

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081219\  
 Data File : VU033763.D  
 Acq On : 12 Aug 2019 10:19  
 Operator : JC/SP  
 Sample : VU0812WBL01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 12 16:29:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Aug 12 16:26:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 386212   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 387597   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 177137   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 144470   | 50.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 101.64% |
| 7) Chloroethane-d5             | 1.67    | 69    | 125487   | 44.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.08%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 191055   | 39.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.94%  |
| 21) 2-Butanone-d5              | 4.14    | 46    | 215584   | 122.32   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 122.32% |
| 24) Chloroform-d               | 4.62    | 84    | 232316   | 55.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.00% |
| 26) 1,2-Dichloroethane-d4      | 5.28    | 65    | 148201   | 56.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 112.22% |
| 32) Benzene-d6                 | 5.32    | 84    | 473014   | 51.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.42% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 149034   | 53.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 106.18% |
| 41) Toluene-d8                 | 7.55    | 98    | 417127   | 48.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.96%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 67243    | 47.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.88%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 153613   | 105.65   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 105.65% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 224452   | 54.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 108.10% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 161243   | 54.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.18% |

## Target Compounds

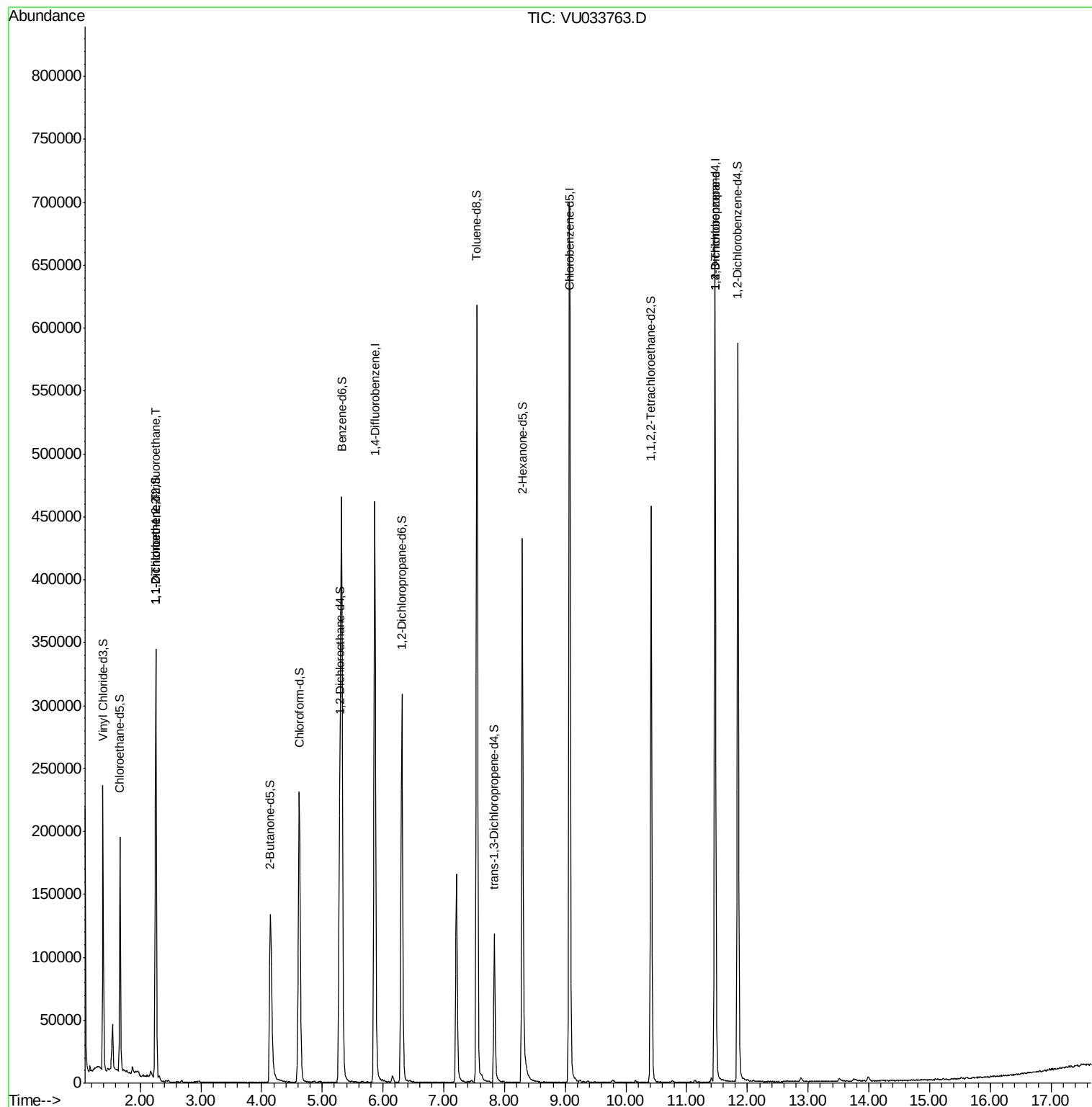
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.26  | 101 | 1805  | 0.781 ug/L # | 20     |
| 12) 1,1-Dichloroethene         | 2.26  | 96  | 1779  | 0.783 ug/L # | 1      |
| 59) 1,2,3-Trichloropropane     | 11.47 | 75  | 21725 | 5.582 ug/L   | 96     |

