

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032820\  
 Data File : VU037419.D  
 Acq On : 28 Mar 2020 16:08  
 Operator : JC/MD  
 Sample : L2002-01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 30 00:23:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR032820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Mar 30 00:15:54 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 131223   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 123704   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 61950    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 39716    | 4.10     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 82.00% |
| 7) Chloroethane-d5             | 1.93   | 69    | 33678    | 4.64     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.80% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 61508    | 3.25     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.00% |
| 20) 2-Butanone-d5              | 4.67   | 46    | 114843   | 43.50    | ug/L | -0.01  |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 87.00% |
| 24) Chloroform-d               | 5.11   | 84    | 79424    | 4.15     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.00% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 44739    | 4.25     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.00% |
| 32) Benzene-d6                 | 5.76   | 84    | 156118   | 4.37     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.40% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 50619    | 4.28     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 85.60% |
| 41) Toluene-d8                 | 7.92   | 98    | 147145   | 4.34     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.80% |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 22973    | 4.13     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.60% |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 99571    | 45.02    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.04% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 41543    | 4.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 83.60% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 54461    | 4.46     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 89.20% |

## Target Compounds

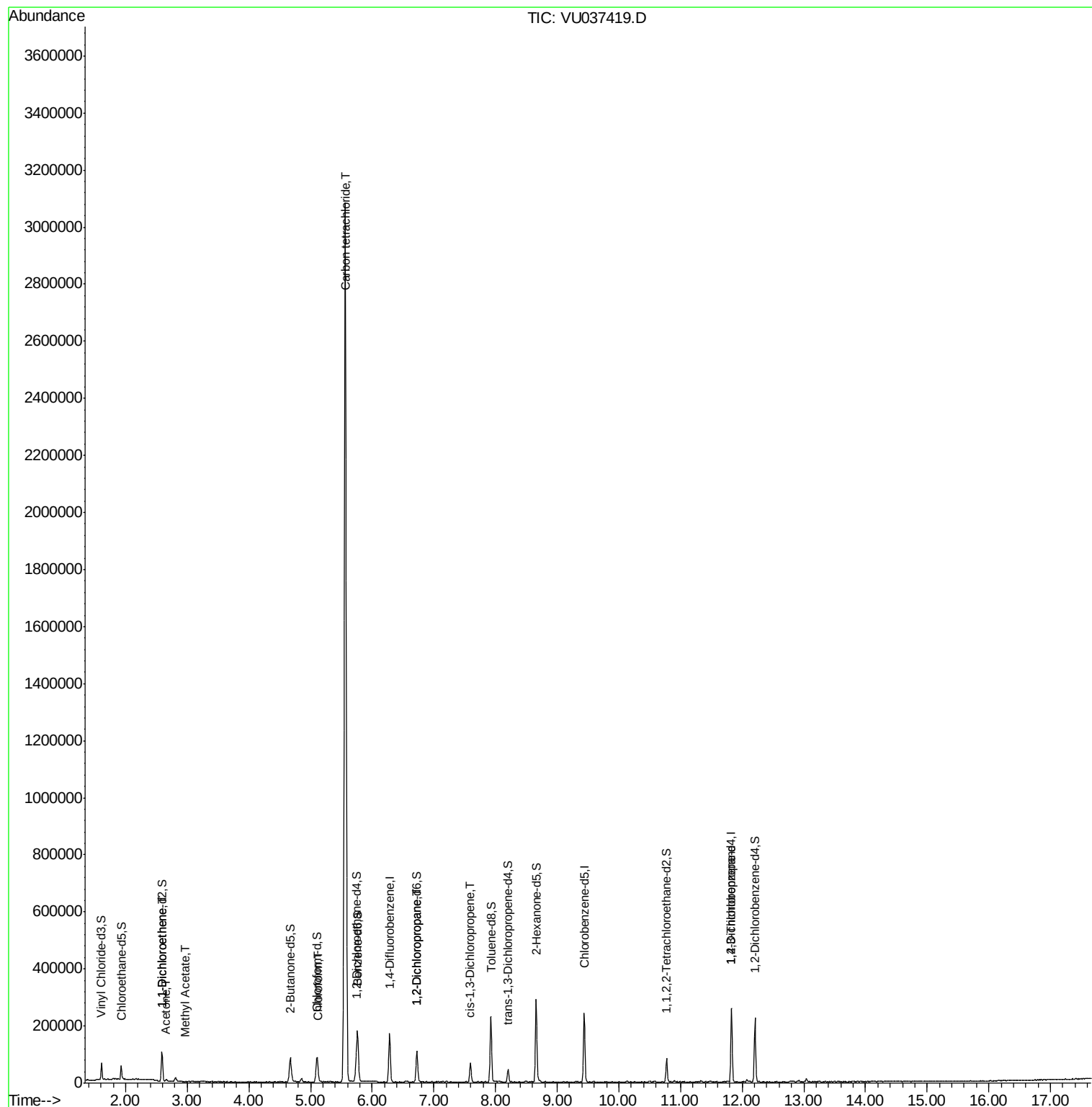
|                             |       |     |         |              | Ovalue |
|-----------------------------|-------|-----|---------|--------------|--------|
| 12) 1,1-Dichloroethene      | 2.59  | 96  | 671     | 0.078 ug/L # | 1      |
| 13) Acetone                 | 2.66  | 43  | 8179    | 5.391 ug/L   | 95     |
| 15) Methyl Acetate          | 2.98  | 43  | 723     | 0.171 ug/L # | 51     |
| 25) Chloroform              | 5.13  | 83  | 5562    | 0.313 ug/L   | 83     |
| 31) Carbon tetrachloride    | 5.56  | 117 | 2067826 | 154.030 ug/L | 99     |
| 37) 1,2-Dichloropropane     | 6.72  | 63  | 5434    | 0.574 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75  | 1672    | 0.108 ug/L # | 19     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75  | 9010    | 1.368 ug/L # | 87     |

