Release Notes

SCIEX OS Software 5.0.1



TPUB-CUST-16067-C

September 2026

This document is provided to customers who have purchased SCIEX equipment to use in the operation of such SCIEX equipment. This document is copyright protected and any reproduction of this document or any part of this document is strictly prohibited, except as SCIEX may authorize in writing.

Software that may be described in this document is furnished under a license agreement. It is against the law to copy, modify, or distribute the software on any medium, except as specifically allowed in the license agreement. Furthermore, the license agreement may prohibit the software from being disassembled, reverse engineered, or decompiled for any purpose. Warranties are as stated therein.

Portions of this document may make reference to other manufacturers and/or their products, which may contain parts whose names are registered as trademarks and/or function as trademarks of their respective owners. Any such use is intended only to designate such products as those manufacturers' products and does not imply any right and/or license to use or permit others to use such manufacturers' and/or their product names as trademarks.

SCIEX warranties are limited to those express warranties provided at the time of sale or license of its products and are the sole and exclusive representations, warranties, and obligations of SCIEX. SCIEX makes no other warranty of any kind whatsoever, expressed or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, whether arising from a statute or otherwise in law or from a course of dealing or usage of trade, all of which are expressly disclaimed, and assumes no responsibility or contingent liability, including indirect or consequential damages, for any use by the purchaser or for any adverse circumstances arising therefrom.

The SCIEX clinical diagnostic portfolio is For *In Vitro* Diagnostic Use. Product(s) not available in all countries. For information on availability, please contact your local representative or refer to sciex.com/diagnostics. All other products are For Research Use Only. Not for use in Diagnostic Procedures.

Trademarks and/or registered trademarks mentioned herein, including associated logos, are the property of AB Sciex Pte. Ltd., or their respective owners, in the United States and/or certain other countries (see sciex.com/trademarks).

AB Sciex™ is being used under license.

Echo, Echo MS, and Echo MS+ are trademarks or registered trademarks of Labcyte, Inc. in the United States and other countries, and are being used under license.

Intabio is being used under license.

© 2026 DH Tech. Dev. Pte. Ltd.

Contents

1 Introduction **4**

2 New in Version 5.0.1 ..... **5**
Enhancements 5
Corrections 6
New Permissions 6

3 Notes on Use **7**

4 Known Issues **11**

A Audit Map Enhancements **14**
Copy the Active Audit Map Settings to a Different Root Directory 14
Add a Root Directory That Uses the Active Audit Map Settings 15

Contact Us **16**
Addresses 16
Customer Training 16
Online Learning Center 16
SCIEX Support 16
Cybersecurity 17
Documentation 17

Introduction 1

Thank you for choosing SCIEX as your trusted system provider. We are pleased to bring you the SCIEX OS software 5.0.1, which supports these systems:

- ZenoTOF 8600 systems, ZenoTOF 7600+ systems, and ZenoTOF 7600 systems
- X500R QTOF systems and X500B QTOF systems
- SCIEX 7500+ systems, SCIEX 7500 systems, SCIEX 6500+ systems, SCIEX 6500 systems, SCIEX 5500+ systems, SCIEX 5500 systems, and SCIEX 4500 systems
- novus V55 systems
- Echo® MS systems, which include a SCIEX Triple Quad 6500+ system and the Echo® MS module
- Echo® MS+ systems with the SCIEX Triple Quad 6500+ system, ZenoTOF 7600 system, ZenoTOF 7600+ system, or ZenoTOF 8600 system
- ExionLC 2.0 systems, ExionLC AE systems, M5 MicroLC systems, and select other LC systems, when bought from SCIEX
- Citrine systems[1], SCIEX 4500MD systems[1], and ExionLC MD systems[1], for *in vitro* diagnostic use

The SCIEX OS software 5.0.1 also lets the user process data that is acquired from SCIEX Triple Quad systems, QTRAP systems, and TripleTOF systems that operate with the Analyst software 1.6.2 or later, Analyst MD software 1.6.2 or later, or Analyst TF software 1.7.1 or later.

This document gives a description of the features in the software. We recommend that users keep these release notes for reference while they become familiar with the software.

Note: Reference numbers for each issue or feature in the SCIEX internal tracking system are shown in parentheses.

