

**Agilent B.04.02 and  
B.04.02 SP1  
GC ChemStation**

**Quick Reference Guide**



**Agilent Technologies**

## Notices

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### Software Revision

This guide is valid for A.01.xx revisions of the Agilent B.04.02 and B.04.02 SP1 GC ChemStation software, where xx refers to minor revisions of the software that do not affect the technical accuracy of this guide.

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#### CAUTION

A **CAUTION** notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a **CAUTION** notice until the indicated conditions are fully understood and met.

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#### WARNING

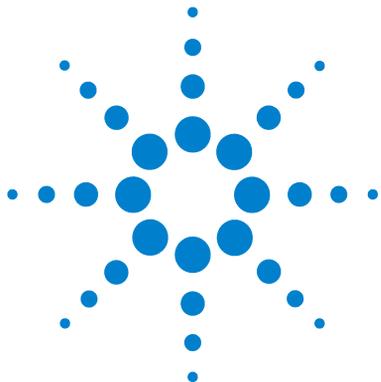
A **WARNING** notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in personal injury or death. Do not proceed beyond a **WARNING** notice until the indicated conditions are fully understood and met.

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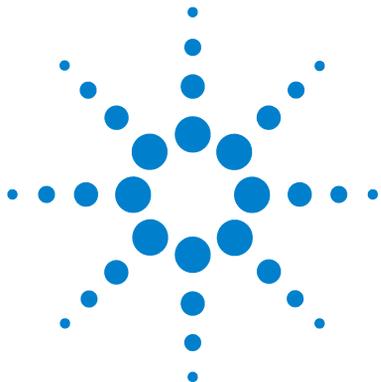
This chapter lists PC requirements for the Agilent Technologies ChemStation.



## PC Requirements

**Minimum** hardware requirements for your Agilent Technologies ChemStation software (version B.04.02 and B.04.02 SP1) are:

- A personal computer with an Intel Pentium IV processor (1.5 GHz for Microsoft Windows XP Professional) (3.4 GHz [single core] for Microsoft Windows Vista)
- 1280 × 1024 Super VGA resolution display, 16k colors or better
- 40 GB hard disk (Microsoft Windows XP Professional), 160 GB hard disk (Microsoft Windows Vista)
- DVD drive
- 512 MB RAM (Microsoft Windows XP Professional), 1 GB (Microsoft Windows Vista)
- Removable media DVD drive
- Pointing device compatible with Microsoft Windows
- A Microsoft Windows XP Professional (Service Pack 3), Microsoft Windows Vista (Service Pack 1 for B.04.02), or Microsoft Windows Vista (Service Pack 2 for B.04.02 SP1) operating environment.
- Microsoft .NET Framework 3.5 SP1
- TCP/IP protocol support installed if you are using LAN communications.
- For GPIB communications use either the 82357B USB GPIB adapter or the 82350B PCI GPIB card, and the I/O Library Suite 15.0. Refer to the Manuals directory of the ChemStation DVD for Agilent I/O Library Suite installation instructions.
- Operating system compatible printer:  
For the English ChemStation use a printer with PCL 5c, 5e, 5.02, or 6.  
For the Japanese ChemStation use Canon LBP-430, 450-470, 1310, or 3410.  
For the Chinese ChemStation use a printer with PCL 6.



## 2 Install the Agilent ChemStation

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This chapter explains how to:

- Set up your PC to install the new Agilent ChemStation software
- Install the Agilent ChemStation for the first time
- Add an instrument license to an existing Agilent ChemStation



## Before You Begin

Before installing your Agilent ChemStation software, configure your PC as follows:

- 1 Keep your PC disconnected from the Internet during the installation phase. (We recommend that you install the latest security fixes, as supported by Agilent, and install virus definitions before connecting to any network.)
- 2 Verify that your PC meets the minimum PC requirements on [page 6](#).
- 3 Set up your instrument communications.
- 4 Log on to your PC with Windows administrator privileges.
- 5 Set the Regional Options and Language Options in the Control Panel of your System to English (US). If you use another language, the following settings are mandatory:
  - Decimal symbol = . (point)
  - Digit grouping symbol = , (comma)
  - List separator = , (comma)
- 6 Disable the advanced power management settings on your computer, such as system standby and system hibernation.

