

Data File : VU037040.D  
Acq On : 04 Mar 2020 15:53  
Operator : JC/MD  
Sample : L1780-20  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0DJ3

Quant Time: Mar 05 01:00:07 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM022420WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Mar 05 00:57:10 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 261114   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 250840   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 92834    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 95051    | 43.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.70%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 91571    | 50.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 100.94% |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 127552   | 34.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.48%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 142054   | 96.58    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.58%  |
| 24) Chloroform-d               | 5.11    | 84    | 163262   | 48.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.52%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 115132   | 50.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.62% |
| 32) Benzene-d6                 | 5.76    | 84    | 357644   | 49.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 118055   | 50.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.46% |
| 41) Toluene-d8                 | 7.93    | 98    | 316194   | 46.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.98%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 48478    | 44.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.78%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 99023    | 86.18    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 86.18%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 160772   | 48.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.04%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 94421    | 52.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.06% |

#### Target Compounds

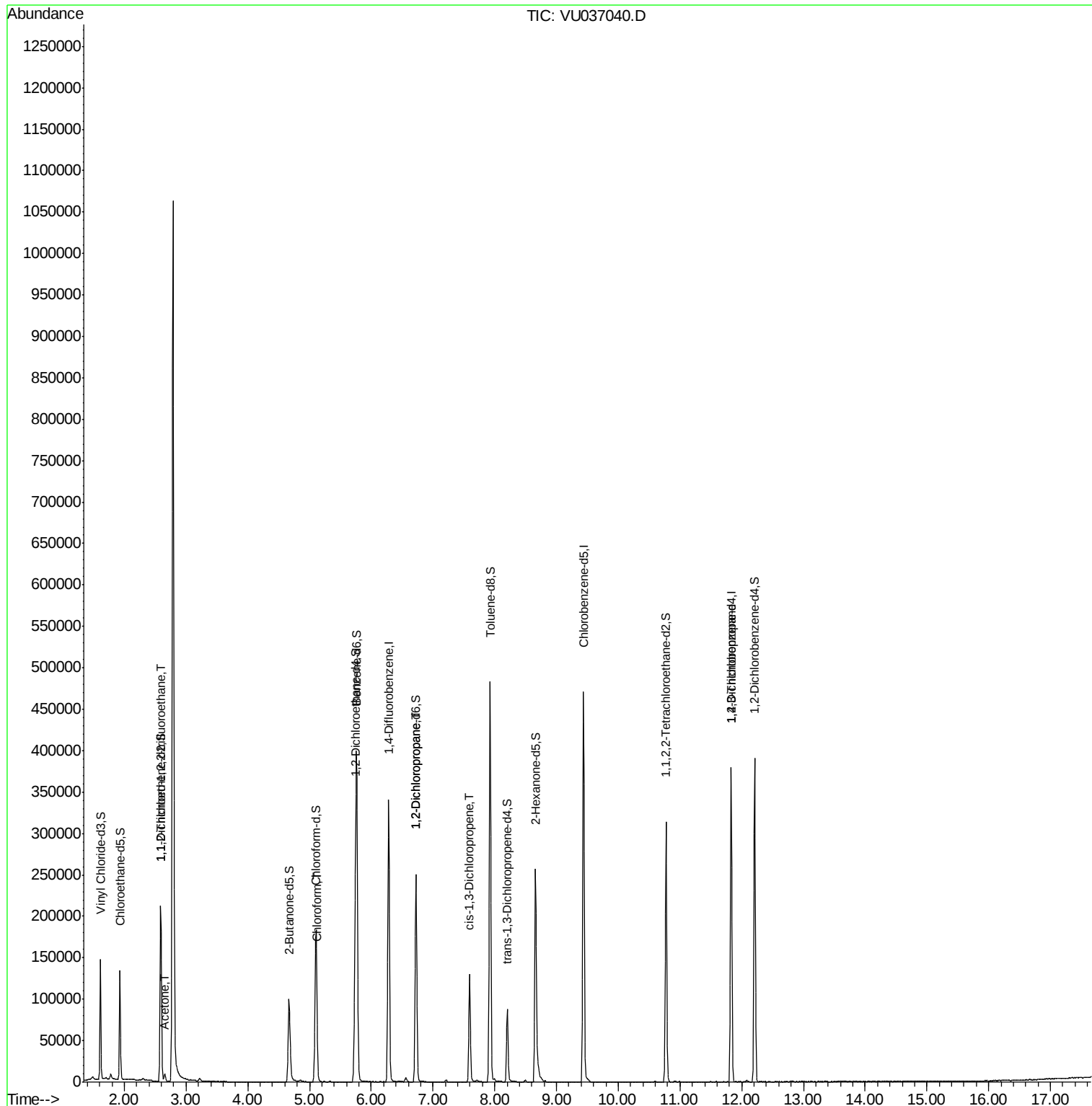
|                                |       |     |       |       | Qvalue |    |
|--------------------------------|-------|-----|-------|-------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59  | 101 | 1232  | 0.739 | ug/L # | 23 |
| 13) Acetone                    | 2.66  | 43  | 9807  | 6.482 | ug/L   | 95 |
| 25) Chloroform                 | 5.13  | 83  | 3708  | 1.092 | ug/L   | 92 |
| 37) 1,2-Dichloropropane        | 6.72  | 63  | 12746 | 5.974 | ug/L # | 88 |
| 39) cis-1,3-Dichloropropene    | 7.59  | 75  | 3035  | 0.923 | ug/L # | 70 |
| 59) 1,2,3-Trichloropropane     | 11.83 | 75  | 14661 | 5.341 | ug/L   | 93 |