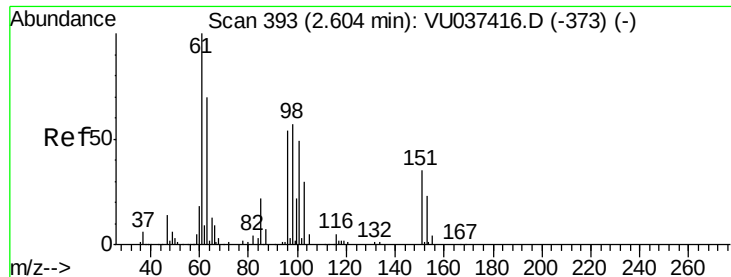
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_U  
ClientSampleId :

Quant Time: Mar 30 00:23:10 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR032820WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Mar 30 00:15:54 2020  
Response via : Initial Calibration

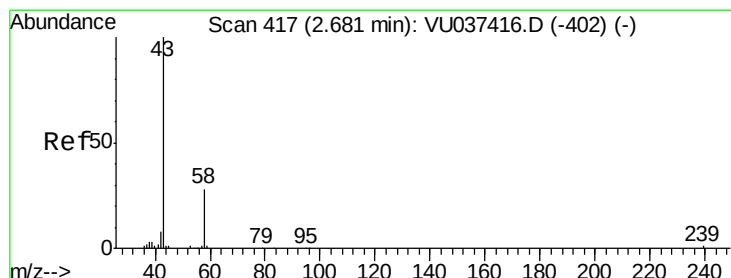
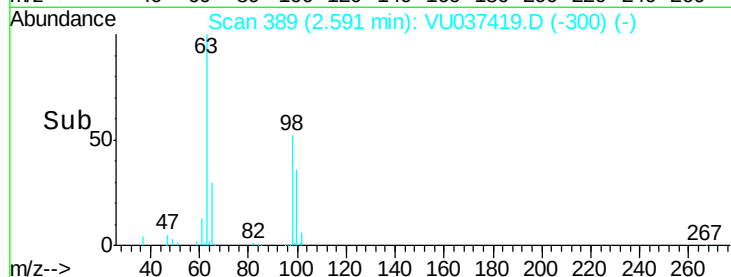
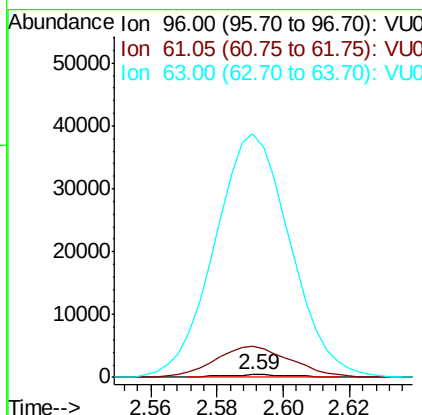
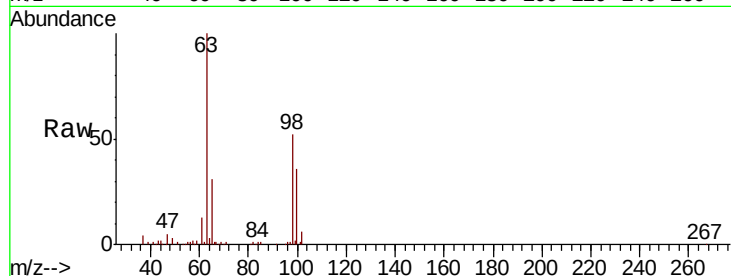




#12  
 1,1-Dichloroethene  
 Concen: 0.078 ug/L  
 RT: 2.59 min Scan# 389  
 Delta R.T. -0.01 min  
 Lab File: VU037419.D  
 Acq: 28 Mar 2020 16:08

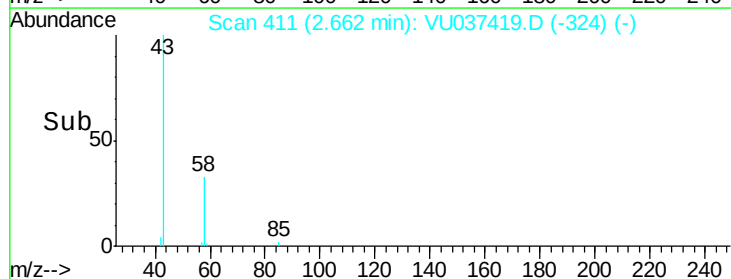
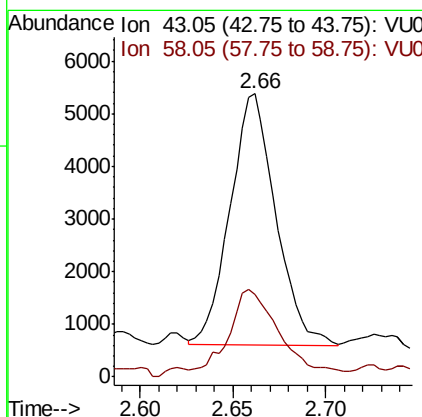
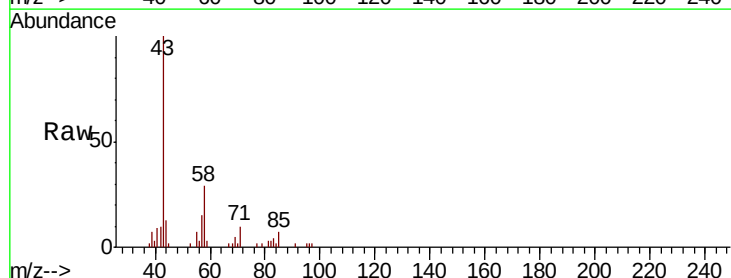
Instrument :  
 MSVOA\_U  
 ClientSampled :

