Release Notes

SCIEX OS Software 3.4.5

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Contents

Introduction 1

Thank you for choosing SCIEX to supply your system. We are pleased to bring you the SCIEX OS software 3.4.5, which supports the following systems:

- ZenoTOF 7600 and 7600+ systems
- X500R QTOF and X500B QTOF systems
- SCIEX 4500, 5500, 5500+, 6500, 6500+, 7500, and 7500+ systems
- Echo® MS system, which includes a SCIEX Triple Quad 6500+ system and the Echo® MS module
- Echo® MS+ system with the SCIEX Triple Quad 6500+ system
- Echo® MS+ system with the ZenoTOF 7600/7600+ system
- ExionLC 2.0, ExionLC AE, and M5 MicroLC systems, and select other LC systems, when purchased from SCIEX

The SCIEX OS software 3.4.5 also lets the user process data that is acquired from triple quadrupole, QTRAP, and TripleTOF systems that operate with the Analyst software 1.6.2 or later, or the Analyst TF software 1.7.1 or later.

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

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

New in Version 3.4.5 2

This section gives a description of the changes in the SCIEX OS software 3.4.5. 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

Batch Workspace

- Intabio ZT systems: The Batch workspace is updated to support the enhanced calibration feature. This feature requires the Intabio software 1.2.

  Note: The batch automation features (decision rules and automatic report generation) are not supported with the Intabio ZT system.

- A new automatic report generation feature lets users create a report automatically when automatic processing completes after a sample is acquired. The **Decision Rules** button has been replaced by a **Batch Automation** button. This button gives the user access to the decision rules and automatic report generation features.

  Note:

  - Graph scales in automatically created reports are not the same as in reports created in the Analytics workspace. (ONYX-47254)
  - HTML reports cannot be saved to a network location. (ONYX-47550)
  - If the user does not have read access to the local project folder, then a failure occurs during automatic report generation. (ONYX-49234)

MS Method Workspace

- Intabio ZT systems: A new experiment type is available, ZenoTOF MS. This is a TOF MS experiment that uses the Zeno trap to supply increased sensitivity in the analysis of intact proteins.

  Note:

  - The ZenoTOF MS experiment is only available in positive polarity.
  - Guided MRM HR is not available for Intabio ZT systems.

Explorer

- Echo® MS+ systems: A new visualizer for acoustic ejection (AE) data supplies heat maps to help with the analysis of AE data.

Library Workspace

- The SCIEX OS software supports the structured data files (`sdf`) format.
- The library database has been updated for better support of large libraries.

  Note: For optimum performance, make sure that the computer used for library searches meets the requirements in the document: *Software Installation Guide*. If these requirements are not met, then performance might be unsatisfactory.

Devices

- Support has been added for the ZenoTOF 7600+ system. This system gives users access to the ZT Scan experiment type.
- Echo® MS+ systems: Solvent management tasks are available on the Maintenance panel in the Device Control dialog. The user has better control over the solvent selections.

  Note: The SCIEX OS software 3.4.5 requires an update to the firmware for the Echo® MS+ system. A service visit is required to update the firmware.

- A firmware update for the SCIEX 5500+ system increases system sensitivity.
- The SCIEX OS software supports these Shimadzu bioinert modules: SIL-40C XSi, LC-40D XSi, FCV-0206H2i, and FCV-0607H2i.

Corrections

This version includes the corrections for the following issues:

General Issues

- Data files are not deleted after network acquisition is completed. (BLT-5913)
- The software creates temporary (`dmp`) files that fill the disk. (BLT-5483/ONYX-37252)
- The software cannot be upgraded from version 3.3 because the computer does not have sufficient disk space. (BLT-5595)
- The software becomes unresponsive during the creation of a service package. (BLT-5996)
- Data acquired with an RF detector in earlier versions of the software cannot be opened in the Analytics or Explorer workspace. (BLT-6223)

- Data acquired with polarity switching in the Analyst software cannot be opened in the Analytics or Explorer workspace. (BLT-6276)

Issues in the Analytics Workspace

- In reports, the chromatograms might show two decimal places for retention time. (BLT-5997)
- If the file folder that was last used to import a formula is not available, then an error is shown. (BLT-6022)
- If a component name in the library is the same as the component name in the Analytics workspace and the matching score is less than 100%, then an error is shown. (BLT-6025)
- If the language for the SCIEX OS software is Japanese and the **For Each Statistic** tag is included in the report template, then an error is shown. (BLT-6045)
- Users can overwrite a saved Results Table. (BLT-6163)
- If the input value in a conditional lookup row is empty, then an incorrect value is shown in the conditional lookup column in the Results Table. (MQ-11207)
- If a filter is applied to a column, then an issue occurs when the user tries to change the number format for that column. (MQ-11876/MQ-12697)
- If the regional settings on the computer are changed before the SCIEX OS software is installed and the user uses the dot (.) as a decimal separator, then the results are not correct after the integration parameters are changed in the Peak Review pane and then saved. (ONYX-33134/MQ-13170)
- When the user cancels the processing of a large sample, the temporary text output files are not deleted. (ONYX-40785)

