

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW092921\  
 Data File : VW022371.D  
 Acq On : 29 Sep 2021 12:29  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 30 05:12:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 29 01:30:11 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612   | 114   | 264878   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850   | 117   | 256688   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249  | 152   | 139137   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 98686    | 43.901   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 87.800%  |
| 7) Chloroethane-d5            | 1.561   | 69    | 80874    | 45.487   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 90.980%  |
| 11) 1,1-Dichloroethene-d2     | 2.104   | 63    | 184285   | 47.152   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.300%  |
| 21) 2-Butanone-d5             | 3.870   | 46    | 153183   | 96.559   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 96.560%  |
| 24) Chloroform-d              | 4.342   | 84    | 193597   | 47.695   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.027   | 65    | 114441   | 45.976   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.960%  |
| 32) Benzene-d6                | 5.047   | 84    | 385264   | 47.710   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.420%  |
| 36) 1,2-Dichloropropane-d6    | 6.066   | 67    | 121274   | 46.944   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 93.880%  |
| 41) Toluene-d8                | 7.313   | 98    | 355109   | 48.045   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.100%  |
| 43) trans-1,3-Dichloroprop... | 7.619   | 79    | 55311    | 46.887   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.780%  |
| 47) 2-Hexanone-d5             | 8.085   | 63    | 104218   | 99.281   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 99.280%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217  | 84    | 173009   | 46.135   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 92.260%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 143912   | 46.515   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.020%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 130861   | 51.841   | ug/L   | 99       |
| 3) Chloromethane              | 1.240   | 50    | 124555   | 48.248   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.310   | 62    | 124070   | 51.497   | ug/L   | 99       |
| 6) Bromomethane               | 1.516   | 94    | 66704    | 43.131   | ug/L   | 99       |
| 8) Chloroethane               | 1.580   | 64    | 75383    | 51.315   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.751   | 101   | 170514   | 52.128   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114   | 101   | 97934    | 53.399   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 90904    | 52.176   | ug/L   | 93       |
| 13) Acetone                   | 2.162   | 43    | 134361   | 107.910  | ug/L   | 99       |
| 14) Carbon disulfide          | 2.291   | 76    | 274367   | 50.469   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.426   | 43    | 118123   | 50.898   | ug/L   | 98       |
| 16) Methylene chloride        | 2.503   | 84    | 111814   | 46.049   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.757   | 96    | 100982   | 50.258   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.764   | 73    | 299425   | 50.112   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.185   | 63    | 183795   | 50.677   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.908   | 96    | 106757   | 49.887   | ug/L   | 97       |
| 22) 2-Butanone                | 3.957   | 43    | 162414   | 99.157   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.243   | 128   | 58971    | 50.830   | ug/L   | 98       |
| 25) Chloroform                | 4.371   | 83    | 183478   | 49.110   | ug/L   | 95       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092921\  
 Data File : VV022371.D  
 Acq On : 29 Sep 2021 12:29  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 30 05:12:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 29 01:30:11 2021  
 Response via : Initial Calibration

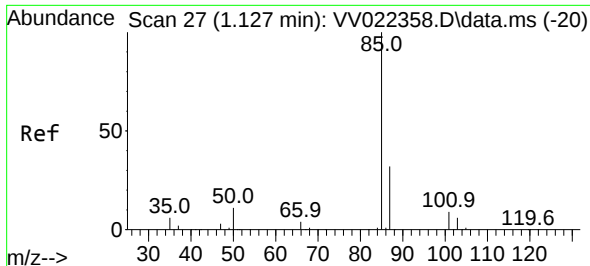
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 132776   | 49.978  | ug/L  | 99       |
| 29) Cyclohexane               | 4.674  | 56   | 158253   | 52.614  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.603  | 97   | 159865   | 51.889  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.825  | 117  | 141468   | 52.137  | ug/L  | 99       |
| 33) Benzene                   | 5.095  | 78   | 411313   | 52.507  | ug/L  | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 102353   | 50.808  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.130  | 83   | 166498   | 53.650  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 104219   | 51.840  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.506  | 83   | 130882   | 50.917  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 156513   | 52.893  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 283427   | 100.191 | ug/L  | 99       |
| 42) Toluene                   | 7.384  | 91   | 436644   | 52.220  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 149454   | 52.899  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 103204   | 50.441  | ug/L  | 100      |
| 46) Tetrachloroethene         | 7.972  | 164  | 89167    | 53.757  | ug/L  | 95       |
| 48) 2-Hexanone                | 8.136  | 43   | 228554   | 106.386 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.246  | 129  | 111620   | 51.555  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 109454   | 50.047  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.879  | 112  | 278528   | 50.632  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 454238   | 51.865  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.136  | 106  | 178909   | 53.044  | ug/L  | 99       |
| 54) o-Xylene                  | 9.541  | 106  | 176503   | 53.857  | ug/L  | 99       |
| 55) Styrene                   | 9.558  | 104  | 308570   | 54.155  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 165549   | 48.882  | ug/L  | 99       |
| 59) Bromoform                 | 9.731  | 173  | 80394    | 51.502  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.931  | 105  | 456400   | 53.253  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 126646   | 48.788  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 382629   | 54.176  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 387712   | 54.399  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 222935   | 51.312  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 223969   | 50.611  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 222686   | 50.192  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 33697    | 49.162  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 161629   | 51.569  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 134381   | 50.672  | ug/L  | 100      |
| 71) Naphthalene               | 13.503 | 128  | 423225   | 52.085  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 141099   | 51.531  | ug/L  | 100      |

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

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

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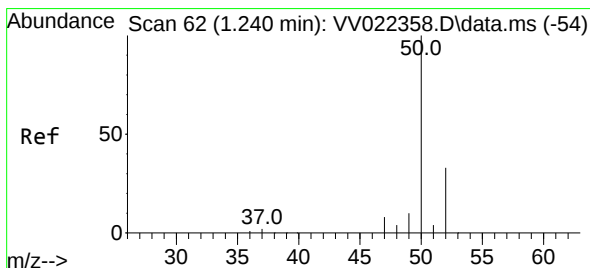
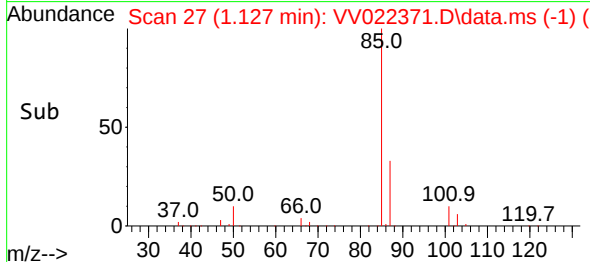
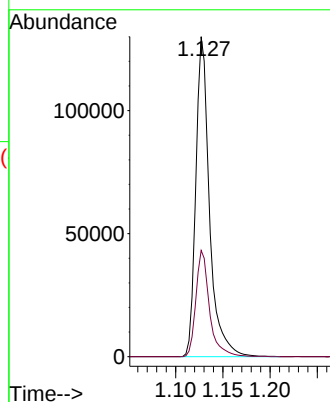
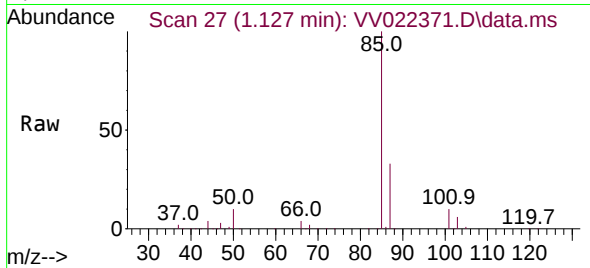




#2  
 Dichlorodifluoromethane  
 Concen: 51.841 ug/L  
 RT: 1.127 min Scan# 27  
 Delta R.T. -0.000 min  
 Lab File: VV022371.D  
 Acq: 29 Sep 2021 12:29

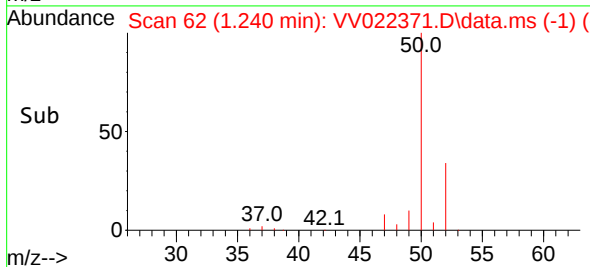
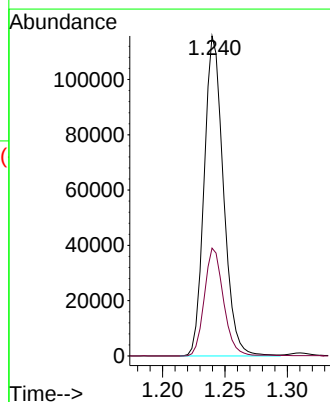
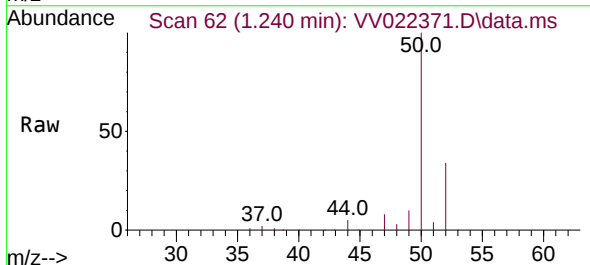
Instrument :  
 MSVOA\_V  
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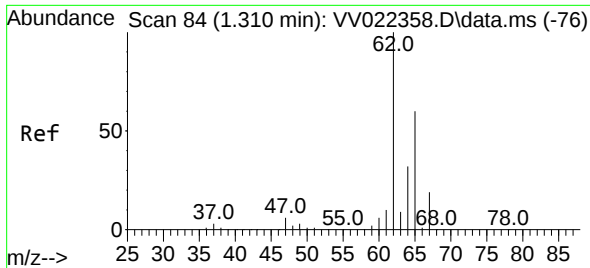
Tgt Ion: 85 Resp: 130861  
 Ion Ratio Lower Upper  
 85 100  
 87 33.1 26.2 39.2



#3  
 Chloromethane  
 Concen: 48.248 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. -0.000 min  
 Lab File: VV022371.D  
 Acq: 29 Sep 2021 12:29

Tgt Ion: 50 Resp: 124555  
 Ion Ratio Lower Upper  
 50 100  
 52 33.7 23.0 42.6

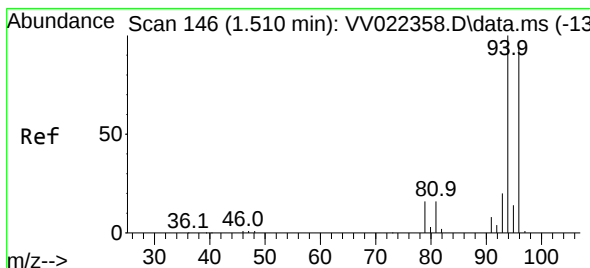
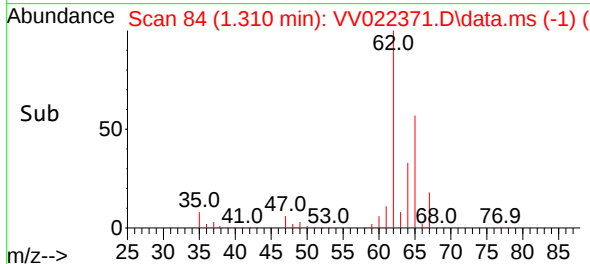
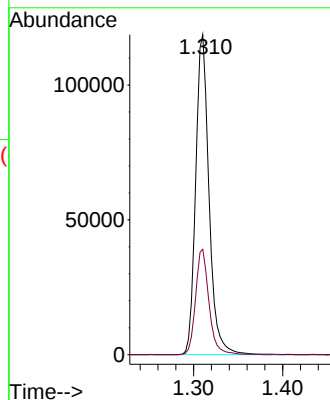
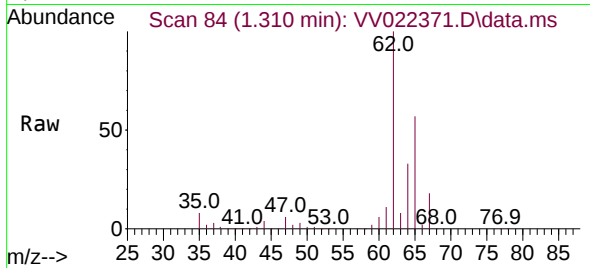




#5  
 Vinyl chloride  
 Concen: 51.497 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. -0.000 min  
 Lab File: VV022371.D  
 Acq: 29 Sep 2021 12:29

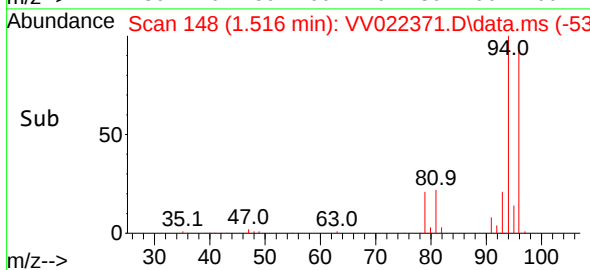
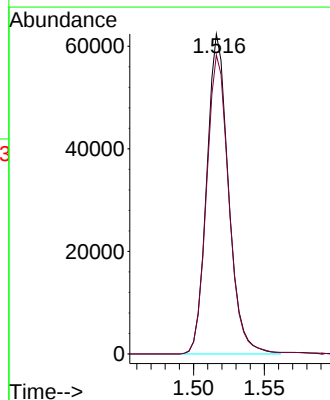
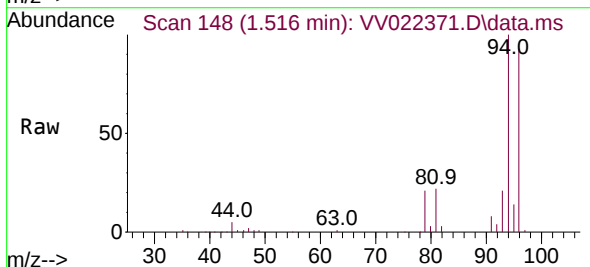
Instrument :  
 MSVOA\_V  
 ClientSampled :

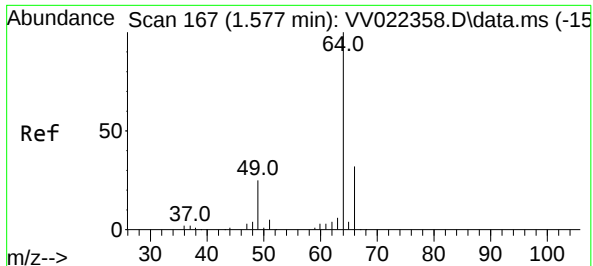
Tgt Ion: 62 Resp: 124070  
 Ion Ratio Lower Upper  
 62 100  
 64 32.9 23.4 43.6



#6  
 Bromomethane  
 Concen: 43.131 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. 0.006 min  
 Lab File: VV022371.D  
 Acq: 29 Sep 2021 12:29

Tgt Ion: 94 Resp: 66704  
 Ion Ratio Lower Upper  
 94 100  
 96 93.5 66.1 122.8

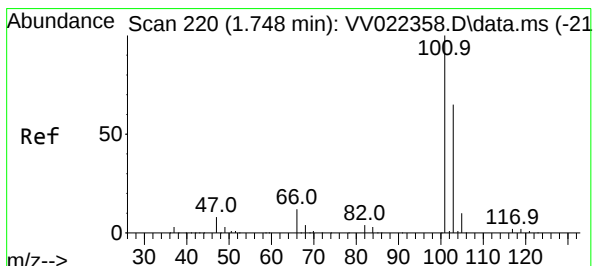
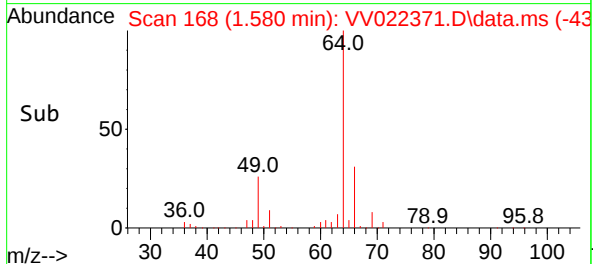
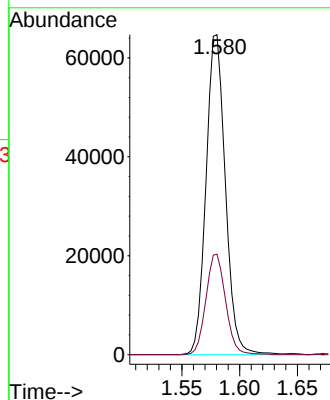
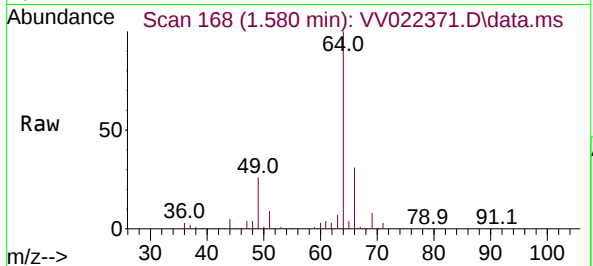




