Agilent MassHunter Workstation Software for Triple Quad MS

Upgrade Guide

For In Vitro Diagnostic Use

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Use this guide to upgrade an online MassHunter Data Acquisition Workstation to B.08.00 SP 1 for use with the 6460/6420 Triple Quad Mass Spectrometer (Model K6460/K6420).

Before you begin, make sure you have a copy of the Offline Qualitative and Quantitative Analysis Installation Guide for the K6460/K6420 Mass Spectrometer on hand.

NOTE Excel is not required to generate MassHunter Qualitative Analysis or Quantitative Analysis reports. You need to upgrade Excel only if you need to use custom report templates created in Excel, and you are using a version earlier than Excel 2013.
Step 1. Prepare for installation

1 Use the **Uninstall or change a program** command in Control Panel to remove programs that you will be upgrading. *Do not remove programs for which you need only to install a service pack.*

   - Microsoft Excel, if you need to upgrade.
   - Agilent MassHunter Workstation Qualitative Analysis
   - Agilent MassHunter Workstation Quantitative Analysis
   - Agilent MassHunter Workstation Quantitative Analysis Reporting
   - Agilent MassHunter Workstation Quantitative Analysis Compliance

2 Back up the data, method and worklist files in the `D:\MassHunter` folder. Use the back-up method of your choice. You can create the folder `D:\MassHunter_Archive` to store the files that you want to back up.

   The uninstallation program keeps your data, method and worklist files. It also backs up your tuning and hardware setting files, which are restored during installation. Do not move, remove or rename the `D:\MassHunter` folder, or your tuning and hardware settings will not be saved.

3 Run Windows Update to make sure you have the latest critical updates and security fixes.

   Make sure Windows Update is completed before you continue.

**CAUTION**

If you do not run Windows Update, your system may be vulnerable to security problems. Confirm that the LAN power management has not been activated by a Windows Update program.
Step 2. Install Microsoft Excel software (optional)

The MassHunter Qualitative Analysis and Quantitative Analysis programs include PDF-based report templates. You need to upgrade Excel only if you want to use custom Excel report templates.

- Refer to the *Offline Qualitative and Quantitative Analysis Installation Guide* for the K6460/K6420 Mass Spectrometer to install and configure Excel.

Step 3. Install the Acquisition program

If the upgrade to the Data Acquisition program is for a service pack only, continue at “Step 6. Install Service Pack SP1 for Data Acquisition” on page 5.

The installation of the Data Acquisition program includes installation of Optimizer and Study Manager. Do not separately install these programs.

The installation of the Data Acquisition program includes installation of Optimizer and Study Manager. Do not separately install these programs.

1. Check that no other program is running on your system, including Windows Update.
2. Put the Data Acquisition installation disc into the disc drive.
   The welcome page appears.
3. Click **Uninstall MassHunter Data Acquisition Software**, and then follow the instructions on the page to remove the current program.
4. Click **Install Microsoft .NET 4.5**. Follow the instructions to install Microsoft .NET 4.5.
5. Click **Install MassHunter Data Acquisition Software**, and then follow the instructions to install the software.
   - In the License Agreement page, click **I accept the terms in the License Agreement**, and then click **Next**.
   - In the **Choose destination location** page, click **Next** to accept the default destination location.
     The default is *C:\Program Files (x86)\Agilent\MassHunter\Workstation\Acq*.
   - If prompted, in the **Choose location for customer data files** screen, check that the default of *D:\MassHunter* is displayed in the text box, and then click **Next**.
Step 4. Install the Qualitative Analysis program

- In the **Ready to install** page, click **Install**.
  The Setup Status page now appears.
- If you are asked to allow Agilent Technologies to install software on the computer, click **Yes**.
- If you get a message that indicates that the screen resolution is *not* set to the required resolution, click **OK**.
- If you see a Notepad window that prompts you to install other options, close the Notepad window.
- When the installation completion message is displayed, click **Finish**.

6 Make sure that the most current firmware for the K6460 is installed.

7 Click **Install MassHunter Data Acquisition Manuals**, and then:
   a Make sure all check boxes are marked.
   b Click **Start Copy**.

   **Manuals for Help** must be marked so that user guides can be opened from online Help after installation. **Manuals** can be marked to copy the user guides to a second location of your choice.

   **Video Maintenance Guide** must be marked so that the animated maintenance instructions can be opened from online Help after installation.

8 Click **Install Software Verification Tool** if you need to qualify the installation.

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**Step 4. Install the Qualitative Analysis program**

Do this step only if you are upgrading the Qualitative Analysis program at this time.

- Refer to the *Offline Qualitative and Quantitative Analysis Installation Guide* for the K6460/K6420 Mass Spectrometer to install the Qualitative Analysis program.

Do not install any other MassHunter program until instructed to do so.
Step 5. Install the Quantitative Analysis program

Do this step only if you are upgrading the Quantitative Analysis program at this time.

If you are installing or upgrading Quantitative Analysis to run in Compliance mode, refer also to the Quantitative Analysis Compliance Mode *Quick Start Guide*.

