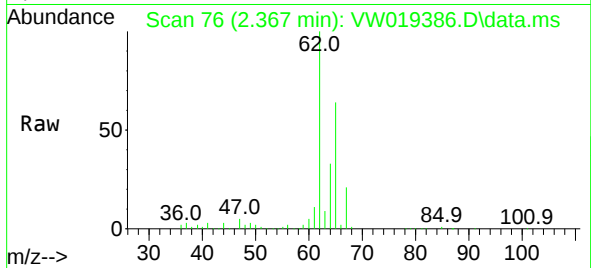




#5  
 Vinyl chloride  
 Concen: 24.211 ug/L  
 RT: 2.367 min Scan# 76  
 Delta R.T. -0.006 min  
 Lab File: VW019386.D  
 Acq: 02 Jul 2021 15:38

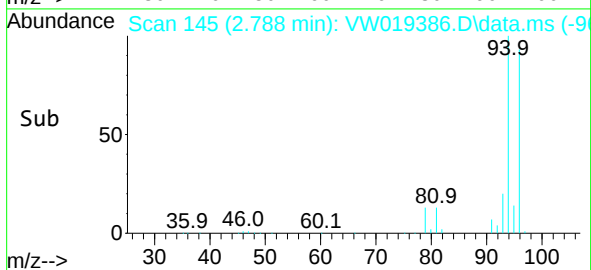
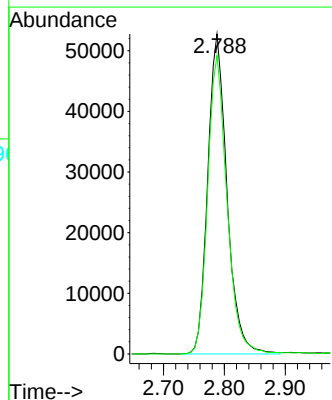
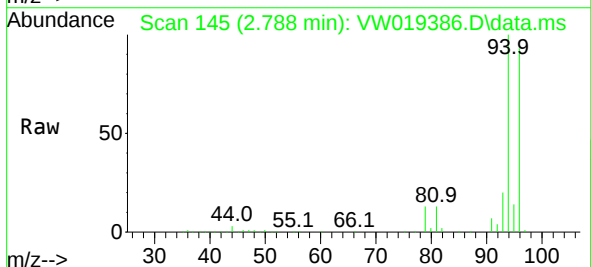
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTD005480

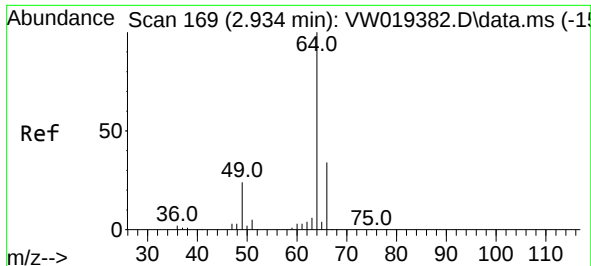
Tgt Ion: 62 Resp: 214009  
 Ion Ratio Lower Upper  
 62 100  
 64 33.2 24.2 45.0



#6  
 Bromomethane  
 Concen: 23.579 ug/L  
 RT: 2.788 min Scan# 145  
 Delta R.T. 0.000 min  
 Lab File: VW019386.D  
 Acq: 02 Jul 2021 15:38

Tgt Ion: 94 Resp: 116043  
 Ion Ratio Lower Upper  
 94 100  
 96 93.2 65.3 121.3





#8

Chloroethane

Concen: 24.039 ug/L

RT: 2.934 min Scan# 169

Delta R.T. 0.000 min

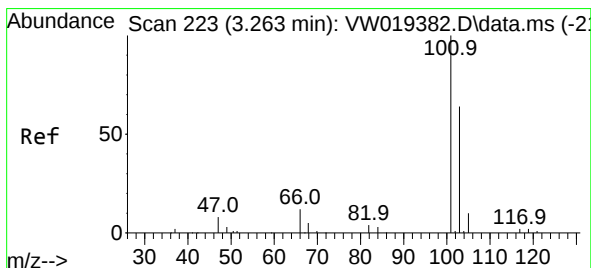
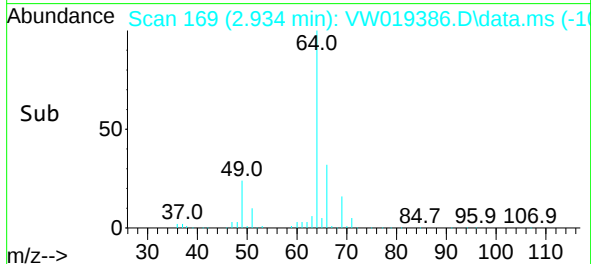
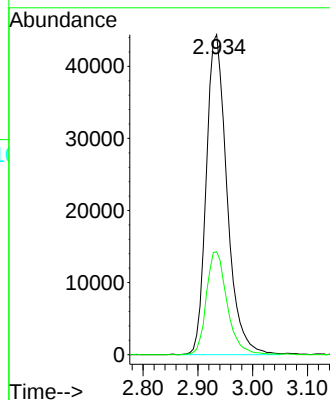
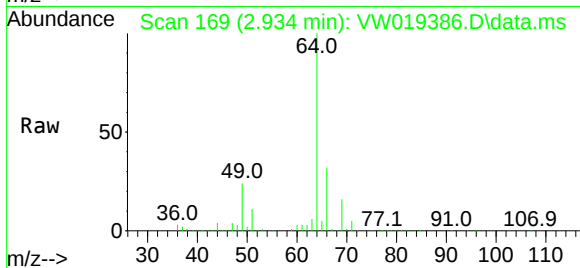
Lab File: VW019386.D

Acq: 02 Jul 2021 15:38

Tgt Ion: 64 Resp: 116525

Ion Ratio Lower Upper

|    |      |      |      |
|----|------|------|------|
| 64 | 100  |      |      |
| 66 | 32.2 | 23.4 | 43.6 |



#9

Trichlorofluoromethane

Concen: 24.187 ug/L

RT: 3.263 min Scan# 223

Delta R.T. 0.000 min

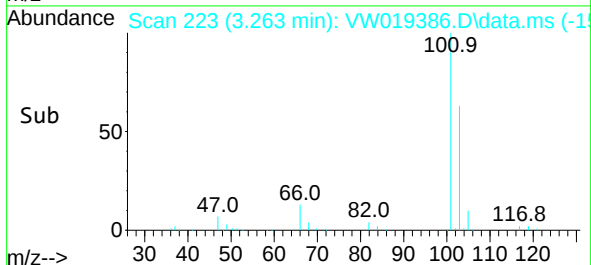
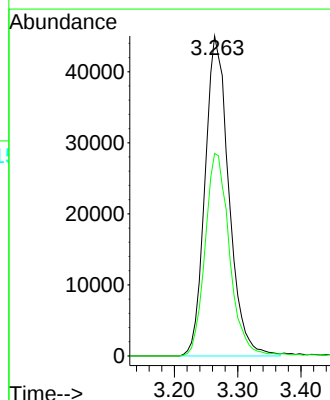
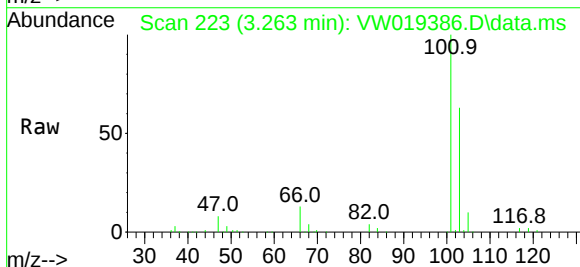
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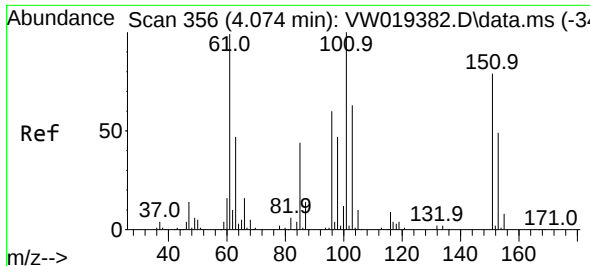
Acq: 02 Jul 2021 15:38

Tgt Ion: 101 Resp: 117848

Ion Ratio Lower Upper

|     |      |      |      |
|-----|------|------|------|
| 101 | 100  |      |      |
| 103 | 64.5 | 51.0 | 76.4 |

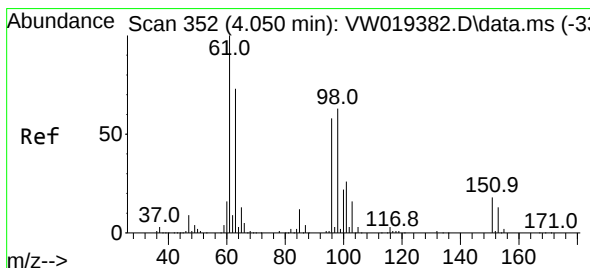
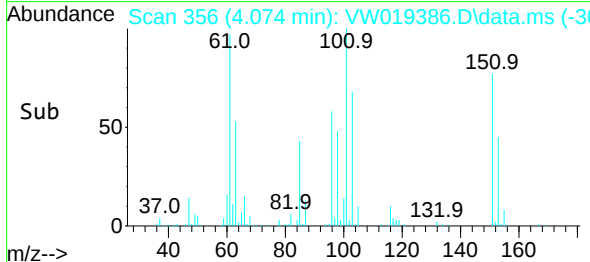
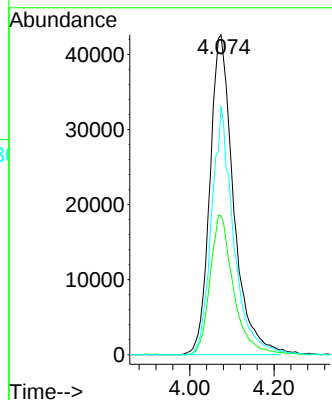
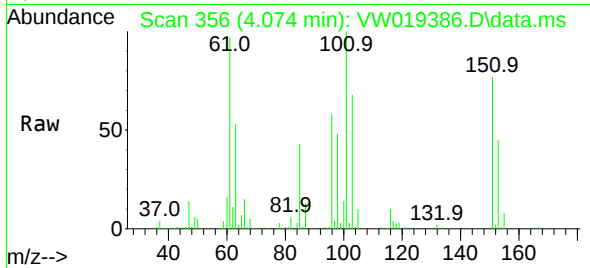




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 24.111 ug/L  
 RT: 4.074 min Scan# 356  
 Delta R.T. 0.000 min  
 Lab File: VW019386.D  
 Acq: 02 Jul 2021 15:38

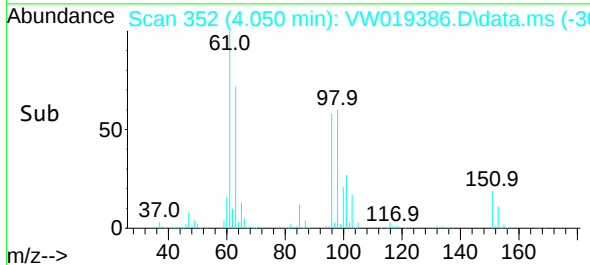
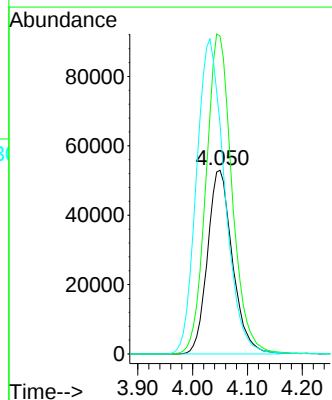
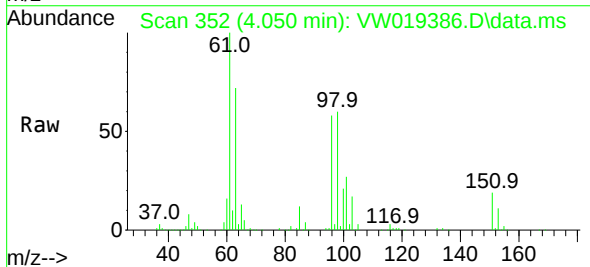
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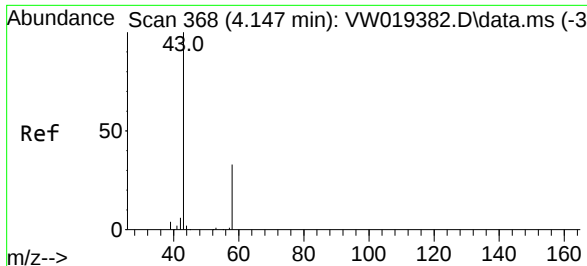
Tgt Ion:101 Resp: 166329  
 Ion Ratio Lower Upper  
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 85 43.2 38.2 57.2  
 151 72.5 56.6 85.0



#12  
 1,1-Dichloroethene  
 Concen: 24.137 ug/L  
 RT: 4.050 min Scan# 352  
 Delta R.T. 0.000 min  
 Lab File: VW019386.D  
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Tgt Ion: 96 Resp: 167857  
 Ion Ratio Lower Upper  
 96 100  
 61 173.1 118.1 219.3  
 63 125.1 83.7 155.5

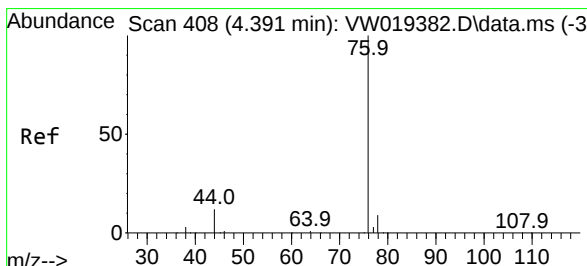
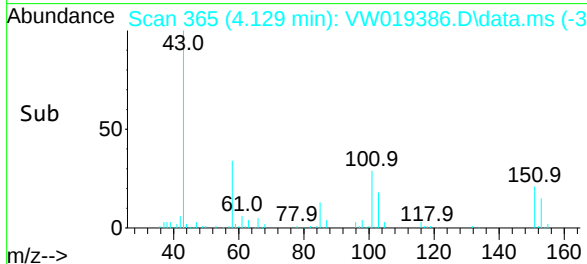
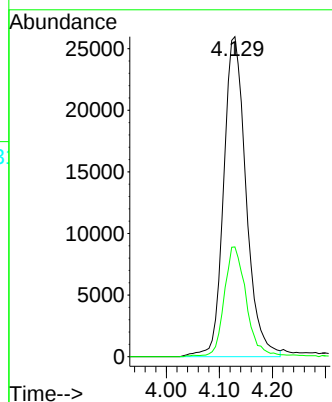
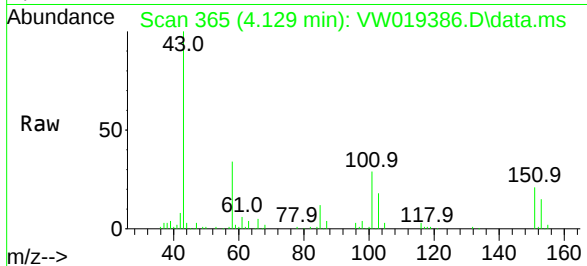




