

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU041919\  
 Data File : VU031304.D  
 Acq On : 18 Apr 2019 14:04  
 Operator : JC/SP  
 Sample : VU0419WBL01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK36

Quant Time: Apr 19 04:41:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR041919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Apr 19 04:38:37 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 205144   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 208901   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 82064    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 114411   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 99.00%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 93023    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 101.00% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 166617   | 3.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 73.40%  |
| 20) 2-Butanone-d5              | 4.21   | 46    | 216198   | 48.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 97.80%  |
| 24) Chloroform-d               | 4.64   | 84    | 138082   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 79134    | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.40% |
| 32) Benzene-d6                 | 5.33   | 84    | 271654   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 87417    | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.60%  |
| 41) Toluene-d8                 | 7.56   | 98    | 231132   | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.80%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 32083    | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.60%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 152029   | 44.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 89.74%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 72825    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 81611    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.00% |

## Target Compounds

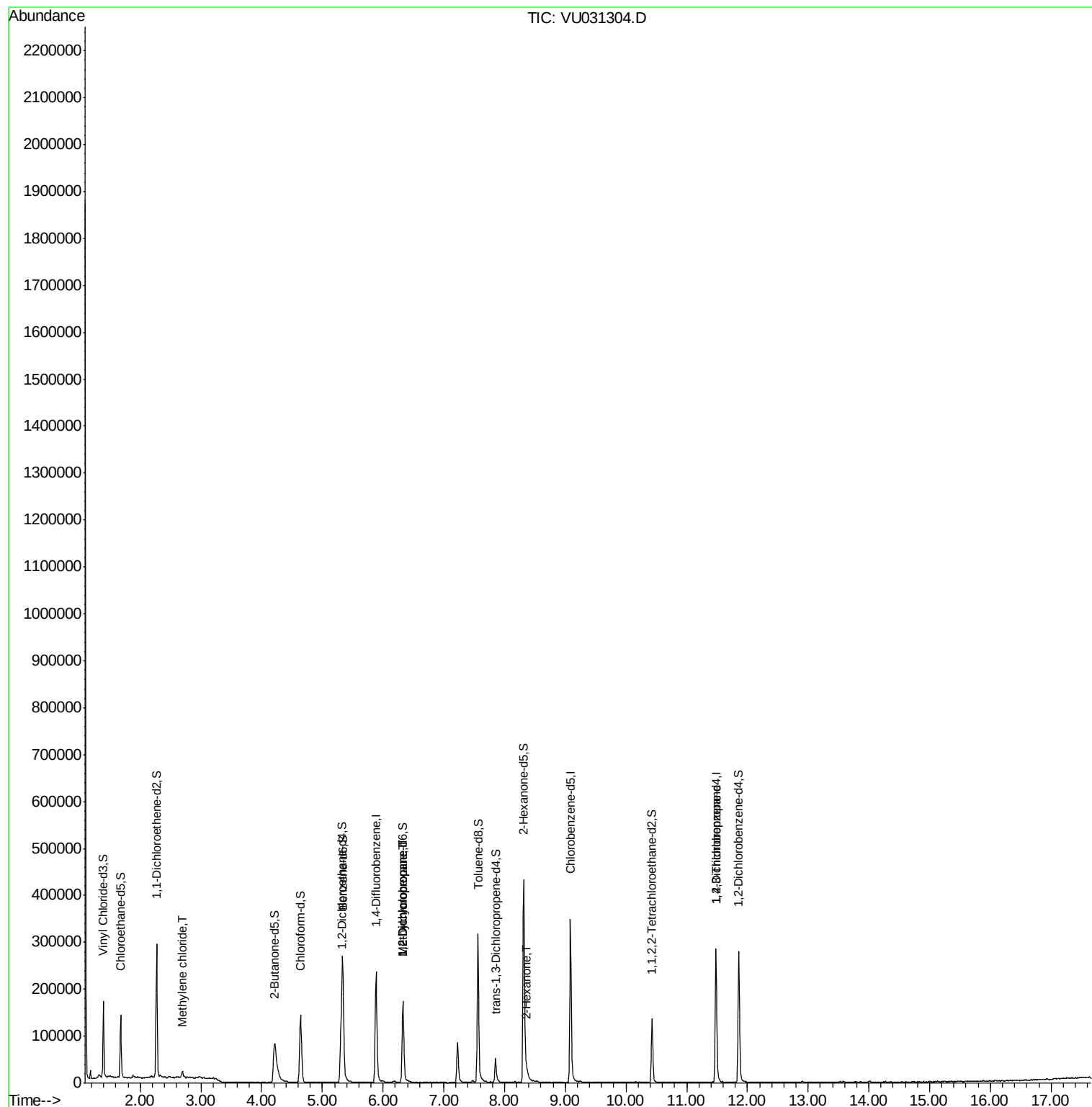
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride     | 2.70  | 84 | 5543  | 0.207 ug/L # | 83     |
| 35) Methylcyclohexane      | 6.33  | 83 | 20923 | 0.793 ug/L # | 14     |
| 37) 1,2-Dichloropropane    | 6.33  | 63 | 9291  | 0.497 ug/L # | 88     |
| 48) 2-Hexanone             | 8.37  | 43 | 8655  | 1.016 ug/L # | 84     |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 8423  | 0.690 ug/L # | 86     |

