

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031120\  
 Data File : VU037168.D  
 Acq On : 11 Mar 2020 15:51  
 Operator : JC/MD  
 Sample : L1883-05  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CON81

Quant Time: Mar 12 01:58:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR031120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Mar 12 01:55:55 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 114359   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 117787   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 46073    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 36843    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.20%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 29822    | 5.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 112.40% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 58450    | 3.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.60%  |
| 20) 2-Butanone-d5              | 4.69   | 46    | 98478    | 51.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.54% |
| 24) Chloroform-d               | 5.10   | 84    | 76230    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 46175    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.60% |
| 32) Benzene-d6                 | 5.76   | 84    | 140951   | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 46126    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.60%  |
| 41) Toluene-d8                 | 7.93   | 98    | 126752   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.40%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 18020    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 95.40%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 76634    | 48.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 97.38%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 36919    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 43929    | 5.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.40% |

## Target Compounds

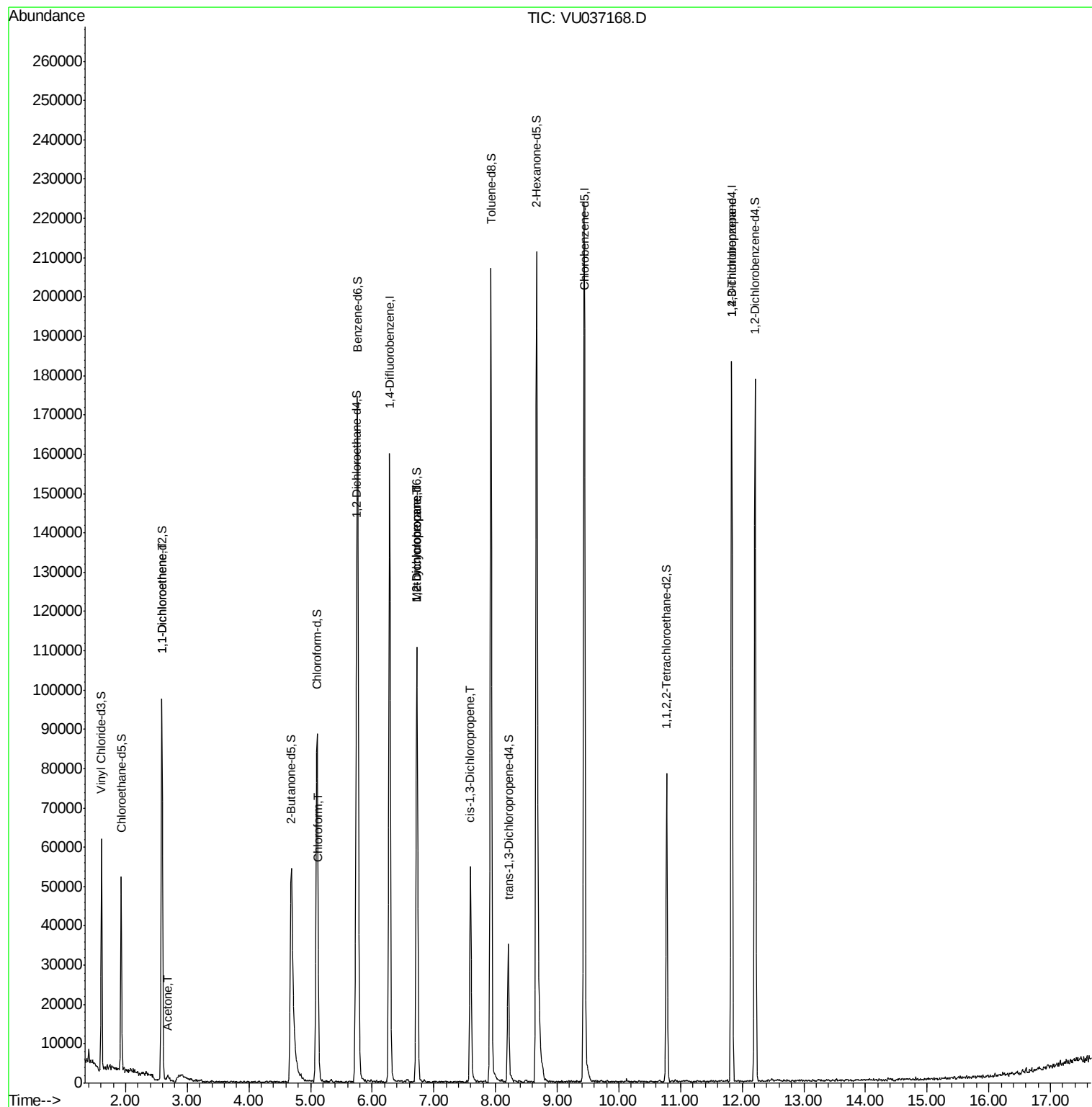
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene      | 2.59  | 96 | 566   | 0.076 ug/L # | 1      |
| 13) Acetone                 | 2.69  | 43 | 2102  | 1.335 ug/L   | 68     |
| 25) Chloroform              | 5.13  | 83 | 3149  | 0.181 ug/L   | 91     |
| 35) Methylcyclohexane       | 6.72  | 83 | 10449 | 0.719 ug/L # | 16     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 5303  | 0.579 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 1339  | 0.102 ug/L # | 61     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 6443  | 0.983 ug/L # | 86     |

