

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\  
 Data File : VU037205.D  
 Acq On : 12 Mar 2020 21:56  
 Operator : JC/MD  
 Sample : VU0312WBL02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 13 08:30:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031220WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 13 08:28:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 390761   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 383192   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 159674   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 146090   | 48.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 96.62%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 124140   | 50.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 101.82% |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 207793   | 37.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.90%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 265279   | 110.84   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 110.84% |
| 24) Chloroform-d               | 5.11    | 84    | 281541   | 48.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.84%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 220940   | 51.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.82% |
| 32) Benzene-d6                 | 5.76    | 84    | 534227   | 50.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.30% |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 175680   | 50.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.76% |
| 41) Toluene-d8                 | 7.92    | 98    | 493080   | 48.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.80%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 89744    | 47.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.50%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 182636   | 102.16   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 102.16% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 256268   | 47.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.82%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 178548   | 53.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.82% |

## Target Compounds

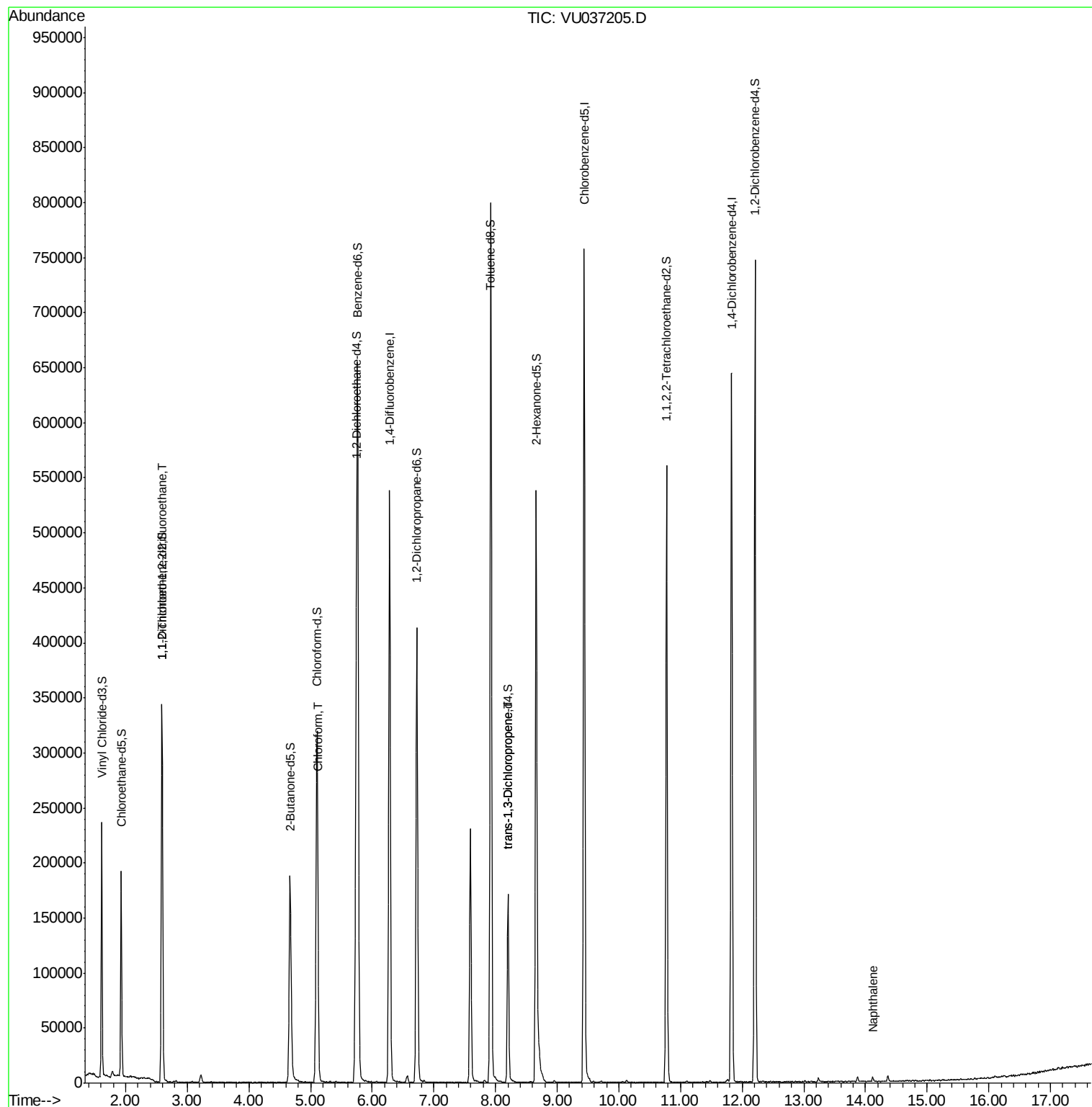
|                                |       |     |      |              | Ovalue |
|--------------------------------|-------|-----|------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59  | 101 | 2033 | 0.797 ug/L # | 21     |
| 25) Chloroform                 | 5.12  | 83  | 6340 | 1.084 ug/L   | 96     |
| 44) trans-1,3-Dichloropropene  | 8.20  | 75  | 5536 | 1.178 ug/L   | 95     |
| 69) Naphthalene                | 14.12 | 128 | 3504 | 0.802 ug/L # | 82     |