#13  
Acetone  
Concen: 72.280 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. -0.018 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

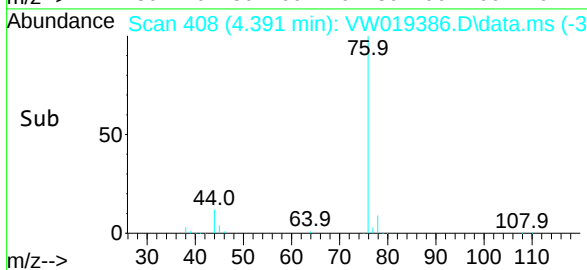
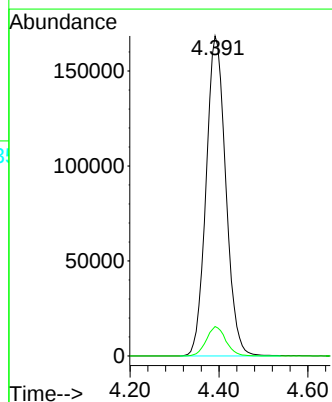
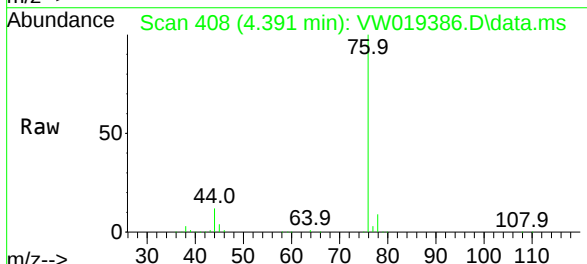
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

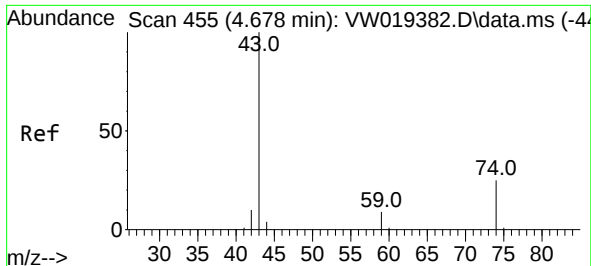
Tgt Ion: 43 Resp: 76400  
Ion Ratio Lower Upper  
43 100  
58 32.6 0.0 53.8



#14  
Carbon disulfide  
Concen: 23.588 ug/L  
RT: 4.391 min Scan# 408  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion: 76 Resp: 518843  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.4 11.0

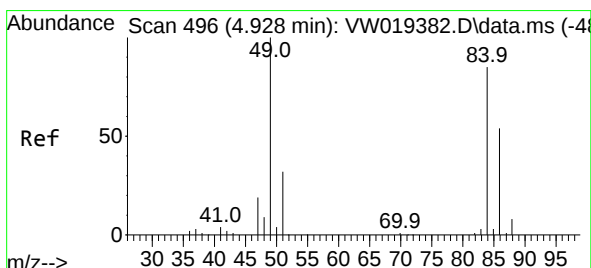
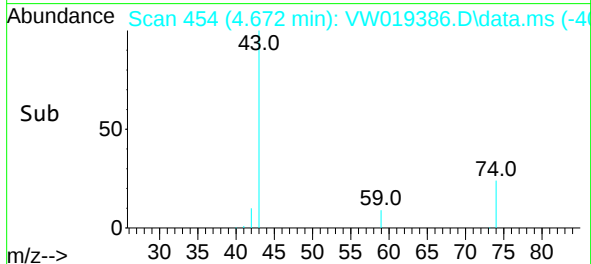
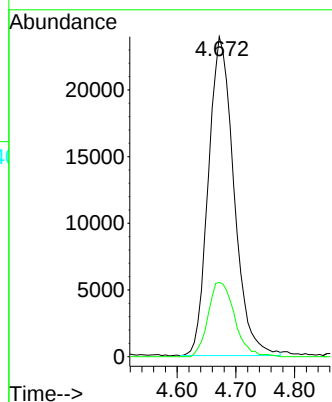
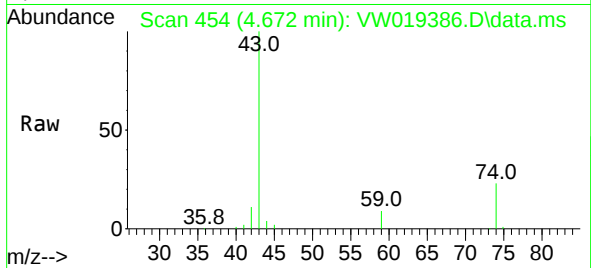




#15  
Methyl Acetate  
Concen: 24.902 ug/L  
RT: 4.672 min Scan# 454  
Delta R.T. -0.006 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

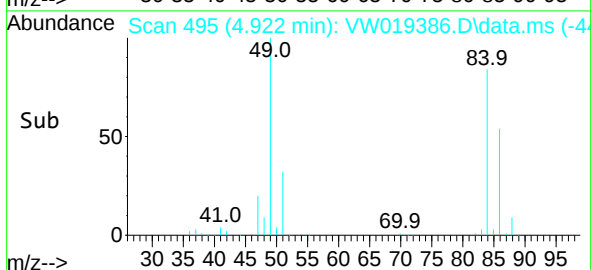
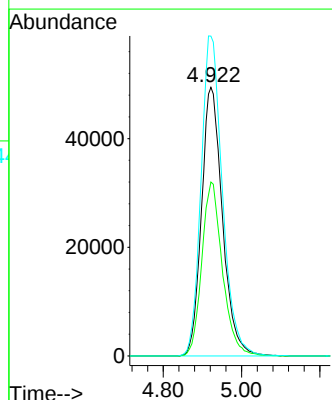
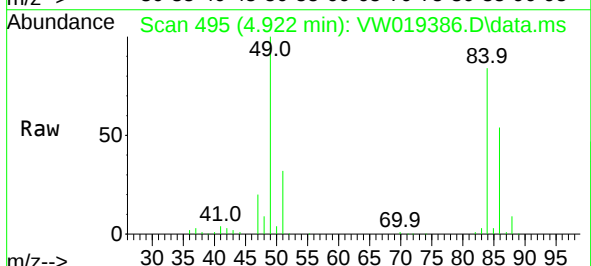
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

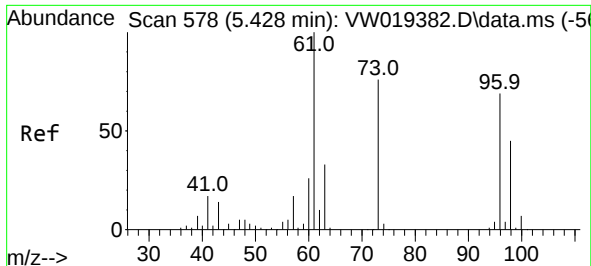
Tgt Ion: 43 Resp: 72262  
Ion Ratio Lower Upper  
43 100  
74 23.9 20.0 30.0



#16  
Methylene chloride  
Concen: 20.230 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. -0.006 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion: 84 Resp: 183778  
Ion Ratio Lower Upper  
84 100  
86 64.7 45.3 84.1  
49 119.0 86.6 160.8



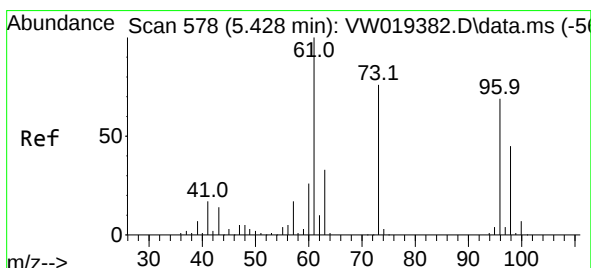
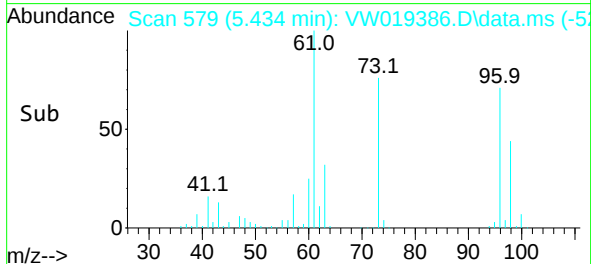
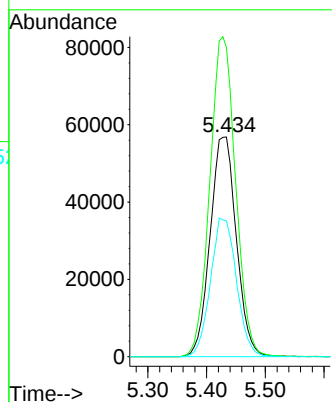
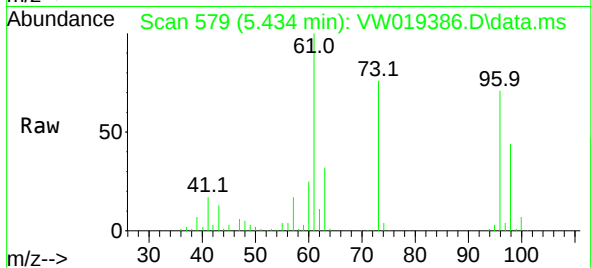


#17

trans-1,2-Dichloroethene  
Concen: 23.388 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.006 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

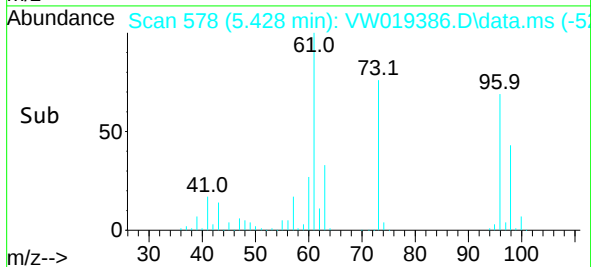
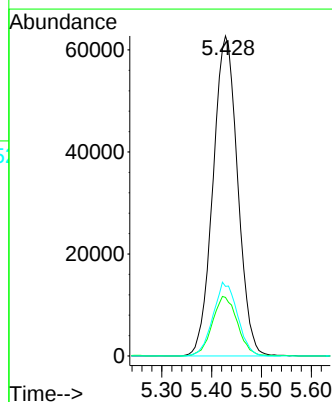
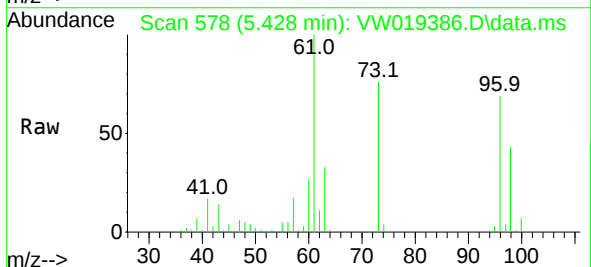
Tgt Ion: 96 Resp: 176297  
Ion Ratio Lower Upper  
96 100  
61 140.7 98.3 182.7  
98 61.7 46.1 85.7

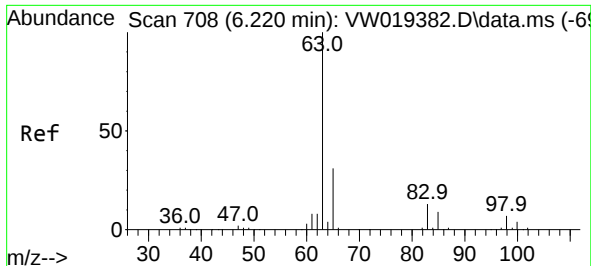


#18

Methyl tert-butyl Ether  
Concen: 23.576 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion: 73 Resp: 215605  
Ion Ratio Lower Upper  
73 100  
43 19.0 17.7 26.5  
57 22.8 17.0 25.4

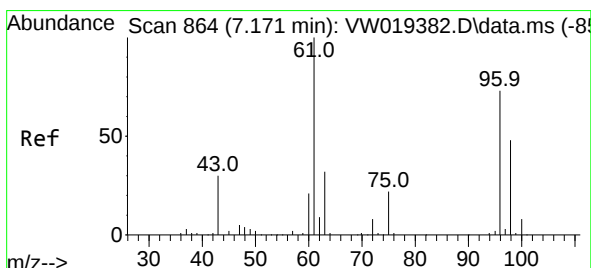
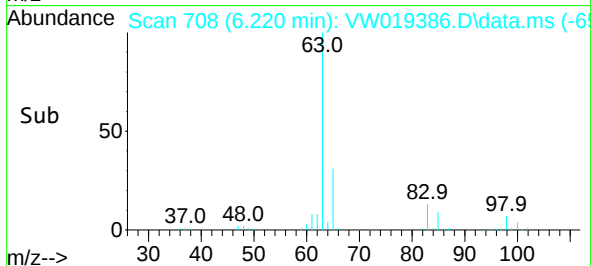
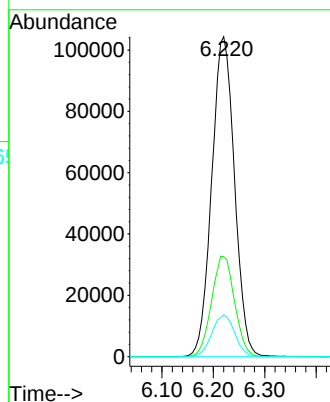
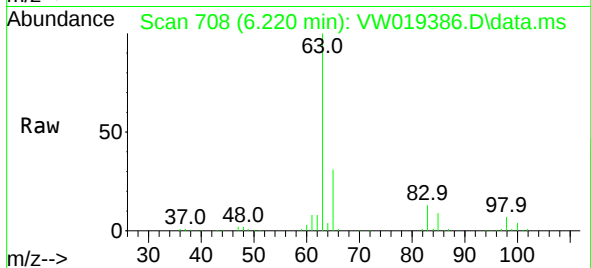




#19  
1,1-Dichloroethane  
Concen: 23.675 ug/L  
RT: 6.220 min Scan# 708  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

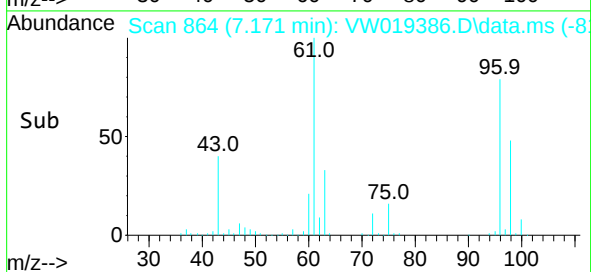
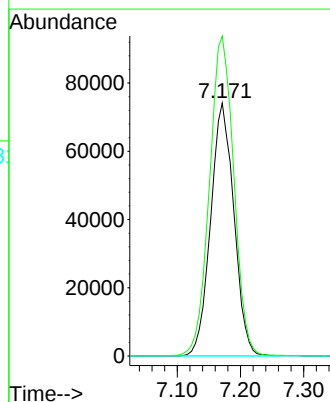
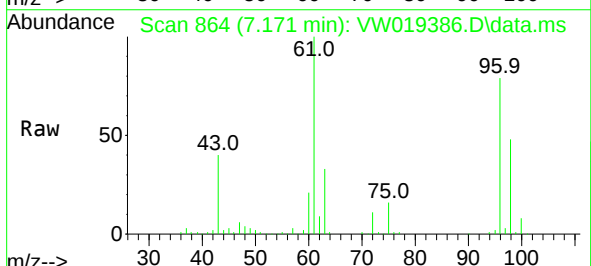
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

