

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092920\
 Data File : VU040381.D
 Acq On : 30 Sep 2020 00:21
 Operator : SY/MD
 Sample : L4186-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F3

Quant Time: Sep 30 03:54:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 02:48:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	123064	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	126409	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54880	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29821	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.92	69	26629	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.58	63	45154	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	4.65	46	151631	50.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.20%
24) Chloroform-d	5.08	84	69257	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.72	65	43982	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.74	84	120606	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.70	67	45386	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.91	98	95161	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	8.19	79	15752	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.64	63	104691	46.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.82%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	43762	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	45558	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

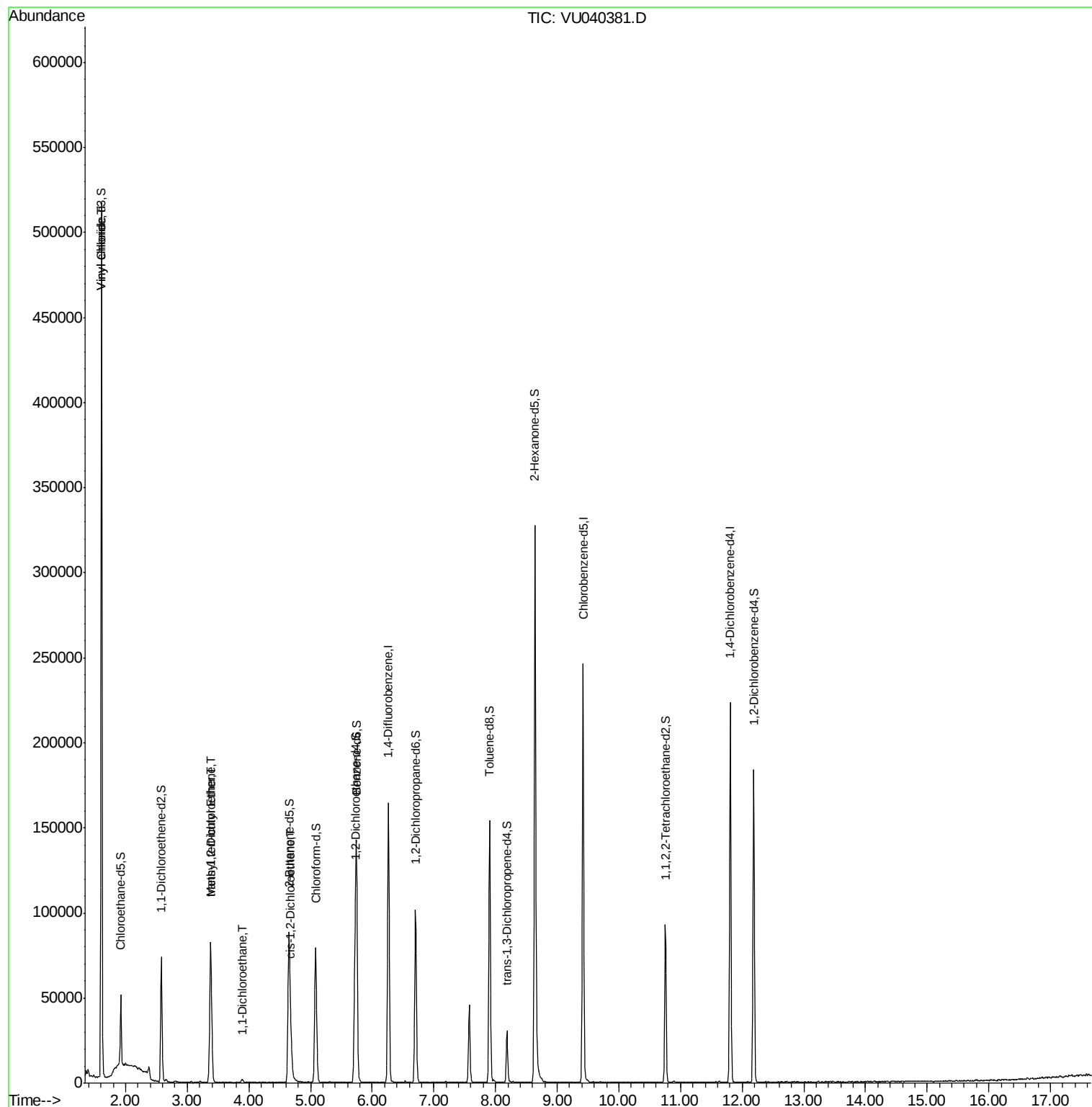
					Ovalue
5) Vinyl chloride	1.61	62	308041	25.895	ug/L 99
17) Methyl tert-butyl Ether	3.38	73	76746	2.972	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	2803	0.289	ug/L 95
19) 1,1-Dichloroethane	3.89	63	2407	0.121	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	2969	0.277	ug/L 75

