

Data File : VU033650.D  
Acq On : 08 Aug 2019 20:05  
Operator : JC/SP  
Sample : K4161-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
ETOE0

Quant Time: Aug 09 07:44:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080819WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Aug 09 07:39:51 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 300921   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 306093   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 139044   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |                |     |            |        |      |      |
|--------------------------------|----------------|-----|------------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.39           | 65  | 148533     | 43.72  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 135 |     | Recovery = | 87.44% |      |      |
| 7) Chloroethane-d5             | 1.67           | 69  | 125263     | 43.56  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 130 |     | Recovery = | 87.12% |      |      |
| 11) 1,1-Dichloroethene-d2      | 2.26           | 63  | 192227     | 35.00  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 70.00% |      |      |
| 21) 2-Butanone-d5              | 4.15           | 46  | 207656     | 83.47  | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 40 - 130 |     | Recovery = | 83.47% |      |      |
| 24) Chloroform-d               | 4.62           | 84  | 237379     | 42.17  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 84.34% |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.29           | 65  | 155232     | 42.76  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 85.52% |      |      |
| 32) Benzene-d6                 | 5.32           | 84  | 483816     | 42.39  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 84.78% |      |      |
| 36) 1,2-Dichloropropane-d6     | 6.31           | 67  | 154437     | 42.55  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 120 |     | Recovery = | 85.10% |      |      |
| 41) Toluene-d8                 | 7.55           | 98  | 439421     | 41.64  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 83.28% |      |      |
| 43) trans-1,3-Dichloropropene- | 7.83           | 79  | 70136      | 39.48  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 78.96% |      |      |
| 47) 2-Hexanone-d5              | 8.29           | 63  | 148673     | 81.82  | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 45 - 130 |     | Recovery = | 81.82% |      |      |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41          | 84  | 225731     | 39.76  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 65 - 120 |     | Recovery = | 79.52% |      |      |
| 64) 1,2-Dichlorobenzene-d4     | 11.85          | 152 | 168999     | 44.49  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 88.98% |      |      |

#### Target Compounds

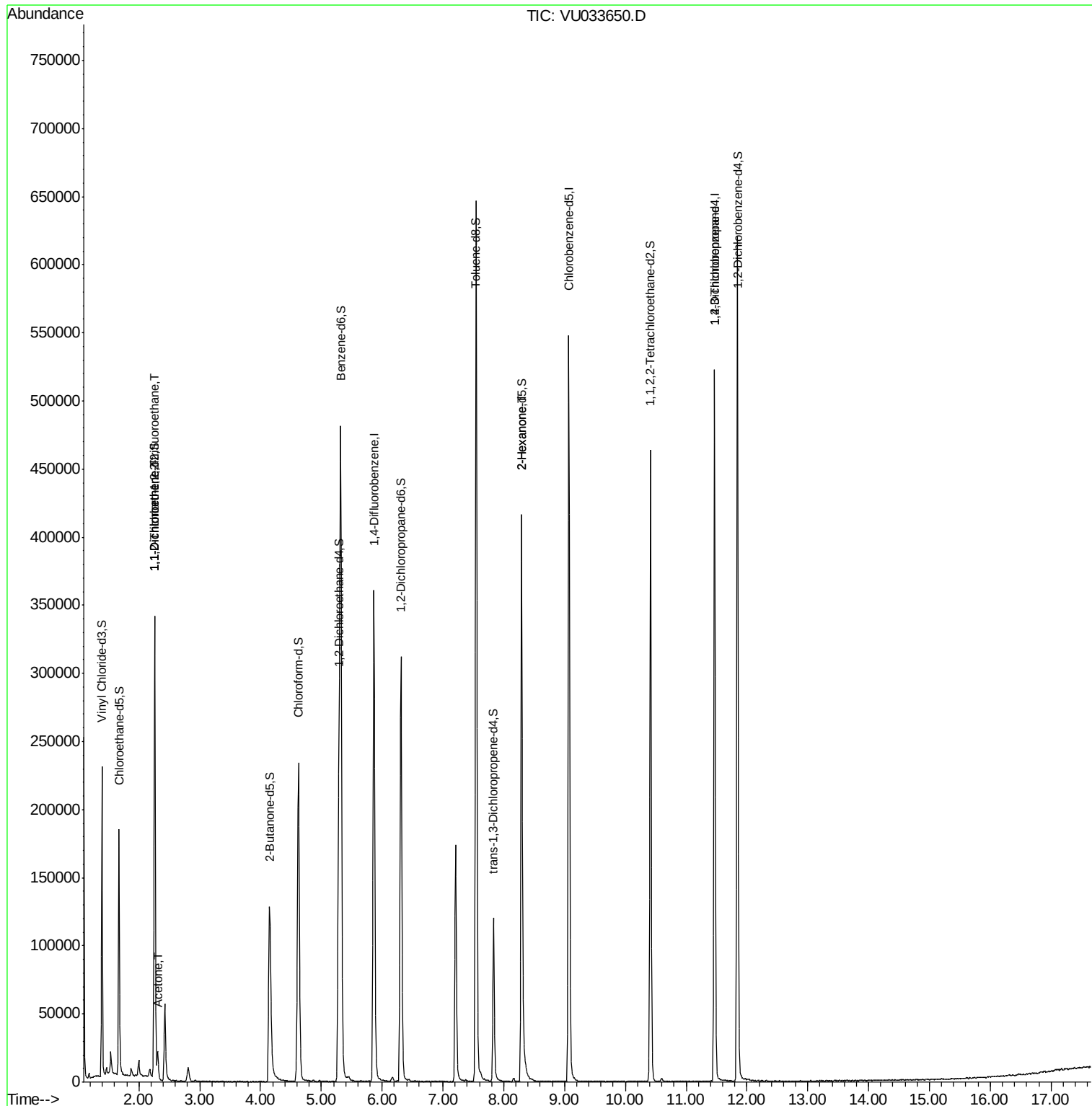
|                                |       |     |       |        | Qvalue |     |
|--------------------------------|-------|-----|-------|--------|--------|-----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.26  | 101 | 1915  | 0.859  | ug/L # | 19  |
| 12) 1,1-Dichloroethene         | 2.26  | 96  | 1821  | 0.855  | ug/L # | 1   |
| 13) Acetone                    | 2.31  | 43  | 20145 | 11.903 | ug/L   | 100 |
| 48) 2-Hexanone                 | 8.30  | 43  | 17430 | 5.580  | ug/L # | 71  |
| 59) 1,2,3-Trichloropropane     | 11.47 | 75  | 17260 | 4.840  | ug/L   | 99  |

