

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU031519\  
 Data File : VU030017.D  
 Acq On : 13 Mar 2019 09:47  
 Operator : JC/SP  
 Sample : VU0315MBL01  
 Misc : 5.00g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK58

Quant Time: Mar 14 01:39:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 14 01:36:14 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 487788   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 472732   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 222609   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 162303   | 50.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 100.60% |
| 7) Chloroethane-d5             | 1.68    | 69    | 134700   | 51.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 103.44% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 223372   | 38.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.72%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 257234   | 106.41   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.41% |
| 24) Chloroform-d               | 4.65    | 84    | 295404   | 51.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.08% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 177140   | 52.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.96% |
| 32) Benzene-d6                 | 5.34    | 84    | 645771   | 53.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.14% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 199865   | 53.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 107.34% |
| 41) Toluene-d8                 | 7.56    | 98    | 588697   | 51.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.32% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 92494    | 51.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 102.54% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 226980   | 108.92   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 108.92% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 292695   | 51.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.28% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 234497   | 54.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.76% |

## Target Compounds

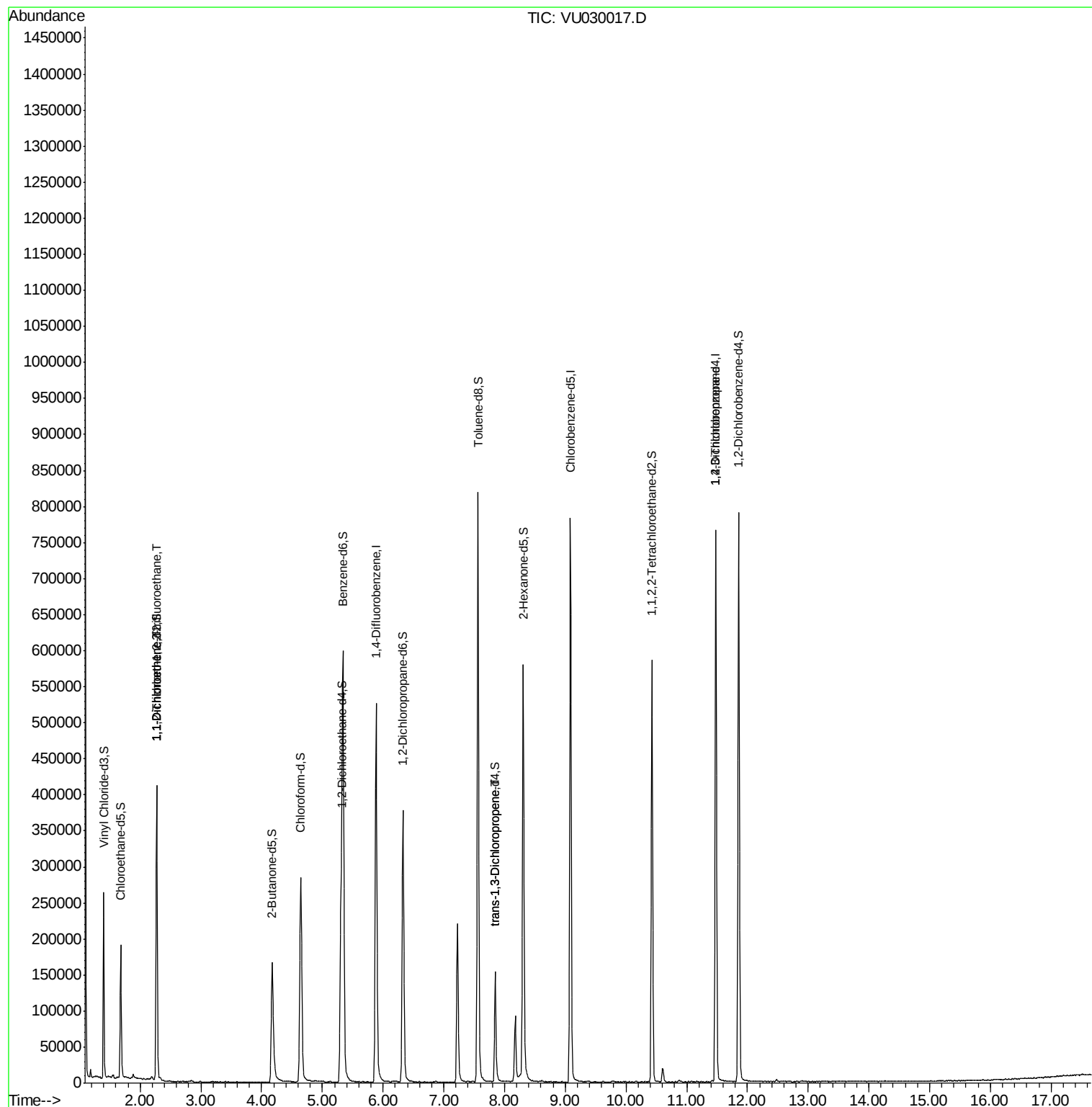
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 2429  | 0.758 ug/L # | 17     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 2087  | 0.683 ug/L # | 1      |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3335  | 0.660 ug/L # | 80     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 22336 | 4.820 ug/L   | 92     |

