

Data File : VU027641.D  
Acq On : 12 Oct 2018 22:23  
Operator : MD/SY  
Sample : J5405-07  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C08Y1

Quant Time: Oct 13 04:11:12 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM100518WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Oct 13 04:07:45 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 176026   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 164235   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 64053    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 53746    | 38.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 77.60%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 46065    | 43.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 86.32%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 78051    | 30.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 60.08%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 108274   | 96.82    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.82%  |
| 24) Chloroform-d               | 4.65    | 84    | 101854   | 45.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.94%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 70213    | 45.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.44%  |
| 32) Benzene-d6                 | 5.34    | 84    | 199517   | 42.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.78%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 72172    | 44.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.52%  |
| 41) Toluene-d8                 | 7.57    | 98    | 160547   | 38.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 76.32%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 28985    | 37.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.62%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 70570    | 86.66    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 86.66%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 94589    | 44.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.72%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 56606    | 45.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.34%  |

#### Target Compounds

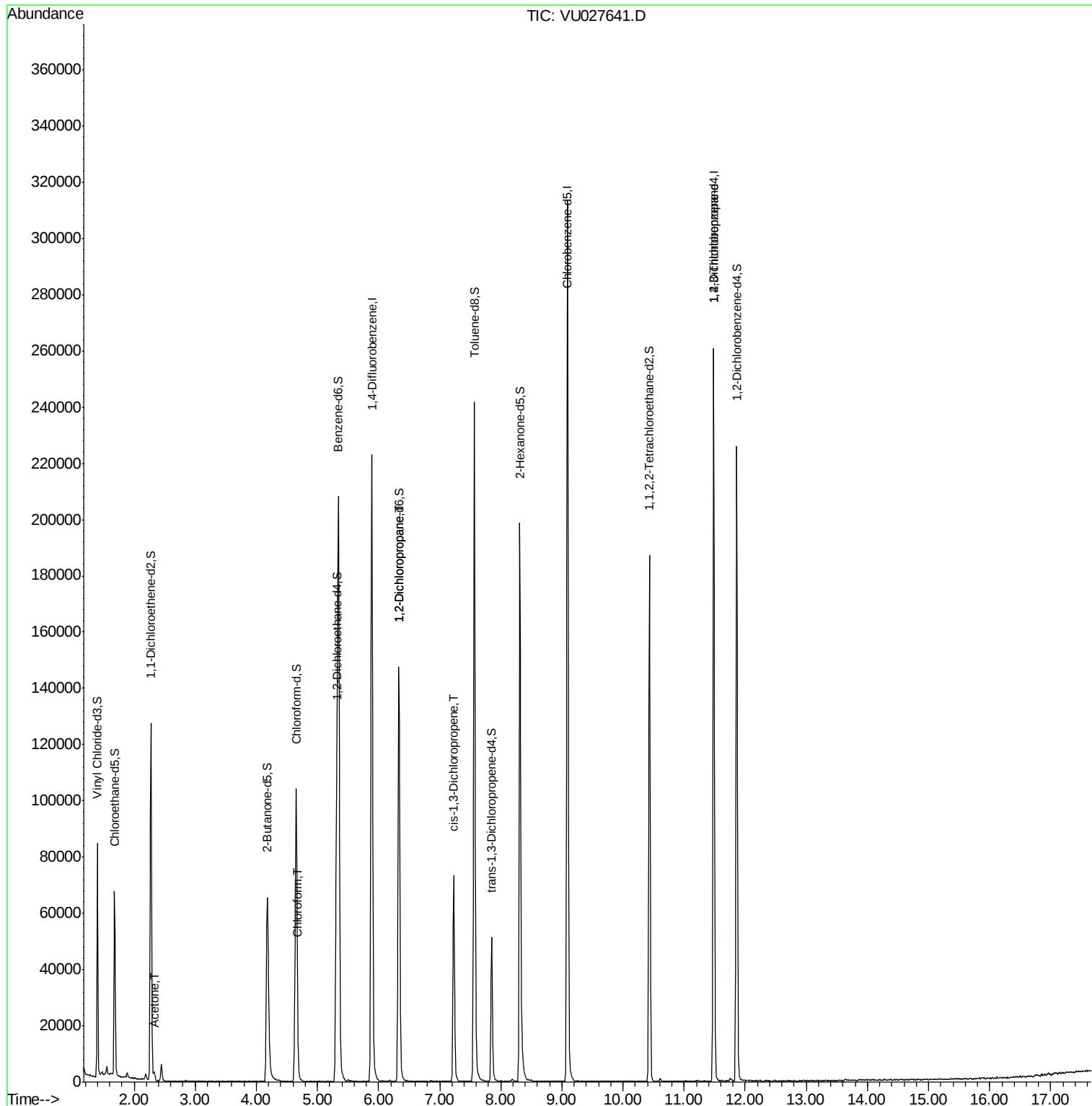
|                             |       |    |      |              | Qvalue |
|-----------------------------|-------|----|------|--------------|--------|
| 13) Acetone                 | 2.32  | 43 | 2304 | 2.512 ug/L   | 96     |
| 25) Chloroform              | 4.68  | 83 | 2231 | 0.888 ug/L   | 99     |
| 37) 1,2-Dichloropropane     | 6.33  | 63 | 7944 | 5.080 ug/L # | 89     |
| 39) cis-1,3-Dichloropropene | 7.23  | 75 | 1635 | 0.712 ug/L # | 56     |
| 59) 1,2,3-Trichloropropane  | 11.48 | 75 | 8716 | 4.924 ug/L   | 93     |

