

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072318\  
 Data File : VU025597.D  
 Acq On : 23 Jul 2018 12:59  
 Operator : MD/SY  
 Sample : VU0723WBL01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK51

Quant Time: Jul 24 02:08:16 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM072018WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 24 02:07:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 318529   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 299435   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 153379   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 110572   | 60.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 121.60% |
| 7) Chloroethane-d5             | 1.68    | 69    | 88096    | 58.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 117.46% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 168349   | 44.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.94%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 169651   | 120.84   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 120.84% |
| 24) Chloroform-d               | 4.65    | 84    | 224176   | 55.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.68% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 154052   | 57.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 115.02% |
| 32) Benzene-d6                 | 5.35    | 84    | 446994   | 58.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 116.40% |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 141471   | 57.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 114.34% |
| 41) Toluene-d8                 | 7.57    | 98    | 423056   | 57.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 114.88% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 72726    | 57.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 115.08% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 119635   | 115.47   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 115.47% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 189170   | 54.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 109.32% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 180160   | 57.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 115.92% |

## Target Compounds

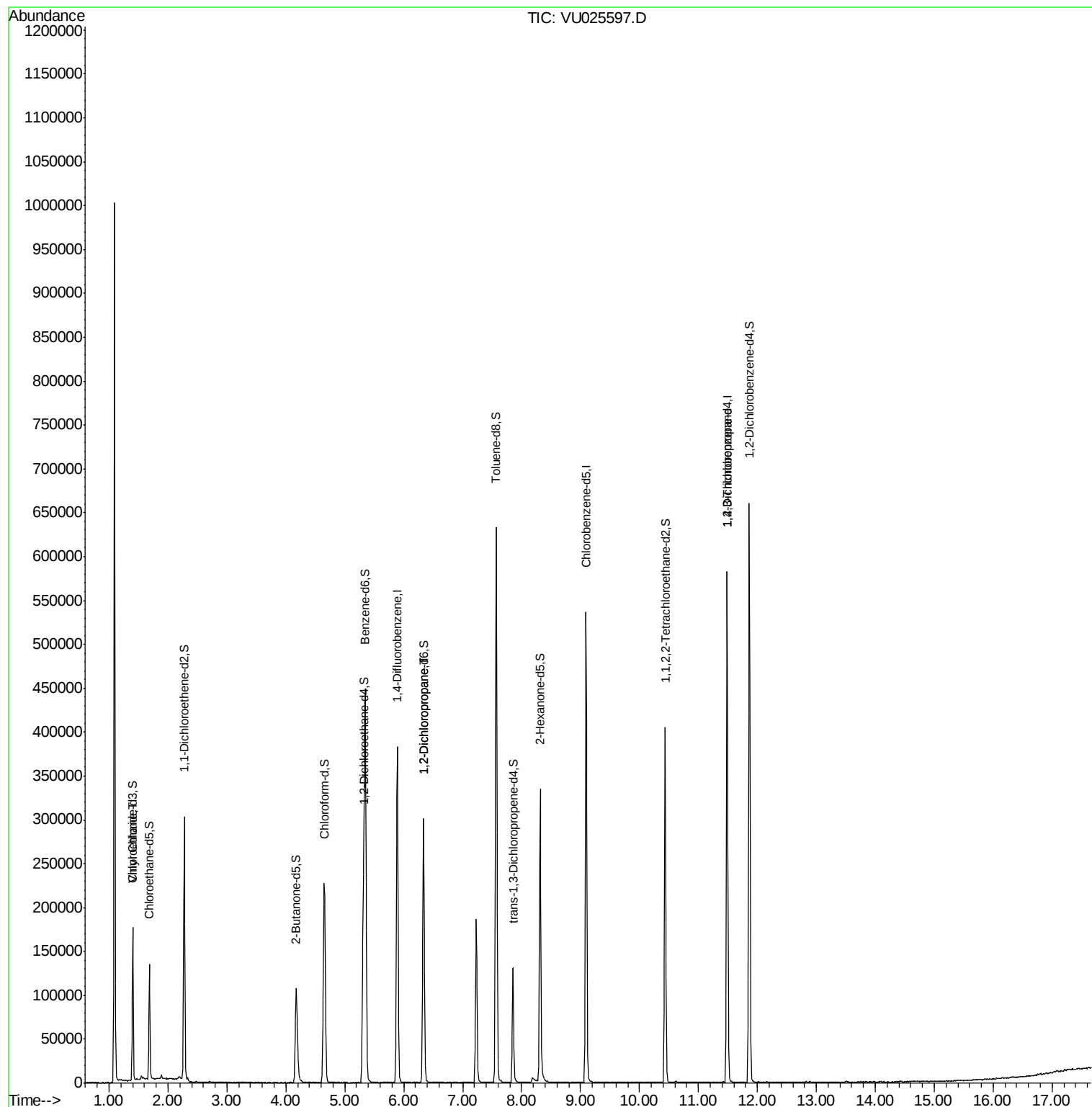
|                            |       |    |       | Ovalue       |    |
|----------------------------|-------|----|-------|--------------|----|
| 8) Chloroethane            | 1.40  | 64 | 1843  | 1.259 ug/L # | 1  |
| 37) 1,2-Dichloropropane    | 6.34  | 63 | 16153 | 6.870 ug/L # | 88 |
| 59) 1,2,3-Trichloropropane | 11.49 | 75 | 17199 | 6.228 ug/L # | 80 |

