

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV091721\  
 Data File : VV022196.D  
 Acq On : 17 Sep 2021 19:29  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 18 02:59:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 18 02:49:48 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619   | 114   | 305147   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853   | 117   | 296906   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252  | 152   | 153119   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 84799    | 40.128   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 80.260%  |
| 7) Chloroethane-d5            | 1.564   | 69    | 76107    | 46.119   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 92.240%  |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63    | 176355   | 50.462   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 100.920% |
| 21) 2-Butanone-d5             | 3.899   | 46    | 183025   | 126.289  | ug/L   | 0.03     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 126.290% |
| 24) Chloroform-d              | 4.352   | 84    | 206253   | 53.528   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 107.060% |
| 26) 1,2-Dichloroethane-d4     | 5.034   | 65    | 121638   | 53.595   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 107.180% |
| 32) Benzene-d6                | 5.053   | 84    | 403837   | 50.147   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.300% |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67    | 128031   | 50.553   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 101.100% |
| 41) Toluene-d8                | 7.317   | 98    | 379128   | 49.873   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.740%  |
| 43) trans-1,3-Dichloroprop... | 7.625   | 79    | 55006    | 45.633   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.260%  |
| 47) 2-Hexanone-d5             | 8.091   | 63    | 120831   | 124.344  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 124.340% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217  | 84    | 183258   | 56.499   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 113.000% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 151280   | 50.257   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 100.520% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 78849    | 37.591   | ug/L   | 98       |
| 3) Chloromethane              | 1.240   | 50    | 88163    | 39.694   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.307   | 62    | 96657    | 43.177   | ug/L   | 99       |
| 6) Bromomethane               | 1.519   | 94    | 62937    | 46.761   | ug/L   | 99       |
| 8) Chloroethane               | 1.584   | 64    | 65331    | 46.650   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.751   | 101   | 158253   | 49.641   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114   | 101   | 95105    | 50.863   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 89555    | 50.880   | ug/L   | 93       |
| 13) Acetone                   | 2.439   | 43    | 84823    | 69.854   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.291   | 76    | 206543   | 38.889   | ug/L   | 98       |
| 15) Methyl Acetate            | 2.439   | 43    | 135795   | 57.425   | ug/L   | 98       |
| 16) Methylene chloride        | 2.506   | 84    | 118603   | 50.293   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.760   | 96    | 102005   | 47.930   | ug/L   | 100      |
| 18) Methyl tert-butyl Ether   | 2.770   | 73    | 352194   | 52.078   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.191   | 63    | 201037   | 53.038   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.912   | 96    | 118557   | 50.052   | ug/L   | 99       |
| 22) 2-Butanone                | 3.982   | 43    | 192198   | 112.602  | ug/L   | 97       |
| 23) Bromochloromethane        | 4.252   | 128   | 63952    | 50.697   | ug/L   | 99       |
| 25) Chloroform                | 4.378   | 83    | 210593   | 52.485   | ug/L   | 97       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 18 02:59:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 18 02:49:48 2021  
 Response via : Initial Calibration

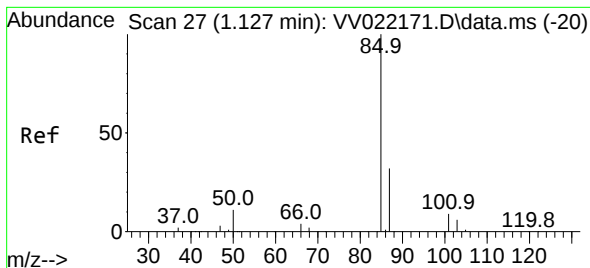
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 152000   | 56.513  | ug/L  | 100      |
| 29) Cyclohexane               | 4.680  | 56   | 145428   | 43.817  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 178804   | 50.671  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 148260   | 48.903  | ug/L  | 100      |
| 33) Benzene                   | 5.101  | 78   | 439179   | 50.841  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 114821   | 46.926  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.133  | 83   | 154222   | 43.114  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 118182   | 52.779  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.513  | 83   | 150157   | 52.437  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 166162   | 48.063  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43   | 356956   | 117.587 | ug/L  | 99       |
| 42) Toluene                   | 7.390  | 91   | 474784   | 50.925  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 160391   | 49.848  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 121891   | 53.500  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.979  | 164  | 87344    | 45.908  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.143  | 43   | 284048   | 120.596 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.249  | 129  | 126310   | 51.792  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 127747   | 52.244  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.882  | 112  | 309473   | 49.371  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.014  | 91   | 498772   | 49.420  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.140  | 106  | 190951   | 48.677  | ug/L  | 96       |
| 54) o-Xylene                  | 9.545  | 106  | 194900   | 50.214  | ug/L  | 98       |
| 55) Styrene                   | 9.561  | 104  | 340867   | 51.460  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.242 | 83   | 190724   | 57.776  | ug/L  | 100      |
| 59) Bromoform                 | 9.734  | 173  | 88012    | 54.119  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.934  | 105  | 507606   | 52.759  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 158268   | 59.639  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.541 | 105  | 418056   | 51.756  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105  | 423778   | 51.617  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 240616   | 49.256  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 243480   | 48.709  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 254095   | 52.386  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 38988    | 60.959  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 170926   | 46.794  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.265 | 180  | 144610   | 45.004  | ug/L  | 99       |
| 71) Naphthalene               | 13.503 | 128  | 475967   | 51.494  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 155673   | 49.670  | ug/L  | 100      |

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

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**

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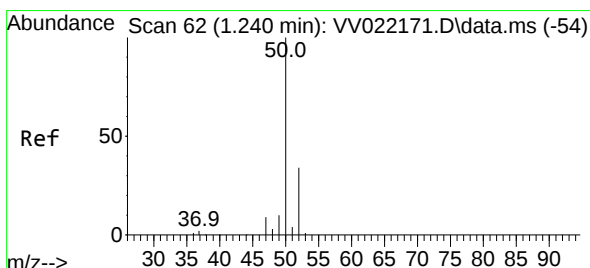
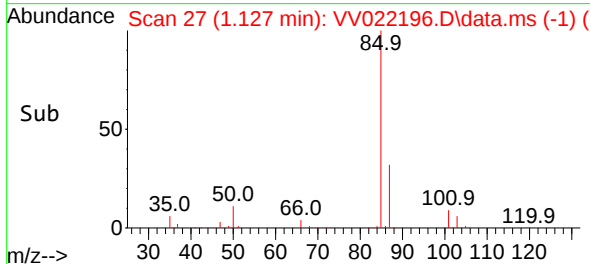
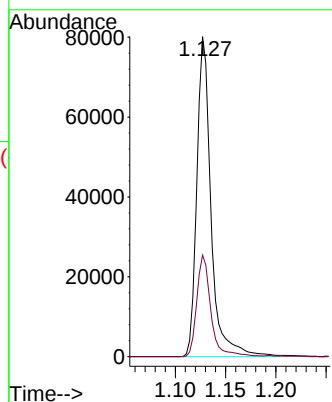
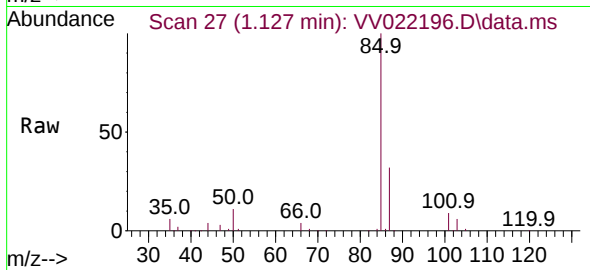




#2  
Dichlorodifluoromethane  
Concen: 37.591 ug/L  
RT: 1.127 min Scan# 27  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

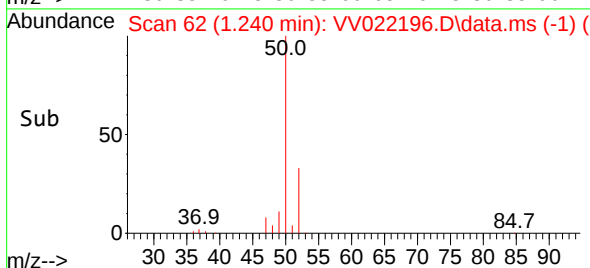
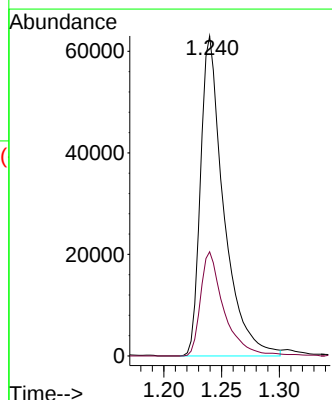
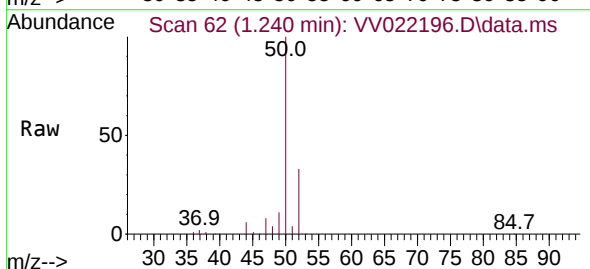
Instrument :  
MSVOA\_V  
ClientSampled :

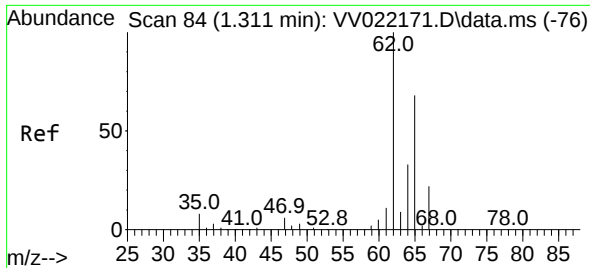
Tgt Ion: 85 Resp: 78849  
Ion Ratio Lower Upper  
85 100  
87 31.4 26.0 39.0



#3  
Chloromethane  
Concen: 39.694 ug/L  
RT: 1.240 min Scan# 62  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion: 50 Resp: 88163  
Ion Ratio Lower Upper  
50 100  
52 32.6 22.5 41.9

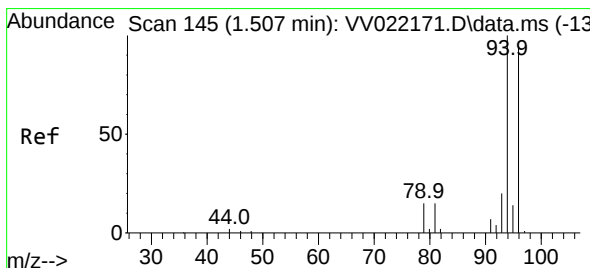
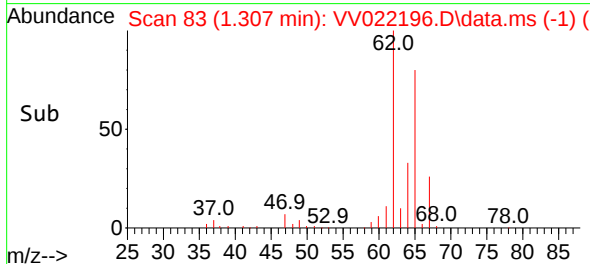
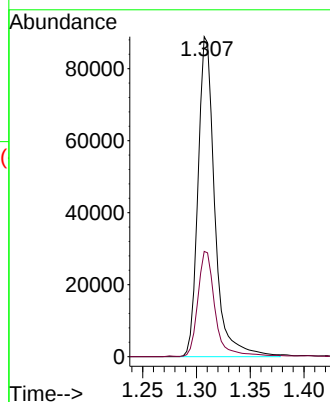
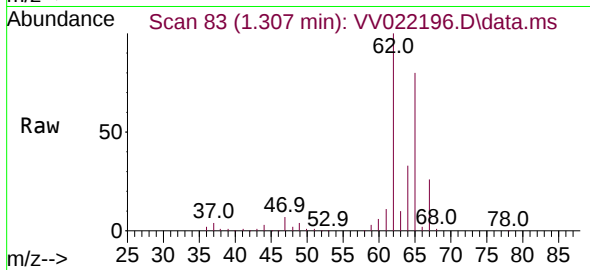




#5  
 Vinyl chloride  
 Concen: 43.177 ug/L  
 RT: 1.307 min Scan# 83  
 Delta R.T. -0.003 min  
 Lab File: VV022196.D  
 Acq: 17 Sep 2021 19:29

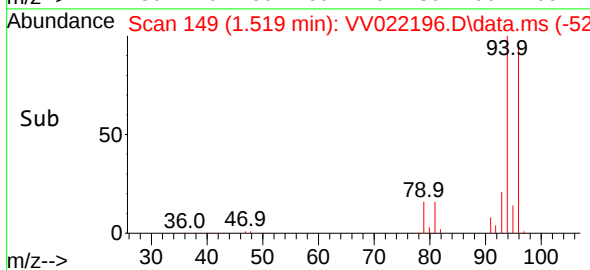
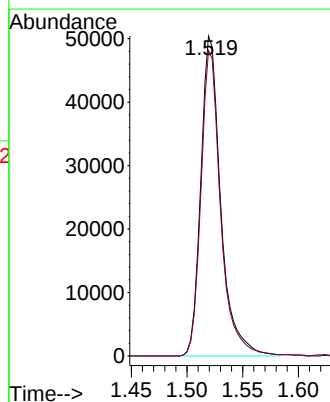
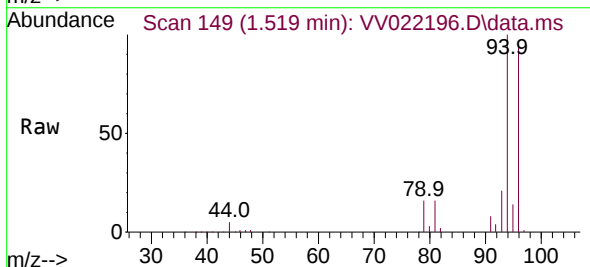
Instrument :  
 MSVOA\_V  
 ClientSampleId :

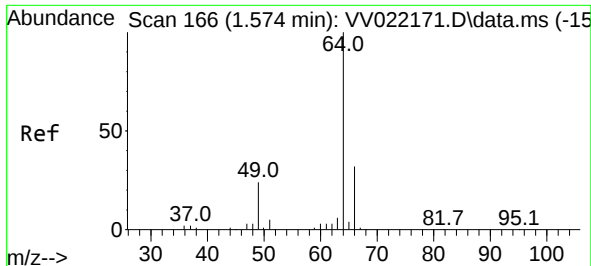
Tgt Ion: 62 Resp: 96657  
 Ion Ratio Lower Upper  
 62 100  
 64 32.9 23.4 43.6



#6  
 Bromomethane  
 Concen: 46.761 ug/L  
 RT: 1.519 min Scan# 149  
 Delta R.T. 0.013 min  
 Lab File: VV022196.D  
 Acq: 17 Sep 2021 19:29

Tgt Ion: 94 Resp: 62937  
 Ion Ratio Lower Upper  
 94 100  
 96 95.4 65.8 122.2

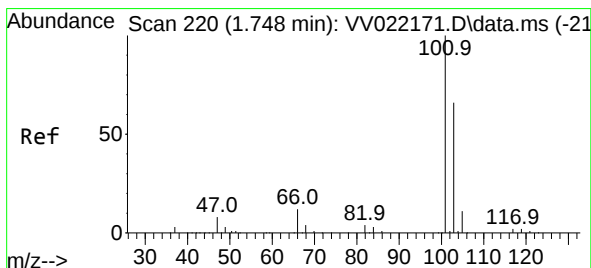
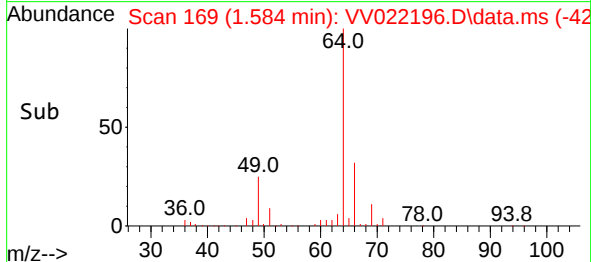
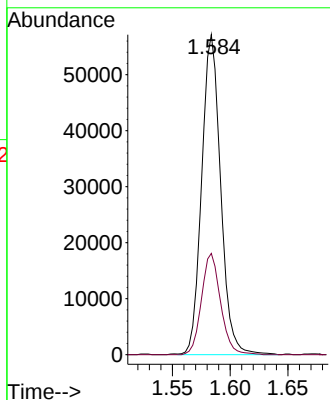
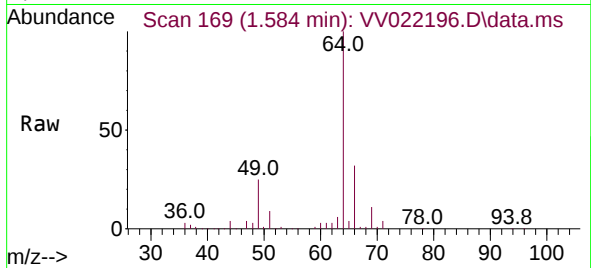




