



SCIEX OS software

Usability, efficiency
and integrity across
your entire lab.

Power all your workflows on all systems, on a single software platform. Make more informed decisions, faster, with intelligent automation algorithms. Power up accuracy, precision and consistency with complete data integrity.

SCIEX OS software

Acquisition

Batch

Queue

MS Method

LC Method

MS Tune

Processing

Explorer

Analytics

Marker View

Molecule Profiler

Biologics Explorer

Management

Configuration

Library

Event Log

Audit Trail



The Power of Precision

True usability

No matter what the task, SCIEX OS software delivers a seamless experience. Acquire, process, and interpret your data within a single platform.

- All the tools you need in one place, for routine testing or the most complex workflows
- Intuitive and user-friendly design facilitating mass spectrometry implementation
- Customizable interface and security management for both, regulated and non-regulated laboratories
- Built-in automation tools optimizing your time to results for all your quantitative and qualitative workflows

PROCESSING

Powerful data analysis tools for rapid data processing at high levels of reliability and confidence.

MANAGEMENT

Organize your data securely and compliantly. Customize your hardware, software and user settings to fit requirements.

LANGUAGES

The user interface is now configurable for Simplified Chinese, Japanese, Korean, German, Italian, French, Portuguese and English.



ACQUISITION

Manage your hardware, methods, sample batches and runs, in a few clicks.

MARKERVIEW

MarkerView incorporation now makes it easier to perform statistical analysis and explore statistical correlations with direct connections back to the raw data quickly.

MODULARITY

Enhance the power of SCIEX OS includes direct access to Molecule Profiler and Biologics Explorer software.



Scout triggered MRM

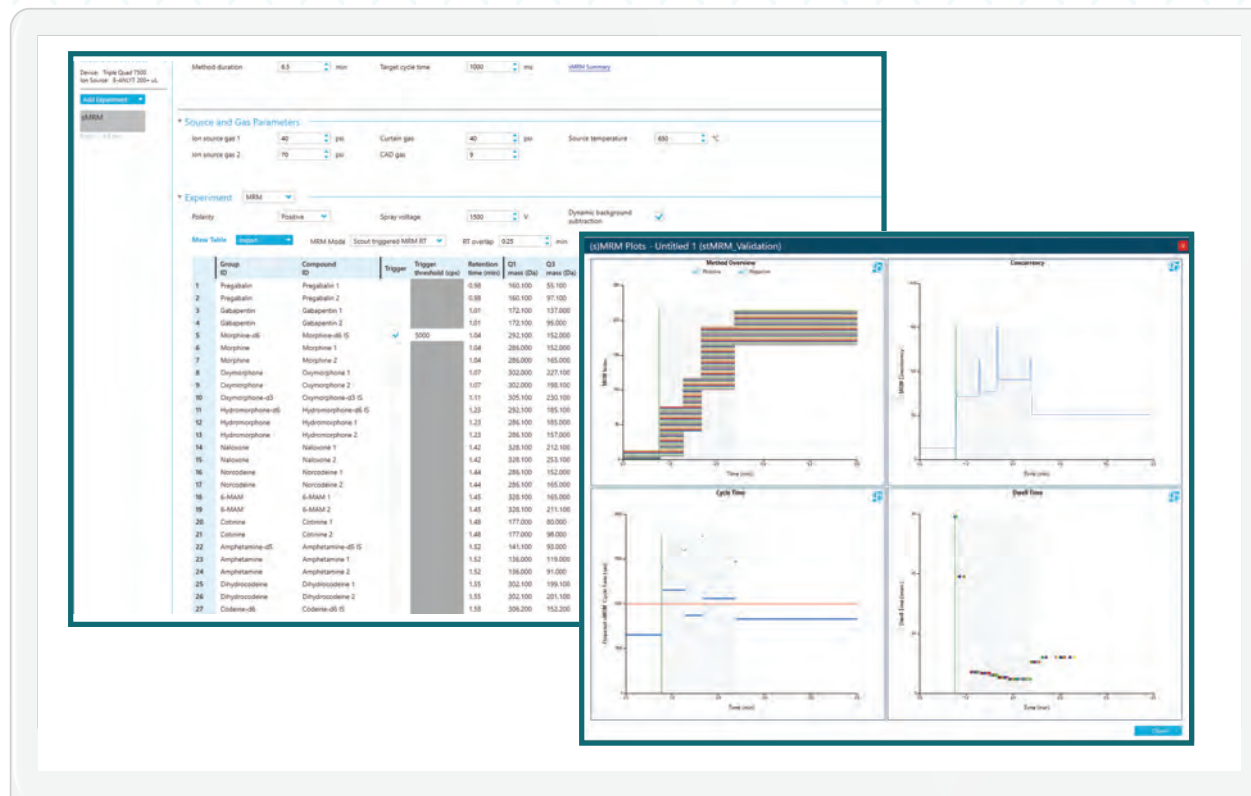
Increase efficiency and reduce method maintenance

