

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\  
 Data File : VU037625.D  
 Acq On : 09 Apr 2020 18:00  
 Operator : JC/MD  
 Sample : L1885-16  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 10 03:14:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 10 03:10:48 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 569100   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 537439   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 258148   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 222484   | 44.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.44%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 189433   | 47.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.24%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 290110   | 35.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.56%  |
| 21) 2-Butanone-d5              | 4.66    | 46    | 407928   | 101.20   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 101.20% |
| 24) Chloroform-d               | 5.10    | 84    | 355799   | 47.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.18%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 254020   | 50.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.02% |
| 32) Benzene-d6                 | 5.76    | 84    | 789700   | 49.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.88%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 269180   | 51.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.28% |
| 41) Toluene-d8                 | 7.92    | 98    | 720201   | 49.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.26%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 137321   | 48.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.54%  |
| 47) 2-Hexanone-d5              | 8.65    | 63    | 296814   | 98.50    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.50%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 366049   | 49.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.48%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 259670   | 48.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.68%  |

## Target Compounds

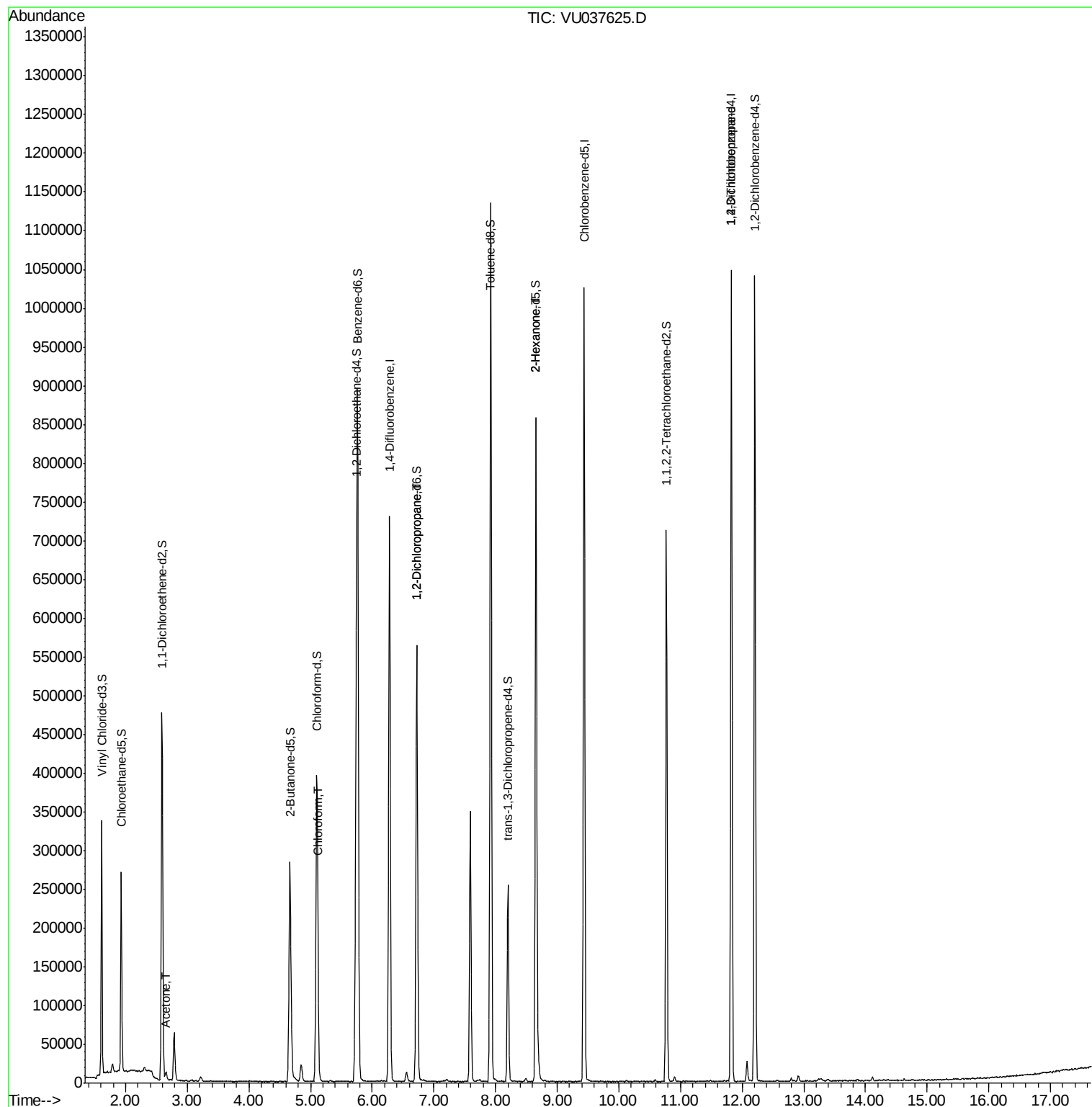
|                            |       |    |       |              | Ovalue |
|----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                | 2.66  | 43 | 12430 | 5.221 ug/L   | 94     |
| 25) Chloroform             | 5.13  | 83 | 8693  | 1.207 ug/L   | 92     |
| 37) 1,2-Dichloropropane    | 6.72  | 63 | 27965 | 6.223 ug/L # | 87     |
| 48) 2-Hexanone             | 8.65  | 43 | 35410 | 5.619 ug/L # | 76     |
| 59) 1,2,3-Trichloropropane | 11.83 | 75 | 34233 | 5.607 ug/L   | 94     |

