

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110719\  
 Data File : VU035675.D  
 Acq On : 07 Nov 2019 21:17  
 Operator : JC/SP  
 Sample : VIBLK40  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK40

Quant Time: Nov 08 06:17:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM103119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 08 06:13:27 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 695032   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 669124   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 206110   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62    | 65    | 266390   | 47.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.92%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 221236   | 49.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.70%  |
| 11) 1,1-Dichloroethene-d2      | 2.60    | 63    | 314709   | 36.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.10%  |
| 21) 2-Butanone-d5              | 4.69    | 46    | 317621   | 96.86    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.86%  |
| 24) Chloroform-d               | 5.11    | 84    | 412538   | 47.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.16%  |
| 26) 1,2-Dichloroethane-d4      | 5.75    | 65    | 262983   | 49.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.04%  |
| 32) Benzene-d6                 | 5.77    | 84    | 893222   | 51.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.42% |
| 36) 1,2-Dichloropropane-d6     | 6.74    | 67    | 290957   | 51.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.88% |
| 41) Toluene-d8                 | 7.93    | 98    | 819773   | 49.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.66%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 125350   | 48.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.22%  |
| 47) 2-Hexanone-d5              | 8.68    | 63    | 208736   | 96.29    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.29%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79   | 84    | 381188   | 47.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.78%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22   | 152   | 219204   | 52.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.46% |

## Target Compounds

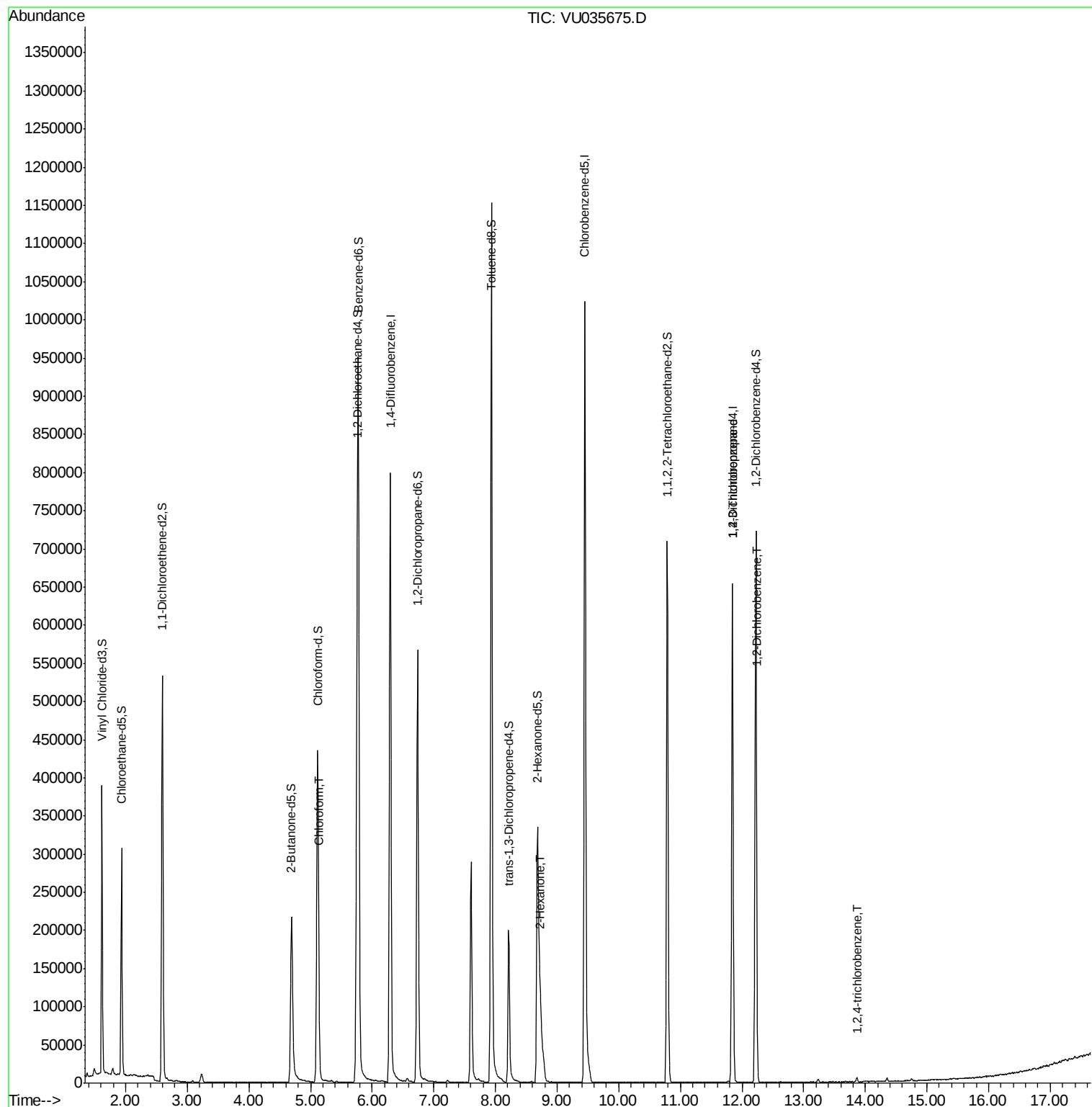
|                            |       |     |       |              | Ovalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 25) Chloroform             | 5.14  | 83  | 11512 | 1.314 ug/L   | 98     |
| 48) 2-Hexanone             | 8.73  | 43  | 21763 | 3.972 ug/L # | 85     |
| 59) 1,2,3-Trichloropropane | 11.84 | 75  | 22889 | 3.486 ug/L   | 97     |
| 65) 1,2-Dichlorobenzene    | 12.24 | 146 | 9697  | 1.465 ug/L # | 83     |
| 68) 1,2,4-trichlorobenzene | 13.86 | 180 | 2075  | 0.825 ug/L # | 91     |