[1] Medical Device Registration and Listing for Citrine systems, SCIEX 4500MD systems, ExionLC MD systems, and Shimadzu LC-40 CL systems are pending. Product(s) not available in all countries. For information on availability, please contact your local sales representative or refer to sciex.com/diagnostics. All other products are For Research Use Only. Not for use in Diagnostic Procedures.

New in Version 5.0.1 2

This section gives a description of the changes in the SCIEX OS software 5.0.1. To see the enhancements and corrected issues for an earlier version of the SCIEX OS software, refer to the document: *Release Notes* that came with that version of the software.

Enhancements

- Support for MS Tuning Solution A is added for these mass spectrometers:
  - SCIEX 4500 systems
  - SCIEX 6500+ systems
  - SCIEX 7500+ systems
- Users can copy the audit map settings from the active root directory to a different root directory. This function can be used during the creation of a new root directory or the update of a saved root directory. Refer to the section: Audit Map Enhancements. (BLT-6010)
- A new permission, **Edit calculated column**, controls which users can edit formulas. This permission is automatically given to the Administrator, Method Developer, and Analyst roles. Users without this permission can see the properties of calculated columns but cannot edit them. (ONYX-82173)
- A new document, *Events Reference Guide*, supplies a list of the event codes that are shown in the Event Log workspace, with descriptions and recommended actions. To get the document, go to sciex.com/customer-documents. (BLT-6558)

AB SCIEX Reporter Template Suite 3.2 Components for Office 2024

The SCIEX OS software 5.0.1 includes AB SCIEX Reporter Template Suite 3.2 Components for Office 2024. Templates for the Reporter software can now be edited in Microsoft Office 2024. AB SCIEX Reporter Template Suite 3.2 Components for Office 2024 is installed only if the AB SCIEX Reporter Template Suite 3.2 is installed. For information about how to use AB SCIEX Reporter Template Suite 3.2 Components for Office 2024 to edit templates for the Reporter software, refer to the document: *AB SCIEX Reporter Template Suite 3.2 Components for Office 2024 Release Notes*, available on sciex.com/customer-documents or in the `C:\Program Files\AB SCIEX\ReporterOfficeAddins\TemplateContentControlManager` folder.

Note: If the Analyst software 1.7.4 is installed on the computer where the SCIEX OS software 5.0.1 will be installed, then remove AB SCIEX Reporter Template Suite 3.2 HotFix 1 before the SCIEX OS software 5.0.1 is installed.

Corrections

This release includes corrections for these issues:

- If diode array detector (DAD) data is missing or corrupted, then samples with complete MS data are not processed. (BLT-7541)
- If an MS method with an IDA experiment that was created in an earlier version of the SCIEX OS software is opened in version 5.0 and then saved with the **Save As** command, then an error occurs when the method is opened again. (BLT-8131)
- The SCIEX Control API cannot get the rack information for the Shimadzu SIL-20 autosampler. (BLT-8144)

SCIEX OS - CAC 4.2 Patch

This release also includes corrections for these issues, which were included in the SCIEX OS - CAC 4.2 Patch:

- If the SCIEX OS software is connected to the CAC server and the server is started again, then a connection error occurs the next time that the SCIEX OS software tries to connect to the CAC server. When the SCIEX OS software tries to connect a second time, the connection is completed. (BLT-7985)
- When the CAC software is upgraded from version 4.0.*x* to 4.2, a database migration failure occurs. (ONYX-82915)
- Because of an unexpected exception, audit trail data in the CAC software is temporarily not available. The data is not lost. It is available after the software is closed and then opened again. This error does not occur frequently. (BLT-8050)
- When the user closes the SCIEX OS software, an error is shown that the configuration file has been changed by another program. This error does not occur frequently. (BLT-8102)

Note: Version 5.0.1 must be installed on the CAC server and the computer with the SCIEX OS software installed.

New Permissions

For descriptions of permissions, refer to the document: *SCIEX OS Software Laboratory Director Guide*.

Analytics

- **Edit calculated column**: Make changes to formulas.

