

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\  
 Data File : VU037959.D  
 Acq On : 30 Apr 2020 18:50  
 Operator : JC/MD  
 Sample : L2396-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 01 02:21:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM043020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 01 02:16:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 684301   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 671192   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 304393   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 257406   | 42.77    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.54% |
| 7) Chloroethane-d5             | 1.93    | 69    | 217597   | 44.44    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.88% |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 323979   | 32.90    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.80% |
| 21) 2-Butanone-d5              | 4.66    | 46    | 397658   | 84.53    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 84.53% |
| 24) Chloroform-d               | 5.10    | 84    | 405214   | 43.47    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.94% |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 295763   | 45.68    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.36% |
| 32) Benzene-d6                 | 5.76    | 84    | 910090   | 46.00    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.00% |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 298298   | 45.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.96% |
| 41) Toluene-d8                 | 7.92    | 98    | 814141   | 44.86    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.72% |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 133957   | 43.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.10% |
| 47) 2-Hexanone-d5              | 8.65    | 63    | 271589   | 95.20    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.20% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 408827   | 43.25    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.50% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 289860   | 45.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.10% |

## Target Compounds

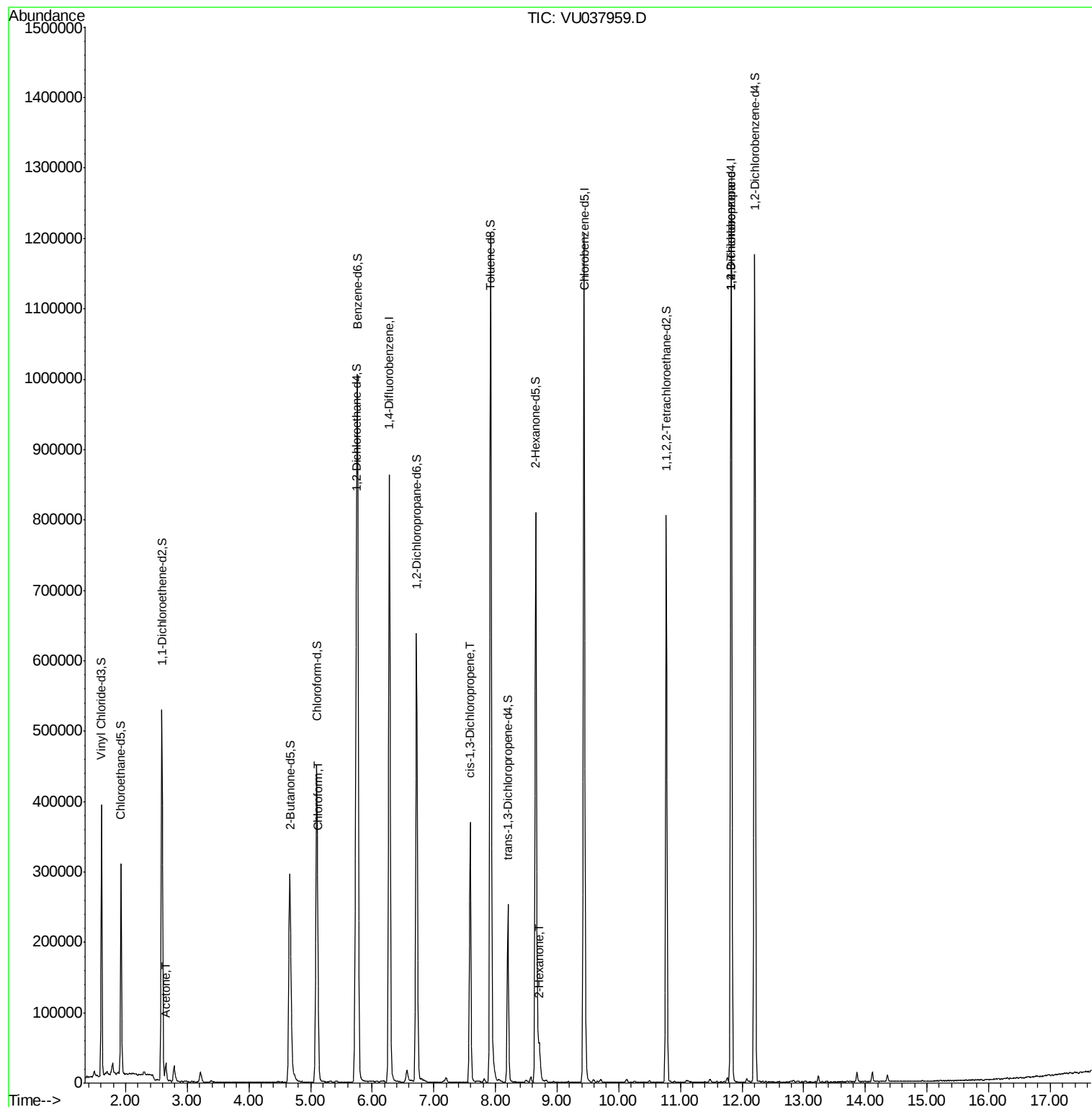
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 2.65  | 43 | 28551 | 9.423 ug/L   | 98     |
| 25) Chloroform              | 5.12  | 83 | 16807 | 1.816 ug/L   | 98     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 8115  | 0.944 ug/L # | 49     |
| 48) 2-Hexanone              | 8.71  | 43 | 36467 | 4.868 ug/L # | 79     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 44830 | 5.764 ug/L   | 96     |