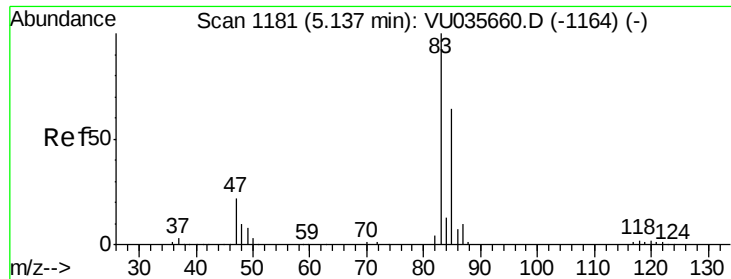
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110719\  
Data File : VU035675.D  
Acq On : 07 Nov 2019 21:17  
Operator : JC/SP  
Sample : VIBLK40  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VIBLK40

Quant Time: Nov 08 06:17:23 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM103119WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 08 06:13:27 2019  
Response via : Initial Calibration





#25

Chloroform

Concen: 1.314 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035675.D

Acq: 07 Nov 2019 21:17

Instrument :

MSVOA\_U

ClientSampleId :

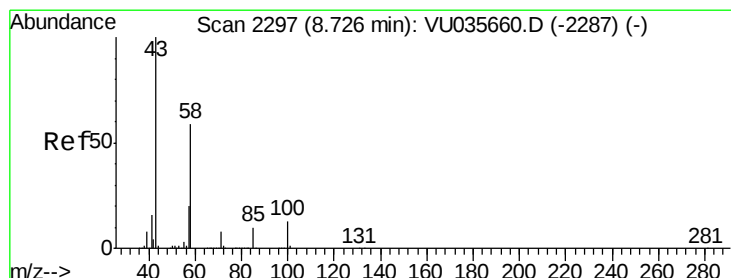
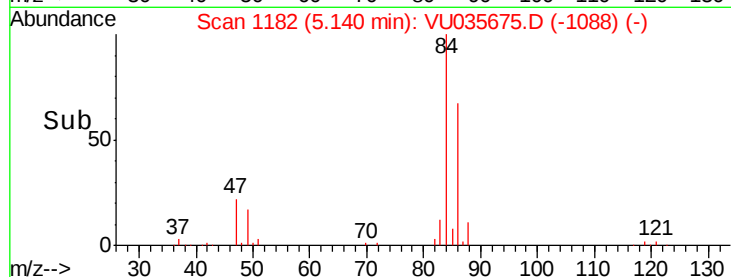
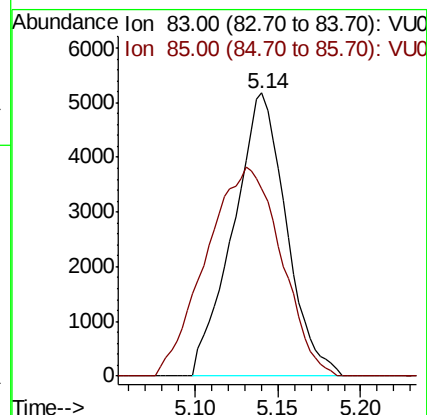
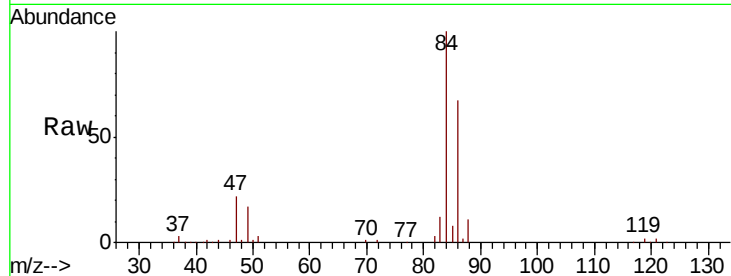
VIBLK40

Tot Ion: 83 Resp: 11512

Ion Ratio Lower Upper

83 100

85 66.3 45.4 84.4



#48

2-Hexanone

Concen: 3.972 ug/L

RT: 8.73 min Scan# 2298

Delta R.T. 0.00 min

Lab File: VU035675.D

Acq: 07 Nov 2019 21:17

Tgt Ion: 43 Resp: 21763

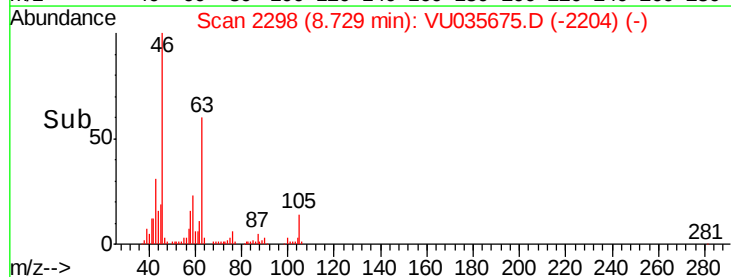
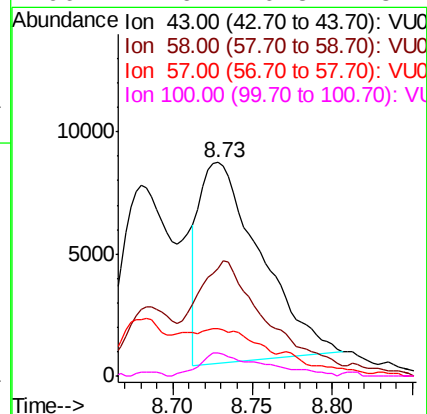
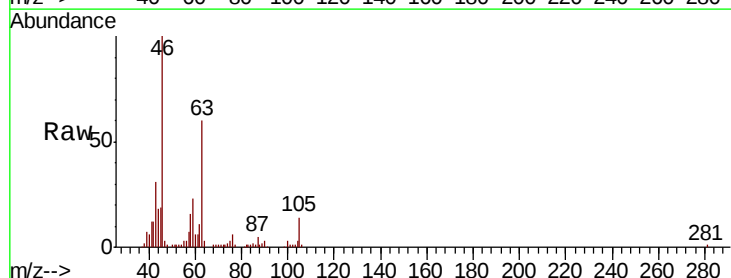
Ion Ratio Lower Upper

