

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072019\  
 Data File : VU033352.D  
 Acq On : 20 Jul 2019 01:07  
 Operator : JC/SP  
 Sample : K3890-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A52W4

Quant Time: Jul 20 05:52:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR071619WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jul 20 05:21:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.87  | 114  | 107838   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 113461   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 49835    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 43369    | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.80%  |
| 7) Chloroethane-d5             | 1.67   | 69    | 41208    | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 72861    | 3.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 69.40%  |
| 20) 2-Butanone-d5              | 4.17   | 46    | 119002   | 58.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 116.30% |
| 24) Chloroform-d               | 4.62   | 84    | 72277    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 43663    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.80% |
| 32) Benzene-d6                 | 5.32   | 84    | 141518   | 4.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 47460    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.40%  |
| 41) Toluene-d8                 | 7.55   | 98    | 119364   | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.80%  |
| 43) trans-1,3-Dichloropropene- | 7.83   | 79    | 16416    | 4.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.60%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 88808    | 53.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 107.32% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 42965    | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 49621    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.40% |

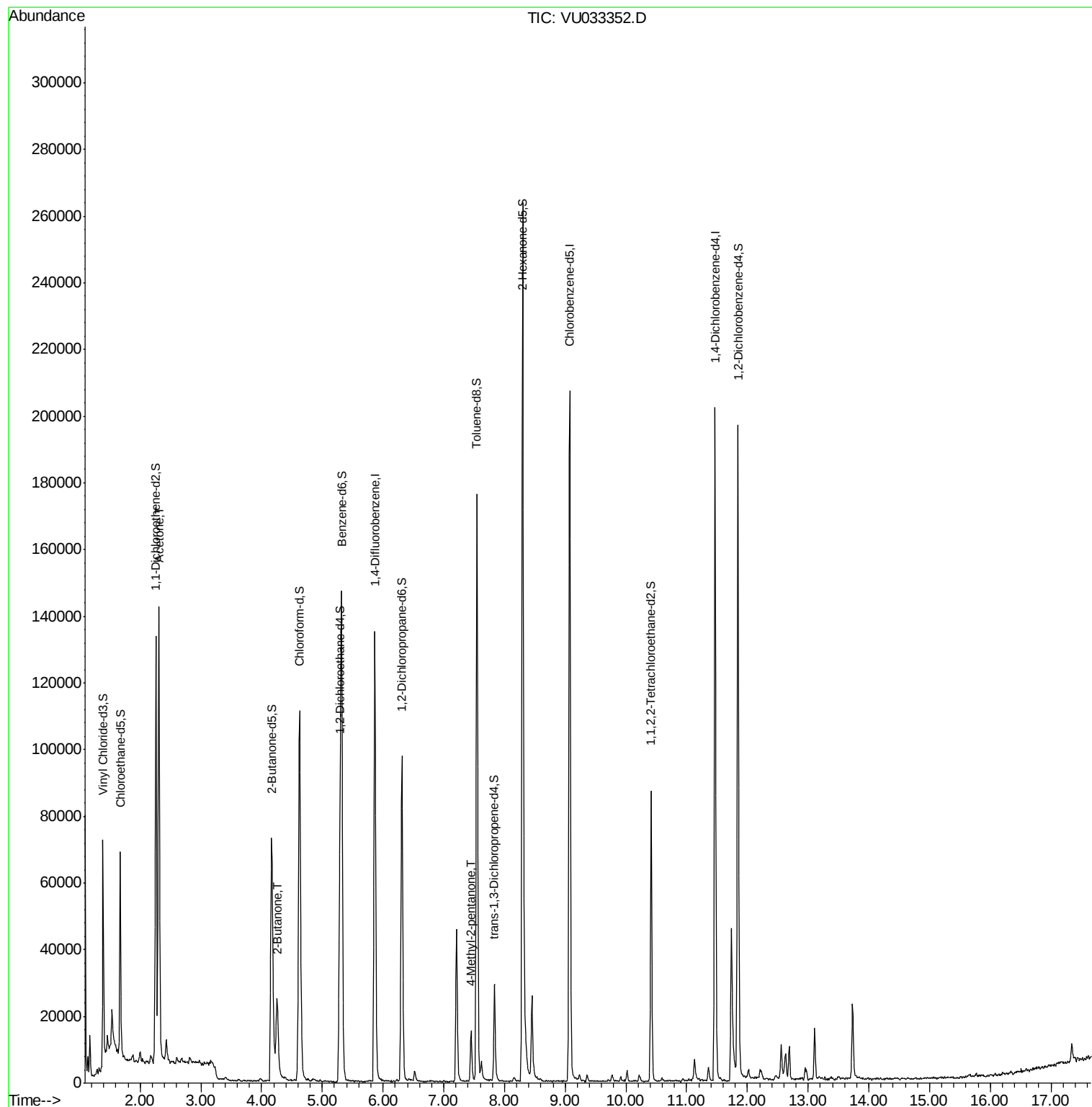
| Target Compounds         |      |    |        |        | Ovalue    |
|--------------------------|------|----|--------|--------|-----------|
| 13) Acetone              | 2.31 | 43 | 137716 | 76.858 | ug/L 100  |
| 21) 2-Butanone           | 4.25 | 43 | 36154  | 17.556 | ug/L 100  |
| 40) 4-Methyl-2-pentanone | 7.45 | 43 | 11246  | 2.259  | ug/L # 85 |

