

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\  
 Data File : VU025387.D  
 Acq On : 13 Jul 2018 12:26  
 Operator : MD/SY  
 Sample : J3937-04  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEMG2

Quant Time: Jul 13 14:44:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM062918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 13 14:43:42 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 292688   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 260447   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 114968   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 80707    | 46.13    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 92.26% |
| 7) Chloroethane-d5             | 1.68    | 69    | 66352    | 45.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.96% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 130268   | 34.13    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.26% |
| 21) 2-Butanone-d5              | 4.18    | 46    | 141493   | 96.75    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.75% |
| 24) Chloroform-d               | 4.65    | 84    | 172310   | 45.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.96% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 125254   | 47.14    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.28% |
| 32) Benzene-d6                 | 5.35    | 84    | 341130   | 47.74    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.48% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 109757   | 48.22    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.44% |
| 41) Toluene-d8                 | 7.57    | 98    | 328468   | 46.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.96% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 48801    | 42.76    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.52% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 102303   | 98.48    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.48% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 145808   | 45.21    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.42% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 123878   | 49.45    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.90% |

## Target Compounds

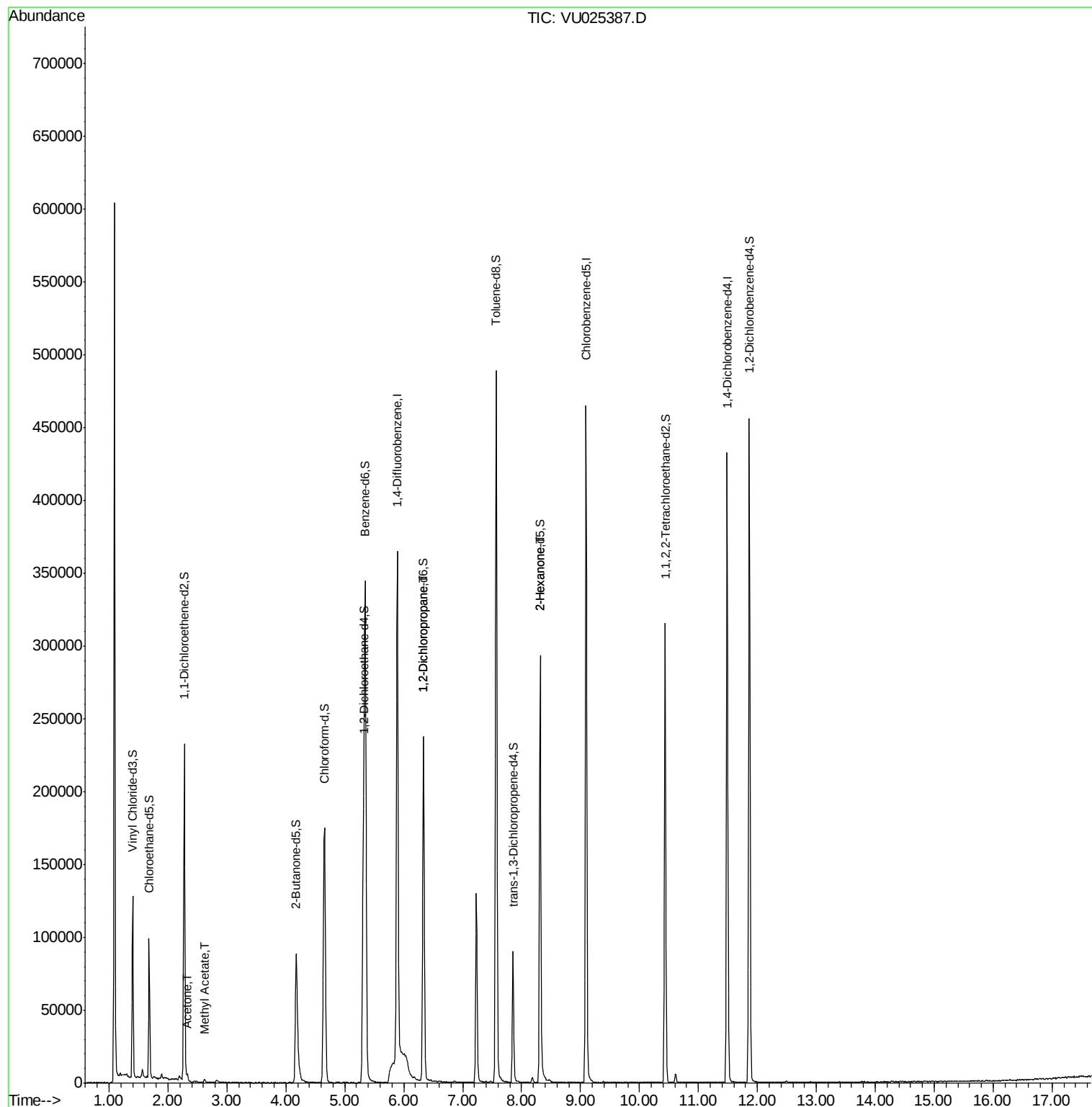
|                         |      |    |       |              | Ovalue |
|-------------------------|------|----|-------|--------------|--------|
| 13) Acetone             | 2.32 | 43 | 4678  | 3.112 ug/L   | 85     |
| 15) Methyl Acetate      | 2.62 | 43 | 2864  | 1.245 ug/L # | 65     |
| 37) 1,2-Dichloropropane | 6.34 | 63 | 12944 | 6.137 ug/L # | 88     |
| 48) 2-Hexanone          | 8.31 | 43 | 13404 | 5.544 ug/L # | 68     |