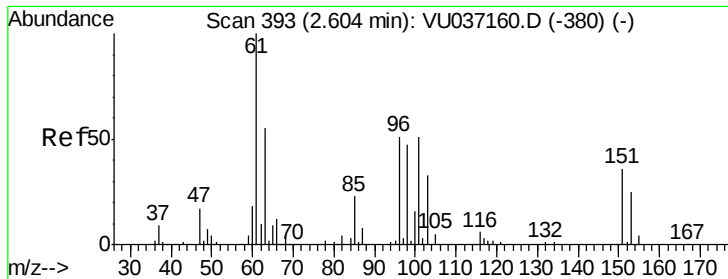
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Mar 12 01:55:55 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.076 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU037168.D

Acq: 11 Mar 2020 15:51

Instrument :

MSVOA\_U

ClientSampleId :

CON81

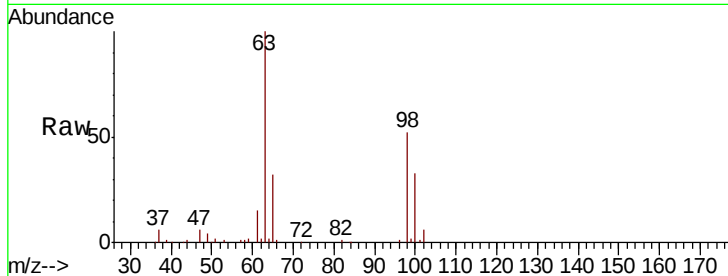
Tot Ion: 96 Resp: 566

Ion Ratio Lower Upper

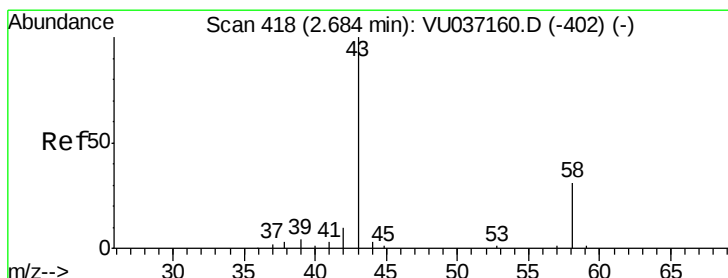
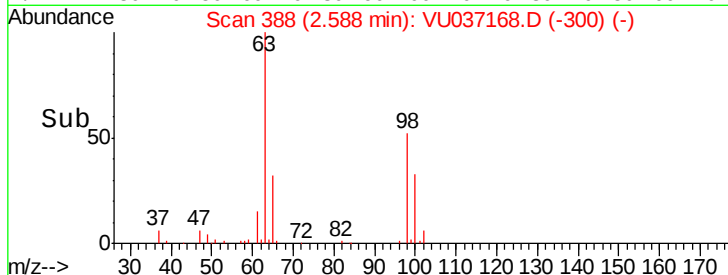
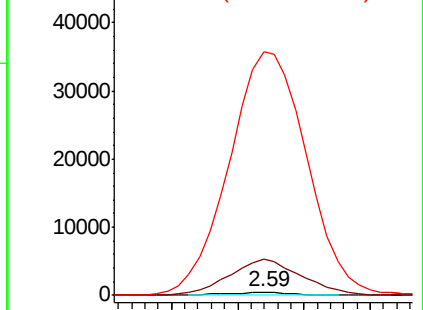
96 100