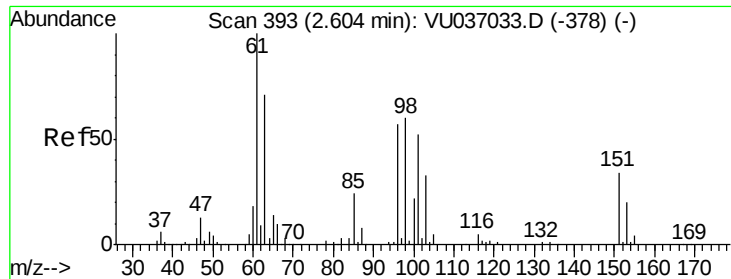
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Mar 05 00:57:10 2020  
Response via : Initial Calibration





#10

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

Concen: 0.739 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU037040.D

Acq: 04 Mar 2020 15:53

Instrument :

MSVOA\_U

ClientSampleId :

C0DJ3

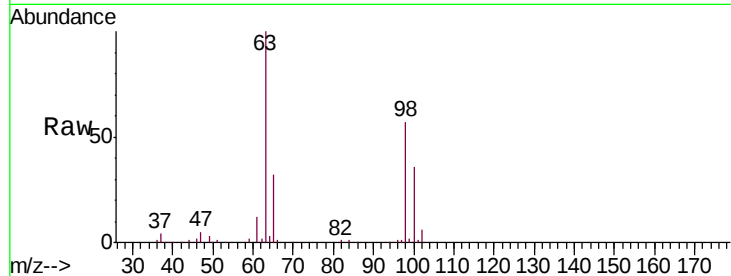
Tgt Ion:101 Resp: 1232

Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

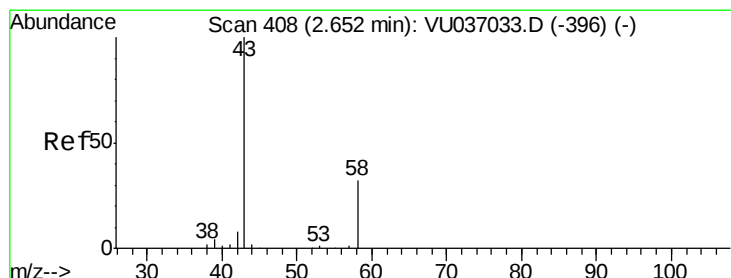
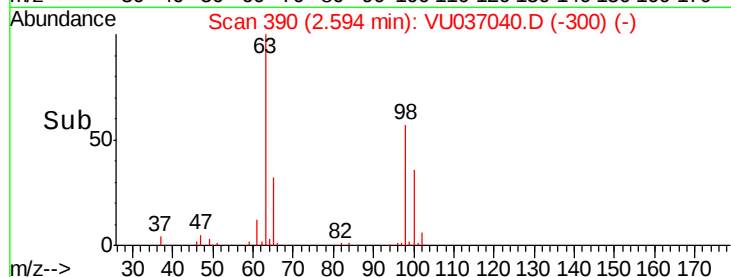
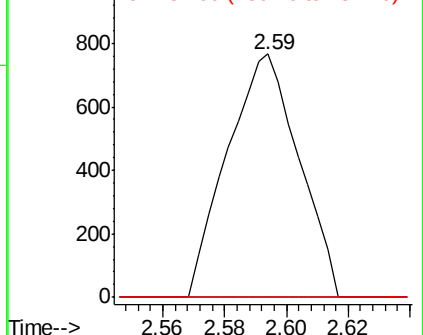
151 0.0 52.4 78.6#