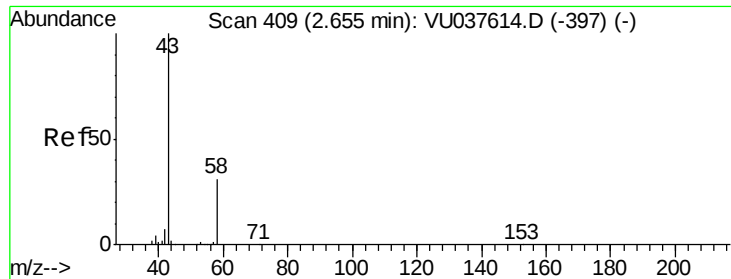
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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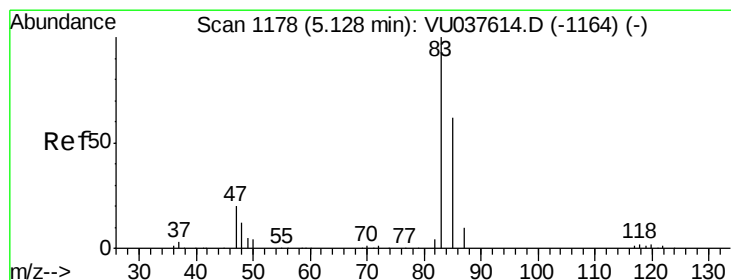
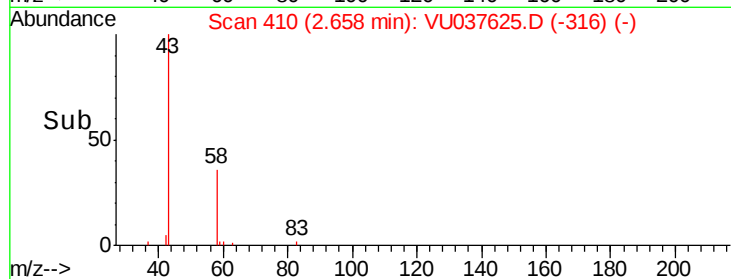
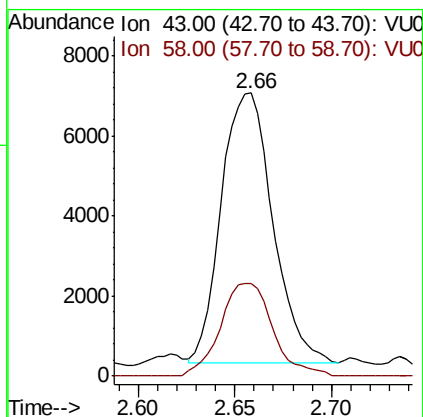
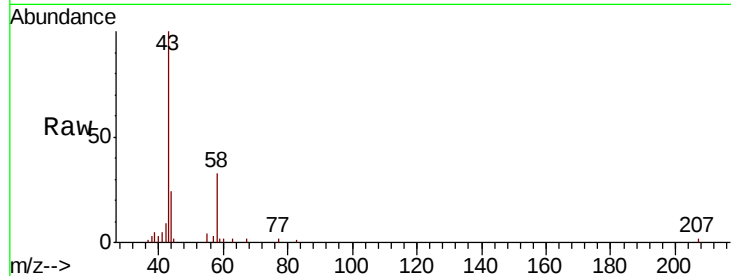




#13  
Acetone  
Concen: 5.221 ug/L  
RT: 2.66 min Scan# 410  
Delta R.T. 0.00 min  
Lab File: VU037625.D  
Acq: 09 Apr 2020 18:00