61 1116.6 136.4 253.2#

63 7621.3 86.2 160.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0  
Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 1.335 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.00 min

Lab File: VU037168.D

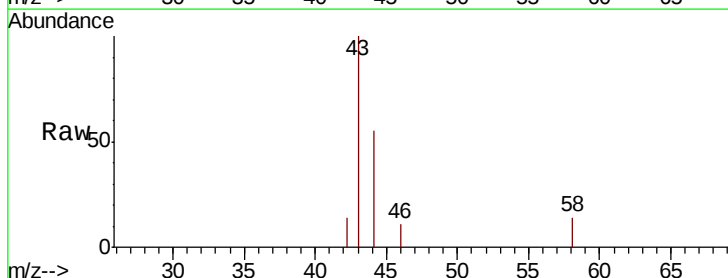
Acq: 11 Mar 2020 15:51

Tgt Ion: 43 Resp: 2102

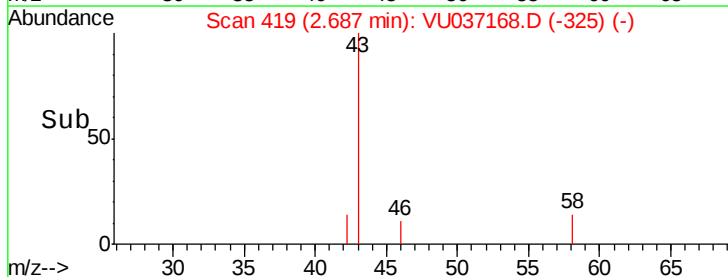
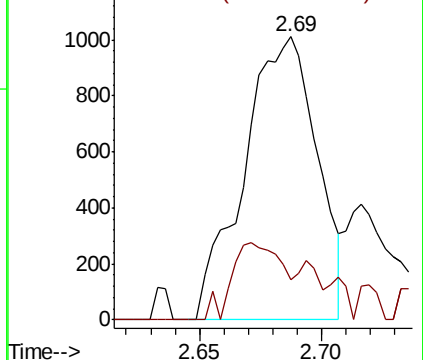
Ion Ratio Lower Upper

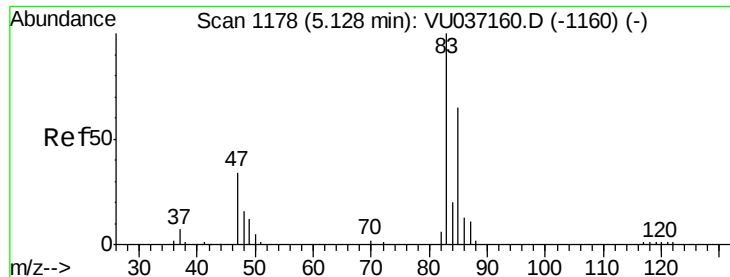
43 100

58 9.9 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU0  
Ion 58.05 (57.75 to 58.75): VU0