For more details on optimizing operations using Windows XP or Windows Vista, follow the instructions outlined in the document *Configure and Maintain Your ChemStation Computer*, which is available on the Agilent ChemStation DVD. That document describes required system settings for the best Agilent ChemStation performance.

## Installation Procedures

Refer to the following, based on the type of installation you are to perform:

- Initial installation of Agilent ChemStation on [page 9](#).
- To upgrade an existing installation of Agilent ChemStation refer to the *Agilent ChemStation Upgrade Quick Reference Guide* and the *Agilent ChemStation Upgrade Preparation Guide*.
- After you install or upgrade your Agilent ChemStation, to add instruments to your Agilent ChemStation see [page 17](#).

### Initial installation

For an initial installation of Agilent ChemStation software:

- 1 Verify that all the steps defined in [Before You Begin](#) on page 8 have been completed.
- 2 Verify that no programs are open on your system.
- 3 Insert the Agilent ChemStation software DVD into the DVD drive.
- 4 Select **Run** from the Start menu.
- 5 Type **drive:\Setup.exe** (for example, **E:\Setup.exe**) at the command line, then click **OK**. The Install Wizard starts.
- 6 Accept the prompts displayed by the **InstallShield Wizard** screens during the first part of the installation

#### NOTE

novaPDF Professional Server v5.4 is installed to output reports in PDF format.

- 7 The PDF-XChange printer will be visible in the Printers folder (**Start Menu > Settings > Printers and Faxes**) after the computer is restarted. When ChemStation is running, a temporary printer is created called "ChemStation PDF", based on the PDF-XChange printer. **ChemStation PDF** is listed

in the Printers folder while the ChemStation session is running.

- 8 If Microsoft .NET Framework 3.5 SP1 is not installed on your computer, you will be prompted to install it now. Installation of .NET 3.5 SP1 may require a reboot of the computer.
- 9 Select the default destination folder for installation of ChemStation (**C:\Chem32**), or select a new location using the **Change...** button. Navigate and create new folders (optional) to select the destination for ChemStation. Confirm the location by pressing **Next**. Press **Install** to proceed with the installation.

### NOTE

It is recommended that you use default directory C:\Chem32 when prompted to specify the Agilent ChemStation installation directory.

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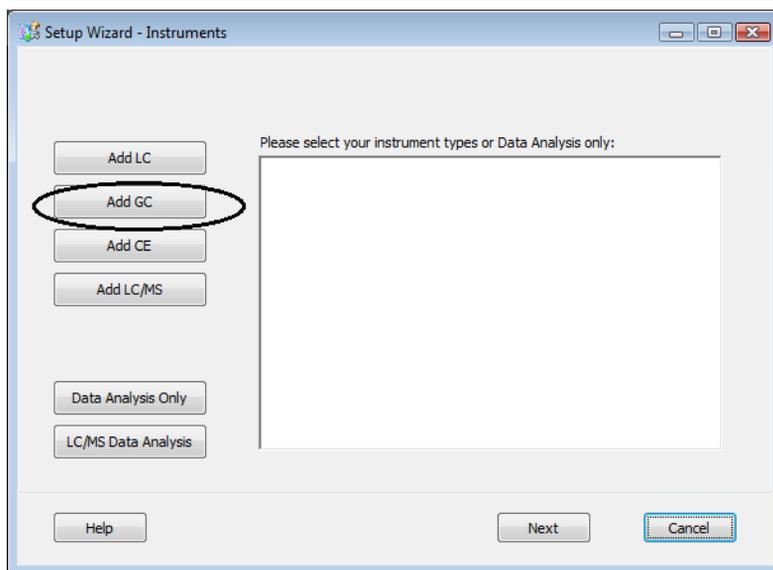
### NOTE

If the destination directory already exists (e.g. from a previously removed installation of ChemStation) that directory will be renamed to a unique directory name (<directory>\_xxx Chem32\_001) before the installation occurs.

