

SERVICE REPORT

Job Number:	SE0743			Quote:-----	Sage:-----
Customer:	Centre Scientifique de Monaco				
Contact:	Mr Renaud Grover				
Instrument:	Integra 2				
Date of Visit:	23-25.6.2026			Days:	3
Engineer:	Robert Kamený				
Reason for Visit:					
Service Visit					
Service Contract?	Yes / No	Expires:	31.1.2027		
Warranty?	Yes / No	Expires:	N/A		
Tick as Applicable:	☒ Call Out / ☐ Routine Service / ☐ Warranty / ☐ Emergency / ☐ Contract Visit				
Details of Visit:					

SERVICE REPORT

Service June 2026

23.6.26

Pre-service specs: N/A

Customer requested re-installation of the software onto the new PC

Software successfully uploaded, correct function verified

Service actions: filament, rotary oil replaced

New filament conditioned around $2\text{e-}07\text{mBar}$, left unit pumping down overnight

24.6.26

Vacuum after pumping overnight $1\text{e-}08\text{mBar}$

Post Service Specs

N2 mode: good peak shape, 2/1:0.0071, m/z 28= $1.21\text{e-}08$

Source parameters: HT3708,HP(-10),Focus88,Trap600,eV(-86),Ir(-7.0),Emissions1465uA

CO2 mode: good peak shape, 2/1:0.011, m/z 44= $1.67\text{e-}08$

Source parameters: HT2383,HP10,Focus88,Trap150,eV(-85),Ir(-5.0),Emissions435uA

Achieved: 400/100 beet mix @5ul n=5, 15N:0.07‰std, 13c:0.18‰std

250/100 beet mix @1-10ul,n=6: 15N:0.29‰std, 13c:0.48‰std

25.6.26

Final inspection of the tuning and specs:

Attempted re-positioning the magnet

N2 mode: good peak shape, 2/1:0.0071, m/z 28= $1.21\text{e-}08$

Source parameters: HT3701,HP(-20),Focus87,Trap600,eV(-80),Ir(-8.0),Emissions1524uA

CO2 mode: good peak shape, 2/1:0.011, m/z 44= $1.67\text{e-}08$

Source parameters: HT2383,HP25,Focus88,Trap150,eV(-85),Ir(-5.0),Emissions432uA

Achieved: 400/100 beet mix @5ul n=5, 15N:0.01‰std, 13c:0.07‰std

250/100 beet mix @1-10ul,n=6: 15N:0.21‰std, 13c:0.49‰std

Att. autosampler has a tendency to seize in mid run on intermittent bases

Unit released back to service on 25.6.2026

Recommendations:

- Consider upgrade of the autosampler

SERVICE REPORT

Follow Up:

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<i>Parts Used:</i>	<i>Stock Number:</i>	<i>Quantity:</i>	<i>Charge:</i>
Service kit		1	
Total:			n/a

Engineer: Robert Kamený

Date: 30.06.2026

Signed:



Customer

Date:

Signed:

SERVICE REPORT

NOTES: