

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042220\  
 Data File : VU037846.D  
 Acq On : 22 Apr 2020 16:28  
 Operator : JC/MD  
 Sample : L2388-04  
 Misc : 25mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 23 01:39:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR041420WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Apr 23 01:37:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 266872   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 259114   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 128636   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 67404    | 3.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 66.80%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 67944    | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 79.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 90230    | 2.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 50.20%# |
| 20) 2-Butanone-d5              | 4.66   | 46    | 305572   | 55.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 110.20% |
| 24) Chloroform-d               | 5.10   | 84    | 148589   | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 91194    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.40%  |
| 32) Benzene-d6                 | 5.76   | 84    | 299463   | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 108096   | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.80%  |
| 41) Toluene-d8                 | 7.92   | 98    | 263120   | 4.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 82.80%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 43809    | 4.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.60%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 266698   | 50.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.82% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 88830    | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 106373   | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 92.60%  |

## Target Compounds

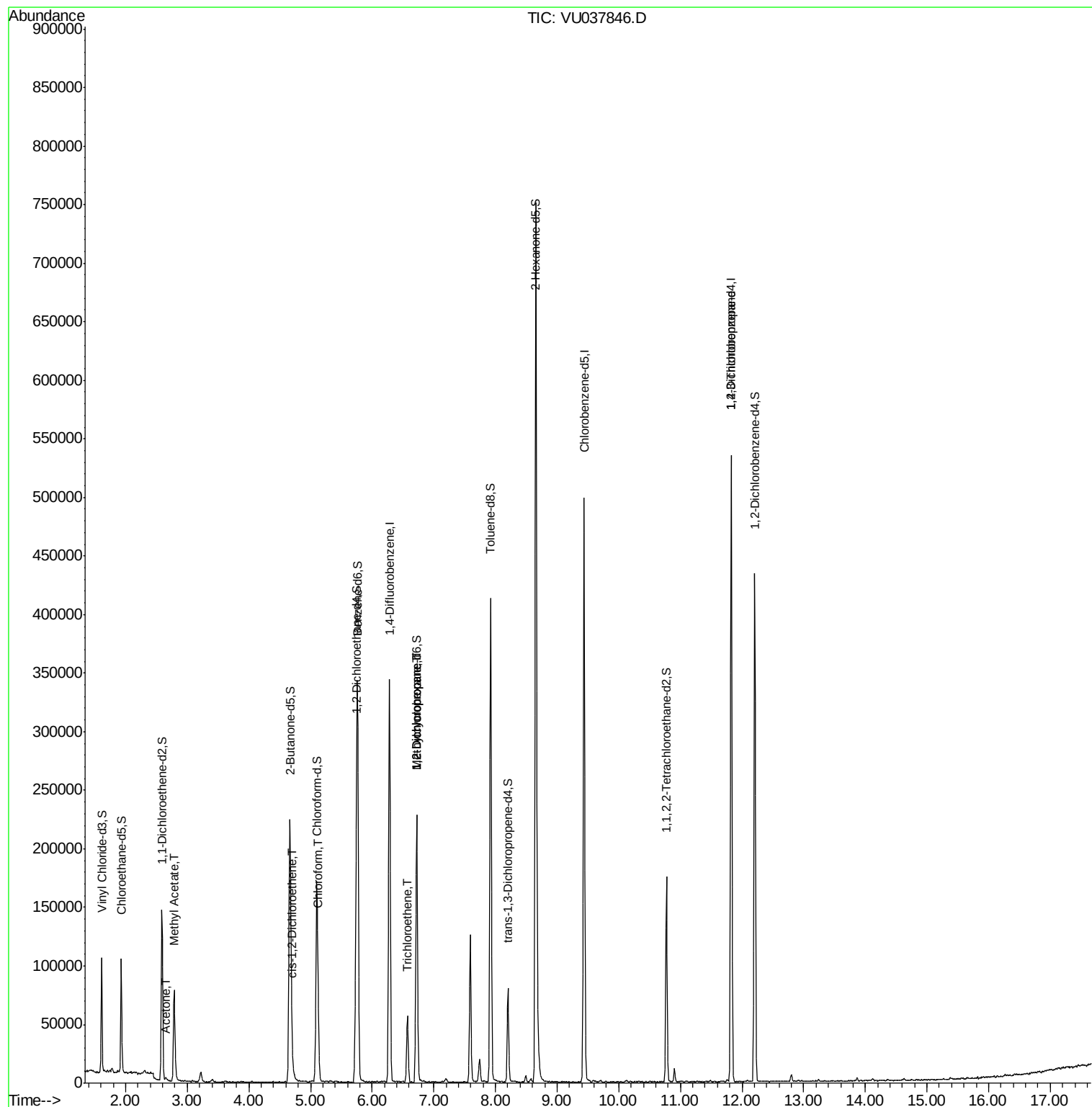
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 13) Acetone                | 2.66  | 43   | 3933     | 1.076 | ug/L   | 84     |
| 15) Methyl Acetate         | 2.79  | 43   | 19310    | 1.899 | ug/L # | 54     |
| 22) cis-1,2-Dichloroethene | 4.71  | 96   | 2975     | 0.138 | ug/L   | 99     |
| 25) Chloroform             | 5.13  | 83   | 22043    | 0.601 | ug/L   | 95     |
| 34) Trichloroethene        | 6.57  | 95   | 19139    | 0.910 | ug/L   | 91     |
| 35) Methylcyclohexane      | 6.72  | 83   | 24875    | 0.675 | ug/L # | 16     |
| 37) 1,2-Dichloropropane    | 6.72  | 63   | 11219    | 0.494 | ug/L # | 87     |
| 59) 1,2,3-Trichloropropane | 11.83 | 75   | 18252    | 1.228 | ug/L   | 91     |