#8  
Chloroethane  
Concen: 46.650 ug/L  
RT: 1.584 min Scan# 169  
Delta R.T. 0.009 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

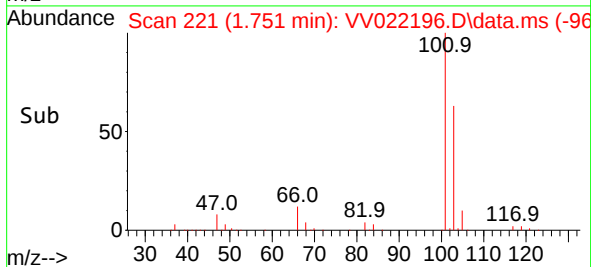
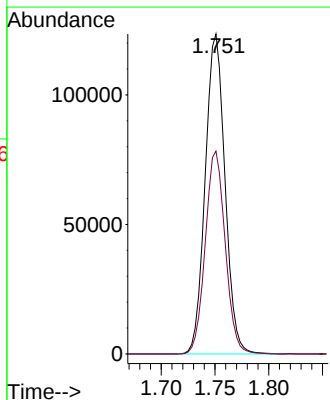
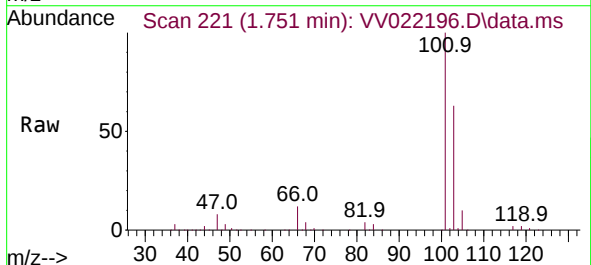
Instrument :  
MSVOA\_V  
ClientSampled :

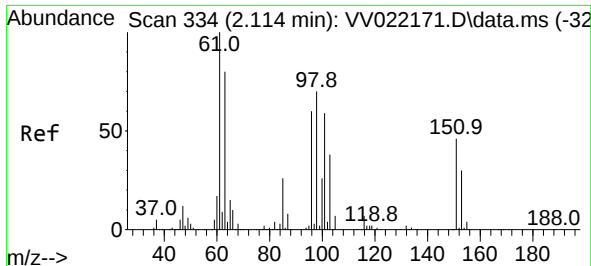
Tgt Ion: 64 Resp: 65331  
Ion Ratio Lower Upper  
64 100  
66 31.6 22.7 42.3



#9  
Trichlorofluoromethane  
Concen: 49.641 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion:101 Resp: 158253  
Ion Ratio Lower Upper  
101 100  
103 64.0 51.4 77.0

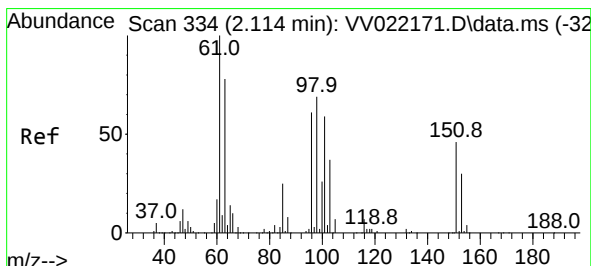
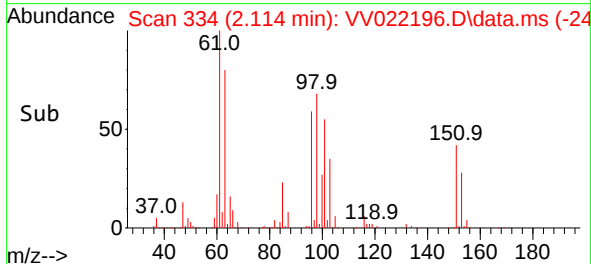
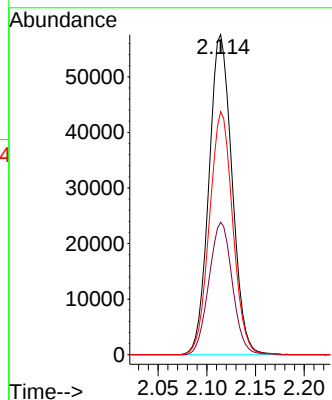
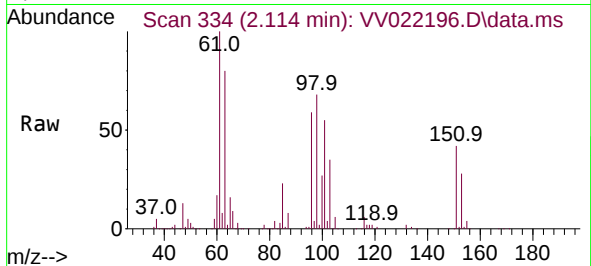




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 50.863 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. -0.000 min  
 Lab File: VV022196.D  
 Acq: 17 Sep 2021 19:29

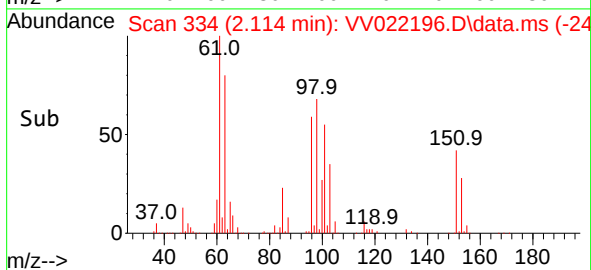
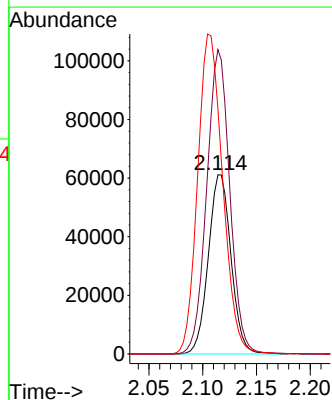
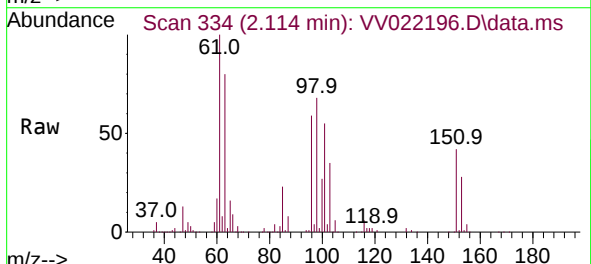
Instrument :  
 MSVOA\_V  
 ClientSampleId :

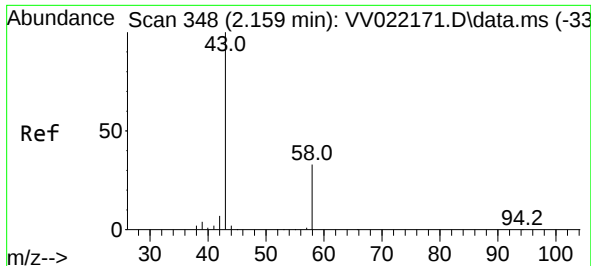
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|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 95105 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 41.9  | 33.4  | 50.0  |
| 151      | 76.5  | 61.7  | 92.5  |



#12  
 1,1-Dichloroethene  
 Concen: 50.880 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. -0.000 min  
 Lab File: VV022196.D  
 Acq: 17 Sep 2021 19:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 89555 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 169.9 | 113.2 | 210.2 |
| 63       | 136.5 | 102.3 | 189.9 |

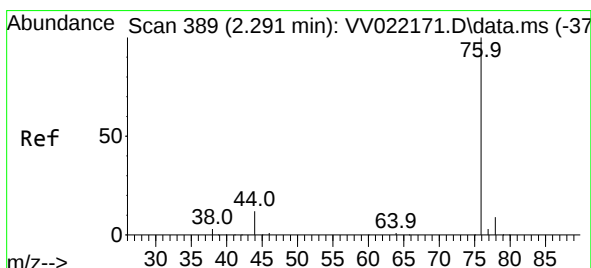
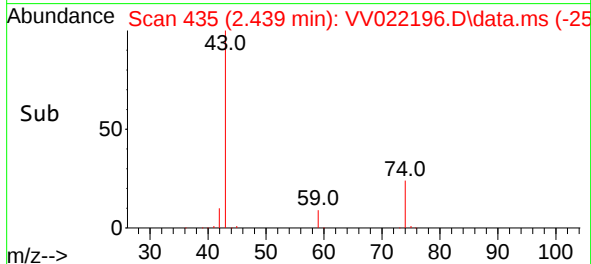
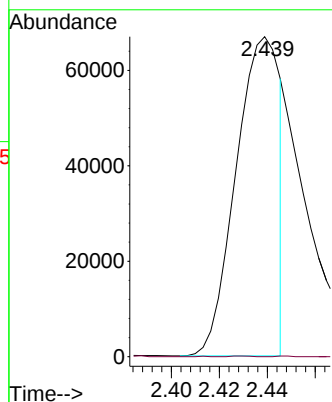
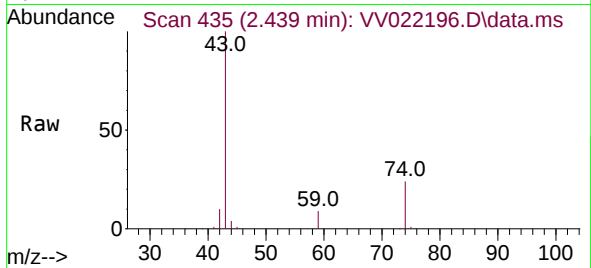




#13  
Acetone  
Concen: 69.854 ug/L  
RT: 2.439 min Scan# 435  
Delta R.T. 0.280 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

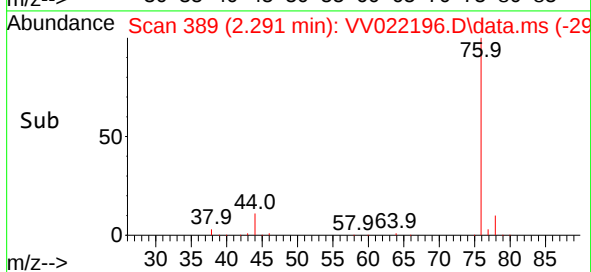
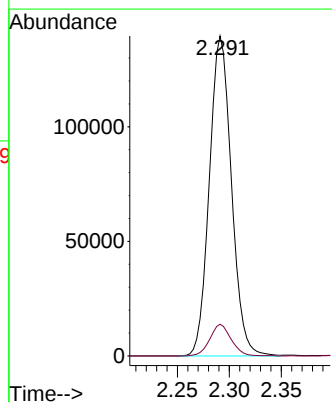
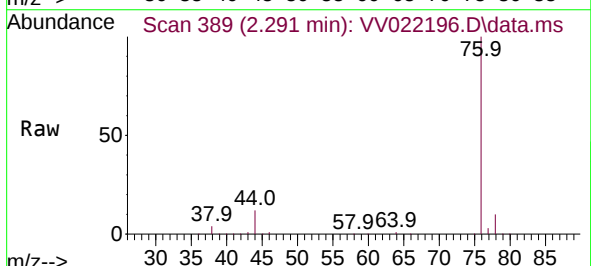
Instrument :  
MSVOA\_V  
ClientSampled :

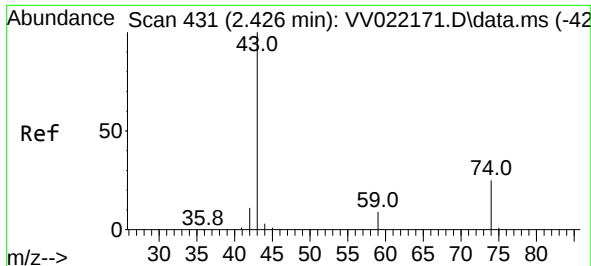
Tgt Ion: 43 Resp: 84823  
Ion Ratio Lower Upper  
43 100  
58 0.1 0.0 0.4



#14  
Carbon disulfide  
Concen: 38.889 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion: 76 Resp: 206543  
Ion Ratio Lower Upper  
76 100  
78 9.9 7.4 11.2

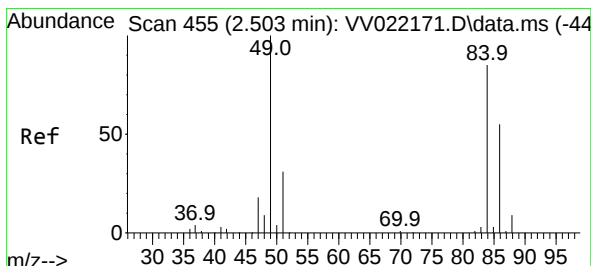
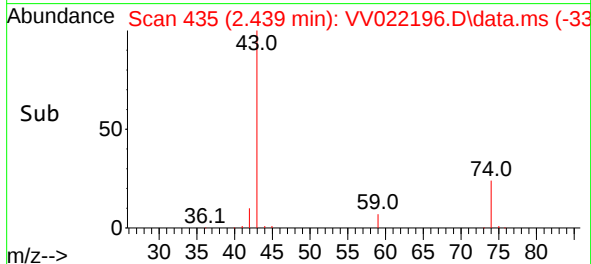
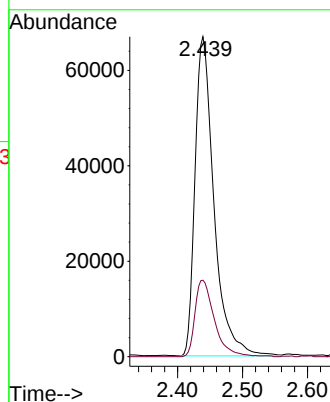
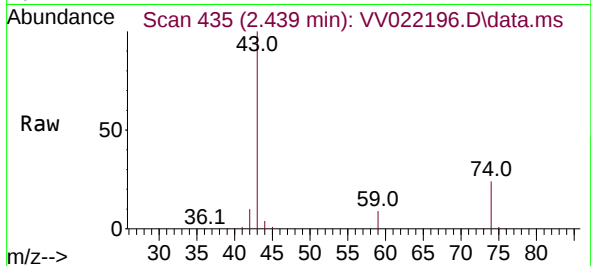




#15  
Methyl Acetate  
Concen: 57.425 ug/L  
RT: 2.439 min Scan# 435  
Delta R.T. 0.013 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

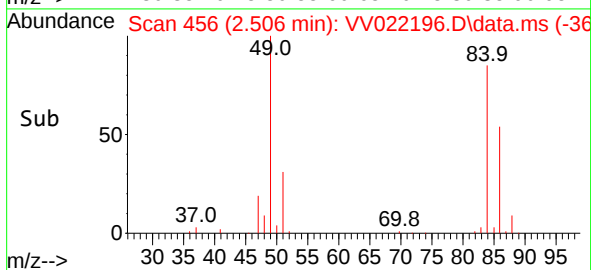
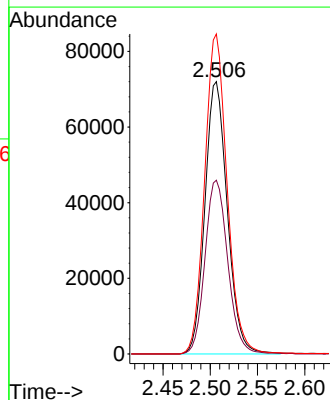
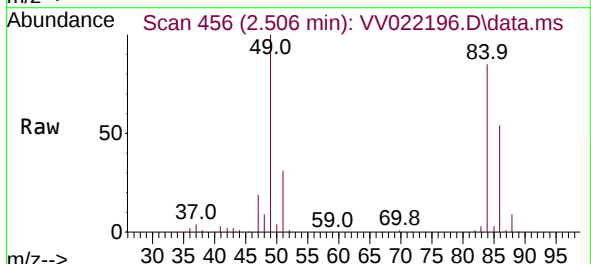
Instrument :  
MSVOA\_V  
ClientSampled :

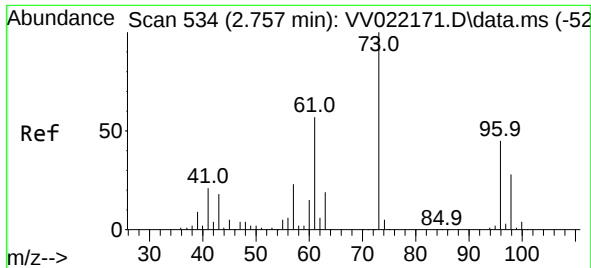
Tgt Ion: 43 Resp: 135795  
Ion Ratio Lower Upper  
43 100  
74 24.4 20.2 30.2



#16  
Methylene chloride  
Concen: 50.293 ug/L  
RT: 2.506 min Scan# 456  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion: 84 Resp: 118603  
Ion Ratio Lower Upper  
84 100  
86 63.8 44.8 83.2  
49 117.5 80.2 149.0

