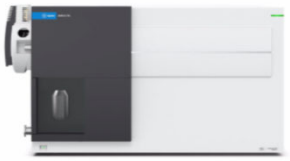
Shutdown Procedure for all Single Quads and Triple Quads



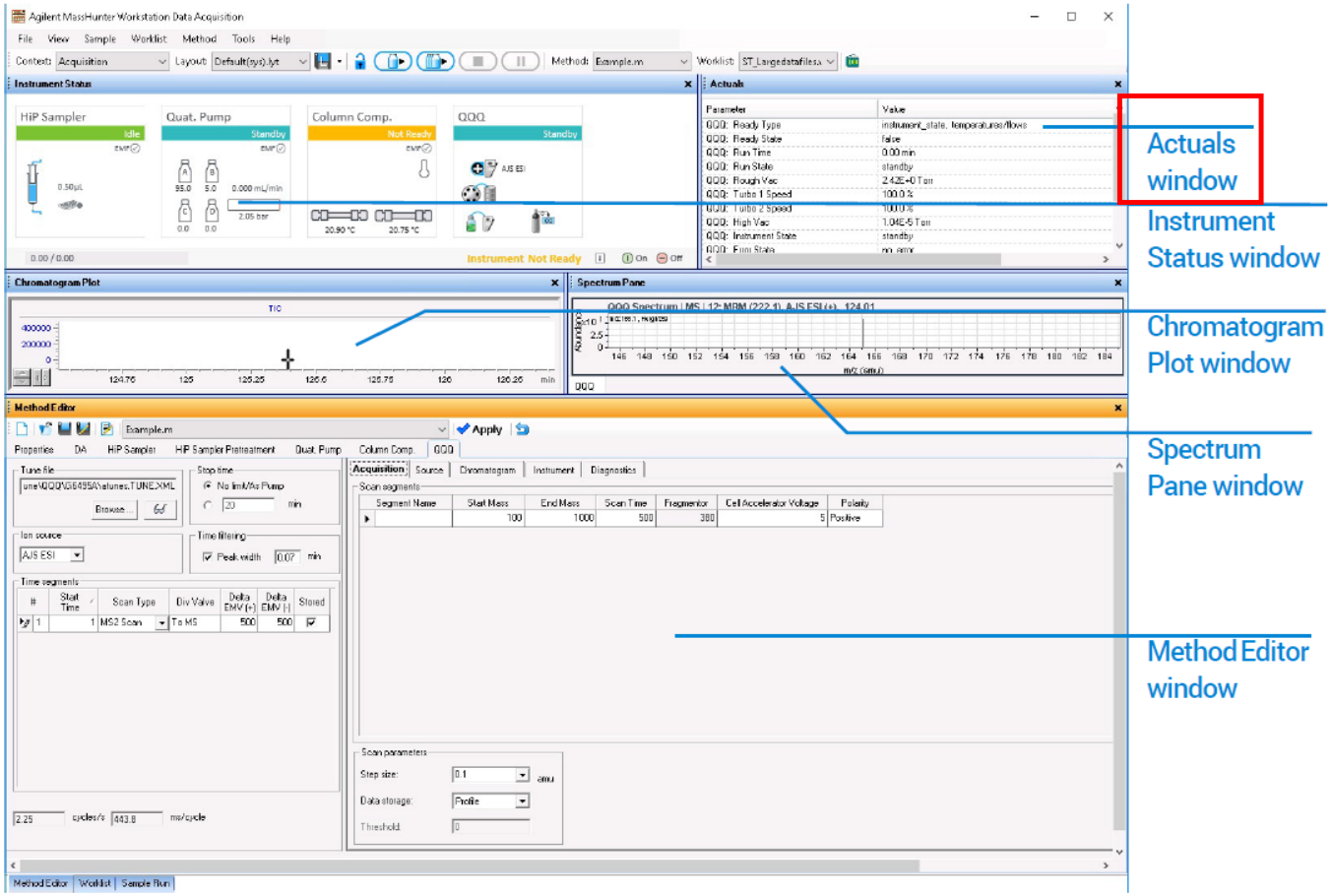
Agilent
Trusted Answers

Quick Shutdown of TQ & SQ running MassHunter or CS OpenLAB

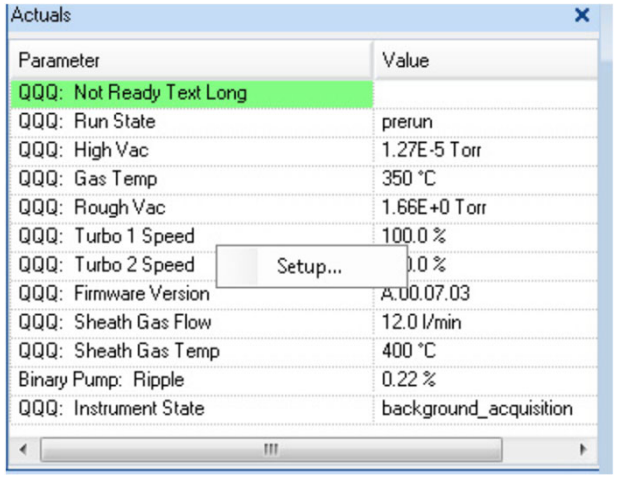