SCIEX OS software enables an exciting data rich workflow called scout triggered MRM [stMRM].

Intelligent monitoring of the designated marker analytes increases efficiency and reduces the demand for method maintenance.

An stMRM license unlocks your SCIEX Triple Quad system to obtain better-quality data across vast screening workflows.

Instead of defining retention time windows for each transition in your method as you would with a standard scheduled MRM [sMRM] method, stMRM uses exogenously spiked compounds such as an internal standard or marker analytes to trigger the acquisition of groups of dependent MRMs.



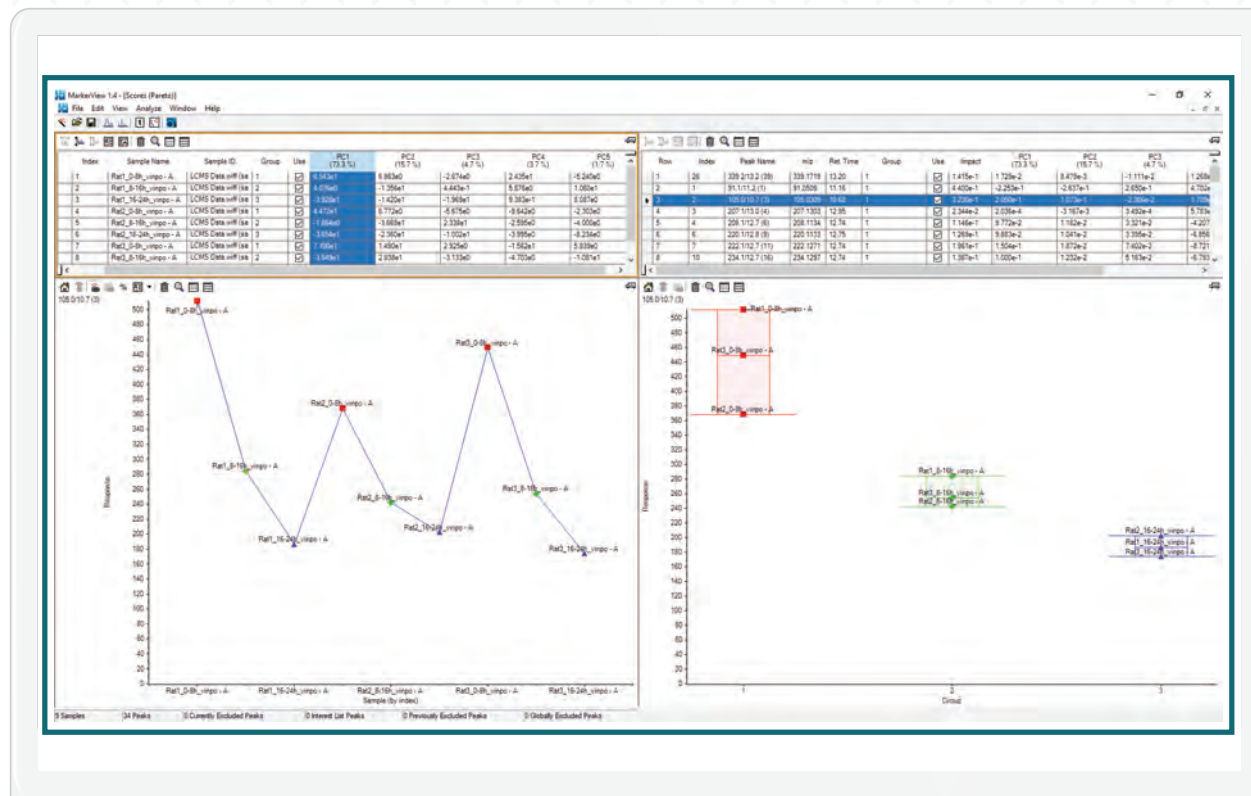
MarkerView software

Smarter, faster and simple statistical software

Perform PCA and statistical analysis on large data sets to visualize your data to gain valuable insights into trends within your mass spectral data.

MarkerView software provides the ability to explore statistical correlations with direct connections back to the raw data quickly and efficiently.

MarkerView software is now incorporated into SCIEX OS software to find meaningful relationships more rapidly, reducing cross-platform navigation.

