

Data File : VU037320.D  
Acq On : 17 Mar 2020 16:29  
Operator : JC/MD  
Sample : L1901-21  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0NG5

Quant Time: Mar 18 02:40:01 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031220WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Mar 18 02:36:04 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 417501   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 402837   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 163192   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 121244   | 37.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 75.04%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 114045   | 43.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.56%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 186366   | 31.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.88%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 258318   | 101.02   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 101.02% |
| 24) Chloroform-d               | 5.11    | 84    | 288185   | 46.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.78%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 213423   | 46.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.86%  |
| 32) Benzene-d6                 | 5.76    | 84    | 528908   | 47.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 173916   | 47.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.82%  |
| 41) Toluene-d8                 | 7.92    | 98    | 485420   | 45.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.58%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 90865    | 45.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.98%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 184329   | 98.08    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.08%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 264386   | 47.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.04%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 181900   | 53.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.48% |

#### Target Compounds

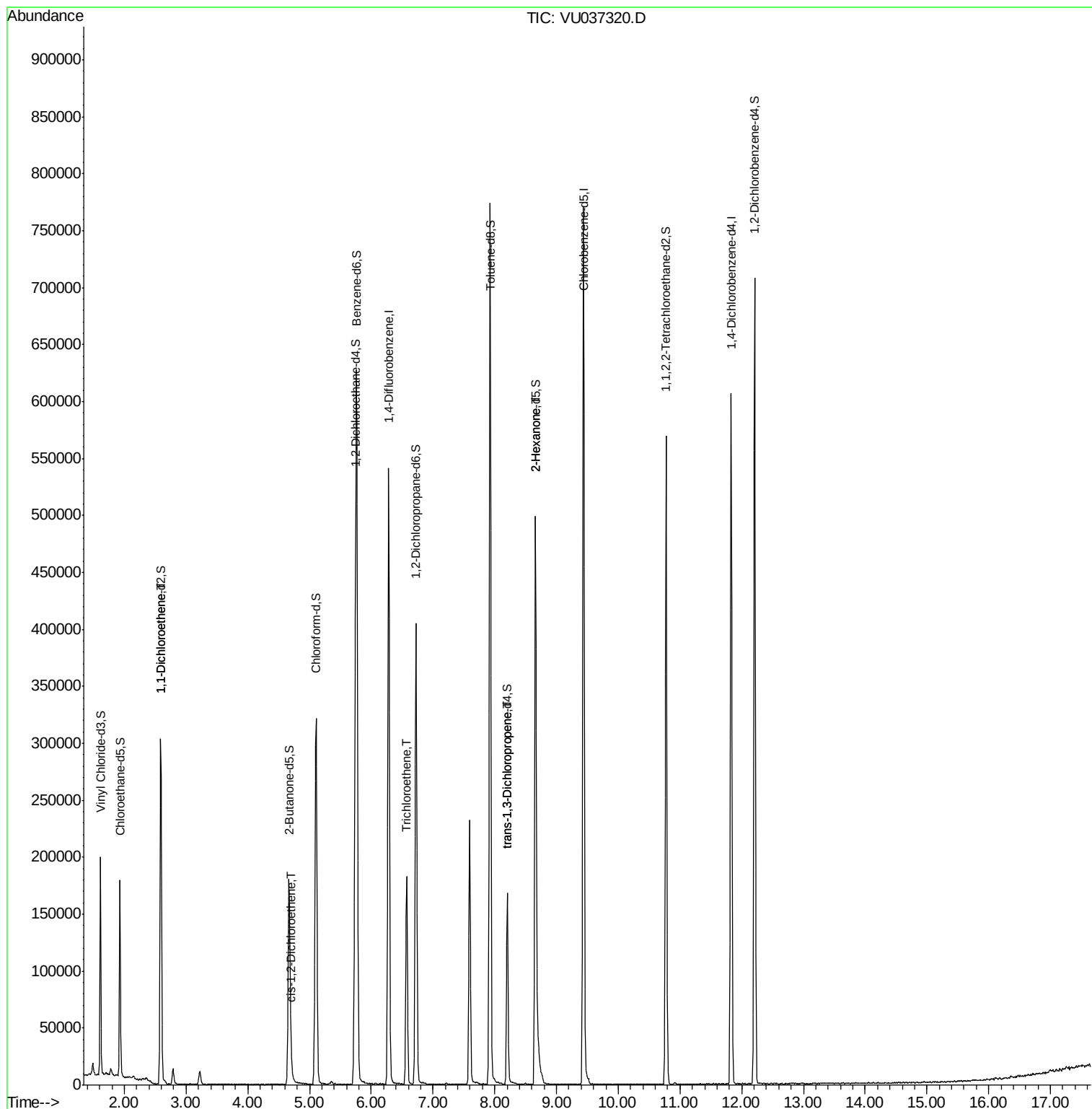
|                               |      |    |       |              | Qvalue |
|-------------------------------|------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene        | 2.60 | 96 | 3885  | 1.577 ug/L # | 1      |
| 20) cis-1,2-Dichloroethene    | 4.71 | 96 | 3066  | 0.982 ug/L   | 100    |
| 34) Trichloroethene           | 6.57 | 95 | 60727 | 19.682 ug/L  | 98     |
| 44) trans-1,3-Dichloropropene | 8.20 | 75 | 4941  | 1.000 ug/L   | 83     |
| 48) 2-Hexanone                | 8.66 | 43 | 23222 | 5.363 ug/L # | 74     |