#8  
Chloroethane  
Concen: 51.315 ug/L  
RT: 1.580 min Scan# 168  
Delta R.T. 0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

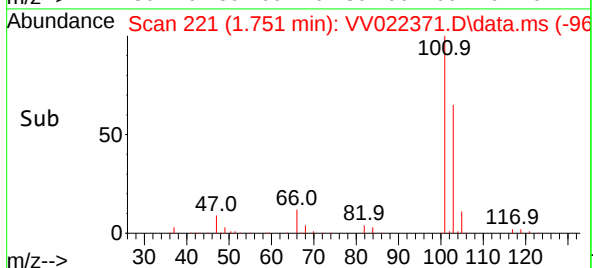
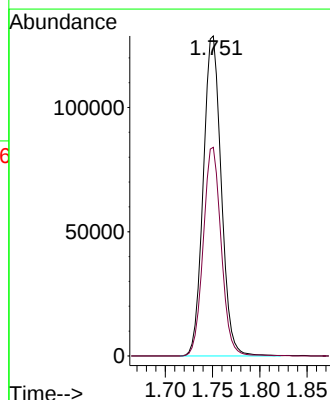
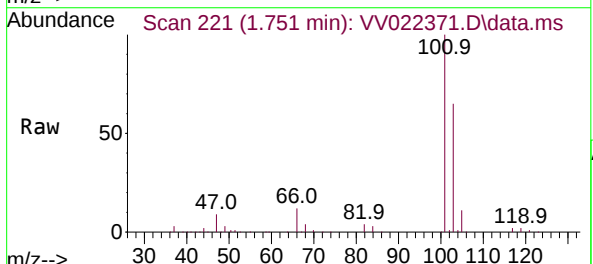
Instrument :  
MSVOA\_V  
ClientSampled :

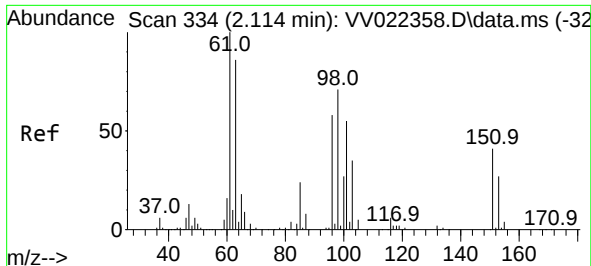
Tgt Ion: 64 Resp: 75383  
Ion Ratio Lower Upper  
64 100  
66 31.4 23.0 42.8



#9  
Trichlorofluoromethane  
Concen: 52.128 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

Tgt Ion:101 Resp: 170514  
Ion Ratio Lower Upper  
101 100  
103 64.8 51.5 77.3

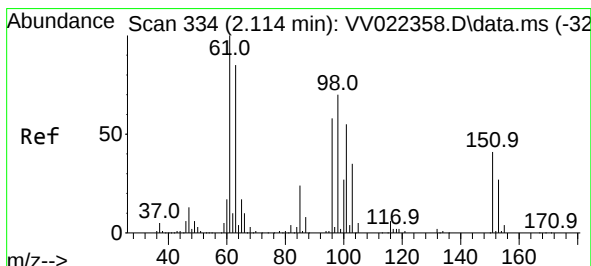
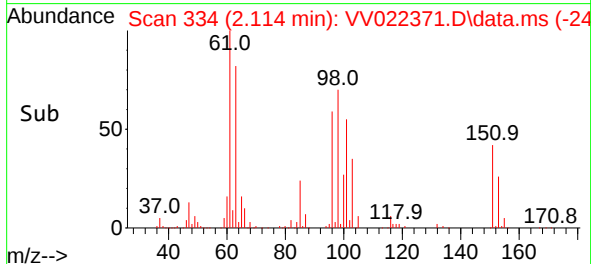
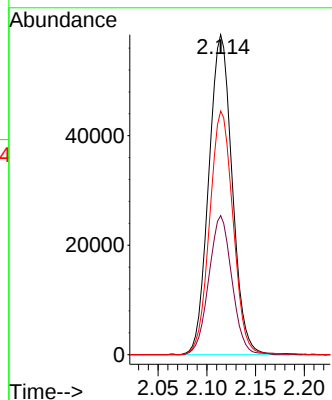
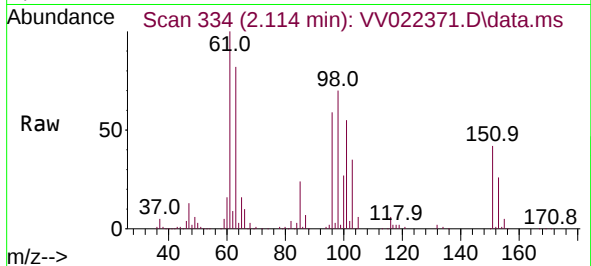




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 53.399 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. -0.000 min  
 Lab File: VV022371.D  
 Acq: 29 Sep 2021 12:29

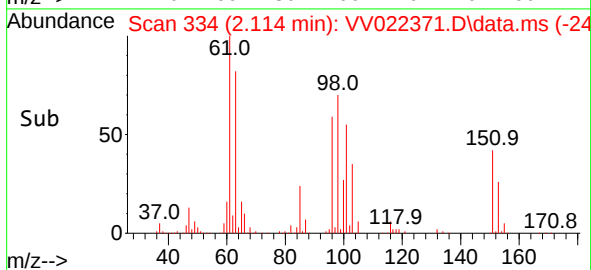
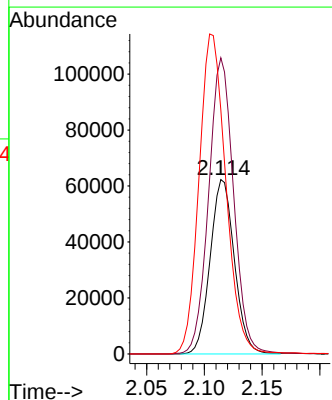
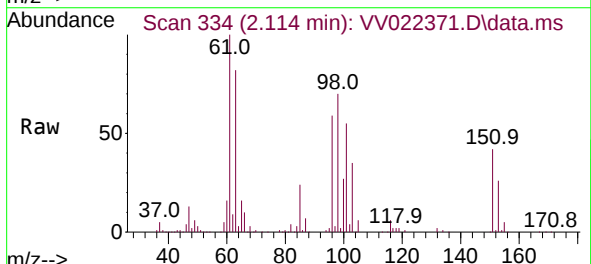
Instrument :  
 MSVOA\_V  
 ClientSampleId :

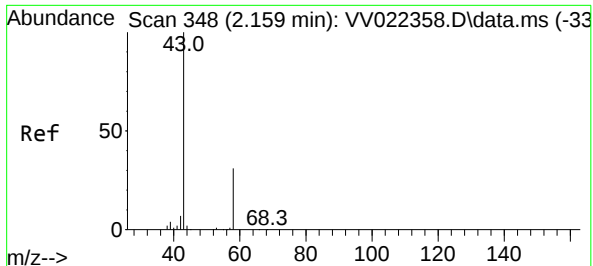
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 Ion Ratio Lower Upper  
 101 100  
 85 42.8 35.5 53.3  
 151 76.1 59.6 89.4



#12  
 1,1-Dichloroethene  
 Concen: 52.176 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. -0.000 min  
 Lab File: VV022371.D  
 Acq: 29 Sep 2021 12:29

Tgt Ion: 96 Resp: 90904  
 Ion Ratio Lower Upper  
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 61 169.9 124.4 231.0  
 63 140.0 106.0 196.8

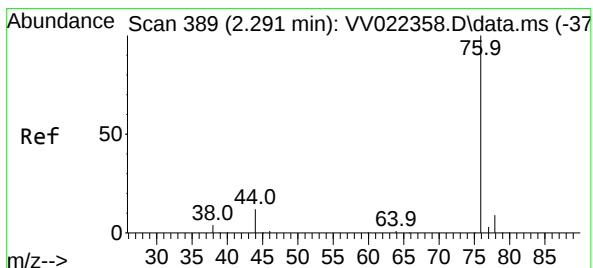
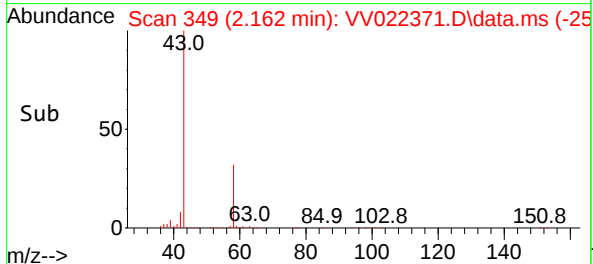
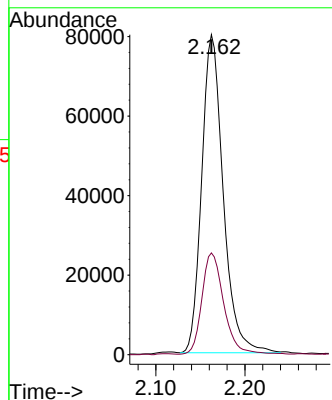
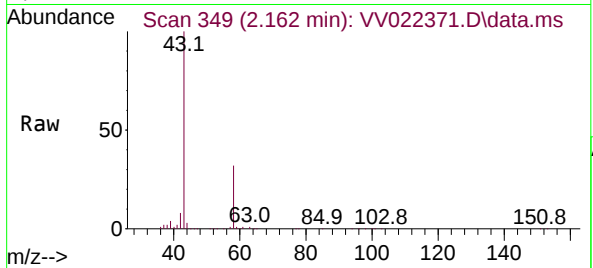




#13  
Acetone  
Concen: 107.910 ug/L  
RT: 2.162 min Scan# 349  
Delta R.T. 0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

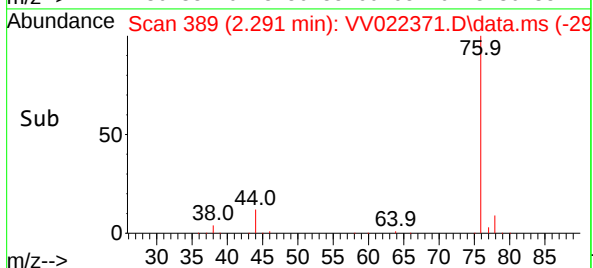
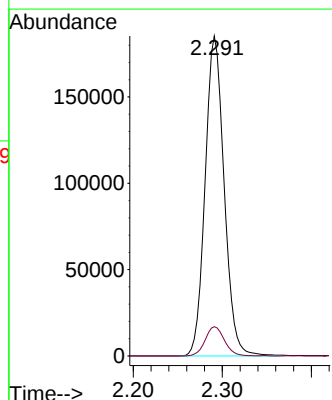
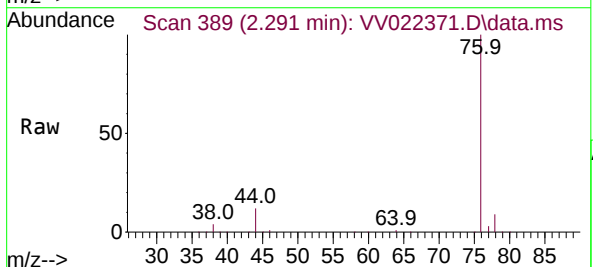
Instrument :  
MSVOA\_V  
ClientSampled :

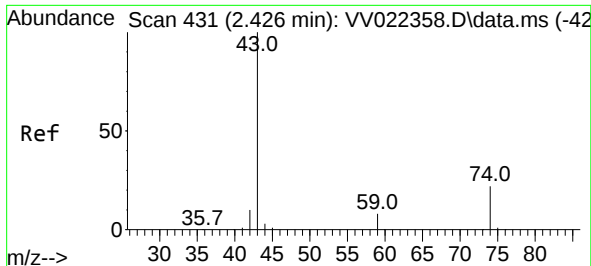
Tgt Ion: 43 Resp: 134361  
Ion Ratio Lower Upper  
43 100  
58 33.0 0.0 67.2



#14  
Carbon disulfide  
Concen: 50.469 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. -0.000 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

Tgt Ion: 76 Resp: 274367  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.4 11.0

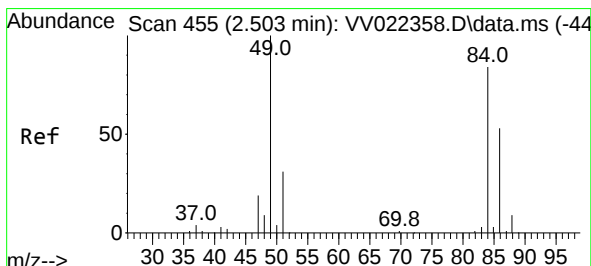
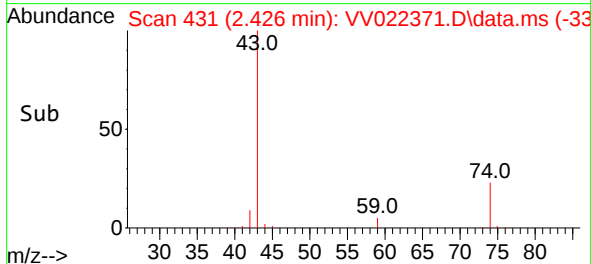
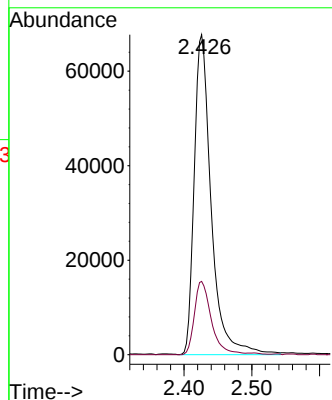
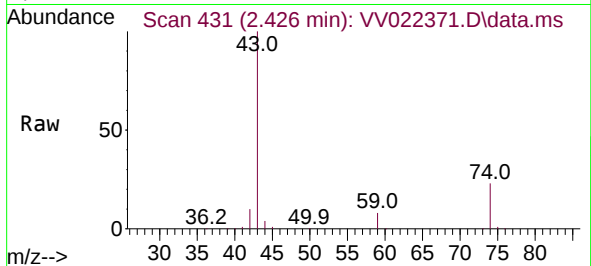




#15  
Methyl Acetate  
Concen: 50.898 ug/L  
RT: 2.426 min Scan# 431  
Delta R.T. -0.000 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

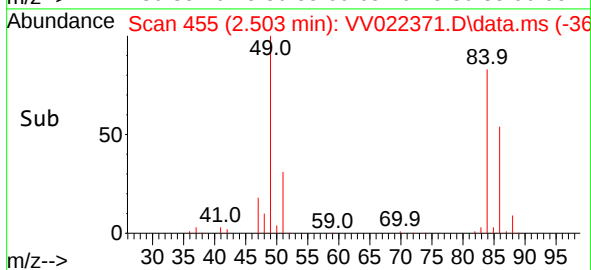
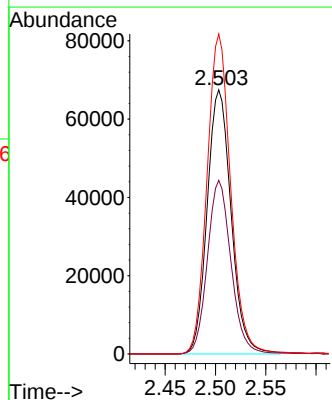
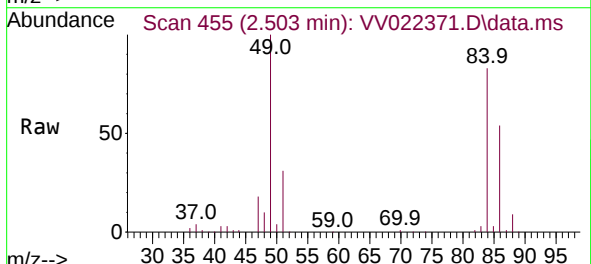
Instrument :  
MSVOA\_V  
ClientSampleId :

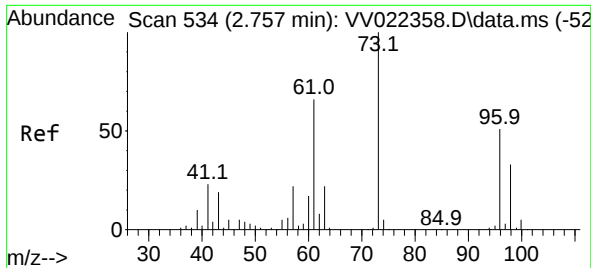
Tgt Ion: 43 Resp: 118123  
Ion Ratio Lower Upper  
43 100  
74 22.7 19.0 28.6



#16  
Methylene chloride  
Concen: 46.049 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

Tgt Ion: 84 Resp: 111814  
Ion Ratio Lower Upper  
84 100  
86 65.7 44.6 82.8  
49 121.1 85.3 158.3



