

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120419\  
 Data File : VU035980.D  
 Acq On : 04 Dec 2019 19:02  
 Operator : JC/SP  
 Sample : K6132-05 50X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFQR1

Quant Time: Dec 05 05:57:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR120319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Dec 05 03:54:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 276082   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 301033   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 90642    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 140641   | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 89.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 115240   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 153190   | 3.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.80%  |
| 20) 2-Butanone-d5              | 4.69   | 46    | 259102   | 46.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 92.98%  |
| 24) Chloroform-d               | 5.11   | 84    | 206884   | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 111257   | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.20%  |
| 32) Benzene-d6                 | 5.77   | 84    | 401330   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 129834   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.00%  |
| 41) Toluene-d8                 | 7.93   | 98    | 326786   | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.60%  |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 46383    | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 79.60%  |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 192082   | 41.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 83.78%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 110563   | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 99734    | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.60% |

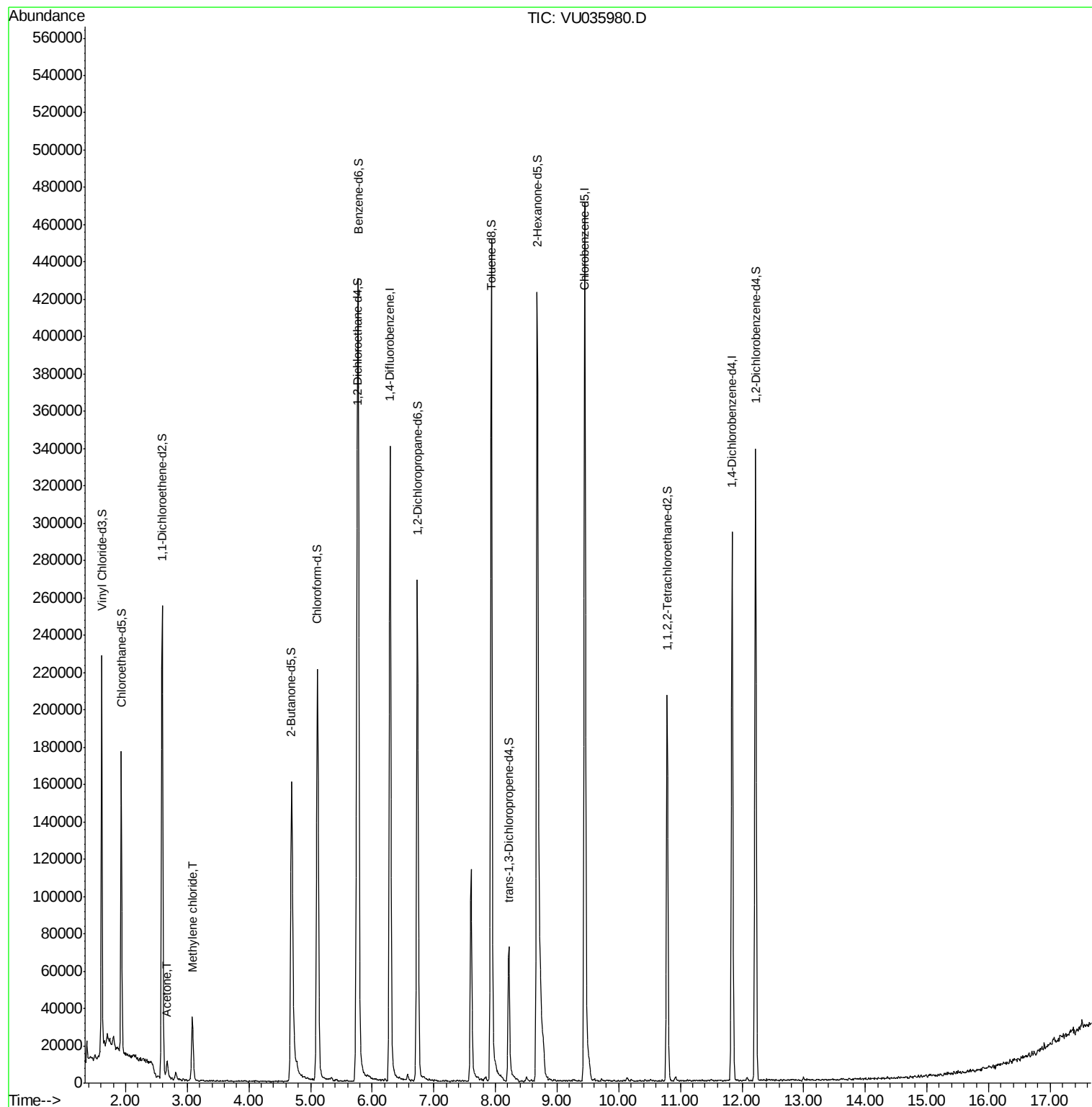
| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.67 | 43 | 10574 | 2.099 ug/L | 99     |
| 16) Methylene chloride | 3.09 | 84 | 17715 | 0.578 ug/L | 93     |

