

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061019\  
 Data File : VU032590.D  
 Acq On : 11 Jun 2019 01:00  
 Operator : JC/SP  
 Sample : K3278-05  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB8D1

Quant Time: Jun 11 07:24:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 11 05:38:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 178527   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 166807   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 84239    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 56548    | 48.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 97.64%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 46720    | 50.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 100.38% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 86372    | 38.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.18%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 102009   | 105.24   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 105.24% |
| 24) Chloroform-d               | 4.64    | 84    | 109009   | 50.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.92% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 71421    | 52.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.96% |
| 32) Benzene-d6                 | 5.33    | 84    | 227325   | 52.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.98% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 71631    | 52.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.50% |
| 41) Toluene-d8                 | 7.56    | 98    | 209757   | 51.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.16% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 31016    | 47.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.46%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 62733    | 95.24    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.24%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 100115   | 50.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 101.76% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 85963    | 53.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.56% |

## Target Compounds

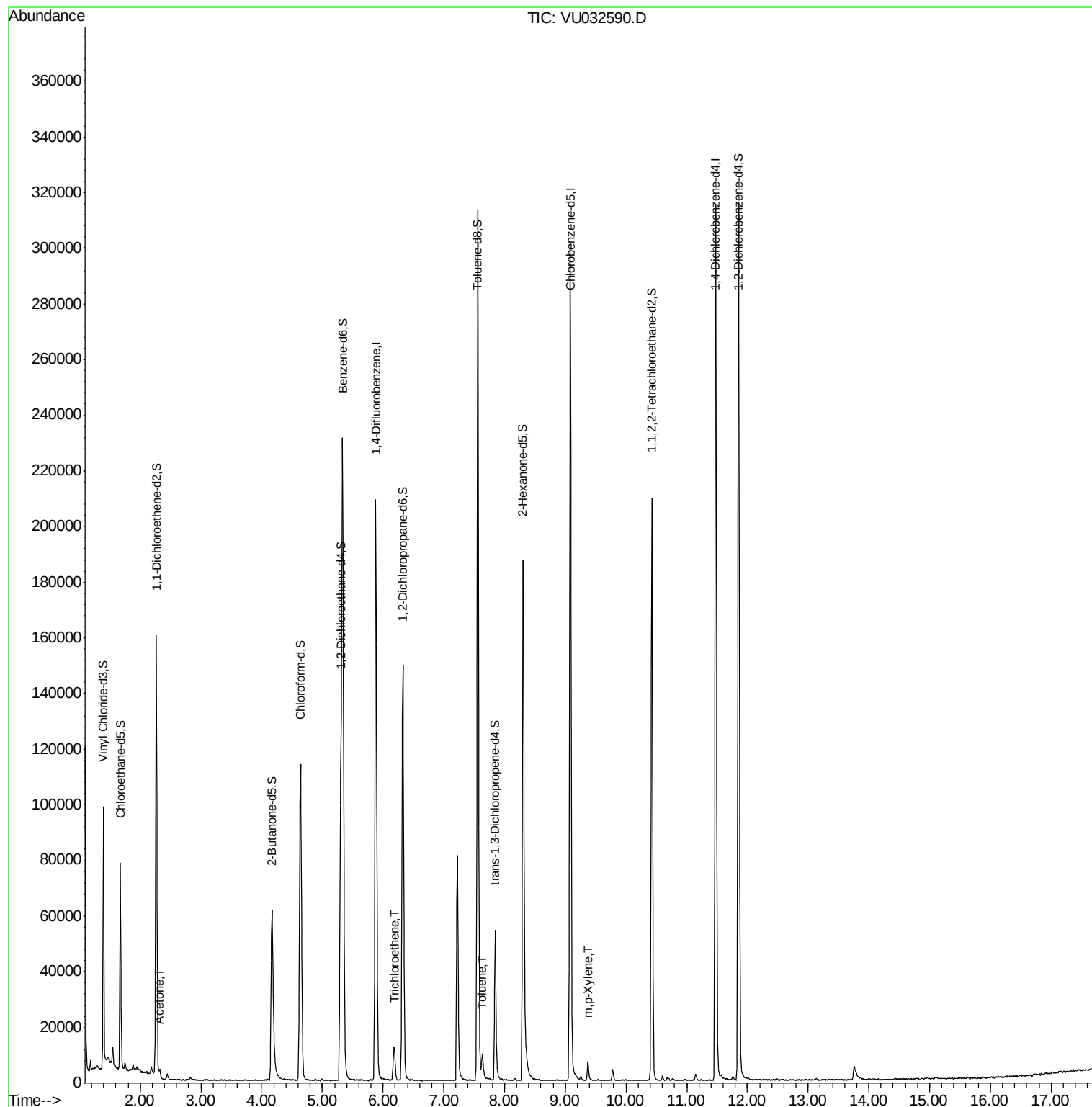
| Target Compounds    | R.T. | QIon | Response | Conc  | Units | Ovalue |
|---------------------|------|------|----------|-------|-------|--------|
| 13) Acetone         | 2.32 | 43   | 3151     | 3.151 | ug/L  | 88     |
| 34) Trichloroethene | 6.19 | 95   | 3224     | 2.528 | ug/L  | 97     |
| 42) Toluene         | 7.64 | 91   | 7154     | 1.394 | ug/L  | 95     |
| 53) m,p-Xylene      | 9.38 | 106  | 2175     | 1.000 | ug/L  | 81     |

