

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV082318\  
 Data File : VV007132.D  
 Acq On : 23 Aug 2018 11:48  
 Operator : SY/MD  
 Sample : J4599-10MS  
 Misc : 5.0 mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETOL3MS

Quant Time: Aug 24 01:26:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 24 01:26:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 517936   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 461603   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 184861   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 142189   | 43.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.36%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 76270    | 36.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 72.86%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 253434   | 42.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.10%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 291845   | 105.35   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 105.35% |
| 24) Chloroform-d               | 4.41    | 84    | 309026   | 44.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.76%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 193798   | 45.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.80%  |
| 32) Benzene-d6                 | 5.10    | 84    | 630303   | 49.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.26%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 212072   | 49.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.94%  |
| 41) Toluene-d8                 | 7.36    | 98    | 503074   | 44.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.14%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 84734    | 46.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.26%  |
| 47) 2-Hexanone-d5              | 8.15    | 63    | 148092   | 98.14    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.14%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 293496   | 47.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.08%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 192514   | 51.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.58% |

## Target Compounds

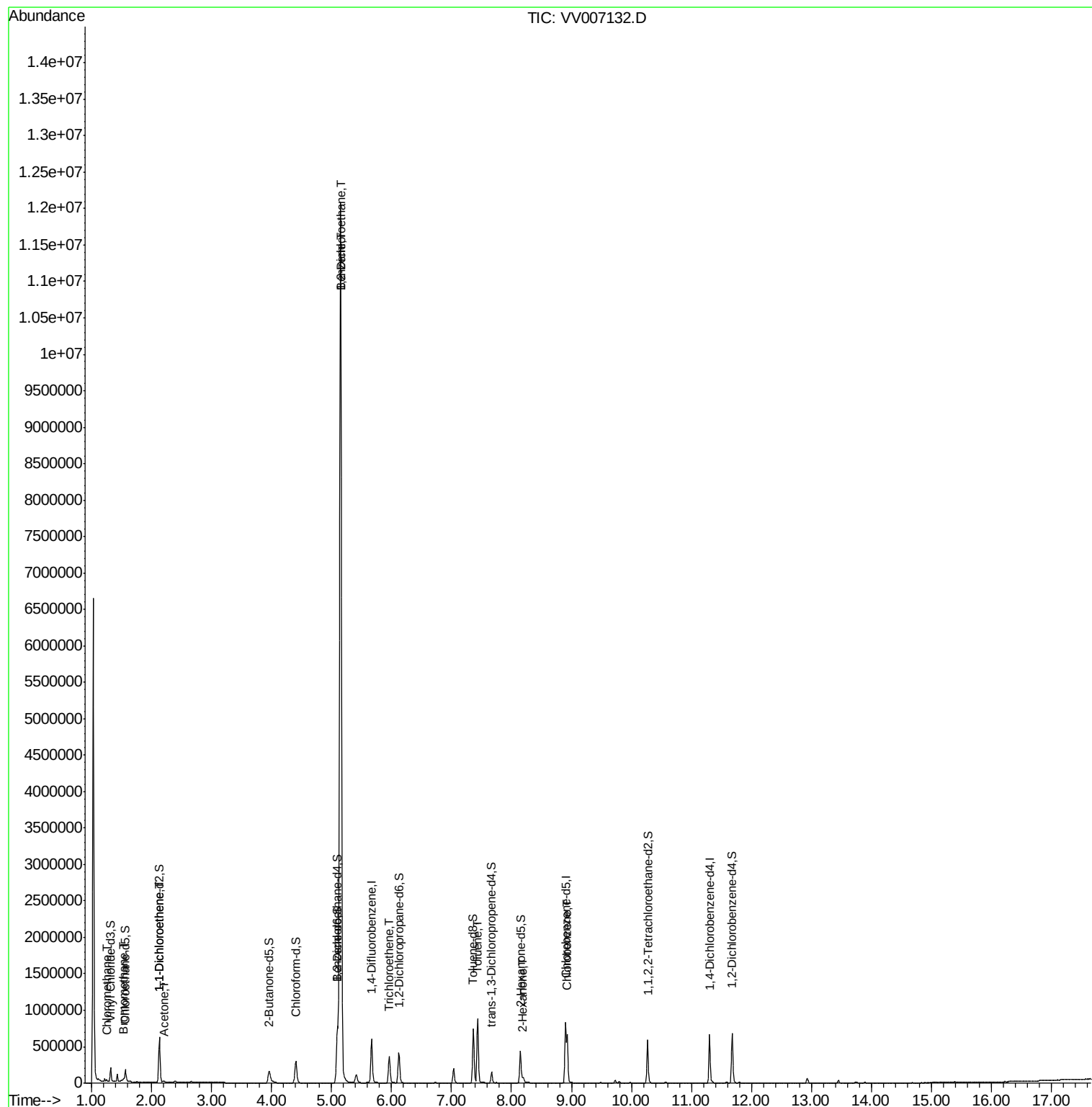
| Target Compounds       | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|------------------------|------|------|----------|---------|--------|--------|
| 3) Chloromethane       | 1.25 | 50   | 17483    | 2.918   | ug/L   | 98     |
| 6) Bromomethane        | 1.53 | 94   | 1566     | 1.339   | ug/L   | 95     |
| 12) 1,1-Dichloroethene | 2.14 | 96   | 116167   | 33.693  | ug/L   | 98     |
| 13) Acetone            | 2.20 | 43   | 11250    | 5.177   | ug/L   | 96     |
| 27) 1,2-Dichloroethane | 5.15 | 62   | 101269   | 17.692  | ug/L # | 71     |
| 33) Benzene            | 5.15 | 78   | 12073536 | 763.528 | ug/L   | 100    |
| 34) Trichloroethene    | 5.96 | 95   | 129599   | 34.581  | ug/L   | 99     |
| 42) Toluene            | 7.44 | 91   | 648962   | 42.571  | ug/L   | 100    |
| 48) 2-Hexanone         | 8.20 | 43   | 32540    | 7.843   | ug/L # | 90     |
| 51) Chlorobenzene      | 8.93 | 112  | 343970   | 34.062  | ug/L   | 99     |

