

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU082019\  
 Data File : VU033849.D  
 Acq On : 20 Aug 2019 13:18  
 Operator : JC/SP  
 Sample : K4373-20  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AG8

Quant Time: Aug 21 07:04:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR082019WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Aug 21 05:39:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 167001   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 174479   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 77183    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 71938    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.20% |
| 7) Chloroethane-d5             | 1.67   | 69    | 62634    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 113724   | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 79.60%  |
| 20) 2-Butanone-d5              | 4.16   | 46    | 125395   | 44.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 88.90%  |
| 24) Chloroform-d               | 4.62   | 84    | 117887   | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 63290    | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.80%  |
| 32) Benzene-d6                 | 5.31   | 84    | 225830   | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.40% |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 72758    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.20% |
| 41) Toluene-d8                 | 7.55   | 98    | 189294   | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.00%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 25524    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.20%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 67954    | 34.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 69.64%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 53726    | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 87.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84  | 152   | 76795    | 5.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 114.60% |

## Target Compounds

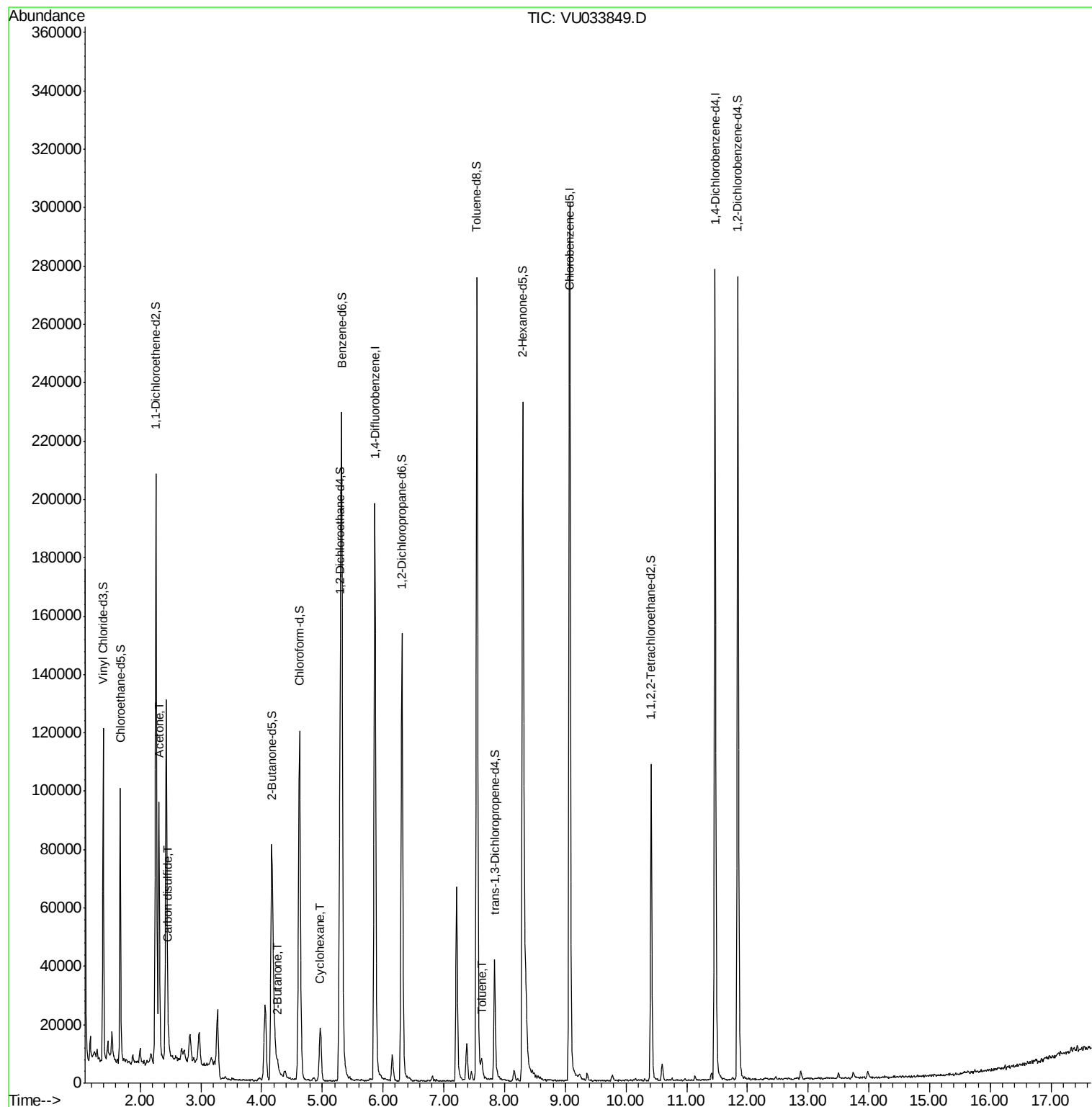
|                      |      |    |       |              | Qvalue |
|----------------------|------|----|-------|--------------|--------|
| 13) Acetone          | 2.31 | 43 | 88855 | 41.194 ug/L  | 99     |
| 14) Carbon disulfide | 2.46 | 76 | 6065  | 0.153 ug/L # | 94     |
| 21) 2-Butanone       | 4.26 | 43 | 5185  | 2.242 ug/L   | 100    |
| 30) Cyclohexane      | 4.96 | 56 | 8217  | 0.615 ug/L   | 99     |
| 42) Toluene          | 7.62 | 91 | 4225  | 0.108 ug/L   | 84     |

