

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071719\  
 Data File : VU033300.D  
 Acq On : 17 Jul 2019 19:12  
 Operator : JC/SP  
 Sample : K3772-14DL 50X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A52R1DL

Quant Time: Jul 18 09:29:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR071619WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jul 18 08:01:21 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.87  | 114  | 122721   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 128935   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 55520    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 47399    | 3.83     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 76.60% |
| 7) Chloroethane-d5             | 1.67   | 69    | 43965    | 4.27     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.40% |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 78636    | 3.29     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.80% |
| 20) 2-Butanone-d5              | 4.17   | 46    | 82626    | 35.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 70.96% |
| 24) Chloroform-d               | 4.62   | 84    | 70984    | 3.89     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 77.80% |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 46919    | 4.76     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.20% |
| 32) Benzene-d6                 | 5.32   | 84    | 157246   | 4.38     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.60% |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 53388    | 4.67     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.40% |
| 41) Toluene-d8                 | 7.55   | 98    | 136428   | 4.01     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.20% |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 19113    | 4.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.60% |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 82732    | 43.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.98% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 46869    | 4.94     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 52901    | 4.89     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.80% |

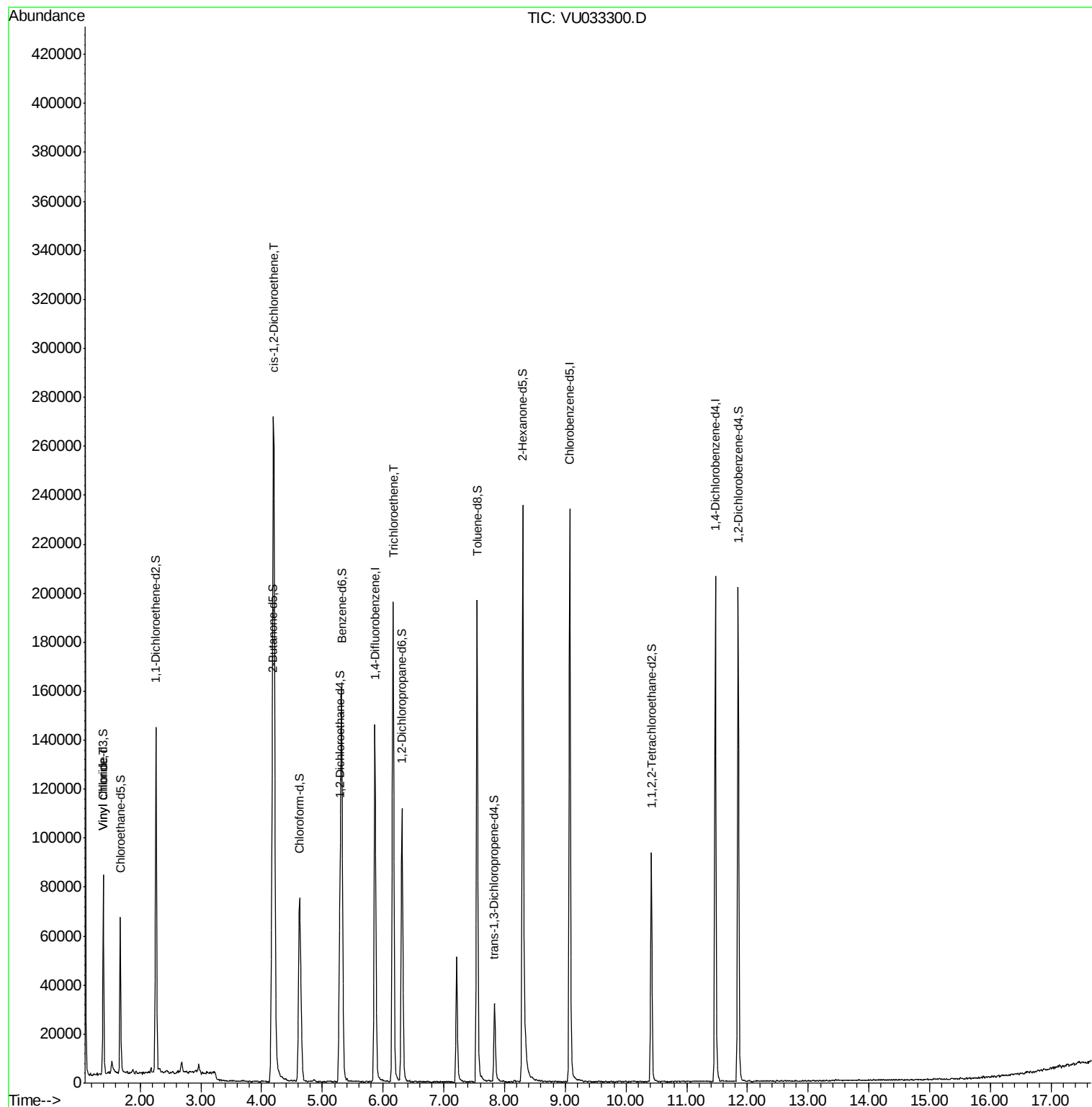
| Target Compounds           |      |    |        |             | Ovalue |
|----------------------------|------|----|--------|-------------|--------|
| 5) Vinyl chloride          | 1.40 | 62 | 8865   | 0.671 ug/L  | 89     |
| 22) cis-1,2-Dichloroethene | 4.20 | 96 | 136671 | 14.520 ug/L | 94     |
| 34) Trichloroethene        | 6.16 | 95 | 69039  | 7.146 ug/L  | 99     |