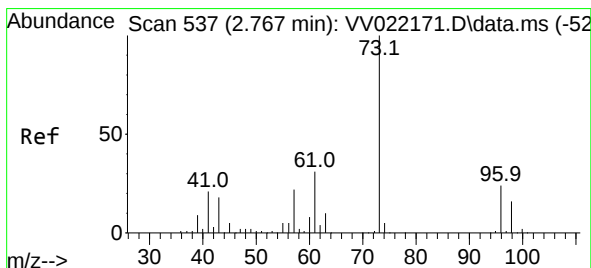
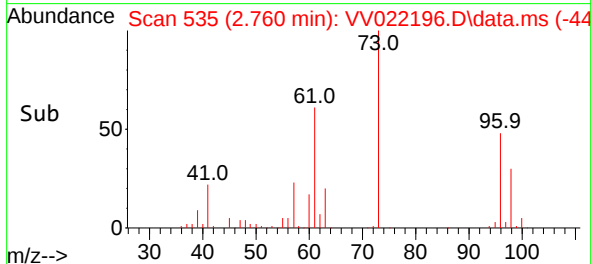
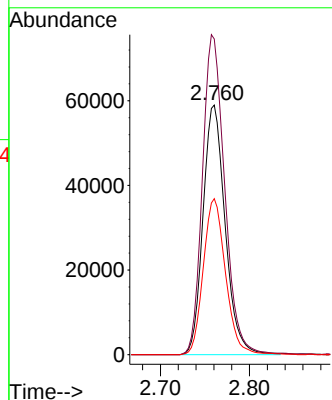
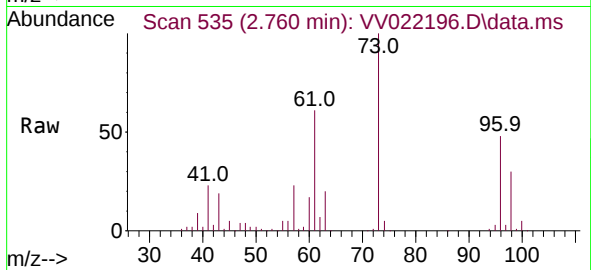




#17  
trans-1,2-Dichloroethene  
Concen: 47.930 ug/L  
RT: 2.760 min Scan# 535  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

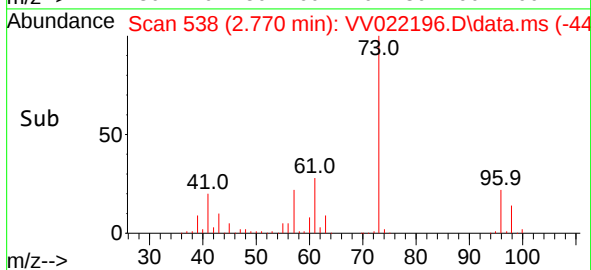
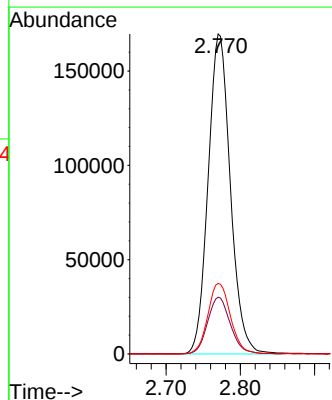
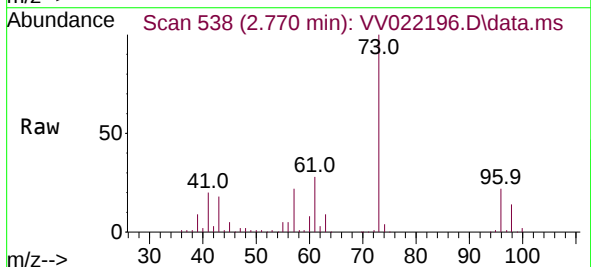
Instrument :  
MSVOA\_V  
ClientSampleId :

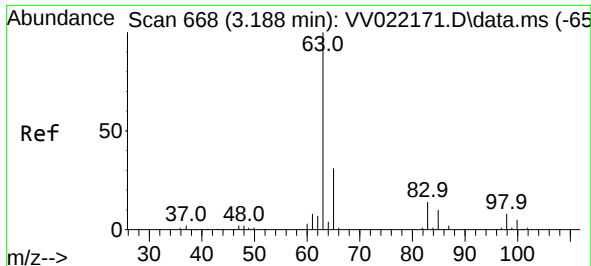
Tgt Ion: 96 Resp: 102005  
Ion Ratio Lower Upper  
96 100  
61 126.5 89.1 165.5  
98 62.5 43.8 81.3



#18  
Methyl tert-butyl Ether  
Concen: 52.078 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion: 73 Resp: 352194  
Ion Ratio Lower Upper  
73 100  
43 17.9 13.8 20.6  
57 22.6 17.1 25.7





#19

1,1-Dichloroethane

Concen: 53.038 ug/L

RT: 3.191 min Scan# 669

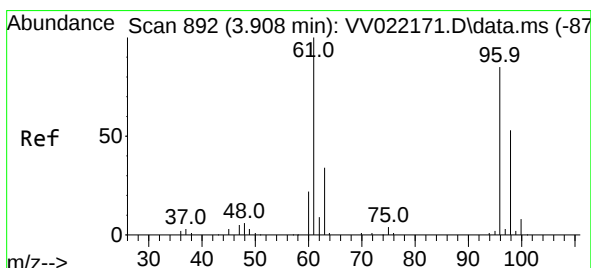
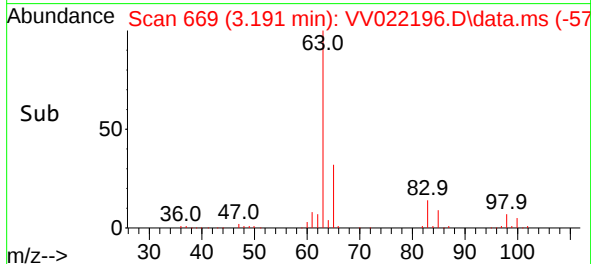
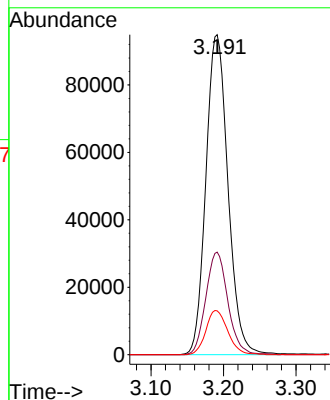
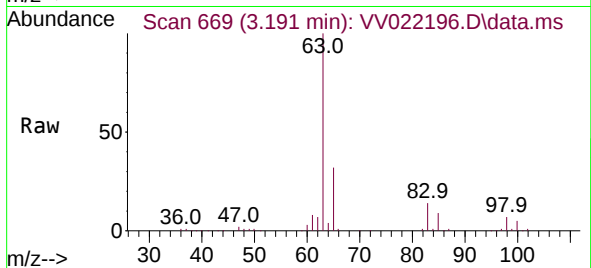
Delta R.T. 0.003 min

Lab File: VV022196.D

Acq: 17 Sep 2021 19:29

|             |              |
|-------------|--------------|
| Tgt Ion: 63 | Resp: 201037 |
| Ion Ratio   | Lower Upper  |
| 63 100      |              |
| 65 32.0     | 22.2 41.2    |
| 83 13.7     | 9.7 17.9     |

Instrument :  
MSVOA\_V  
ClientSampled :



#20

cis-1,2-Dichloroethene

Concen: 50.052 ug/L

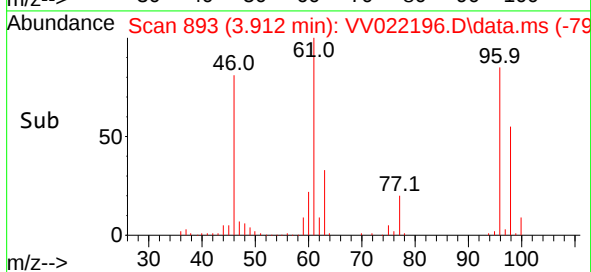
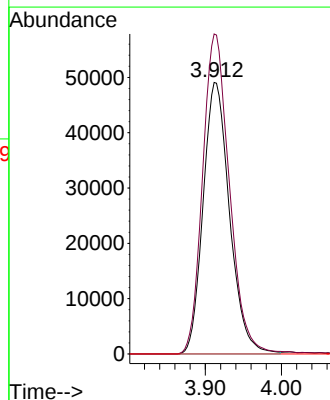
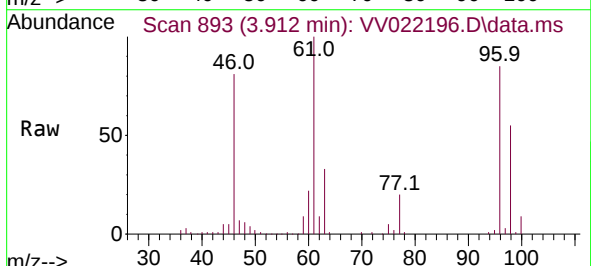
RT: 3.912 min Scan# 893

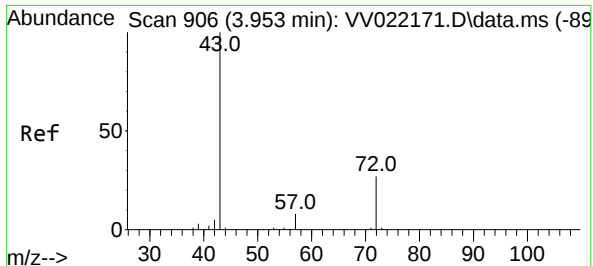
Delta R.T. 0.003 min

Lab File: VV022196.D

Acq: 17 Sep 2021 19:29

|             |              |
|-------------|--------------|
| Tgt Ion: 96 | Resp: 118557 |
| Ion Ratio   | Lower Upper  |
| 96 100      |              |
| 61 117.8    | 81.8 152.0   |
| 68 0.0      | 0.0 0.0      |

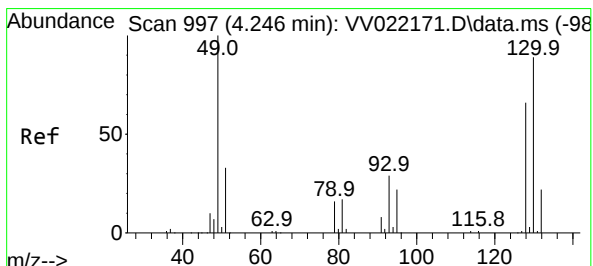
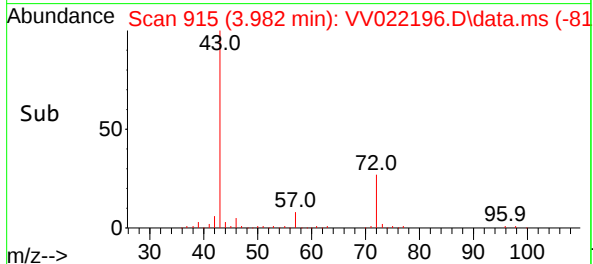
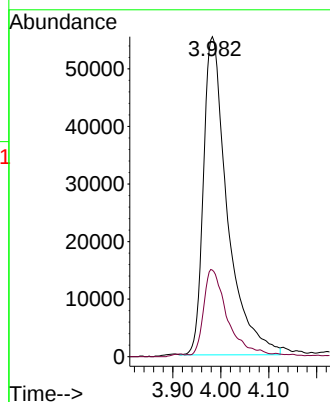
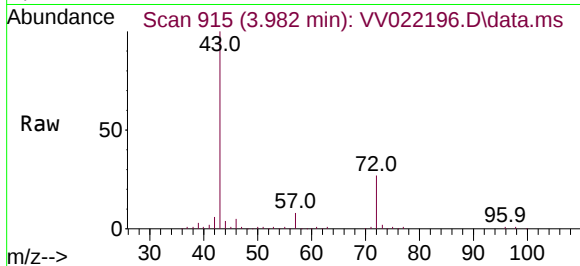




#22  
2-Butanone  
Concen: 112.602 ug/L  
RT: 3.982 min Scan# 915  
Delta R.T. 0.029 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

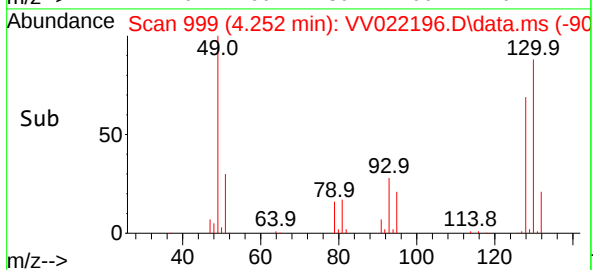
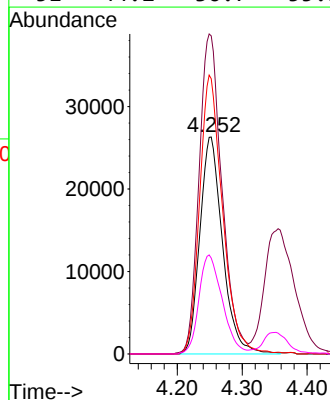
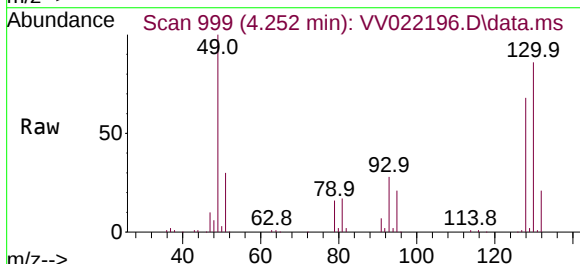
Instrument :  
MSVOA\_V  
ClientSampled :

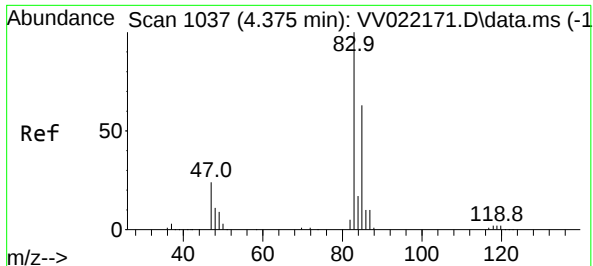
Tgt Ion: 43 Resp: 192198  
Ion Ratio Lower Upper  
43 100  
72 25.1 13.3 39.8



#23  
Bromochloromethane  
Concen: 50.697 ug/L  
RT: 4.252 min Scan# 999  
Delta R.T. 0.006 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion:128 Resp: 63952  
Ion Ratio Lower Upper  
128 100  
49 146.6 101.6 188.8  
130 126.8 88.5 164.3  
51 44.2 36.7 55.1





#25

Chloroform

Concen: 52.485 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.003 min

Lab File: VV022196.D

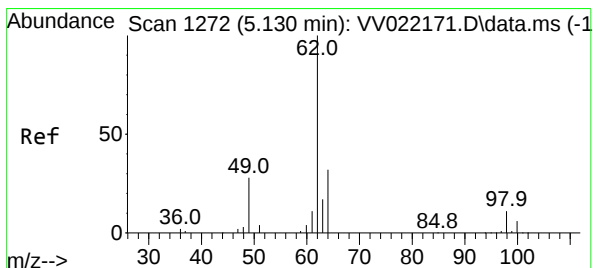
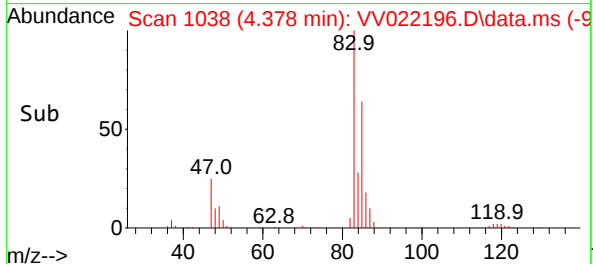
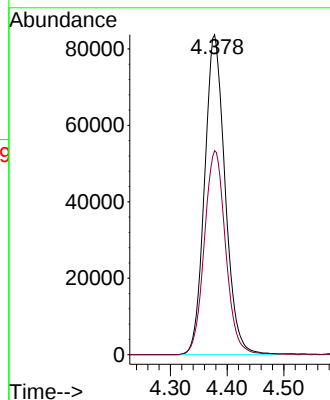
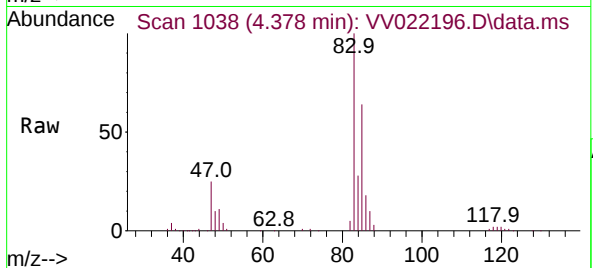
Acq: 17 Sep 2021 19:29

