

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071520\  
 Data File : VU039503.D  
 Acq On : 15 Jul 2020 16:43  
 Operator : SY/MD  
 Sample : L3313-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F4C01

Quant Time: Jul 16 05:49:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jul 16 04:09:55 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.27  | 114  | 91853    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 88374    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 41932    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 20506    | 3.85     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 77.00% |
| 7) Chloroethane-d5             | 1.93   | 69    | 23385    | 4.29     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.80% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 34344    | 3.28     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.60% |
| 20) 2-Butanone-d5              | 4.65   | 46    | 101175   | 41.54    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 83.08% |
| 24) Chloroform-d               | 5.09   | 84    | 48229    | 4.25     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.00% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 31499    | 4.43     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.60% |
| 32) Benzene-d6                 | 5.74   | 84    | 96393    | 4.53     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.60% |
| 36) 1,2-Dichloropropane-d6     | 6.71   | 67    | 33638    | 4.50     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.00% |
| 41) Toluene-d8                 | 7.91   | 98    | 84454    | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.60% |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 12272    | 3.72     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 74.40% |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 71815    | 36.68    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 73.36% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 28935    | 3.91     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 78.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 32473    | 4.34     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 86.80% |

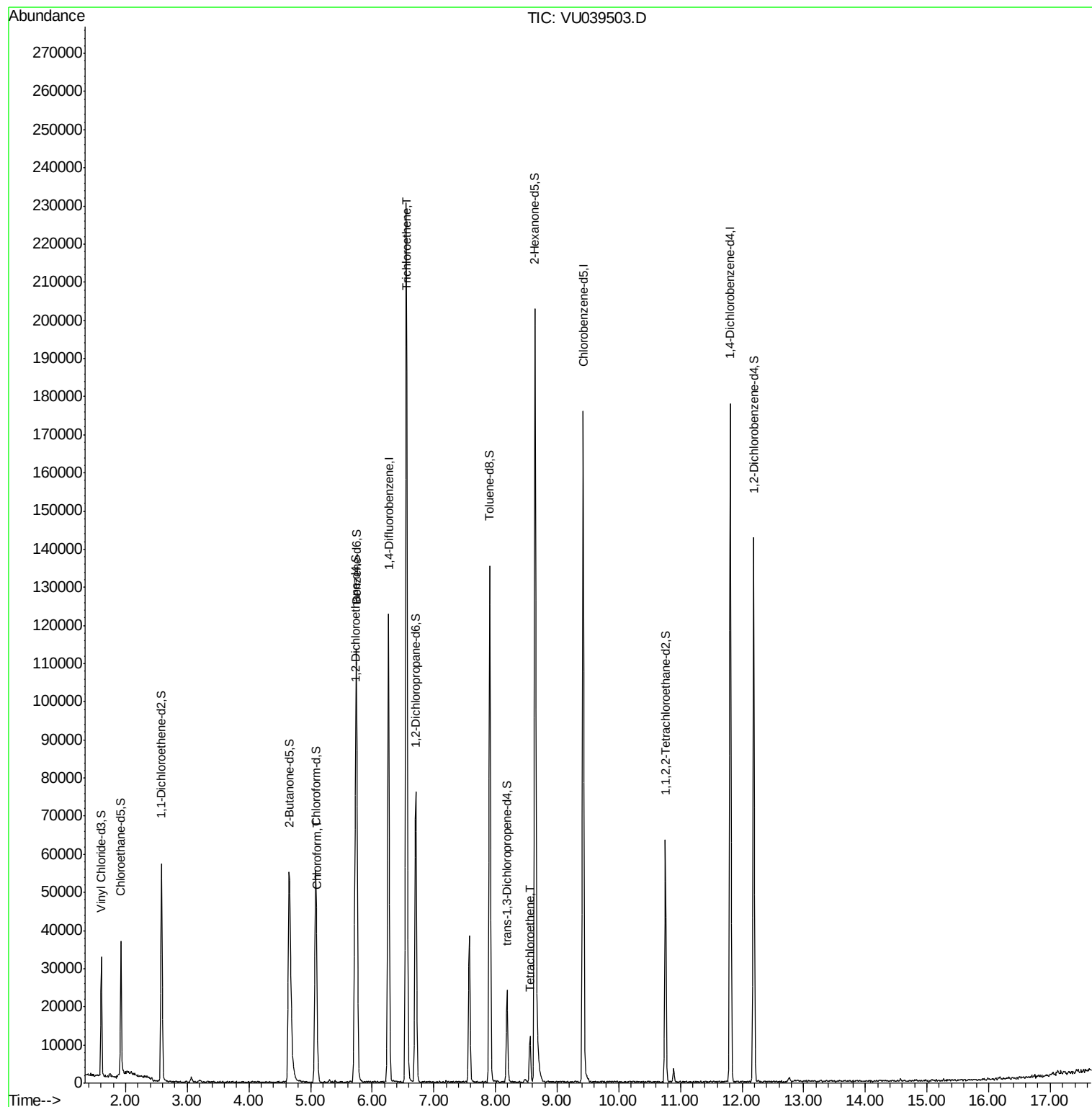
| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 25) Chloroform        | 5.11 | 83  | 3839  | 0.321 ug/L  | 94     |
| 34) Trichloroethene   | 6.56 | 95  | 73890 | 10.817 ug/L | 99     |
| 47) Tetrachloroethene | 8.56 | 164 | 2411  | 0.507 ug/L  | 87     |