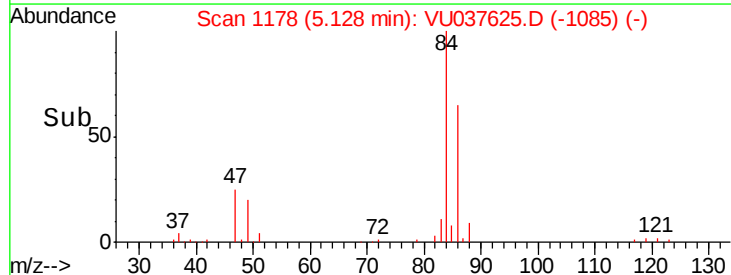
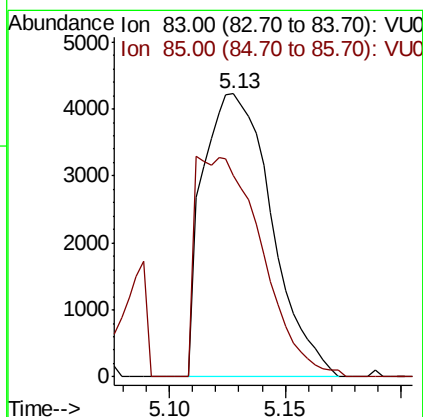
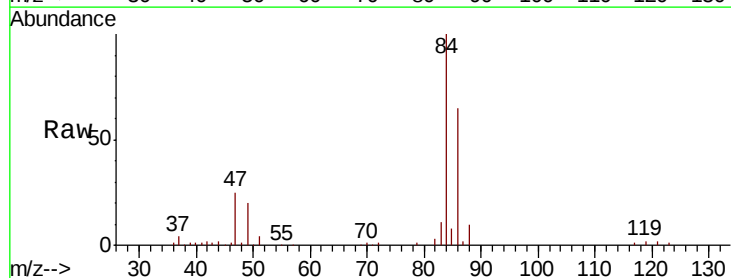
Instrument :  
MSVOA\_U  
ClientSampleId :

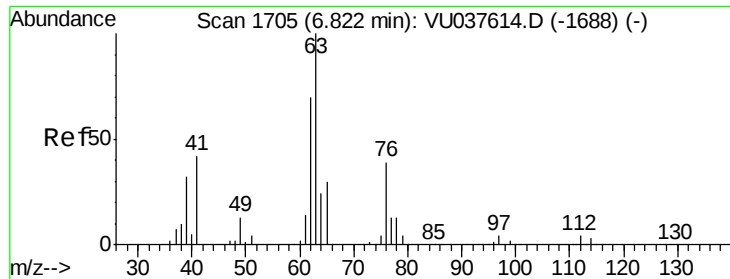
Tot Ion: 43 Resp: 12430  
Ion Ratio Lower Upper  
43 100  
58 35.2 0.0 63.2



#25  
Chloroform  
Concen: 1.207 ug/L  
RT: 5.13 min Scan# 1178  
Delta R.T. 0.00 min  
Lab File: VU037625.D  
Acq: 09 Apr 2020 18:00

Tgt Ion: 83 Resp: 8693  
Ion Ratio Lower Upper  
83 100  
85 71.4 45.5 84.5





#37

1,2-Dichloropropane

Concen: 6.223 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037625.D

Acq: 09 Apr 2020 18:00

Instrument :

MSVOA\_U

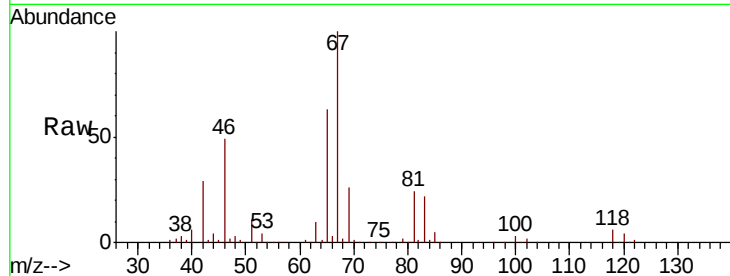
ClientSampleId :

Tot Ion: 63 Resp: 27965

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



Abundance Ion 63.00 (62.70 to 63.70): VU037614.D (-1688) (-)

Ion 112.00 (111.70 to 112.70): VU037614.D (-1688) (-)

