

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU052819\  
 Data File : VU032327.D  
 Acq On : 28 May 2019 14:38  
 Operator : JC/SP  
 Sample : K2975-06  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFHG6

Quant Time: May 29 05:30:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM052819WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 29 05:27:35 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 650239   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 637243   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 261404   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 215540   | 44.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.94%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 197304   | 50.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 101.96% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 286951   | 33.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.40%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 388932   | 123.30   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 123.30% |
| 24) Chloroform-d               | 4.64    | 84    | 443554   | 52.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.76% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 293648   | 59.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 118.30% |
| 32) Benzene-d6                 | 5.33    | 84    | 885123   | 52.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.92% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 292238   | 56.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 112.66% |
| 41) Toluene-d8                 | 7.56    | 98    | 744223   | 47.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.44%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 111569   | 46.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.92%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 253034   | 116.24   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 116.24% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 458605   | 57.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 115.70% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 298543   | 56.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 112.02% |

## Target Compounds

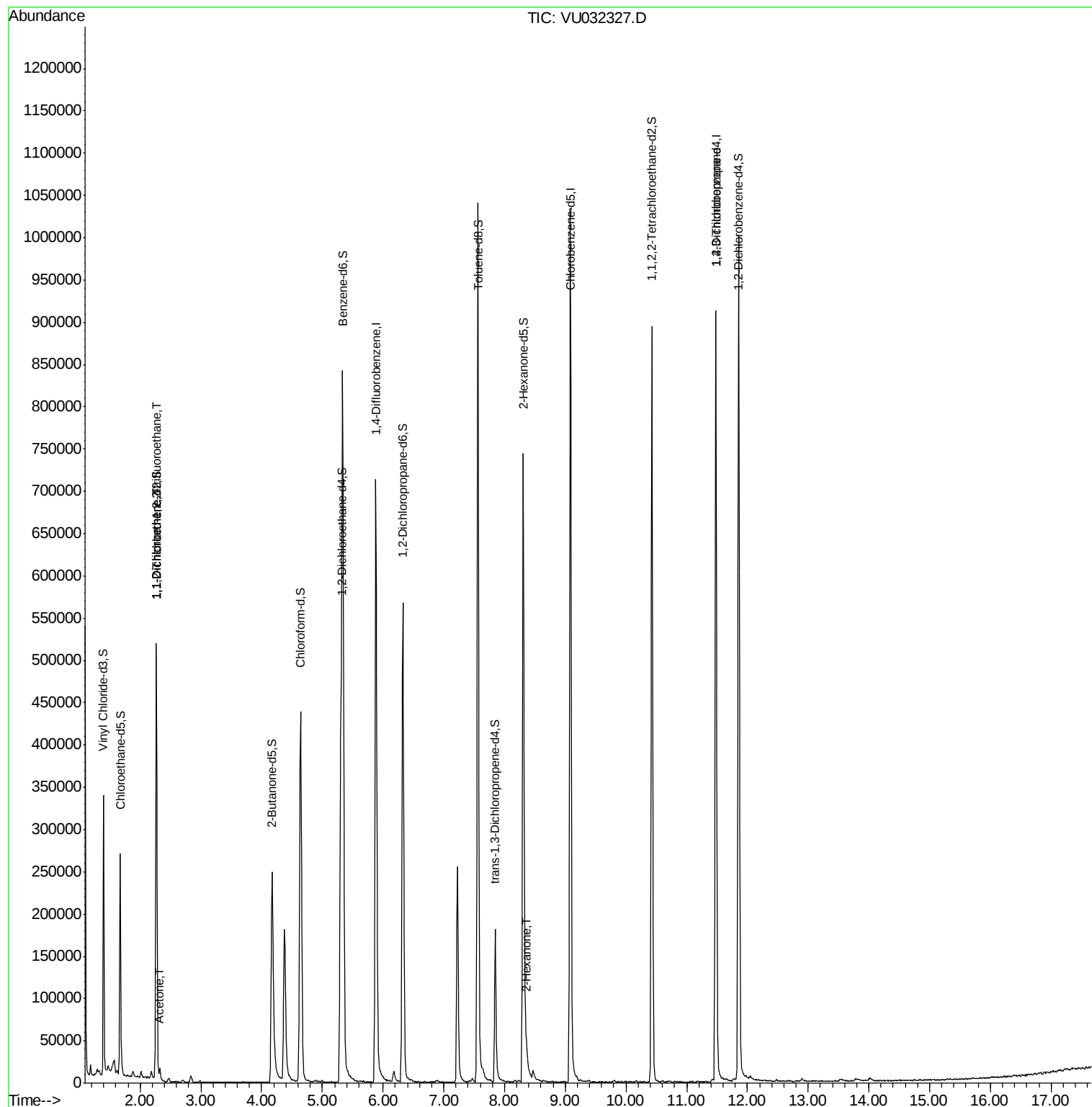
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 3844  | 0.931 ug/L # | 26     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 2694  | 0.640 ug/L # | 1      |
| 13) Acetone                    | 2.32  | 43  | 11752 | 3.953 ug/L   | 89     |
| 48) 2-Hexanone                 | 8.37  | 43  | 17519 | 3.535 ug/L # | 39     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 29738 | 4.813 ug/L   | 94     |

