

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062519\  
 Data File : VU033047.D  
 Acq On : 25 Jun 2019 12:06  
 Operator : JC/SP  
 Sample : K3478-23  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETF49

Quant Time: Jun 26 07:55:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 26 07:06:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 190018   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 188628   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 85448    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 60672    | 46.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.44%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 53171    | 51.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 102.68% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 96796    | 37.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.00%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 125759   | 116.35   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 116.35% |
| 24) Chloroform-d               | 4.64    | 84    | 132323   | 52.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.82% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 93025    | 55.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.64% |
| 32) Benzene-d6                 | 5.33    | 84    | 252801   | 51.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.82% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 83937    | 53.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 107.18% |
| 41) Toluene-d8                 | 7.56    | 98    | 228196   | 49.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.12%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 38430    | 47.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.32%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 73119    | 99.97    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 99.97%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42   | 84    | 121305   | 50.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.18% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 87964    | 53.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.40% |

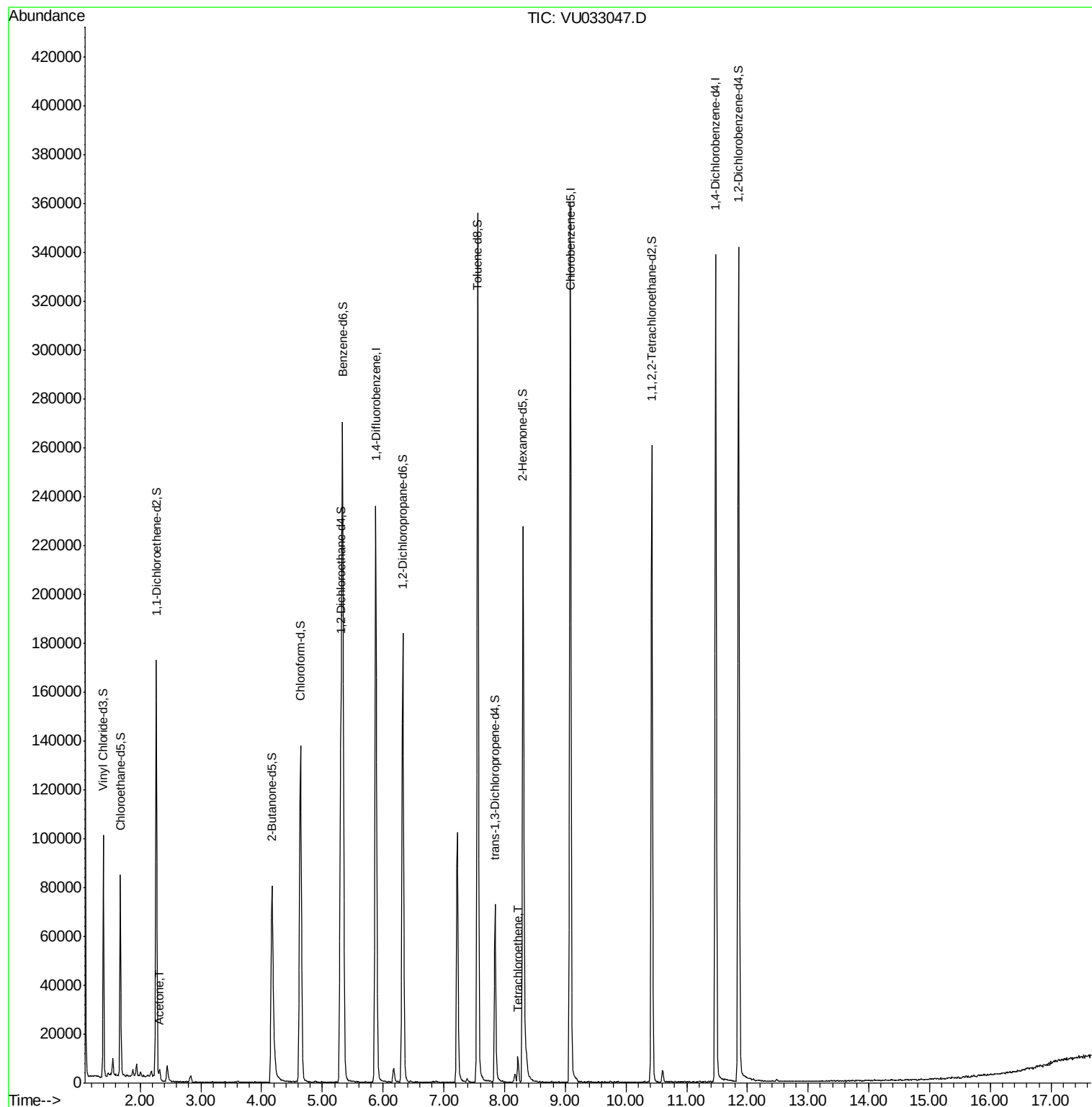
| Target Compounds      |      |     |      |            | Ovalue |
|-----------------------|------|-----|------|------------|--------|
| 13) Acetone           | 2.32 | 43  | 3831 | 2.566 ug/L | 91     |
| 46) Tetrachloroethene | 8.22 | 164 | 2124 | 1.785 ug/L | 91     |

