

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV081721\  
 Data File : VV021849.D  
 Acq On : 18 Aug 2021 05:23  
 Operator : SY/MD  
 Sample : M3422-25MSD  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 18 05:44:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM081621WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 18 03:33:12 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619   | 114   | 406798   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854   | 117   | 380170   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249  | 152   | 197335   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 105500   | 33.174   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 66.340%  |
| 7) Chloroethane-d5            | 1.558   | 69    | 93387    | 38.913   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 77.820%  |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63    | 181451   | 35.844   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 71.680%  |
| 21) 2-Butanone-d5             | 3.873   | 46    | 217169   | 109.798  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 109.800% |
| 24) Chloroform-d              | 4.349   | 84    | 258364   | 46.892   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.780%  |
| 26) 1,2-Dichloroethane-d4     | 5.034   | 65    | 151232   | 47.717   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.440%  |
| 32) Benzene-d6                | 5.050   | 84    | 473905   | 43.349   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.700%  |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67    | 159777   | 46.932   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 93.860%  |
| 41) Toluene-d8                | 7.317   | 98    | 423080   | 41.870   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 83.740%  |
| 43) trans-1,3-Dichloroprop... | 7.622   | 79    | 72118    | 43.043   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.080%  |
| 47) 2-Hexanone-d5             | 8.088   | 63    | 130861   | 117.280  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 117.280% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217  | 84    | 240723   | 57.059   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 114.120% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 191732   | 46.948   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.900%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 147199   | 46.772   | ug/L   | 99       |
| 3) Chloromethane              | 1.240   | 50    | 163160   | 49.920   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.307   | 62    | 158432   | 49.228   | ug/L   | 98       |
| 6) Bromomethane               | 1.507   | 94    | 99620    | 51.498   | ug/L   | 98       |
| 8) Chloroethane               | 1.577   | 64    | 95852    | 49.840   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 219399   | 49.755   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114   | 101   | 113855   | 45.097   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 113432   | 47.171   | ug/L   | 90       |
| 13) Acetone                   | 2.159   | 43    | 120861   | 74.264   | ug/L # | 100      |
| 14) Carbon disulfide          | 2.291   | 76    | 401243   | 49.591   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.426   | 43    | 102943   | 34.431   | ug/L   | 98       |
| 16) Methylene chloride        | 2.503   | 84    | 159349   | 47.640   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.757   | 96    | 148071   | 52.475   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.767   | 73    | 464176   | 53.488   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.188   | 63    | 263417   | 52.443   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.912   | 96    | 164364   | 50.302   | ug/L   | 98       |
| 22) 2-Butanone                | 3.957   | 43    | 217595   | 91.808   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.246   | 128   | 87627    | 50.547   | ug/L   | 96       |
| 25) Chloroform                | 4.375   | 83    | 269035   | 49.778   | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW081721\  
 Data File : VW021849.D  
 Acq On : 18 Aug 2021 05:23  
 Operator : SY/MD  
 Sample : M3422-25MSD  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 44 Sample Multiplier: 1

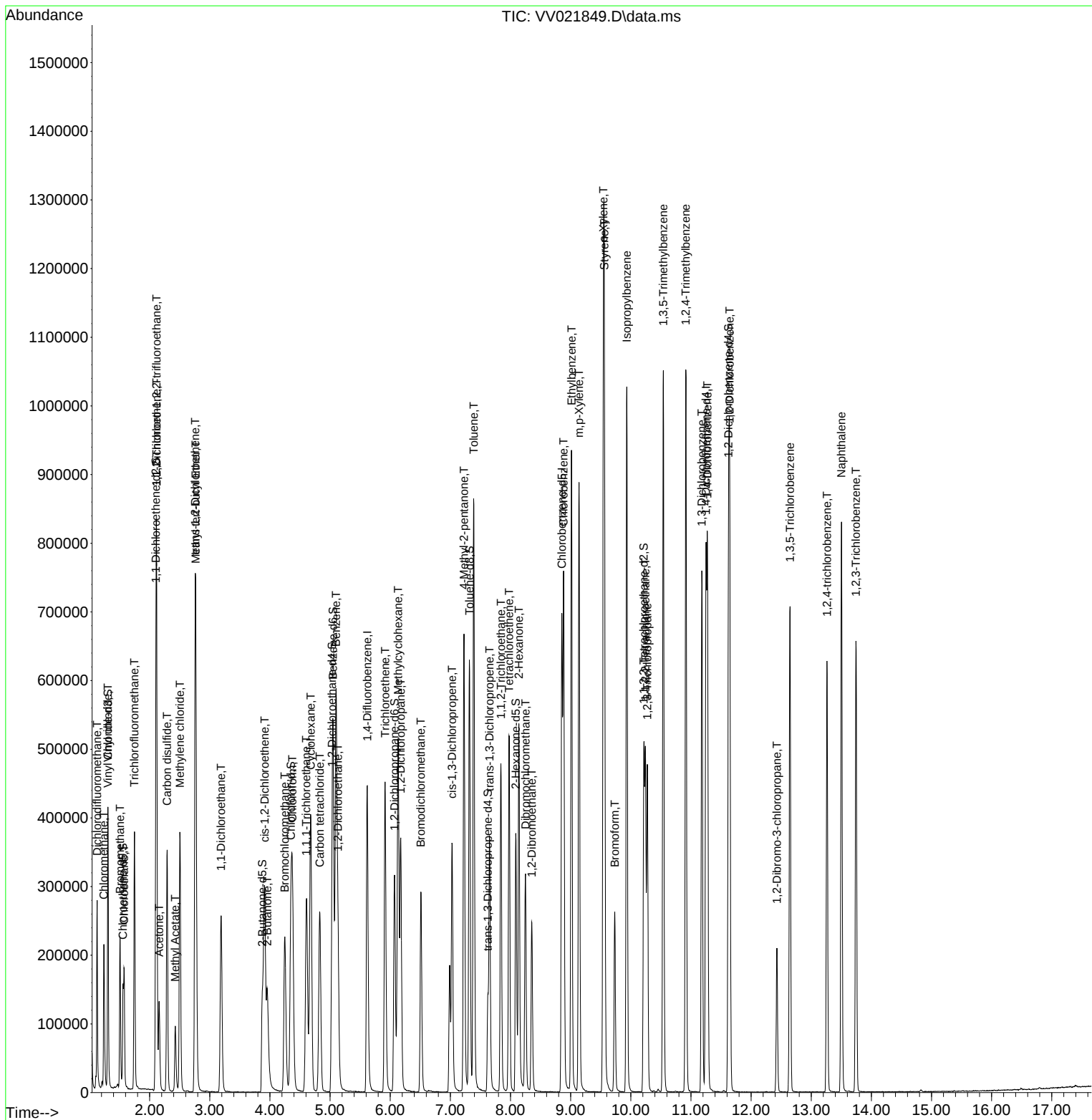
Instrument :  
 MSVOA\_V  
 ClientSampleId :

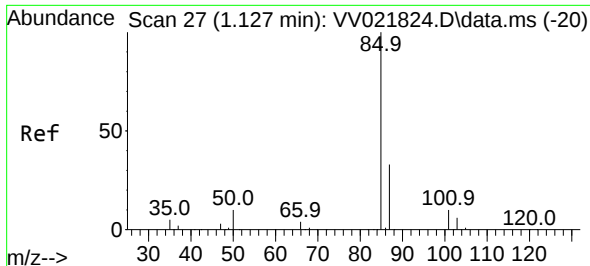
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM081621WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 18 03:33:12 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 189029   | 49.640  | ug/L  | 100      |
| 29) Cyclohexane               | 4.677  | 56   | 231460   | 49.435  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 236588   | 49.734  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 203802   | 49.511  | ug/L  | 100      |
| 33) Benzene                   | 5.098  | 78   | 597015   | 51.031  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 156193   | 46.460  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.130  | 83   | 233358   | 47.578  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 152138   | 51.358  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.510  | 83   | 197124   | 50.488  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 228246   | 48.659  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 434786   | 106.700 | ug/L  | 99       |
| 42) Toluene                   | 7.387  | 91   | 638089   | 51.068  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 210507   | 47.620  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 152118   | 51.261  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.979  | 164  | 120525   | 48.239  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.140  | 43   | 323135   | 102.374 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.249  | 129  | 167221   | 51.038  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 165848   | 51.356  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.883  | 112  | 406708   | 49.853  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 674259   | 50.581  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.140  | 106  | 262743   | 50.858  | ug/L  | 98       |
| 54) o-Xylene                  | 9.545  | 106  | 259511   | 50.676  | ug/L  | 99       |
| 55) Styrene                   | 9.561  | 104  | 442045   | 51.548  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 236139   | 57.161  | ug/L  | 99       |
| 59) Bromoform                 | 9.735  | 173  | 119606   | 50.987  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.934  | 105  | 676264   | 51.116  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 188112   | 51.583  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.542 | 105  | 564649   | 50.859  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 578028   | 51.206  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.182 | 146  | 321348   | 50.157  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 316561   | 49.500  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.645 | 146  | 327455   | 50.665  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 46913    | 52.911  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 223514   | 48.128  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 193103   | 49.578  | ug/L  | 99       |
| 71) Naphthalene               | 13.503 | 128  | 655831   | 57.966  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 202802   | 51.830  | ug/L  | 99       |

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

Quant Time: Aug 18 05:44:41 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM081621WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Aug 18 03:33:12 2021  
Response via : Initial Calibration

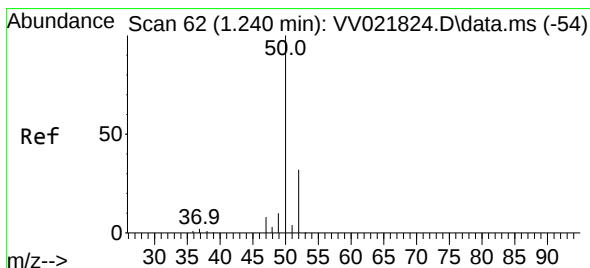
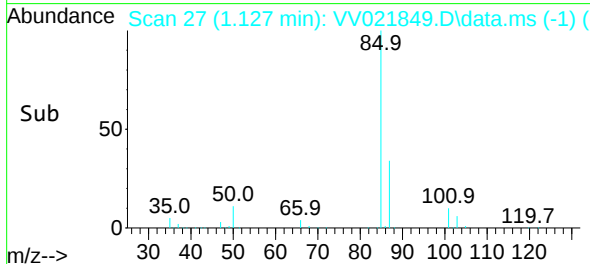
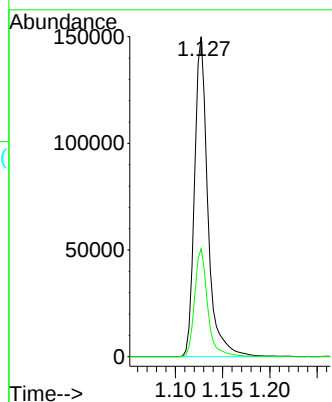
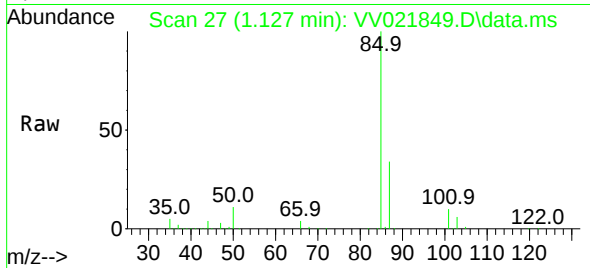




#2  
Dichlorodifluoromethane  
Concen: 46.772 ug/L  
RT: 1.127 min Scan# 27  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

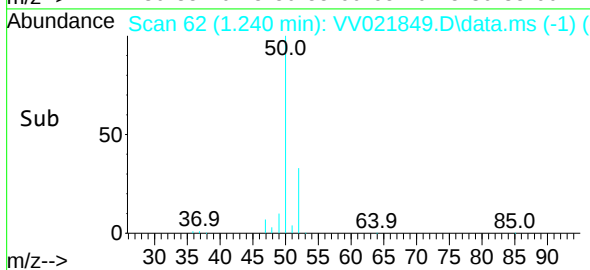
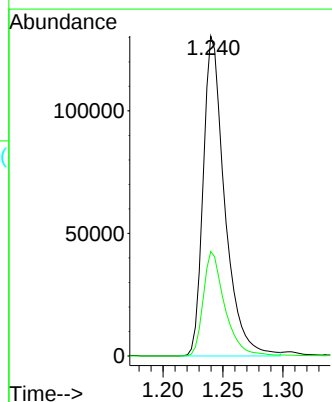
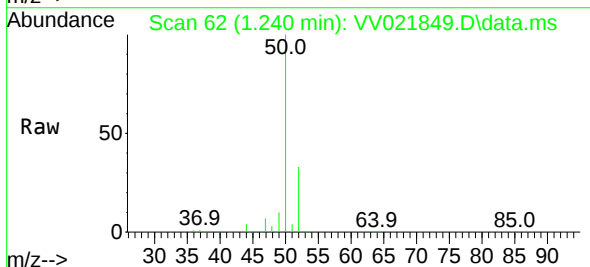
Instrument :  
MSVOA\_V  
ClientSampled :

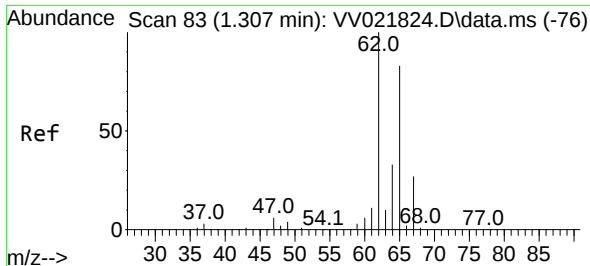
Tgt Ion: 85 Resp: 147199  
Ion Ratio Lower Upper  
85 100  
87 33.0 26.1 39.1



#3  
Chloromethane  
Concen: 49.920 ug/L  
RT: 1.240 min Scan# 62  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion: 50 Resp: 163160  
Ion Ratio Lower Upper  
50 100  
52 32.7 22.7 42.1

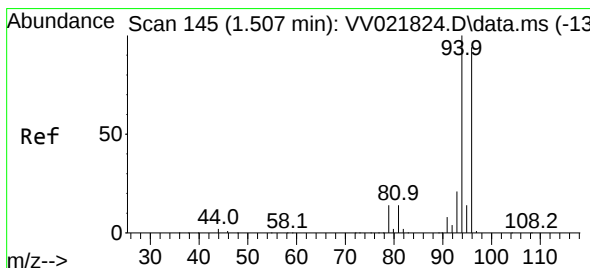
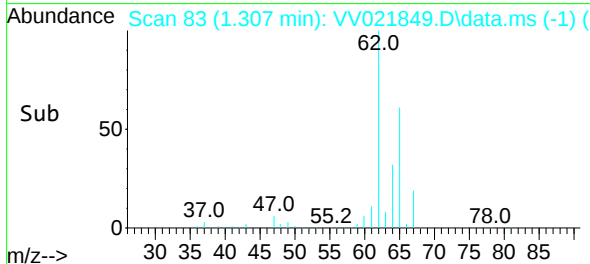
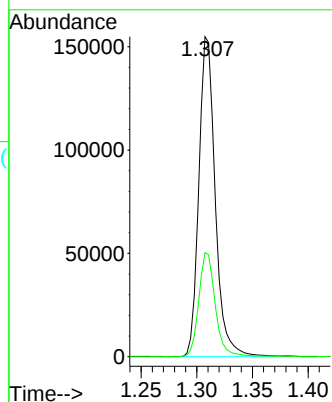
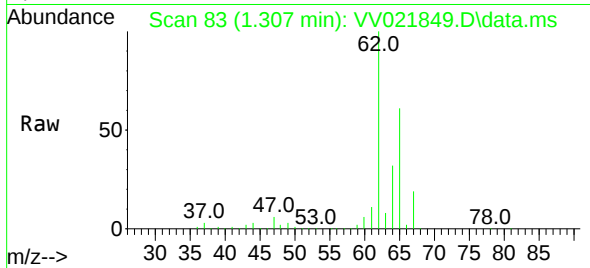




#5  
 Vinyl chloride  
 Concen: 49.228 ug/L  
 RT: 1.307 min Scan# 83  
 Delta R.T. 0.000 min  
 Lab File: VV021849.D  
 Acq: 18 Aug 2021 05:23

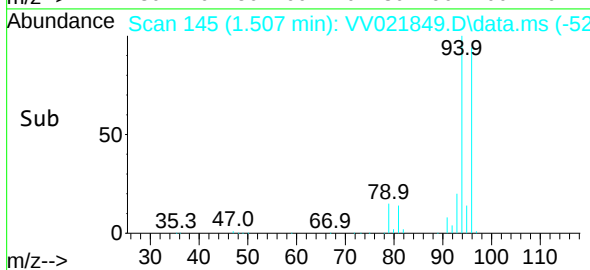
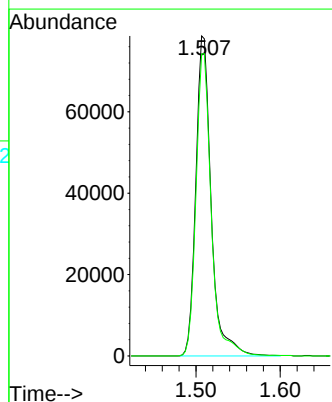
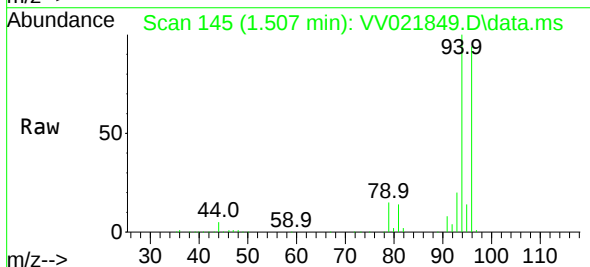
Instrument :  
 MSVOA\_V  
 ClientSampled :