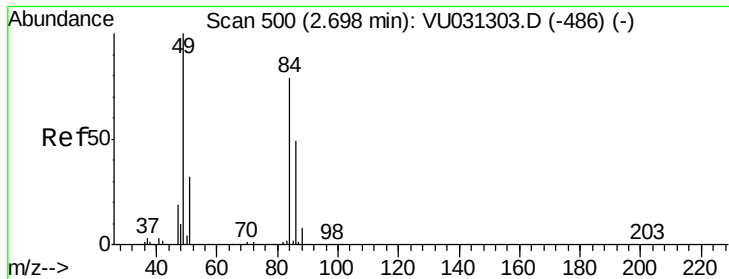
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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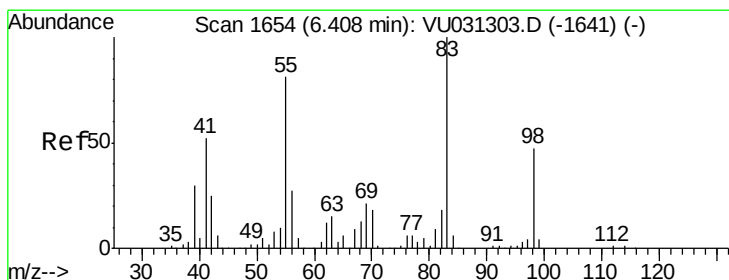
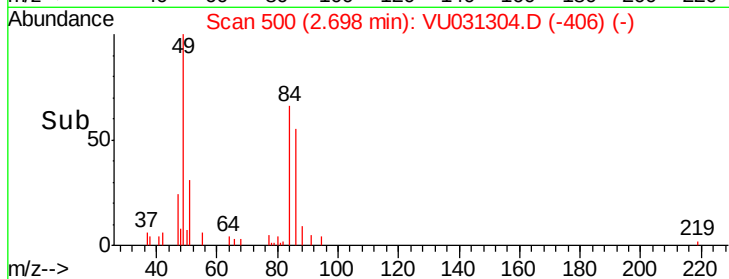
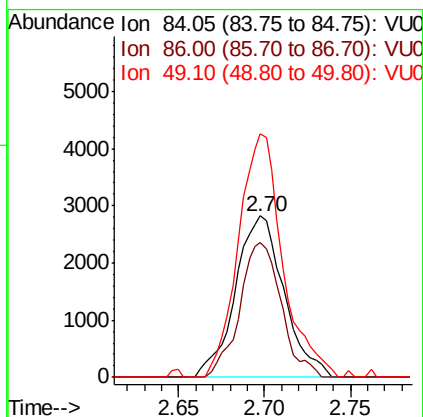
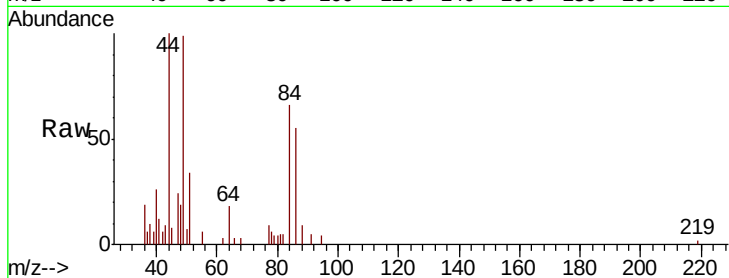




#16  
Methylene chloride  
Concen: 0.207 ug/L  
RT: 2.70 min Scan# 500  
Delta R.T. 0.00 min  
Lab File: VU031304.D  
Acq: 18 Apr 2019 14:04

