

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061219\  
 Data File : VU032642.D  
 Acq On : 12 Jun 2019 11:30  
 Operator : JC/SP  
 Sample : VLEB01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VLEB01

Quant Time: Jun 13 05:22:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 13 05:01:06 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 174108   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 166046   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 82093    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 57627    | 51.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 102.02% |
| 7) Chloroethane-d5             | 1.68    | 69    | 45750    | 50.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 100.80% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 85843    | 38.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.62%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 96281    | 101.85   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 101.85% |
| 24) Chloroform-d               | 4.64    | 84    | 103989   | 49.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.72%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 69226    | 52.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.32% |
| 32) Benzene-d6                 | 5.33    | 84    | 212627   | 49.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.66%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 67781    | 50.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.30% |
| 41) Toluene-d8                 | 7.56    | 98    | 199430   | 48.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.58%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 32077    | 49.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 99.18%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 71846    | 109.58   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 109.58% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 95553    | 48.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.58%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 78749    | 50.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.16% |

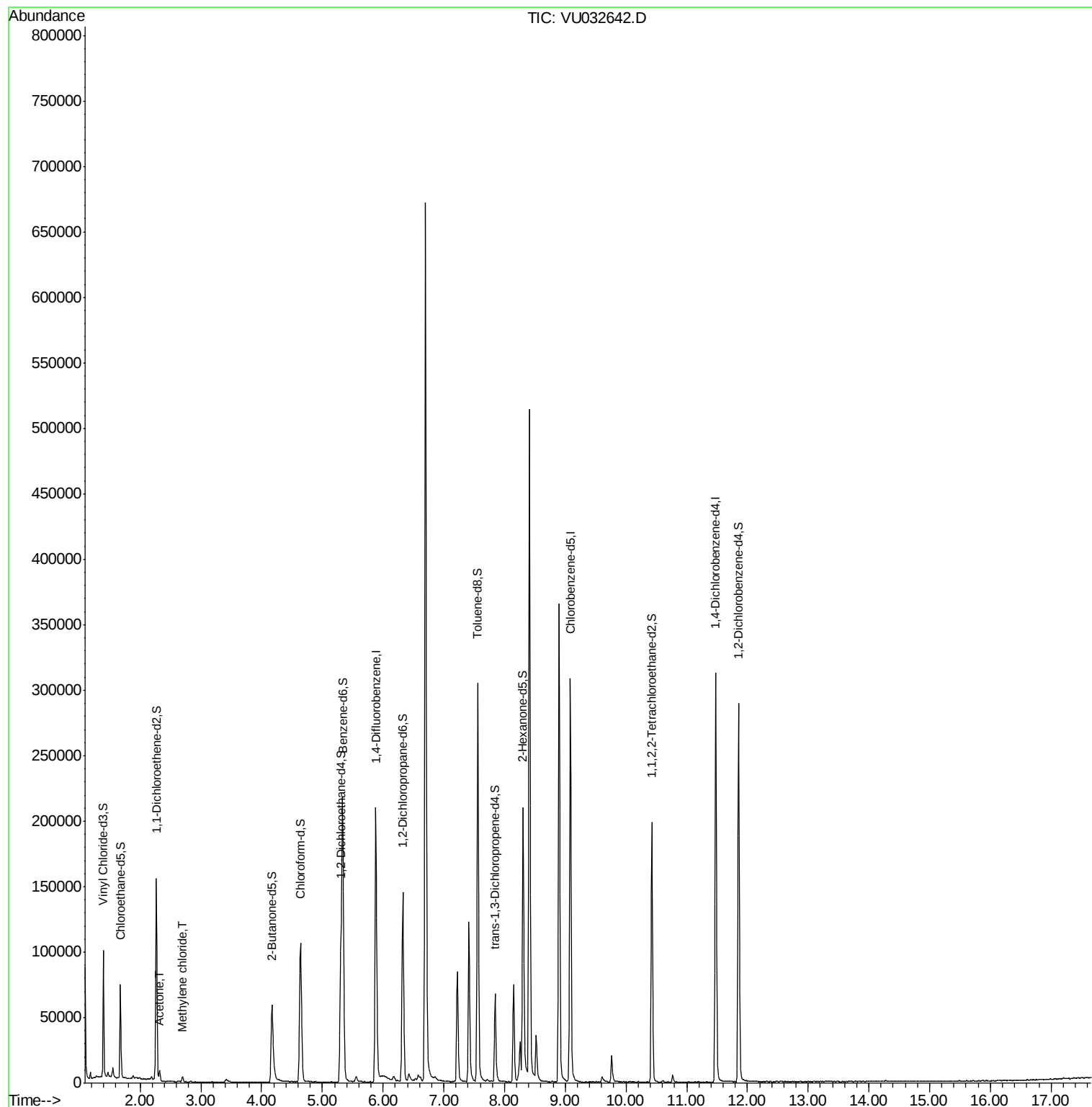
| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 2.32 | 43 | 7598 | 7.790 ug/L | 95     |
| 16) Methylene chloride | 2.69 | 84 | 1855 | 1.574 ug/L | 99     |

