

Data File : VV009394.D  
Acq On : 27 Feb 2019 13:13  
Operator : SY/MD  
Sample : K1601-09  
Misc : 5.42G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF7Y3RE

Quant Time: Feb 28 04:35:51 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM022619S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Feb 28 04:32:57 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 127984   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 110368   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 44422    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 32948    | 20.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.84%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 53352    | 25.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 101.92% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 69750    | 16.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.52%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 27195    | 56.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 112.12% |
| 24) Chloroform-d               | 4.40   | 84    | 75382    | 24.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.16%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 45487    | 26.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.96% |
| 29) Benzene-d6                 | 5.10   | 84    | 154254   | 26.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 105.16% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 47348    | 27.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 110.16% |
| 37) Toluene-d8                 | 7.36   | 98    | 137899   | 24.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.00%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 22216    | 25.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 103.40% |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 22313    | 61.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 122.64% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 46407    | 27.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 110.52% |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 39829    | 24.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.84%  |

#### Target Compounds

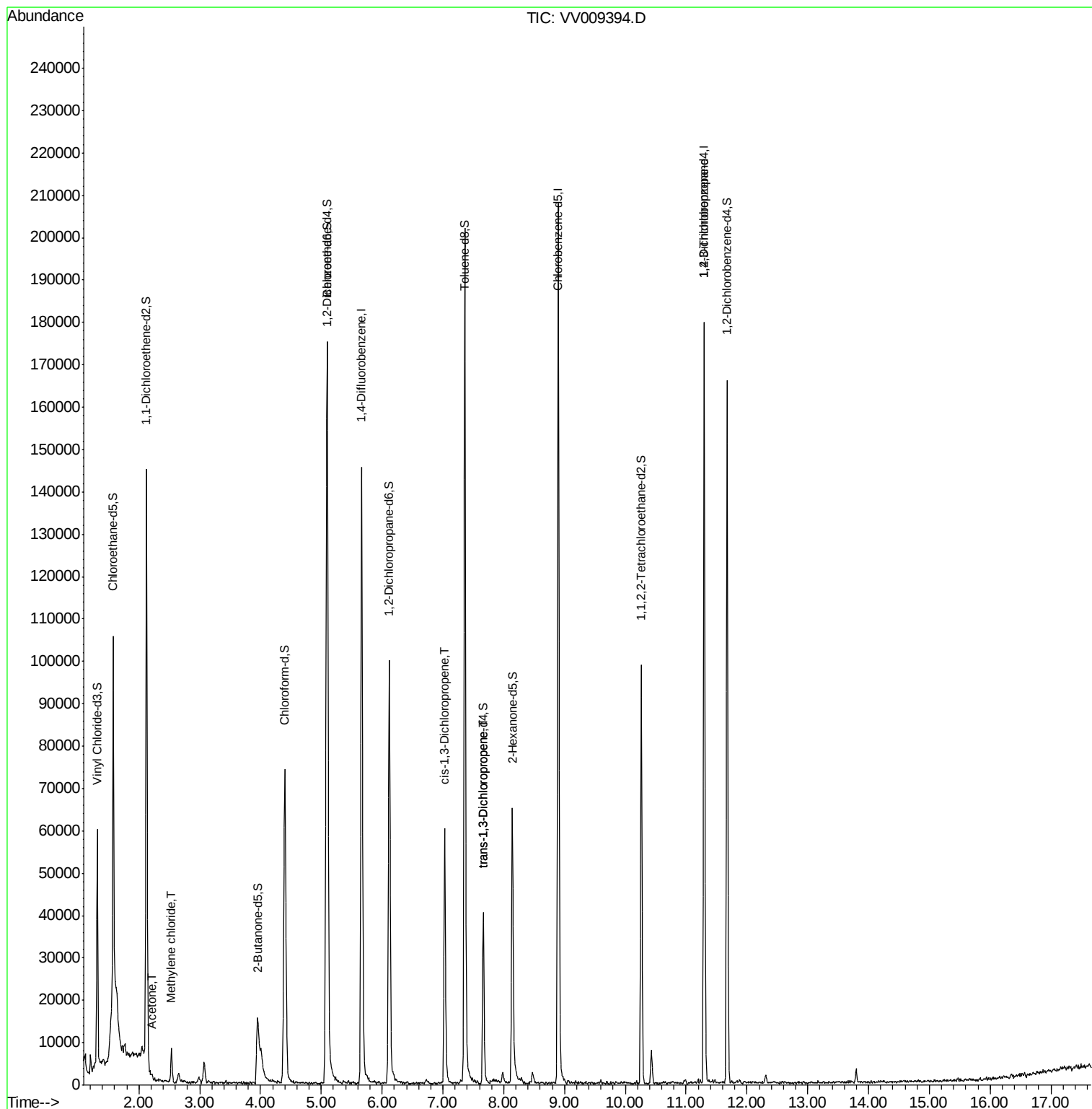
|                               |       |    |      |              | Qvalue |
|-------------------------------|-------|----|------|--------------|--------|
| 13) Acetone                   | 2.21  | 43 | 1003 | 1.808 ug/L   | 97     |
| 16) Methylene chloride        | 2.54  | 84 | 3445 | 1.987 ug/L   | 87     |
| 42) cis-1,3-Dichloropropene   | 7.03  | 75 | 1797 | 0.740 ug/L # | 54     |
| 45) trans-1,3-Dichloropropene | 7.67  | 75 | 1240 | 0.563 ug/L # | 57     |
| 59) 1,2,3-Trichloropropane    | 11.29 | 75 | 6569 | 5.371 ug/L   | 91     |