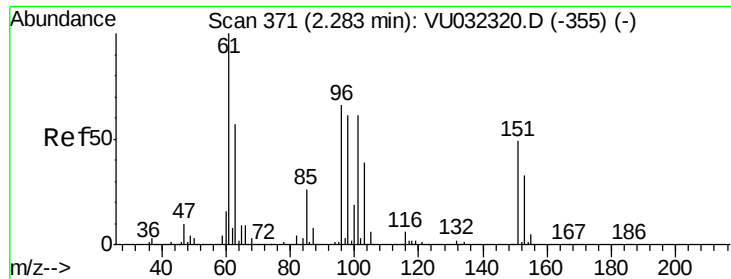
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed May 29 05:27:35 2019  
Response via : Initial Calibration





#10

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

Concen: 0.931 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032327.D

Acq: 28 May 2019 14:38

Instrument :

MSVOA\_U

ClientSampled :

BFHG6

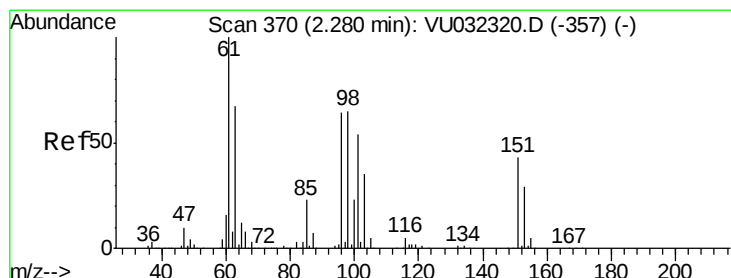
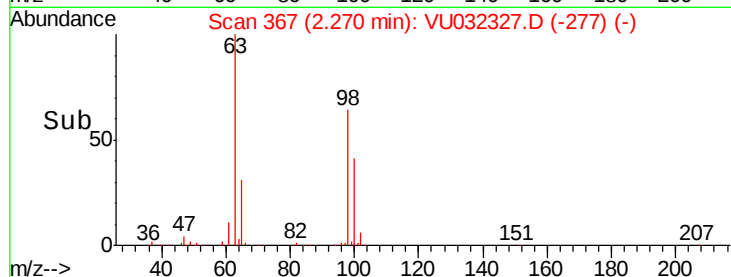
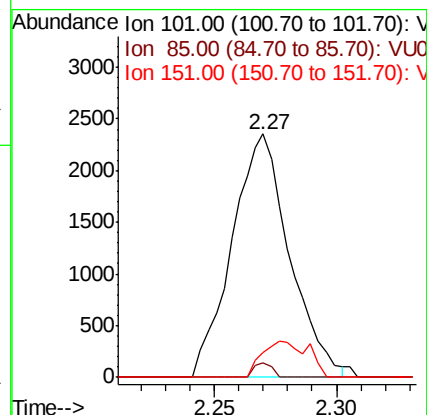
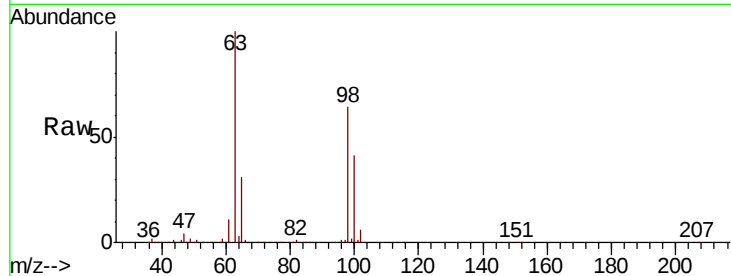
Tgt Ion: 101 Resp: 3844