Quick Shutdown (active time 3 min, total time 25 min)

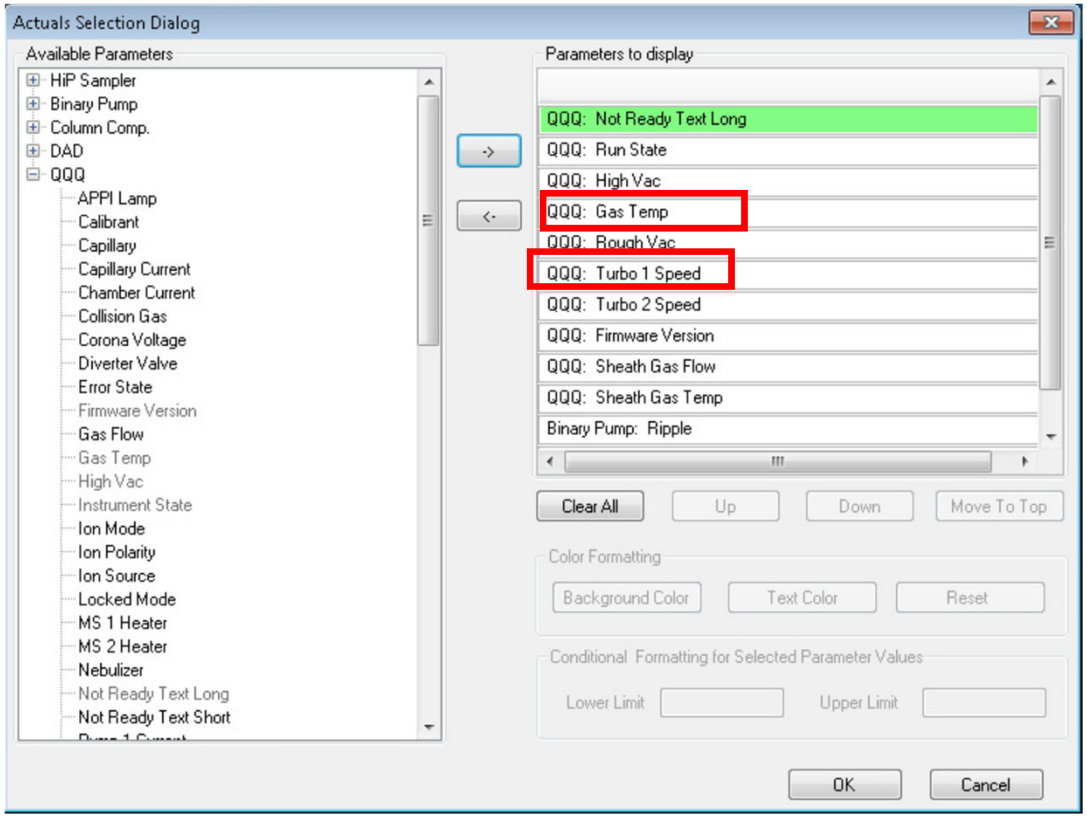
- ✓ Click off
- ✓ Close ballast valve (if you have an Edwards rough pump)
- ✓ Click Vent
- ✓ Wait 20min
- ✓ Verify turbo speeds
- ✓ Turn off MS and LC modules
- ✓ Close gas supply lines to MS
- ✓ Unplug the MS power cord

