

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092021\  
 Data File : VV022265.D  
 Acq On : 21 Sep 2021 04:38  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 21 06:25:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 21 06:08:34 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612   | 114   | 377109   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.857   | 117   | 348017   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.255  | 152   | 168423   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 116832   | 44.737   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 89.480%  |
| 7) Chloroethane-d5            | 1.555   | 69    | 45860    | 22.487   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 44.980%# |
| 11) 1,1-Dichloroethene-d2     | 2.066   | 63    | 220462   | 51.045   | ug/L   | -0.04    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 102.080% |
| 21) 2-Butanone-d5             | 3.905   | 46    | 147169   | 82.170   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 82.170%  |
| 24) Chloroform-d              | 4.346   | 84    | 206092   | 43.280   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.560%  |
| 26) 1,2-Dichloroethane-d4     | 5.030   | 65    | 135924   | 48.461   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.920%  |
| 32) Benzene-d6                | 5.040   | 84    | 465972   | 49.365   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.720%  |
| 36) 1,2-Dichloropropane-d6    | 6.069   | 67    | 157743   | 53.138   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 106.280% |
| 41) Toluene-d8                | 7.317   | 98    | 418446   | 46.961   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.920%  |
| 43) trans-1,3-Dichloroprop... | 7.625   | 79    | 60006    | 42.470   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.940%  |
| 47) 2-Hexanone-d5             | 8.101   | 63    | 54367    | 47.731   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 47.730%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.226  | 84    | 168658   | 44.361   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 88.720%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.631  | 152   | 149038   | 45.013   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.020%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124   | 85    | 80217    | 30.946   | ug/L   | 99       |
| 3) Chloromethane              | 1.236   | 50    | 98376    | 35.840   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.307   | 62    | 62163    | 22.469   | ug/L   | 99       |
| 6) Bromomethane               | 1.513   | 94    | 46438    | 27.919   | ug/L   | 100      |
| 8) Chloroethane               | 1.568   | 64    | 28935    | 16.719   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.715   | 101   | 101467   | 25.755   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.072   | 101   | 111904   | 48.427   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.076   | 96    | 103792   | 47.716   | ug/L   | 96       |
| 13) Acetone                   | 2.432   | 43    | 127096   | 84.694   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.252   | 76    | 217946   | 33.205   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.432   | 43    | 135420   | 46.339   | ug/L   | 100      |
| 16) Methylene chloride        | 2.490   | 84    | 135577   | 46.520   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.738   | 96    | 114850   | 43.668   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 2.777   | 73    | 409203   | 48.961   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.175   | 63    | 230218   | 49.147   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.902   | 96    | 136320   | 46.569   | ug/L   | 98       |
| 22) 2-Butanone                | 3.989   | 43    | 155834   | 73.876   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.243   | 128   | 72085    | 46.240   | ug/L   | 96       |
| 25) Chloroform                | 4.371   | 83    | 261047   | 52.644   | ug/L   | 99       |

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 Data File : VW022265.D  
 Acq On : 21 Sep 2021 04:38  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

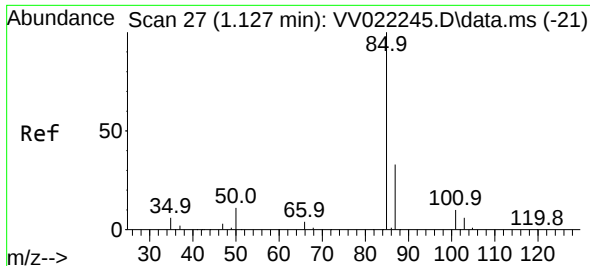
Quant Time: Sep 21 06:25:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 21 06:08:34 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 170510   | 51.297 | ug/L  | 100      |
| 29) Cyclohexane               | 4.657  | 56   | 174207   | 44.779 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 4.596  | 97   | 200949   | 48.583 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.815  | 117  | 166836   | 46.948 | ug/L  | 100      |
| 33) Benzene                   | 5.092  | 78   | 503931   | 49.770 | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 131972   | 46.014 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.124  | 83   | 179119   | 42.720 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 129609   | 49.381 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.513  | 83   | 160069   | 47.689 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 182012   | 44.916 | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 7.236  | 43   | 268920   | 75.576 | ug/L  | 98       |
| 42) Toluene                   | 7.387  | 91   | 531384   | 48.625 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 169372   | 44.909 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.844  | 97   | 133141   | 49.855 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.976  | 164  | 100721   | 45.164 | ug/L  | 97       |
| 48) 2-Hexanone                | 8.149  | 43   | 128054   | 46.383 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.249  | 129  | 135204   | 47.297 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 137636   | 48.021 | ug/L  | 100      |
| 51) Chlorobenzene             | 8.886  | 112  | 341668   | 46.502 | ug/L  | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 545308   | 46.096 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.143  | 106  | 211175   | 45.927 | ug/L  | 99       |
| 54) o-Xylene                  | 9.548  | 106  | 213465   | 46.920 | ug/L  | 98       |
| 55) Styrene                   | 9.567  | 104  | 359974   | 46.364 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.252 | 83   | 182594   | 47.190 | ug/L  | 99       |
| 59) Bromoform                 | 9.738  | 173  | 89331    | 49.938 | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.937  | 105  | 551357   | 52.099 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.284 | 75   | 155417   | 53.243 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.545 | 105  | 445324   | 50.122 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.921 | 105  | 448642   | 49.680 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.188 | 146  | 247198   | 46.005 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.281 | 146  | 247762   | 45.061 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.651 | 146  | 257802   | 48.320 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.435 | 75   | 31860    | 45.288 | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 12.651 | 180  | 160681   | 39.992 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.265 | 180  | 131340   | 37.160 | ug/L  | 99       |
| 71) Naphthalene               | 13.506 | 128  | 385189   | 37.886 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.747 | 180  | 136360   | 39.555 | ug/L  | 99       |

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

Quant Time: Sep 21 06:25:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Sep 21 06:08:34 2021  
Response via : Initial Calibration

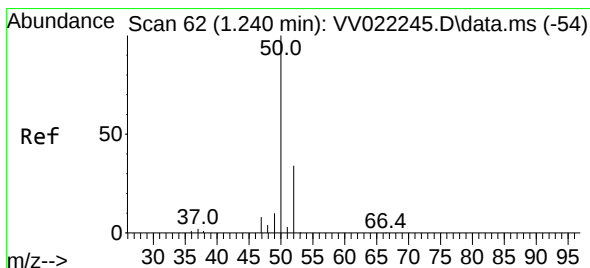
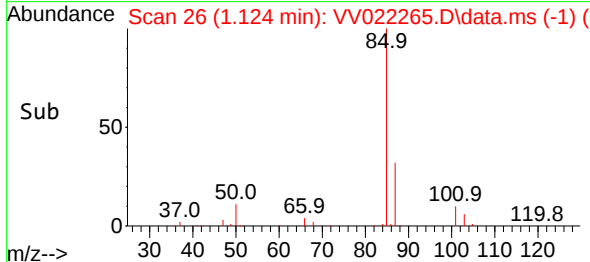
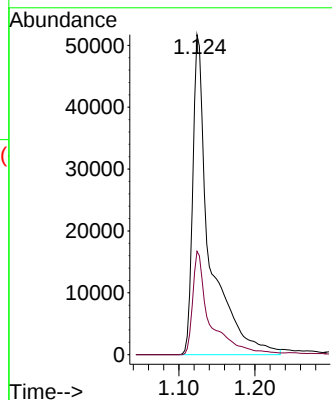
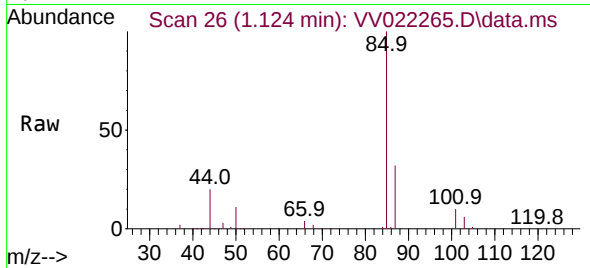




#2  
Dichlorodifluoromethane  
Concen: 30.946 ug/L  
RT: 1.124 min Scan# 26  
Delta R.T. -0.003 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

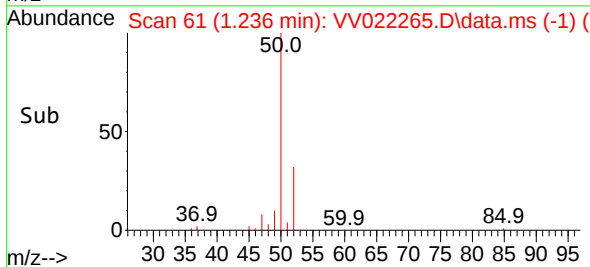
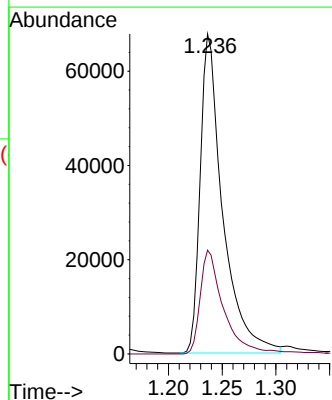
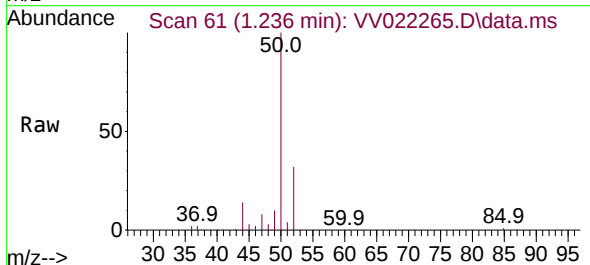
Instrument :  
MSVOA\_V  
ClientSampled :

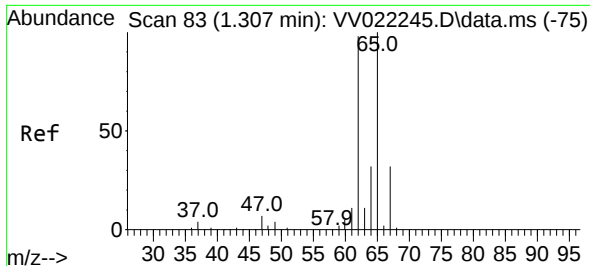
Tgt Ion: 85 Resp: 80217  
Ion Ratio Lower Upper  
85 100  
87 31.8 26.0 39.0



#3  
Chloromethane  
Concen: 35.840 ug/L  
RT: 1.236 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion: 50 Resp: 98376  
Ion Ratio Lower Upper  
50 100  
52 32.5 22.5 41.9

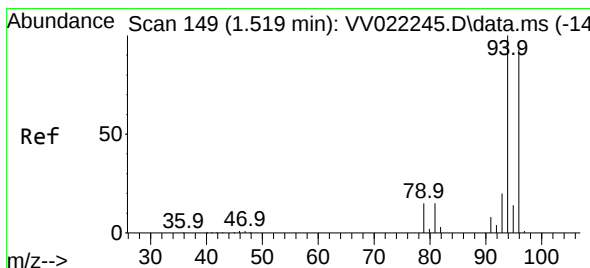
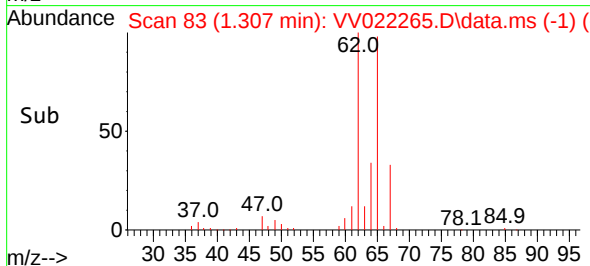
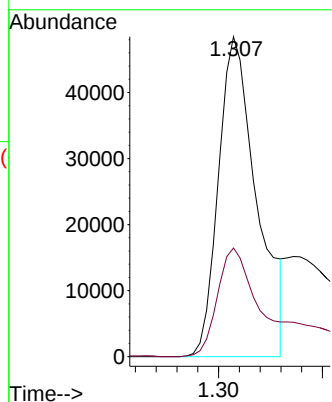
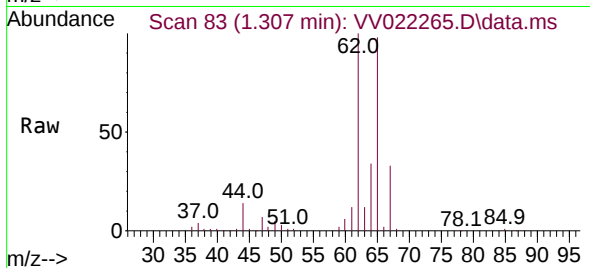




#5  
 Vinyl chloride  
 Concen: 22.469 ug/L  
 RT: 1.307 min Scan# 83  
 Delta R.T. 0.000 min  
 Lab File: VV022265.D  
 Acq: 21 Sep 2021 04:38

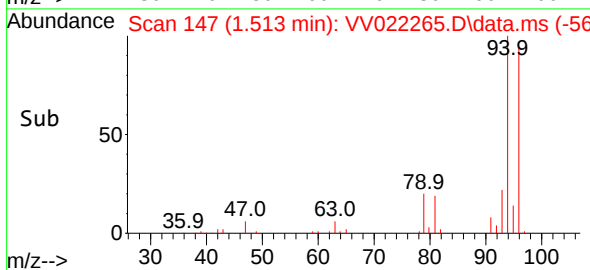
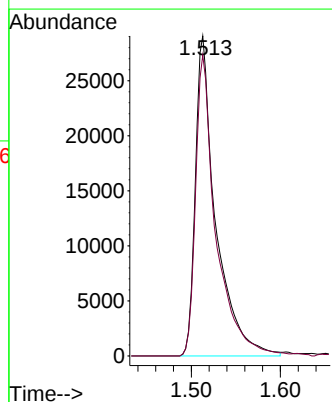
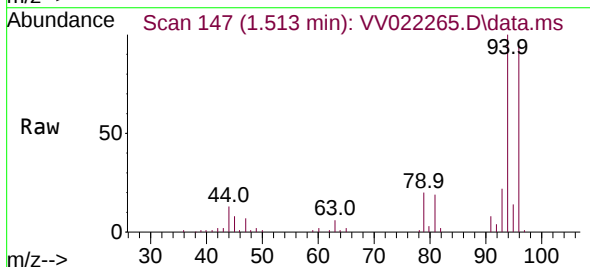
Instrument :  
 MSVOA\_V  
 ClientSampleId :

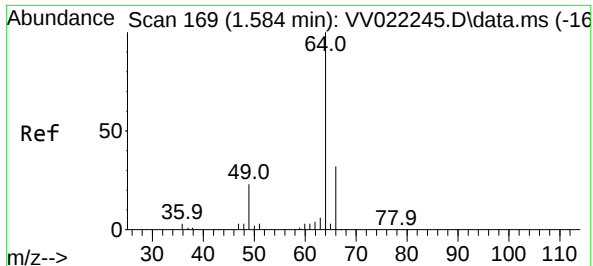
Tgt Ion: 62 Resp: 62163  
 Ion Ratio Lower Upper  
 62 100  
 64 33.9 23.4 43.6



#6  
 Bromomethane  
 Concen: 27.919 ug/L  
 RT: 1.513 min Scan# 147  
 Delta R.T. -0.006 min  
 Lab File: VV022265.D  
 Acq: 21 Sep 2021 04:38

Tgt Ion: 94 Resp: 46438  
 Ion Ratio Lower Upper  
 94 100  
 96 94.0 65.8 122.2

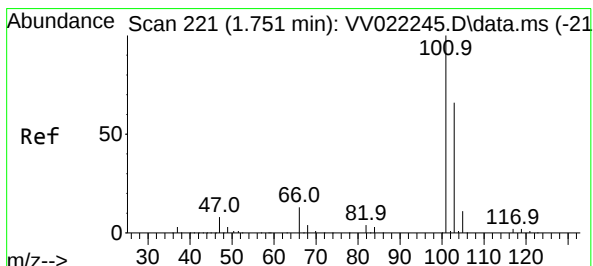
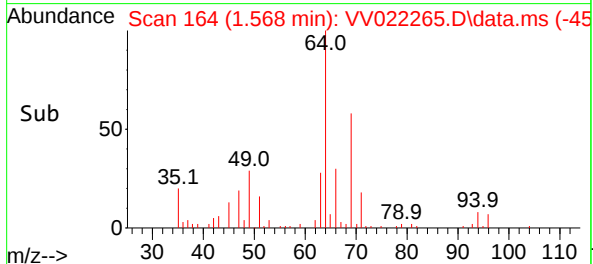
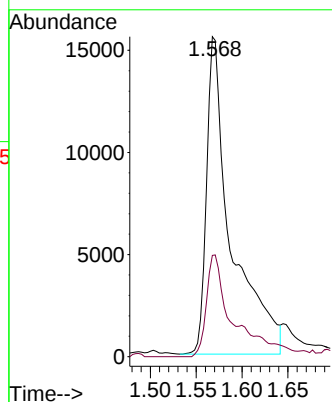
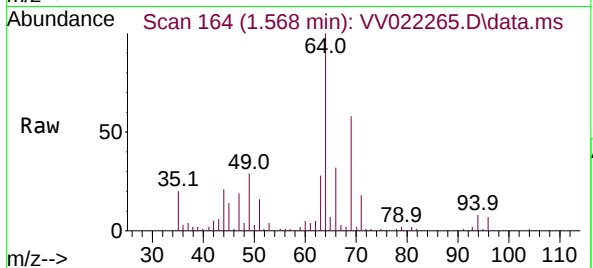