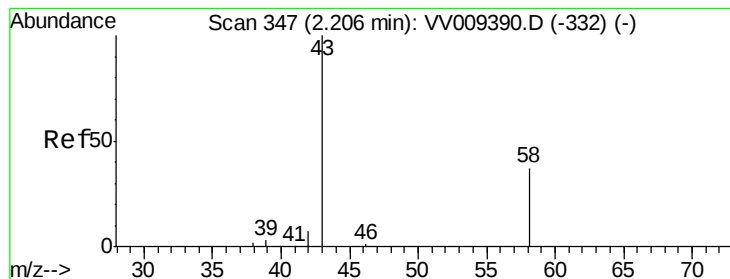
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.808 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

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Instrument :

MSVOA\_V

ClientSampleId :

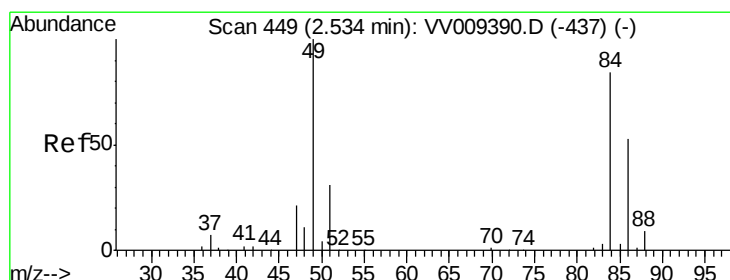
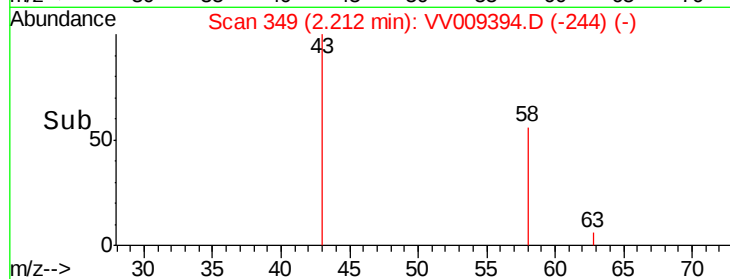
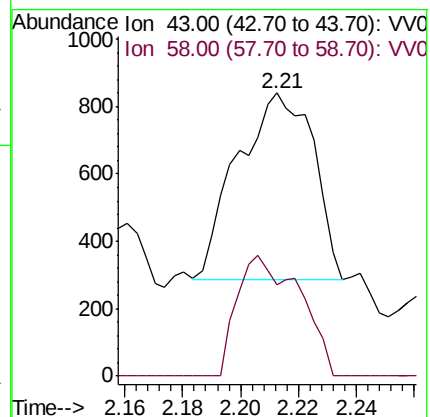
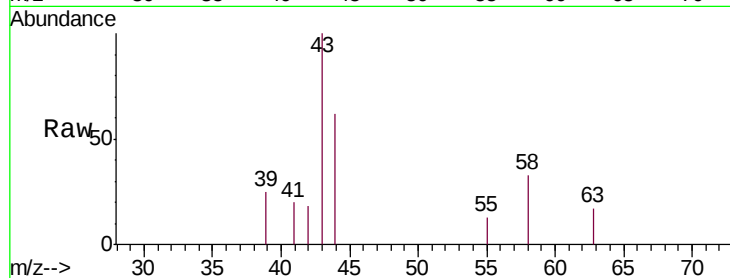
BF7Y3RE