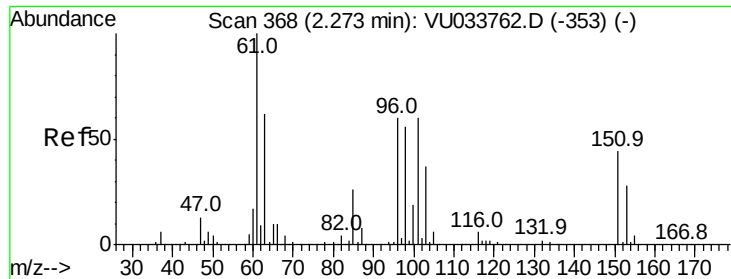
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_U  
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QLast Update : Mon Aug 12 16:26:52 2019  
Response via : Initial Calibration





#10

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

Concen: 0.781 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033763.D

Acq: 12 Aug 2019 10:19

Instrument :

MSVOA\_U

ClientSampleId :

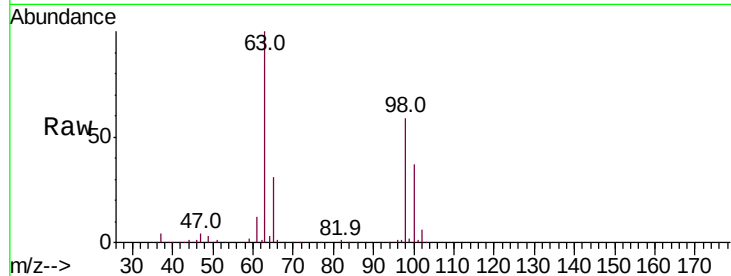
Tot Ion:101 Resp: 1805

Ion Ratio Lower Upper

101 100

85 2.8 34.5 51.7#

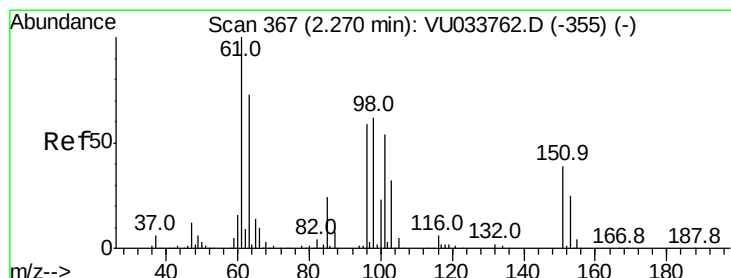
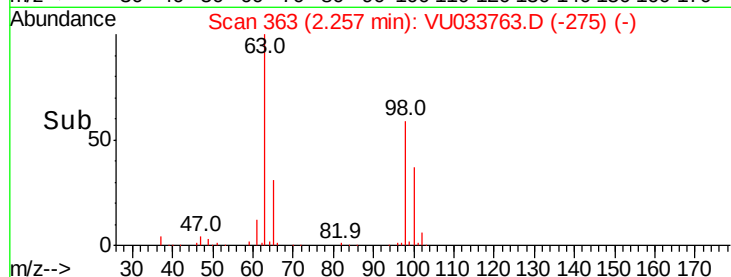
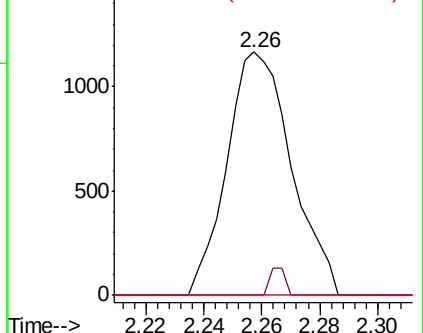
151 0.0 63.0 94.4#



