

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\  
 Data File : VU037393.D  
 Acq On : 28 Mar 2020 00:48  
 Operator : JC/MD  
 Sample : L1975-16 50X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 28 01:58:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032720WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 28 01:55:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 264452   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 249213   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 129415   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 80266    | 47.32    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.64% |
| 7) Chloroethane-d5             | 1.93    | 69    | 65434    | 47.20    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.40% |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 125482   | 34.03    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.06% |
| 21) 2-Butanone-d5              | 4.67    | 46    | 135305   | 88.75    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 88.75% |
| 24) Chloroform-d               | 5.10    | 84    | 160163   | 45.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.16% |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 112270   | 49.04    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.08% |
| 32) Benzene-d6                 | 5.76    | 84    | 328267   | 48.37    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.74% |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 108058   | 48.72    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.44% |
| 41) Toluene-d8                 | 7.92    | 98    | 318941   | 49.45    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.90% |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 58761    | 45.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.86% |
| 47) 2-Hexanone-d5              | 8.65    | 63    | 113088   | 88.78    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 88.78% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 158378   | 47.70    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 129460   | 49.33    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.66% |

## Target Compounds

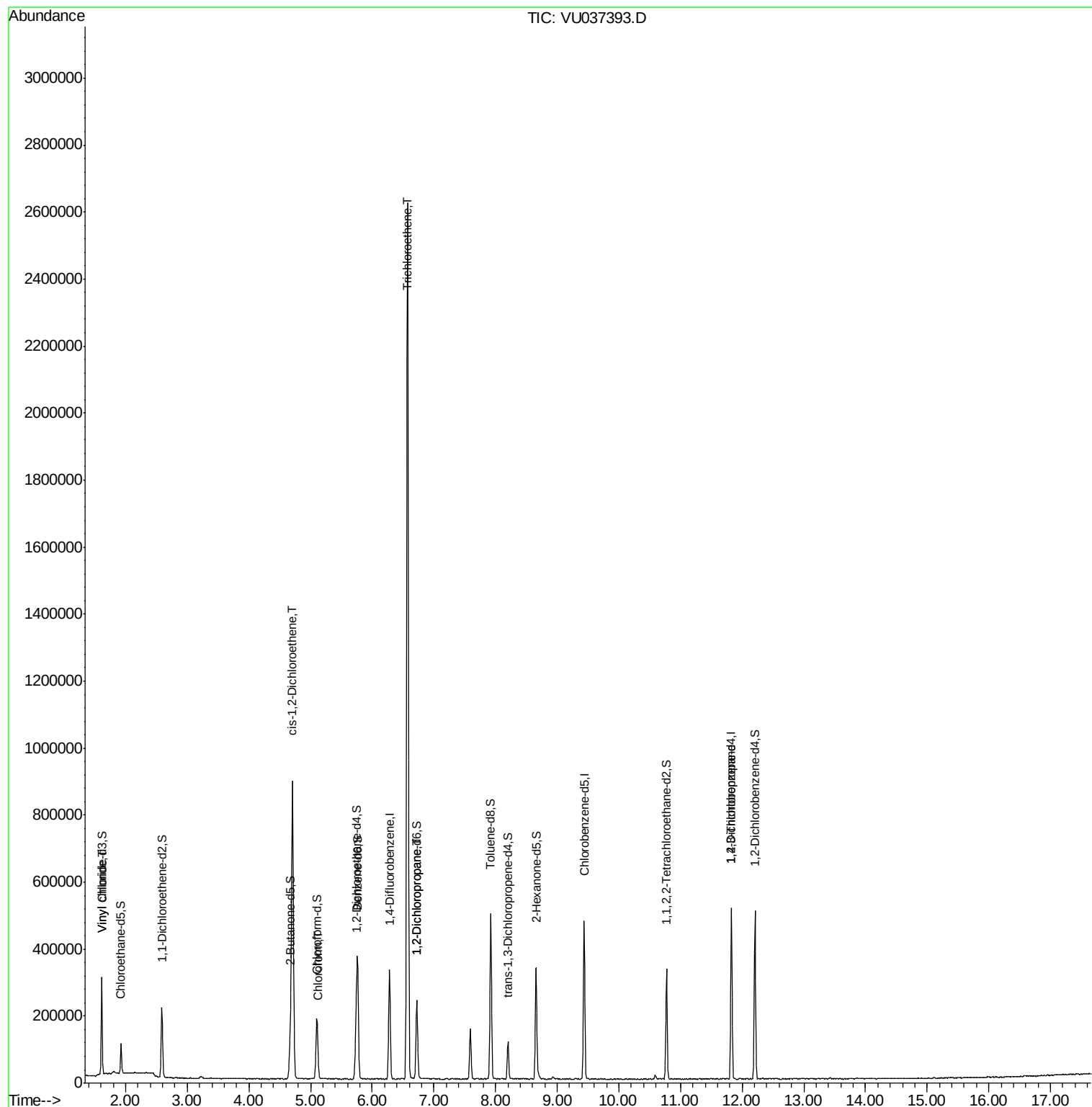
|                            |       |    |        |         | Ovalue    |
|----------------------------|-------|----|--------|---------|-----------|
| 5) Vinyl chloride          | 1.62  | 62 | 117448 | 50.163  | ug/L 100  |
| 20) cis-1,2-Dichloroethene | 4.71  | 96 | 450398 | 189.196 | ug/L # 99 |
| 25) Chloroform             | 5.13  | 83 | 5202   | 1.282   | ug/L 91   |
| 34) Trichloroethene        | 6.57  | 95 | 879809 | 374.491 | ug/L 99   |
| 37) 1,2-Dichloropropane    | 6.72  | 63 | 12237  | 5.242   | ug/L # 88 |
| 59) 1,2,3-Trichloropropane | 11.83 | 75 | 15412  | 4.800   | ug/L # 84 |