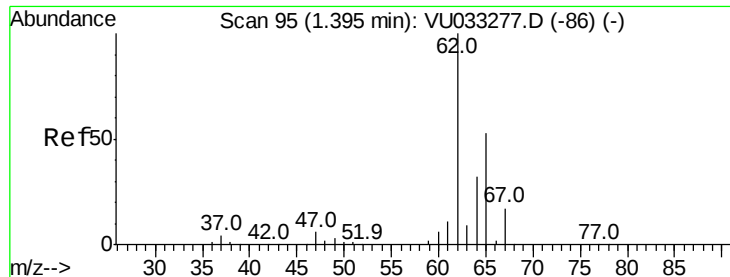
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.671 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033300.D

Acq: 17 Jul 2019 19:12

Instrument :

MSVOA\_U

ClientSampleId :

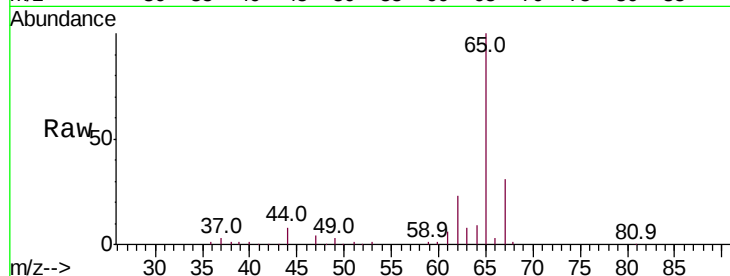
A52R1DL

Tot Ion: 62 Resp: 8865

Ion Ratio Lower Upper

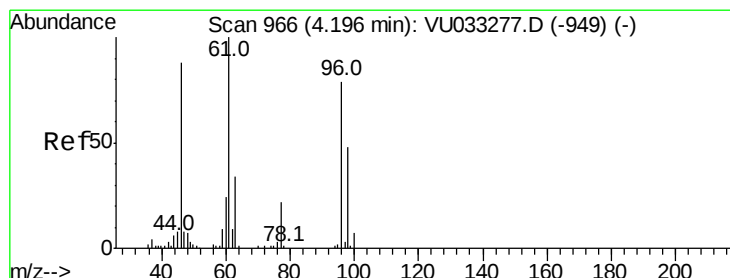
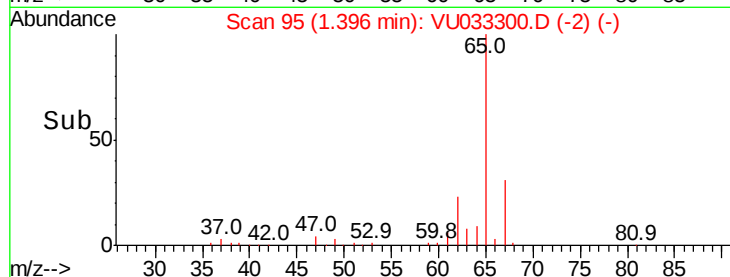
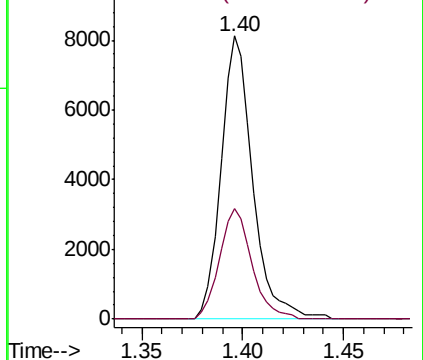
62 100

