

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090618\  
 Data File : VU026579.D  
 Acq On : 06 Sep 2018 14:47  
 Operator : MD/SY  
 Sample : J4718-18  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEGD4

Quant Time: Sep 07 05:12:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 07 04:44:56 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 171274   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 159187   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 65599    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 65854    | 62.06    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 124.12%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 56544    | 59.00    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 118.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 91811    | 38.42    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.84%   |
| 21) 2-Butanone-d5              | 4.18    | 46    | 101176   | 122.84   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 122.84%  |
| 24) Chloroform-d               | 4.65    | 84    | 110160   | 54.96    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 109.92%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 74346    | 55.72    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 111.44%  |
| 32) Benzene-d6                 | 5.34    | 84    | 223011   | 60.78    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 121.56%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 77212    | 61.26    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 122.52%# |
| 41) Toluene-d8                 | 7.57    | 98    | 198144   | 55.94    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 111.88%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 32663    | 56.75    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 113.50%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 71884    | 124.35   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 124.35%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 102469   | 55.18    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 110.36%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 75046    | 63.05    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 126.10%# |

## Target Compounds

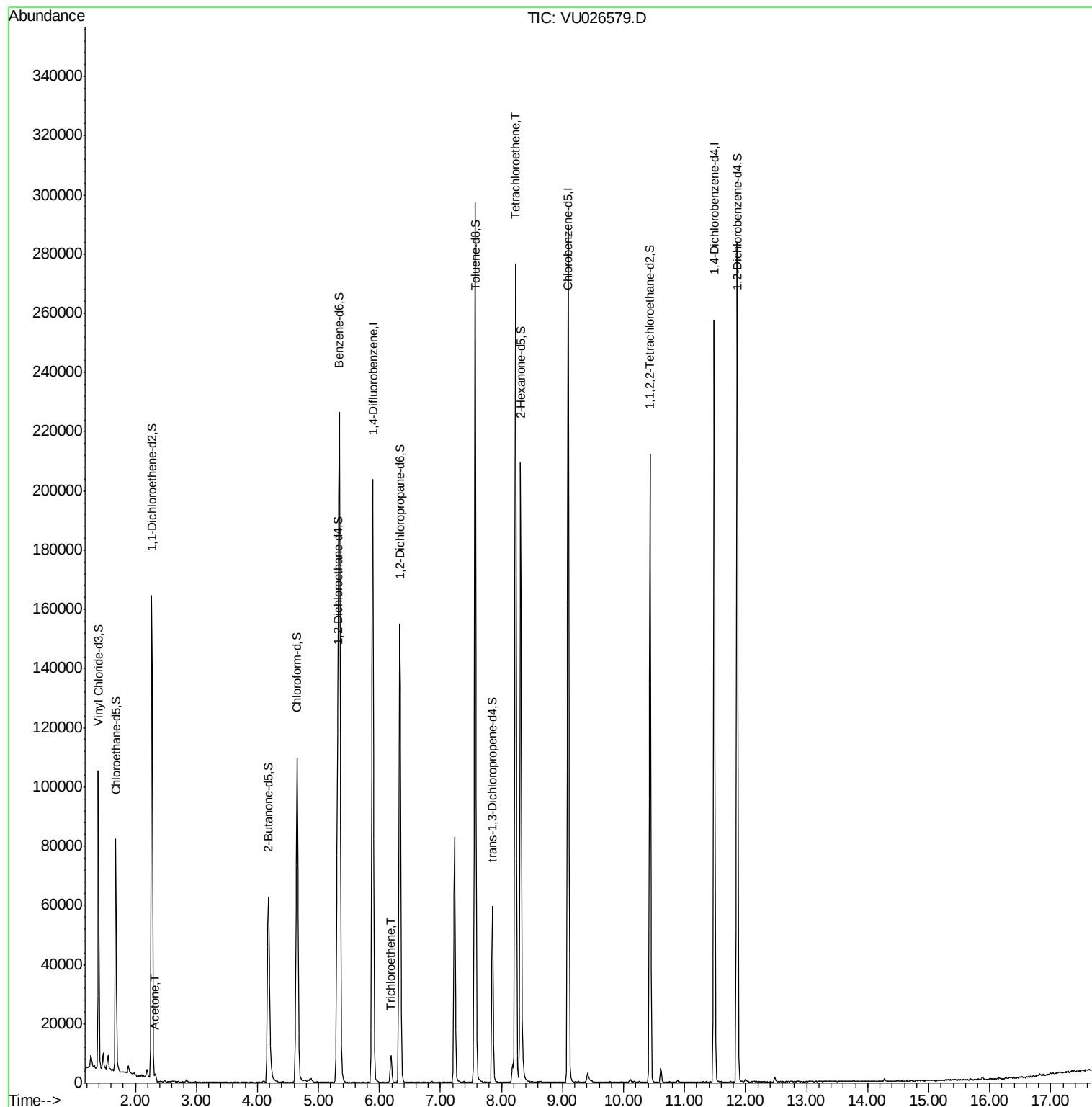
|                       |      |     |       |            | Ovalue |
|-----------------------|------|-----|-------|------------|--------|
| 13) Acetone           | 2.32 | 43  | 1946  | 2.73 ug/L  | 98     |
| 34) Trichloroethene   | 6.19 | 95  | 3518  | 3.07 ug/L  | 99     |
| 46) Tetrachloroethene | 8.23 | 164 | 62635 | 66.93 ug/L | 99     |