Issues in the Batch Workspace

- Although the **Auto Increment** check box is cleared, if a batch is created with the  **(Quick Batch)** command, then the **Vial position** increases in increments. (BLT-5658)
- If the **Data File**, **Processing Method**, or **Results File** column is empty for some rows in the batch, but they contain a file name in other rows, then an error message is not shown when the batch is submitted. (ONYX-40474)
- After the language for the user interface is changed to a language other than English, the widths of the columns in the Batch workspace grid are decreased to a minimum. (SXOSLNT-900)

Issues in the Configuration Workspace

- If the **Instrument idle time** is too high, then the software does not open. (BLT-6183)

Issues in the Explorer Workspace

- `mol` files cannot be opened and used for MS/MS annotation. (BLT-5895)

Issues in the MS Method Workspace

- If the user changes source parameters during a ramping step, then the SCIEX OS software becomes unresponsive or shows an error. (ONYX-40434)
- X500 QTOF and ZenoTOF 7600 systems: The user can change the ion transmission coefficient (ITC) mode during manual acquisition. (ONYX-40506)
- When the user creates an information-dependent acquisition (IDA) method and then starts manual acquisition, the source and gas parameters are available to be changed. (ONYX-40993)

Issues in the MS Tune Workspace

- In the German user interface, the CXP Optimization options are not shown. (BLT-6336)

Issues in the Queue Workspace

- Selected samples cannot be cleared from the queue. (BLT-5970)

Issues for Echo® MS and Echo® MS+ Systems

- Echo® MS+ systems: In the Device Control dialog, during direct injection, if the **Peak Type** is changed from **Wide** to **Standard**, then the **Rep Rate (Hz)** is not updated. (OPP-934)
- Echo® MS+ systems: In the SCIEX Data API, if the mass index supplied for an MRM extracted ion chromatogram (XIC) is out of range, then the message shown is not correct. (SXOSLNT-3140)
- Echo® MS and Echo® MS+ systems: When a Results file is created, columns related to ejection time are not shown. (MQ-12741)

Device Issues

- Shimadzu autosamplers: The user cannot set the injection volume to more than 999 µL. (BLT-6209)
- M5 MicroLC and M5 MicroLC-TE systems: The software does not validate the setpoint for the **First, establish a column pressure of ## psi** field in the LC method. (MRC-451)

Issues in the SCIEX OS to Analyst Software Method Converter

- When a method is converted from the SCIEX OS software to the Analyst software, the maximum dwell time and collisionally activated dissociation (CAD) values in method in the

SCIEX OS software are different than the values in the method in the Analyst software. (ONYX-35963)

Notes on Use and Known Issues 3

Note: For compatibility information, refer to the *Software Installation Guide*.

Notes on Use

- Regulated customers: We recommend that, if user management settings are imported after software validation, then customers follow their internal change control process to document the configuration changes.
- MultiQuant software files (`qmethod`, `qsession`, and `cset`) cannot be opened or used in the Analytics workspace of the SCIEX OS software. However, methods made in the MultiQuant software that have been exported to a text file can be imported into the Analytics workspace.
- For non-targeted workflows, the Results Table should be limited to 150,000 rows. The performance of the SCIEX OS software degrades significantly when Results Tables exceed this size.
- 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)
- During the transfer of data to the Watson LIMS, the user must wait for the transfer to complete successfully. After the transfer is complete, the user must click **Confirm** in the SCIEX OS software. If the user clicks **Confirm** before the transfer is complete, then the transfer status is shown as `Failed`.

Network Acquisition

- If the ClearCore2 service is interrupted during network acquisition, then the partial sample data for the sample under acquisition at the time of the interruption is not written to the data file. If the service is interrupted during local acquisition, then the partial sample data is written to the data file but is marked as corrupted. Any auto-triggered processing and decision rule processing also fails if the ClearCore2 services is interrupted.
- The following methods let the user view data in real time in the Explorer workspace during acquisition to a network resource (DS-1873):
  - Open the Data Acquisition panel at the bottom of the SCIEX OS window.
  - In the Queue workspace, open the sample being acquired by double-clicking it.

  Note: If the sample is left open in the Explorer workspace, then the following message is shown after the sample has been moved to the network resource: `File not found message`.

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.
- Multiple detectors cannot be used for data acquisition at the same time. (BLT-1146)
- 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, ExionLC AD, 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 injection starts before the column reaches the set temperature.

Echo® MS and Echo® MS+ Systems

- When an MS method is created, the **Spray voltage (V)** defaults to 4500 V.

  Note: We recommend that a value of 5000 V or less be used, to maximize the life span of the open port interface (OPI) electrode assembly.