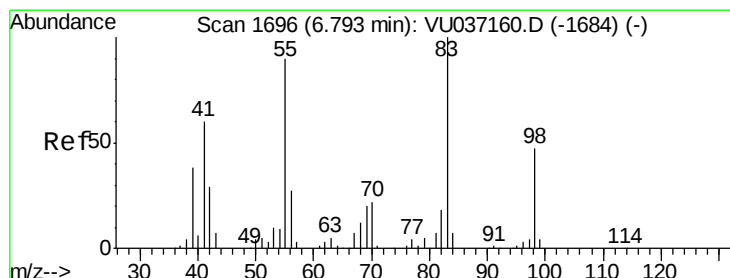
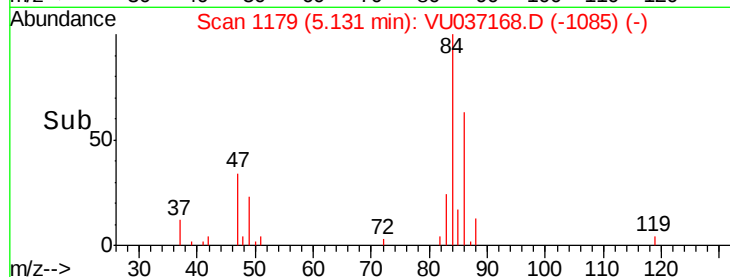
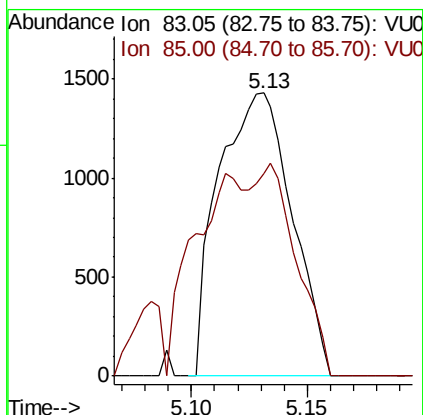
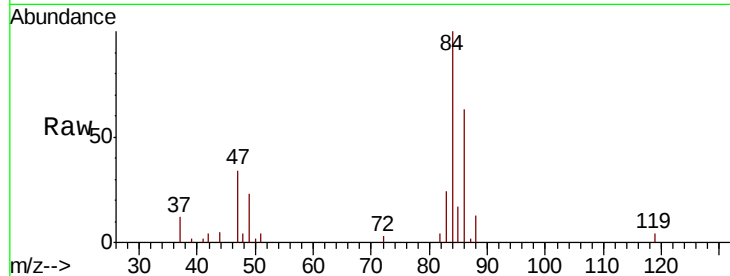




#25  
Chloroform  
Concen: 0.181 ug/L  
RT: 5.13 min Scan# 1179  
Delta R.T. 0.00 min  
Lab File: VU037168.D  
Acq: 11 Mar 2020 15:51

