

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042219\  
 Data File : VU031390.D  
 Acq On : 22 Apr 2019 13:44  
 Operator : JC/SP  
 Sample : VIBLK41  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK41

Manual Integrations  
 APPROVED

MMDadoda  
 4/23/2019 11:04:47 AM

Quant Time: Apr 23 01:46:10 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM041719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 23 00:59:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 661795   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 578512   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 291496   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 261298   | 42.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.74%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 215965   | 40.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 81.62%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 364481   | 30.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 60.38%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 312434   | 70.39    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 70.39%  |
| 24) Chloroform-d               | 4.64    | 84    | 347711   | 34.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 68.38%# |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 210294   | 33.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 67.16%# |
| 32) Benzene-d6                 | 5.34    | 84    | 752466   | 41.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.28%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 243994   | 41.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 82.22%  |
| 41) Toluene-d8                 | 7.56    | 98    | 690340   | 42.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.80%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 106682   | 37.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.20%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 241365   | 86.14    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 86.14%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 329354   | 39.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 79.94%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 275199   | 41.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.34%  |

| Target Compounds    |      |    |       |       | Ovalue |
|---------------------|------|----|-------|-------|--------|
| 13) Acetone         | 2.35 | 43 | 6940m | 2.032 | ug/L   |
| 34) Trichloroethene | 6.19 | 95 | 17568 | 3.608 | ug/L   |

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

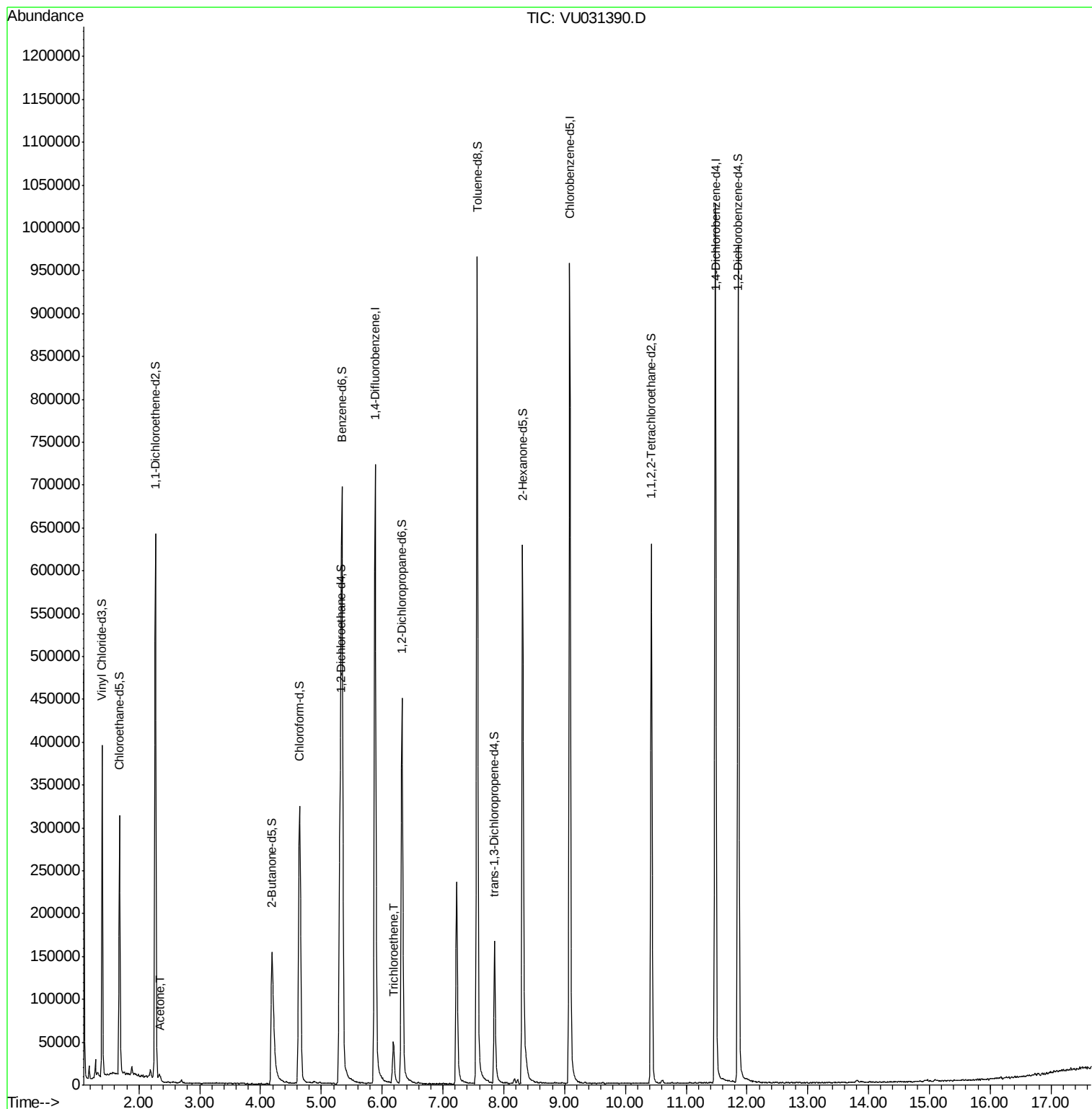
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042219\  
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ALS Vial : 11 Sample Multiplier: 1