- Because the peaks are narrow, we recommend that the number of transitions be minimized. We recommend that each MRM method have a maximum of four transitions, for a scan time of 100 msec.
- The user must not use the same data or Results file name in multiple batches. Always use a new data and Results file in each new batch.
- Values entered in the **Injection Volume** column in the Batch workspace do not replace the ejection volume specified in the AE method.

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 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.

SCIEX OS to Analyst Software Method Converter

- If a method made in the Analyst software has a value for the fixed fill time parameter that is not equal to 1 and is converted for use in the SCIEX OS software, then the fixed fill time parameter is converted. However, the fixed fill time parameter is ignored by the SCIEX OS software. As a result, the intensity (TIC or spectrum) is different in the SCIEX OS software than in the Analyst software.
- After the conversion of an MS^3 method that was made in the Analyst software, we recommend that the AF2 parameter be optimized for the compound of interest.

General Issues

Issue	Notes
SCIEX 7500 systems: Data with a long file path (129 or more characters) cannot be processed using the Analyst software 1.7.2 or the Analyst software 1.6.3 with HotFix 5. In addition, the file information for such a data file cannot be fully shown in the Analyst software 1.7.2 or the Analyst software 1.6.3 with HotFix 5. (AN-2250)	To avoid this issue, use the Analytics workspace in the SCIEX OS software to process the data, or make sure to use a shorter file path.
When the SCIEX OS software runs unattended, it shows an error dialog. (ONYX-40401)	Click **Yes** to close the dialog. The SCIEX OS software stays open, and no data is lost.

Installation Issues

Issue	Notes
The ExionLC 2.0 system driver is removed during the software upgrade. (TPUB-2124)	After the upgrade is complete, install the ExionLC 2.0 system driver again.
If devices are configured, then the SCIEX OS-Q and SCIEX OS-MQ software do not open. (ONYX-40063)	This issue occurs if the SCIEX OS software is installed with the acquisition module, and devices are configured, and then the SCIEX OS software is removed and installed with just processing modules. To resolve the issue, follow these steps: 1. Remove the SCIEX OS-Q or SCIEX OS-MQ software. 2. Install the SCIEX OS software, and then delete the configured devices. 3. Remove the SCIEX OS software. 4. Install the SCIEX OS-Q or SCIEX OS-MQ software.

Devices Issues

Issue	Notes
The Harvard syringe pump goes to the Fault state when **Standby** is selected. (ACQ-2193)	To avoid this issue and clear the error, use the Direct Control feature to start the syringe.
The user cannot start the syringe pump when the mass spectrometer is in the Standby state because the  **(Direct device control)** button for the syringe pump is not active. (BLT-2698)	Start data acquisition or a tuning procedure to make the  **(Direct device control)** button active.
Information is missing on the Device Details dialog for the LC system. (ON-2069)	This issue occurs if the Windows region settings are set to a format other than **English (United States)**. To avoid this error, configure Windows following the instructions in the document: *Software Installation Guide*.
When the Remote Desktop application is used to access the acquisition computer, the following issues might occur: • In the LC Method workspace, some parameters are not visible. • On the Detailed Status dialog for an LC system, some LC parameters are not visible. (ONYX-7153/ONYX-8185)	This issue occurs when the user disconnects and reconnects the Remote Desktop session without logging off of the acquisition computer. It occurs if the computer running Remote Desktop is configured with **Make everything bigger** set to more than 100% in the Windows Display settings. To resolve the issue, set **Make everything bigger** to 100%.
Devices do not shut down when the acquisition computer is shut down. (ONYX-7677)	Shut down devices before shutting down the acquisition computer.
When a contact closure is being used, if the MS method and the valve method end at the same time, then the diverter valve is not changed to the position defined in the time table at the end of the run. (ONYX-7952)	Do not set the valve position at the end of the method time table.

Issue	Notes
The SCIEX OS software does not automatically start and stop an external syringe pump during tuning. (ONYX-8459)	Stop and start the syringe pump manually before beginning the tuning procedure.

Agilent LC System Issues

Issue	Notes
High throughput settings are not supported in the autosampler. (ACQ-529)	The high throughput settings are not currently supported.
When the pump pressure exceeds the maximum configured in the LC method, the pump status does not change to Fault. (ACQ-1712)	The flow stops until the pressure reaches the configured maximum, and then resumes until it reaches the maximum again. The pump status does not change. Adjust the flow rate in the LC method.
The comma is ignored as a decimal separator when the flow rate in the LC gradient grid is copied. (ACQ-2191)	This is an issue with the Agilent LC. To avoid this issue, manually type the flow rate, using a comma as the decimal separator.

Echo® MS and Echo® MS+ System Issues

Issue	Notes
When consecutive batches save data to the same data file, peak splitting is unsuccessful, and automatic processing fails. (ONYX-6904)	Peak splitting is performed after data is acquired. If a subsequent batch is acquiring data to a file while the system is splitting peaks written to that file during the previous acquisition, then a resource conflict occurs. To avoid this issue, write data from each batch to a separate data file.

