

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062219\  
 Data File : VU032941.D  
 Acq On : 21 Jun 2019 13:43  
 Operator : JC/SP  
 Sample : K3469-19  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T11-MW-5-9.0-062019

Quant Time: Jun 22 01:29:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 22 00:32:21 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 187419   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 184423   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 87496    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 48898    | 38.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.36%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 43487    | 42.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 85.14%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 77211    | 29.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.84%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 113529   | 106.49   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.49% |
| 24) Chloroform-d               | 4.64    | 84    | 114426   | 45.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.90%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 80788    | 48.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.42%  |
| 32) Benzene-d6                 | 5.34    | 84    | 211052   | 43.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 73046    | 47.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.40%  |
| 41) Toluene-d8                 | 7.56    | 98    | 187430   | 41.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.26%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 34810    | 43.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.40%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 68328    | 95.55    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.55%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42   | 84    | 109478   | 46.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.48%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 80064    | 47.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.58%  |

## Target Compounds

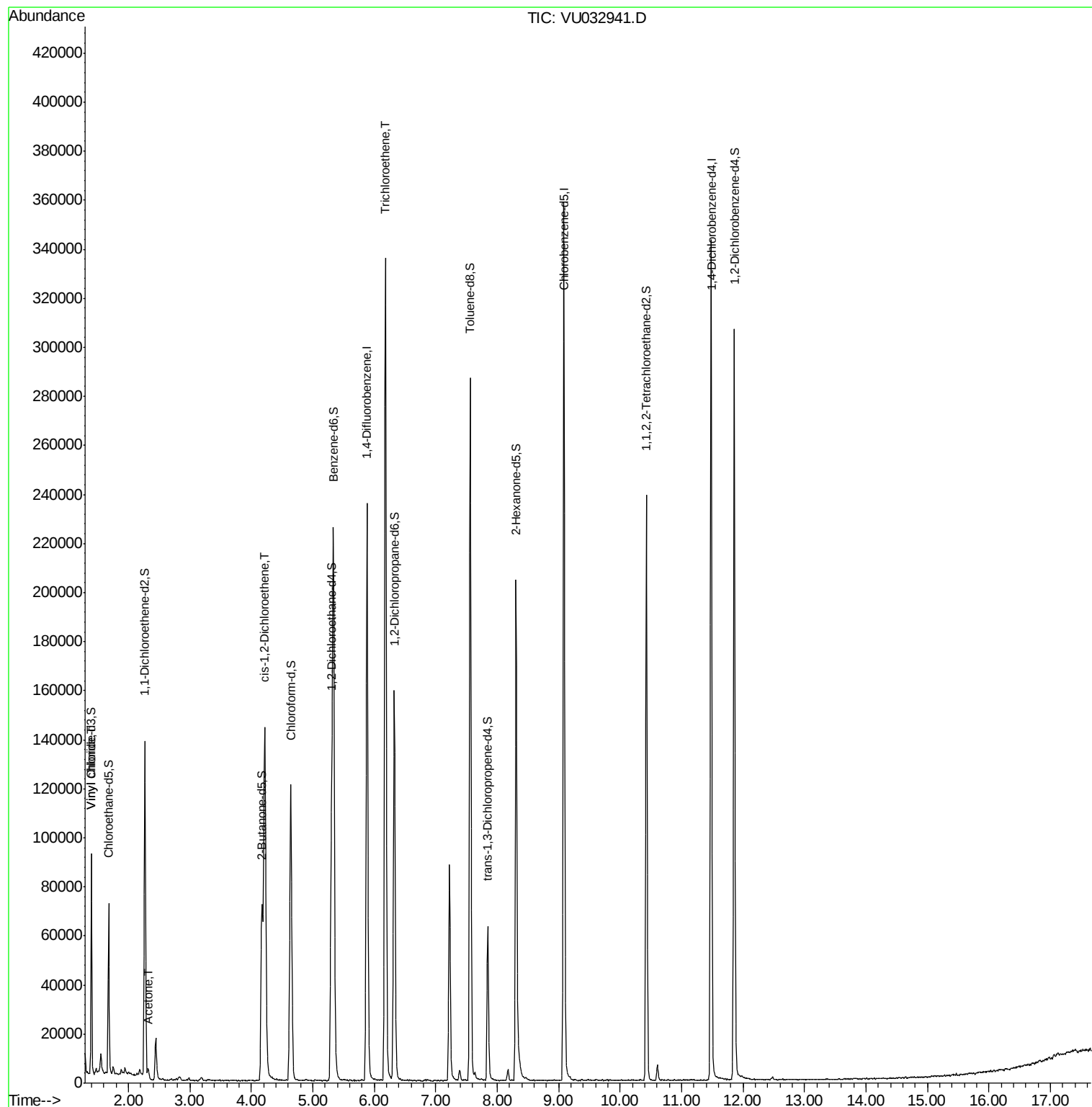
|                            |      |    |        |              | Ovalue |
|----------------------------|------|----|--------|--------------|--------|
| 5) Vinyl chloride          | 1.40 | 62 | 1594   | 0.937 ug/L # | 33     |
| 13) Acetone                | 2.32 | 43 | 3591   | 2.439 ug/L   | 85     |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 73016  | 52.368 ug/L  | 97     |
| 34) Trichloroethene        | 6.18 | 95 | 109749 | 77.316 ug/L  | 99     |

