

Analyst MD 1.7.3 Components for Shimadzu LC-40 CL Release Notes



Introduction

For information about a previous software version, refer to the document: *Release Notes* that came with that software version.

New in Analyst MD 1.7.3 Components for Shimadzu LC-40 CL

Enhancements

This update is applicable to all systems, including those that do not use the Shimadzu LC-40 CL devices.

This Components release includes the following enhancements:

- Shimadzu LC-40 CL systems that are registered as EU *In Vitro* Diagnostic Devices Regulation (IVDR) devices are supported.
- Microsoft Office 2021 is supported. For a list of other supported versions of Microsoft Office, refer to the software installation guide for the Analyst MD 1.7.3 software.
- A new plate layout for the Shimadzu LC-40 autosamplers is now available.

The Alpha Deep Well MTP 96 plate, a 96 deep well plate layout with alphanumeric numbering starting from the bottom left of the plate, horizontally, is supported for the Shimadzu LC-40 autosamplers. (AN-2758)

- A new plate layout is now available for the Shimadzu SIL-30AC and SIL-30ACMP autosamplers configured through the Integrated System Shimadzu LC Controller or the Integrated System Shimadzu LC-20/30 Controller, with or without RackChanger.

The Alpha Deep Well MTP 96 plate, a 96 deep well plate layout with alphanumeric numbering starting from the bottom left of the plate, horizontally, is supported. (AN-2223)

- The SIL-30ACMP autosampler can now be controlled using a Shimadzu LC-40 controller (AN-2707, AN-3037)
- The ConfigUpdater utility used to upload new firmware for the SCIEX 4500MD and Citrine systems is included.
- The ExionLC 2.0 system firmware has been updated.

Contact sciex.com/request-support to update the device firmware.

- Use firmware version 6.21 for ExionLC 2.0 column switching valves.

- Use firmware version 1.23 for ExionLC 2.0 autosamplers.

Fixed Issues

The Analyst Reporter might have grouped some analytes incorrectly and might not show data for some of the analytes

This issue occurred if analytes that belonged to different analyte groups had names that started with the same characters and ended in " 1". For example:

- Morphine 1
- Morphine 2
- Morphine Dihydro 1
- Morphine Dihydro 2

These analytes should be in two separate analyte groups, but the Analyst Reporter incorrectly put all of the analytes in one group. In addition, some of the analytes were not printed in the report. Instead, one of the analytes was reported multiple times to replace those that were not reported.

After the fix is installed, if analytes are to be included in same analyte group, then the analyte names must end with a space and then an integer, and the characters from the start of the analyte name to immediately before the last space character must match. Analyte names have always been case sensitive. Thus, "Morphine 1" and "Morphine 2" are in the same group, and "Morphine Dihydro 1" and "Morphine Dihydro 2" are in the same group. However, analytes with names such as "QAXL 357 1" and "QAXL 225 2" would not be in the same group. To put these analytes in the same group, the user must rename the analytes. (AN-1645)

If a Reporter template that was made using a newer version of Microsoft Word, then an extra empty line might be printed for each analyte or sample

SCIEX has tested versions of Microsoft Word from 2016 and 2021. If the **For Each** tag was used in a Reporter template that was made using a newer version of Microsoft Word, then the printed Results Table report might contain an extra empty line for each analyte or sample. If the **If** condition was not met for some analytes or samples, then the report contained a large blank space between analytes or samples, depending on how many samples or analytes did not meet the condition. This issue occurred because newer versions of Microsoft Word introduced a hidden empty line after the **For Each** tag. The empty line could not be removed when the template was made because the line was hidden. (AN-3104)

Shimadzu LC-40 systems: The Analyst MD software batch stopped intermittently if none-default values for the autosampler rinse mode and rinse method were selected

If the Shimadzu LC-40 system was used with the Analyst MD 1.7.3 software, then the batch might stop if, in the LC method, `none-default` values were selected for the autosampler rinse mode and rinse method. (AN-2901)

Batch submission failed when a specified rack was selected in the acquisition method for Shimadzu 20/30 autosamplers that have a rackchanger configured for use

If a Shimadzu autosampler with a rackchanger that was configured for use through the Integrated Systems Shimadzu LC20/30 Controller was used, then the batch submission failed if the **Specify Rack** option was selected in the acquisition method. (AN-1806)

Batch submission might fail if a specified rack is selected in the acquisition method for Shimadzu 20/30 autosamplers that do not have a rackchanger configured