Issue	Notes
The following limitations apply: • Decision rules do not work properly with an Echo® MS or Echo® MS+ system. • An LC system cannot be used in a configuration with an Echo® MS or Echo® MS+ system. • The MS Tune workspace cannot be used for an Echo® MS or Echo® MS+ system that is used with a SCIEX 6500+ system. (ONYX-10636)	• Do not use decision rules when an Echo® MS or Echo® MS+ system is configured in SCIEX OS. • Do not activate an LC system when an Echo® MS or Echo® MS+ system is active. • Do not do tuning in the MS Tune workspace when an Echo® MS system is active. Use the IonDrive Turbo V ion source and the related probe to tune the SCIEX 6500+ system.
The **Est. Start Time** in the Queue workspace is not updated for AE samples. (OPP-421)	This is a user interface issue only. System functionality is not affected
When entries are deleted in the Plate Layout dialog, the rows are not deleted from the Batch workspace, and some fields stay. (OPP-826)	To delete the rows, select them, and then right-click and click **Delete Rows**.

ExionLC 2.0 System Issues

Issue	Notes
Pump: Intermittently, the pump goes offline. (ONYX-35050)	Turn the pump off and then on.
Diode array detector (DAD): Intermittently, the detector goes offline. (ONYX-35053)	N/A
Intermittently, when the ExionLC 2.0 system is in operation, device activation does not complete, and the software shows that the device is offline. (ONYX-35054)	Turn the pump off and then on.

Issue	Notes
Intermittently, if an ExionLC 2.0 system is configured on the Devices page in the Configuration workspace, device activation does not complete. (ONYX-37665)	Try to activate the devices again.
ExionLC 2.0 Autosampler: If the **If a sample is missing, then proceed to the next sample** check box is selected and a vial is missing, then the autosampler does not use the vial after the missing vial. (ONYX-38092)	N/A

ExionLC AC, ExionLC AD, ExionLC AE, and Shimadzu LC System Issues

Issue	Notes
When a hardware profile with a PDA detector is activated, the detector defaults in the LC method are different between a newly created LC method and an opened LC method that was previously created with the same LC but without a PDA detector activated. (ACQ-2176)	To avoid any issues, make sure that the correct parameters are used for the PDA device.
If the rinse solvent is set to **None** at the start or end of a rinse cycle, then rinsing does not occur. (BLT-1212)	Make sure that the first and last solvents in the rinse cycle have a value other than **None**.
After the system goes to the Standby state, or after it is deactivated, the temperature reverts to the temperature that was set in the last equilibration procedure or LC method. (BLT-2300)	N/A
Shimadzu LC-40 systems: Content in fields in LC methods that are automatically populated does not print in reports. (BLT-2850)	Replace the automatically populated content by typing in values.

Issue	Notes
Nexera Mikros systems: The LC pump does not go into the Fault state when the maximum pressure limit is reached. (ONYX-7794)	N/A
Nexera Mikros systems: The LC pump is incorrectly identified as an LC-20AB pump in the device configuration. (ONYX-8030)	The LC system performance is not affected, but the pump is incorrectly identified in data files, logs, and audit trails.
Shimadzu LC-40 systems: In the Plate Layout dialog, if the user is configuring a rack type with multiple plates, then when the user finishes configuring a plate and selects the next plate, the name of the configured plate changes to **<Unassigned>**. (ONYX-8441)	Save the batch and open it again, to show the plate names correctly in the Plate Layout dialog.
Nexera Mikros systems: If the user sets the flow rate for the LC pump to a value outside the valid range, the driver sets the flow rate to the minimum or maximum value, whichever is nearest. No notification is shown in the SCIEX OS software. (ONYX-18416)	N/A
Nexera Mikros systems: The SCIEX OS software does not show the actual flow rate for the LC pump. (ONYX-18418)	View the flow rate on the front panel of the pump.
Shimadzu systems: If the injection volume specified by the user is invalid, then the sample fails, but the SCIEX OS software does not show an error message. (ONYX-19857)	If a sample fails, then make sure that the injection volume is valid.
Shimadzu systems: The autosampler does not inject sample, and the autosampler status changes from `Waiting for Oven` to `Running`. (ONYX-31947)	To prevent this issue: • Do not change the column oven temperature in the batch. • If different batches contain LC methods that require different column temperatures, then use a single-sample batch between the batches to change the column temperature.

Issue	Notes
Shimadzu systems: An error message is shown when the user opens an LC method after the SIL-40 autosampler is replaced with an ACMP autosampler. (ONYX-32320)	Make a new LC method for the new configuration.
Shimadzu LC-40 and ExionLC AE systems: There is no time-out for non-fault messages. (ONYX-32741)	User action is required when a non-fault message occurs. For example, if an `AS: No Rack` message is shown, then the user must close the autosampler drawer or abort the method.
Shimadzu Nexera XS Inert systems: If the user changes the serial number of the system controller and then activates the system, the system does not go into the Fault status. (ONYX-47488)	N/A
Shimadzu Nexera XS Inert systems: The system continues to operate after a network cable is disconnected. (ONYX-47489)	Connect the power cable, and then turn the system off and then on.