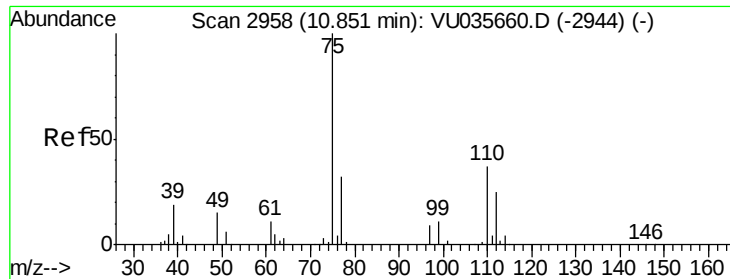
43 100

58 66.2 50.4 75.6

57 0.0 17.4 26.0#

100 7.6 10.5 15.7#





#59

1,2,3-Trichloropropane

Concen: 3.486 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035675.D

Acq: 07 Nov 2019 21:17

Instrument :

MSVOA\_U

ClientSampled :

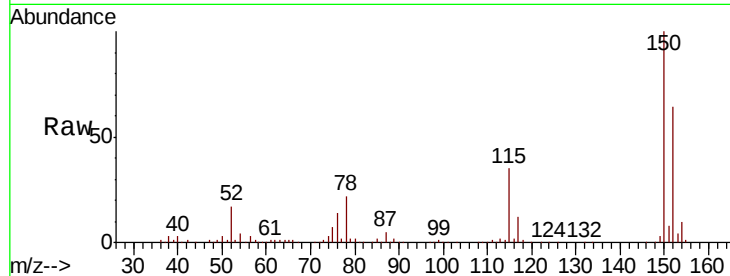
VIBLK40

Tot Ion: 75 Resp: 22889

Ion Ratio Lower Upper

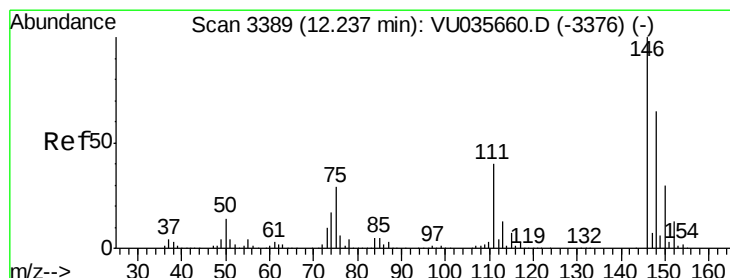
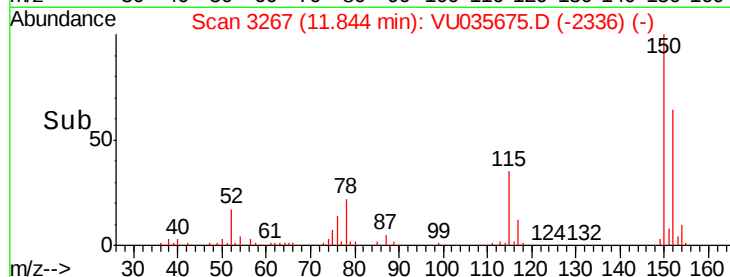
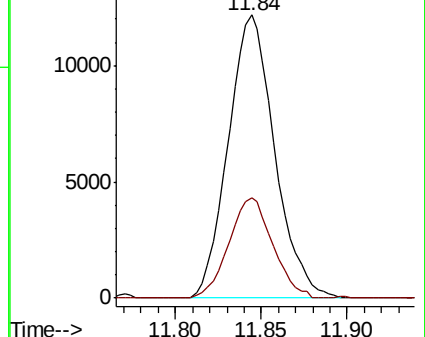
75 100