Ion Ratio Lower Upper

101 100

85 1.9 33.4 50.0#

151 9.5 63.7 95.5#



#12

1,1-Dichloroethene

Concen: 0.640 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU032327.D

Acq: 28 May 2019 14:38

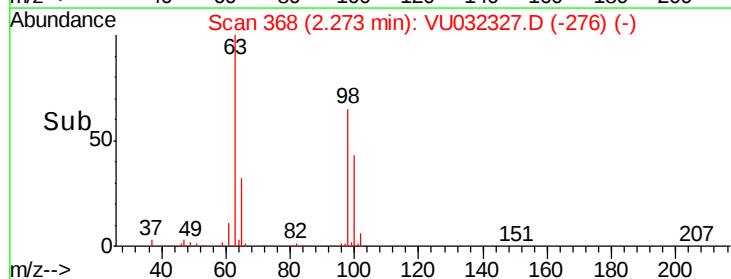
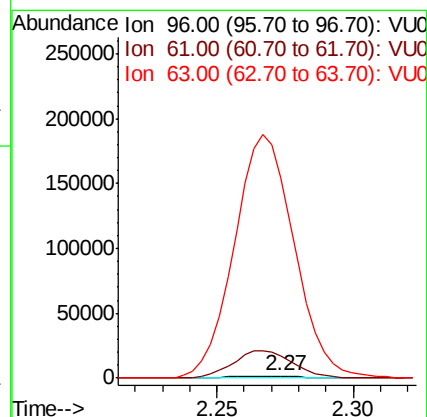
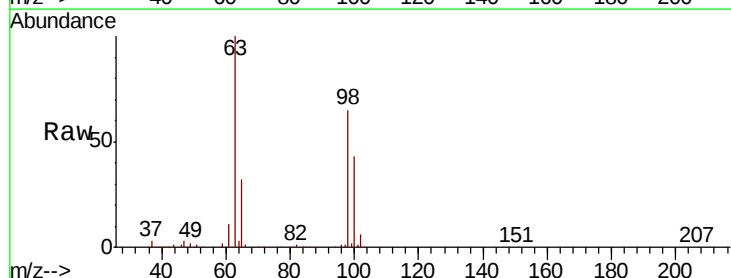
Tgt Ion: 96 Resp: 2694

