

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030620\  
 Data File : VU037121.D  
 Acq On : 06 Mar 2020 20:04  
 Operator : JC/MD  
 Sample : L1834-05  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 07 00:04:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM022420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 06 23:54:55 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 253466   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 244183   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 87822    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 87342    | 41.03    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 82.06% |
| 7) Chloroethane-d5             | 1.93    | 69    | 81246    | 46.13    | ug/L | 0.01   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.26% |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 116187   | 32.60    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.20% |
| 21) 2-Butanone-d5              | 4.67    | 46    | 136407   | 95.54    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.54% |
| 24) Chloroform-d               | 5.10    | 84    | 150333   | 46.25    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.50% |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 101876   | 46.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.62% |
| 32) Benzene-d6                 | 5.76    | 84    | 322184   | 45.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.26% |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 107029   | 46.78    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.56% |
| 41) Toluene-d8                 | 7.92    | 98    | 280107   | 42.76    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.52% |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 42461    | 39.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.88% |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 92073    | 82.31    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 82.31% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 146588   | 45.45    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.90% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 82986    | 48.34    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.68% |

## Target Compounds

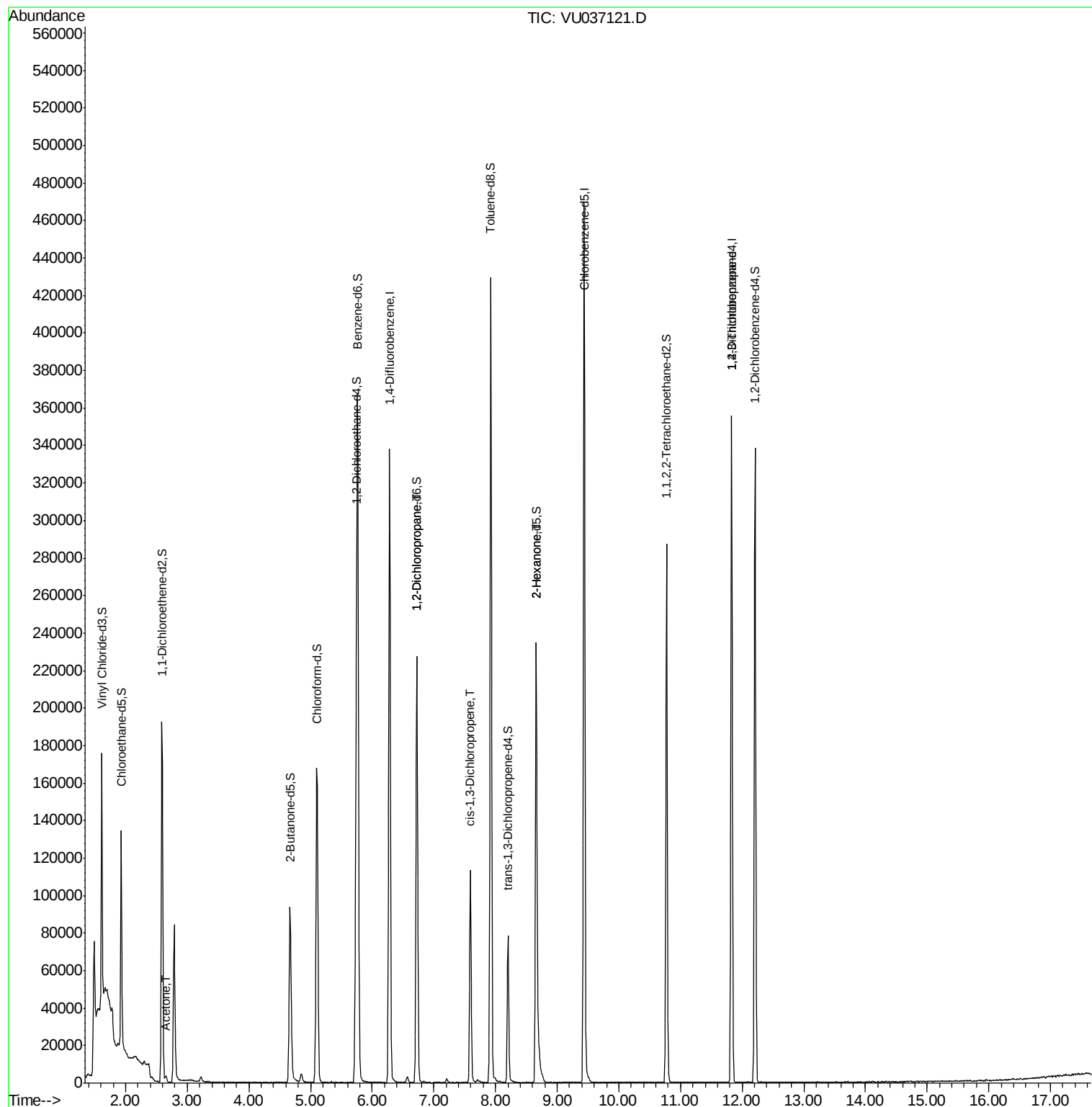
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 2.66  | 43 | 3860  | 2.628 ug/L   | 96     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 11682 | 5.624 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 2690  | 0.841 ug/L # | 63     |
| 48) 2-Hexanone              | 8.66  | 43 | 10598 | 4.339 ug/L # | 72     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 13779 | 5.157 ug/L   | 97     |