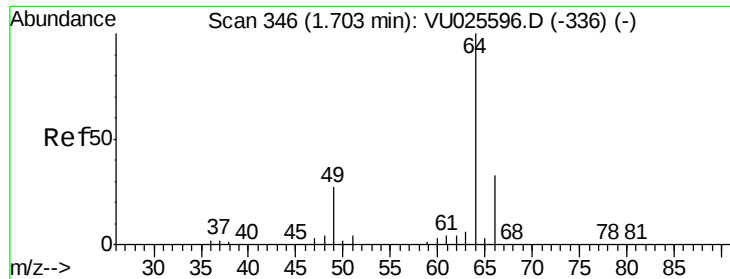
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072318\  
Data File : VU025597.D  
Acq On : 23 Jul 2018 12:59  
Operator : MD/SY  
Sample : VU0723WBL01  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK51

Quant Time: Jul 24 02:08:16 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM072018WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 24 02:07:37 2018  
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.259 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.30 min

Lab File: VU025597.D

Acq: 23 Jul 2018 12:59

Instrument :

MSVOA\_U

ClientSampled :

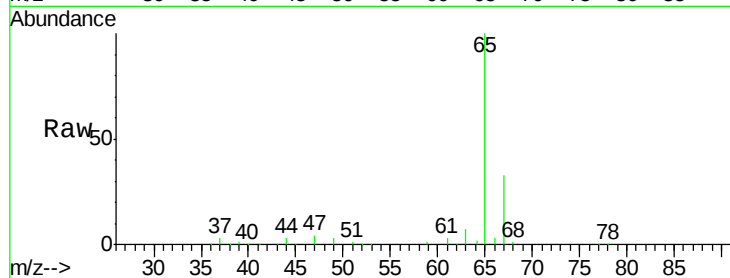
VBLK51

Tot Ion: 64 Resp: 1843

Ion Ratio Lower Upper

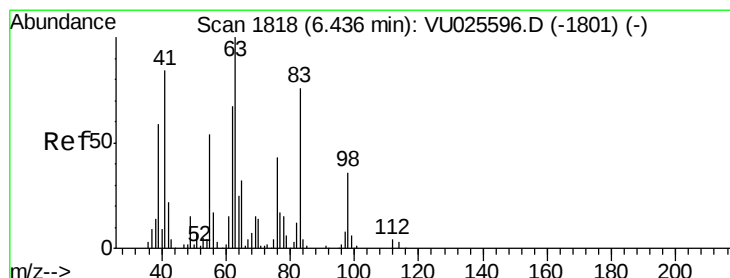
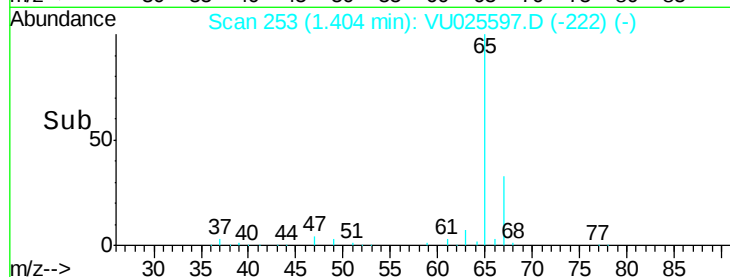