M5 MicroLC and M5 MicroLC-TE System Issues

Issue	Notes
If the column oven is configured in the Devices workspace, but it is not physically connected to the gradient pump, then acquisition stays in the Equilibration or Loading states. (MRC-397)	Make sure that the column oven is physically connected to the gradient pump.
Changes made to the tray configuration are shown in the Batch workspace after the devices are activated. (MRC-435)	After making changes to the tray configuration, deactivate and then activate the devices in the Configuration workspace.
Values specified in **Direct Control** are not kept. (MRC-429)	N/A
The autosampler stays in Ready state if the connection to the system is lost. (MRC-444)	N/A

Issue	Notes
When a new Trap Elute LC method is made, the **LC Pump for Analytical Separation** field stays empty until after the method is saved. (MRC-450)	N/A
The gradient graph in the LC Method intermittently shows incorrect graphs and legends. (MRC-452)	Close the LC method and then open it again.

Waters LC System Issues

Issue	Notes
If customers acquire data with the Waters Acquity system in the SCIEX OS software, then they cannot process the data in the Analyst software. (BLT-5087)	The Analyst software does not support the number of characters in the **Rack Code** stored in the data file. Use the SCIEX OS software to process data acquired with a Waters Acquity system.
LC device properties and method information are missing from the Sample Information pane shown in the Explorer workspace. (ONYX-11604)	N/A
Parameters in LC methods are not saved if Waters Support Layer 1.1 is being used. (ONYX-20524)	Upgrade to Waters Support Layer 1.2.
An LC method cannot be created if another LC method is open. (ONYX-21110)	If an LC method is created when another LC method is open, then the window for the new LC method is empty. Close all other LC methods. The window for the new LC method is updated to show the method parameters.

Acquisition Issues

Issue	Notes
X500 QTOF and ZenoTOF 7600 systems: For MRM^{HR} algorithm methods, the Mass Table columns do not print. (ACQ-2611)	Not all of the columns shown in the UI are shown in printouts of the method when the user does the following: 1. Create an MRM^{HR} algorithm method. 2. Add a scan schedule. 3. Select to show the advanced parameters. 4. Save and then print the method. To avoid this issue, change the paper size to a size larger than Letter size.
Inconsistent behavior occurs during imports from an acquisition method and from a processing method, resulting in unreliable qualification results. (BLT-284)	Information imported from an acquisition method has a mass accuracy to two decimal places. Formulas used to calculate mass accuracy in a processing method produce results to four decimal places. Therefore, this might cause inconsistent results between the two methods.
Real-time updates for the DAD panel might be slower than the response time chosen in the method. (DS-853)	To avoid this issue, either reduce the frequency of the DAD acquisition or inspect the data after the acquisition has completed.
ZenoTOF 7600 systems: No data is acquired in EAD fragmentation mode. (MSCS-2527)	If EAD fragmentation is used, then the accumulation time must be equal to or greater than the reaction time. If it is not, then no data is acquired. To resolve the issue, increase the accumulation time.
X500 QTOF and ZenoTOF 7600 systems: Negative mass defect values are shown with the incorrect sign in the Mass Defect IDA criteria. (MSCS-2537)	The algorithm selects the correct precursors, so the acquired data is correct.
When the user prints a batch to `pdf`, any numeric values, in either column headings or body cells, are missing from the document. (ONYX-2236)	Print to the XPS format.
Multiple periods are not supported in MS methods. (ONYX-4185)	N/A

Issue	Notes
When the user pastes a row over an existing row in the Batch workspace, the content is not pasted correctly. (ONYX-6083)	To avoid this issue, instead of pasting over an existing row, insert an empty row and paste the new content in it. Then delete the existing row.
When the `Acquisition Methods` folder contains a corrupt MS method, then no MS methods are available for selection in the **MS Method** column in the Batch workspace. (ONYX-6795)	If the list of MS methods is empty, then find and delete the corrupt method.
In the Queue workspace, samples that are re-injected as the result of decision rule processing show ***Embedded Method**** in the **Processing Method** column, instead of the name of the processing method associated with the original sample. (ONYX-6896)	When the first sample is processed, the Results file is created and the processing method specified in the **Processing Method** column is embedded in the new Results file. Therefore, the embedded method specified for the reinjected sample is the same as the processing method specified for the first sample.
If the acquisition computer is being controlled by Windows Remote Desktop while acquiring IDA data, then acquisition performance might be slow, resulting in the loss of data points. (ONYX-7491)	Do not use Remote Desktop to control the acquisition computer while acquiring IDA data.
An error occurs when the user attempts to print a method to a `pdf` file that is currently open. (ONYX-7813/ ONYX-8204)	Close the `pdf` file before printing the method, or save the file with a different file name.
SCIEX 7500 systems with the QTRAP license activated: A default value for AF2 cannot be set for MS^3 experiments in negative polarity. (ONYX-8041)	When the user sets a default value for AF2 for MS^3 experiments in negative polarity, the default value is not saved. To save a default value for AF2 in negative polarity, first configure positive polarity with the AF2 value required for negative polarity. Then change to negative polarity and save the default values.