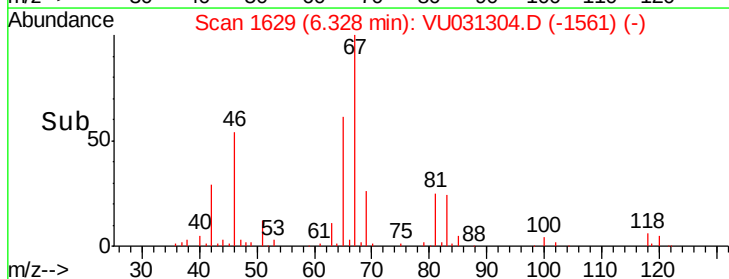
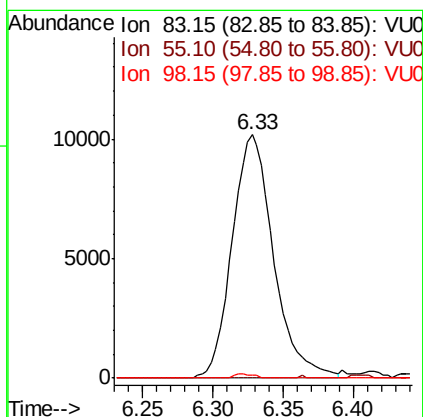
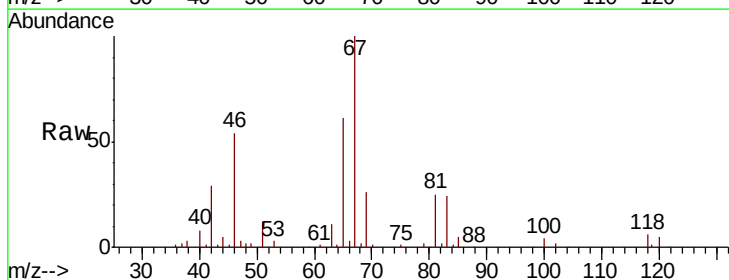
Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK36

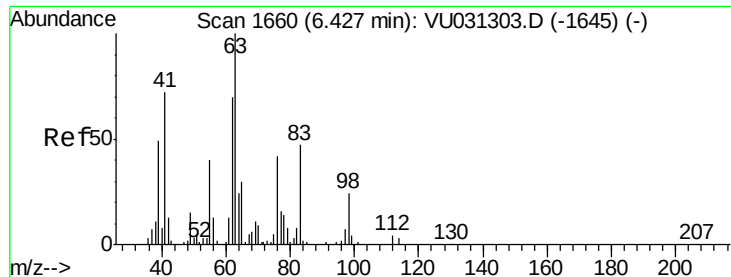
Tgt Ion: 84 Resp: 5543  
Ion Ratio Lower Upper  
84 100  
86 83.3 44.1 81.9#  
49 150.8 94.6 175.6



#35  
Methylcyclohexane  
Concen: 0.793 ug/L  
RT: 6.33 min Scan# 1629  
Delta R.T. -0.08 min  
Lab File: VU031304.D  
Acq: 18 Apr 2019 14:04

Tgt Ion: 83 Resp: 20923  
Ion Ratio Lower Upper  
83 100  
55 0.1 70.6 105.8#  
98 0.8 37.0 55.4#





#37

1,2-Dichloropropane

Concen: 0.497 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU031304.D

Acq: 18 Apr 2019 14:04

Instrument :

MSVOA\_U

ClientSampled :

