

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050120\  
 Data File : VU037986.D  
 Acq On : 01 May 2020 13:59  
 Operator : JC/MD  
 Sample : L2410-19DL 10X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 02 00:11:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM043020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat May 02 00:09:57 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 674229   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 676585   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 329954   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 251055   | 42.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 84.66%  |
| 7) Chloroethane-d5             | 1.89    | 69    | 211527   | 43.85    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.70%  |
| 11) 1,1-Dichloroethene-d2      | 2.58    | 63    | 312186   | 32.18    | ug/L | -0.01   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.36%  |
| 21) 2-Butanone-d5              | 4.66    | 46    | 371970   | 80.25    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 80.25%  |
| 24) Chloroform-d               | 5.10    | 84    | 387212   | 42.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.32%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 287378   | 45.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.10%  |
| 32) Benzene-d6                 | 5.76    | 84    | 882258   | 44.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.48%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 296261   | 44.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.62%  |
| 41) Toluene-d8                 | 7.92    | 98    | 802160   | 43.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.70%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 134715   | 43.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.90%  |
| 47) 2-Hexanone-d5              | 8.65    | 63    | 304228   | 105.79   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 105.79% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 461293   | 48.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.82%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 315879   | 45.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.58%  |

## Target Compounds

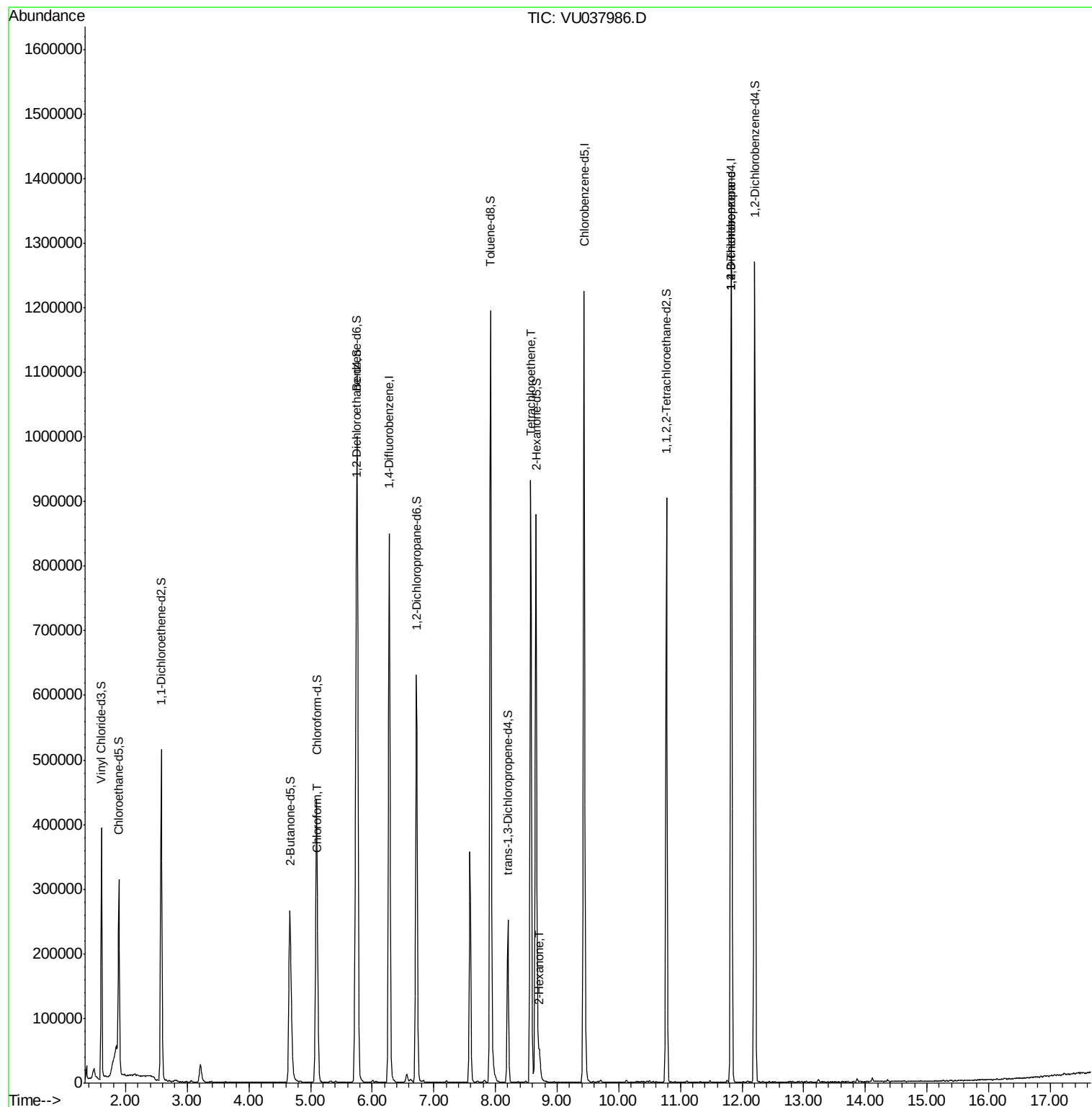
|                            |       |     |        |             | Ovalue |
|----------------------------|-------|-----|--------|-------------|--------|
| 25) Chloroform             | 5.12  | 83  | 24611  | 2.700 ug/L  | 99     |
| 46) Tetrachloroethene      | 8.57  | 164 | 204347 | 54.571 ug/L | 98     |
| 48) 2-Hexanone             | 8.71  | 43  | 33777  | 4.473 ug/L  | 90     |
| 59) 1,2,3-Trichloropropane | 11.83 | 75  | 46688  | 5.955 ug/L  | 90     |

