

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080719\
 Data File : VU033620.D
 Acq On : 07 Aug 2019 16:31
 Operator : JC/SP
 Sample : K4202-03 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B03

Quant Time: Aug 08 03:55:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 08 03:14:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	312389	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	312534	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	141775	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	96150	48.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.32%
7) Chloroethane-d5	1.67	69	97627	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.74%
11) 1,1-Dichloroethene-d2	2.26	63	125973	32.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.18%
21) 2-Butanone-d5	4.16	46	184277	113.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.94%
24) Chloroform-d	4.62	84	184761	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.24%
26) 1,2-Dichloroethane-d4	5.29	65	123873	51.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.38%
32) Benzene-d6	5.32	84	354767	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.82%
36) 1,2-Dichloropropane-d6	6.31	67	121666	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.48%
41) Toluene-d8	7.55	98	302062	42.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.94%
43) trans-1,3-Dichloropropene-	7.83	79	53817	44.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.46%
47) 2-Hexanone-d5	8.30	63	123218	103.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.00%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	196768	52.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.12%
64) 1,2-Dichlorobenzene-d4	11.85	152	134803	52.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.90%

Target Compounds

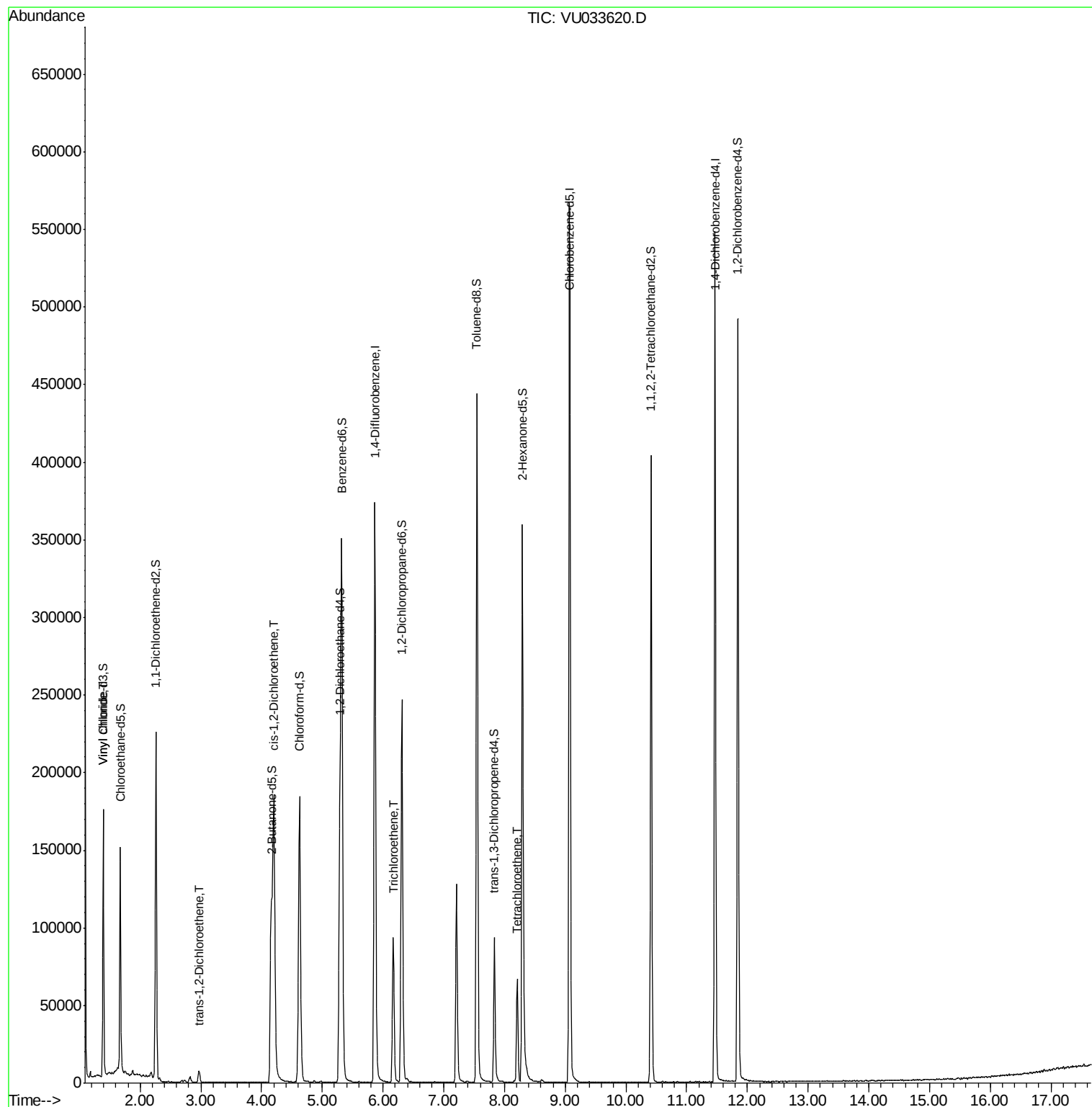
					Ovalue
5) Vinyl chloride	1.40	62	24304	7.672 ug/L	91
17) trans-1,2-Dichloroethene	2.97	96	2828	1.299 ug/L	94
20) cis-1,2-Dichloroethene	4.20	96	95159	39.634 ug/L	96
34) Trichloroethene	6.17	95	31972	13.342 ug/L	96
46) Tetrachloroethene	8.21	164	15277	7.770 ug/L	98