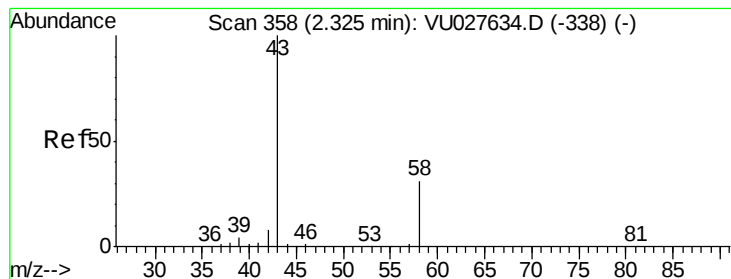
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.512 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

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MSVOA\_U

ClientSampleId :

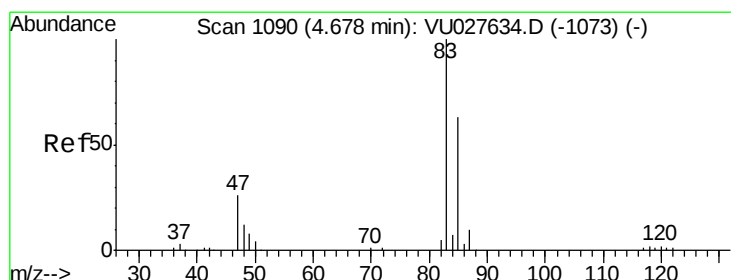
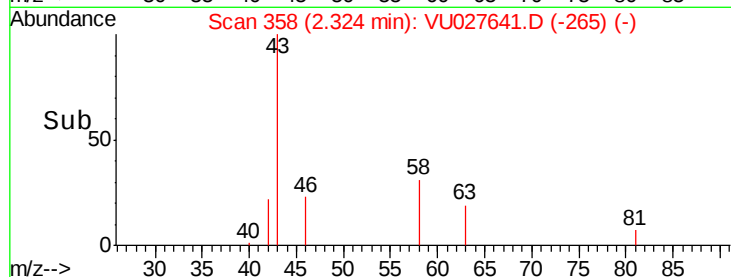
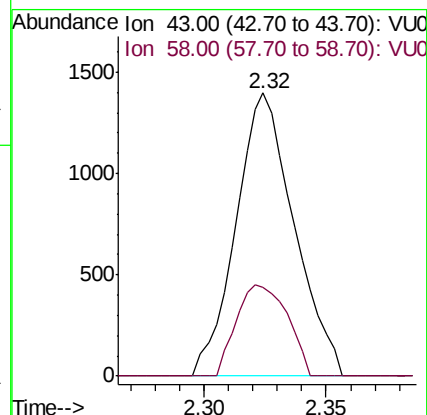
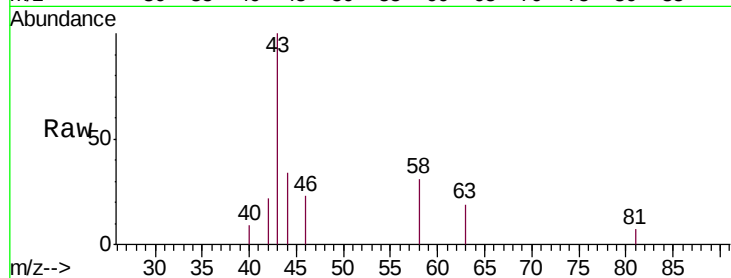
C08Y1

