

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\  
 Data File : VU037637.D  
 Acq On : 09 Apr 2020 22:33  
 Operator : JC/MD  
 Sample : L1885-13  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 10 03:16:26 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  | 514363   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 485673   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 233188   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 198522   | 44.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 88.30%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 173125   | 47.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.28%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 259668   | 35.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.88%  |
| 21) 2-Butanone-d5              | 4.66    | 46    | 397224   | 109.03   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 109.03% |
| 24) Chloroform-d               | 5.10    | 84    | 336448   | 49.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.58%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 239438   | 52.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.32% |
| 32) Benzene-d6                 | 5.76    | 84    | 727600   | 50.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.84% |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 245748   | 51.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.34% |
| 41) Toluene-d8                 | 7.92    | 98    | 659838   | 49.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.62%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 129072   | 50.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 100.40% |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 289917   | 106.47   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.47% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 343893   | 51.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.38% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 244761   | 50.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.88% |

## Target Compounds

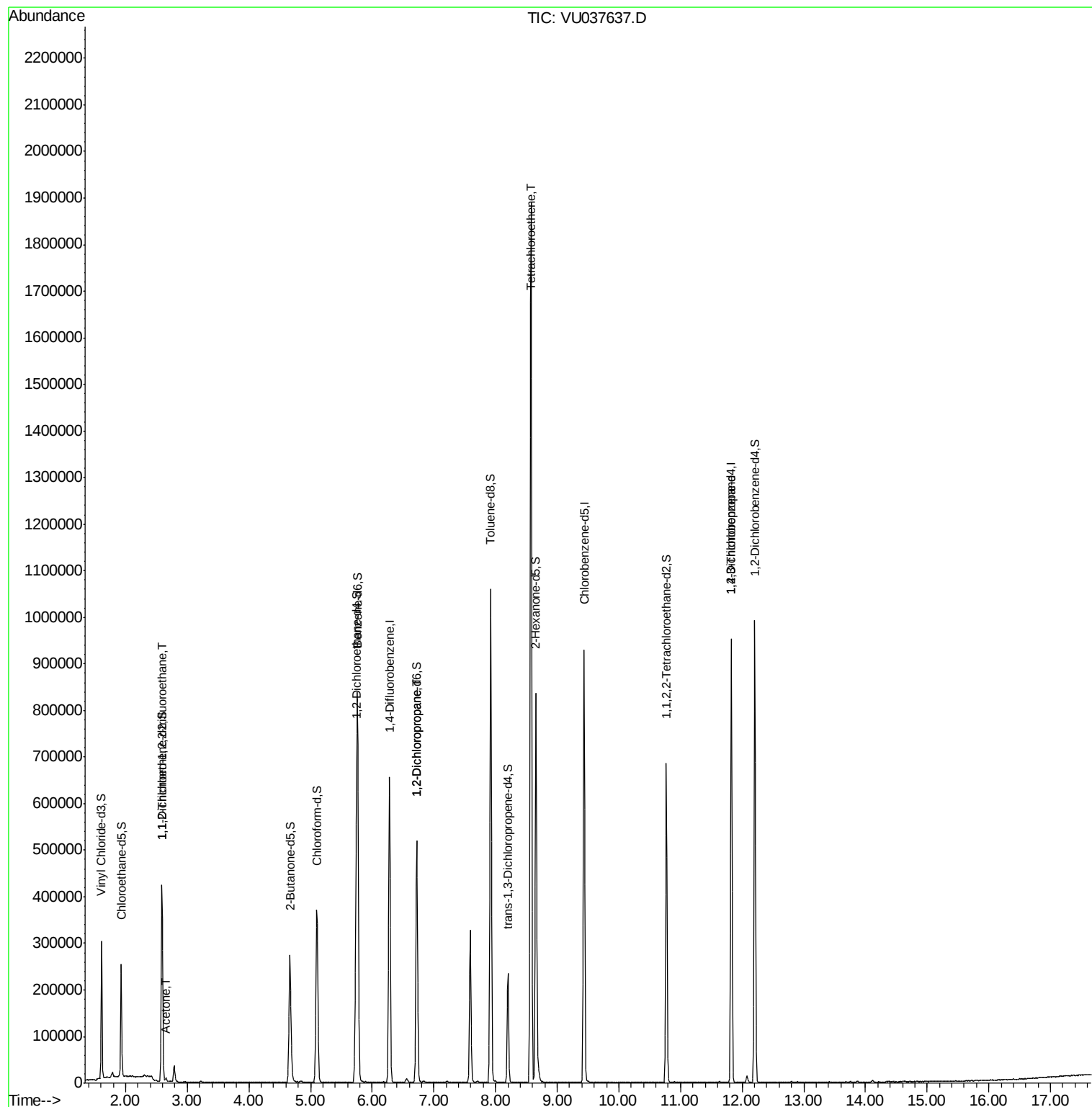
|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59  | 101 | 2492   | 0.769 ug/L # | 22     |
| 13) Acetone                    | 2.66  | 43  | 7515   | 3.493 ug/L   | 95     |
| 37) 1,2-Dichloropropane        | 6.72  | 63  | 26339  | 6.486 ug/L # | 87     |
| 46) Tetrachloroethene          | 8.57  | 164 | 405891 | 149.936 ug/L | 98     |
| 59) 1,2,3-Trichloropropane     | 11.83 | 75  | 32015  | 5.803 ug/L   | 94     |