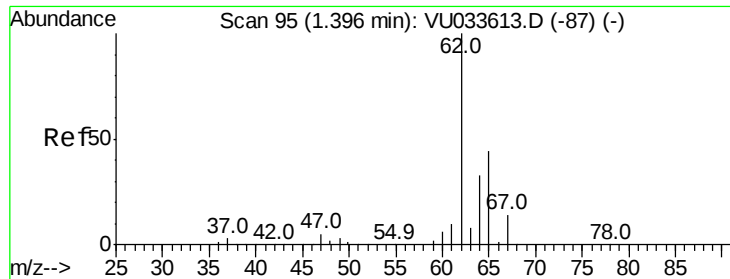
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 7.672 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033620.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_U

ClientSampleId :

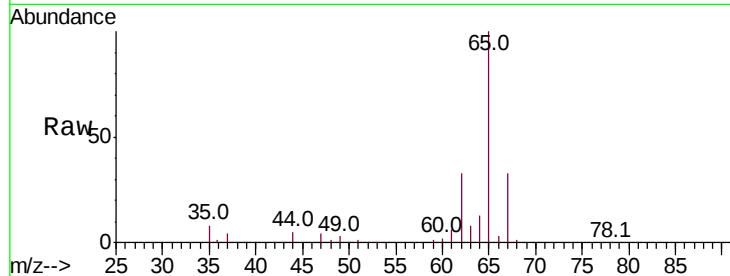
F2B03

Tot Ion: 62 Resp: 24304

Ion Ratio Lower Upper

62 100

64 39.0 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU033613.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033613.D (-87) (-)

1.40

25000

20000

15000

10000

5000

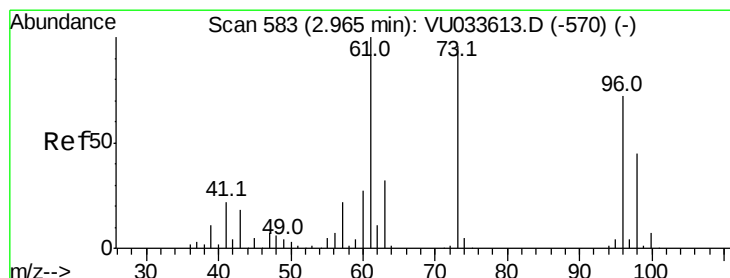
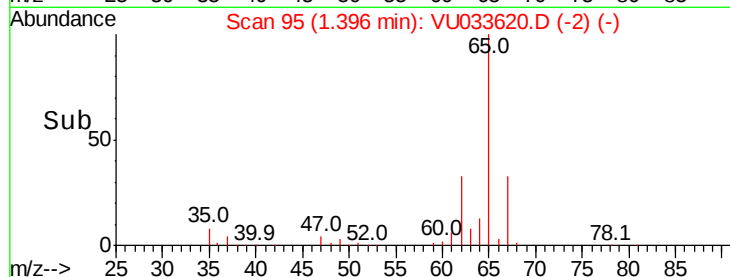
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Time-->

