

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072519\  
 Data File : VU033399.D  
 Acq On : 25 Jul 2019 10:55  
 Operator : JC/SP  
 Sample : K3982-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AA0

Quant Time: Jul 26 05:06:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM071219WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 26 04:32:42 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 270834   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 275910   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 117731   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 82429    | 40.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 80.42%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 79270    | 45.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.52%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 114549   | 30.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.60%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 125272   | 96.43    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.43%  |
| 24) Chloroform-d               | 4.62    | 84    | 159575   | 46.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 106314   | 48.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.48%  |
| 32) Benzene-d6                 | 5.32    | 84    | 312802   | 46.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.42%  |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 104924   | 48.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.78%  |
| 41) Toluene-d8                 | 7.55    | 98    | 270372   | 42.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.72%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 46648    | 43.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.76%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 91512    | 93.62    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 93.62%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 161670   | 49.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.52%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 109213   | 52.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.04% |

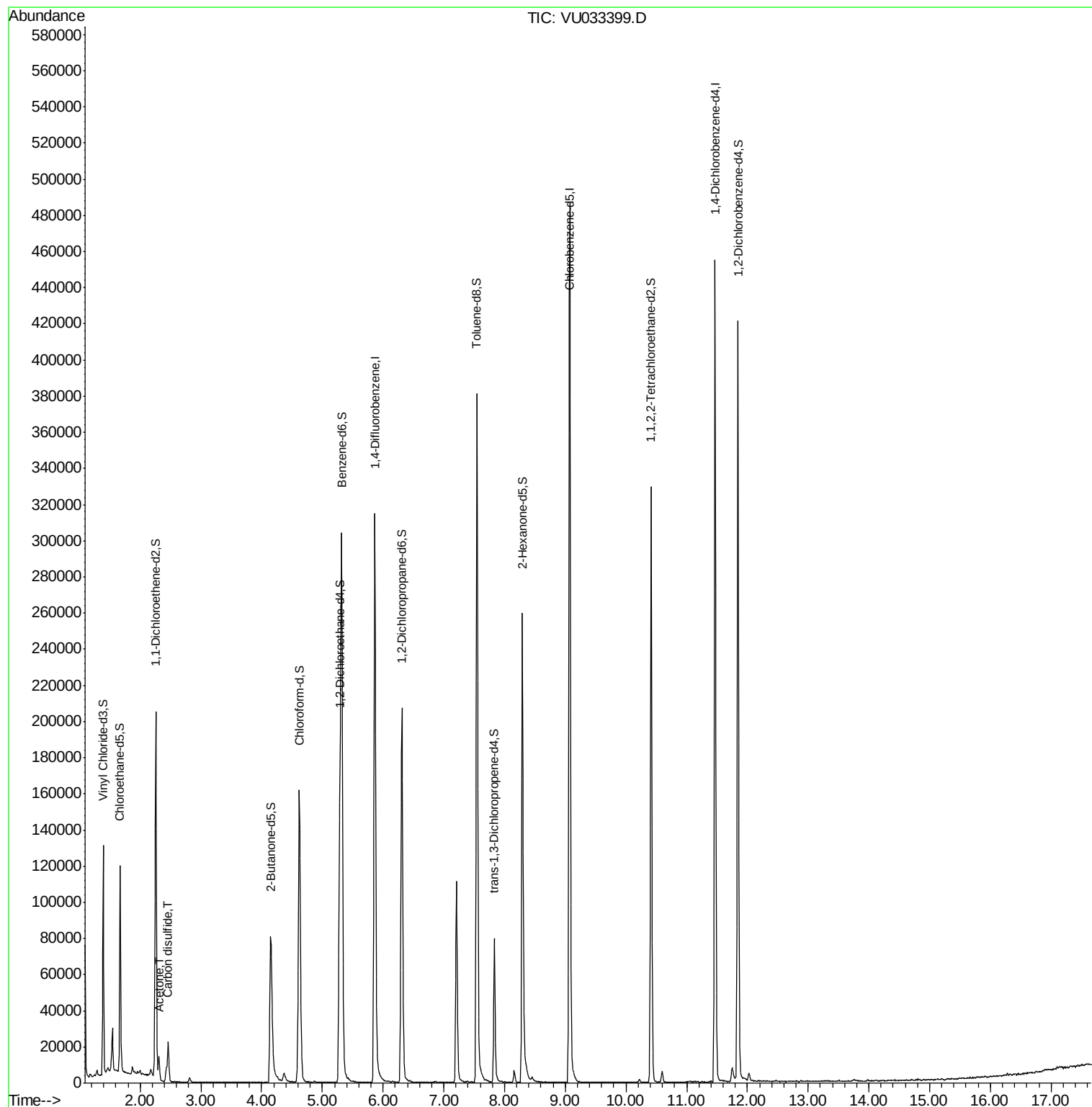
| Target Compounds     |      |    |       |            | Ovalue |
|----------------------|------|----|-------|------------|--------|
| 13) Acetone          | 2.31 | 43 | 13199 | 8.132 ug/L | 98     |
| 14) Carbon disulfide | 2.46 | 76 | 25578 | 4.626 ug/L | 99     |