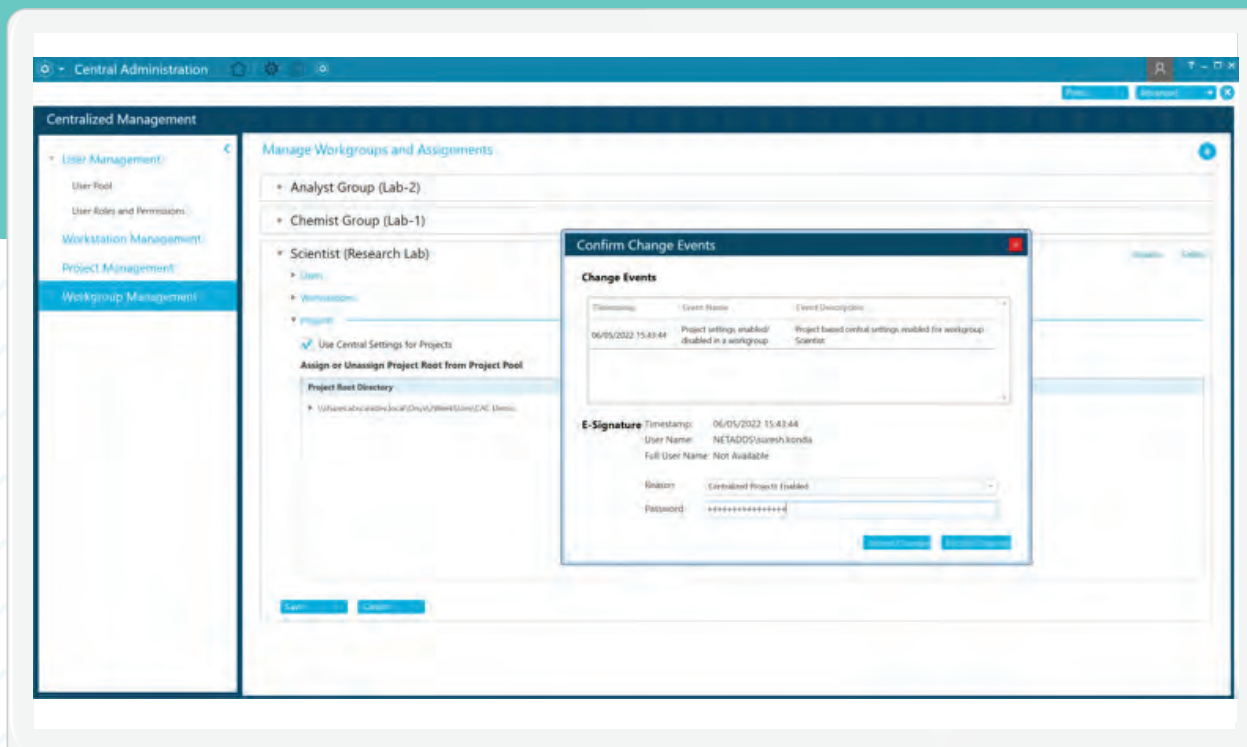


Central Administration Console

Control, manage, audit

The SCIEX OS software Central Administration Console [CAC] is now available for your multi-instrument laboratory. The CAC enables complete and centralized control of all acquisition and processing computers and workgroups (users and groups, role definitions, workstations and projects) across all your systems running SCIEX OS software 3.0. It also supports both regulated and non regulated compliance standards.

CAC connectivity brings a new level of efficiency, productivity and security to your lab's SCIEX software ecosystem.



