

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101920\  
 Data File : VU040796.D  
 Acq On : 19 Oct 2020 11:50  
 Operator : SY/MD  
 Sample : L4419-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AH1

Quant Time: Oct 20 02:01:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 20 01:28:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 125092   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 129855   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 54475    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 29239    | 2.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 56.40%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 31846    | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 79.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 49467    | 2.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 48.80%# |
| 20) 2-Butanone-d5              | 4.66   | 46    | 167962   | 50.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.28% |
| 24) Chloroform-d               | 5.08   | 84    | 83697    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 51763    | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.40%  |
| 32) Benzene-d6                 | 5.74   | 84    | 139078   | 3.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 79.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 50408    | 4.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 86.80%  |
| 41) Toluene-d8                 | 7.91   | 98    | 105440   | 3.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 67.20%# |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 19065    | 3.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 77.40%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 112614   | 44.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 88.74%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 47987    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 47687    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.40%  |

## Target Compounds

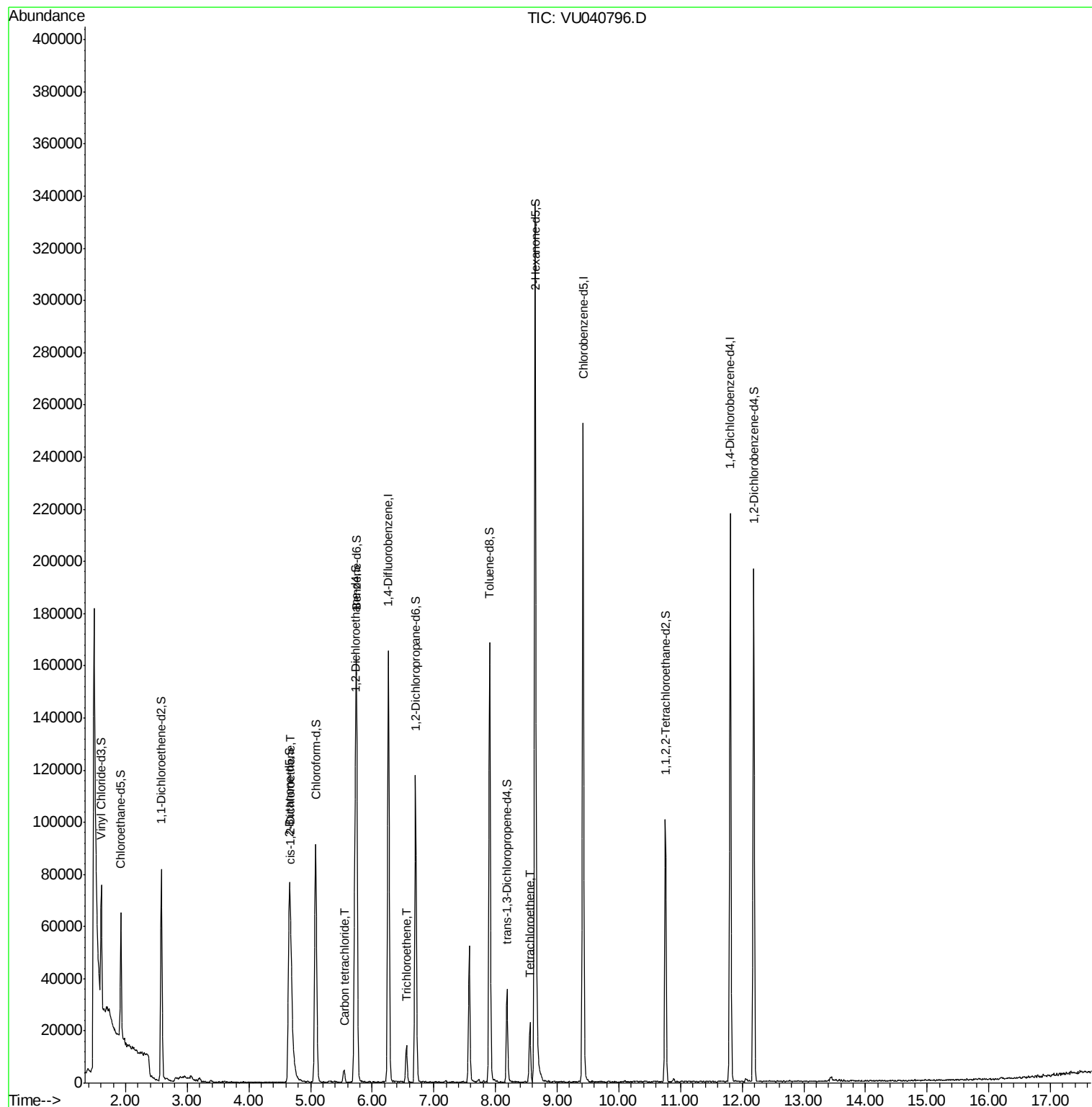
|                            |      |     |      |            | Ovalue |
|----------------------------|------|-----|------|------------|--------|
| 22) cis-1,2-Dichloroethene | 4.68 | 96  | 3795 | 0.377 ug/L | 91     |
| 31) Carbon tetrachloride   | 5.54 | 117 | 3173 | 0.212 ug/L | 99     |
| 34) Trichloroethene        | 6.56 | 95  | 4976 | 0.460 ug/L | 92     |
| 47) Tetrachloroethene      | 8.56 | 164 | 4722 | 0.612 ug/L | 92     |