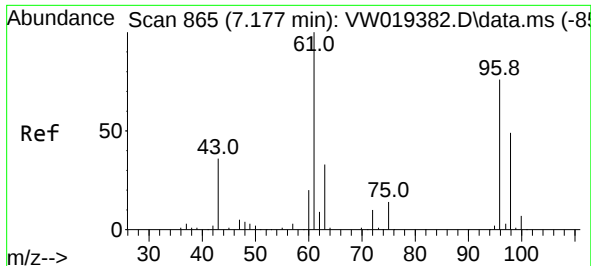
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 320785 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 31.2  | 22.9  | 42.5   |
| 83       | 13.1  | 10.2  | 19.0   |



#20  
cis-1,2-Dichloroethene  
Concen: 23.882 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 189191 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 126.5 | 88.5  | 164.3  |
| 68       | 0.0   | 0.0   | 0.0    |

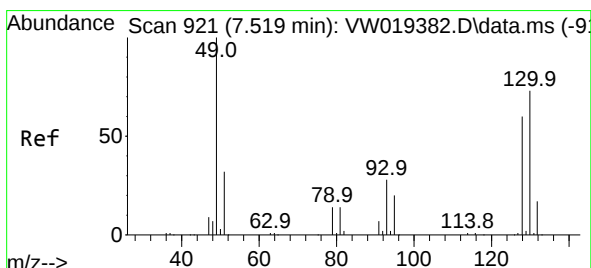
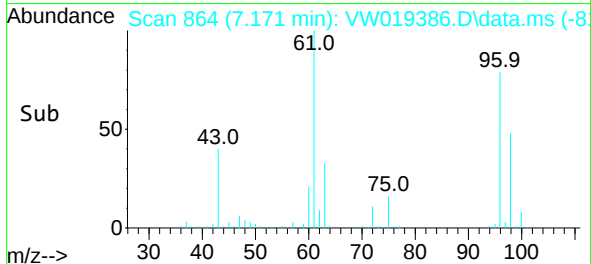
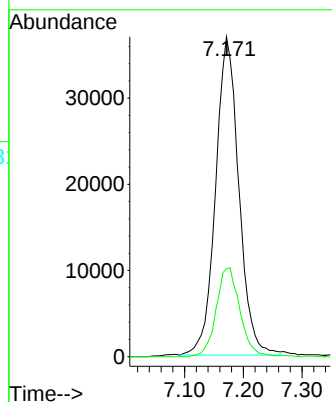
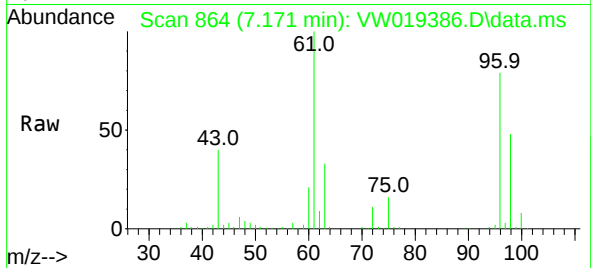




#22  
2-Butanone  
Concen: 56.392 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.006 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

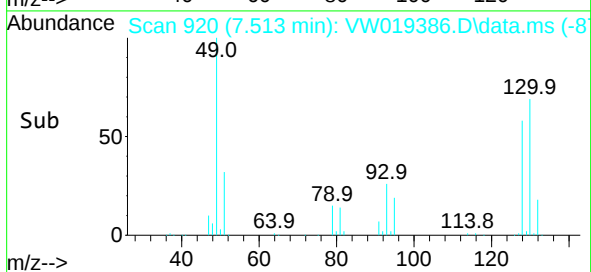
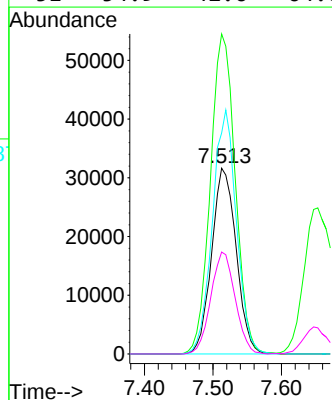
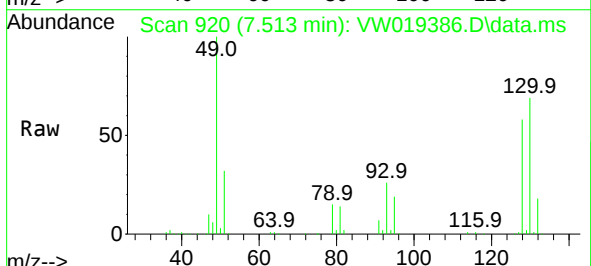
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

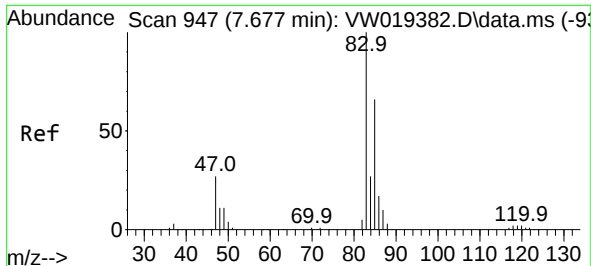
Tgt Ion: 43 Resp: 101659  
Ion Ratio Lower Upper  
43 100  
72 28.4 14.9 44.7



#23  
Bromochloromethane  
Concen: 22.896 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. -0.006 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion: 128 Resp: 78837  
Ion Ratio Lower Upper  
128 100  
49 172.3 116.3 215.9  
130 119.0 82.4 153.0  
51 54.9 42.6 64.0

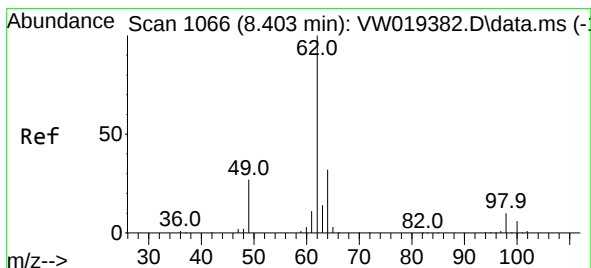
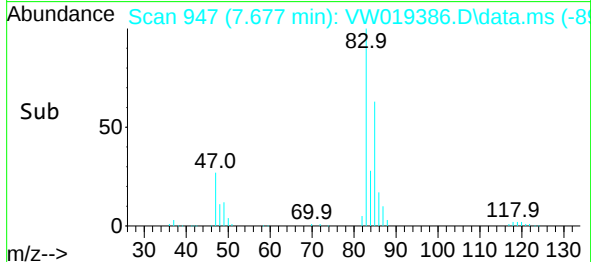
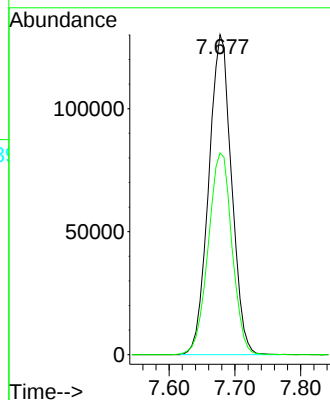
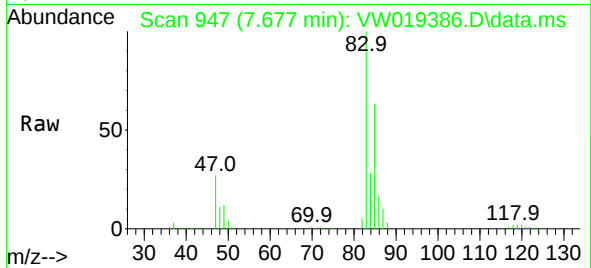




#25  
Chloroform  
Concen: 23.366 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

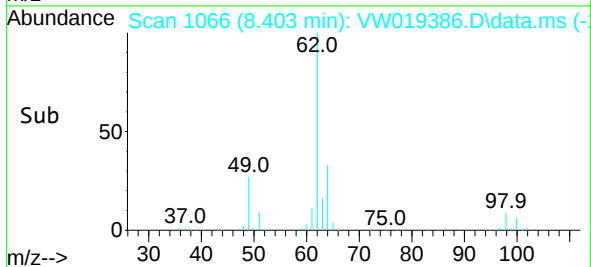
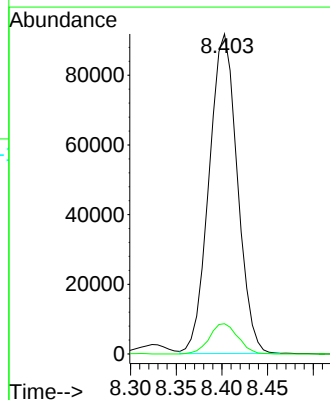
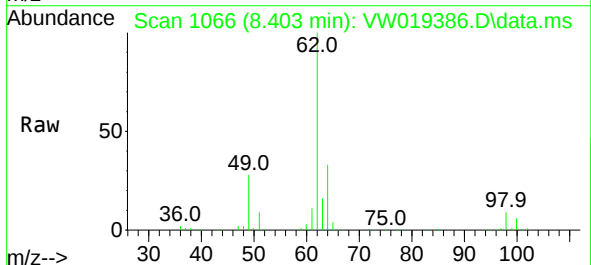
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MSVOA\_W  
ClientSampleId :  
VSTD005480

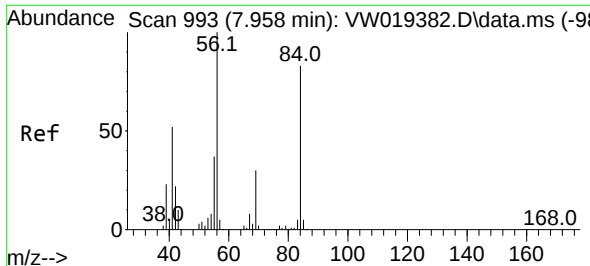
Tgt Ion: 83 Resp: 314084  
Ion Ratio Lower Upper  
83 100  
85 63.0 44.6 82.8



#27  
1,2-Dichloroethane  
Concen: 23.331 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

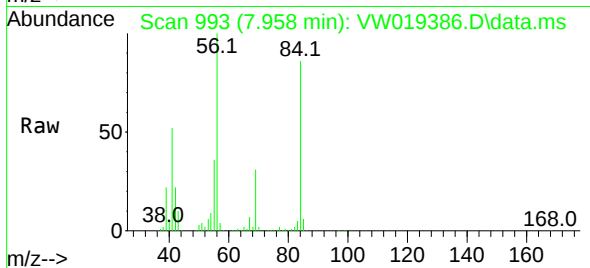
Tgt Ion: 62 Resp: 197254  
Ion Ratio Lower Upper  
62 100  
98 9.5 6.9 10.3



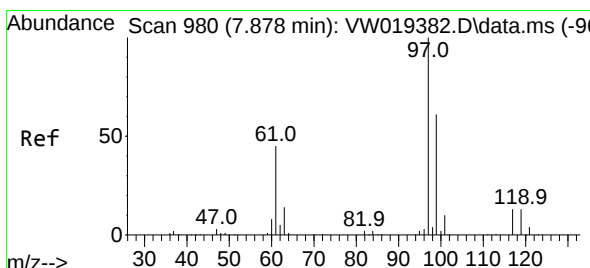
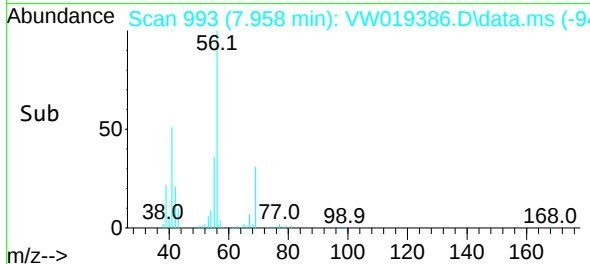
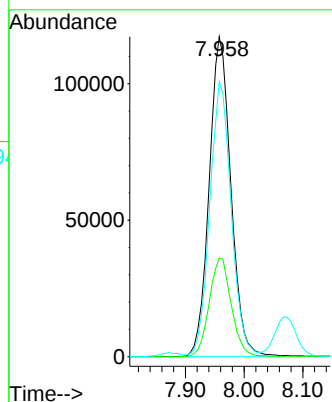


#29  
Cyclohexane  
Concen: 23.395 ug/L  
RT: 7.958 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

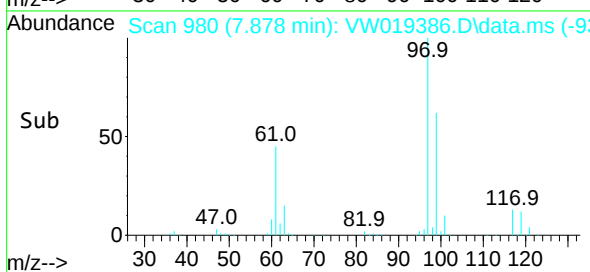
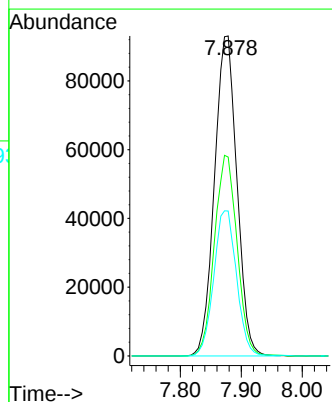
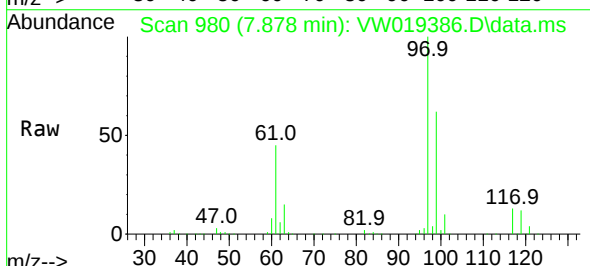


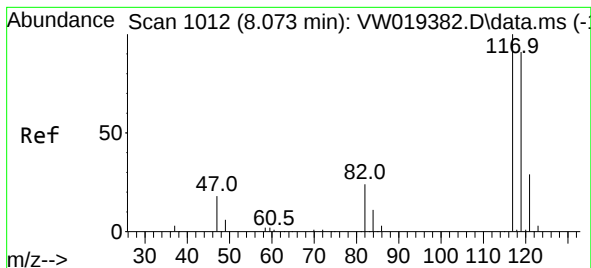
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 56    | Resp: | 301400 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 31.1  | 24.5  | 36.7   |
| 84        | 85.1  | 75.0  | 112.4  |



#30  
1,1,1-Trichloroethane  
Concen: 23.208 ug/L  
RT: 7.878 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 238402 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 63.3  | 51.4  | 77.2   |
| 61        | 46.0  | 37.8  | 56.6   |

