

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\  
 Data File : VU025551.D  
 Acq On : 20 Jul 2018 18:53  
 Operator : MD/SY  
 Sample : J4097-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0AA0

Quant Time: Jul 21 03:10:28 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  | 326504   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 297159   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 137471   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 81496    | 43.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.44%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 69431    | 45.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.32%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 132900   | 34.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.50%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 147095   | 102.22   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.22% |
| 24) Chloroform-d               | 4.65    | 84    | 188227   | 45.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.66%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 128461   | 46.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.56%  |
| 32) Benzene-d6                 | 5.35    | 84    | 363036   | 47.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.26%  |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 119332   | 48.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.18%  |
| 41) Toluene-d8                 | 7.57    | 98    | 337855   | 46.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.46%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 56478    | 45.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.06%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 106852   | 103.92   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.92% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 162051   | 47.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.36%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 137848   | 49.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.96%  |

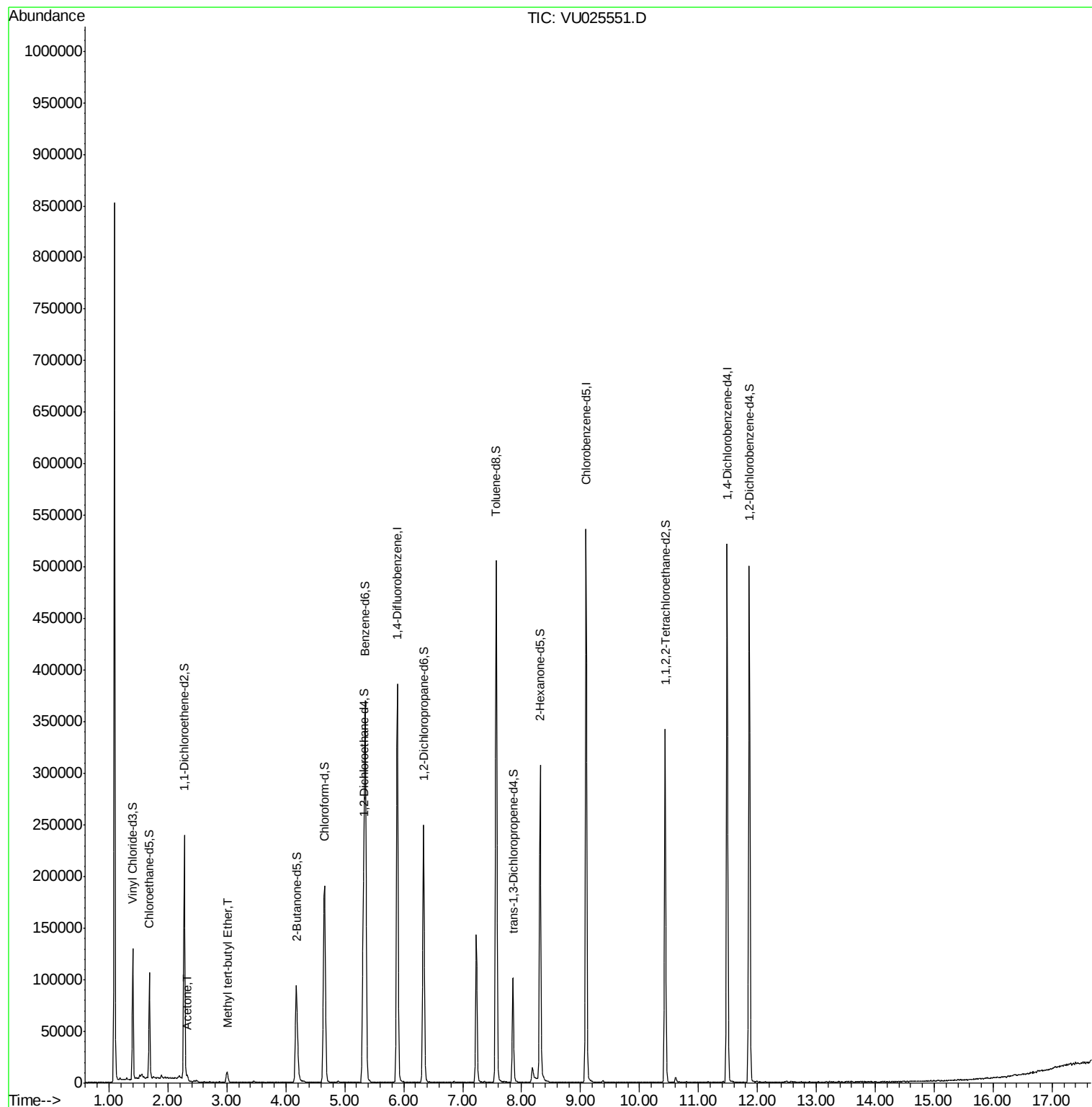
| Target Compounds            |      |    |       |           | Ovalue |
|-----------------------------|------|----|-------|-----------|--------|
| 13) Acetone                 | 2.32 | 43 | 4980  | 2.95 ug/L | 98     |
| 18) Methyl tert-butyl Ether | 3.00 | 73 | 10761 | 1.56 ug/L | 97     |

