

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU011320\  
 Data File : VU036438.D  
 Acq On : 13 Jan 2020 13:11  
 Operator : JC/MD  
 Sample : VU0113MBL01  
 Misc : 5.G/5.0 mL/100uL/5.0mL/MSVOA\_U/METHANOL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK38

Quant Time: Jan 14 16:23:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jan 14 16:20:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 485205   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 461839   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 170957   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 183535   | 48.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 97.08%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 157195   | 49.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.58%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 258601   | 40.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.30%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 288401   | 102.43   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.43% |
| 24) Chloroform-d               | 5.11    | 84    | 340257   | 51.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.12% |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 234786   | 53.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.32% |
| 32) Benzene-d6                 | 5.77    | 84    | 671856   | 52.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.50% |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 223767   | 51.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.78% |
| 41) Toluene-d8                 | 7.93    | 98    | 622670   | 50.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.90% |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 114442   | 48.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.82%  |
| 47) 2-Hexanone-d5              | 8.67    | 63    | 215282   | 96.80    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.80%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78   | 84    | 310664   | 47.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22   | 152   | 183189   | 51.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.16% |

## Target Compounds

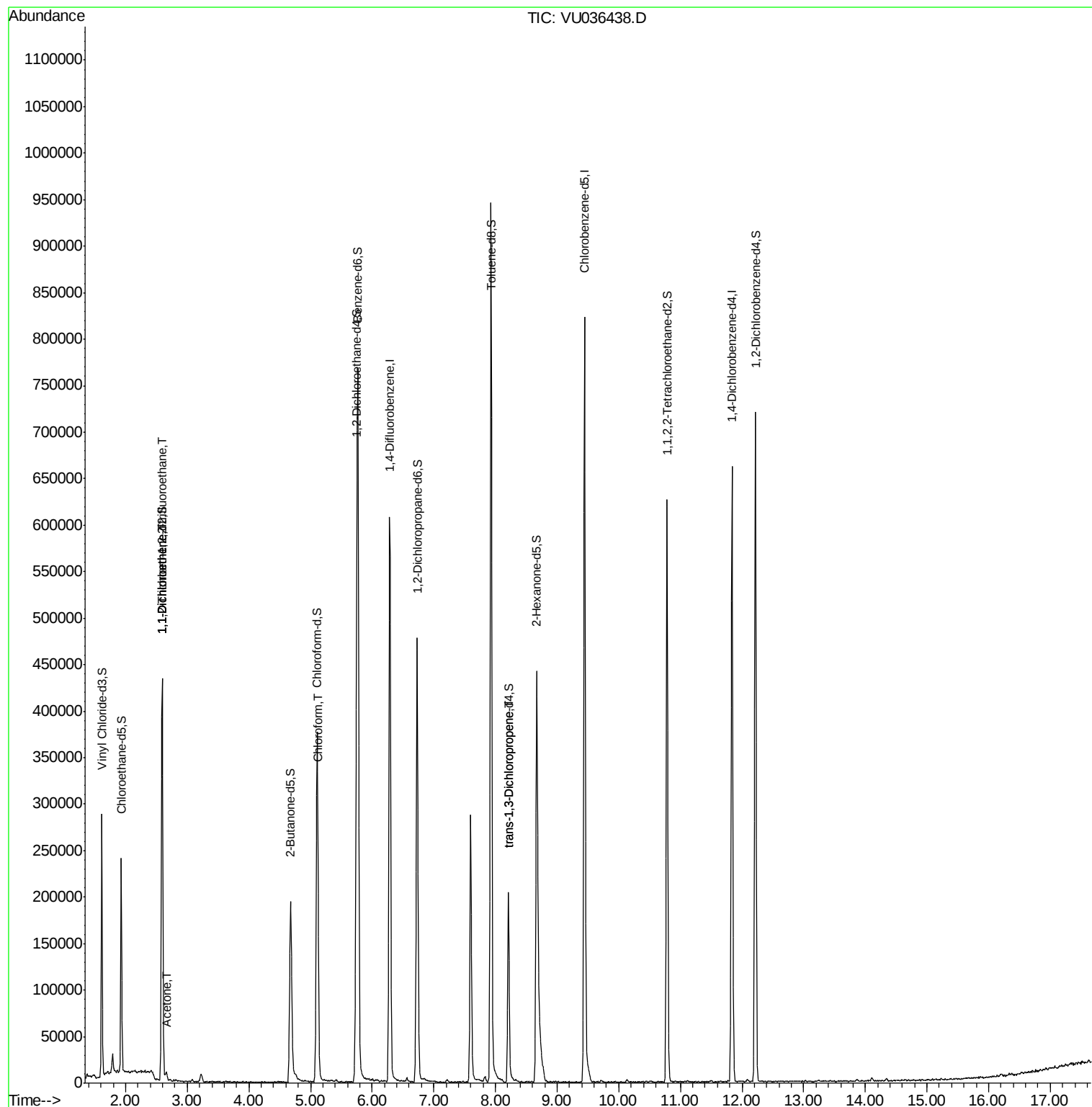
|                                |      |     |      |              | Qvalue |
|--------------------------------|------|-----|------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 2182 | 0.766 ug/L # | 26     |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 2173 | 0.774 ug/L # | 1      |
| 13) Acetone                    | 2.66 | 43  | 8206 | 2.810 ug/L   | 94     |
| 25) Chloroform                 | 5.13 | 83  | 5479 | 0.846 ug/L   | 95     |
| 44) trans-1,3-Dichloropropene  | 8.21 | 75  | 6411 | 1.119 ug/L   | 92     |