Tgt Ion: 43 Resp: 2304

Ion Ratio Lower Upper

43 100

58 28.4 0.0 60.8



#25

Chloroform

Concen: 0.888 ug/L

RT: 4.68 min Scan# 1092

Delta R.T. 0.01 min

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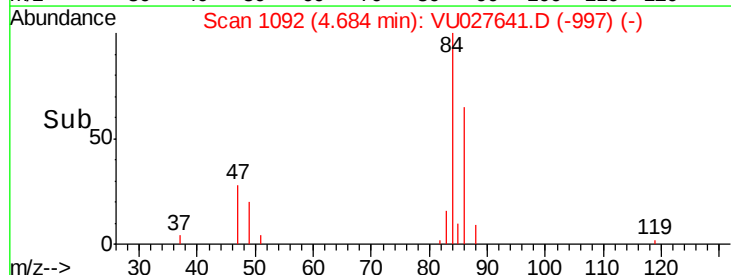
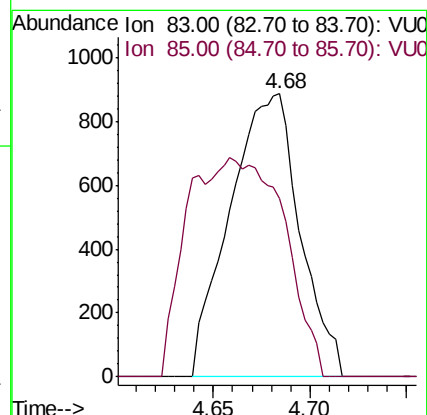
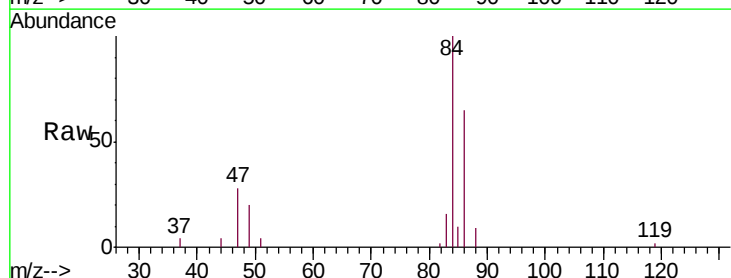
Acq: 12 Oct 2018 22:23

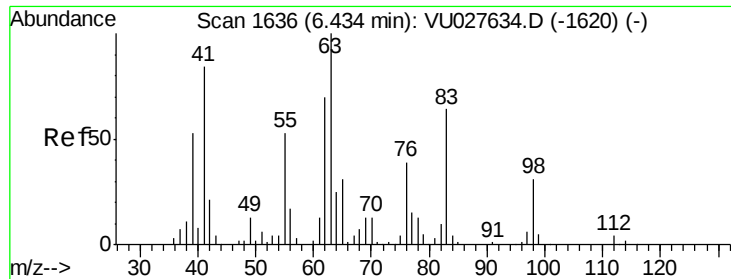
Tgt Ion: 83 Resp: 2231

Ion Ratio Lower Upper

83 100

85 63.1 45.0 83.6

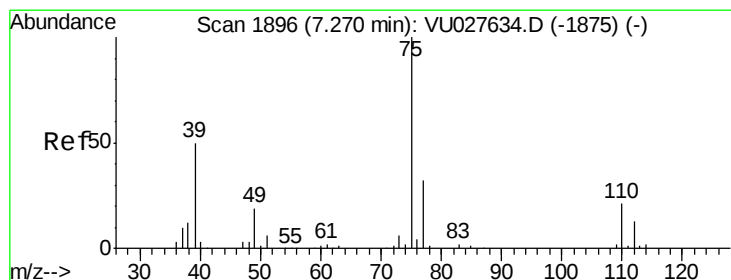
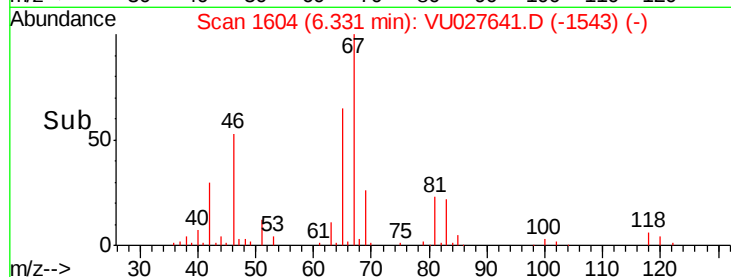
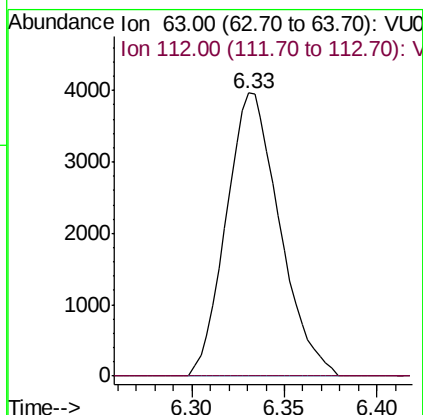
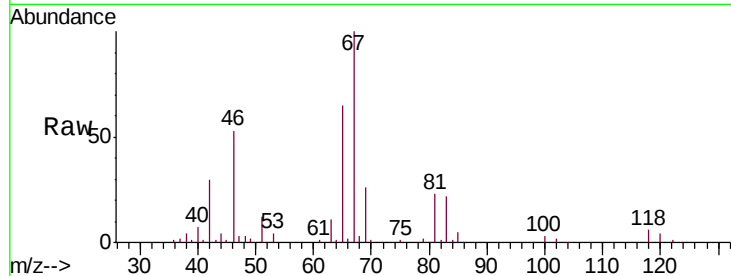