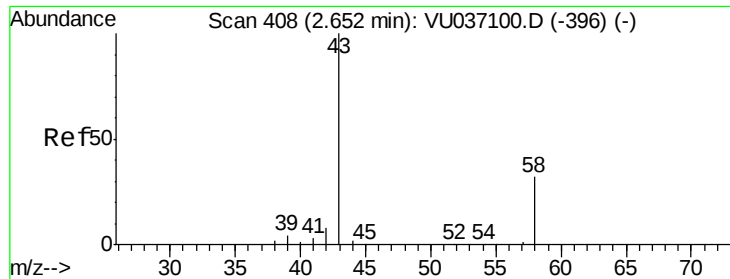
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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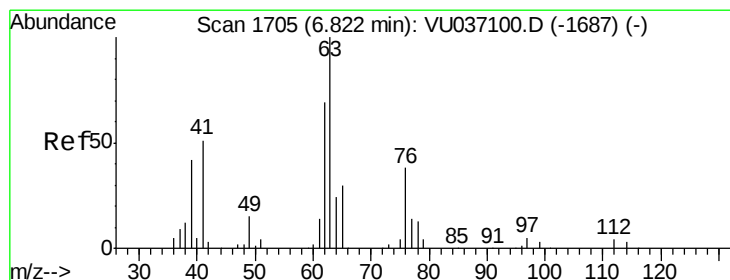
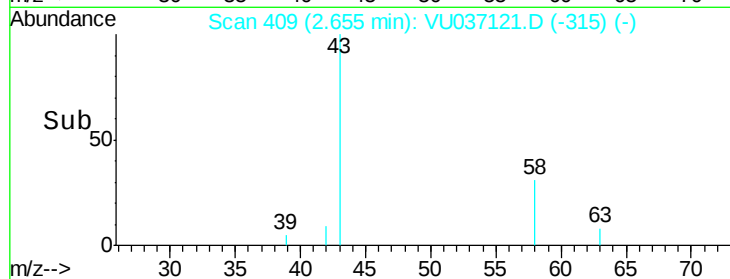
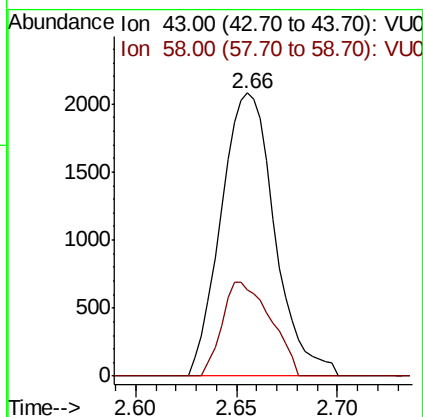
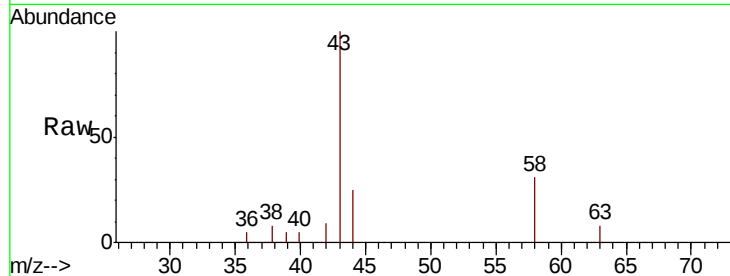




#13  
Acetone  
Concen: 2.628 ug/L  
RT: 2.66 min Scan# 409  
Delta R.T. 0.00 min  
Lab File: VU037121.D  
Acq: 06 Mar 2020 20:04

