

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111320\  
 Data File : VU041220.D  
 Acq On : 13 Nov 2020 09:23  
 Operator : SY/MD  
 Sample : VSTDCCC0.5  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.5209

Quant Time: Nov 17 01:03:48 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  | 6951     | 0.50 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 9.35  | 117  | 6619     | 0.50 | ug/L  | 0.00     |
| 11) 1,4-Dichlorobenzene-d4 | 11.74 | 152  | 3762     | 0.50 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |       |          |          |      |          |
|--------------------------------|-------|-------|----------|----------|------|----------|
| 2) Vinyl Chloride-d3           | 1.61  | 65    | 5996     | 0.57     | ug/L | 0.00     |
| Spiked Amount                  | 0.500 | Range | 40 - 130 | Recovery | =    | 114.00%  |
| 4) 1,2-Dichloroethane-d4       | 5.68  | 65    | 5155     | 0.49     | ug/L | 0.00     |
| Spiked Amount                  | 0.500 | Range | 70 - 130 | Recovery | =    | 98.00%   |
| 7) 1,2-Dichloropropane-d6      | 6.66  | 67    | 4347     | 0.53     | ug/L | 0.00     |
| Spiked Amount                  | 0.500 | Range | 60 - 140 | Recovery | =    | 106.00%  |
| 8) Toluene-d8                  | 7.83  | 98    | 6699     | 0.51     | ug/L | -0.02    |
| Spiked Amount                  | 0.500 | Range | 70 - 130 | Recovery | =    | 102.00%  |
| 10) 1,1,2,2-Tetrachloroethane- | 10.68 | 84    | 4962     | 0.62     | ug/L | 0.00     |
| Spiked Amount                  | 0.500 | Range | 65 - 120 | Recovery | =    | 124.00%# |

