

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080620\  
 Data File : VU039756.D  
 Acq On : 06 Aug 2020 15:14  
 Operator : SY/MD  
 Sample : L3572-14  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F4L16

Quant Time: Aug 07 04:26:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR080320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Aug 07 03:23:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 76676    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 73171    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 32175    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 21352    | 5.16     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 103.20%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 21431    | 4.79     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.80%   |
| 11) 1,1-Dichloroethene-d2      | 2.57   | 63    | 29017    | 3.48     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 69.60%   |
| 20) 2-Butanone-d5              | 4.67   | 46    | 126842   | 69.65    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 139.30%# |
| 24) Chloroform-d               | 5.08   | 84    | 46694    | 4.52     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.40%   |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 31771    | 5.16     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.20%  |
| 32) Benzene-d6                 | 5.74   | 84    | 83920    | 4.82     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40%   |
| 36) 1,2-Dichloropropane-d6     | 6.71   | 67    | 28381    | 4.76     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.20%   |
| 41) Toluene-d8                 | 7.91   | 98    | 64543    | 4.18     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.60%   |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 7909     | 3.46     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 69.20%   |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 113717   | 91.94    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 183.88%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 35599    | 6.14     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 122.80%# |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 28701    | 5.21     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.20%  |

## Target Compounds

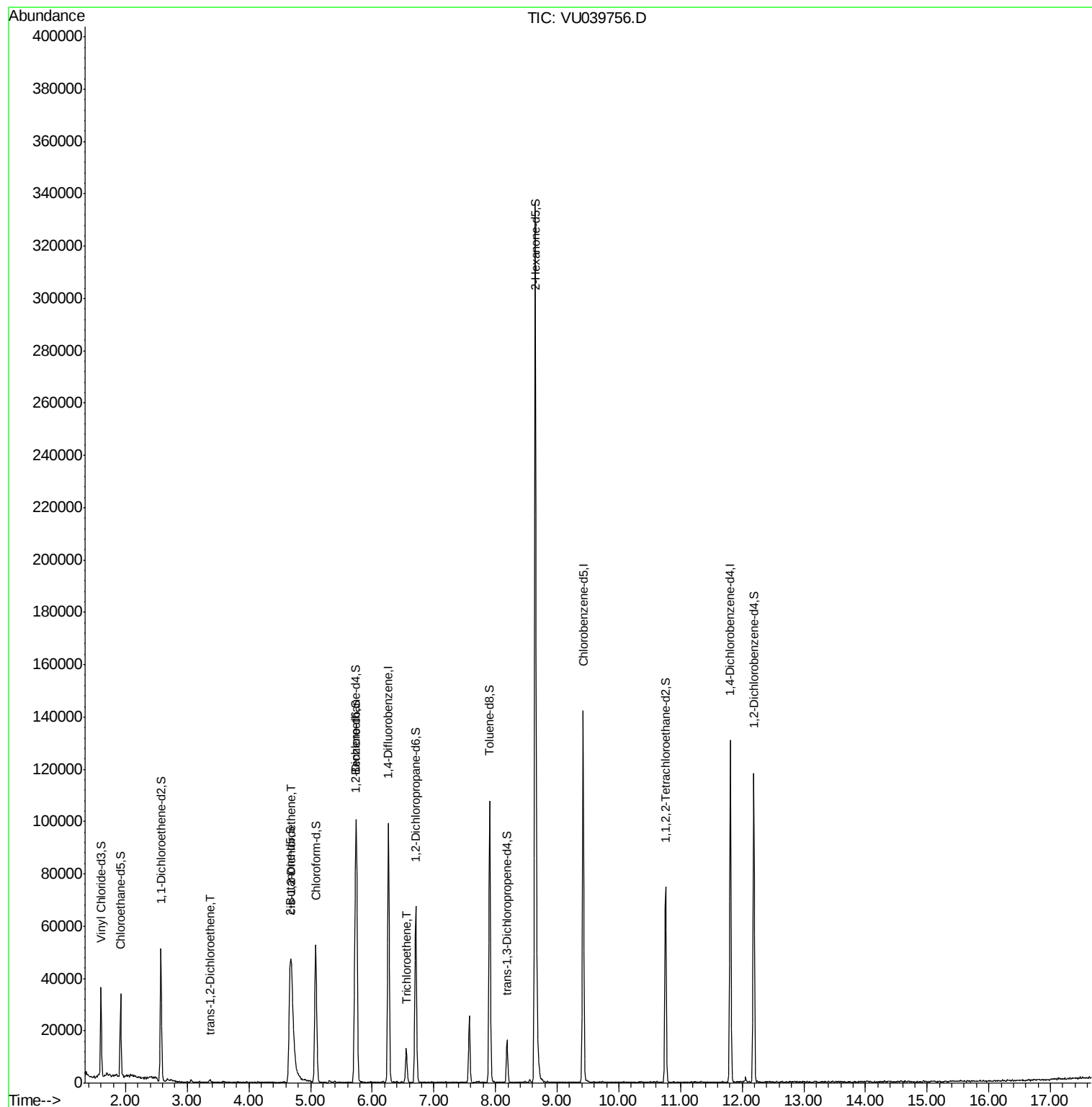
| Target Compounds             | R.T. | QIon | Response | Conc  | Units | Ovalue |
|------------------------------|------|------|----------|-------|-------|--------|
| 18) trans-1,2-Dichloroethene | 3.37 | 96   | 548      | 0.108 | ug/L  | # 74   |
| 22) cis-1,2-Dichloroethene   | 4.69 | 96   | 3866     | 0.698 | ug/L  | 98     |
| 34) Trichloroethene          | 6.55 | 95   | 3926     | 0.758 | ug/L  | 90     |