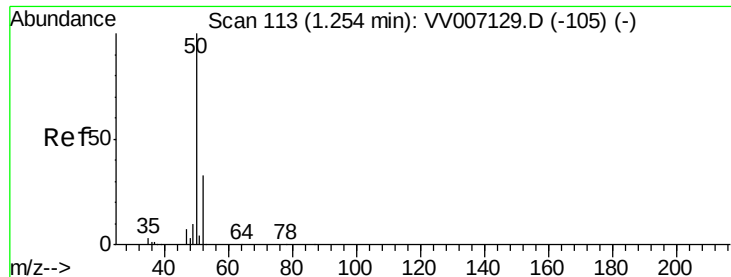
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
ETOL3MS

Quant Time: Aug 24 01:26:35 2018  
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Quant Title : VOC Analysis  
QLast Update : Fri Aug 24 01:26:08 2018  
Response via : Initial Calibration





#3

Chloromethane

Concen: 2.918 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007132.D

Acq: 23 Aug 2018 11:48

Instrument :

MSVOA\_V

ClientSampleId :

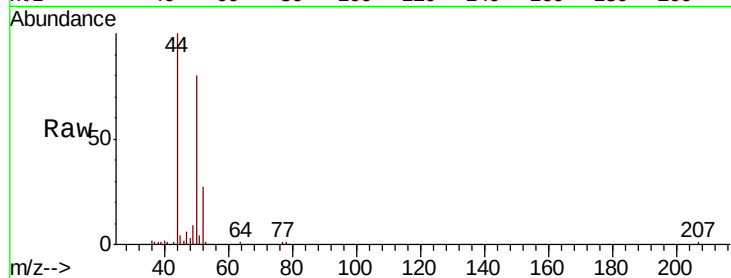
ETOL3MS

Tgt Ion: 50 Resp: 17483

Ion Ratio Lower Upper