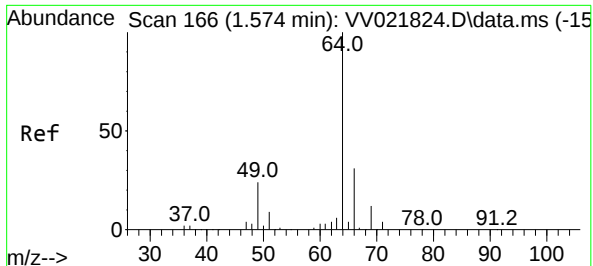
Tgt Ion: 62 Resp: 158432  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 23.4 43.4



#6  
 Bromomethane  
 Concen: 51.498 ug/L  
 RT: 1.507 min Scan# 145  
 Delta R.T. 0.000 min  
 Lab File: VV021849.D  
 Acq: 18 Aug 2021 05:23

Tgt Ion: 94 Resp: 99620  
 Ion Ratio Lower Upper  
 94 100  
 96 94.3 64.8 120.3

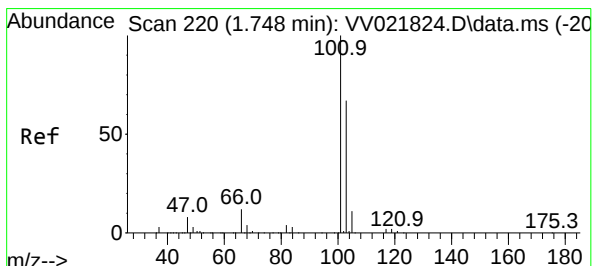
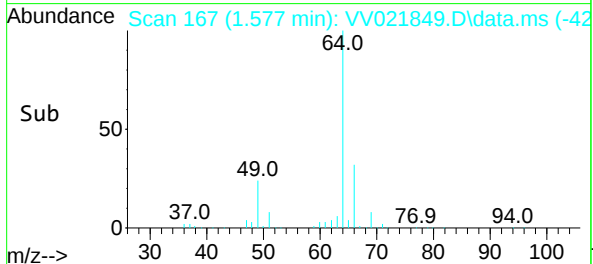
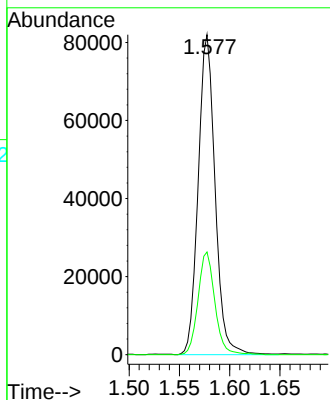
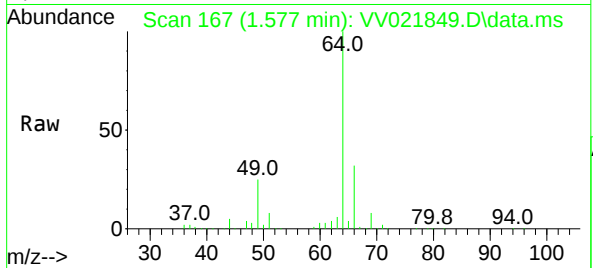




#8  
Chloroethane  
Concen: 49.840 ug/L  
RT: 1.577 min Scan# 167  
Delta R.T. 0.003 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

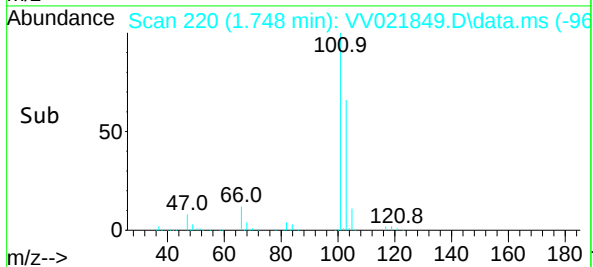
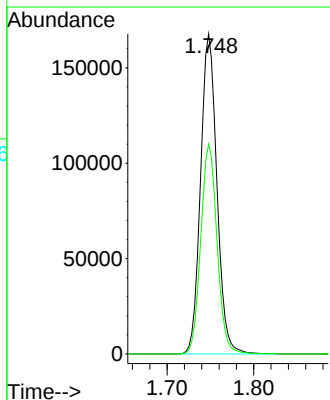
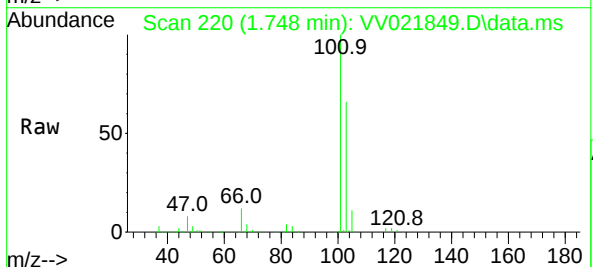
Instrument :  
MSVOA\_V  
ClientSampled :

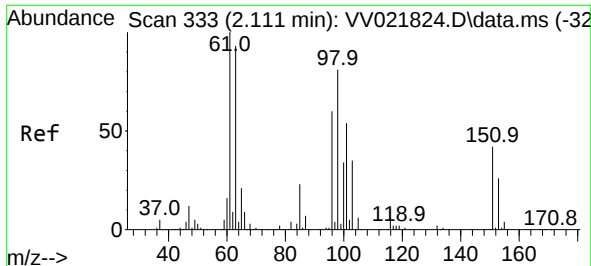
Tgt Ion: 64 Resp: 95852  
Ion Ratio Lower Upper  
64 100  
66 32.1 22.6 42.0



#9  
Trichlorofluoromethane  
Concen: 49.755 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion:101 Resp: 219399  
Ion Ratio Lower Upper  
101 100  
103 65.4 51.8 77.8





#10

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

Concen: 45.097 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.003 min

Lab File: VV021849.D

Acq: 18 Aug 2021 05:23

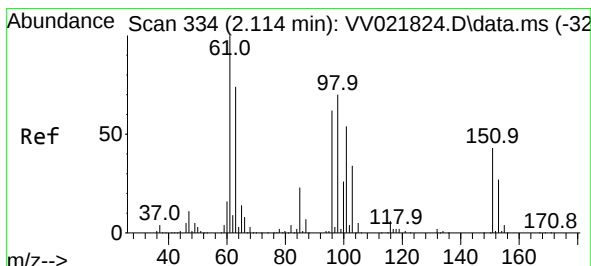
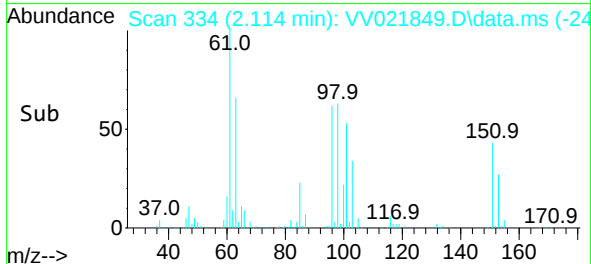
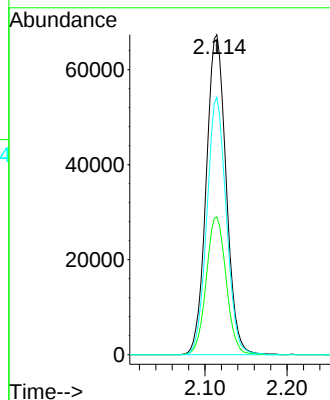
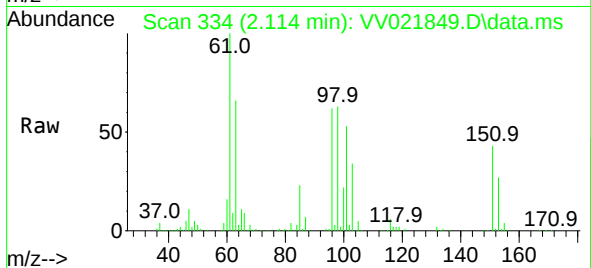
Tgt Ion:101 Resp: 113855

Ion Ratio Lower Upper

101 100

85 43.0 33.4 50.2

151 78.5 62.2 93.2



#12

1,1-Dichloroethene

Concen: 47.171 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.000 min

Lab File: VV021849.D

Acq: 18 Aug 2021 05:23

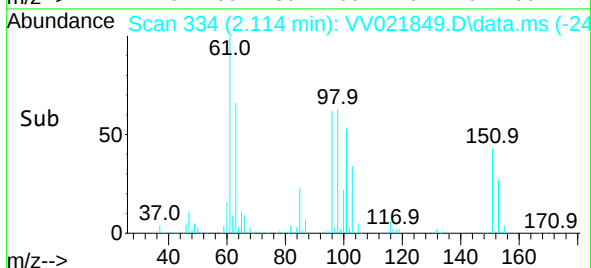
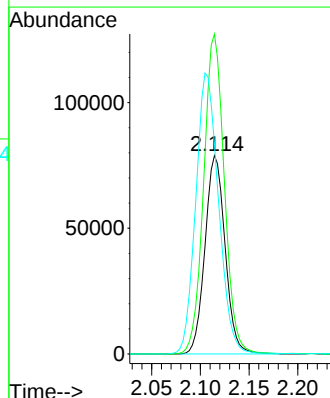
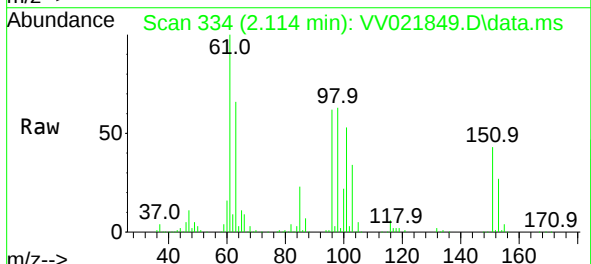
Tgt Ion: 96 Resp: 113432

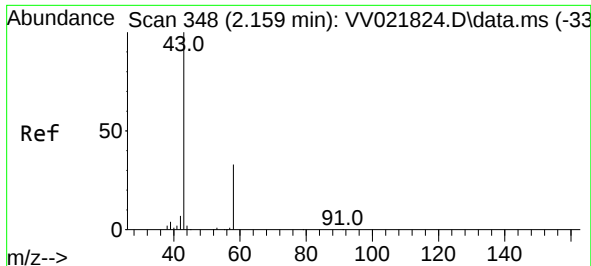
Ion Ratio Lower Upper

96 100

61 161.3 115.5 214.5

63 105.9 90.3 167.7

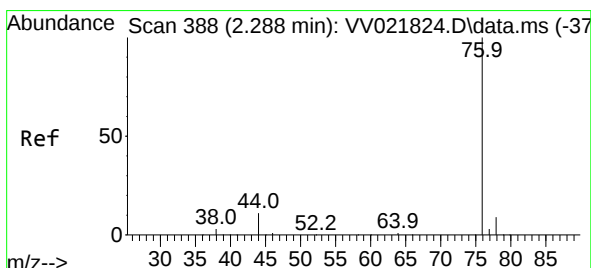
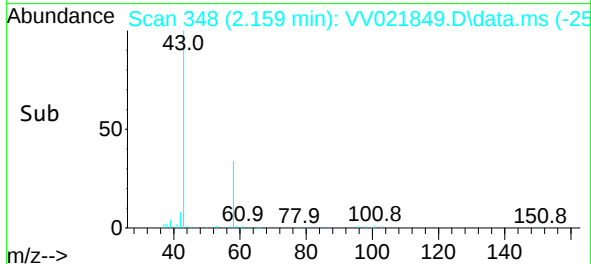
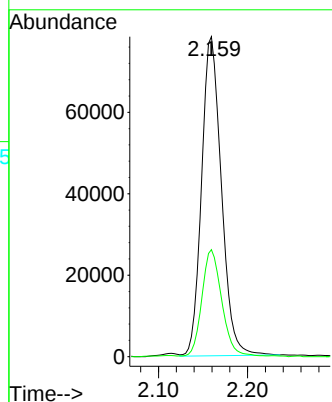
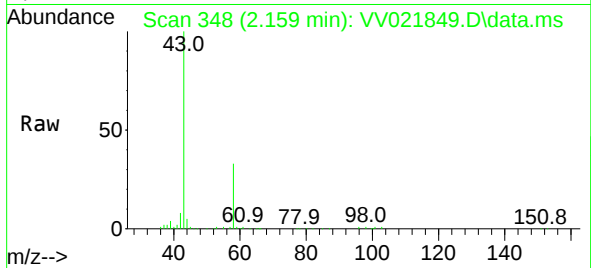




#13  
Acetone  
Concen: 74.264 ug/L  
RT: 2.159 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

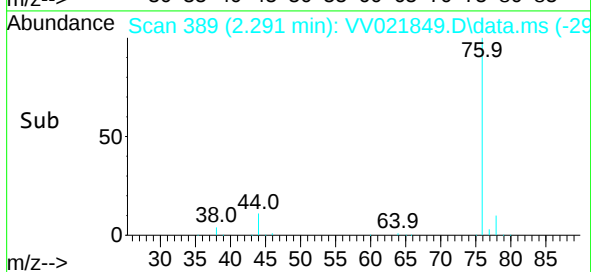
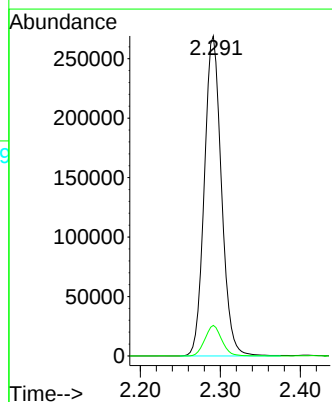
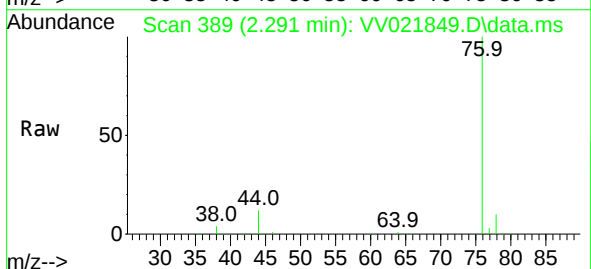
Instrument :  
MSVOA\_V  
ClientSampleId :

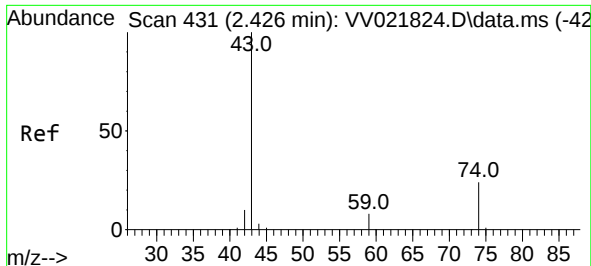
Tgt Ion: 43 Resp: 120861  
Ion Ratio Lower Upper  
43 100  
58 33.2 0.0 0.0#



#14  
Carbon disulfide  
Concen: 49.591 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. 0.003 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion: 76 Resp: 401243  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.5 11.3

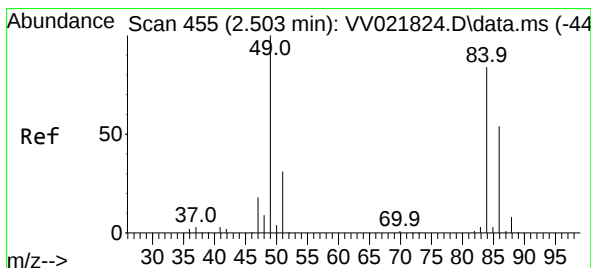
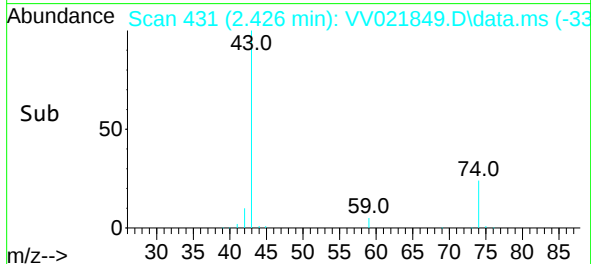
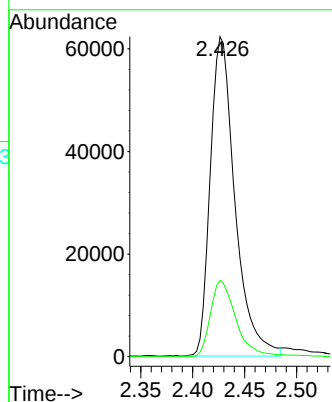
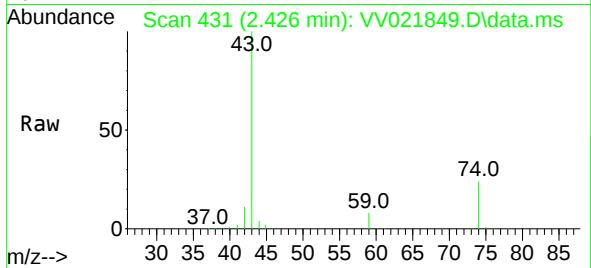