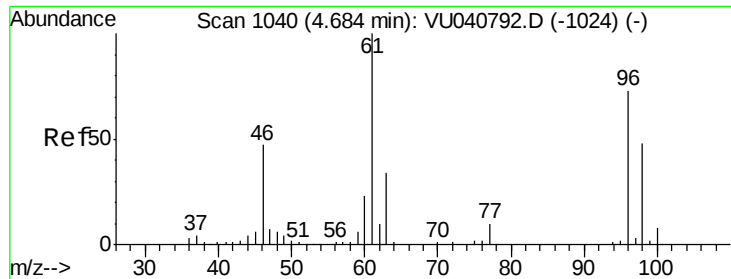
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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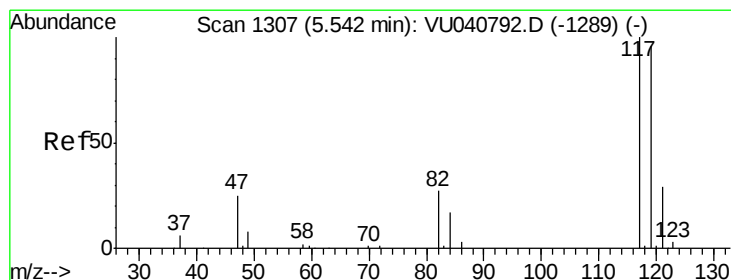
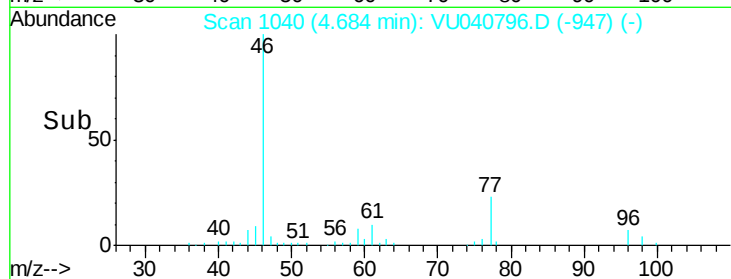
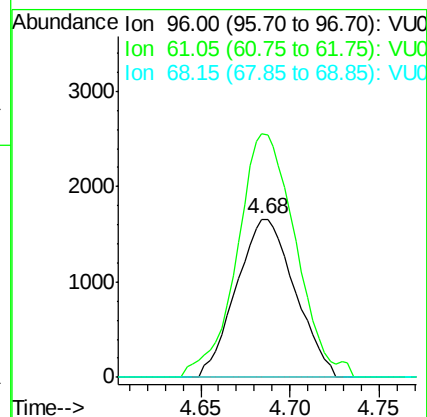
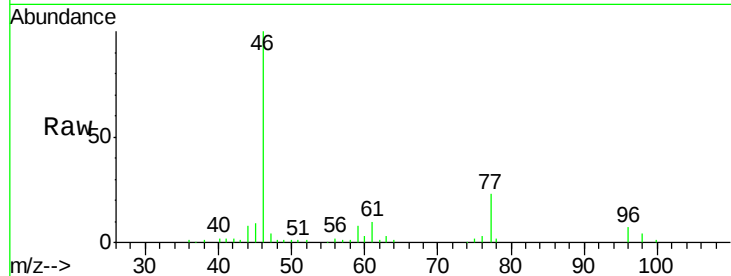