Tgt Ion: 83 Resp: 210593

Ion Ratio Lower Upper

83 100

85 63.8 46.3 85.9



#27

1,2-Dichloroethane

Concen: 56.513 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VV022196.D

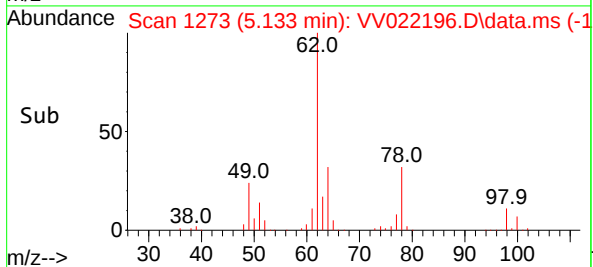
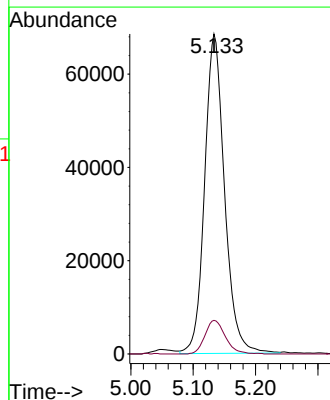
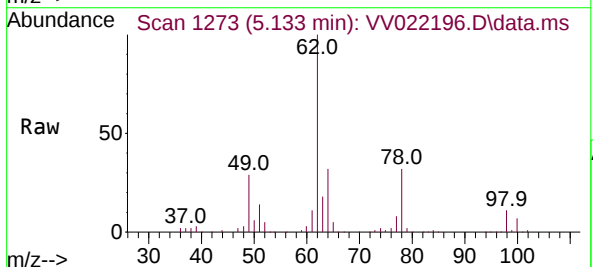
Acq: 17 Sep 2021 19:29

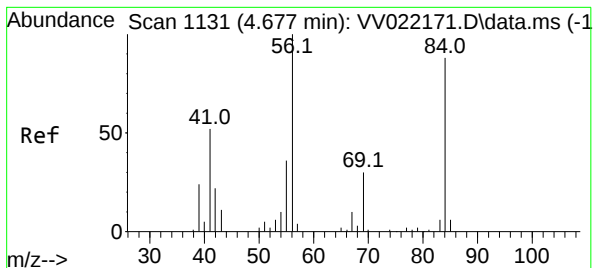
Tgt Ion: 62 Resp: 152000

Ion Ratio Lower Upper

62 100

98 10.5 8.5 12.7





#29

Cyclohexane

Concen: 43.817 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.003 min

Lab File: VV022196.D

Acq: 17 Sep 2021 19:29

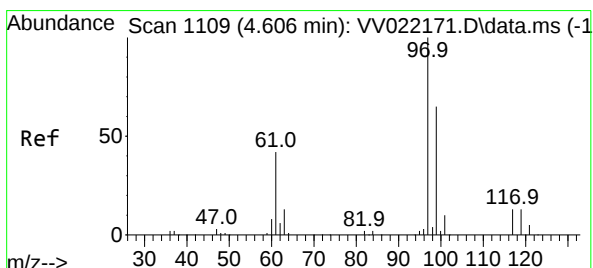
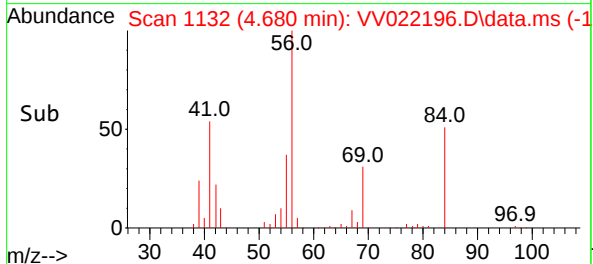
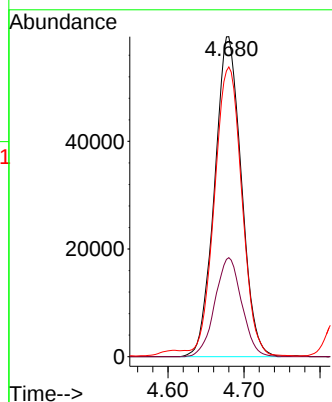
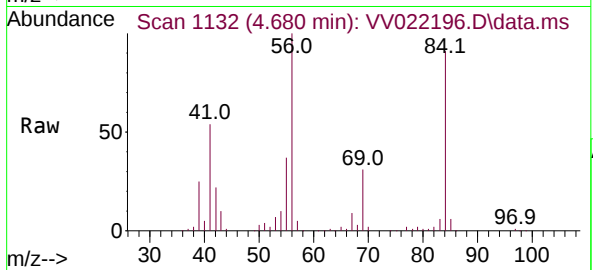
Tgt Ion: 56 Resp: 145428

Ion Ratio Lower Upper

56 100

69 30.9 25.2 37.8

84 92.5 74.6 111.8



#30

1,1,1-Trichloroethane

Concen: 50.671 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.003 min

Lab File: VV022196.D

Acq: 17 Sep 2021 19:29

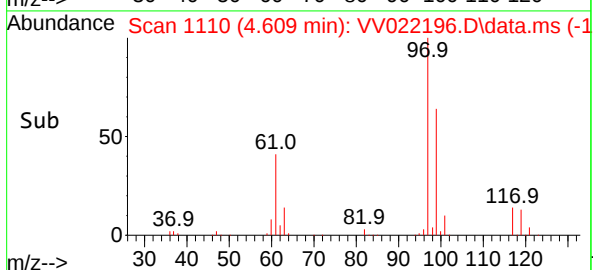
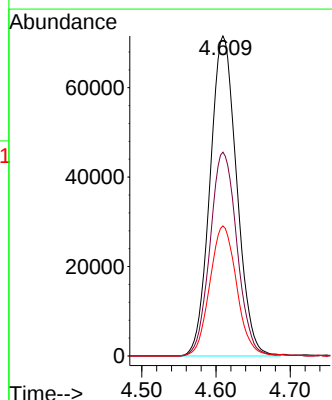
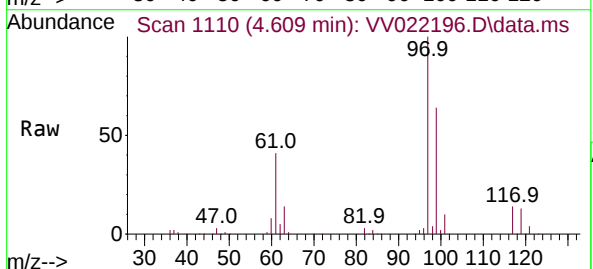
Tgt Ion: 97 Resp: 178804

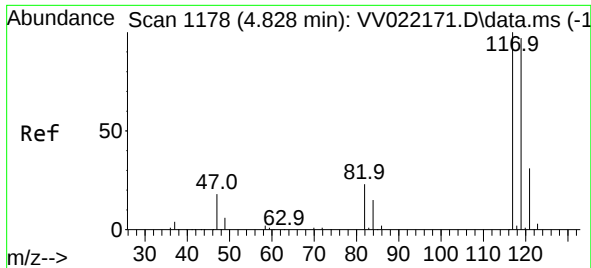
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 40.9 31.8 47.8

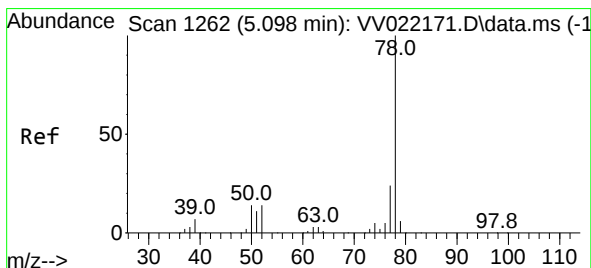
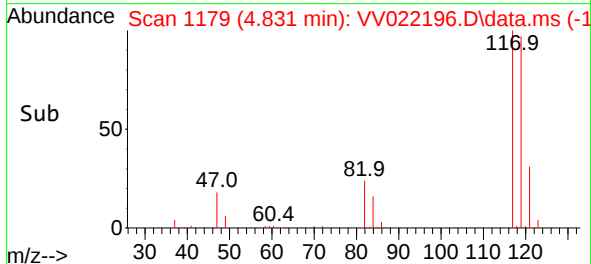
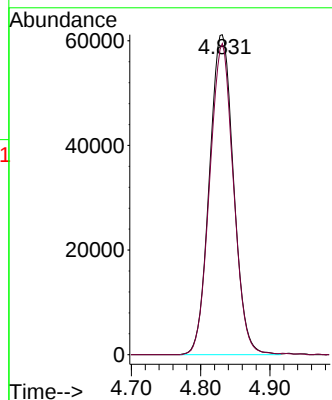
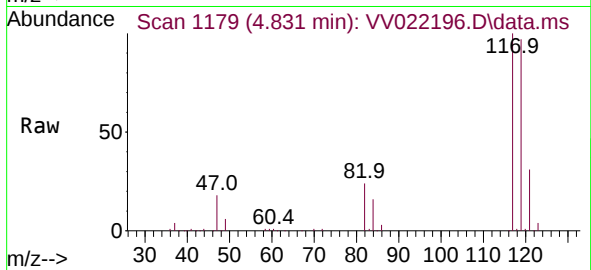




#31  
Carbon tetrachloride  
Concen: 48.903 ug/L  
RT: 4.831 min Scan# 1179  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

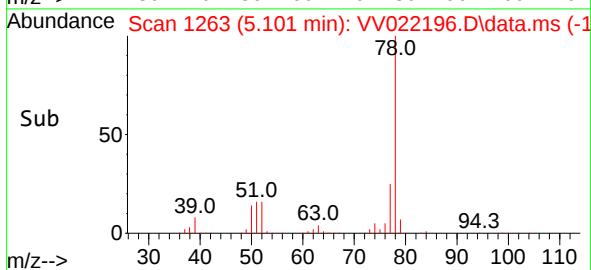
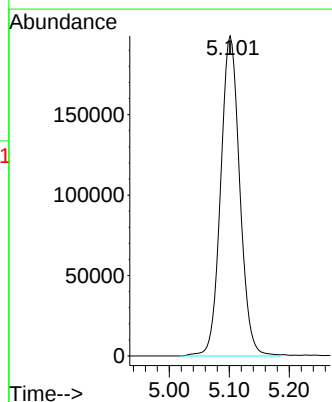
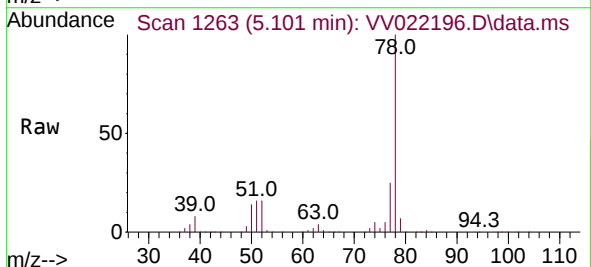
Instrument :  
MSVOA\_V  
ClientSampled :

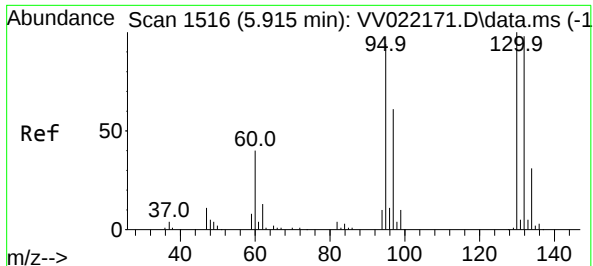
Tgt Ion:117 Resp: 148260  
Ion Ratio Lower Upper  
117 100  
119 95.6 76.6 114.8



#33  
Benzene  
Concen: 50.841 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion: 78 Resp: 439179





#34

Trichloroethene

Concen: 46.926 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VV022196.D

Acq: 17 Sep 2021 19:29

Tgt Ion: 95 Resp: 114821

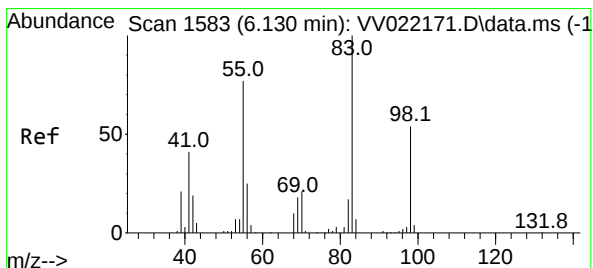
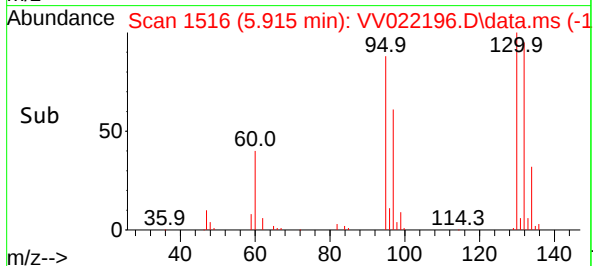
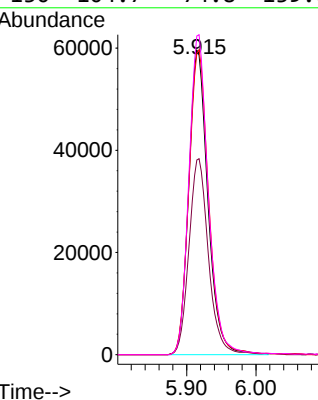
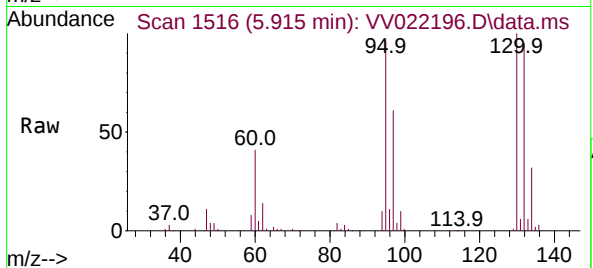
Ion Ratio Lower Upper

95 100

97 63.9 44.1 81.9

132 99.0 70.7 131.3

130 104.7 74.8 139.0



#35

Methylcyclohexane

Concen: 43.114 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.003 min

Lab File: VV022196.D

Acq: 17 Sep 2021 19:29

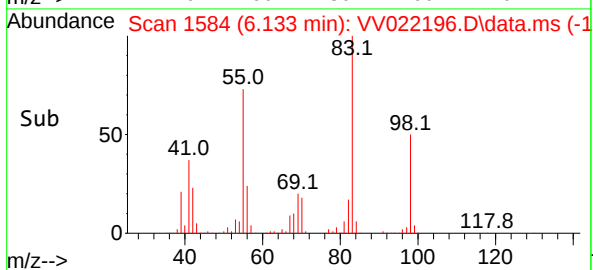
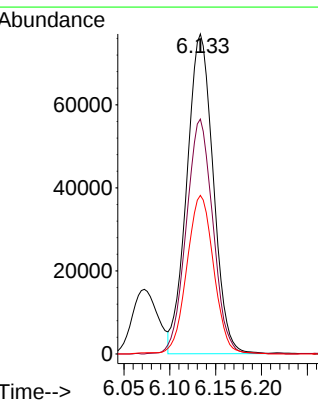
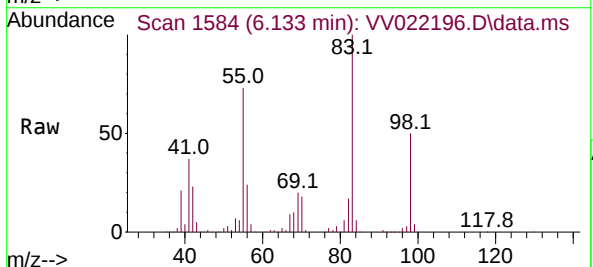
Tgt Ion: 83 Resp: 154222

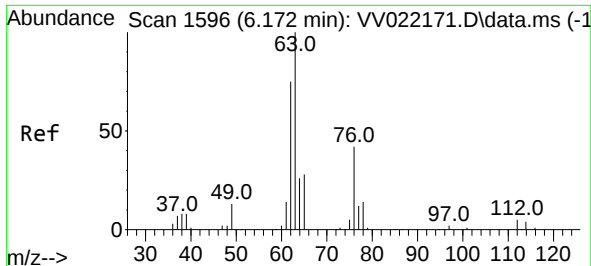
Ion Ratio Lower Upper

83 100

55 74.5 56.8 85.2

98 50.5 39.9 59.9

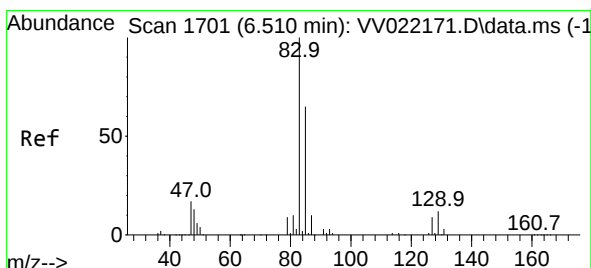
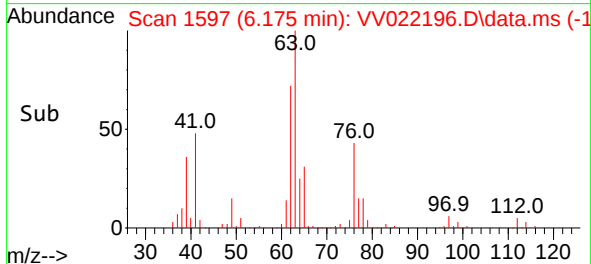
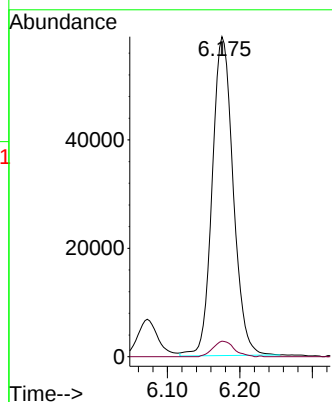
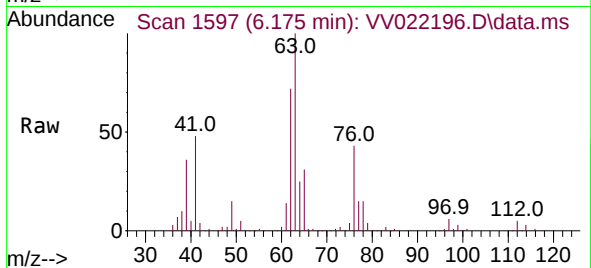