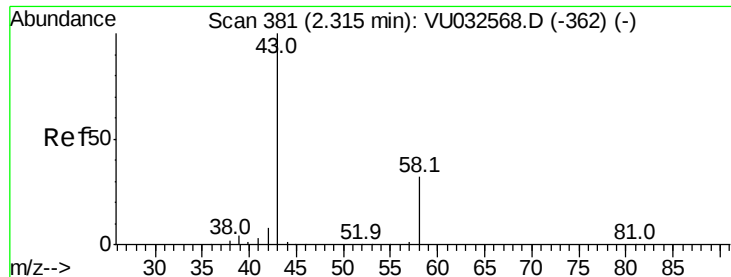
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 3.151 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032590.D

Acq: 11 Jun 2019 01:00

Instrument :

MSVOA\_U

ClientSampleId :

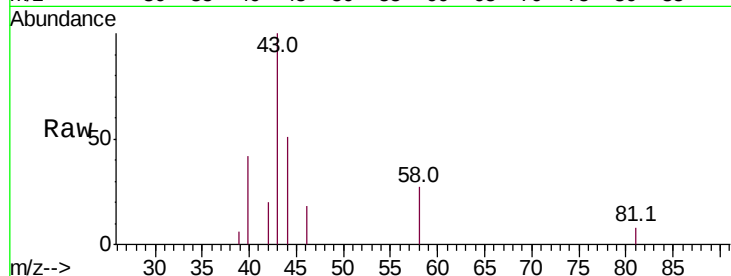
DB8D1

Tot Ion: 43 Resp: 3151

Ion Ratio Lower Upper

43 100

58 25.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032568.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU032568.D (-362) (-)

2.32

1500

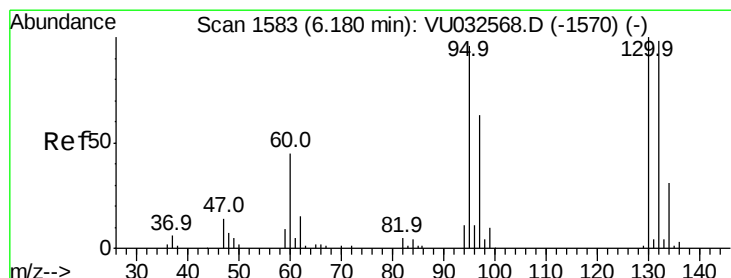
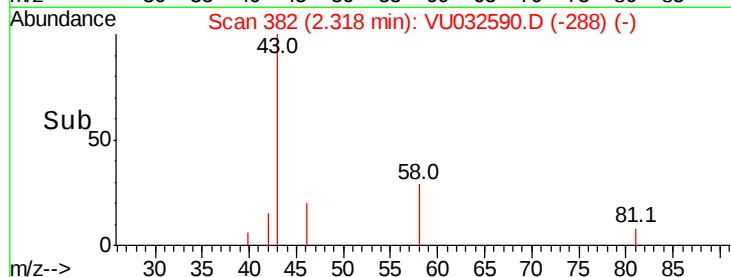
1000

500

0

2.25 2.30 2.35

Time-->



#34

Trichloroethene

Concen: 2.528 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU032590.D

Acq: 11 Jun 2019 01:00

Tgt Ion: 95 Resp: 3224

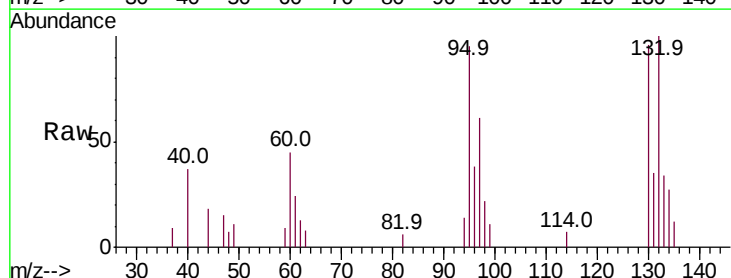
Ion Ratio Lower Upper

95 100

97 64.4 45.8 85.2

132 104.8 71.0 131.8

130 100.6 73.4 136.2



Abundance Ion 95.00 (94.70 to 95.70): VU032568.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU032568.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU032568.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU032568.D (-1570) (-)