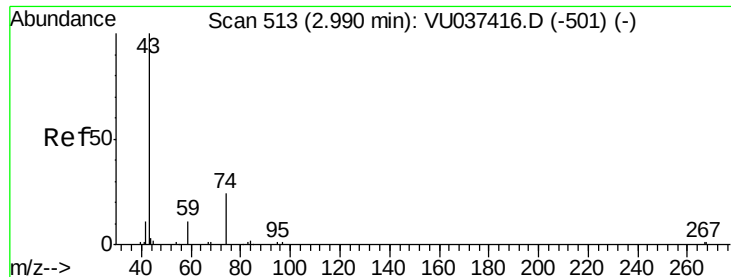
Tot Ion: 96 Resp: 671  
 Ion Ratio Lower Upper  
 96 100  
 61 1181.2 125.4 232.8#  
 63 9335.9 90.9 168.7#



#13  
 Acetone  
 Concen: 5.391 ug/L  
 RT: 2.66 min Scan# 411  
 Delta R.T. -0.02 min  
 Lab File: VU037419.D  
 Acq: 28 Mar 2020 16:08

Tgt Ion: 43 Resp: 8179  
 Ion Ratio Lower Upper  
 43 100  
 58 35.9 0.0 66.0

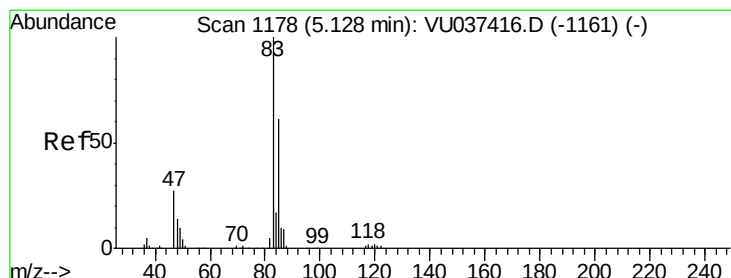
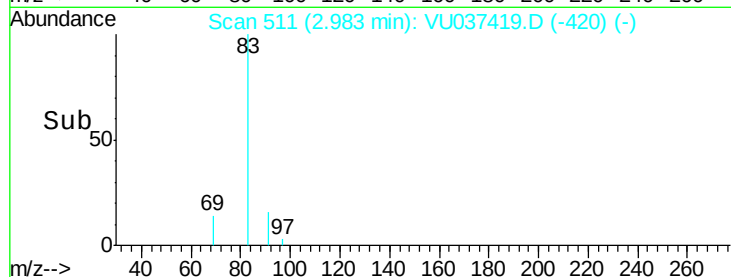
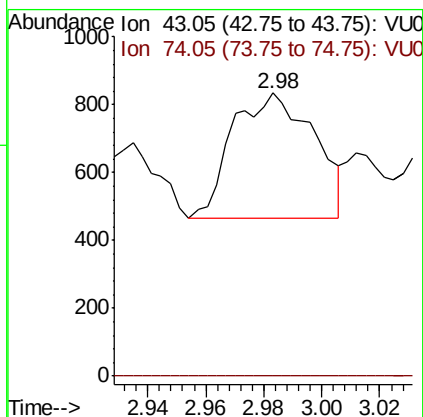
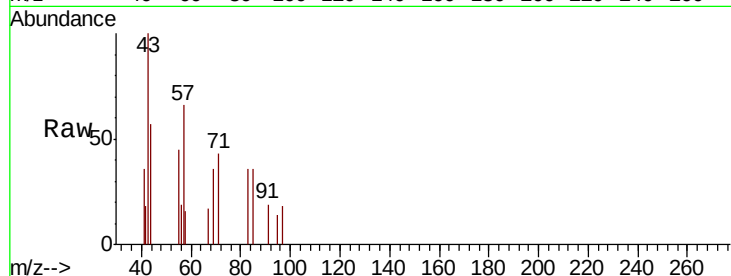




#15  
Methvl Acetate  
Concen: 0.171 ug/L  
RT: 2.98 min Scan# 511  
Delta R.T. -0.01 min  
Lab File: VU037419.D  
Acq: 28 Mar 2020 16:08