#37  
1,2-Dichloropropane  
Concen: 52.779 ug/L  
RT: 6.175 min Scan# 1597  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

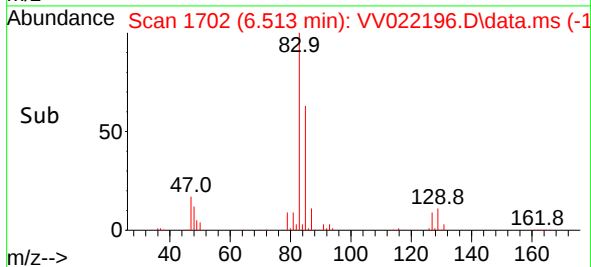
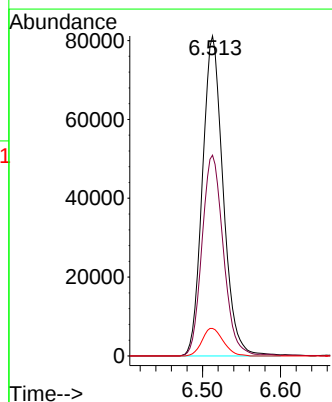
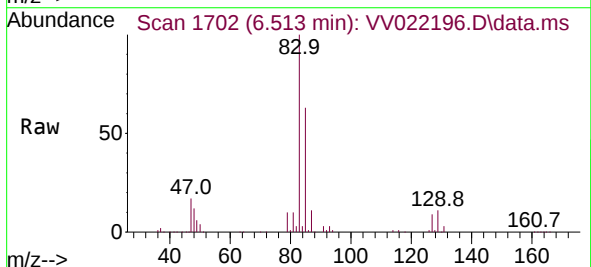
Instrument :  
MSVOA\_V  
ClientSampled :

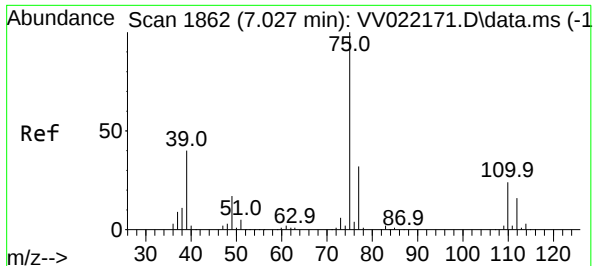
Tgt Ion: 63 Resp: 118182  
Ion Ratio Lower Upper  
63 100  
112 4.9 3.8 5.6



#38  
Bromodichloromethane  
Concen: 52.437 ug/L  
RT: 6.513 min Scan# 1702  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion: 83 Resp: 150157  
Ion Ratio Lower Upper  
83 100  
85 62.8 44.8 83.2  
127 8.6 7.3 10.9



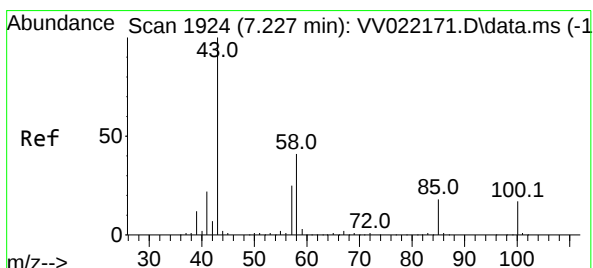
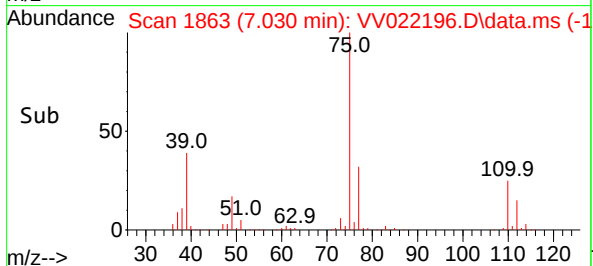
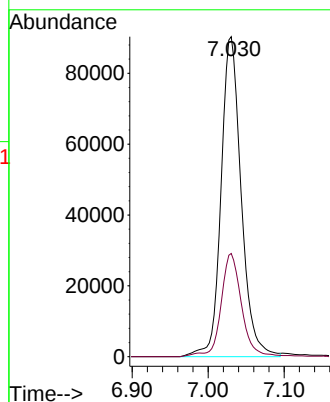
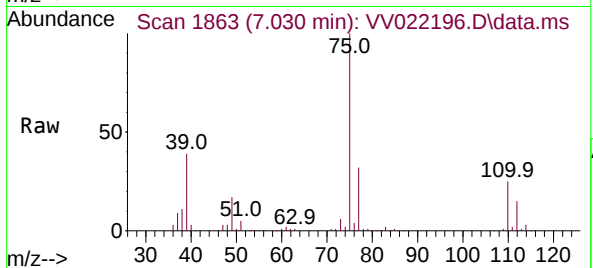


#39

cis-1,3-Dichloropropene  
 Concen: 48.063 ug/L  
 RT: 7.030 min Scan# 1863  
 Delta R.T. 0.003 min  
 Lab File: VV022196.D  
 Acq: 17 Sep 2021 19:29

Instrument :  
 MSVOA\_V  
 ClientSampled :

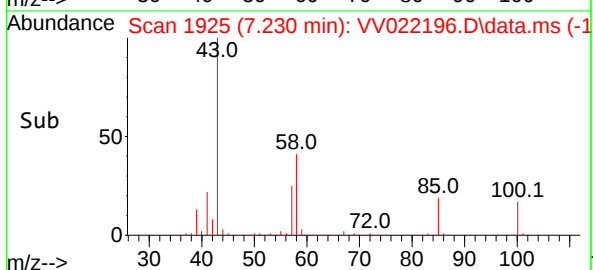
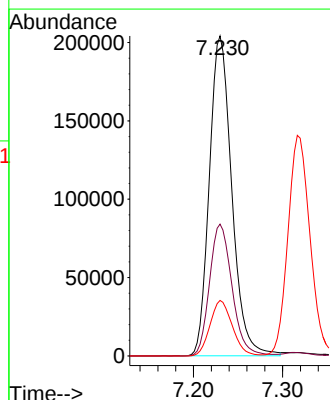
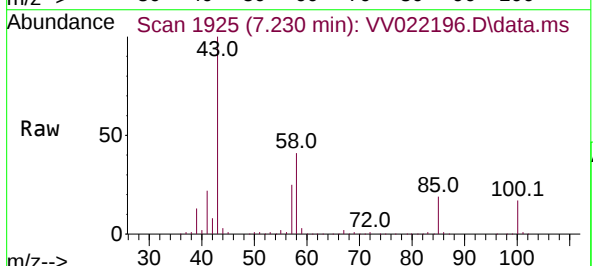
Tgt Ion: 75 Resp: 166162  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 22.7 42.1

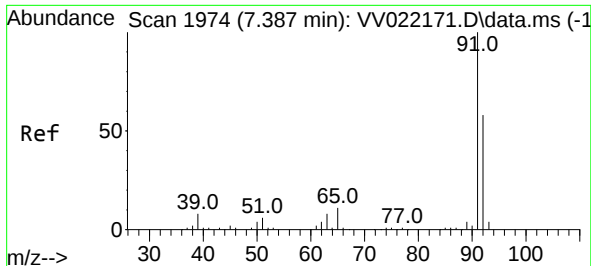


#40

4-Methyl-2-pentanone  
 Concen: 117.587 ug/L  
 RT: 7.230 min Scan# 1925  
 Delta R.T. 0.003 min  
 Lab File: VV022196.D  
 Acq: 17 Sep 2021 19:29

Tgt Ion: 43 Resp: 356956  
 Ion Ratio Lower Upper  
 43 100  
 58 41.3 33.3 49.9  
 100 17.3 14.5 21.7

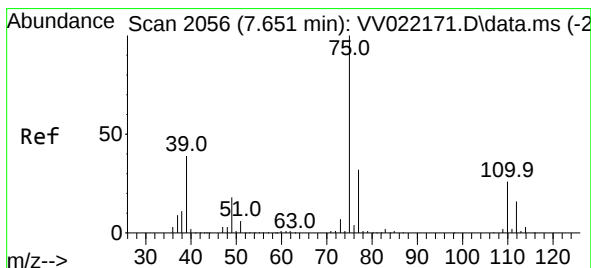
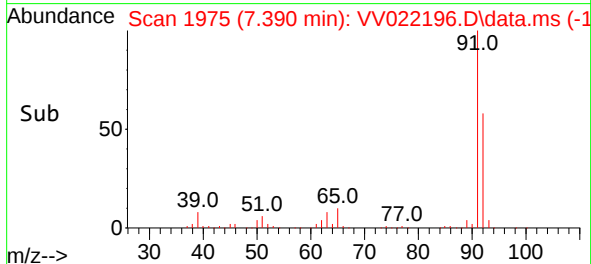
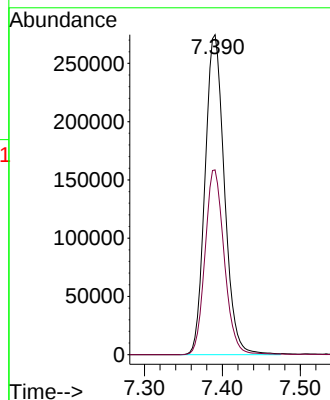
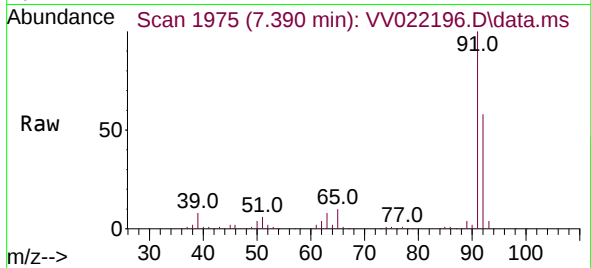




#42  
Toluene  
Concen: 50.925 ug/L  
RT: 7.390 min Scan# 1975  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

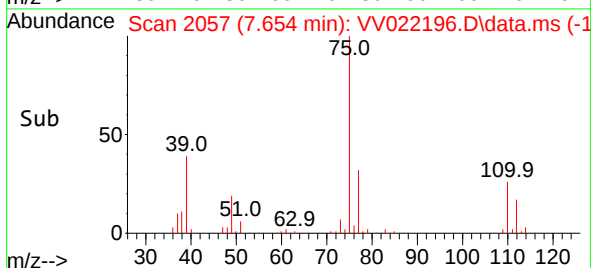
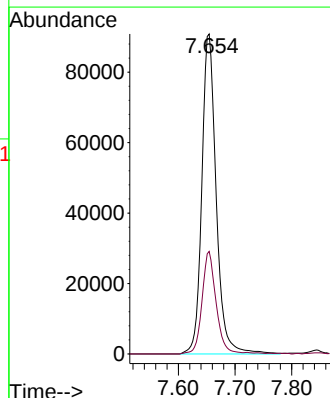
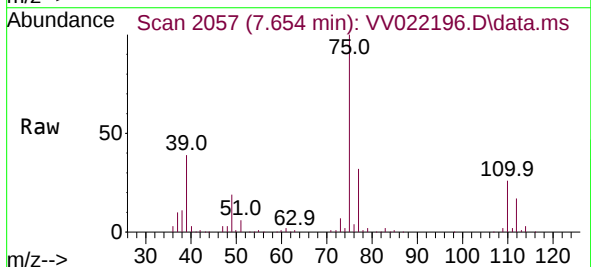
Instrument :  
MSVOA\_V  
ClientSampled :

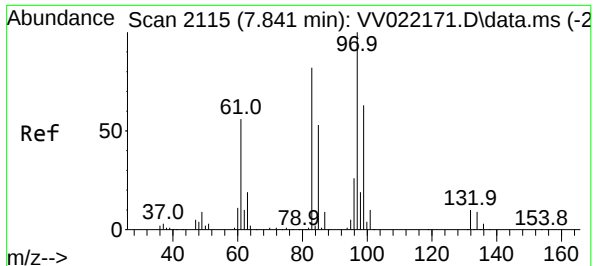
Tgt Ion: 91 Resp: 474784  
Ion Ratio Lower Upper  
91 100  
92 57.8 40.3 74.8



#44  
trans-1,3-Dichloropropene  
Concen: 49.848 ug/L  
RT: 7.654 min Scan# 2057  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion: 75 Resp: 160391  
Ion Ratio Lower Upper  
75 100  
77 32.1 21.8 40.6



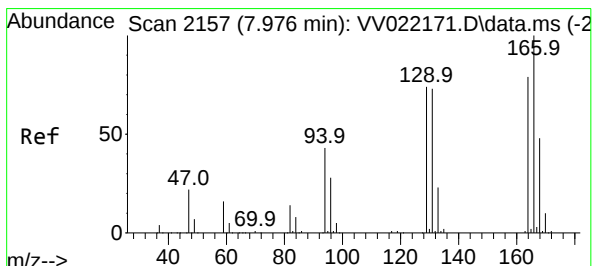
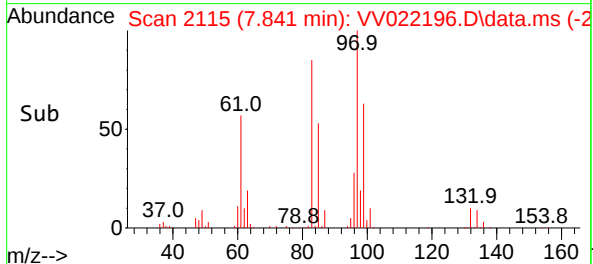
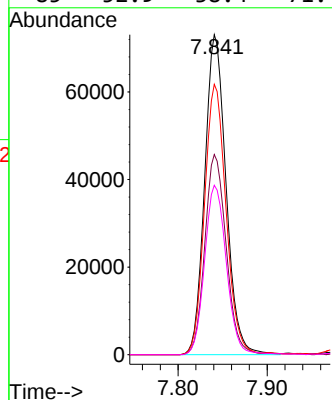
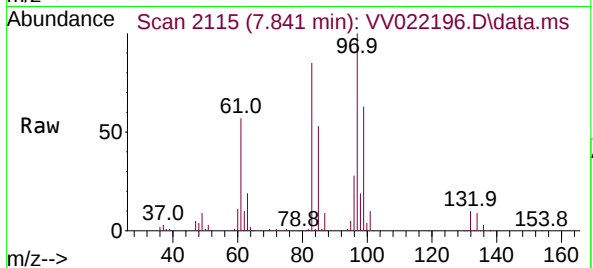


#45

1,1,2-Trichloroethane  
Concen: 53.500 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Instrument :  
MSVOA\_V  
ClientSampled :

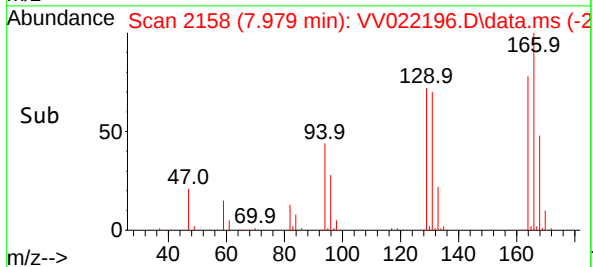
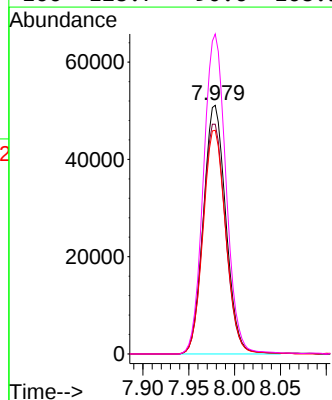
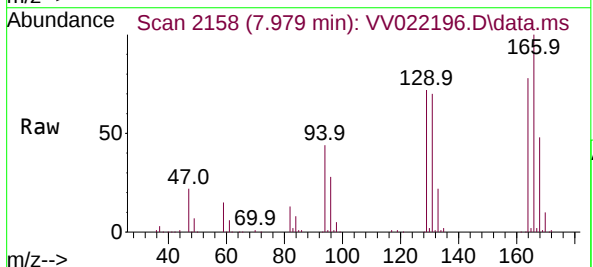
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 121891 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.6  | 43.8  | 81.4   |
| 83       | 84.5  | 58.8  | 109.2  |
| 85       | 52.9  | 38.4  | 71.4   |