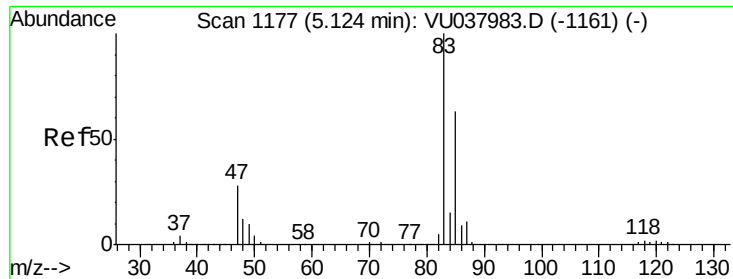
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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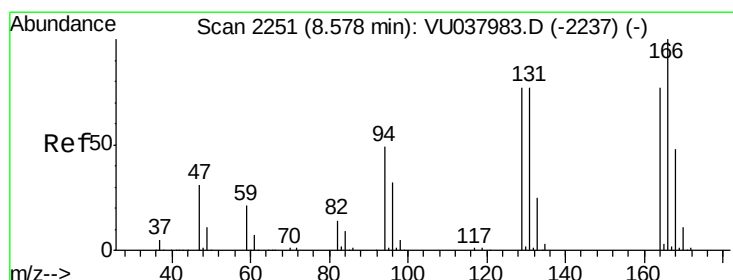
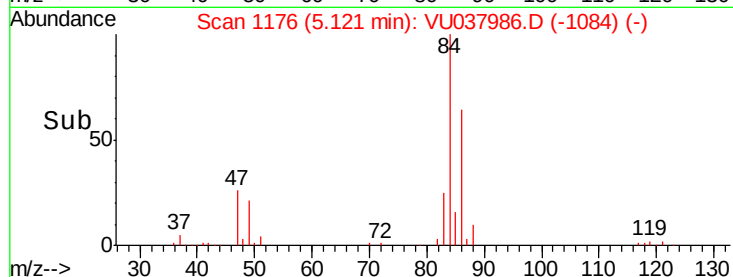
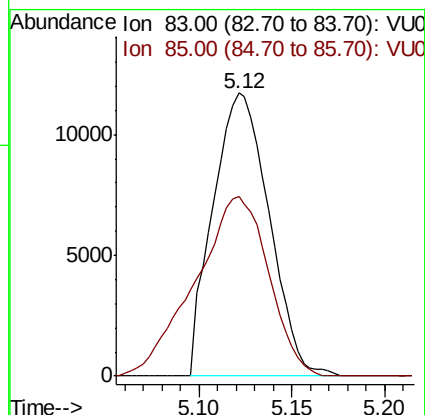
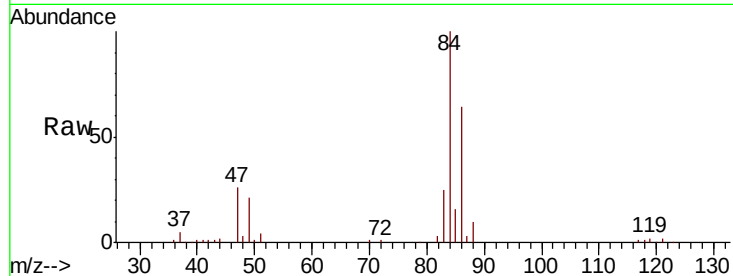




