

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\  
 Data File : VU030361.D  
 Acq On : 24 Mar 2019 11:30  
 Operator : JC/SP  
 Sample : K2083-06  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF1A4

Quant Time: Mar 25 12:36:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Mar 25 03:20:51 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 427259   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 404895   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 164155   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 181796   | 52.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 105.74% |
| 7) Chloroethane-d5             | 1.68    | 69    | 141871   | 52.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 104.10% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 248781   | 38.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.28%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 279471   | 86.46    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 86.46%  |
| 24) Chloroform-d               | 4.65    | 84    | 276338   | 46.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.28%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 180701   | 46.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.22%  |
| 32) Benzene-d6                 | 5.34    | 84    | 572694   | 49.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.64%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 202233   | 50.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.82% |
| 41) Toluene-d8                 | 7.56    | 98    | 503959   | 48.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.66%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 84204    | 45.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.16%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 188955   | 87.77    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 87.77%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 258245   | 45.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.86%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 161529   | 49.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.22%  |

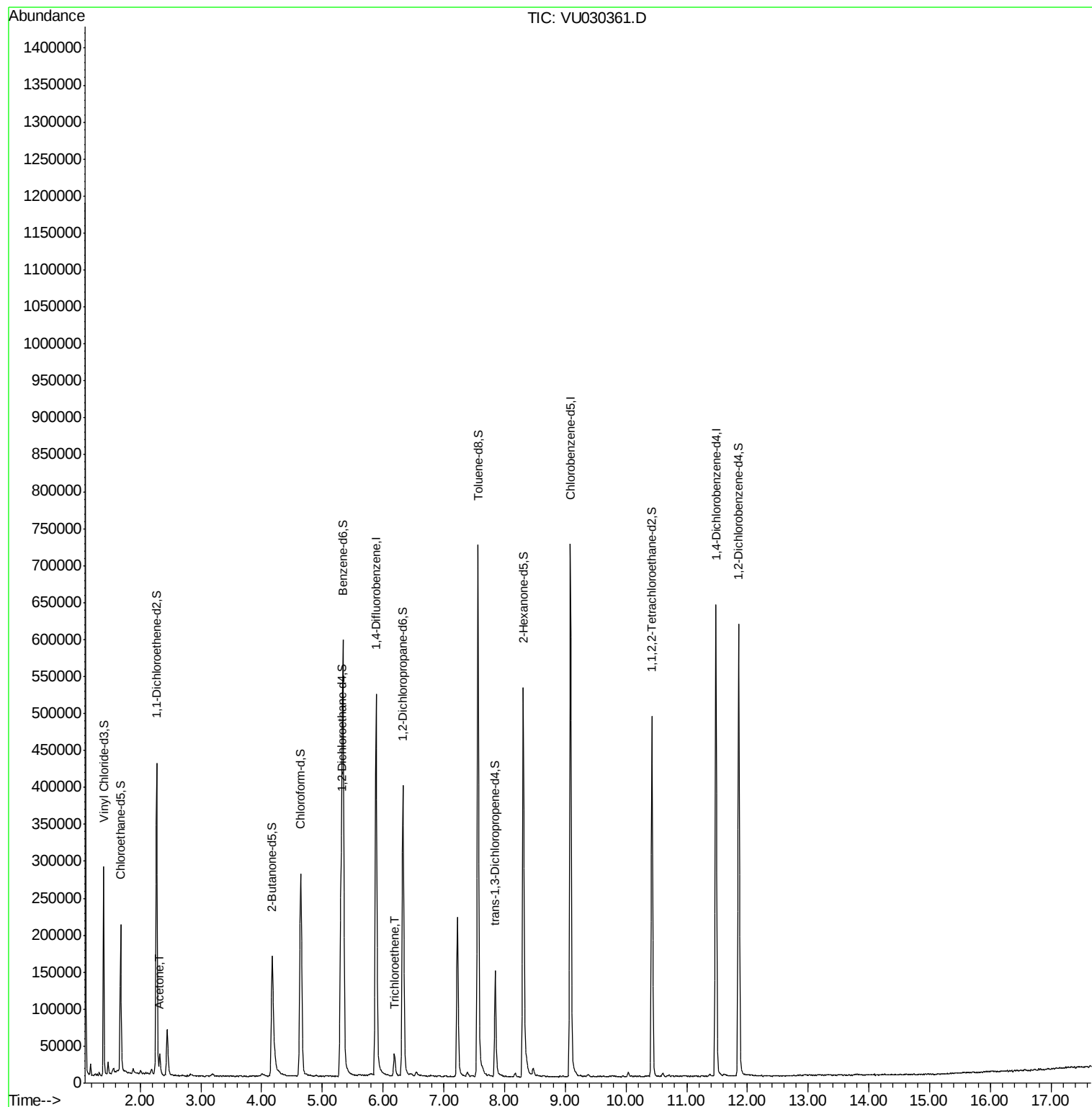
| Target Compounds    |      |    |       |            | Ovalue |
|---------------------|------|----|-------|------------|--------|
| 13) Acetone         | 2.32 | 43 | 25886 | 7.919 ug/L | 98     |
| 34) Trichloroethene | 6.19 | 95 | 11173 | 3.298 ug/L | 95     |