77 33.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU035660.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU035660.D (-2944) (-)



#65

1,2-Dichlorobenzene

Concen: 1.465 ug/L

RT: 12.24 min Scan# 3391

Delta R.T. 0.01 min

Lab File: VU035675.D

Acq: 07 Nov 2019 21:17

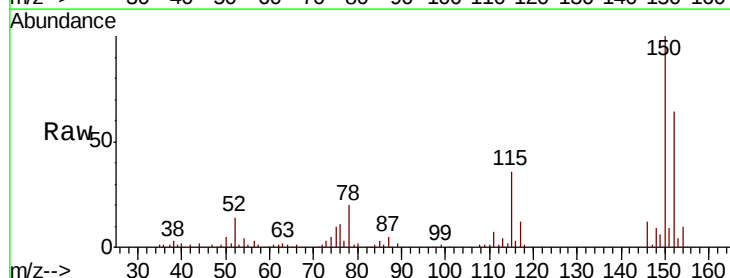
Tgt Ion: 146 Resp: 9697

Ion Ratio Lower Upper

146 100

111 55.2 32.4 48.6#

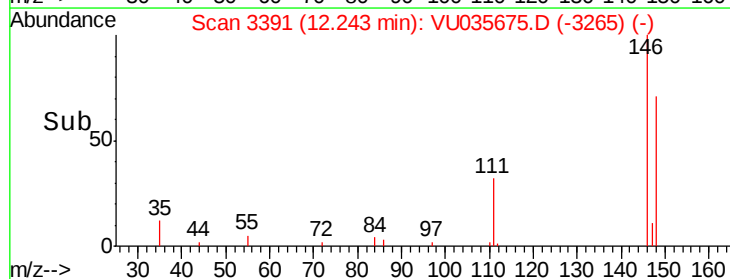
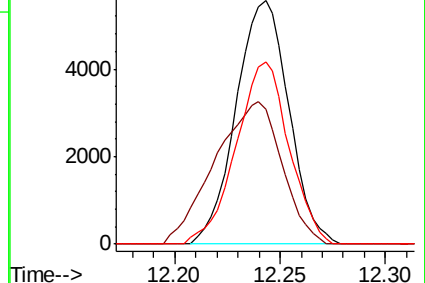
148 74.7 51.8 77.6

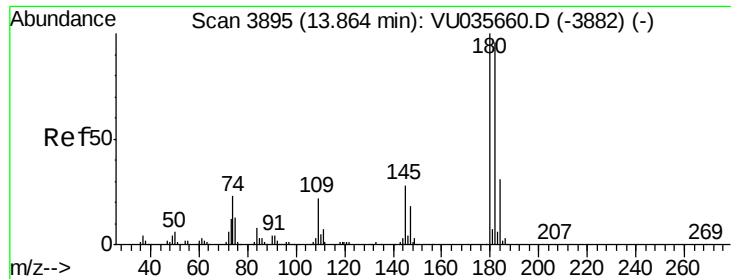


Abundance Ion 146.00 (145.70 to 146.70): VU035660.D (-3376) (-)

Ion 111.00 (110.70 to 111.70): VU035660.D (-3376) (-)

Ion 148.00 (147.70 to 148.70): VU035660.D (-3376) (-)





#68  
 1,2,4-trichlorobenzene  
 Concen: 0.825 ug/L  
 RT: 13.86 min Scan# 3895  
 Delta R.T. -0.00 min  
 Lab File: VU035675.D  
 Acq: 07 Nov 2019 21:17

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK40

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.3  | 76.6  | 115.0 |
| 145     | 13.5  | 21.9  | 32.9  |