Shutdown Procedure

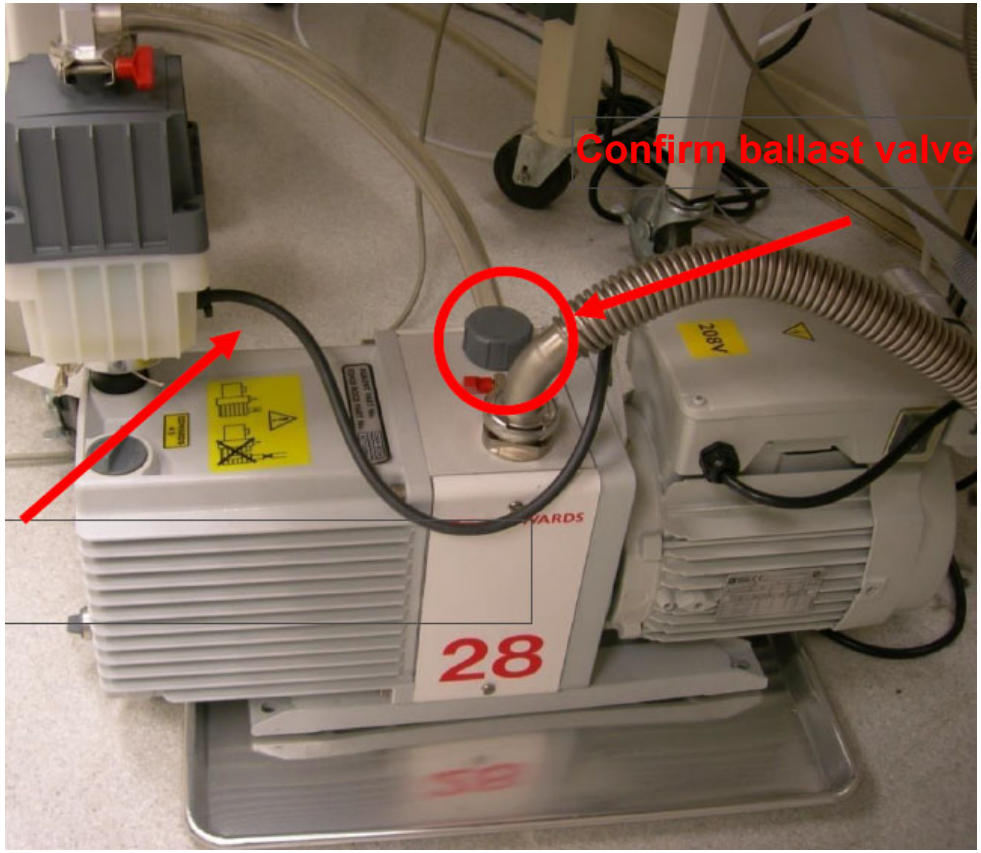


Adding Vacuum parameters to Actuals panel



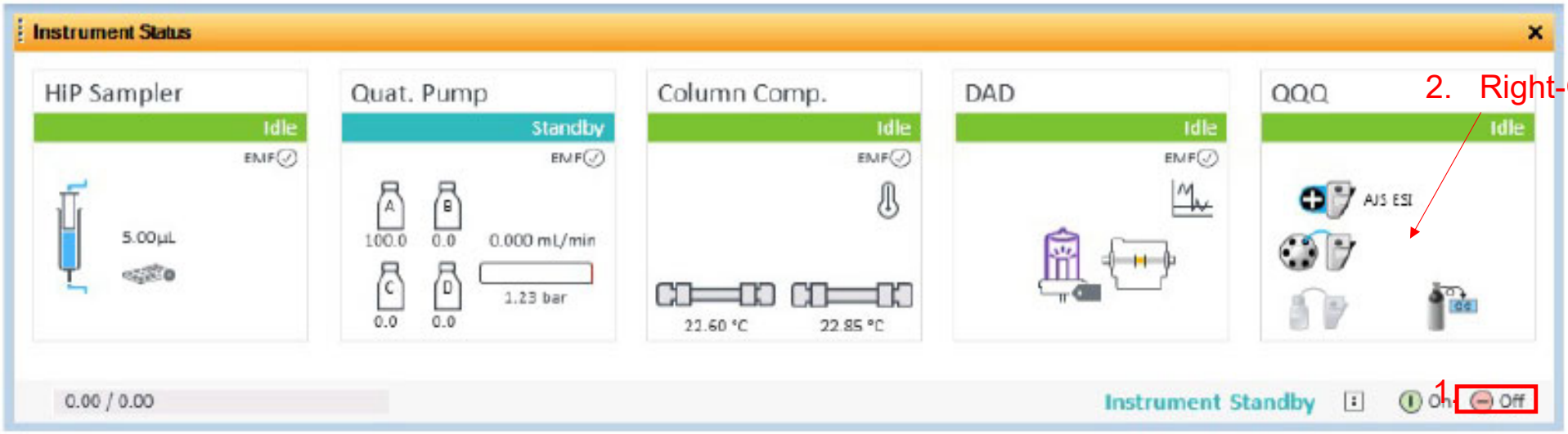