Data driven decisions

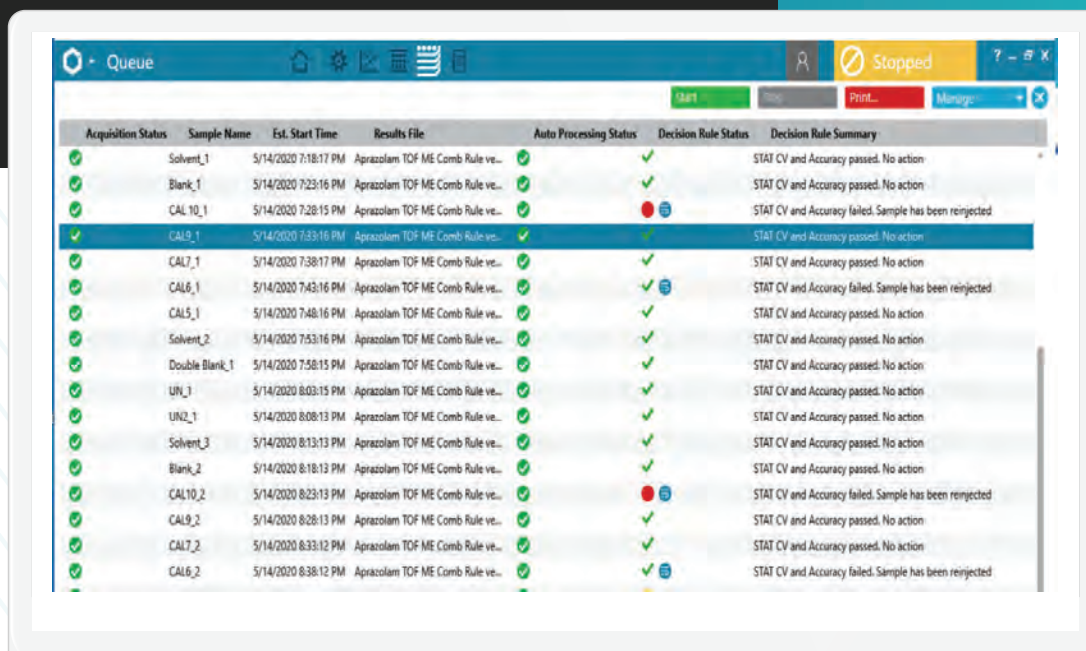
Get straight to the results that matter

The end goal of your analysis is to make a decision based upon the data you have acquired. These decisions are supported by the acceptance criteria you have stipulated during method creation.

This intuitive format can:

- Reduce sample loss
- Save time on re-analysis of flagged samples
- Minimize manual review

You can monitor run performance, complete quality control checks and automate system tasks at the same time.



