

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\  
 Data File : VU032490.D  
 Acq On : 06 Jun 2019 12:35  
 Operator : JC/SP  
 Sample : K3017-08ME  
 Misc : 4.66µ/5mL/100µL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A51E1ME

Quant Time: Jun 07 04:45:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 07 04:06:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 211002   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 201841   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 112941   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 45658    | 33.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 66.70%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 22096    | 20.09    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 40.18%# |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 77853    | 29.05    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 58.10%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 110551   | 96.50    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.50%  |
| 24) Chloroform-d               | 4.64    | 84    | 107123   | 41.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.92%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 73541    | 45.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.44%  |
| 32) Benzene-d6                 | 5.32    | 84    | 227677   | 43.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.90%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 73692    | 44.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.70%  |
| 41) Toluene-d8                 | 7.56    | 98    | 219225   | 44.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.24%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 35286    | 44.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.76%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 82721    | 103.79   | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.79% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 115947   | 48.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 102691   | 47.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.94%  |

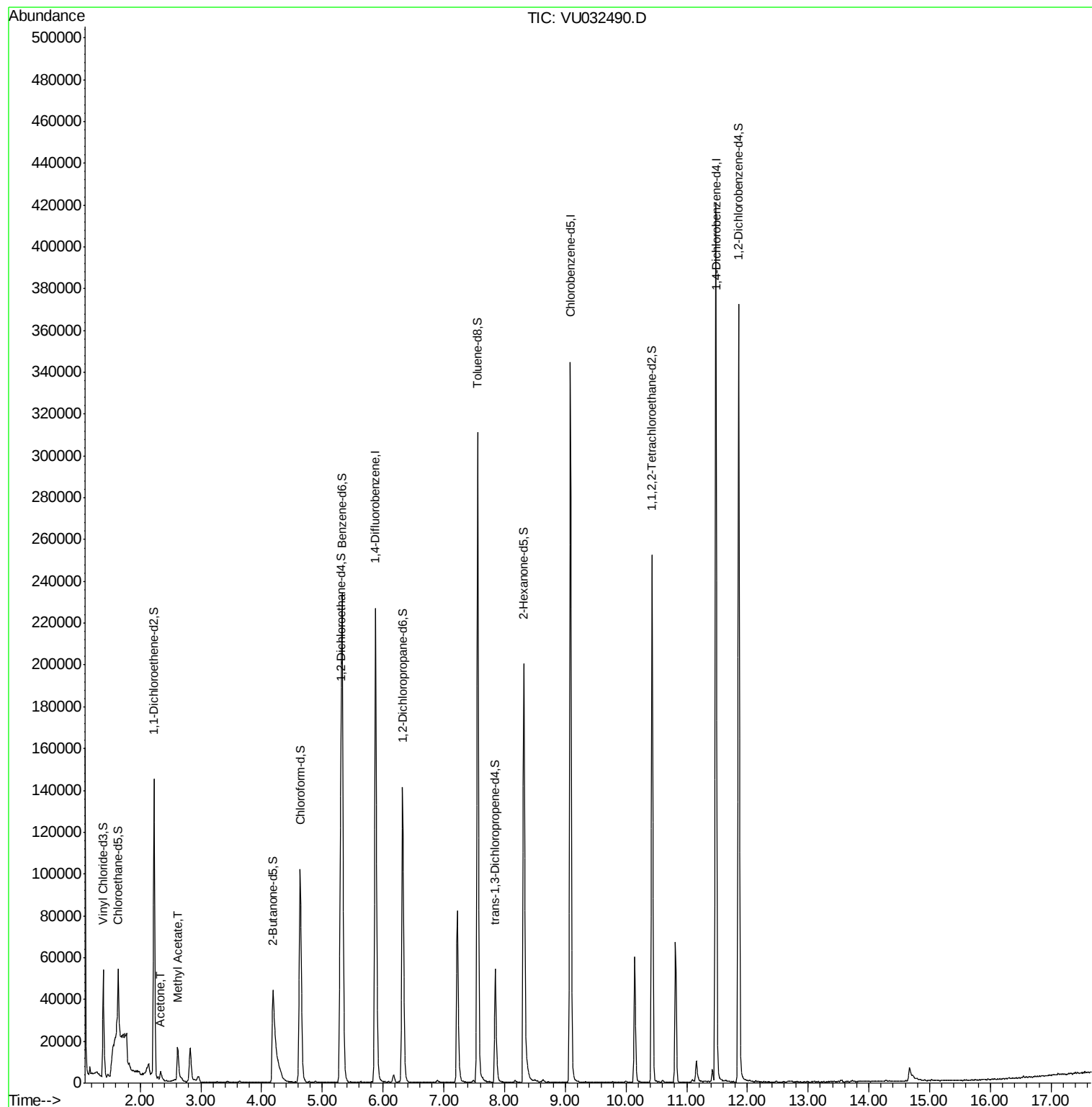
| Target Compounds   |      |    |       |             | Ovalue |
|--------------------|------|----|-------|-------------|--------|
| 13) Acetone        | 2.34 | 43 | 5511  | 4.662 ug/L  | 99     |
| 15) Methyl Acetate | 2.62 | 43 | 21929 | 12.993 ug/L | 98     |

