

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\  
 Data File : VU038724.D  
 Acq On : 09 Jun 2020 15:06  
 Operator : SY/MD  
 Sample : L2896-10DL 10X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW0H9DL

Quant Time: Jun 10 02:55:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 10 00:33:15 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 604363   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 585173   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 275337   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 179363   | 53.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 106.24% |
| 7) Chloroethane-d5             | 1.93    | 69    | 150229   | 57.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 114.70% |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 286604   | 38.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.90%  |
| 21) 2-Butanone-d5              | 4.66    | 46    | 353770   | 107.69   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.69% |
| 24) Chloroform-d               | 5.10    | 84    | 378547   | 52.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.00% |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 260532   | 53.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.98% |
| 32) Benzene-d6                 | 5.76    | 84    | 776358   | 55.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.16% |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 240736   | 55.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 110.84% |
| 41) Toluene-d8                 | 7.92    | 98    | 683183   | 53.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.26% |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 114534   | 52.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 104.74% |
| 47) 2-Hexanone-d5              | 8.65    | 63    | 261775   | 113.21   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 113.21% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 338230   | 52.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 104.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 269771   | 56.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 112.86% |

## Target Compounds

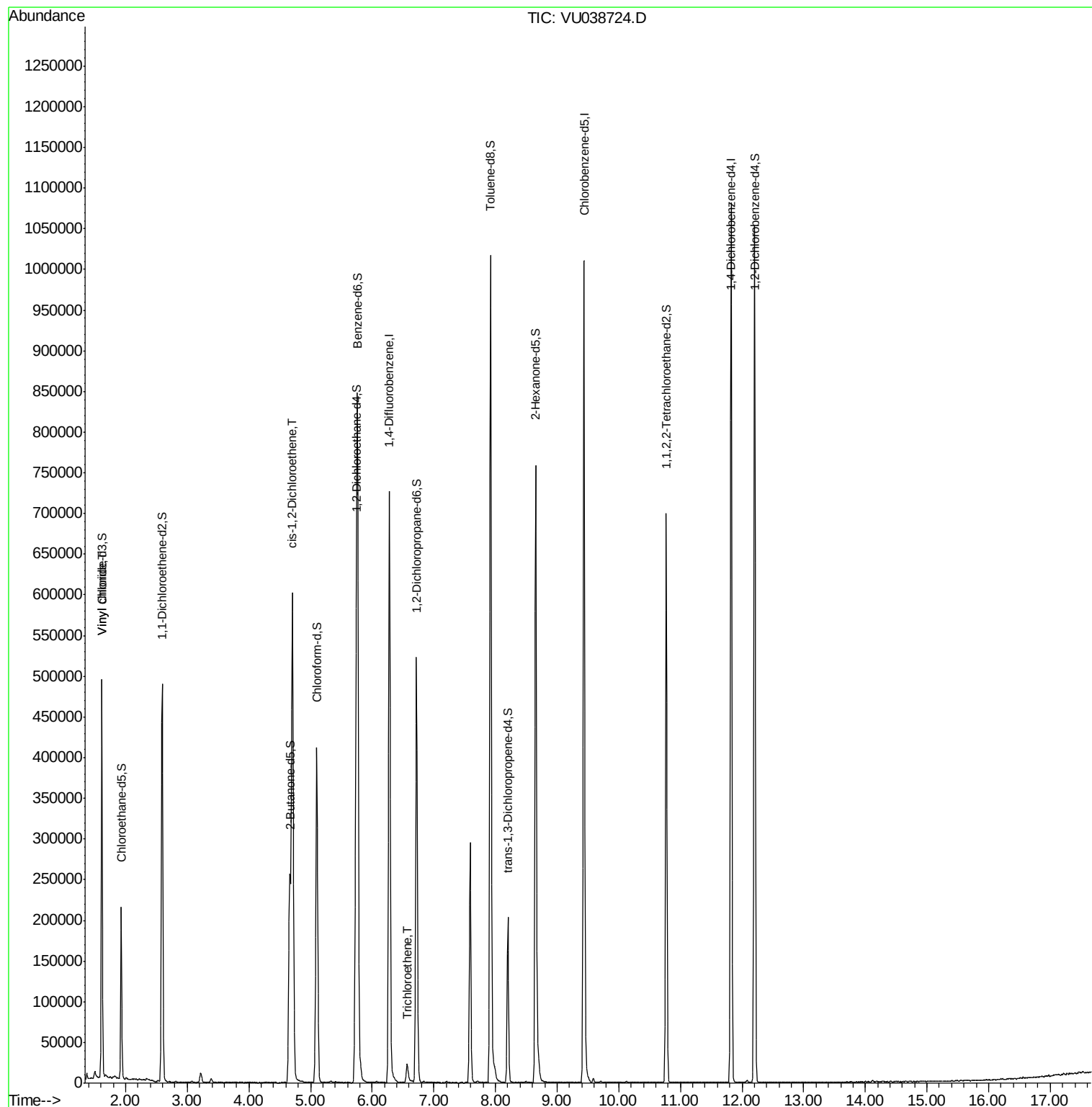
|                            |      |    |        |        | Ovalue  |
|----------------------------|------|----|--------|--------|---------|
| 5) Vinyl chloride          | 1.62 | 62 | 174020 | 35.990 | ug/L 97 |
| 20) cis-1,2-Dichloroethene | 4.71 | 96 | 297681 | 64.330 | ug/L 99 |
| 34) Trichloroethene        | 6.57 | 95 | 4517   | 1.022  | ug/L 97 |