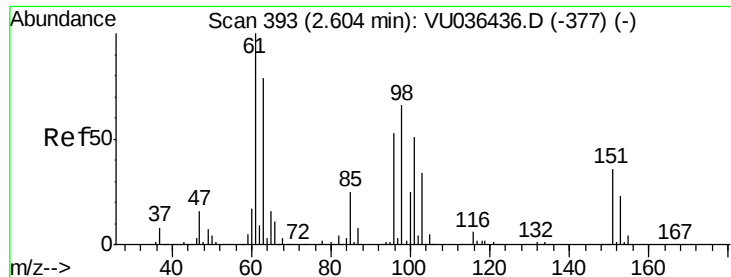
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VU0113MBL01  
Misc : 5.G/5.0 mL/100uL/5.0mL/MSVOA\_U/METHANOL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK38

Quant Time: Jan 14 16:23:10 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jan 14 16:20:30 2020  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.766 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU036438.D

Acq: 13 Jan 2020 13:11

Instrument :

MSVOA\_U

ClientSampleId :

VBLK38

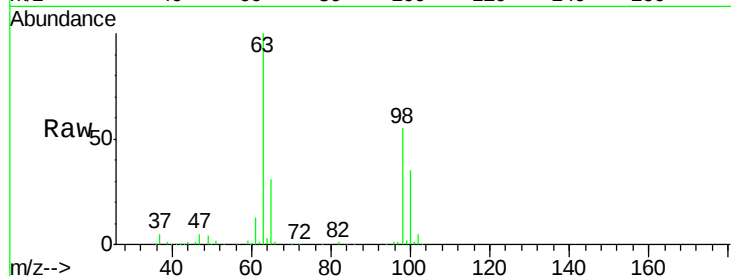
Tgt Ion: 101 Resp: 2182

Ion Ratio Lower Upper

101 100

85 4.0 37.1 55.7#

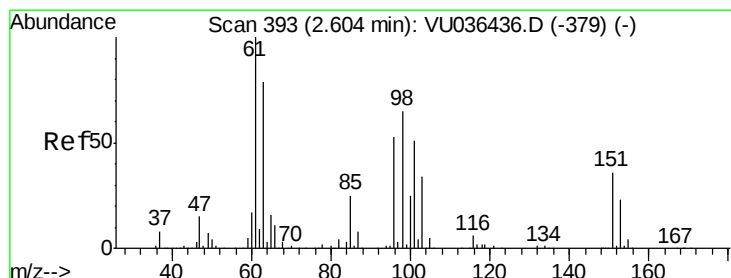
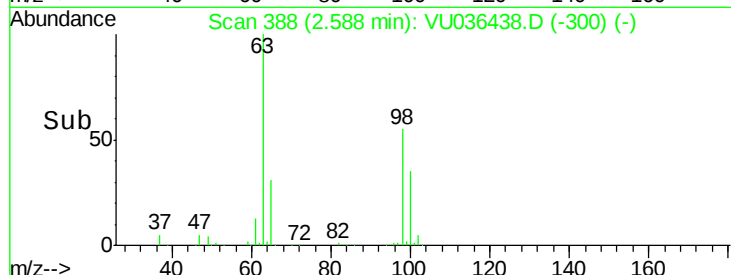
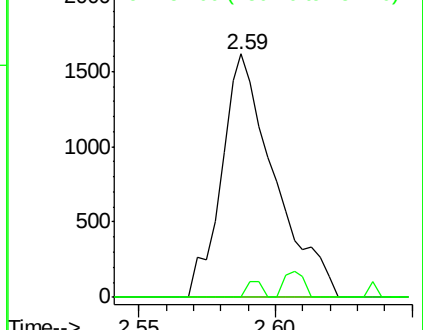
151 1.9 54.3 81.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.774 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU036438.D

