

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061219\  
 Data File : VU032662.D  
 Acq On : 12 Jun 2019 19:11  
 Operator : JC/SP  
 Sample : K3313-04  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COLY4

Quant Time: Jun 13 06:47:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 13 05:57:37 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 176455   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 166782   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 81874    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 52190    | 45.59    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 91.18% |
| 7) Chloroethane-d5             | 1.68    | 69    | 41571    | 45.19    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.38% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 78170    | 34.87    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.74% |
| 21) 2-Butanone-d5              | 4.17    | 46    | 89570    | 93.49    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.49% |
| 24) Chloroform-d               | 4.64    | 84    | 99637    | 46.67    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.34% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 66391    | 49.36    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.72% |
| 32) Benzene-d6                 | 5.33    | 84    | 201885   | 46.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.26% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 64671    | 47.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.26% |
| 41) Toluene-d8                 | 7.56    | 98    | 183160   | 44.61    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.22% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 30004    | 46.18    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.36% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 57692    | 87.60    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 87.60% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 90419    | 45.96    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 91.92% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 73688    | 46.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.98% |

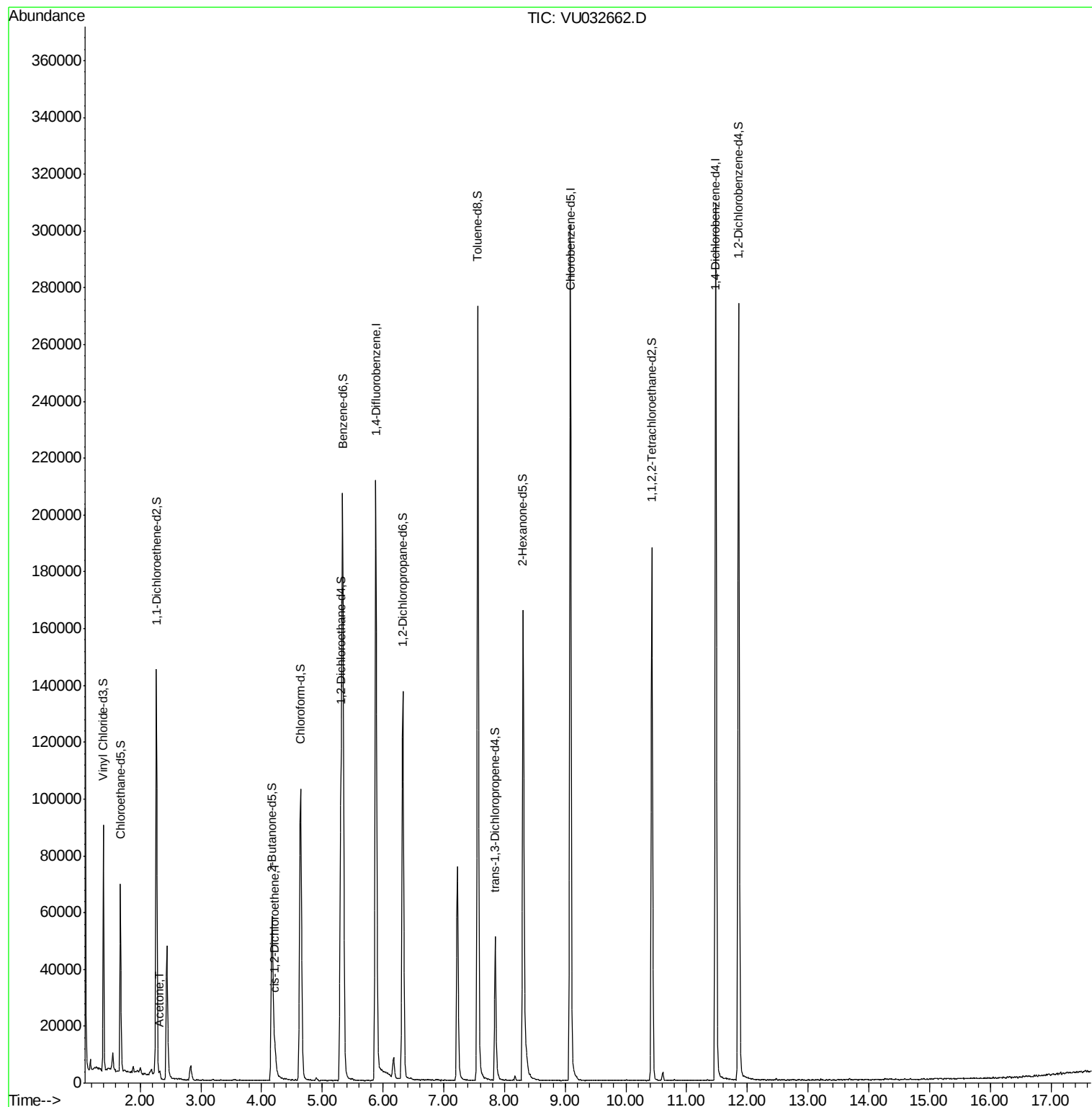
| Target Compounds           |      |    |      | Ovalue        |
|----------------------------|------|----|------|---------------|
| 13) Acetone                | 2.32 | 43 | 1855 | 1.877 ug/L 97 |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 2894 | 2.254 ug/L 95 |