Issue	Notes
An MS method that uses the Scheduled MRM (sMRM) algorithm can be saved with an invalid method duration. (ONXY-8443)	The **Duration** for an MS method that uses the sMRM algorithm might become invalid if the scan time is too large. If the user attempts to save the method, then an error message is shown, and the **Duration** field contains an error icon. If the user specifies a valid method duration, changes the duration back to the incorrect method duration, and then saves the method, then the method is saved successfully. Make sure to determine the correct method duration before saving the method.
ZenoTOF 7600 systems: Cycle time is reported differently in the SCIEX OS and PeakView software. (ONYX-10623)	N/A
ZenoTOF 7600 systems: TOF Mass Calibration parameters shown for the sample in the `wiff` file do not match the parameters shown in the `wiff2` file. (ONYX-11356)	Calibration parameters are recorded differently by the Analyst TF software and the SCIEX OS software. The `wiff` file follows the Analyst TF software model.
X500 QTOF and ZenoTOF 7600 systems: The user can enter non-integer values in the **For** field for **Exclude former candidate ions**. (ONYX-11383)	Non-integer values are replaced by 0 on saving and reopening the method, but the data is acquired correctly, with the non-integer value taken into account.
In **Guided MRM** > **MRM Infusion**, the source and gas parameters on the Set Initial Conditions page revert to the default values when the user clicks **Start**. (ONYX-15218)	Set the parameters again.
When the user opens or imports a batch that contains manually added components, the manually added components might be lost for samples that are not standards or QCs. (ONYX-16466, ONYX-16467, ONYX-16474)	After opening or importing a batch with manually added components, review it carefully to make sure that all components are present.

Issue	Notes
When High Mass mode methods are converted to Low Mass mode, the method cycle time increases. (ONYX-18158)	Reduce the dwell time to compensate.
If the Mass Table is sorted, then the sMRM Plots dialog does not update dynamically when a transition is selected in the Mass Table. (ONYX-19154)	To enable dynamic updating of the sMRM Plots dialog, turn off sorting.
The sMRM algorithm method created in the SCIEX OS software 1.6.10 cannot be opened in the SCIEX OS software 3.4.5. (ONYX-20552)	1. Configure the device with a different ion source than the one used in the MS method, such as the Turbo V ion source. 2. Open the MS method and save it again. 3. Configure the device with the original ion source. 4. Open the MS method again.
If the imported retention times for components that belong to the same **Group ID** are different in sMRM or Scout triggered MRM (stMRM) algorithm experiments, then a validation error is shown. After the user updates the retention times manually to make them the same, the validation error persists. (ONYX-20987)	Imported retention times have a different decimal precision than retention times that are typed manually in the Mass Table. Instead of typing the retention time, either copy and paste the retention time, or use the Fill Down feature.
If a batch is submitted using the Load Ahead feature, then the queue stops when it encounters a missing vial, regardless of the missing sample state selected in the queue configuration. (ONYX-21006)	During Load Ahead processing, the queue always stops during a missing sample event. Start the queue by clicking **Start**.
If an MS method is saved while it is running, then the buttons in the MS Method workspace do not respond after the method finishes running or is stopped. (ONYX-21052)	Close the method and then open it again.

Issue	Notes
QTRAP 6500+, 6500, 5500, 5500+, and 4500 systems: When a `wiff` file acquired by the SCIEX OS software that contains IDA data is opened in the Explorer workspace in the Analyst software, an error message is shown. (ONYX-21511)	N/A
The wiff file saved by the SCIEX OS software does not contain the mass parsing information that is included in the wiff2 file. (ONYX-22804)	N/A
After the user deletes the first experiment in an MS method containing multiple Scheduled MRM (sMRM) or Scout triggered MRM (stMRM) algorithm experiments, the sMRM Plots dialog is not refreshed when changes are made to the Mass Table. (ONYX-23756)	Close and open the sMRM Plots dialog each time a refresh is required.
In simulation mode, the time on the X-axis of the Data Acquisition panel is not correct. (ONYX-31290)	N/A
When samples are acquired again with the **Reacquire samples** command in the queue, autotriggered processing is not completed. (ONYX-33142)	N/A
In an AE method that uses wide peak mode, an interval of 3000 ms, and an increased total cycle time, batch acquisition and peak splitting are not completed. (ONYX-34509)	N/A
Triple quadrupole and QTRAP systems: If the user changes the values for **CE spread (V)** or **Settling time (ms)** in the default settings and then creates a new method, then the changed values are not used. (ONYX-35163)	Change the values in the new method.
If a target list is in use, and the target list is on a network drive, then the user cannot acquire data. (ONYX-40311)	To prevent this issue, save the target list on a local drive.

