

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111320\  
 Data File : VU041223.D  
 Acq On : 13 Nov 2020 10:47  
 Operator : SY/MD  
 Sample : VU1113WBL05  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK205

Quant Time: Nov 17 01:04:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMUSIM111220.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Nov 13 13:55:56 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.23  | 114  | 5630     | 0.50 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 9.35  | 117  | 5242     | 0.50 | ug/L  | 0.00     |
| 11) 1,4-Dichlorobenzene-d4 | 11.74 | 152  | 3048     | 0.50 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |       |          |          |      |         |
|--------------------------------|-------|-------|----------|----------|------|---------|
| 2) Vinyl Chloride-d3           | 1.61  | 65    | 4490     | 0.53     | ug/L | 0.00    |
| Spiked Amount                  | 0.500 | Range | 40 - 130 | Recovery | =    | 106.00% |
| 4) 1,2-Dichloroethane-d4       | 5.68  | 65    | 3858     | 0.45     | ug/L | 0.00    |
| Spiked Amount                  | 0.500 | Range | 70 - 130 | Recovery | =    | 90.00%  |
| 7) 1,2-Dichloropropane-d6      | 6.66  | 67    | 3236     | 0.50     | ug/L | 0.00    |
| Spiked Amount                  | 0.500 | Range | 60 - 140 | Recovery | =    | 100.00% |
| 8) Toluene-d8                  | 7.85  | 98    | 4860     | 0.46     | ug/L | 0.00    |
| Spiked Amount                  | 0.500 | Range | 70 - 130 | Recovery | =    | 92.00%  |
| 10) 1,1,2,2-Tetrachloroethane- | 10.68 | 84    | 3332     | 0.52     | ug/L | 0.00    |
| Spiked Amount                  | 0.500 | Range | 65 - 120 | Recovery | =    | 104.00% |

## Target Compounds

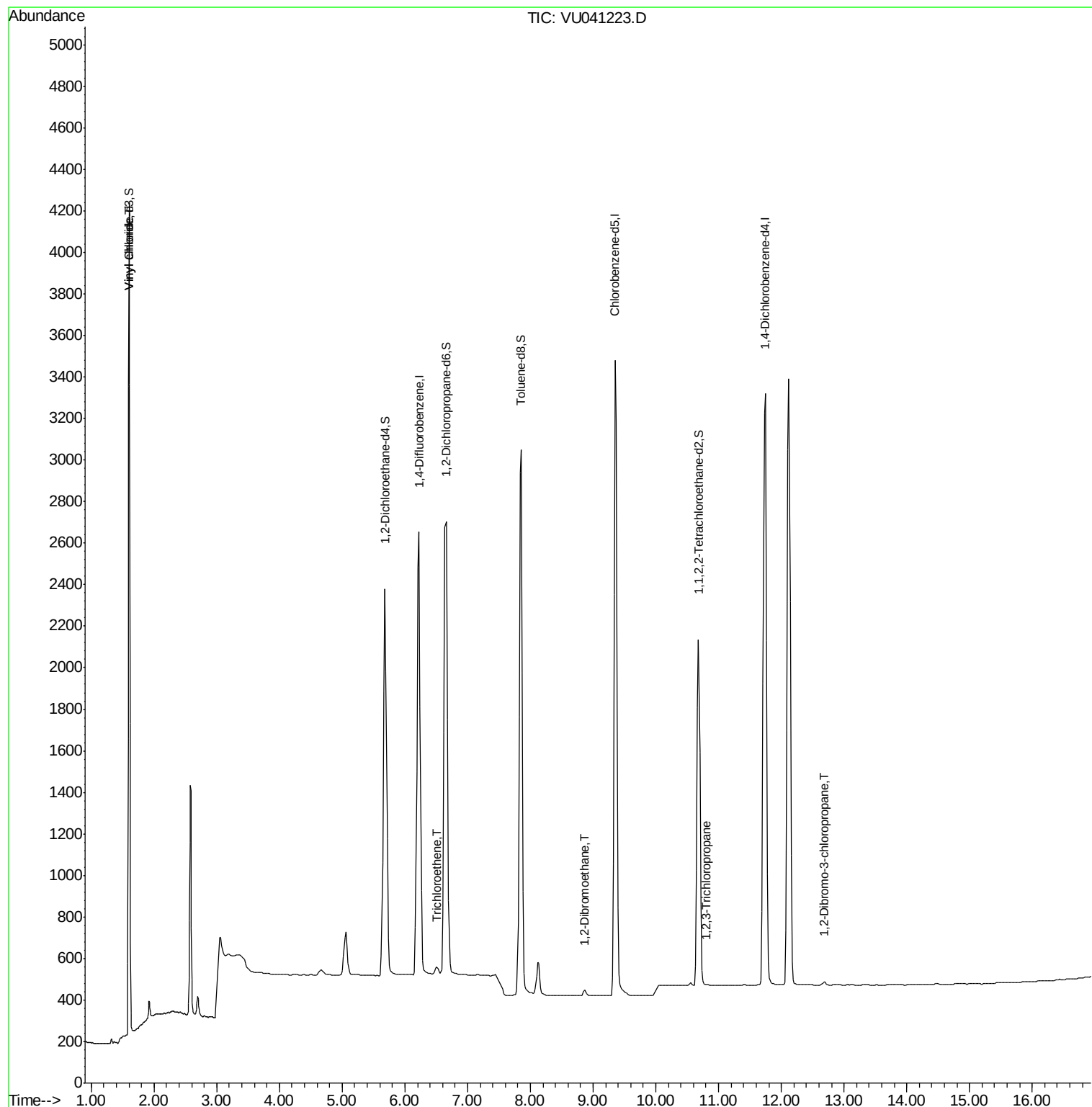
|                                |       |     |    |              | Qvalue |
|--------------------------------|-------|-----|----|--------------|--------|
| 3) Vinyl chloride              | 1.61  | 62  | 33 | 0.004 ug/L # | 1      |
| 6) Trichloroethene             | 6.51  | 95  | 37 | 0.007 ug/L # | 90     |
| 9) 1,2-Dibromoethane           | 8.85  | 107 | 16 | 0.004 ug/L # | 79     |
| 12) 1,2,3-Trichloropropane     | 10.80 | 75  | 19 | 0.004 ug/L # | 78     |
| 13) 1,2-Dibromo-3-chloropropan | 12.69 | 75  | 35 | 0.036 ug/L   | 92     |