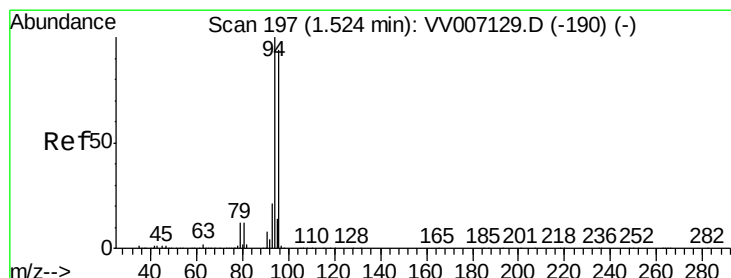
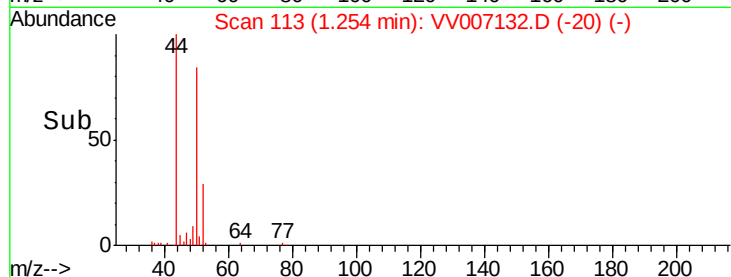
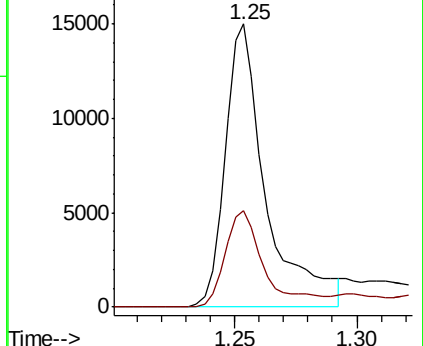
50 100

52 34.2 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#6

Bromomethane

Concen: 1.339 ug/L

RT: 1.53 min Scan# 198

Delta R.T. 0.00 min

Lab File: VV007132.D

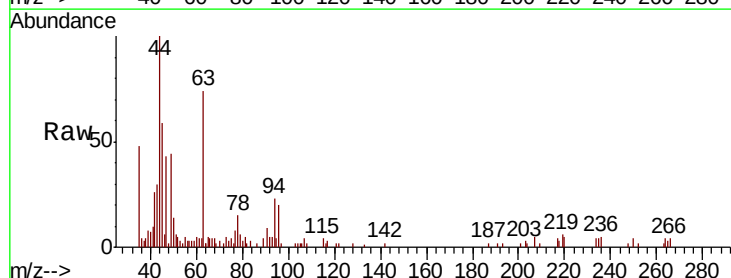
Acq: 23 Aug 2018 11:48

Tgt Ion: 94 Resp: 1566

Ion Ratio Lower Upper

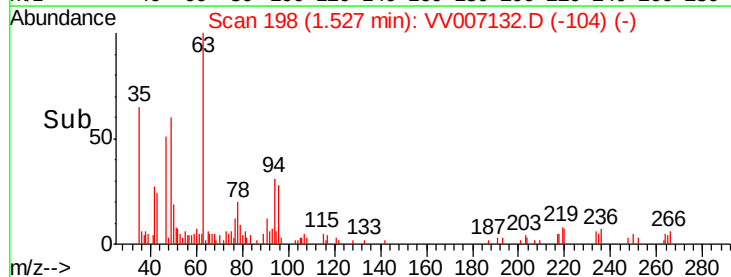
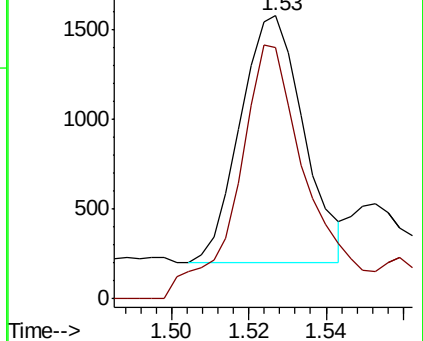
94 100

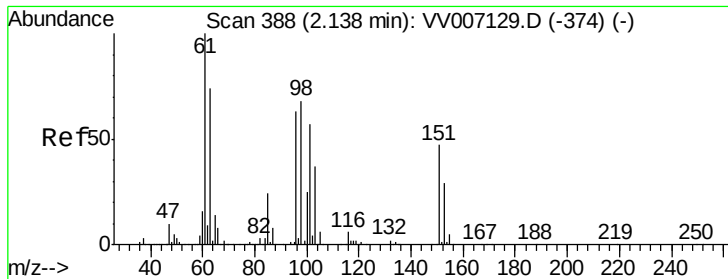
96 88.8 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