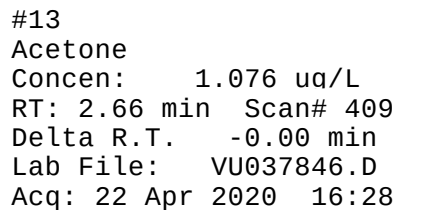
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : JC/MD  
Sample : L2388-04  
Misc : 25mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

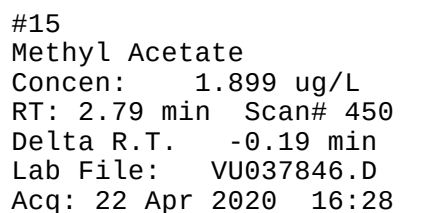
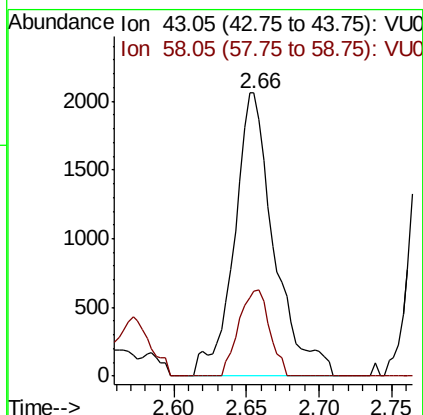
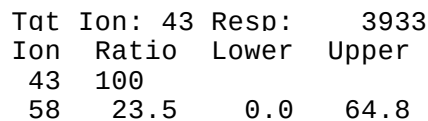
Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Apr 23 01:39:49 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR041420WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Apr 23 01:37:32 2020  
Response via : Initial Calibration

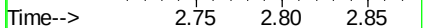
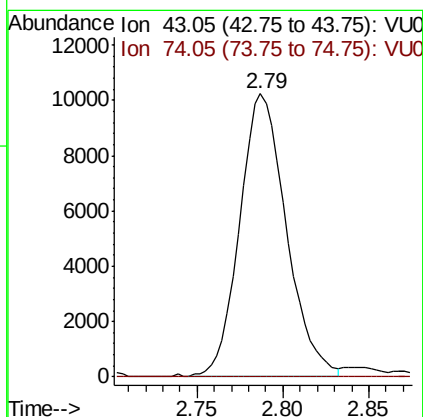