#8  
Chloroethane  
Concen: 16.719 ug/L  
RT: 1.568 min Scan# 164  
Delta R.T. -0.016 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

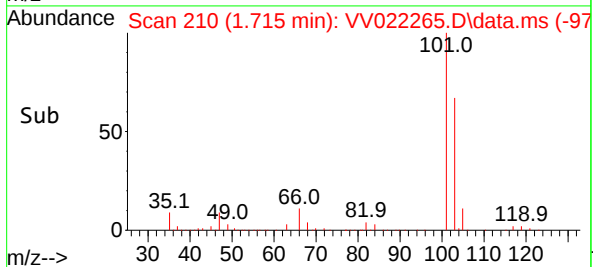
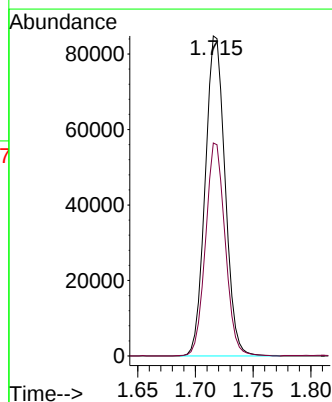
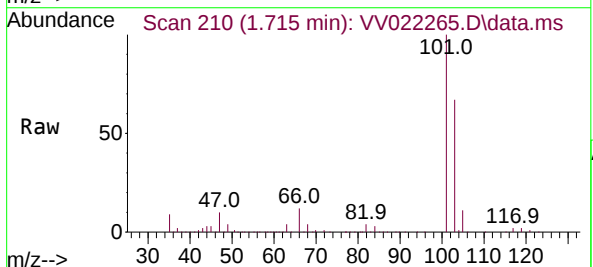
Instrument :  
MSVOA\_V  
ClientSampled :

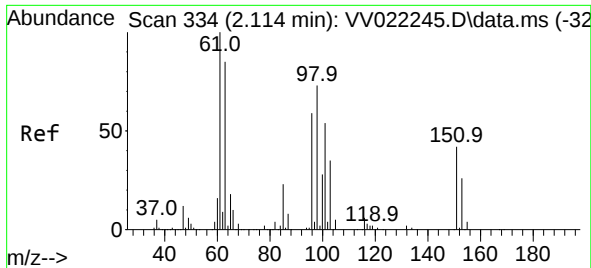
Tgt Ion: 64 Resp: 28935  
Ion Ratio Lower Upper  
64 100  
66 31.7 22.7 42.3



#9  
Trichlorofluoromethane  
Concen: 25.755 ug/L  
RT: 1.715 min Scan# 210  
Delta R.T. -0.035 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion:101 Resp: 101467  
Ion Ratio Lower Upper  
101 100  
103 65.7 51.4 77.0

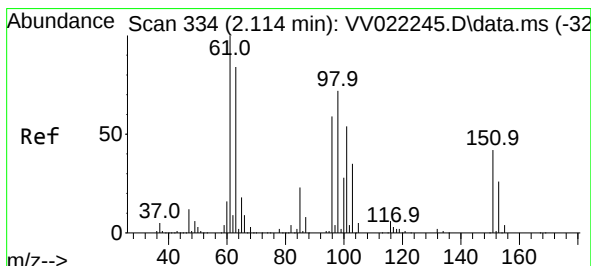
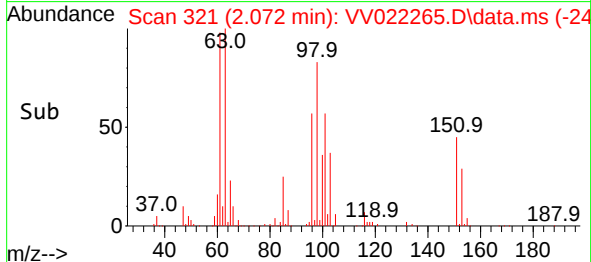
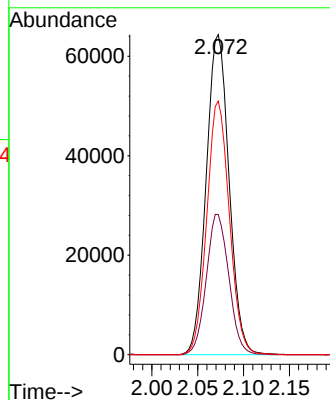
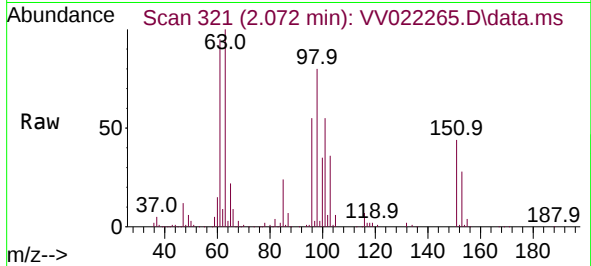




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 48.427 ug/L  
 RT: 2.072 min Scan# 321  
 Delta R.T. -0.042 min  
 Lab File: VV022265.D  
 Acq: 21 Sep 2021 04:38

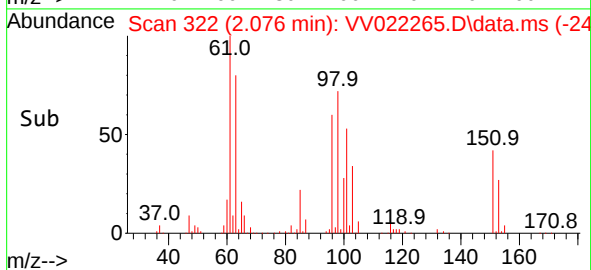
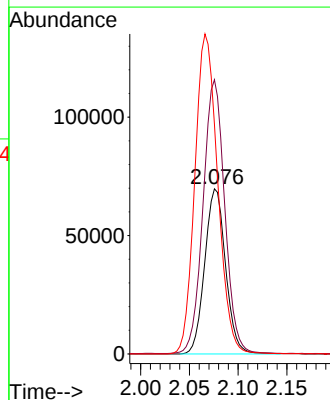
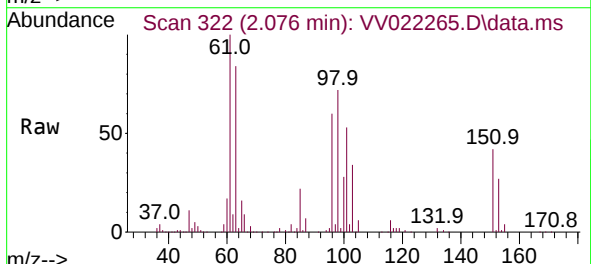
Instrument :  
 MSVOA\_V  
 ClientSampleId :

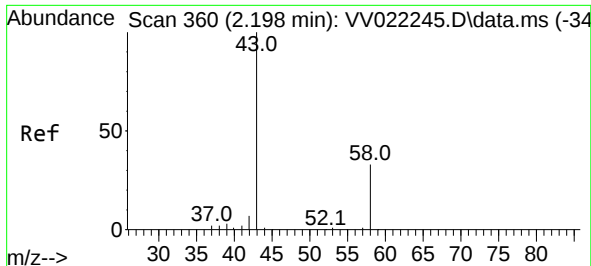
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 Ion Ratio Lower Upper  
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 151 78.2 61.7 92.5



#12  
 1,1-Dichloroethene  
 Concen: 47.716 ug/L  
 RT: 2.076 min Scan# 322  
 Delta R.T. -0.039 min  
 Lab File: VV022265.D  
 Acq: 21 Sep 2021 04:38

Tgt Ion: 96 Resp: 103792  
 Ion Ratio Lower Upper  
 96 100  
 61 166.1 113.2 210.2  
 63 139.1 102.3 189.9

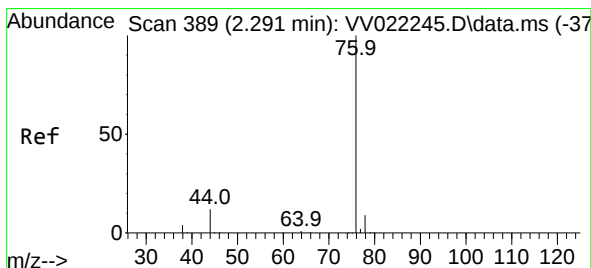
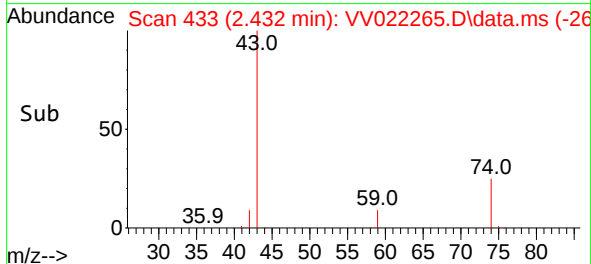
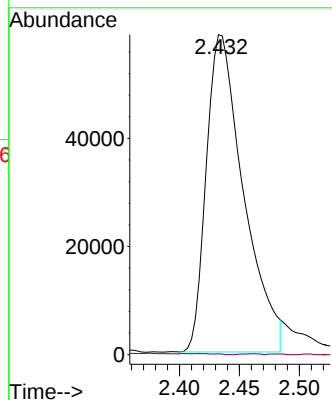
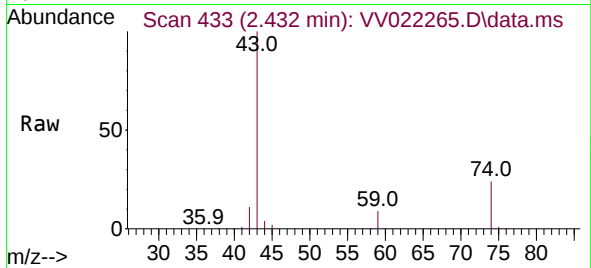




#13  
Acetone  
Concen: 84.694 ug/L  
RT: 2.432 min Scan# 433  
Delta R.T. 0.235 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

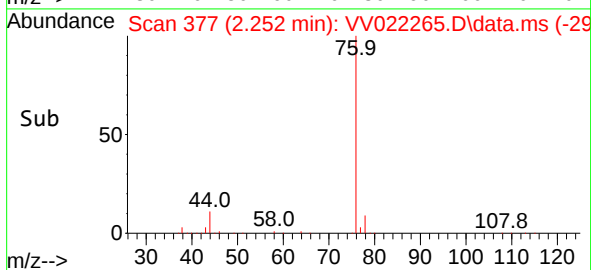
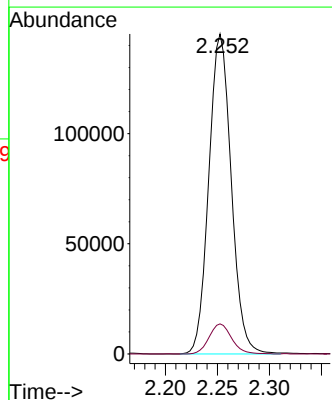
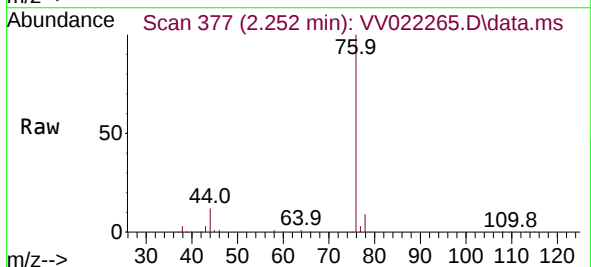
Instrument :  
MSVOA\_V  
ClientSampled :

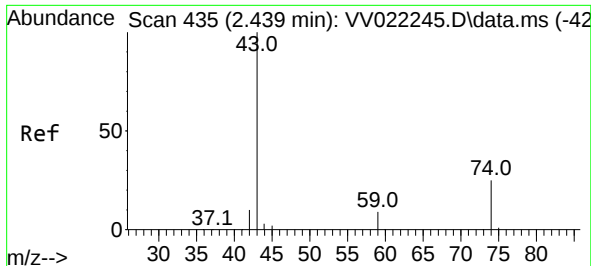
Tgt Ion: 43 Resp: 127096  
Ion Ratio Lower Upper  
43 100  
58 0.0 0.0 0.4



#14  
Carbon disulfide  
Concen: 33.205 ug/L  
RT: 2.252 min Scan# 377  
Delta R.T. -0.039 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion: 76 Resp: 217946  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.4 11.2

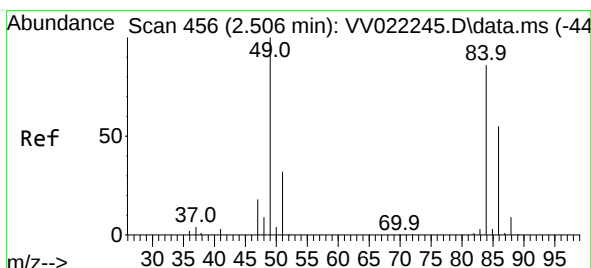
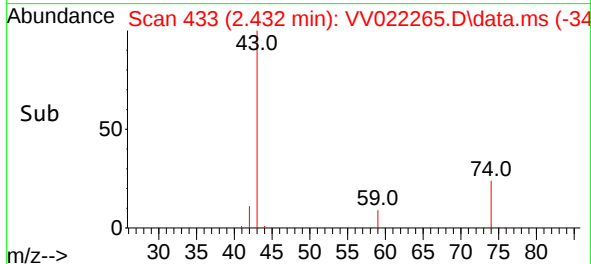
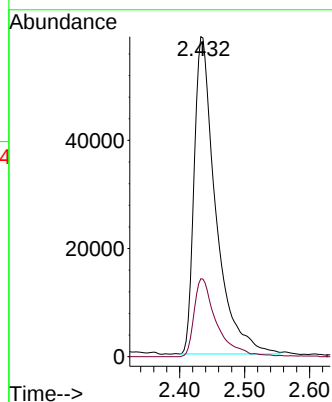
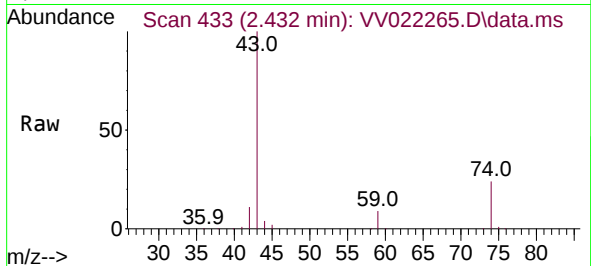




#15  
Methyl Acetate  
Concen: 46.339 ug/L  
RT: 2.432 min Scan# 433  
Delta R.T. -0.006 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

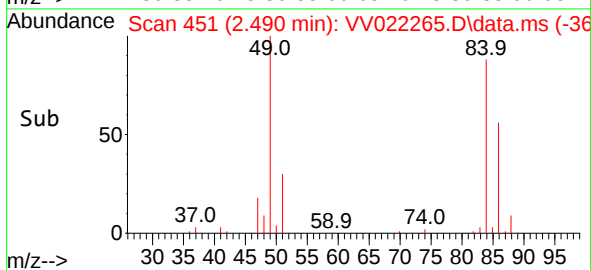
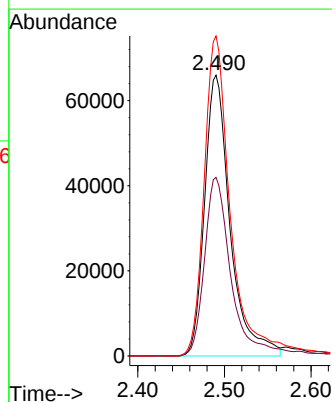
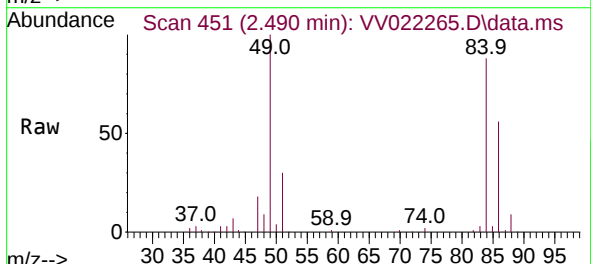
Instrument :  
MSVOA\_V  
ClientSampled :

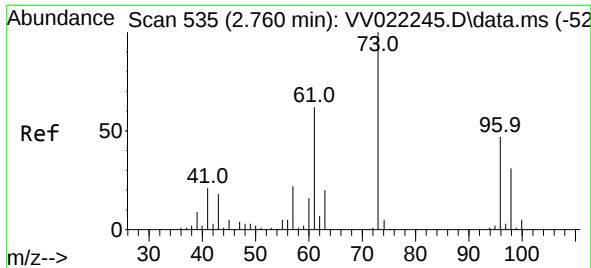
Tgt Ion: 43 Resp: 135420  
Ion Ratio Lower Upper  
43 100  
74 25.0 20.2 30.2



#16  
Methylene chloride  
Concen: 46.520 ug/L  
RT: 2.490 min Scan# 451  
Delta R.T. -0.016 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion: 84 Resp: 135577  
Ion Ratio Lower Upper  
84 100  
86 63.6 44.8 83.2  
49 113.9 80.2 149.0