#25  
Chloroform  
Concen: 2.700 ug/L  
RT: 5.12 min Scan# 1176  
Delta R.T. -0.00 min  
Lab File: VU037986.D  
Acq: 01 May 2020 13:59

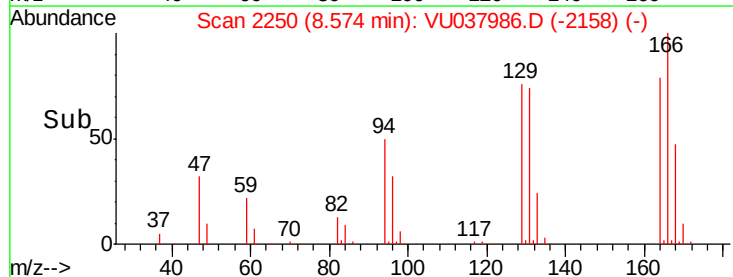
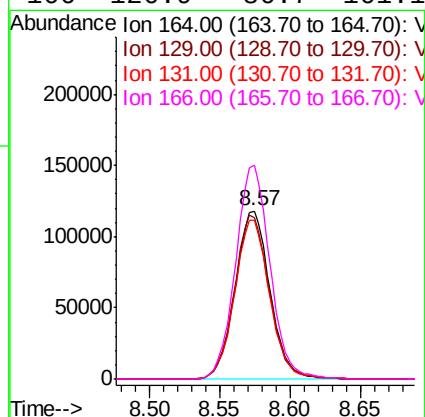
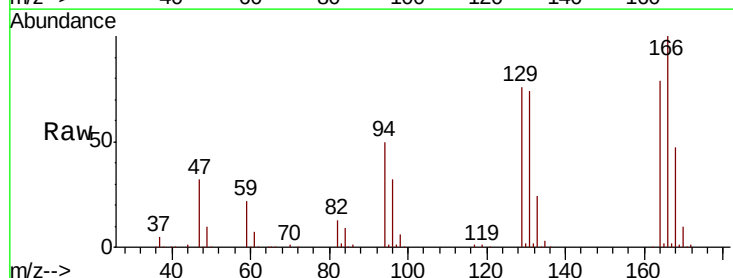
Instrument :  
MSVOA\_U  
ClientSampled :

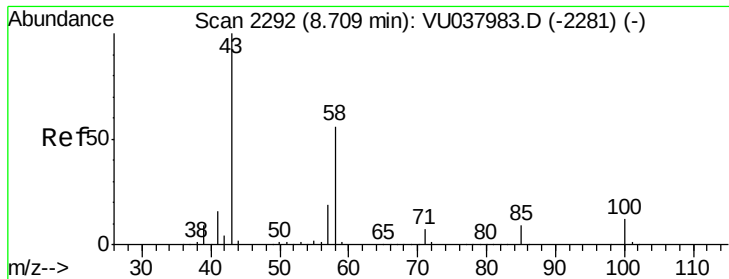
Tot Ion: 83 Resp: 24611  
Ion Ratio Lower Upper  
83 100  
85 63.5 45.0 83.6