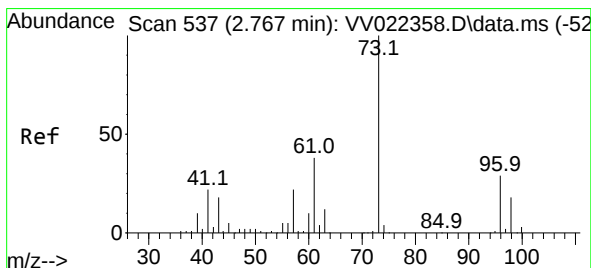
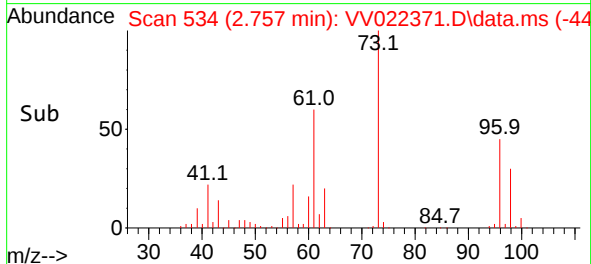
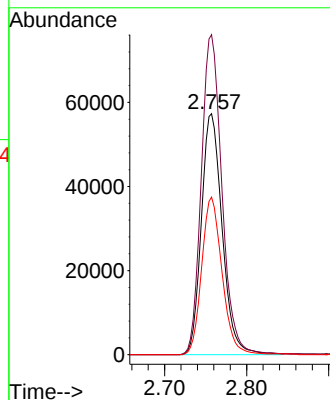
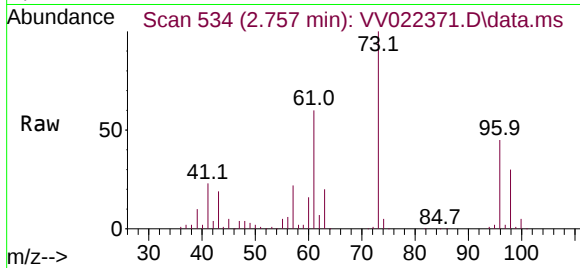


#17  
 trans-1,2-Dichloroethene  
 Concen: 50.258 ug/L  
 RT: 2.757 min Scan# 534  
 Delta R.T. -0.000 min  
 Lab File: VV022371.D  
 Acq: 29 Sep 2021 12:29

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tgt Ion: 96 Resp: 100982  

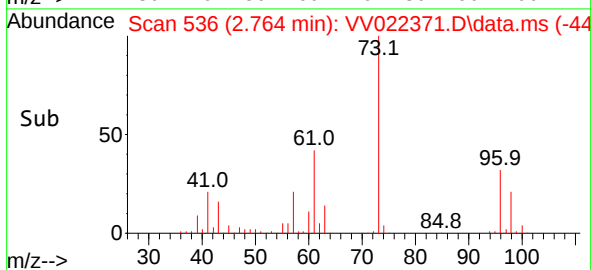
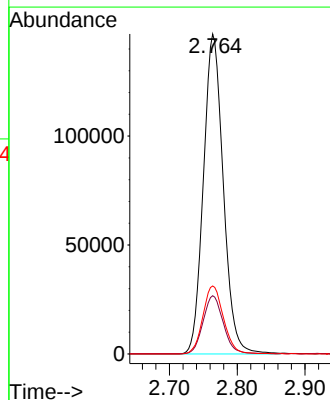
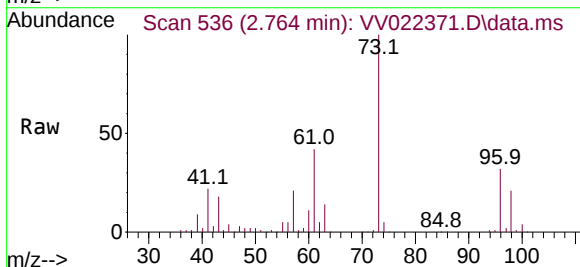
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.8 | 92.7  | 172.1 |
| 98  | 65.4  | 44.4  | 82.5  |

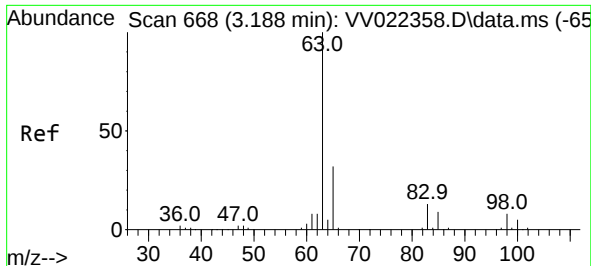


#18  
 Methyl tert-butyl Ether  
 Concen: 50.112 ug/L  
 RT: 2.764 min Scan# 536  
 Delta R.T. -0.003 min  
 Lab File: VV022371.D  
 Acq: 29 Sep 2021 12:29

Tgt Ion: 73 Resp: 299425  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 18.3  | 14.6  | 21.8  |
| 57  | 22.1  | 17.6  | 26.4  |





#19

1,1-Dichloroethane

Concen: 50.677 ug/L

RT: 3.185 min Scan# 667

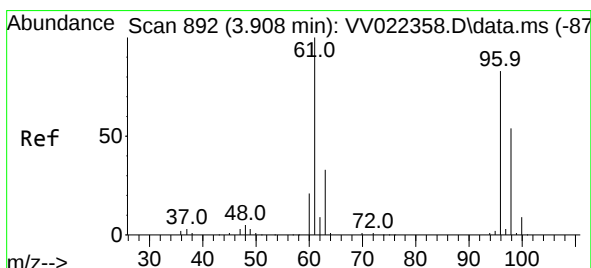
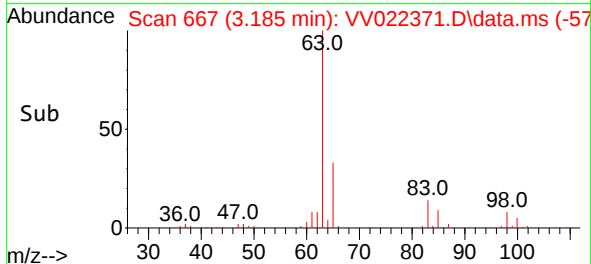
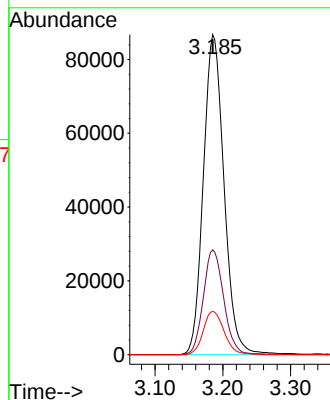
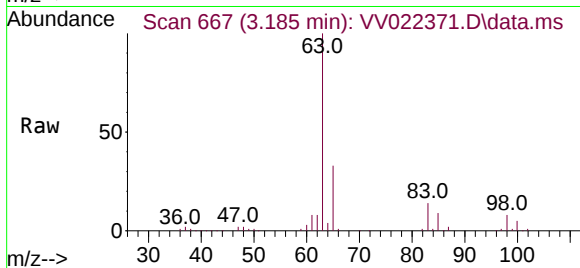
Delta R.T. -0.003 min

Lab File: VV022371.D

Acq: 29 Sep 2021 12:29

Tgt Ion: 63 Resp: 183795

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.7  | 22.3  | 41.3  |
| 83  | 13.5  | 9.4   | 17.4  |



#20

cis-1,2-Dichloroethene

Concen: 49.887 ug/L

RT: 3.908 min Scan# 892

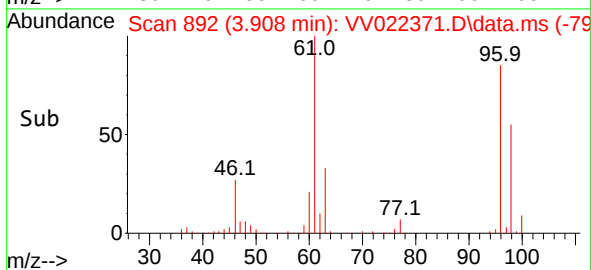
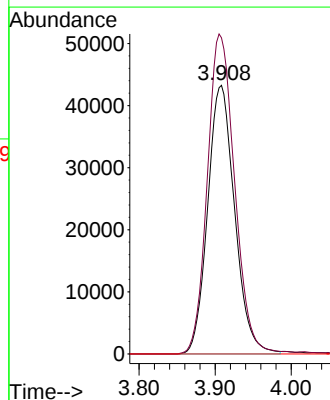
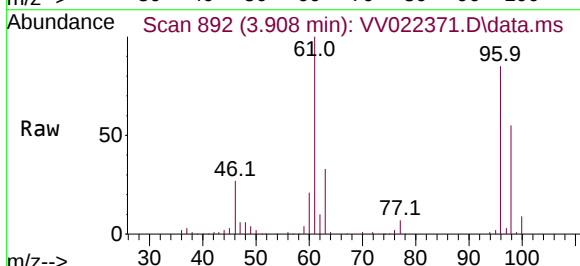
Delta R.T. -0.000 min

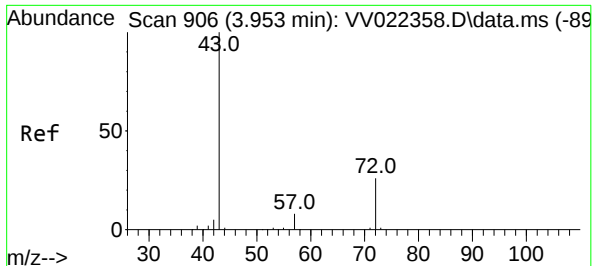
Lab File: VV022371.D

Acq: 29 Sep 2021 12:29

Tgt Ion: 96 Resp: 106757

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 117.7 | 84.6  | 157.0 |
| 68  | 0.0   | 0.0   | 0.0   |

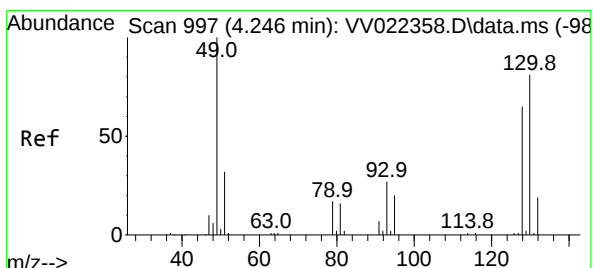
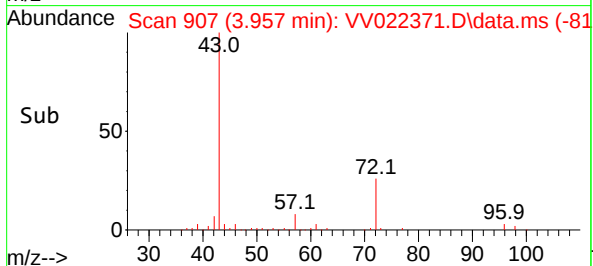
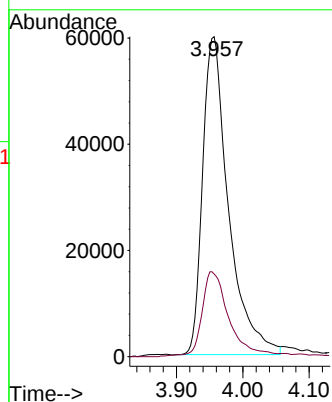
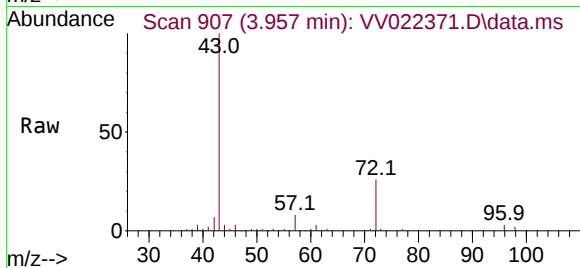




#22  
2-Butanone  
Concen: 99.157 ug/L  
RT: 3.957 min Scan# 907  
Delta R.T. 0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

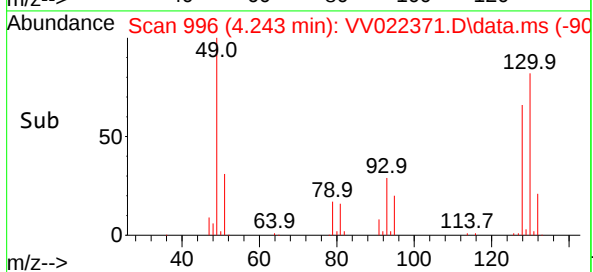
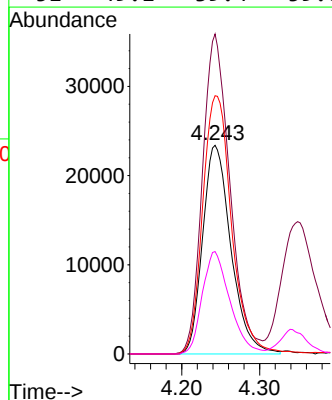
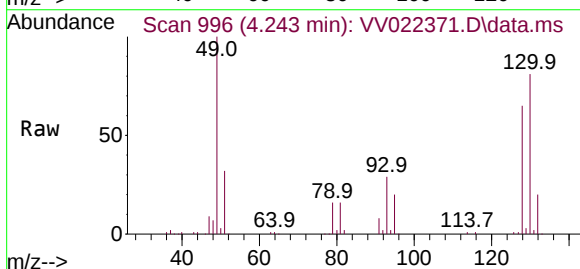
Instrument :  
MSVOA\_V  
ClientSampled :

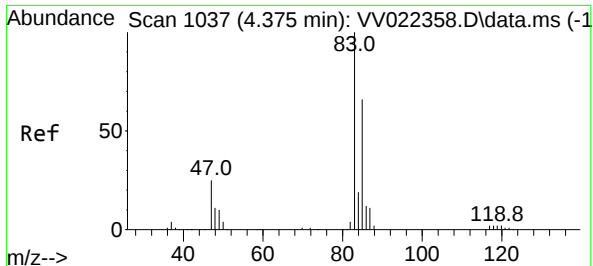
Tgt Ion: 43 Resp: 162414  
Ion Ratio Lower Upper  
43 100  
72 27.9 13.8 41.4



#23  
Bromochloromethane  
Concen: 50.830 ug/L  
RT: 4.243 min Scan# 996  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

Tgt Ion:128 Resp: 58971  
Ion Ratio Lower Upper  
128 100  
49 153.3 109.1 202.7  
130 123.8 89.3 165.9  
51 49.1 39.4 59.0





#25

Chloroform

Concen: 49.110 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VV022371.D

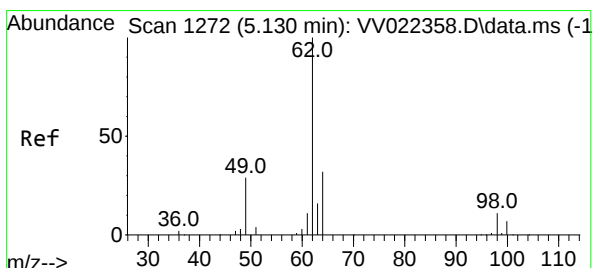
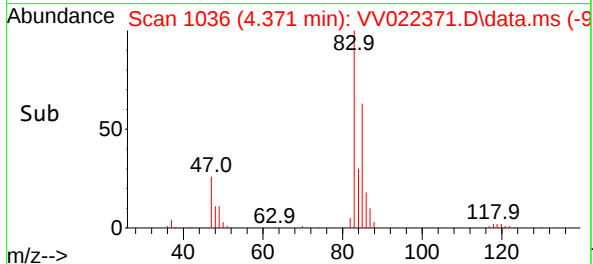
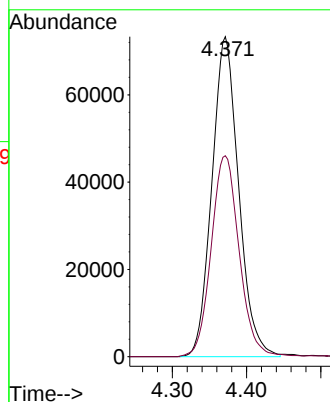
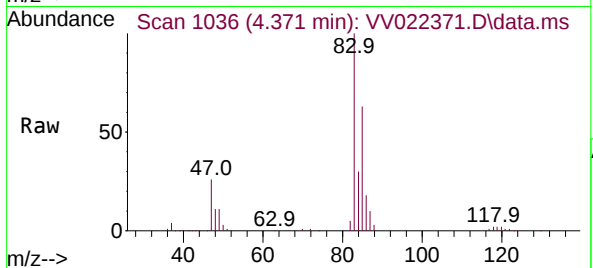
Acq: 29 Sep 2021 12:29