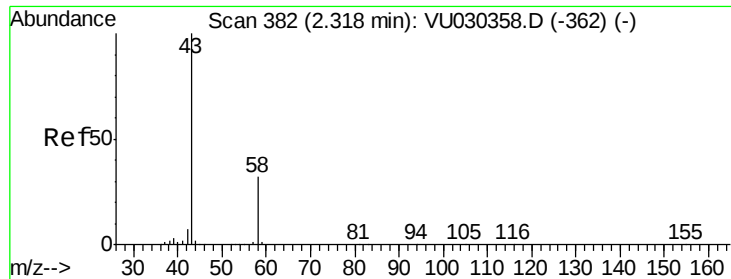
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 7.919 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030361.D

Acq: 24 Mar 2019 11:30

Instrument :

MSVOA\_U

ClientSampleId :

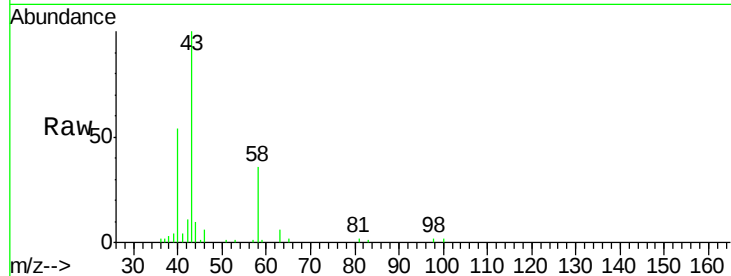
BF1A4

Tot Ion: 43 Resp: 25886

Ion Ratio Lower Upper

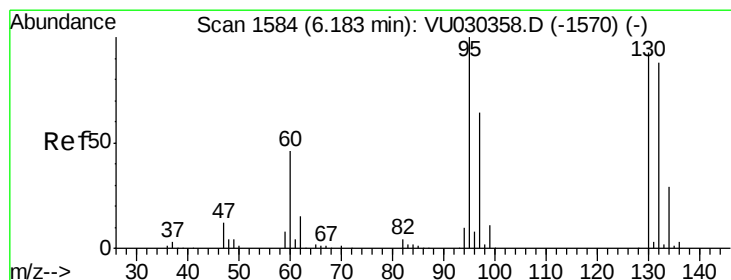
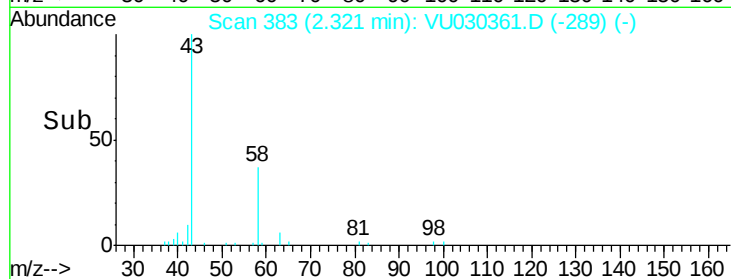
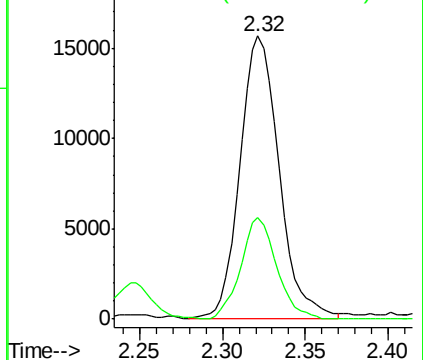
43 100

58 32.8 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030358.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030358.D (-362) (-)



#34

Trichloroethene

Concen: 3.298 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU030361.D

Acq: 24 Mar 2019 11:30

Tgt Ion: 95 Resp: 11173

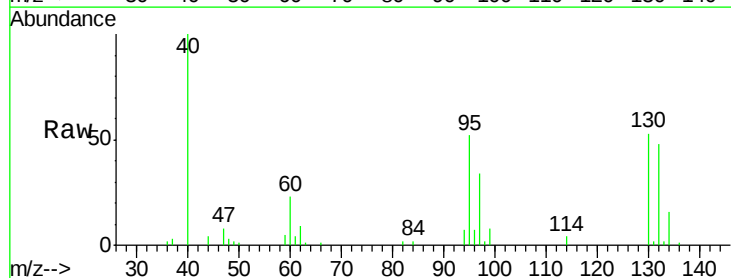
Ion Ratio Lower Upper

95 100

97 66.0 45.7 84.9

132 93.5 63.8 118.4

130 103.0 65.7 121.9



Abundance Ion 95.00 (94.70 to 95.70): VU030358.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU030358.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU030358.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU030358.D (-1570) (-)