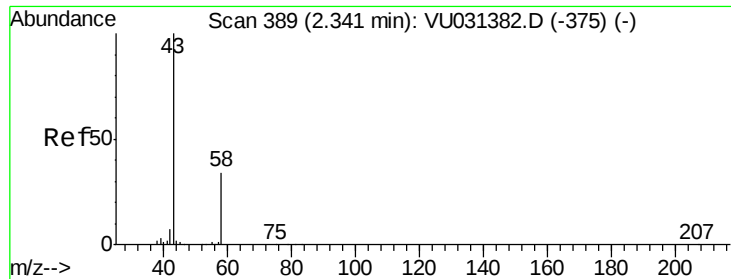
Instrument :  
MSVOA\_U  
ClientSampled :  
VIBLK41

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Quant Title : VOC Analysis  
QLast Update : Tue Apr 23 00:59:20 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 2.032 ug/L m

RT: 2.35 min Scan# 392

Delta R.T. 0.01 min

Lab File: VU031390.D

Acq: 22 Apr 2019 13:44

Instrument :

MSVOA\_U

ClientSampleId :

VIBLK41

Tot Ion: 43 Resp: 6940

Ion Ratio Lower Upper

43 100

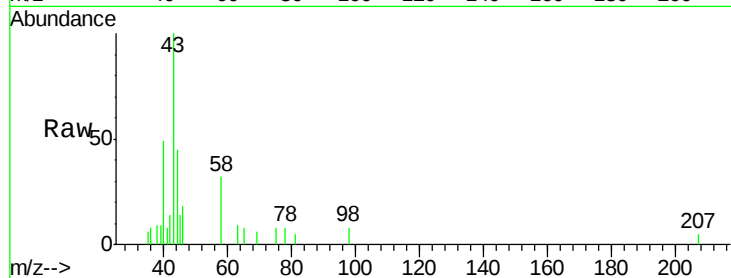
58 1.4 0.0 65.0

Manual Integrations

APPROVED

MMDadoda

4/23/2019 11:04:47 AM



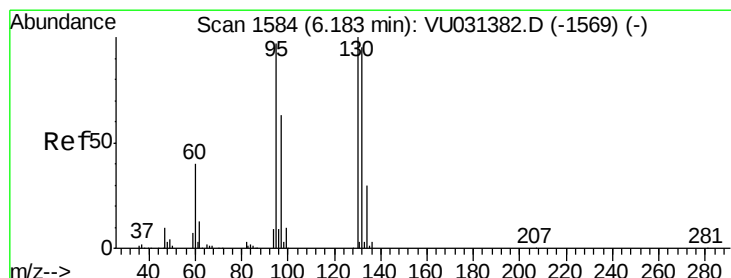
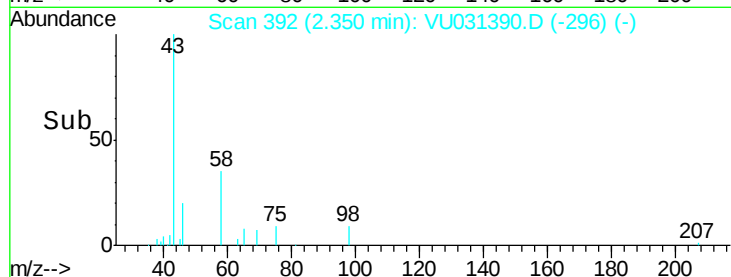
Abundance Ion 43.00 (42.70 to 43.70): VU031382.D (-375) (-)

Ion 58.00 (57.70 to 58.70): VU031382.D (-375) (-)

2.35

2.30 2.35 2.40

Time-->



#34

Trichloroethene

Concen: 3.608 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU031390.D

Acq: 22 Apr 2019 13:44

Tgt Ion: 95 Resp: 17568

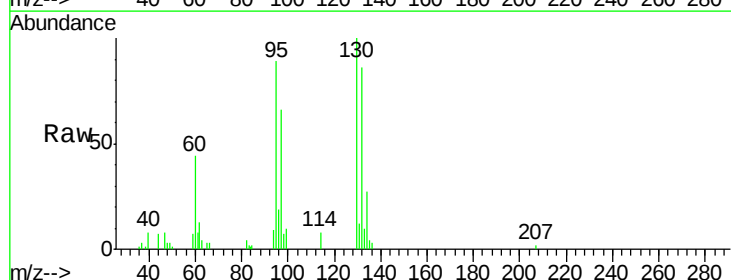
Ion Ratio Lower Upper

95 100

97 74.6 43.6 81.0

132 97.4 64.5 119.7

130 112.7 68.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VU031382.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU031382.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU031382.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU031382.D (-1569) (-)

6.19

6.15 6.20 6.25

Time-->