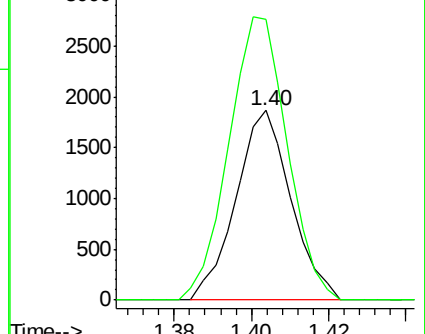
64 100

66 148.6 23.5 43.7#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#37

1,2-Dichloropropane

Concen: 6.870 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU025597.D

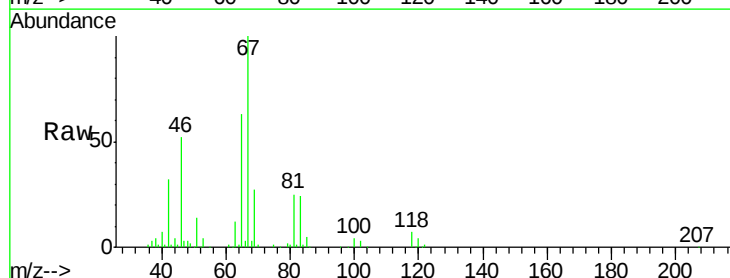
Acq: 23 Jul 2018 12:59

Tgt Ion: 63 Resp: 16153

Ion Ratio Lower Upper

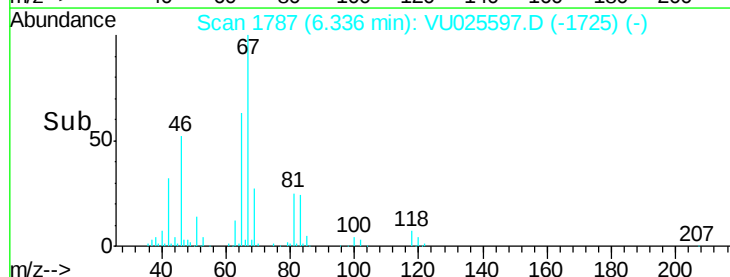
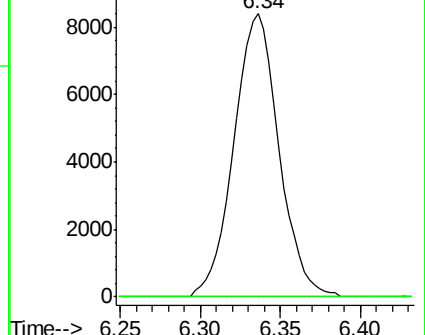
63 100

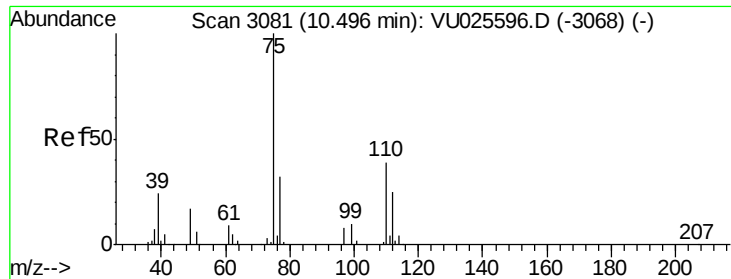
112 0.0 3.3 4.9#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#59

1,2,3-Trichloropropane

Concen: 6.228 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU025597.D

Acq: 23 Jul 2018 12:59

Instrument :

MSVOA\_U

ClientSampleId :

VBLK51

Tot Ion: 75 Resp: 17199

Ion Ratio Lower Upper

75 100

77 43.7 25.8 38.8#

