

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081718\  
 Data File : VV007051.D  
 Acq On : 17 Aug 2018 13:42  
 Operator : SY/MD  
 Sample : J4487-03  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C02Y9

Quant Time: Aug 18 04:09:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080918WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Aug 18 03:36:46 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 199686   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 195164   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 73697    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 71598    | 5.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 111.00% |
| 7) Chloroethane-d5             | 1.58   | 69    | 62865    | 5.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 115.00% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 133375   | 5.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 110.20% |
| 20) 2-Butanone-d5              | 3.97   | 46    | 185261   | 49.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.96%  |
| 24) Chloroform-d               | 4.41   | 84    | 147826   | 5.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 113.00% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 74791    | 5.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 113.20% |
| 32) Benzene-d6                 | 5.10   | 84    | 282661   | 5.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 112.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 95103    | 5.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 111.00% |
| 41) Toluene-d8                 | 7.37   | 98    | 212966   | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.80%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 29542    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 99.00%  |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 79230    | 32.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 64.98%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 68411    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 73965    | 5.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 115.40% |

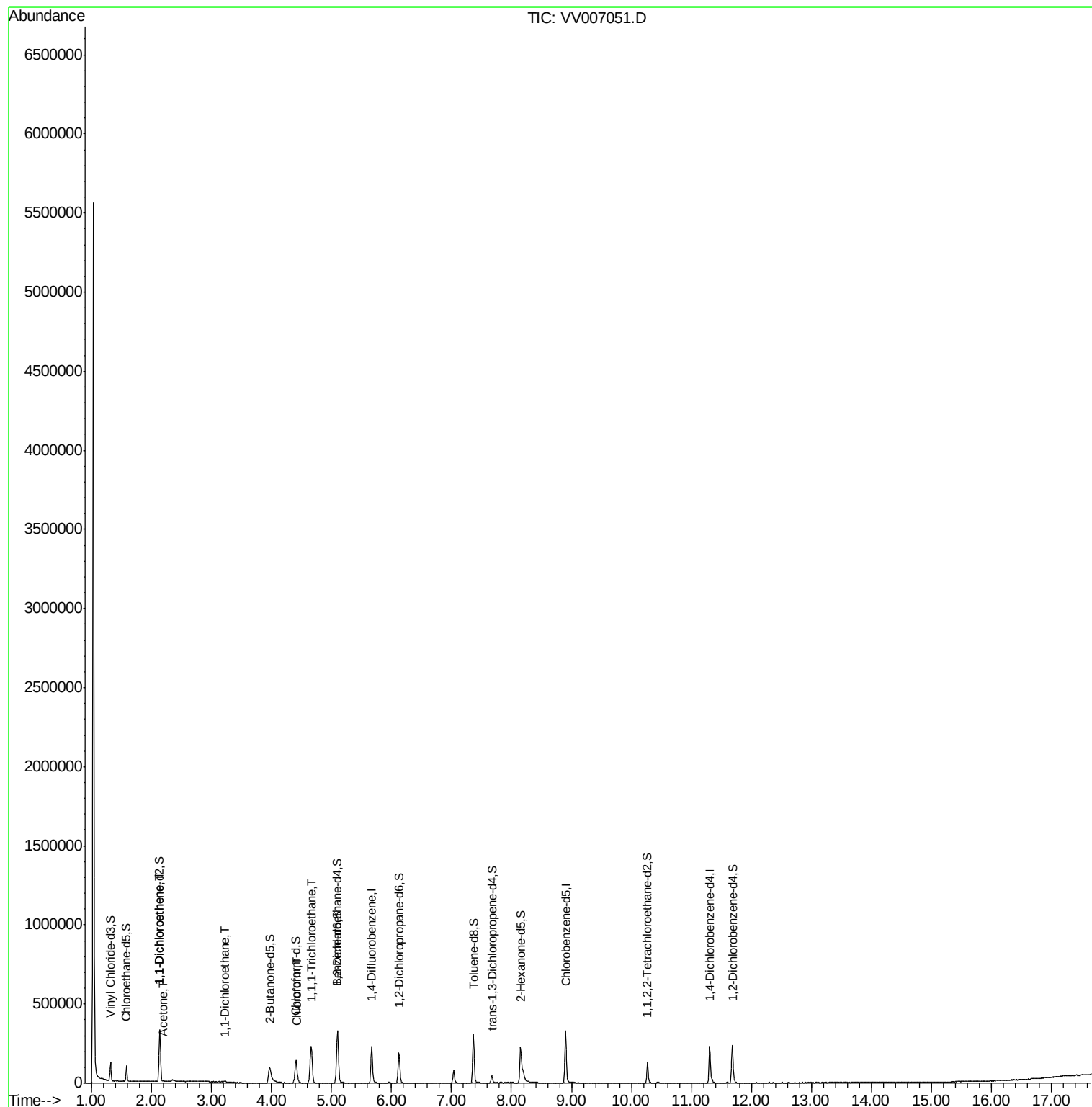
| Target Compounds          |      |    |        |      |      | Ovalue |
|---------------------------|------|----|--------|------|------|--------|
| 12) 1,1-Dichloroethene    | 2.14 | 96 | 62952  | 4.39 | ug/L | 98     |
| 13) Acetone               | 2.21 | 43 | 3140   | 1.65 | ug/L | 83     |
| 19) 1,1-Dichloroethane    | 3.23 | 63 | 6709   | 0.24 | ug/L | 95     |
| 25) Chloroform            | 4.44 | 83 | 12234  | 0.40 | ug/L | 99     |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 186924 | 7.18 | ug/L | 99     |