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: 0.783 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033763.D

Acq: 12 Aug 2019 10:19

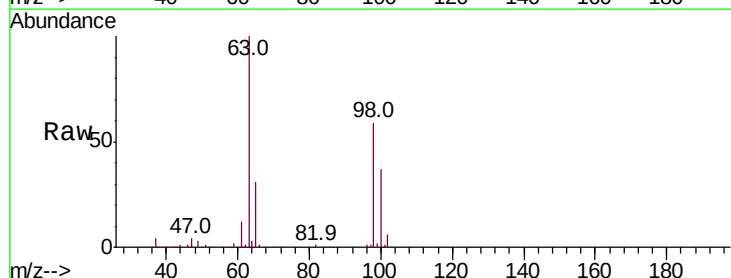
Tgt Ion: 96 Resp: 1779

Ion Ratio Lower Upper

96 100

61 1449.5 118.2 219.6#

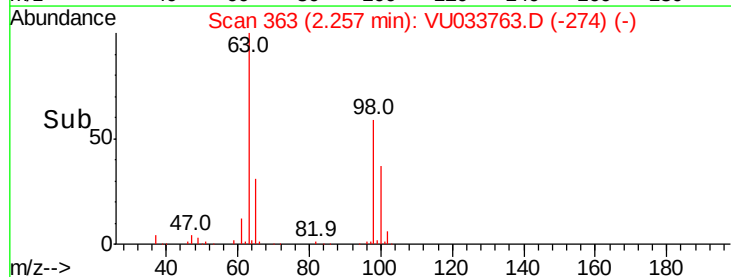
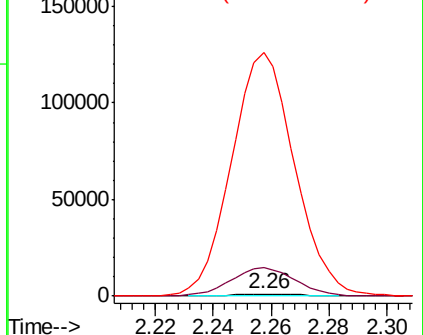
63 12495.5 90.7 168.5#

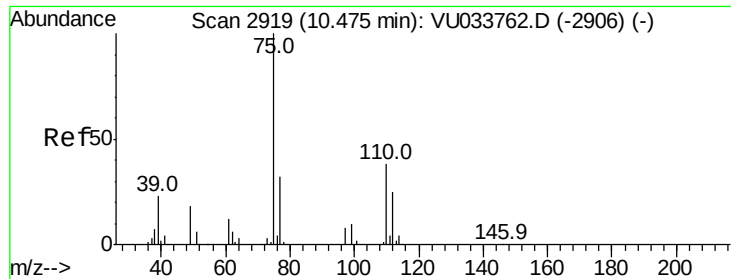


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.582 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033763.D

Acq: 12 Aug 2019 10:19

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 75 Resp: 21725

Ion Ratio Lower Upper

75 100

77 35.5 26.4 39.6