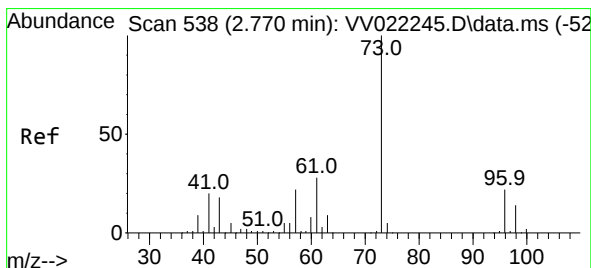
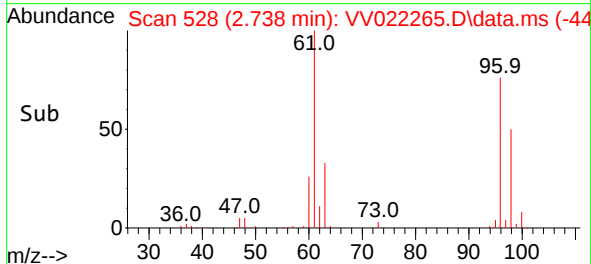
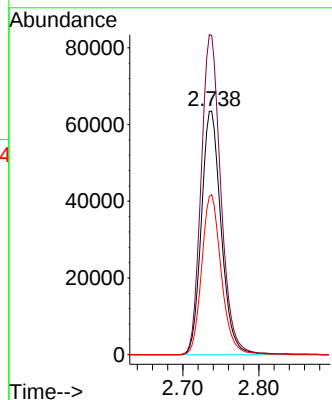
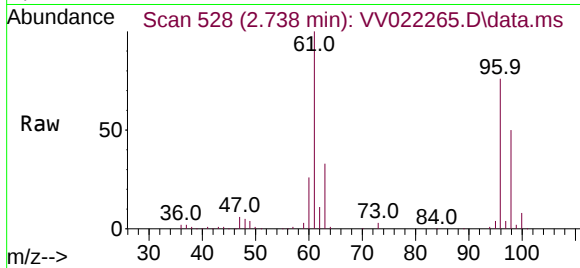




#17  
trans-1,2-Dichloroethene  
Concen: 43.668 ug/L  
RT: 2.738 min Scan# 528  
Delta R.T. -0.022 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

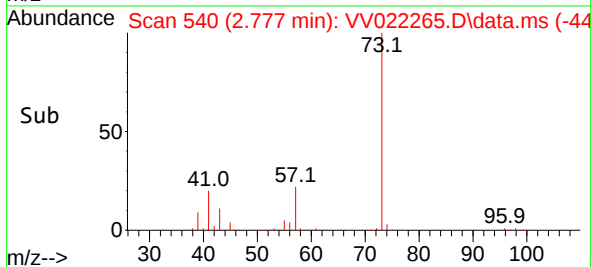
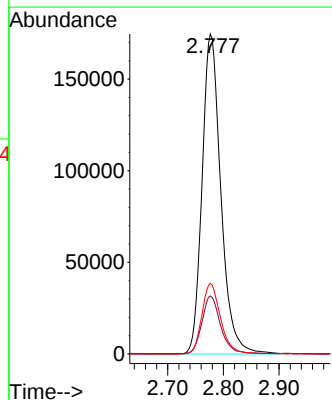
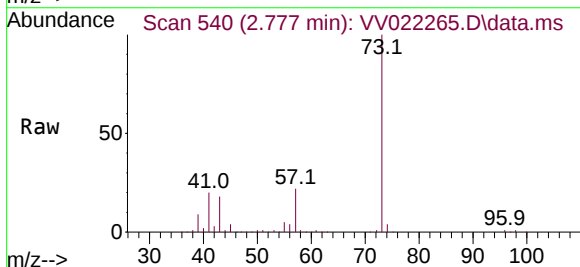
Instrument :  
MSVOA\_V  
ClientSampleId :

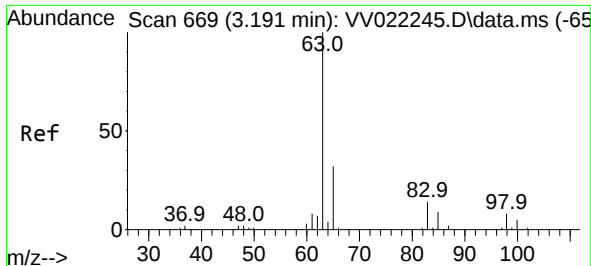
Tgt Ion: 96 Resp: 114850  
Ion Ratio Lower Upper  
96 100  
61 131.0 89.1 165.5  
98 65.7 43.8 81.3



#18  
Methyl tert-butyl Ether  
Concen: 48.961 ug/L  
RT: 2.777 min Scan# 540  
Delta R.T. 0.006 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion: 73 Resp: 409203  
Ion Ratio Lower Upper  
73 100  
43 17.6 13.8 20.6  
57 21.9 17.1 25.7





#19

1,1-Dichloroethane

Concen: 49.147 ug/L

RT: 3.175 min Scan# 664

Delta R.T. -0.016 min

Lab File: VV022265.D

Acq: 21 Sep 2021 04:38

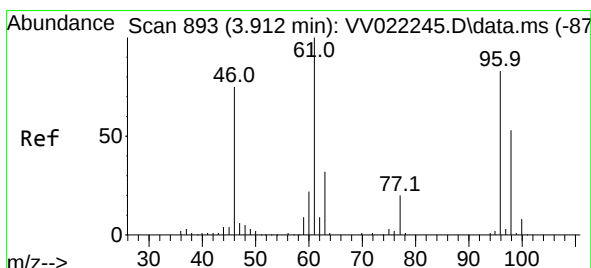
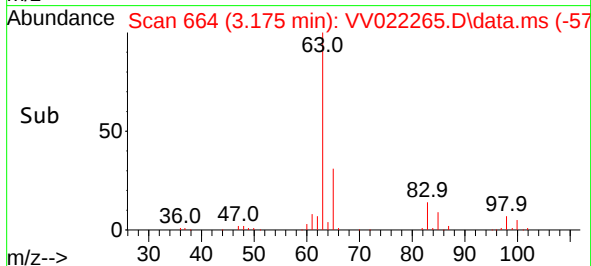
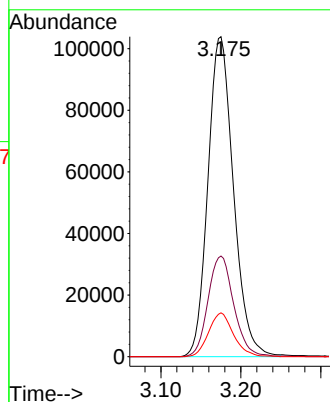
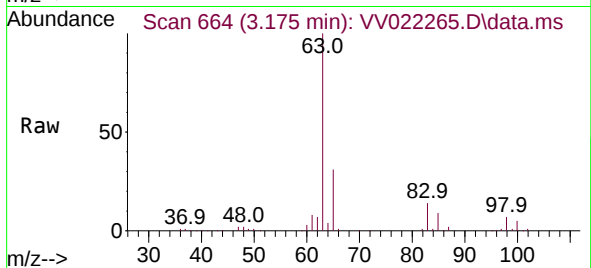
Tgt Ion: 63 Resp: 230218

Ion Ratio Lower Upper

63 100

65 31.5 22.2 41.2

83 13.7 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 46.569 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.010 min

Lab File: VV022265.D

Acq: 21 Sep 2021 04:38

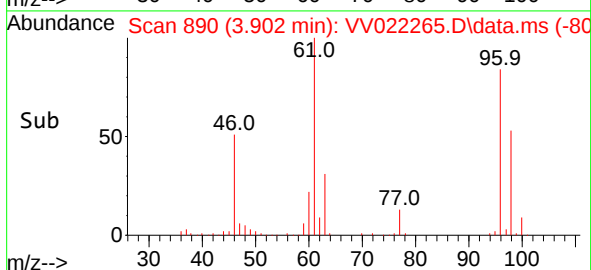
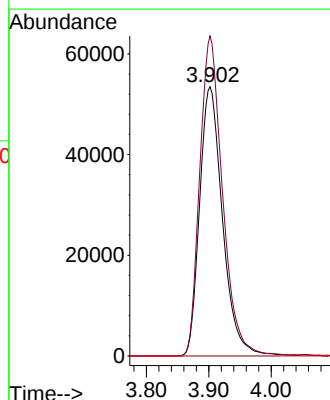
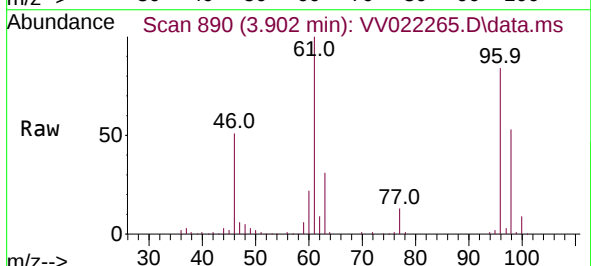
Tgt Ion: 96 Resp: 136320

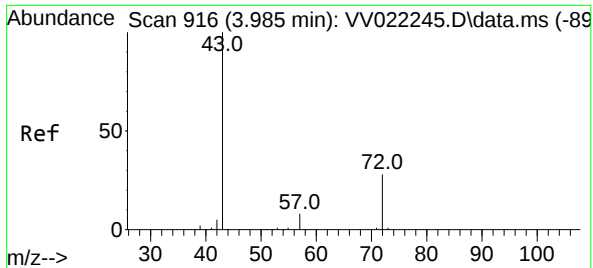
Ion Ratio Lower Upper

96 100

61 118.8 81.8 152.0

68 0.0 0.0 0.0

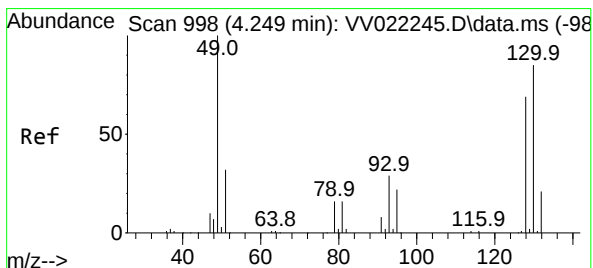
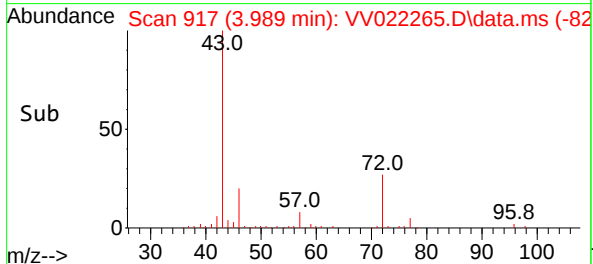
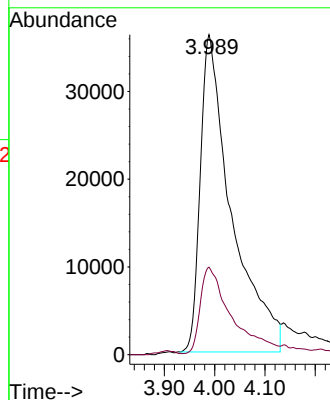
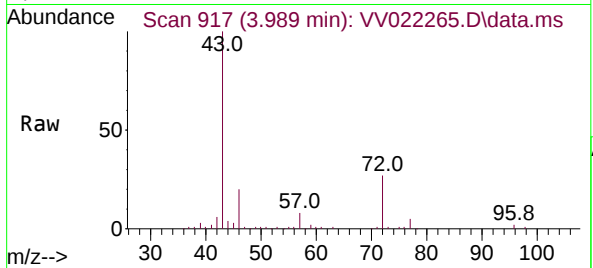




#22  
2-Butanone  
Concen: 73.876 ug/L  
RT: 3.989 min Scan# 917  
Delta R.T. 0.003 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

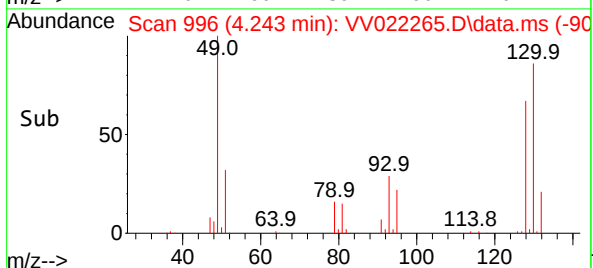
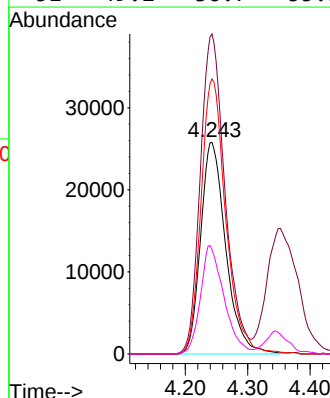
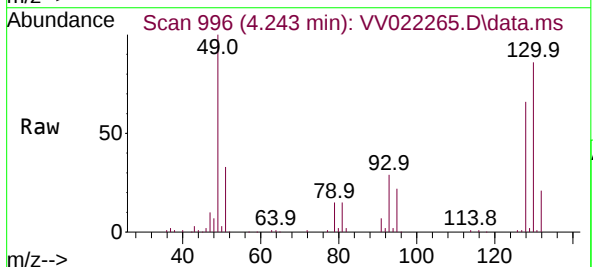
Instrument :  
MSVOA\_V  
ClientSampled :

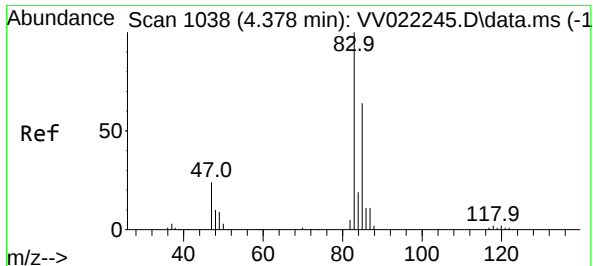
Tgt Ion: 43 Resp: 155834  
Ion Ratio Lower Upper  
43 100  
72 27.0 13.3 39.8



#23  
Bromochloromethane  
Concen: 46.240 ug/L  
RT: 4.243 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion:128 Resp: 72085  
Ion Ratio Lower Upper  
128 100  
49 151.3 101.6 188.8  
130 130.0 88.5 164.3  
51 49.2 36.7 55.1





#25

Chloroform

Concen: 52.644 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VV022265.D

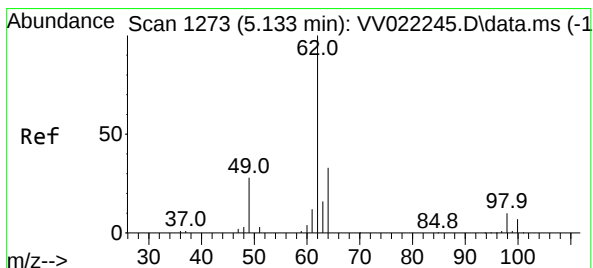
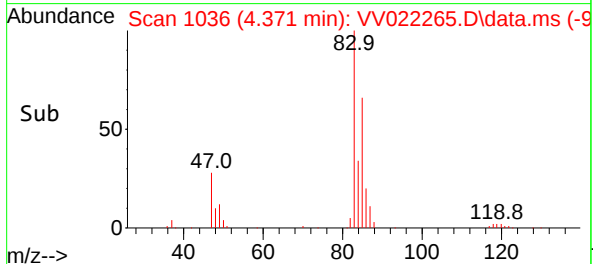
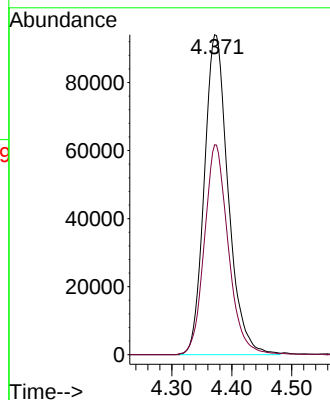
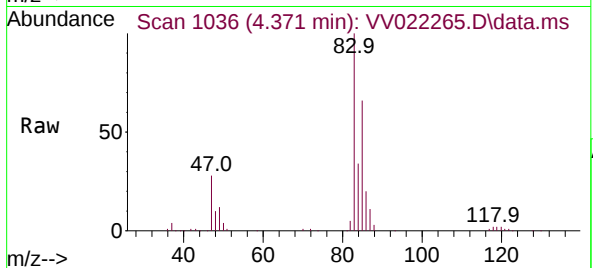
Acq: 21 Sep 2021 04:38