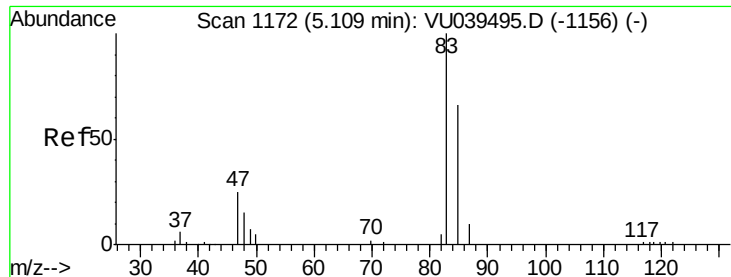
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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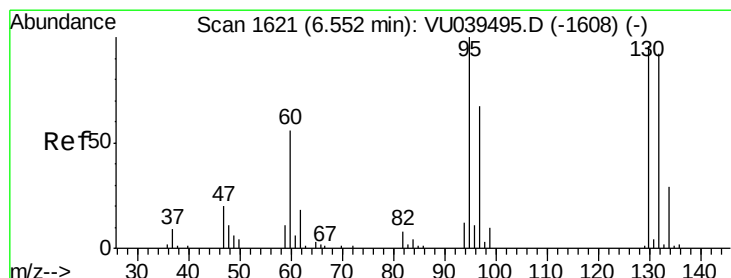
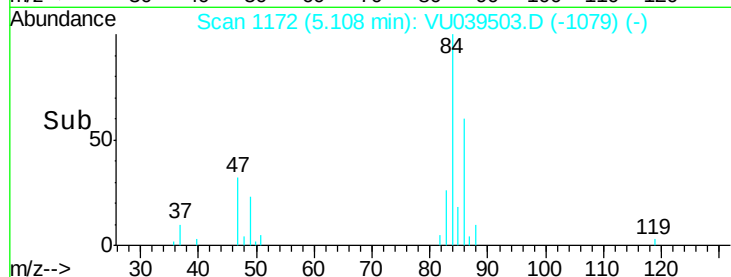
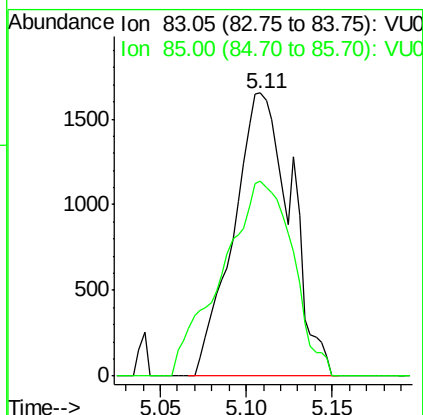
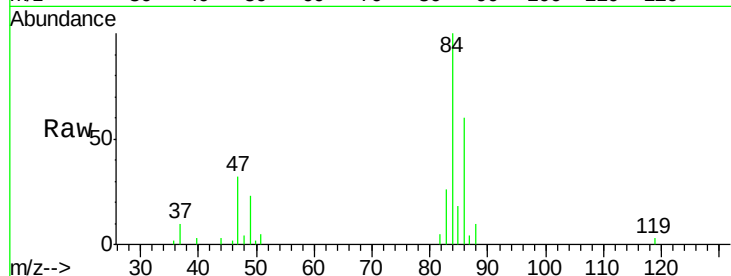




#25  
Chloroform  
Concen: 0.321 ug/L  
RT: 5.11 min Scan# 1172  
Delta R.T. -0.00 min  
Lab File: VU039503.D  
Acq: 15 Jul 2020 16:43