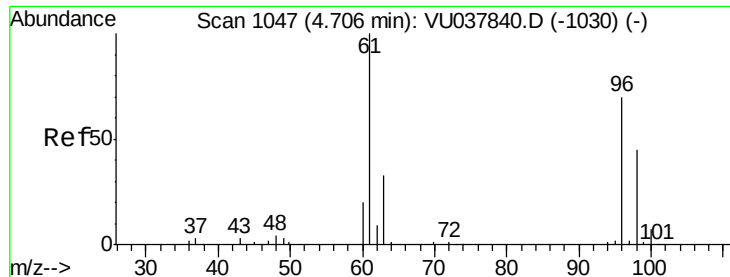


Instrument :  
MSVOA\_U  
ClientSampleId :



|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion: 43 | Resp: | 19310 |
| Ion | Ratio   | Lower | Upper |
| 43  | 100     |       |       |
| 74  | 0.0     | 17.2  | 25.8# |





#22

cis-1,2-Dichloroethene

Concen: 0.138 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037846.D

Acq: 22 Apr 2020 16:28

Instrument :  
MSVOA\_U  
ClientSampled :

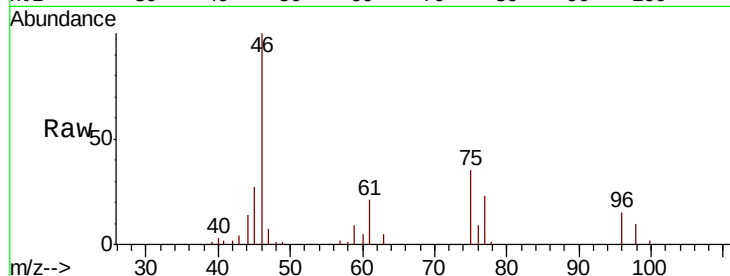
Tot Ion: 96 Resp: 2975

Ion Ratio Lower Upper

96 100

61 140.1 97.0 180.2

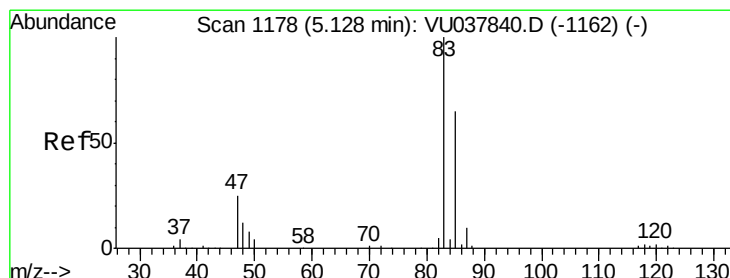
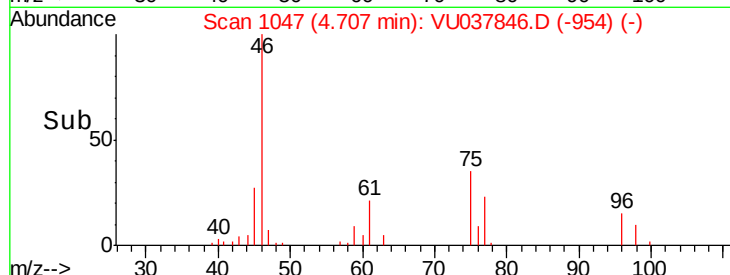
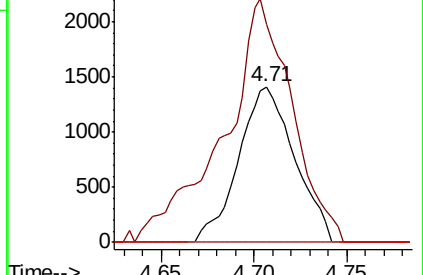
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037846.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU037846.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU037846.D (-1030) (-)