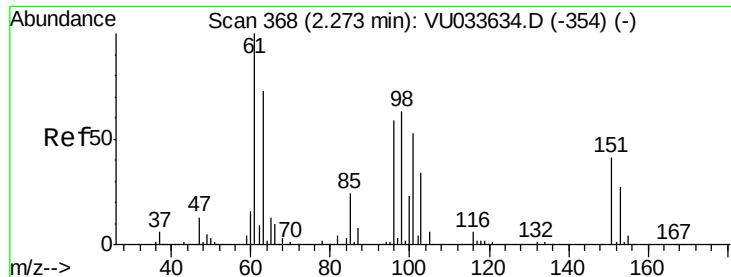
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.859 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

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MSVOA\_U

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ETOE0

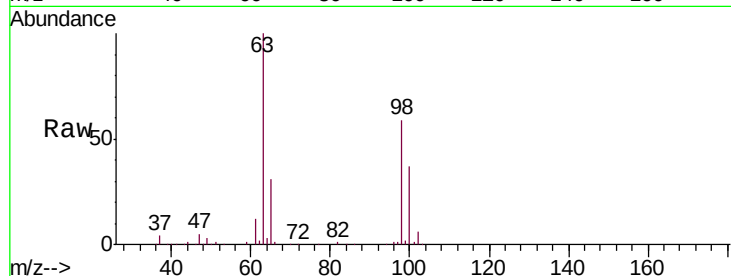
Tgt Ion: 101 Resp: 1915

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

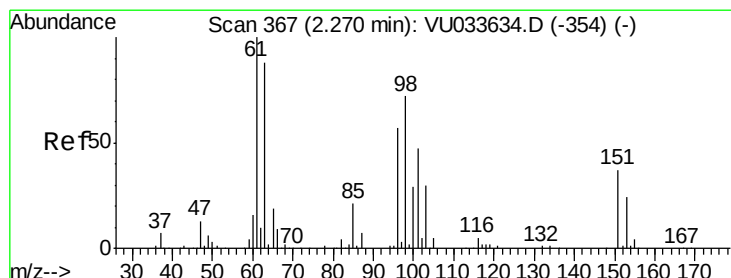
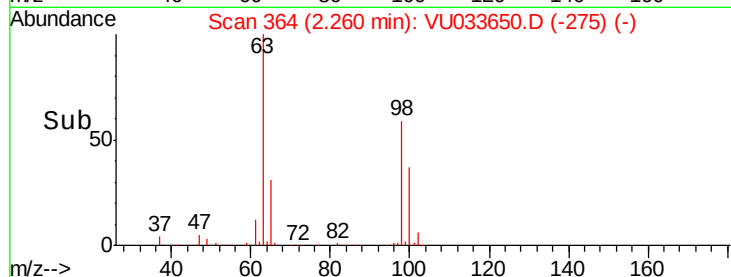
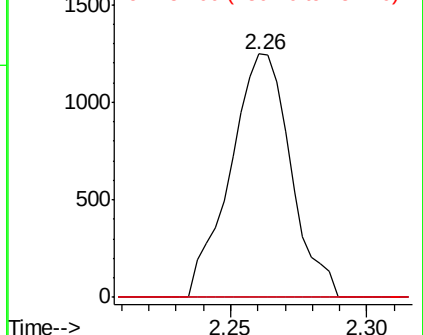
151 0.0 60.4 90.6#