Notes on Use 3

- For compatibility information, refer to the document: *SCIEX OS Software Installation Guide*, available at sciex.com/customer-documents.
- For specifications for a computer that is not supplied by SCIEX and for troubleshooting information, refer to the document: *SCIEX OS Software Supplement for Advanced Users*, available at sciex.com/customer-documents.
- Avoid processing a data file in the Analyst software during acquisition by the SCIEX OS software to that data file. Doing so might cause the software to become unstable and data to be lost. (ONYX-8514)
- To keep the Results Table and Peak Review pane consistent, users must use the same level of precision for the retention time for an analyte and the retention time for an internal standard.
- The TOF MS mass range that is used in ZT Scan experiments has an effect on the update rate for the display in the Data Acquisition panel. If the mass range is very high, for example from 60 Da to 40,000 Da, then one or more minutes might be required to update the display. The delay does not have an effect on data acquisition. (ONYX-65290)
- Do not use File Explorer to delete the `common-project-area` folder in the root directory. If this folder is deleted, then audit map templates and related data might be lost. Make a backup copy of this folder before it is changed or deleted. (BLT-8062)

CAC

- The version of the Central Administrator Console (CAC) software that is included in this release supports systems that use the SCIEX OS software 3.0 or later.

LC Devices

- Multiple detectors cannot be used for data acquisition at the same time. (BLT-1146)

ExionLC 2.0 Systems

- If solvent level monitoring is used, then make sure that the current volume is correct, and that the proper warning level and shutdown level are set in the Device Control or Device Details dialog before each batch acquisition. If the current volume must be updated during sample acquisition because the mobile phase is being topped up, then use the solvent levels panel for the pump in the Device Details dialog.
- A sampling rate of only 10 Hz or lower is supported for the ExionLC 2.0 DAD (DAD or DAD-HS) and MWD. An LC method with a sampling rate greater than 10 Hz is not saved.

- When creating a DAD method, make sure that the wavelength for 2D data channels and for the wavelength program are within the wavelength range defined for 3D data mode, even if the 3D data mode is not selected.

ExionLC AC Systems, ExionLC AD Systems, and Shimadzu Systems

- A column oven wait time of 0 means that the oven is READY when it is on. If the wait time is set to 0, then the column temperature set point does not control when injection starts.

Echo® MS Systems and Echo® MS+ Systems

- Because the peaks are narrow, we recommend that the number of transitions be kept to a minimum. For SCIEX Triple Quad 6500+ systems, we recommend that each MRM method have a maximum of four transitions, each with a dwell time of 20 msec, for a total scan time of 100 msec. If a large number of MRM transitions are required, then these guidelines are applicable:
  - In the MS method, adjust the dwell time for each MSMS transition to be a minimum of 20 msec.

    Note: On TOF systems, adjust the accumulation times.

  - Make a note of the total scan time.
  - In the configuration of the AE method, select **Wide** peak mode, and then set the ejection volume and **Rep Rate (Hz)** to the values that are required to get 10 data points with the total scan time in the MS method. For example, use a peak width of 3 seconds with a total scan time of 0.3 seconds.

Echo® MS+ Systems

The Echo® MS+ system has an OPI port wash feature. The following notes are applicable to this feature:

- The default flow rate and duration values for the OPI port wash are applicable for most use cases, wash solvents, and carrier solvents. The default values supply a good starting point for optimization.
- When the OPI port wash completes, the carrier solvent pump continues to supply carrier solvent at the flow rate specified in the last AE method, to prepare the system for acquisition. The pump stops automatically when the mass spectrometer goes to the Standby state.

  During the OPI wash phase, the user can stop the pump manually from the Device Control dialog. To stop the OPI port wash, click **Stop**. The carrier solvent recovery phase completes, and then the pump stops.

  If the OPI port wash stops incorrectly, for example, when the system goes to the Fault state, then the carrier solvent recovery step must be done manually. Do these steps:

1. Select the **Run Only OPI Carrier Solvent Recovery** option.
2. If the carrier solvent recovery does not complete, then click **Clear OPI Wash Fault/s**. On the confirmation dialog, click **Yes**.

Note: To start AEMS acquisition again, clear the Fault status for the OPI wash manually. To make sure that the OPI wash continues to occur correctly, identify and correct the cause of the fault.

Intabio ZT Systems

- To make sure that the mass spectrometer and the Intabio ZT system are synchronized, on the Devices page in the Configuration workspace, select the **Contact Closure** option for the mass spectrometer. If this option is not selected, the mass spectrometer will not wait for a sample to be injected, but will continue with batch acquisition.
- If a failure or error occurs in the mass spectrometer, then the Intabio ZT system gets out of synchronization, and continues to inject samples. If this issue occurs, then stop the batch.
- If a calibration failure occurs, then data acquisition continues. The setting of the **If calibration fails, then proceed to the next sample** option on the Queue page in the Configuration workspace does not have an effect on the behavior.
- If users create new ion reference tables, then to make these ion reference tables available in the **Ion Reference Table** column, they must close the Batch workspace and then open it again.