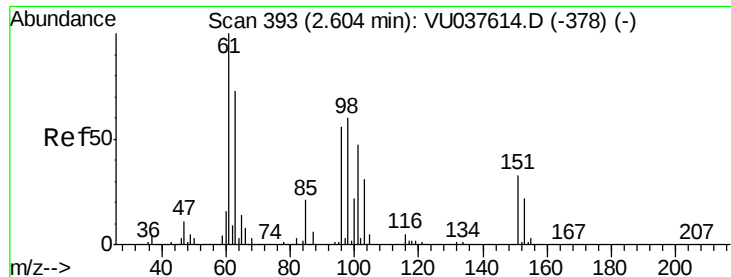
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 10 03:10:48 2020  
Response via : Initial Calibration





#10

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

Concen: 0.769 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037637.D

Acq: 09 Apr 2020 22:33

Instrument :

MSVOA\_U

ClientSampleId :

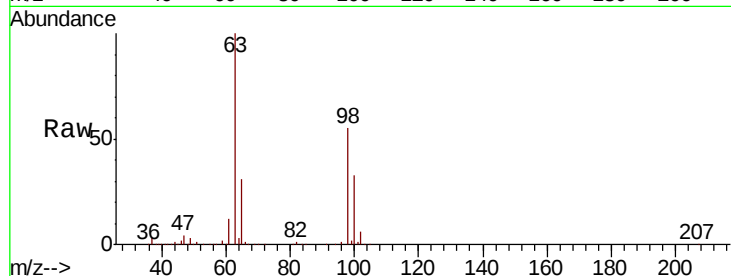
Tot Ion:101 Resp: 2492

Ion Ratio Lower Upper

101 100

85 1.6 34.5 51.7#

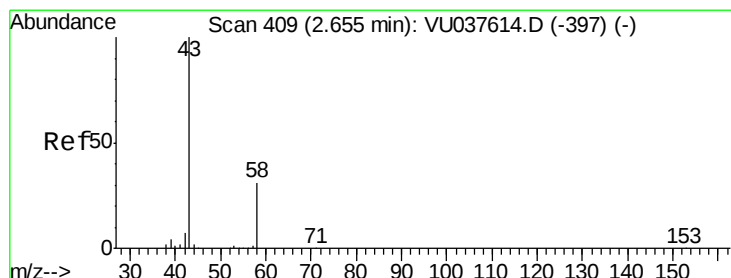
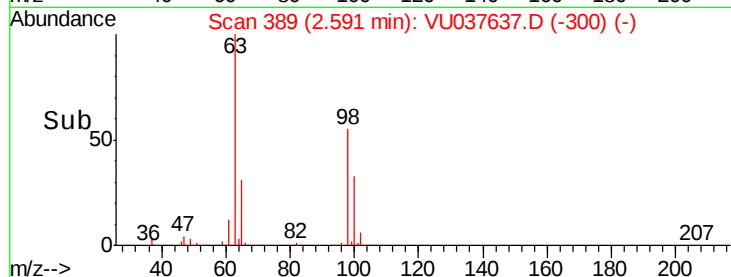
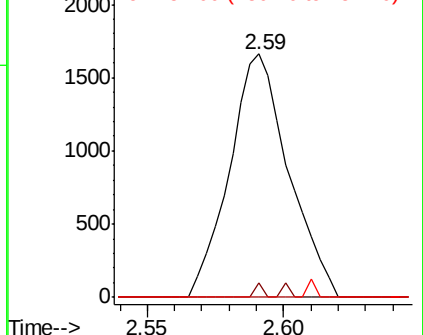
151 0.0 56.8 85.2#



