

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\  
 Data File : VU025550.D  
 Acq On : 20 Jul 2018 18:30  
 Operator : MD/SY  
 Sample : J4039-14  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 21 02:54:16 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM072018WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 21 02:53:20 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 322698   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 289844   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 134994   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 85230    | 46.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 92.52%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 70031    | 46.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.16%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 135206   | 35.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.50%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 141559   | 99.53    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 99.53%  |
| 24) Chloroform-d               | 4.65    | 84    | 189776   | 46.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.50%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 131290   | 48.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.76%  |
| 32) Benzene-d6                 | 5.35    | 84    | 369726   | 49.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.48%  |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 120106   | 50.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.28% |
| 41) Toluene-d8                 | 7.57    | 98    | 344466   | 48.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.64%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 55826    | 45.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.26%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 104667   | 104.36   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 104.36% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 159841   | 47.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.42%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 135663   | 49.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.18%  |

## Target Compounds

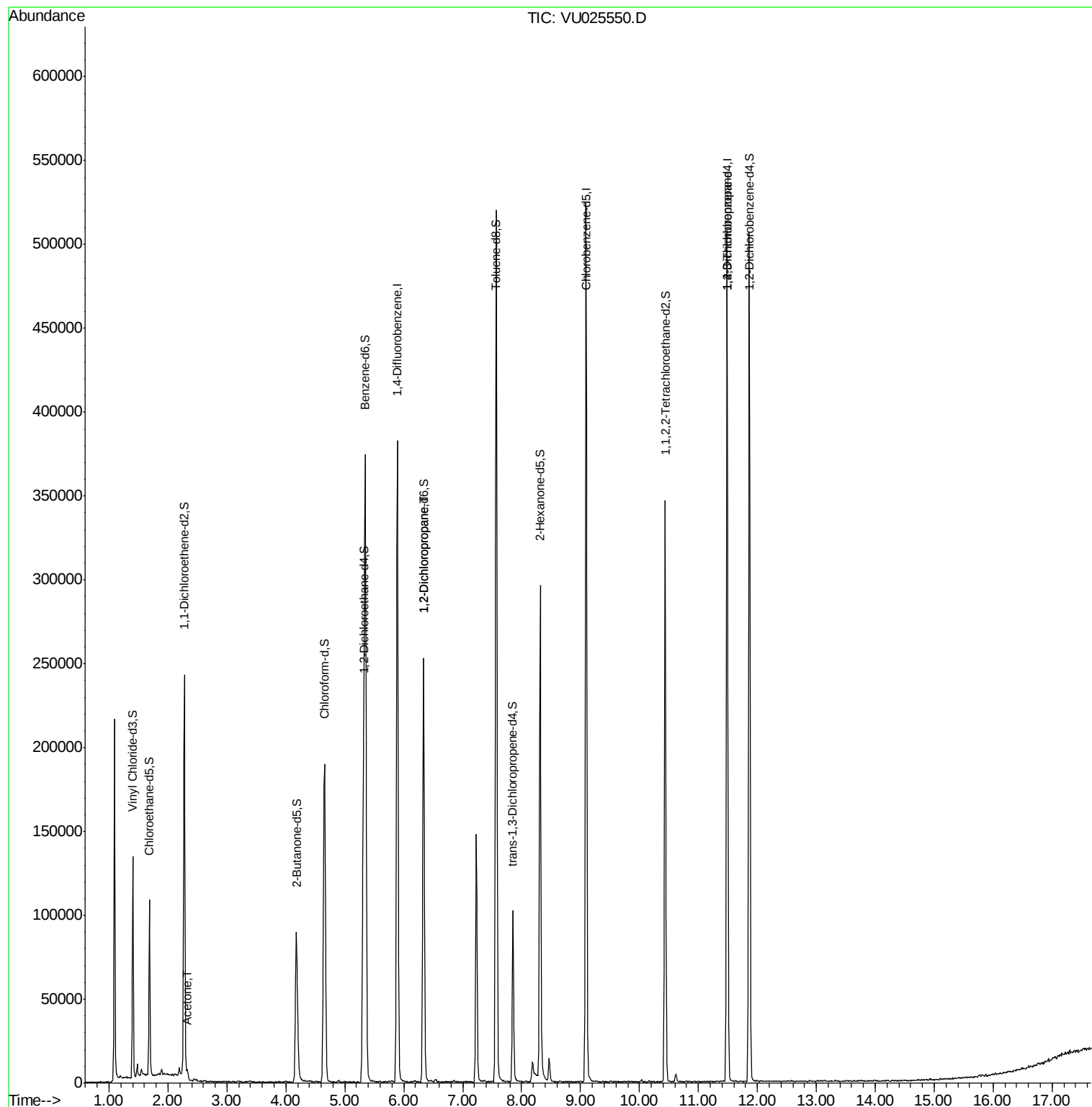
|                            |       |    |       |              | Ovalue |
|----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                | 2.32  | 43 | 5611  | 3.361 ug/L   | 97     |
| 37) 1,2-Dichloropropane    | 6.34  | 63 | 14028 | 6.164 ug/L # | 88     |
| 59) 1,2,3-Trichloropropane | 11.49 | 75 | 14800 | 5.537 ug/L # | 86     |