Agilent Systems

- If an autosampler with a thermostat is installed, then for temperature control to take effect, configure the Variable Temperature Control mode in the device configuration and direct device control.
- If Access Token Required is enabled in the InfinityLab Assist Hub, then click **Allow Access** to connect to the InfinityLab Assist Hub during device configuration.
- To use overlapped injection mode or the Load-Ahead feature, do this:
  1. In the LC method, set a stop time.
  2. Configure the overlapped injection in the LC method, and then in the batch acquisition, select **Enable Load-Ahead**.

Note:

- Overlapped injection mode does not support custom injection programs that use the inject function.
- Batch Automation cannot be used with load-ahead features.
- If the batch contains multiple LC methods, then the load-ahead feature cannot be configured for the batch.

- The steady-inject feature is only applicable for a multisampler with a multiwash hydraulic box and a 100 µL metered device installed. Before the steady-inject feature can be used on the SCIEX OS software 5.0.1, the calibration must be done with the Lab Advisor 2.2 software.

Known Issues 4

Issue	Notes
The Harvard syringe pump goes into Fault status when **Standby** is selected. (ACQ-2193)	To prevent this issue and clear the error, use the Direct Control feature to start the syringe.
SCIEX 7500 systems: Data with a long file path (129 or more characters) cannot be processed with the Analyst software 1.7.2 or later or the Analyst software 1.6.3 with HotFix 5. Also, the file information for such a data file cannot be fully shown in the Analyst software 1.7.2 or later or the Analyst software 1.6.3 with HotFix 5. (AN-2250)	To prevent this issue, use the Analytics workspace in the SCIEX OS software to process the data, or use a shorter file path.
If the Flexera Licensing Server is used for other products, then the SCIEX vendor daemon cannot be run. (BLT-3318)	The Flexera Licensing Server does not let two instances of the same vendor daemon run at the same time on the same server. If the Flexera Licensing Server is used for other, non-SCIEX products, then add the SCIEX vendor daemon and concurrent license to the Flexera Licensing Server.
If a contact closure cable is not used, then in a long method that uses the ExionLC AE PDA Detector, the retention time of peaks is later in the PDA than in the mass spectrometer. (BLT-7341)	To correct this issue, use a contact closure cable.
An audit map migration error is shown when the SCIEX OS software is opened and data cannot be transferred to the network folder. (BLT-7986)	To prevent these issues, give the Windows user the **Log on as a batch user** right: 1. Open the Local Security Policy tool. 2. Go to **Security Settings** > **Local Policies** > **User Rights Assignment**. 3. Double-click **Log on as a batch user**. 4. Add the Windows user, or a group to which the user belongs. 5. Click **OK**.

Issue	Notes
If the window for the SCIEX OS software is not full size, then the  **(Stop or Start the calculation of formulas in calculated columns)** button cannot be seen. (MQ-14918)	To correct this issue, make the window full size or decrease the number of panes that are open.
For TOF MS/MSMS data, if the first sample in a data file contains corrupted or missing UV/DAD data, then the Incompatible Method and Sample dialog is shown during processing, and no DAD/UV data is included in the Results Table. (MQ-15795)	Before the Results Table is created, make sure that the first selected sample in the data file is not corrupted.
In the Explorer workspace, no progress indicator is shown for activities that require more than 3 seconds. (ONYX-57129)	N/A
ZenoTOF 8600 systems: An error occurs during a firmware upgrade from the CONFIG_ZenoTOF-8600_v30_r02 configuration table to the CONFIG_ZenoTOF-8600_v30_r03 configuration table. (ONYX-67545)	Contact an FSE to do the upgrade.
If the name of the data file path is too long, then data that is acquired with automatic compound optimization is not saved to the network. (ONYX-70667)	Make the compound name, project name, or root directory folder name shorter to keep the path to a maximum of 260 characters.
ZenoTOF 8600 systems: If autocalibration is done during the creation of a customized method batch, then a runtime error occurs. (ONYX-72521)	N/A
ZenoTOF 8600 systems: If the path to the data file is long, then failures might occur during acquisition with a ZT scan method. (ONYX-80595)	Keep the number of characters in the path (with the file name) to a maximum of 45.
ZenoTOF 8600 systems: When a TOF MSMS experiment is added to a saved TOF MSMS method that uses EAD	Select the value for the **Zeno mode** field manually.