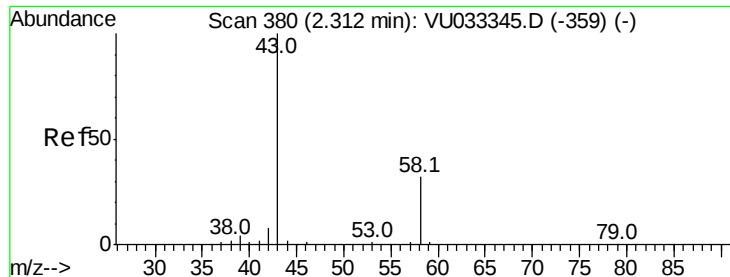
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 76.858 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU033352.D

Acq: 20 Jul 2019 01:07

Instrument :

MSVOA\_U

ClientSampleId :

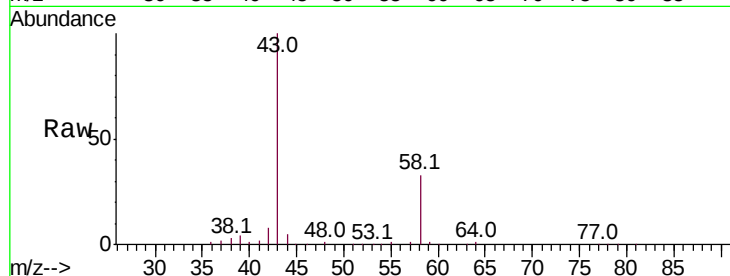
A52W4

Tot Ion: 43 Resp: 137716

Ion Ratio Lower Upper

43 100

58 33.1 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU033345.D (-359) (-)

Ion 58.05 (57.75 to 58.75): VU033345.D (-359) (-)

2.31

80000

60000

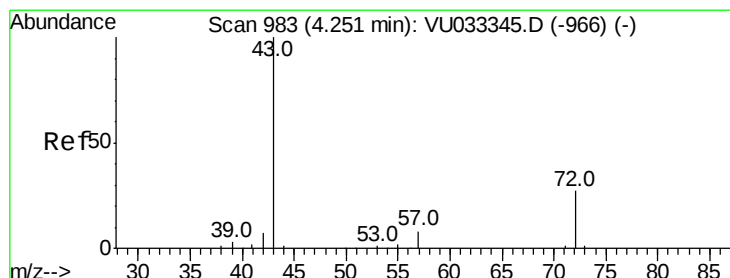
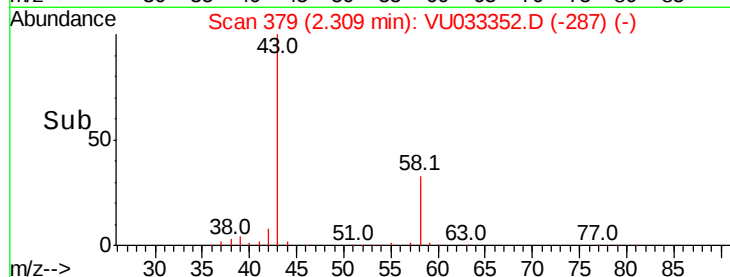
40000