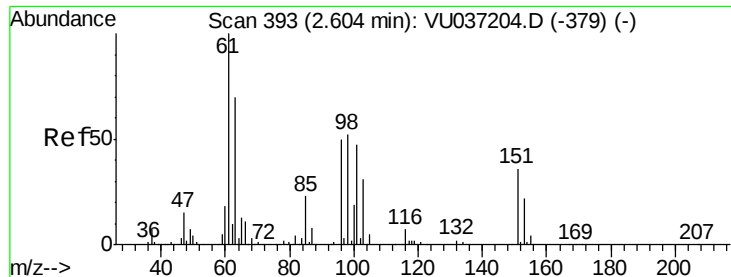
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.797 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037205.D

Acq: 12 Mar 2020 21:56

Instrument :

MSVOA\_U

ClientSampleId :

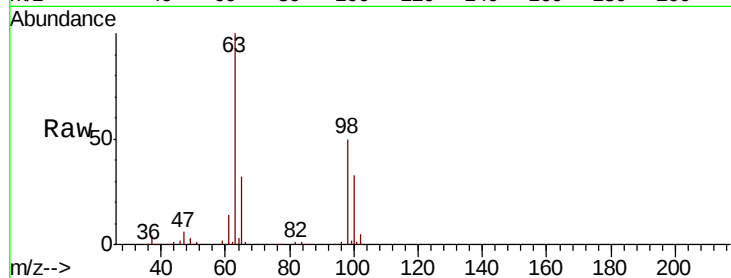
Tot Ion:101 Resp: 2033

Ion Ratio Lower Upper

101 100

85 2.0 37.8 56.6#

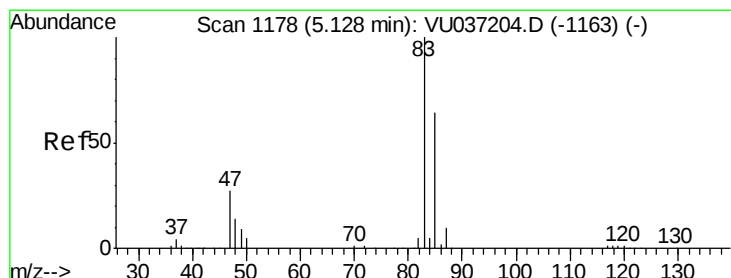
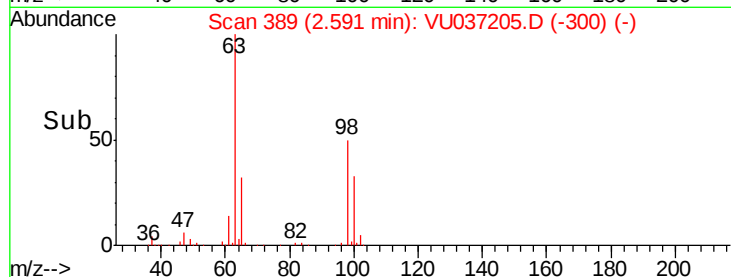
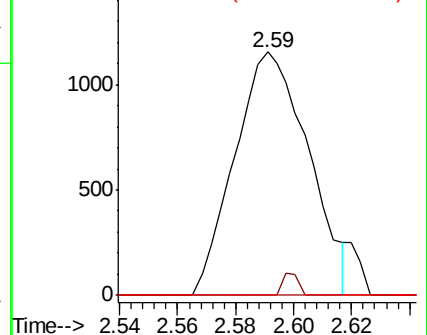
151 0.0 58.5 87.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 1.084 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU037205.D

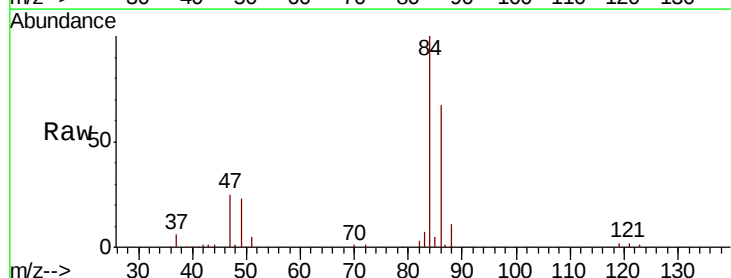
Acq: 12 Mar 2020 21:56

Tgt Ion: 83 Resp: 6340

Ion Ratio Lower Upper

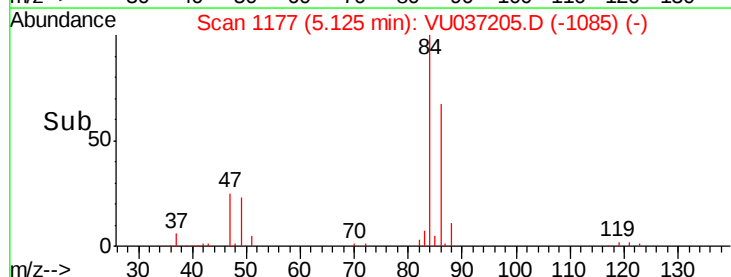
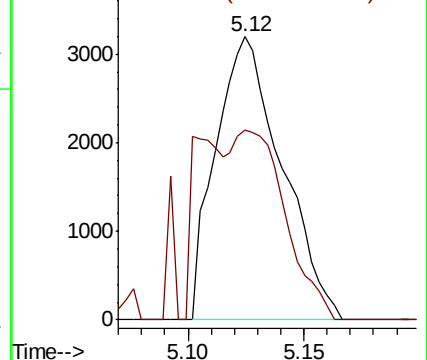
83 100