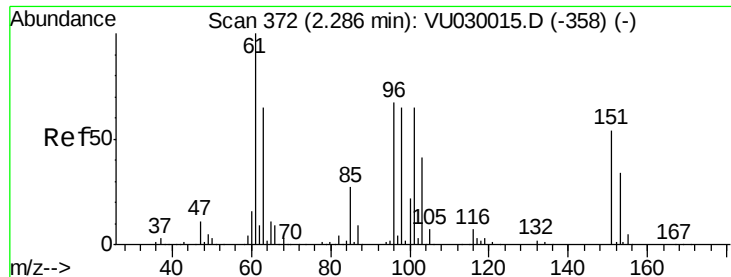
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 14 01:36:14 2019  
Response via : Initial Calibration





#10

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

Concen: 0.758 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030017.D

Acq: 13 Mar 2019 09:47

Instrument :

MSVOA\_U

ClientSampleId :

VBLK58

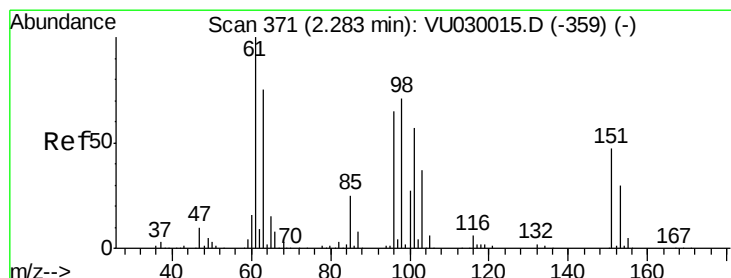
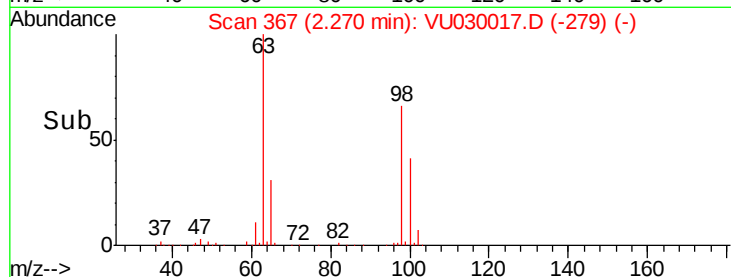
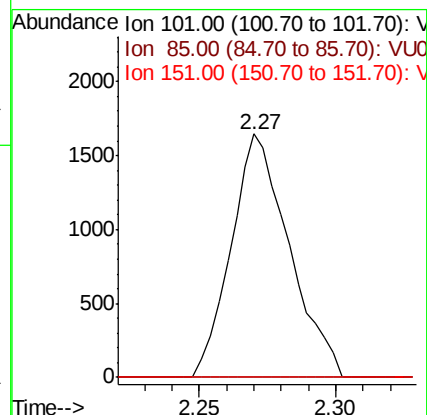
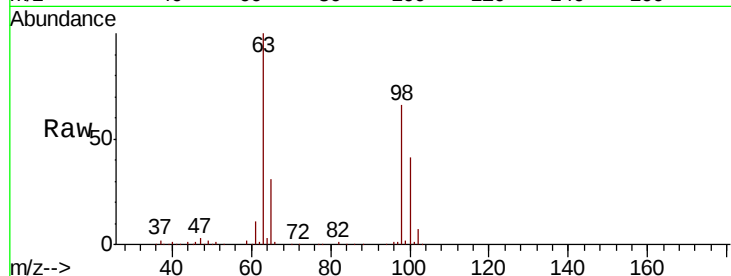
Tgt Ion: 101 Resp: 2429