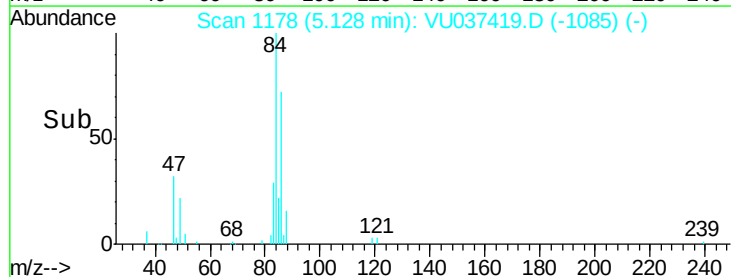
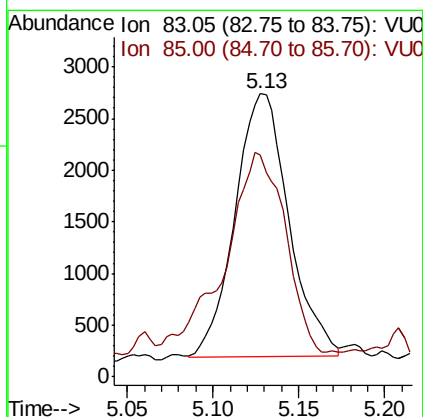
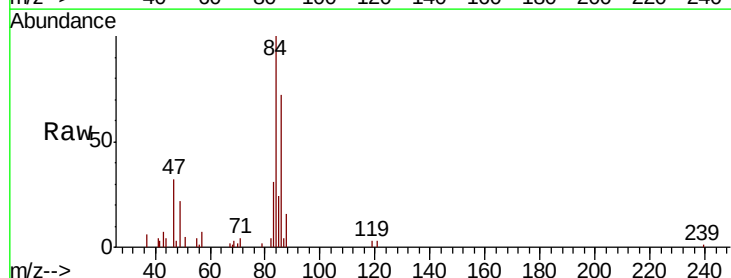
Instrument :  
MSVOA\_U  
ClientSampleId :

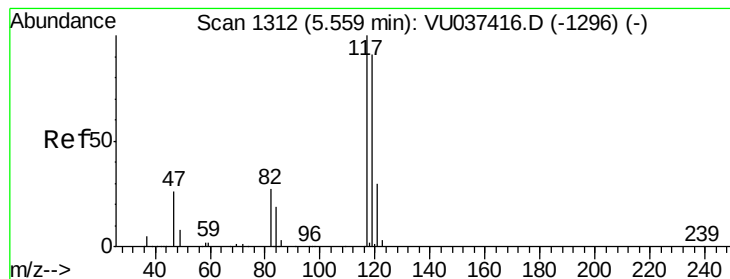
Tot Ion: 43 Resp: 723  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.8 29.6#



#25  
Chloroform  
Concen: 0.313 ug/L  
RT: 5.13 min Scan# 1178  
Delta R.T. -0.00 min  
Lab File: VU037419.D  
Acq: 28 Mar 2020 16:08

Tgt Ion: 83 Resp: 5562  
Ion Ratio Lower Upper  
83 100  
85 78.4 45.4 84.4





#31

Carbon tetrachloride

Concen: 154.030 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037419.D

Acq: 28 Mar 2020 16:08

Instrument :

MSVOA\_U

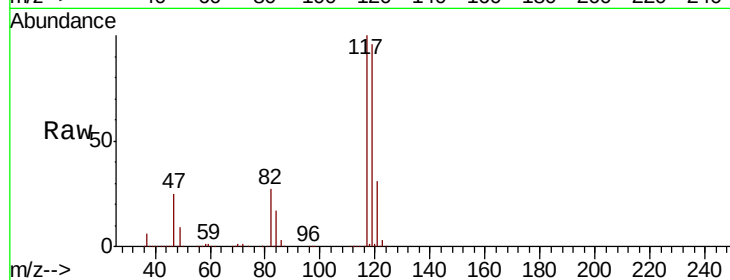
ClientSampleId :