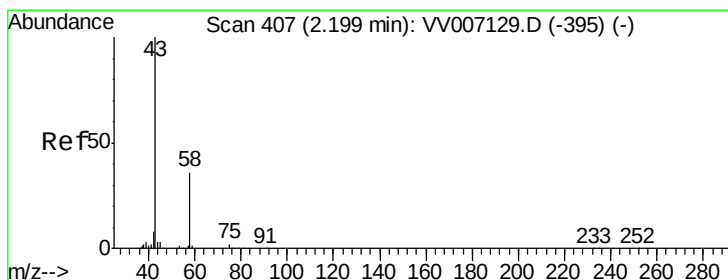
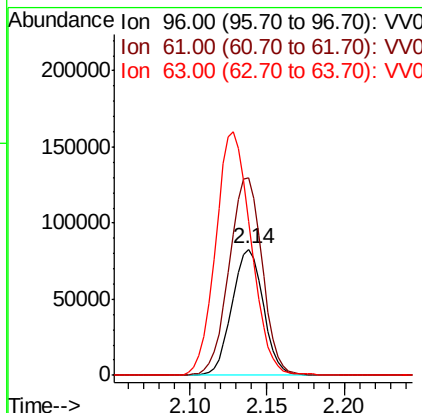
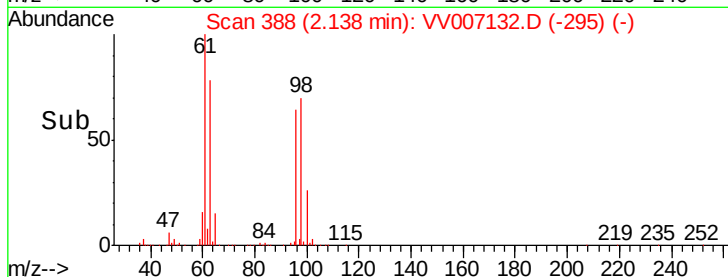
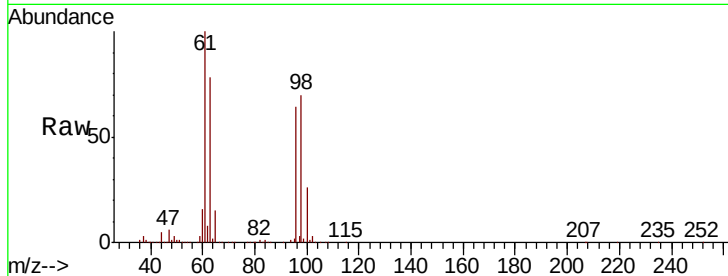




#12  
 1,1-Dichloroethene  
 Concen: 33.693 ug/L  
 RT: 2.14 min Scan# 388  
 Delta R.T. 0.00 min  
 Lab File: VV007132.D  
 Acq: 23 Aug 2018 11:48

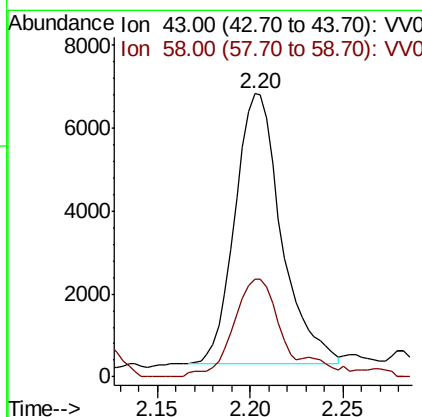
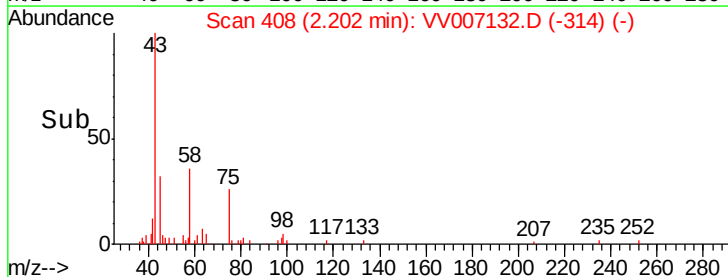
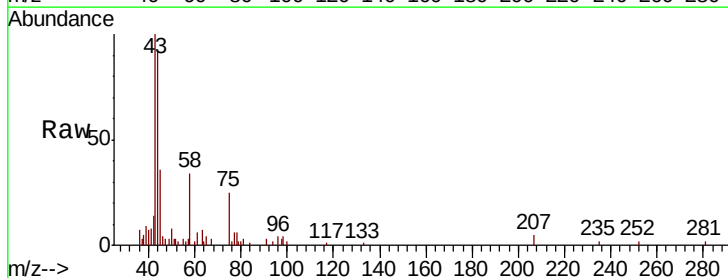
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETOL3MS