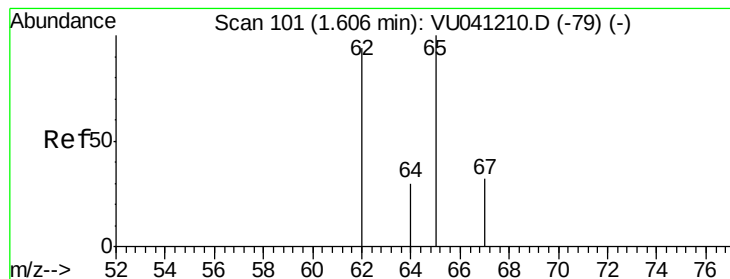
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Vinyl chloride

Concen: 0.004 ug/L

RT: 1.61 min Scan# 101

Delta R.T. -0.00 min

Lab File: VU041223.D

Acq: 13 Nov 2020 10:47

Instrument :

MSVOA\_U

ClientSampleId :

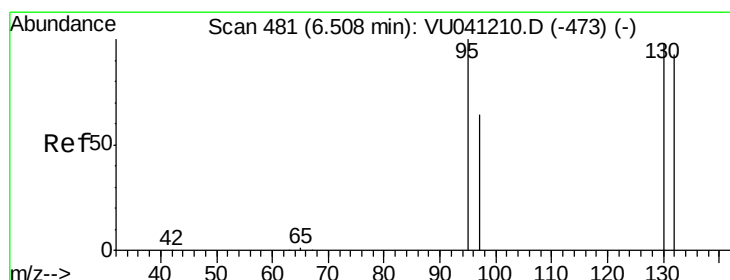
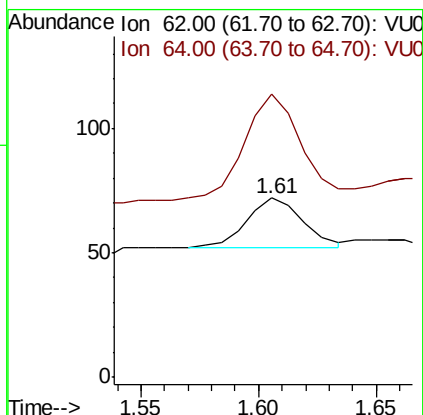
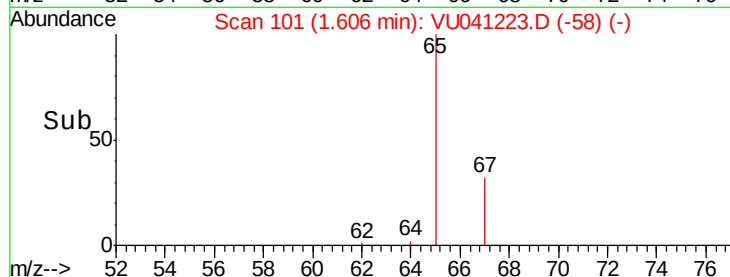
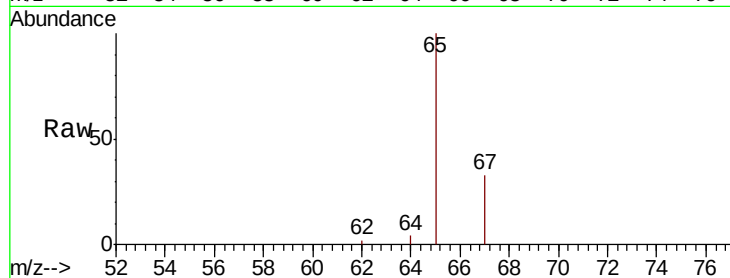
VBLK205

Tot Ion: 62 Resp: 33

Ion Ratio Lower Upper

62 100

64 158.3 23.9 44.3#



#6

Trichloroethene

Concen: 0.007 ug/L

RT: 6.51 min Scan# 481

Delta R.T. -0.00 min

Lab File: VU041223.D

Acq: 13 Nov 2020 10:47

Tgt Ion: 95 Resp: 37

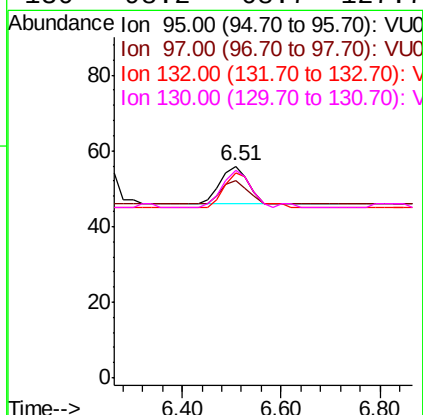
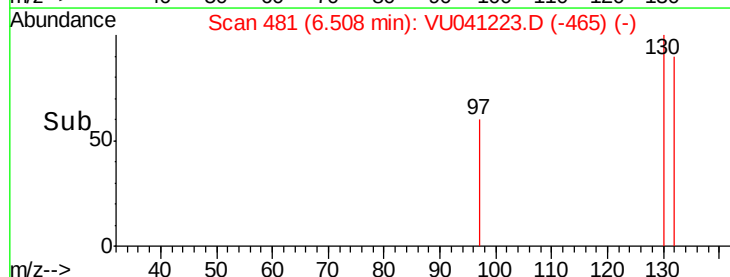
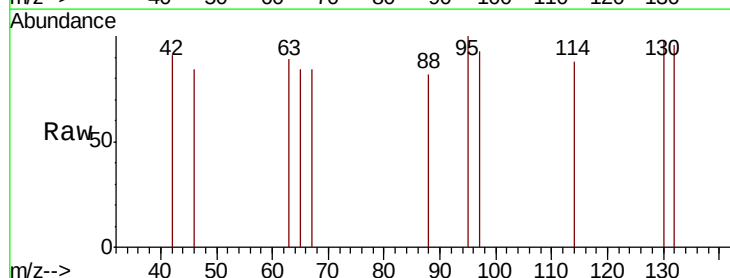
Ion Ratio Lower Upper