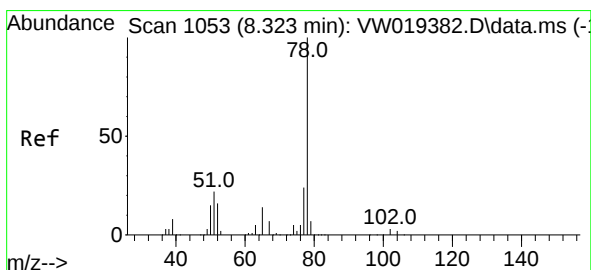
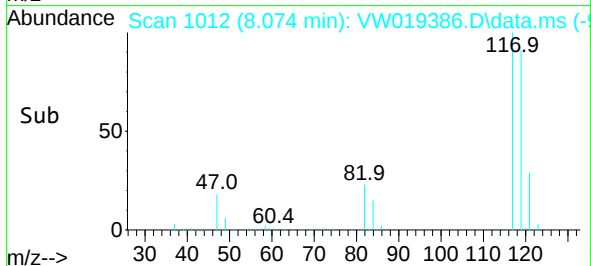
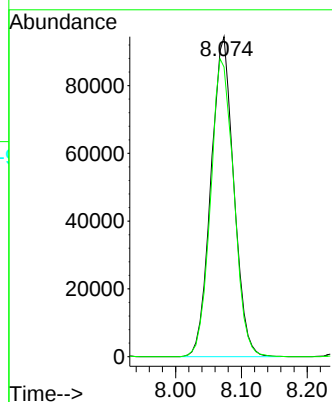
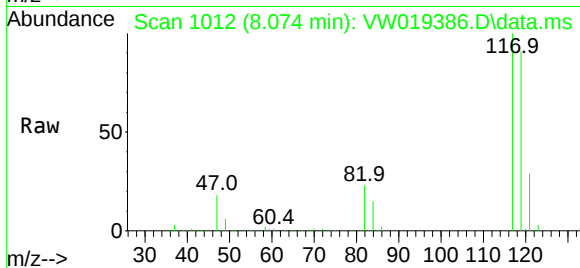




#31  
Carbon tetrachloride  
Concen: 23.560 ug/L  
RT: 8.074 min Scan# 1012  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

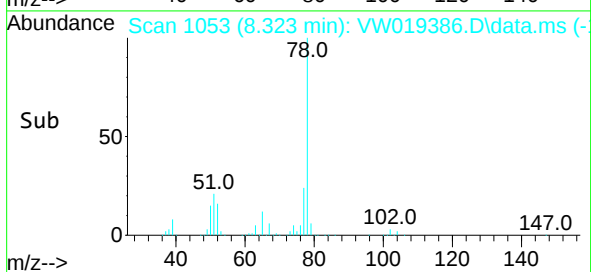
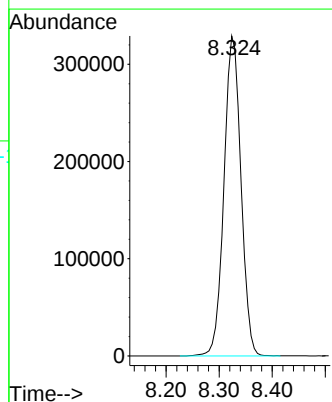
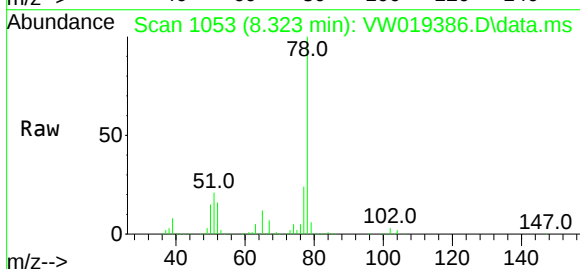
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

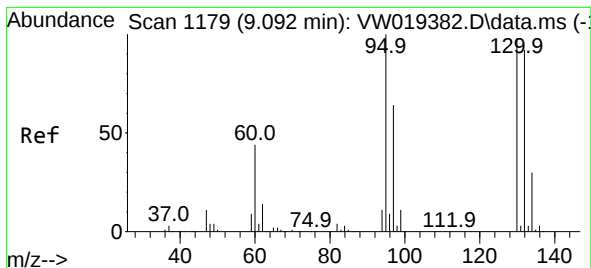
Tgt Ion:117 Resp: 227871  
Ion Ratio Lower Upper  
117 100  
119 94.8 76.5 114.7



#33  
Benzene  
Concen: 23.243 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion: 78 Resp: 733120





#34

Trichloroethene

Concen: 22.877 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW019386.D

Acq: 02 Jul 2021 15:38

Tgt Ion: 95 Resp: 183642

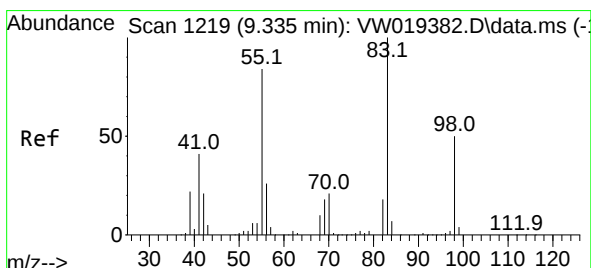
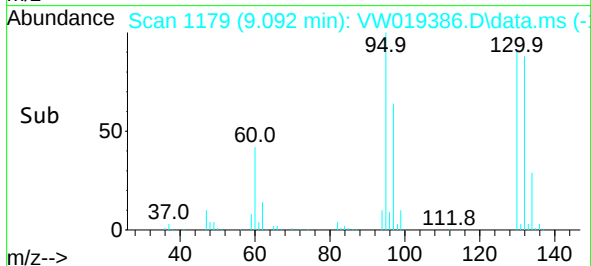
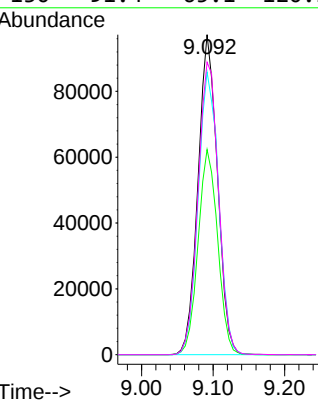
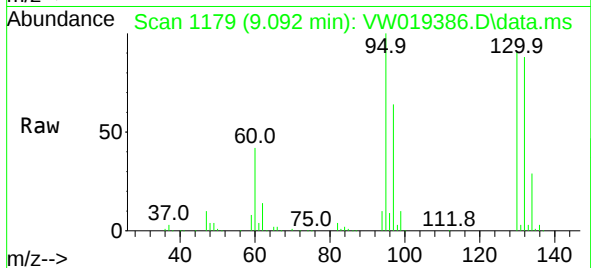
Ion Ratio Lower Upper

95 100

97 64.1 47.3 87.8

132 88.4 71.0 131.8

130 91.4 65.1 120.9



#35

Methylcyclohexane

Concen: 22.821 ug/L

RT: 9.336 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW019386.D

Acq: 02 Jul 2021 15:38

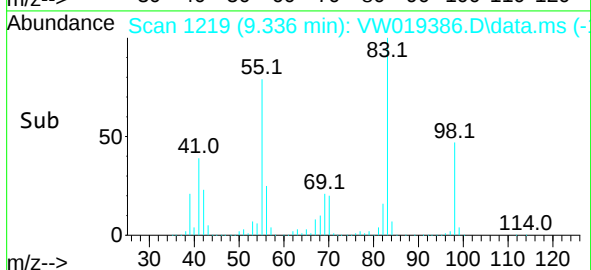
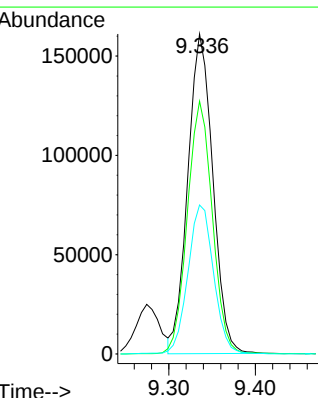
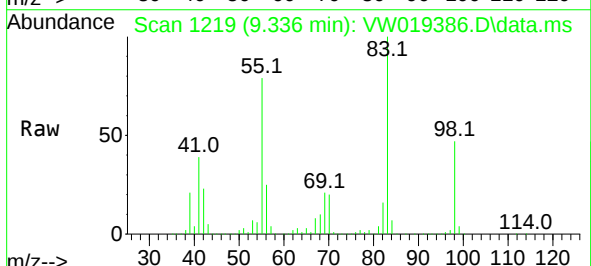
Tgt Ion: 83 Resp: 323136

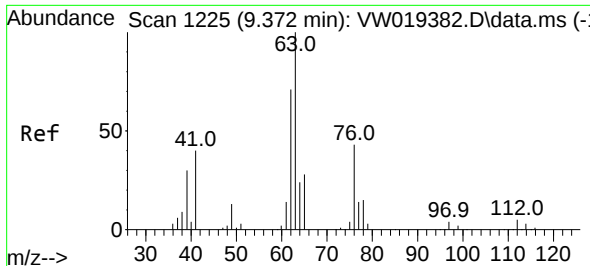
Ion Ratio Lower Upper

83 100

55 79.2 58.9 88.3

98 47.9 40.1 60.1

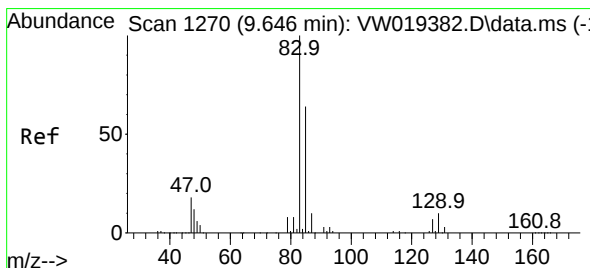
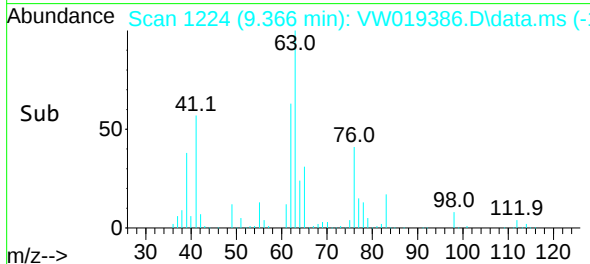
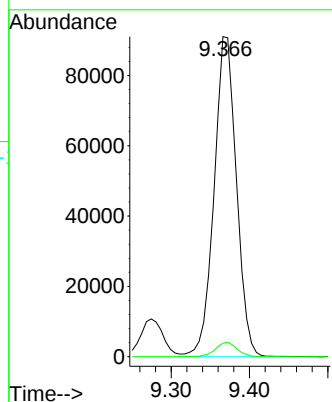
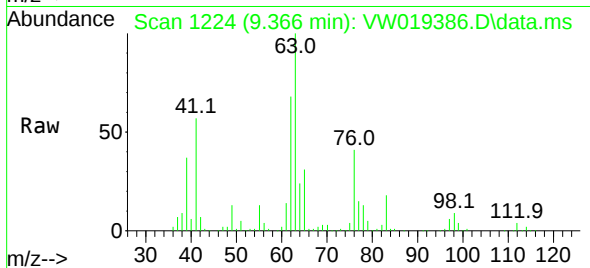




#37  
1,2-Dichloropropane  
Concen: 23.399 ug/L  
RT: 9.366 min Scan# 1224  
Delta R.T. -0.006 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

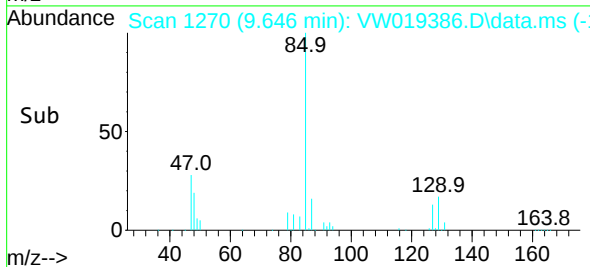
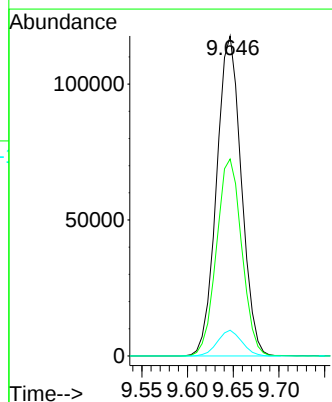
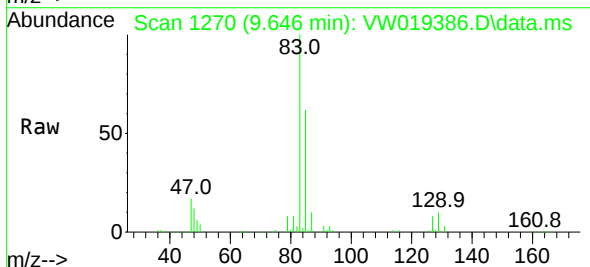
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

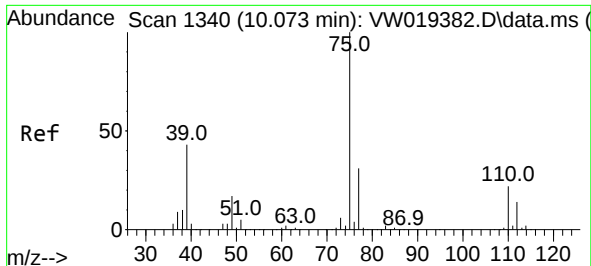
Tgt Ion: 63 Resp: 180652  
Ion Ratio Lower Upper  
63 100  
112 4.3 3.9 5.9



#38  
Bromodichloromethane  
Concen: 23.342 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion: 83 Resp: 221654  
Ion Ratio Lower Upper  
83 100  
85 61.5 42.3 78.5  
127 8.0 6.6 9.8

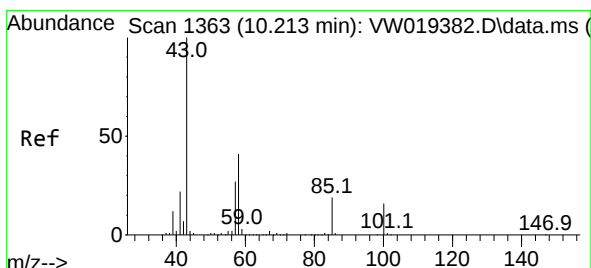
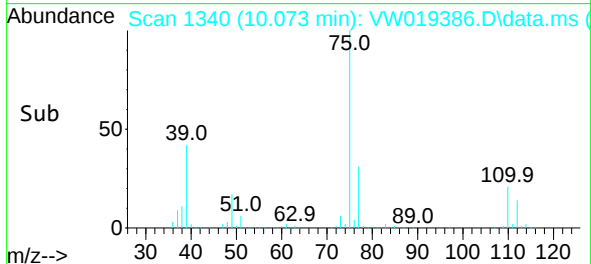
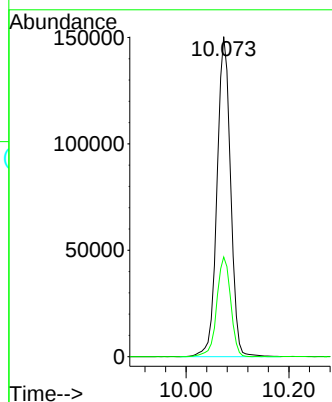
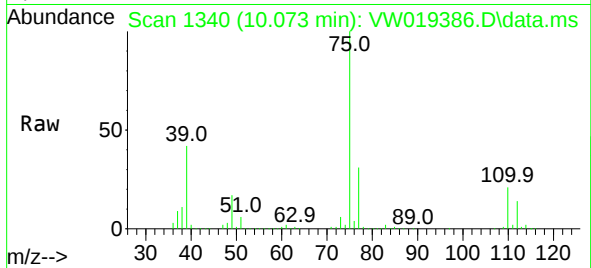




