

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U030220\  
 Data File : VU037004.D  
 Acq On : 02 Mar 2020 17:13  
 Operator : JC/MD  
 Sample : L1746-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 03 03:25:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM022420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 03 03:21:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 261926   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 249107   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 90031    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 83688    | 38.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.10%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 82766    | 45.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.96%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 114755   | 31.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.30%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 167513   | 113.53   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 113.53% |
| 24) Chloroform-d               | 5.11    | 84    | 168828   | 50.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.52% |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 115022   | 50.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.20% |
| 32) Benzene-d6                 | 5.76    | 84    | 355880   | 49.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 120652   | 51.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.40% |
| 41) Toluene-d8                 | 7.93    | 98    | 321034   | 48.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.08%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 50587    | 46.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.28%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 117708   | 103.15   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.15% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 169802   | 51.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 103.22% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 99976    | 56.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 113.62% |

## Target Compounds

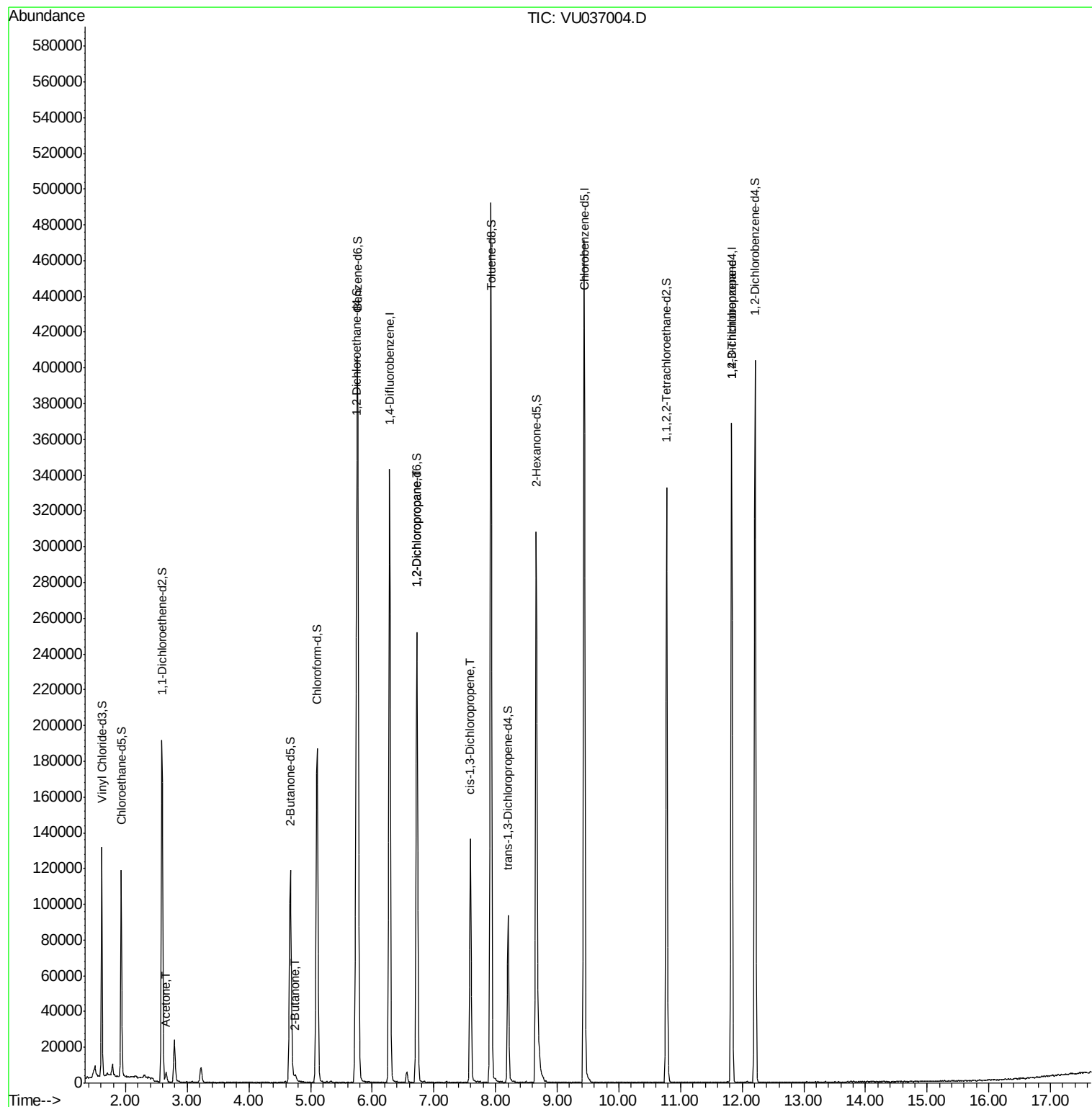
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 2.66  | 43 | 5815  | 3.832 ug/L   | 100    |
| 22) 2-Butanone              | 4.75  | 43 | 4762  | 2.602 ug/L   | 95     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 13070 | 6.168 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 3140  | 0.962 ug/L # | 72     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 13631 | 5.001 ug/L   | 91     |