Tot Ion:117 Resp: 2067826

Ion Ratio Lower Upper

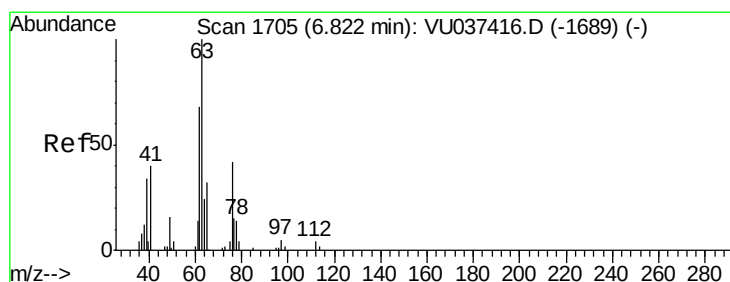
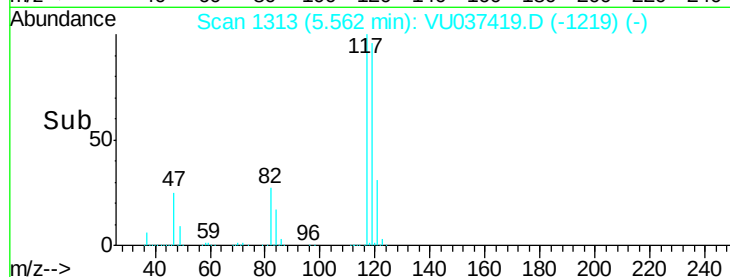
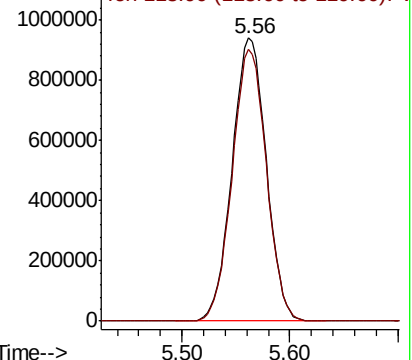
117 100

119 96.3 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#37

1,2-Dichloropropane

Concen: 0.574 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU037419.D

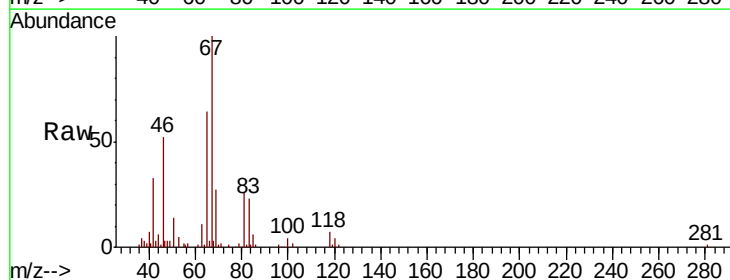
Acq: 28 Mar 2020 16:08

Tgt Ion: 63 Resp: 5434

Ion Ratio Lower Upper

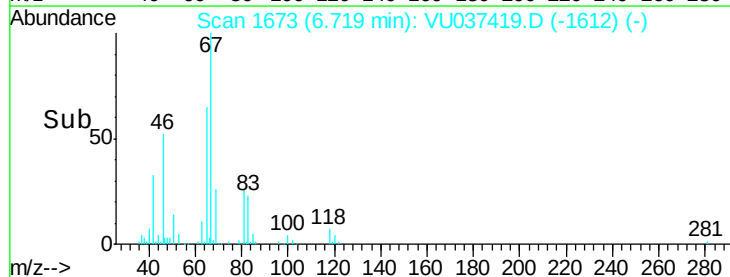
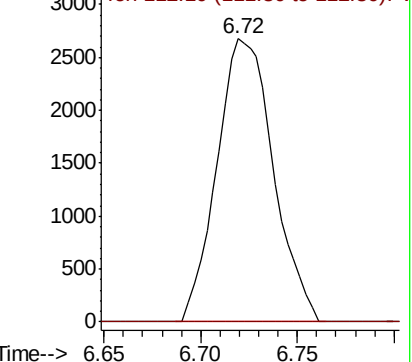
63 100

