

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110519\  
 Data File : VU035634.D  
 Acq On : 05 Nov 2019 16:32  
 Operator : JC/SP  
 Sample : K5697-03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0AB0

Quant Time: Nov 06 03:07:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM103119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 06 03:03:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 609580   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 585161   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 157325   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62    | 65    | 168659   | 34.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 68.52%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 160633   | 40.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 81.70%  |
| 11) 1,1-Dichloroethene-d2      | 2.60    | 63    | 225386   | 29.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 58.88%# |
| 21) 2-Butanone-d5              | 4.69    | 46    | 261388   | 90.89    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 90.89%  |
| 24) Chloroform-d               | 5.11    | 84    | 347548   | 45.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.42%  |
| 26) 1,2-Dichloroethane-d4      | 5.75    | 65    | 218327   | 46.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.74%  |
| 32) Benzene-d6                 | 5.77    | 84    | 705748   | 46.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.54%  |
| 36) 1,2-Dichloropropane-d6     | 6.74    | 67    | 235529   | 47.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.24%  |
| 41) Toluene-d8                 | 7.93    | 98    | 632168   | 43.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.88%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 102668   | 45.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.12%  |
| 47) 2-Hexanone-d5              | 8.68    | 63    | 157595   | 83.13    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 83.13%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79   | 84    | 319097   | 45.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.72%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22   | 152   | 163683   | 51.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.16% |

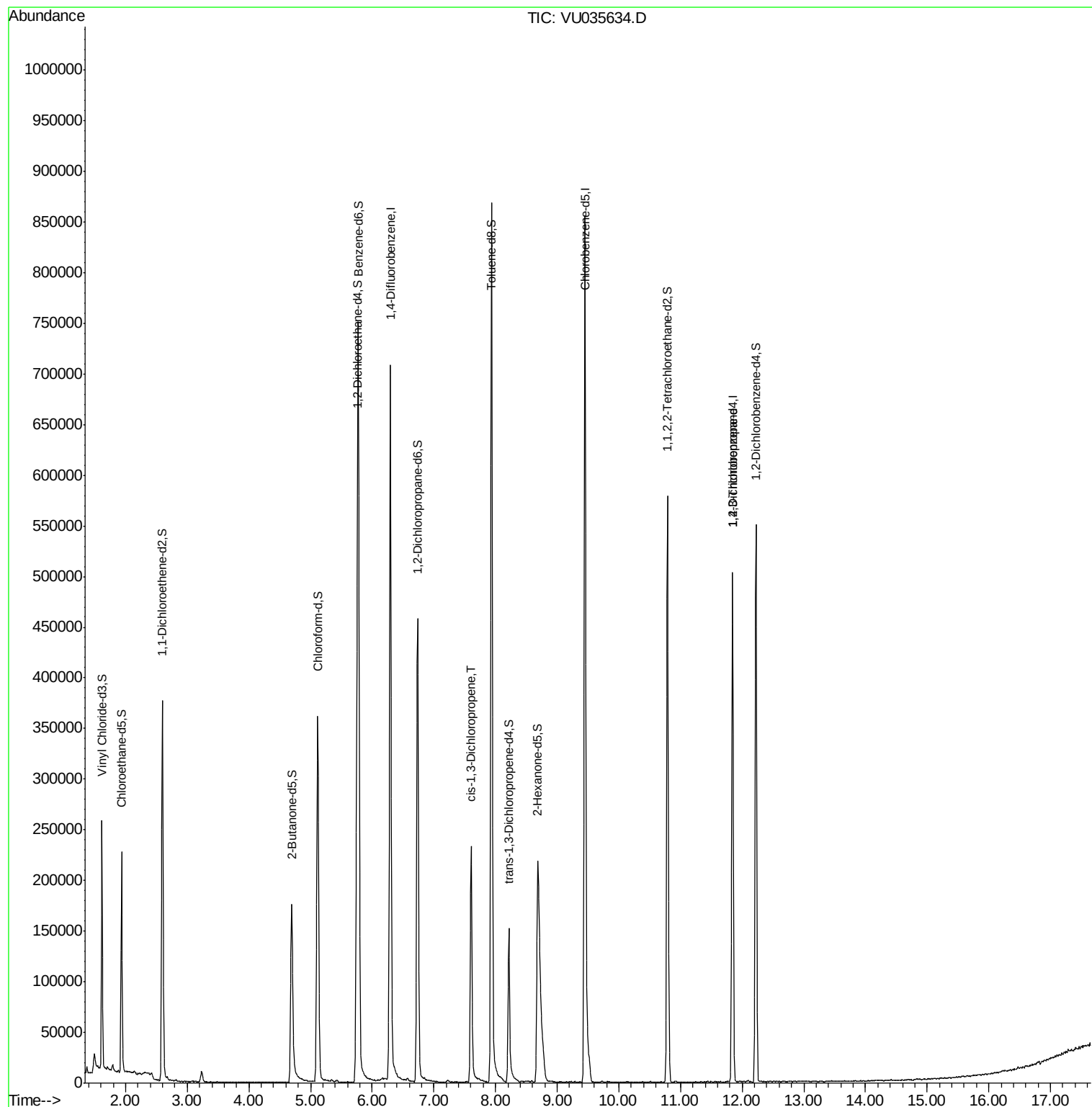
| Target Compounds            |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 39) cis-1,3-Dichloropropene | 7.60  | 75 | 5434  | 0.830 ug/L # | 36     |
| 59) 1,2,3-Trichloropropane  | 11.84 | 75 | 16788 | 2.924 ug/L   | 90     |