Tgt Ion: 43 Resp: 1003

Ion Ratio Lower Upper

43 100

58 32.7 0.0 68.8



#16

Methylene chloride

Concen: 1.987 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

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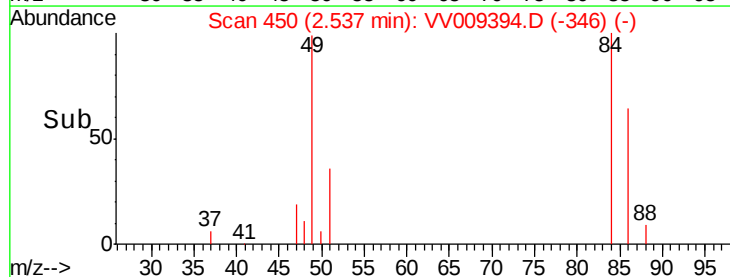
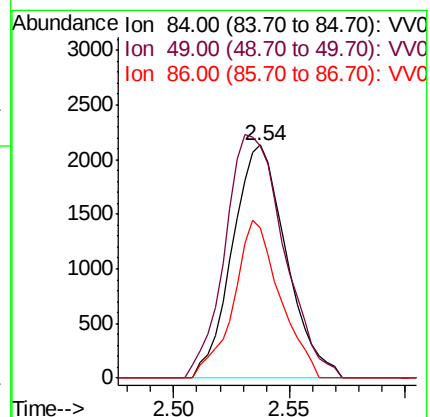
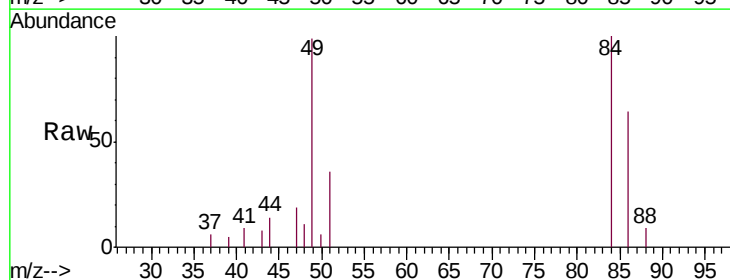
Tgt Ion: 84 Resp: 3445

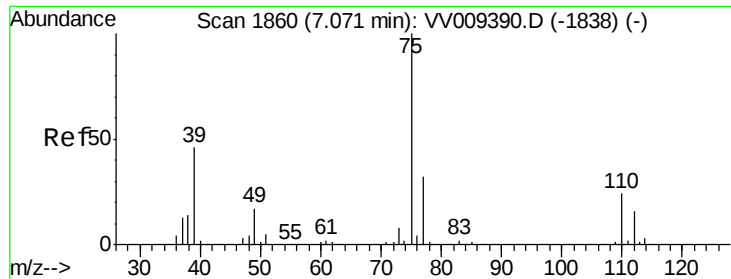
Ion Ratio Lower Upper

84 100

49 99.5 84.6 157.0

86 64.3 46.1 85.7



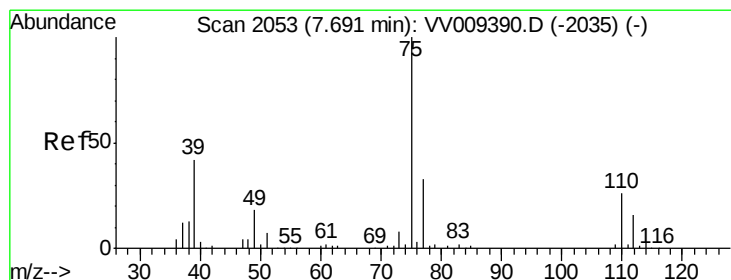
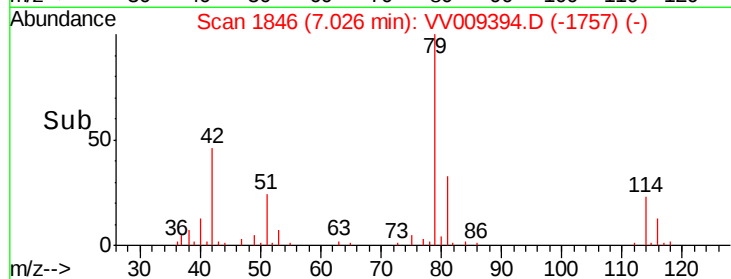
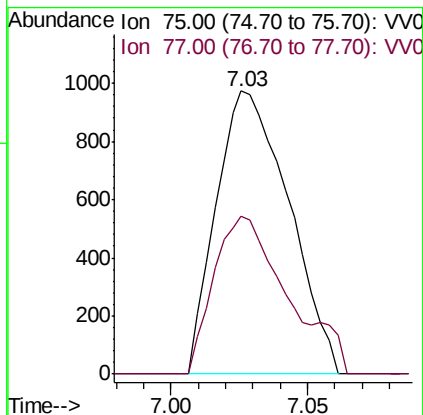
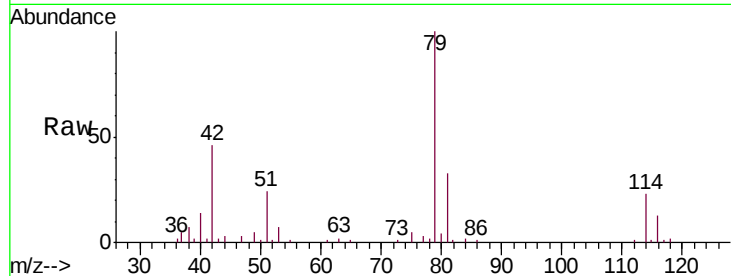