Issue	Notes
X500 QTOF and ZenoTOF 7600 systems: If an incorrect precursor ion is used with Guided MRM^{HR} in guided mode, then DP optimization does not complete. (ONYX-40658)	Make sure that the precursor ion is valid.
X500 QTOF and ZenoTOF 7600 systems: If the user starts manual acquisition with a TOF MSMS or MRM^{HR} algorithm method, then the **Zeno threshold (non-IDA) (cps)** check box is not available. (ONYX-40994)	N/A
SCIEX 4500, 5500, 5500+, 6500, 6500+, 7500, and 7500+ systems: If second-level criteria are added for a looped IDA experiment, then the dwell times for the transitions change. (ONYX-42978)	Correct the transitions after adding the second-level criteria.
ZenoTOF 7600/7600+ systems with the Intabio ZT system: The Guided MRM^{HR} workflow is not supported. (ONYX-45080)	N/A
Central Administrator Console (CAC): The **Batch Automation Status** column is not shown in the Central Monitoring workspace. (ONYX-49640)	N/A

MS Tune Workspace Issues

Issue	Notes
ZenoTOF 7600 systems: If the mass spectrometer is turned off within about 5 minutes after calibration is completed in the MS Tune workspace, then the calibration settings are lost and the previously saved calibration settings are restored. (MSCS-2627)	Do the tuning procedure again.
Intermittently, if the SCIEX OS software is idle for an extended period, then the controls in the MS Tune workspace become unavailable. (ONYX-30669)	Deactivate and then activate the devices in the Devices workspace.

Analytics Workspace Issues

Issue	Notes
The SCIEX OS software becomes unresponsive when processing a `wiff` file on a network location while the Analyst software, running on a different computer, is acquiring data to that file across a network. (BLT-2873)	The SCIEX OS software does not support this workflow.
The software is unresponsive when PDFactory and the Positive Hit template are used to create a protected `pdf` report from a Results Table that contains more than 2,500 rows. (MQ-1896)	Creating the report can take some time. The PDFactory progress window, which is always shown in the background, shows that the `pdf` creation is in progress. Users can minimize all of the windows, including the SCIEX OS software, to view the PDFactory progress window.
The **IS Name** cannot be pasted in the Components table in the Method Editor. (MQ-2193)	To avoid issues, either manually select the **IS Name** or paste the **IS** column separately.
When the AutoPeak integration algorithm is used on UV, DAD, or ADC data, the model can take a very long time to build before processing. (MQ-4421)	Do not use the AutoPeak integration algorithm for UV/DAD/ADC data that has poor peak shape.
Processing methods created in the MultiQuant software that contain SWATH acquisition data with fragment information cannot be imported into the SCIEX OS software. (MQ-6147)	Add the fragment information manually.

Issue	Notes
In the Mass Reconstruction workflow, signal-to-noise (S/N) values reported in the Results Table are not calculated correctly for reconstructed peaks. (MQ-7073)	To calculate S/N, open the average *m/z* spectrum in the Explorer workspace, perform manual reconstruction, and then calculate S/N on the target peak. **Note:** This workaround requires the Bio Tool Kit license. 1. Select the Average spectrum in the Peak Review pane. 2. Click  **(Open data exploration to view real time data)**. 3. Click **Bio Tool Kit** > **Reconstruct Protein**, enter a resolution value, specify the reconstruction parameters, and then perform reconstruction. 4. Calculate S/N manually. Refer to "Show the Graph Selection Information" in the document: *Software User Guide*.
The **Percent CV** shown in the Statistics pane is different than the percent CV calculated with the **GETSTAT** function. (MQ-8211)	The **GETSTAT** function uses the **Actual Concentration** values to identify replicates, but the Statistics pane uses the **Actual Concentration** values after the user-specified **Number Format** is applied. If the **Number Format** is set to `0.00`, for example, then a concentration of 5.001 will be treated as 5.00 in the Statistics pane.
The software does not support flagging rules based on the **Outlier Reasons** column or on calculated columns based on the **Outlier Reasons** column. (MQ-8295)	Do not create flagging rules that use the **Outlier Reasons** column.
The **Acquisition Date & Time** column is not processed properly in formulas. (MQ-8662)	Do not use the **Acquisition Date & Time** column in formulas.