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: 0.855 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033650.D

Acq: 08 Aug 2019 20:05

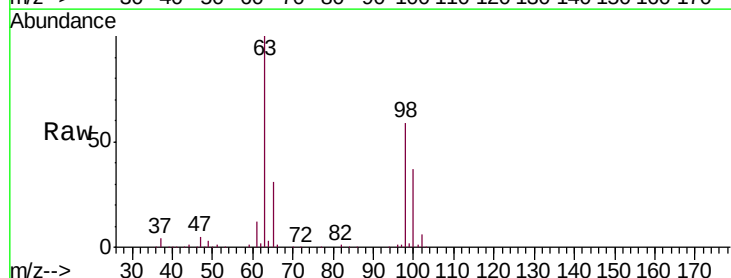
Tgt Ion: 96 Resp: 1821

Ion Ratio Lower Upper

96 100

61 1257.3 124.0 230.2#

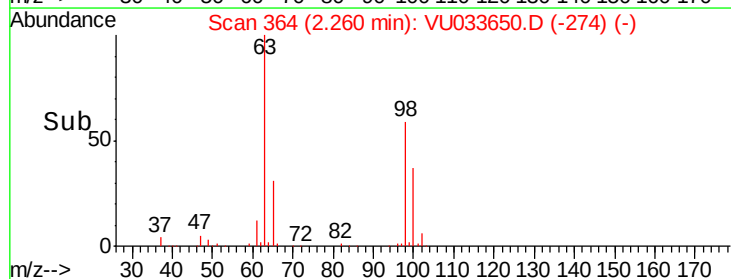
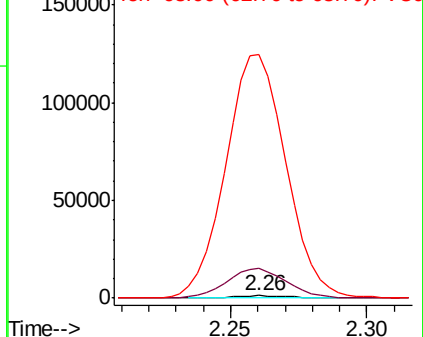
63 10402.7 114.9 213.5#

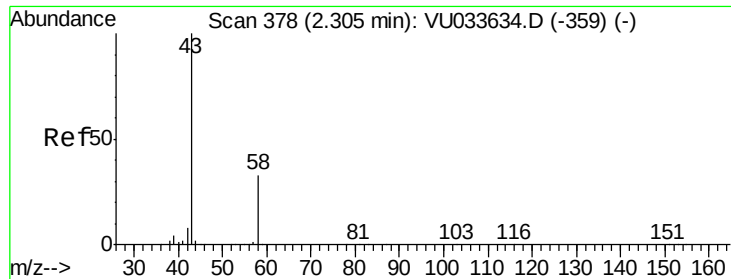


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.903 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

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MSVOA\_U

ClientSampleId :

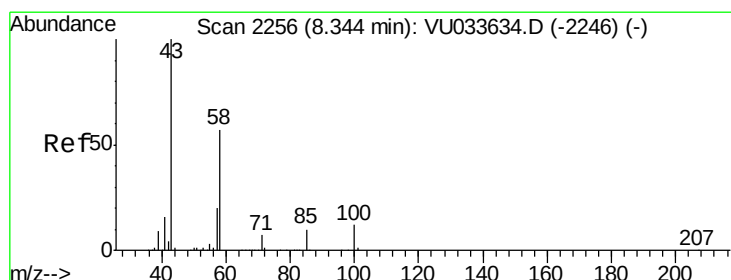
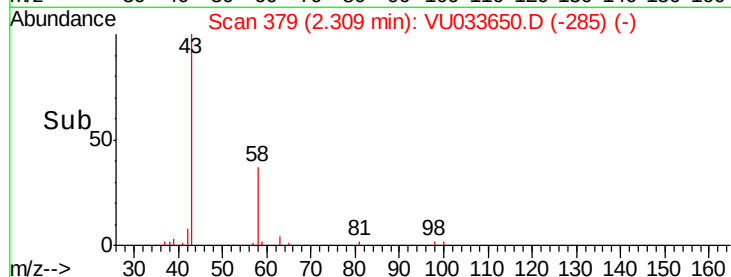
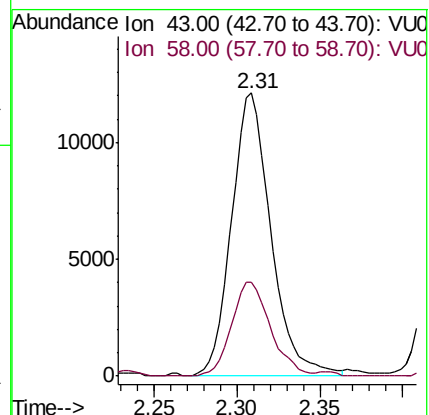
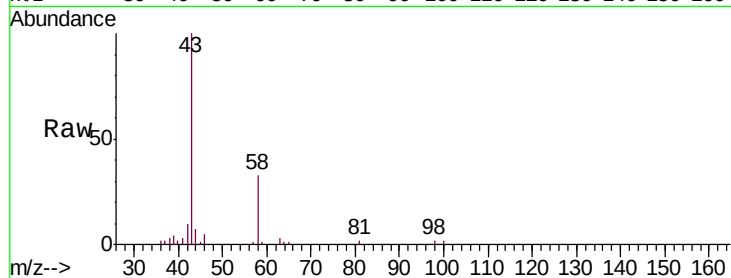
ETOE0