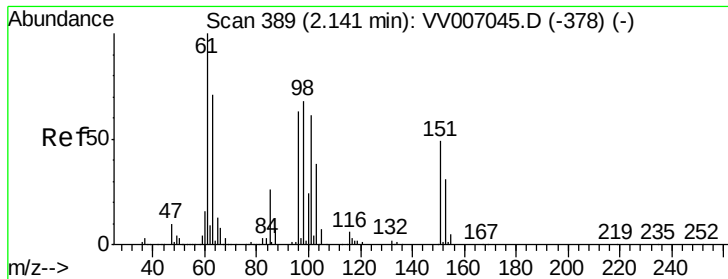
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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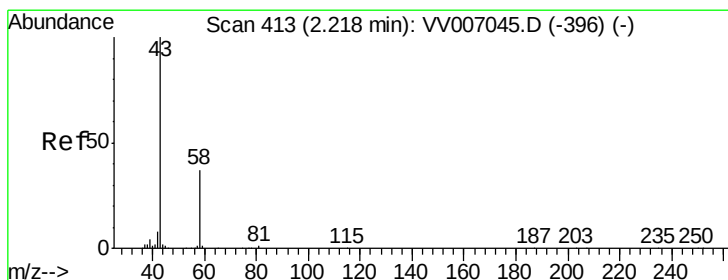
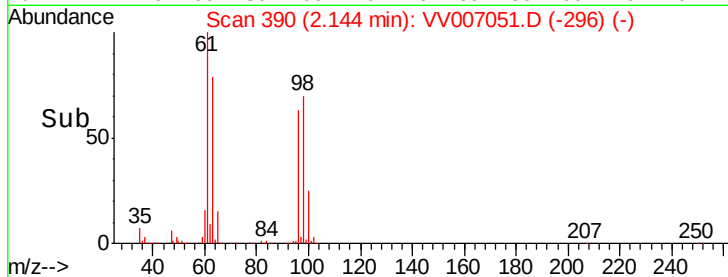
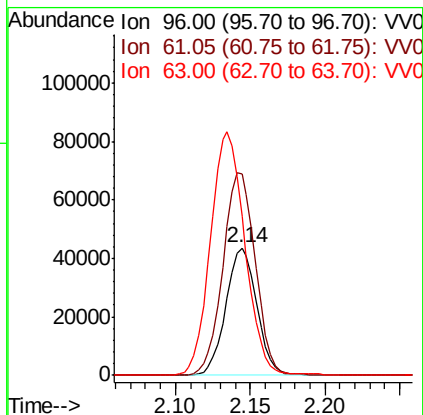
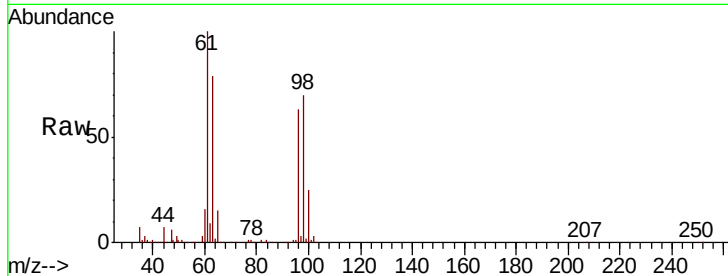




#12  
 1,1-Dichloroethene  
 Concen: 4.39 ug/L  
 RT: 2.14 min Scan# 390  
 Delta R.T. 0.00 min  
 Lab File: VV007051.D  
 Acq: 17 Aug 2018 13:42

