

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU112018\  
 Data File : VU028290.D  
 Acq On : 20 Nov 2018 20:09  
 Operator : MD/SY  
 Sample : J5997-16  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E3YB2

Quant Time: Nov 21 07:35:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Nov 21 07:07:52 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 117012   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 109127   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 44170    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 34552    | 3.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 78.40%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 36806    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 96.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 53129    | 3.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.60%  |
| 20) 2-Butanone-d5              | 4.19   | 46    | 175715   | 59.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 119.26% |
| 24) Chloroform-d               | 4.65   | 84    | 81297    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 48837    | 5.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 107.60% |
| 32) Benzene-d6                 | 5.34   | 84    | 150043   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 60260    | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.60% |
| 41) Toluene-d8                 | 7.57   | 98    | 117187   | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.40%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 15752    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.40%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 118119   | 54.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 108.10% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 47719    | 5.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 115.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 42230    | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.80% |

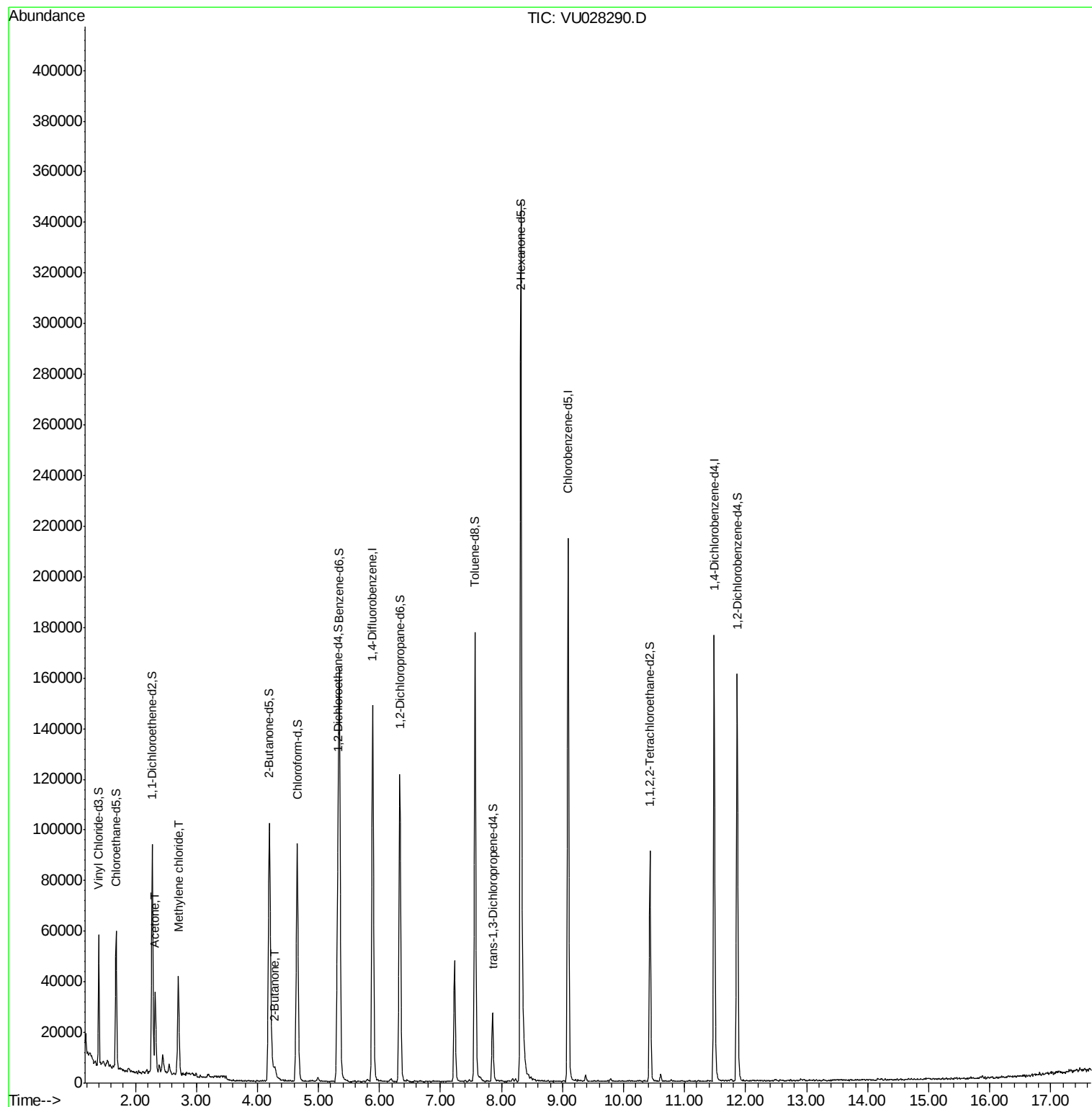
| Target Compounds       |      |    |       |       |      | Qvalue |
|------------------------|------|----|-------|-------|------|--------|
| 13) Acetone            | 2.32 | 43 | 33496 | 16.53 | ug/L | 98     |
| 16) Methylene chloride | 2.70 | 84 | 15247 | 1.68  | ug/L | 98     |
| 21) 2-Butanone         | 4.29 | 43 | 6466  | 2.00  | ug/L | 92     |