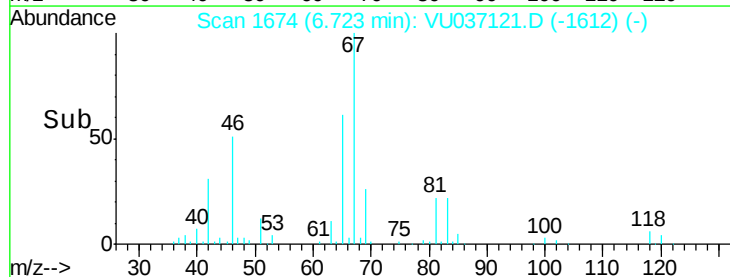
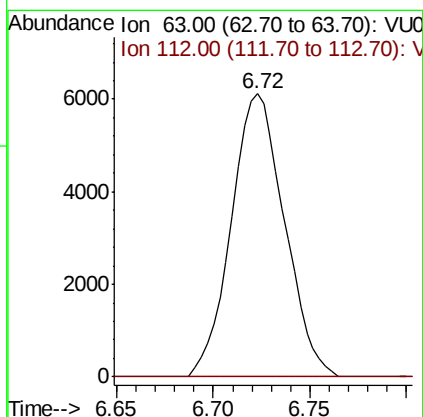
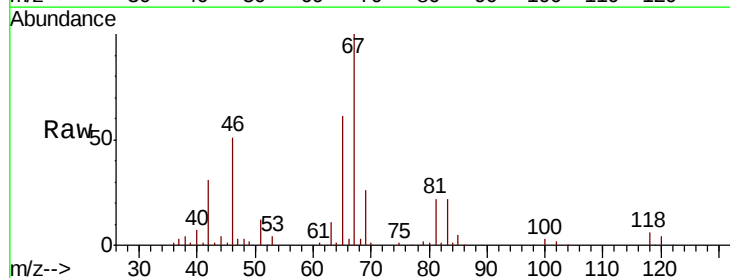
Instrument :  
MSVOA\_U  
ClientSampleId :

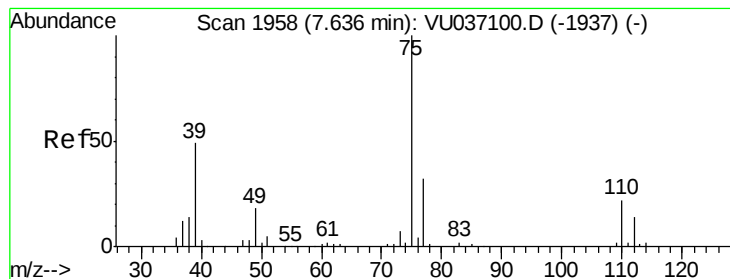
Tot Ion: 43 Resp: 3860  
Ion Ratio Lower Upper  
43 100  
58 30.1 0.0 64.6



#37  
1,2-Dichloropropane  
Concen: 5.624 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.10 min  
Lab File: VU037121.D  
Acq: 06 Mar 2020 20:04

Tgt Ion: 63 Resp: 11682  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.6#



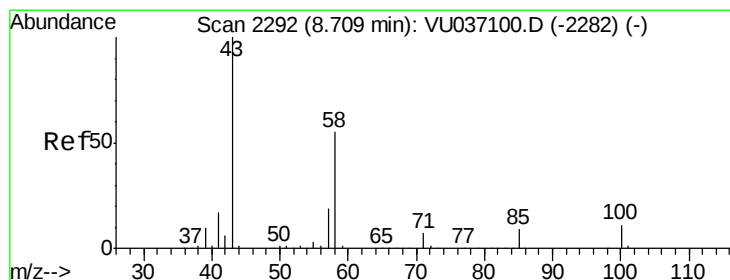
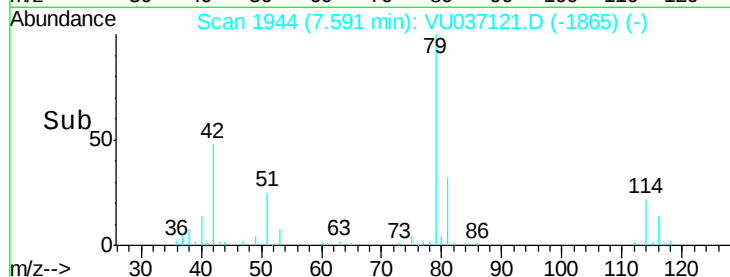
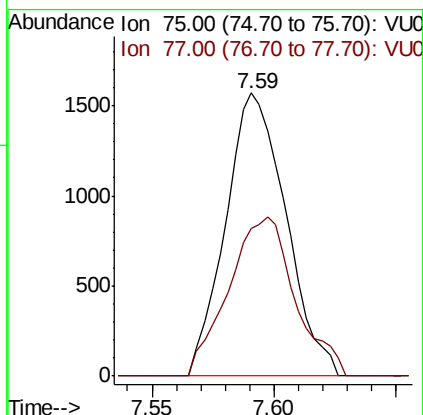
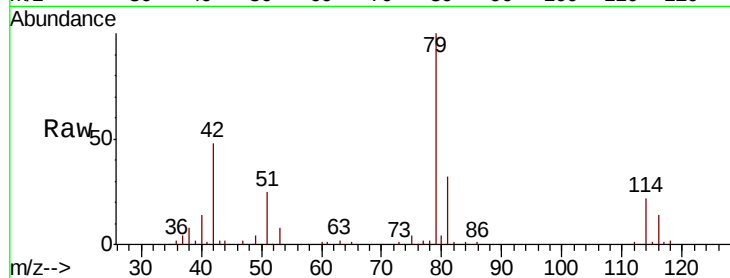