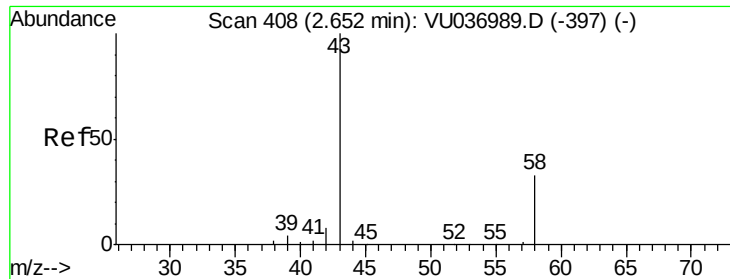
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Mar 03 03:21:45 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 3.832 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU037004.D

Acq: 02 Mar 2020 17:13

Instrument :

MSVOA\_U

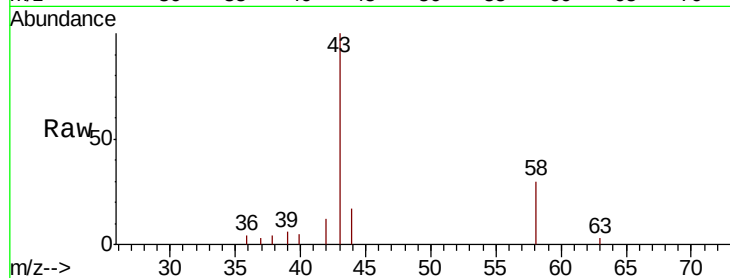
ClientSampleId :

Tot Ion: 43 Resp: 5815

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037004.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VU037004.D (-315) (-)

2.66

3000

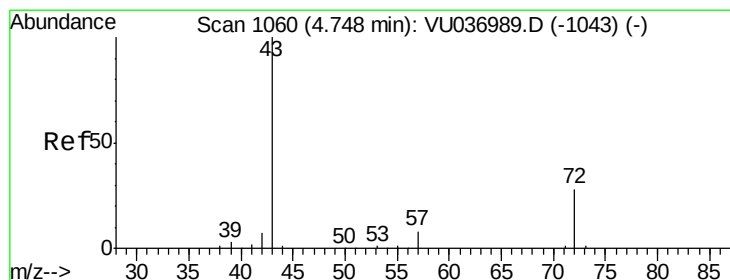
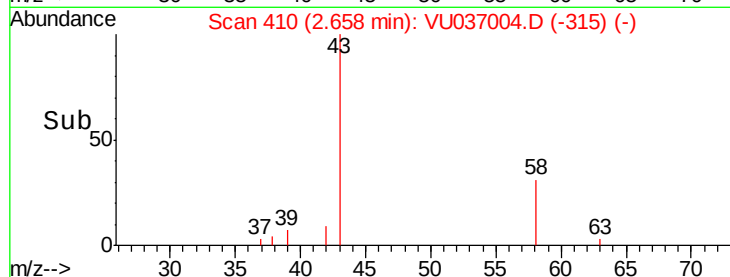
2000

1000

0

Time-->

2.60 2.65 2.70



#22

2-Butanone

Concen: 2.602 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VU037004.D

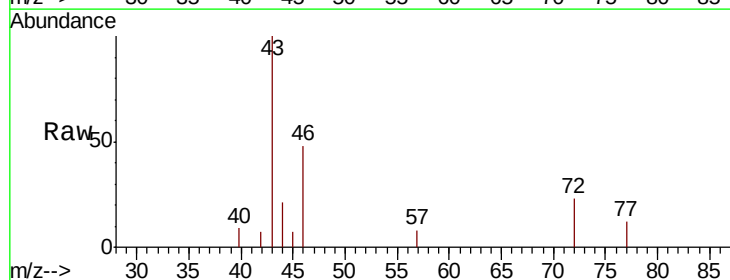
Acq: 02 Mar 2020 17:13

Tgt Ion: 43 Resp: 4762

Ion Ratio Lower Upper

43 100

72 25.1 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU037004.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU037004.D (-967) (-)