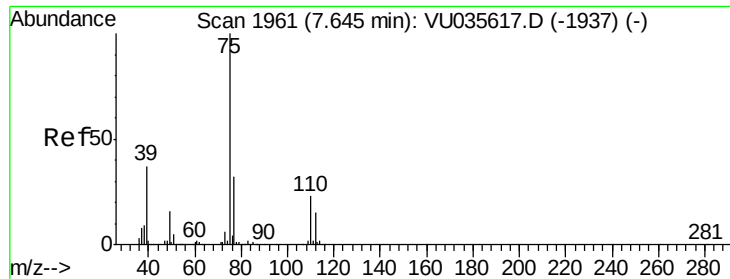
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110519\  
Data File : VU035634.D  
Acq On : 05 Nov 2019 16:32  
Operator : JC/SP  
Sample : K5697-03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
H0AB0

Quant Time: Nov 06 03:07:35 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM103119WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Nov 06 03:03:41 2019  
Response via : Initial Calibration





#39

cis-1,3-Dichloropropene

Concen: 0.830 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU035634.D

Acq: 05 Nov 2019 16:32

Instrument :

MSVOA\_U

ClientSampleId :

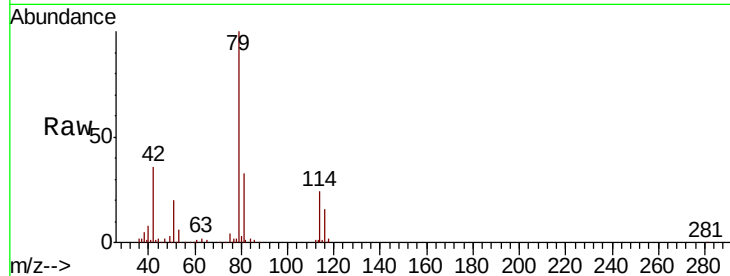
H0AB0

Tot Ion: 75 Resp: 5434

Ion Ratio Lower Upper

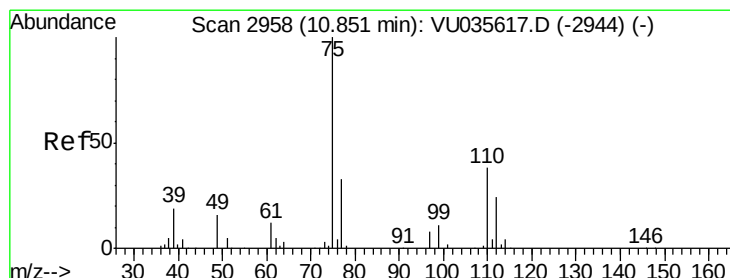
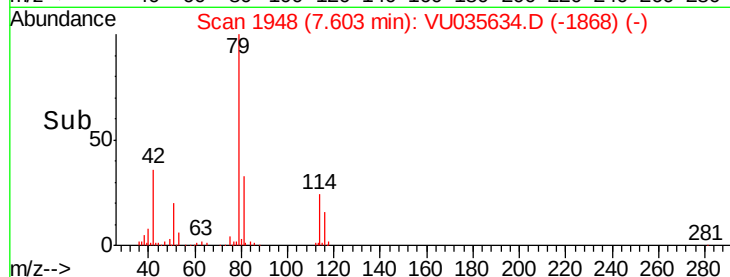
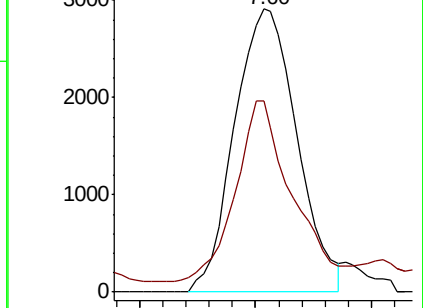
75 100

77 67.5 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VU035617.D (-1937) (-)

Ion 77.00 (76.70 to 77.70): VU035617.D (-1937) (-)



#59

1,2,3-Trichloropropane

Concen: 2.924 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035634.D

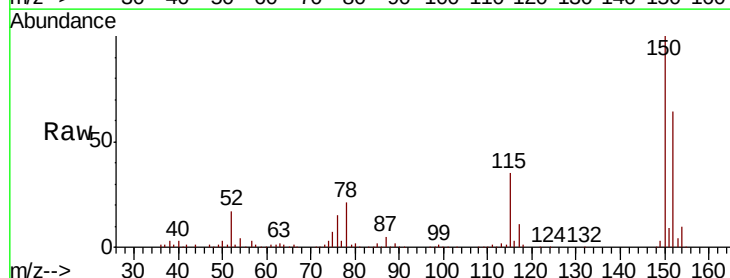
Acq: 05 Nov 2019 16:32

Tgt Ion: 75 Resp: 16788

Ion Ratio Lower Upper

75 100

77 37.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU035617.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU035617.D (-2944) (-)