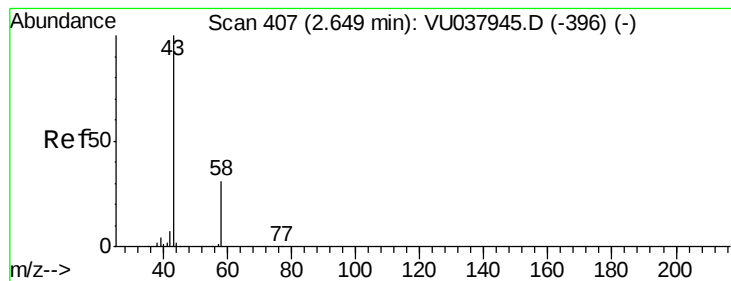
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: May 01 02:21:02 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM043020WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 01 02:16:47 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 9.423 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037959.D

Acq: 30 Apr 2020 18:50

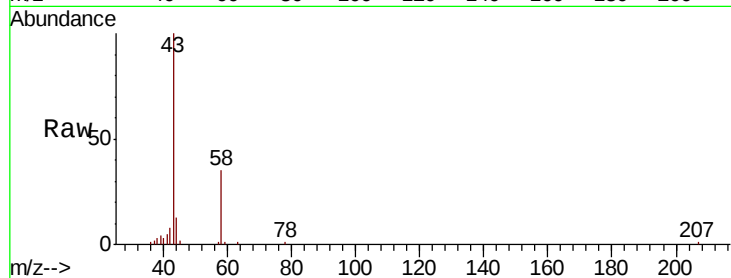
Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 43 Resp: 28551

Ion Ratio Lower Upper

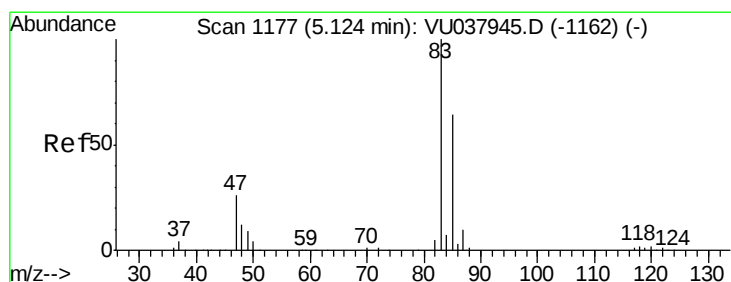
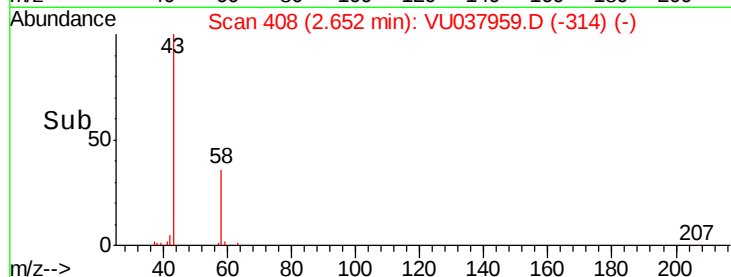
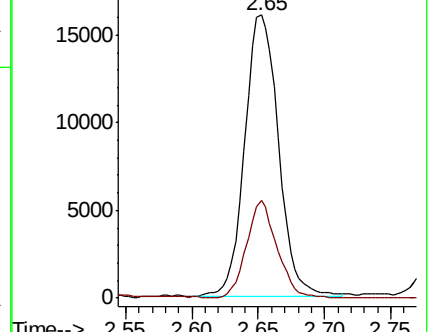
43 100

58 31.1 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU037945.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037945.D (-396) (-)