Tgt Ion: 83 Resp: 183478

Ion Ratio Lower Upper

83 100

85 62.8 46.5 86.3



#27

1,2-Dichloroethane

Concen: 49.978 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.007 min

Lab File: VV022371.D

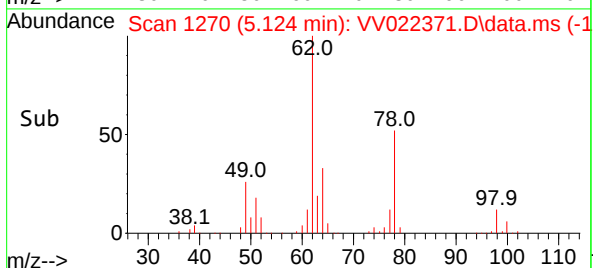
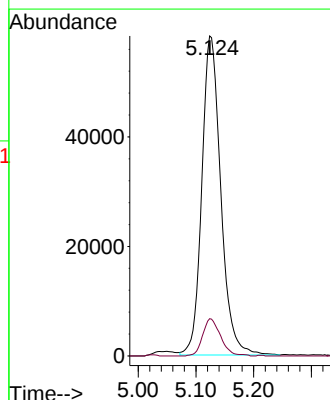
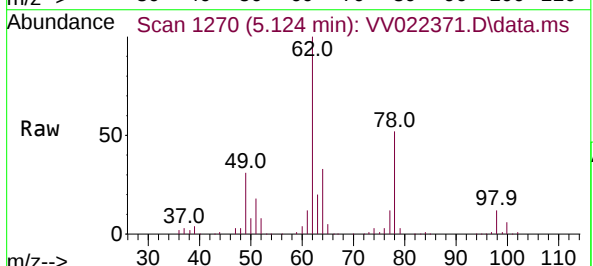
Acq: 29 Sep 2021 12:29

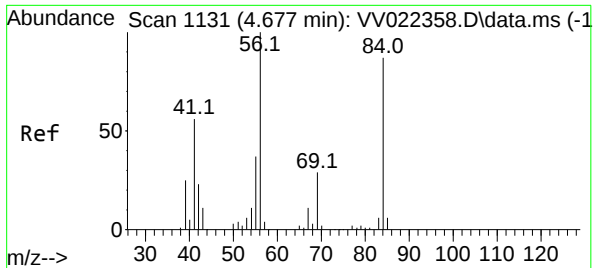
Tgt Ion: 62 Resp: 132776

Ion Ratio Lower Upper

62 100

98 11.6 8.9 13.3





#29

Cyclohexane

Concen: 52.614 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VV022371.D

Acq: 29 Sep 2021 12:29

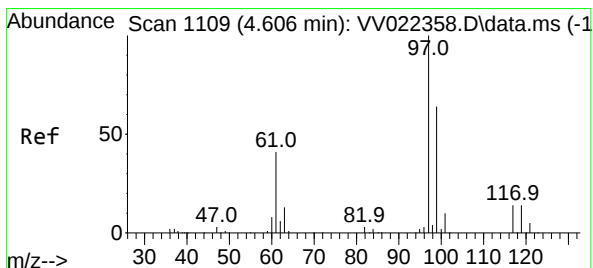
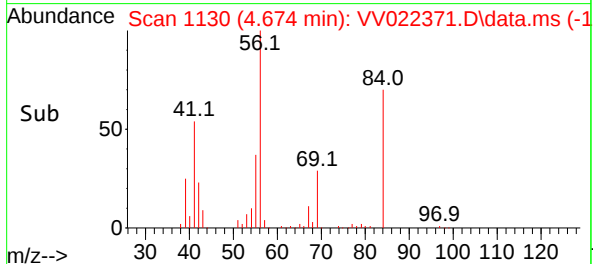
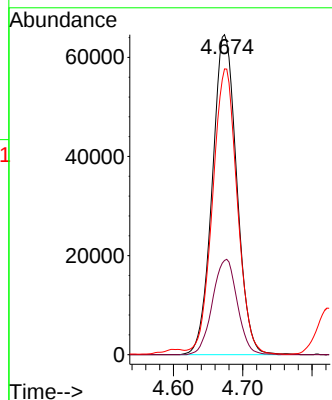
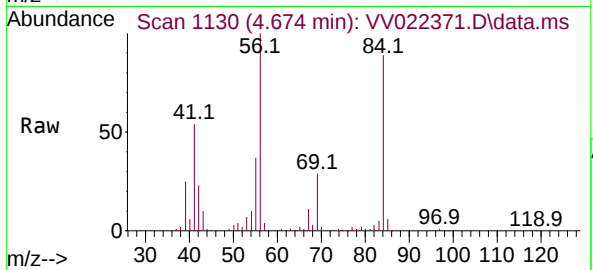
Tgt Ion: 56 Resp: 158253

Ion Ratio Lower Upper

56 100

69 30.2 24.6 37.0

84 90.0 71.8 107.8



#30

1,1,1-Trichloroethane

Concen: 51.889 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VV022371.D

Acq: 29 Sep 2021 12:29

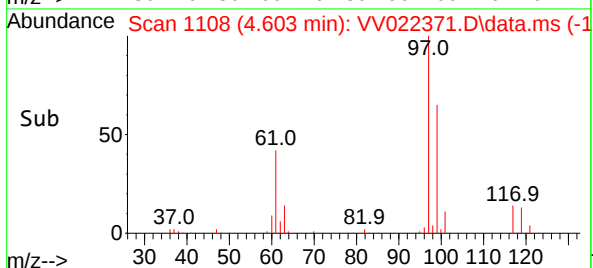
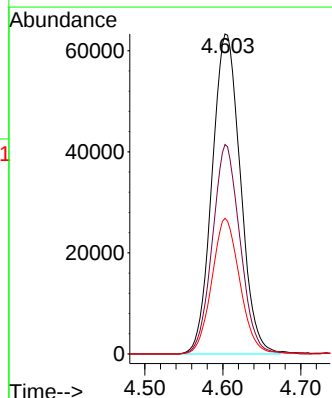
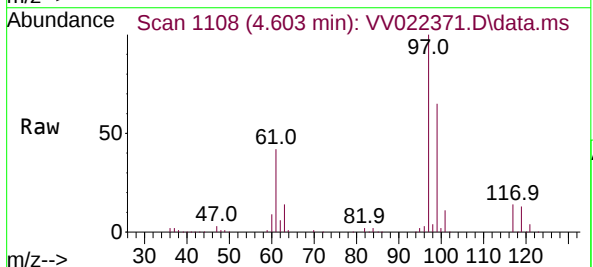
Tgt Ion: 97 Resp: 159865

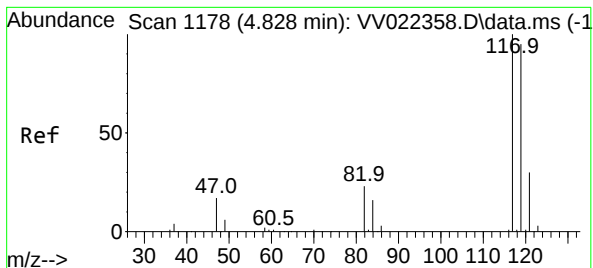
Ion Ratio Lower Upper

97 100

99 63.9 51.2 76.8

61 41.7 33.7 50.5

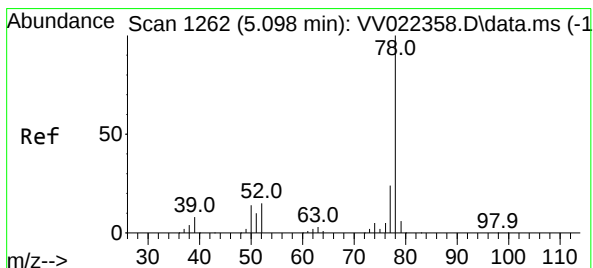
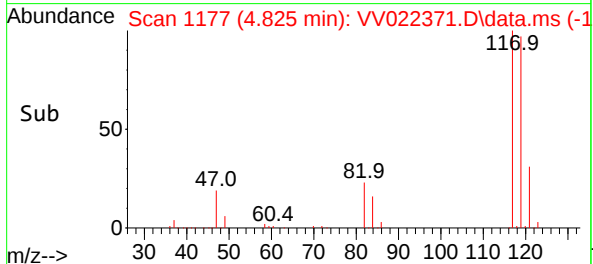
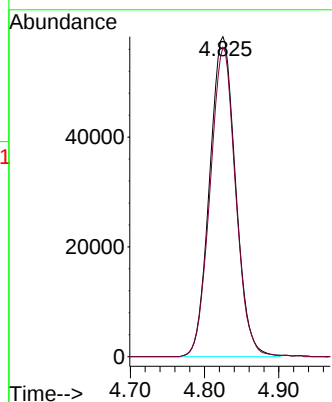
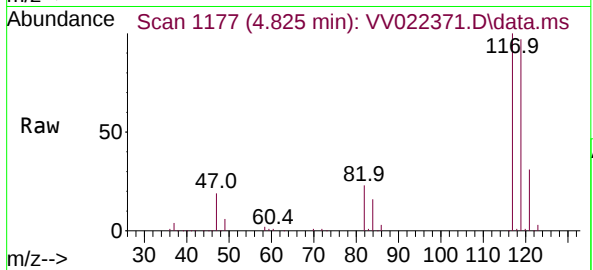




#31  
Carbon tetrachloride  
Concen: 52.137 ug/L  
RT: 4.825 min Scan# 1177  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

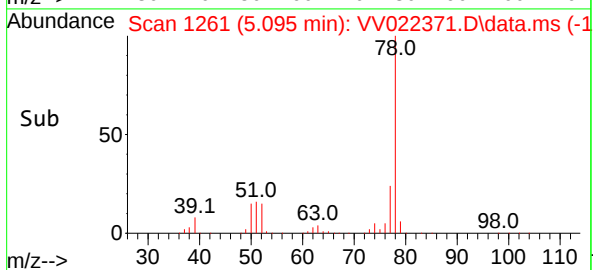
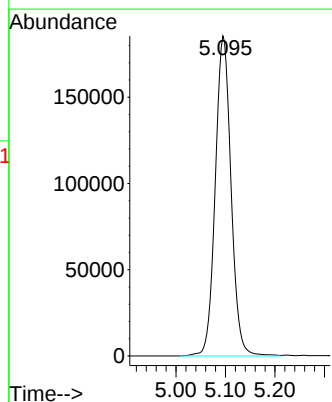
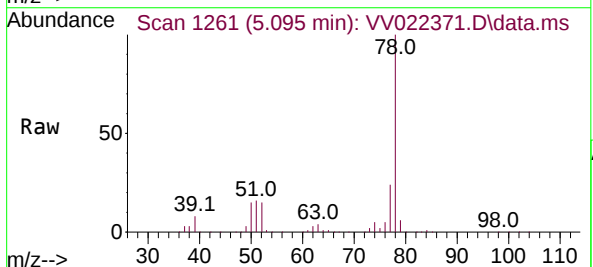
Instrument :  
MSVOA\_V  
ClientSampleId :

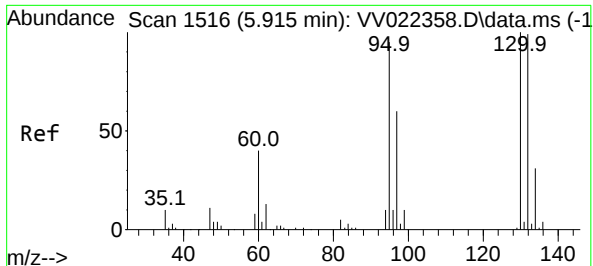
Tgt Ion:117 Resp: 141468  
Ion Ratio Lower Upper  
117 100  
119 95.0 77.1 115.7



#33  
Benzene  
Concen: 52.507 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

Tgt Ion: 78 Resp: 411313





#34

Trichloroethene

Concen: 50.808 ug/L

RT: 5.911 min Scan# 1515

Delta R.T. -0.003 min

Lab File: VV022371.D

Acq: 29 Sep 2021 12:29

Tgt Ion: 95 Resp: 102353

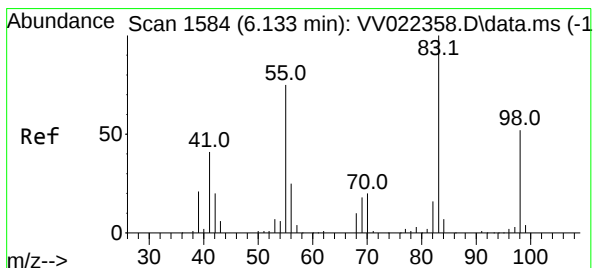
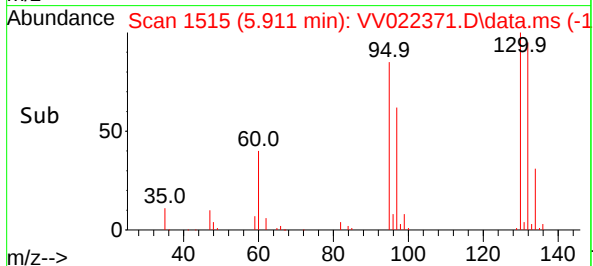
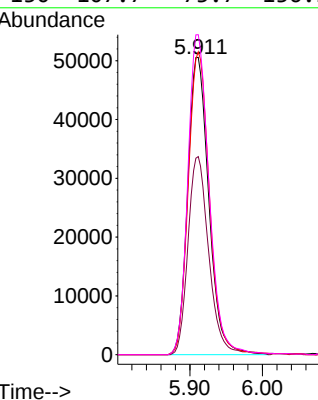
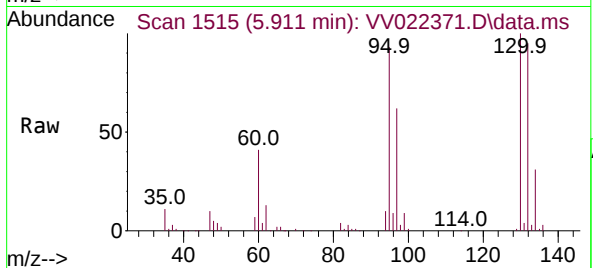
Ion Ratio Lower Upper

95 100

97 66.6 45.2 84.0

132 101.9 71.0 131.8

130 107.7 73.7 136.9



#35

Methylcyclohexane

Concen: 53.650 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. -0.003 min

Lab File: VV022371.D

Acq: 29 Sep 2021 12:29

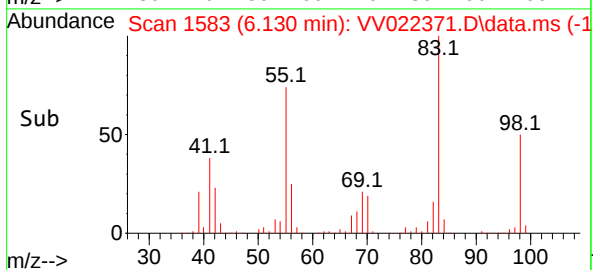
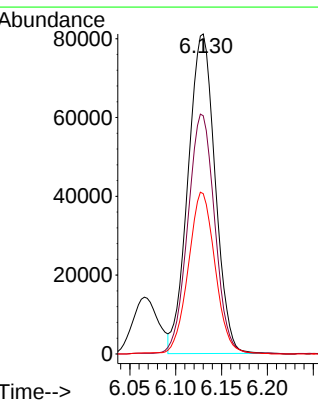
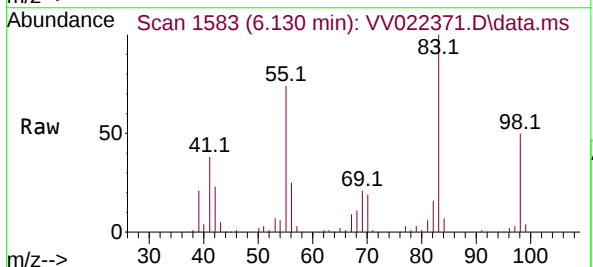
Tgt Ion: 83 Resp: 166498

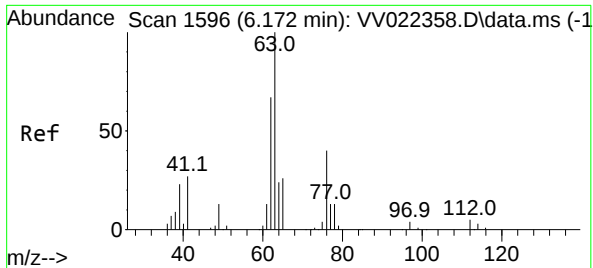
Ion Ratio Lower Upper

83 100

55 74.2 58.6 87.8

98 49.8 39.2 58.8

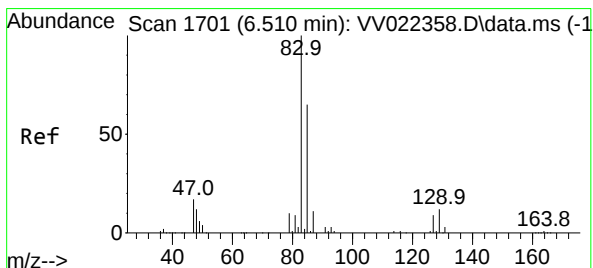
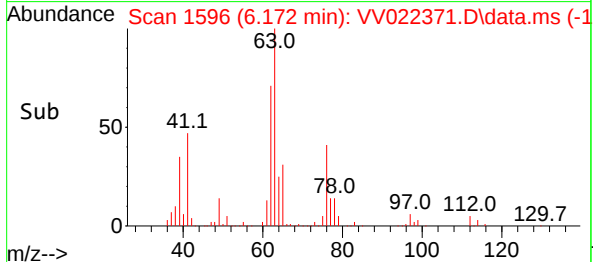
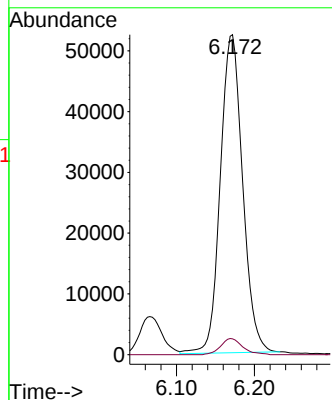
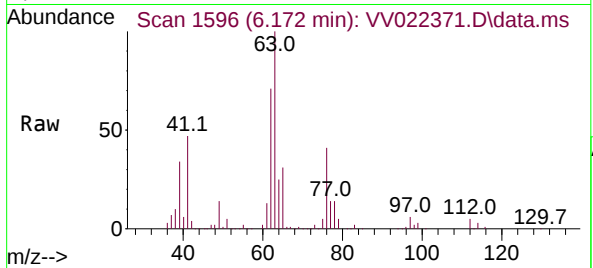




