

Data File : VU037309.D  
Acq On : 17 Mar 2020 12:19  
Operator : JC/MD  
Sample : L1901-06DL 10X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0NC9DL

Quant Time: Mar 18 02:38:25 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031220WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Mar 18 02:36:04 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 443116   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 427043   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 174463   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 133773   | 39.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 78.02%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 123234   | 44.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 89.14%  |
| 11) 1,1-Dichloroethene-d2      | 2.66    | 63    | 324      | 0.05     | ug/L | 0.07    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 0.10%#  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 243737   | 89.81    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.81%  |
| 24) Chloroform-d               | 5.11    | 84    | 292430   | 44.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.70%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 217924   | 45.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.30%  |
| 32) Benzene-d6                 | 5.76    | 84    | 545123   | 46.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.74%  |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 180357   | 46.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.74%  |
| 41) Toluene-d8                 | 7.93    | 98    | 510360   | 45.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.82%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 93106    | 44.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.90%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 172656   | 86.66    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 86.66%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78   | 84    | 260264   | 43.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 87.32%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 184302   | 50.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.86% |

#### Target Compounds

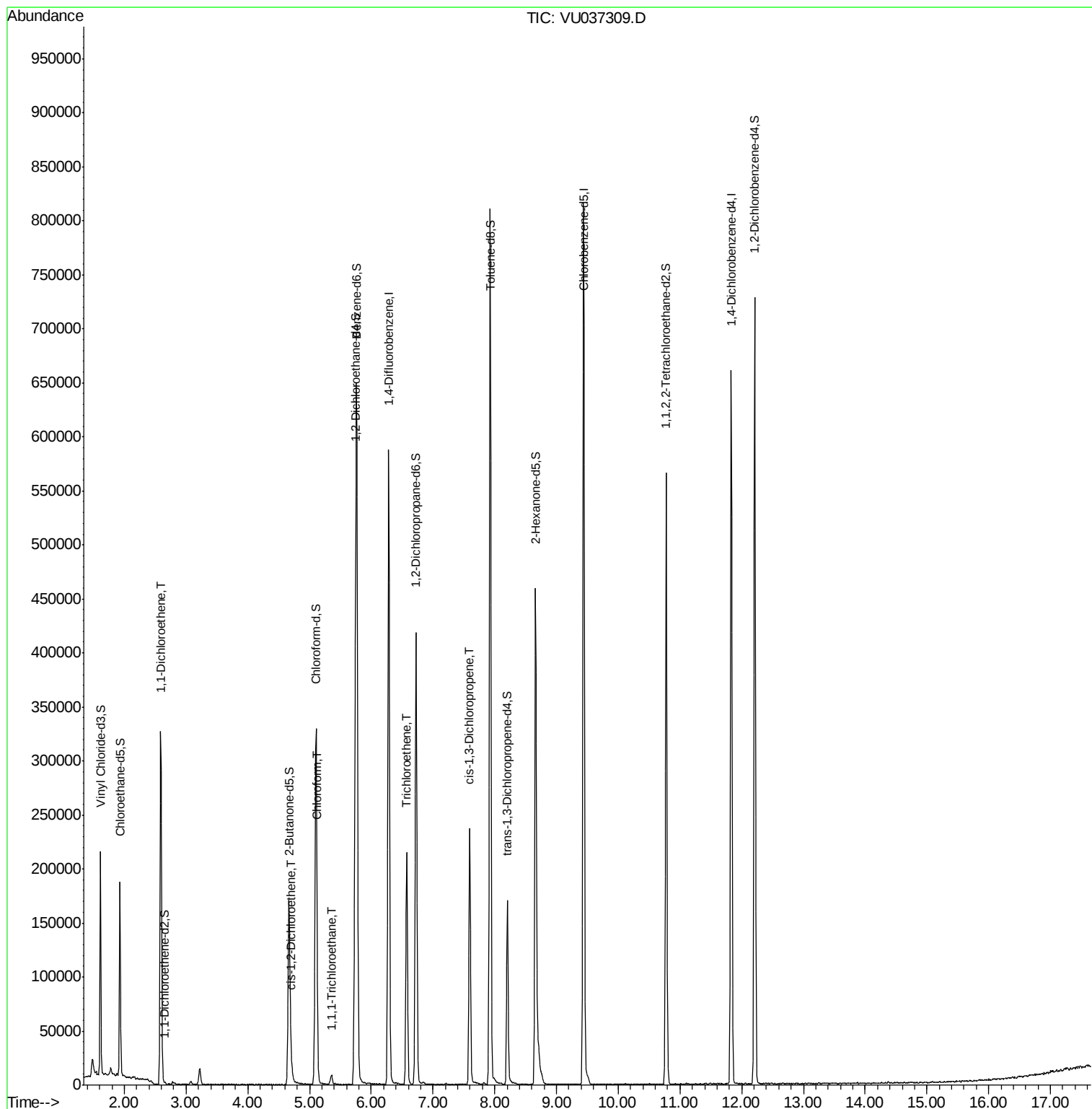
|                             |      |    |       |              | Qvalue |
|-----------------------------|------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene      | 2.60 | 96 | 5389  | 2.061 ug/L # | 1      |
| 20) cis-1,2-Dichloroethene  | 4.71 | 96 | 4864  | 1.468 ug/L   | 91     |
| 25) Chloroform              | 5.13 | 83 | 7077  | 1.068 ug/L   | 100    |
| 30) 1,1,1-Trichloroethane   | 5.36 | 97 | 6974  | 1.230 ug/L # | 81     |
| 34) Trichloroethene         | 6.57 | 95 | 70834 | 21.656 ug/L  | 97     |
| 39) cis-1,3-Dichloropropene | 7.59 | 75 | 7313  | 1.318 ug/L   | 87     |