#25

Chloroform

Concen: 1.816 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VU037959.D

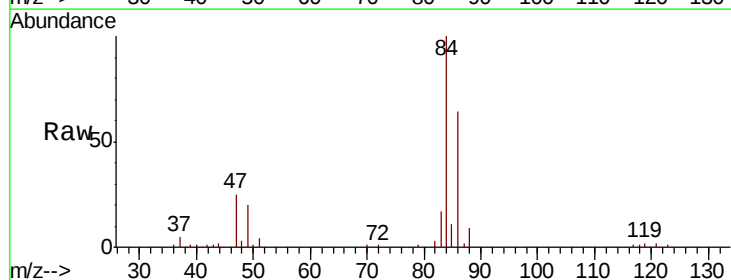
Acq: 30 Apr 2020 18:50

Tgt Ion: 83 Resp: 16807

Ion Ratio Lower Upper

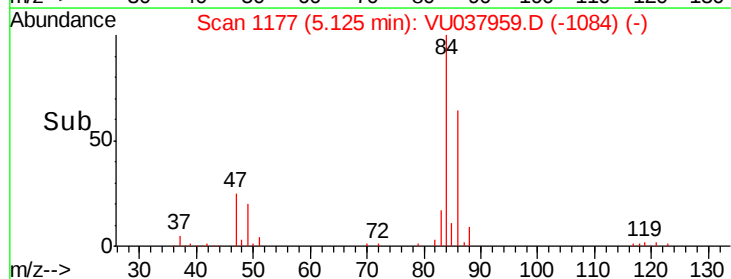
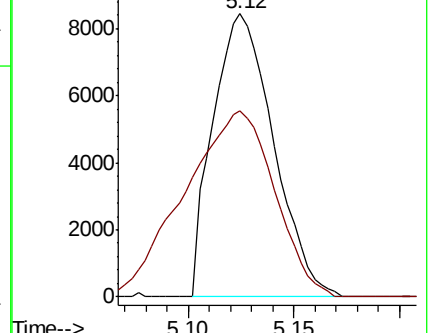
83 100

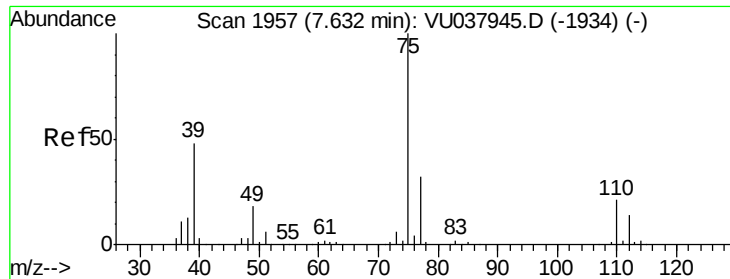
85 65.8 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VU037945.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU037945.D (-1162) (-)

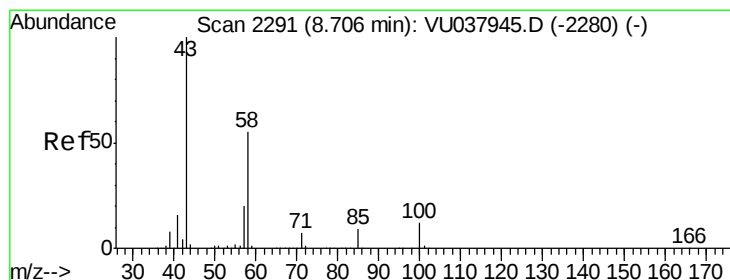
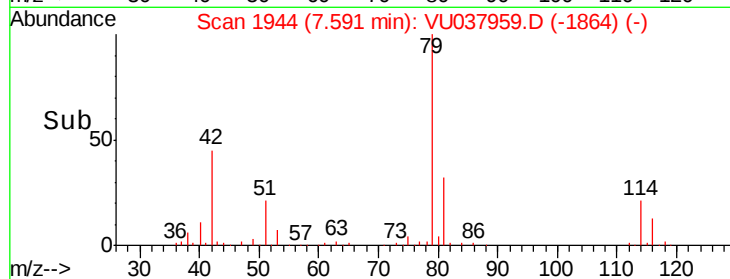
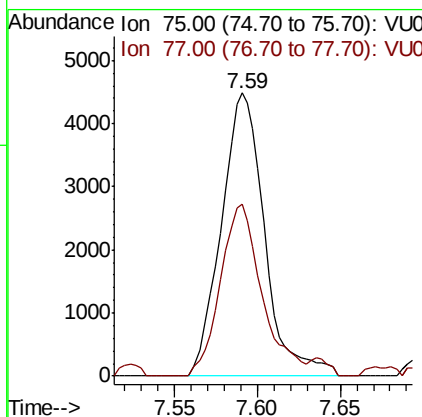
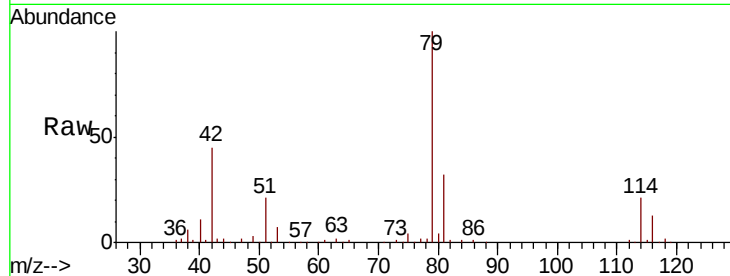