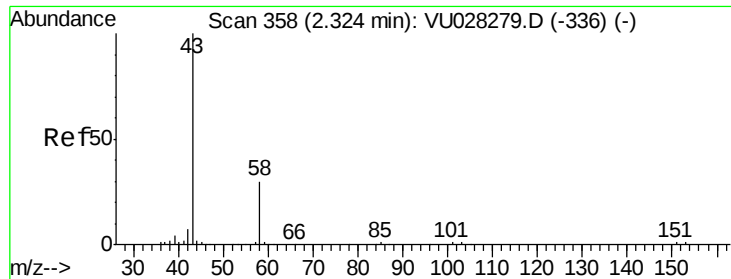
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 16.53 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

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Acq: 20 Nov 2018 20:09

Instrument :

MSVOA\_U

ClientSampleId :

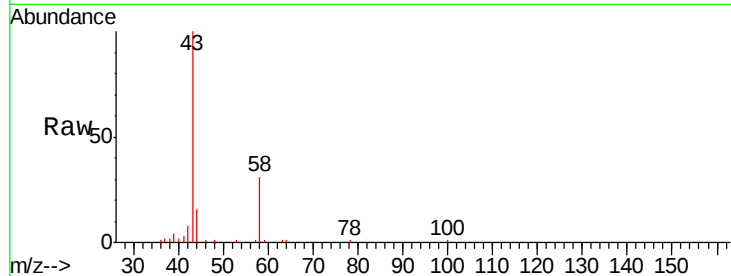
E3YB2

Tgt Ion: 43 Resp: 33496

Ion Ratio Lower Upper

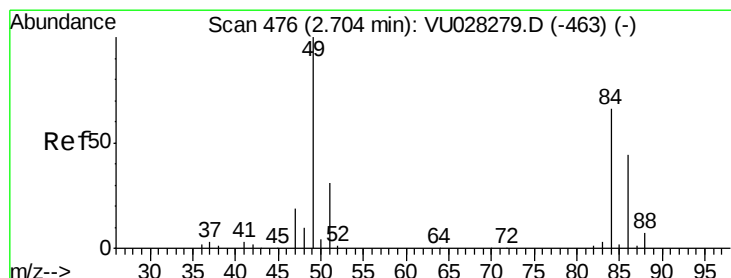
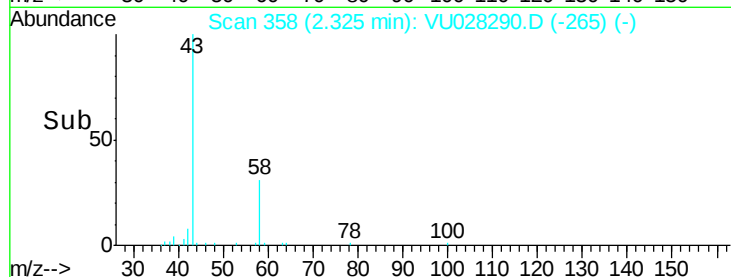
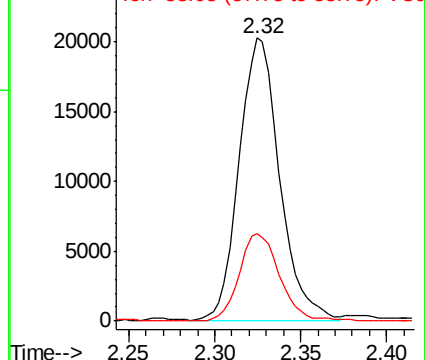
43 100