#39  
cis-1,3-Dichloropropene  
Concen: 23.907 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

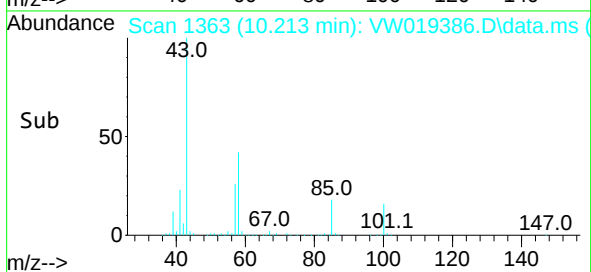
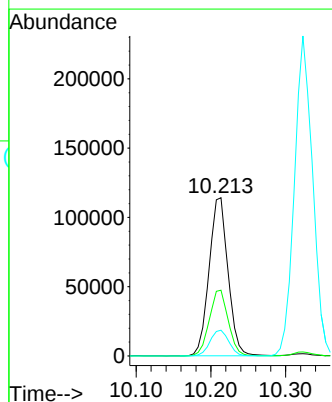
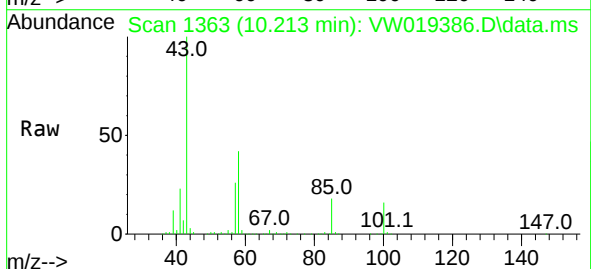
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

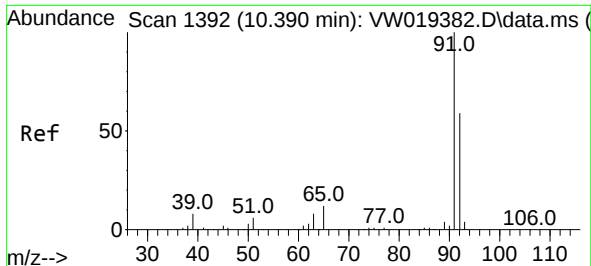
Tgt Ion: 75 Resp: 275263  
Ion Ratio Lower Upper  
75 100  
77 31.1 22.6 42.0



#40  
4-Methyl-2-pentanone  
Concen: 49.724 ug/L  
RT: 10.213 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion: 43 Resp: 201244  
Ion Ratio Lower Upper  
43 100  
58 41.6 31.0 46.4  
100 16.2 13.0 19.6

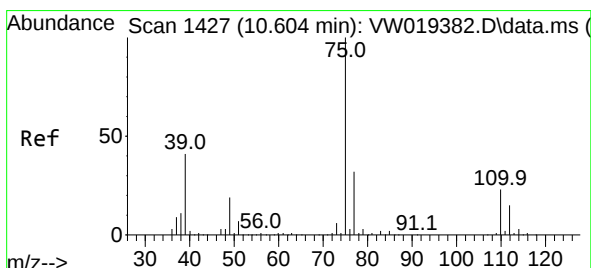
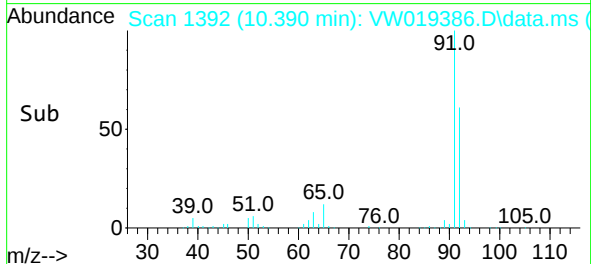
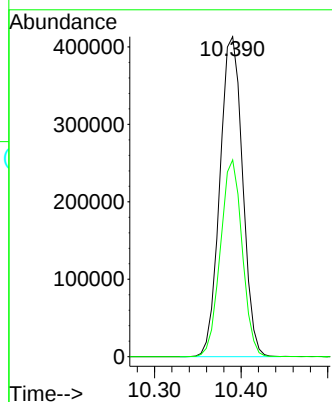
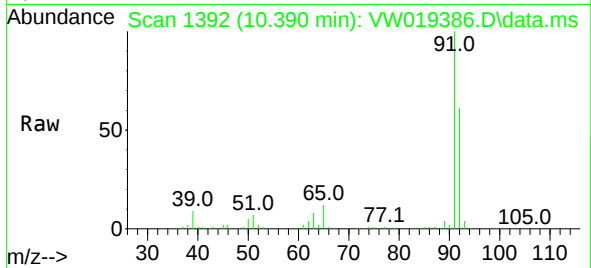




#42  
Toluene  
Concen: 22.999 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

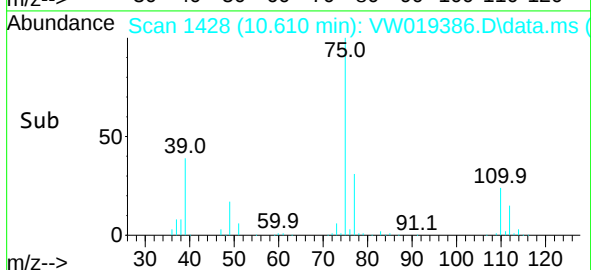
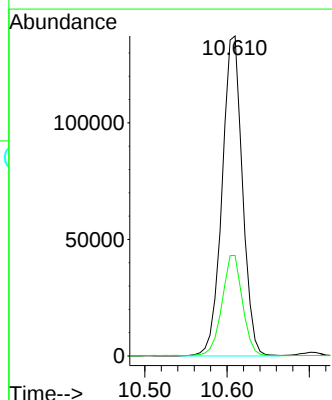
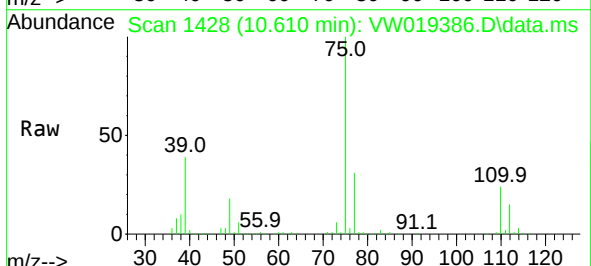
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTD005480

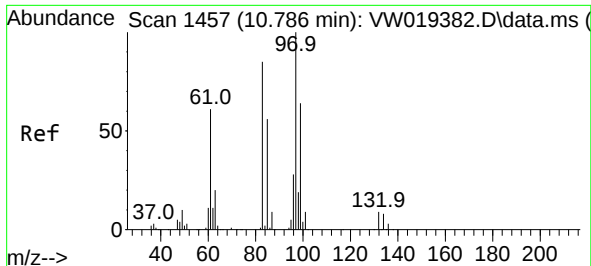
Tgt Ion: 91 Resp: 752395  
Ion Ratio Lower Upper  
91 100  
92 61.5 39.5 73.3



#44  
trans-1,3-Dichloropropene  
Concen: 24.018 ug/L  
RT: 10.610 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion: 75 Resp: 236102  
Ion Ratio Lower Upper  
75 100  
77 31.4 21.1 39.1



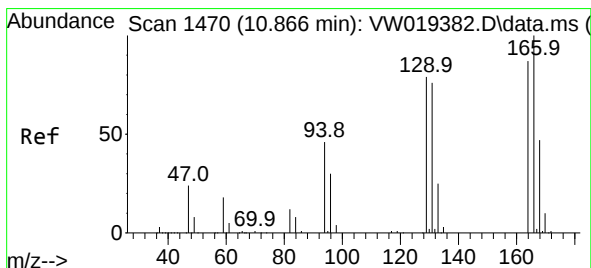
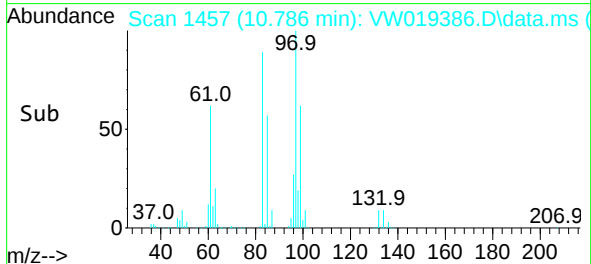
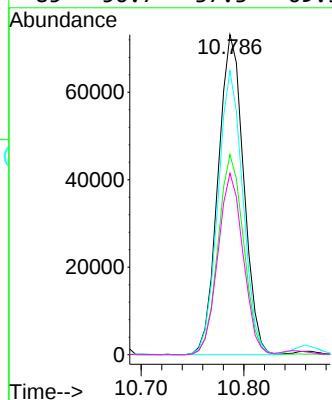
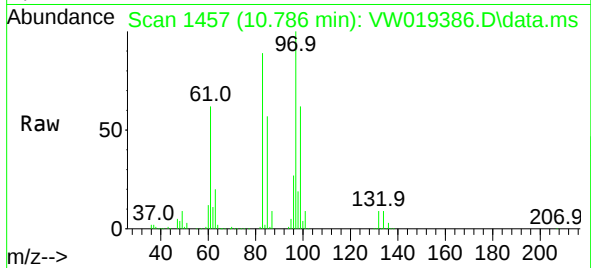


#45  
1,1,2-Trichloroethane  
Concen: 23.130 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

Tgt Ion: 97 Resp: 126536

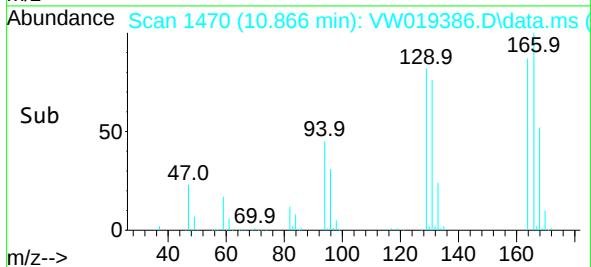
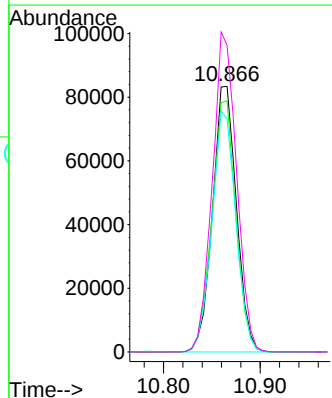
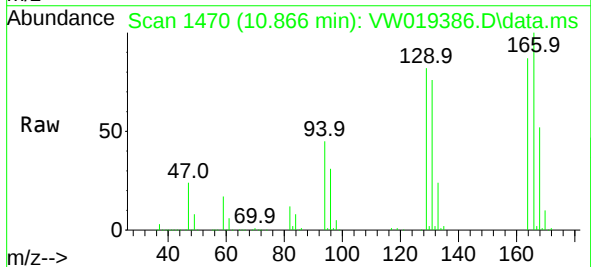
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.5  | 45.1  | 83.7  |
| 83  | 88.8  | 58.1  | 107.9 |
| 85  | 56.7  | 37.3  | 69.3  |

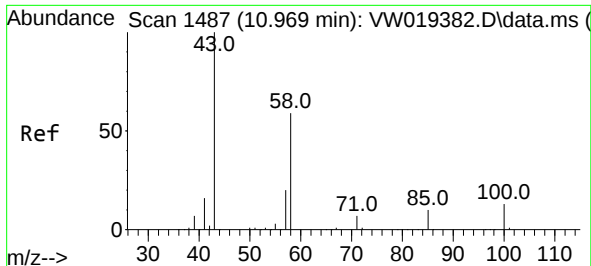


#46  
Tetrachloroethene  
Concen: 23.078 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion: 164 Resp: 143106

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 94.6  | 66.7  | 123.9 |
| 131 | 87.5  | 61.1  | 113.5 |
| 166 | 115.4 | 87.0  | 161.6 |

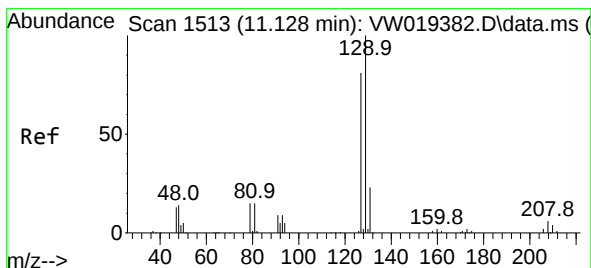
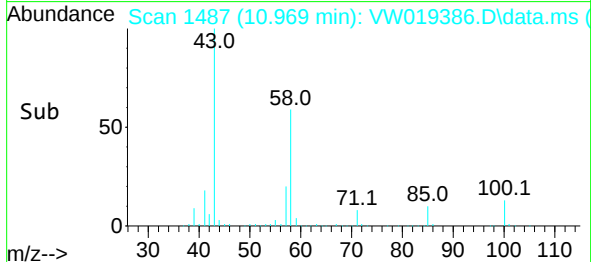
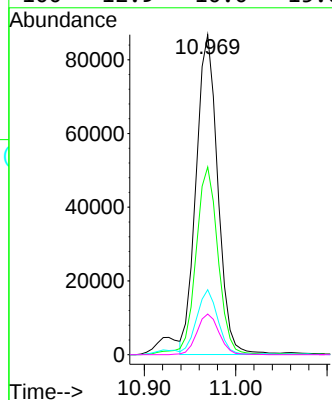
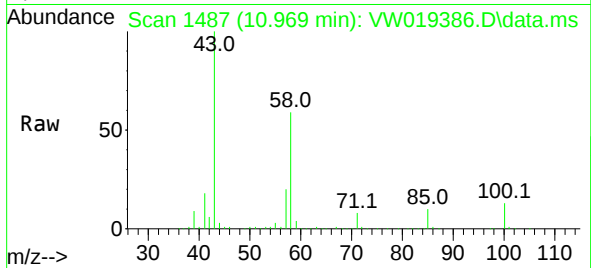




#48  
2-Hexanone  
Concen: 51.673 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