#15  
Methyl Acetate  
Concen: 34.431 ug/L  
RT: 2.426 min Scan# 431  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

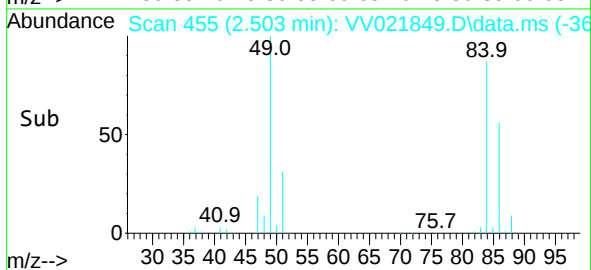
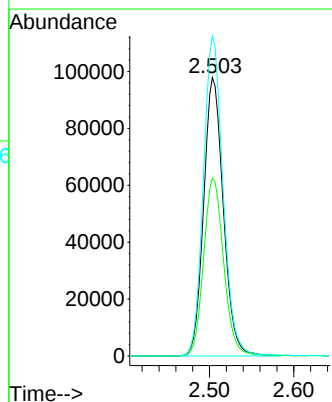
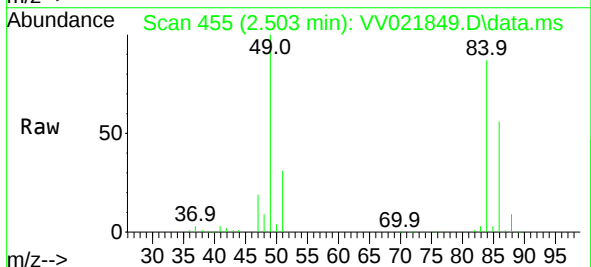
Instrument :  
MSVOA\_V  
ClientSampleId :

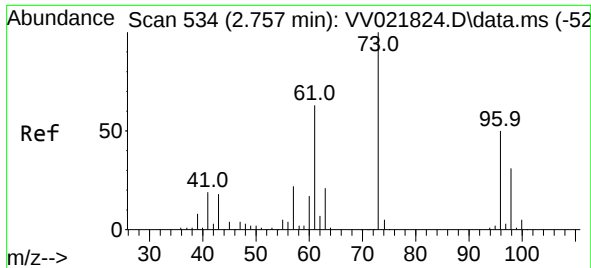
Tgt Ion: 43 Resp: 102943  
Ion Ratio Lower Upper  
43 100  
74 24.6 19.0 28.6



#16  
Methylene chloride  
Concen: 47.640 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion: 84 Resp: 159349  
Ion Ratio Lower Upper  
84 100  
86 63.9 44.7 83.1  
49 114.9 82.5 153.3

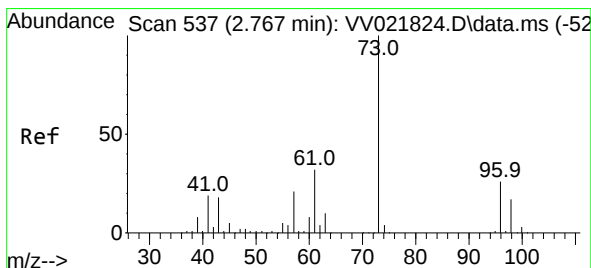
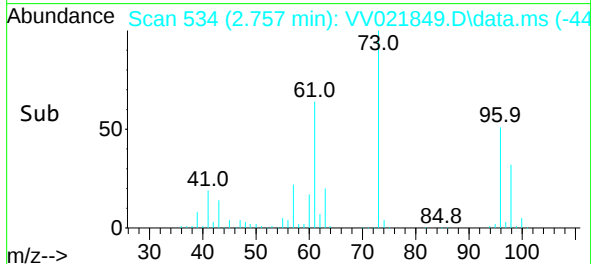
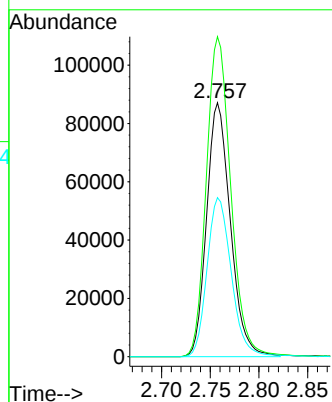
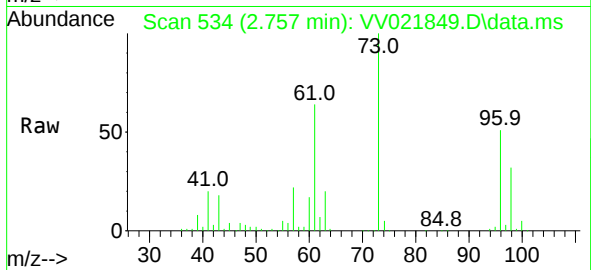




#17  
trans-1,2-Dichloroethene  
Concen: 52.475 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

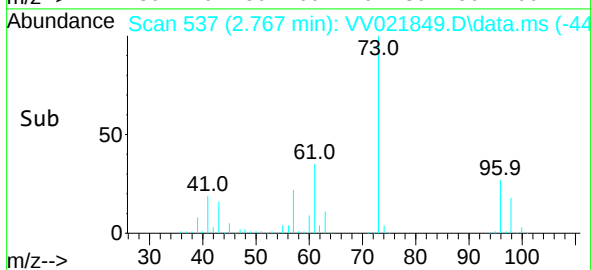
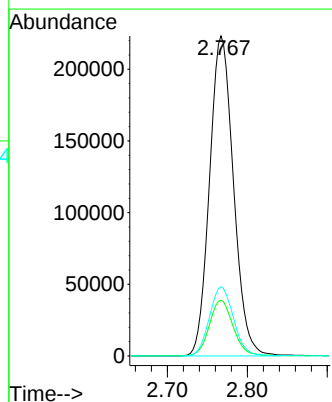
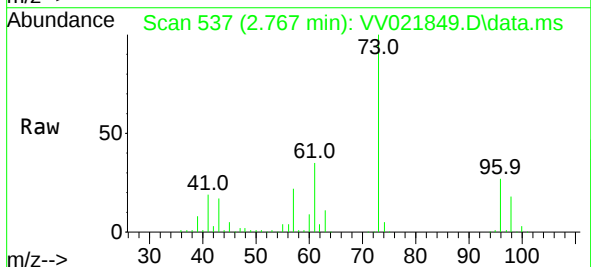
Instrument :  
MSVOA\_V  
ClientSampleId :

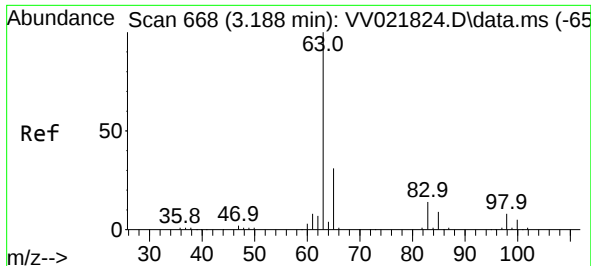
Tgt Ion: 96 Resp: 148071  
Ion Ratio Lower Upper  
96 100  
61 126.0 90.4 168.0  
98 62.6 44.4 82.5



#18  
Methyl tert-butyl Ether  
Concen: 53.488 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion: 73 Resp: 464176  
Ion Ratio Lower Upper  
73 100  
43 17.1 14.2 21.4  
57 21.8 17.7 26.5





#19

1,1-Dichloroethane

Concen: 52.443 ug/L

RT: 3.188 min Scan# 668

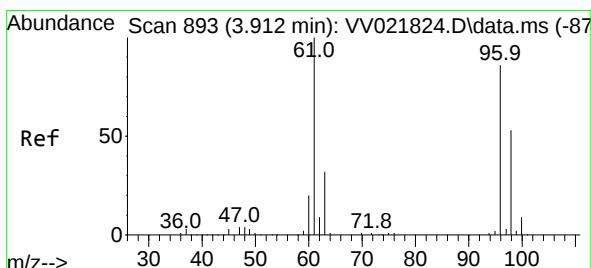
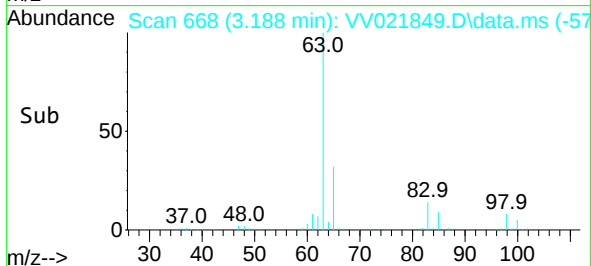
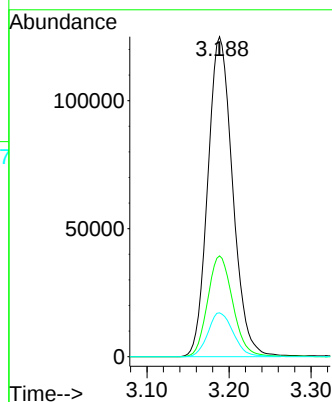
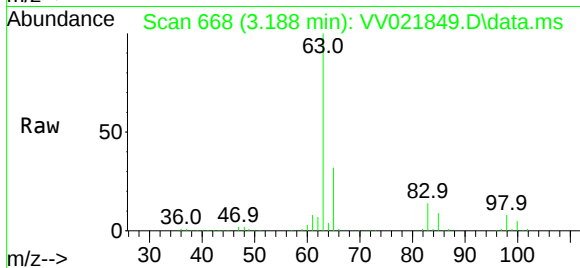
Delta R.T. 0.000 min

Lab File: VV021849.D

Acq: 18 Aug 2021 05:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 263417 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 31.5  | 21.8  | 40.6   |
| 83       | 13.7  | 9.6   | 17.8   |

Instrument :  
MSVOA\_V  
ClientSampleId :



#20

cis-1,2-Dichloroethene

Concen: 50.302 ug/L

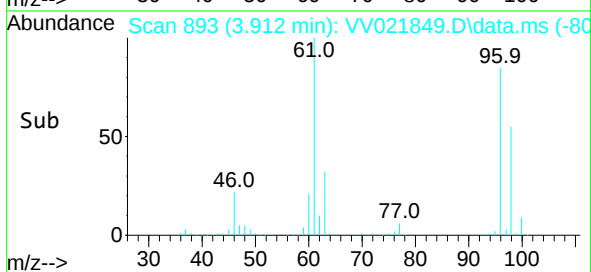
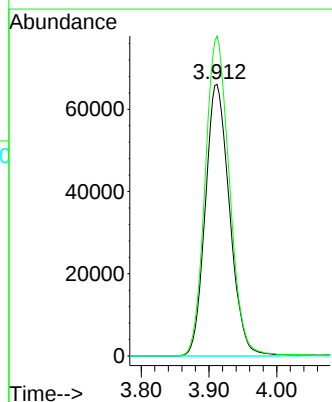
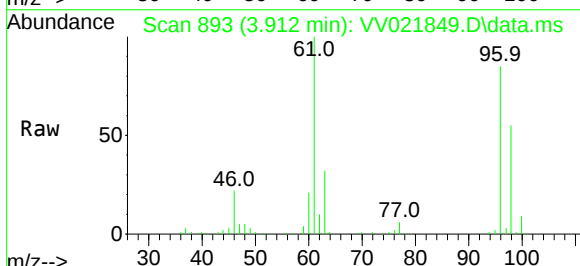
RT: 3.912 min Scan# 893

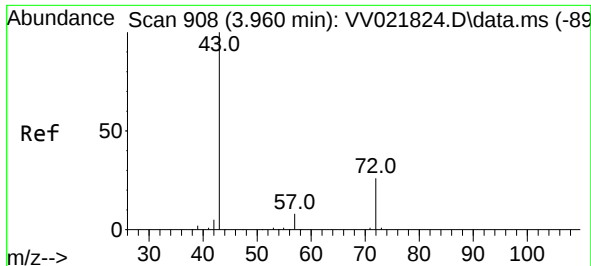
Delta R.T. 0.000 min

Lab File: VV021849.D

Acq: 18 Aug 2021 05:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 164364 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 117.8 | 81.0  | 150.4  |
| 68       | 0.0   | 0.0   | 0.0    |

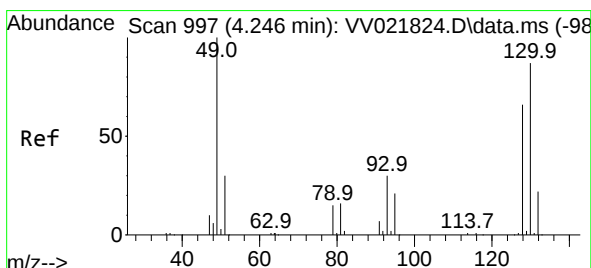
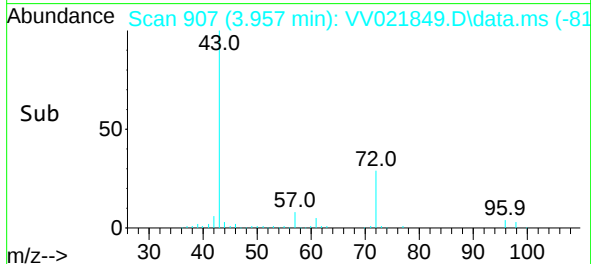
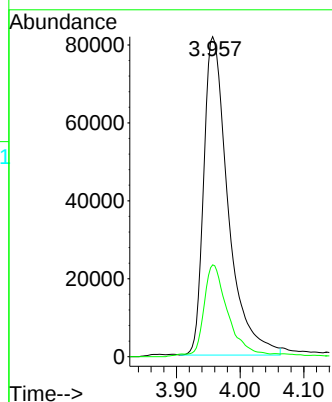
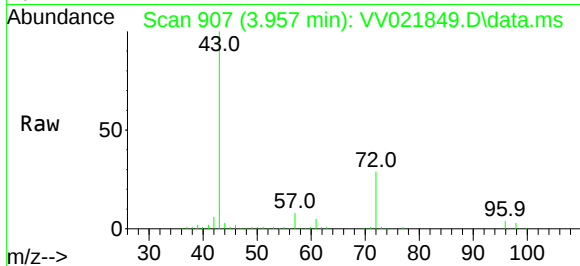




#22  
2-Butanone  
Concen: 91.808 ug/L  
RT: 3.957 min Scan# 907  
Delta R.T. -0.003 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

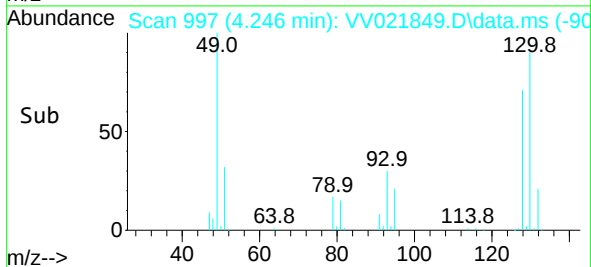
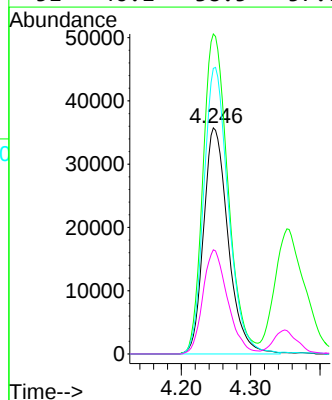
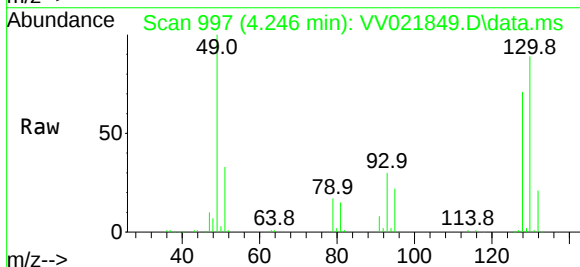
Instrument :  
MSVOA\_V  
ClientSampled :

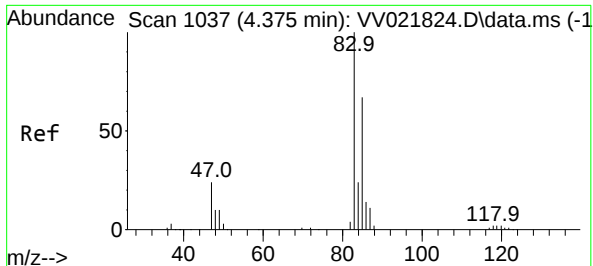
Tgt Ion: 43 Resp: 217595  
Ion Ratio Lower Upper  
43 100  
72 26.9 13.6 40.8



#23  
Bromochloromethane  
Concen: 50.547 ug/L  
RT: 4.246 min Scan# 997  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion:128 Resp: 87627  
Ion Ratio Lower Upper  
128 100  
49 141.6 105.6 196.0  
130 126.4 89.5 166.1  
51 46.1 38.5 57.7