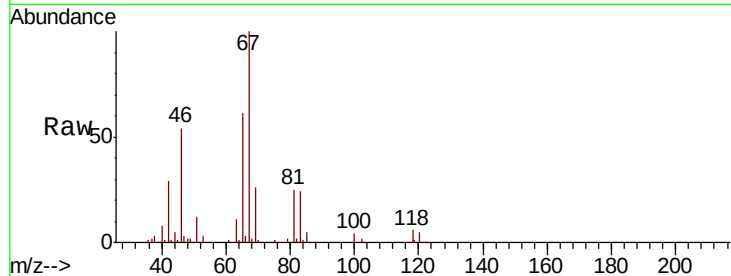
VBLK36

Tgt Ion: 63 Resp: 9291

Ion Ratio Lower Upper

63 100

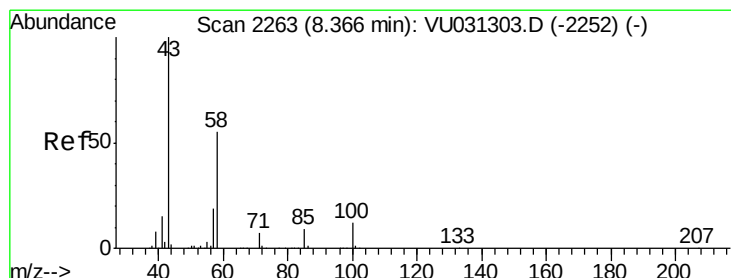
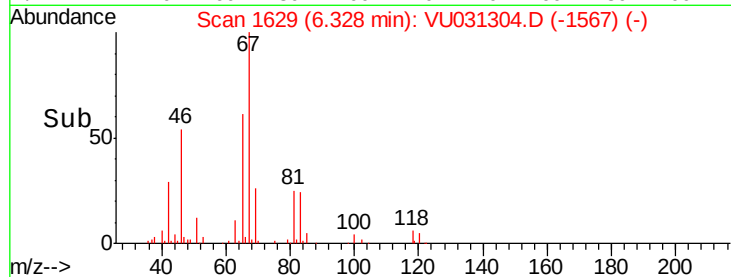
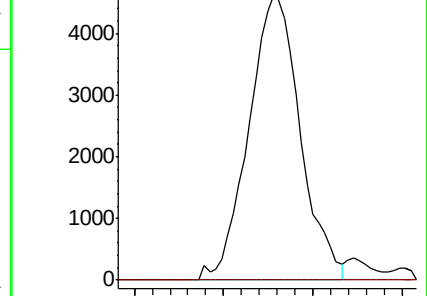
112 0.6 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU031303.D (-1645) (-)

Ion 112.10 (111.80 to 112.80): VU031303.D (-1645) (-)

6.33



#48

2-Hexanone

Concen: 1.016 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU031304.D

Acq: 18 Apr 2019 14:04

Tgt Ion: 43 Resp: 8655

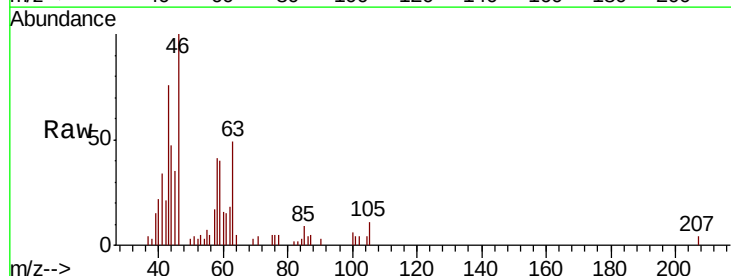
Ion Ratio Lower Upper

43 100

58 48.2 45.0 67.6

57 4.2 15.5 23.3#

100 7.9 8.7 13.1#

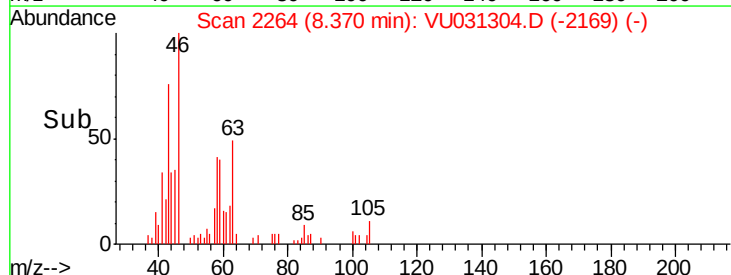
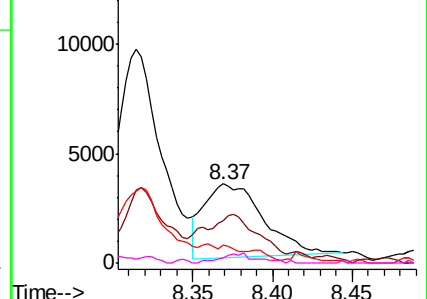


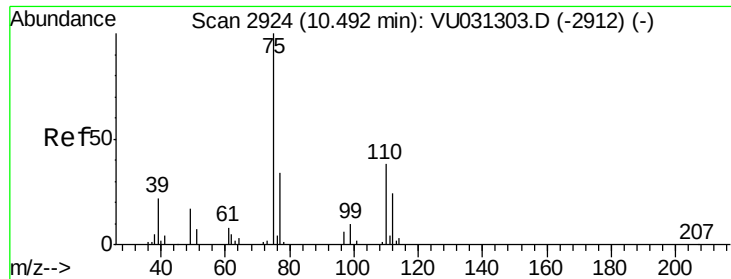
Abundance Ion 43.05 (42.75 to 43.75): VU031303.D (-2252) (-)

Ion 58.05 (57.75 to 58.75): VU031303.D (-2252) (-)

Ion 57.20 (56.90 to 57.90): VU031303.D (-2252) (-)

Ion 100.15 (99.85 to 100.85): VU031303.D (-2252) (-)





#59

1,2,3-Trichloropropane

Concen: 0.690 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031304.D

Acq: 18 Apr 2019 14:04

Instrument :

MSVOA\_U

ClientSampleId :

VBLK36

Tgt Ion: 75 Resp: 8423

Ion Ratio Lower Upper

75 100

77 41.8 27.0 40.6#