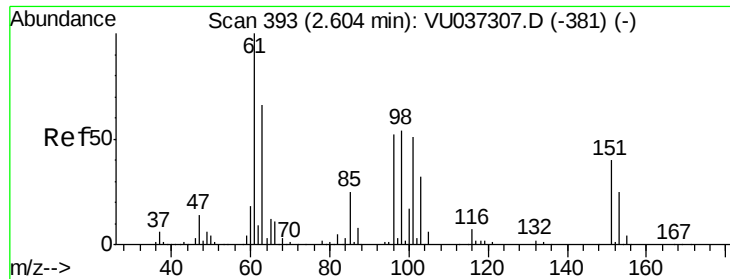
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Mar 18 02:36:04 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 2.061 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037309.D

Acq: 17 Mar 2020 12:19

Instrument :

MSVOA\_U

ClientSampleId :

C0NC9DL

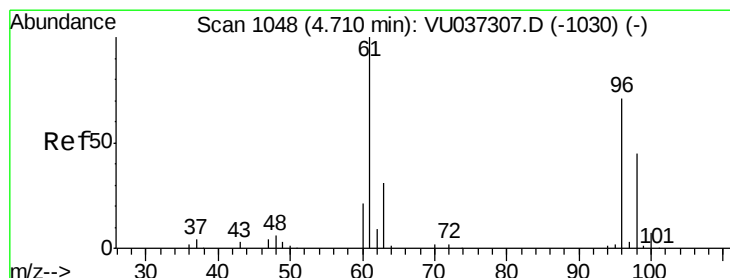
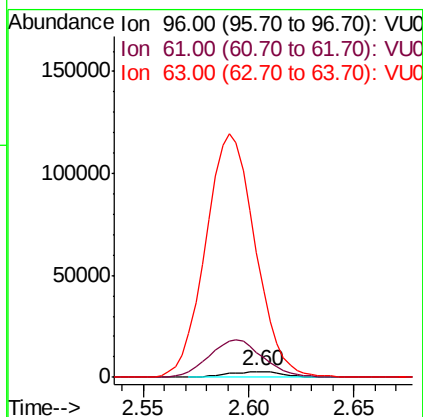
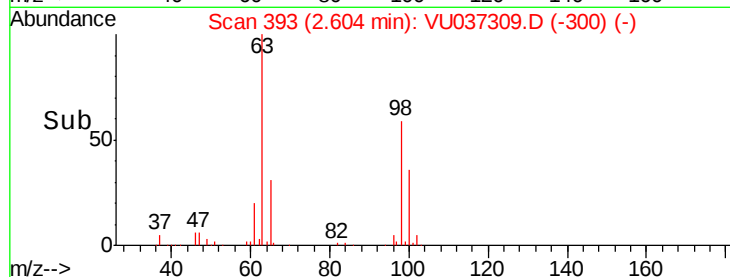
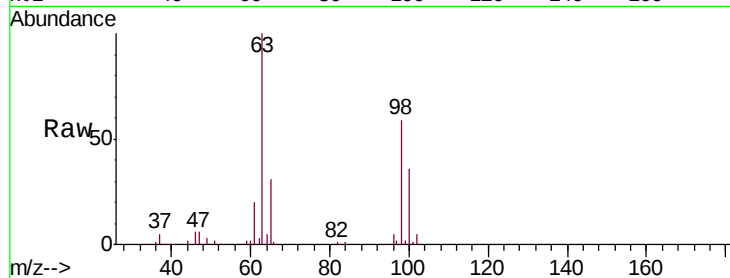
Tgt Ion: 96 Resp: 5389