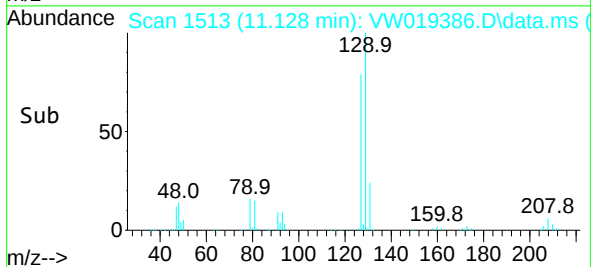
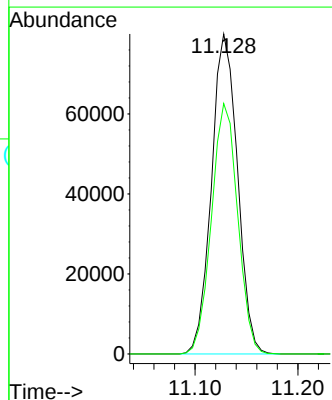
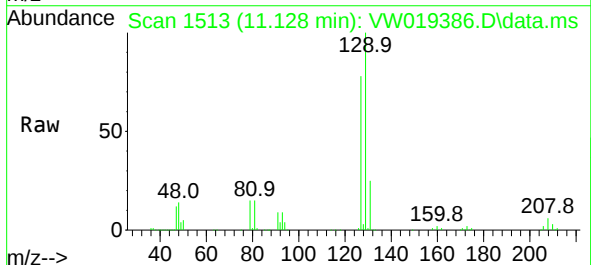
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

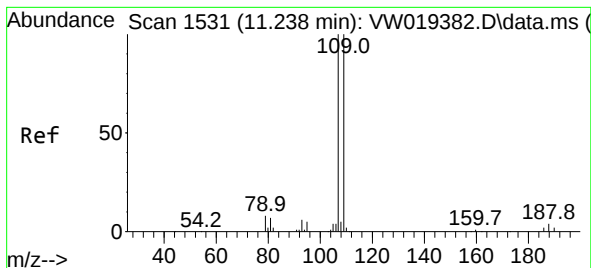
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 143313 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 59.9  | 42.7  | 64.1   |
| 57       | 20.0  | 15.8  | 23.8   |
| 100      | 12.9  | 10.0  | 15.0   |



#49  
Dibromochloromethane  
Concen: 23.176 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

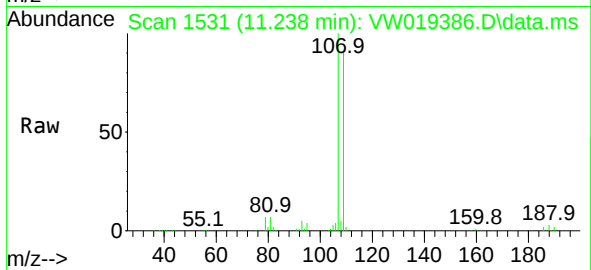
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 140583 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 78.2  | 51.7  | 95.9   |



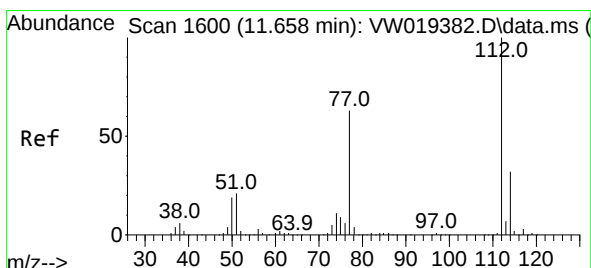
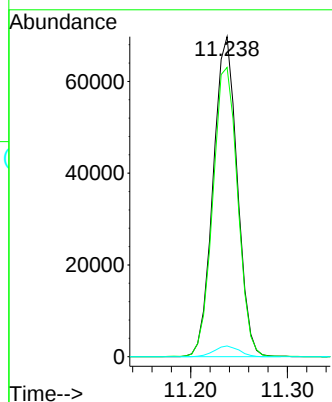
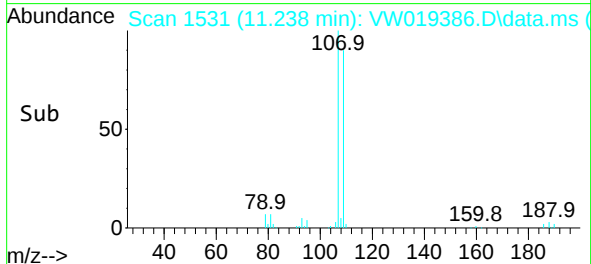


#50  
1,2-Dibromoethane  
Concen: 23.315 ug/L  
RT: 11.238 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

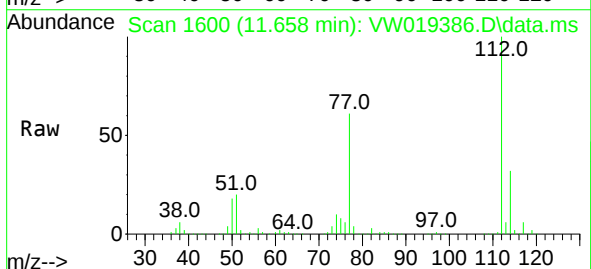
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480



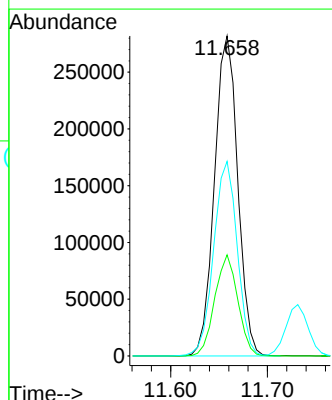
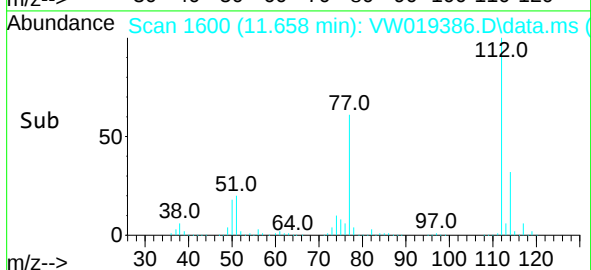
Tgt Ion:107 Resp: 120719  
Ion Ratio Lower Upper  
107 100  
109 90.4 65.4 121.4  
188 3.3 2.6 4.0

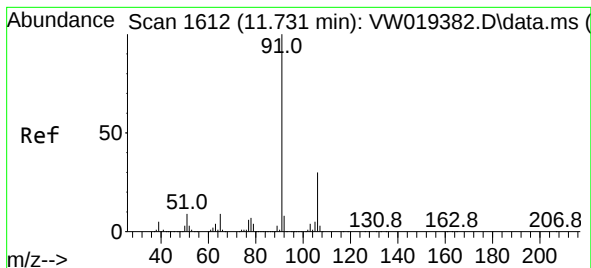


#51  
Chlorobenzene  
Concen: 22.894 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38



Tgt Ion:112 Resp: 471122  
Ion Ratio Lower Upper  
112 100  
114 31.6 23.4 43.6  
77 60.8 47.6 71.4

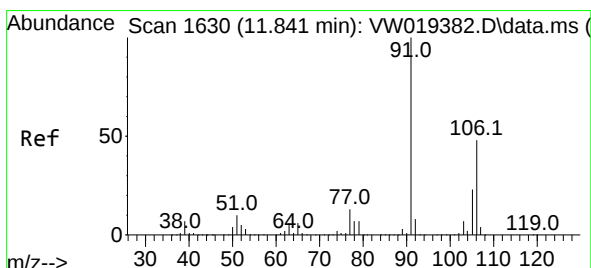
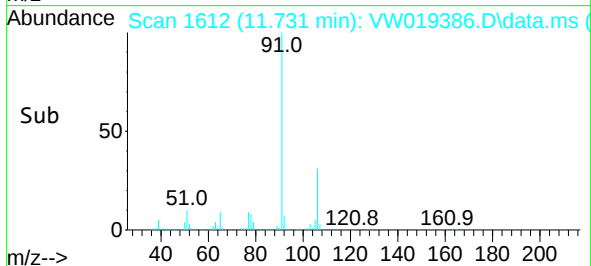
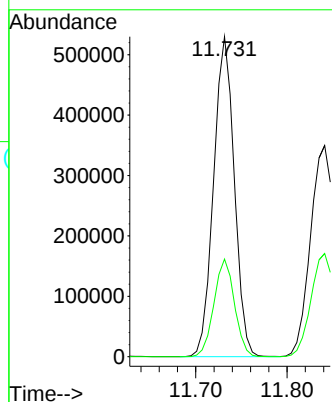
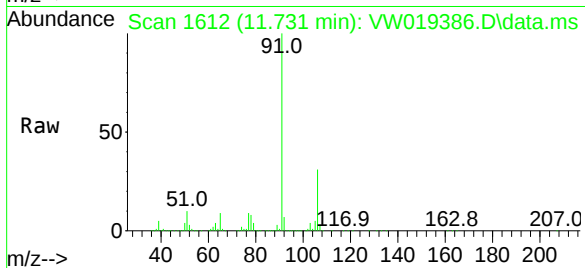




#52  
Ethylbenzene  
Concen: 23.278 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

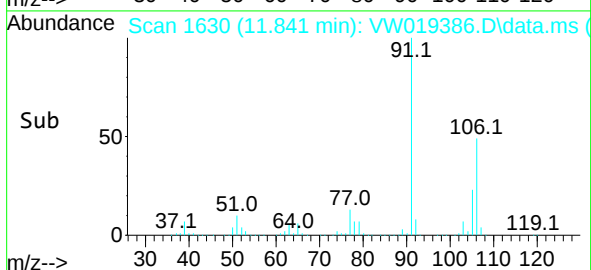
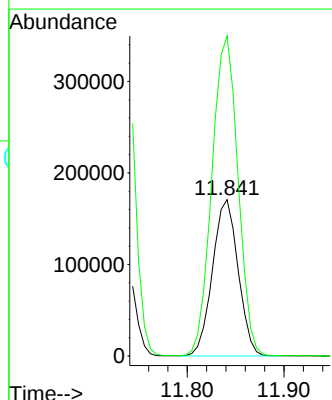
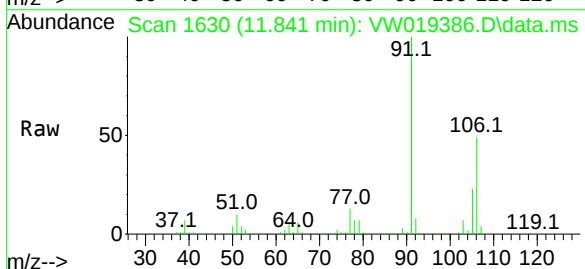
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

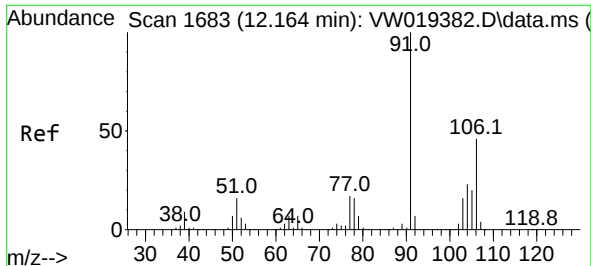
Tgt Ion: 91 Resp: 832491  
Ion Ratio Lower Upper  
91 100  
106 30.5 22.5 41.7



#53  
m,p-Xylene  
Concen: 23.215 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion: 106 Resp: 314274  
Ion Ratio Lower Upper  
106 100  
91 204.7 141.3 262.3

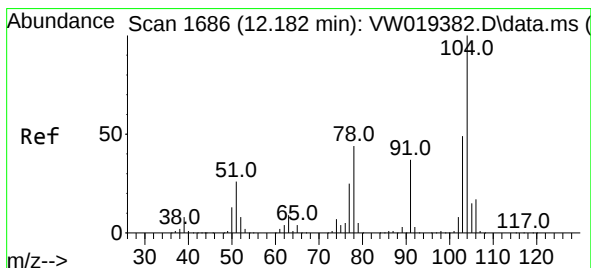
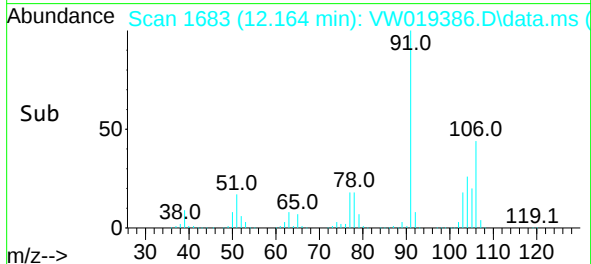
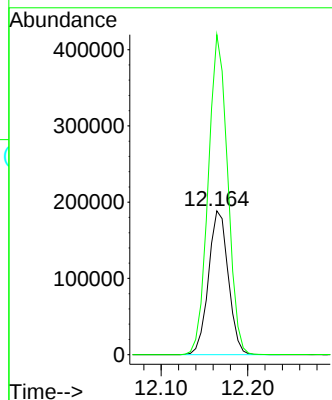
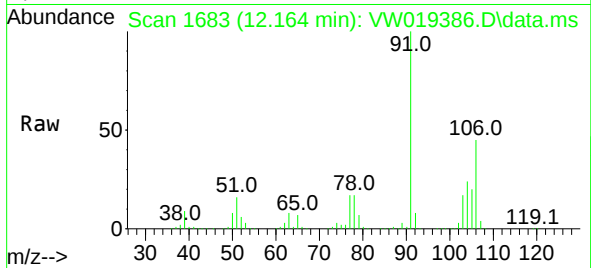




#54  
o-Xylene  
Concen: 23.129 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

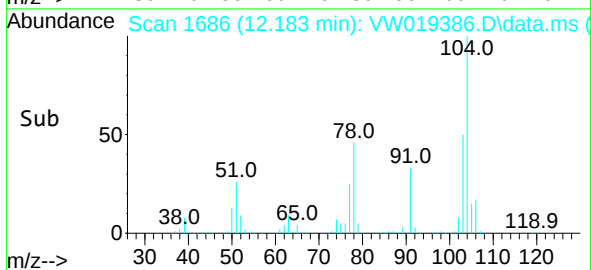
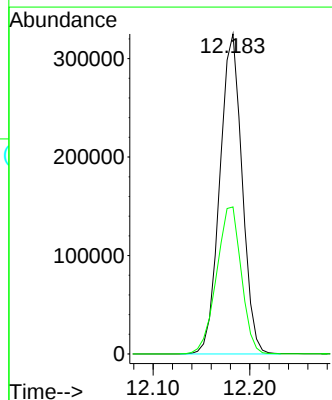
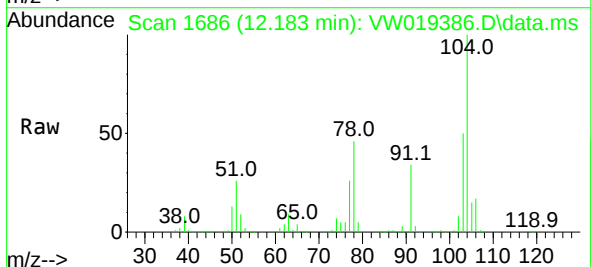
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

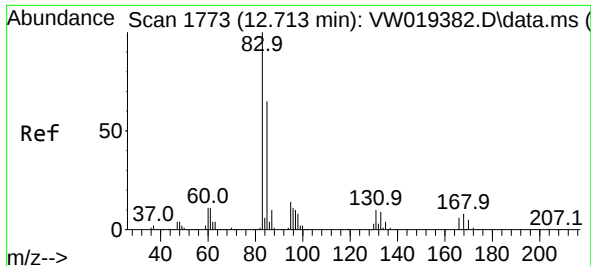
Tgt Ion:106 Resp: 298723  
Ion Ratio Lower Upper  
106 100  
91 222.4 150.0 278.6