#37  
1,2-Dichloropropane  
Concen: 51.840 ug/L  
RT: 6.172 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

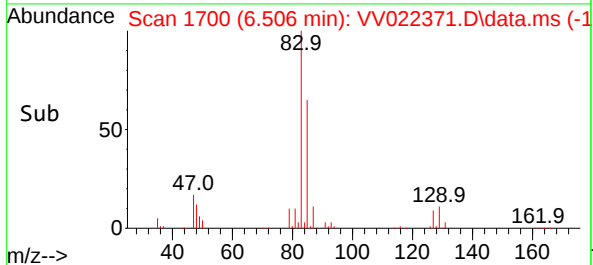
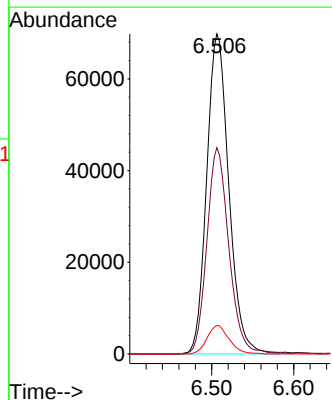
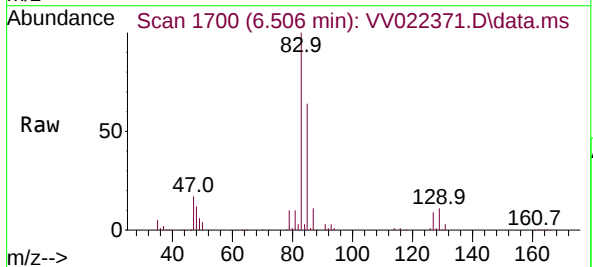
Instrument :  
MSVOA\_V  
ClientSampled :

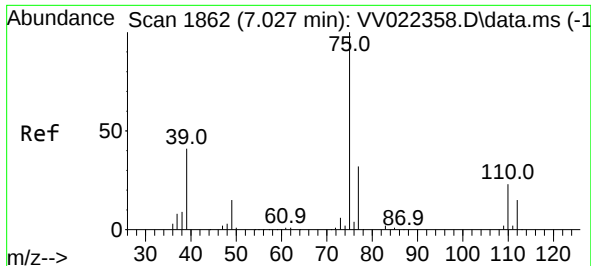
Tgt Ion: 63 Resp: 104219  
Ion Ratio Lower Upper  
63 100  
112 5.0 3.9 5.9



#38  
Bromodichloromethane  
Concen: 50.917 ug/L  
RT: 6.506 min Scan# 1700  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

Tgt Ion: 83 Resp: 130882  
Ion Ratio Lower Upper  
83 100  
85 64.5 43.2 80.2  
127 8.9 6.6 10.0

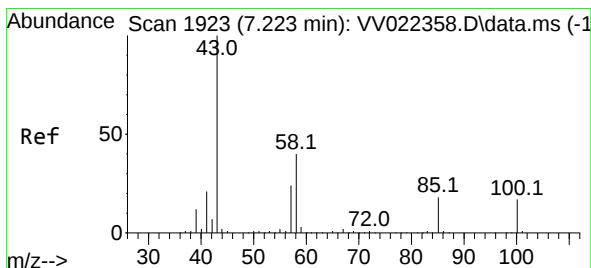
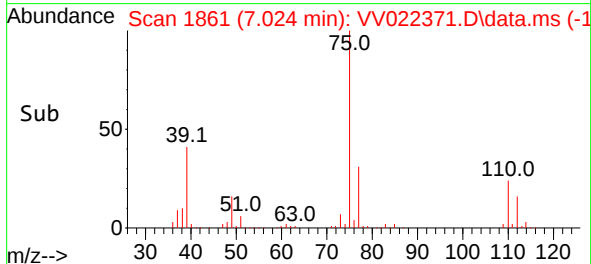
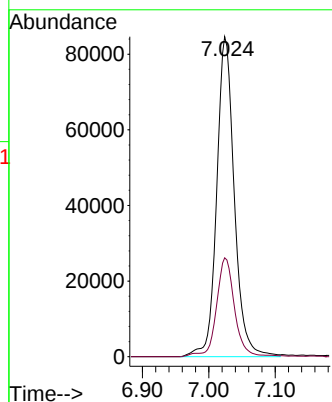
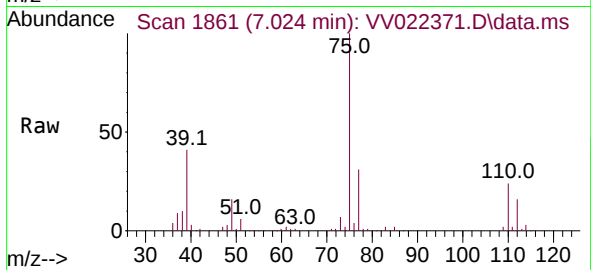




#39  
 cis-1,3-Dichloropropene  
 Concen: 52.893 ug/L  
 RT: 7.024 min Scan# 1861  
 Delta R.T. -0.003 min  
 Lab File: VV022371.D  
 Acq: 29 Sep 2021 12:29

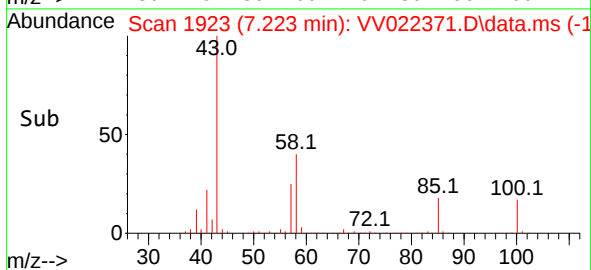
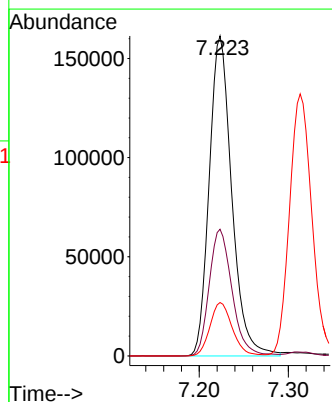
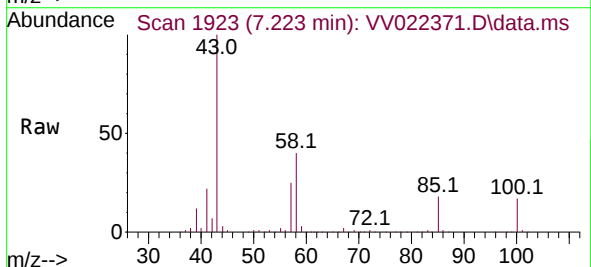
Instrument :  
 MSVOA\_V  
 ClientSampled :

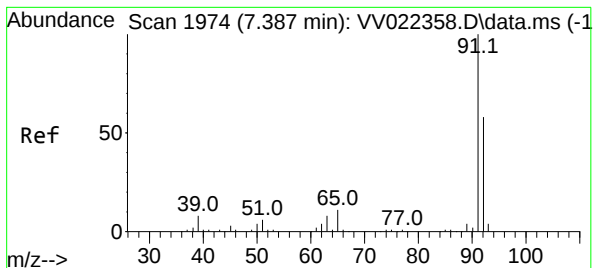
Tgt Ion: 75 Resp: 156513  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 22.7 42.1



#40  
 4-Methyl-2-pentanone  
 Concen: 100.191 ug/L  
 RT: 7.223 min Scan# 1923  
 Delta R.T. -0.000 min  
 Lab File: VV022371.D  
 Acq: 29 Sep 2021 12:29

Tgt Ion: 43 Resp: 283427  
 Ion Ratio Lower Upper  
 43 100  
 58 40.1 31.6 47.4  
 100 16.6 13.1 19.7





#42

Toluene

Concen: 52.220 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. -0.003 min

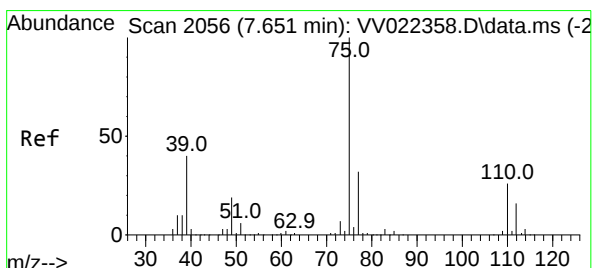
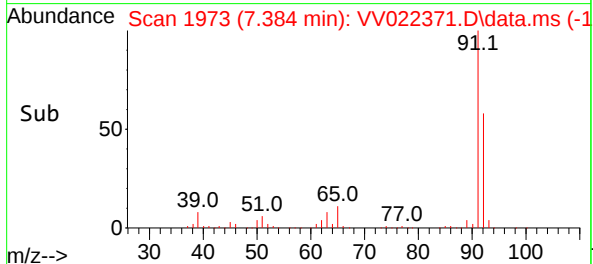
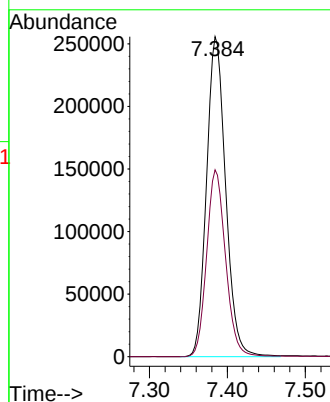
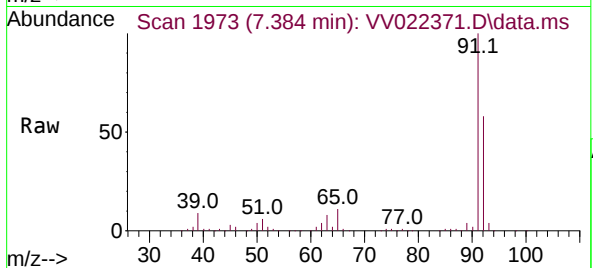
Lab File: VV022371.D

Acq: 29 Sep 2021 12:29

Tgt Ion: 91 Resp: 436644

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 58.4  | 40.2  | 74.6  |

Instrument :  
MSVOA\_V  
ClientSampled :



#44

trans-1,3-Dichloropropene

Concen: 52.899 ug/L

RT: 7.648 min Scan# 2055

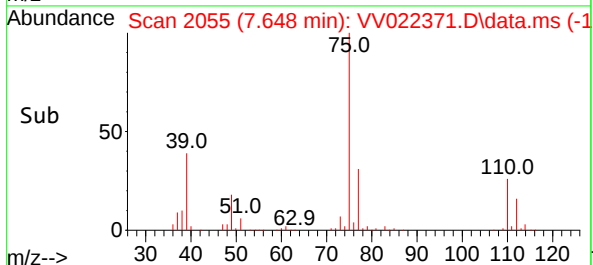
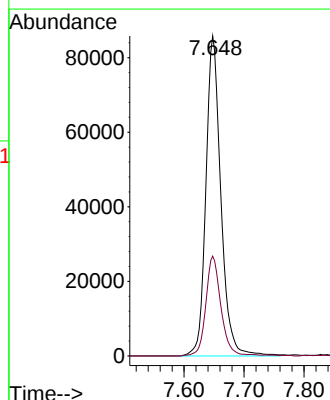
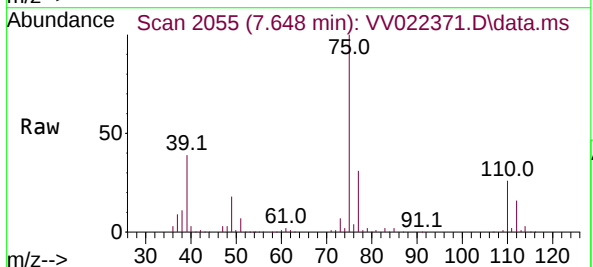
Delta R.T. -0.003 min

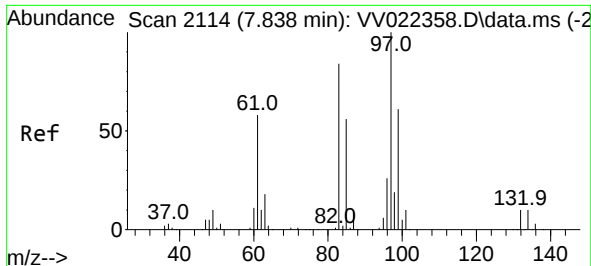
Lab File: VV022371.D

Acq: 29 Sep 2021 12:29

Tgt Ion: 75 Resp: 149454

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 31.2  | 22.3  | 41.3  |





#45

1,1,2-Trichloroethane

Concen: 50.441 ug/L

RT: 7.837 min Scan# 2114

Delta R.T. -0.000 min

Lab File: VV022371.D

Acq: 29 Sep 2021 12:29

Tgt Ion: 97 Resp: 103204

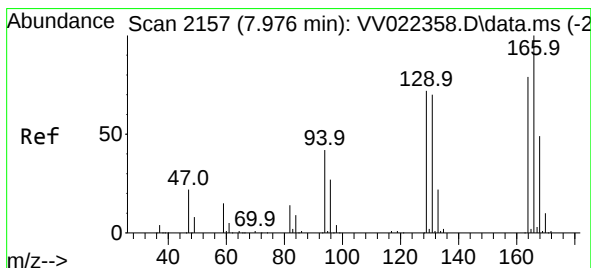
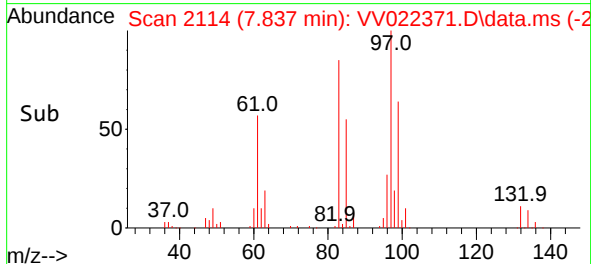
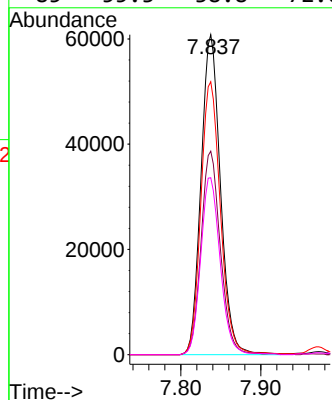
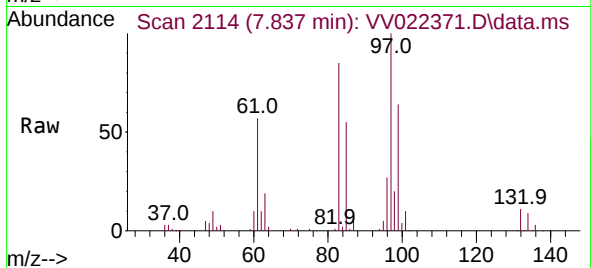
Ion Ratio Lower Upper

97 100

99 63.6 44.6 82.8

83 85.3 59.8 111.1

85 55.3 38.8 72.0



#46

Tetrachloroethene

Concen: 53.757 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.003 min

Lab File: VV022371.D

Acq: 29 Sep 2021 12:29

Tgt Ion: 164 Resp: 89167

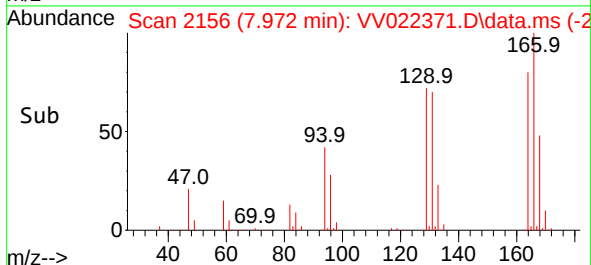
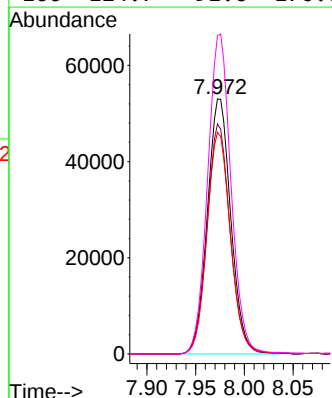
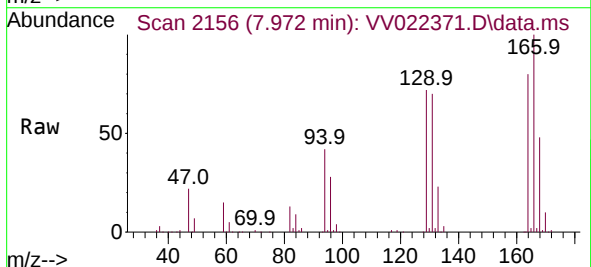
Ion Ratio Lower Upper