- Refer to the *Offline Qualitative and Quantitative Analysis Installation Guide* for the K6460/K6420 Mass Spectrometer to install the Quantitative Analysis program.

Do not install any other MassHunter program until instructed to do so.

Step 6. Install Service Pack SP1 for Data Acquisition

1. Put the Data Acquisition installation disc into the disc drive.
   - If you received a separate Service Pack installation disc, insert that disc instead.

2. Install Service Pack SP1:
   - Open the **Service Packs** folder. If the folder contains another folder, such as **SP1**, open that folder.
   - Locate the installation file, which ends with **SP x.exe**.
   - Right-click the installation file and select **Run as administrator**.
   - Follow the instructions to install the service pack.

Step 7. Install Quantitative Analysis Reporting

Do this step only if you need to upgrade Quantitative Analysis Reporting.

- Refer to the *Offline Qualitative and Quantitative Analysis Installation Guide* for the K6460/K6420 Mass Spectrometer to install the Quantitative Analysis program.

Do not install any other MassHunter program until instructed to do so.
Step 8. Configure Excel (optional)

Do this step only if Excel was upgraded after the Qualitative Analysis or Quantitative Analysis was installed or upgraded.

1. Click **Start > Control Panel > Programs and Features**.
2. If you need to configure Excel for Qualitative Analysis:
   a. Right-click **Agilent MassHunter Workstation Qualitative Analysis**.
   b. Click **Change**, and then click **Repair**.
   c. Follow the instructions to complete the process.
3. If you need to configure Excel for Quantitative Analysis:
   a. Right-click **Agilent MassHunter Workstation Quantitative Analysis**.
   b. Click **Change**, and then click **Repair**.
   c. Follow the instructions to complete the process.
Step 9. Confirm and update the LC firmware

1. Start the Data Acquisition program.
2. Click File > Print > Instrument Configuration Report.
3. Click Screen.
4. Click OK.
5. Go to http://www.chem.agilent.com/_layouts/agilent/downloadFirmware.aspx?whid=69761 and check that you have the most recent firmware for the K1260 LC instrument.
6. If you need to update your LC firmware, follow the instructions on the website. Make sure you use the latest firmware update tool, as instructed on the website.
7. Check that the firmware for the G1369A Agilent LAN Interface card is the latest version available:
   a. Start a Command Prompt in Windows.
   b. Type `telnet 192.168.254.11` in the Command Prompt window and press Enter.
   c. Type `/` in the Telnet window.
   The LAN Interface card displays its current configuration information.
   The LAN Interface card requires 1.10 firmware or higher. If an upgrade is needed, please contact your Agilent representative.
Step 10. Finish the installation

1. If this is an upgrade installation, copy or move the files that you backed up at the beginning of the upgrade process.

   If you backed up the files to D:\MassHunter_Archive, copy the files to the D:\MassHunter folder.

2. Create a system recovery disc of your installed system.

   Check with your IT department for the appropriate backup procedure.

3. Install or enable any other program that you will use with your MassHunter workstation. Refer to the installation guide or quick start guide for these programs.

4. Make sure that the trust settings in Excel are set for all MassHunter users, including the guest account that is set up for compliance. See the Offline Qualitative and Quantitative Analysis Installation Guide for the K6460 Mass Spectrometer for more information.

5. Install or enable any other program that you will use with your MassHunter Workstation. Refer to the installation guide or quick start guide for these programs.

6. Run the installation program for the K6460/K6420 Resource Disc to install the K6460/K6420 manuals to your MassHunter Workstation.
Step 11. Configure the instrument

If available, configure the device from the Device Configuration tool in the Data Acquisition program. Go to Tools > Device Config.

Some HPLC instrument setups can be configured only through the Device Configuration tool from the Data Acquisition program. The Capillary Pump and the Nano pump with the Chip Cube are examples.

In this step, you configure the Triple Quad instrument and the HPLC instrument.

1. Open the Agilent MassHunter Workstation folder on the desktop, and then double-click Acq Tools.
2. Double-click the Instrument Configuration tool.
3. If you are prompted to log in to OpenLAB, provide the user name and password for an OpenLAB administrator account.
   You are prompted if OpenLAB Shared Services is installed on this computer.
4. In the Instrument Configuration dialog box:
   a. If you want to change the name of the instrument, type a new name for Instrument name.
   b. Mark the Mass Spectrometer check box.
   c. Click the option for your LC/MS instrument.
   d. Mark the Agilent LC (1100/1120/1200/1220/1260/1290)/CE check box.
   e. Click Agilent LC System Access.
   f. Click Device Config and configure the LC system.
   g. Click OK.
Step 11. Configure the instrument

Figure 1  Instrument Configuration Dialog Box

5  When configuration is completed, click **OK**.
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In This Book

This book contains installation instructions to upgrade Agilent MassHunter Workstation Software for Triple Quad MS Systems.

This guide supports Agilent MassHunter Workstation Software for Triple Quad MS B.08.00 SP1.

For In Vitro Diagnostic Use

The K6460/K6420 mass spectrometer is intended to be used to identify inorganic or organic compounds in human specimens by ionizing the compounds and separating the resulting ions by means of electrical field according to their mass.