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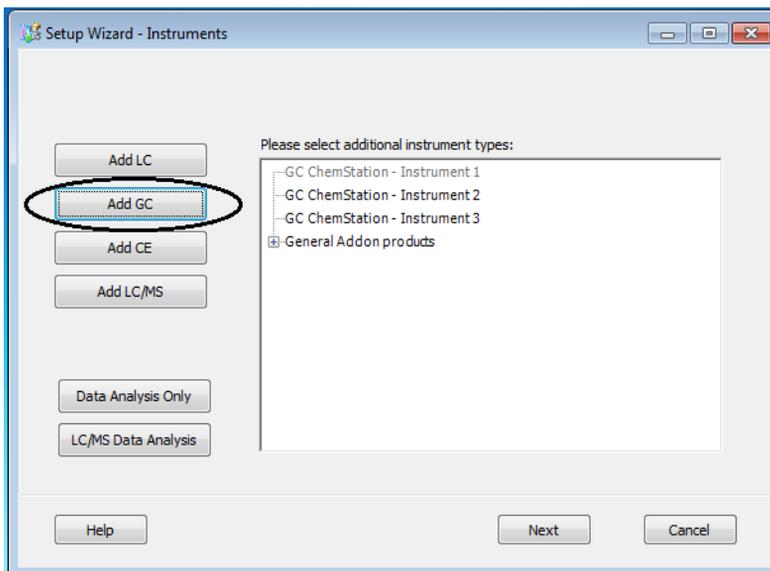
- 10 Press **Finish**, when the files are copied and registered. The ChemStation installation is completed.
- 11 The **Setup Wizard - Instruments** screen displays and lets you select instrument types or data analysis.  
  
If you are installing a Data Analysis only version of the ChemStation, go to [Install data analysis only](#) on page 15 to continue this installation.

- 12 Configure the number and type of instruments with the Setup Wizard. To add each instrument, click one of the add instruments buttons on the left side of the screen.



## 2 Install the Agilent ChemStation

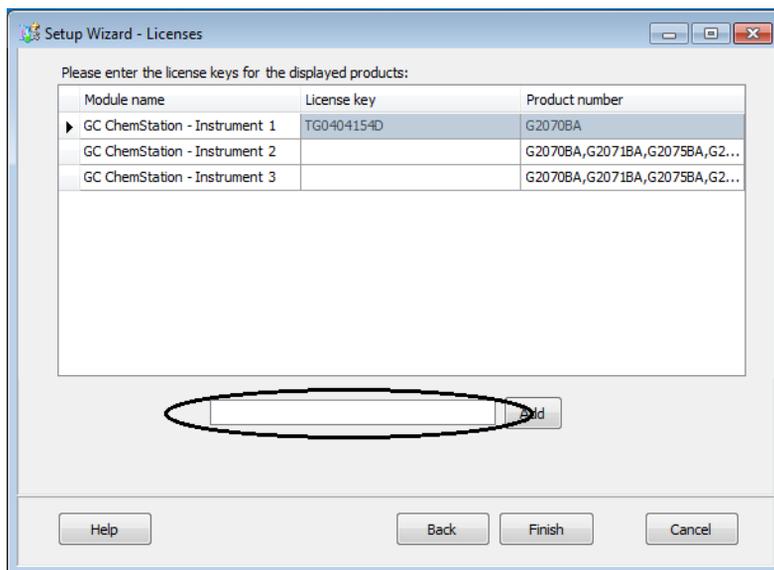
- a Add up to three additional instruments by clicking the appropriate buttons.



### NOTE

If the wrong kind of instrument is added, a right mouse click on the instrument brings up the option to **Delete** the selected one or **Delete all** to delete all the instruments.

- 13 Select **Next**, when finished adding the instruments. The **Setup Wizard - Licenses** screen displays.
- 14 To add a license, enter the appropriate registration number (license) found on the Software Registration Label into the License key field and click **Add**. The text field clears and the key is added next to the displayed module name. Enter only a single license at a time. Only one full license per instrument type is required.

**NOTE**

If an invalid license or a license of the wrong type is typed, the text input field changes from black to red and an error message explains that the license was not accepted.

