

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\  
 Data File : VU031160.D  
 Acq On : 13 Apr 2019 16:41  
 Operator : JC/SP  
 Sample : K2341-11  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB729

Quant Time: Apr 15 11:41:59 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 13 22:25:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 473706   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 460819   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 176364   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 202889   | 47.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 95.96%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 163093   | 50.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 101.64% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 283484   | 37.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.12%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 320810   | 95.72    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.72%  |
| 24) Chloroform-d               | 4.64    | 84    | 339731   | 52.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.18% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 224344   | 50.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.80% |
| 32) Benzene-d6                 | 5.33    | 84    | 679365   | 50.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.00% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 227349   | 49.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.62%  |
| 41) Toluene-d8                 | 7.56    | 98    | 562484   | 47.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.34%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 95527    | 45.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.88%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 187452   | 88.96    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 88.96%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 307575   | 49.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.92%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 188351   | 54.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.60% |

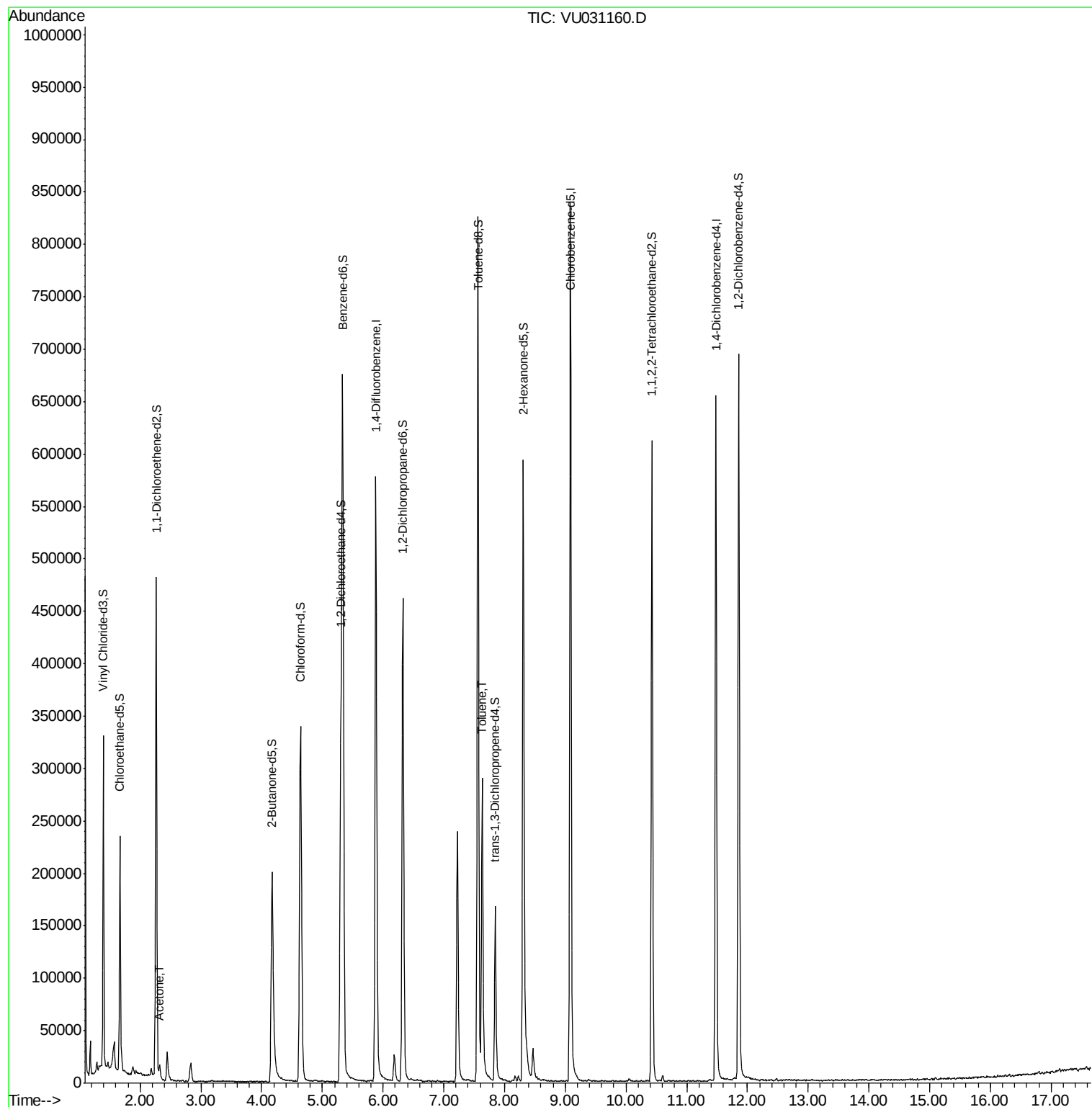
| Target Compounds |      |    |        |             | Ovalue |
|------------------|------|----|--------|-------------|--------|
| 13) Acetone      | 2.32 | 43 | 10594  | 3.089 ug/L  | 98     |
| 42) Toluene      | 7.63 | 91 | 216632 | 14.073 ug/L | 98     |