Tgt Ion: 43 Resp: 20145

Ion Ratio Lower Upper

43 100

58 32.6 0.0 65.0



#48

2-Hexanone

Concen: 5.580 ug/L

RT: 8.30 min Scan# 2241

Delta R.T. -0.05 min

Lab File: VU033650.D

Acq: 08 Aug 2019 20:05

Tgt Ion: 43 Resp: 17430

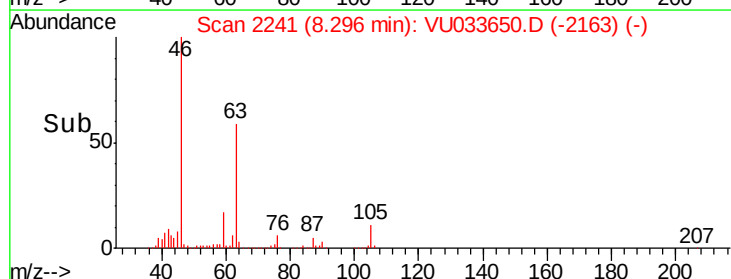
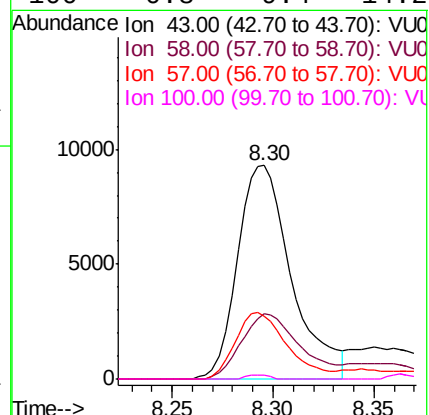
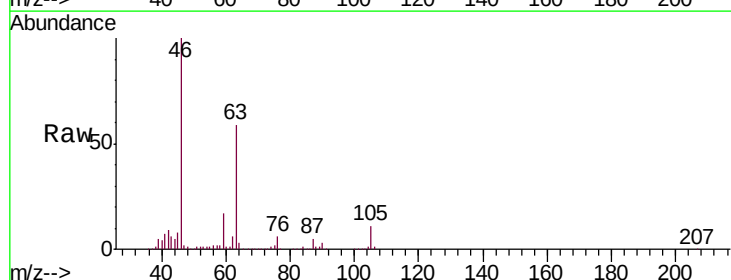
Ion Ratio Lower Upper

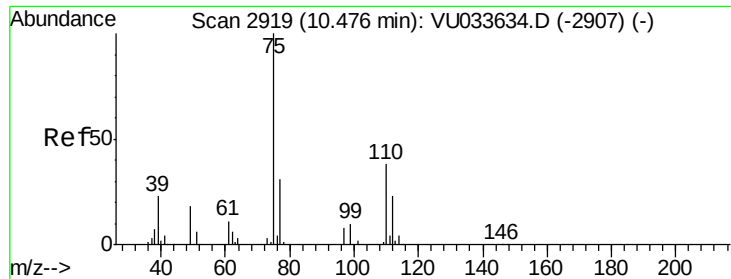
43 100

58 32.7 44.8 67.2#

57 29.8 15.5 23.3#

100 0.8 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 4.840 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033650.D

Acq: 08 Aug 2019 20:05

Instrument :

MSVOA\_U

ClientSampleId :

ETOE0

Tgt Ion: 75 Resp: 17260

Ion Ratio Lower Upper

75 100

77 32.7 25.5 38.3