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



#13

Acetone

Concen: 3.493 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037637.D

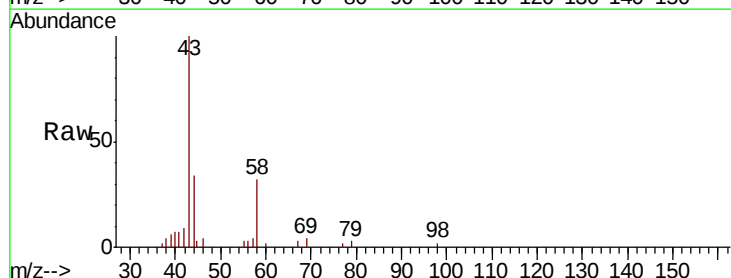
Acq: 09 Apr 2020 22:33

Tgt Ion: 43 Resp: 7515

Ion Ratio Lower Upper

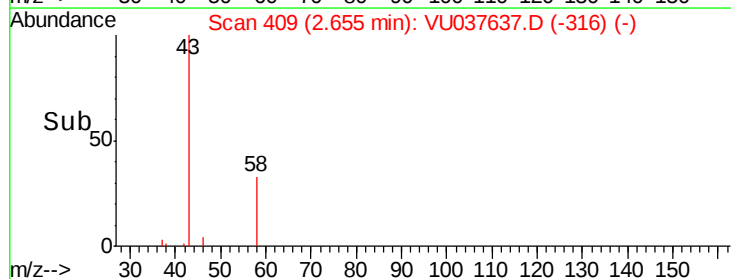
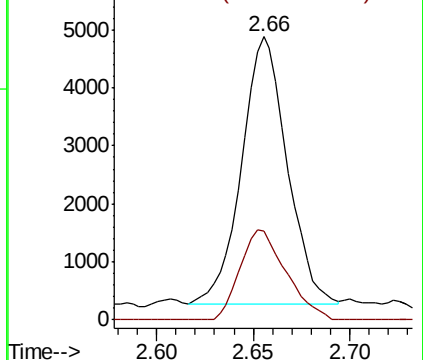
43 100

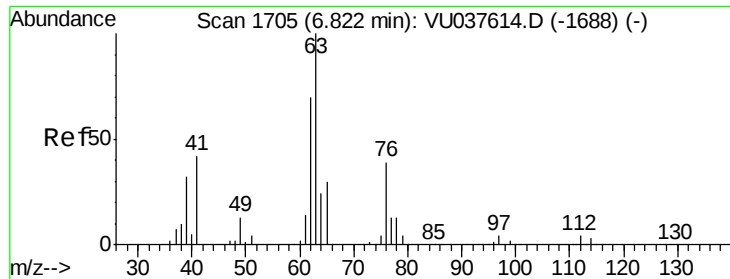
58 34.2 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

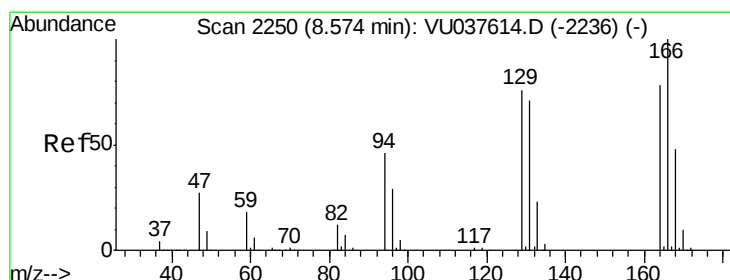
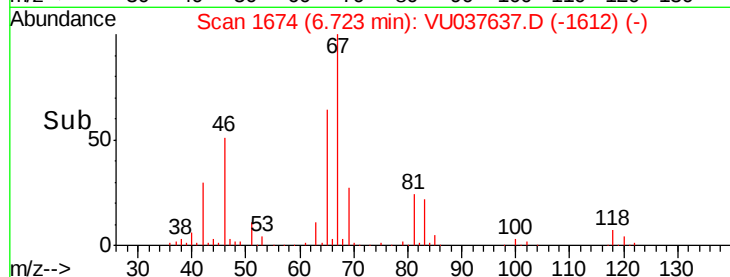
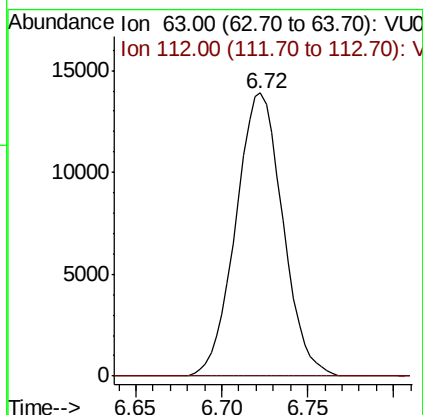
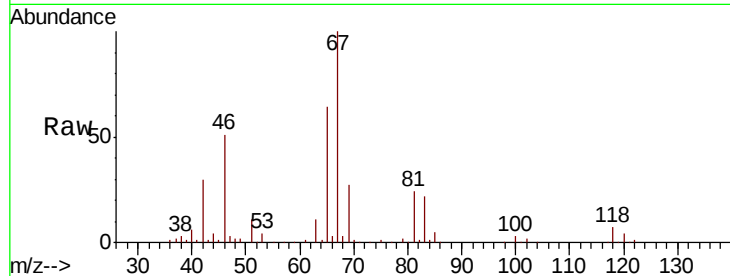