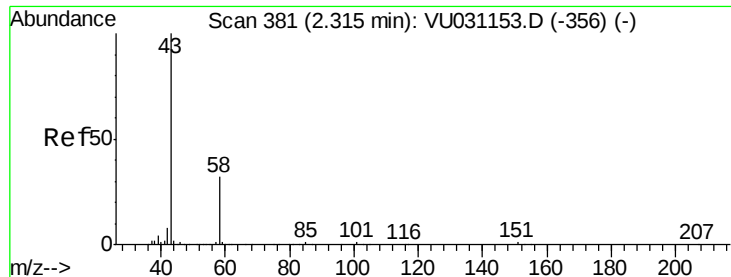
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 13 22:25:59 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 3.089 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031160.D

Acq: 13 Apr 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

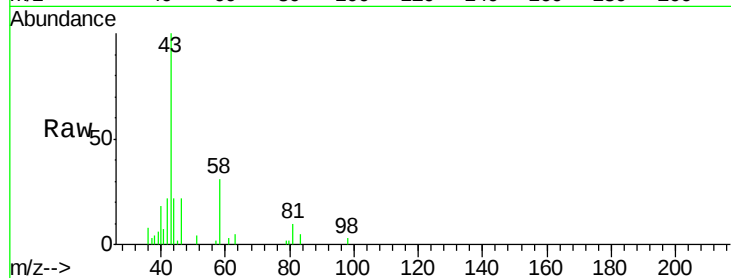
DB729

Tot Ion: 43 Resp: 10594

Ion Ratio Lower Upper

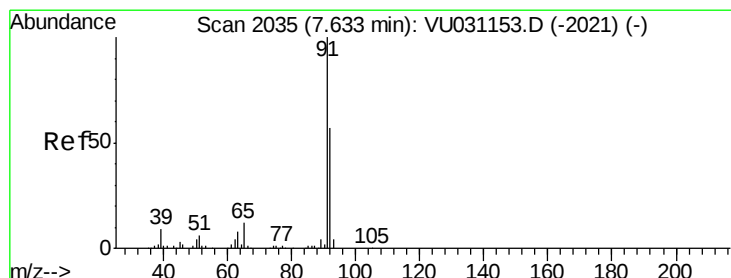
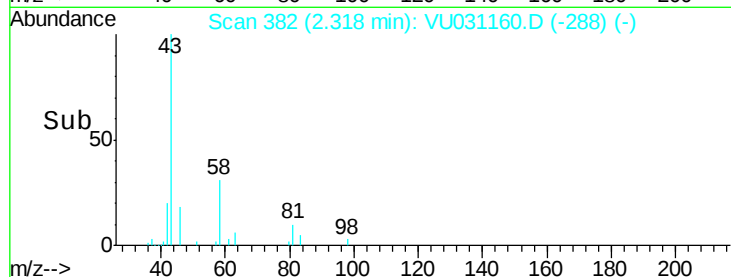
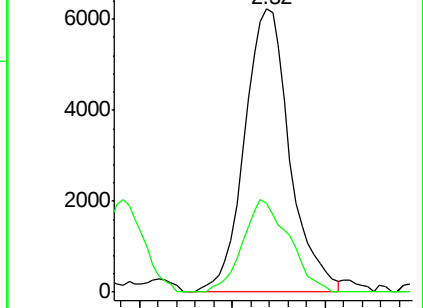
43 100

58 33.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031153.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU031153.D (-356) (-)



#42

Toluene

Concen: 14.073 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU031160.D

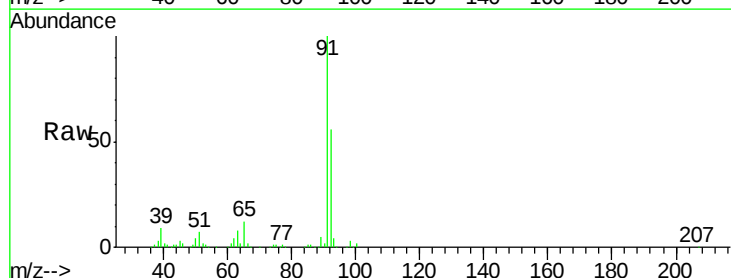
Acq: 13 Apr 2019 16:41

Tgt Ion: 91 Resp: 216632

Ion Ratio Lower Upper

91 100

92 56.0 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031153.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU031153.D (-2021) (-)