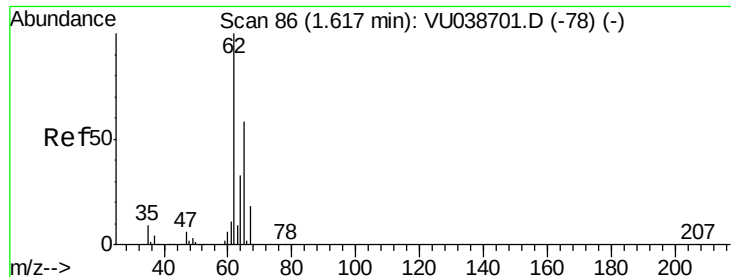
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 35.990 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038724.D

Acq: 09 Jun 2020 15:06

Instrument :

MSVOA\_U

ClientSampleId :

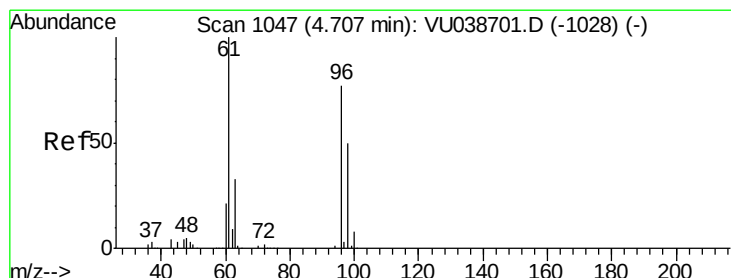
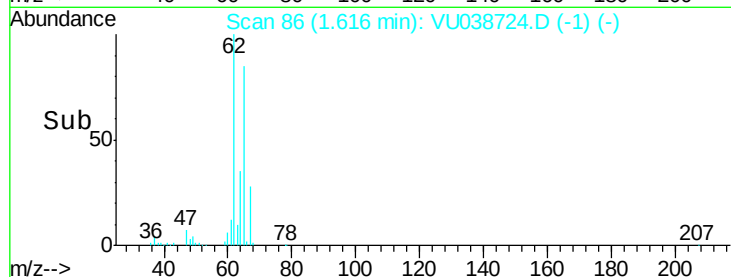
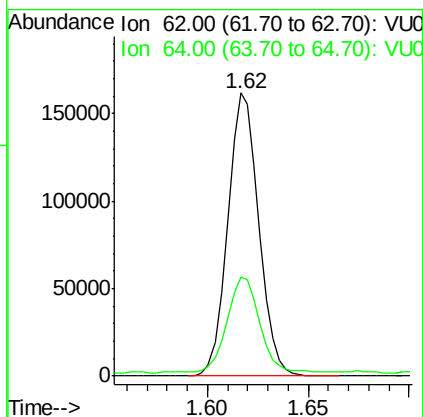
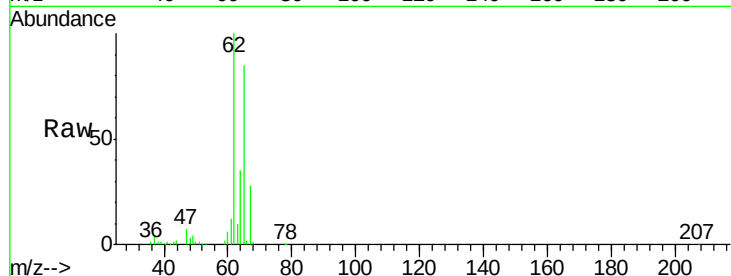
EW0H9DL