20000

0

Time-->

2.25 2.30 2.35 2.40



#21

2-Butanone

Concen: 17.556 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU033352.D

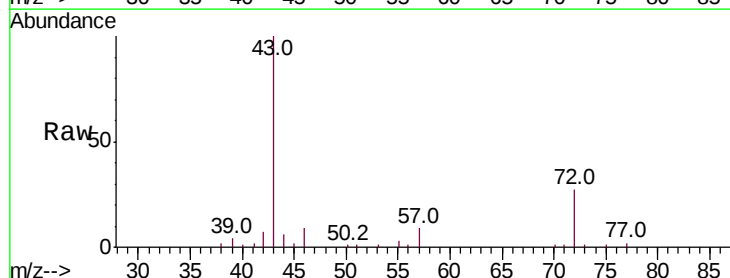
Acq: 20 Jul 2019 01:07

Tgt Ion: 43 Resp: 36154

Ion Ratio Lower Upper

43 100

72 26.8 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU033345.D (-966) (-)

Ion 72.10 (71.80 to 72.80): VU033345.D (-966) (-)

4.25

15000

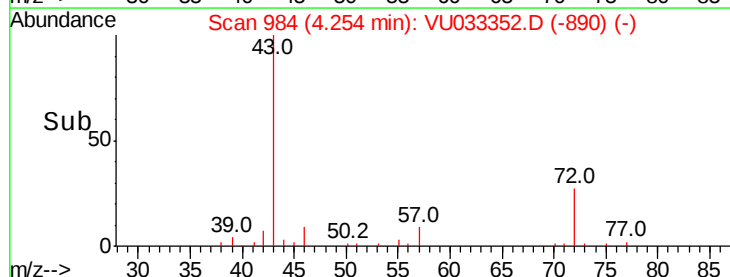
10000

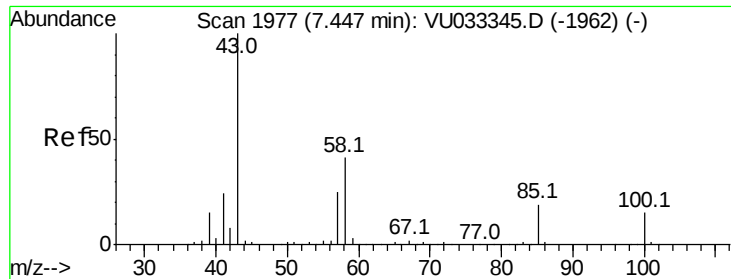
5000

0

Time-->

4.15 4.20 4.25 4.30 4.35





#40

4-Methyl-2-pentanone

Concen: 2.259 ug/L

RT: 7.45 min Scan# 1978

Delta R.T. 0.00 min

Lab File: VU033352.D

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Instrument :

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ClientSampleId :

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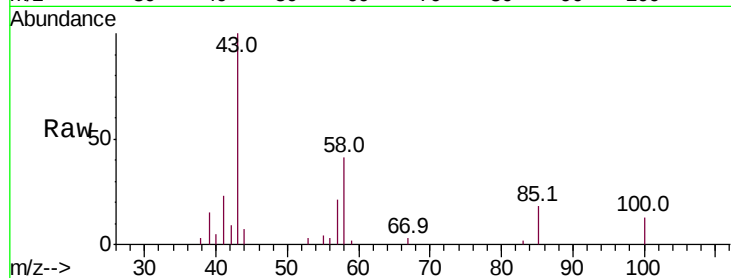
Tot Ion: 43 Resp: 11246

Ion Ratio Lower Upper

43 100

58 36.0 32.4 48.6

100 0.0 11.9 17.9#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0