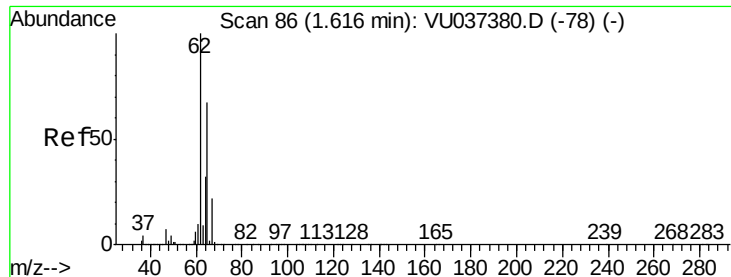
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Mar 28 01:55:20 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 50.163 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037393.D

Acq: 28 Mar 2020 00:48

Instrument :

MSVOA\_U

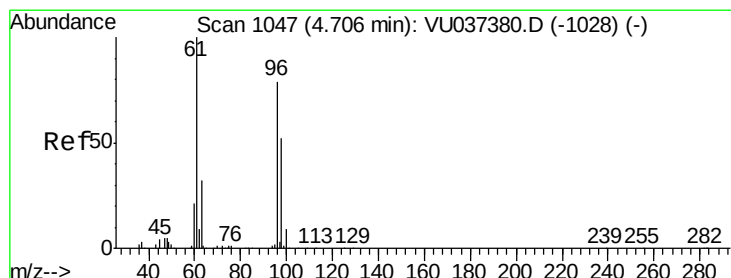
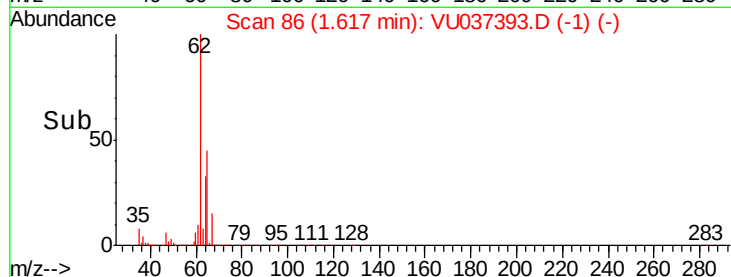
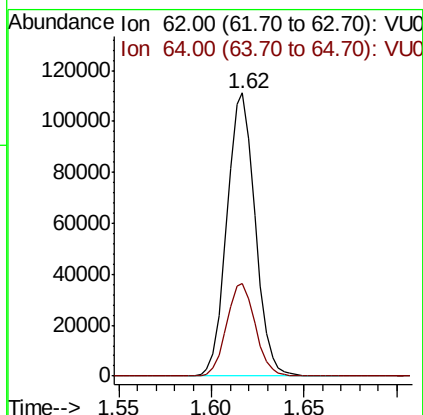
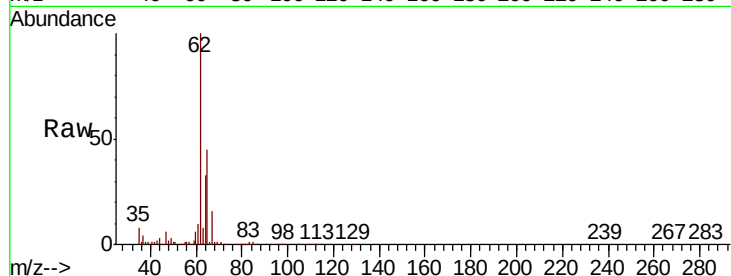
ClientSampled :