**15** Repeat step 4 to add additional licenses.

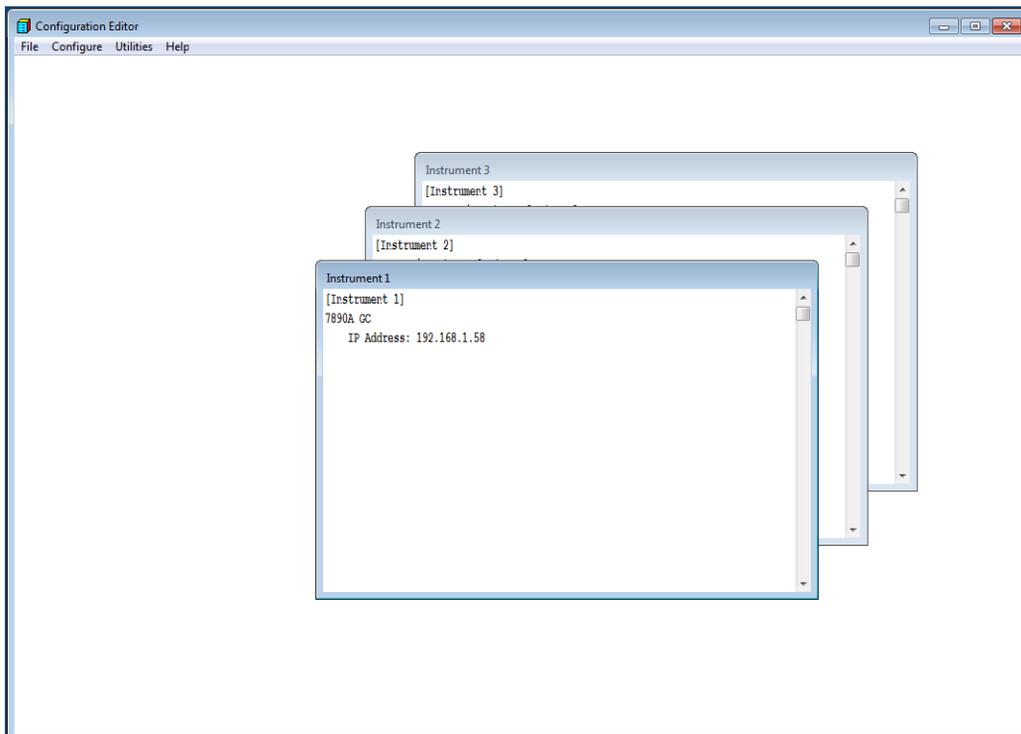
**16** Click **Finish** to complete the Setup Wizard. The **Configuration Editor** will automatically come up.

**NOTE**

The computer does not need to be rebooted.

**17** Complete the **Configuration Editor** screens. See the *ChemStation Installation* manual located on the DVD for procedures on configuring your instrument(s).

## 2 Install the Agilent ChemStation



**18** After you configure the instruments, select **File > Save**.

**19** Close the **Configuration Editor**.

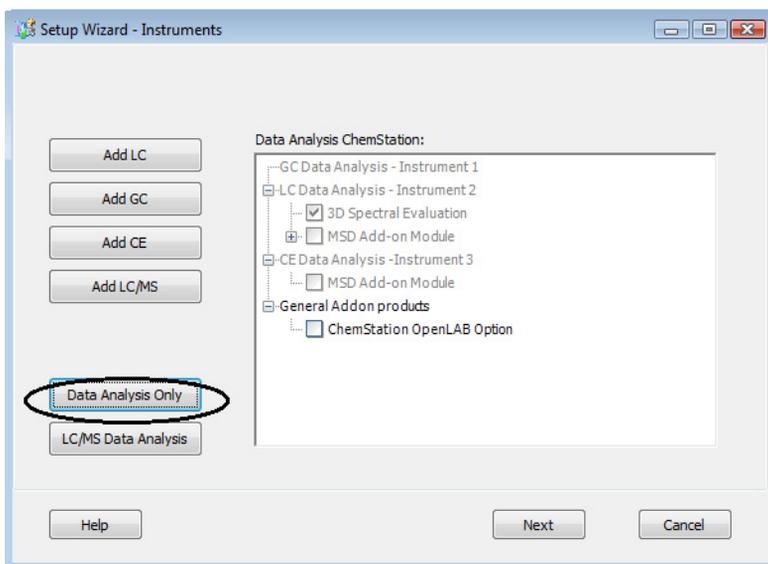
**20** After you install the software and configure the instruments, store your DVD and any license numbers in a safe place. These will be required if you wish to reinstall your software or add a new instrument module or license.

## Install data analysis only

This section is a continuation of the [Initial installation](#) on page 9 when you are installing the Data Analysis only version of the ChemStation.

- 1 Select the **Data Analysis Only** button.