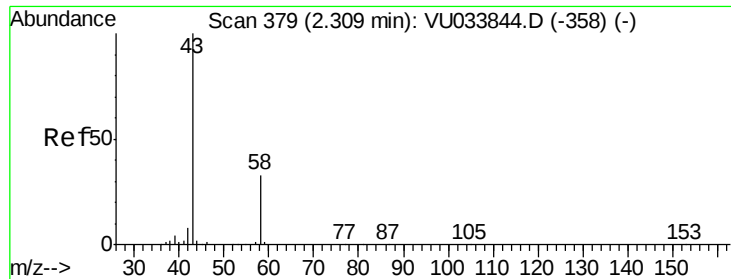
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 41.194 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU033849.D

Acq: 20 Aug 2019 13:18

Instrument :

MSVOA\_U

ClientSampleId :

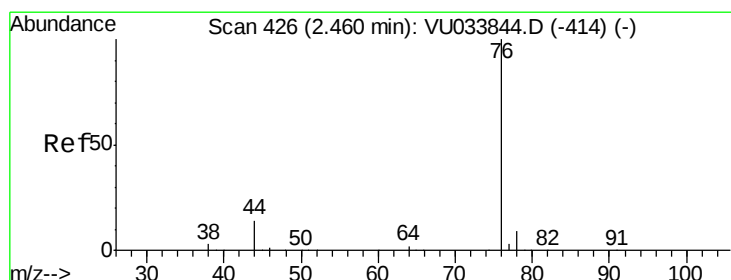
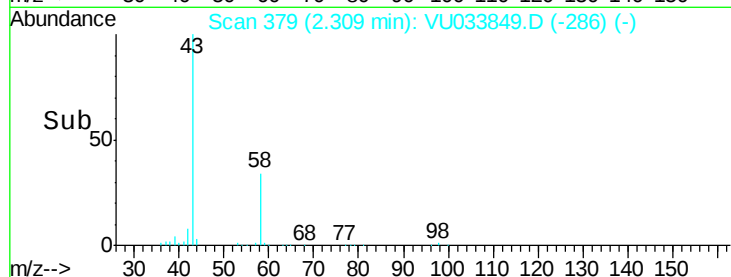
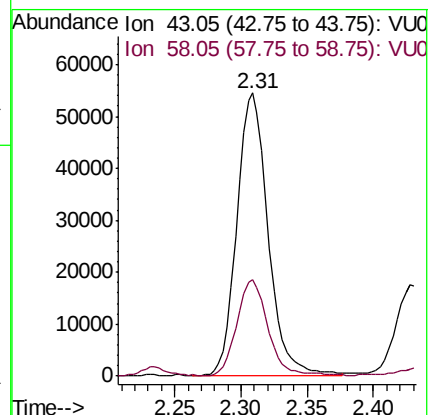
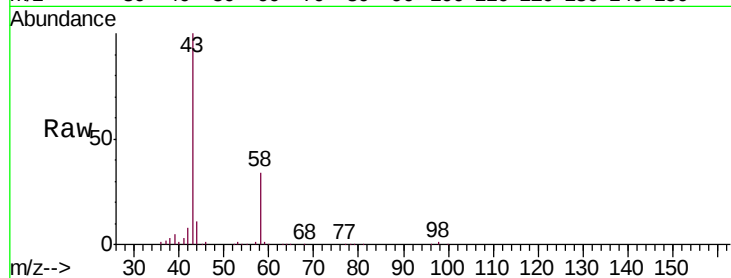
C0AG8