Ion Ratio Lower Upper

96 100

61 444.4 138.8 257.8#

63 2186.6 106.4 197.6#



#20

cis-1,2-Dichloroethene

Concen: 1.468 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037309.D

Acq: 17 Mar 2020 12:19

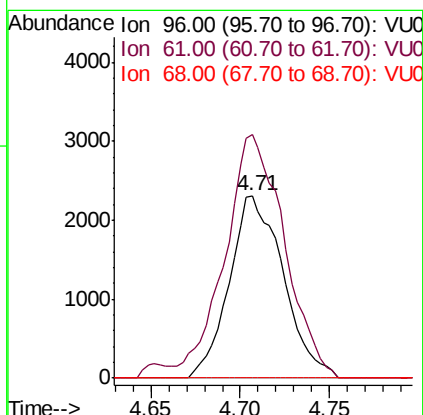
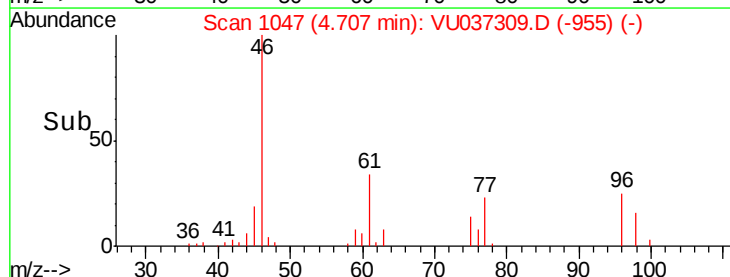
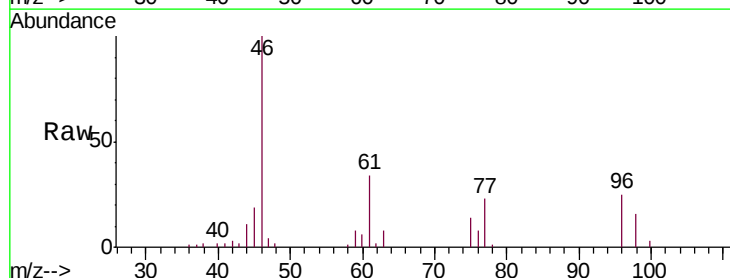
Tgt Ion: 96 Resp: 4864