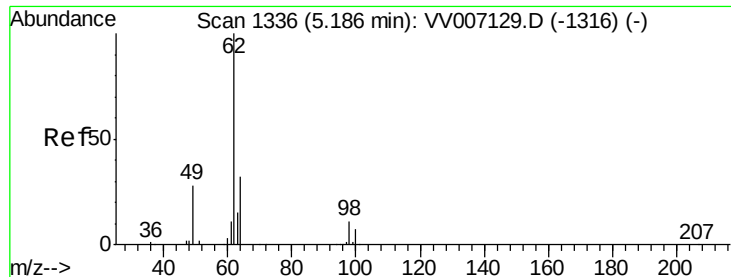
Tgt Ion: 96 Resp: 116167  
 Ion Ratio Lower Upper  
 96 100  
 61 156.6 110.0 204.2  
 63 122.3 81.8 152.0



#13  
 Acetone  
 Concen: 5.177 ug/L  
 RT: 2.20 min Scan# 408  
 Delta R.T. 0.00 min  
 Lab File: VV007132.D  
 Acq: 23 Aug 2018 11:48

Tgt Ion: 43 Resp: 11250  
 Ion Ratio Lower Upper  
 43 100  
 58 34.2 0.0 73.0

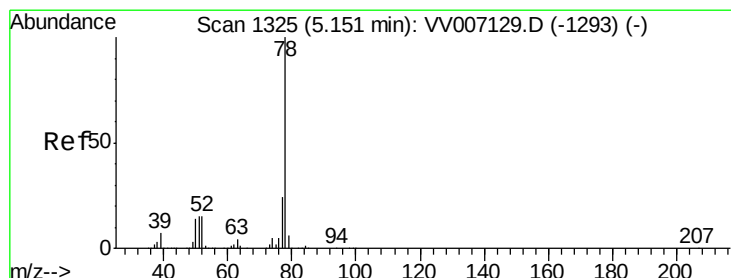
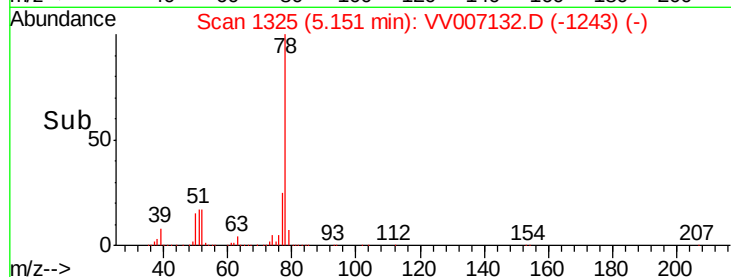
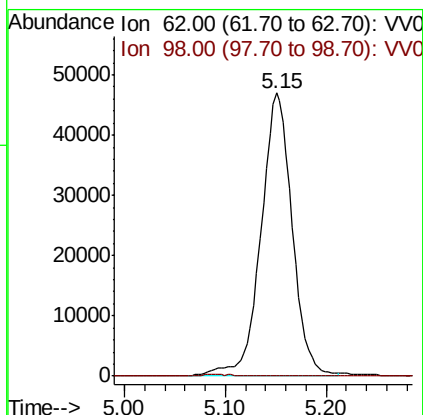
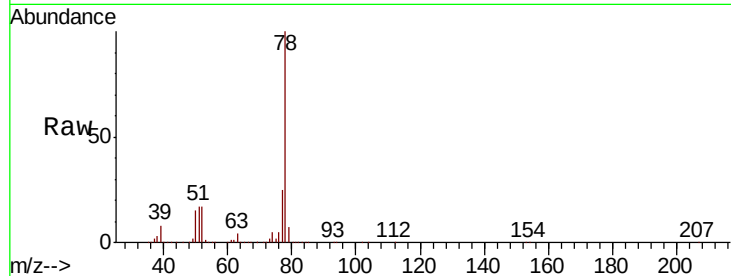