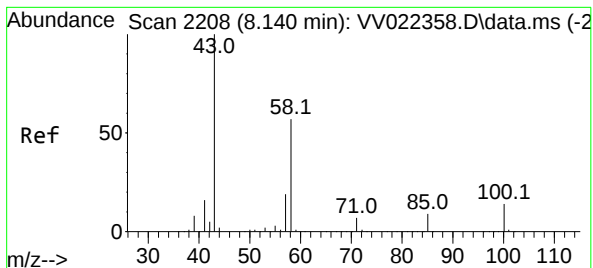
164 100

129 90.2 66.4 123.4

131 86.9 63.6 118.0

166 124.7 91.6 170.0





#48

2-Hexanone

Concen: 106.386 ug/L

RT: 8.136 min Scan# 2207

Delta R.T. -0.003 min

Lab File: VV022371.D

Acq: 29 Sep 2021 12:29

Tgt Ion: 43 Resp: 228554

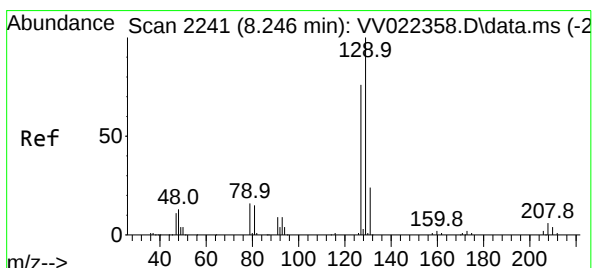
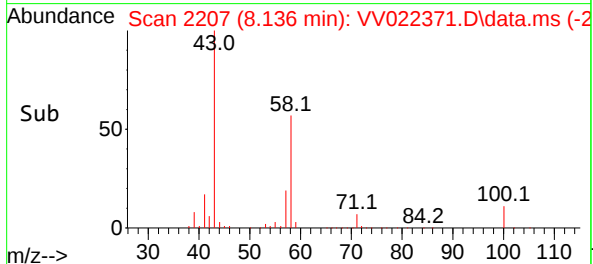
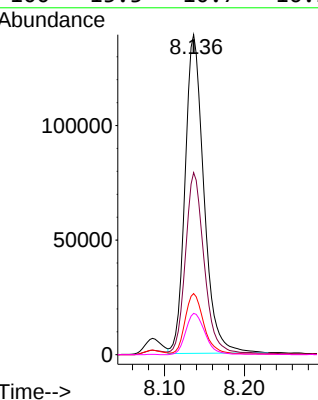
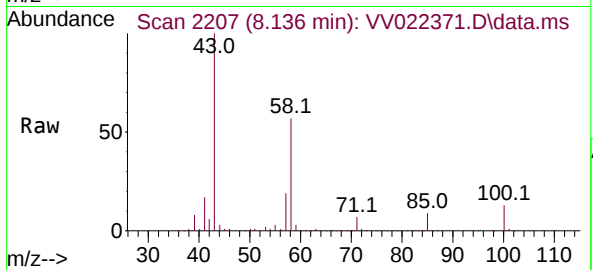
Ion Ratio Lower Upper

43 100

58 55.6 45.4 68.2

57 18.4 15.0 22.4

100 13.3 10.7 16.1



#49

Dibromochloromethane

Concen: 51.555 ug/L

RT: 8.246 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VV022371.D

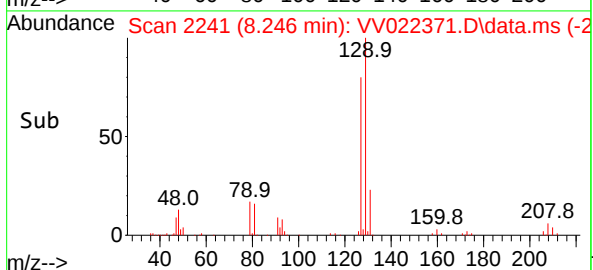
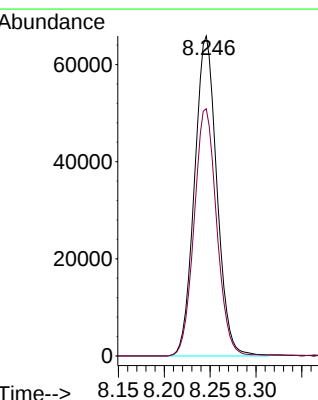
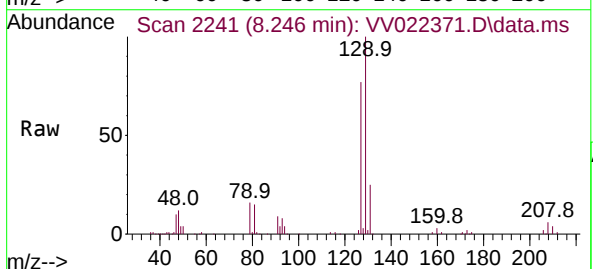
Acq: 29 Sep 2021 12:29

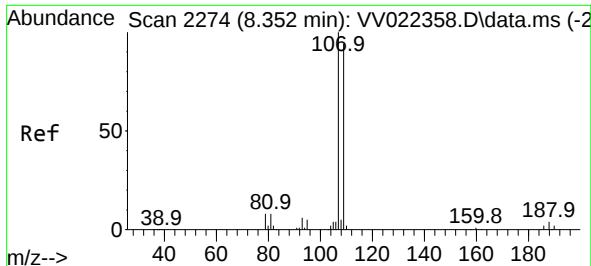
Tgt Ion: 129 Resp: 111620

Ion Ratio Lower Upper

129 100

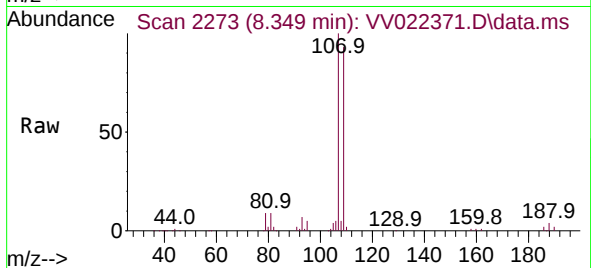
127 77.3 54.7 101.7



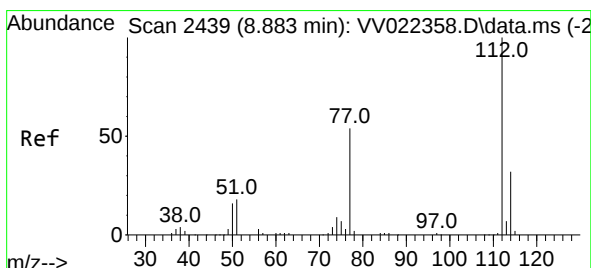
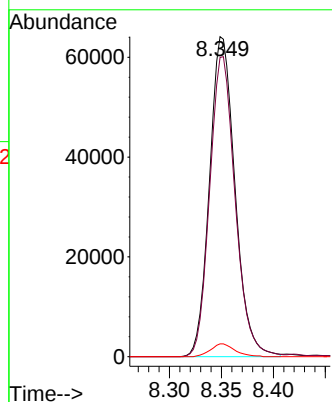
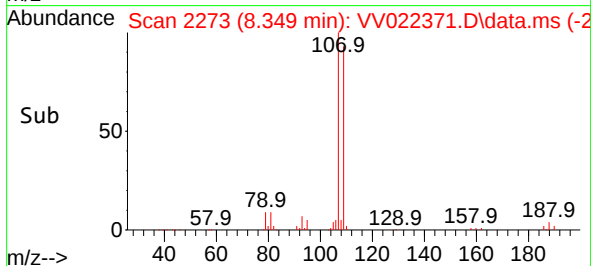


#50  
1,2-Dibromoethane  
Concen: 50.047 ug/L  
RT: 8.349 min Scan# 2273  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

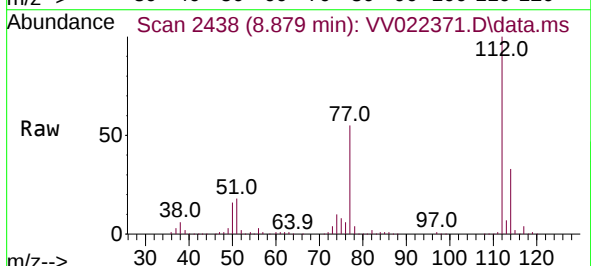
Instrument :  
MSVOA\_V  
ClientSampleId :



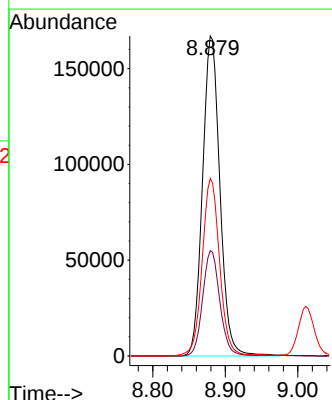
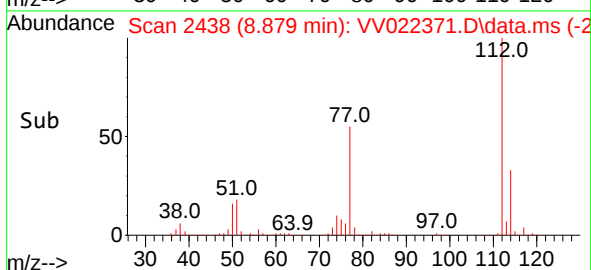
Tgt Ion:107 Resp: 109454  
Ion Ratio Lower Upper  
107 100  
109 93.5 64.7 120.1  
188 4.0 2.9 4.3

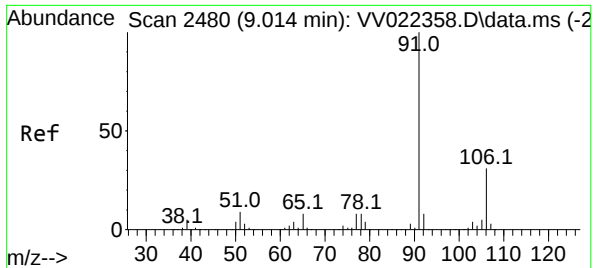


#51  
Chlorobenzene  
Concen: 50.632 ug/L  
RT: 8.879 min Scan# 2438  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29



Tgt Ion:112 Resp: 278528  
Ion Ratio Lower Upper  
112 100  
114 32.9 22.7 42.1  
77 55.5 43.9 65.9

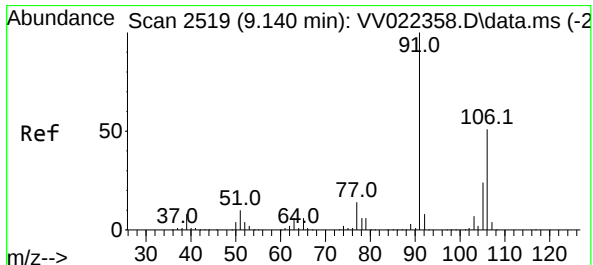
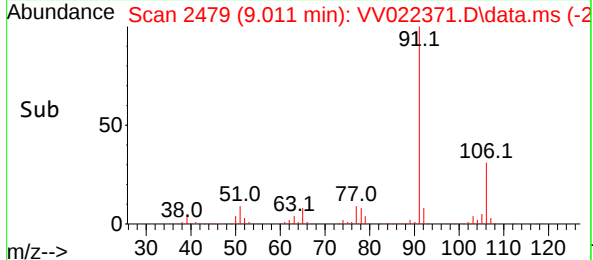
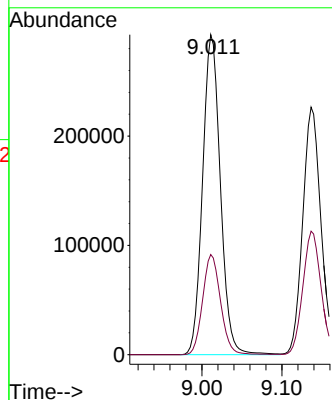
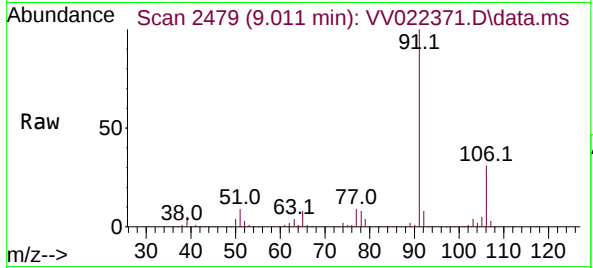




#52  
Ethylbenzene  
Concen: 51.865 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

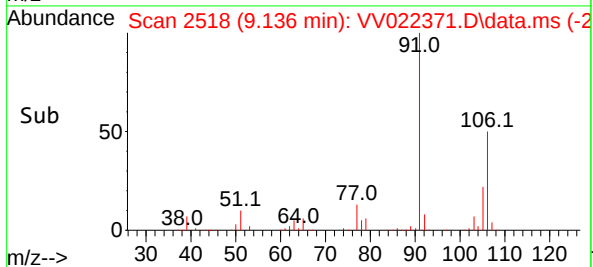
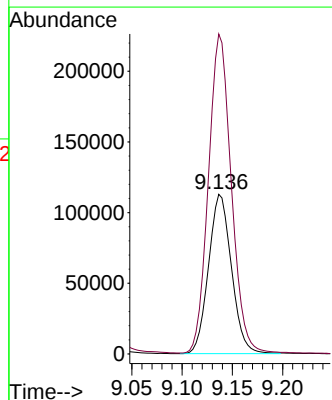
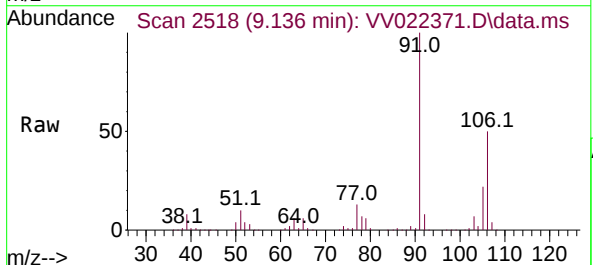
Instrument :  
MSVOA\_V  
ClientSampled :

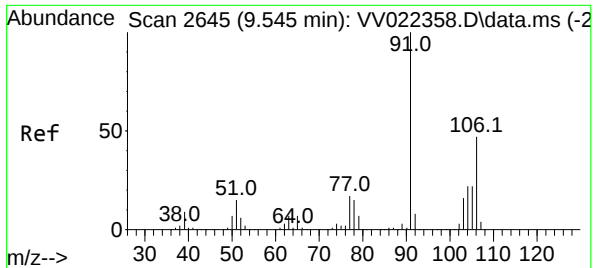
Tgt Ion: 91 Resp: 454238  
Ion Ratio Lower Upper  
91 100  
106 31.3 22.0 40.8



#53  
m,p-Xylene  
Concen: 53.044 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

Tgt Ion: 106 Resp: 178909  
Ion Ratio Lower Upper  
106 100  
91 200.4 139.2 258.6

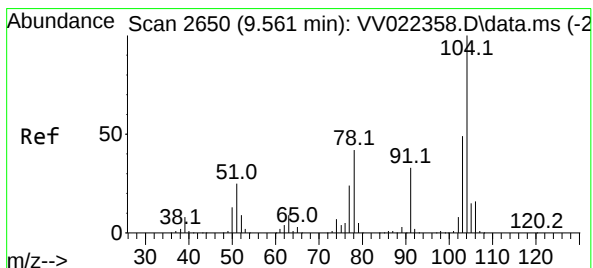
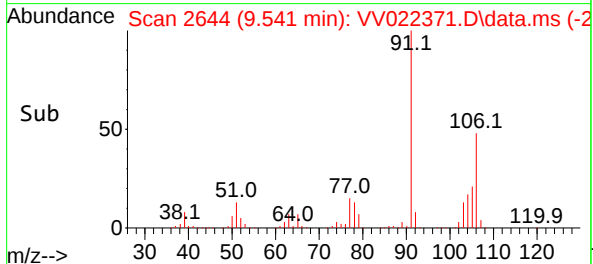
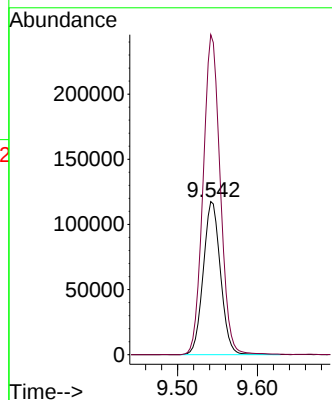
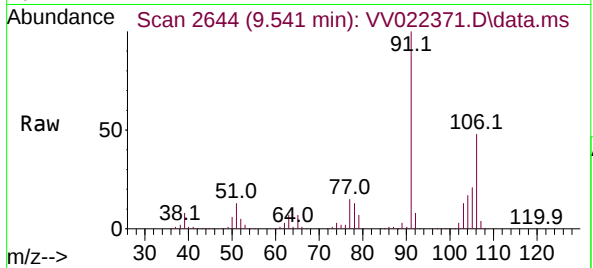