If a Shimadzu autosampler that does not have a rackchanger configured through the Integrated Systems Shimadzu LC20/30 Controller is used, then the batch submission fails if the **Specify Rack** option is selected and **Rack 1.5 mL 105 vial** or **Rack 1.5 mL 70 vials** is used in the acquisition method. (AN-2805)

If the Analyst Classic quantitation algorithm was used to quantitate poorly separated small peaks, then a smaller peak area than expected might be calculated when an atypically large value for the Separation Height or Separation Width was used for integration

If the Analyst Classic quantitation algorithm was used to calculate the area of a small peak that is on the shoulder of a large peak eluted before or after the small peak, then the automatic integration that used an atypically large value for the **Separation Height** parameter, such as 0.6 (default is 0.01), or the **Separation Width** parameter, such as 4.0 (default is 0.2) could cause the peak area to be calculated with a lower value than if the peak area was integrated manually.

This issue might only occur if peaks that are not well separated are integrated. The issue has been fixed for any Results Table that is created using the Analyst MD 1.7.3 Components for Shimadzu LC-40 CL or later. If a Results Table was created using the Analyst MD software, version 1.7.3 or an earlier version, then opening or editing the Results Table or updating other integration parameters in Analyst MD 1.7.3 Components for Shimadzu LC-40 CL or a later version will not cause the new peak area calculation. To update the calculation for an analyte, in the Results Table, change the quantitation method by removing the analyte and then adding the analyte back. Click **Tools > Results Table > Modify Method**. The peak area will be calculated for the newly added analyte. (AN-2844)

Opening the File Info pane when multiple data files are open in the Analyst MD software Explore mode might slow system performance

If different data files are open in Explore mode, if each of the data files has File Info open, and if the user clicks **Show Next Sample**, **Show Previous Sample**, or **Go To Sample** to move to a different sample for one of the datafile windows, then the system performance might be slow when the File Info pane is updated. (AN-2843)

Deactivating a hardware profile that includes the ExionLC 2.0 system might intermittently fail

Intermittently, when a user tries to deactivate a hardware profile that includes the ExionLC 2.0 system, the following error messages are shown: `The remote procedure call failed` or `The RPC server is unavailable`. To resolve this issue, close and then open the Analyst MD software. (AN-2766)

Notes on Use

Different autosamplers permit different injection volume ranges and precisions

The injection volume entered controls the different precision permitted for each autosampler. If an invalid injection volume is entered, even if it is within the permitted injection volume range, then the acquisition does not start as per the LC driver design. For example:

For the ExionLC AC autosampler, the injection volume setting range and allowed increment and precision is shown in the following table:

Table 1 ExionLC AC Autosampler Injection Volume Setting

Injection volume setting range	0.1 µL to 50 µL (standard), 0.1 µL to 100 µL (optional) 0.1 µL to 0.9 µL in 0.1 µL increments, 1 µL to 100 µL in 1 µL increments)
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For the ExionLC AD autosampler, the injection volume setting range is shown in the following table:

Table 2 ExionLC AD Autosampler Injection Volume Setting

Injection volume setting range	Total injection	0.1 µL to 50 µL 0.1 µL to 9.9 µL: 0.1 µL increments; 10 µL to 50 µL: 1 µL increments
	Loop injection	Select either loop of 5 µL or 20 µL capacity. 0.1 µL to 9.9 µL: 0.1 µL increments; 10 µL to 20 µL: 1 µL increments

For the Jasper autosampler, refer to the "Autosampler Specifications" under the "Performance Characteristics and Specifications" section in the document: *Jasper HPLC System User Guide*.