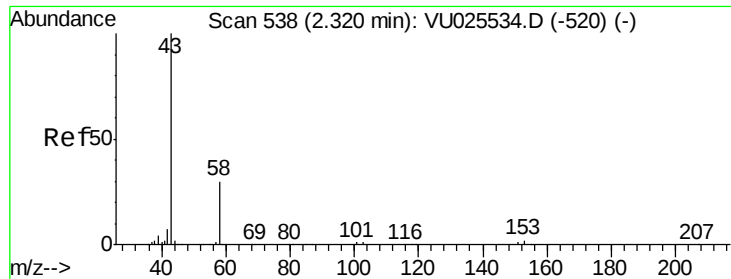
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 21 02:53:20 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 2.95 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025551.D

Acq: 20 Jul 2018 18:53

Instrument :

MSVOA\_U

ClientSampleId :

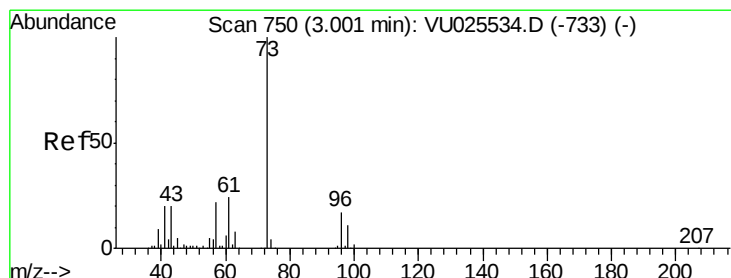
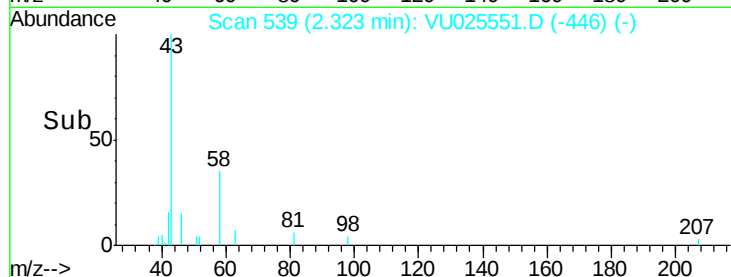
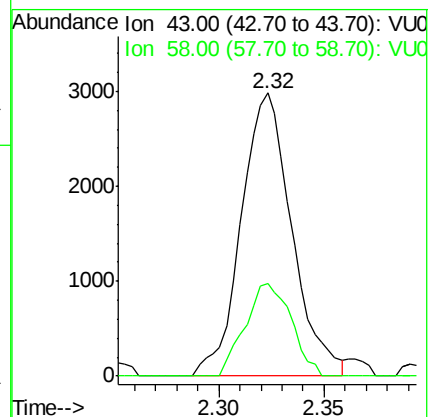
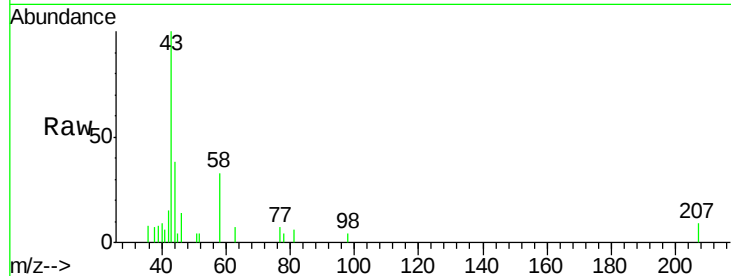
H0AA0

Tot Ion: 43 Resp: 4980

Ion Ratio Lower Upper

43 100

58 29.7 0.0 61.2



#18

Methyl tert-butyl Ether

Concen: 1.56 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

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Acq: 20 Jul 2018 18:53

Tgt Ion: 73 Resp: 10761

Ion Ratio Lower Upper

73 100

43 22.5 16.2 24.2

57 21.2 17.1 25.7