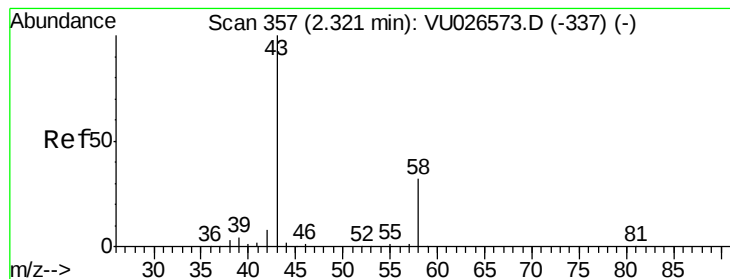
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Sep 07 04:44:56 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 2.73 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

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Acq: 06 Sep 2018 14:47

Instrument :

MSVOA\_U

ClientSampleId :

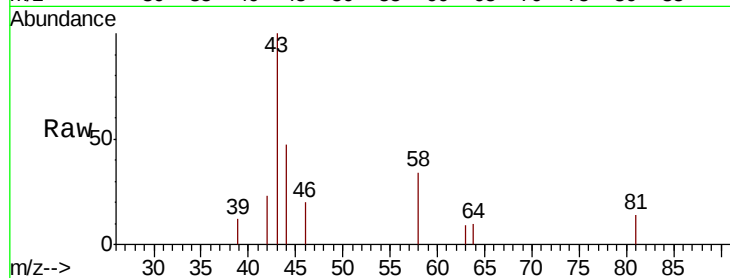
BEGD4

Tot Ion: 43 Resp: 1946

Ion Ratio Lower Upper

43 100

58 29.6 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU026573.D (-337) (-)

Ion 58.00 (57.70 to 58.70): VU026573.D (-337) (-)

2.32

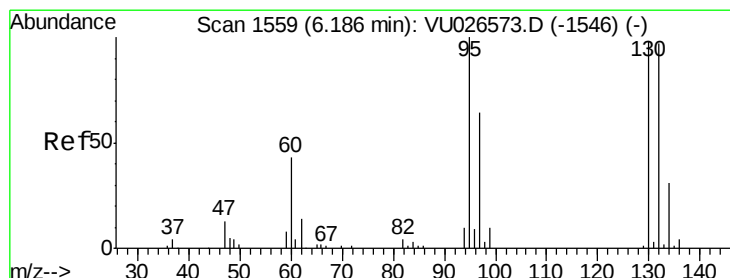
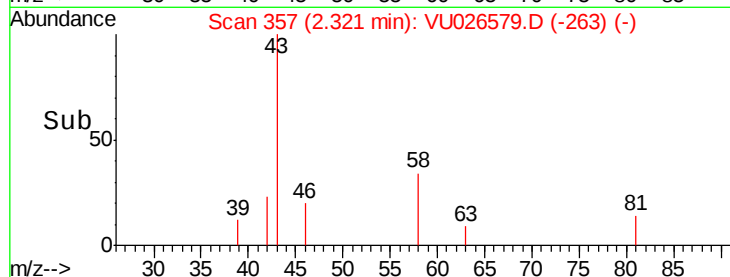
1000