#25

Chloroform

Concen: 49.778 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VV021849.D

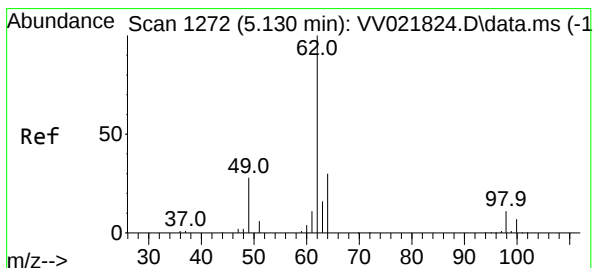
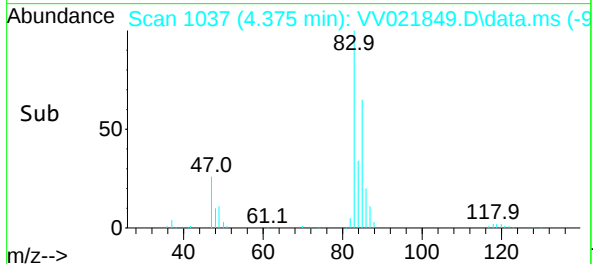
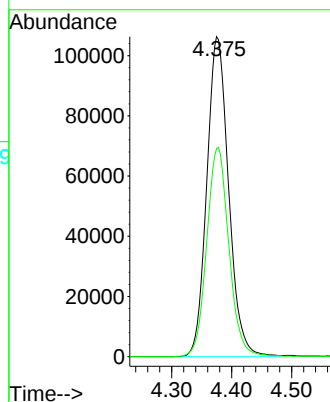
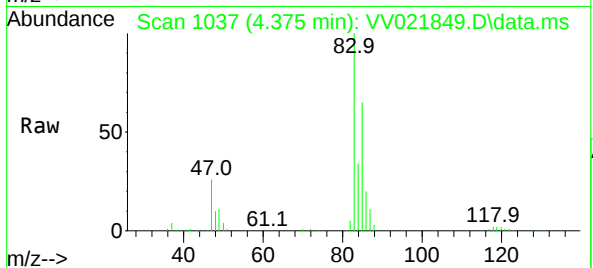
Acq: 18 Aug 2021 05:23

Tgt Ion: 83 Resp: 269035

Ion Ratio Lower Upper

83 100

85 65.0 44.8 83.2



#27

1,2-Dichloroethane

Concen: 49.640 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VV021849.D

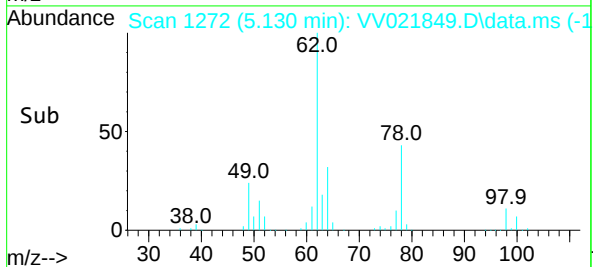
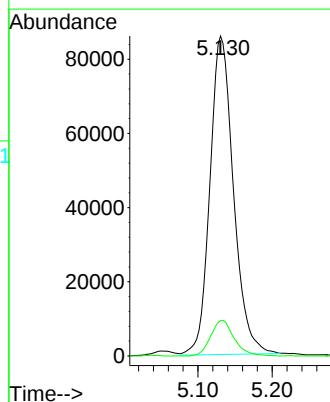
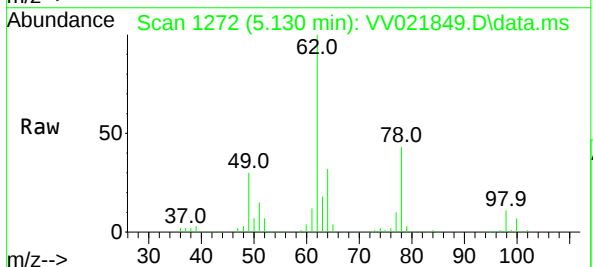
Acq: 18 Aug 2021 05:23

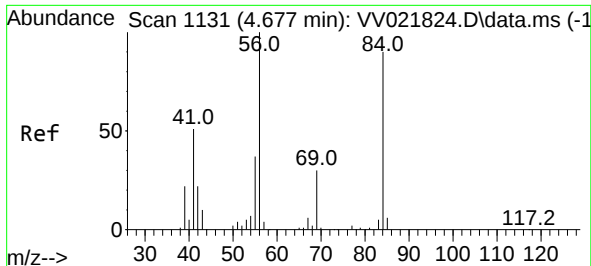
Tgt Ion: 62 Resp: 189029

Ion Ratio Lower Upper

62 100

98 11.0 8.6 13.0





#29

Cyclohexane

Concen: 49.435 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.000 min

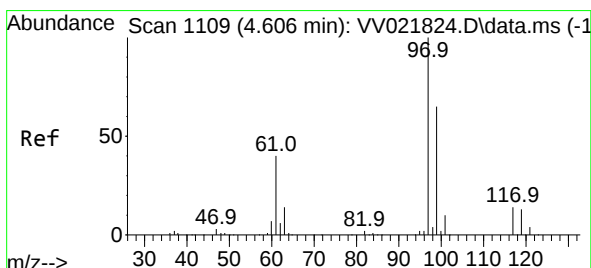
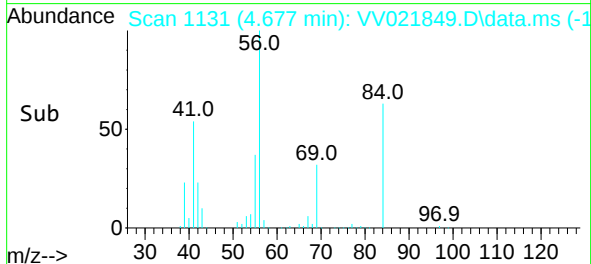
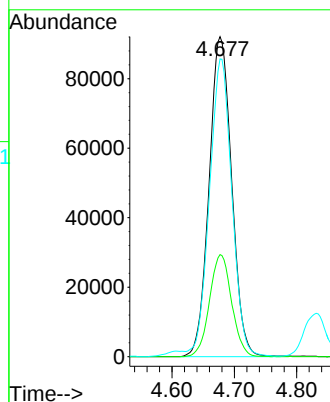
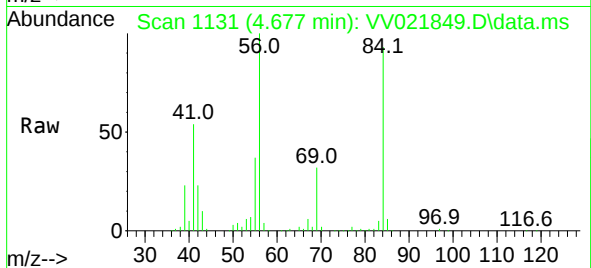
Lab File: VV021849.D

Acq: 18 Aug 2021 05:23

Tgt Ion: 56 Resp: 231460

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 31.2  | 24.9  | 37.3  |
| 84  | 92.6  | 72.6  | 109.0 |

Instrument :  
MSVOA\_V  
ClientSampled :



#30

1,1,1-Trichloroethane

Concen: 49.734 ug/L

RT: 4.606 min Scan# 1109

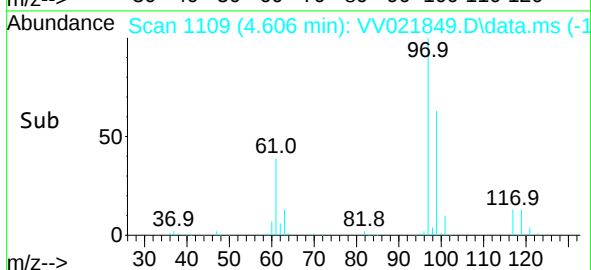
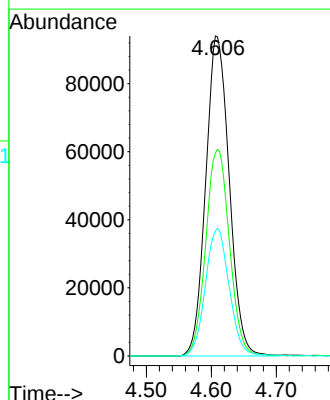
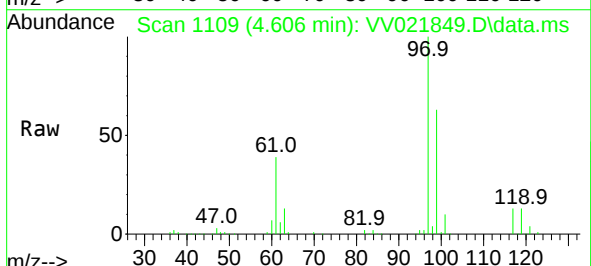
Delta R.T. 0.000 min

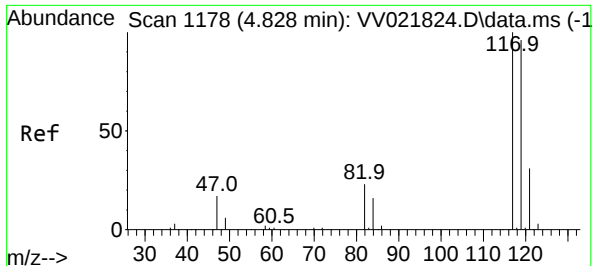
Lab File: VV021849.D

Acq: 18 Aug 2021 05:23

Tgt Ion: 97 Resp: 236588

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.1  | 51.0  | 76.4  |
| 61  | 40.4  | 32.3  | 48.5  |

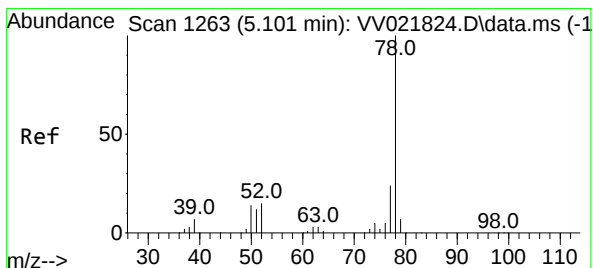
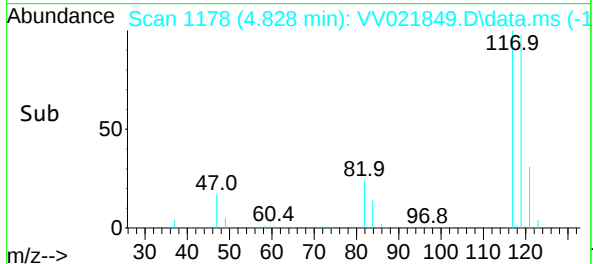
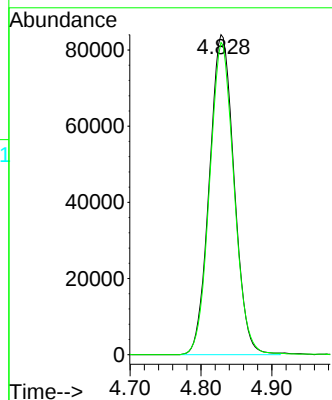
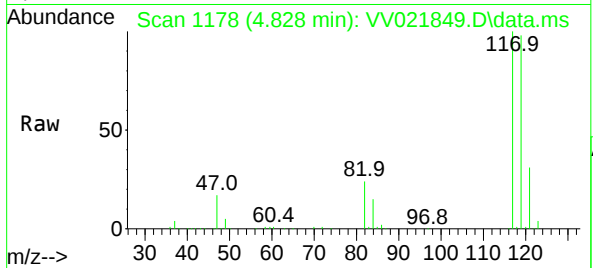




#31  
Carbon tetrachloride  
Concen: 49.511 ug/L  
RT: 4.828 min Scan# 1178  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

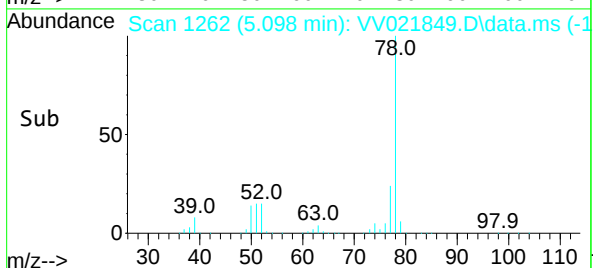
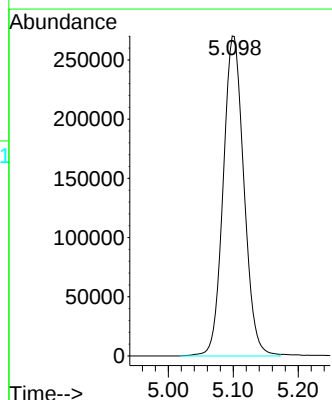
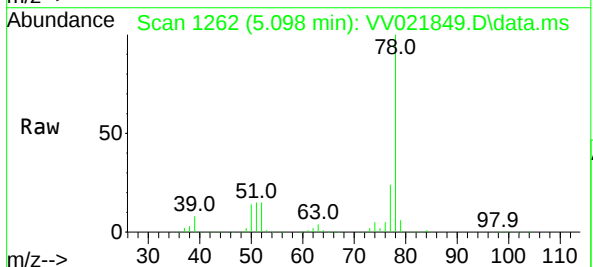
Instrument :  
MSVOA\_V  
ClientSampled :

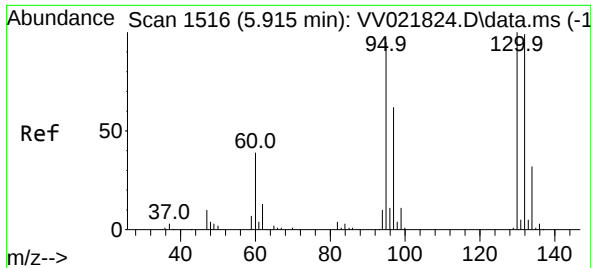
Tgt Ion:117 Resp: 203802  
Ion Ratio Lower Upper  
117 100  
119 96.3 77.1 115.7



#33  
Benzene  
Concen: 51.031 ug/L  
RT: 5.098 min Scan# 1262  
Delta R.T. -0.003 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

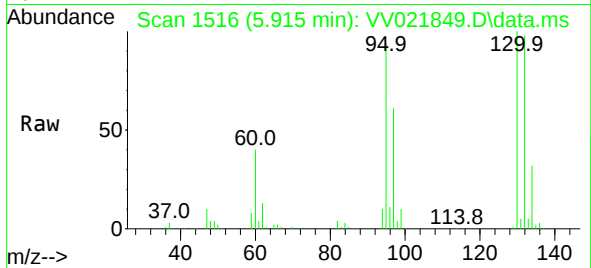
Tgt Ion: 78 Resp: 597015



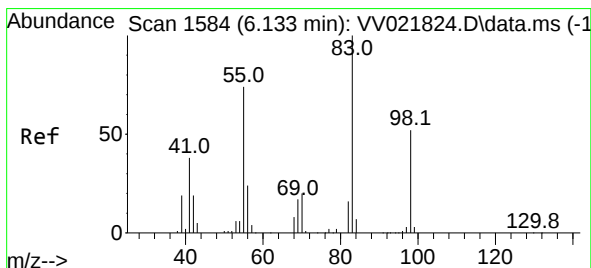
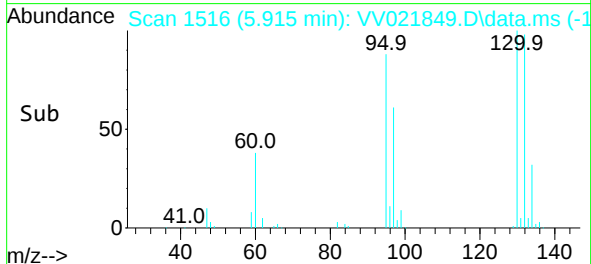
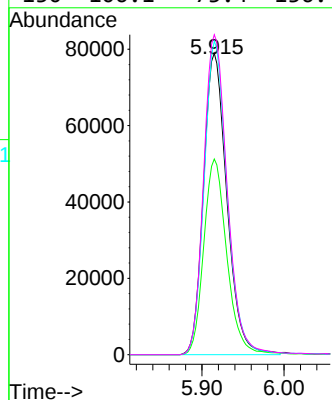


#34  
Trichloroethene  
Concen: 46.460 ug/L  
RT: 5.915 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

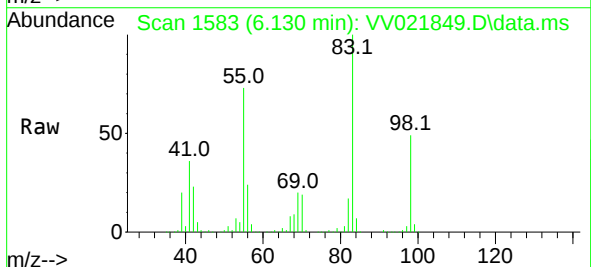
Instrument :  
MSVOA\_V  
ClientSampled :



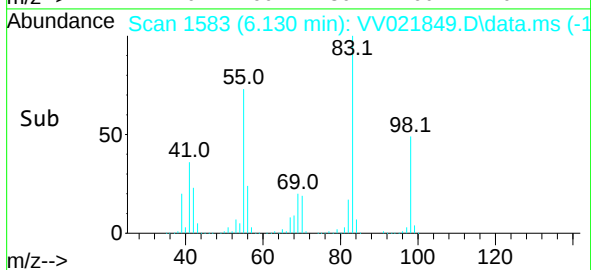
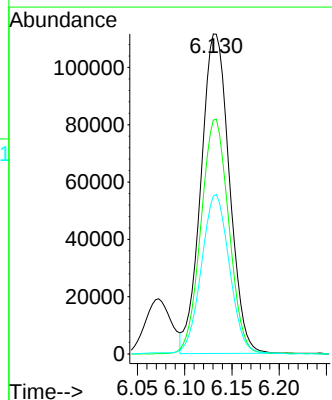
Tgt Ion: 95 Resp: 156193  
Ion Ratio Lower Upper  
95 100  
97 64.9 44.1 81.9  
132 104.0 70.2 130.4  
130 106.1 73.4 136.4