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: 6.482 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037040.D

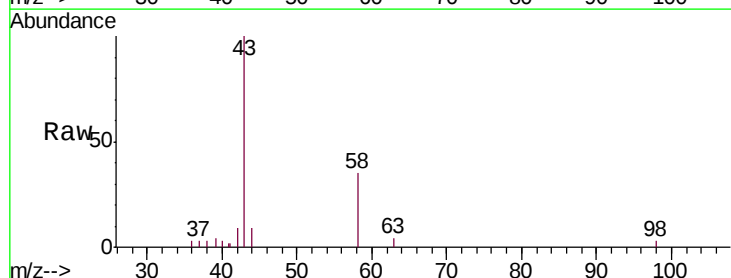
Acq: 04 Mar 2020 15:53

Tgt Ion: 43 Resp: 9807

Ion Ratio Lower Upper

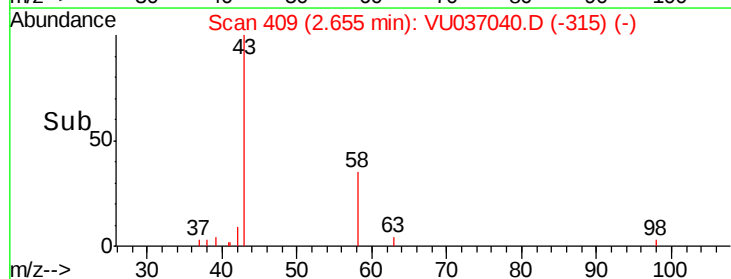
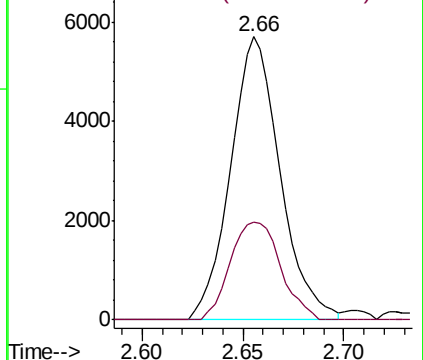
43 100

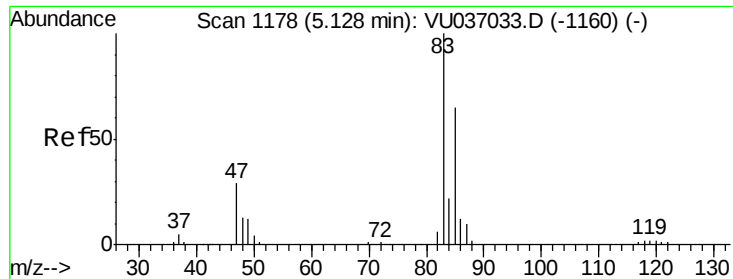
58 35.1 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