Acquisition Status	Sample Name	Est. Start Time	Results File	Auto Processing Status	Decision Rule Status	Decision Rule Summary
✓	Solvent_1	5/14/2020 7:18:17 PM	Aprazolam TOF ME Comb Rule ve...	✓	✓	STAT CV and Accuracy passed. No action
✓	Blank_1	5/14/2020 7:23:16 PM	Aprazolam TOF ME Comb Rule ve...	✓	✓	STAT CV and Accuracy passed. No action
✓	CAL10_1	5/14/2020 7:28:15 PM	Aprazolam TOF ME Comb Rule ve...	✓	✗	STAT CV and Accuracy failed. Sample has been rerejected
✓	CAL9_1	5/14/2020 7:39:16 PM	Aprazolam TOF ME Comb Rule ve...	✓	✓	STAT CV and Accuracy passed. No action
✓	CAL7_1	5/14/2020 7:38:17 PM	Aprazolam TOF ME Comb Rule ve...	✓	✓	STAT CV and Accuracy passed. No action
✓	CAL6_1	5/14/2020 7:43:16 PM	Aprazolam TOF ME Comb Rule ve...	✓	✗	STAT CV and Accuracy failed. Sample has been rerejected
✓	CAL5_1	5/14/2020 7:48:16 PM	Aprazolam TOF ME Comb Rule ve...	✓	✓	STAT CV and Accuracy passed. No action
✓	Solvent_2	5/14/2020 7:53:16 PM	Aprazolam TOF ME Comb Rule ve...	✓	✓	STAT CV and Accuracy passed. No action
✓	Double Blank_1	5/14/2020 7:58:15 PM	Aprazolam TOF ME Comb Rule ve...	✓	✓	STAT CV and Accuracy passed. No action
✓	UN_1	5/14/2020 8:03:15 PM	Aprazolam TOF ME Comb Rule ve...	✓	✓	STAT CV and Accuracy passed. No action
✓	UN2_1	5/14/2020 8:08:13 PM	Aprazolam TOF ME Comb Rule ve...	✓	✓	STAT CV and Accuracy passed. No action
✓	Solvent_3	5/14/2020 8:13:13 PM	Aprazolam TOF ME Comb Rule ve...	✓	✓	STAT CV and Accuracy passed. No action
✓	Blank_2	5/14/2020 8:18:13 PM	Aprazolam TOF ME Comb Rule ve...	✓	✓	STAT CV and Accuracy passed. No action
✓	CAL10_2	5/14/2020 8:23:13 PM	Aprazolam TOF ME Comb Rule ve...	✓	✗	STAT CV and Accuracy failed. Sample has been rerejected
✓	CAL9_2	5/14/2020 8:28:13 PM	Aprazolam TOF ME Comb Rule ve...	✓	✓	STAT CV and Accuracy passed. No action
✓	CAL7_2	5/14/2020 8:33:12 PM	Aprazolam TOF ME Comb Rule ve...	✓	✓	STAT CV and Accuracy passed. No action
✓	CAL6_2	5/14/2020 8:38:12 PM	Aprazolam TOF ME Comb Rule ve...	✓	✗	STAT CV and Accuracy failed. Sample has been rerejected



Automated data processing

Expedite the time from sample to result

Increase your laboratory's throughput by automatically processing samples in the queue.

Select the processing method in the batch. The results file will automatically be processed once the sample has finished acquiring.

Visual indicators show processing status and live up-to-date information about the sample queue.

The screenshot displays two windows from the SCIEX OS software. The top window, titled 'Batch', shows a table of 11 samples with columns for Sample Name, MS Method, LC Method, Rack Type, Vial Position, Sample Type, Data File, Processing Method, Results File, and various numerical values. The 'Processing Method' and 'Results File' columns are highlighted with an orange box. The bottom window, titled 'Queue', shows a table of 10 samples with columns for Acquisition Status, Est. Start Time, Sample Name, MS Method, LC Method, Data File, Project, Processing Status, Processing Method, and Results File. The 'Processing Status' and 'Processing Method' columns are highlighted with an orange box. A green bar at the top of the Queue window indicates 'Exact acquisition time remaining: 0d 0h 3m 48s'.