1.35

1.40

1.45



#17

trans-1,2-Dichloroethene

Concen: 1.299 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU033620.D

Acq: 07 Aug 2019 16:31

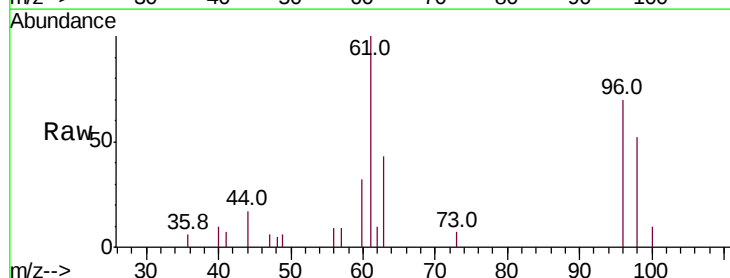
Tgt Ion: 96 Resp: 2828

Ion Ratio Lower Upper

96 100

61 143.7 98.8 183.4

98 74.7 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU033613.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033613.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033613.D (-570) (-)

2500

2000

1500

1000

500

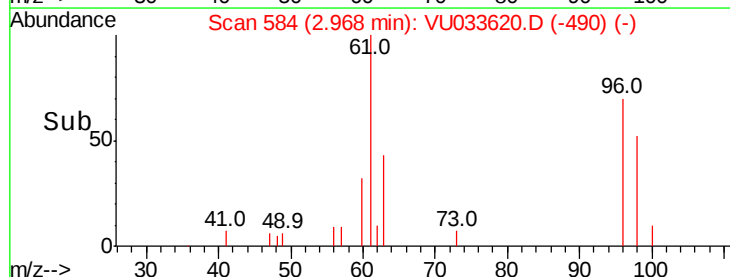
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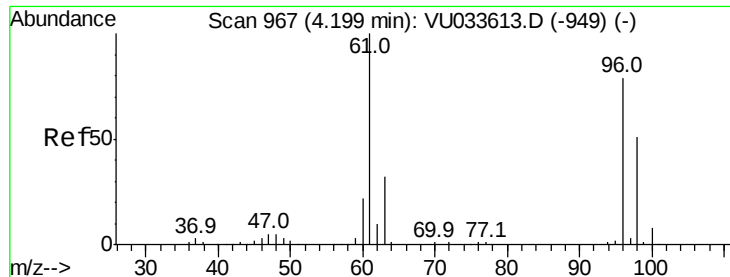
Time-->

2.95

2.97

3.00

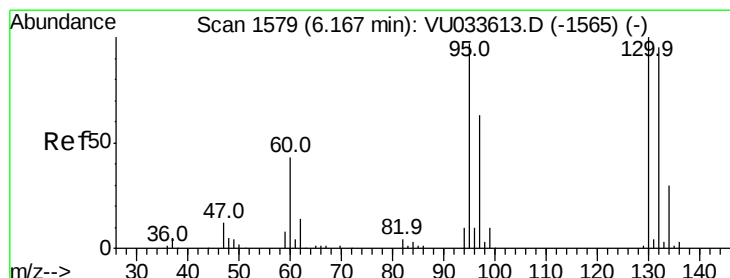
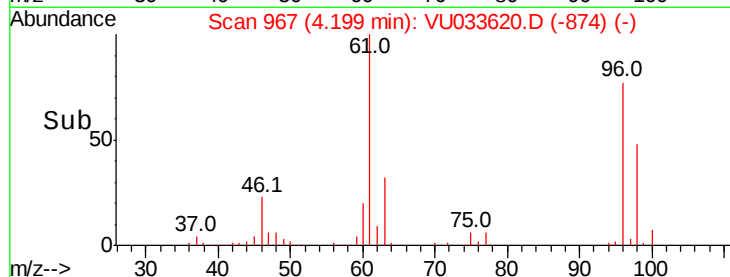
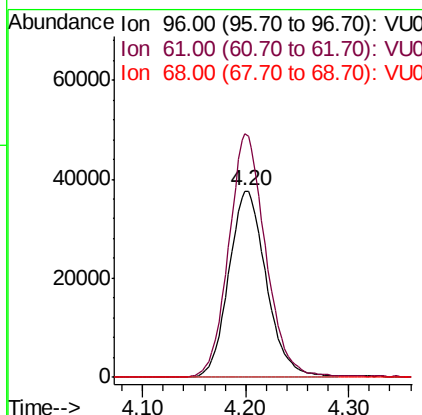
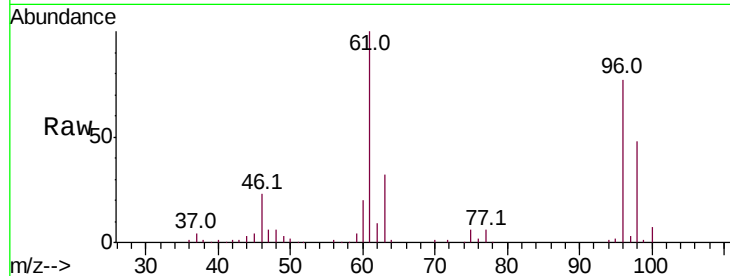