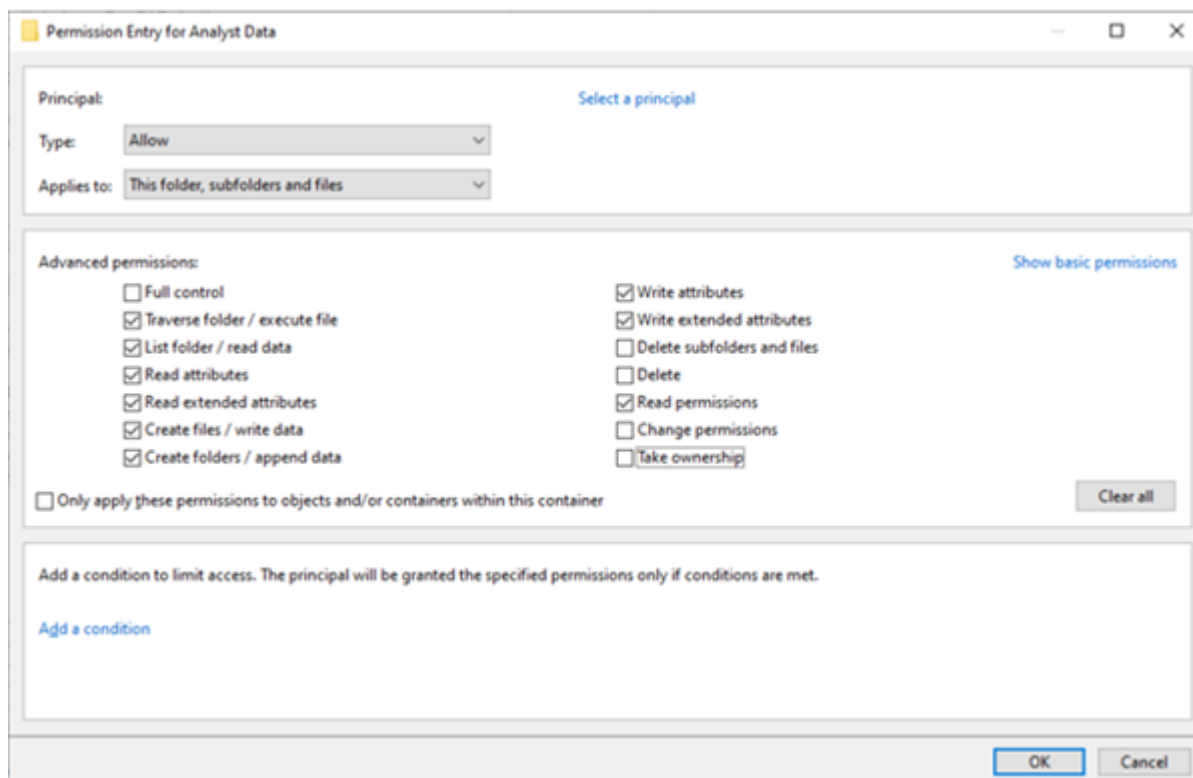
For a Shimadzu autosampler, refer to documentation that came with the autosampler.

The minimum advanced permissions required by the Analyst MD software to store a result file

For the minimum permissions required to store a result file, refer to the following figure (AN-1994).

Note: If there are multiple domain user groups and the Analyst MD software user is in more than one group, then the folder permission for a user will be overwritten by the permissions assigned to the last group.

Figure 1 Permission Entry for Analyst Data Dialog



In the Analyst MD 1.7.3 Components for Shimadzu LC-40 CL and later versions, the Analyst Reporter analytes grouping behavior has changed

If analytes are to be included in same analyte group, then the the analyte names must end with a space and then an integer, and characters from the start of the analyte name to immediately before the last space character must match. Analyte names have always been case sensitive. Thus, "Morphine 3" and "Morphine 4" are put in the same group, and "Morphine Dihydro 1" and "Morphine Dihydro 2" are put in the same group. However, analytes with names such as "QAXL 357 1" and "QAXL 225 2" would not be put in the same group. To put these analytes together, the user must rename the analytes.

Before, analytes that belonged to different analyte groups and that had names that started with the same characters and ended in " 1" were put in the same group. For example:

- Morphine 1
- Morphine 2
- Morphine Dihydro 1
- Morphine Dihydro 2

(AN-1645)

Each time a hardware profile is activated, the time stamp of its `hwpf` file in Windows Explorer changes.

By design, when a hardware profile is activated, the time stamp of its `hwpf` file changes. This is because specific parameters must be read from the mass spectrometer and the hardware profile manager to update the `hwpf` file during the activation process. (AN-1803)

Acquisition methods containing four pumps and created in a version earlier than the Analyst MD 1.7.3 Components for Shimadzu LC-40 CL cannot be opened in newer versions of the Analyst MD software

If an acquisition method uses four pumps and that are made in a version earlier than the Analyst MD 1.7.3 Components for Shimadzu LC-40 CL, then this method cannot be opened in the Analyst MD 1.7.3 software or in newer versions of the Analyst MD software. The method must be made again using the new hardware profile made in the Analyst MD 1.7.3 software or a later Analyst MD software version. (AN-2818).