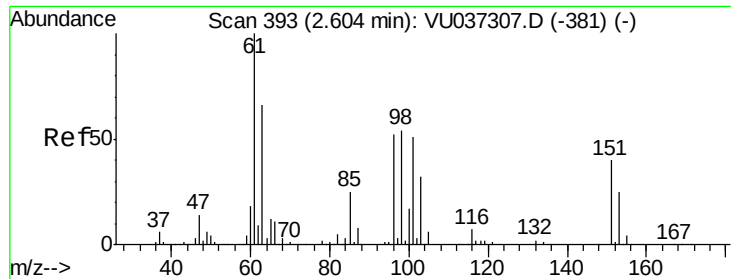
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.577 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

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Instrument :

MSVOA\_U

ClientSampleId :

C0NG5

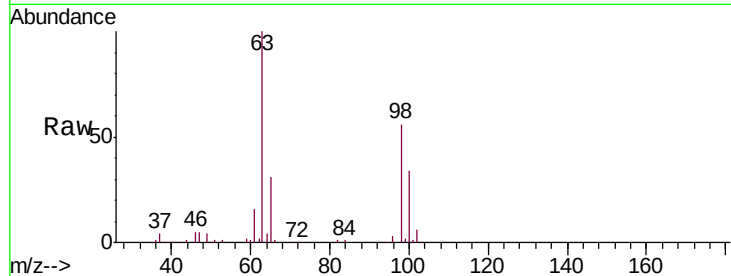
Tgt Ion: 96 Resp: 3885

Ion Ratio Lower Upper

96 100

61 546.9 138.8 257.8#

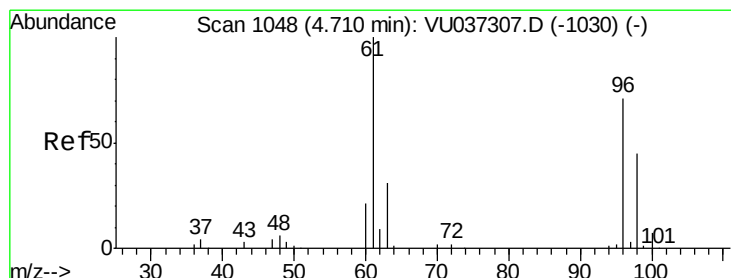
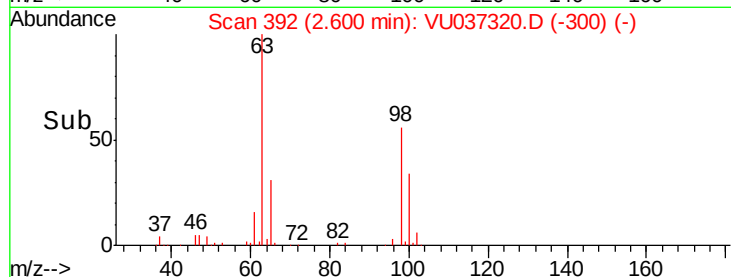
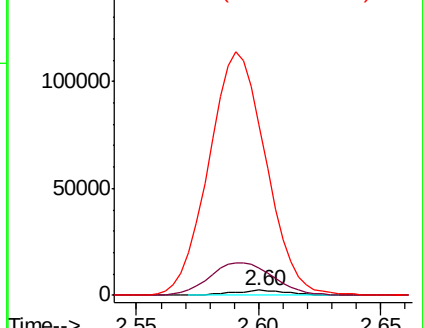
63 3454.1 106.4 197.6#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 0.982 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU037320.D