#55  
Styrene  
Concen: 23.784 ug/L  
RT: 12.183 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion:104 Resp: 519549  
Ion Ratio Lower Upper  
104 100  
78 45.9 32.5 60.3

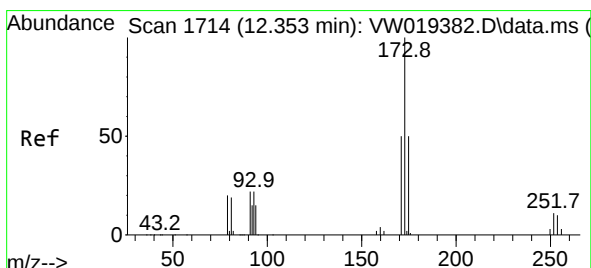
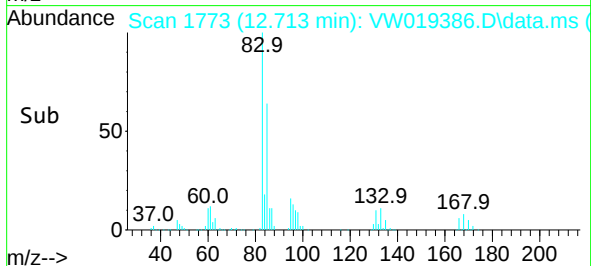
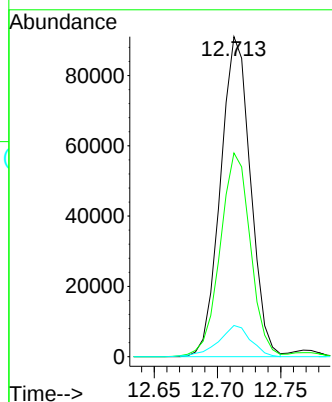
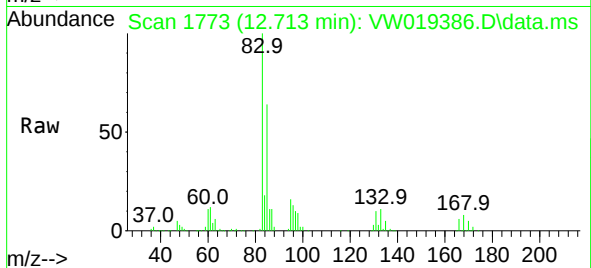




#57  
1,1,2,2-Tetrachloroethane  
Concen: 23.205 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

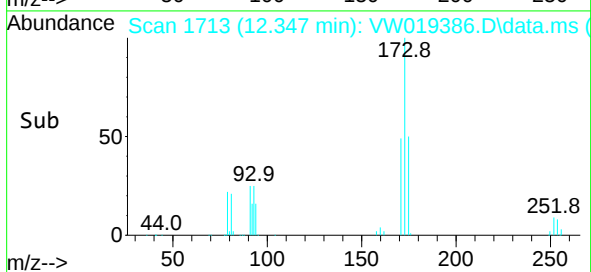
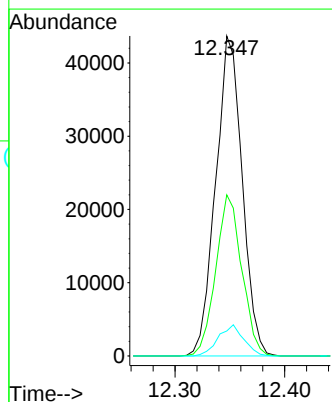
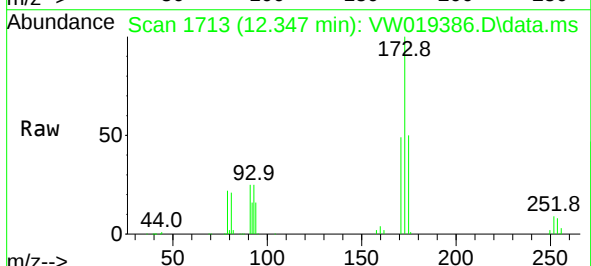
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

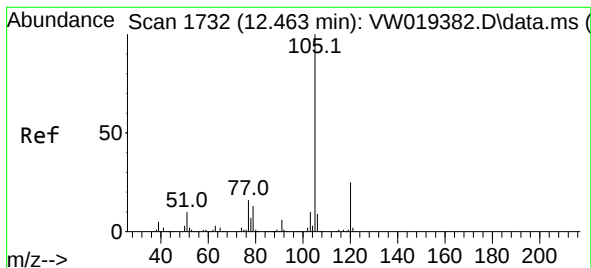
Tgt Ion: 83 Resp: 149856  
Ion Ratio Lower Upper  
83 100  
85 63.6 44.4 82.4  
131 9.7 8.2 12.4



#59  
Bromoform  
Concen: 22.900 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. -0.006 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion: 173 Resp: 73441  
Ion Ratio Lower Upper  
173 100  
175 49.4 37.5 56.3  
254 9.4 7.0 10.4

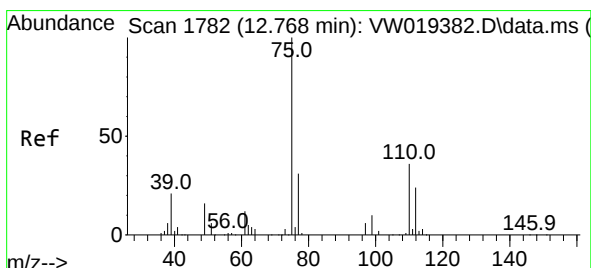
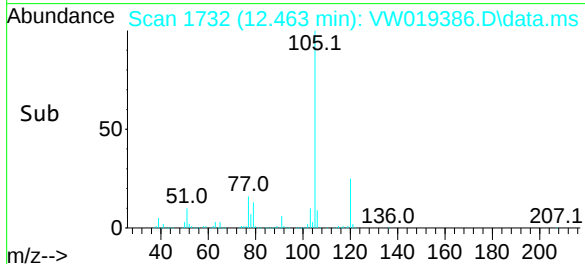
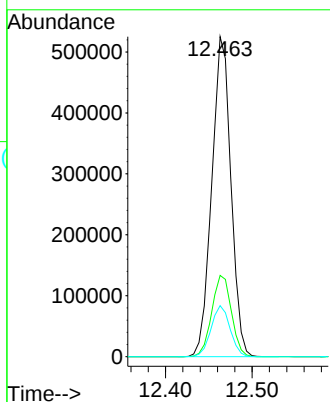
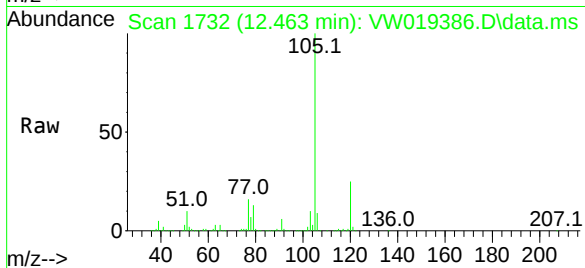




#60  
Isopropylbenzene  
Concen: 24.091 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

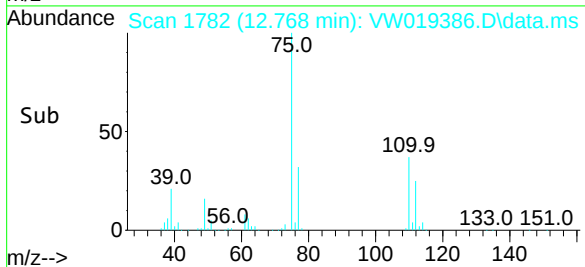
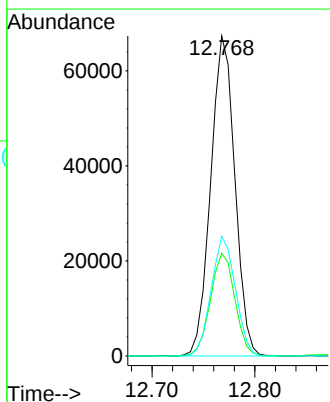
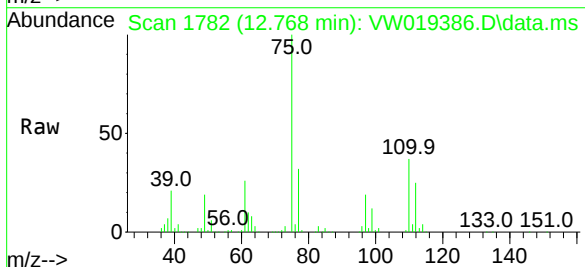
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

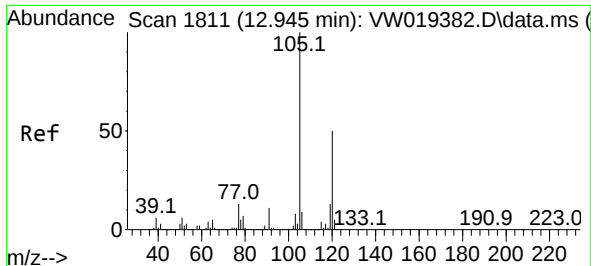
Tgt Ion:105 Resp: 805820  
Ion Ratio Lower Upper  
105 100  
120 26.0 21.1 31.7  
77 15.9 13.2 19.8



#61  
1,2,3-Trichloropropane  
Concen: 23.508 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion: 75 Resp: 109696  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.3 37.9  
110 37.5 32.6 48.8

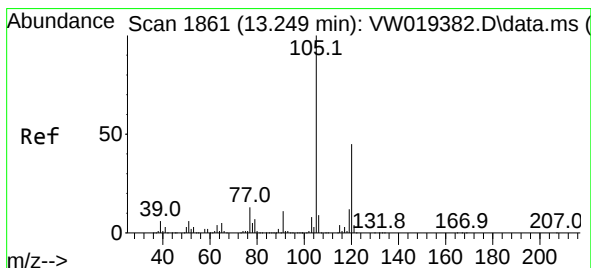
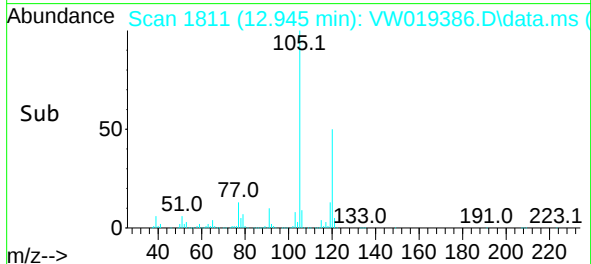
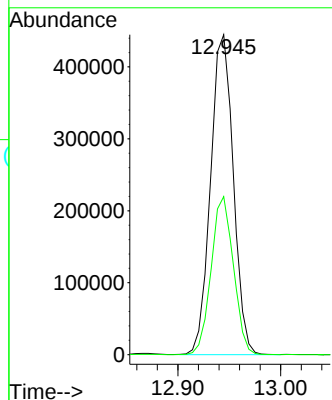
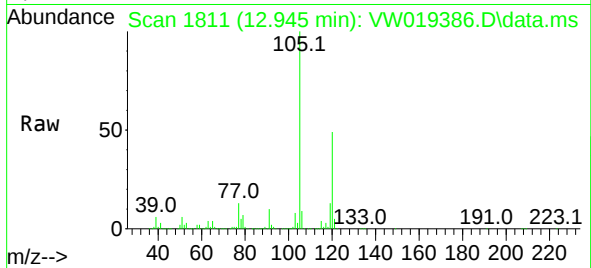




#62  
1,3,5-Trimethylbenzene  
Concen: 24.513 ug/L  
RT: 12.945 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

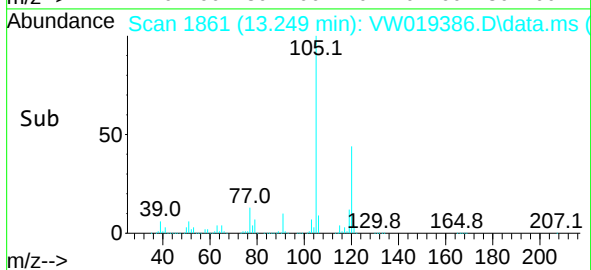
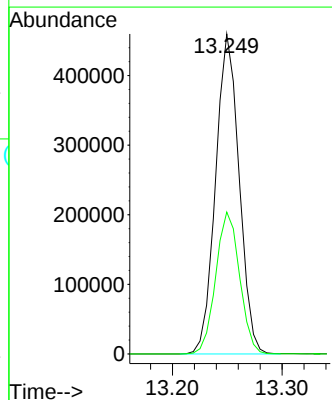
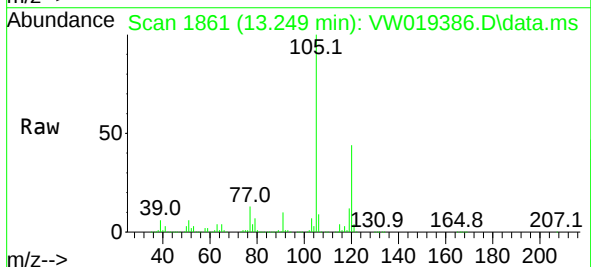
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

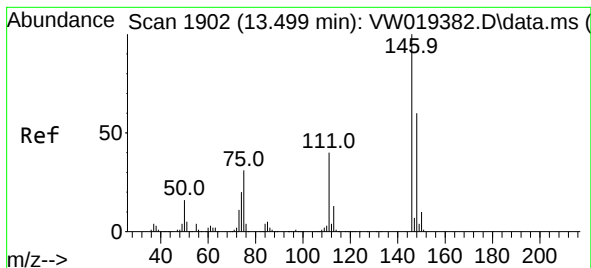
Tgt Ion:105 Resp: 683280  
Ion Ratio Lower Upper  
105 100  
120 48.3 39.0 58.6



#63  
1,2,4-Trimethylbenzene  
Concen: 24.714 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion:105 Resp: 685031  
Ion Ratio Lower Upper  
105 100  
120 45.0 35.6 53.4

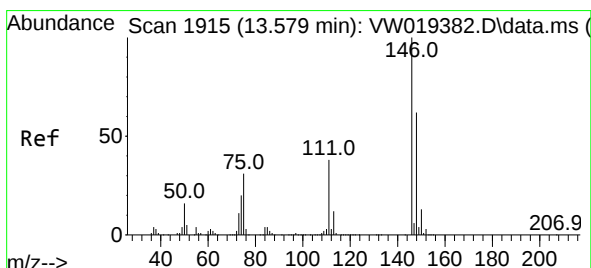
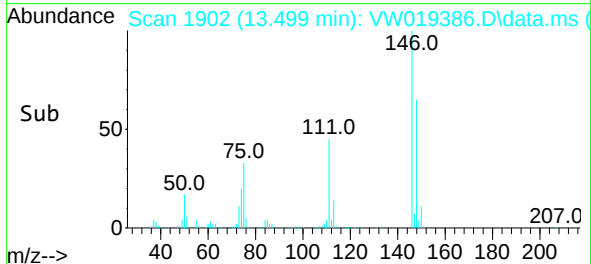
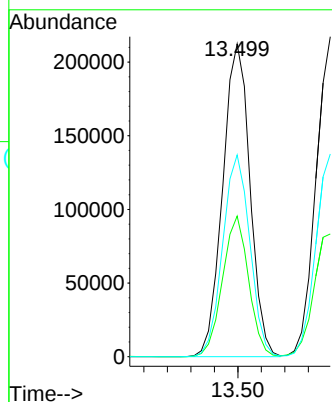
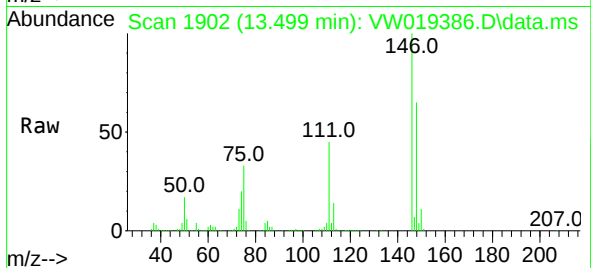