#27  
 1,2-Dichloroethane  
 Concen: 17.692 ug/L  
 RT: 5.15 min Scan# 1325  
 Delta R.T. -0.04 min  
 Lab File: VV007132.D  
 Acq: 23 Aug 2018 11:48

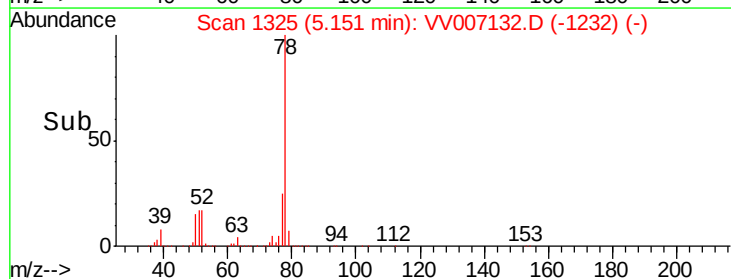
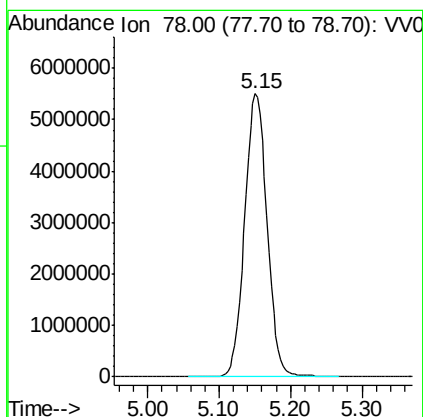
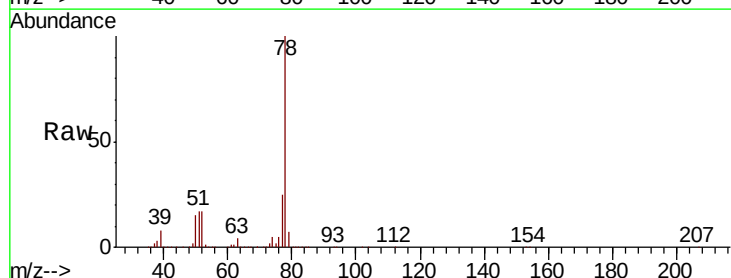
Instrument :  
 MSVOA\_V  
 ClientSampled :  
 ETOL3MS

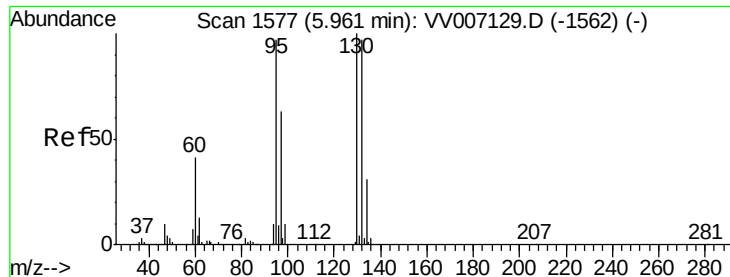
Tgt Ion: 62 Resp: 101269  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 8.7 13.1#



#33  
 Benzene  
 Concen: 763.528 ug/L  
 RT: 5.15 min Scan# 1325  
 Delta R.T. 0.00 min  
 Lab File: VV007132.D  
 Acq: 23 Aug 2018 11:48

Tgt Ion: 78 Resp:12073536





#34

Trichloroethene

Concen: 34.581 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007132.D

Acq: 23 Aug 2018 11:48

Instrument :

MSVOA\_V

ClientSampleId :