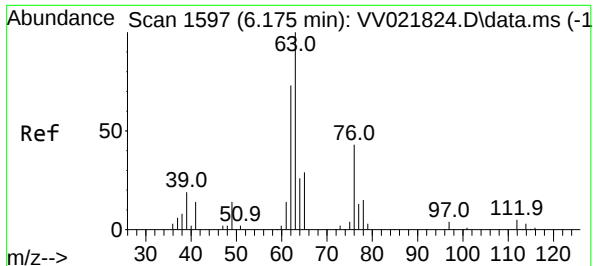


#35  
Methylcyclohexane  
Concen: 47.578 ug/L  
RT: 6.130 min Scan# 1583  
Delta R.T. -0.003 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23



Tgt Ion: 83 Resp: 233358  
Ion Ratio Lower Upper  
83 100  
55 71.5 57.9 86.9  
98 49.3 39.9 59.9





#37

1,2-Dichloropropane

Concen: 51.358 ug/L

RT: 6.175 min Scan# 1597

Delta R.T. 0.000 min

Lab File: VV021849.D

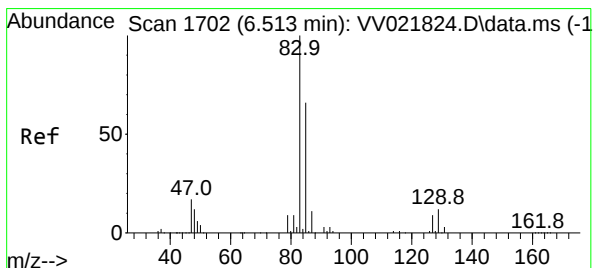
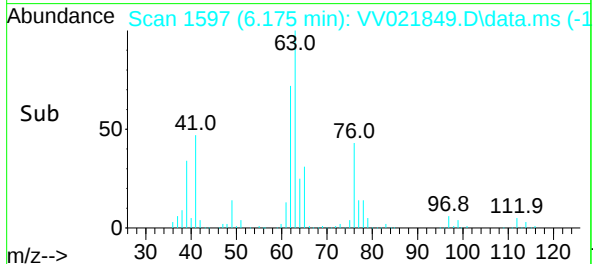
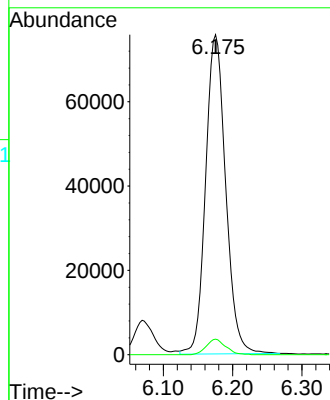
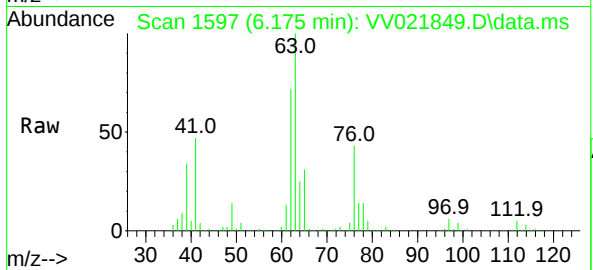
Acq: 18 Aug 2021 05:23

Tgt Ion: 63 Resp: 152138

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 50.488 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. -0.003 min

Lab File: VV021849.D

Acq: 18 Aug 2021 05:23

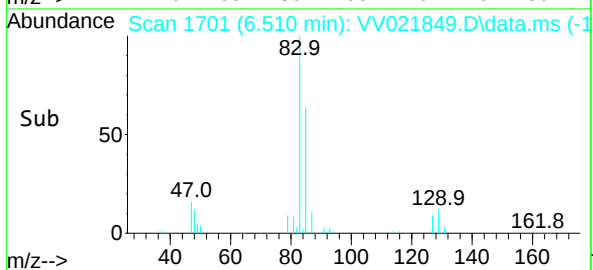
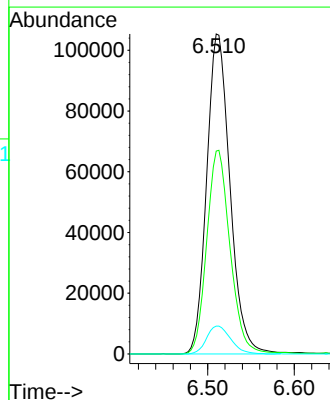
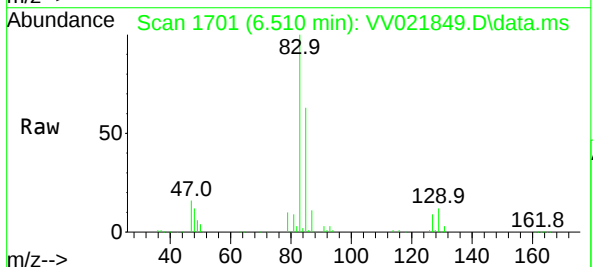
Tgt Ion: 83 Resp: 197124

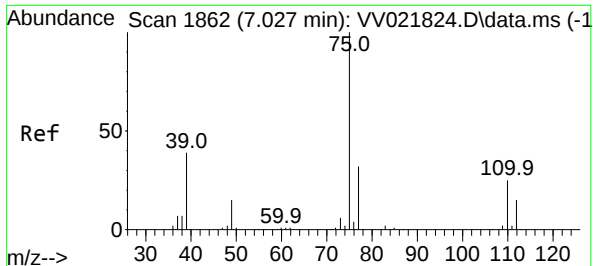
Ion Ratio Lower Upper

83 100

85 63.4 45.7 84.9

127 8.7 7.4 11.2

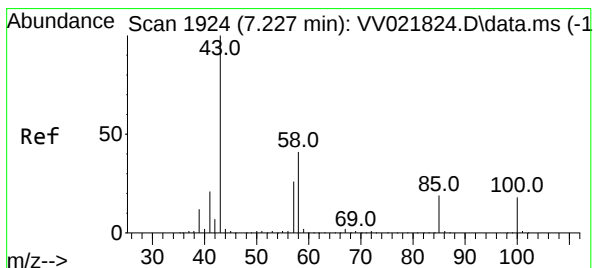
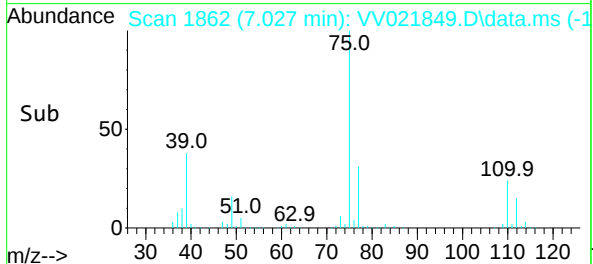
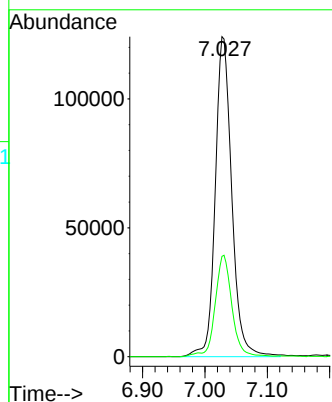
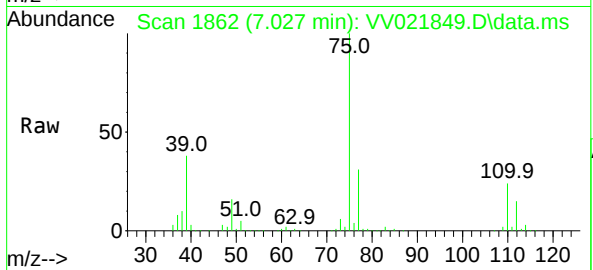




#39  
 cis-1,3-Dichloropropene  
 Concen: 48.659 ug/L  
 RT: 7.027 min Scan# 1862  
 Delta R.T. 0.000 min  
 Lab File: VV021849.D  
 Acq: 18 Aug 2021 05:23

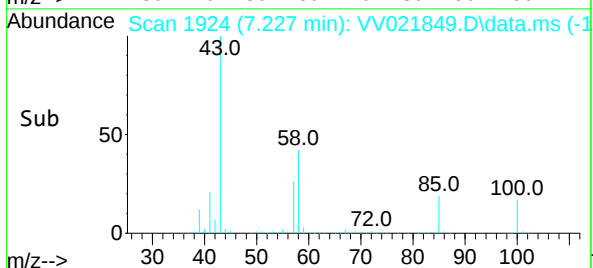
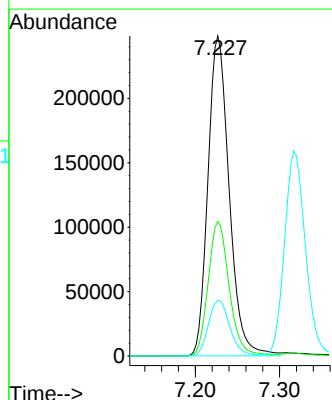
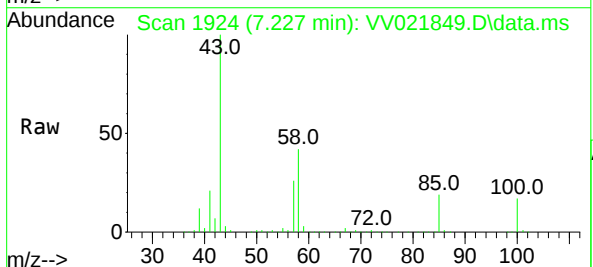
Instrument :  
 MSVOA\_V  
 ClientSampled :

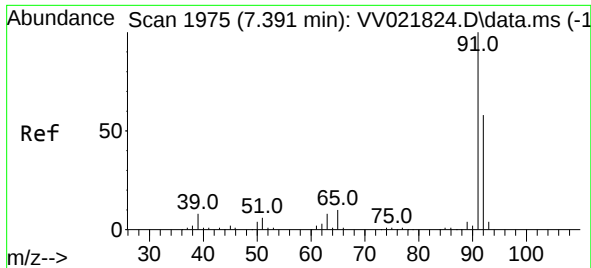
Tgt Ion: 75 Resp: 228246  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 22.5 41.9



#40  
 4-Methyl-2-pentanone  
 Concen: 106.700 ug/L  
 RT: 7.227 min Scan# 1924  
 Delta R.T. 0.000 min  
 Lab File: VV021849.D  
 Acq: 18 Aug 2021 05:23

Tgt Ion: 43 Resp: 434786  
 Ion Ratio Lower Upper  
 43 100  
 58 41.5 32.9 49.3  
 100 17.6 14.0 21.0

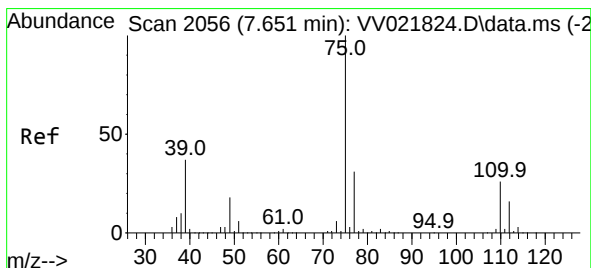
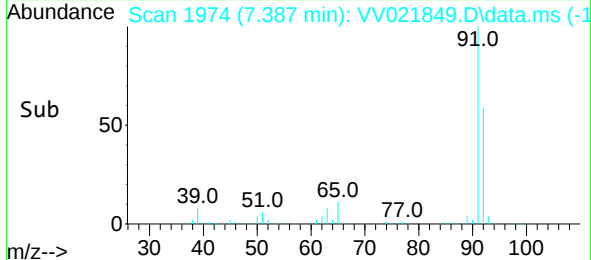
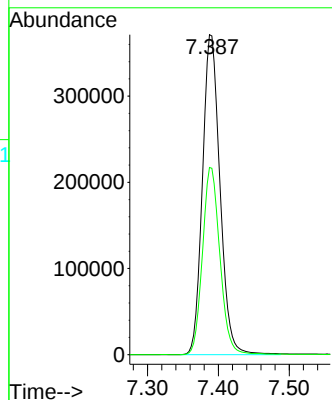
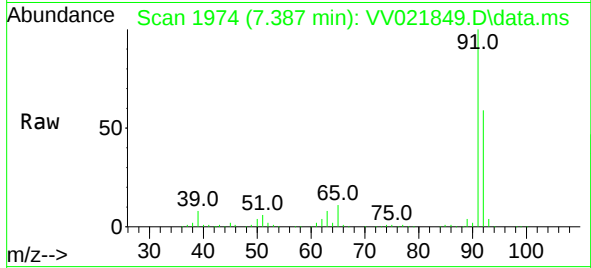




#42  
Toluene  
Concen: 51.068 ug/L  
RT: 7.387 min Scan# 1974  
Delta R.T. -0.003 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

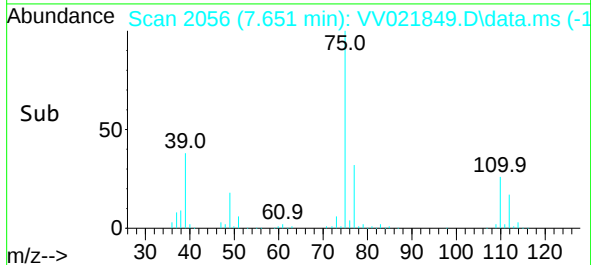
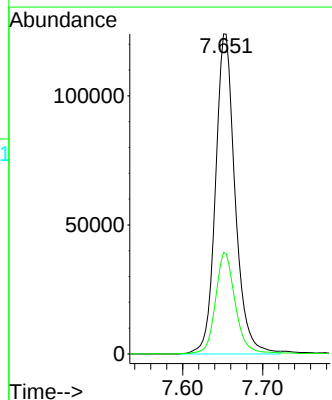
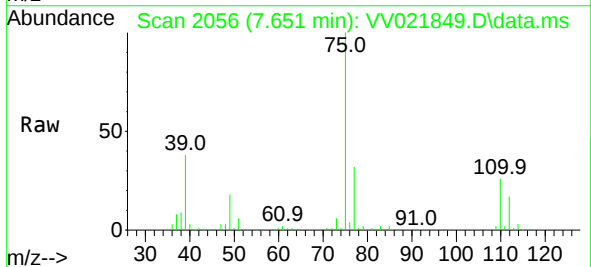
Instrument :  
MSVOA\_V  
ClientSampleId :

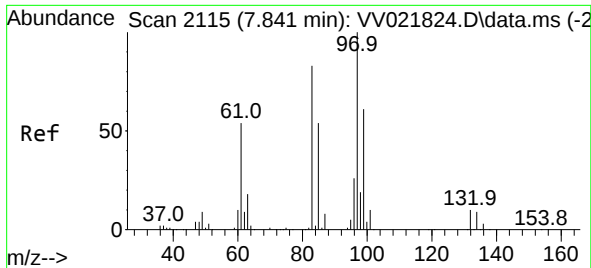
Tgt Ion: 91 Resp: 638089  
Ion Ratio Lower Upper  
91 100  
92 58.5 40.1 74.5



#44  
trans-1,3-Dichloropropene  
Concen: 47.620 ug/L  
RT: 7.651 min Scan# 2056  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion: 75 Resp: 210507  
Ion Ratio Lower Upper  
75 100  
77 31.7 22.2 41.2





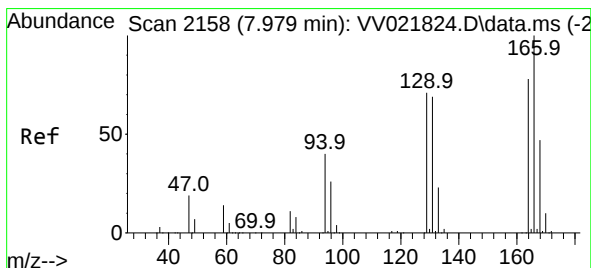
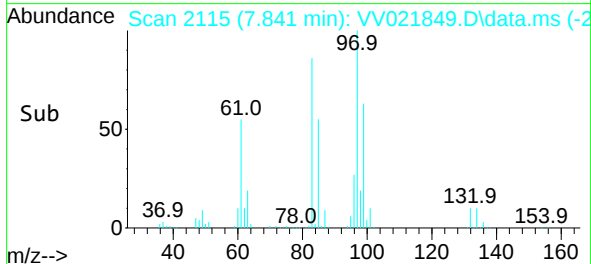
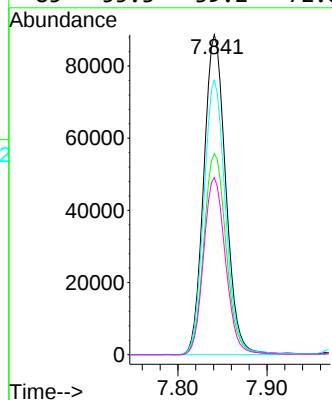
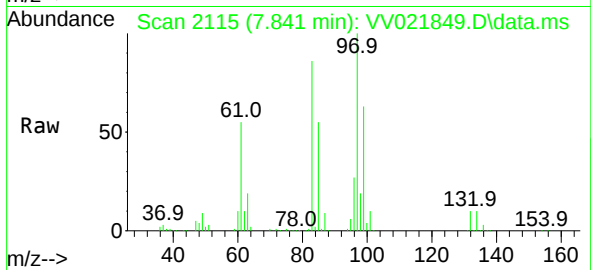
#45