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.4#

151 0.0 66.1 99.1#



#12

1,1-Dichloroethene

Concen: 0.683 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030017.D

Acq: 13 Mar 2019 09:47

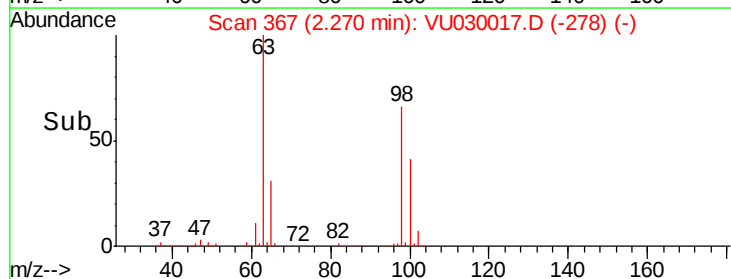
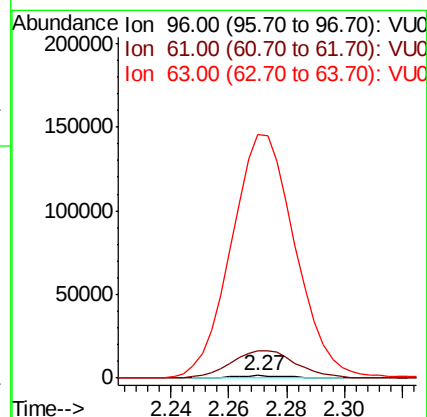
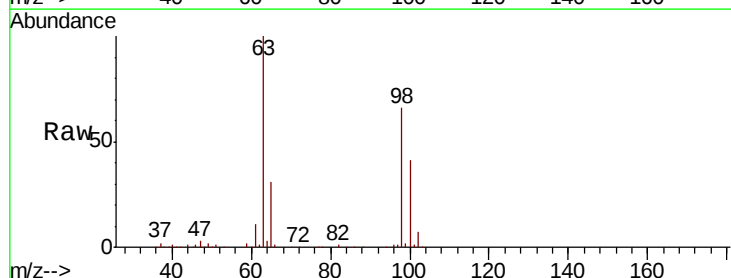
Tgt Ion: 96 Resp: 2087

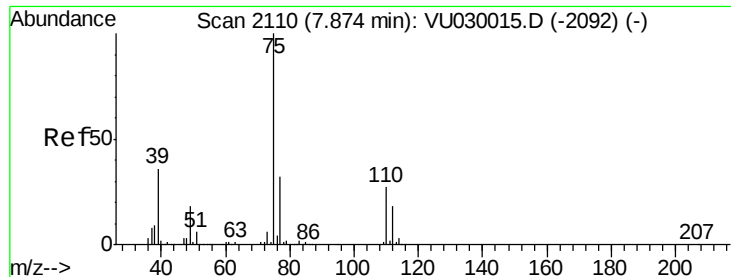
Ion Ratio Lower Upper

96 100

61 1143.5 110.4 205.0#

63 10208.6 86.5 160.7#





#44

trans-1,3-Dichloropropene

Concen: 0.660 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030017.D

Acq: 13 Mar 2019 09:47

Instrument :