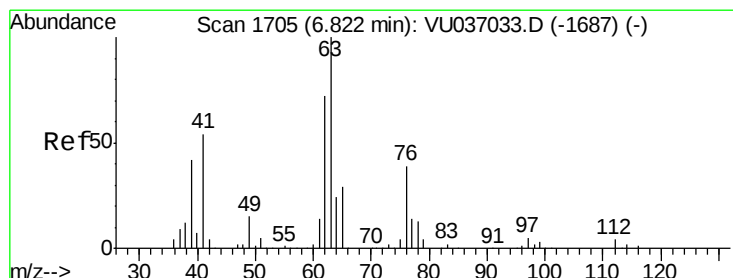
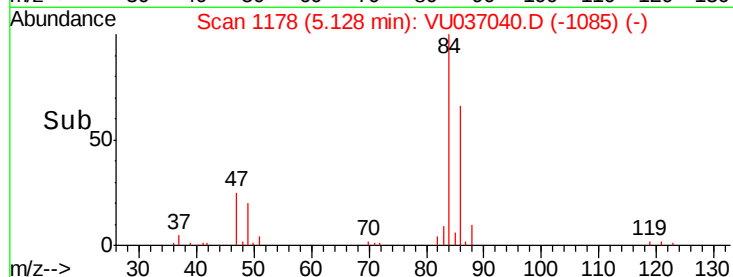
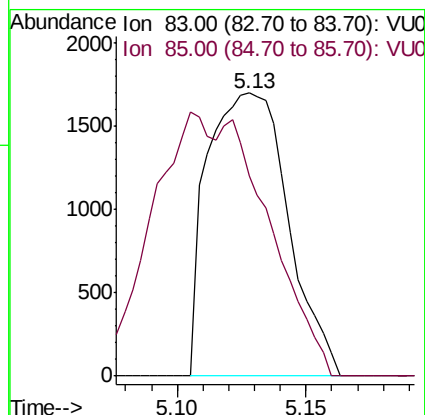
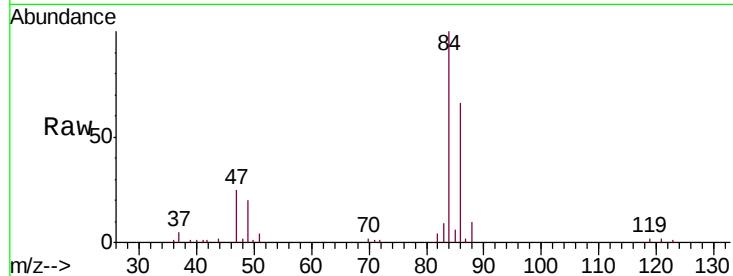




#25  
Chloroform  
Concen: 1.092 ug/L  
RT: 5.13 min Scan# 1178  
Delta R.T. 0.00 min  
Lab File: VU037040.D  
Acq: 04 Mar 2020 15:53

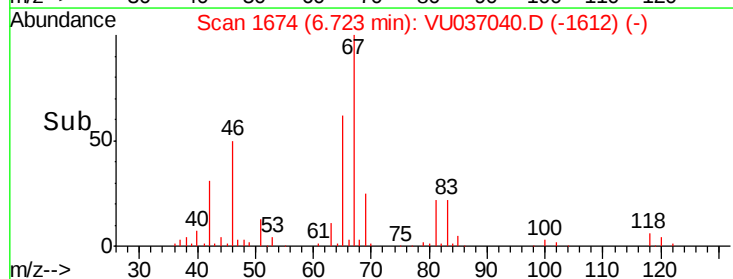
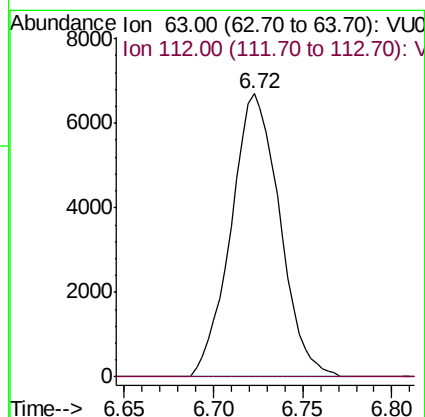
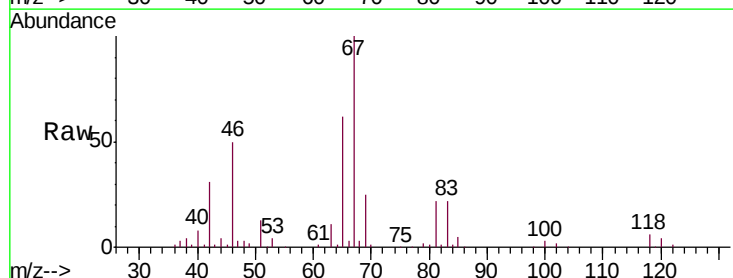
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0DJ3