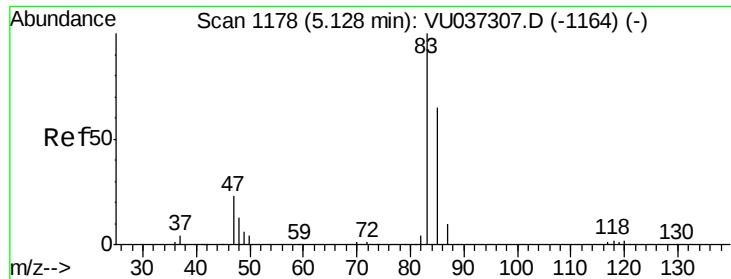
Ion Ratio Lower Upper

96 100

61 133.5 101.2 187.8

68 0.0 0.0 0.0

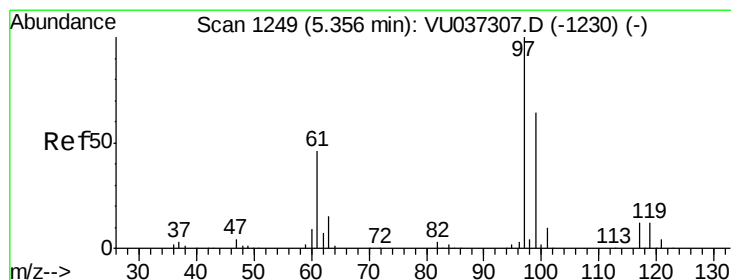
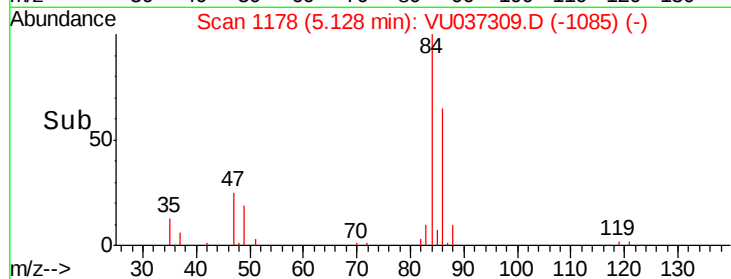
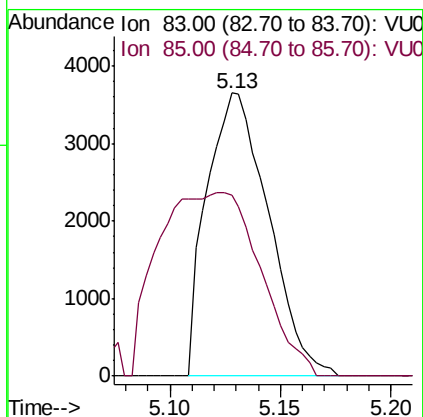
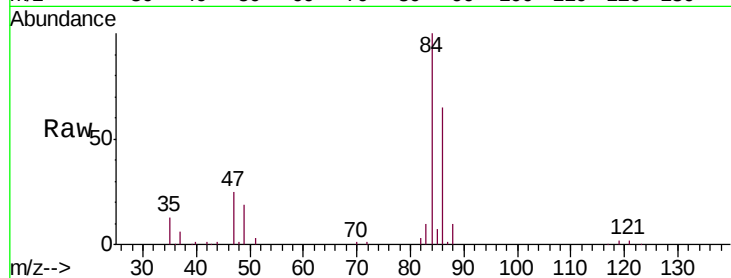




#25  
Chloroform  
Concen: 1.068 ug/L  
RT: 5.13 min Scan# 1178  
Delta R.T. 0.00 min  
Lab File: VU037309.D  
Acq: 17 Mar 2020 12:19

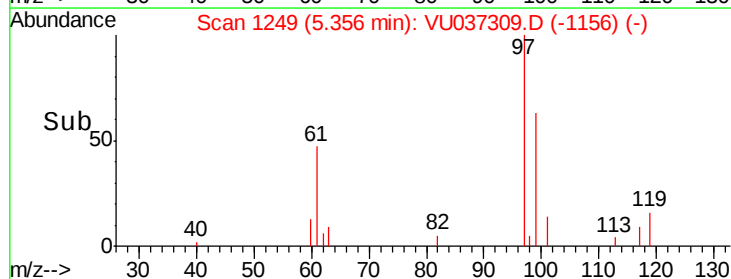
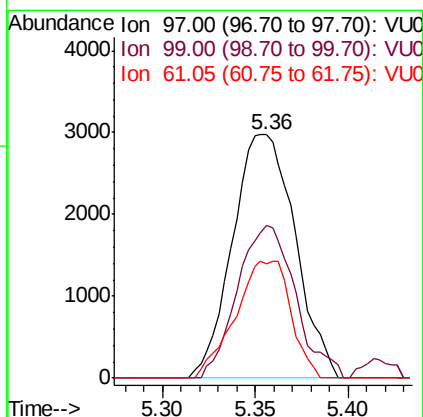
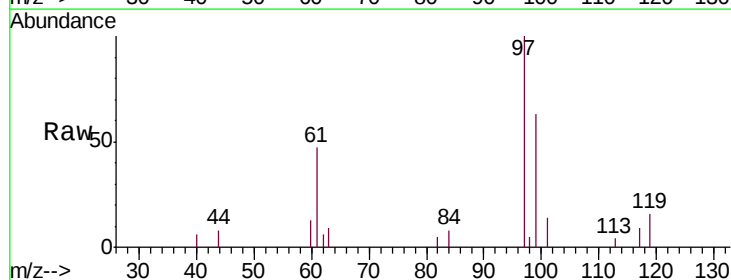
Instrument :  
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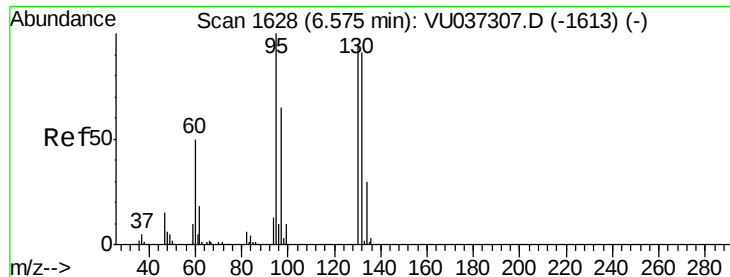
Tgt Ion: 83 Resp: 7077  
Ion Ratio Lower Upper  
83 100  
85 64.2 45.0 83.6