Tgt Ion: 83 Resp: 261047

Ion Ratio Lower Upper

83 100

85 65.6 46.3 85.9



#27

1,2-Dichloroethane

Concen: 51.297 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VV022265.D

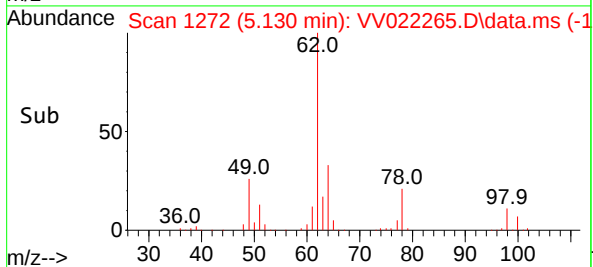
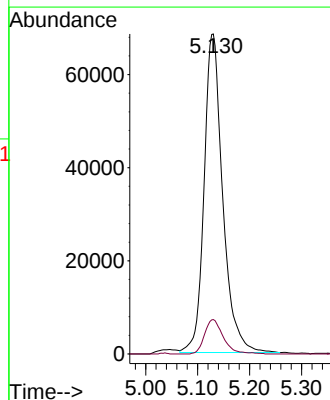
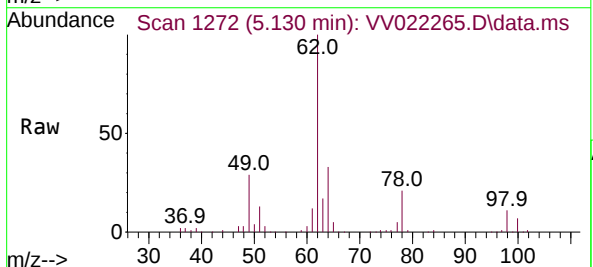
Acq: 21 Sep 2021 04:38

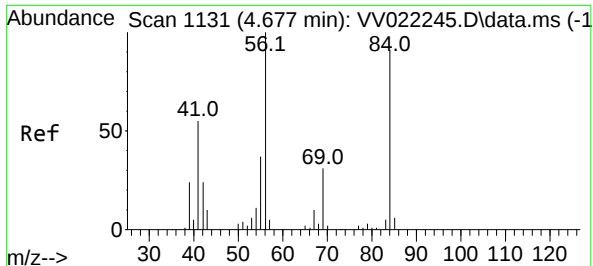
Tgt Ion: 62 Resp: 170510

Ion Ratio Lower Upper

62 100

98 10.8 8.5 12.7





#29

Cyclohexane

Concen: 44.779 ug/L

RT: 4.657 min Scan# 1125

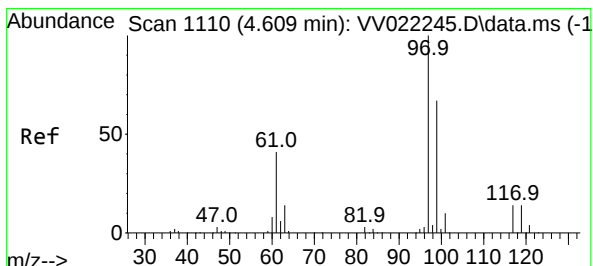
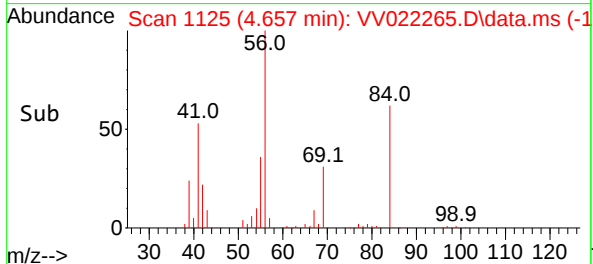
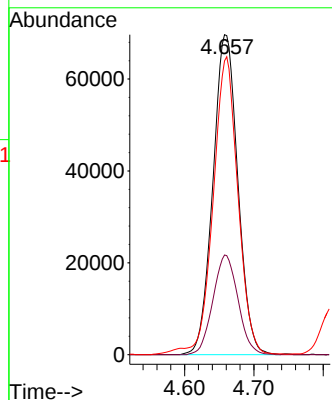
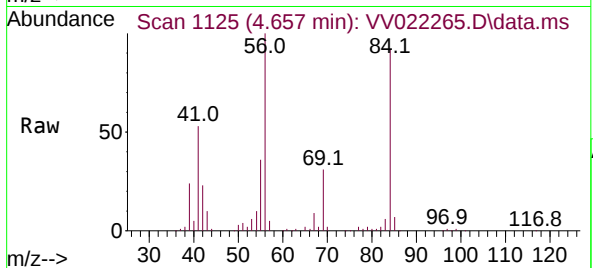
Delta R.T. -0.019 min

Lab File: VV022265.D

Acq: 21 Sep 2021 04:38

Instrument :  
MSVOA\_V  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 174207 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 31.3  | 25.2  | 37.8   |
| 84       | 90.8  | 74.6  | 111.8  |



#30

1,1,1-Trichloroethane

Concen: 48.583 ug/L

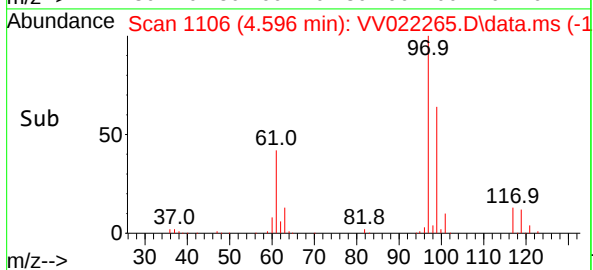
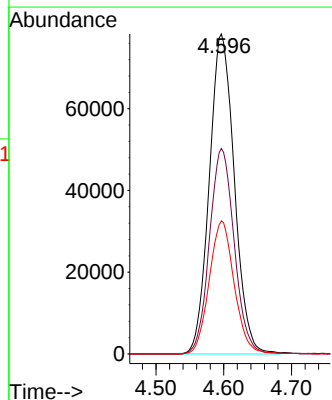
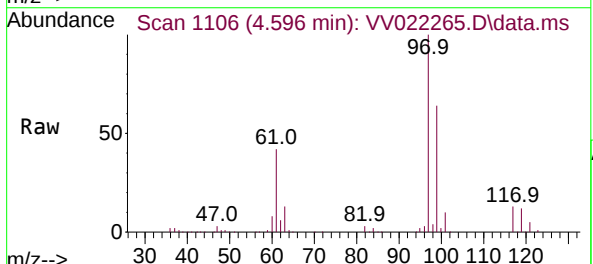
RT: 4.596 min Scan# 1106

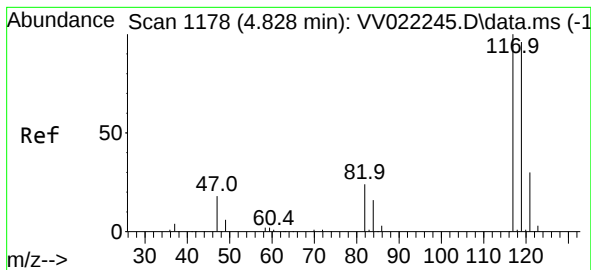
Delta R.T. -0.013 min

Lab File: VV022265.D

Acq: 21 Sep 2021 04:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 200949 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.6  | 52.0  | 78.0   |
| 61       | 41.5  | 31.8  | 47.8   |

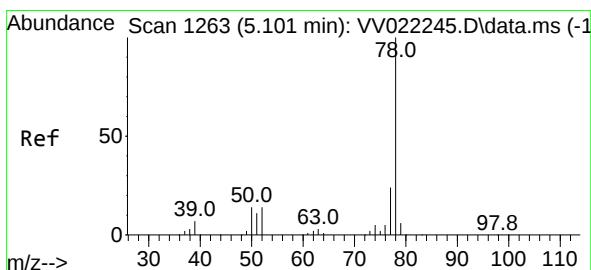
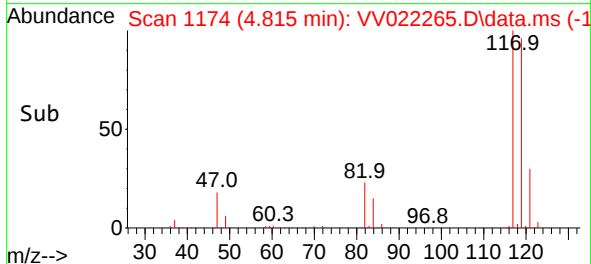
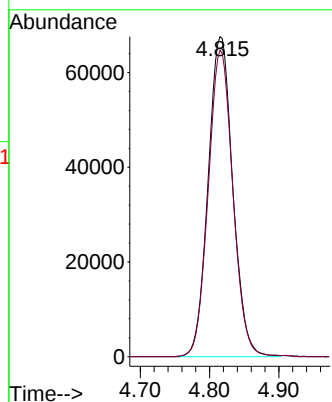
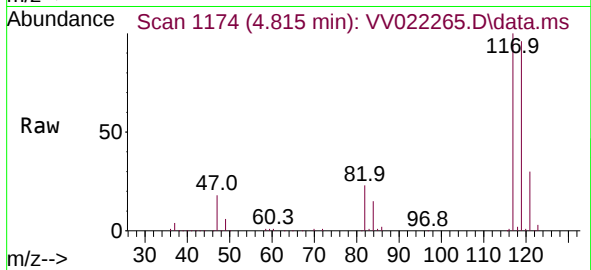




#31  
Carbon tetrachloride  
Concen: 46.948 ug/L  
RT: 4.815 min Scan# 1174  
Delta R.T. -0.013 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

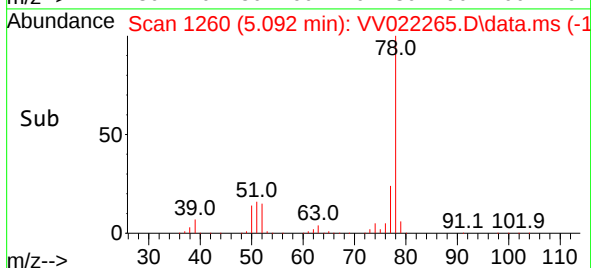
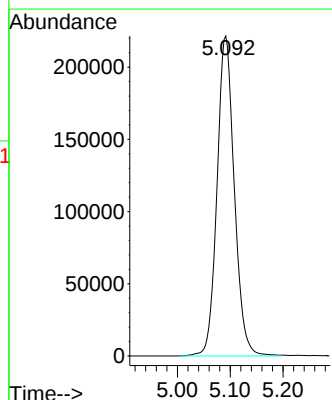
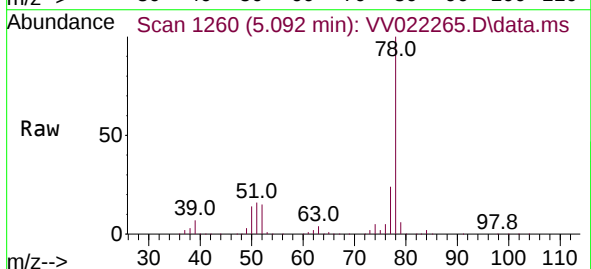
Instrument :  
MSVOA\_V  
ClientSampled :

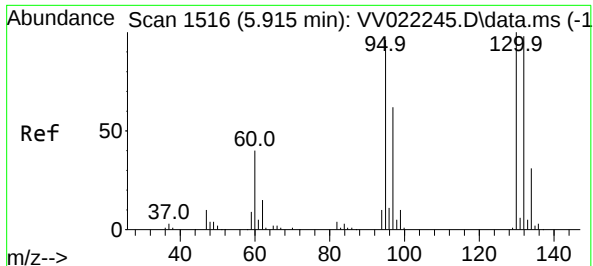
Tgt Ion:117 Resp: 166836  
Ion Ratio Lower Upper  
117 100  
119 95.3 76.6 114.8



#33  
Benzene  
Concen: 49.770 ug/L  
RT: 5.092 min Scan# 1260  
Delta R.T. -0.010 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion: 78 Resp: 503931





#34

Trichloroethene

Concen: 46.014 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. -0.006 min

Lab File: VV022265.D

Acq: 21 Sep 2021 04:38

Tgt Ion: 95 Resp: 131972

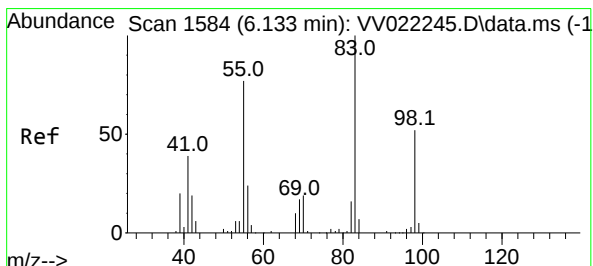
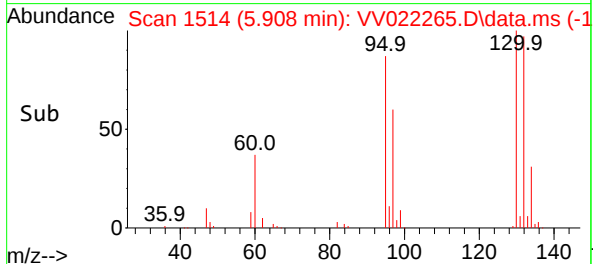
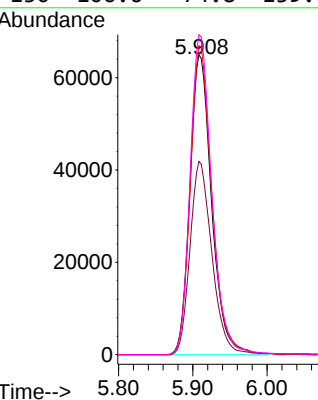
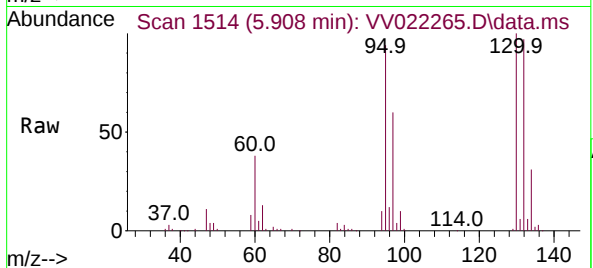
Ion Ratio Lower Upper

95 100

97 64.4 44.1 81.9

132 103.0 70.7 131.3

130 106.6 74.8 139.0



#35

Methylcyclohexane

Concen: 42.720 ug/L

RT: 6.124 min Scan# 1581

Delta R.T. -0.010 min

Lab File: VV022265.D

Acq: 21 Sep 2021 04:38

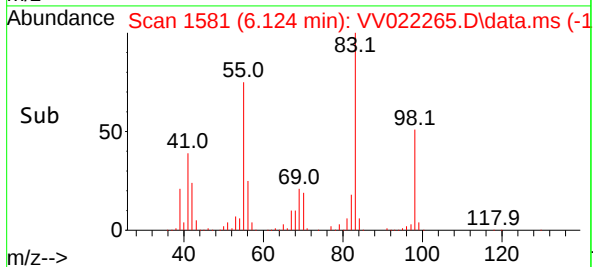
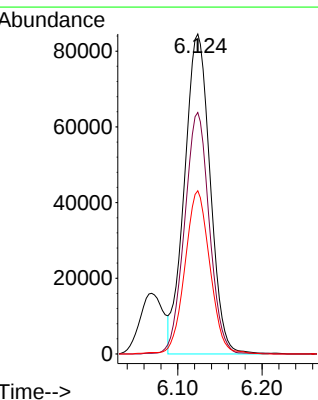
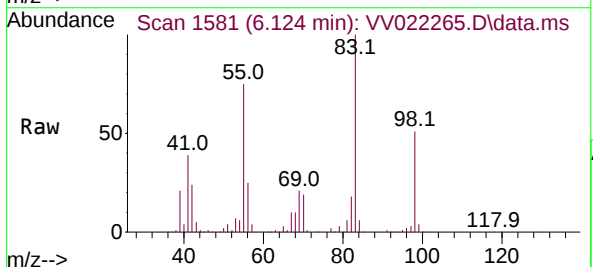
Tgt Ion: 83 Resp: 179119

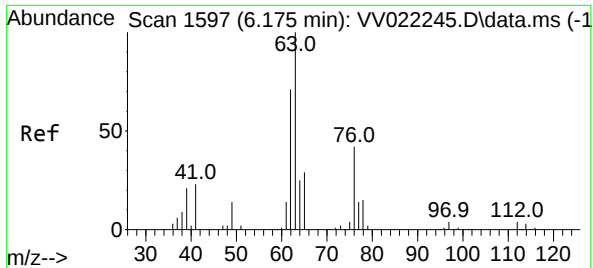
Ion Ratio Lower Upper

83 100

55 72.8 56.8 85.2

98 49.6 39.9 59.9

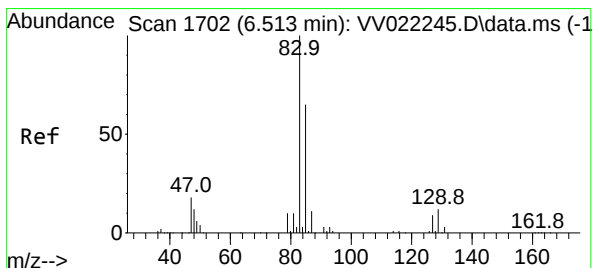
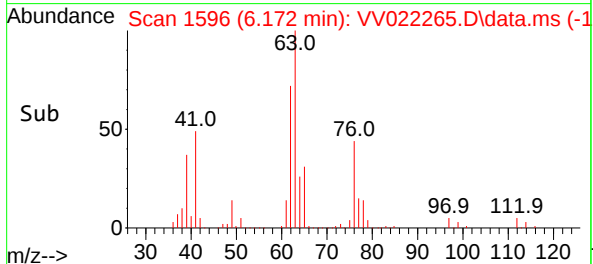
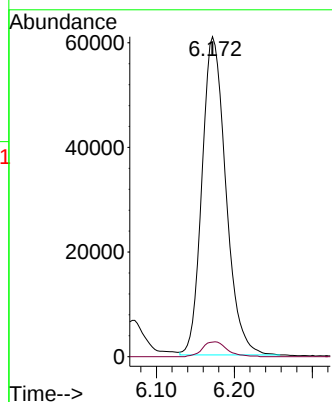
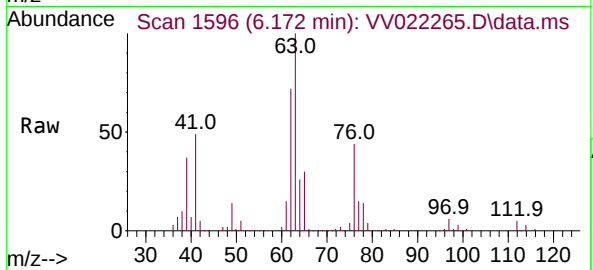