Acq: 17 Mar 2020 16:29

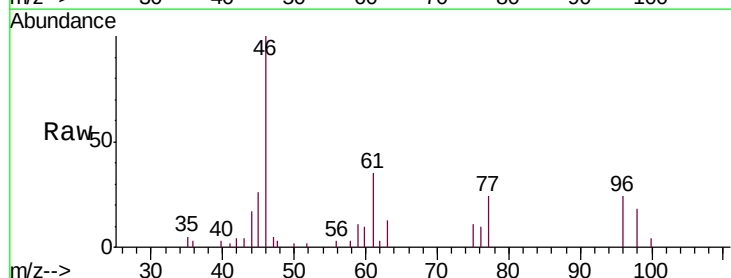
Tgt Ion: 96 Resp: 3066

Ion Ratio Lower Upper

96 100

61 145.0 101.2 187.8

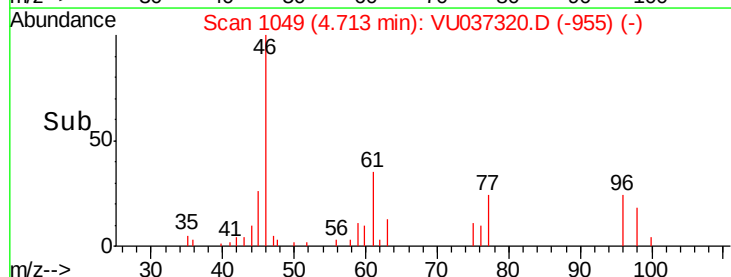
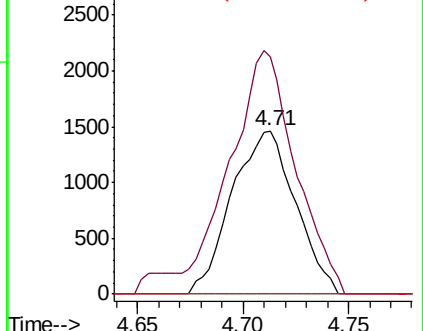
68 0.0 0.0 0.0

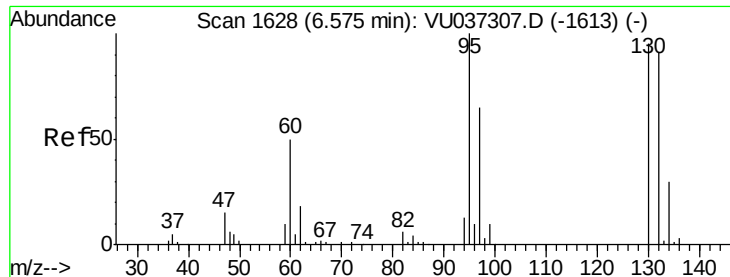


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 19.682 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

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MSVOA\_U

ClientSampleId :