6.19

2500

2000

1500

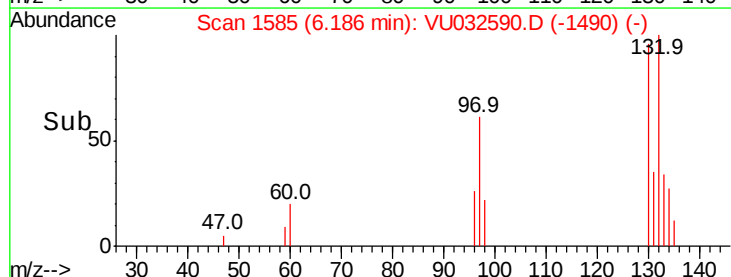
1000

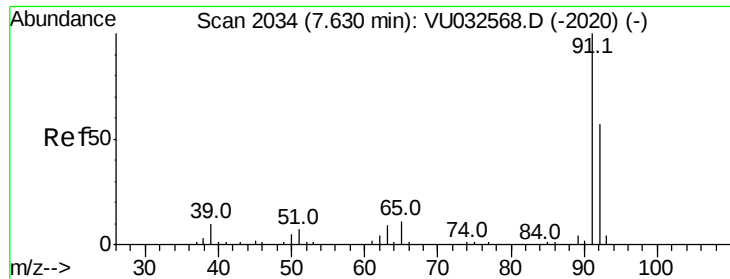
500

0

6.15 6.20 6.25

Time-->





#42

Toluene

Concen: 1.394 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VU032590.D

Acq: 11 Jun 2019 01:00

Instrument :

MSVOA\_U

ClientSampleId :

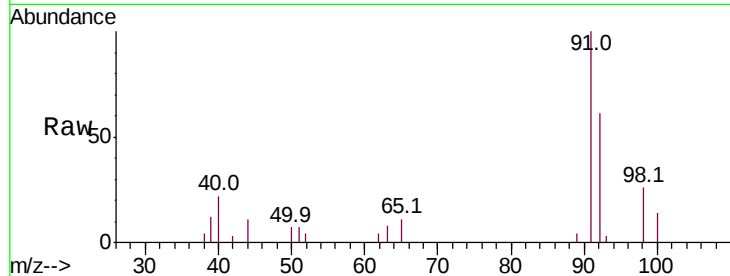
DB8D1

Tot Ion: 91 Resp: 7154

Ion Ratio Lower Upper

91 100

92 60.7 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032568.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032568.D (-2020) (-)

7.64

4000

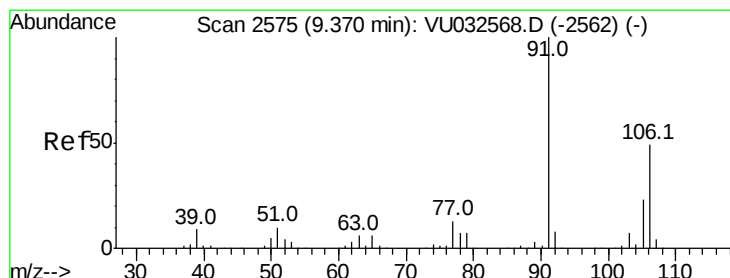
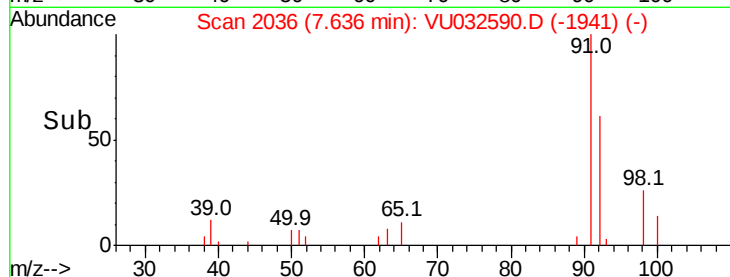
3000

2000

1000

0

Time-->



#53

m,p-Xylene

Concen: 1.000 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.01 min

Lab File: VU032590.D

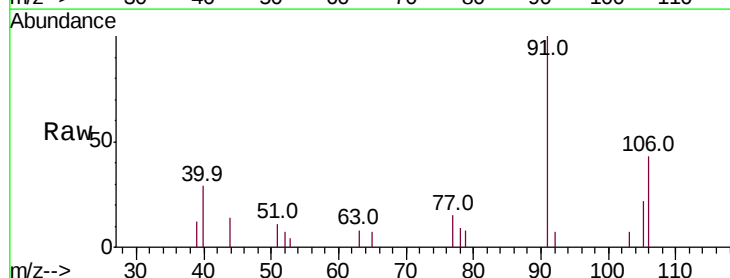
Acq: 11 Jun 2019 01:00

Tgt Ion: 106 Resp: 2175

Ion Ratio Lower Upper

106 100

91 231.3 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032568.D (-2562) (-)

Ion 91.00 (90.70 to 91.70): VU032568.D (-2562) (-)

9.38

2500

2000

1500

1000

500

0

Time-->