4.75

2000

1500

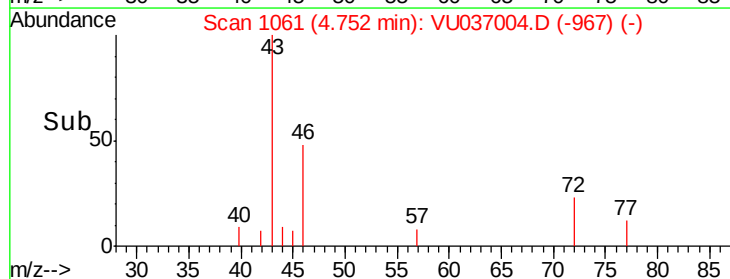
1000

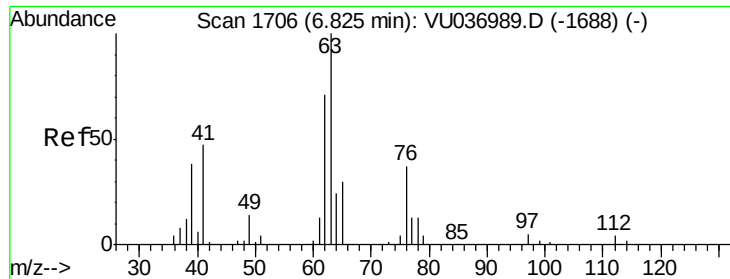
500

0

Time-->

4.70 4.75 4.80

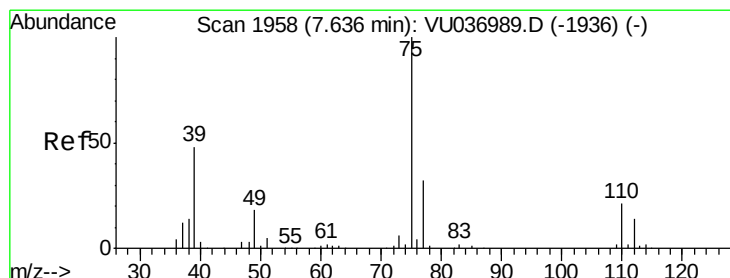
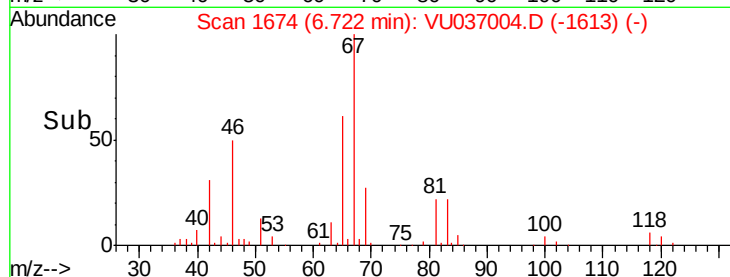
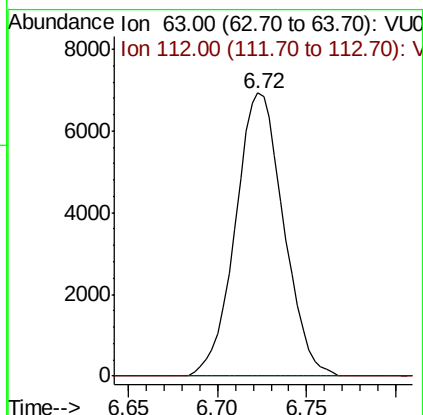
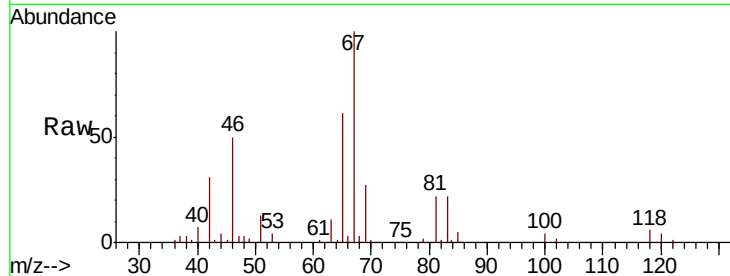