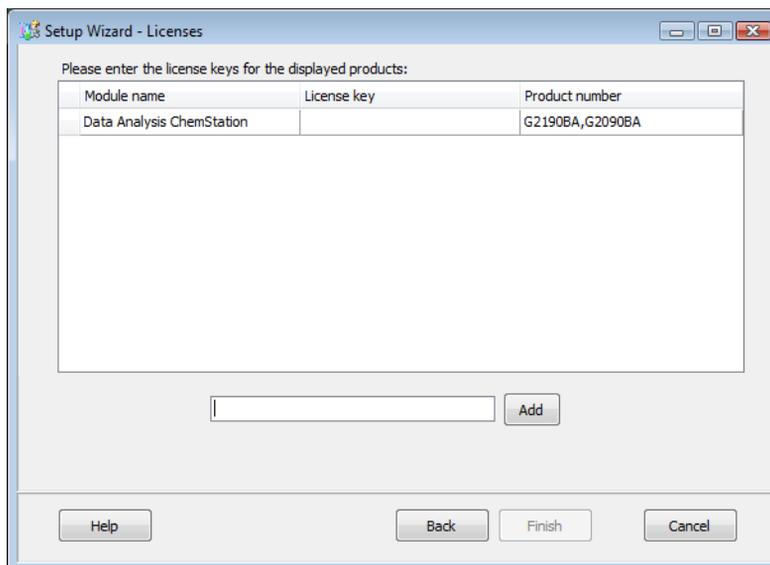
The default instruments appear in the Setup Wizard window as shown in the figure below.



- 2 Select **Next**.

- 3 Enter the license number for the Data Analysis only version of the ChemStation and select the **Add** button.

## 2 Install the Agilent ChemStation



- 4 Select **Finish**.
- 5 If the **Configuration Editor** is not displayed, start the Configuration Editor (**Start > All Programs > Agilent ChemStation > Configuration Editor**).
- 6 Select **GC** or **A/D Analysis** from the **Instrument Type** list.
- 7 For Data Analysis Only configurations do not change any default settings in the **Configuration Editor** other than **Instrument Name**. Instrument 1 must be set as a Gas Chromatograph (GC).
- 8 Click **File > Save** and then select **File > Exit**.

## Add instruments to an existing installation

To add an instrument to an existing installation:

**1** Select **Programs > Agilent ChemStation > Add Instrument**.

The ChemStation Setup Wizard opens.

- You cannot modify or delete already configured instrument(s).
- A GC ChemStation installation supports a maximum of 4 instruments.

**2** To add an instrument, click one of the buttons on the left side of the screen. Click the **Add GC** button.

Add up to a total of four instruments by clicking the appropriate buttons. (Each additional instrument will require a new license.)

### NOTE

Selecting **Data Analysis Only** once a GC or LC instrument has been entered will replace all previous selections with the Data Analysis instrument.

**3** Enter the appropriate license number in the field provided, and click **Add**. The text field clears and the key is added next to the displayed module name. Only one full license per instrument type is required.

**4** Click **Finish** to complete the Setup Wizard. The **Configuration Editor** will automatically come up.

**5** Complete the **Configuration Editor** screens. See [step 17](#) on [page 13](#).

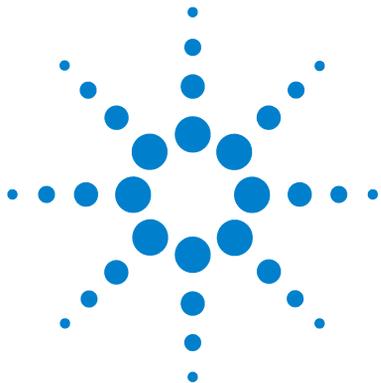
**6** After configuring the instruments, select **File > Save**.

**7** Close **Configuration Editor**.

**8** Run an IQT Report to check out ChemStation after adding instruments. Once complete, review the Installation Qualification Report for Installation results. For more detail, See “Running the IQT validation procedure” in the *ChemStation Installation* manual located on the DVD.

## Change the license number of an installed instrument

Select **Start > Agilent ChemStation > Add Instrument**. Select **Next**. The license keys will be displayed. Select the Instrument number and right click, and select **Delete License Key**. Add the new license. Select **Finish**.