#37  
 1,2-Dichloropropane  
 Concen: 6.486 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU037637.D  
 Acq: 09 Apr 2020 22:33

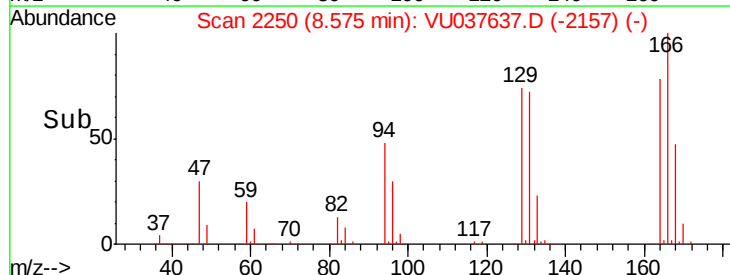
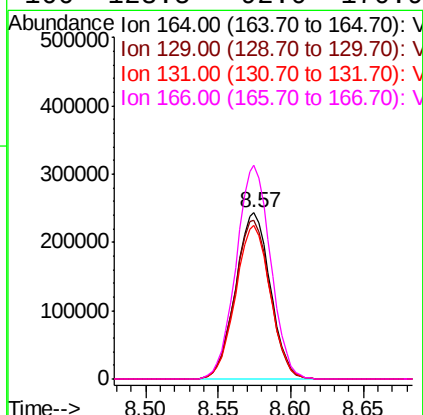
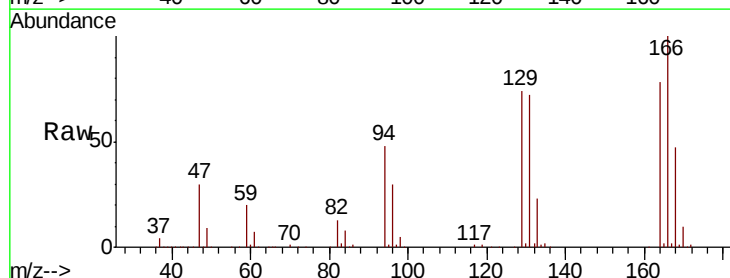
Instrument :  
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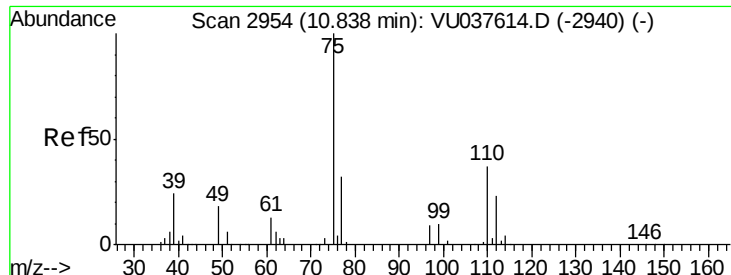
Tot Ion: 63 Resp: 26339  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.0#



#46  
 Tetrachloroethene  
 Concen: 149.936 ug/L  
 RT: 8.57 min Scan# 2250  
 Delta R.T. 0.00 min  
 Lab File: VU037637.D  
 Acq: 09 Apr 2020 22:33

Tgt Ion:164 Resp: 405891  
 Ion Ratio Lower Upper  
 164 100  
 129 95.3 68.0 126.2  
 131 92.2 65.8 122.2  
 166 128.5 92.0 170.9





#59

1,2,3-Trichloropropane

Concen: 5.803 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU037637.D

Acq: 09 Apr 2020 22:33

Instrument :

MSVOA\_U

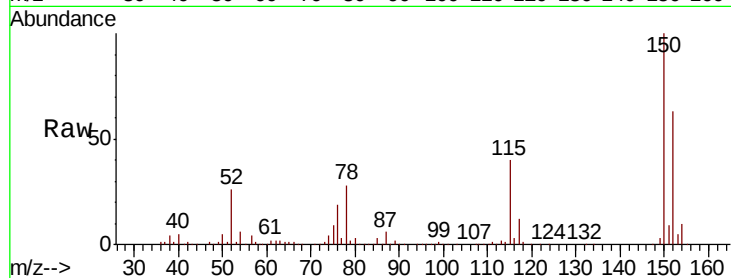
ClientSampleId :

Tot Ion: 75 Resp: 32015

Ion Ratio Lower Upper

75 100

77 35.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