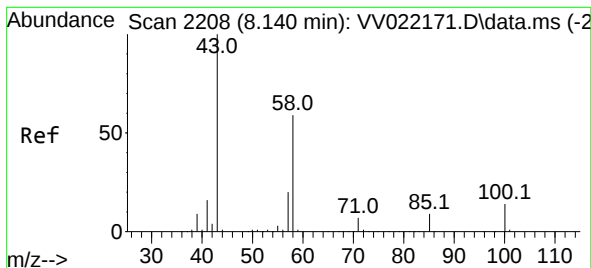


#46

Tetrachloroethene  
Concen: 45.908 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 87344 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 92.4  | 62.9  | 116.9 |
| 131      | 89.9  | 61.0  | 113.4 |
| 166      | 128.7 | 90.6  | 168.3 |





#48

2-Hexanone

Concen: 120.596 ug/L

RT: 8.143 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VV022196.D

Acq: 17 Sep 2021 19:29

Tgt Ion: 43 Resp: 284048

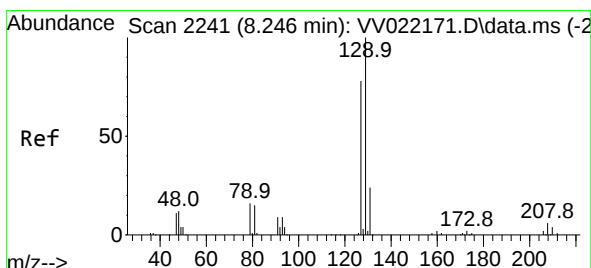
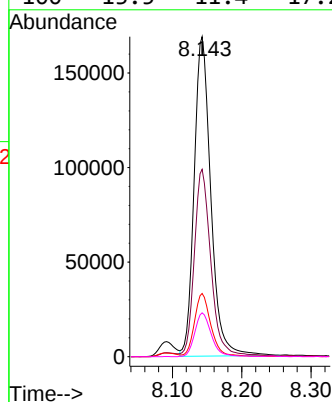
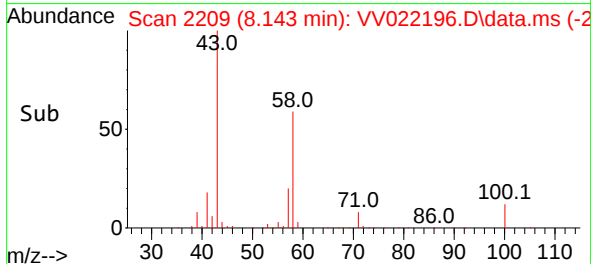
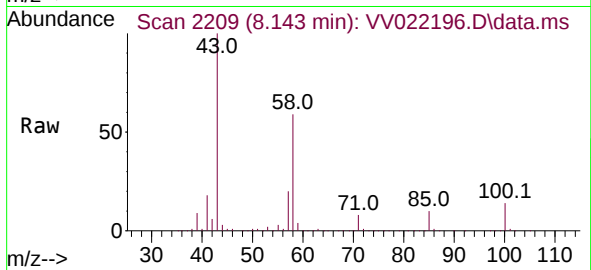
Ion Ratio Lower Upper

43 100

58 56.6 47.5 71.3

57 19.1 15.9 23.9

100 13.5 11.4 17.2



#49

Dibromochloromethane

Concen: 51.792 ug/L

RT: 8.249 min Scan# 2242

Delta R.T. 0.003 min

Lab File: VV022196.D

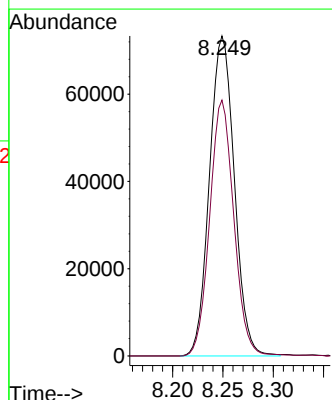
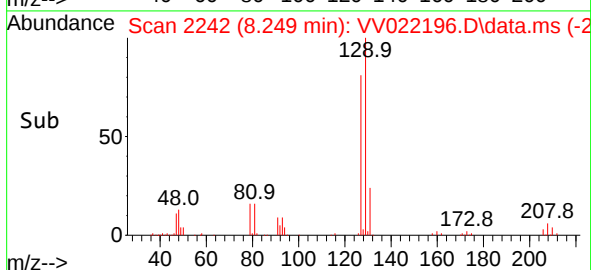
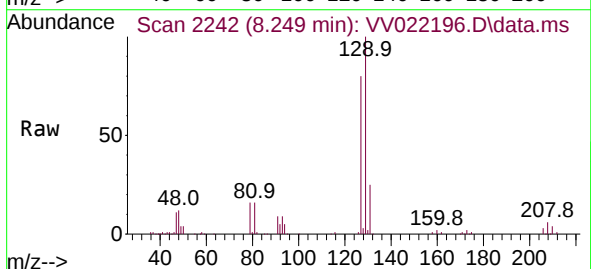
Acq: 17 Sep 2021 19:29

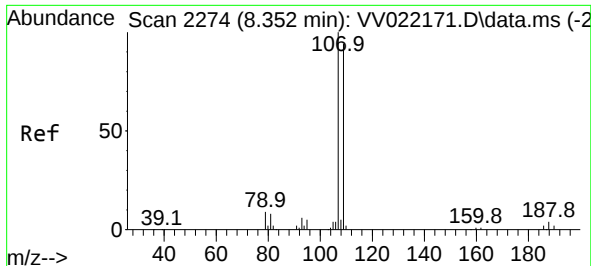
Tgt Ion: 129 Resp: 126310

Ion Ratio Lower Upper

129 100

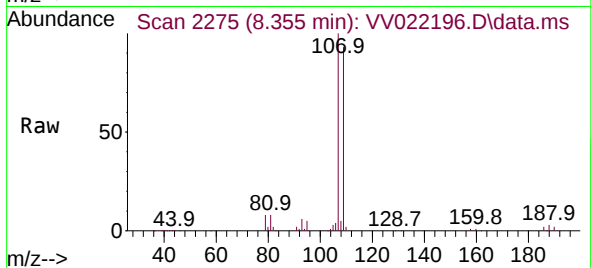
127 80.0 54.1 100.5



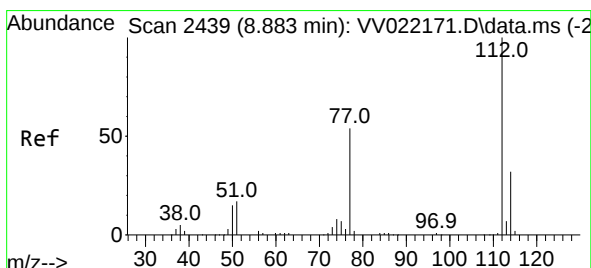
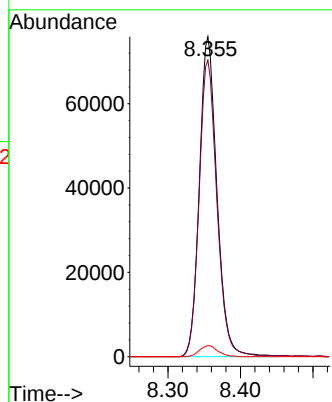
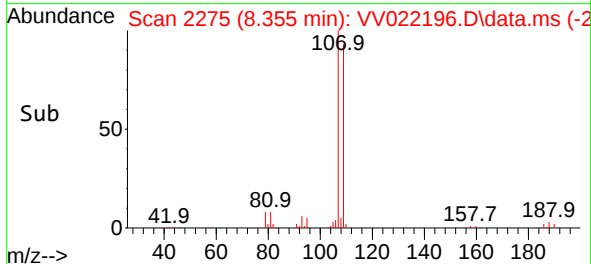


#50  
1,2-Dibromoethane  
Concen: 52.244 ug/L  
RT: 8.355 min Scan# 2275  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

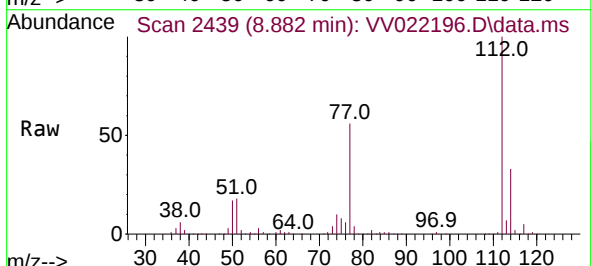
Instrument :  
MSVOA\_V  
ClientSampled :



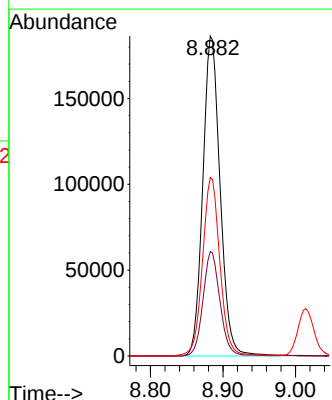
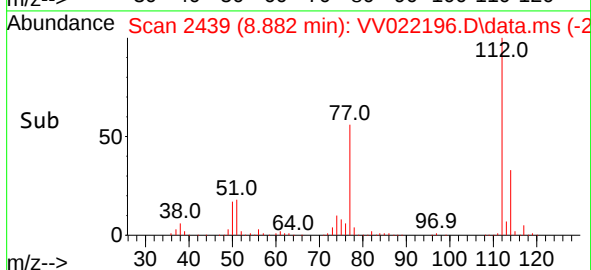
Tgt Ion:107 Resp: 127747  
Ion Ratio Lower Upper  
107 100  
109 92.7 65.5 121.6  
188 3.5 3.2 4.8

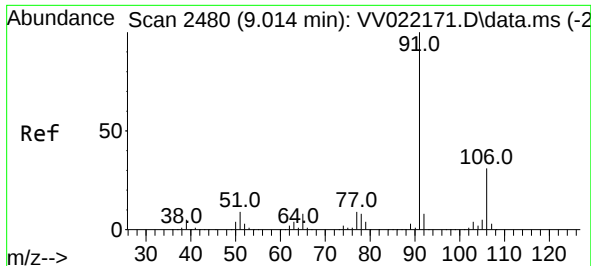


#51  
Chlorobenzene  
Concen: 49.371 ug/L  
RT: 8.882 min Scan# 2439  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29



Tgt Ion:112 Resp: 309473  
Ion Ratio Lower Upper  
112 100  
114 32.7 22.0 41.0  
77 55.8 43.2 64.8

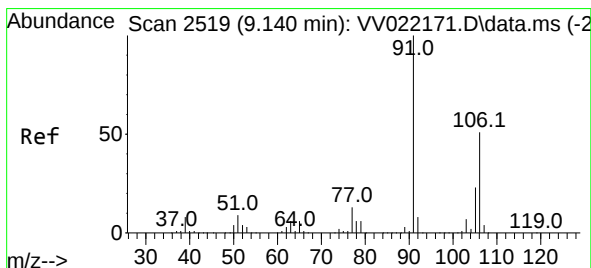
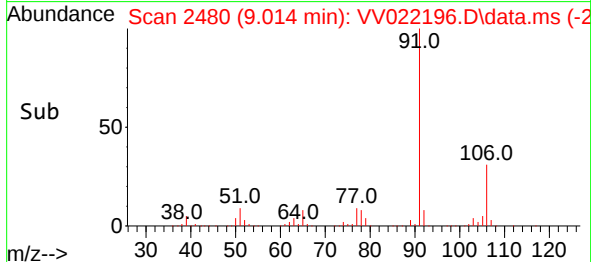
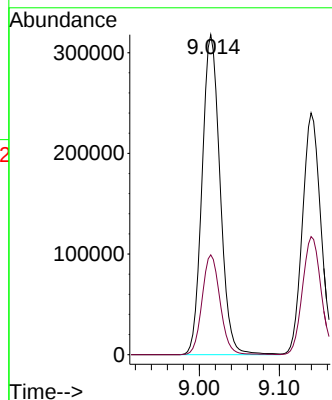
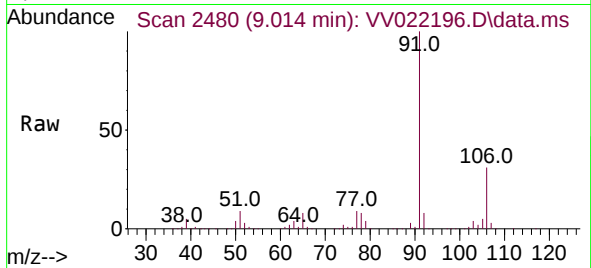




#52  
Ethylbenzene  
Concen: 49.420 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

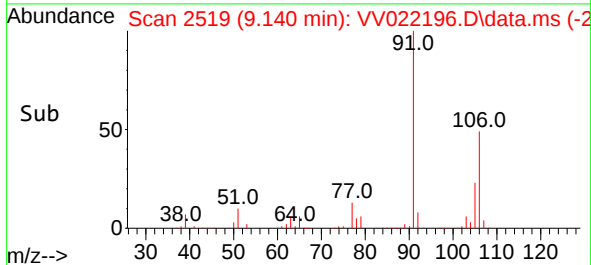
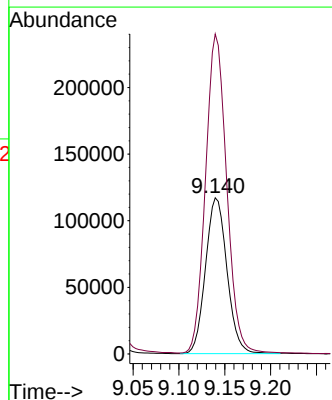
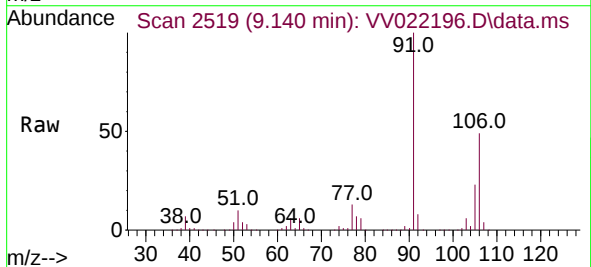
Instrument :  
MSVOA\_V  
ClientSampled :

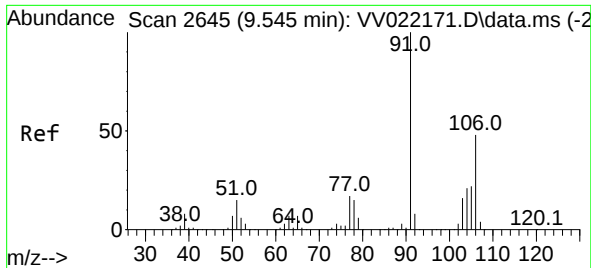
Tgt Ion: 91 Resp: 498772  
Ion Ratio Lower Upper  
91 100  
106 31.2 21.7 40.3



#53  
m,p-Xylene  
Concen: 48.677 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion: 106 Resp: 190951  
Ion Ratio Lower Upper  
106 100  
91 204.8 139.1 258.3

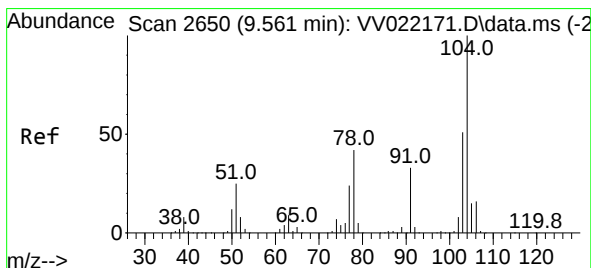
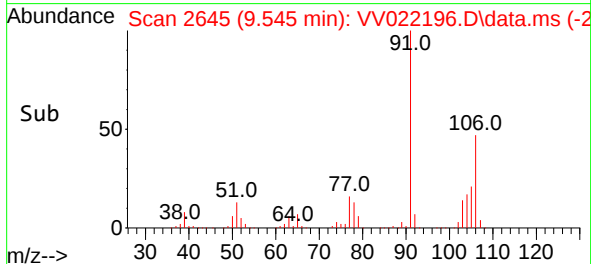
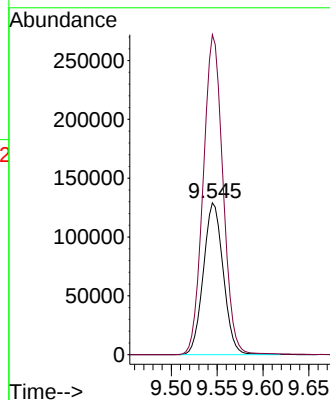
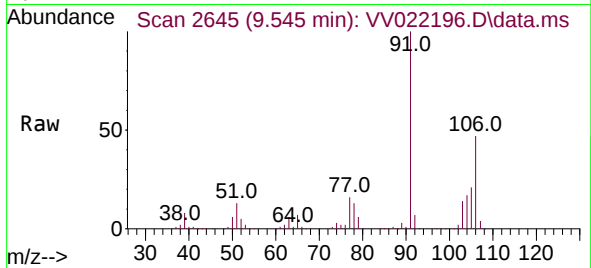