Tot Ion: 62 Resp: 174020

Ion Ratio Lower Upper

62 100

64 34.9 23.0 42.8



#20

cis-1,2-Dichloroethene

Concen: 64.330 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

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Acq: 09 Jun 2020 15:06

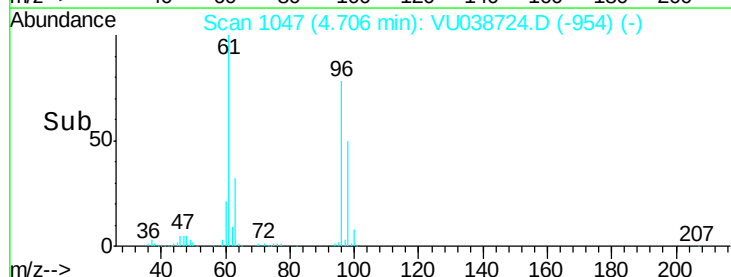
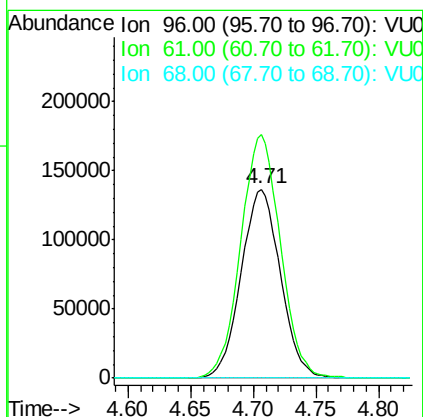
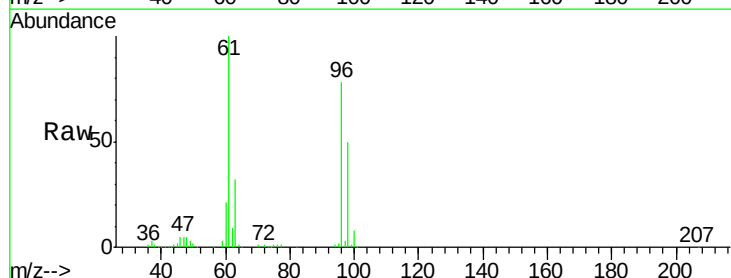
Tgt Ion: 96 Resp: 297681

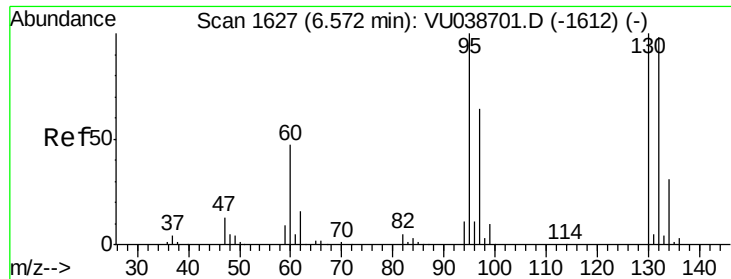
Ion Ratio Lower Upper

96 100

61 129.0 89.5 166.1

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 1.022 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038724.D

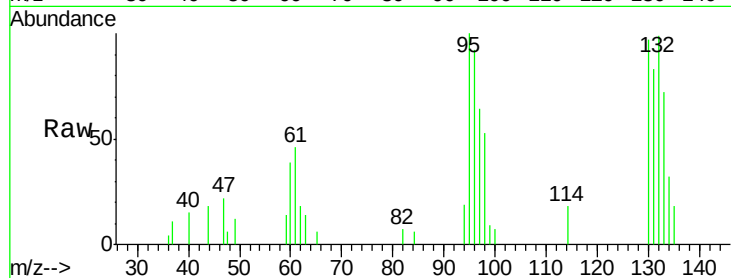
Acq: 09 Jun 2020 15:06

Instrument :

MSVOA\_U

ClientSampleId :

EW0H9DL



Tot Ion: 95 Resp: 4517

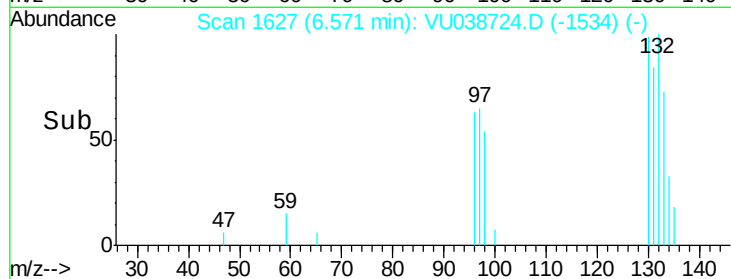
Ion Ratio Lower Upper

95 100

97 64.2 44.4 82.4

132 98.5 64.9 120.5

130 97.3 68.6 127.4



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