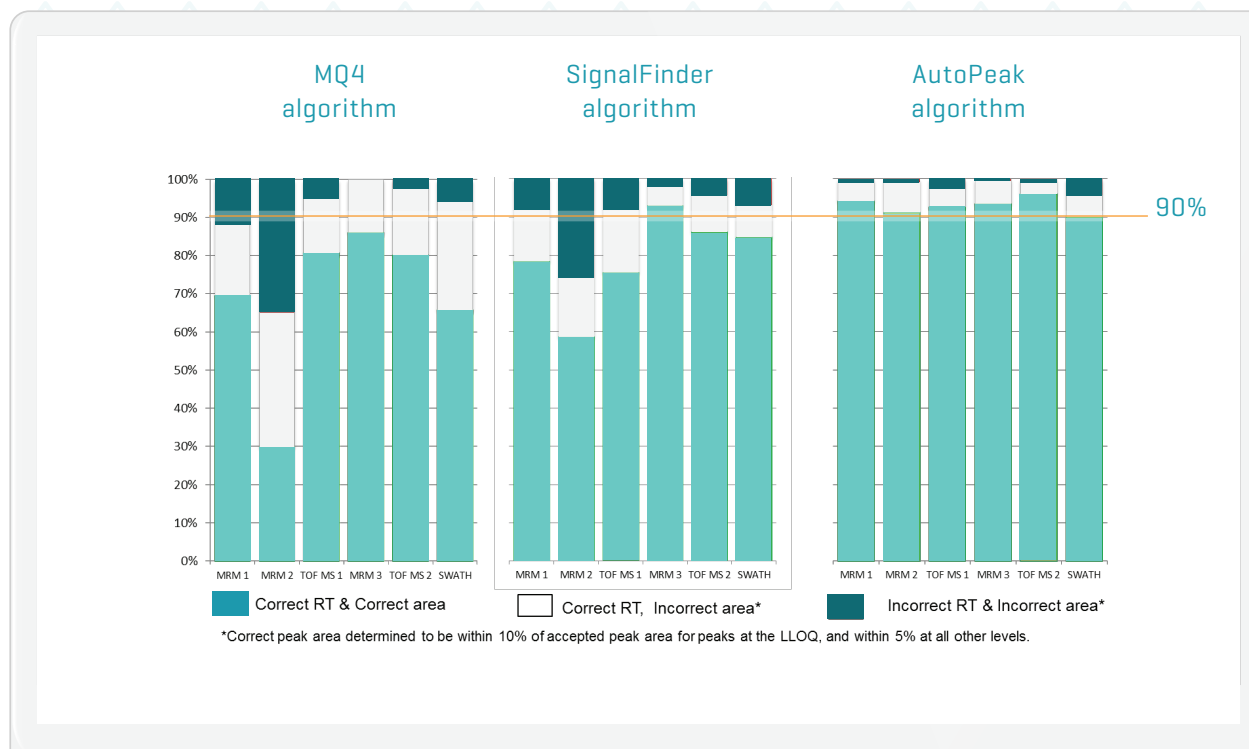
Autopeak integration algorithm

Boost the accuracy of results

Integrate chromatographic peaks with exceptional consistency and accuracy—even for low level peaks and complex matrices. Achieve exceptionally reliable integration with ease. No manual intervention is needed to re-integrate peaks, remove interferences, or adjust retention time.

The autopeak integration algorithm shows a significant improvement for multiple data types with over 90% of peaks integrated correctly without manual intervention.

[Learn more](#)



Automatic outlier removal

Approved calibration curve with 193 analytes and 9 calibrator levels, acquired in triplicate. Created in approximately 1 minute compared to 180 minutes with manual review.

Verify established calibration range faster

Automatic outlier removal finds and removes data points from the regression curve that are outside acceptance criteria, minimizing the time to confirm an approved calibration range.

Remove the need for manual review steps when quantifying large sample sets. Parameters to define tolerance thresholds and the outlier rule can be customized and stored per method, based on SOP or regulatory need.