#25

Chloroform

Concen: 0.601 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037846.D

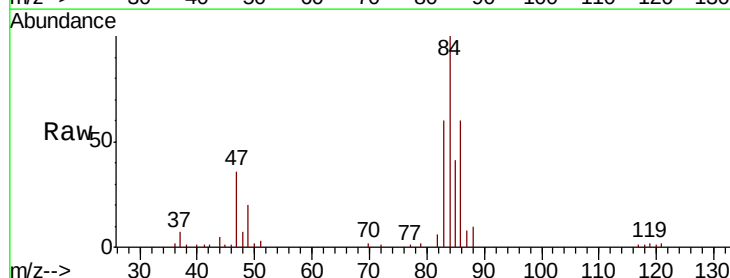
Acq: 22 Apr 2020 16:28

Tgt Ion: 83 Resp: 22043

Ion Ratio Lower Upper

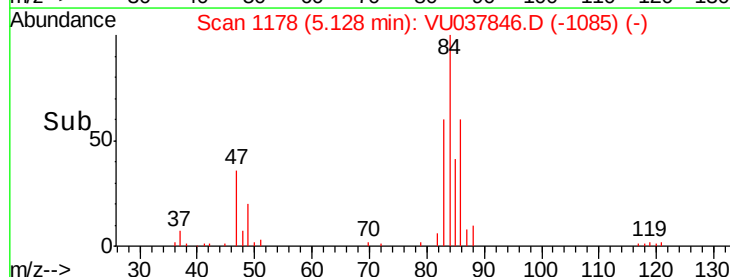
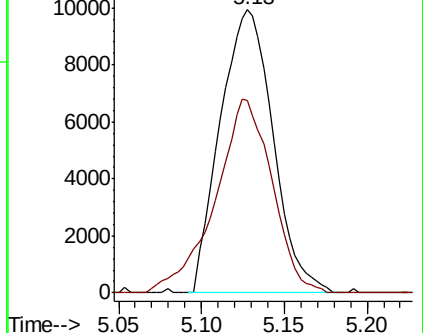
83 100

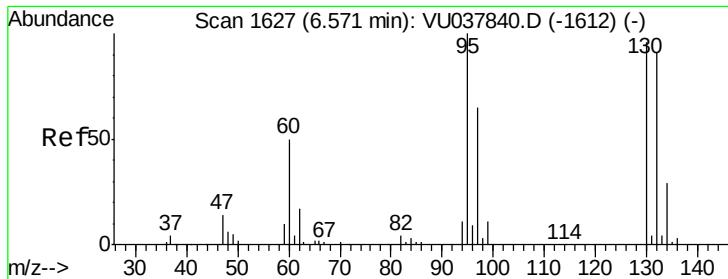
85 68.0 44.9 83.3



Abundance Ion 83.05 (82.75 to 83.75): VU037846.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU037846.D (-1162) (-)





#34

Trichloroethene

Concen: 0.910 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037846.D

Acq: 22 Apr 2020 16:28

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 95 Resp: 19139

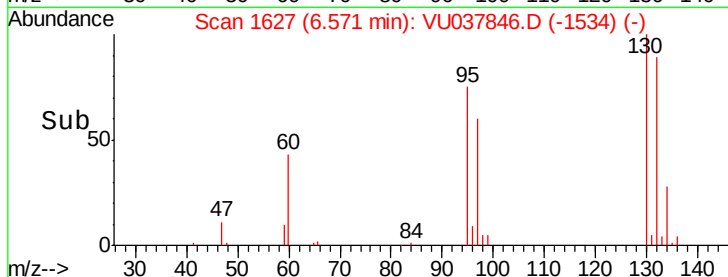
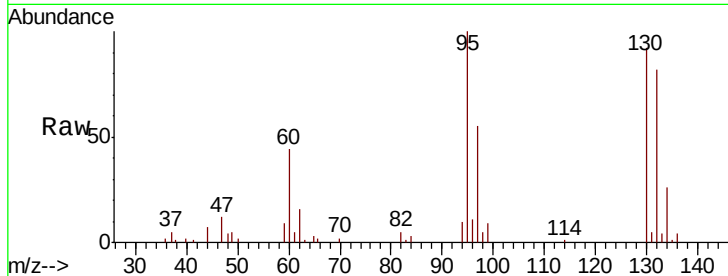
Ion Ratio Lower Upper