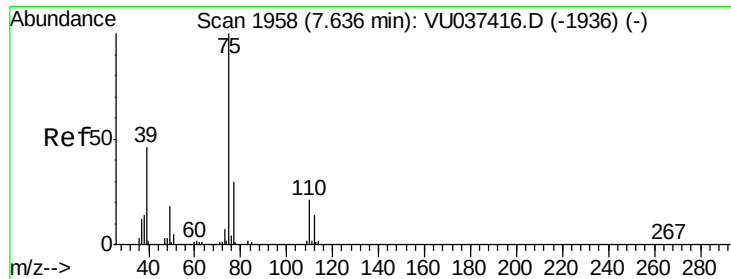
112 0.0 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU037419.D

Acq: 28 Mar 2020 16:08

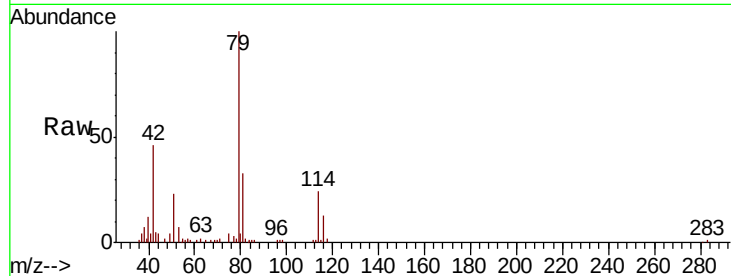
Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 75 Resp: 1672

Ion Ratio Lower Upper

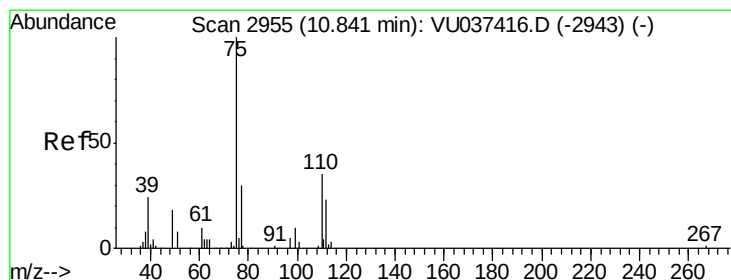
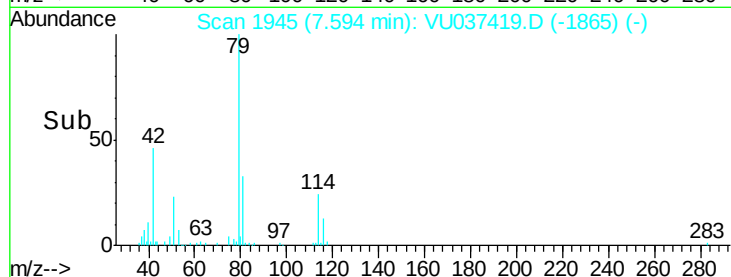
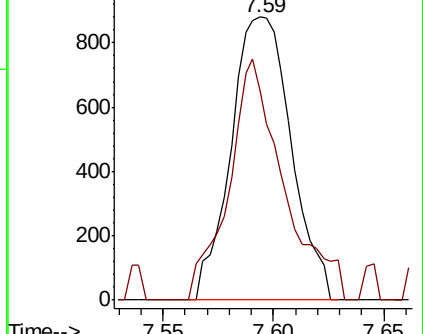
75 100

77 74.1 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 1.368 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU037419.D

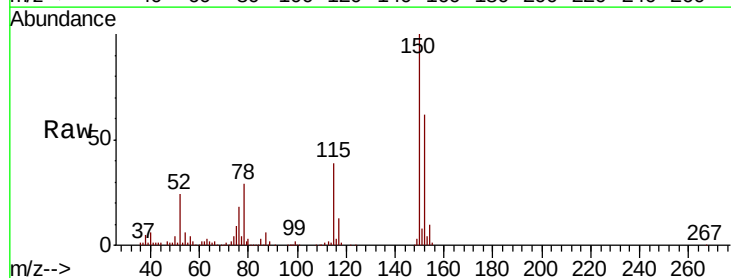
Acq: 28 Mar 2020 16:08

Tgt Ion: 75 Resp: 9010

Ion Ratio Lower Upper

75 100

77 41.5 27.4 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