If pressure traces from Agilent or ADD are enabled, then they are shown under Show Auxiliary Traces

In version 1.7.3, or later, of the Analyst MD software, the pressure traces from Agilent or ADD, if enabled, are shown under **Explore > Show > Show Auxiliary Traces**.

Acquire each sample to a different data file if an ExionLC PDA or a Shimadzu PDA is used

We recommend that each sample be acquired to a separate data file if an ExionLC PDA or a Shimadzu PDA is used. Doing so can prevent intermittent batch stoppages caused when large amounts of data are written to a single file. (AN-1823, AN-2920, AN-2901)

The expected RT is not automatically updated when integration parameters are changed during quantitation peak review in the Analyst MD software

From the Analyst MD software version 1.7.3 and later, the expected RT is not automatically updated when integration parameters are changed during quantitation peak review in the Analyst MD software. The expected RT entered or selected by the user is kept. (AN-861, AN-869)

Where to Get Help

- *Analyst MD 1.7.3 Software Release Notes*

- *Analyst MD 1.7.3 Software Installation Guide*

Known Issues and Limitations

In Manual Tune, not all of the options for the modules are shown when an LC method is selected for Shimadzu LC-40 CL devices

If an LC Method is selected in Manual Tune for a hardware profile containing Shimadzu LC-40 CL devices, then the following options are missing from the right side of the module window:

- Time Program option, for all modules that have the **Time Program** option enabled in the Acquisition Method Editor
- Pretreatment option, for the autosampler module
- Pump mode switching option (B. GE vs ISO)
- Autopurge option

As a workaround for this issue, make the acquisition method in the Acquisition Method Editor, save it, and then open it in Manual Tune mode. (AN-3121)

Users must have Delete rights to the folder in which a pdf file is saved

If the Analyst MD software is used to print data such as a Results Table, File Information, or data list to a pdf file, then users must have Delete rights to the folder in which the pdf file is saved. If users do not have Delete rights assigned, then a message tells them that they do not have permission to modify files in that folder. If this issue occurs, then click **OK** to the message and then save the file again using the same name, and then click **Yes** to replace the empty file that was made previously. This issue cannot be fixed because the function is in the Microsoft SDK, and not in the Analyst MD software. (AN-2756)

For integrated Agilent LC devices, the LC run stops when the mass spectrometer stops acquiring data, even if the LC run time is longer than the MS run duration

For Agilent devices that are directly controlled in the Analyst MD software and not through the Analyst Device Driver (ADD), the LC run stops when the mass spectrometer stops acquiring data, not at the pump stop time, even if the pump run time is longer than the MS duration. This issue occurs with or without scheduled ionization enabled. Also, the Agilent pump trace, if enabled, starts at the pre-rinse and not the injection time. Thus the trace is shown from 0 to *MS end time + approximately 0.5min*. The workaround is to configure the Agilent devices with the ADD, version 1.4 if the LC run time is longer than the MS run duration. (AN-2657)

Analyst MD 1.7.3 Components for Shimadzu LC-40 CL Installation

Install the Components for Shimadzu LC-40 CL

Prerequisites
<ul style="list-style-type: none">The Analyst MD 1.7.3 software is installed.

1. Log on to the computer as a user with Administrator privileges.
2. Stop any acquisitions that are in progress and then deactivate the hardware profile.
3. Close the Analyst MD software.
4. Download **Analyst MD 1.7.3 Components for Shimadzu LC-40 CL** from sciex.com/software-support/software-downloads.

Tip! To prevent potential installation issues, save the file to a location other than the computer desktop and then disconnect any external USB storage devices before starting the installation.

5. After the download is complete, right-click the `AnalystMD173CompShim40CL.zip` file.
6. Click **Extract All**, browse to and select the destination folder, and then click **Extract**.
7. After the extraction is complete, browse to the extracted folder, and then double-click the `setup.exe` file.
8. Follow the on-screen instructions to complete the installation.
9. SCIEX4500MD and Citrine systems only: Continue with the section: [Update the Firmware](#).
10. Open the Analyst MD software and then activate the hardware profile. Refer to the documentation for the Analyst MD software.

Update the Firmware

Use the `ConfigUpdater.exe` program to update the system firmware to PIL2007 for the SCIEX 4500MD and Citrine systems. The configuration tables are not changing. Refer to the document: *Software Installation Guide* for the Analyst MD 1.7.3 software for information about configuration tables.