Tot Ion: 62 Resp: 117448

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.8



#20

cis-1,2-Dichloroethene

Concen: 189.196 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037393.D

Acq: 28 Mar 2020 00:48

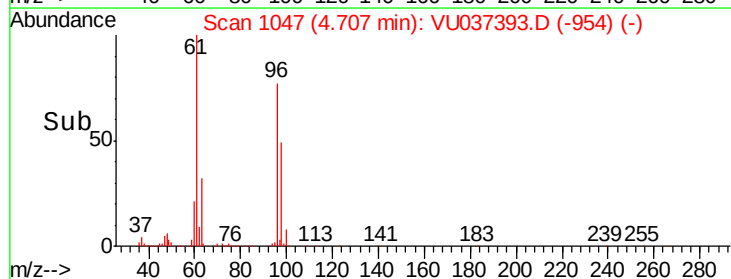
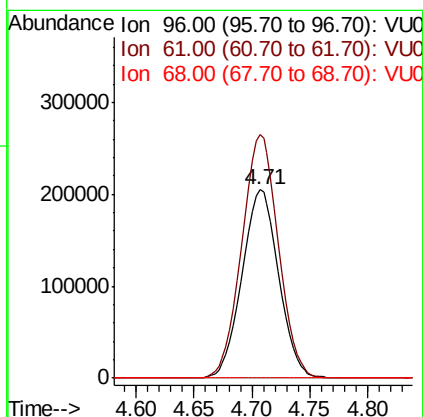
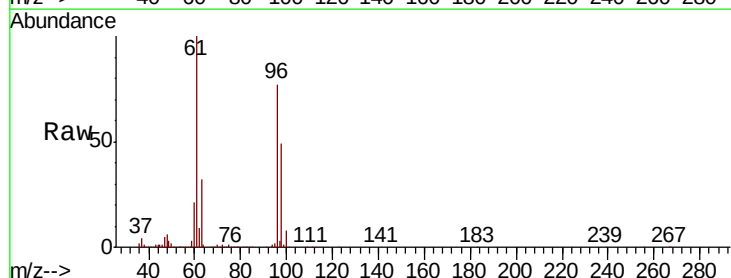
Tgt Ion: 96 Resp: 450398