#54  
o-Xylene  
Concen: 53.857 ug/L  
RT: 9.541 min Scan# 2644  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

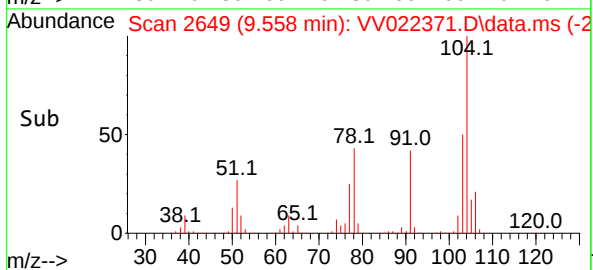
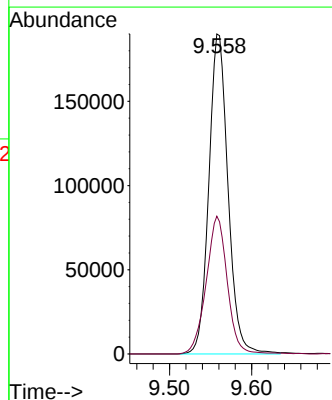
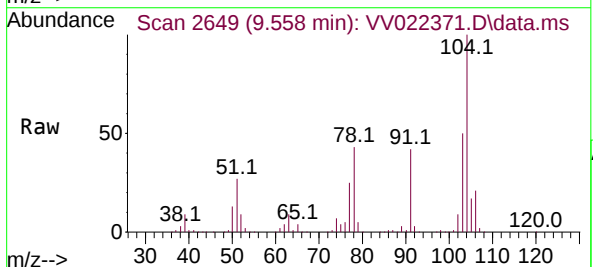
Instrument :  
MSVOA\_V  
ClientSampled :

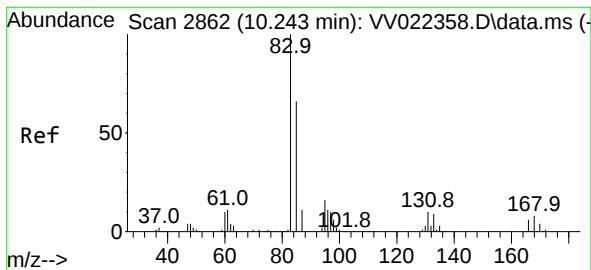
Tgt Ion:106 Resp: 176503  
Ion Ratio Lower Upper  
106 100  
91 208.9 144.9 269.1



#55  
Styrene  
Concen: 54.155 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

Tgt Ion:104 Resp: 308570  
Ion Ratio Lower Upper  
104 100  
78 43.1 28.6 53.2

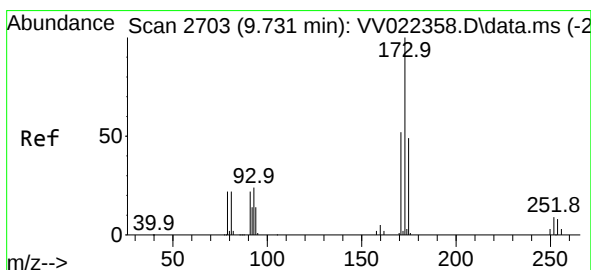
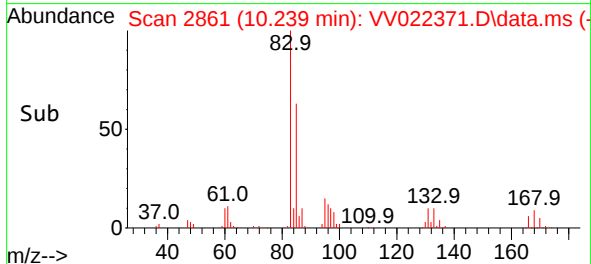
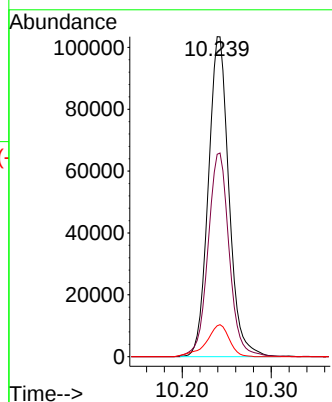
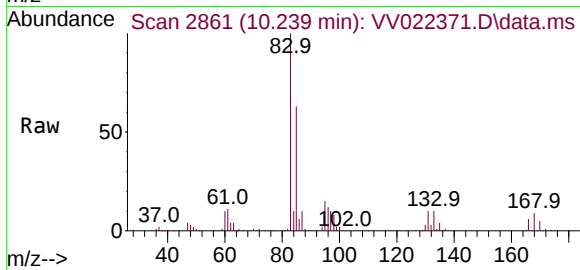




#57  
1,1,2,2-Tetrachloroethane  
Concen: 48.882 ug/L  
RT: 10.239 min Scan# 2861  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

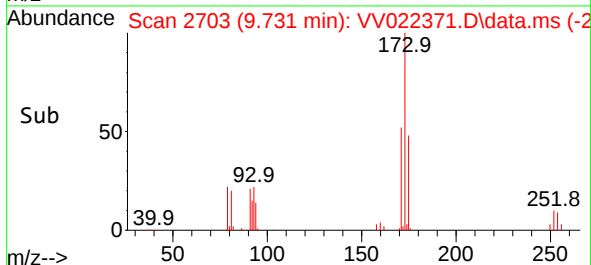
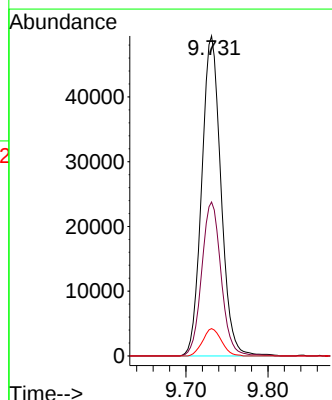
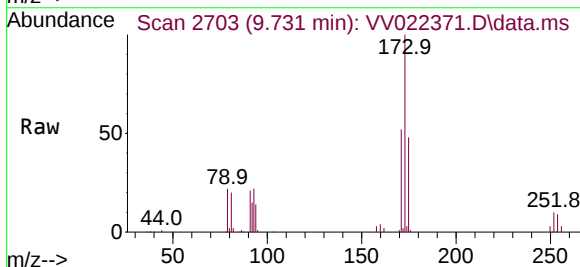
Instrument :  
MSVOA\_V  
ClientSampleId :

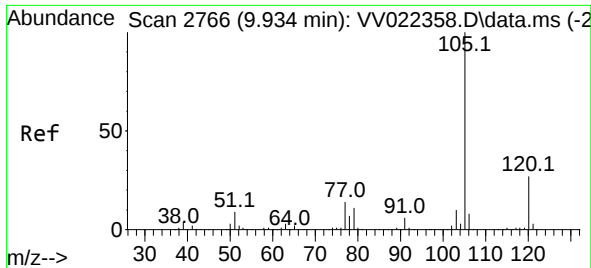
Tgt Ion: 83 Resp: 165549  
Ion Ratio Lower Upper  
83 100  
85 63.2 44.6 82.8  
131 9.7 7.8 11.8



#59  
Bromoform  
Concen: 51.502 ug/L  
RT: 9.731 min Scan# 2703  
Delta R.T. -0.000 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

Tgt Ion: 173 Resp: 80394  
Ion Ratio Lower Upper  
173 100  
175 48.3 40.1 60.1  
254 8.4 6.9 10.3

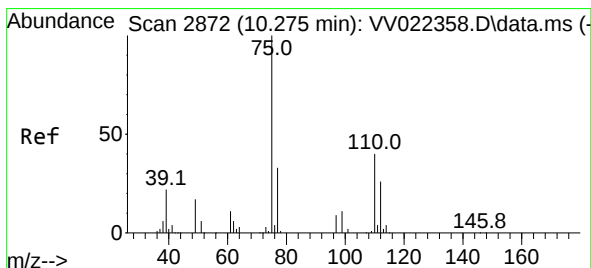
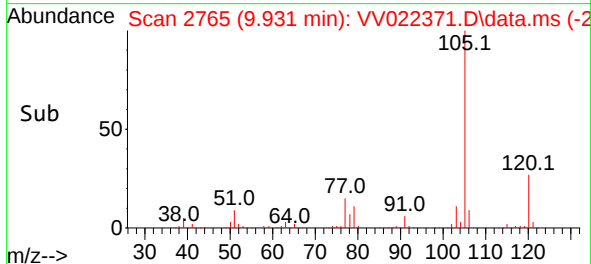
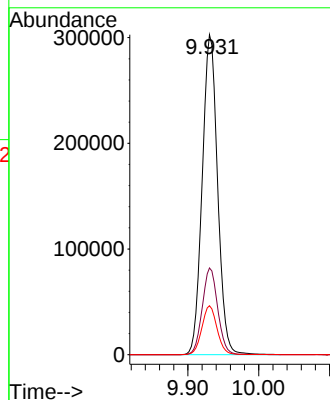
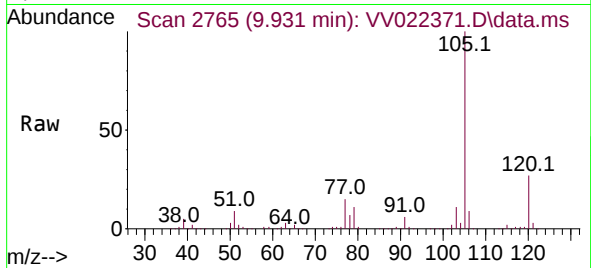




#60  
Isopropylbenzene  
Concen: 53.253 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

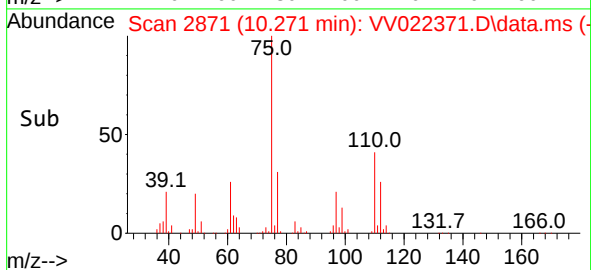
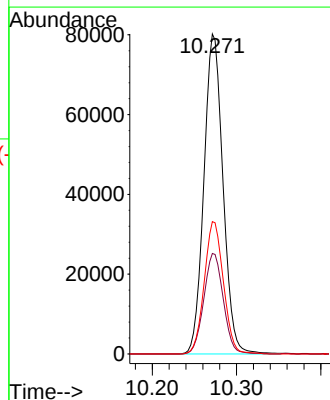
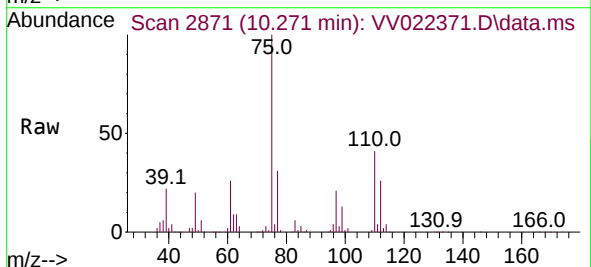
Instrument :  
MSVOA\_V  
ClientSampleId :

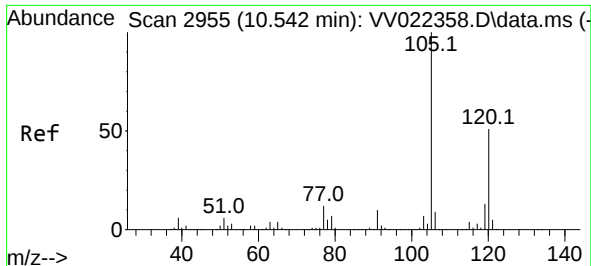
Tgt Ion:105 Resp: 456400  
Ion Ratio Lower Upper  
105 100  
120 27.3 21.5 32.3  
77 15.2 12.0 18.0



#61  
1,2,3-Trichloropropane  
Concen: 48.788 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

Tgt Ion: 75 Resp: 126646  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.4 38.0  
110 41.5 32.6 48.8





#62

1,3,5-Trimethylbenzene

Concen: 54.176 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.003 min

Lab File: VV022371.D

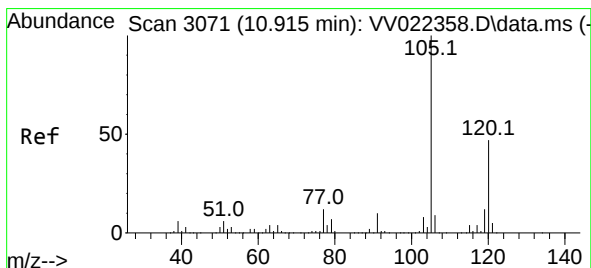
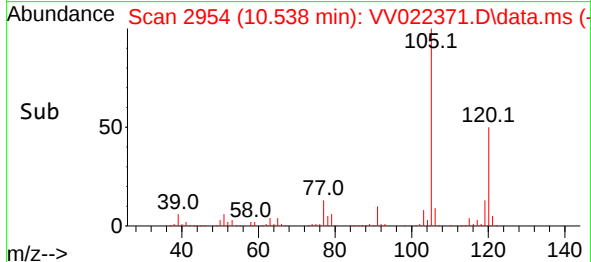
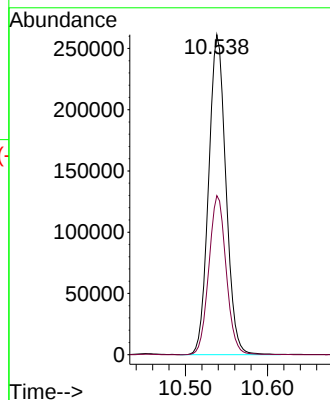
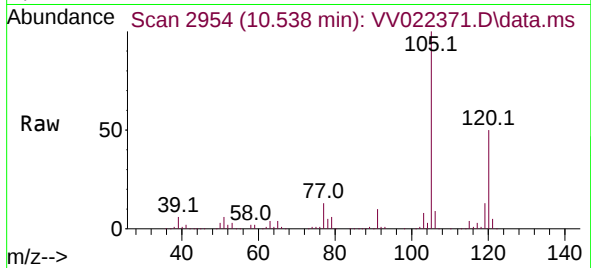
Acq: 29 Sep 2021 12:29

Tgt Ion:105 Resp: 382629

Ion Ratio Lower Upper

105 100

120 49.9 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 54.399 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. -0.000 min

Lab File: VV022371.D

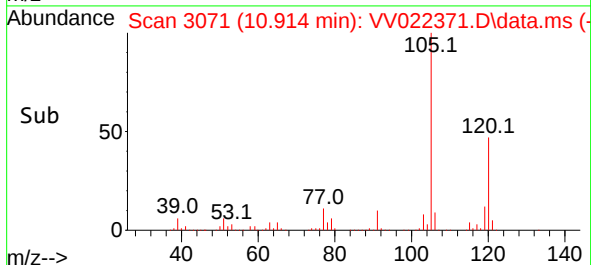
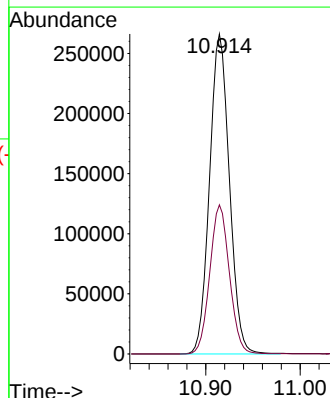
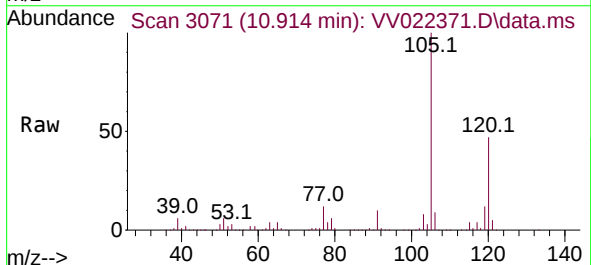
Acq: 29 Sep 2021 12:29