Tgt Ion: 43 Resp: 88855

Ion Ratio Lower Upper

43 100

58 33.3 0.0 65.4



#14

Carbon disulfide

Concen: 0.153 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033849.D

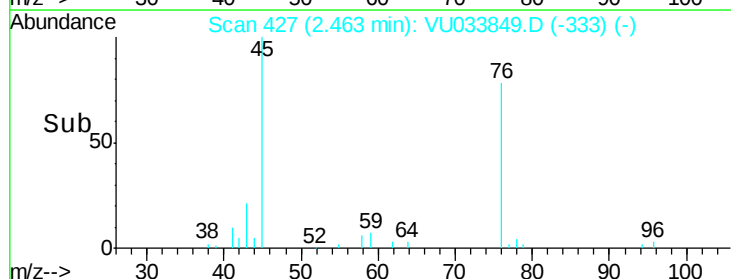
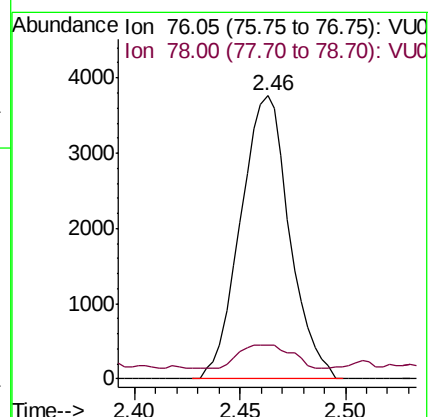
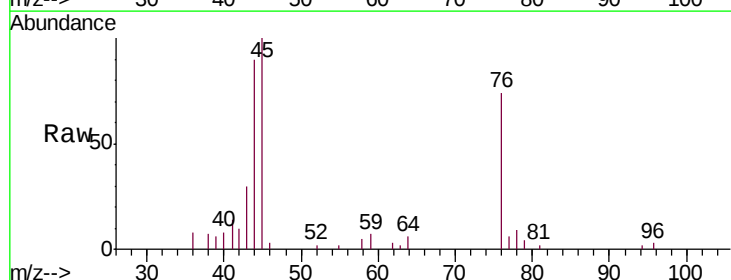
Acq: 20 Aug 2019 13:18

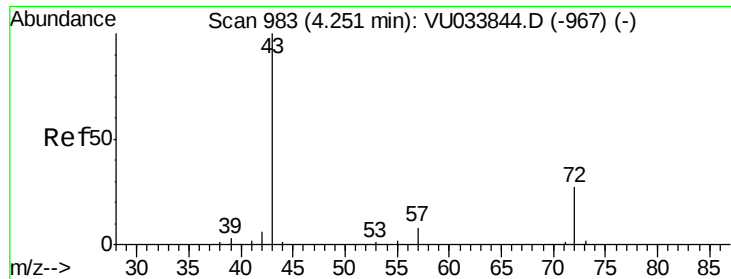
Tgt Ion: 76 Resp: 6065

Ion Ratio Lower Upper

76 100

78 11.9 7.7 11.5#





#21

2-Butanone

Concen: 2.242 ug/L

RT: 4.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VU033849.D

Acq: 20 Aug 2019 13:18

Instrument :

MSVOA\_U

ClientSampleId :

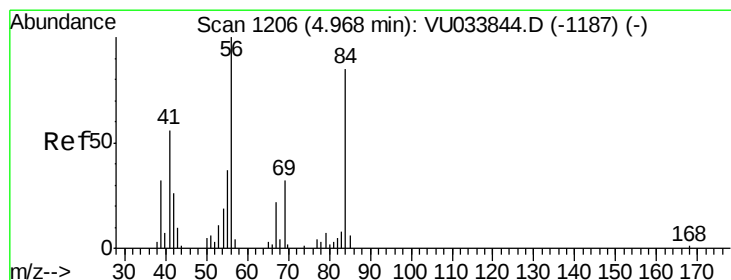
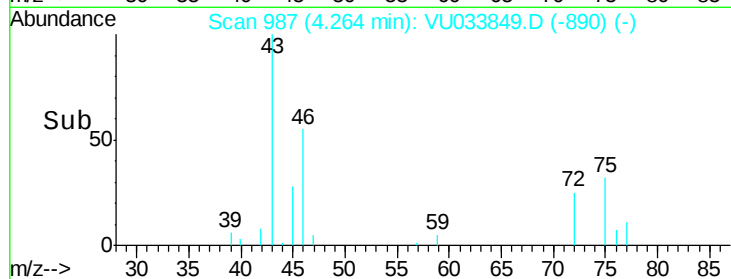
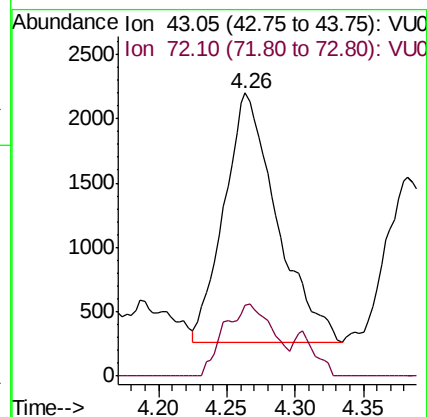
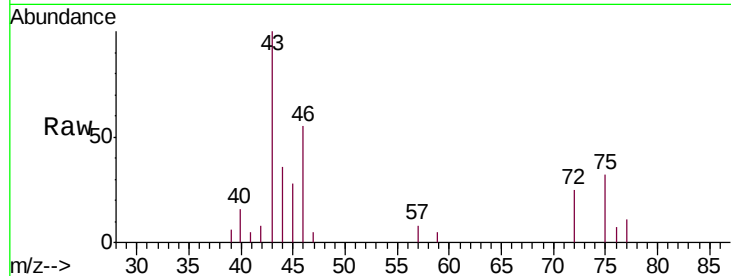
C0AG8