#54  
o-Xylene  
Concen: 50.214 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

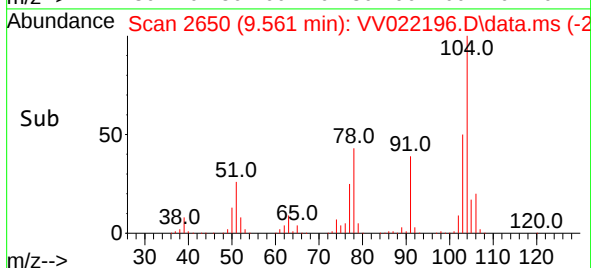
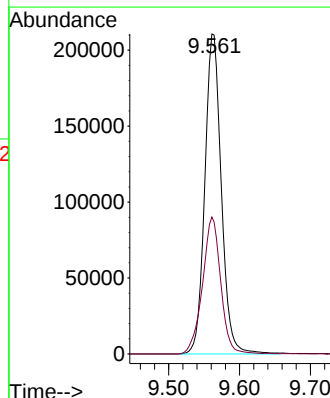
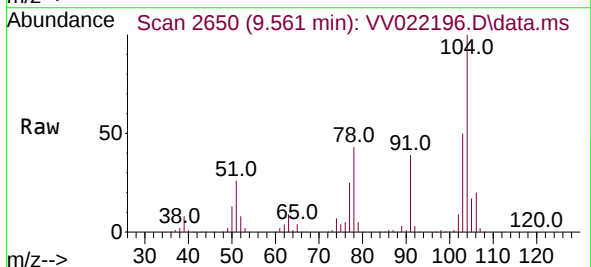
Instrument :  
MSVOA\_V  
ClientSampled :

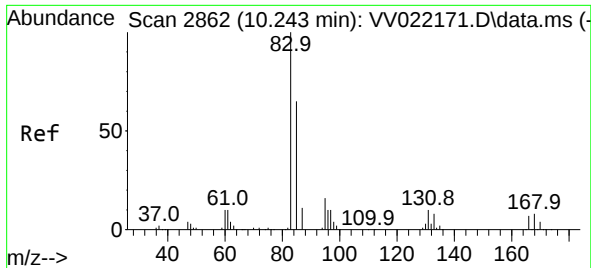
Tgt Ion:106 Resp: 194900  
Ion Ratio Lower Upper  
106 100  
91 210.8 150.1 278.9



#55  
Styrene  
Concen: 51.460 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion:104 Resp: 340867  
Ion Ratio Lower Upper  
104 100  
78 42.8 28.6 53.2

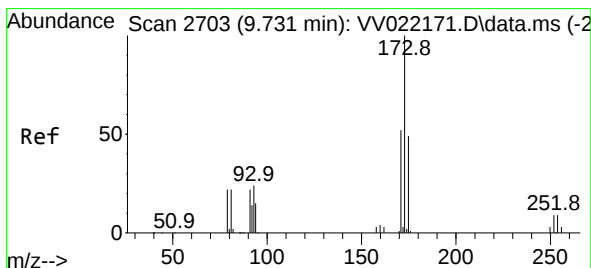
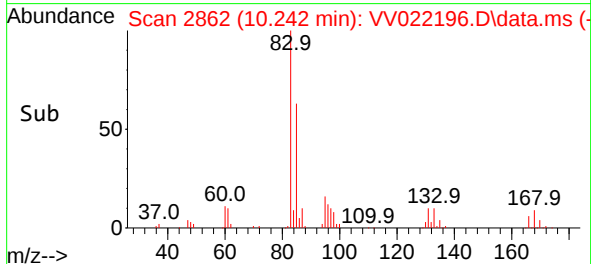
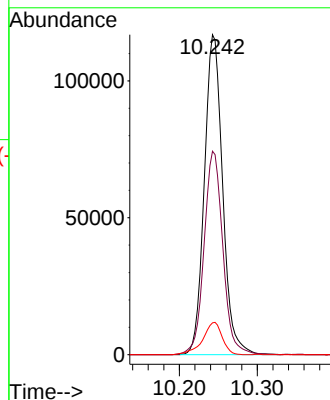
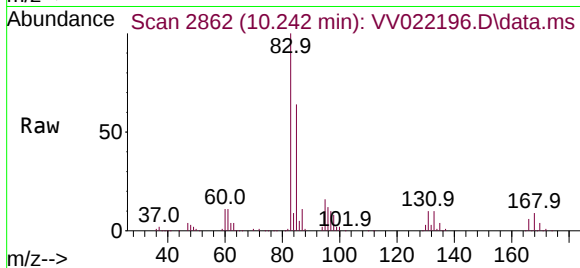




#57  
1,1,2,2-Tetrachloroethane  
Concen: 57.776 ug/L  
RT: 10.242 min Scan# 2862  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

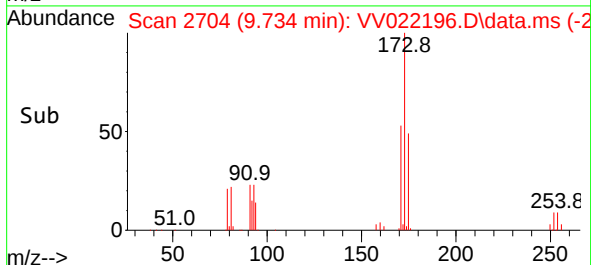
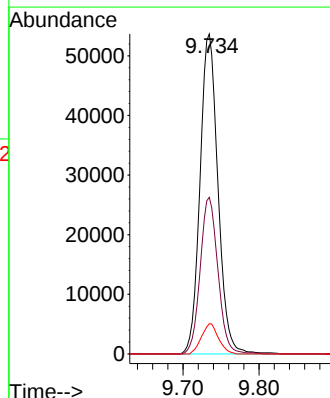
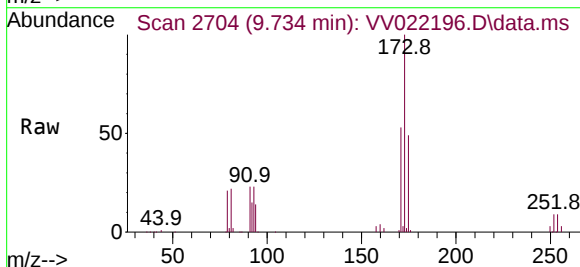
Instrument :  
MSVOA\_V  
ClientSampled :

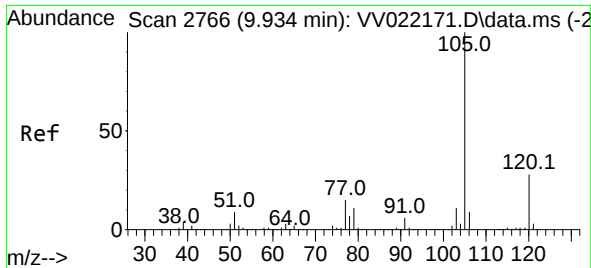
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 190724 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.6  | 44.7  | 83.1   |
| 131      | 9.9   | 8.2   | 12.2   |



#59  
Bromoform  
Concen: 54.119 ug/L  
RT: 9.734 min Scan# 2704  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 88012 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.2  | 38.8  | 58.2  |
| 254      | 9.0   | 7.0   | 10.4  |

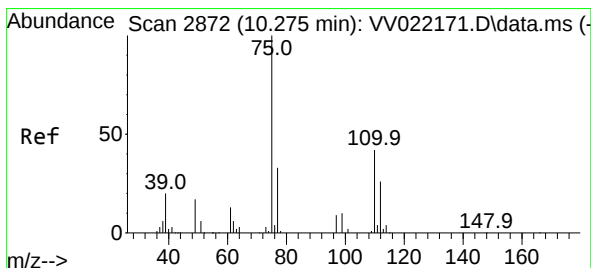
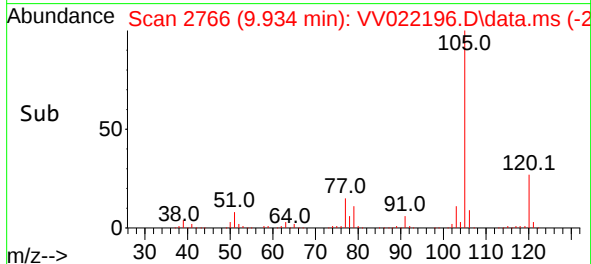
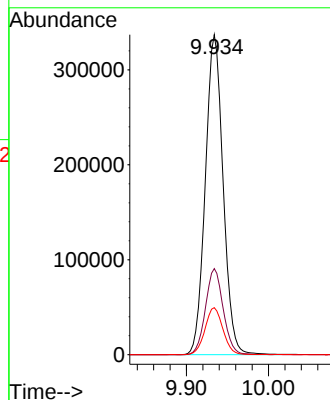
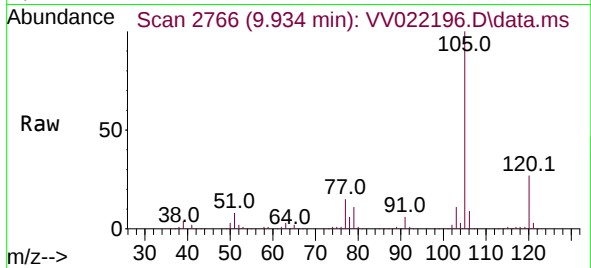




#60  
Isopropylbenzene  
Concen: 52.759 ug/L  
RT: 9.934 min Scan# 2766  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

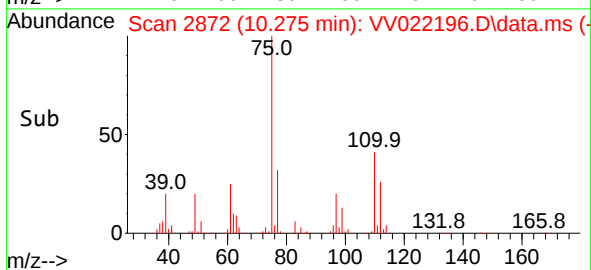
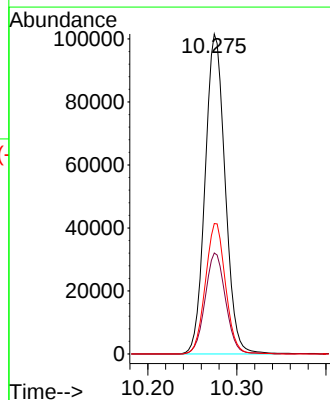
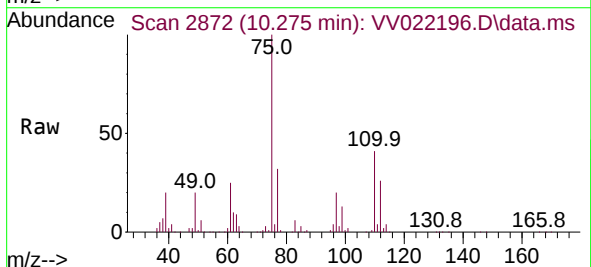
Instrument :  
MSVOA\_V  
ClientSampleId :

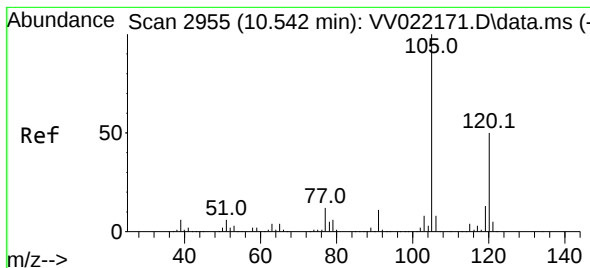
Tgt Ion:105 Resp: 507606  
Ion Ratio Lower Upper  
105 100  
120 26.8 21.5 32.3  
77 14.8 11.8 17.6



#61  
1,2,3-Trichloropropane  
Concen: 59.639 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion: 75 Resp: 158268  
Ion Ratio Lower Upper  
75 100  
77 32.3 26.2 39.2  
110 40.9 33.8 50.6





#62

1,3,5-Trimethylbenzene

Concen: 51.756 ug/L

RT: 10.541 min Scan# 2955

Delta R.T. -0.000 min

Lab File: VV022196.D

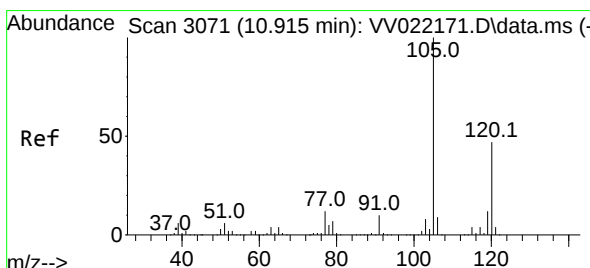
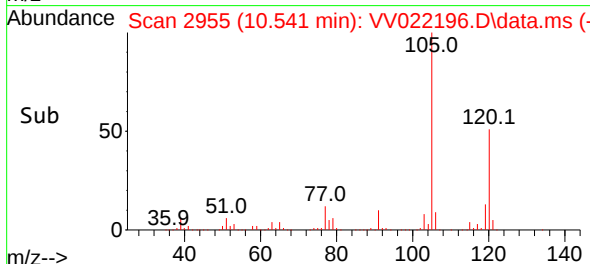
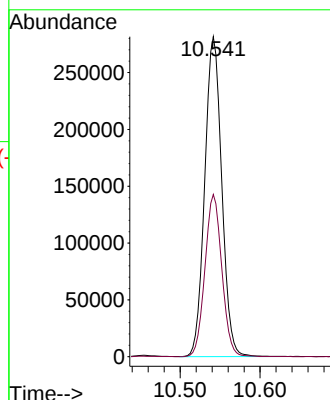
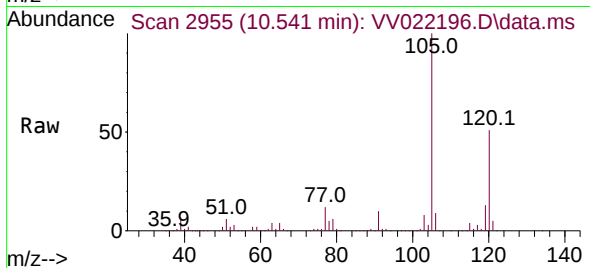
Acq: 17 Sep 2021 19:29

Tgt Ion:105 Resp: 418056

Ion Ratio Lower Upper

105 100

120 50.2 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 51.617 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.003 min

Lab File: VV022196.D

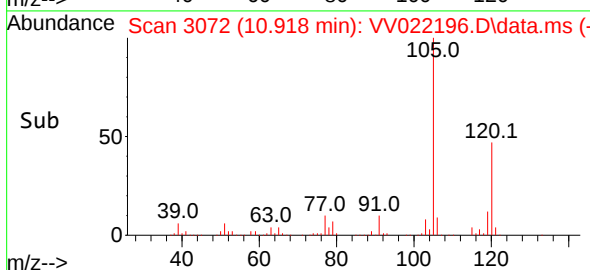
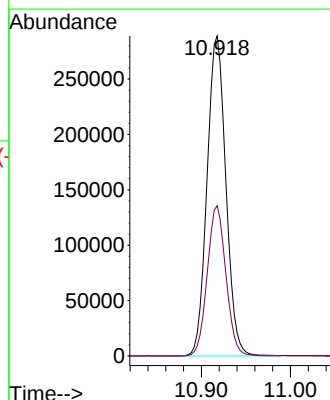
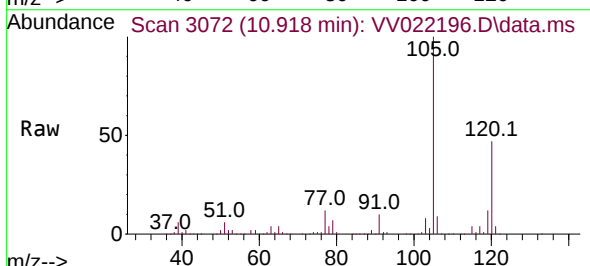
Acq: 17 Sep 2021 19:29