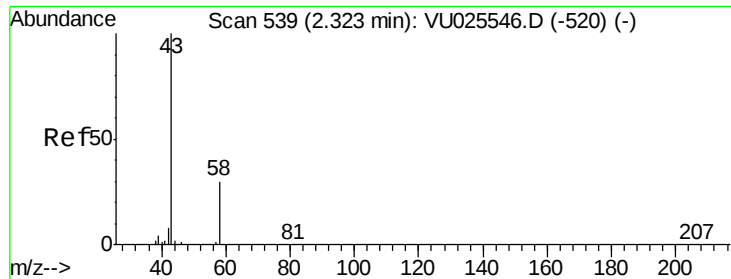
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Jul 21 02:53:20 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 3.361 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025550.D

Acq: 20 Jul 2018 18:30

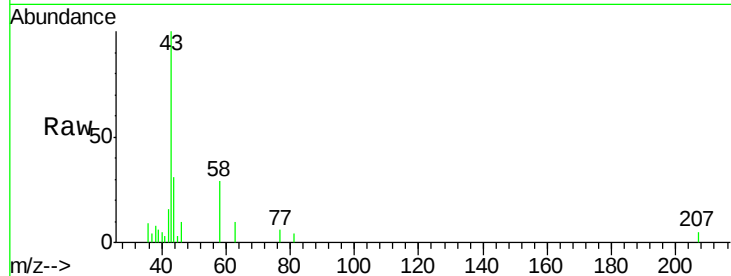
Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 43 Resp: 5611

Ion Ratio Lower Upper

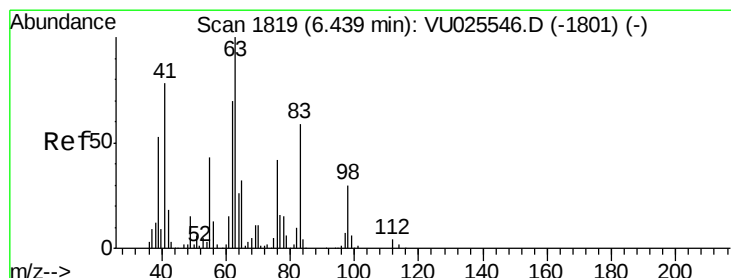
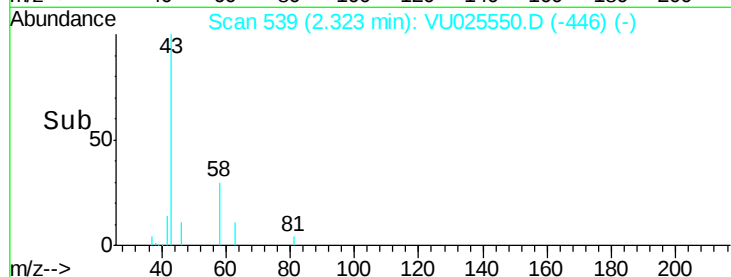
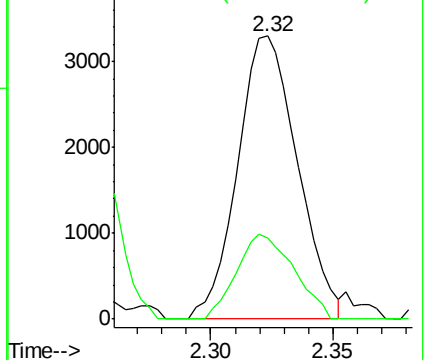
43 100