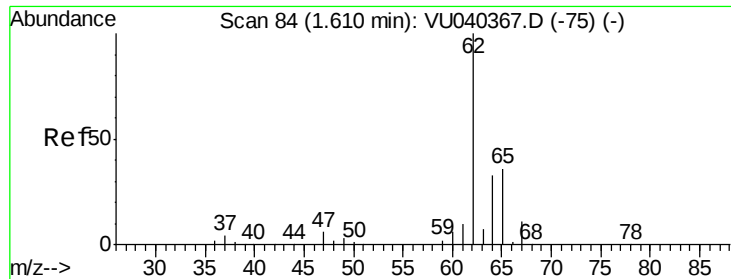
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 25.895 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

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Acq: 30 Sep 2020 00:21

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MSVOA_U

ClientSampleId :

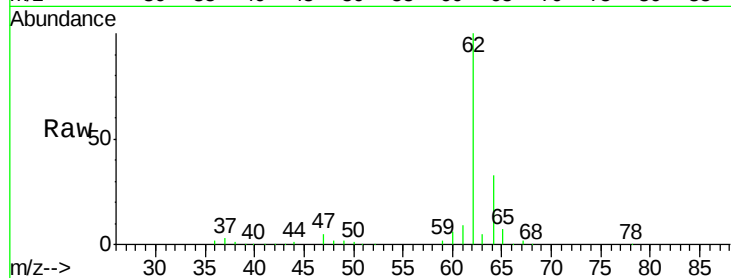
BG0F3

Tot Ion: 62 Resp: 308041

Ion Ratio Lower Upper

62 100

64 32.6 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

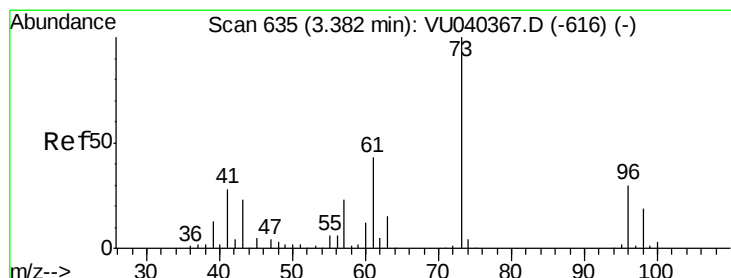
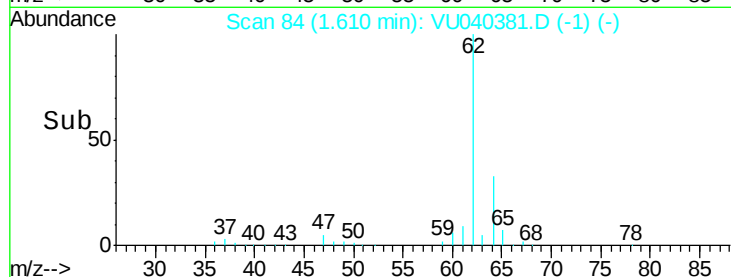
300000

200000

100000

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 2.972 ug/L

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

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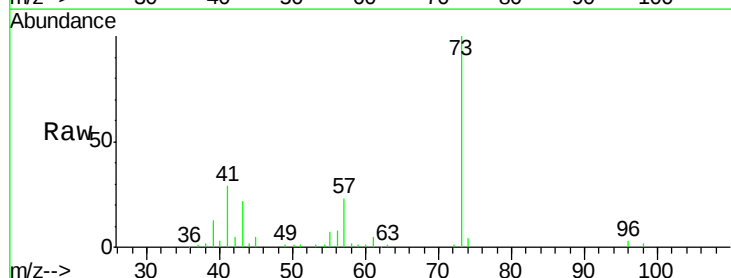
Tgt Ion: 73 Resp: 76746