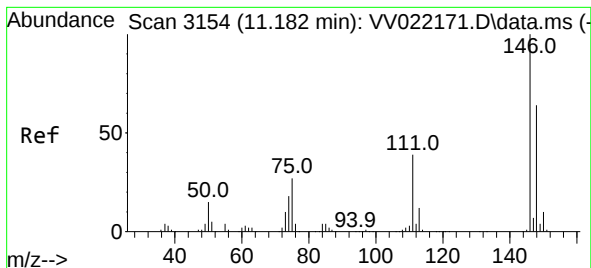
Tgt Ion:105 Resp: 423778

Ion Ratio Lower Upper

105 100

120 46.5 37.4 56.0





#64

1,3-Dichlorobenzene

Concen: 49.256 ug/L

RT: 11.181 min Scan# 3154

Delta R.T. -0.000 min

Lab File: VV022196.D

Acq: 17 Sep 2021 19:29

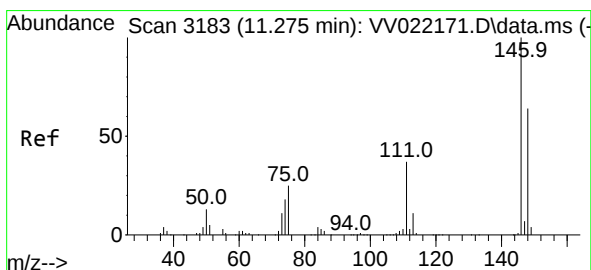
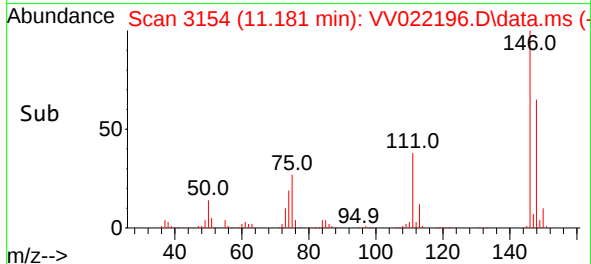
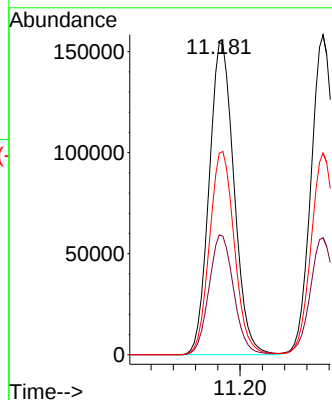
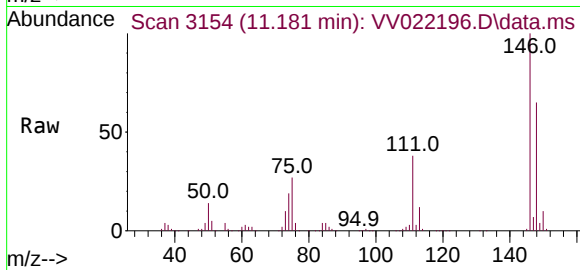
Tgt Ion:146 Resp: 240616

Ion Ratio Lower Upper

146 100

111 38.4 26.9 50.1

148 64.5 45.5 84.5



#65

1,4-Dichlorobenzene

Concen: 48.709 ug/L

RT: 11.275 min Scan# 3183

Delta R.T. -0.000 min

Lab File: VV022196.D

Acq: 17 Sep 2021 19:29

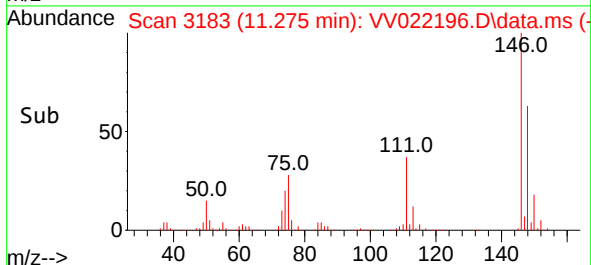
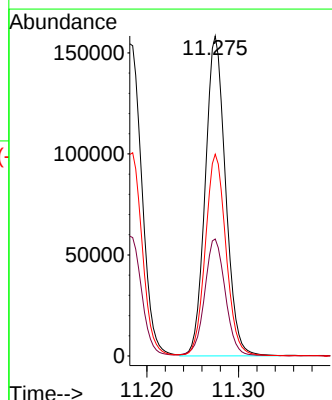
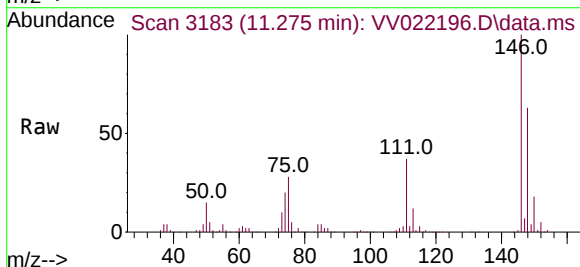
Tgt Ion:146 Resp: 243480

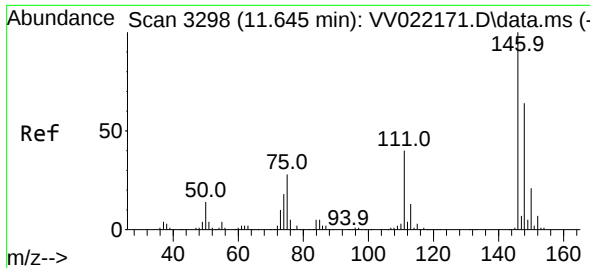
Ion Ratio Lower Upper

146 100

111 36.5 25.3 46.9

148 63.0 44.4 82.5

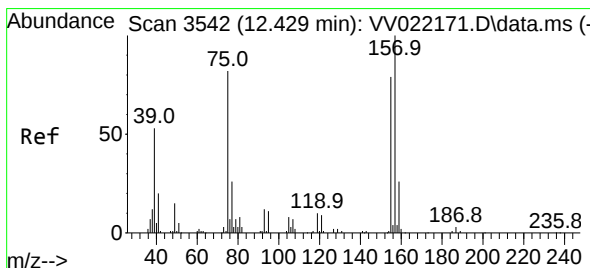
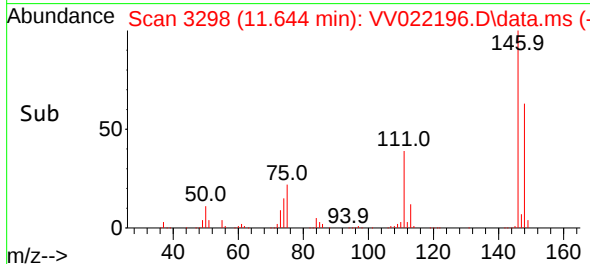
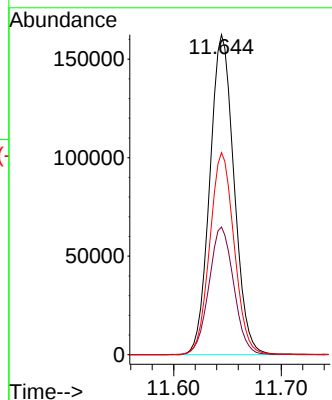
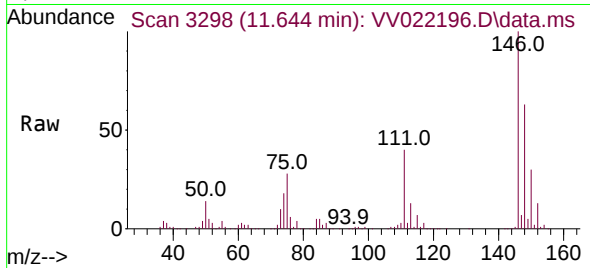




#67  
1,2-Dichlorobenzene  
Concen: 52.386 ug/L  
RT: 11.644 min Scan# 3298  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

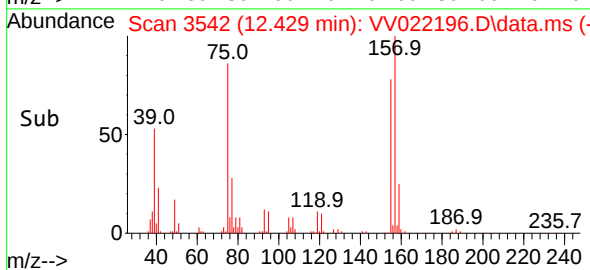
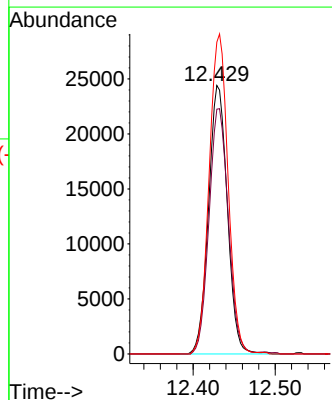
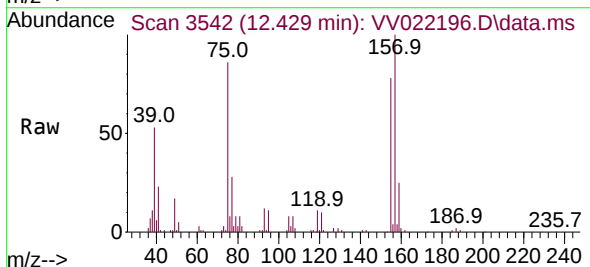
Instrument :  
MSVOA\_V  
ClientSampleId :

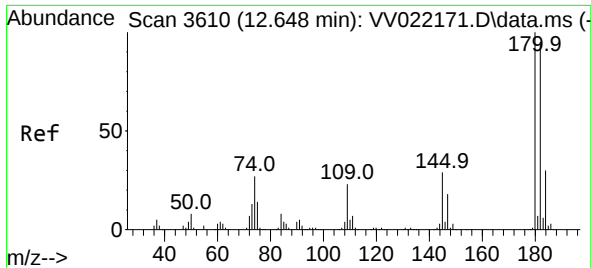
Tgt Ion:146 Resp: 254095  
Ion Ratio Lower Upper  
146 100  
111 39.9 31.6 47.4  
148 63.1 50.6 75.8



#68  
1,2-Dibromo-3-chloropropane  
Concen: 60.959 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion: 75 Resp: 38988  
Ion Ratio Lower Upper  
75 100  
155 91.2 79.8 119.6  
157 116.2 98.3 147.5

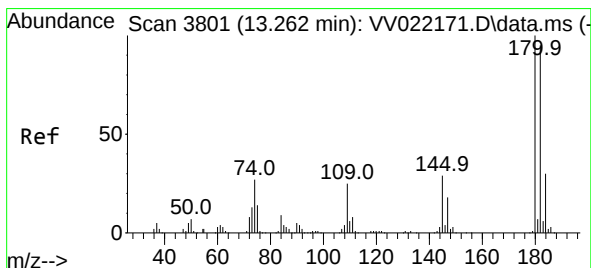
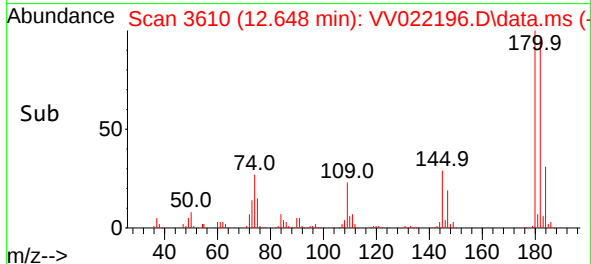
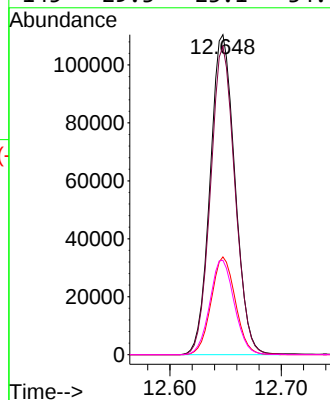
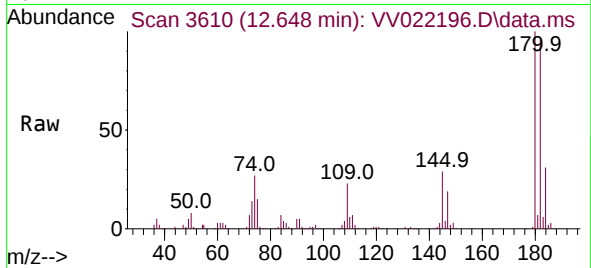




#69  
1,3,5-Trichlorobenzene  
Concen: 46.794 ug/L  
RT: 12.648 min Scan# 3610  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

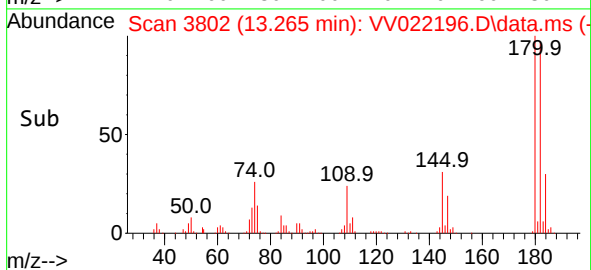
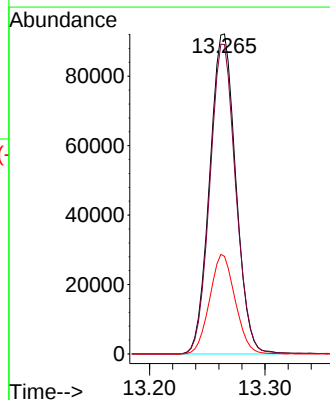
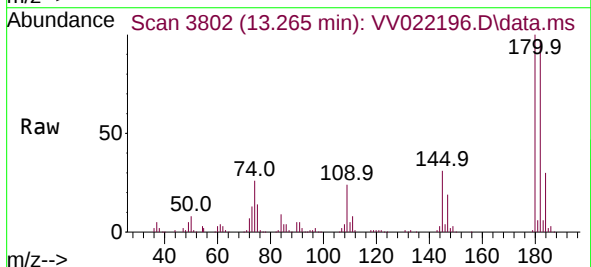
Instrument :  
MSVOA\_V  
ClientSampled :

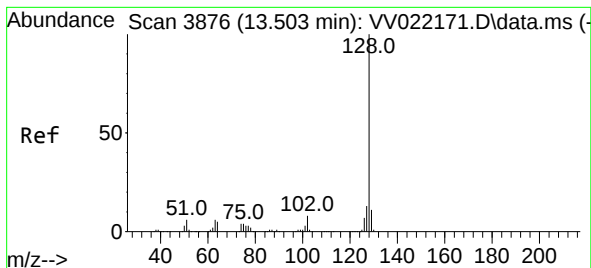
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 170926 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.9  | 76.4  | 114.6  |
| 184       | 29.8  | 24.0  | 36.0   |
| 145       | 29.3  | 23.1  | 34.7   |



#70  
1,2,4-trichlorobenzene  
Concen: 45.004 ug/L  
RT: 13.265 min Scan# 3802  
Delta R.T. 0.003 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 144610 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.9  | 75.9  | 113.9  |
| 145       | 30.4  | 23.8  | 35.6   |

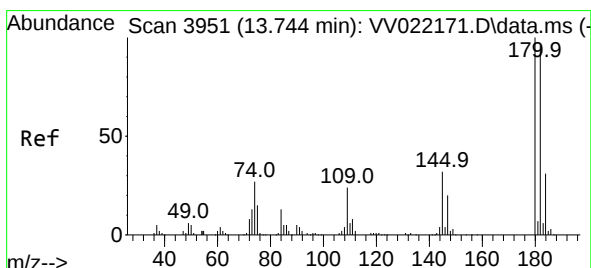
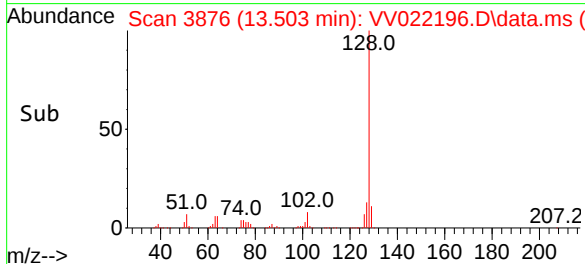
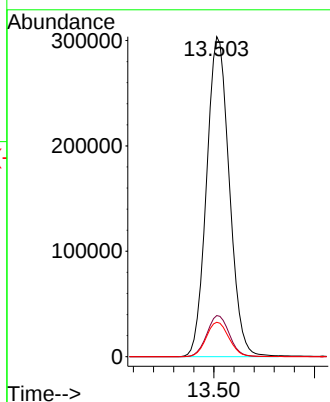
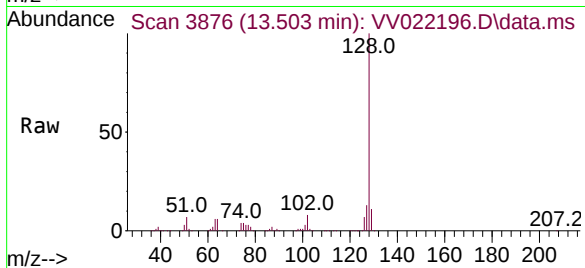




#71  
Naphthalene  
Concen: 51.494 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 475967  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.1 15.1  
129 10.8 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 49.670 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. -0.000 min  
Lab File: VV022196.D  
Acq: 17 Sep 2021 19:29

Tgt Ion:180 Resp: 155673  
Ion Ratio Lower Upper  
180 100  
182 95.8 76.3 114.5  
145 31.4 25.4 38.0

