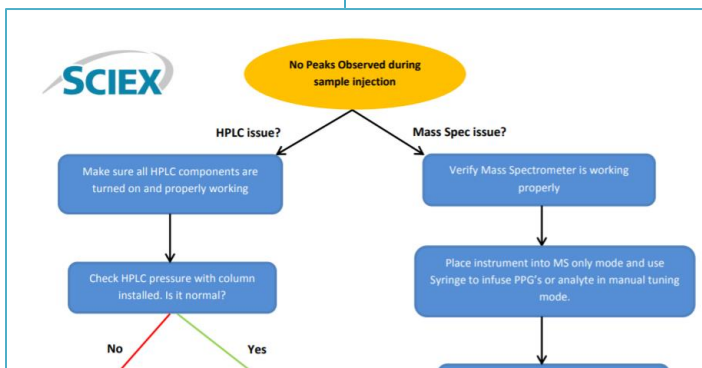




## SCIEXUniversity Samples Snapshots

Each course at SCIEXUniversity is a unique experience. Below you will find a few samples of the learning tools you may encounter while taking a course. You will notice some great reference materials that you will be able to keep for years to come.

### Troubleshooting Tree



### Lab Exercise

#### Instrument Maintenance

**Objective:** To become familiar with the maintenance routines and procedures.

This document is a summary of the steps needed to vent, clean and bring the mass spectrometer back on line as demonstrated during training class given by a SCIEX representative. This document is not meant to take the place of training. If you have not attended the training course at SCIEX, please defer to your SCIEX service representative for instrument venting and cleaning.

- 1. Computer Maintenance**
  - Empty the Turing Cache and Temp Directory.
  - Delete .tmp files and Temporary Internet Files (if applicable).
  - Defragment hard drive.
  - Run virus scans.
  - Archive the API Instrument, Default, and any additional projects as desired.
- 2. Cleaning Preparation**
  - The following materials should be obtained:
    - Lint free wiping cloths (i.e. Kim Wipes) in large and small sizes
    - Foam clean room swabs (organic resistant)
    - Methanol-LC grade; preferably LCMS grade
    - DI water-highest quality
    - Gloves – powder free latex or Nitrile

### Reference Cards

	<b>Replacing Pump Oil</b>	SCIEX Triple Quad™ and QTRAP® Systems
If you are replacing the pump oil, drain the used oil first. Drain the pump oil when the pump is warm.		
	Shut down the system and disconnect the AC mains supply cables of the mass spectrometer and roughing pump from the AC main supply	
	Put the oil collection container underneath the oil drain plug	
	Use a 10mm hex key to loosen the oil drain plug, and slowly remove the oil drain plug	
	Wait while the pump oil drains into the container, and	

	<b>Quick Reference Guide</b>	Module Front End Cleaning
<b>Full Cleaning – Q0 Region</b>		
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