Ion Ratio Lower Upper

73 100

43 22.8 19.0 28.4

57 23.0 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

3.38

40000

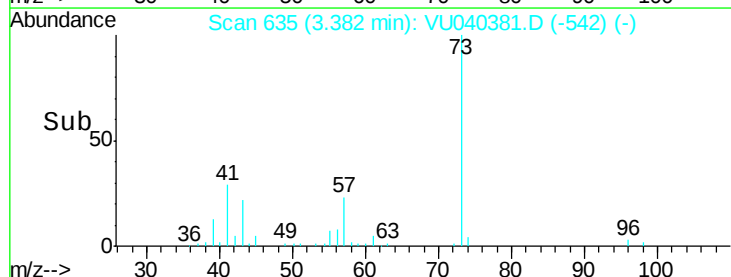
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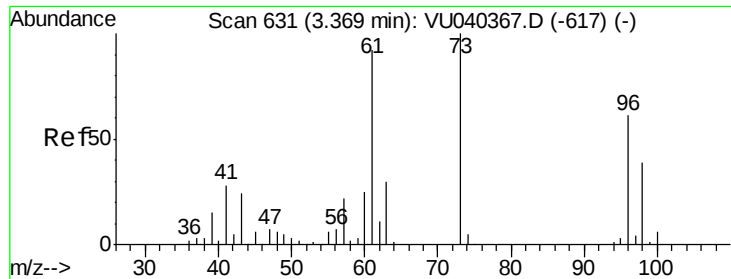
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10000

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Time-->

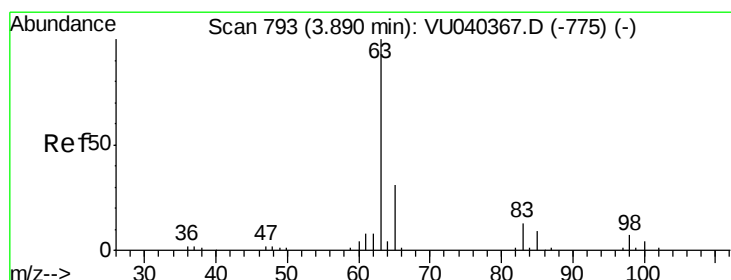
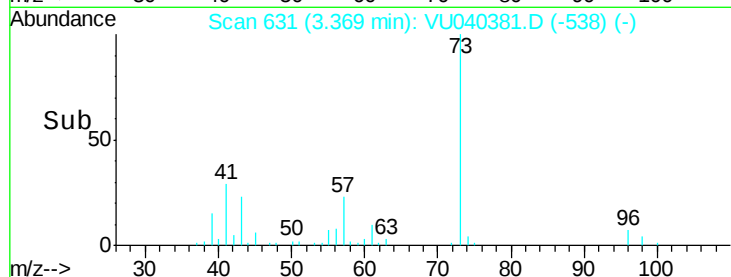
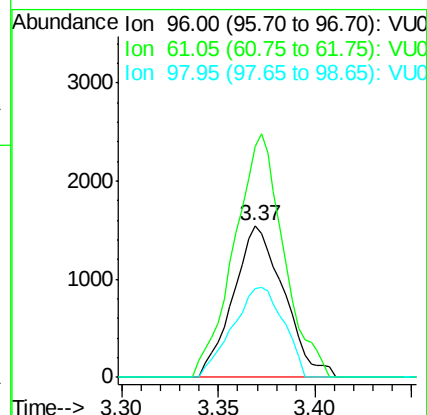
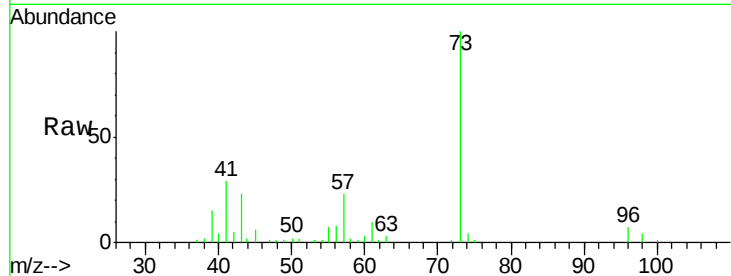