### 3 Uninstall the Agilent ChemStation and ChemStation Add-On Software

Uninstall the Agilent ChemStation and ChemStation Add-On software. 20

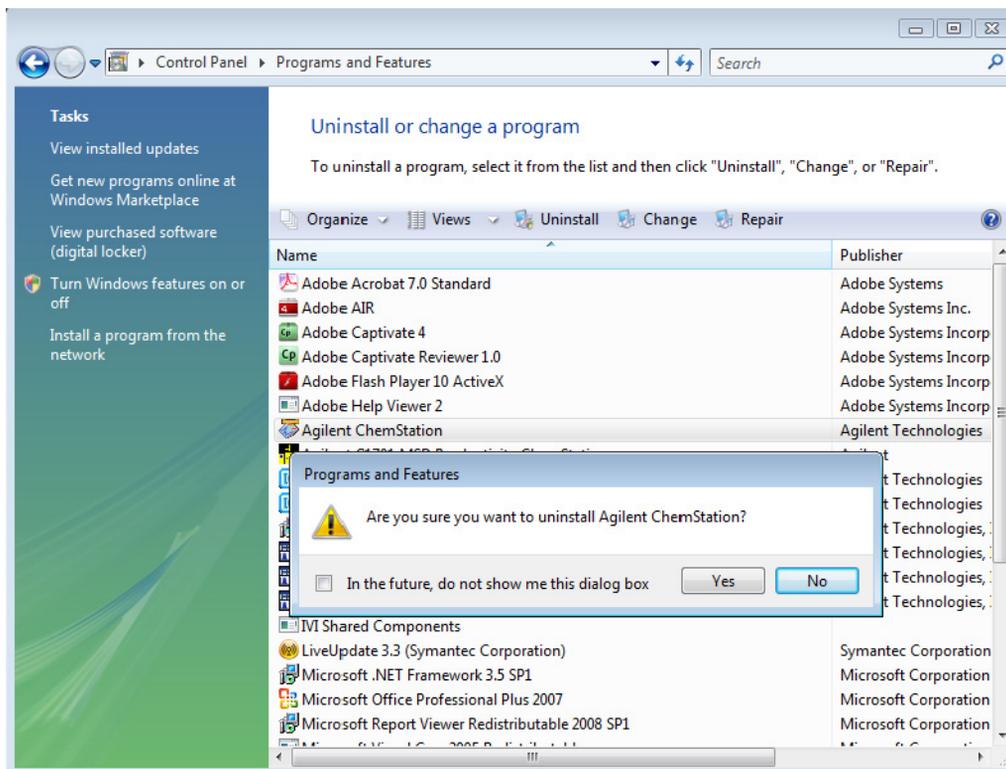
This chapter describes the method to remove the Agilent ChemStation software and ChemStation Add-On software from your workstation.



## Uninstall the Agilent ChemStation and ChemStation Add-On software.

Add-On software such as the HeadSpace add-on software needs to be uninstalled using the standard Windows uninstall procedure (**Control Panel > Add or Remove programs**). Please uninstall any add-on software using the Windows routine PRIOR to uninstalling the Agilent ChemStation. This also includes all Service Releases or Patches for the Agilent ChemStation that may have been delivered for the Agilent ChemStation revision you want to uninstall. The system may need you to manually modify the chemstation.ini file. Please refer to the corresponding software documentation of the Agilent ChemStation Plus products for details.

- 1 If the Agilent ChemStation is running, close all sessions and reboot the computer.
- 2 Uninstall Add-On software such as HeadSpace or Agilent ChemStation Service Releases or Patches.
  - a Windows Vista users:  
Select **Start > Control Panel > Uninstall a Program**. Select the Add-On software and click **Uninstall**.
  - b Windows XP users:  
Select **Start > Settings > Control Panel > Add or Remove Programs**. Select the Add-On software and click **Remove**.
- 3 Uninstall the existing Agilent ChemStation.
  - a Windows Vista users:  
Select **Start > Control Panel > Uninstall a Program**. Select **Agilent ChemStation** and click **Uninstall**.
  - b Windows XP users:  
Select **Start > Settings > Control Panel > Add or Remove Programs**. Select **Agilent ChemStation** and click **Remove**.
- 4 Before the Agilent ChemStation is uninstalled, you will be prompted to confirm its removal. Click **Yes** to continue.



- 5 During uninstall, the system will leave your Agilent ChemStation data, methods, sequences, and any customized macros such as user.mac in the CHEM32 directory.

**NOTE**

An installation of ChemStation will detect the CHEM32 directory and protect it from overwriting by renaming the directory (e.g. c:\Chem32) to <directory>\_00x (e.g. c:\Chem32\_001).

### **3 Uninstall the Agilent ChemStation and ChemStation Add-On Software**



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