Close Ballast valve (if you have an Edwards rough pump)

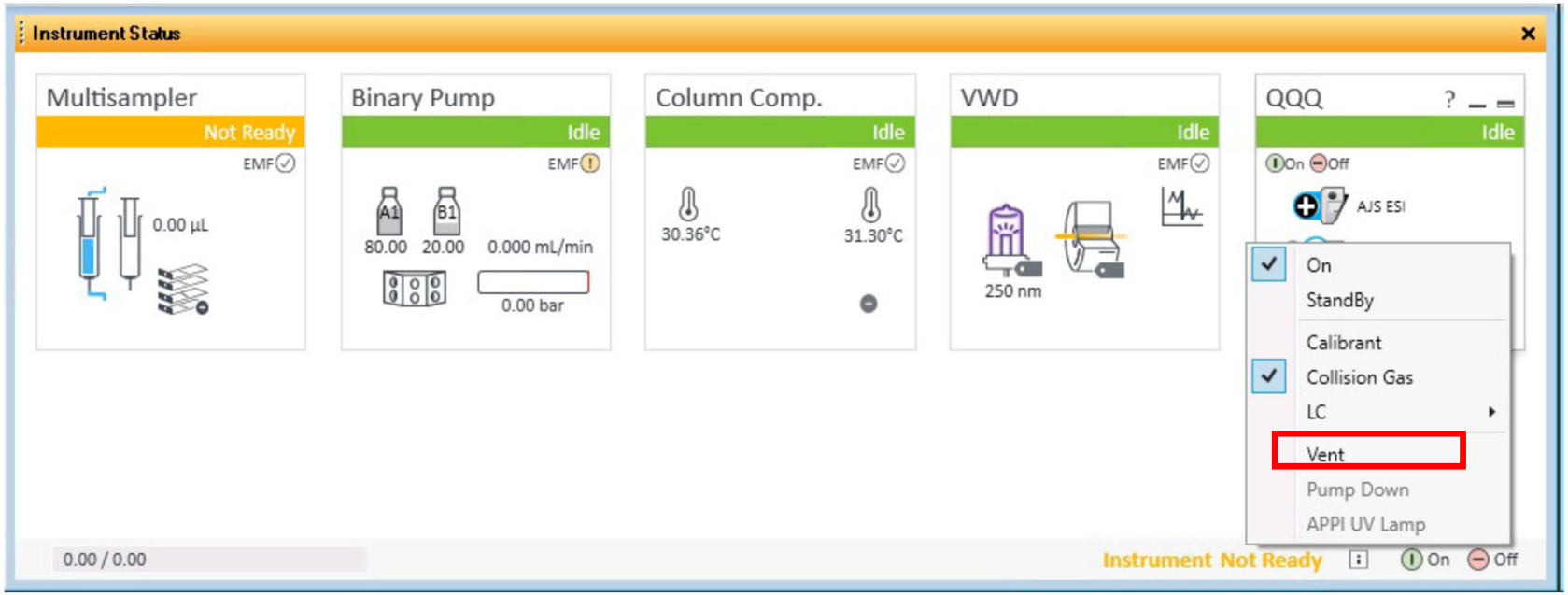


MS40 pump (internally ballasted)