#18
trans-1,2-Dichloroethene
Concen: 0.289 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040381.D
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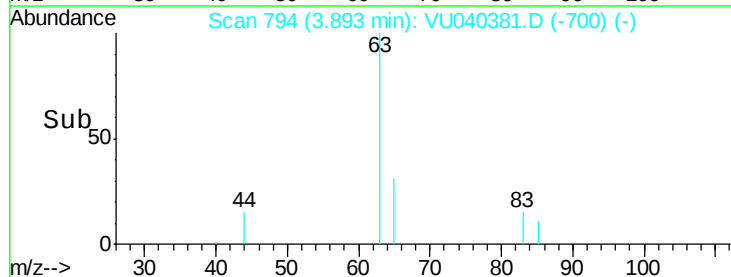
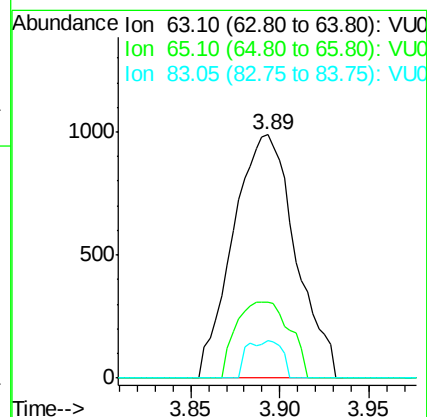
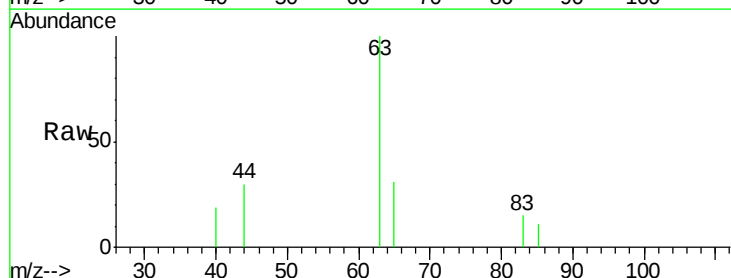
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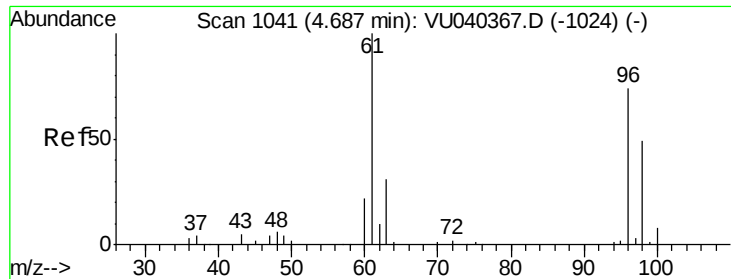
Tot Ion: 96 Resp: 2803
Ion Ratio Lower Upper
96 100
61 152.3 109.3 203.1
98 58.4 45.8 85.0



#19
1,1-Dichloroethane
Concen: 0.121 ug/L
RT: 3.89 min Scan# 794
Delta R.T. 0.00 min
Lab File: VU040381.D
Acq: 30 Sep 2020 00:21

Tgt Ion: 63 Resp: 2407
Ion Ratio Lower Upper
63 100
65 31.3 21.7 40.3
83 15.3 9.1 16.9

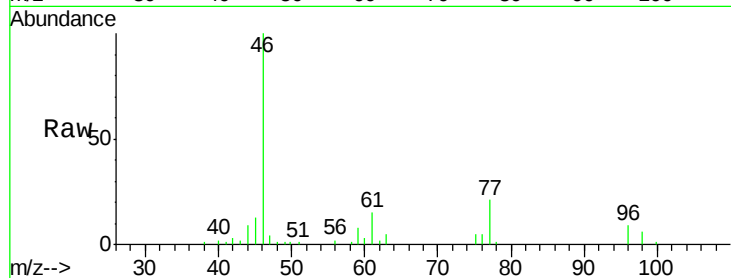




#22
 cis-1,2-Dichloroethene
 Concen: 0.277 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040381.D
 Acq: 30 Sep 2020 00:21

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F3

Tot Ion: 96 Resp: 2969
 Ion Ratio Lower Upper
 96 100
 61 172.4 99.3 184.5
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