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.377 ug/L  
 RT: 4.68 min Scan# 1040  
 Delta R.T. 0.00 min  
 Lab File: VU040796.D  
 Acq: 19 Oct 2020 11:50

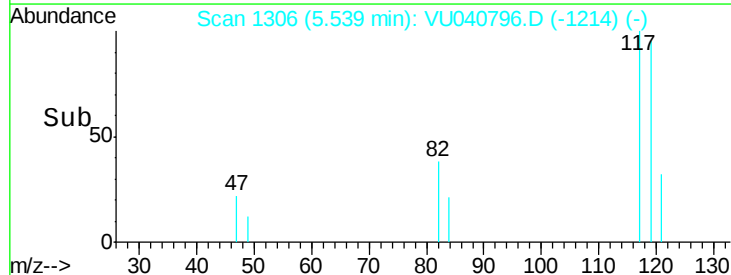
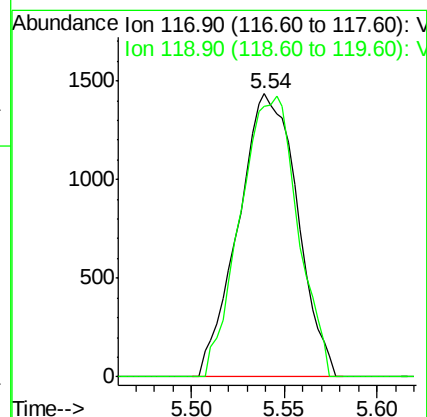
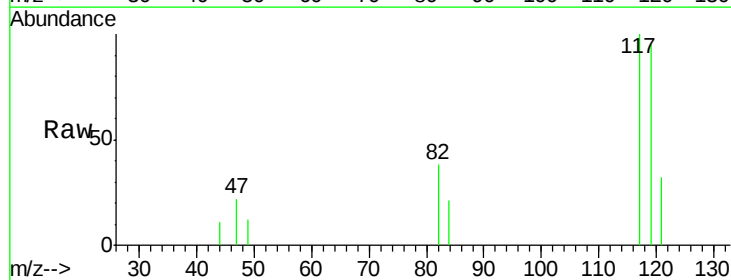
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AH1

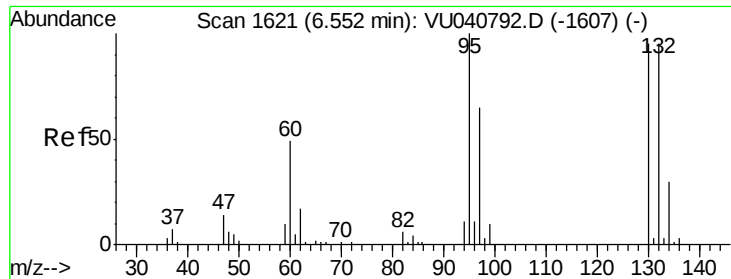
Tot Ion: 96 Resp: 3795  
 Ion Ratio Lower Upper  
 96 100  
 61 153.7 99.8 185.4  
 68 0.0 0.0 0.0



#31  
 Carbon tetrachloride  
 Concen: 0.212 ug/L  
 RT: 5.54 min Scan# 1306  
 Delta R.T. -0.00 min  
 Lab File: VU040796.D  
 Acq: 19 Oct 2020 11:50

Tgt Ion: 117 Resp: 3173  
 Ion Ratio Lower Upper  
 117 100  
 119 95.7 76.2 114.2