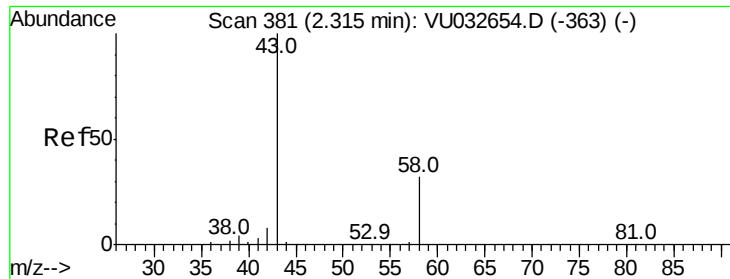
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0LY4

Quant Time: Jun 13 06:47:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 13 05:57:37 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 1.877 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032662.D

Acq: 12 Jun 2019 19:11

Instrument :

MSVOA\_U

ClientSampled :

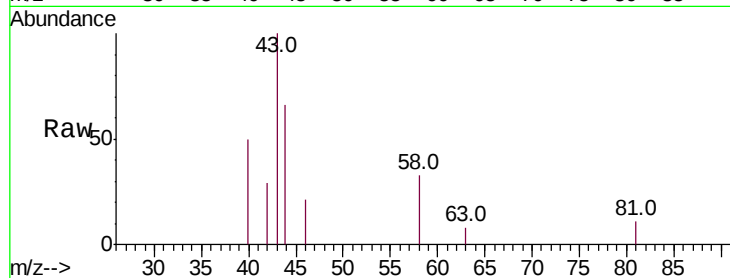
C0LY4

Tot Ion: 43 Resp: 1855

Ion Ratio Lower Upper

43 100

58 33.7 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032662.D (-880) (-)

Ion 58.00 (57.70 to 58.70): VU032662.D (-880) (-)

2.32

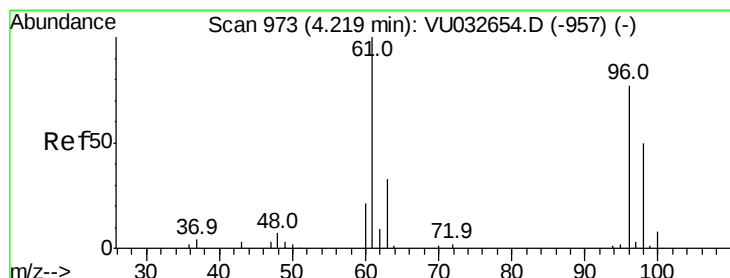
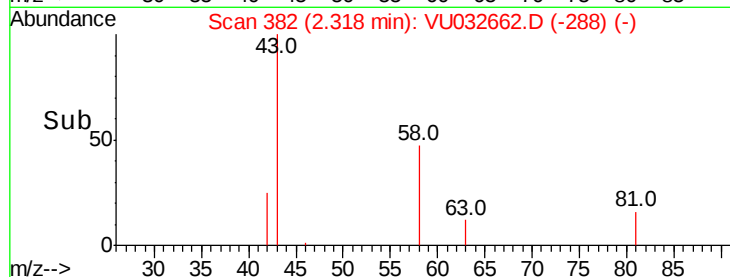
1500

1000

500

0

Time--> 2.25 2.30 2.35



#20

cis-1,2-Dichloroethene

Concen: 2.254 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032662.D

Acq: 12 Jun 2019 19:11

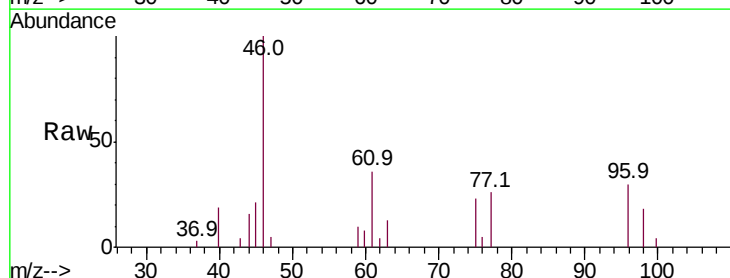
Tgt Ion: 96 Resp: 2894

Ion Ratio Lower Upper

96 100

61 119.0 87.2 162.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032662.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU032662.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU032662.D (-880) (-)

4.22

1500

1000

500

0

Time--> 4.15 4.20 4.25