#37  
1,2-Dichloropropane  
Concen: 49.381 ug/L  
RT: 6.172 min Scan# 1596  
Delta R.T. -0.003 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

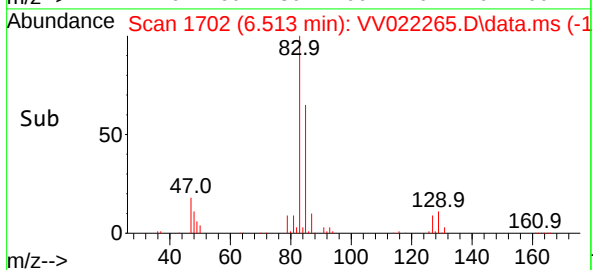
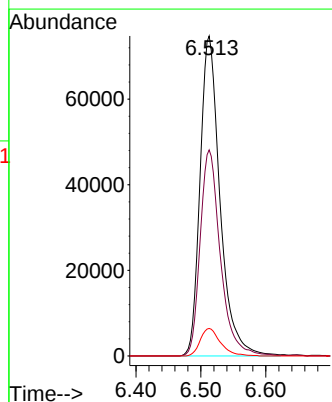
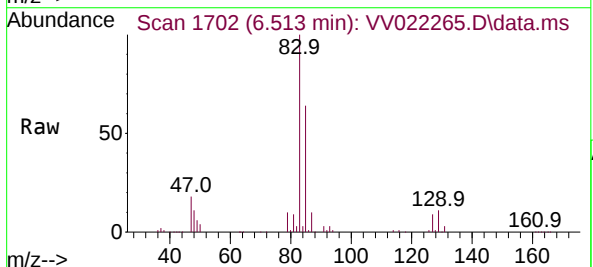
Instrument :  
MSVOA\_V  
ClientSampleId :

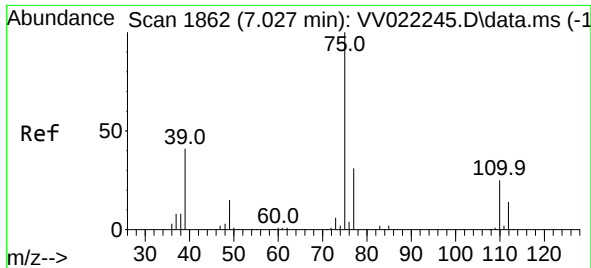
Tgt Ion: 63 Resp: 129609  
Ion Ratio Lower Upper  
63 100  
112 4.8 3.8 5.6



#38  
Bromodichloromethane  
Concen: 47.689 ug/L  
RT: 6.513 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion: 83 Resp: 160069  
Ion Ratio Lower Upper  
83 100  
85 64.4 44.8 83.2  
127 8.6 7.3 10.9

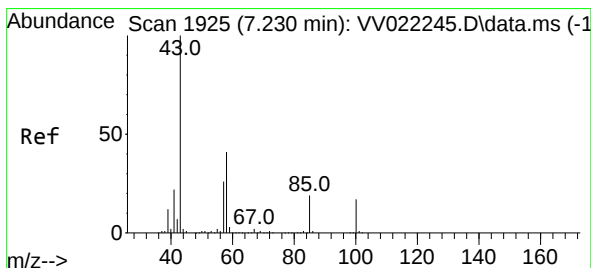
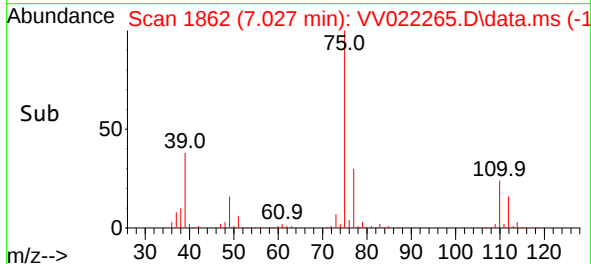
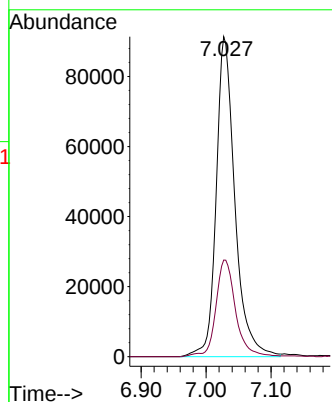
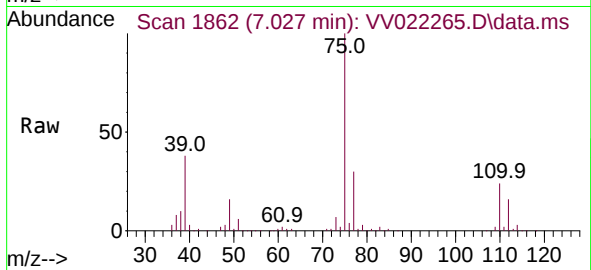




#39  
 cis-1,3-Dichloropropene  
 Concen: 44.916 ug/L  
 RT: 7.027 min Scan# 1862  
 Delta R.T. 0.000 min  
 Lab File: VV022265.D  
 Acq: 21 Sep 2021 04:38

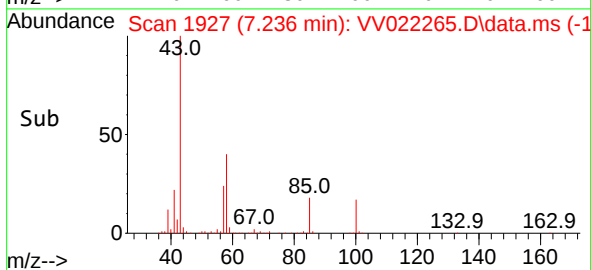
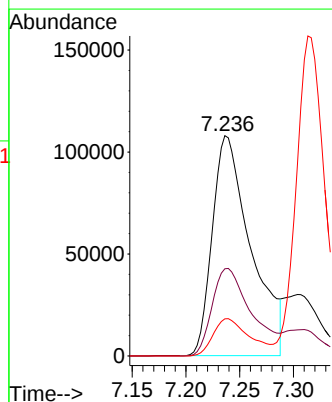
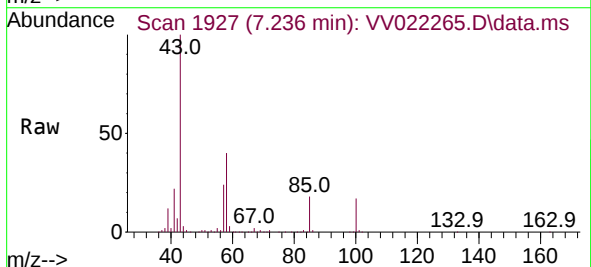
Instrument :  
 MSVOA\_V  
 ClientSampled :

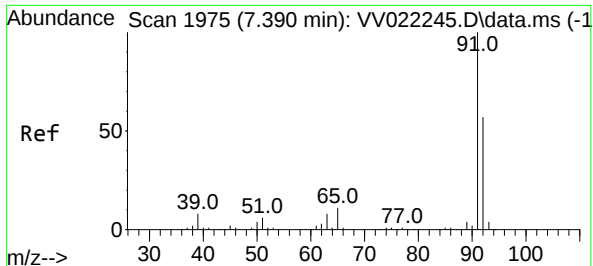
Tgt Ion: 75 Resp: 182012  
 Ion Ratio Lower Upper  
 75 100  
 77 30.2 22.7 42.1



#40  
 4-Methyl-2-pentanone  
 Concen: 75.576 ug/L  
 RT: 7.236 min Scan# 1927  
 Delta R.T. 0.006 min  
 Lab File: VV022265.D  
 Acq: 21 Sep 2021 04:38

Tgt Ion: 43 Resp: 268920  
 Ion Ratio Lower Upper  
 43 100  
 58 40.9 33.3 49.9  
 100 15.9 14.5 21.7





#42

Toluene

Concen: 48.625 ug/L

RT: 7.387 min Scan# 1974

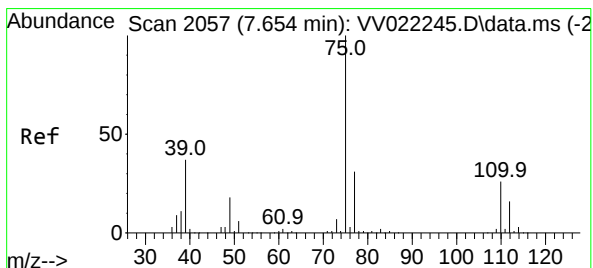
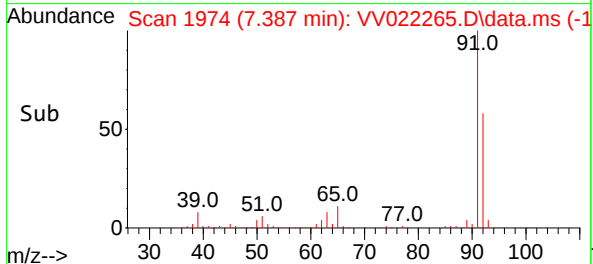
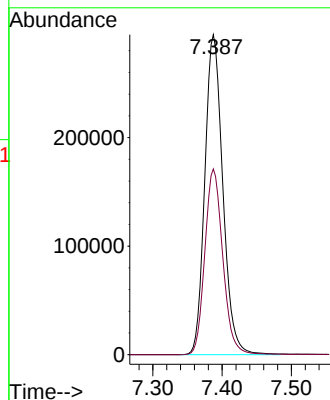
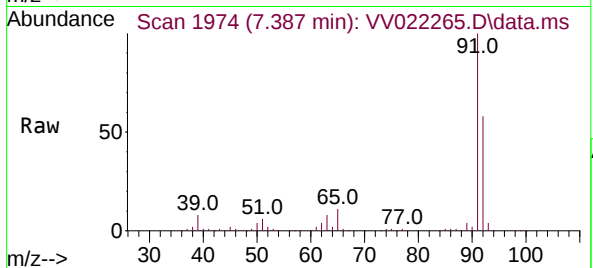
Delta R.T. -0.003 min

Lab File: VV022265.D

Acq: 21 Sep 2021 04:38

Tgt Ion: 91 Resp: 531384

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 58.0  | 40.3  | 74.8  |



#44

trans-1,3-Dichloropropene

Concen: 44.909 ug/L

RT: 7.654 min Scan# 2057

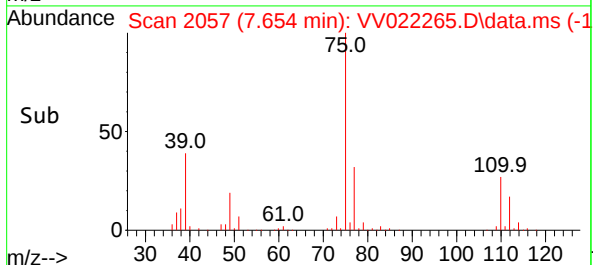
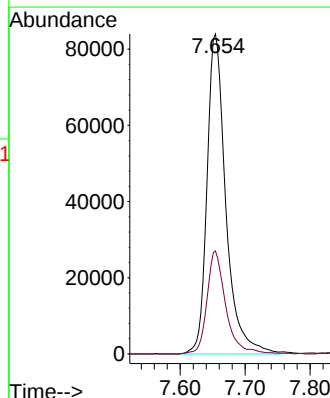
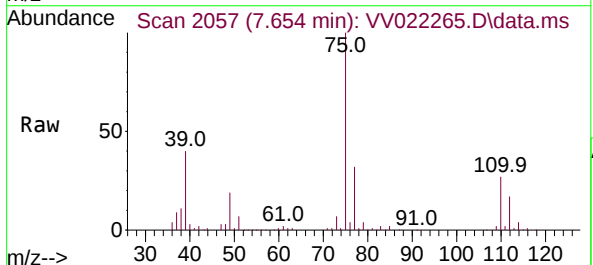
Delta R.T. 0.000 min

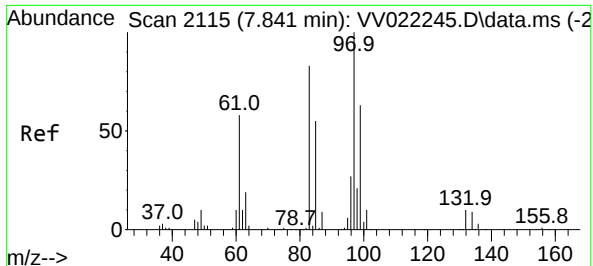
Lab File: VV022265.D

Acq: 21 Sep 2021 04:38

Tgt Ion: 75 Resp: 169372

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.2  | 21.8  | 40.6  |





#45

1,1,2-Trichloroethane

Concen: 49.855 ug/L

RT: 7.844 min Scan# 2116

Delta R.T. 0.003 min

Lab File: VV022265.D

Acq: 21 Sep 2021 04:38

Tgt Ion: 97 Resp: 133141

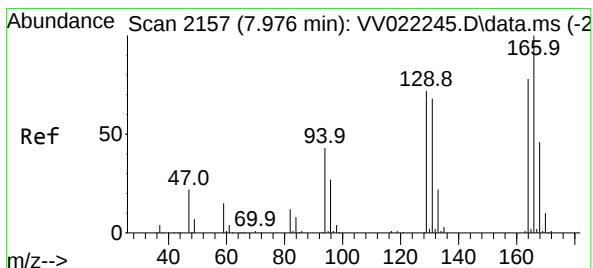
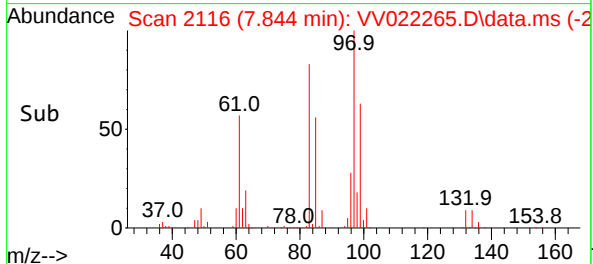
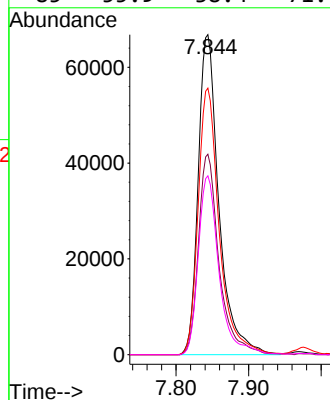
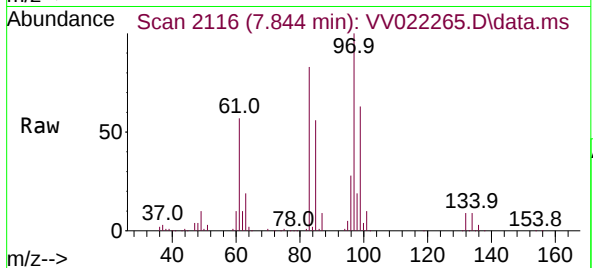
Ion Ratio Lower Upper

97 100

99 62.7 43.8 81.4

83 83.3 58.8 109.2

85 55.9 38.4 71.4



#46

Tetrachloroethene

Concen: 45.164 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.000 min

Lab File: VV022265.D

Acq: 21 Sep 2021 04:38

Tgt Ion:164 Resp: 100721

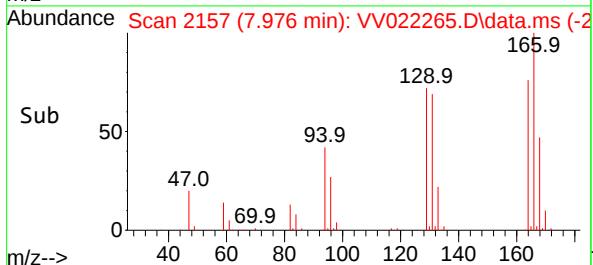
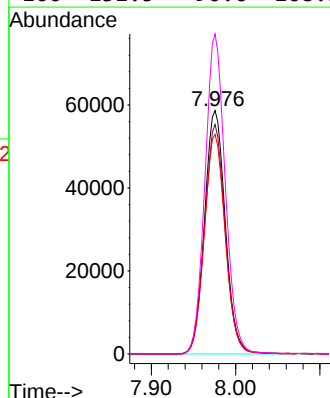
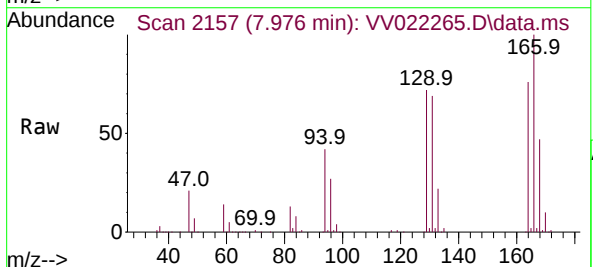
Ion Ratio Lower Upper