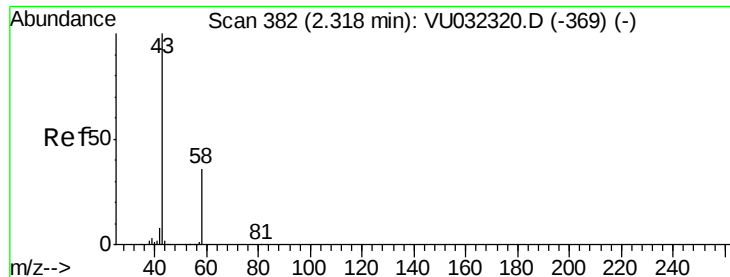
Ion Ratio Lower Upper

96 100

61 1161.1 109.8 203.8#

63 10656.4 74.4 138.2#





#13

Acetone

Concen: 3.953 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU032327.D

Acq: 28 May 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

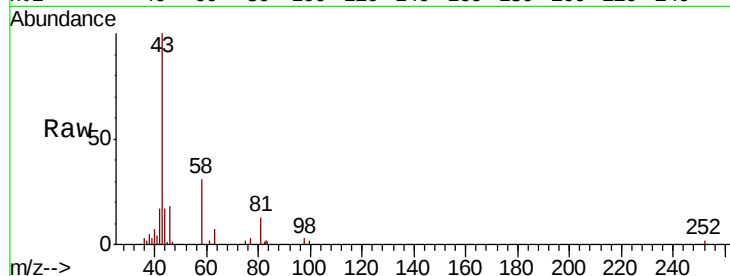
BFHG6

Tgt Ion: 43 Resp: 11752

Ion Ratio Lower Upper

43 100

58 30.1 0.0 73.6

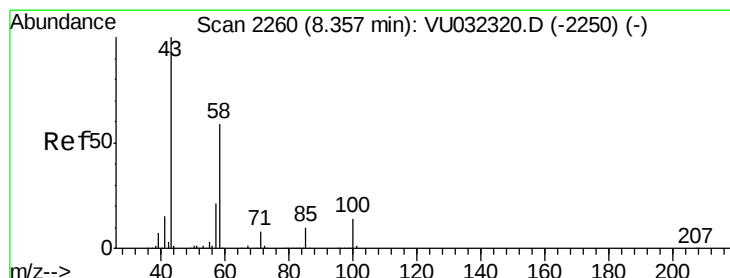
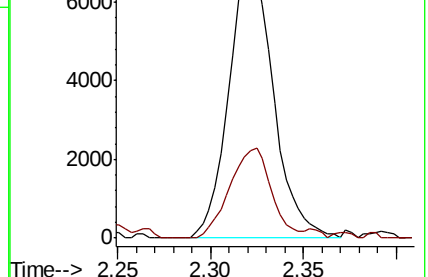
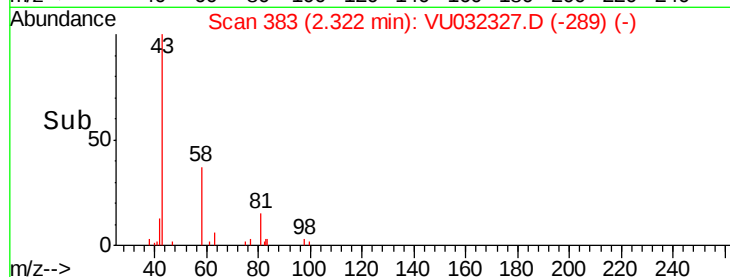


Abundance Ion 43.00 (42.70 to 43.70): VU032327.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU032327.D (-289) (-)

2.32

Time-->



#48

2-Hexanone

Concen: 3.535 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU032327.D

Acq: 28 May 2019 14:38

Tgt Ion: 43 Resp: 17519

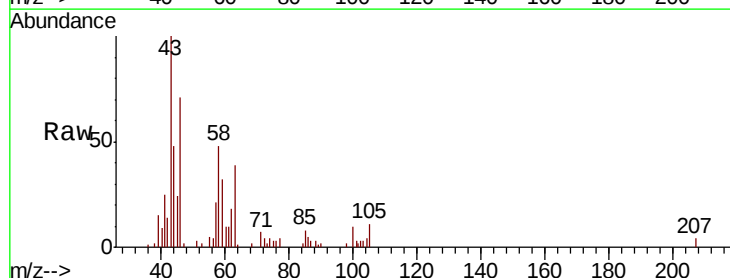
Ion Ratio Lower Upper

43 100

58 0.0 48.6 73.0#

57 5.8 17.0 25.4#

100 6.1 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VU032327.D (-2167) (-)

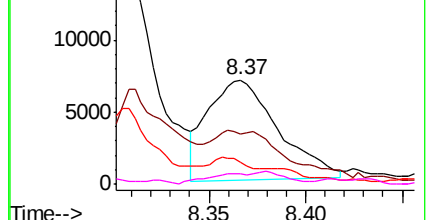
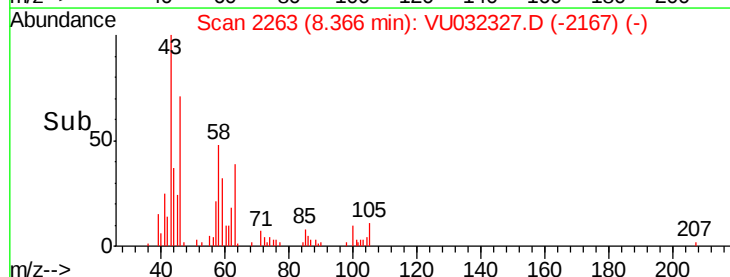
Ion 58.00 (57.70 to 58.70): VU032327.D (-2167) (-)

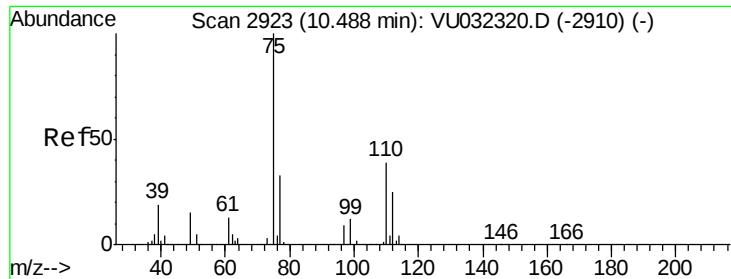
Ion 57.00 (56.70 to 57.70): VU032327.D (-2167) (-)

Ion 100.00 (99.70 to 100.70): VU032327.D (-2167) (-)

8.37

Time-->





#59

1,2,3-Trichloropropane

Concen: 4.813 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032327.D

Acq: 28 May 2019 14:38

Instrument :

MSVOA\_U

ClientSampleId :

BFHG6

Tgt Ion: 75 Resp: 29738

Ion Ratio Lower Upper

75 100

77 35.9 25.8 38.8