MSVOA\_U

ClientSampleId :

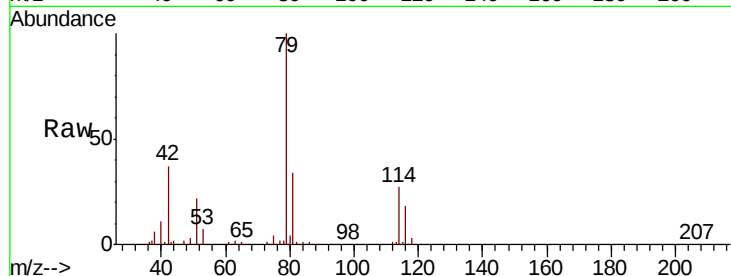
VBLK58

Tgt Ion: 75 Resp: 3335

Ion Ratio Lower Upper

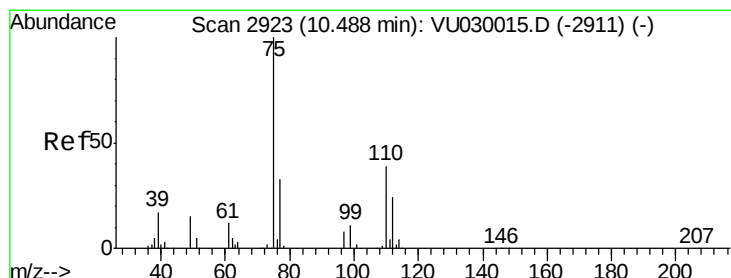
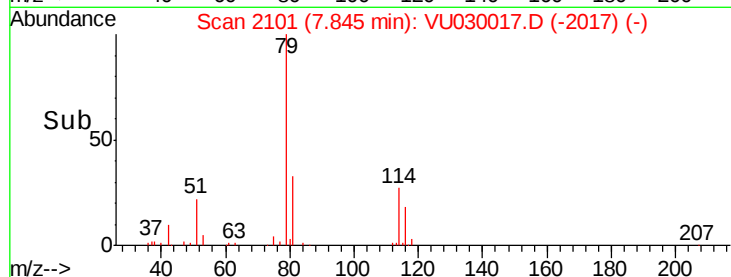
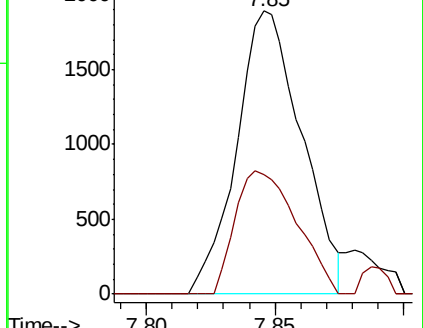
75 100

77 42.4 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU030015.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030015.D (-2092) (-)



#59

1,2,3-Trichloropropane

Concen: 4.820 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030017.D

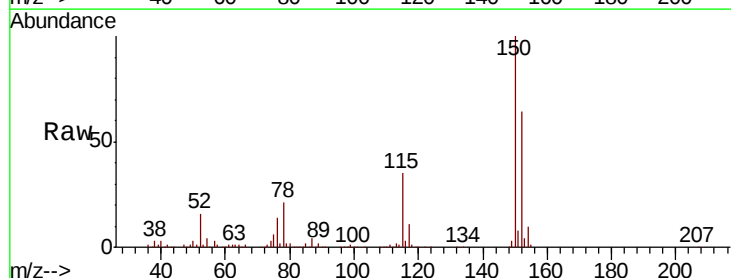
Acq: 13 Mar 2019 09:47

Tgt Ion: 75 Resp: 22336

Ion Ratio Lower Upper

75 100

77 36.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU030015.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU030015.D (-2911) (-)