#64  
1,3-Dichlorobenzene  
Concen: 22.970 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

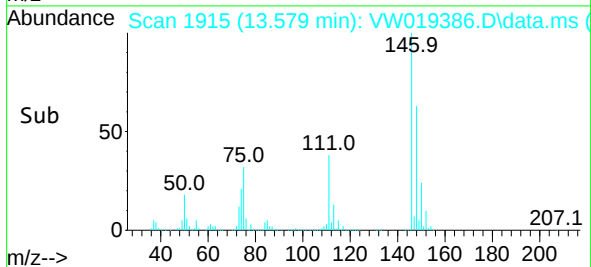
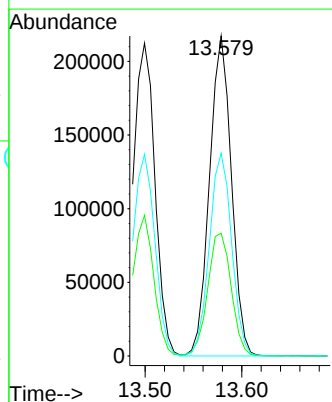
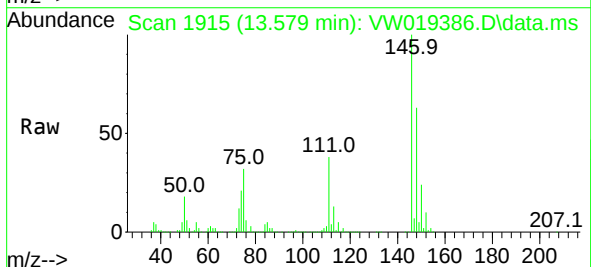
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

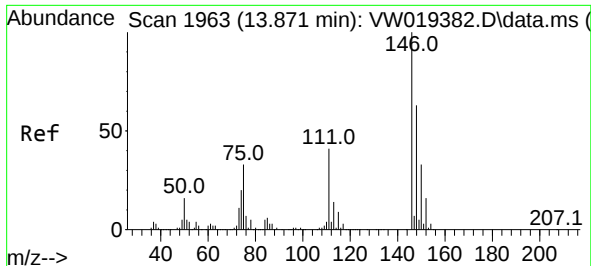
Tgt Ion:146 Resp: 342339  
Ion Ratio Lower Upper  
146 100  
111 44.9 26.7 49.7  
148 64.5 41.1 76.3



#65  
1,4-Dichlorobenzene  
Concen: 23.144 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion:146 Resp: 342745  
Ion Ratio Lower Upper  
146 100  
111 38.3 28.8 53.4  
148 63.4 46.8 87.0

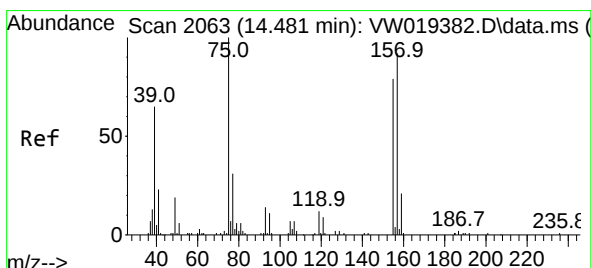
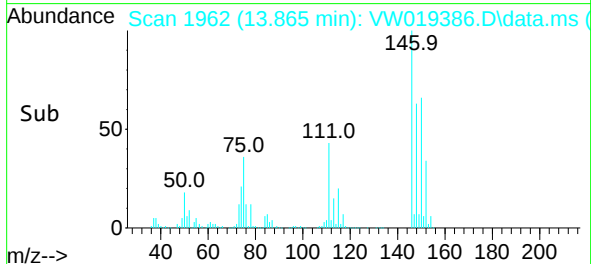
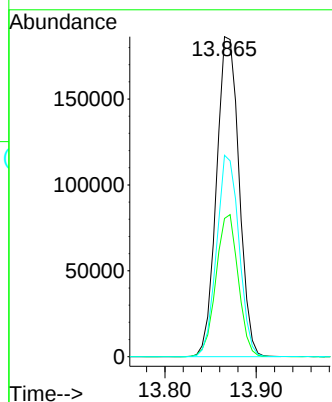
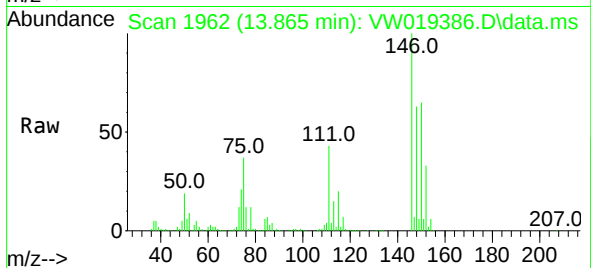




#67  
1,2-Dichlorobenzene  
Concen: 24.248 ug/L  
RT: 13.865 min Scan# 1962  
Delta R.T. -0.006 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

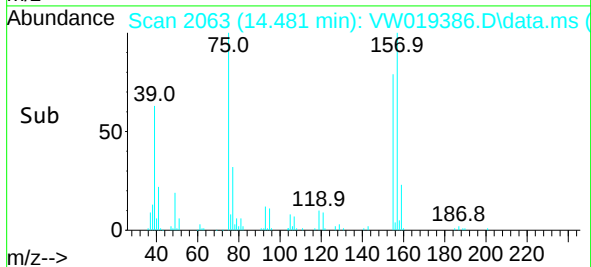
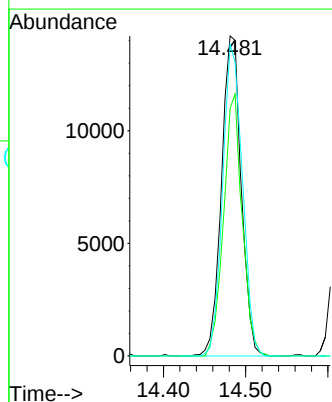
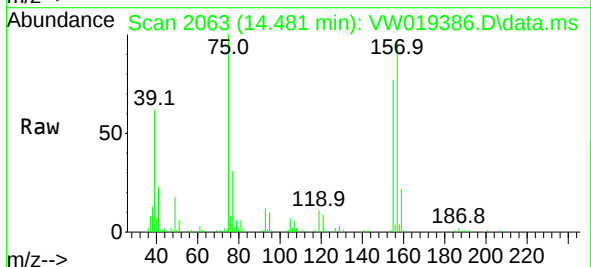
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

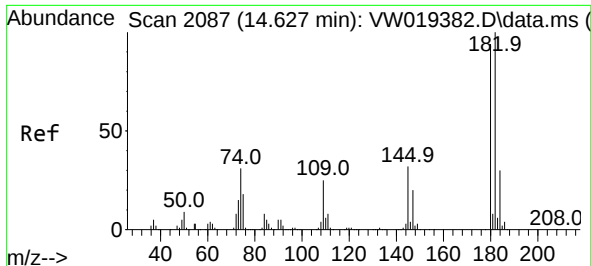
Tgt Ion:146 Resp: 319536  
Ion Ratio Lower Upper  
146 100  
111 43.2 33.2 49.8  
148 63.0 50.4 75.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 24.065 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

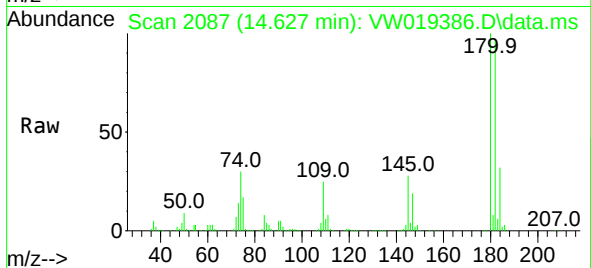
Tgt Ion: 75 Resp: 23709  
Ion Ratio Lower Upper  
75 100  
155 77.4 59.4 89.0  
157 97.4 72.2 108.2



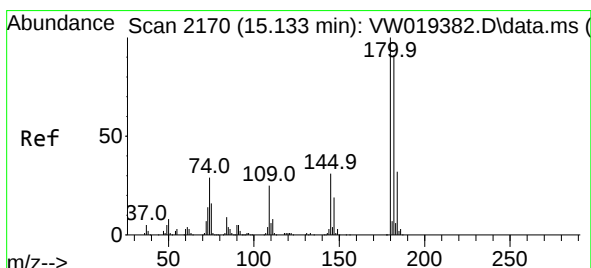
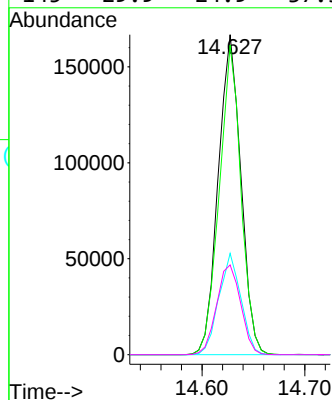
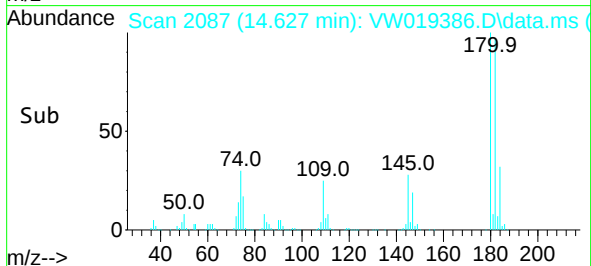


#69  
1,3,5-Trichlorobenzene  
Concen: 23.550 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

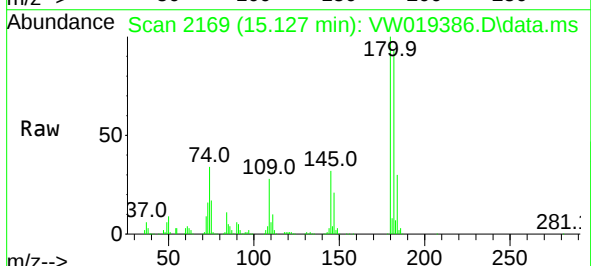
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ClientSampleId :  
VSTD005480



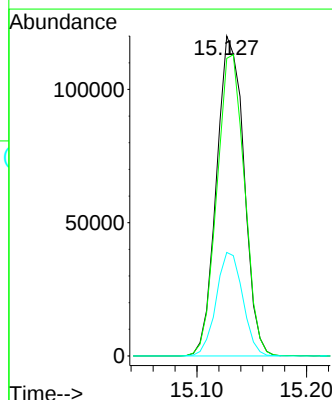
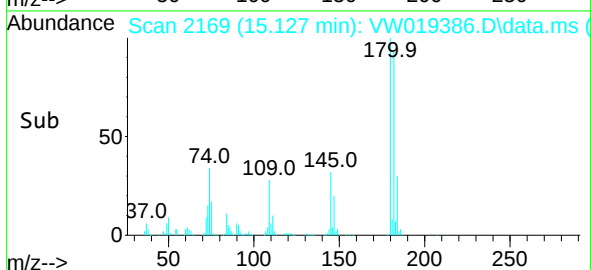
Tgt Ion:180 Resp: 254074  
Ion Ratio Lower Upper  
180 100  
182 93.0 73.4 110.2  
184 31.0 23.6 35.4  
145 29.9 24.9 37.3

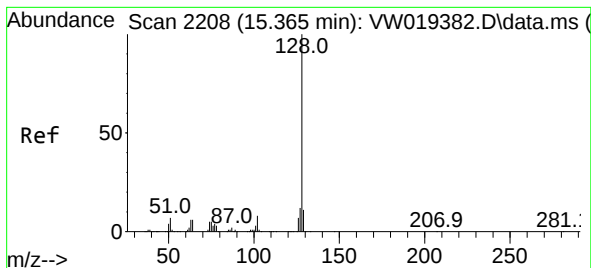


#70  
1,2,4-trichlorobenzene  
Concen: 23.476 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. -0.006 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38



Tgt Ion:180 Resp: 208557  
Ion Ratio Lower Upper  
180 100  
182 94.6 74.7 112.1  
145 31.3 25.0 37.4

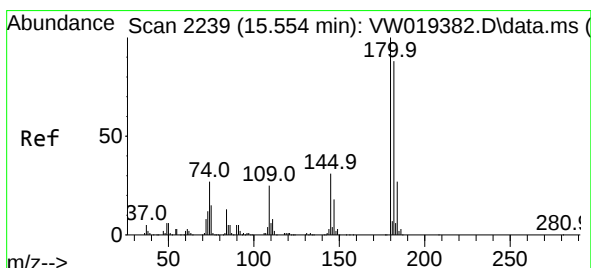
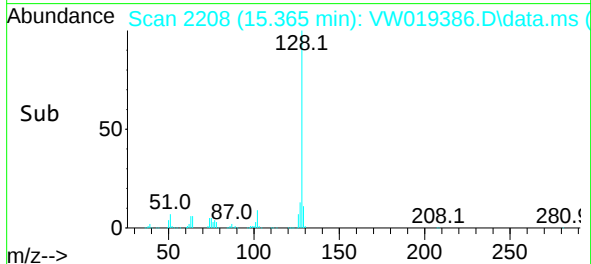
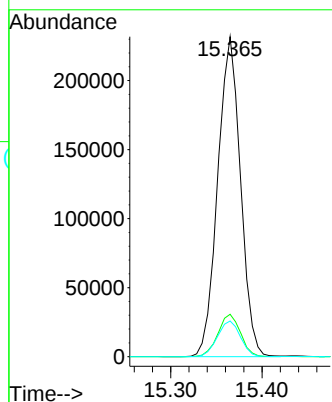
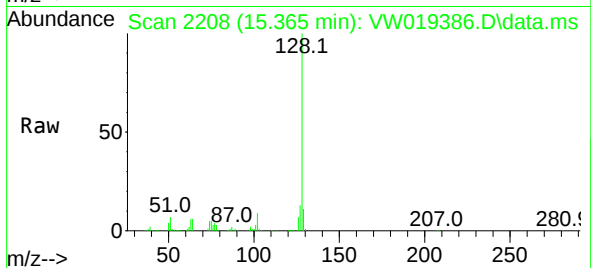




#71  
Naphthalene  
Concen: 23.747 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD005480

Tgt Ion:128 Resp: 401854  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.6 15.8  
129 11.3 9.0 13.6



#72  
1,2,3-Trichlorobenzene  
Concen: 23.340 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. 0.000 min  
Lab File: VW019386.D  
Acq: 02 Jul 2021 15:38

Tgt Ion:180 Resp: 179406  
Ion Ratio Lower Upper  
180 100  
182 98.7 76.7 115.1  
145 34.5 28.9 43.3

