

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110719\  
 Data File : VU035662.D  
 Acq On : 07 Nov 2019 16:17  
 Operator : JC/SP  
 Sample : K5716-08  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

Quant Time: Nov 08 06:16:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM103119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 08 06:13:27 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.30  | 114  | 699414   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 661491   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 184965   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62    | 65    | 255707   | 45.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.54%  |
| 7) Chloroethane-d5             | 1.94    | 69    | 217140   | 48.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.26%  |
| 11) 1,1-Dichloroethene-d2      | 2.60    | 63    | 306116   | 34.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.68%  |
| 21) 2-Butanone-d5              | 4.69    | 46    | 333270   | 101.00   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 101.00% |
| 24) Chloroform-d               | 5.12    | 84    | 412507   | 47.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.56%  |
| 26) 1,2-Dichloroethane-d4      | 5.75    | 65    | 257935   | 48.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.52%  |
| 32) Benzene-d6                 | 5.77    | 84    | 880626   | 51.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.14% |
| 36) 1,2-Dichloropropane-d6     | 6.74    | 67    | 285608   | 51.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.16% |
| 41) Toluene-d8                 | 7.93    | 98    | 791525   | 48.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.34%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 127246   | 49.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 98.80%  |
| 47) 2-Hexanone-d5              | 8.68    | 63    | 213817   | 99.77    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 99.77%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79   | 84    | 379492   | 47.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.44%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22   | 152   | 197583   | 52.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.92% |

## Target Compounds

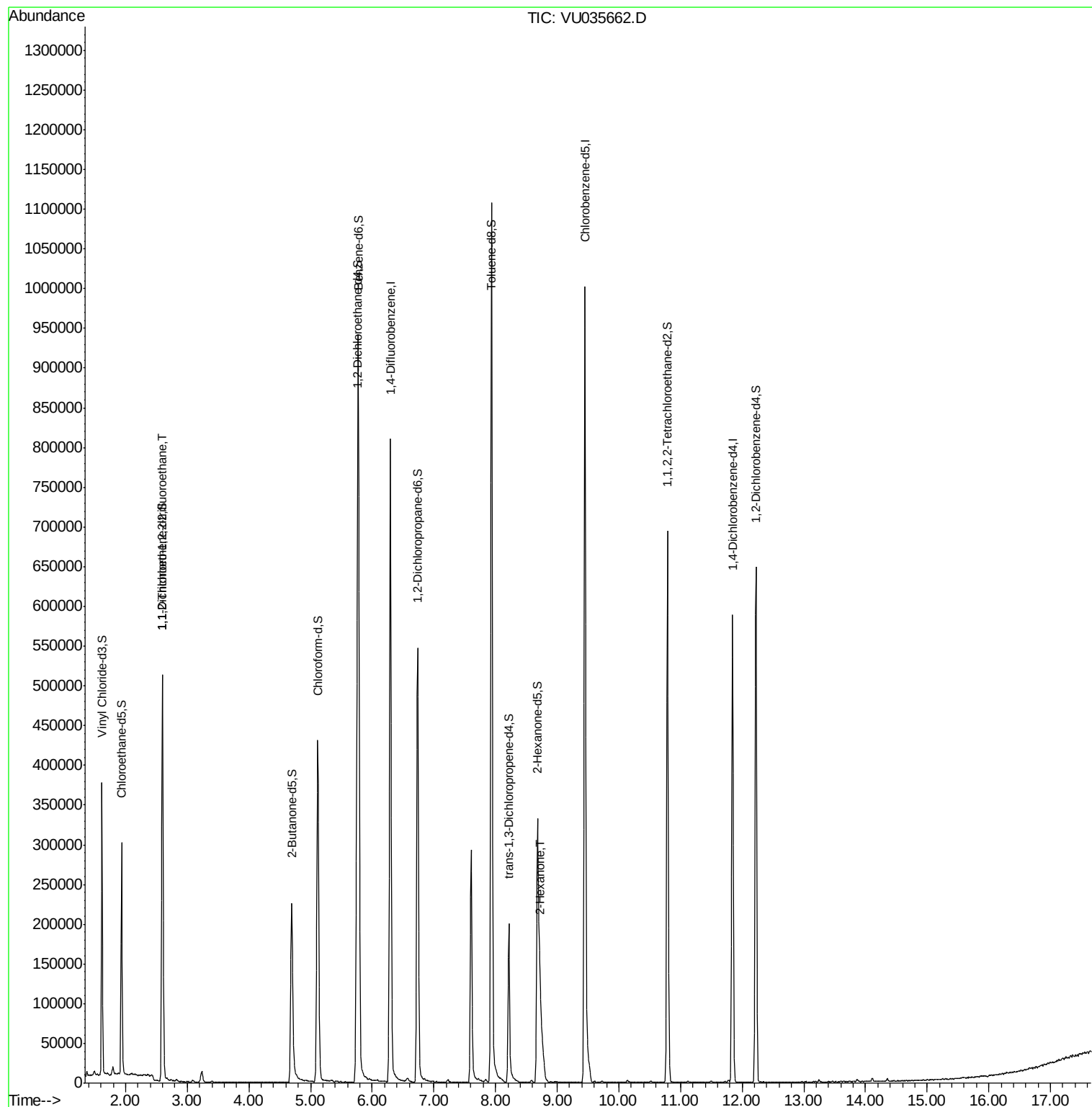
|                                |      |     |       |              | Ovalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 3245  | 0.746 ug/L # | 23     |
| 48) 2-Hexanone                 | 8.73 | 43  | 22785 | 4.207 ug/L # | 67     |