## Target Compounds

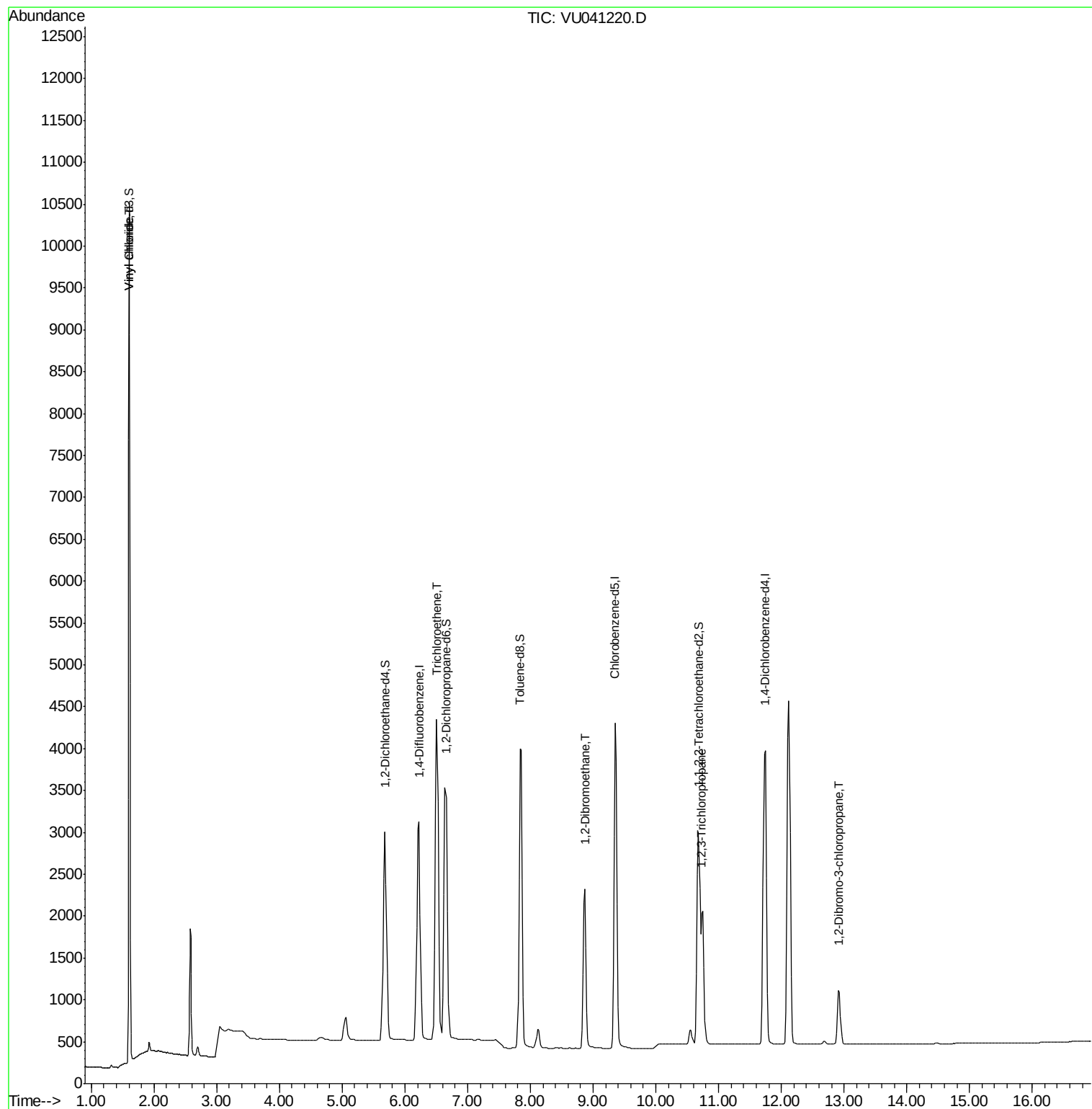
|                                |       |     |      |       | Qvalue  |
|--------------------------------|-------|-----|------|-------|---------|
| 3) Vinyl chloride              | 1.61  | 62  | 5867 | 0.585 | ug/L 99 |
| 6) Trichloroethene             | 6.51  | 95  | 3796 | 0.542 | ug/L 98 |
| 9) 1,2-Dibromoethane           | 8.87  | 107 | 2982 | 0.574 | ug/L 99 |
| 12) 1,2,3-Trichloropropane     | 10.73 | 75  | 3176 | 0.556 | ug/L 98 |
| 13) 1,2-Dibromo-3-chloropropan | 12.91 | 75  | 735  | 0.608 | ug/L 99 |

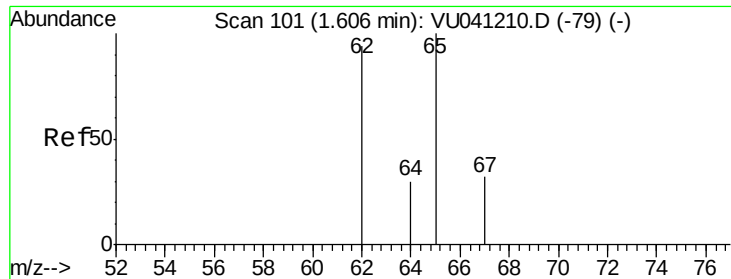
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Vinyl chloride

Concen: 0.585 ug/L

RT: 1.61 min Scan# 101

Delta R.T. -0.00 min

Lab File: VU041220.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA\_U

ClientSampleId :

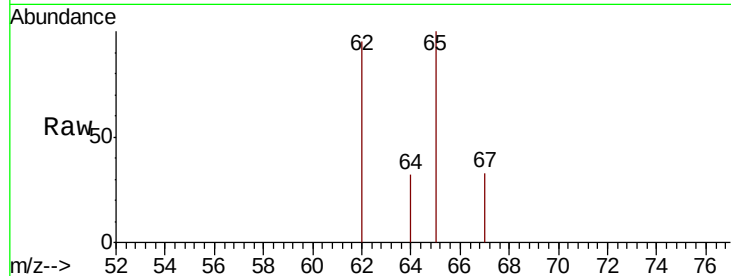
VSTD0.5209

Tot Ion: 62 Resp: 5867

Ion Ratio Lower Upper

62 100

64 33.4 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU041210.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU041210.D (-79) (-)