#20
 cis-1,2-Dichloroethene
 Concen: 39.634 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033620.D
 Acq: 07 Aug 2019 16:31

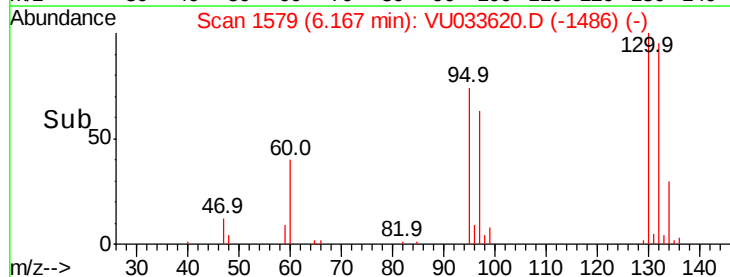
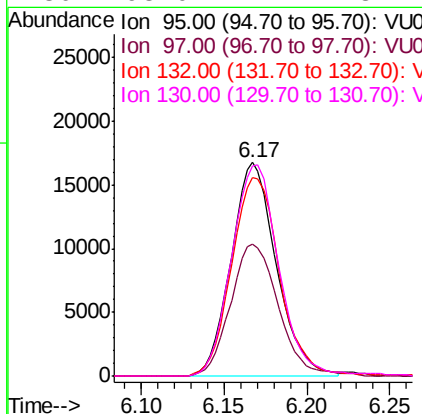
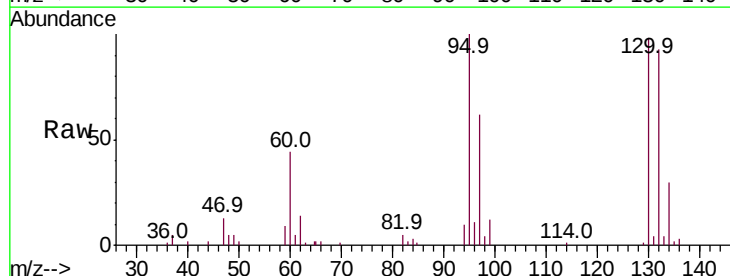
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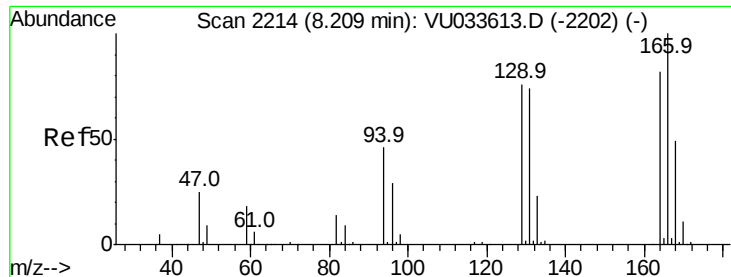
Tot Ion: 96 Resp: 95159
 Ion Ratio Lower Upper
 96 100
 61 130.6 88.2 163.8
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 13.342 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033620.D
 Acq: 07 Aug 2019 16:31

Tgt Ion: 95 Resp: 31972
 Ion Ratio Lower Upper
 95 100
 97 61.6 43.8 81.4
 132 93.1 68.6 127.4
 130 98.0 72.2 134.2





#46

Tetrachloroethene

Concen: 7.770 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033620.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_U

ClientSampleId :

F2B03

Tot Ion:164 Resp: 15277

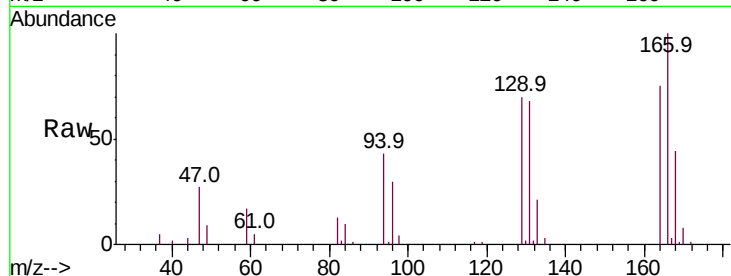
Ion Ratio Lower Upper

164 100

129 93.0 64.1 119.1

131 90.0 62.9 116.7

166 132.9 90.5 168.1



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