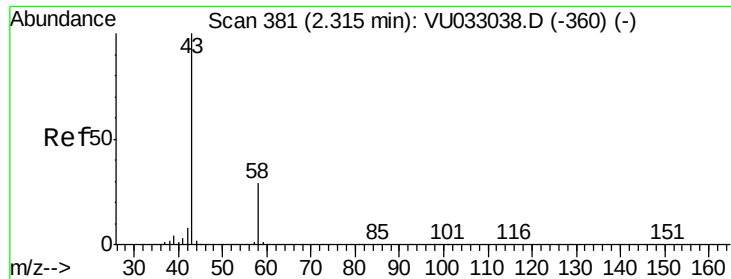
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Jun 26 07:06:36 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 2.566 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033047.D

Acq: 25 Jun 2019 12:06

Instrument :

MSVOA\_U

ClientSampleId :

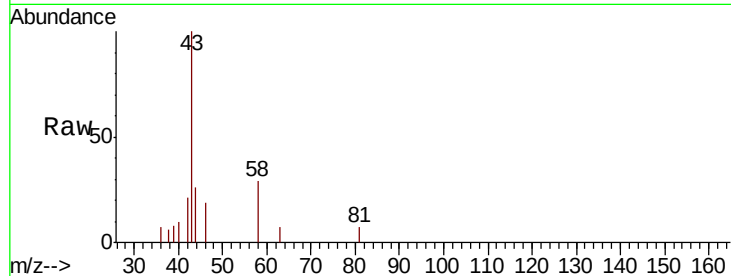
ETF49

Tot Ion: 43 Resp: 3831

Ion Ratio Lower Upper

43 100

58 25.4 0.0 60.6



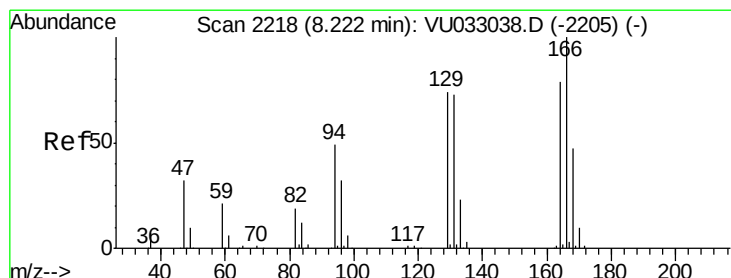
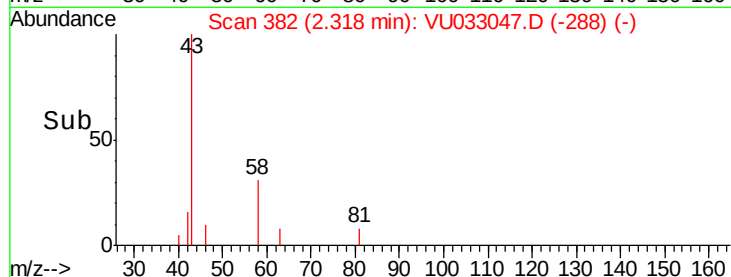
Abundance Ion 43.00 (42.70 to 43.70): VU033038.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU033038.D (-360) (-)

2.32

2.30 2.35

Time-->



#46

Tetrachloroethene

Concen: 1.785 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VU033047.D

Acq: 25 Jun 2019 12:06

Tgt Ion:164 Resp: 2124

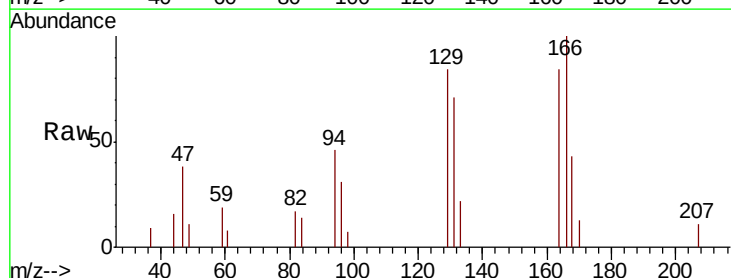
Ion Ratio Lower Upper

164 100

129 99.1 64.8 120.3

131 83.7 64.5 119.7

166 118.4 91.3 169.6



Abundance Ion 164.00 (163.70 to 164.70): VU033038.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU033038.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU033038.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU033038.D (-2205) (-)

8.22

8.20 8.25

Time-->