Issue	Notes
When a processing method is created with the **Results** > **New** command, if the processing method uses the MQ4 or Summation algorithm and the reference sample is changed on the Workflow page, then the Integration page is not updated. (MQ-10287)	N/A
In the processing method editor, the **Print** button might become inactive for a saved method when the user moves between sections or between components in the Integration section. (MQ-10356, MQ-10583)	To prevent this issue, print the method from the Workflow section before going to another section. If the issue occurs, then save or close the method, open the method again, and then print the method.
If a user prints a method that is being edited but has not been saved, then the printout contains the last saved version of the method. (MQ-10758)	To print the active method, first save it.
If the name of a formula or custom column contains square brackets ([ ]), then a error message is shown. (MQ-10868, MQ-11216)	Do not include square brackets in the names of formulas or custom columns.
Reference spectra cannot be viewed in the Analytics workspace or the LibraryView software after the installation of the SCIEX OS software. (MQ-11242)	Stop the LibraryView service and then start it again.
After the user changes the regional settings, the software does not update the number format in custom formulas to the format for the new region. (MQ-11349)	Example: The following custom formula is made with the German regional settings: `IF([Retention Time] = 1,3`. Then, the regional settings are changed to English. The custom formula is not updated
The number format for a calculated column changes back to the original value after reprocessing. (MQ-11804)	This issue occurs after this sequence of events: 1. The number format for a calculated column is changed. 2. The formula for the column is changed. 3. The data is reprocessed.

Issue	Notes
If the sample name is changed to a space, then an error occurs. (MQ-12757)	N/A
If the name of a combined custom rule is the same as the name of a calculated column, then the contents of the calculated column are overwritten during processing of the flagging rules. (MQ-13160)	This issue occurs when a combined custom rule that was added on the Flagging Rules page has the same name as a calculated column that was added on the Calculated Columns page. It also occurs when a flagging rule and calculated column that were imported into a method have the same name.
A validation error occurs for the **Formula Finder Results** column. (MQ-12950)	N/A
Data cannot be imported from a LIMS into a Results Table with custom columns, and data cannot be exported from a Results Table with custom columns to a LIMS. (ONYX-15730)	N/A
The ChemSpider database cannot be accessed with a proxy server. (PV-632)	N/A

Explorer Workspace Issues

Issue	Notes
The error `The requested action could not be completed. Make sure your data is complete and all fields contain appropriate values` is shown in the Formula Finder. (BLT-1423)	This error occurs if the structure for the selected ion, as predicted by Formula Finder, is not included in the list of positive ions on the Elemental Composition tab of the Formula Finder Settings dialog. For example, for the ion at *m/z* 1004, Formula Finder matches to (M+NH4)+. If this ion is not included in the list of positive ions to search for, then an error occurs when no matches are found.
When data for a looped Scout triggered MRM (stMRM) algorithm experiment is opened in the Explorer workspace, if the intensities of the transitions are zero (that is, true signal or not triggered), then the XICs for the dependent transitions are blank. (ONYX-19875)	Even though the data for the dependent tranisitions is not shown in the Explorer workspace, it has been acquired. This is a display error only.

Issue	Notes
In a looped experiment that contains experiments with the same polarity but different resolution settings, information shown in the calibration table is incorrect in the Sample Information pane. (ONYX-21279)	In the Sample Information pane, the calibration and resolution table for the second experiment is also shown for the first experiment. The correct information is recorded in the audit trail.

Reporter Issues

Issue	Notes
In the UV MS Qual Report template, the following message is shown for the **Peak Review UV** tag: `Picture: Peak Review UV is empty`. (BLT-3293)	The picture is shown correctly in the report.
If the **For Each Sample** tag is removed from a report template, then it cannot be added back. (RPT-21)	Create the report again.

Audit Trail Issues

Issue	Description
When the **Active user or group** check box is selected or cleared for a user, an audit trail record is not created. (ONYX-40577)	N/A

Library Workspace Issues

Issue	Notes
When very large spectra are added to the LibraryView software database, the software might remove a duplicate compound name. (BLT-3291)	Do not add spectra with more than 5,000 points.

Method Converter Issues

Issue	Description
When High Mass mode methods are converted to Low Mass mode, the method cycle time increases. (ONYX-18158)	Reduce the dwell time to compensate.
When data acquired by the SCIEX OS software with a converted method is opened for processing in the ProteinPilot software, the name of the instrument model shown in the data is the name of the instrument model from the original method. (ONYX-30799)	Because all instruments use the same processing parameters, the results are correct.
If a method that uses the Scheduled MRM (sMRM) algorithm without triggering is converted from the SCIEX OS software to the Analyst software, then triggering properties are added. (ONYX-35443)	After the method is imported, change the properties in the Analyst software.
If a method with a discrete CE in the Analyst software is imported into the SCIEX OS software, then the discrete CE property is not imported. (ONYX-39194)	After the method is imported, configure the discrete CE properties in the SCIEX OS software.

Licensing Server Issues

Issue	Description
If the Flexera Licensing Server is being used for other products, then the SCIEX vendor daemon cannot be run. (BLT-3318)	The Flexera Licensing Server does not allow the same vendor daemon to run simultaneously under different instances on the same server. If the Flexera Licensing Server is being used for other, non-SCIEX products, then add the SCIEX vendor daemon and concurrent license to the existing Flexera Licensing Server.

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