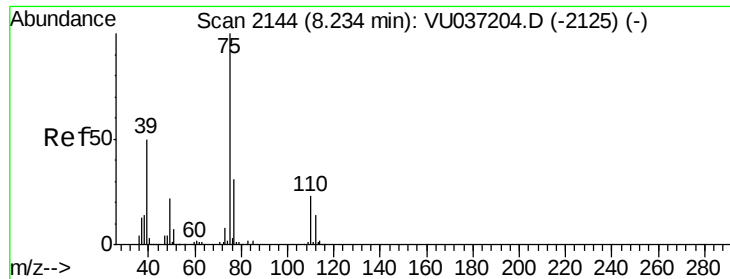
85 67.3 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 1.178 ug/L

RT: 8.20 min Scan# 2135

Delta R.T. -0.03 min

Lab File: VU037205.D

Acq: 12 Mar 2020 21:56

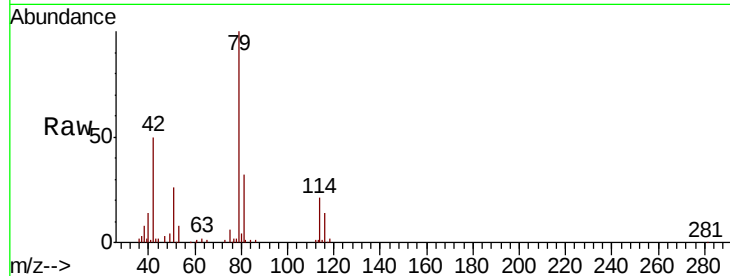
Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 75 Resp: 5536

Ion Ratio Lower Upper

75 100

77 34.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU037204.D (-2125) (-)

Ion 77.00 (76.70 to 77.70): VU037204.D (-2125) (-)

8.20

3000

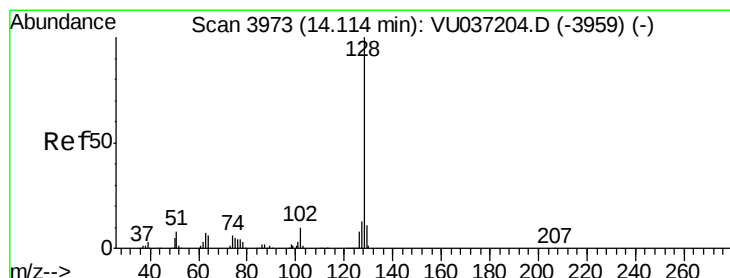
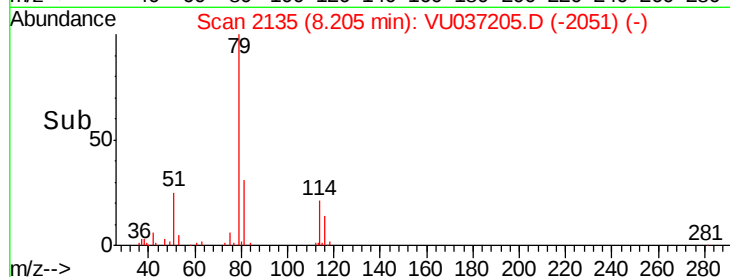
2000

1000

0

Time-->

8.15 8.20 8.25



#69

Naphthalene

Concen: 0.802 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037205.D

Acq: 12 Mar 2020 21:56

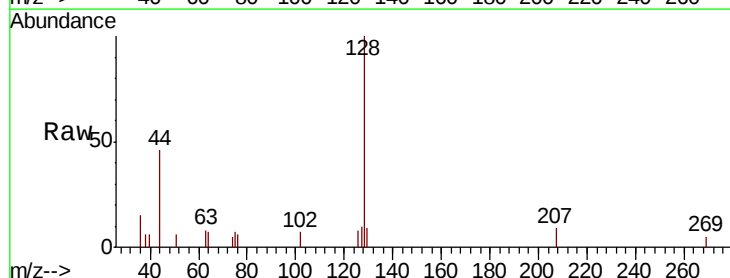
Tgt Ion: 128 Resp: 3504

Ion Ratio Lower Upper

128 100

127 8.7 10.2 15.4#

129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): VU037204.D (-3959) (-)

Ion 127.00 (126.70 to 127.70): VU037204.D (-3959) (-)

Ion 129.00 (128.70 to 129.70): VU037204.D (-3959) (-)

14.12

3000

2500

2000

1500

1000

500

0

Time-->

14.10 14.15