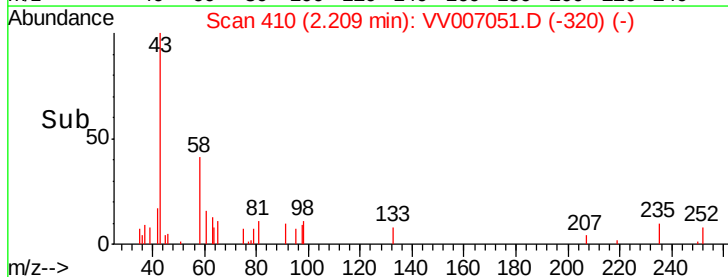
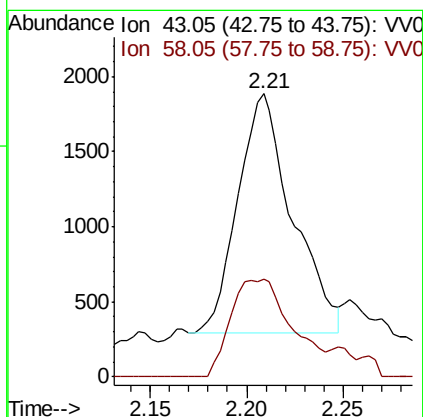
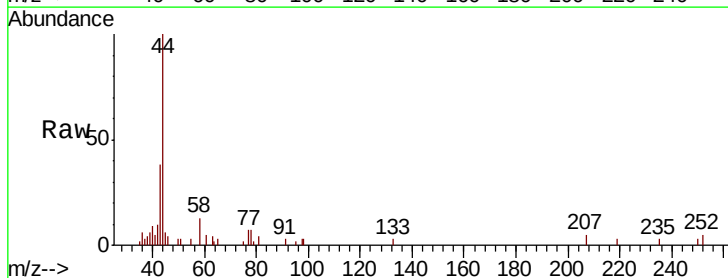
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 ClientSampleId :  
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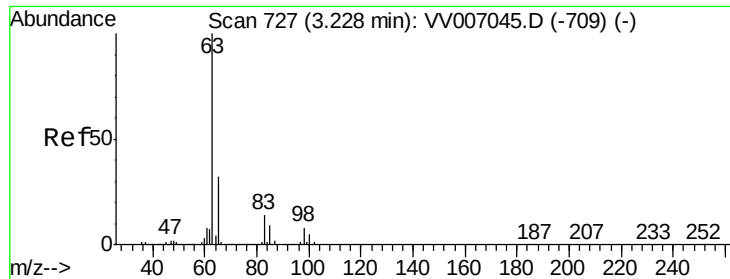
Tot Ion: 96 Resp: 62952  
 Ion Ratio Lower Upper  
 96 100  
 61 158.0 111.6 207.4  
 63 124.5 84.9 157.7



#13  
 Acetone  
 Concen: 1.65 ug/L  
 RT: 2.21 min Scan# 410  
 Delta R.T. -0.01 min  
 Lab File: VV007051.D  
 Acq: 17 Aug 2018 13:42

Tgt Ion: 43 Resp: 3140  
 Ion Ratio Lower Upper  
 43 100  
 58 45.8 0.0 71.4

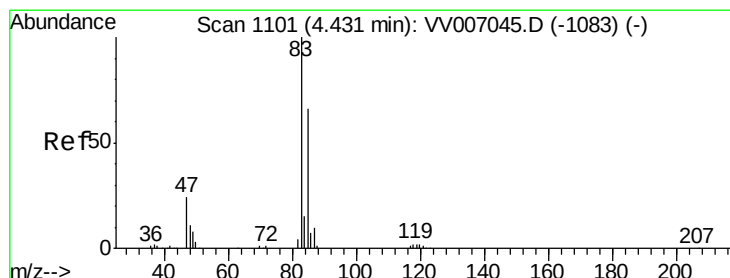
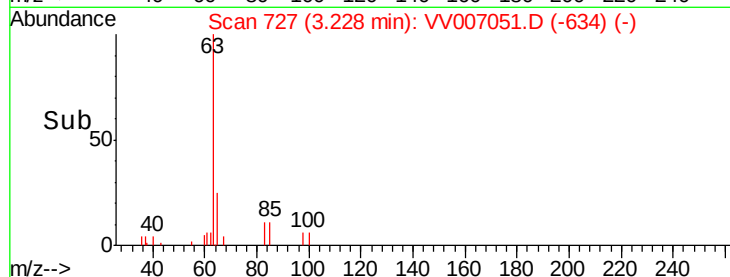
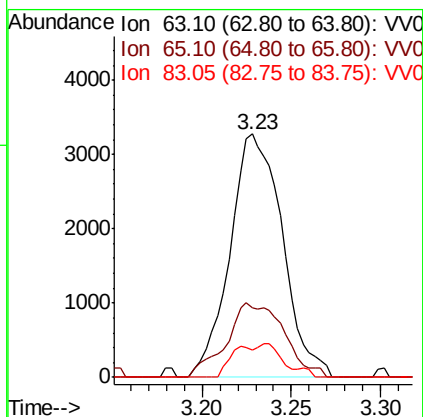
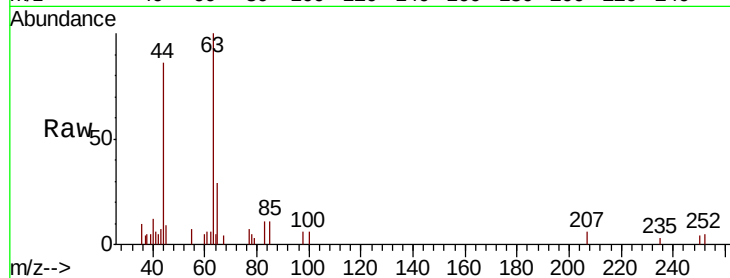