#39

cis-1,3-Dichloropropene  
Concen: 0.841 ug/L  
RT: 7.59 min Scan# 1944  
Delta R.T. -0.04 min  
Lab File: VU037121.D  
Acq: 06 Mar 2020 20:04

Instrument :  
MSVOA\_U  
ClientSampleId :

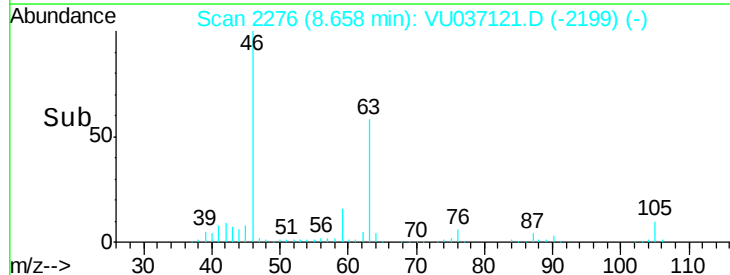
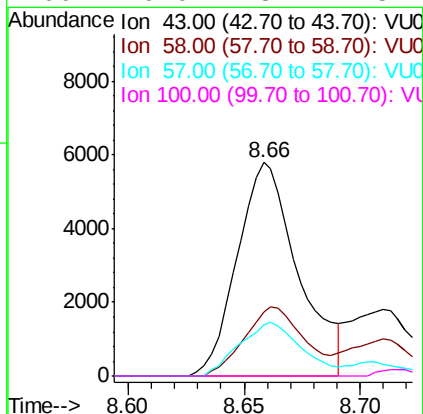
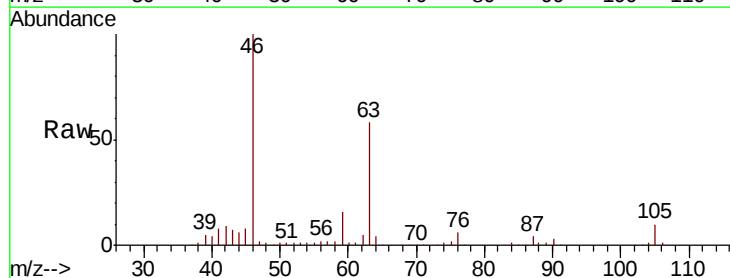
Tot Ion: 75 Resp: 2690  
Ion Ratio Lower Upper  
75 100  
77 52.2 22.0 41.0#

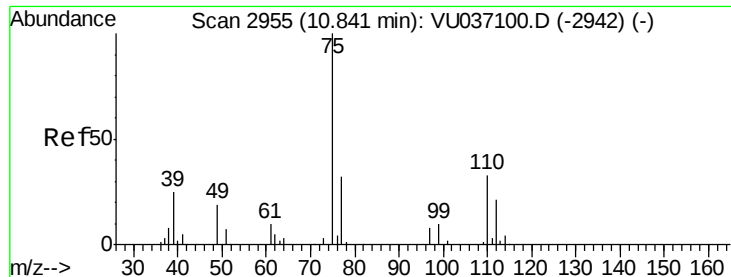


#48

2-Hexanone  
Concen: 4.339 ug/L  
RT: 8.66 min Scan# 2276  
Delta R.T. -0.05 min  
Lab File: VU037121.D  
Acq: 06 Mar 2020 20:04

Tgt Ion: 43 Resp: 10598  
Ion Ratio Lower Upper  
43 100  
58 31.5 43.5 65.3#  
57 25.5 15.1 22.7#  
100 0.0 8.7 13.1#





#59

1,2,3-Trichloropropane

Concen: 5.157 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU037121.D

Acq: 06 Mar 2020 20:04

Instrument :

MSVOA\_U

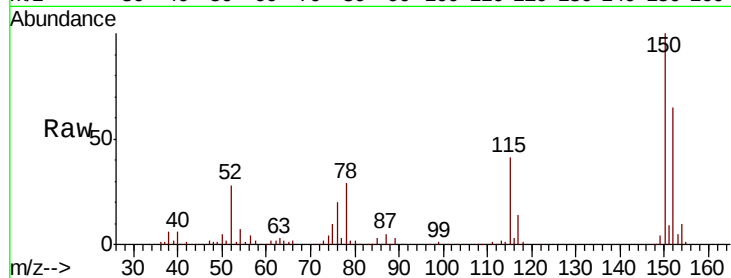
ClientSampleId :

Tot Ion: 75 Resp: 13779

Ion Ratio Lower Upper

75 100

77 34.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