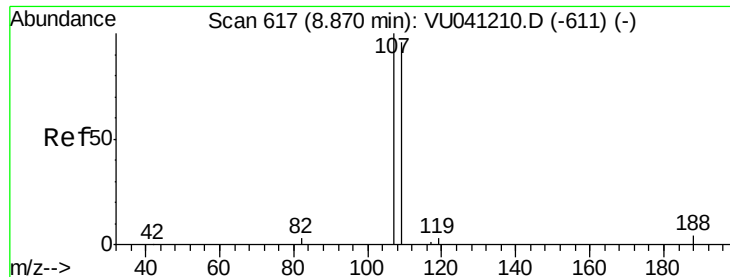
95 100

97 92.9 46.0 85.4#

132 96.4 65.3 121.3

130 98.2 68.7 127.7





#9

1,2-Dibromoethane

Concen: 0.004 ug/L

RT: 8.85 min Scan# 616

Delta R.T. -0.02 min

Lab File: VU041223.D

Acq: 13 Nov 2020 10:47

Instrument :

MSVOA\_U

ClientSampleId :

VBLK205

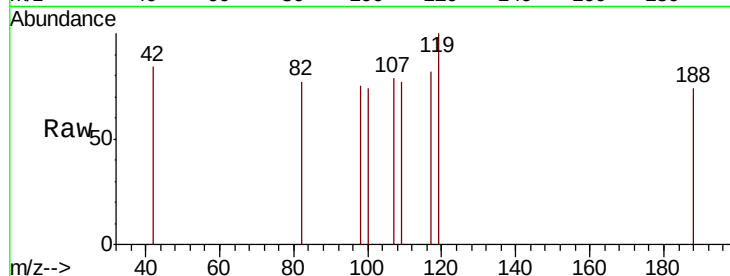
Tot Ion:107 Resp: 16

Ion Ratio Lower Upper

107 100

109 97.9 67.7 125.7

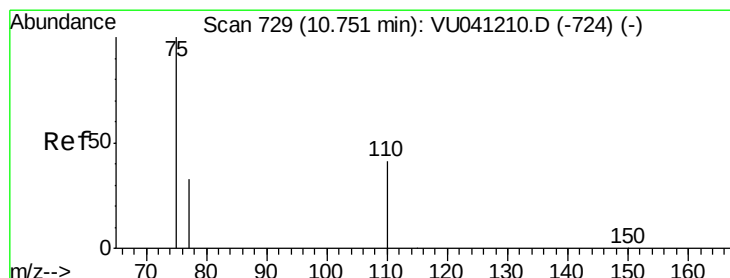
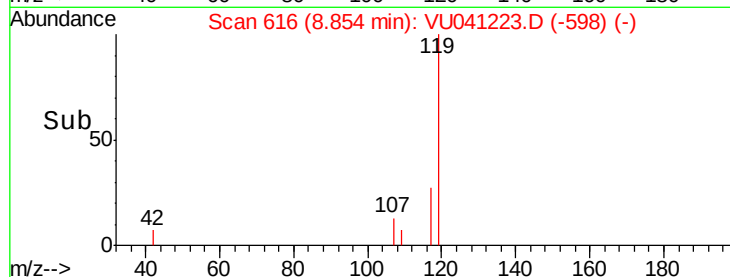
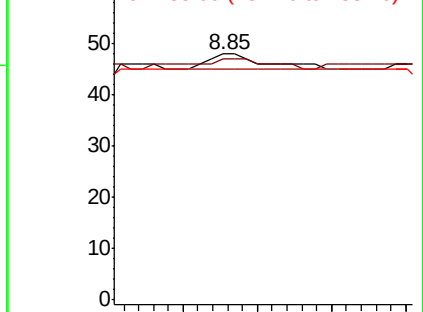
188 93.8 7.0 10.6#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#12

1,2,3-Trichloropropane

Concen: 0.004 ug/L

RT: 10.80 min Scan# 732

Delta R.T. 0.05 min

Lab File: VU041223.D

Acq: 13 Nov 2020 10:47

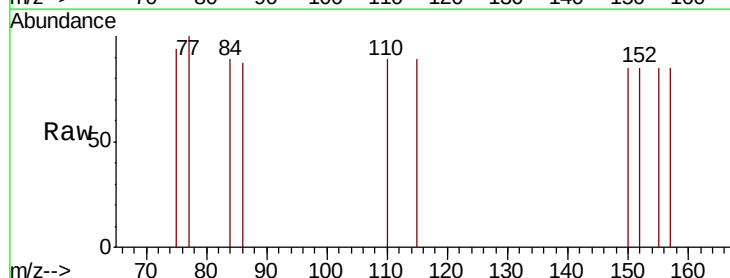
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