Click Off, Right click on QQQ



Click Vent


Instrument Status
Multisampler
Not Ready
EMF
0.00 µL
Binary Pump
Idle
EMF
A1
B1
80.00
20.00
0.000 mL/min
0.00 bar
Column Comp.
Idle
EMF
30.36°C
31.30°C
VWD
Idle
EMF
250 nm
QQQ
Idle
On
Off
AJS ESI
On
StandBy
Calibrant
Collision Gas
LC
Vent
Pump Down
APPI UV Lamp
0.00 / 0.00
Instrument Not Ready
On
Off

Wait 20 minutes– Verify venting

Actuals

Parameter	Value
QQQ: Not Ready Text Long	
QQQ: Run State	prerun
QQQ: High Vac	1.27E-5 Torr
QQQ: Gas Temp	350 °C
QQQ: Rough Vac	1.66E+0 Torr
QQQ: Turbo 1 Speed	100.0 %
QQQ: Turbo 2 Speed	0.0 %
QQQ: Firmware Version	A.00.07.03
QQQ: Sheath Gas Flow	12.0 l/min
QQQ: Sheath Gas Temp	400 °C
Binary Pump: Ripple	0.22 %
QQQ: Instrument State	background_acquisition

Setup...

Rough Pump will turn off when Turbo 1 Speed is < 10%.

Turn off power after venting

1. Turn off Power Switch first

2. Turn off Pump Expander box*

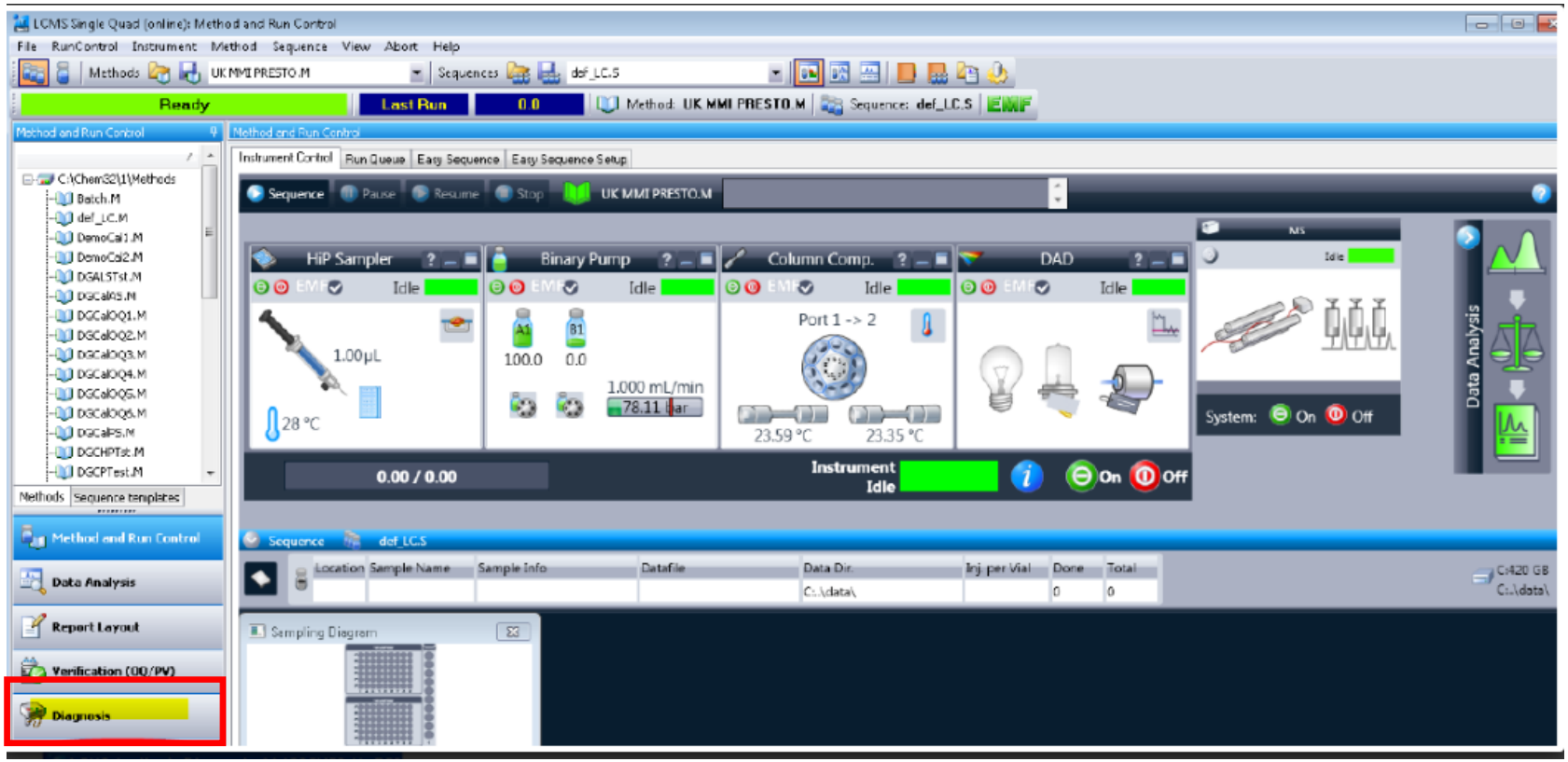
Installed on: 6420, 6460C, 6470, 6490, 6495