#37  
 1,2-Dichloropropane  
 Concen: 6.168 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU037004.D  
 Acq: 02 Mar 2020 17:13

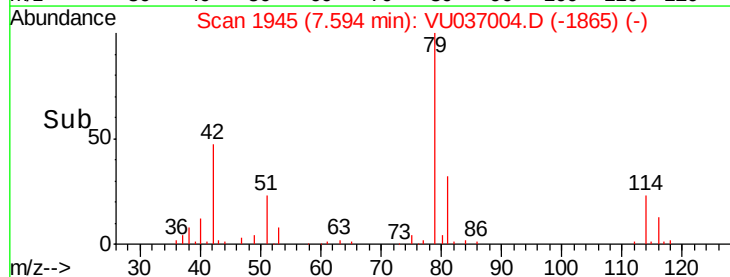
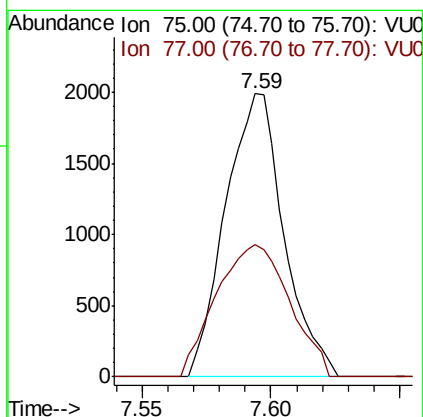
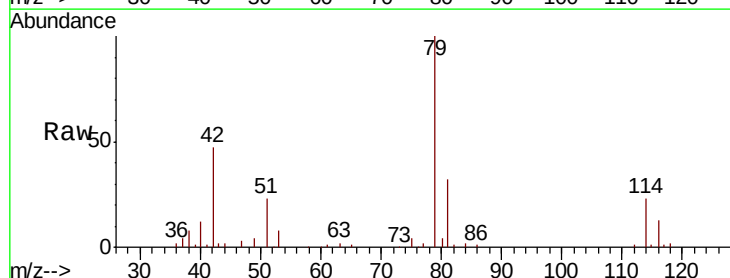
Instrument :  
 MSVOA\_U  
 ClientSampled :

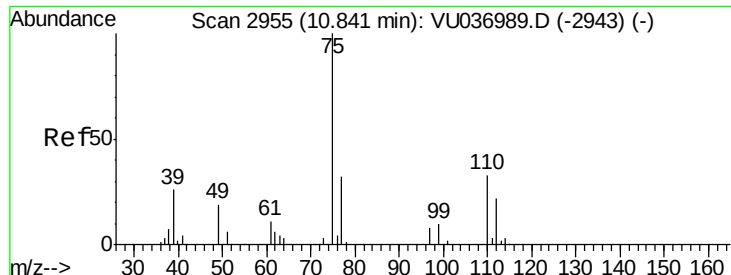
Tot Ion: 63 Resp: 13070  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.0 4.6#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.962 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU037004.D  
 Acq: 02 Mar 2020 17:13

Tgt Ion: 75 Resp: 3140  
 Ion Ratio Lower Upper  
 75 100  
 77 46.9 22.0 41.0#





#59

1,2,3-Trichloropropane

Concen: 5.001 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.99 min

Lab File: VU037004.D

Acq: 02 Mar 2020 17:13

Instrument :

MSVOA\_U

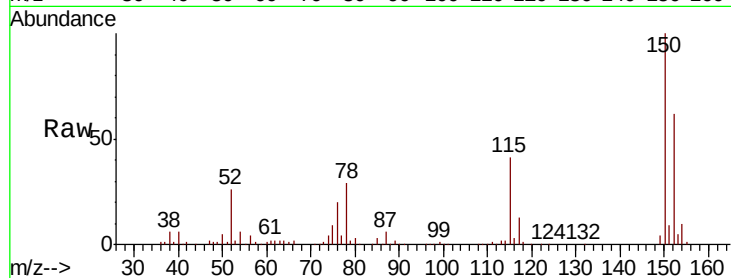
ClientSampleId :

Tot Ion: 75 Resp: 13631

Ion Ratio Lower Upper

75 100

77 37.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