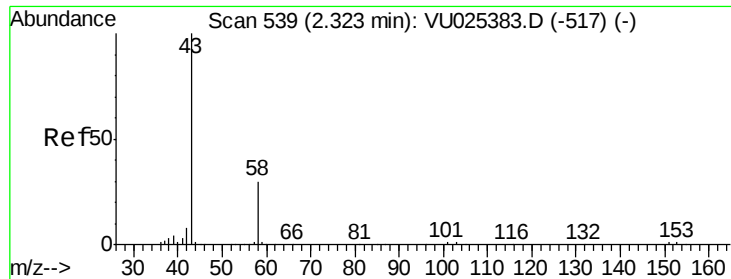
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 3.112 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025387.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA\_U

ClientSampleId :

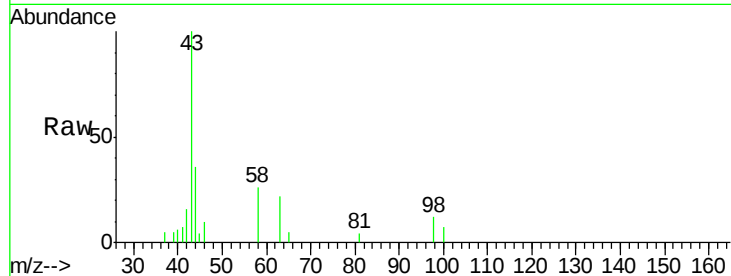
BEMG2

Tot Ion: 43 Resp: 4678

Ion Ratio Lower Upper

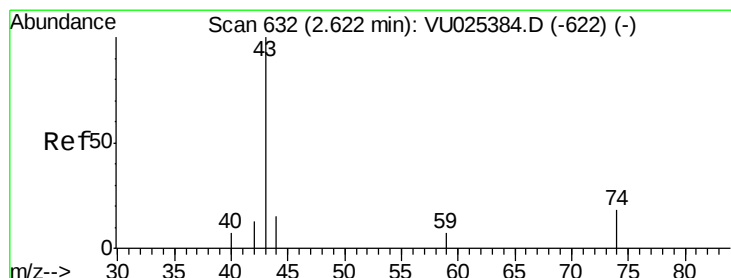
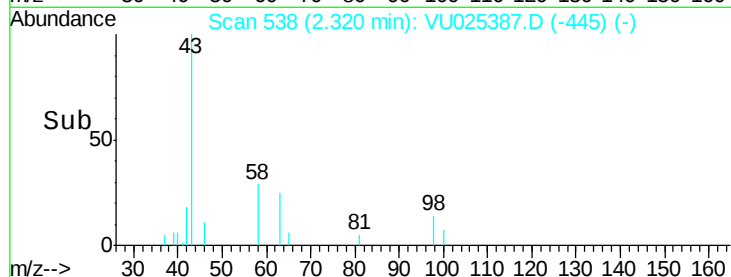
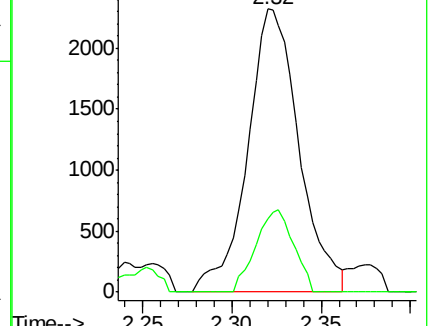
43 100