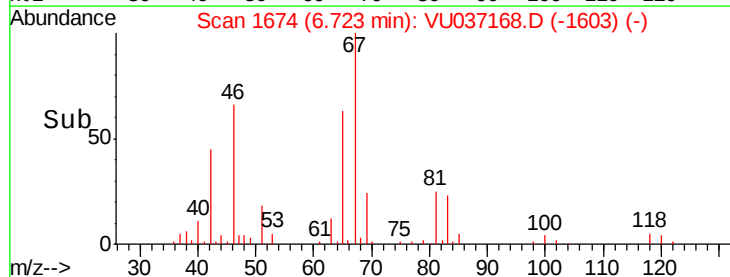
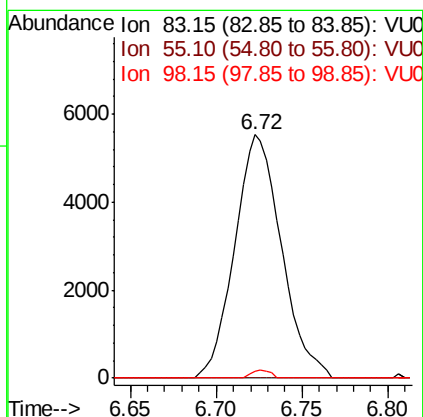
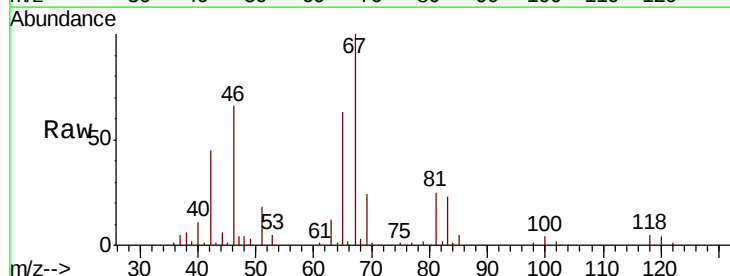
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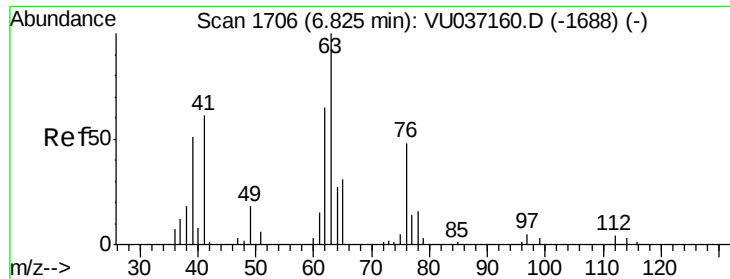
Tot Ion: 83 Resp: 3149  
Ion Ratio Lower Upper  
83 100  
85 71.5 45.3 84.1



#35  
Methylcyclohexane  
Concen: 0.719 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.07 min  
Lab File: VU037168.D  
Acq: 11 Mar 2020 15:51

Tgt Ion: 83 Resp: 10449  
Ion Ratio Lower Upper  
83 100  
55 0.0 68.1 102.1#  
98 1.4 37.0 55.4#

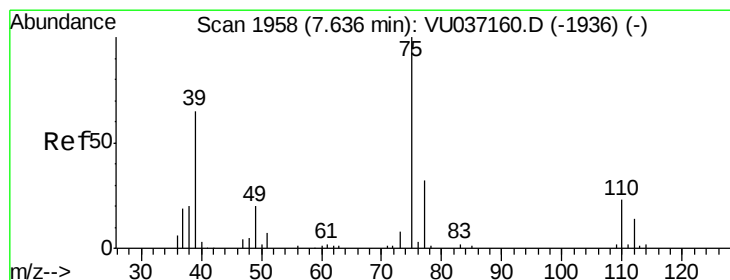
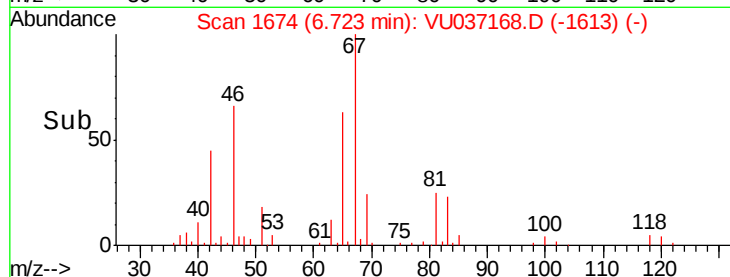
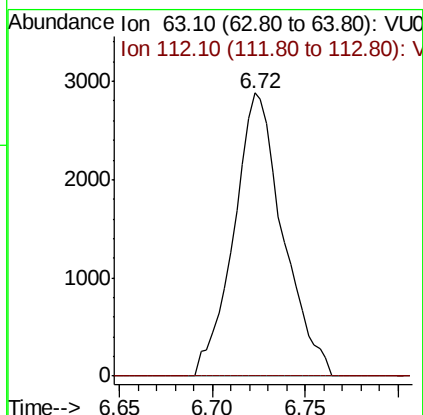
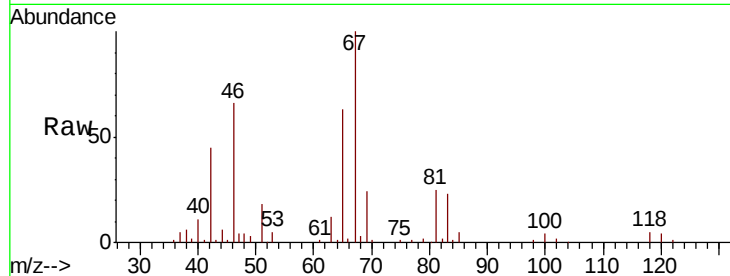