1,1,2-Trichloroethane  
Concen: 51.261 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 97 Resp: 152118

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.8  | 44.2  | 82.0  |
| 83  | 85.7  | 59.2  | 110.0 |
| 85  | 55.3  | 39.2  | 72.8  |

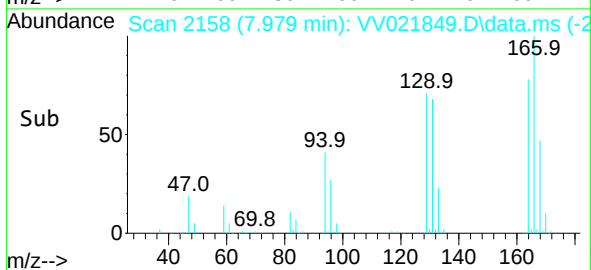
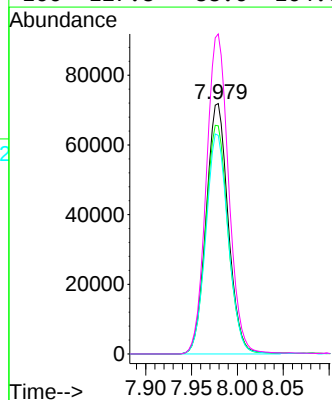
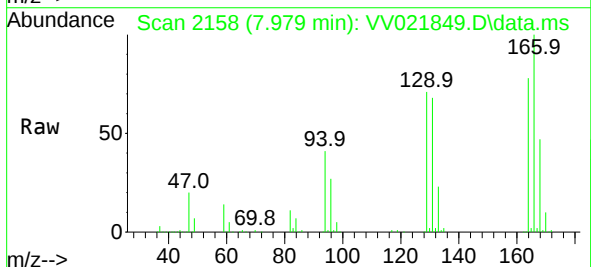


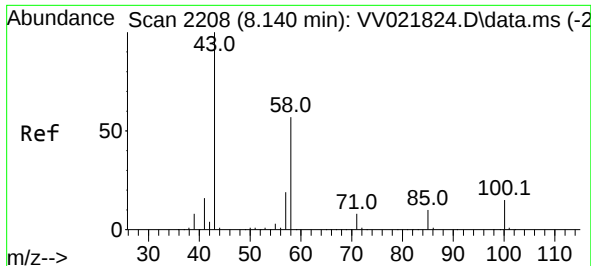
#46

Tetrachloroethene  
Concen: 48.239 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion: 164 Resp: 120525

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 91.1  | 63.7  | 118.3 |
| 131 | 87.3  | 61.5  | 114.3 |
| 166 | 127.8 | 88.6  | 164.6 |

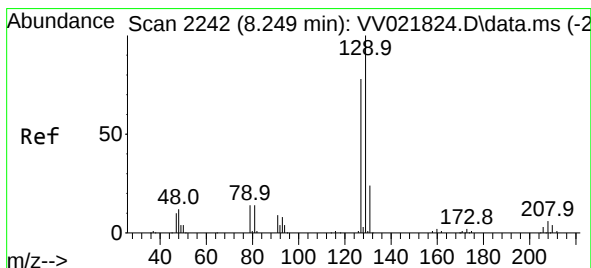
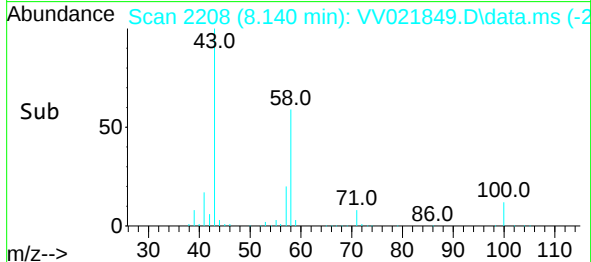
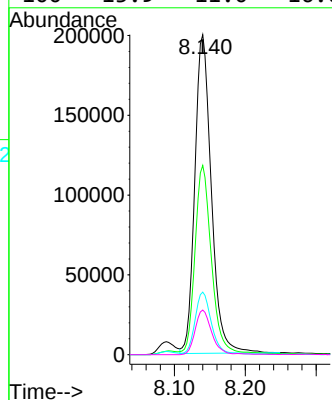
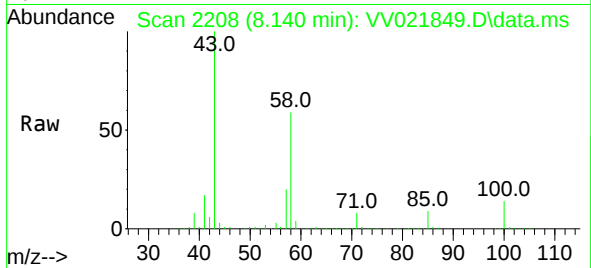




#48  
2-Hexanone  
Concen: 102.374 ug/L  
RT: 8.140 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

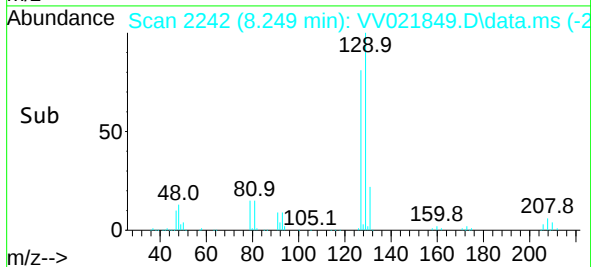
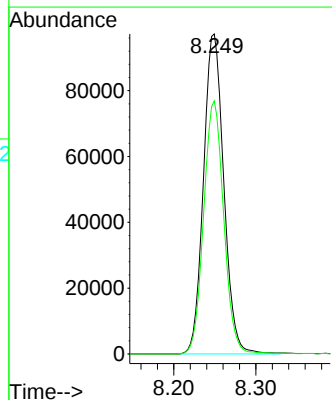
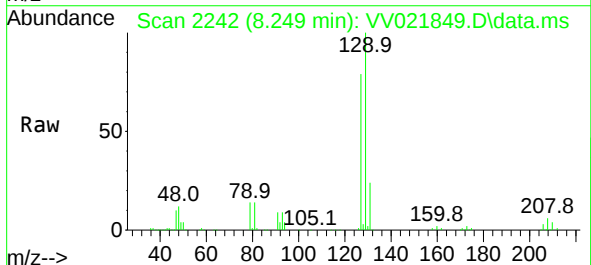
Instrument :  
MSVOA\_V  
ClientSampled :

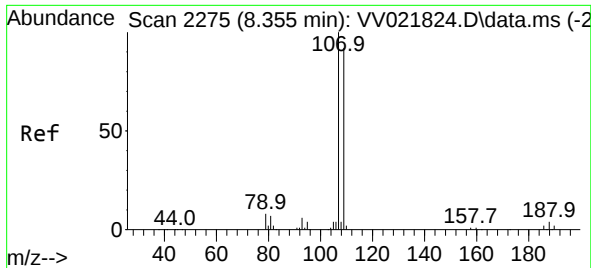
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 323135 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 57.4  | 45.4  | 68.2   |
| 57       | 19.1  | 15.3  | 22.9   |
| 100      | 13.9  | 11.0  | 16.6   |



#49  
Dibromochloromethane  
Concen: 51.038 ug/L  
RT: 8.249 min Scan# 2242  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

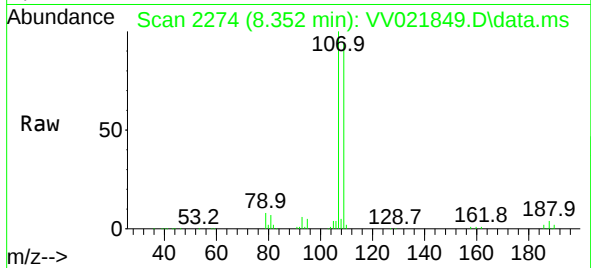
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 167221 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 79.1  | 54.9  | 101.9  |



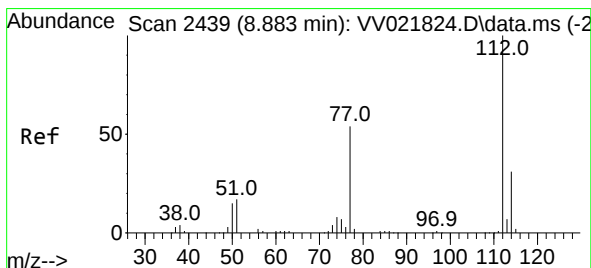
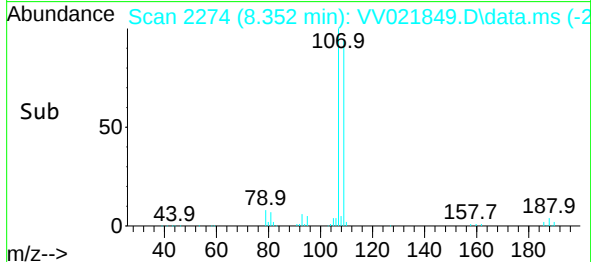
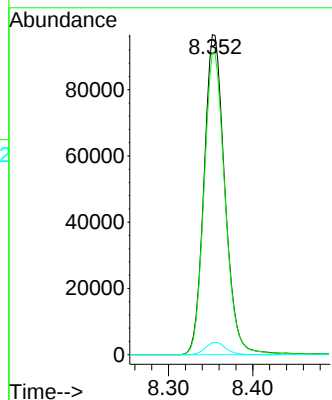


#50  
1,2-Dibromoethane  
Concen: 51.356 ug/L  
RT: 8.352 min Scan# 2274  
Delta R.T. -0.003 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Instrument :  
MSVOA\_V  
ClientSampleId :

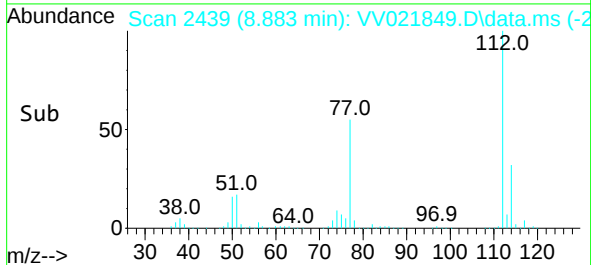
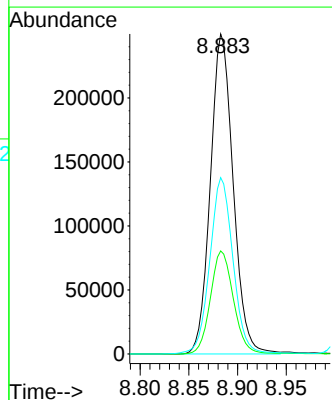
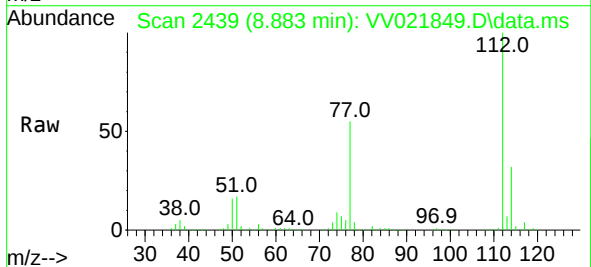


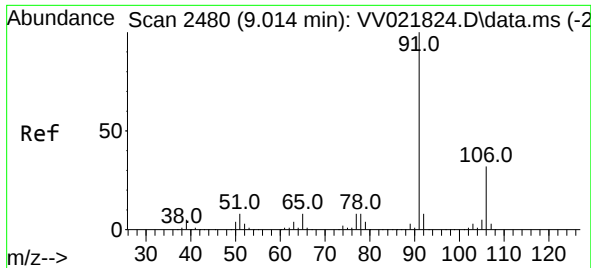
Tgt Ion:107 Resp: 165848  
Ion Ratio Lower Upper  
107 100  
109 94.4 66.3 123.1  
188 3.7 3.0 4.4



#51  
Chlorobenzene  
Concen: 49.853 ug/L  
RT: 8.883 min Scan# 2439  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion:112 Resp: 406708  
Ion Ratio Lower Upper  
112 100  
114 32.2 22.2 41.2  
77 55.1 43.7 65.5

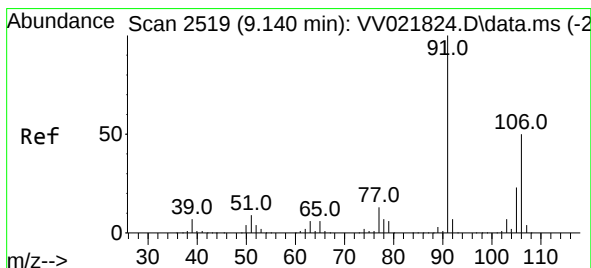
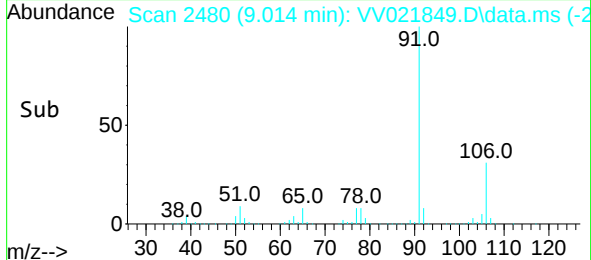
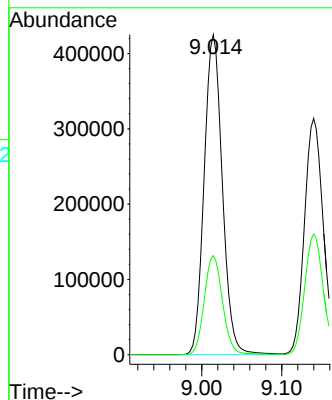
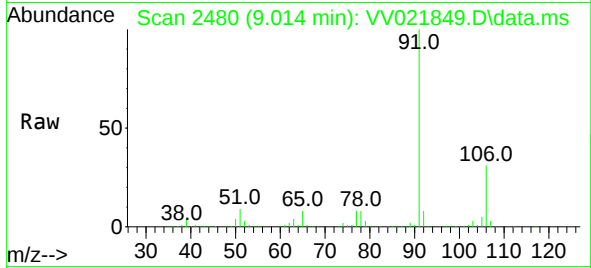




#52  
Ethylbenzene  
Concen: 50.581 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

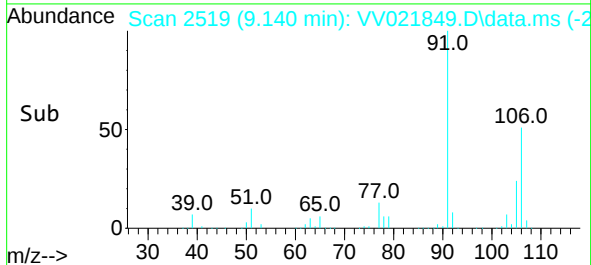
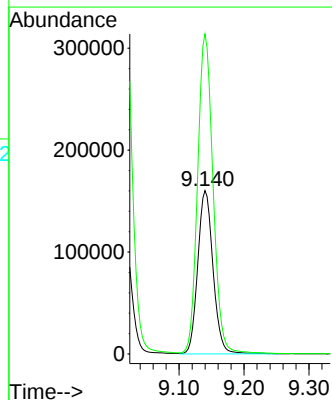
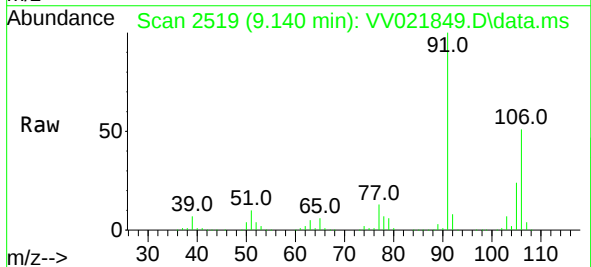
Instrument :  
MSVOA\_V  
ClientSampled :

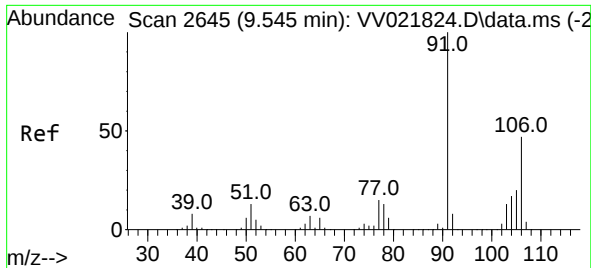
Tgt Ion: 91 Resp: 674259  
Ion Ratio Lower Upper  
91 100  
106 31.0 22.2 41.2



#53  
m,p-Xylene  
Concen: 50.858 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion: 106 Resp: 262743  
Ion Ratio Lower Upper  
106 100  
91 195.9 139.2 258.6