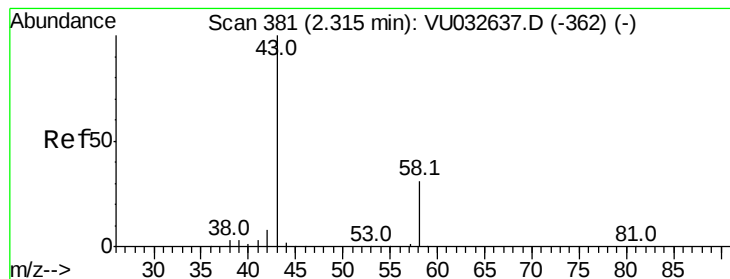
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 7 Sample Multiplier: 1

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VLEB01

Quant Time: Jun 13 05:22:40 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 13 05:01:06 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 7.790 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032642.D

Acq: 12 Jun 2019 11:30

Instrument :

MSVOA\_U

ClientSampleId :

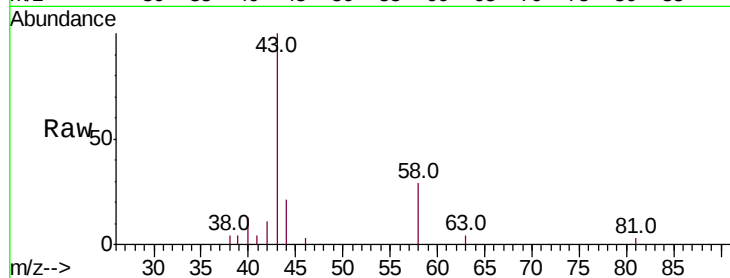
VLEB01

Tot Ion: 43 Resp: 7598

Ion Ratio Lower Upper

43 100

58 29.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032637.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU032637.D (-362) (-)

2.32

4000

3000

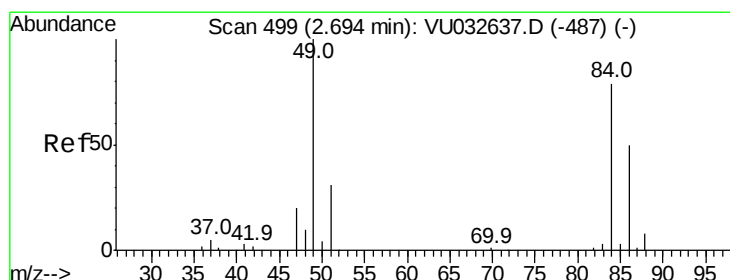
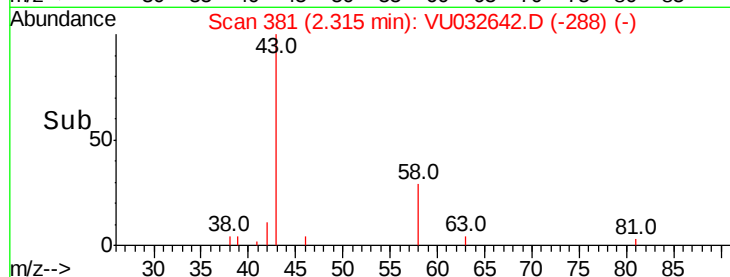
2000

1000

0

2.30 2.35

Time-->



#16

Methylene chloride

Concen: 1.574 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

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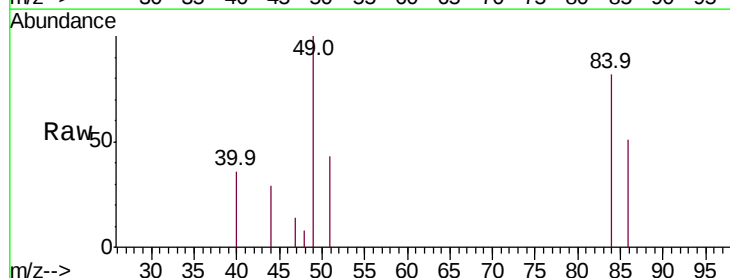
Tgt Ion: 84 Resp: 1855

Ion Ratio Lower Upper

84 100

86 62.6 44.7 82.9

49 121.8 86.1 159.9



Abundance Ion 84.00 (83.70 to 84.70): VU032637.D (-487) (-)

Ion 86.00 (85.70 to 86.70): VU032637.D (-487) (-)

Ion 49.00 (48.70 to 49.70): VU032637.D (-487) (-)

2.69

1500

1000

500

0

2.66 2.68 2.70 2.72 2.74

Time-->