ETOL3MS

Tgt Ion: 95 Resp: 129599

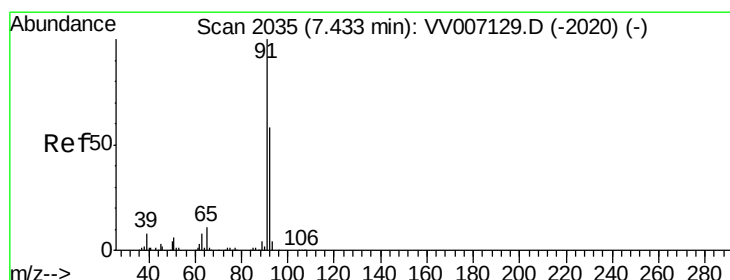
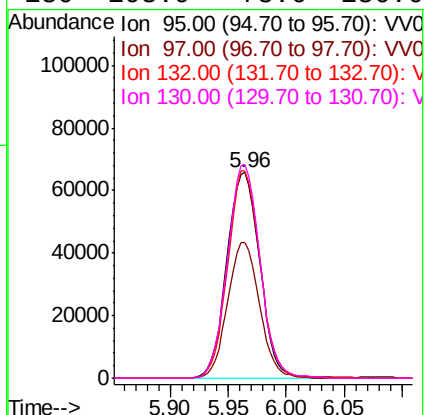
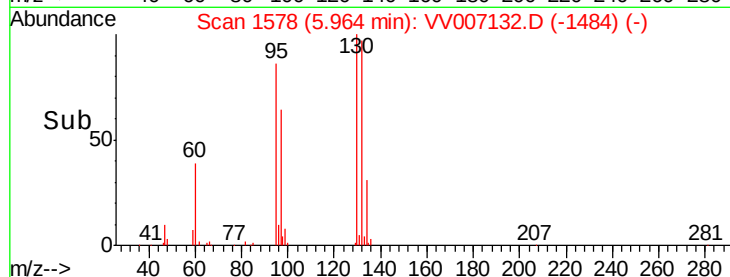
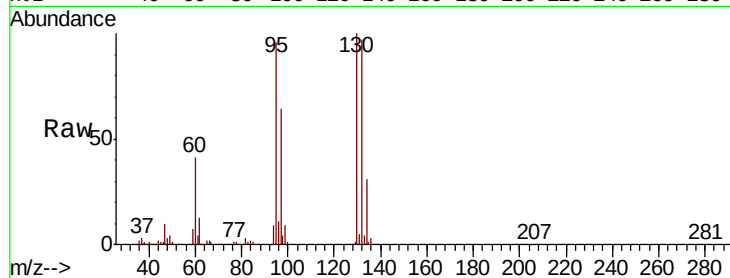
Ion Ratio Lower Upper

95 100

97 66.1 45.1 83.9

132 100.9 69.7 129.4

130 103.9 73.6 136.6



#42

Toluene

Concen: 42.571 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007132.D

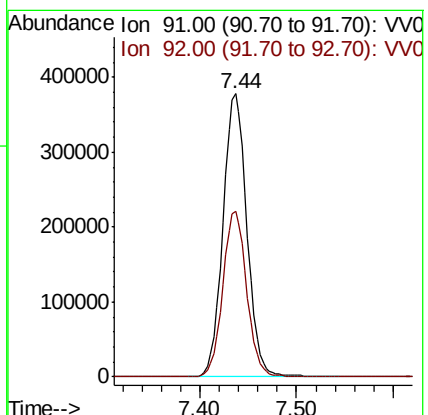
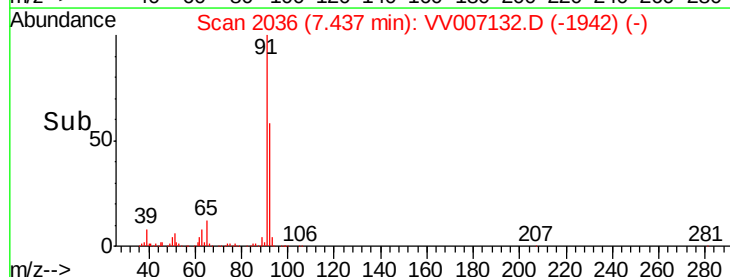
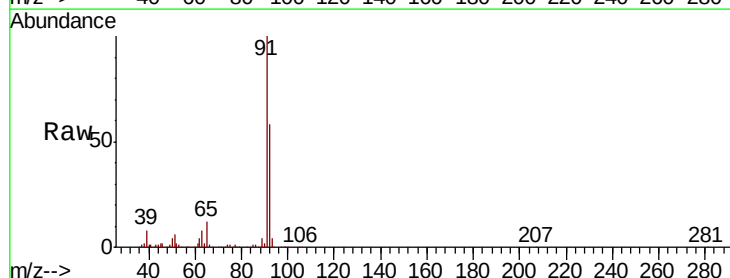
Acq: 23 Aug 2018 11:48