#30  
1,1,1-Trichloroethane  
Concen: 1.230 ug/L  
RT: 5.36 min Scan# 1249  
Delta R.T. 0.00 min  
Lab File: VU037309.D  
Acq: 17 Mar 2020 12:19

Tgt Ion: 97 Resp: 6974  
Ion Ratio Lower Upper  
97 100  
99 58.1 51.4 77.0  
61 25.6 39.0 58.4#

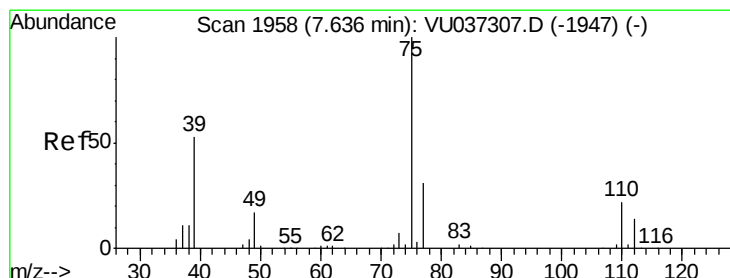
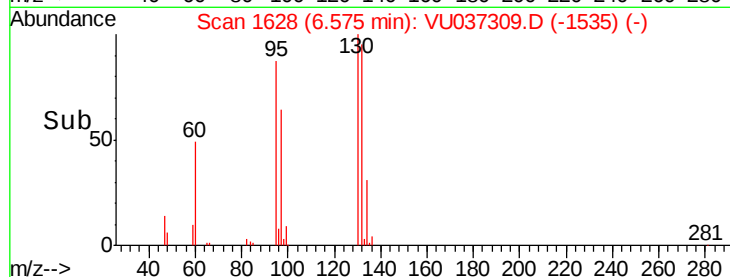
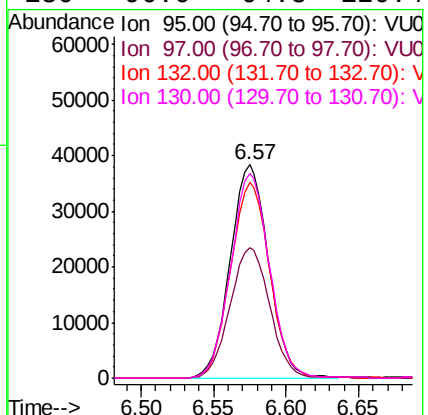
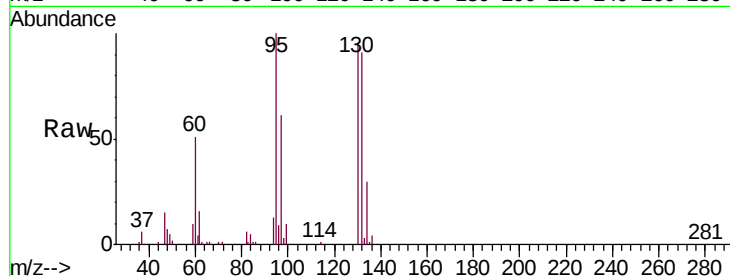




#34  
 Trichloroethene  
 Concen: 21.656 ug/L  
 RT: 6.57 min Scan# 1628  
 Delta R.T. 0.00 min  
 Lab File: VU037309.D  
 Acq: 17 Mar 2020 12:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0NC9DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 70834 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 61.3  | 43.8  | 81.4  |
| 132      | 91.4  | 62.6  | 116.3 |
| 130      | 96.0  | 64.8  | 120.4 |



#39  
 cis-1,3-Dichloropropene  
 Concen: 1.318 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU037309.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 7313  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 39.2  | 22.5  | 41.9  |