1.61

4000

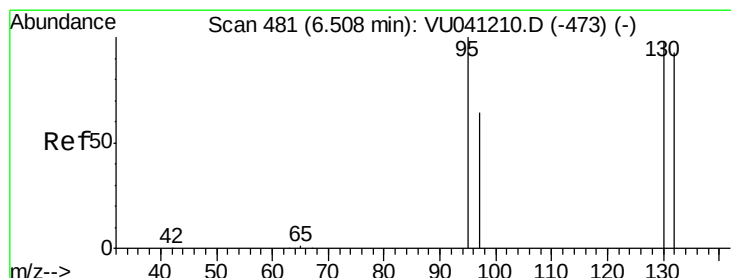
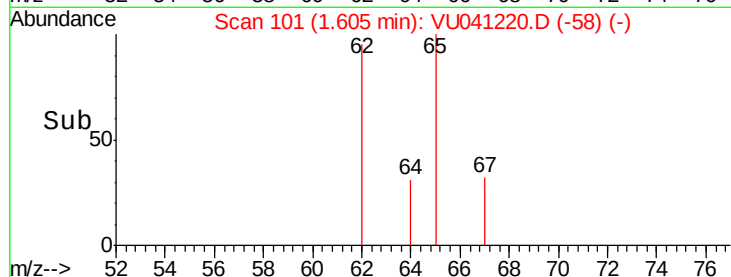
3000

2000

1000

0

Time-->



#6

Trichloroethene

Concen: 0.542 ug/L

RT: 6.51 min Scan# 481

Delta R.T. -0.00 min

Lab File: VU041220.D

Acq: 13 Nov 2020 09:23

Tgt Ion: 95 Resp: 3796

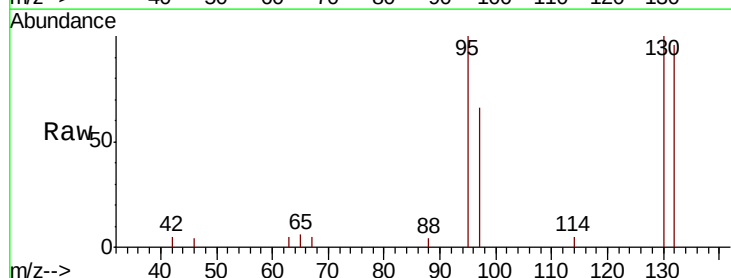
Ion Ratio Lower Upper

95 100

97 66.6 46.0 85.4

132 96.0 65.3 121.3

130 100.5 68.7 127.7



Abundance Ion 95.00 (94.70 to 95.70): VU041210.D (-473) (-)

Ion 97.00 (96.70 to 97.70): VU041210.D (-473) (-)

Ion 132.00 (131.70 to 132.70): VU041210.D (-473) (-)

Ion 130.00 (129.70 to 130.70): VU041210.D (-473) (-)