#34

Trichloroethene

Concen: 0.460 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VU040796.D

Acq: 19 Oct 2020 11:50

Instrument :

MSVOA\_U

ClientSampleId :

C0AH1

Tot Ion: 95 Resp: 4976

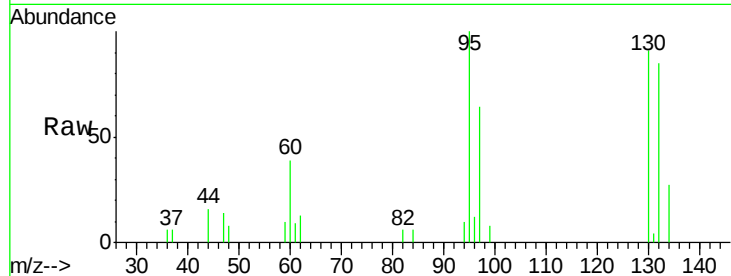
Ion Ratio Lower Upper

95 100

97 63.6 45.5 84.5

132 84.9 67.5 125.4

130 90.7 69.9 129.9

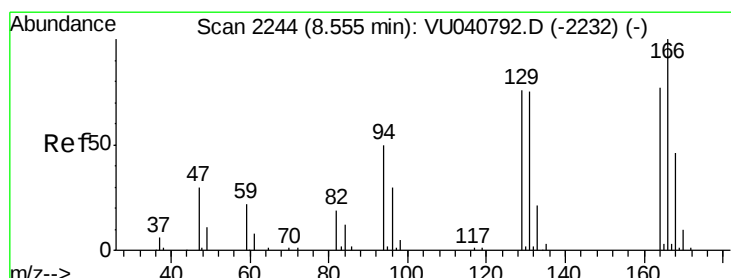
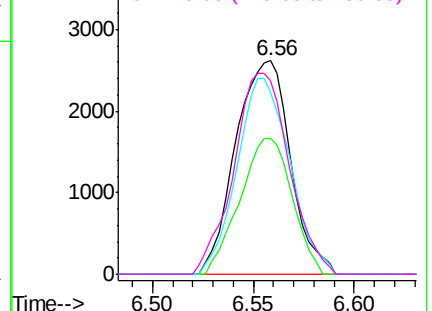
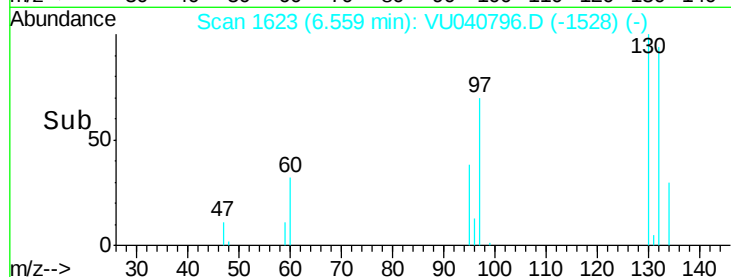


Abundance Ion 95.00 (94.70 to 95.70): VU040796.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU040796.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU040796.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU040796.D (-1528) (-)



#47

Tetrachloroethene

Concen: 0.612 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040796.D

Acq: 19 Oct 2020 11:50

Tgt Ion: 164 Resp: 4722

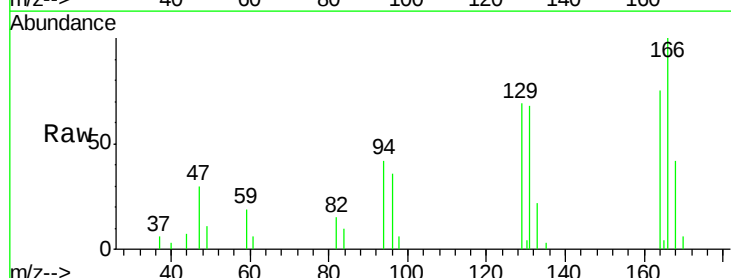
Ion Ratio Lower Upper

164 100

129 92.8 68.8 127.8

131 91.4 66.7 123.9

166 134.2 83.9 155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040796.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU040796.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU040796.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU040796.D (-2151) (-)