Issue	Notes
fragmentation, the **Zeno mode** field is empty. (ONYX-82073)	
In a method that uses the MRM^{HR} algorithm with CID and EAD fragmentation modes, if the first transition in the mass table uses CID fragmentation, then EAD fragments are not made. (ONYX-32095)	Make sure that the first transition in the mass table uses the EAD fragmentation mode.

Audit Map Enhancements A

Users can copy the audit map settings from the active root directory to a different root directory.

Copy the Active Audit Map Settings to a Different Root Directory

Use this procedure to copy the audit map settings from the active root directory to a different root directory. The audit map settings include the audit map templates and the default audit map template for new projects.

1. Open the Configuration workspace.
2. Click **Projects**.
3. In the **Current root directory** field, select the root directory that has the audit map settings to copy.
4. Click **Copy Audit Map Templates to a Different Root Directory**.
   The Copy Audit Map Templates to a Different Root Directory dialog opens.
5. In the **Destination root directory** field, select the root directory to change.
   If the selected root directory contains audit map templatess with the same names as audit map templates in the active root directory, then the Duplicate Audit Map Templates Were Found section is shown.
6. If the destination root directory contains duplicate audit map templates, then select one of these options:
   - **Replace the audit map template**: Replace the audit map templates in the destination root directory with the audit map templates from the active root directory.
   - **Keep the audit map template**: Do not copy duplicate audit map templates into the root directory.

   Note: If the **Replace the audit map template** option is selected and an audit map template that is the active audit map for a project is replaced, then the change will not have an effect on the project. To update the active audit map, use the **Apply to Existing Projects** button on the Projects Templates tab on the Audit Maps page in the Configuration workspace to apply the audit map template again.
7. Click **Copy**.

Add a Root Directory That Uses the Active Audit Map Settings

When a new root directory is created, the user can select to use the audit map settings for the active root directory in the new root directory. The audit map settings include the audit map templates and default audit map template for new projects.

1. Open the Configuration workspace.
2. Click **Projects**.
3. In the **Current root directory** field, select the root directory that has the audit map settings to copy.
4. In the **Advanced** section, click  **(Create Root)** adjacent to the **Current root directory** field.
   The Add Root Directory dialog opens.
5. Type the full path to the root directory folder.
   The folder is created.

   Tip! As an alternative, do one of these steps:

   - Click **Browse**, and then select the folder where the root directory will be created. Type \ and the name of the root directory folder at the end of the path.
   - Create a folder in File Explorer, and then browse to and select the folder.

   Note: To process data acquired by the Analyst software, the root directory can be in the `Analyst Data\Projects` folder.
6. (Optional) To copy the audit map settings from the active root directory to the new root directory, select **Copy Custom Audit Map Templates and Default Audit Map Templates from Current Root Directory**.
7. Click **OK**.
   The root directory is created and becomes the current root directory.

Contact Us

Addresses

EC REP	Leica Microsystems CMS GmbH Ernst-Leitz-Strasse 17-37 35578 Wetzlar Germany
UKRP	Leica Microsystems (UK) Ltd 19 Jessops Riverside 800 Brightside Lane, Sheffield S9 2RX, England
	Made in Singapore AB Sciex Pte. Ltd. Blk33, #04-06 Marsiling Industrial Estate Road 3 Woodlands Central Industrial Estate, Singapore 739256
SCIEX Headquarters	AB Sciex LLC 250 Forest Street Marlborough, MA 01752 USA

Customer Training

- Global: sciex.com/contact-us

Online Learning Center

- SCIEX Now Learning Hub

SCIEX Support

SCIEX and its representatives have a global staff of fully-trained service and technical specialists. They can supply answers to questions about the system or any technical issues

that might occur. For more information, go to the SCIEX website at sciex.com or use one of the links that follow to contact us.

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

Cybersecurity

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

Documentation

This version of the document supersedes all of the previous versions of this document.

To see this document electronically, Adobe Acrobat Reader is required. To download the latest version, go to https://get.adobe.com/reader.

To find software product documentation, refer to the release notes or software installation guide that comes with the software.

To find hardware product documentation, refer to the documentation that comes with the system or component.

The latest versions of the documentation are available on the SCIEX website, at sciex.com/customer-documents.

Note: To request a free, printed version of this document, contact sciex.com/contact-us.