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.944 ug/L  
 RT: 7.59 min Scan# 1944  
 Delta R.T. -0.04 min  
 Lab File: VU037959.D  
 Acq: 30 Apr 2020 18:50

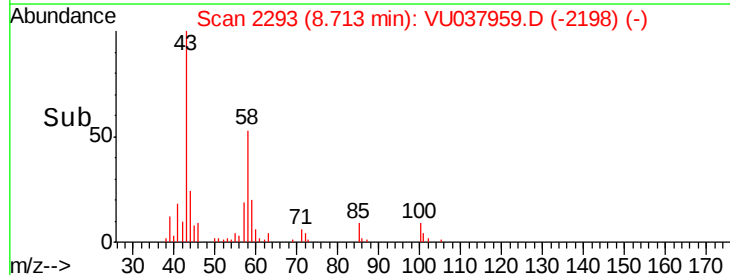
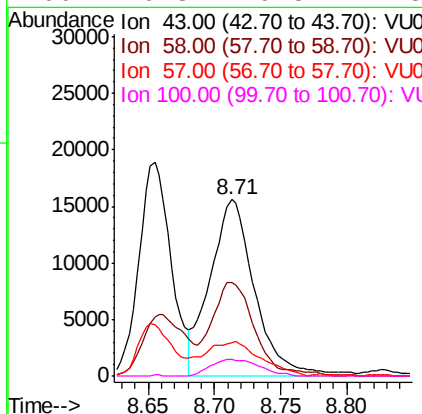
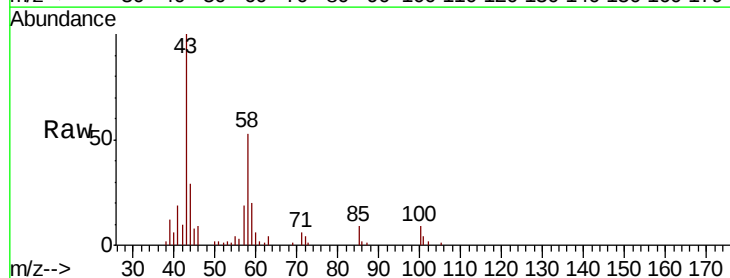
Instrument :  
 MSVOA\_U  
 ClientSampleId :

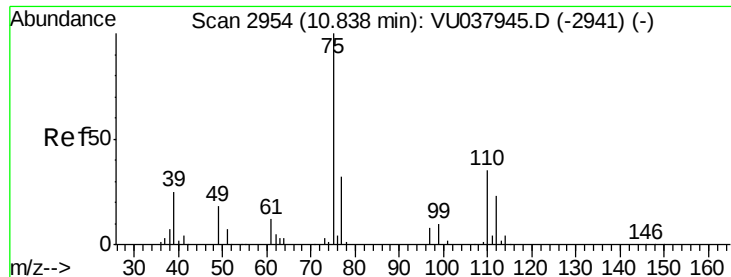
Tot Ion: 75 Resp: 8115  
 Ion Ratio Lower Upper  
 75 100  
 77 60.6 22.6 42.0#



#48  
 2-Hexanone  
 Concen: 4.868 ug/L  
 RT: 8.71 min Scan# 2293  
 Delta R.T. 0.01 min  
 Lab File: VU037959.D  
 Acq: 30 Apr 2020 18:50

Tgt Ion: 43 Resp: 36467  
 Ion Ratio Lower Upper  
 43 100  
 58 44.6 46.4 69.6#  
 57 2.0 16.4 24.6#  
 100 10.3 9.5 14.3





#59

1,2,3-Trichloropropane

Concen: 5.764 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU037959.D

Acq: 30 Apr 2020 18:50

Instrument :

MSVOA\_U

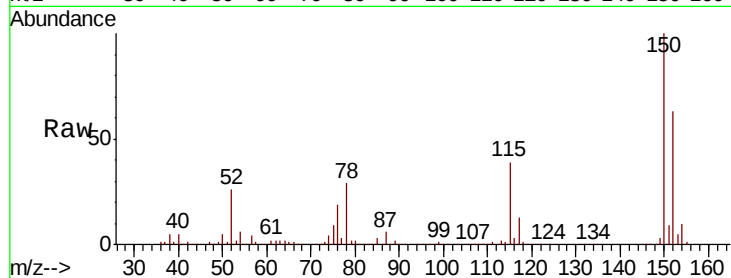
ClientSampleId :

Tot Ion: 75 Resp: 44830

Ion Ratio Lower Upper

75 100

77 33.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