#42

cis-1,3-Dichloropropene  
 Concen: 0.740 ug/L  
 RT: 7.03 min Scan# 1846  
 Delta R.T. -0.04 min  
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 MSVOA\_V  
 ClientSampled :  
 BF7Y3RE

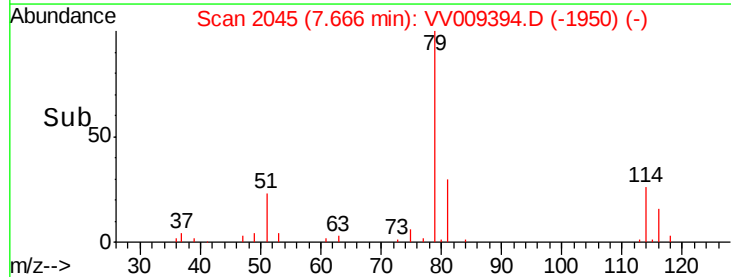
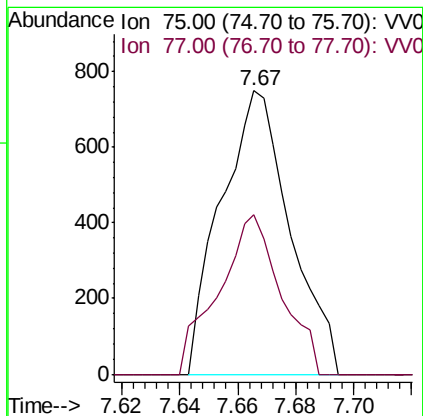
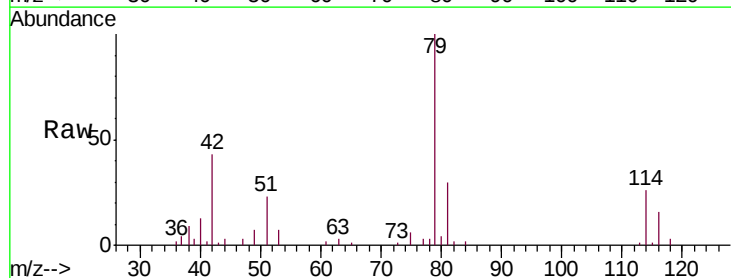
Tgt Ion: 75 Resp: 1797  
 Ion Ratio Lower Upper  
 75 100  
 77 55.7 21.4 39.8#

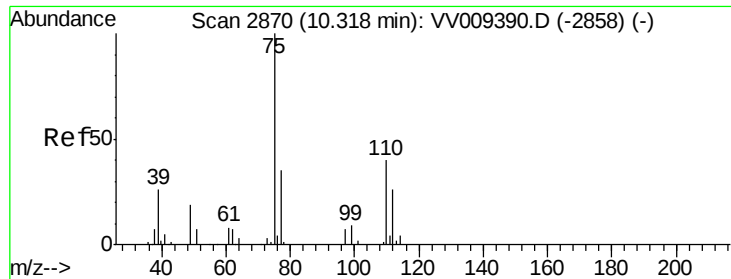


#45

trans-1,3-Dichloropropene  
 Concen: 0.563 ug/L  
 RT: 7.67 min Scan# 2045  
 Delta R.T. -0.03 min  
 Lab File: VV009394.D  
 Acq: 27 Feb 2019 13:13

Tgt Ion: 75 Resp: 1240  
 Ion Ratio Lower Upper  
 75 100  
 77 56.1 22.5 41.7#





#59  
 1,2,3-Trichloropropane  
 Concen: 5.371 ug/L  
 RT: 11.29 min Scan# 3173  
 Delta R.T. 0.97 min  
 Lab File: VV009394.D  
 Acq: 27 Feb 2019 13:13

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF7Y3RE

Tgt Ion: 75 Resp: 6569  
 Ion Ratio Lower Upper  
 75 100  
 77 37.7 25.9 38.9