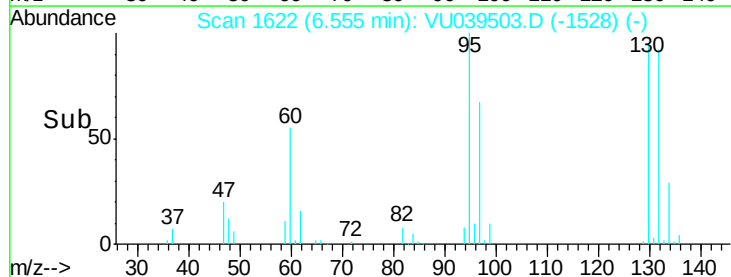
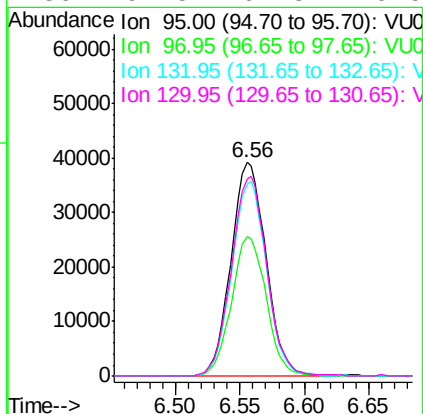
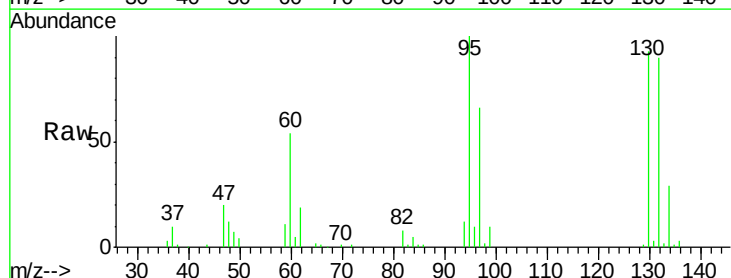
Instrument :  
MSVOA\_U  
ClientSampled :  
F4C01

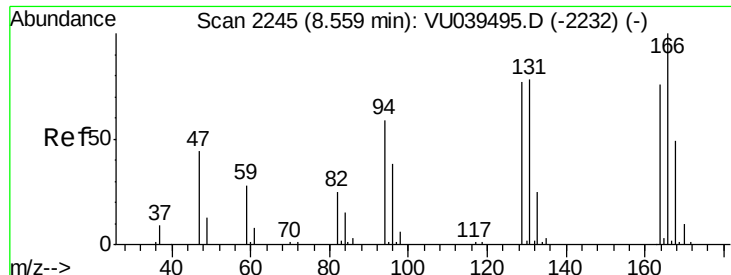
Tot Ion: 83 Resp: 3839  
Ion Ratio Lower Upper  
83 100  
85 68.7 44.9 83.5



#34  
Trichloroethene  
Concen: 10.817 ug/L  
RT: 6.56 min Scan# 1622  
Delta R.T. 0.00 min  
Lab File: VU039503.D  
Acq: 15 Jul 2020 16:43

Tgt Ion: 95 Resp: 73890  
Ion Ratio Lower Upper  
95 100  
97 65.5 46.3 85.9  
132 89.9 64.0 118.8  
130 92.5 64.3 119.5





#47

Tetrachloroethene

Concen: 0.507 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039503.D

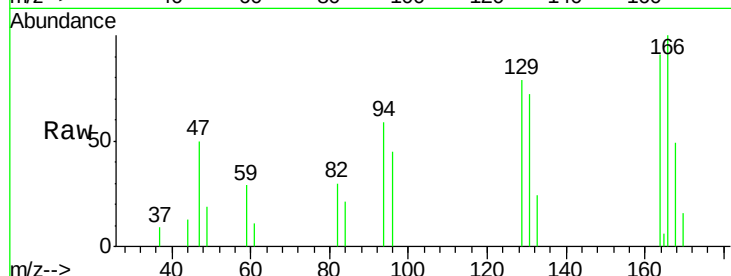
Acq: 15 Jul 2020 16:43

Instrument :

MSVOA\_U

ClientSampleId :

F4C01



Tot Ion:164 Resp: 2411

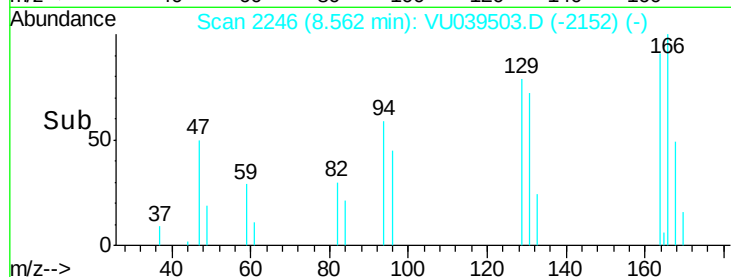
Ion Ratio Lower Upper

164 100

129 86.7 68.6 127.4

131 79.5 66.4 123.4

166 109.8 85.9 159.5



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