Quick Shutdown of SQ ChemStation Edition

Quick Shutdown (active time 3 min, total time 25 min)

- ✓ Click off
- ✓ Close ballast valve (if you have an Edwards rough pump)
- ✓ Click Diagnosis Tab
- ✓ Click Maintenance Tab
- ✓ Click Vent MSD (follow steps on the screen)
- ✓ Turn off MS and LC modules
- ✓ Close gas supply lines to MS
- ✓ Unplug the MS power cord

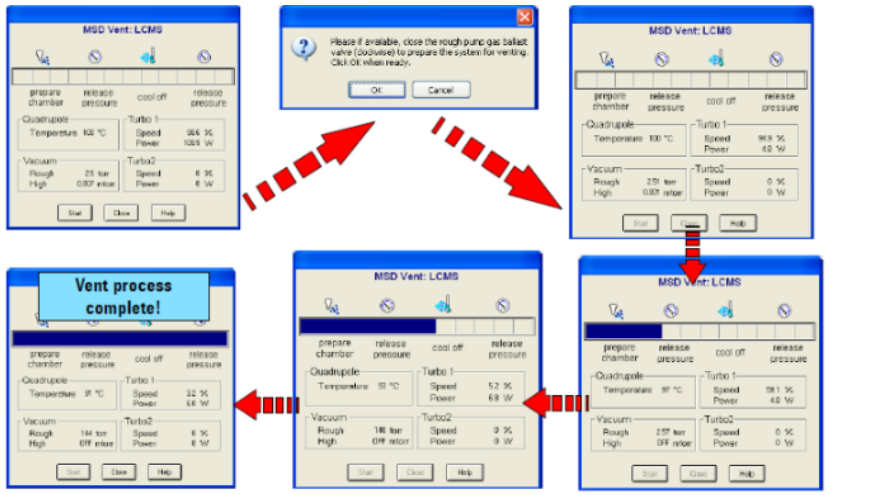
Vent- Diagnosis Menu- ChemStation



Vent- Maintenance tab

Vent

Vent


MSD Vent: LCMS
Please if available, close the rough pump gas ballast valve (clockwise) to prepare the system for venting. Click OK when ready.
OK
Cancel
MSD Vent: LCMS
MSD Vent: LCMS
MSD Vent: LCMS
Vent process complete!