#19  
 1,1-Dichloroethane  
 Concen: 0.24 ug/L  
 RT: 3.23 min Scan# 727  
 Delta R.T. -0.00 min  
 Lab File: VV007051.D  
 Acq: 17 Aug 2018 13:42

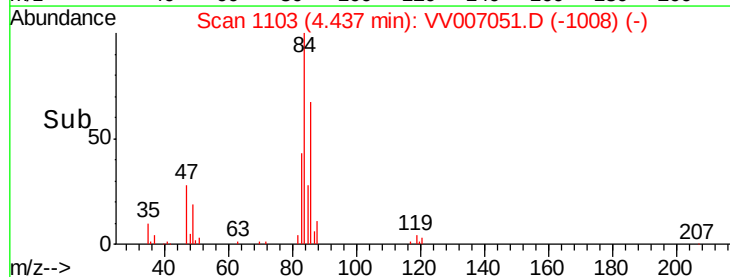
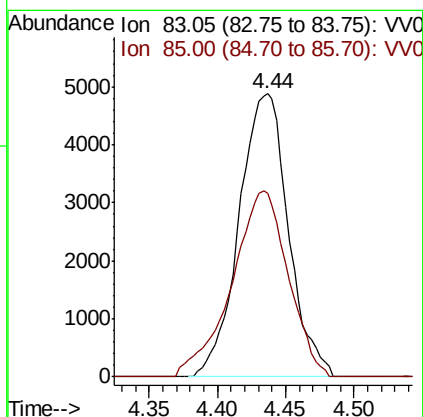
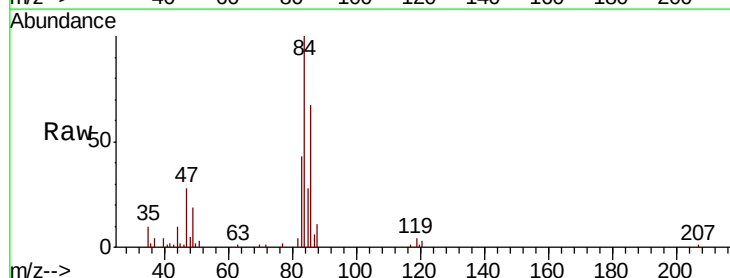
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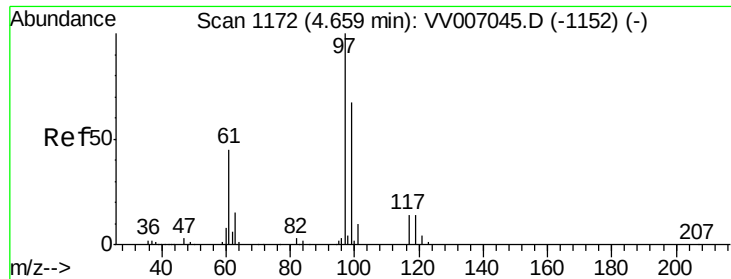
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 28.6  | 21.7  | 40.3  |
| 83      | 11.3  | 10.0  | 18.6  |



#25  
 Chloroform  
 Concen: 0.40 ug/L  
 RT: 4.44 min Scan# 1103  
 Delta R.T. 0.01 min  
 Lab File: VV007051.D  
 Acq: 17 Aug 2018 13:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.7  | 44.7  | 82.9  |





#29

1,1,1-Trichloroethane

Concen: 7.18 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV007051.D

Acq: 17 Aug 2018 13:42

Instrument :

MSVOA\_V

ClientSampleId :

C02Y9

Tot Ion: 97 Resp: 186924

Ion Ratio Lower Upper

97 100

99 65.4 51.0 76.6

61 45.5 36.6 54.8