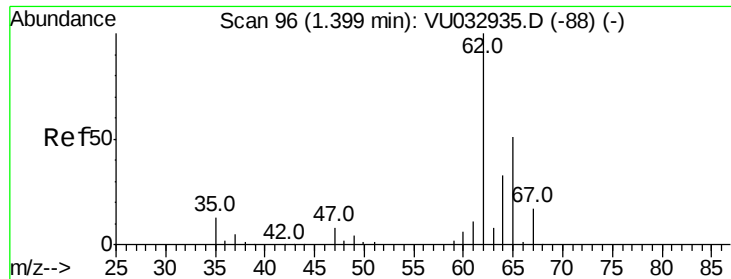
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 22 00:32:21 2019  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.937 ug/L

RT: 1.40 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU032941.D

Acq: 21 Jun 2019 13:43

Instrument :

MSVOA\_U

ClientSampleId :

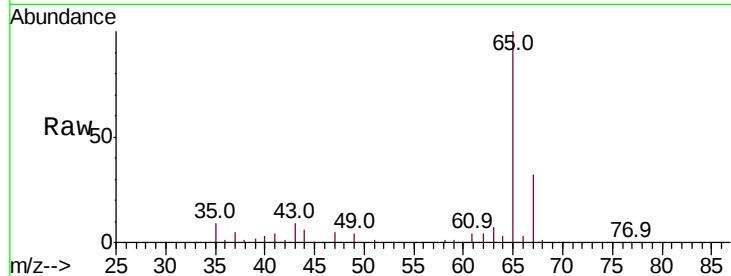
T11-MW-5-9.0-062019

Tot Ion: 62 Resp: 1594

Ion Ratio Lower Upper

62 100

64 70.3 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU032941.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU032941.D (-1) (-)

1.40

1500

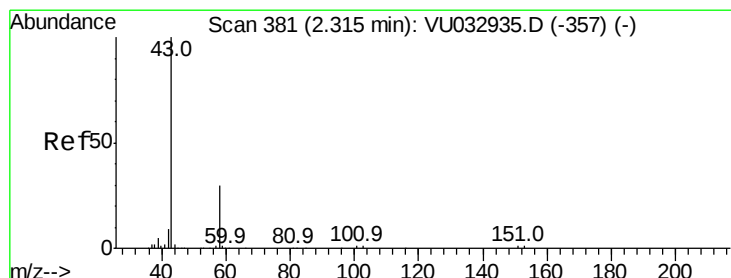
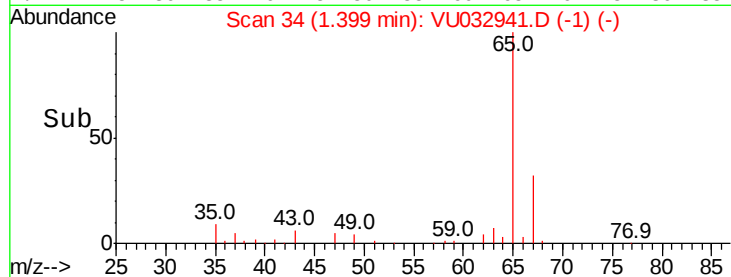
1000

500

0

1.38 1.40 1.42

Time-->



#13

Acetone

Concen: 2.439 ug/L

RT: 2.32 min Scan# 319

Delta R.T. 0.00 min

Lab File: VU032941.D

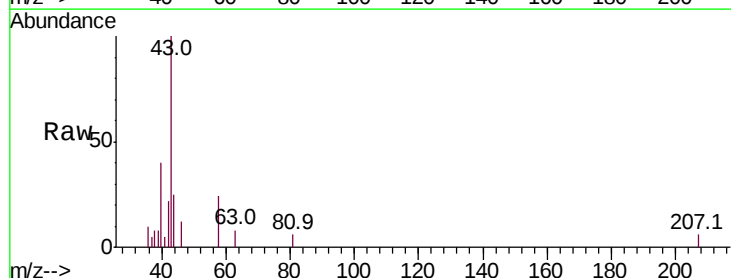
Acq: 21 Jun 2019 13:43

Tgt Ion: 43 Resp: 3591

Ion Ratio Lower Upper

43 100

58 22.0 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032941.D (-225) (-)

Ion 58.00 (57.70 to 58.70): VU032941.D (-225) (-)