6.51

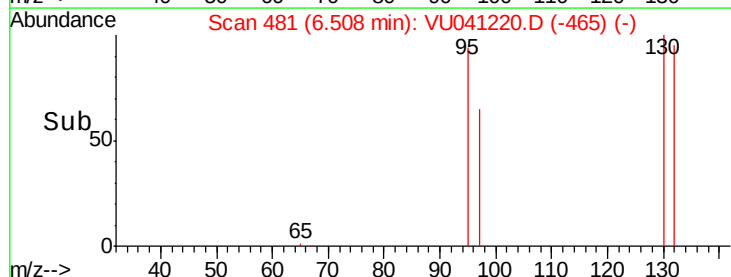
1500

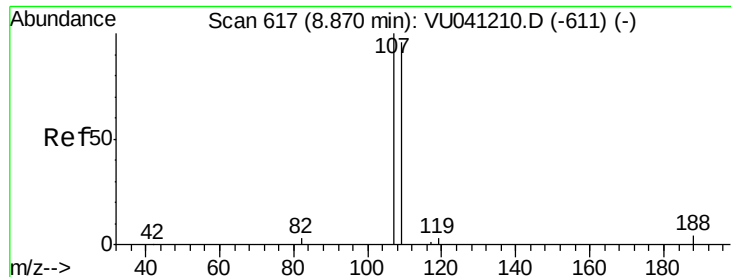
1000

500

0

Time-->





#9

1,2-Dibromoethane

Concen: 0.574 ug/L

RT: 8.87 min Scan# 617

Delta R.T. -0.00 min

Lab File: VU041220.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTD0.5209

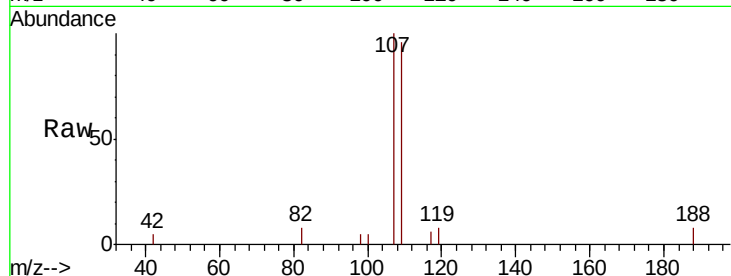
Tot Ion:107 Resp: 2982

Ion Ratio Lower Upper

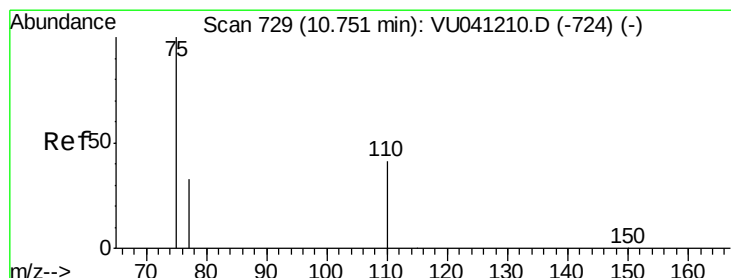
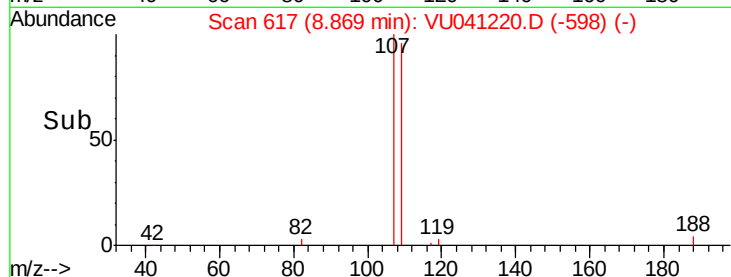
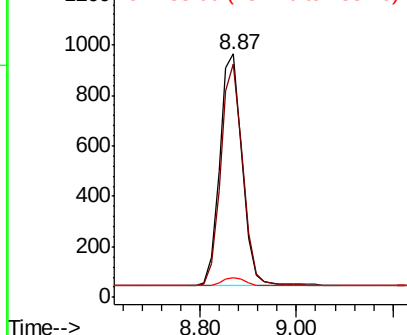
107 100