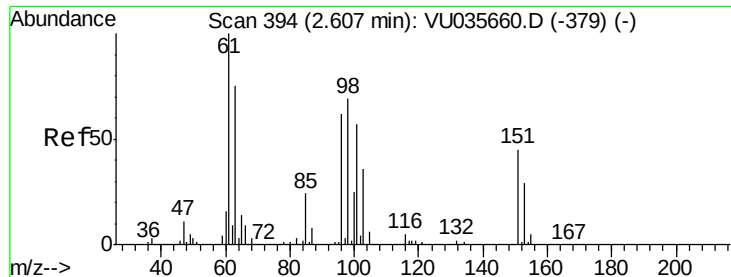
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 08 06:13:27 2019  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.746 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU035662.D

Acq: 07 Nov 2019 16:17

Instrument :

MSVOA\_U

ClientSampleId :

VHBLK01

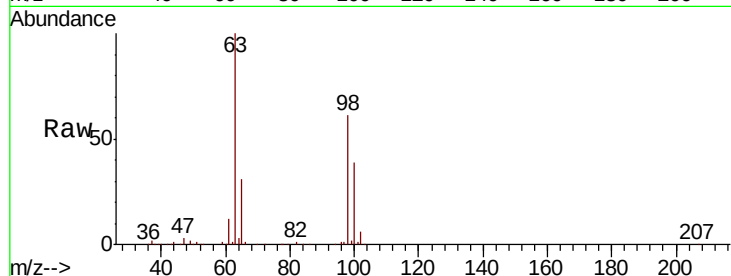
Tot Ion:101 Resp: 3245

Ion Ratio Lower Upper

101 100

85 3.9 34.0 51.0#

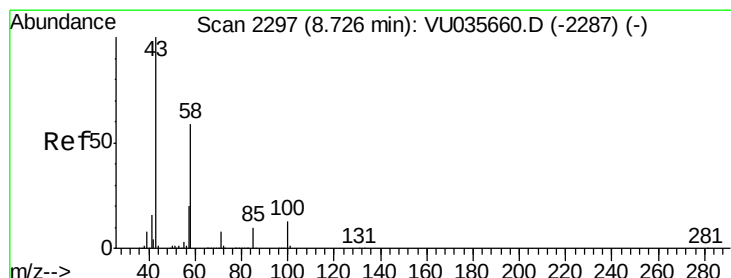
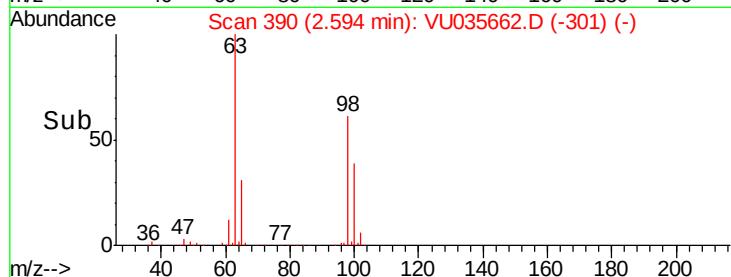
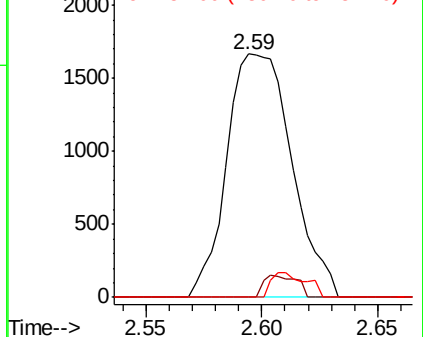
151 4.1 64.2 96.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#48

2-Hexanone

Concen: 4.207 ug/L

RT: 8.73 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU035662.D

Acq: 07 Nov 2019 16:17

Tgt Ion: 43 Resp: 22785

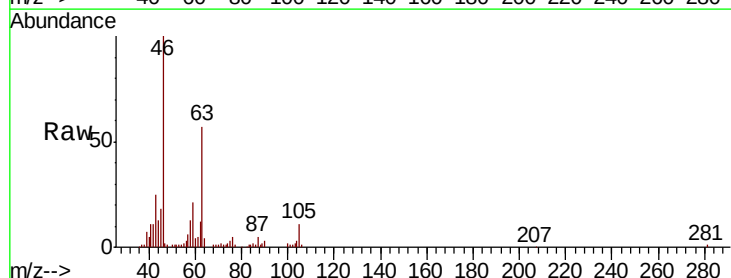
Ion Ratio Lower Upper

43 100

58 26.7 50.4 75.6#

57 20.3 17.4 26.0

100 6.1 10.5 15.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