2.32

2500

2000

1500

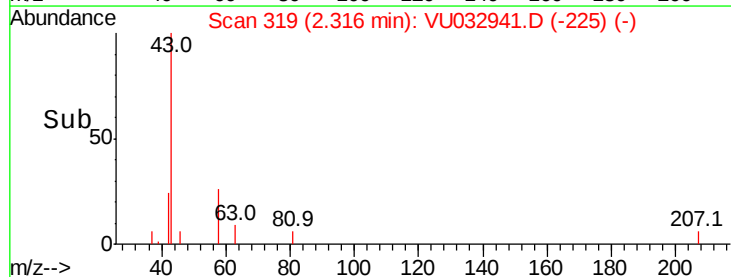
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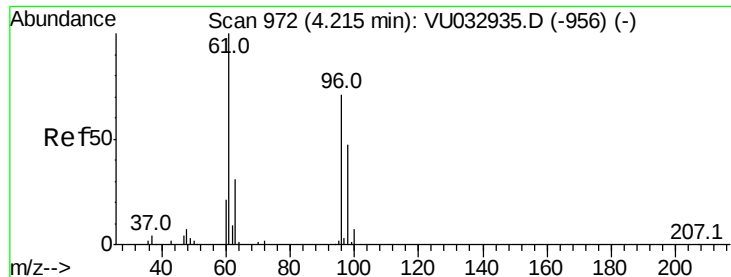
500

0

2.25 2.30 2.35

Time-->

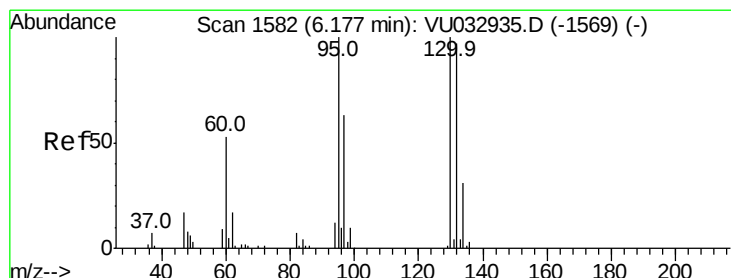
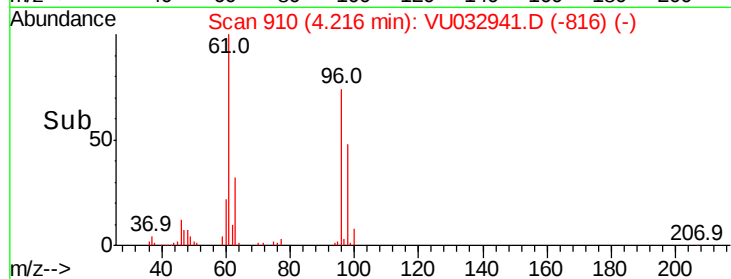
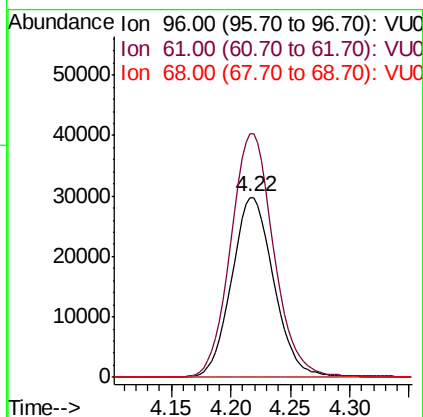
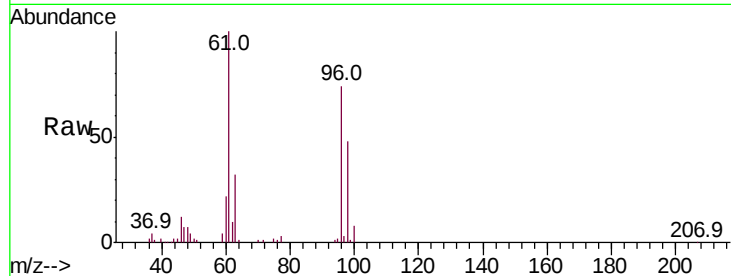




#20  
 cis-1,2-Dichloroethene  
 Concen: 52.368 ug/L  
 RT: 4.22 min Scan# 910  
 Delta R.T. 0.00 min  
 Lab File: VU032941.D  
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Tot Ion: 96 Resp: 73016  
 Ion Ratio Lower Upper  
 96 100  
 61 135.4 92.4 171.6  
 68 0.0 0.0 0.0



#34  
 Trichloroethene  
 Concen: 77.316 ug/L  
 RT: 6.18 min Scan# 1521  
 Delta R.T. 0.00 min  
 Lab File: VU032941.D  
 Acq: 21 Jun 2019 13:43

Tgt Ion: 95 Resp: 109749  
 Ion Ratio Lower Upper  
 95 100  
 97 65.9 45.9 85.3  
 132 97.8 68.5 127.3  
 130 103.4 70.8 131.4