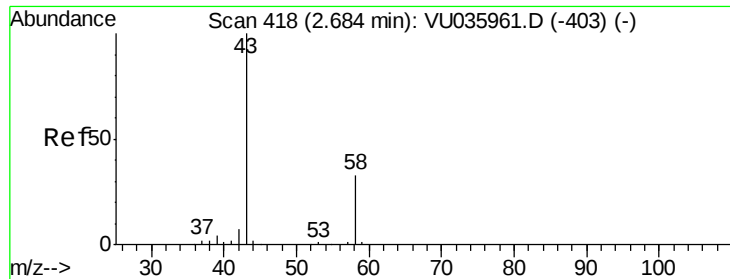
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.099 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035980.D

Acq: 04 Dec 2019 19:02

Instrument :

MSVOA\_U

ClientSampleId :

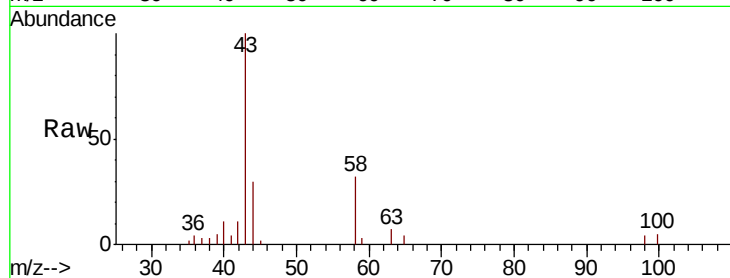
BFQR1

Tot Ion: 43 Resp: 10574

Ion Ratio Lower Upper

43 100

58 33.9 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU035980.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU035980.D (-325) (-)

2.67

6000

5000

4000

3000

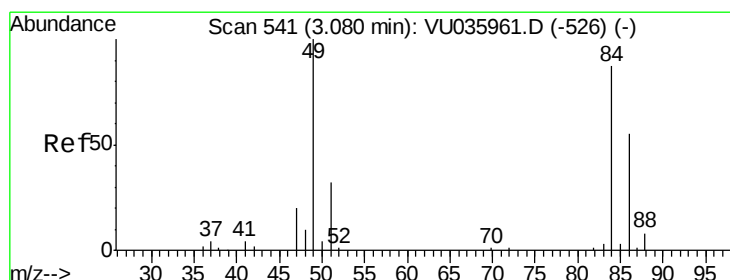
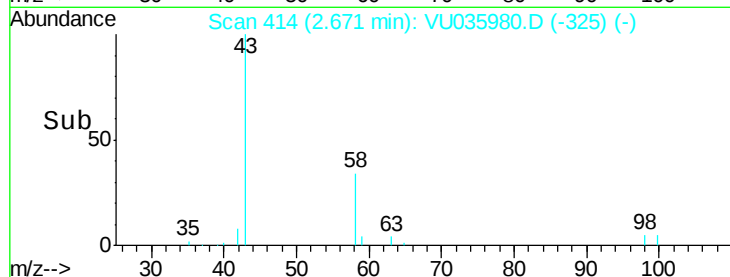
2000

1000

0

Time-->

2.60 2.65 2.70 2.75



#16

Methylene chloride

Concen: 0.578 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.01 min

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Acq: 04 Dec 2019 19:02

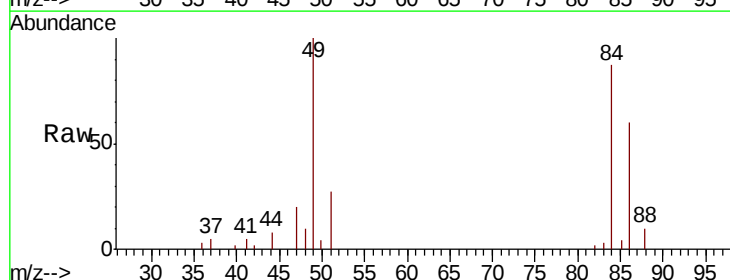
Tgt Ion: 84 Resp: 17715

Ion Ratio Lower Upper

84 100

86 69.2 44.7 82.9

49 115.3 86.2 160.2



Abundance Ion 84.05 (83.75 to 84.75): VU035980.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU035980.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU035980.D (-448) (-)

3.09

10000

5000

0

Time-->

3.00 3.05 3.10 3.15