64 38.8 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#22

cis-1,2-Dichloroethene

Concen: 14.520 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033300.D

Acq: 17 Jul 2019 19:12

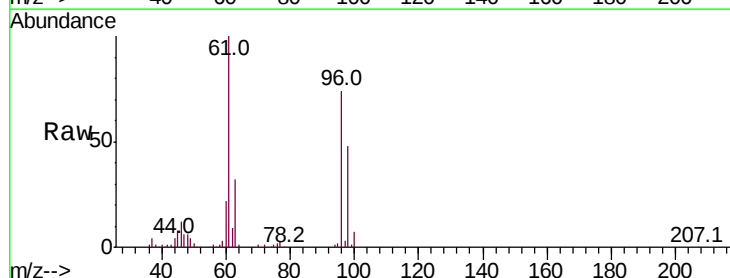
Tgt Ion: 96 Resp: 136671

Ion Ratio Lower Upper

96 100

61 134.9 89.2 165.6

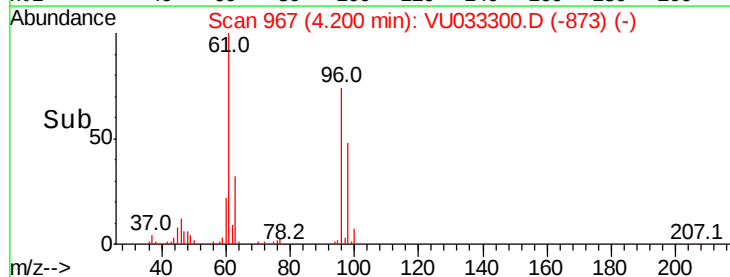
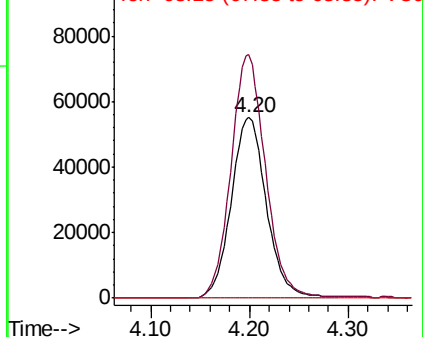
68 0.0 0.0 0.0

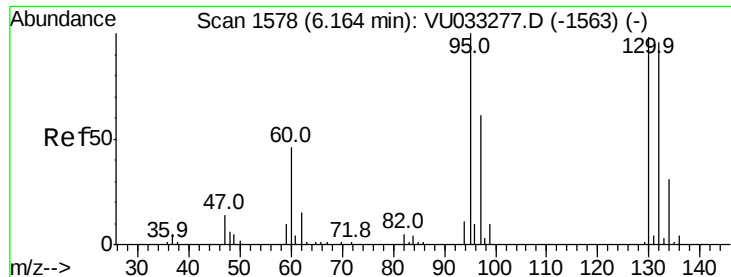


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#34

Trichloroethene

Concen: 7.146 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033300.D

Acq: 17 Jul 2019 19:12

Instrument :

MSVOA\_U

ClientSampleId :

A52R1DL

Tot Ion: 95 Resp: 69039

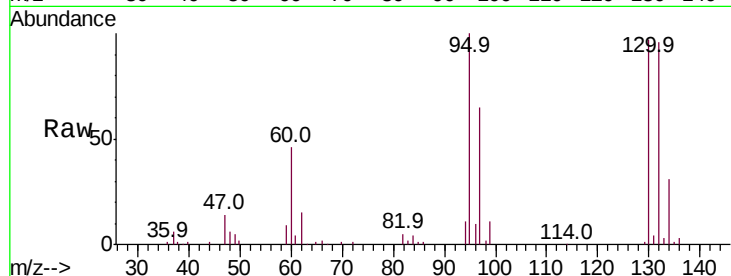
Ion Ratio Lower Upper

95 100

97 64.9 44.5 82.7

132 96.0 66.6 123.8

130 96.9 68.9 127.9

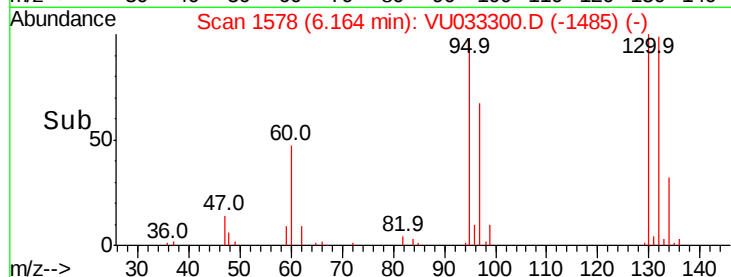


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



Time-->