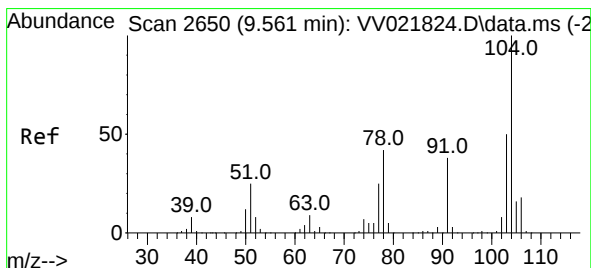
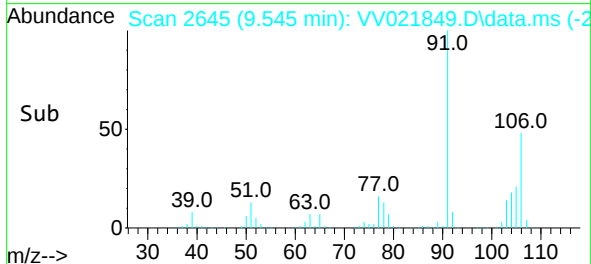
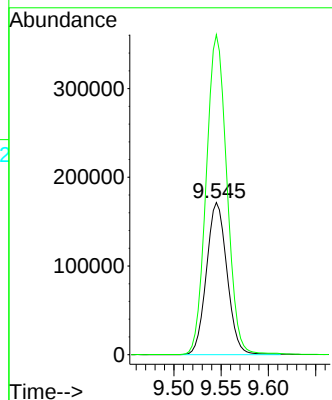
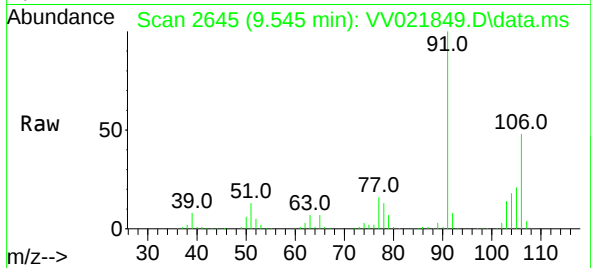




#54  
o-Xylene  
Concen: 50.676 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

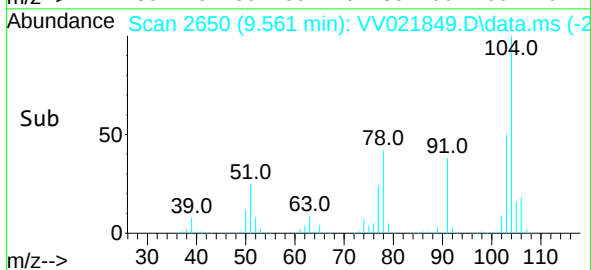
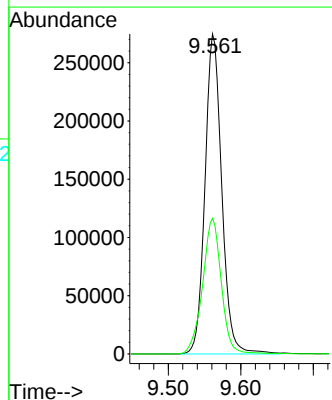
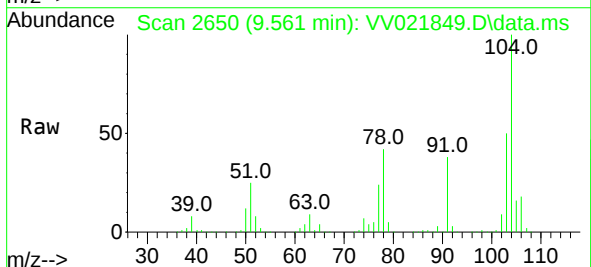
Instrument :  
MSVOA\_V  
ClientSampleId :

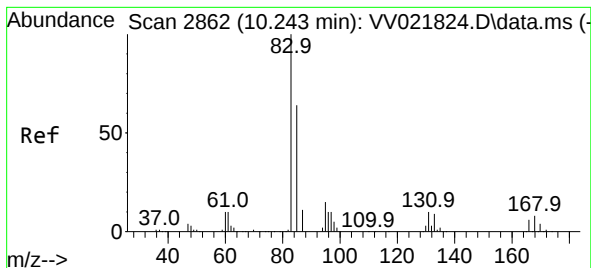
Tgt Ion:106 Resp: 259511  
Ion Ratio Lower Upper  
106 100  
91 210.3 148.1 275.0



#55  
Styrene  
Concen: 51.548 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion:104 Resp: 442045  
Ion Ratio Lower Upper  
104 100  
78 42.4 30.2 56.2

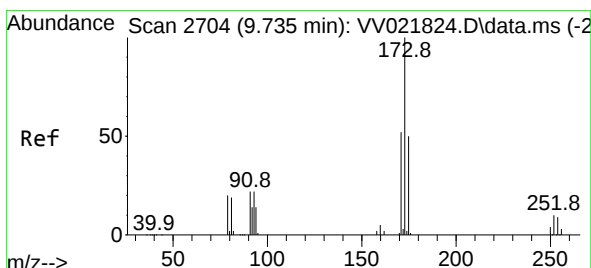
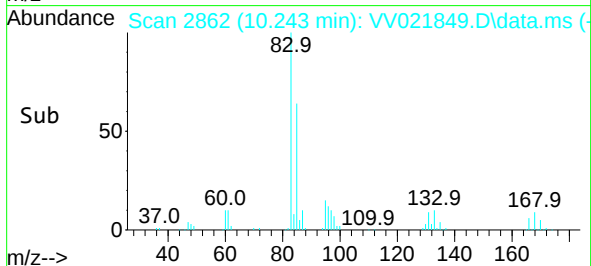
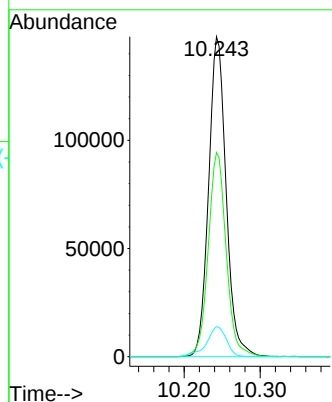
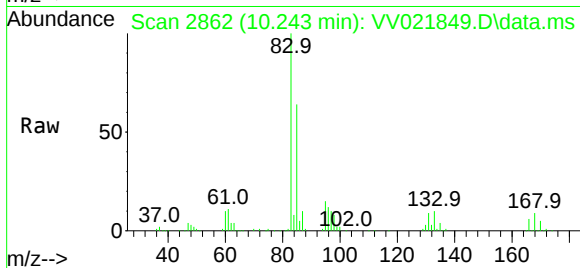




#57  
1,1,2,2-Tetrachloroethane  
Concen: 57.161 ug/L  
RT: 10.243 min Scan# 2862  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

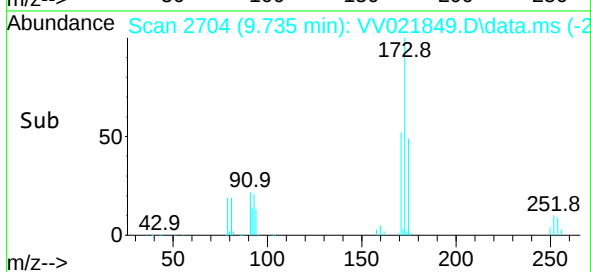
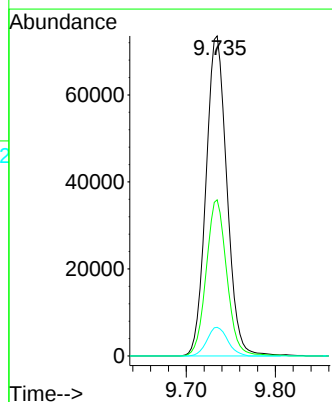
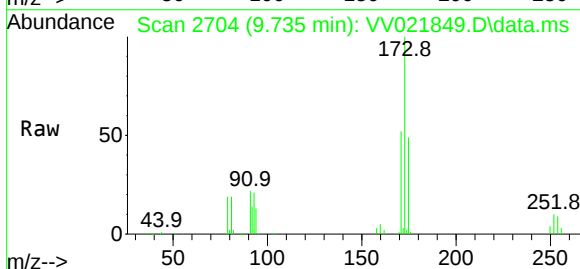
Instrument :  
MSVOA\_V  
ClientSampleId :

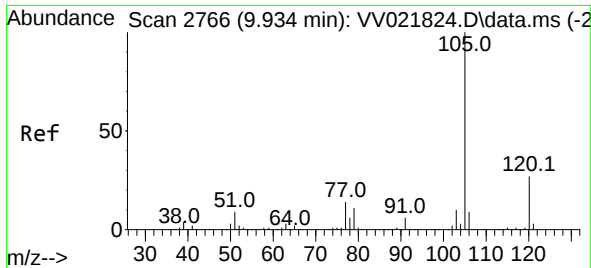
Tgt Ion: 83 Resp: 236139  
Ion Ratio Lower Upper  
83 100  
85 63.8 44.4 82.5  
131 9.4 7.9 11.9



#59  
Bromoform  
Concen: 50.987 ug/L  
RT: 9.735 min Scan# 2704  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion: 173 Resp: 119606  
Ion Ratio Lower Upper  
173 100  
175 48.1 38.6 58.0  
254 8.9 7.2 10.8

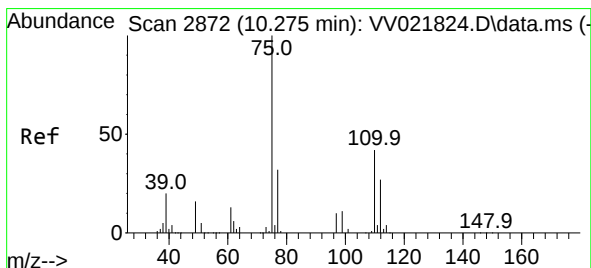
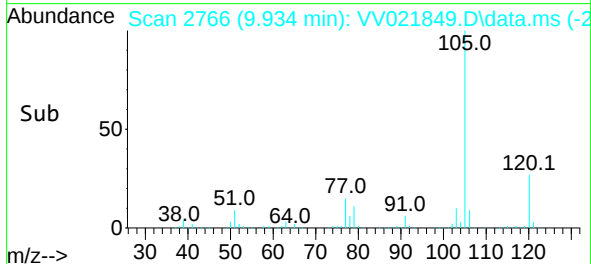
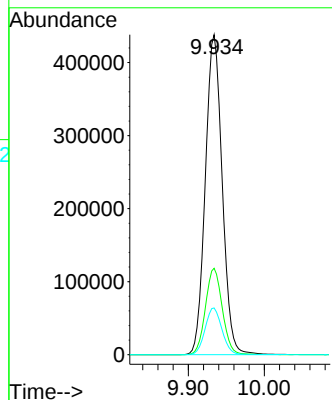
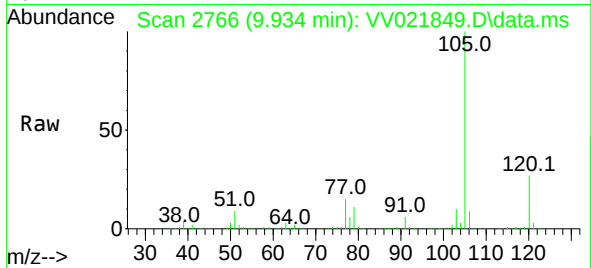




#60  
Isopropylbenzene  
Concen: 51.116 ug/L  
RT: 9.934 min Scan# 2766  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

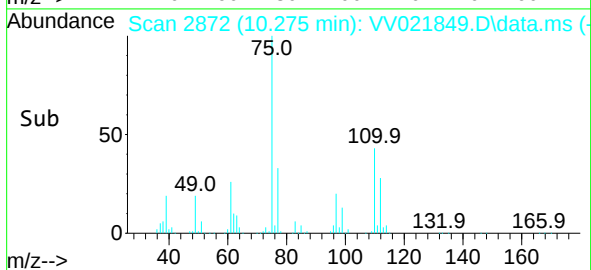
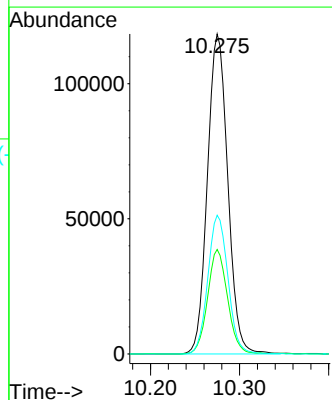
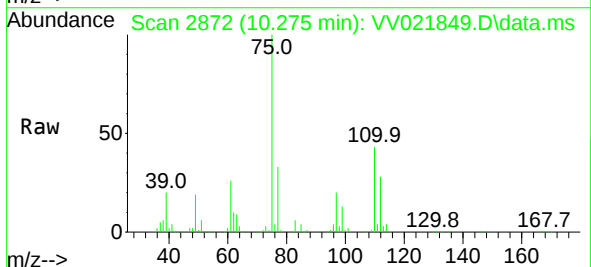
Instrument :  
MSVOA\_V  
ClientSampled :

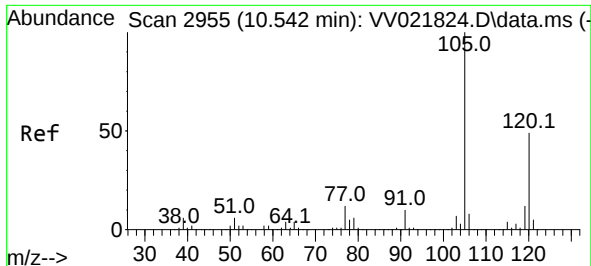
Tgt Ion:105 Resp: 676264  
Ion Ratio Lower Upper  
105 100  
120 27.0 21.3 31.9  
77 14.7 11.8 17.8



#61  
1,2,3-Trichloropropane  
Concen: 51.583 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion: 75 Resp: 188112  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.5 38.3  
110 42.9 33.4 50.2

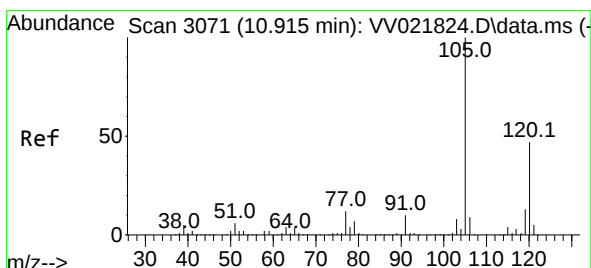
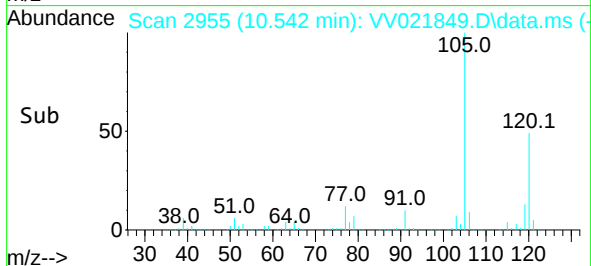
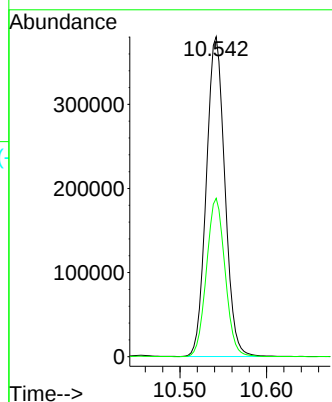
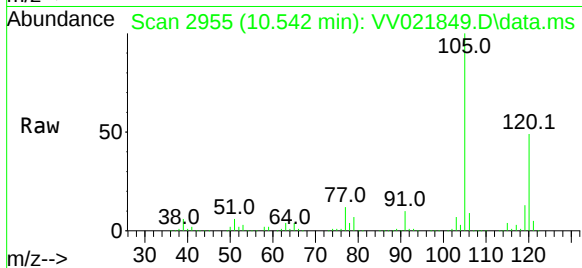




#62  
1,3,5-Trimethylbenzene  
Concen: 50.859 ug/L  
RT: 10.542 min Scan# 2955  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

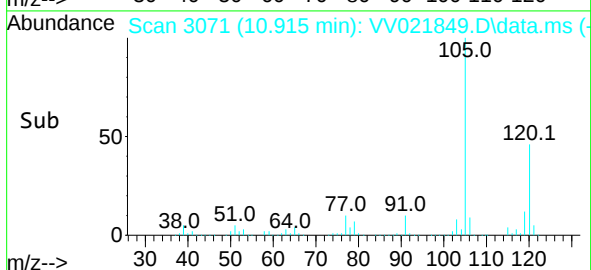
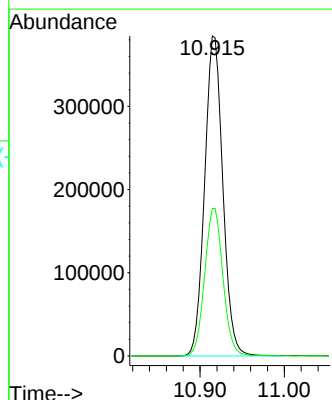
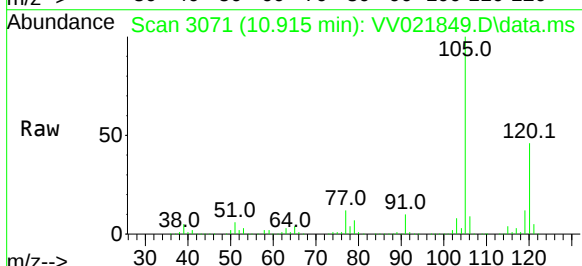
Instrument :  
MSVOA\_V  
ClientSampleId :

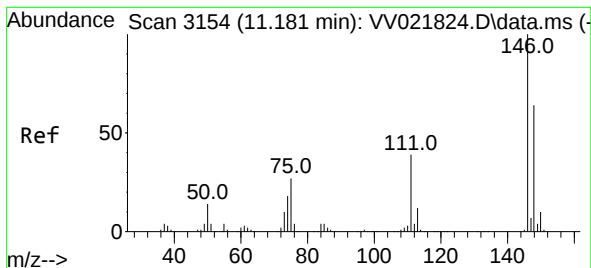
Tgt Ion:105 Resp: 564649  
Ion Ratio Lower Upper  
105 100  
120 49.8 40.2 60.4