Acq: 13 Jan 2020 13:11

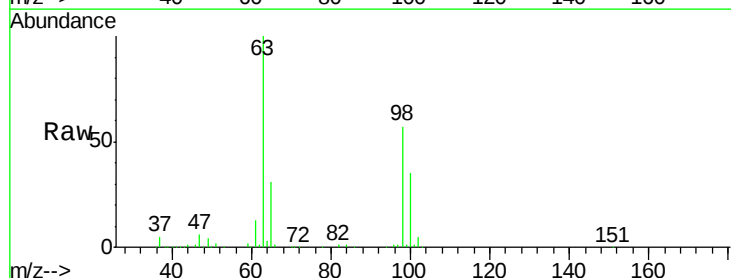
Tgt Ion: 96 Resp: 2173

Ion Ratio Lower Upper

96 100

61 1504.8 120.9 224.5#

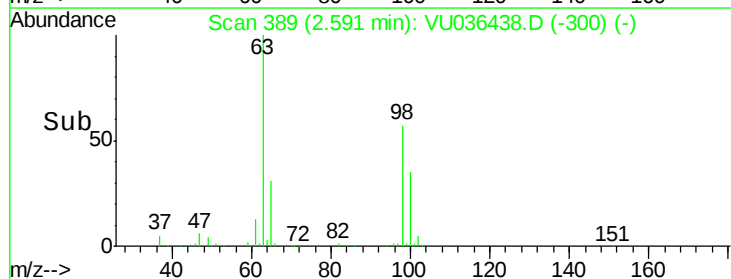
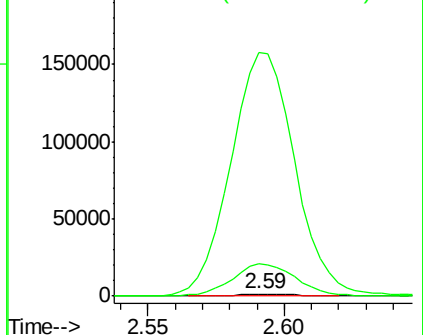
63 11244.5 81.8 152.0#

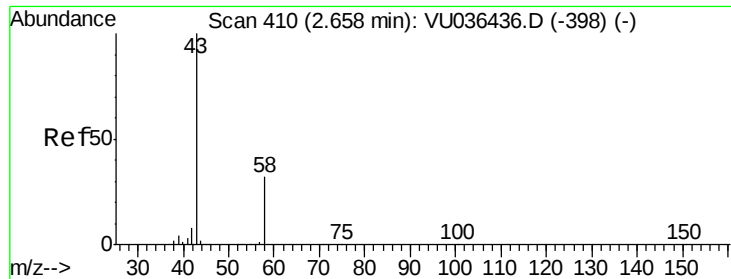


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.810 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036438.D

Acq: 13 Jan 2020 13:11

Instrument :

MSVOA\_U

ClientSampled :