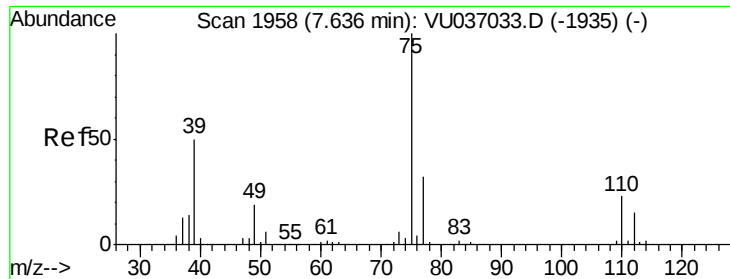
Tgt Ion: 83 Resp: 3708  
Ion Ratio Lower Upper  
83 100  
85 70.5 45.1 83.9



#37  
1,2-Dichloropropane  
Concen: 5.974 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.10 min  
Lab File: VU037040.D  
Acq: 04 Mar 2020 15:53

Tgt Ion: 63 Resp: 12746  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.6#



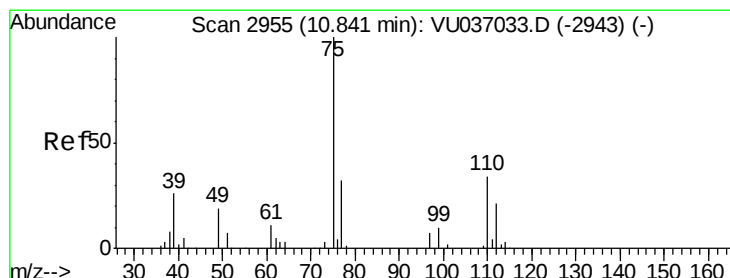
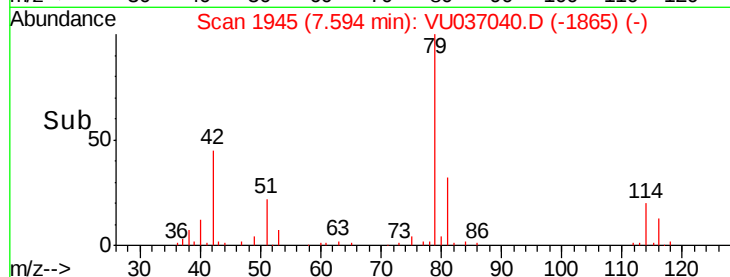
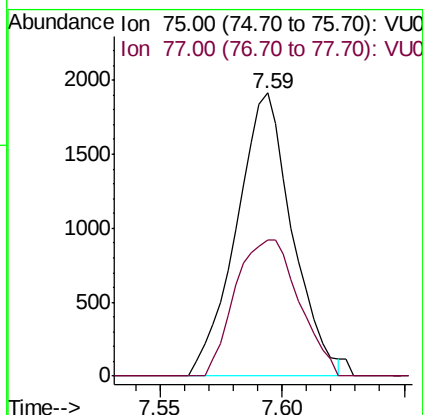
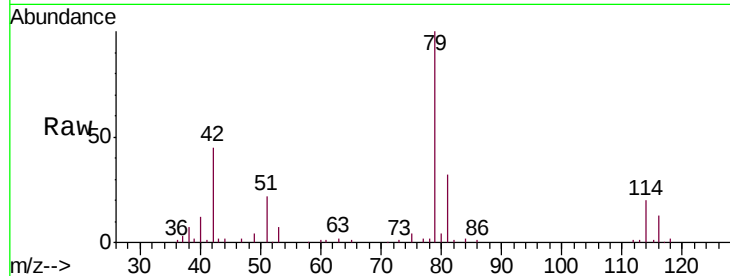


#39

cis-1,3-Dichloropropene  
 Concen: 0.923 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU037040.D  
 Acq: 04 Mar 2020 15:53

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 C0DJ3

Tgt Ion: 75 Resp: 3035  
 Ion Ratio Lower Upper  
 75 100  
 77 47.9 22.0 41.0#



#59

1,2,3-Trichloropropane  
 Concen: 5.341 ug/L  
 RT: 11.83 min Scan# 3262  
 Delta R.T. 0.99 min  
 Lab File: VU037040.D  
 Acq: 04 Mar 2020 15:53

Tgt Ion: 75 Resp: 14661  
 Ion Ratio Lower Upper  
 75 100  
 77 36.7 26.2 39.2