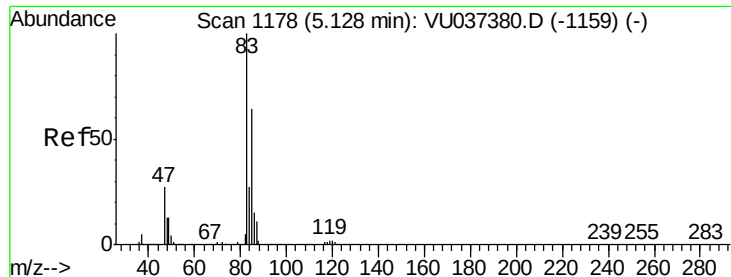
Ion Ratio Lower Upper

96 100

61 129.3 89.4 166.0

68 0.1 0.3 0.7#

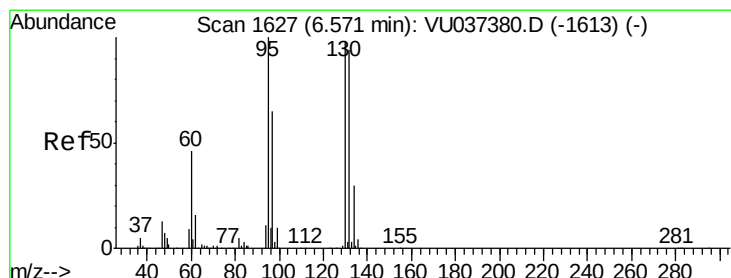
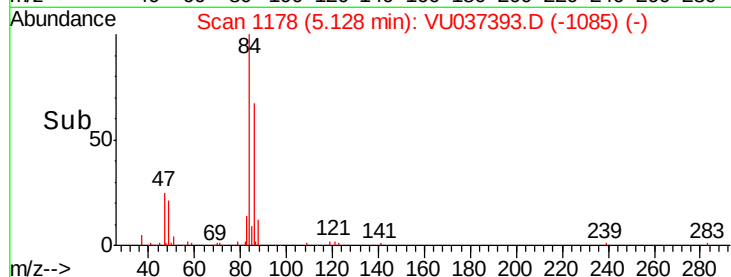
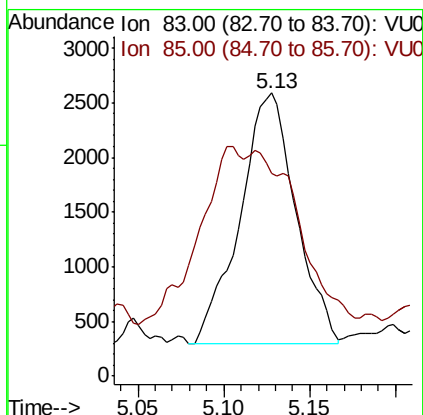
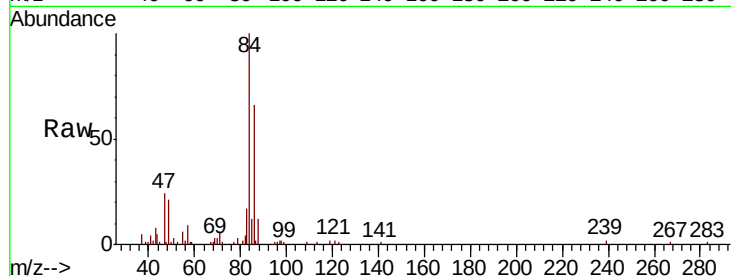




#25  
Chloroform  
Concen: 1.282 ug/L  
RT: 5.13 min Scan# 1178  
Delta R.T. 0.00 min  
Lab File: VU037393.D  
Acq: 28 Mar 2020 00:48

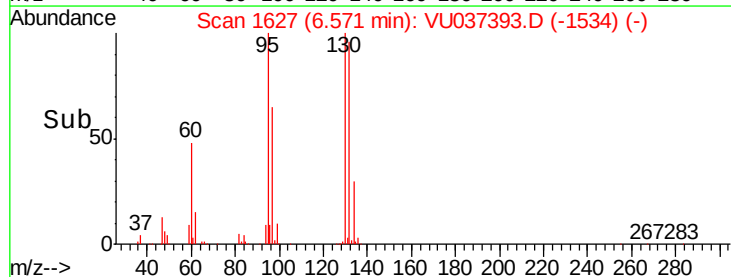
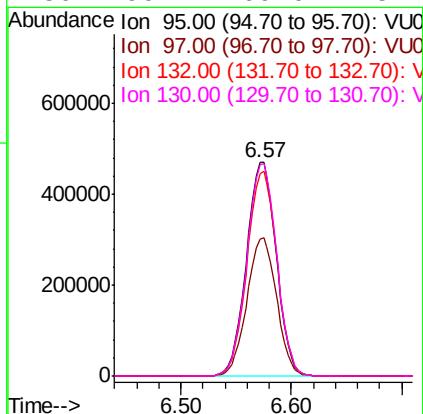
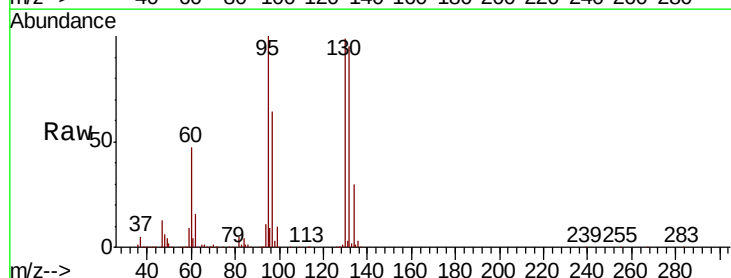
Instrument :  
MSVOA\_U  
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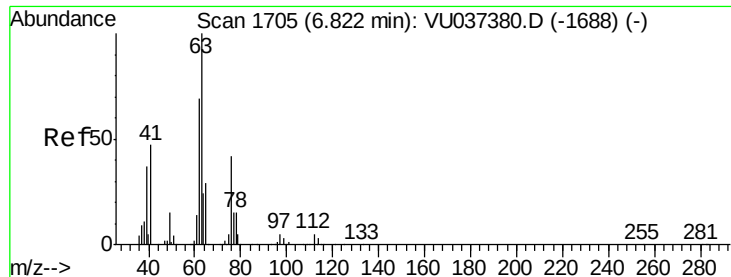
Tot Ion: 83 Resp: 5202  
Ion Ratio Lower Upper  
83 100  
85 71.6 45.1 83.7