#46  
Tetrachloroethene  
Concen: 54.571 ug/L  
RT: 8.57 min Scan# 2250  
Delta R.T. -0.00 min  
Lab File: VU037986.D  
Acq: 01 May 2020 13:59

Tgt Ion: 164 Resp: 204347  
Ion Ratio Lower Upper  
164 100  
129 96.2 68.4 127.0  
131 94.1 65.7 122.1  
166 126.9 86.7 161.1

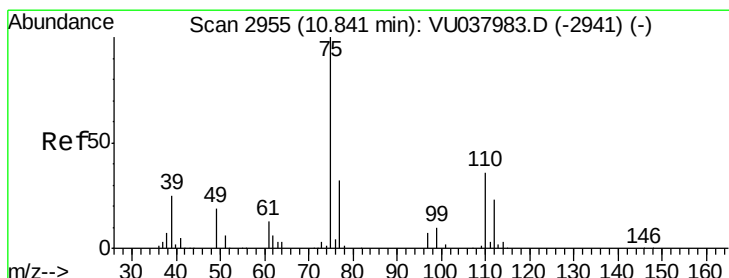
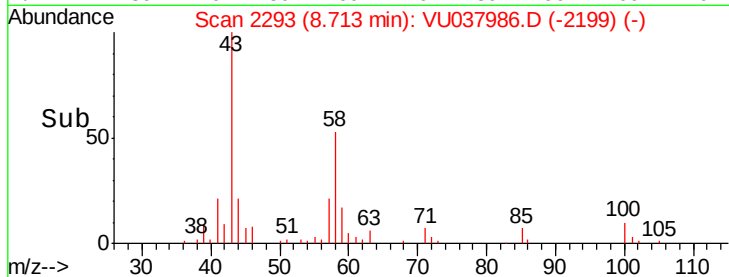
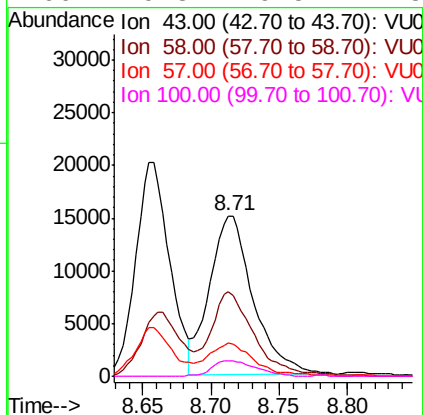
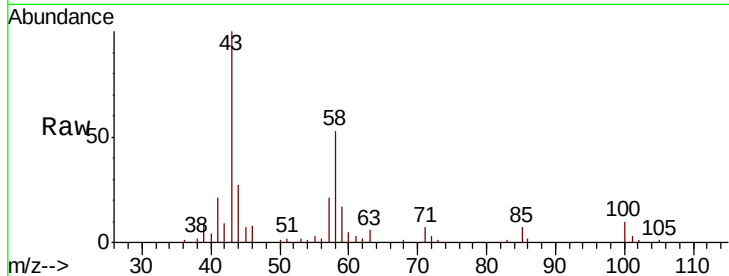




#48  
2-Hexanone  
Concen: 4.473 ug/L  
RT: 8.71 min Scan# 2293  
Delta R.T. 0.00 min  
Lab File: VU037986.D  
Acq: 01 May 2020 13:59

Instrument :  
MSVOA\_U  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 33777 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 49.3  | 46.4  | 69.6  |
| 57       | 16.7  | 16.4  | 24.6  |
| 100      | 9.8   | 9.5   | 14.3  |



#59  
1,2,3-Trichloropropane  
Concen: 5.955 ug/L  
RT: 11.83 min Scan# 3261  
Delta R.T. 0.98 min  
Lab File: VU037986.D  
Acq: 01 May 2020 13:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 46688 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 37.6  | 25.4  | 38.2  |