58 30.6 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 1.68 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

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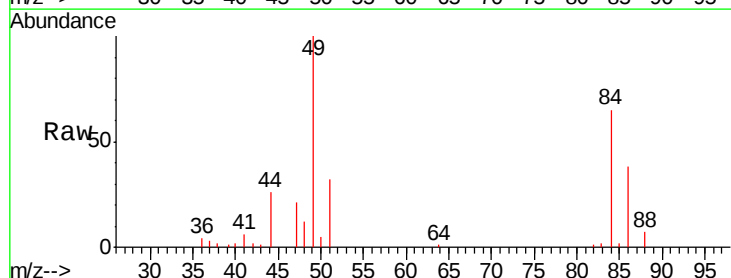
Tgt Ion: 84 Resp: 15247

Ion Ratio Lower Upper

84 100

86 59.0 45.3 84.1

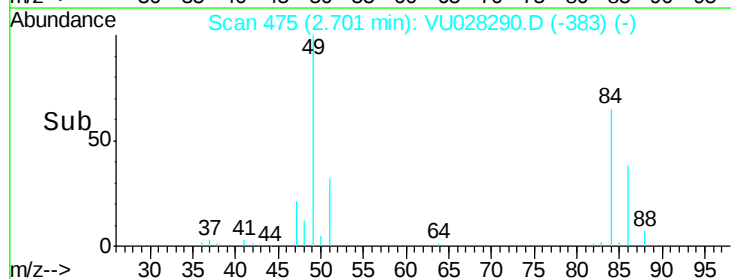
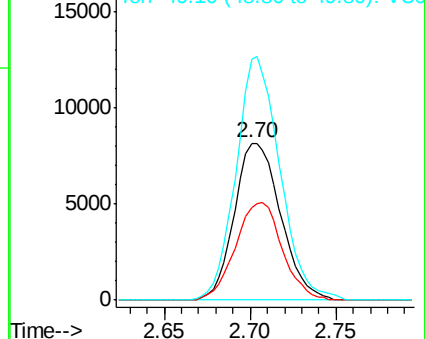
49 153.6 107.9 200.5

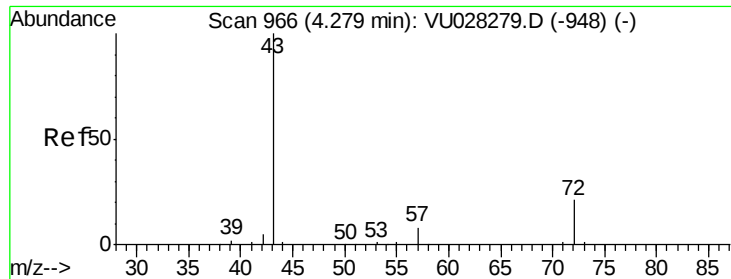


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#21

2-Butanone

Concen: 2.00 ug/L

RT: 4.29 min Scan# 968

Delta R.T. 0.01 min

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MSVOA\_U  
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Tgt Ion: 43 Resp: 6466

Ion Ratio Lower Upper

43 100

72 17.8 10.7 32.1