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Tgt Ion: 95 Resp: 60727

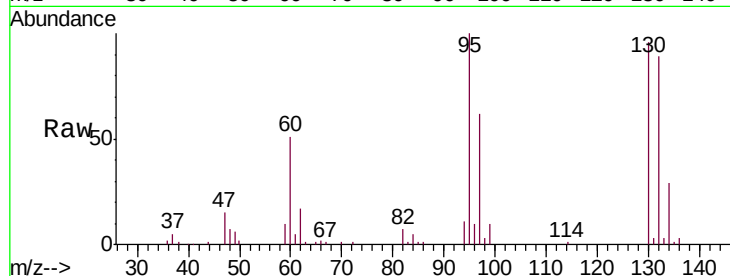
Ion Ratio Lower Upper

95 100

97 61.6 43.8 81.4

132 89.0 62.6 116.3

130 96.4 64.8 120.4

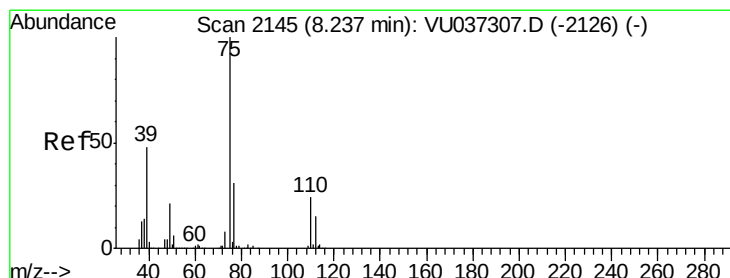
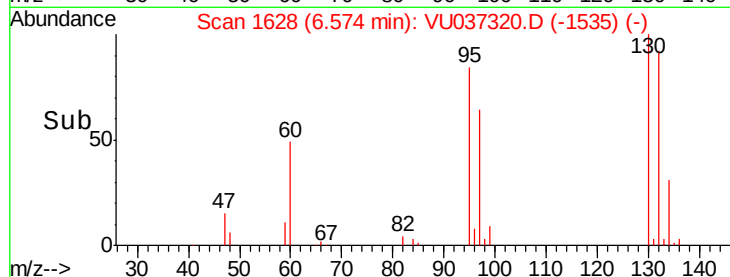
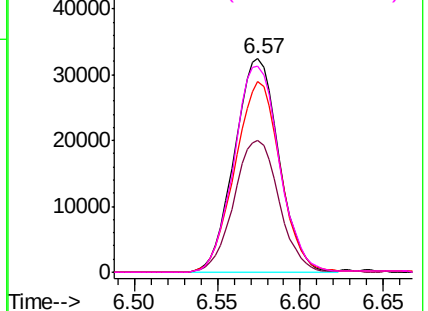


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44

trans-1,3-Dichloropropene

Concen: 1.000 ug/L

RT: 8.20 min Scan# 2134

Delta R.T. -0.04 min

Lab File: VU037320.D

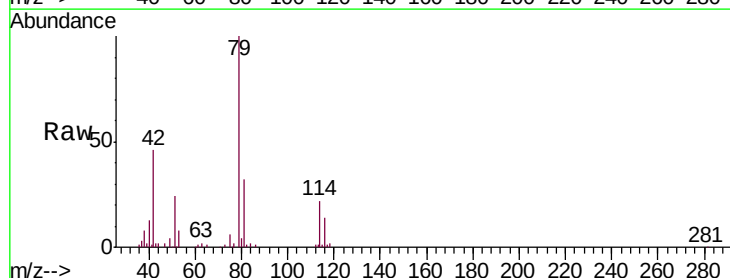
Acq: 17 Mar 2020 16:29

Tgt Ion: 75 Resp: 4941

Ion Ratio Lower Upper

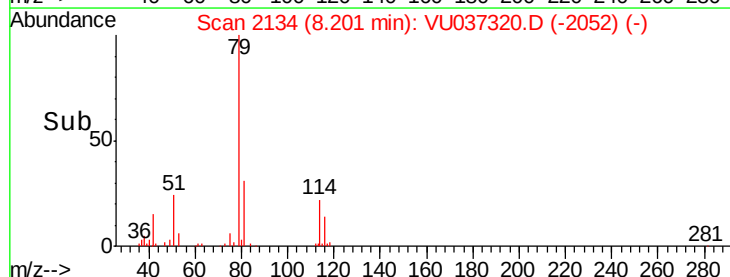
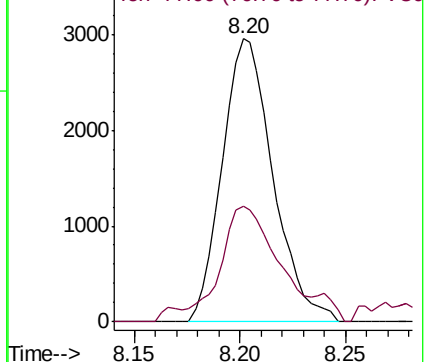
75 100

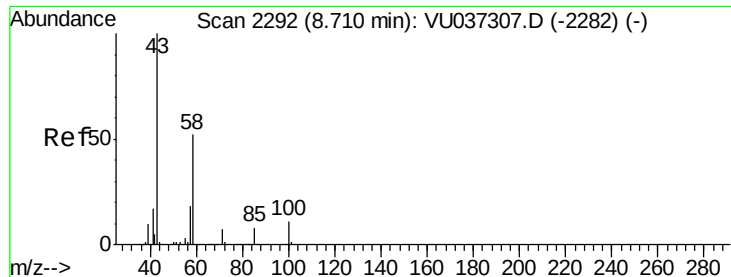
77 40.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#48

2-Hexanone

Concen: 5.363 ug/L

RT: 8.66 min Scan# 2276

Delta R.T. -0.05 min

Lab File: VU037320.D

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Instrument :

MSVOA\_U

ClientSampleId :

C0NG5

Tgt Ion: 43 Resp: 23222

Ion Ratio Lower Upper

43 100

58 29.7 39.8 59.6#

57 25.5 14.5 21.7#

100 0.5 7.9 11.9#