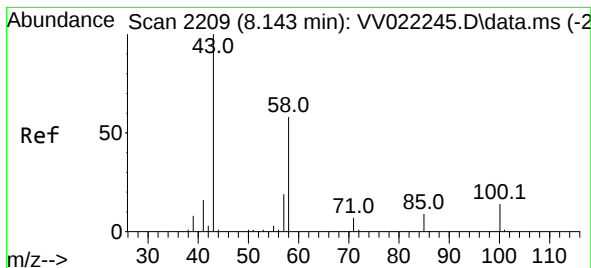
164 100

129 94.3 62.9 116.9

131 90.2 61.0 113.4

166 131.5 90.6 168.3





#48

2-Hexanone

Concen: 46.383 ug/L

RT: 8.149 min Scan# 2211

Delta R.T. 0.006 min

Lab File: VV022265.D

Acq: 21 Sep 2021 04:38

Tgt Ion: 43 Resp: 128054

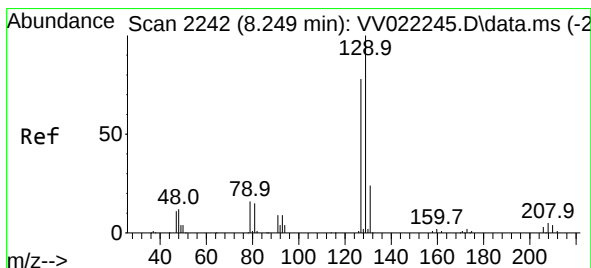
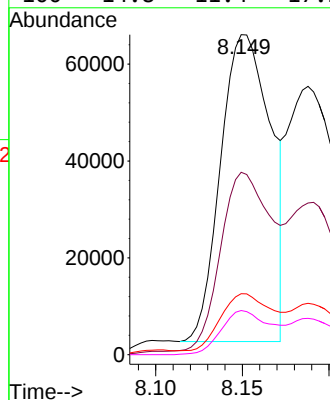
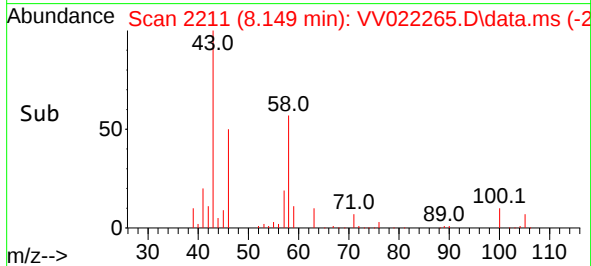
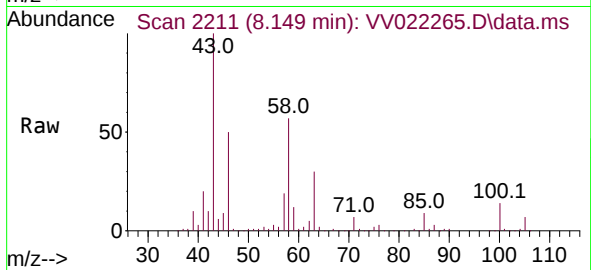
Ion Ratio Lower Upper

43 100

58 61.7 47.5 71.3

57 19.6 15.9 23.9

100 14.8 11.4 17.2



#49

Dibromochloromethane

Concen: 47.297 ug/L

RT: 8.249 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VV022265.D

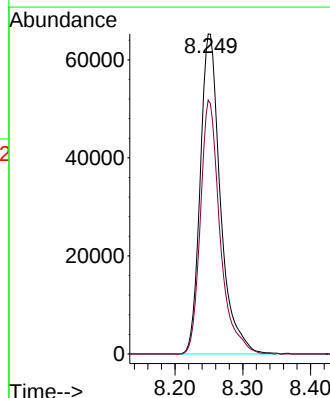
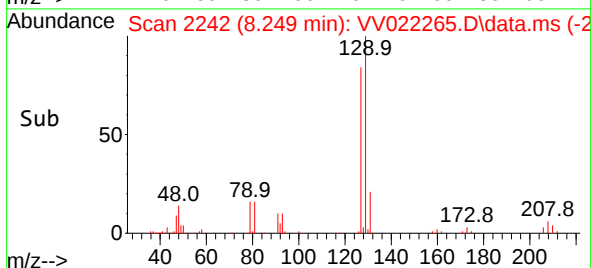
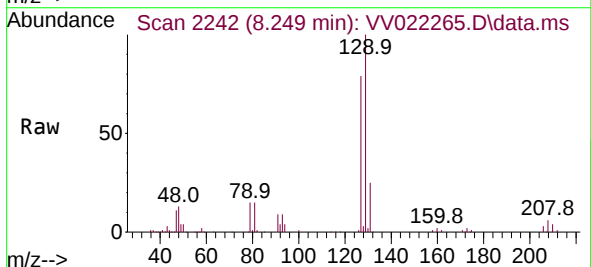
Acq: 21 Sep 2021 04:38

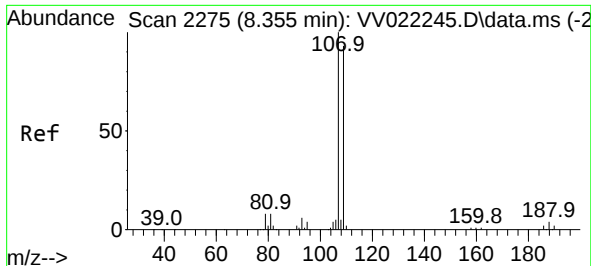
Tgt Ion: 129 Resp: 135204

Ion Ratio Lower Upper

129 100

127 79.4 54.1 100.5

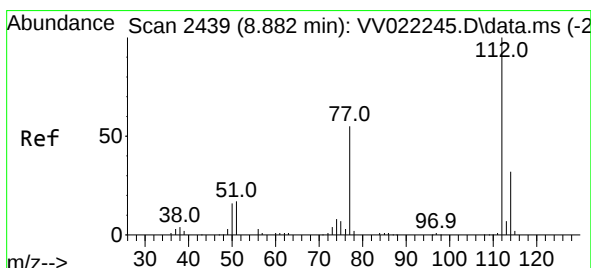
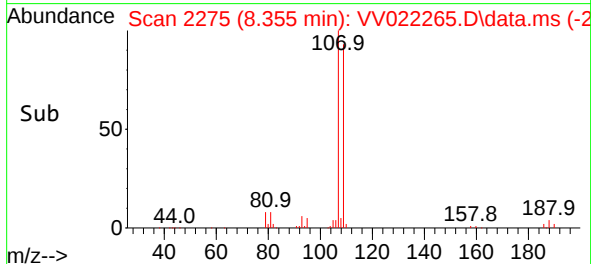
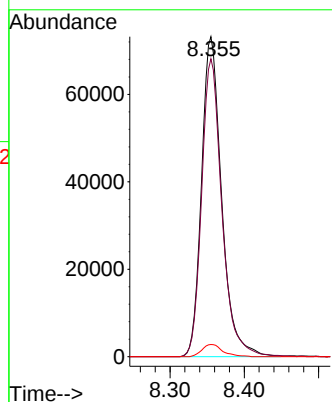
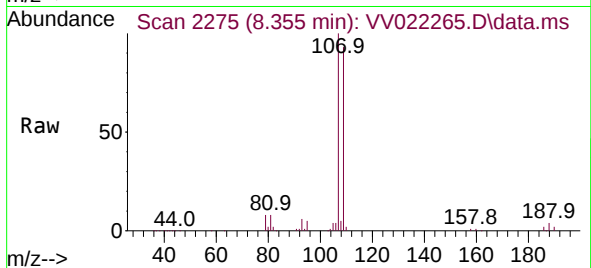




#50  
1,2-Dibromoethane  
Concen: 48.021 ug/L  
RT: 8.355 min Scan# 2275  
Delta R.T. 0.000 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

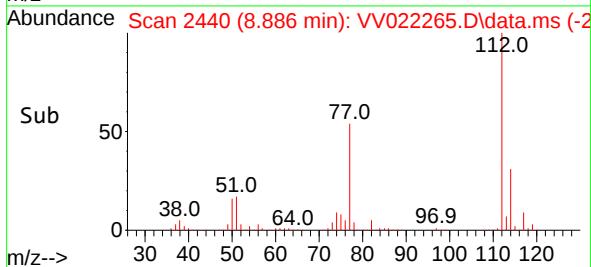
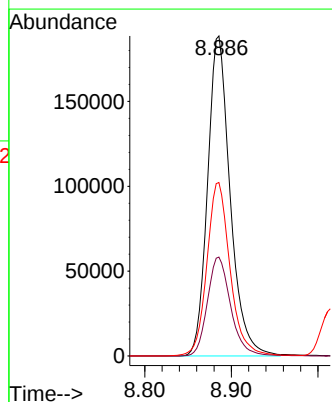
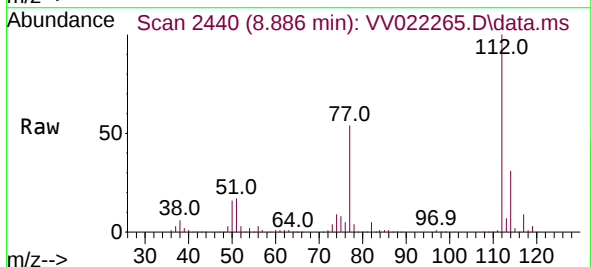
Instrument :  
MSVOA\_V  
ClientSampleId :

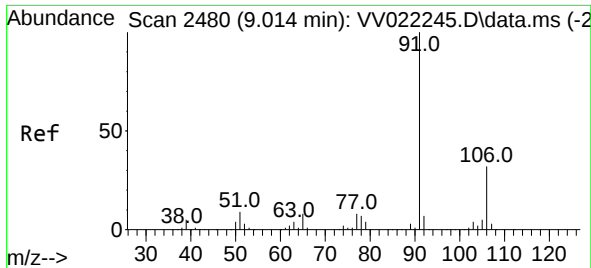
Tgt Ion:107 Resp: 137636  
Ion Ratio Lower Upper  
107 100  
109 93.1 65.5 121.6  
188 3.8 3.2 4.8



#51  
Chlorobenzene  
Concen: 46.502 ug/L  
RT: 8.886 min Scan# 2440  
Delta R.T. 0.003 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion:112 Resp: 341668  
Ion Ratio Lower Upper  
112 100  
114 30.9 22.0 41.0  
77 54.2 43.2 64.8

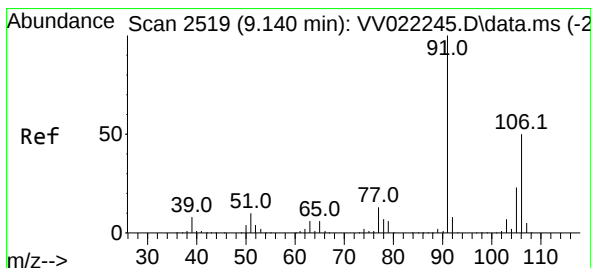
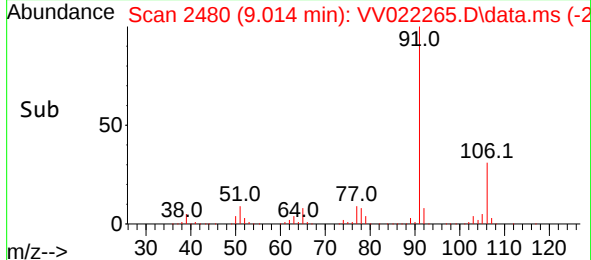
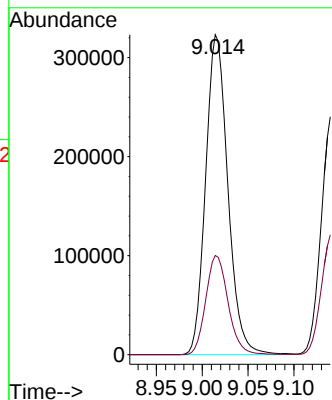
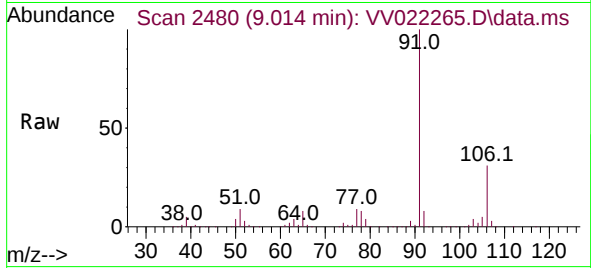




#52  
Ethylbenzene  
Concen: 46.096 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. 0.000 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

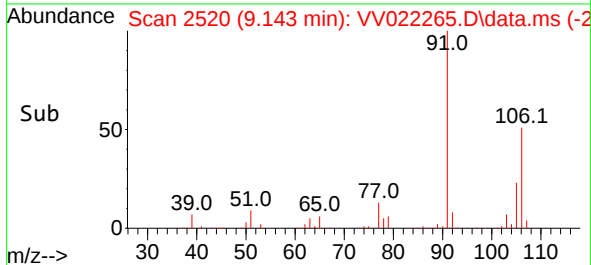
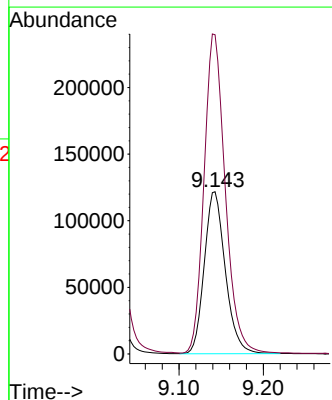
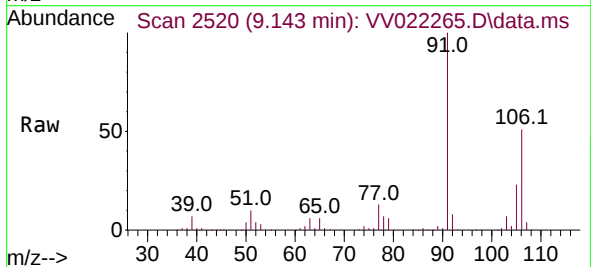
Instrument :  
MSVOA\_V  
ClientSampled :

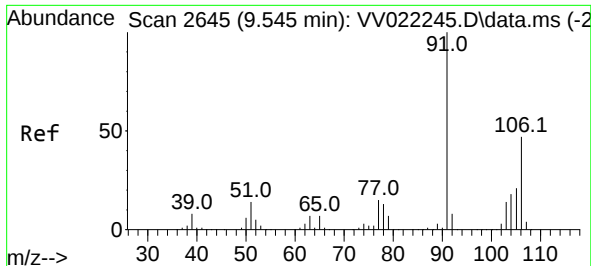
Tgt Ion: 91 Resp: 545308  
Ion Ratio Lower Upper  
91 100  
106 31.0 21.7 40.3



#53  
m,p-Xylene  
Concen: 45.927 ug/L  
RT: 9.143 min Scan# 2520  
Delta R.T. 0.003 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion: 106 Resp: 211175  
Ion Ratio Lower Upper  
106 100  
91 196.7 139.1 258.3

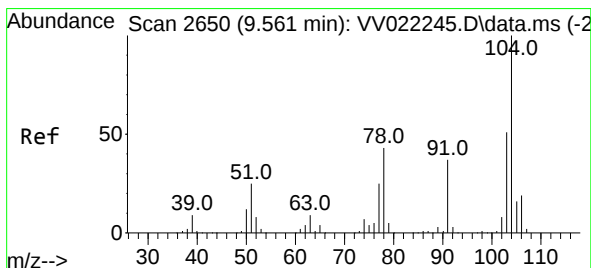
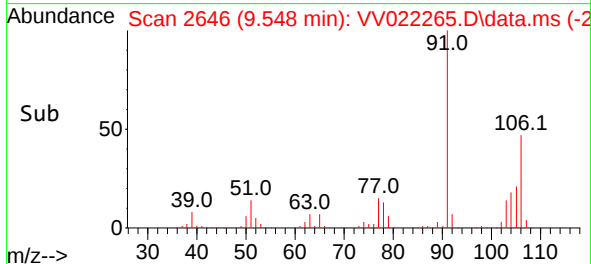
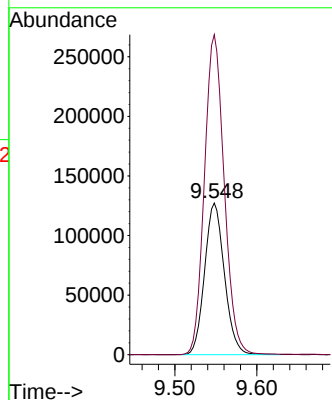
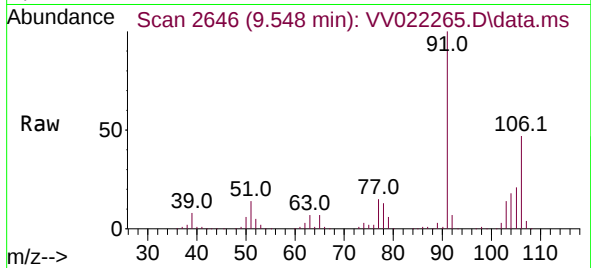