#37  
 1,2-Dichloropropane  
 Concen: 5.080 ug/L  
 RT: 6.33 min Scan# 1604  
 Delta R.T. -0.10 min  
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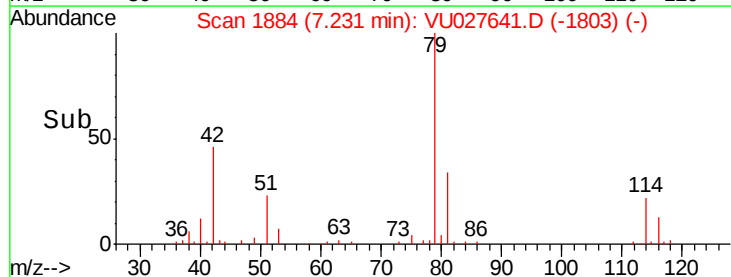
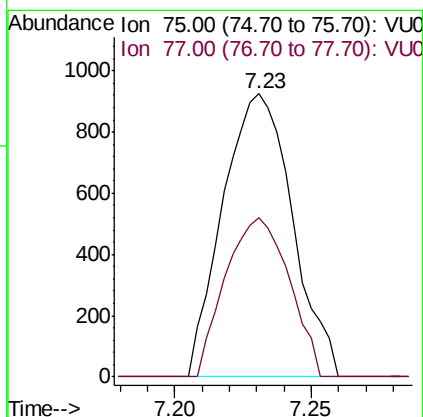
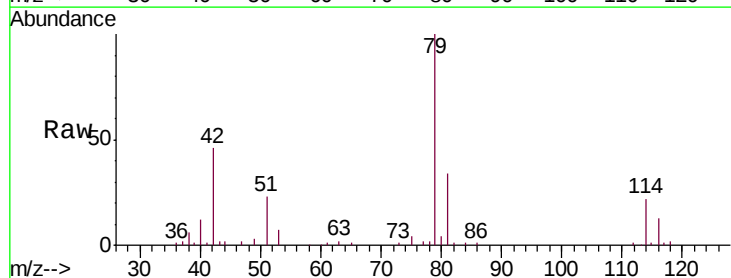
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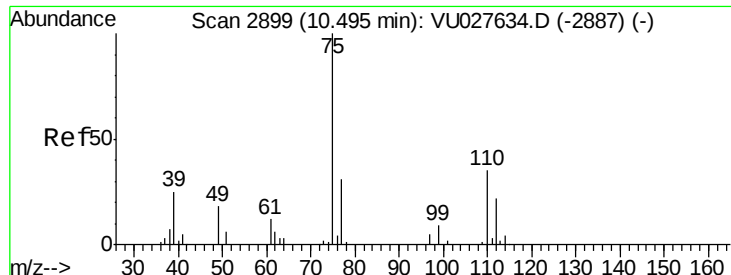
Tgt Ion: 63 Resp: 7944  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 2.9 4.3#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.712 ug/L  
 RT: 7.23 min Scan# 1884  
 Delta R.T. -0.04 min  
 Lab File: VU027641.D  
 Acq: 12 Oct 2018 22:23

Tgt Ion: 75 Resp: 1635  
 Ion Ratio Lower Upper  
 75 100  
 77 56.1 22.1 41.1#





#59

1,2,3-Trichloropropane

Concen: 4.924 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU027641.D

Acq: 12 Oct 2018 22:23

Instrument :

MSVOA\_U

ClientSampleId :

C08Y1

Tgt Ion: 75 Resp: 8716

Ion Ratio Lower Upper

75 100

77 35.9 25.7 38.5