109 96.1 67.7 125.7

188 8.3 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: 0.556 ug/L

RT: 10.73 min Scan# 728

Delta R.T. -0.02 min

Lab File: VU041220.D

Acq: 13 Nov 2020 09:23

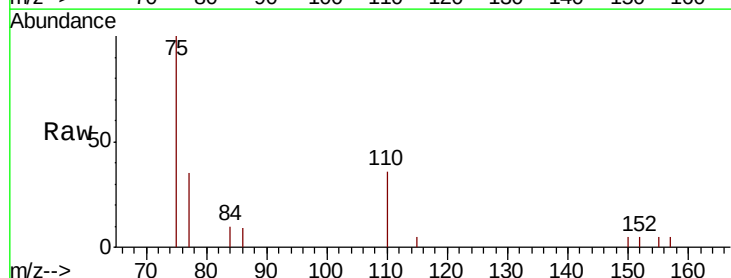
Tgt Ion: 75 Resp: 3176

Ion Ratio Lower Upper

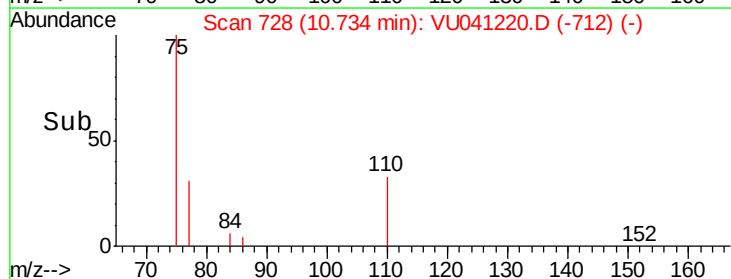
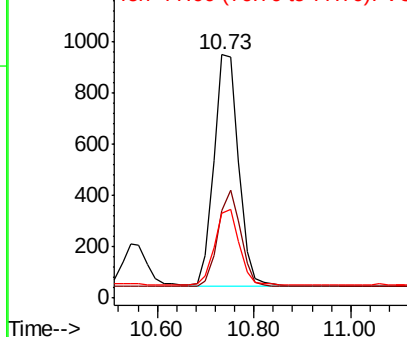
75 100

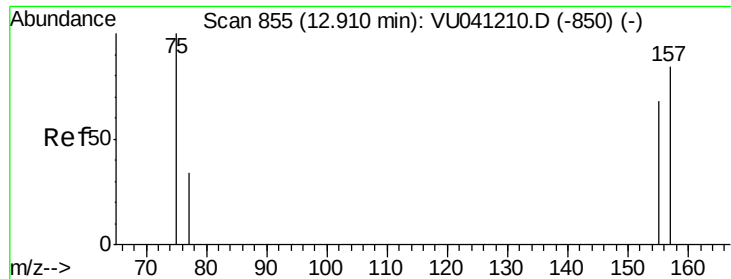
110 38.3 31.0 46.4

77 32.0 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: 0.608 ug/L

RT: 12.91 min Scan# 855

Delta R.T. -0.00 min

Lab File: VU041220.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTD0.5209

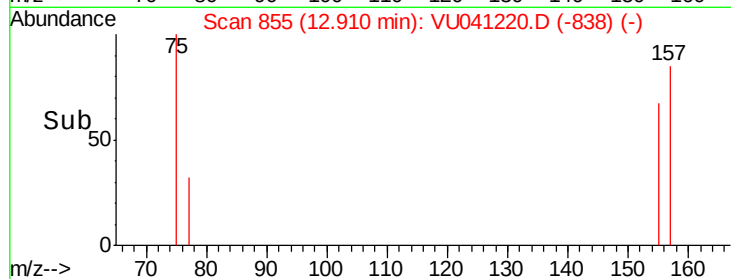
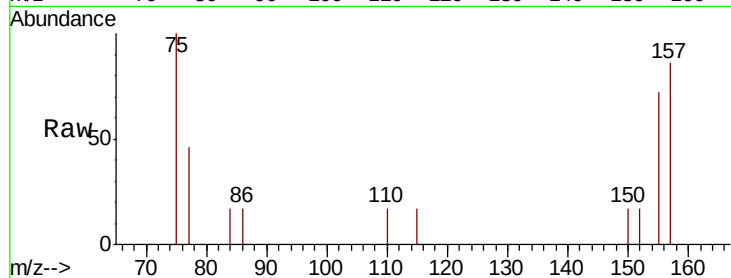
Tot Ion: 75 Resp: 735

Ion Ratio Lower Upper

75 100

157 85.8 68.7 103.1

155 72.0 58.9 88.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