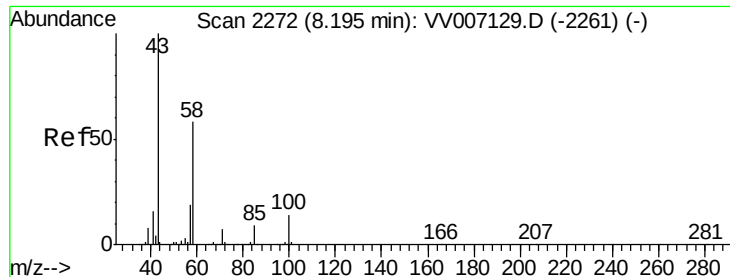
Tgt Ion: 91 Resp: 648962

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9

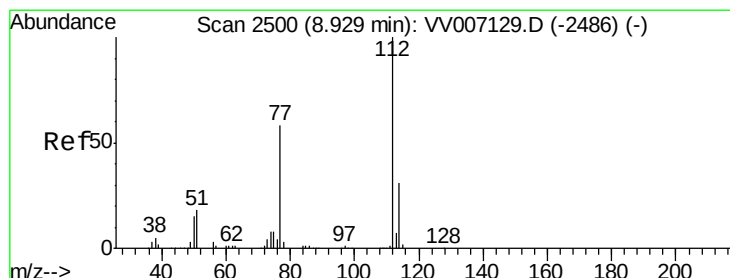
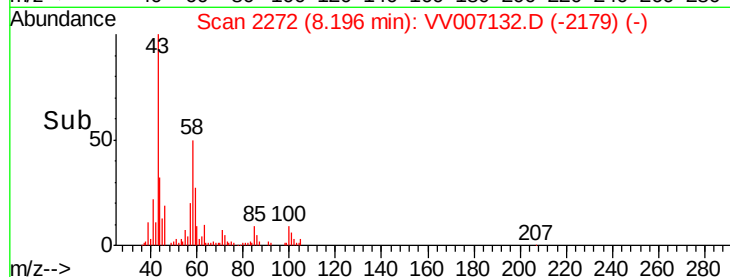
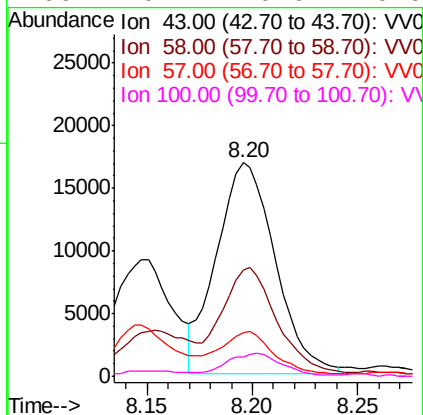
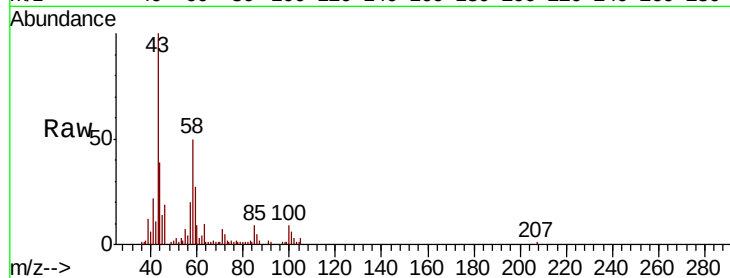




#48  
2-Hexanone  
Concen: 7.843 ug/L  
RT: 8.20 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VV007132.D  
Acq: 23 Aug 2018 11:48

Instrument :  
MSVOA\_V  
ClientSampleId :  
ETOL3MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 32540 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 50.5  | 47.9  | 71.9  |
| 57       | 19.2  | 15.8  | 23.8  |
| 100      | 9.2   | 10.6  | 16.0# |



#51  
Chlorobenzene  
Concen: 34.062 ug/L  
RT: 8.93 min Scan# 2501  
Delta R.T. 0.00 min  
Lab File: VV007132.D  
Acq: 23 Aug 2018 11:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 343970 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.5  | 22.3  | 41.3   |
| 77       | 57.3  | 46.6  | 70.0   |

