

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\  
 Data File : VU026188.D  
 Acq On : 17 Aug 2018 19:00  
 Operator : MD/SY  
 Sample : J4515-13  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0338

Quant Time: Aug 18 01:35:33 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Aug 18 01:29:07 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 119440   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 118467   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 53374    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 32198    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 102.00% |
| 7) Chloroethane-d5             | 1.68   | 69    | 28161    | 5.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 109.80% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 49077    | 3.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 74.20%  |
| 20) 2-Butanone-d5              | 4.20   | 46    | 99332    | 55.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 110.30% |
| 24) Chloroform-d               | 4.65   | 84    | 73752    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.60% |
| 26) 1,2-Dichloroethane-d4      | 5.32   | 65    | 41186    | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.60% |
| 32) Benzene-d6                 | 5.35   | 84    | 143982   | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.80% |
| 36) 1,2-Dichloropropane-d6     | 6.34   | 67    | 48301    | 5.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 110.40% |
| 41) Toluene-d8                 | 7.57   | 98    | 120905   | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.00%  |
| 43) trans-1,3-Dichloropropene- | 7.86   | 79    | 15688    | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.60%  |
| 46) 2-Hexanone-d5              | 8.32   | 63    | 77992    | 52.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.70% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44  | 84    | 37498    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.87  | 152   | 48187    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.20% |

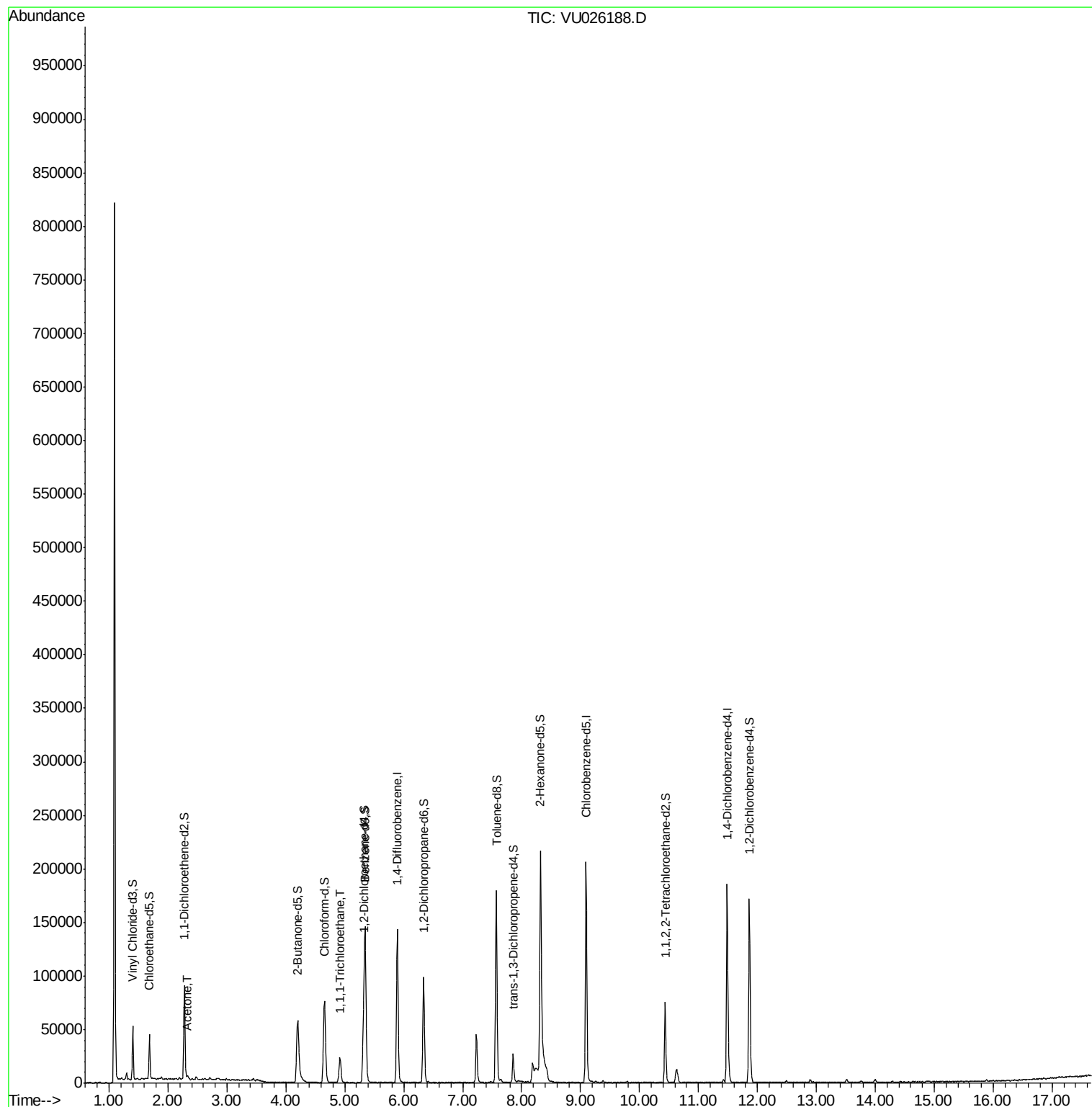
| Target Compounds          |      |    |       |           | Ovalue |
|---------------------------|------|----|-------|-----------|--------|
| 13) Acetone               | 2.32 | 43 | 2832  | 2.37 ug/L | 92     |
| 29) 1,1,1-Trichloroethane | 4.91 | 97 | 19073 | 1.24 ug/L | 97     |