Tgt Ion: 43 Resp: 5185

Ion Ratio Lower Upper

43 100

72 27.2 13.7 41.0



#30

Cyclohexane

Concen: 0.615 ug/L

RT: 4.96 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VU033849.D

Acq: 20 Aug 2019 13:18

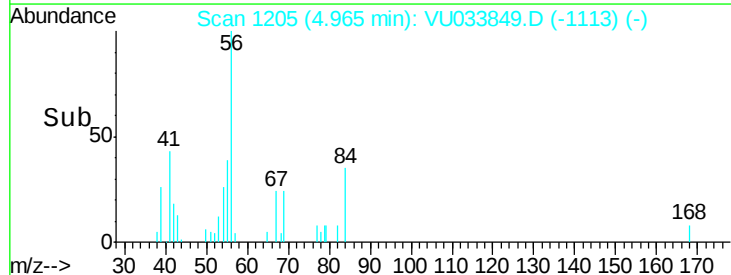
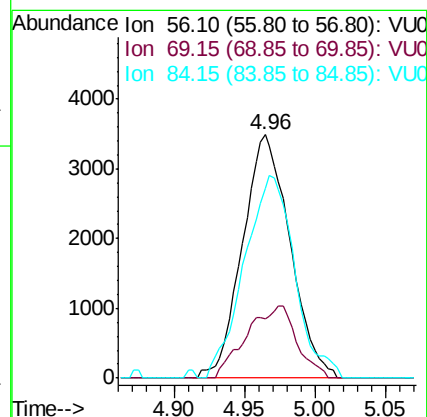
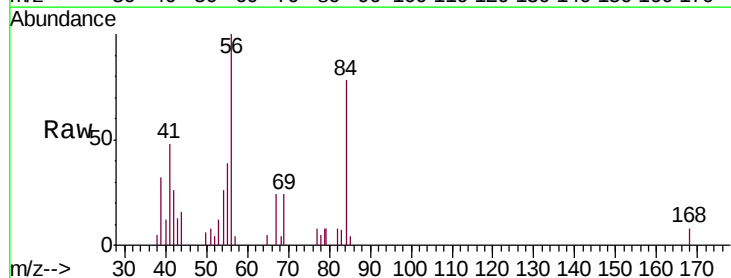
Tgt Ion: 56 Resp: 8217

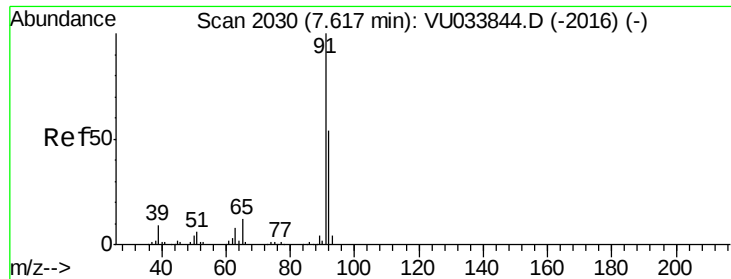
Ion Ratio Lower Upper

56 100

69 31.4 25.1 37.7

84 88.0 69.5 104.3





#42

Toluene

Concen: 0.108 ug/L

RT: 7.62 min Scan# 2032

Delta R.T. 0.01 min

Lab File: VU033849.D

Acq: 20 Aug 2019 13:18

Instrument :

MSVOA\_U

ClientSampleId :

C0AG8

Tgt Ion: 91 Resp: 4225

Ion Ratio Lower Upper

91 100

92 66.2 38.1 70.7