58 21.4 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#15

Methyl Acetate

Concen: 1.245 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025387.D

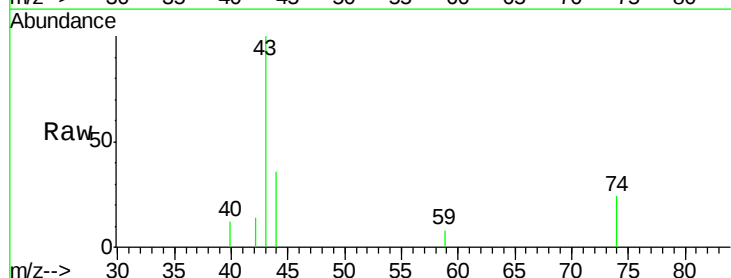
Acq: 13 Jul 2018 12:26

Tgt Ion: 43 Resp: 2864

Ion Ratio Lower Upper

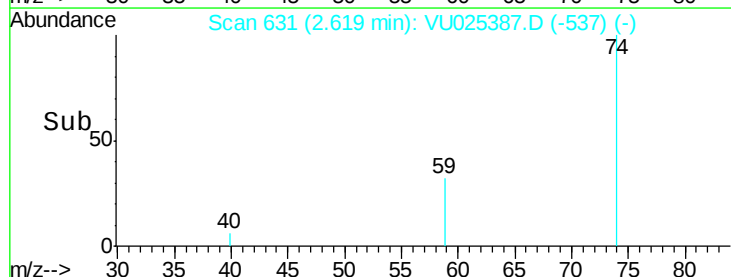
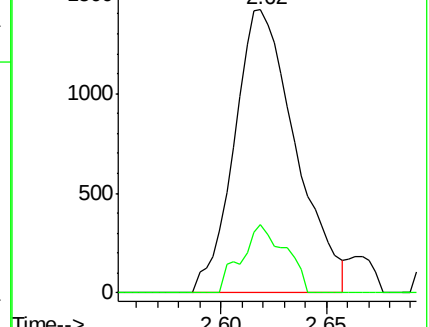
43 100

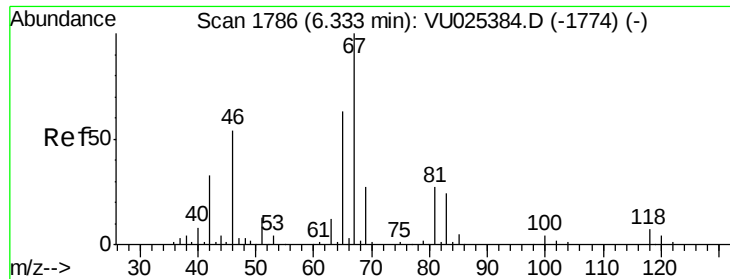
74 6.4 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

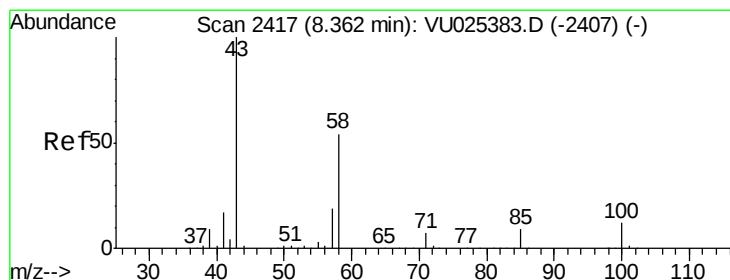
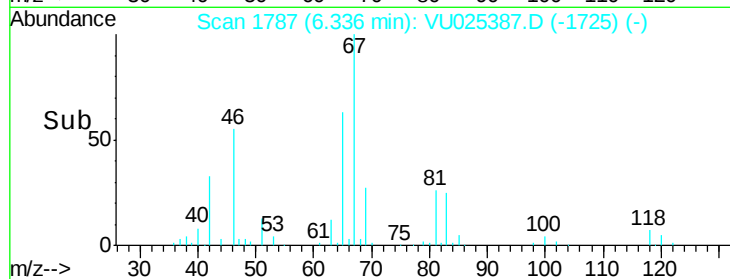
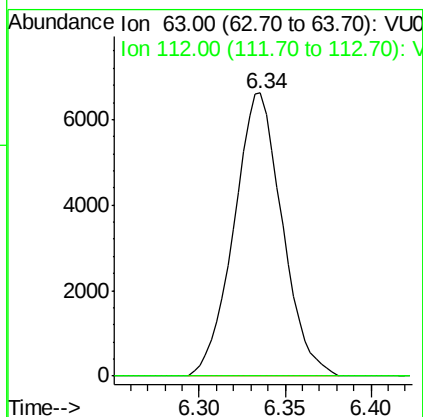
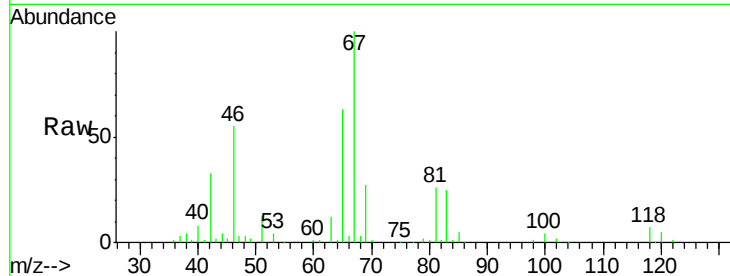




#37  
 1,2-Dichloropropane  
 Concen: 6.137 ug/L  
 RT: 6.34 min Scan# 1787  
 Delta R.T. -0.10 min  
 Lab File: VU025387.D  
 Acq: 13 Jul 2018 12:26

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEMG2

Tot Ion: 63 Resp: 12944  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.2 4.8#



#48  
 2-Hexanone  
 Concen: 5.544 ug/L  
 RT: 8.31 min Scan# 2402  
 Delta R.T. -0.05 min  
 Lab File: VU025387.D  
 Acq: 13 Jul 2018 12:26

Tgt Ion: 43 Resp: 13404  
 Ion Ratio Lower Upper  
 43 100  
 58 22.3 43.2 64.8#  
 57 20.1 15.8 23.8  
 100 0.0 9.4 14.0#