#34  
Trichloroethene  
Concen: 374.491 ug/L  
RT: 6.57 min Scan# 1627  
Delta R.T. 0.00 min  
Lab File: VU037393.D  
Acq: 28 Mar 2020 00:48

Tgt Ion: 95 Resp: 879809  
Ion Ratio Lower Upper  
95 100  
97 64.3 46.1 85.5  
132 94.9 66.3 123.1  
130 99.1 69.0 128.1





#37

1,2-Dichloropropane

Concen: 5.242 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

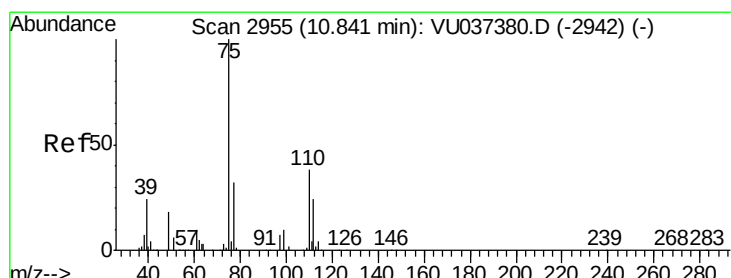
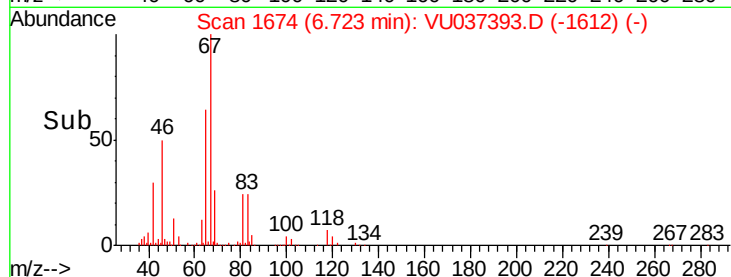
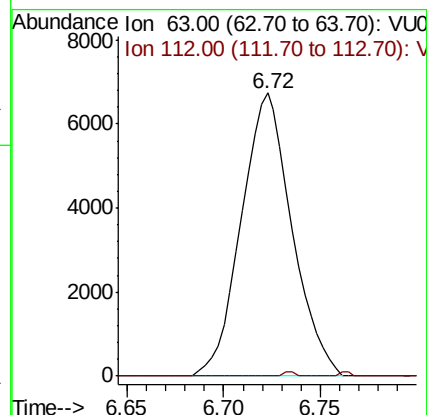
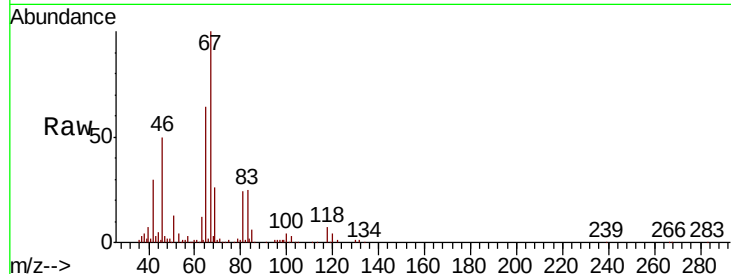
Lab File: VU037393.D

Acq: 28 Mar 2020 00:48

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 63 Resp: 12237

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 112 | 0.4   | 3.4   | 5.0#  |



#59

1,2,3-Trichloropropane

Concen: 4.800 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037393.D

Acq: 28 Mar 2020 00:48

Tgt Ion: 75 Resp: 15412

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 40.8  | 25.6  | 38.4# |