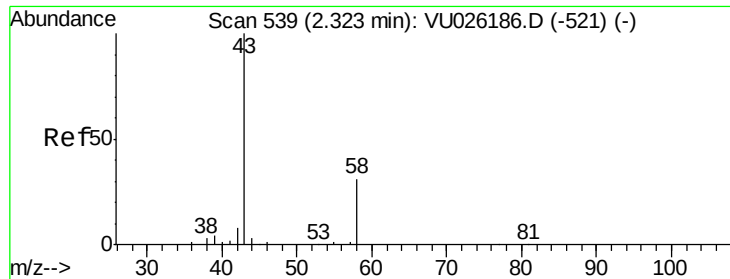
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\  
Data File : VU026188.D  
Acq On : 17 Aug 2018 19:00  
Operator : MD/SY  
Sample : J4515-13  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0338

Quant Time: Aug 18 01:35:33 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Aug 18 01:29:07 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 2.37 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026188.D

Acq: 17 Aug 2018 19:00

Instrument :

MSVOA\_U

ClientSampleId :

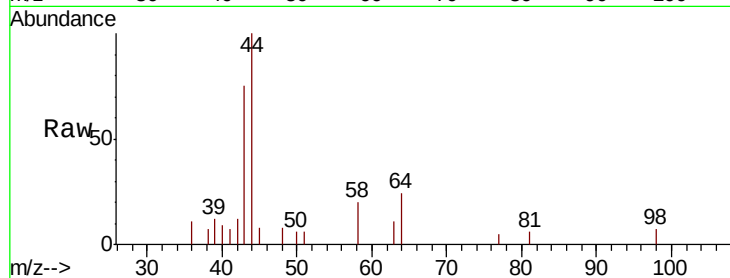
C0338

Tot Ion: 43 Resp: 2832

Ion Ratio Lower Upper

43 100

58 25.4 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.32

1500

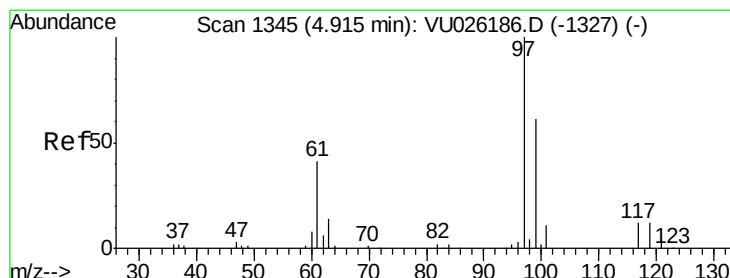
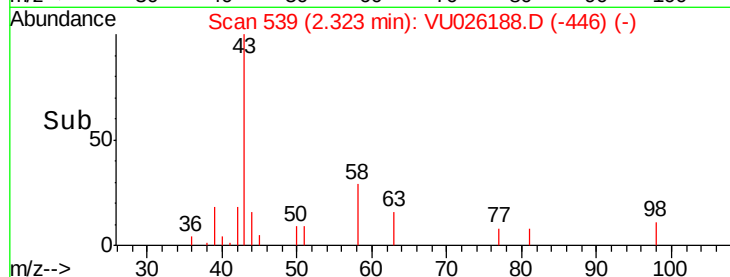
1000

500

0

Time-->

2.30 2.35 2.40



#29

1,1,1-Trichloroethane

Concen: 1.24 ug/L

RT: 4.91 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VU026188.D

Acq: 17 Aug 2018 19:00

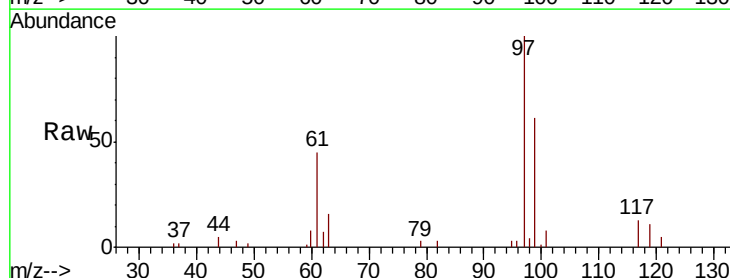
Tgt Ion: 97 Resp: 19073

Ion Ratio Lower Upper

97 100

99 62.4 52.3 78.5

61 42.5 35.0 52.6



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0

4.91

10000

8000

6000

4000

2000

0

Time-->

4.85 4.90 4.95 5.00