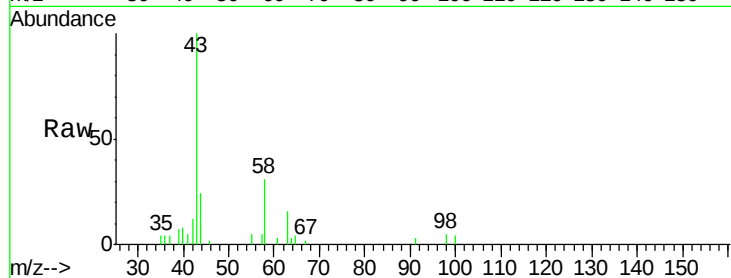
VBLK38

Tgt Ion: 43 Resp: 8206

Ion Ratio Lower Upper

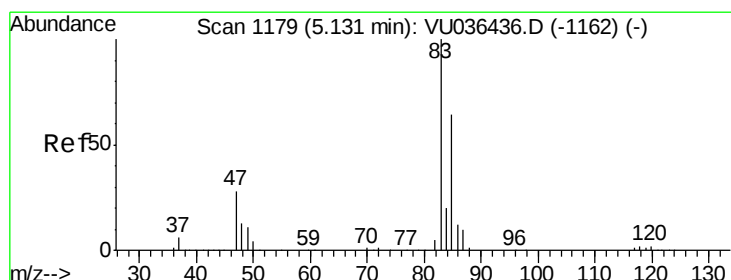
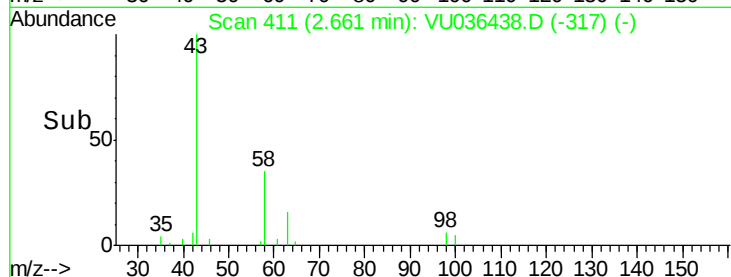
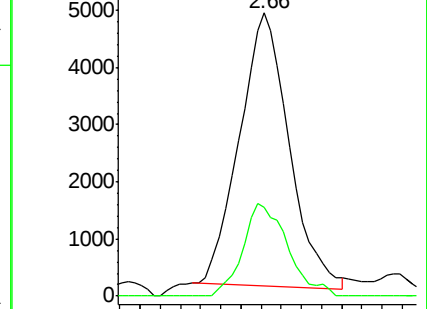
43 100

58 29.8 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU036438.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036438.D (-398) (-)



#25

Chloroform

Concen: 0.846 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VU036438.D

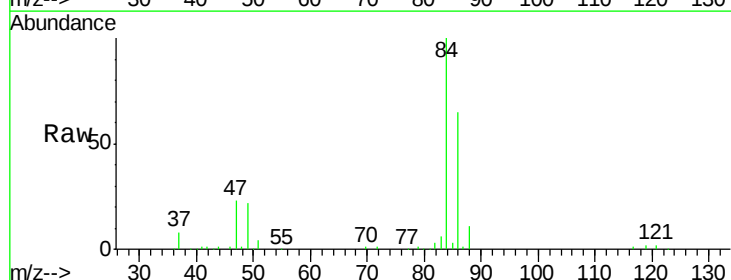
Acq: 13 Jan 2020 13:11

Tgt Ion: 83 Resp: 5479

Ion Ratio Lower Upper

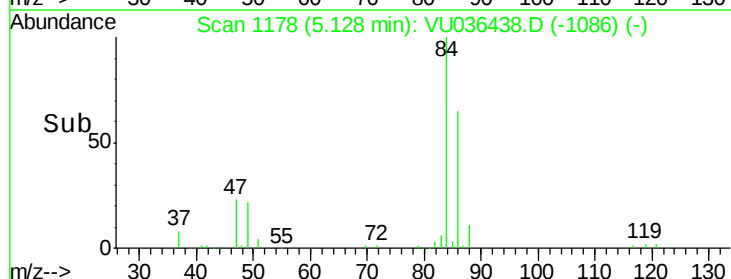
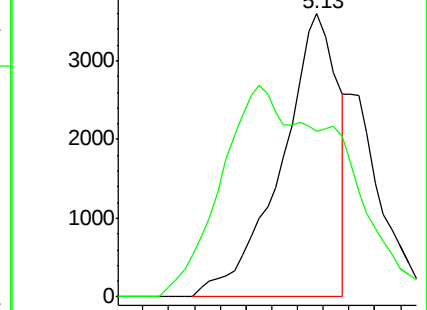
83 100

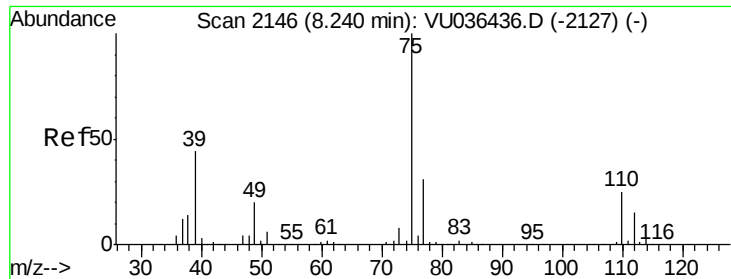
85 58.5 43.9 81.5



Abundance Ion 83.00 (82.70 to 83.70): VU036438.D (-1086) (-)

Ion 85.00 (84.70 to 85.70): VU036438.D (-1086) (-)





#44

trans-1,3-Dichloropropene

Concen: 1.119 ug/L

RT: 8.21 min Scan# 2137

Delta R.T. -0.03 min

Lab File: VU036438.D

Acq: 13 Jan 2020 13:11

Instrument :

MSVOA\_U

ClientSampleId :

VBLK38

Tgt Ion: 75 Resp: 6411

Ion Ratio Lower Upper

75 100

77 36.8 22.5 41.9