1. Browse to the `Analyst\Firmware\ConfigUpdater` folder and then double-click `ConfigUpdater.exe`. This folder is in the `C:\Program Files (x86)\` folder. The Configuration Table Update Program page opens.

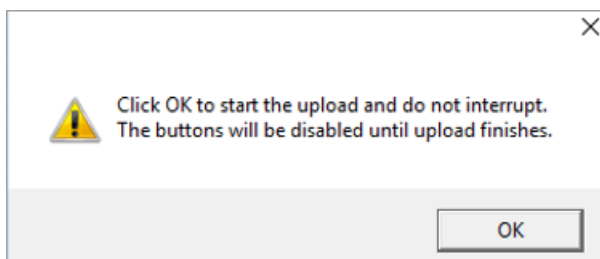
Tip! The `ConfigUpdater.exe` program can also be started from the shortcut: **Start > SCIEX Analyst MD >**

2. Select the **Ethernet** interface.
The ConfigUpdater utility opens and then identifies the new firmware version to be installed.

Note: The ConfigUpdater utility will reset the mass spectrometer. This is normal and is required by the update process.

3. Click **Next**.

Figure 2 Upload Confirmation Prompt



4. Click **OK** and then wait until the message `Uploaded firmware is ready` is shown.
5. Click **OK**.
The Firmware/Configuration Table Update Program dialog with a list of supported instruments opens.
6. Click **Next**.

A dialog with the following message opens: Your current configuration table is: `<header of the current configuration table> file`. Your instrument is upgraded to the latest firmware configuration table. Click **Cancel** to exit this program or click **Downgrade** if you wish to upload another Configuration Table.

7. Click **Cancel** to close the utility.

Supported Shimadzu LC-40 CL Device Models and Tested Firmware

In most cases, more recent firmware versions from the device manufacturer will work with the devices. If issues occur, then change the device firmware to the version listed in the table. For information on verifying and upgrading firmware, refer to the documentation provided by the device manufacturer or contact the SCIEX Field Service Employee (FSE).

Table 3 Supported Device Models and Tested Firmware

Device	Model	Tested Firmware Version
System controller	CBM-40 CL	1.62
Pump	LC-40D XR CL	1.06
	LC-40D X3 CL	1.10
	LC-40B X3 CL	1.10
Degasser	DGU-405 CL	—
Autosampler	SIL-40C XR CL	1.13
	SIL-40C X3 CL	1.13
Plate changer	Plate Changer CL	1.11
Column oven	CTO-40C CL	1.02
High-pressure flow line switching valve	FCV-S CL	1.03

Remove the Components for Shimadzu LC-40 CL

Note: Only a SCIEX FSE can remove the components software because the firmware must be downgraded when the software is removed. We do not recommend that the components software be removed.

1. Deactivate the hardware profile and then close the Analyst MD software.
2. Contact SCIEX service or support to downgrade the firmware.
3. Open the **Programs and Features** control panel.
4. Select **Analyst MD 1.7.3 Components for Shimadzu LC-40 CL** from the list and then click **Uninstall**.
The components software is removed from the program list. The software is reverted to the Analyst MD 1.7.3 software.

Updated Files

The Analyst MD 1.7.3 Components for Shimadzu LC-40 CL makes the following changes to the Analyst and AB SCIEX folders. The folders are in the C:\Program Files (x86)\ folder.

Analyst\Bin (All files, excluding two, are updated)

- AdminConsole.dll
- Analyst.exe
- AnalystLauncher.exe
- AutosamplerDB.adb
- AutosamplerDB_SIL40_SIL30AC_SIL30ACM_AlphaDWP96.adb (added)
- AutosamplerDBServer.adb
- BatchDir.dll
- CSISShimLC20LC30.dll
- CSISShimLC40.dll
- CSISShimLC40CL.dll (added)
- DDISSSciexLC.dll
- DDISShimadzu.dll
- ExploreDir.dll
- HCE.dll
- LCPumpMethodSvr.dll
- QuantFullMethodEditor.ocx
- QuantIntegration.dll
- QuantMethod.dll
- QuantOptimizeWizard.dll
- QuantRT.ocx
- QuantWizard.dll
- SciexLCMethodEditor.ocx
- SecurityConfigDir.dll
- StatusSvr.dll
- SyncMan.dll

Analyst\BinEx (All files are updated except the added ones)