58 28.7 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#37

1,2-Dichloropropane

Concen: 6.164 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU025550.D

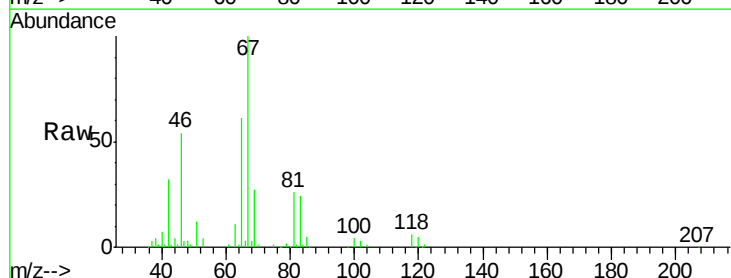
Acq: 20 Jul 2018 18:30

Tgt Ion: 63 Resp: 14028

Ion Ratio Lower Upper

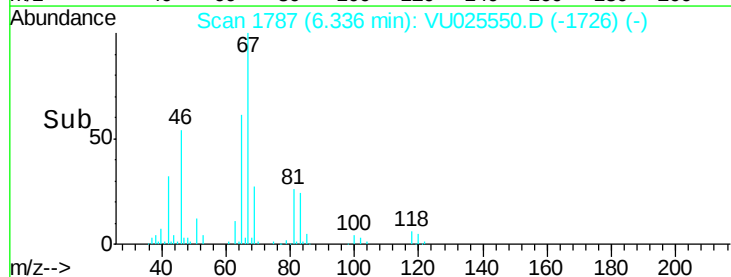
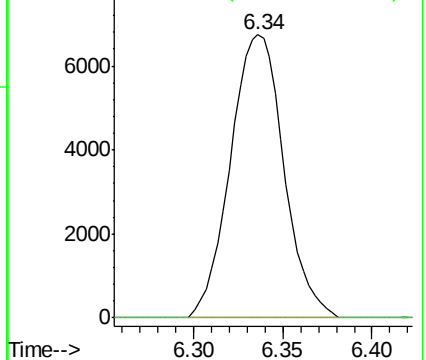
63 100

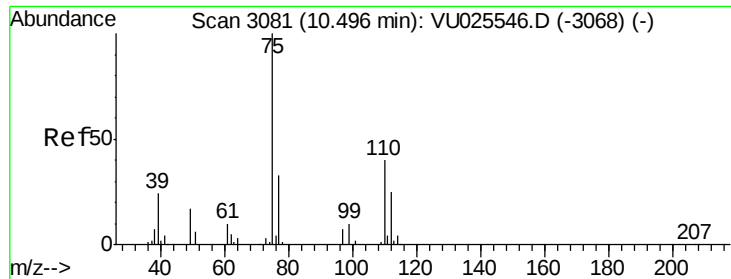
112 0.0 3.3 4.9#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#59

1,2,3-Trichloropropane

Concen: 5.537 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU025550.D

Acq: 20 Jul 2018 18:30

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 75 Resp: 14800

Ion Ratio Lower Upper

75 100

77 40.3 25.8 38.8#