6.72

15000

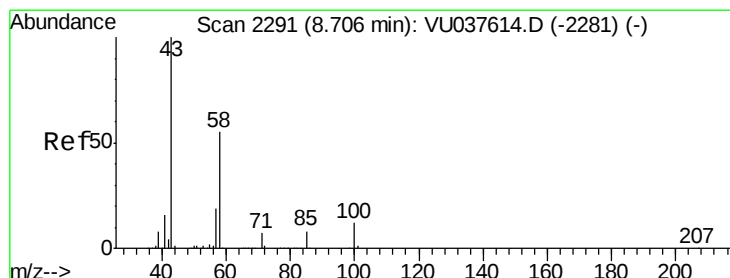
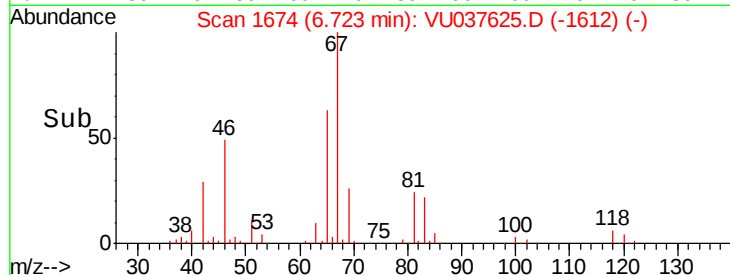
10000

5000

0

Time-->

6.65 6.70 6.75 6.80



#48

2-Hexanone

Concen: 5.619 ug/L

RT: 8.65 min Scan# 2275

Delta R.T. -0.05 min

Lab File: VU037625.D

Acq: 09 Apr 2020 18:00

Tgt Ion: 43 Resp: 35410

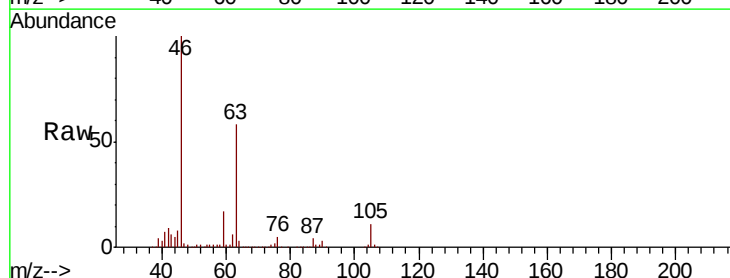
Ion Ratio Lower Upper

43 100

58 33.7 44.0 66.0#

57 22.5 15.2 22.8

100 1.1 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VU037614.D (-2281) (-)

Ion 58.00 (57.70 to 58.70): VU037614.D (-2281) (-)

Ion 57.00 (56.70 to 57.70): VU037614.D (-2281) (-)

Ion 100.00 (99.70 to 100.70): VU037614.D (-2281) (-)

8.65

30000

25000

20000

15000

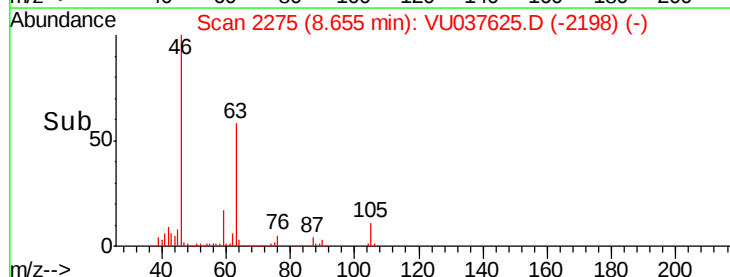
10000

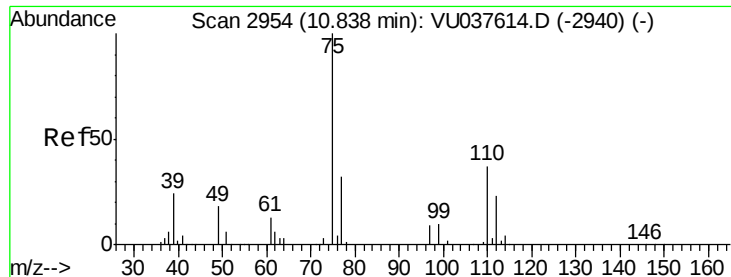
5000

0

Time-->

8.60 8.65 8.70





#59

1,2,3-Trichloropropane

Concen: 5.607 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU037625.D

Acq: 09 Apr 2020 18:00

Instrument :

MSVOA\_U

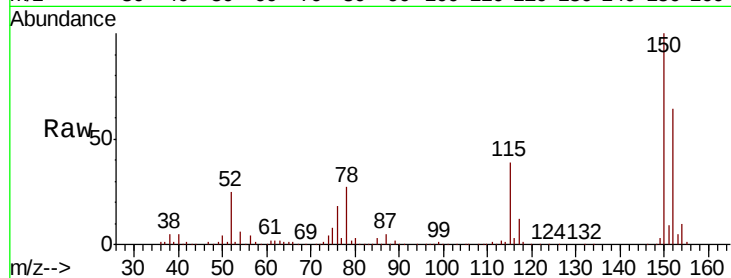
ClientSampleId :

Tot Ion: 75 Resp: 34233

Ion Ratio Lower Upper

75 100

77 35.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