#63  
1,2,4-Trimethylbenzene  
Concen: 51.206 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion:105 Resp: 578028  
Ion Ratio Lower Upper  
105 100  
120 46.4 37.3 55.9





#64

1,3-Dichlorobenzene

Concen: 50.157 ug/L

RT: 11.182 min Scan# 3154

Delta R.T. 0.000 min

Lab File: VV021849.D

Acq: 18 Aug 2021 05:23

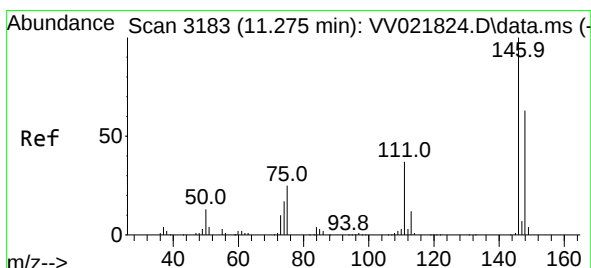
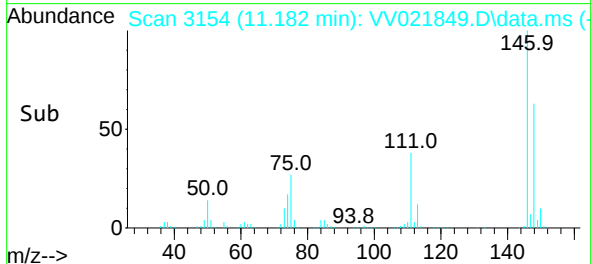
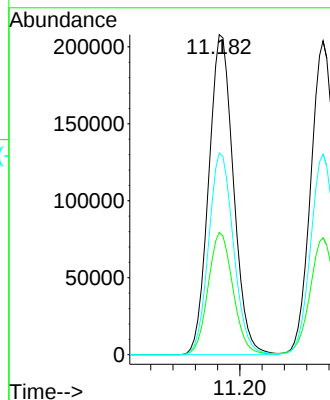
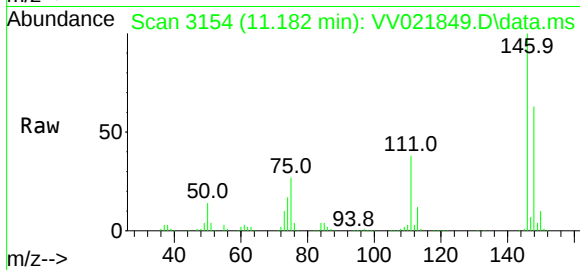
Tgt Ion:146 Resp: 321348

Ion Ratio Lower Upper

146 100

111 38.2 26.5 49.1

148 63.1 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 49.500 ug/L

RT: 11.275 min Scan# 3183

Delta R.T. 0.000 min

Lab File: VV021849.D

Acq: 18 Aug 2021 05:23

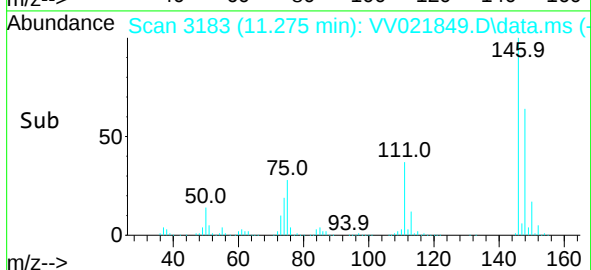
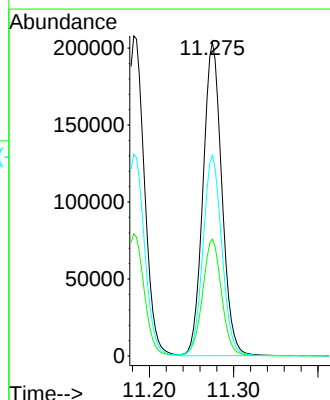
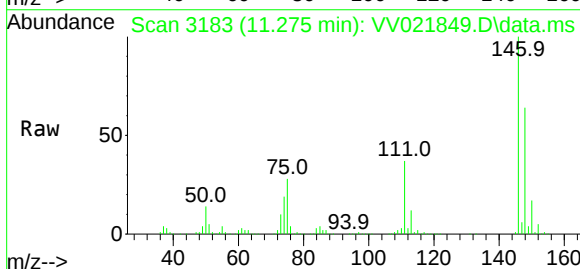
Tgt Ion:146 Resp: 316561

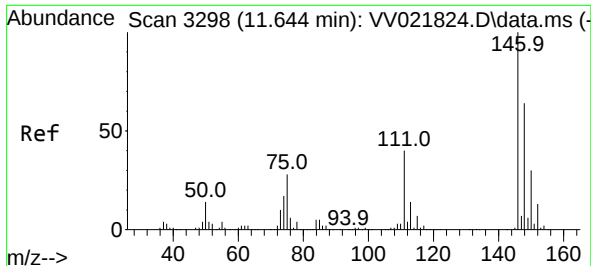
Ion Ratio Lower Upper

146 100

111 37.2 26.2 48.6

148 63.9 45.1 83.9

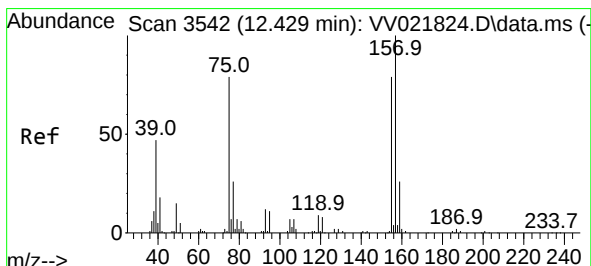
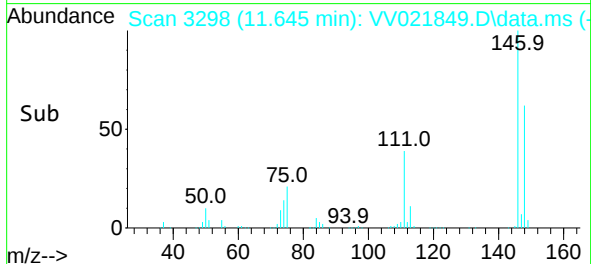
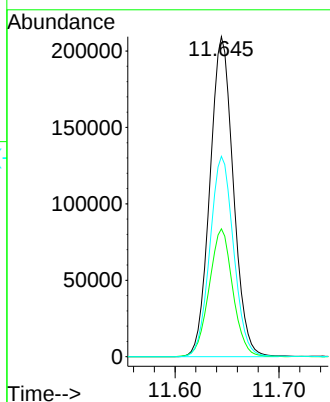
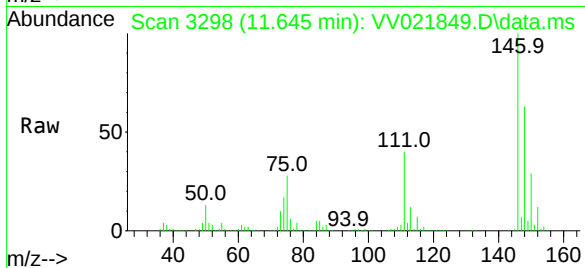




#67  
1,2-Dichlorobenzene  
Concen: 50.665 ug/L  
RT: 11.645 min Scan# 3298  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

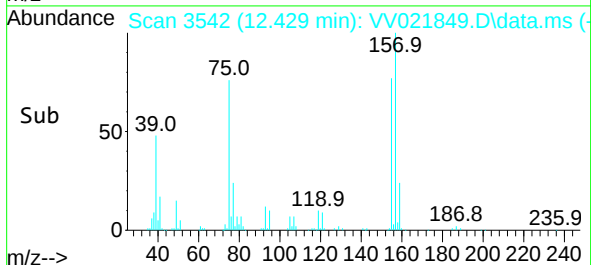
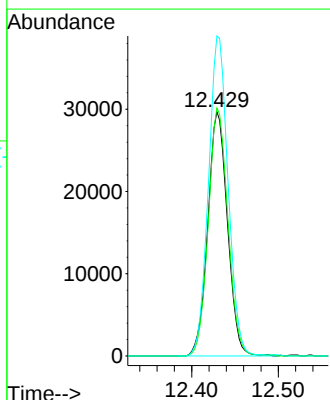
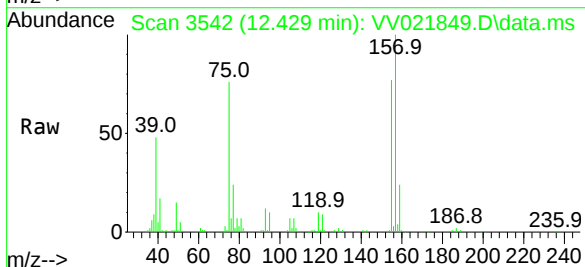
Instrument :  
MSVOA\_V  
ClientSampleId :

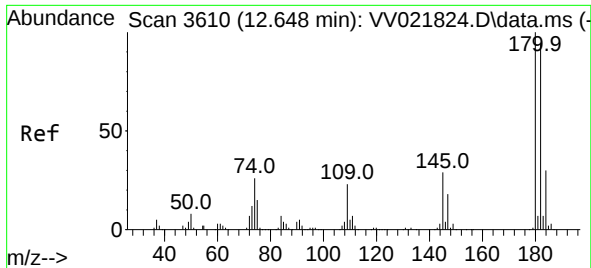
Tgt Ion:146 Resp: 327455  
Ion Ratio Lower Upper  
146 100  
111 39.9 31.8 47.8  
148 62.6 51.0 76.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 52.911 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion: 75 Resp: 46913  
Ion Ratio Lower Upper  
75 100  
155 101.5 77.8 116.8  
157 131.1 99.4 149.0

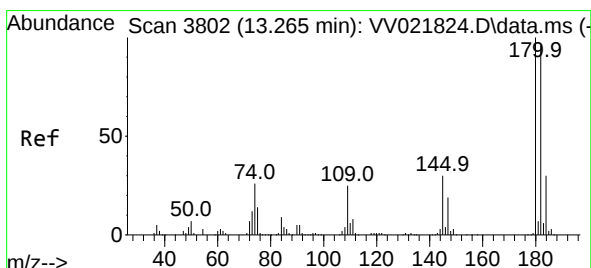
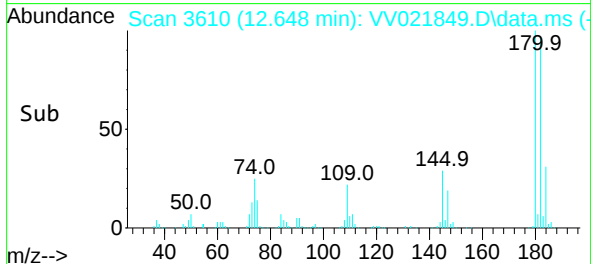
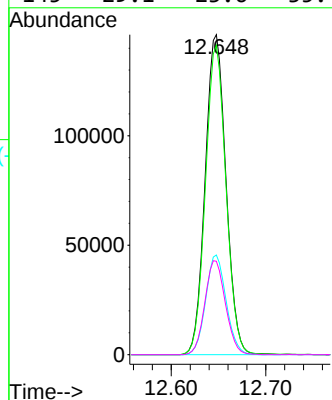
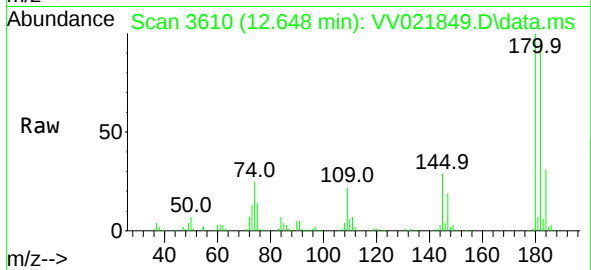




#69  
1,3,5-Trichlorobenzene  
Concen: 48.128 ug/L  
RT: 12.648 min Scan# 3610  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

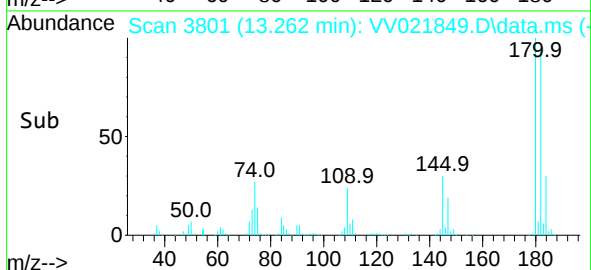
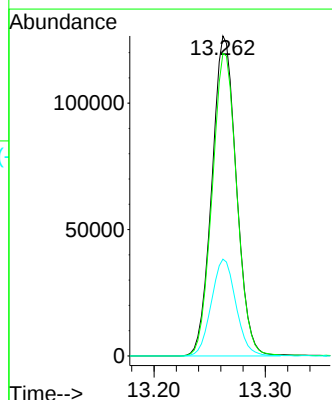
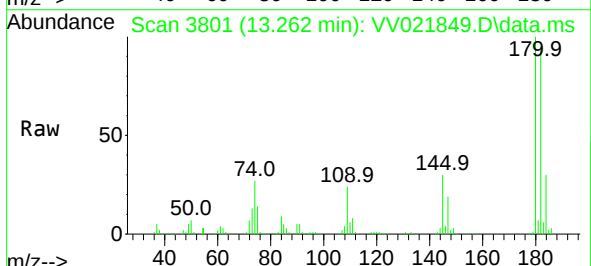
Instrument :  
MSVOA\_V  
ClientSampled :

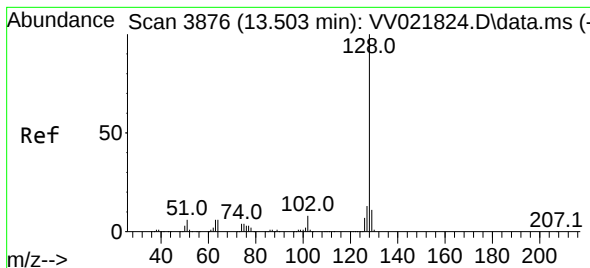
Tgt Ion:180 Resp: 223514  
Ion Ratio Lower Upper  
180 100  
182 95.4 76.8 115.2  
184 30.7 24.1 36.1  
145 29.1 23.6 35.4



#70  
1,2,4-trichlorobenzene  
Concen: 49.578 ug/L  
RT: 13.262 min Scan# 3801  
Delta R.T. -0.003 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion:180 Resp: 193103  
Ion Ratio Lower Upper  
180 100  
182 95.1 75.8 113.6  
145 30.3 23.9 35.9

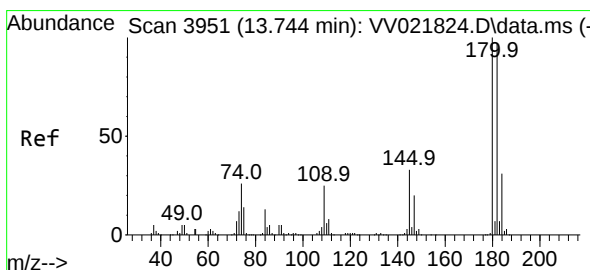
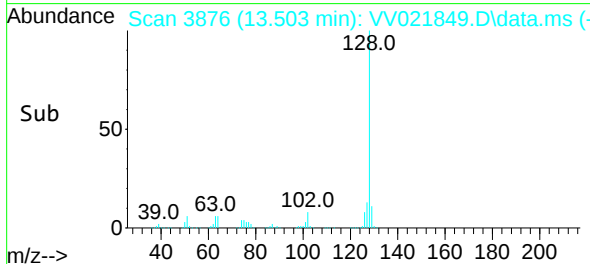
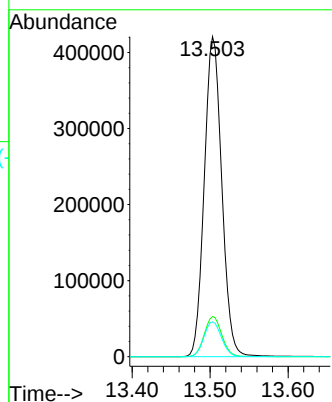
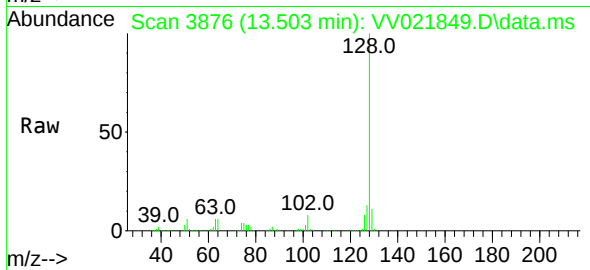




#71  
Naphthalene  
Concen: 57.966 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion:128 Resp: 655831  
Ion Ratio Lower Upper  
128 100  
127 12.5 10.0 15.0  
129 11.0 8.5 12.7



#72  
1,2,3-Trichlorobenzene  
Concen: 51.830 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. 0.000 min  
Lab File: VV021849.D  
Acq: 18 Aug 2021 05:23

Tgt Ion:180 Resp: 202802  
Ion Ratio Lower Upper  
180 100  
182 95.0 76.2 114.2  
145 31.3 25.6 38.4