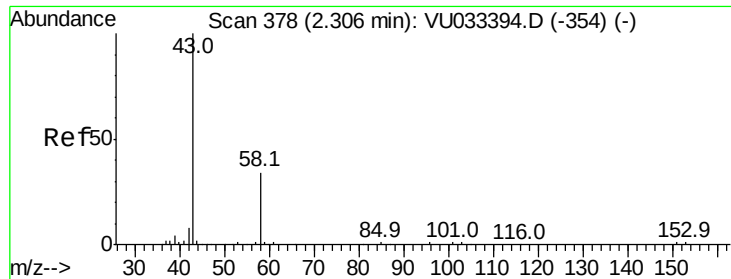
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 8.132 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033399.D

Acq: 25 Jul 2019 10:55

Instrument :

MSVOA\_U

ClientSampleId :

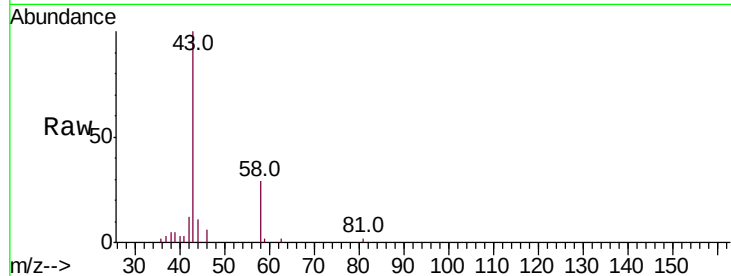
C0AA0

Tot Ion: 43 Resp: 13199

Ion Ratio Lower Upper

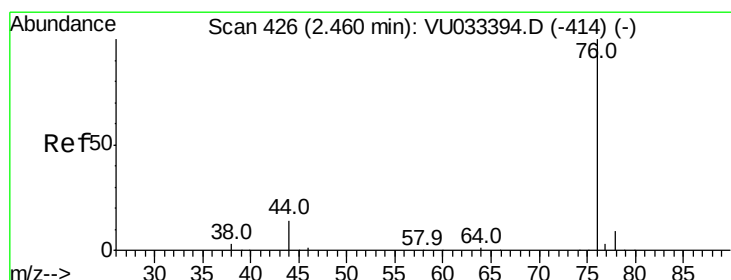
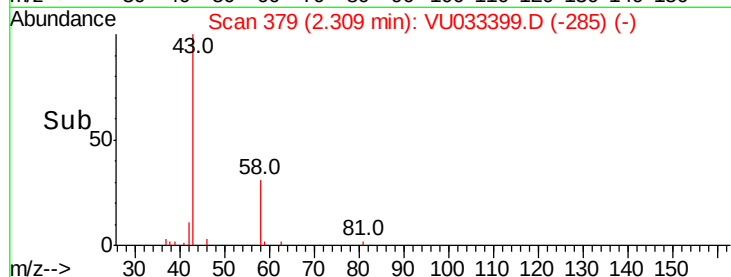
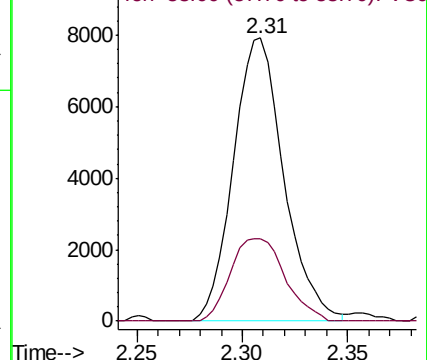
43 100

58 31.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033399.D (-354) (-)

Ion 58.00 (57.70 to 58.70): VU033399.D (-354) (-)



#14

Carbon disulfide

Concen: 4.626 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033399.D

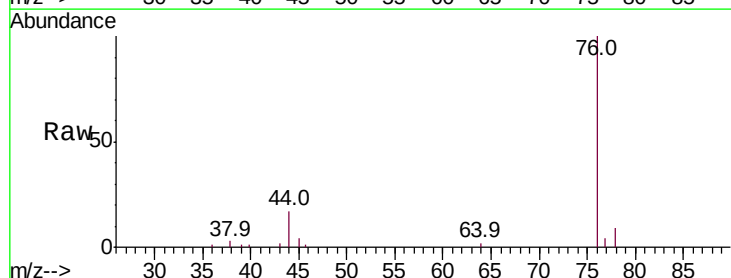
Acq: 25 Jul 2019 10:55

Tgt Ion: 76 Resp: 25578

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU033399.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033399.D (-414) (-)