110 47.4 31.0 46.4#

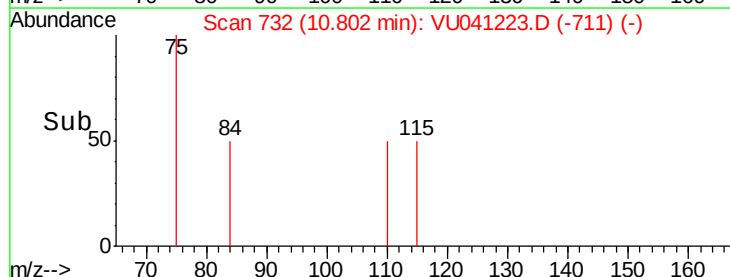
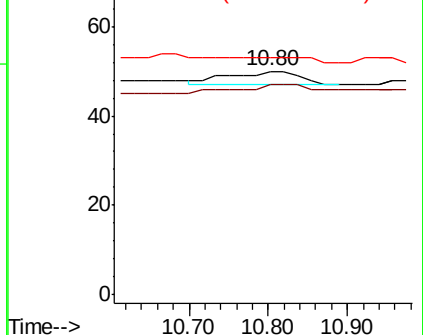
77 15.8 26.7 40.1#

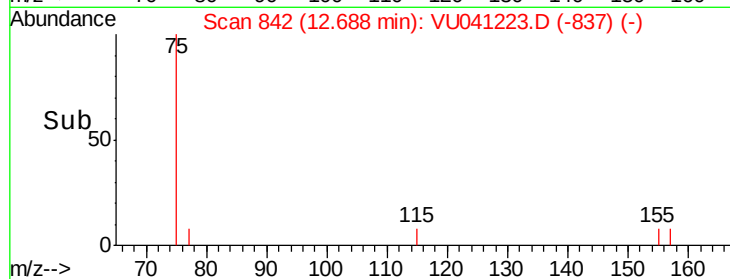
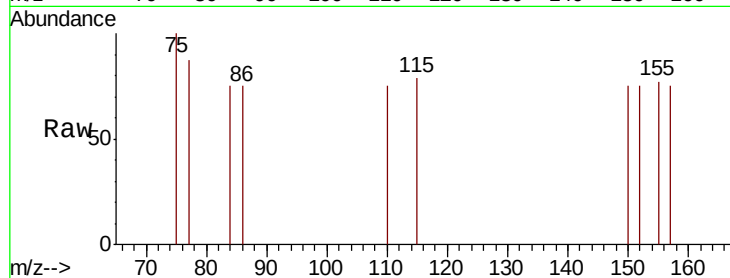
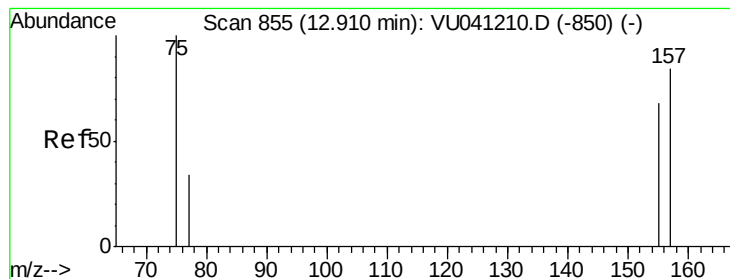


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU0





#13

1,2-Dibromo-3-chloropropane

Concen: 0.036 ug/L

RT: 12.69 min Scan# 842

Delta R.T. -0.22 min

Lab File: VU041223.D

Acq: 13 Nov 2020 10:47

Instrument :

MSVOA\_U

ClientSampleId :

VBLK205

Tot Ion: 75 Resp: 35

Ion Ratio Lower Upper

75 100

157 75.4 68.7 103.1

155 77.0 58.9 88.3