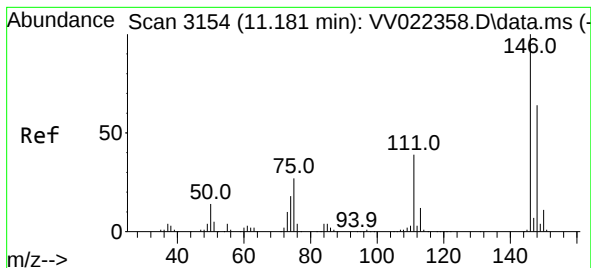
Tgt Ion:105 Resp: 387712

Ion Ratio Lower Upper

105 100

120 46.1 37.3 55.9





#64

1,3-Dichlorobenzene

Concen: 51.312 ug/L

RT: 11.181 min Scan# 3154

Delta R.T. -0.000 min

Lab File: VV022371.D

Acq: 29 Sep 2021 12:29

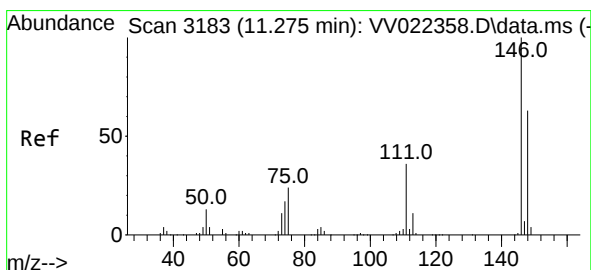
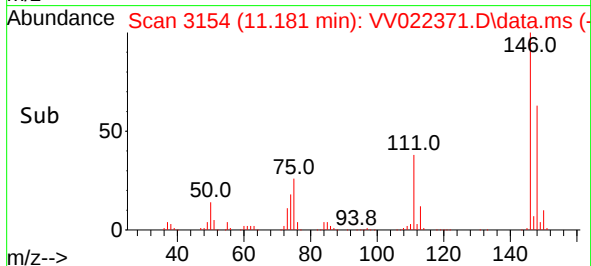
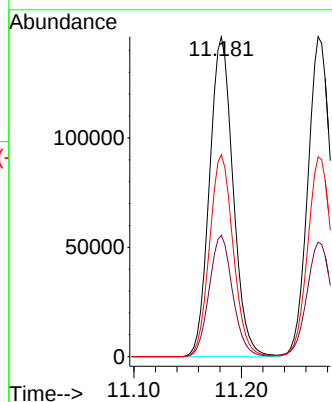
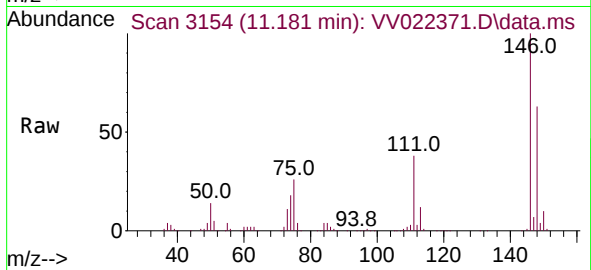
Tgt Ion:146 Resp: 222935

Ion Ratio Lower Upper

146 100

111 37.9 26.5 49.3

148 63.1 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 50.611 ug/L

RT: 11.271 min Scan# 3182

Delta R.T. -0.003 min

Lab File: VV022371.D

Acq: 29 Sep 2021 12:29

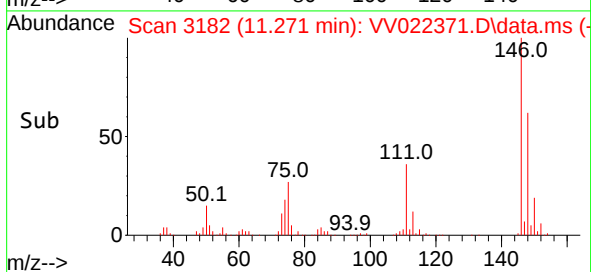
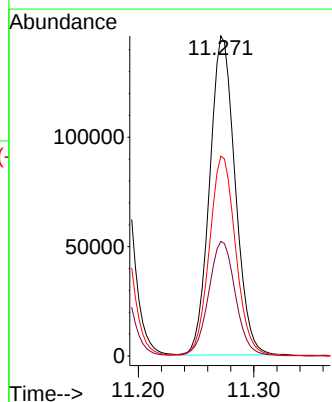
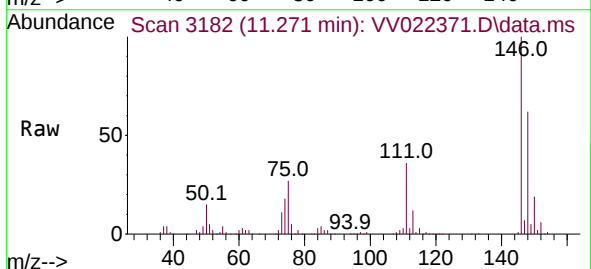
Tgt Ion:146 Resp: 223969

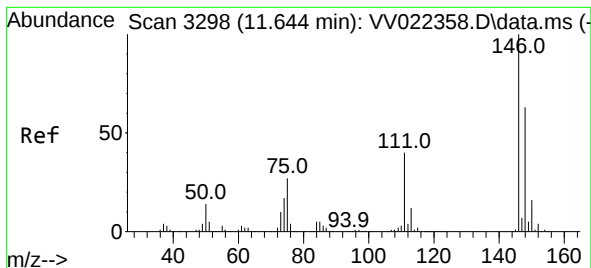
Ion Ratio Lower Upper

146 100

111 35.8 25.8 48.0

148 62.5 45.1 83.9

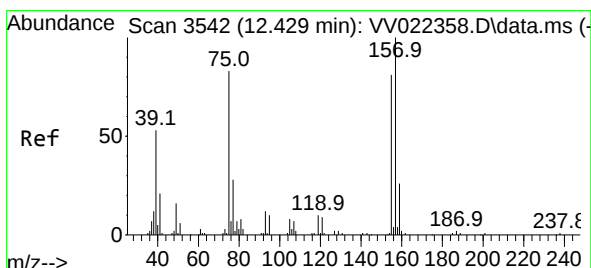
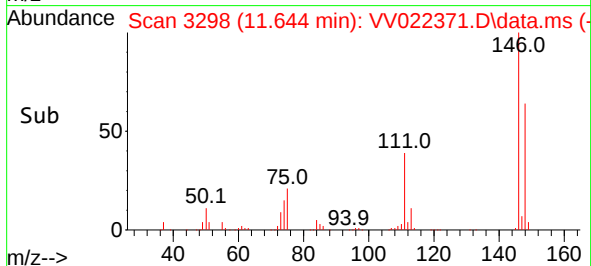
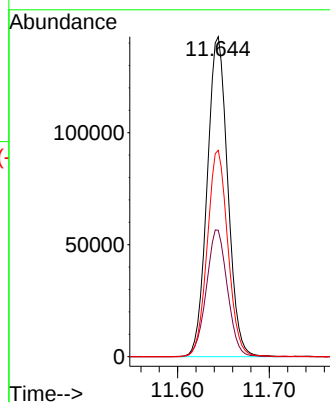
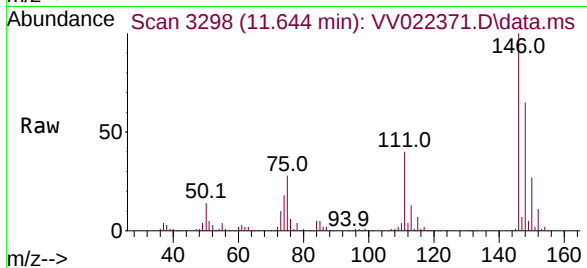




#67  
1,2-Dichlorobenzene  
Concen: 50.192 ug/L  
RT: 11.644 min Scan# 3298  
Delta R.T. -0.000 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

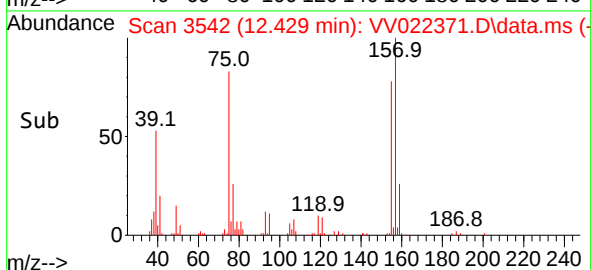
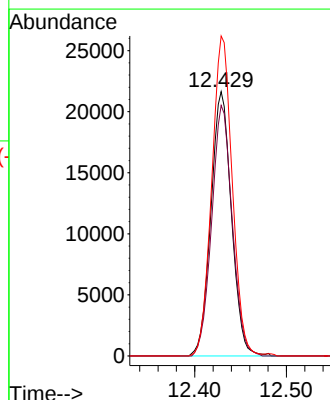
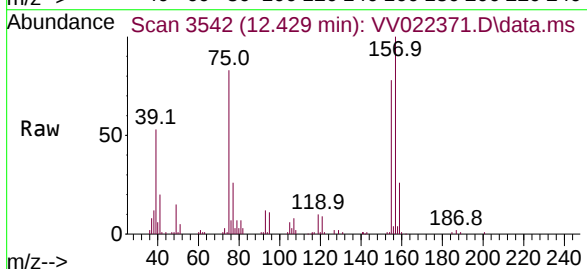
Instrument :  
MSVOA\_V  
ClientSampleId :

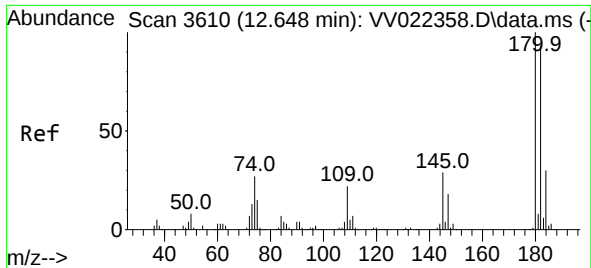
Tgt Ion:146 Resp: 222686  
Ion Ratio Lower Upper  
146 100  
111 39.5 31.5 47.3  
148 64.5 49.0 73.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 49.162 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. -0.000 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

Tgt Ion: 75 Resp: 33697  
Ion Ratio Lower Upper  
75 100  
155 94.8 79.0 118.6  
157 121.1 98.2 147.2

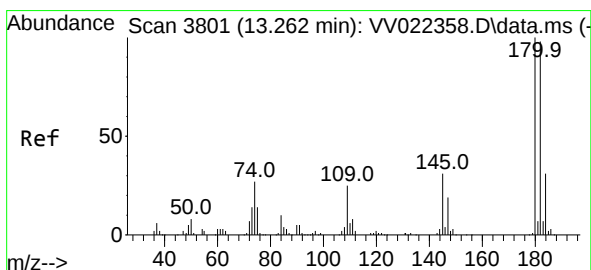
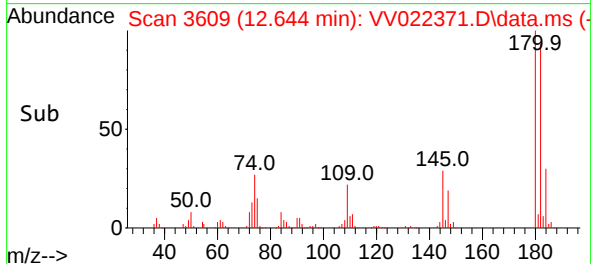
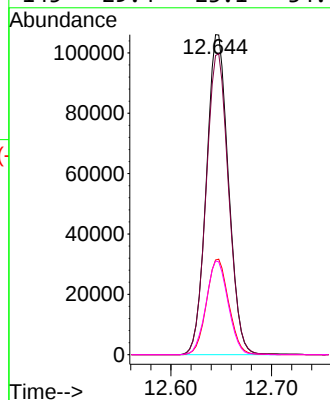
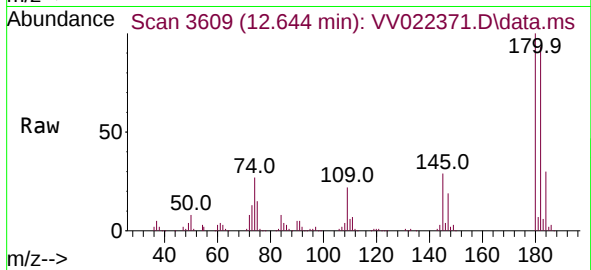




#69  
1,3,5-Trichlorobenzene  
Concen: 51.569 ug/L  
RT: 12.644 min Scan# 3609  
Delta R.T. -0.003 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

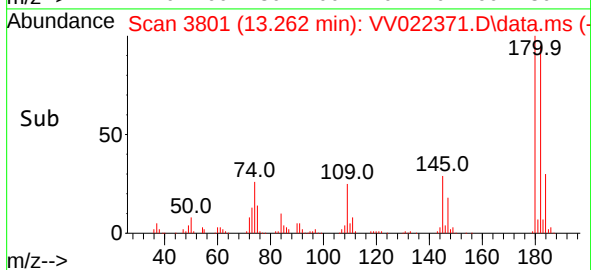
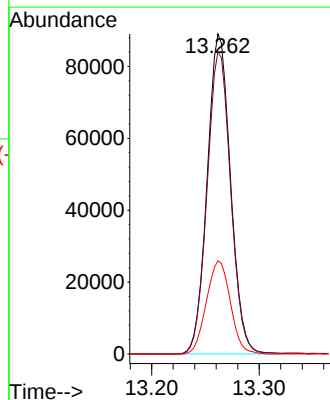
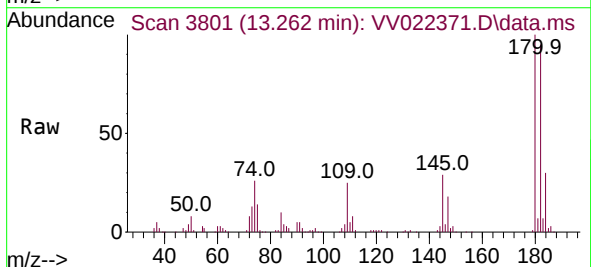
Instrument :  
MSVOA\_V  
ClientSampleId :

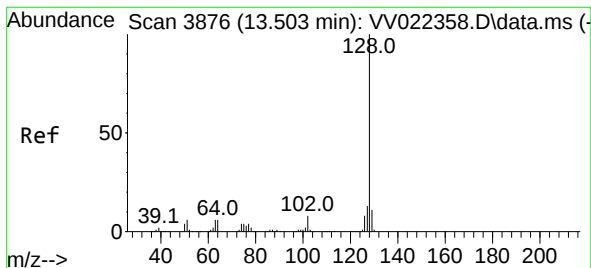
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 161629 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.6  | 75.2  | 112.8  |
| 184       | 29.9  | 24.2  | 36.2   |
| 145       | 29.4  | 23.1  | 34.7   |



#70  
1,2,4-trichlorobenzene  
Concen: 50.672 ug/L  
RT: 13.262 min Scan# 3801  
Delta R.T. -0.000 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 134381 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.3  | 76.2  | 114.2  |
| 145       | 29.8  | 23.9  | 35.9   |

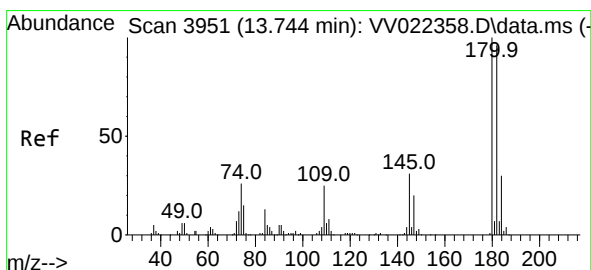
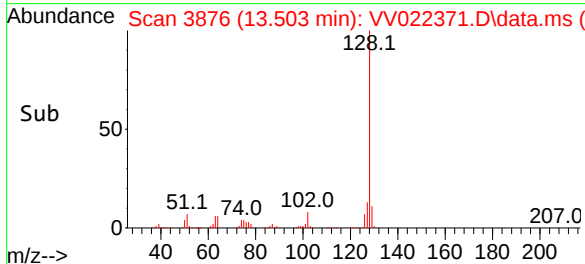
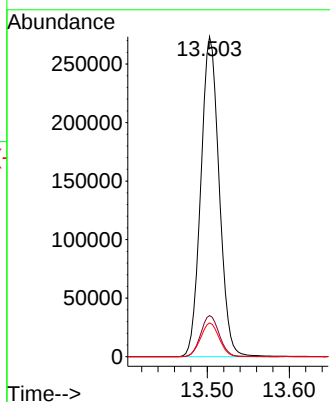
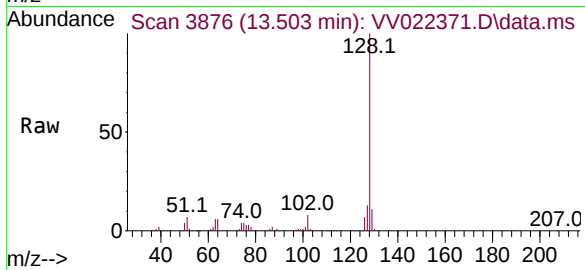




#71  
Naphthalene  
Concen: 52.085 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. -0.000 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion:128 Resp: 423225  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.2 15.4  
129 10.7 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 51.531 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. -0.000 min  
Lab File: VV022371.D  
Acq: 29 Sep 2021 12:29

Tgt Ion:180 Resp: 141099  
Ion Ratio Lower Upper  
180 100  
182 95.9 76.7 115.1  
145 32.7 25.6 38.4