95 100

97 55.3 45.4 84.2

132 81.9 63.7 118.3

130 92.4 68.7 127.5

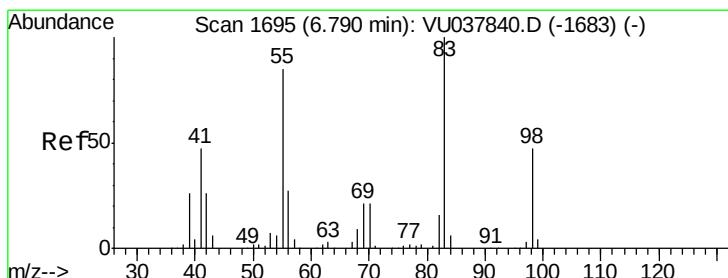
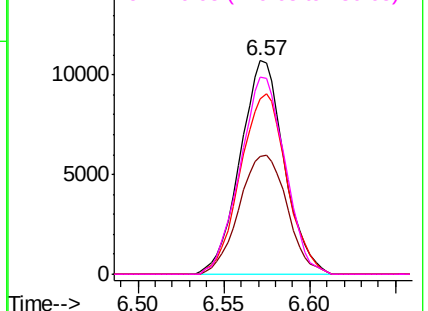


Abundance Ion 95.00 (94.70 to 95.70): VU037846.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU037846.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU037846.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU037846.D (-1534) (-)



#35

Methylcyclohexane

Concen: 0.675 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU037846.D

Acq: 22 Apr 2020 16:28

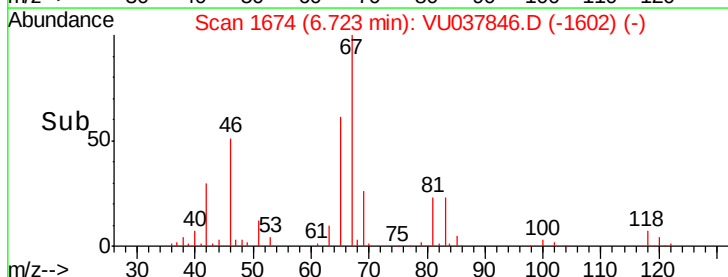
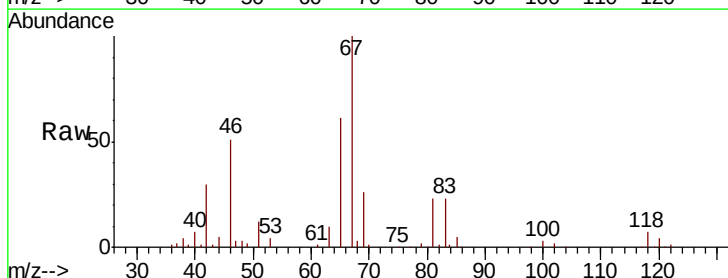
Tgt Ion: 83 Resp: 24875

Ion Ratio Lower Upper

83 100

55 0.5 65.5 98.3#

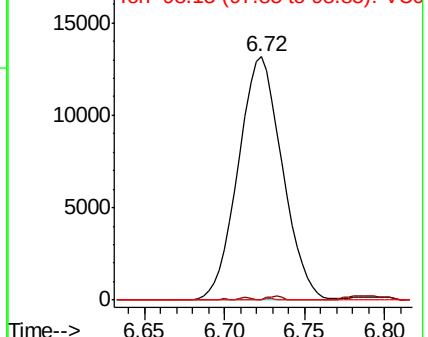
98 0.2 38.2 57.4#

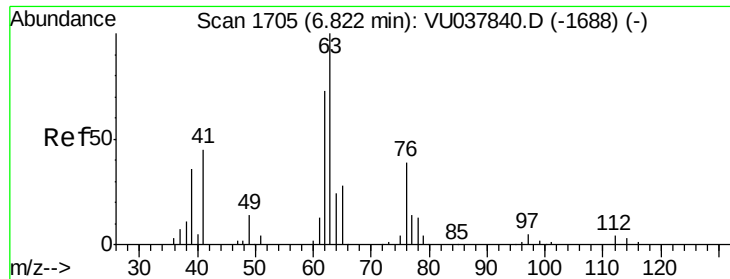


Abundance Ion 83.15 (82.85 to 83.85): VU037846.D (-1602) (-)