#54  
o-Xylene  
Concen: 46.920 ug/L  
RT: 9.548 min Scan# 2646  
Delta R.T. 0.003 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

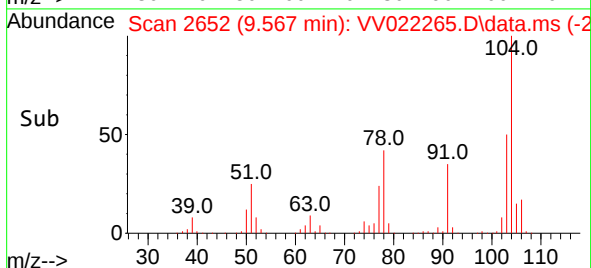
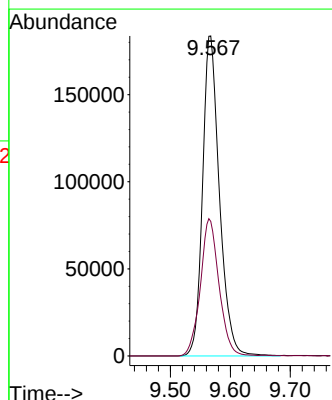
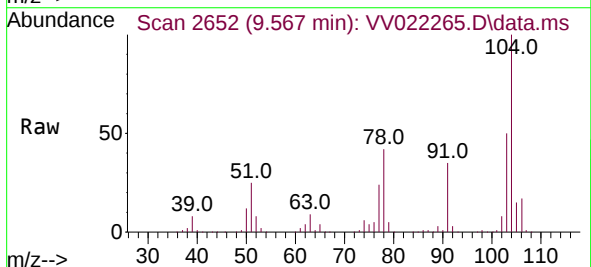
Instrument :  
MSVOA\_V  
ClientSampled :

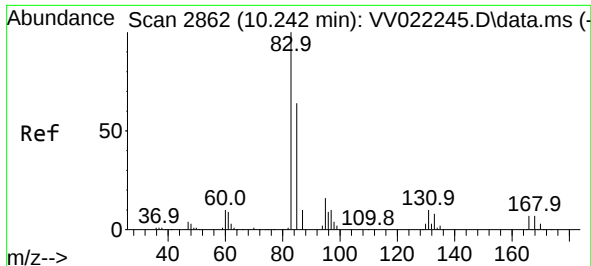
Tgt Ion:106 Resp: 213465  
Ion Ratio Lower Upper  
106 100  
91 210.9 150.1 278.9



#55  
Styrene  
Concen: 46.364 ug/L  
RT: 9.567 min Scan# 2652  
Delta R.T. 0.006 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion:104 Resp: 359974  
Ion Ratio Lower Upper  
104 100  
78 42.1 28.6 53.2

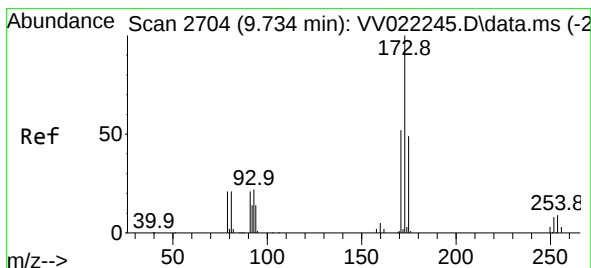
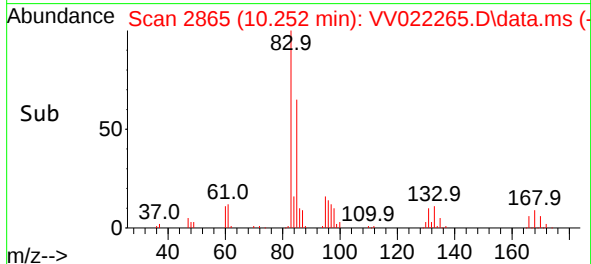
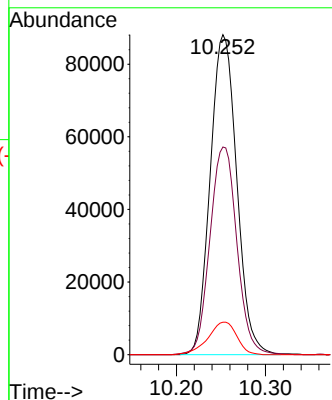
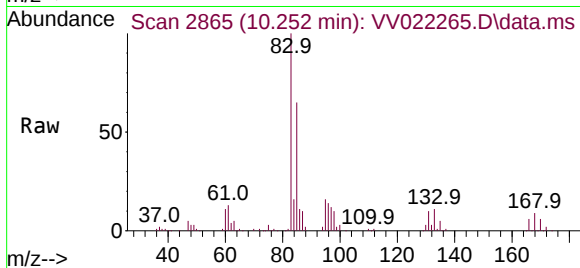




#57  
1,1,2,2-Tetrachloroethane  
Concen: 47.190 ug/L  
RT: 10.252 min Scan# 2865  
Delta R.T. 0.010 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

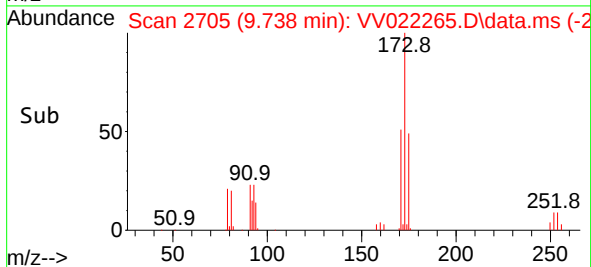
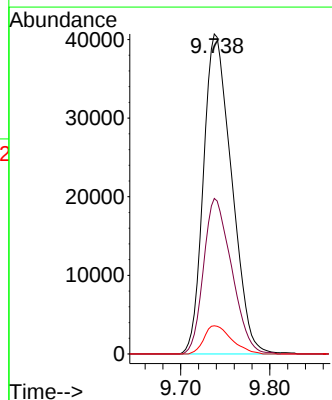
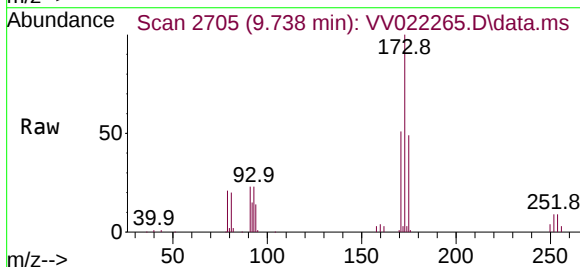
Instrument :  
MSVOA\_V  
ClientSampleId :

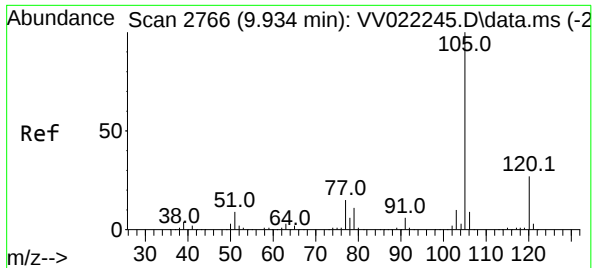
Tgt Ion: 83 Resp: 182594  
Ion Ratio Lower Upper  
83 100  
85 64.9 44.7 83.1  
131 10.1 8.2 12.2



#59  
Bromoform  
Concen: 49.938 ug/L  
RT: 9.738 min Scan# 2705  
Delta R.T. 0.003 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion: 173 Resp: 89331  
Ion Ratio Lower Upper  
173 100  
175 48.4 38.8 58.2  
254 8.6 7.0 10.4

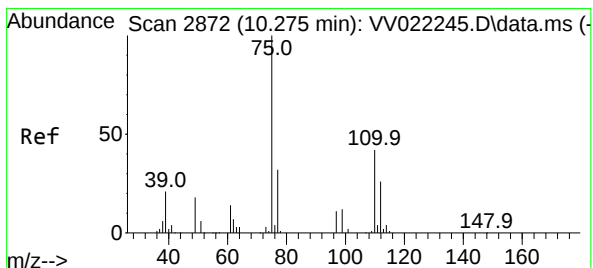
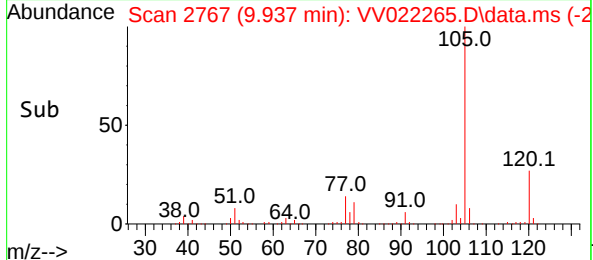
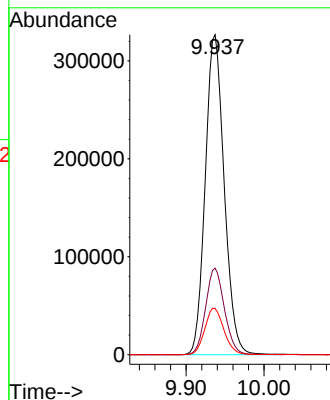
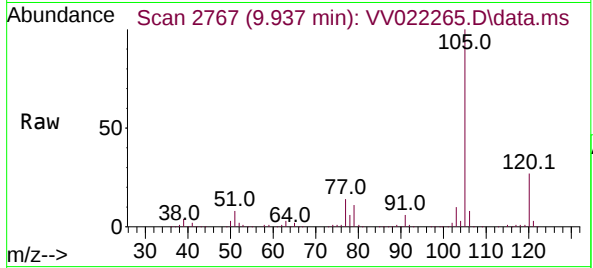




#60  
Isopropylbenzene  
Concen: 52.099 ug/L  
RT: 9.937 min Scan# 2767  
Delta R.T. 0.003 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

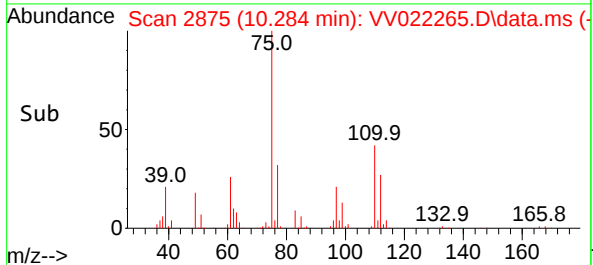
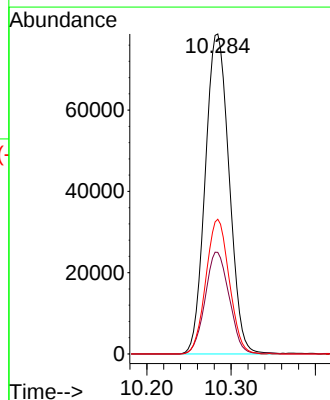
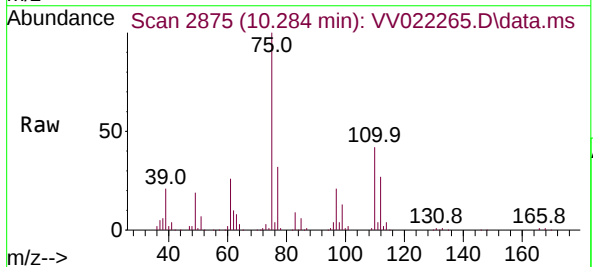
Instrument :  
MSVOA\_V  
ClientSampled :

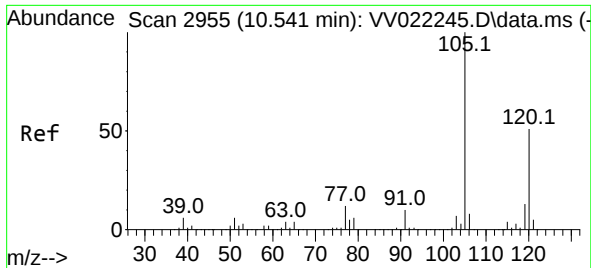
Tgt Ion:105 Resp: 551357  
Ion Ratio Lower Upper  
105 100  
120 26.8 21.5 32.3  
77 14.7 11.8 17.6



#61  
1,2,3-Trichloropropane  
Concen: 53.243 ug/L  
RT: 10.284 min Scan# 2875  
Delta R.T. 0.010 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion: 75 Resp: 155417  
Ion Ratio Lower Upper  
75 100  
77 31.9 26.2 39.2  
110 41.1 33.8 50.6

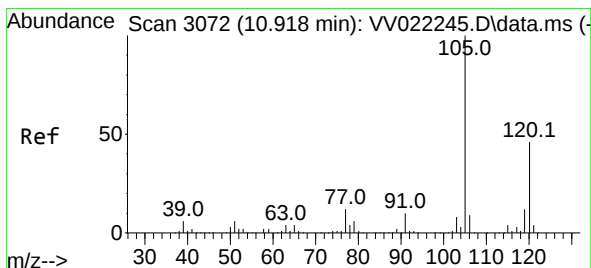
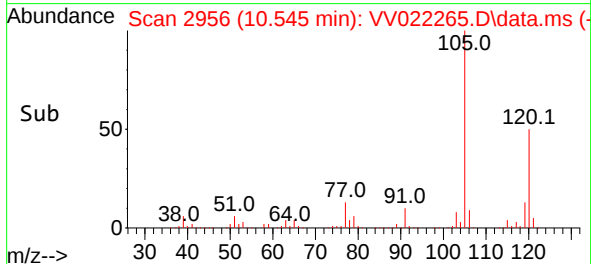
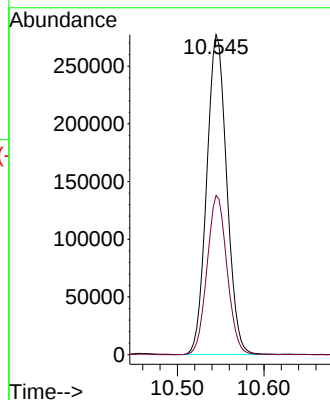
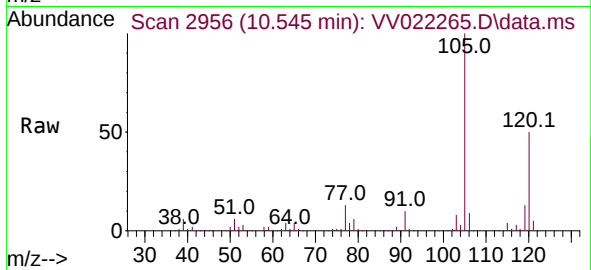




#62  
1,3,5-Trimethylbenzene  
Concen: 50.122 ug/L  
RT: 10.545 min Scan# 2956  
Delta R.T. 0.003 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

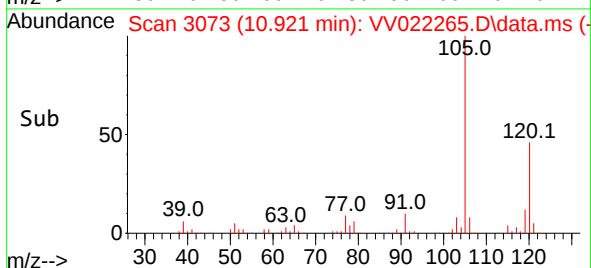
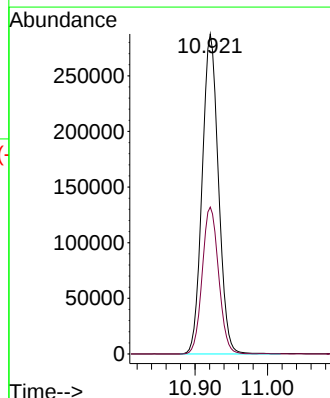
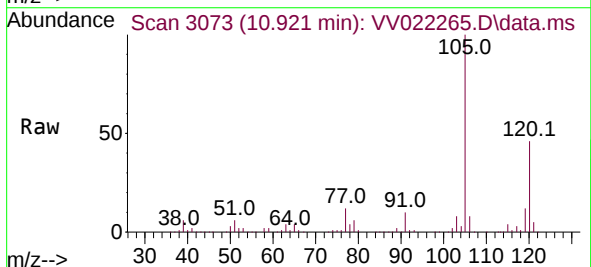
Instrument :  
MSVOA\_V  
ClientSampled :

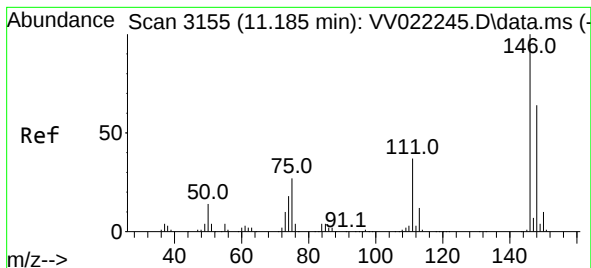
Tgt Ion:105 Resp: 445324  
Ion Ratio Lower Upper  
105 100  
120 49.8 39.6 59.4



#63  
1,2,4-Trimethylbenzene  
Concen: 49.680 ug/L  
RT: 10.921 min Scan# 3073  
Delta R.T. 0.003 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion:105 Resp: 448642  
Ion Ratio Lower Upper  
105 100  
120 46.1 37.4 56.0