- MimicInstrumentHost.exe
- NexeraCL.chm (added)

Analyst MD 1.7.3 Components for Shimadzu LC-40 CL Release Notes

- Package_CBM40.dll
- Package_ExionLC.dll
- Package_Jasper.dll
- Package_LC2030.dll
- Package_NexeraCL.dll (added)
- SciChart.Charting.dll (added)
- SciChart.Core.dll (added)
- SciChart.Data.dll (added)
- SciChart.Drawing.dll (added)
- Shimadzu.Chart.dll (added)
- Shimadzu.LCDriver.CBM20A.Analog.dll
- Shimadzu.LCDriver.CBM20A.AutoConfiguration.dll
- Shimadzu.LCDriver.CBM20A.Autosampler.dll
- Shimadzu.LCDriver.CBM20A.CbmNet.dll
- Shimadzu.LCDriver.CBM20A.CommonData.dll
- Shimadzu.LCDriver.CBM20A.CommonUI.dll
- Shimadzu.LCDriver.CBM20A.FLD.dll
- Shimadzu.LCDriver.CBM20A.LCBase.dll
- Shimadzu.LCDriver.CBM20A.Oven.dll
- Shimadzu.LCDriver.CBM20A.PDA.dll
- Shimadzu.LCDriver.CBM20A.Pump.dll
- Shimadzu.LCDriver.CBM20A.RID.dll
- Shimadzu.LCDriver.CBM20A.Subcontroller.dll
- Shimadzu.LCDriver.CBM20A.SystemController.dll
- Shimadzu.LCDriver.CBM20A.UnifiedControl.dll
- Shimadzu.LCDriver.CBM20A.UnifiedStatus.dll
- Shimadzu.LCDriver.CBM20A.UVD.dll
- Shimadzu.LCDriver.CBM40.AutoConfiguration.dll
- Shimadzu.LCDriver.CBM40.Autosampler.dll

Analyst MD 1.7.3 Components for Shimadzu LC-40 CL Release Notes

- Shimadzu.LCDriver.CBM40.CbmNet.dll
- Shimadzu.LCDriver.CBM40.CDD.dll
- Shimadzu.LCDriver.CBM40.CombinedConfiguration.dll
- Shimadzu.LCDriver.CBM40.CommonData.dll
- Shimadzu.LCDriver.CBM40.CommonUI.dll
- Shimadzu.LCDriver.CBM40.CRB.dll (added)
- Shimadzu.LCDriver.CBM40.Oven.dll
- Shimadzu.LCDriver.CBM40.PDA.dll
- Shimadzu.LCDriver.CBM40.Pump.dll
- Shimadzu.LCDriver.CBM40.SystemController.dll
- Shimadzu.LCDriver.CBM40.UnifiedControl.dll
- Shimadzu.LCDriver.CBM40.UnifiedStatus.dll
- Shimadzu.LCDriver.CBM40.UVD.dll
- Shimadzu.LCDriver.CBM40.Valve.dll
- Shimadzu.LCDriver.CBM40CL.AutoConfiguration.dll (added)
- Shimadzu.LCDriver.CBM40CL.Autosampler.dll (added)
- Shimadzu.LCDriver.CBM40CL.CombinedConfiguration.dll (added)
- Shimadzu.LCDriver.CBM40CL.Oven.dll (added)
- Shimadzu.LCDriver.CBM40CL.Pump.dll (added)
- Shimadzu.LCDriver.CBM40CL.SystemController.dll (added)
- Shimadzu.LCDriver.CBM40CL.UnifiedControl.dll (added)
- Shimadzu.LCDriver.CBM40CL.UnifiedStatus.dll (added)
- Shimadzu.LCDriver.CBM40CL.Valve.dll (added)
- Shimadzu.LCDriver.CompactVirtualMode.dll
- Shimadzu.LCDriver.LC2030.AutoConfiguration.dll
- Shimadzu.LCDriver.LC2030.Autosampler.dll
- Shimadzu.LCDriver.LC2030.CbmNet.dll
- Shimadzu.LCDriver.LC2030.CombinedConfiguration.dll
- Shimadzu.LCDriver.LC2030.IntegratedBaseData.dll