#37  
 1,2-Dichloropropane  
 Concen: 0.579 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU037168.D  
 Acq: 11 Mar 2020 15:51

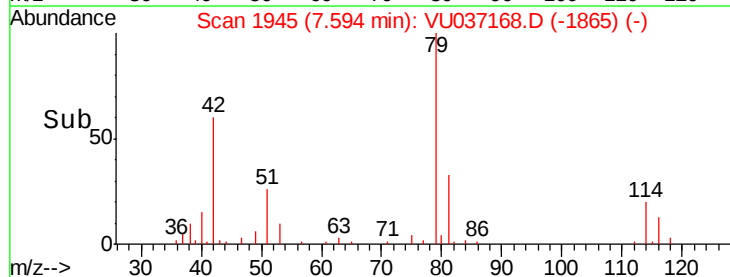
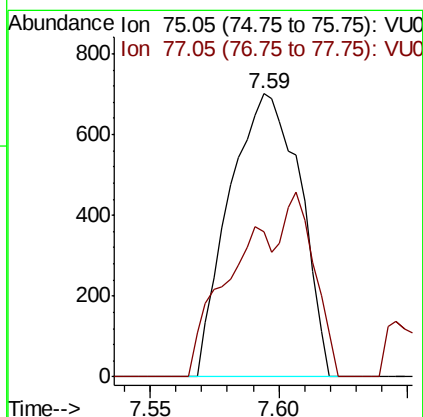
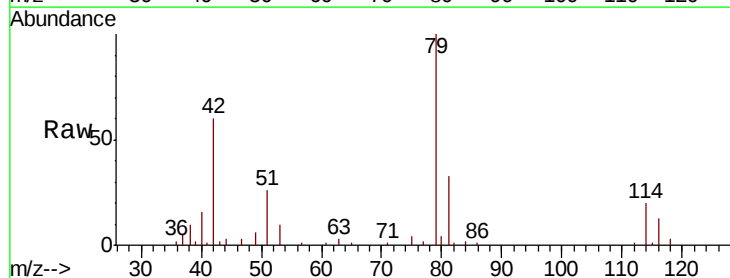
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CON81

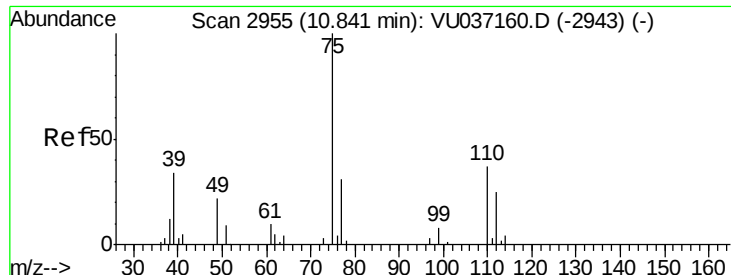
Tot Ion: 63 Resp: 5303  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.0 4.6#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.102 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU037168.D  
 Acq: 11 Mar 2020 15:51

Tgt Ion: 75 Resp: 1339  
 Ion Ratio Lower Upper  
 75 100  
 77 51.2 21.1 39.1#





#59

1,2,3-Trichloropropane

Concen: 0.983 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU037168.D

Acq: 11 Mar 2020 15:51

Instrument :

MSVOA\_U

ClientSampleId :

CON81

Tot Ion: 75 Resp: 6443

Ion Ratio Lower Upper

75 100

77 42.0 27.4 41.0#