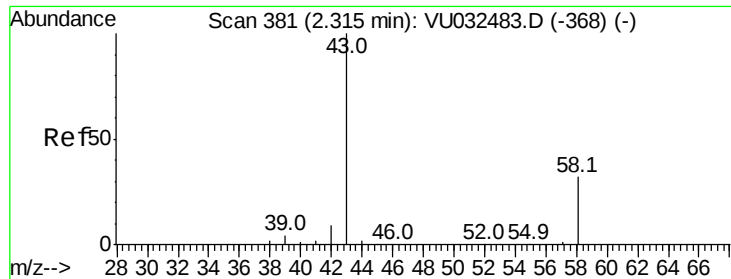
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Jun 07 04:06:44 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 4.662 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.02 min

Lab File: VU032490.D

Acq: 06 Jun 2019 12:35

Instrument :

MSVOA\_U

ClientSampleId :

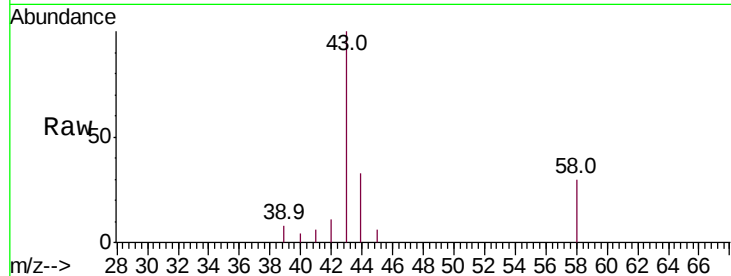
A51E1ME

Tot Ion: 43 Resp: 5511

Ion Ratio Lower Upper

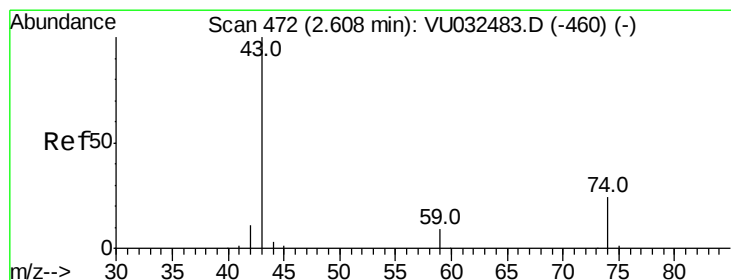
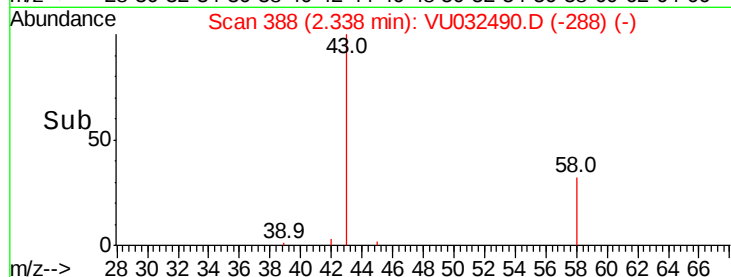
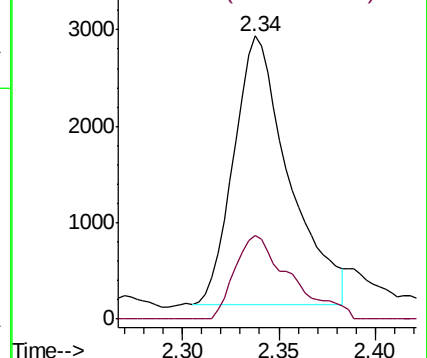
43 100

58 31.7 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032483.D (-368) (-)

Ion 58.00 (57.70 to 58.70): VU032483.D (-368) (-)



#15

Methyl Acetate

Concen: 12.993 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.01 min

Lab File: VU032490.D

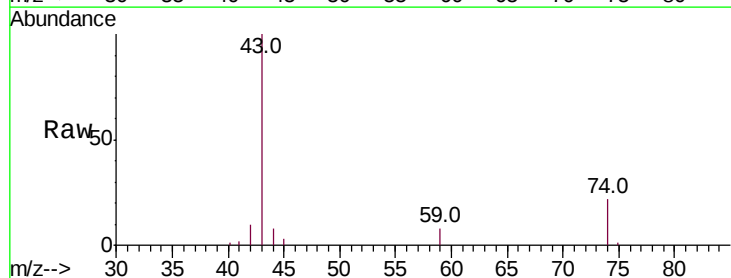
Acq: 06 Jun 2019 12:35

Tgt Ion: 43 Resp: 21929

Ion Ratio Lower Upper

43 100

74 23.6 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU032483.D (-460) (-)

Ion 74.00 (73.70 to 74.70): VU032483.D (-460) (-)