Analyst MD 1.7.3 Components for Shimadzu LC-40 CL Release Notes

- Shimadzu.LCDriver.LC2030.IntegratedBaseUI.dll
- Shimadzu.LCDriver.LC2030.Oven.dll
- Shimadzu.LCDriver.LC2030.PDA.dll
- Shimadzu.LCDriver.LC2030.Pump.dll
- Shimadzu.LCDriver.LC2030.SystemController.dll
- Shimadzu.LCDriver.LC2030.UnifiedControl.dll
- Shimadzu.LCDriver.LC2030.UnifiedStatus.dll
- Shimadzu.LCDriver.LC2030.UVD.dll
- Shimadzu.LCDriver.VirtualMode.dll
- Shimadzu.LCDriver4.CbmNet.dll
- Shimadzu.LCDriver4.CommonData.dll
- Shimadzu.LCDriver4.DataHelper.dll
- Shimadzu.LCDriver4.LCBase.dll
- Shimadzu.LCDriver4.LCBaseUI.dll
- Shimadzu.LCDriver4.Logger.dll
- Shimadzu.LCMimic.Framework.dll
- Shimadzu.LCMimic.Interface.dll
- Shimadzu.LCMimic.Interop.Common.dll
- Shimadzu.LCMimic.Interop.Defines.dll
- Shimadzu.LCMimic.Interop.Interfaces.dll
- Shimadzu.LCMimic.Interop.LCMimic2Defines.dll
- Shimadzu.LCMimic.Interop.ShimLCConfig.dll
- Shimadzu.LCMimic.Interop.ShimLCController.dll
- Shimadzu.LCMimic.Interop.ShimLCCore.dll
- Shimadzu.LCMimic.Interop.ShimLCMethod.dll
- Shimadzu.LCMimic.Interop.ShimLCSetup.dll
- Shimadzu.LCMimic.Interop.ShimLCStatus.dll
- Shimadzu.LCMimic.Package.dll
- Shimadzu.LCMimic.ServerCommon.dll

Analyst MD 1.7.3 Components for Shimadzu LC-40 CL Release Notes

- Shimadzu.LCMimic.ServiceInterfaces.dll
- ShimLC2030.chm
- ShimNexera40.chm
- ShimNexeraLC.chm
- VDISSciexLC.exe
- _ReadMe.pdf
- _revisionInfo.txt

Analyst\Firmware

- PIL2007 (added)

Analyst\Firmware\ConfigUpdater (All files are added)

- AxInterop.ComctlLib.dll
- AxInterop.InetCtrlsObjects.dll
- AxInterop.MSCommLib.dll
- AxInterop.MSFlexGridLib.dll
- AxInterop.MSWinsockLib.dll
- ConfigUpdater.exe
- ConfigUpdater.exe.config
- ConfigUpdater.pdb
- ConfigUpdater.xml
- Interop.ComctlLib.dll
- Interop.InetCtrlsObjects.dll
- Interop.MSCommLib.dll
- Interop.MSFlexGridLib.dll
- Interop.MSWinsockLib.dll
- Interop.Scripting.dll
- UpdateConfig.ini

Tip! The ConfigUpdater.exe program can also be started from the shortcut: Start > SCIEX Analyst MD

Analyst MD 1.7.3 Components for Shimadzu LC-40 CL Release Notes

Analyst\Help

- Analyst MD 1.7.3 Components for Shimadzu LC-40 CL Release Notes.pdf (added)
- Administrator_Console.chm (updated)

Tip! A shortcut to the Release Notes can be found in this location: **Start > SCIEX Analyst MD**

Analyst\Help\Software Guides (files are updated)

- Peripheral Devices Setup Guide.pdf

AB SCIEX\AnalystReporter\bin (files are updated)

- Sciex.Report.DataSource.Analyst.dll
- Sciex.Report.Engine.dll

Contact Us

Customer Training

- In North America: NA.CustomerTraining@sciex.com
- In Europe: Europe.CustomerTraining@sciex.com
- Outside the EU and North America, visit sciex.com/education for contact information.

Online Learning Center

- [SCIEX Now Learning Hub](#)

SCIEX Support

SCIEX and its representatives maintain a staff of fully-trained service and technical specialists located throughout the world. They can answer questions about the system or any technical issues that might arise. For more information, visit the SCIEX website at sciex.com or contact us in one of the following ways:

- sciex.com/contact-us
- sciex.com/request-support

CyberSecurity

For the latest guidance on cybersecurity for SCIEX products, visit sciex.com/productsecurity.

Documentation

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To find hardware product documentation, refer to the documentation DVD for the system or component.

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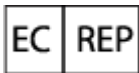
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