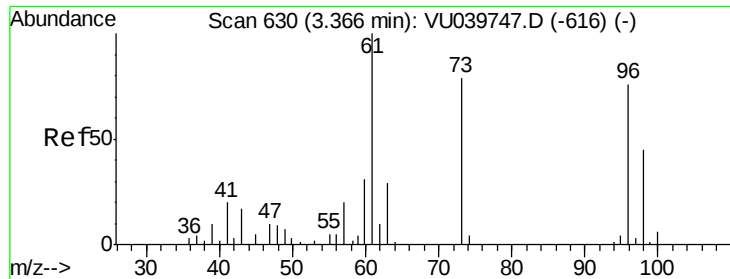
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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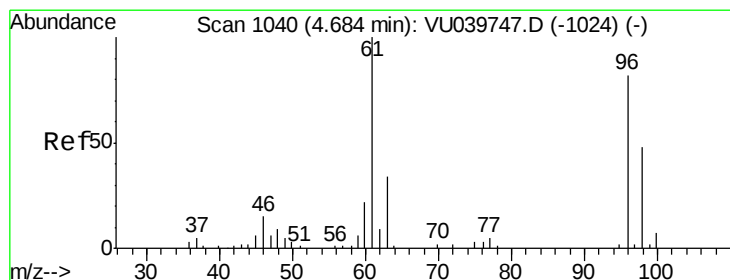
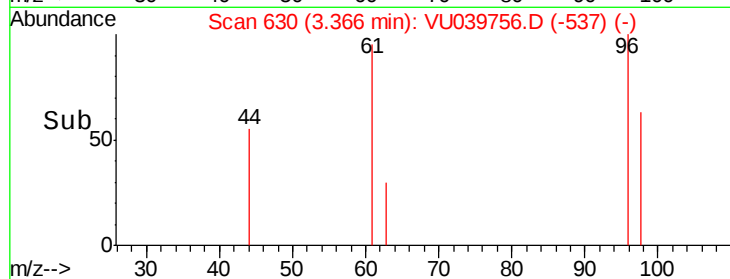
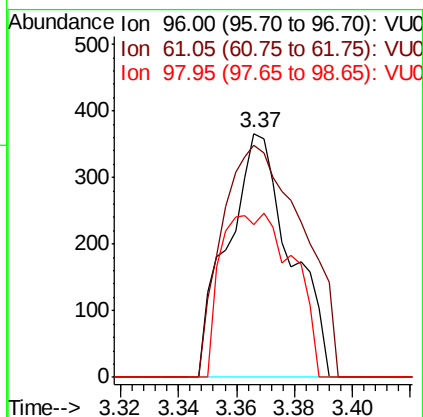
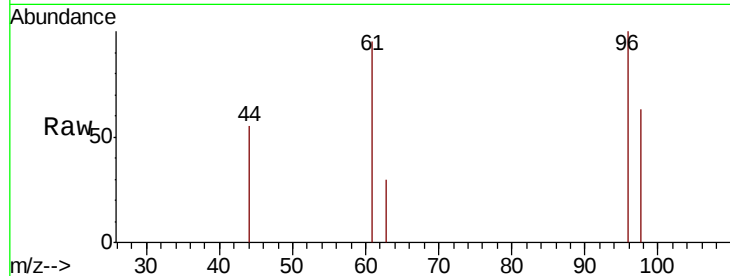




#18  
trans-1,2-Dichloroethene  
Concen: 0.108 ug/L  
RT: 3.37 min Scan# 630  
Delta R.T. 0.00 min  
Lab File: VU039756.D  
Acq: 06 Aug 2020 15:14