Ion 55.10 (54.80 to 55.80): VU037846.D (-1602) (-)

Ion 98.15 (97.85 to 98.85): VU037846.D (-1602) (-)

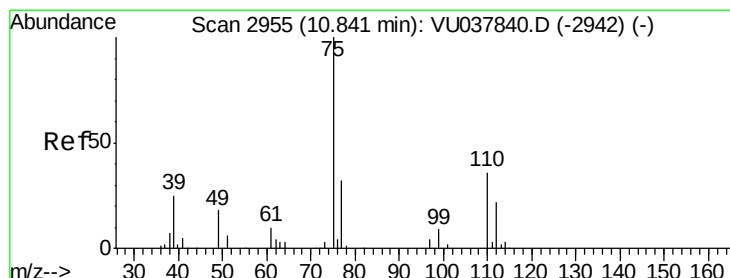
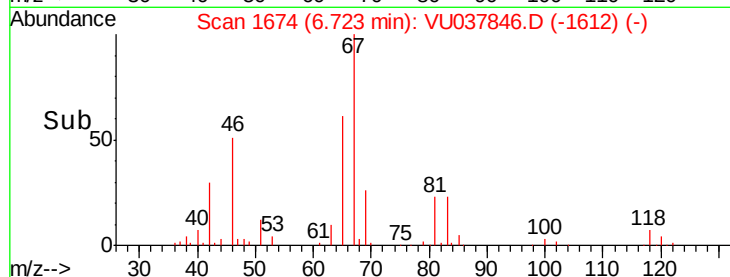
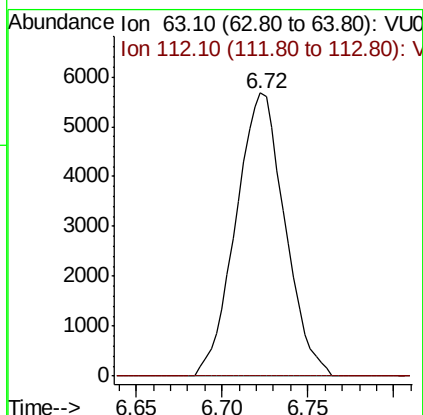
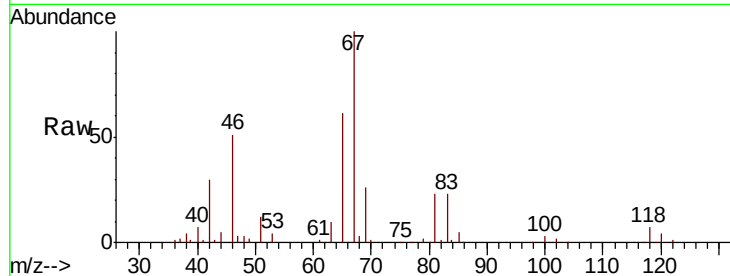




#37  
 1,2-Dichloropropane  
 Concen: 0.494 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU037846.D  
 Acq: 22 Apr 2020 16:28

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 63 Resp: 11219  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.0#



#59  
 1,2,3-Trichloropropane  
 Concen: 1.228 ug/L  
 RT: 11.83 min Scan# 3261  
 Delta R.T. 0.98 min  
 Lab File: VU037846.D  
 Acq: 22 Apr 2020 16:28

Tgt Ion: 75 Resp: 18252  
 Ion Ratio Lower Upper  
 75 100  
 77 37.1 25.4 38.2