500

0

Time-->

2.30 2.35



#34

Trichloroethene

Concen: 3.07 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026579.D

Acq: 06 Sep 2018 14:47

Tgt Ion: 95 Resp: 3518

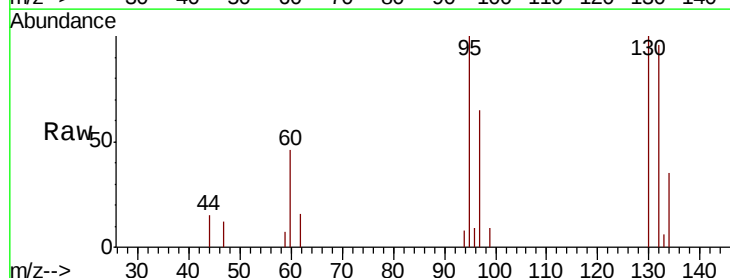
Ion Ratio Lower Upper

95 100

97 65.3 45.1 83.7

132 96.1 67.5 125.3

130 100.0 69.3 128.7



Abundance Ion 95.00 (94.70 to 95.70): VU026573.D (-1546) (-)

Ion 97.00 (96.70 to 97.70): VU026573.D (-1546) (-)

Ion 132.00 (131.70 to 132.70): VU026573.D (-1546) (-)

Ion 130.00 (129.70 to 130.70): VU026573.D (-1546) (-)

2500

2000

1500

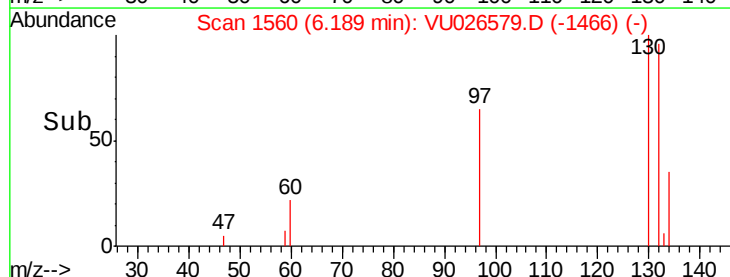
1000

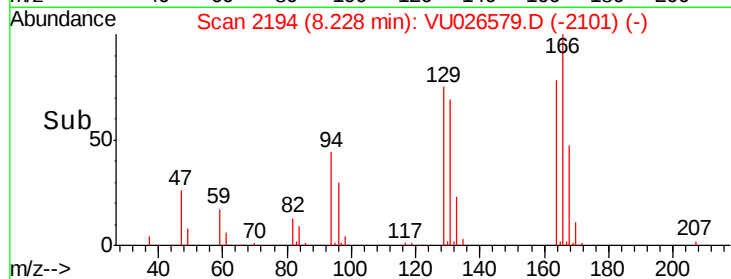
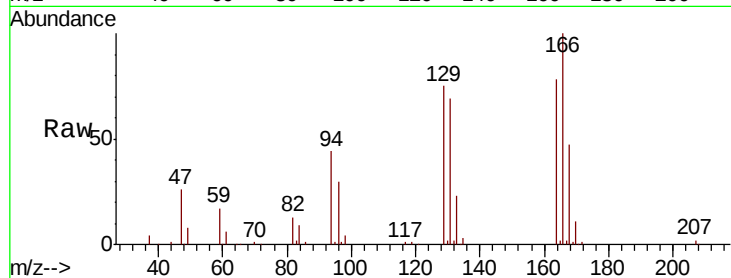
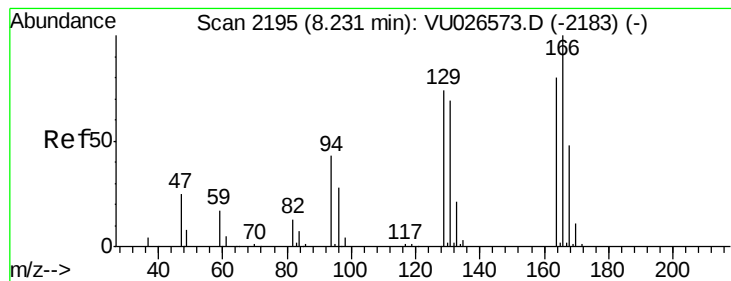
500

0

Time-->

6.15 6.20 6.25





#46

Tetrachloroethene

Concen: 66.93 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

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Tot Ion:164 Resp: 62635

Ion Ratio Lower Upper

164 100

129 96.2 67.3 125.1

131 89.6 65.3 121.3

166 129.0 90.9 168.7

Abundance Ion 164.00 (163.70 to 164.70): V  
Ion 129.00 (128.70 to 129.70): V  
Ion 131.00 (130.70 to 131.70): V  
Ion 166.00 (165.70 to 166.70): V