#64

1,3-Dichlorobenzene

Concen: 46.005 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.003 min

Lab File: VV022265.D

Acq: 21 Sep 2021 04:38

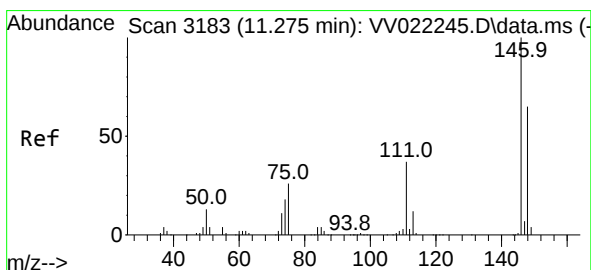
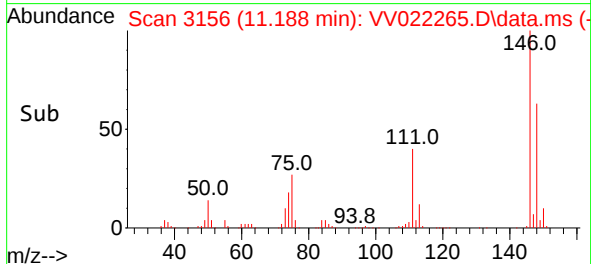
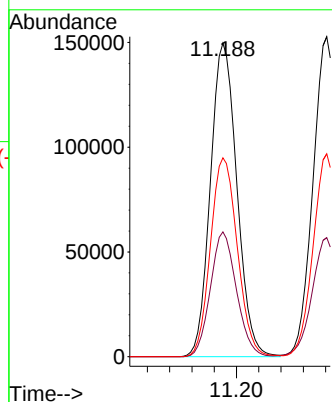
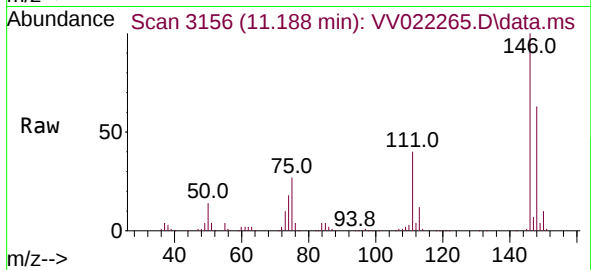
Tgt Ion:146 Resp: 247198

Ion Ratio Lower Upper

146 100

111 39.8 26.9 50.1

148 63.5 45.5 84.5



#65

1,4-Dichlorobenzene

Concen: 45.061 ug/L

RT: 11.281 min Scan# 3185

Delta R.T. 0.006 min

Lab File: VV022265.D

Acq: 21 Sep 2021 04:38

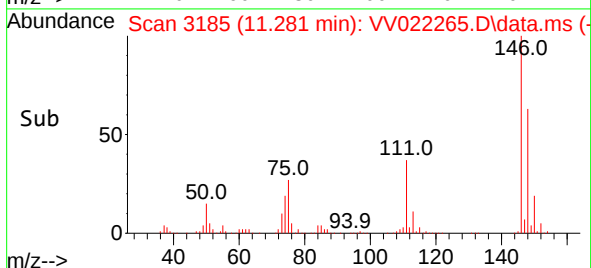
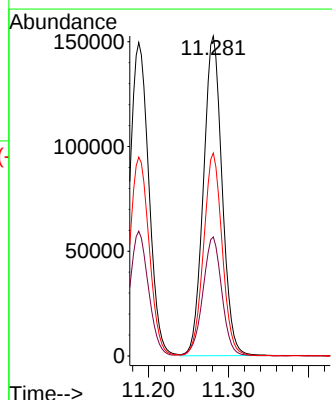
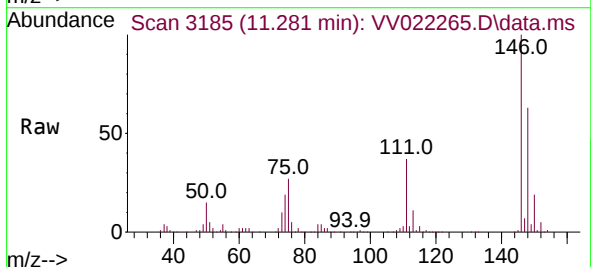
Tgt Ion:146 Resp: 247762

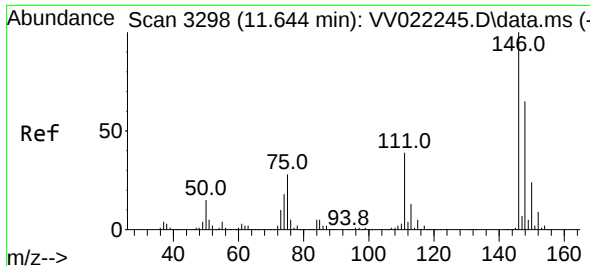
Ion Ratio Lower Upper

146 100

111 37.2 25.3 46.9

148 63.4 44.4 82.5

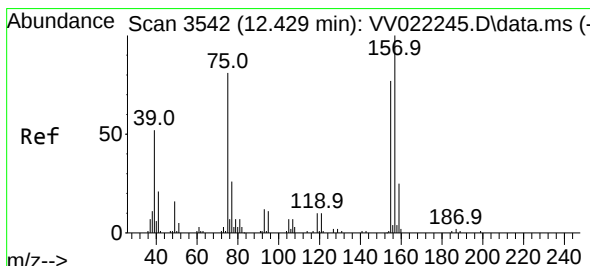
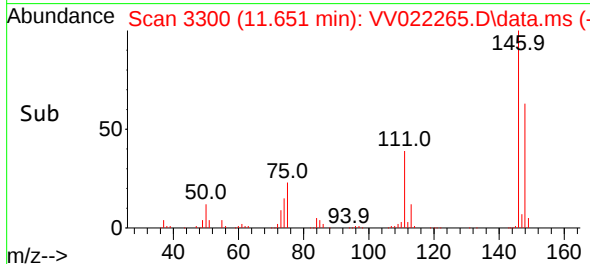
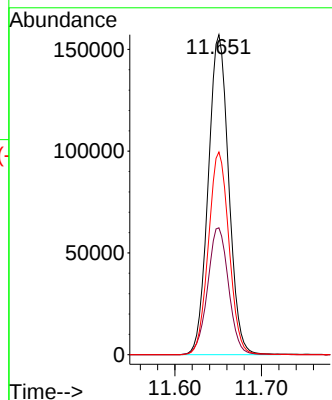
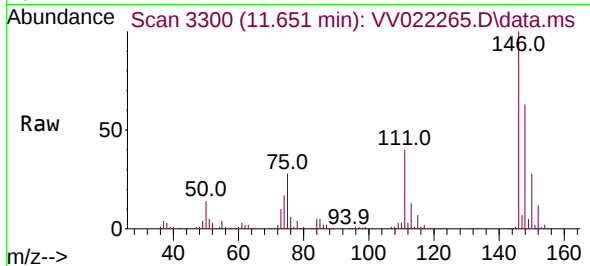




#67  
1,2-Dichlorobenzene  
Concen: 48.320 ug/L  
RT: 11.651 min Scan# 3300  
Delta R.T. 0.006 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

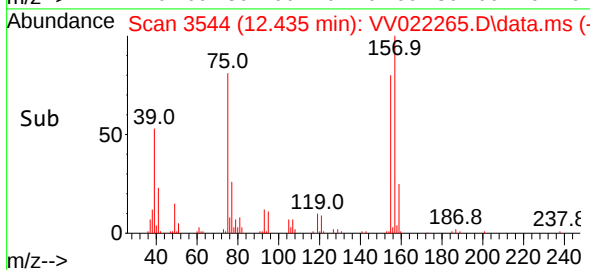
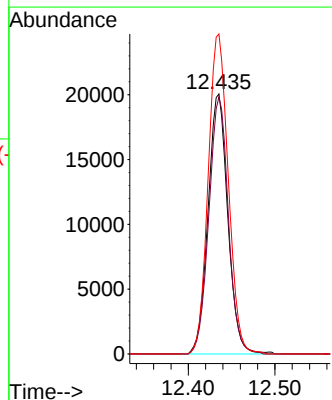
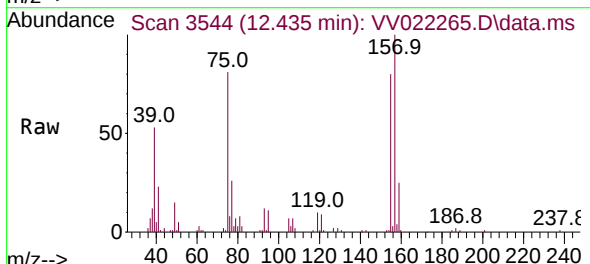
Instrument :  
MSVOA\_V  
ClientSampleId :

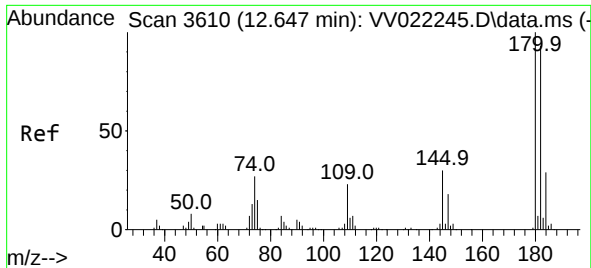
Tgt Ion:146 Resp: 257802  
Ion Ratio Lower Upper  
146 100  
111 39.7 31.6 47.4  
148 63.3 50.6 75.8



#68  
1,2-Dibromo-3-chloropropane  
Concen: 45.288 ug/L  
RT: 12.435 min Scan# 3544  
Delta R.T. 0.006 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

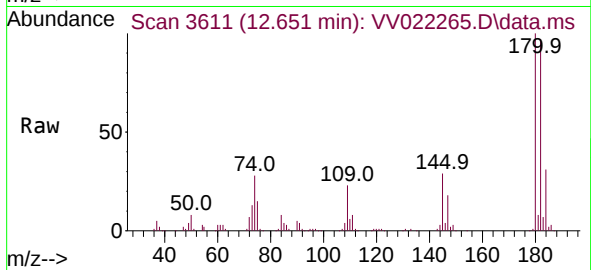
Tgt Ion: 75 Resp: 31860  
Ion Ratio Lower Upper  
75 100  
155 98.8 79.8 119.6  
157 123.0 98.3 147.5



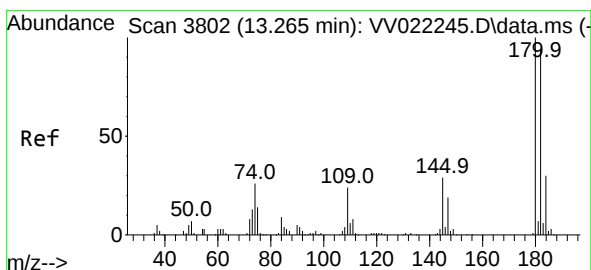
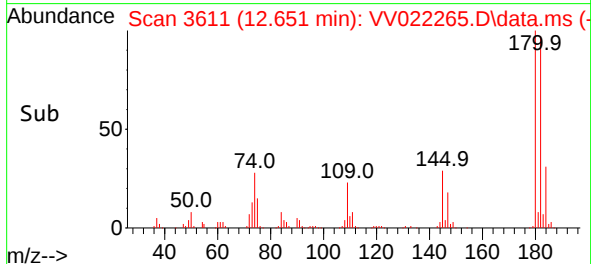
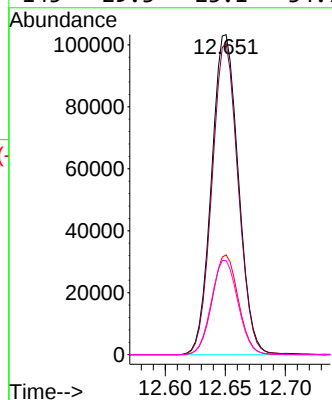


#69  
 1,3,5-Trichlorobenzene  
 Concen: 39.992 ug/L  
 RT: 12.651 min Scan# 3611  
 Delta R.T. 0.003 min  
 Lab File: VV022265.D  
 Acq: 21 Sep 2021 04:38

Instrument :  
 MSVOA\_V  
 ClientSampled :

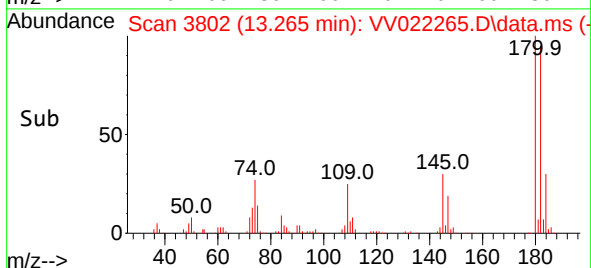
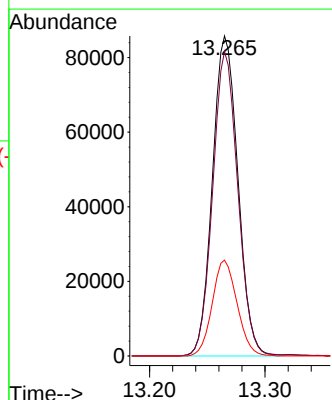
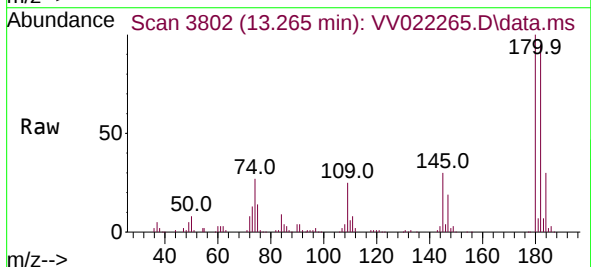


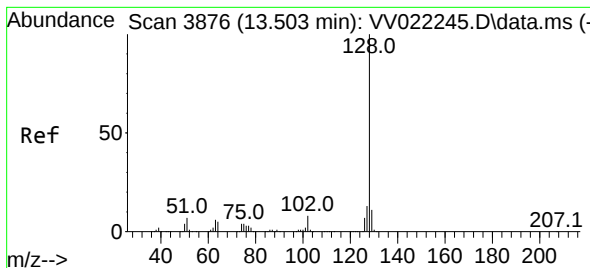
Tgt Ion:180 Resp: 160681  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 76.4 114.6  
 184 30.2 24.0 36.0  
 145 29.3 23.1 34.7



#70  
 1,2,4-trichlorobenzene  
 Concen: 37.160 ug/L  
 RT: 13.265 min Scan# 3802  
 Delta R.T. 0.000 min  
 Lab File: VV022265.D  
 Acq: 21 Sep 2021 04:38

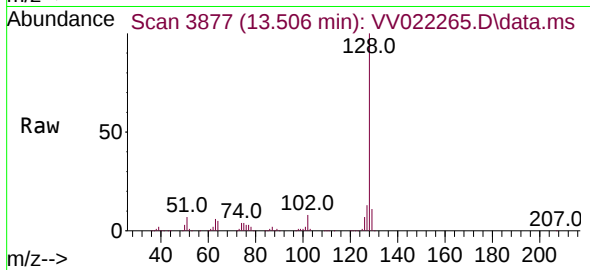
Tgt Ion:180 Resp: 131340  
 Ion Ratio Lower Upper  
 180 100  
 182 93.7 75.9 113.9  
 145 29.2 23.8 35.6



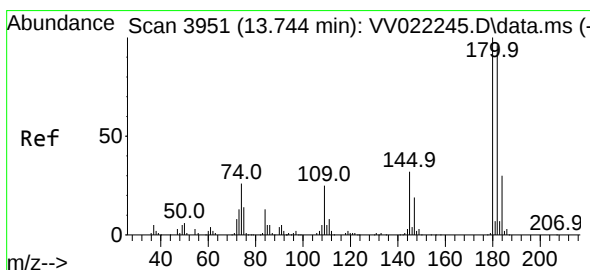
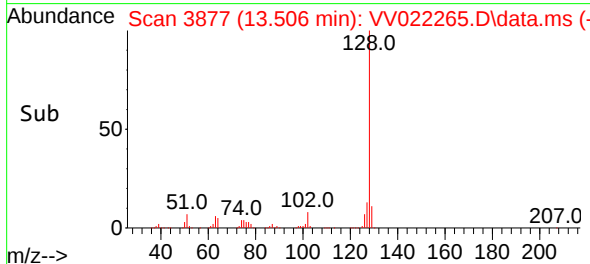
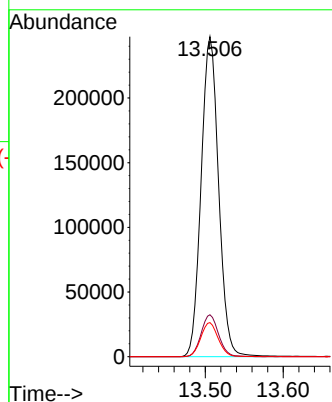


#71  
Naphthalene  
Concen: 37.886 ug/L  
RT: 13.506 min Scan# 3877  
Delta R.T. 0.003 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Instrument :  
MSVOA\_V  
ClientSampled :



Tgt Ion:128 Resp: 385189  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.1 15.1  
129 10.6 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 39.555 ug/L  
RT: 13.747 min Scan# 3952  
Delta R.T. 0.003 min  
Lab File: VV022265.D  
Acq: 21 Sep 2021 04:38

Tgt Ion:180 Resp: 136360  
Ion Ratio Lower Upper  
180 100  
182 94.6 76.3 114.5  
145 31.7 25.4 38.0