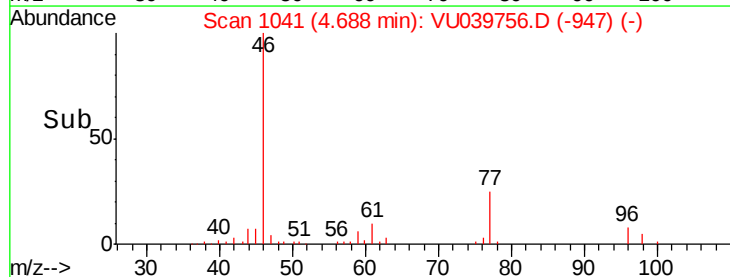
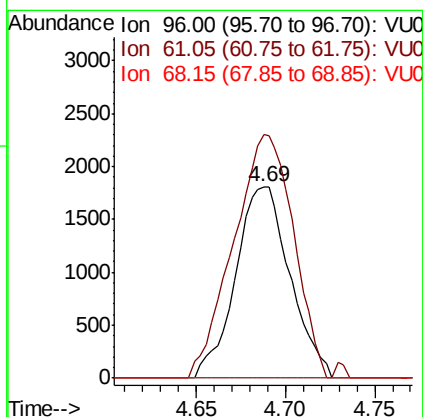
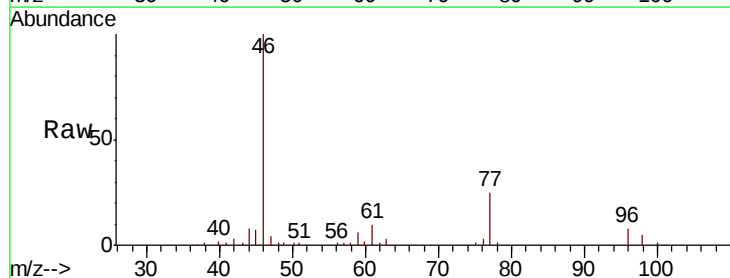
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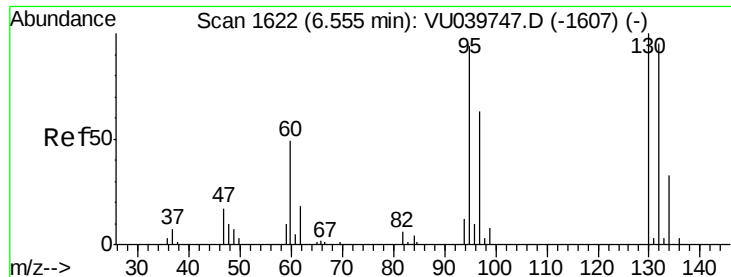
Tot Ion: 96 Resp: 548  
Ion Ratio Lower Upper  
96 100  
61 95.4 96.5 179.1#  
98 62.8 40.9 76.0



#22  
cis-1,2-Dichloroethene  
Concen: 0.698 ug/L  
RT: 4.69 min Scan# 1041  
Delta R.T. 0.00 min  
Lab File: VU039756.D  
Acq: 06 Aug 2020 15:14

Tgt Ion: 96 Resp: 3866  
Ion Ratio Lower Upper  
96 100  
61 127.2 87.4 162.2  
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 0.758 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU039756.D

Acq: 06 Aug 2020 15:14

Instrument :

MSVOA\_U

ClientSampleId :

F4L16

Tot Ion: 95 Resp: 3926

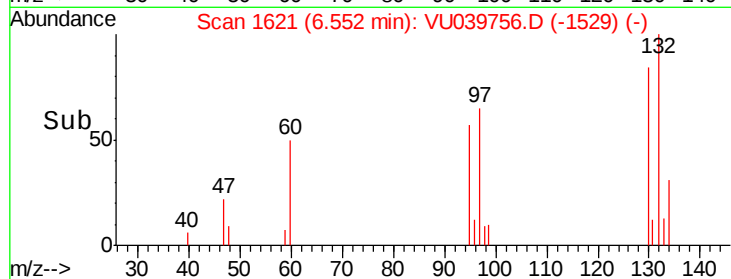
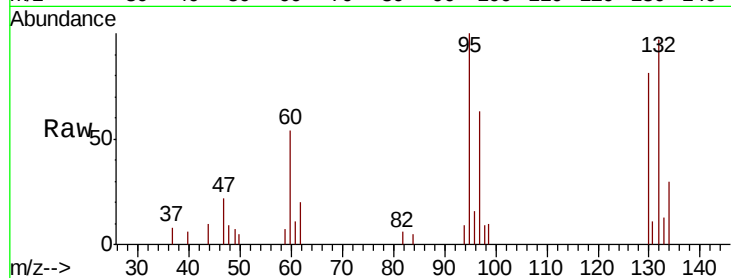
Ion Ratio Lower Upper

95 100

97 63.4 44.0 81.8

132 97.0 71.7 133.3

130 81.5 71.1 132.1



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