[Learn more](#)



Review by exception

Visualize, review, decide

Cut complex, time consuming manual reviews of your data. Set up customized flagging criteria for qualitative and quantitative workflows.

Easily create customized flagging rules for your specific methods and perform unbiased results review based on easy filtering and automated flagging.

Automated visual status indicators highlight results outside the limits, that can be investigated immediately. Achieve consistency between batches and gain higher confidence in results.

Enhanced filtering capabilities for review by exception

Index	Sample Name	Sample Type	Component Name	Retention Time	Expected RT	Area	Calculated Concentration	Accuracy	Ion Ratio Conf.	Accuracy Acceptance	Concentration Acceptance	Reportable
7763	orange juice M	Unknown	Carbendazim 1	4.10	4.20	1.637e6	13.05	N/A	✓	✓	!	✓
7764	orange juice M	Unknown	Carbendazim 2	4.10	4.20	3.766e5	32.66	N/A	✓	✓	!	✓
7767	orange juice M	Unknown	Carbofuran 1	6.18	6.30	2.930e4	< 0	N/A	✓	✓	!	✓
7768	orange juice M	Unknown	Carbofuran 2	6.17	6.30	2.249e4	0.05	N/A	✓	✓	!	✓
7817	orange juice M	Unknown	Dimethoate 1	3.28	3.40	8.387e3	< 0	N/A	✓	✓	!	✓
7818	orange juice M	Unknown	Dimethoate 2	3.28	3.40	1.299e4	< 0	N/A	✓	✓	!	✓
7925	orange juice M	Unknown	Imidacloprid 1	3.18	3.30	1.197e4	0.10	N/A	!	✓	!	✓
7926	orange juice M	Unknown	Imidacloprid 2	3.18	3.30	1.234e4	0.17	N/A	!	✓	!	✓
8003	orange juice M	Unknown	Ormetoate 1	1.25	1.30	4.059e3	< 0	N/A	✓	✓	!	✓
8004	orange juice M	Unknown	Ormetoate 2	1.25	1.30	3.057e3	< 0	N/A	✓	✓	!	✓
8101	orange juice M	Unknown	Thiabendazole 1	5.35	5.50	1.193e4	0.02	N/A	✓	✓	!	✓
8102	orange juice M	Unknown	Thiabendazole 2	5.37	5.50	6.333e3	0.03	N/A	✓	✓	!	✓
8121	orange juice M	Unknown	Trifluystrobin 1	12.30	12.40	1.138e4	0.14	N/A	✓	✓	!	✓
8122	orange juice M	Unknown	Trifluystrobin 2	12.30	12.40	5.588e3	0.18	N/A	✓	✓	!	✓

Outlier flagging

Results review:
Color coding for flagged results for fast review

Index	Sample Name	Sample Type	Component Name	Component Type	Expected RT	Area	IS Area	Retention Time	Calculated Concentration	Ion Ratio Confidence	Concentration Acceptance
1378	Unknown 3	Unknown	Codine 1	Quantifiers	3.30	1.063e3	1.039e5	✓	✓	✓	!
1374	Unknown 3	Unknown	Codine 2	Quantifiers	3.30	5.209e3	1.019e5	✓	✓	✓	!
1427	Unknown 3	Unknown	Noretycodone 1	Quantifiers	3.32	1.554e4	1.473e5	✓	✓	✓	!
1426	Unknown 3	Unknown	Noretycodone 2	Quantifiers	3.31	1.367e4	1.473e5	✓	✓	✓	!
1433	Unknown 3	Unknown	Oxycodone 1	Quantifiers	3.64	5.011e3	1.039e5	✓	✓	✓	!
1434	Unknown 3	Unknown	Oxycodone 2	Quantifiers	3.64	2.293e3	1.039e5	✓	✓	✓	!
1435	Unknown 3	Unknown	Oxymorphone 1	Quantifiers	3.32	1.714e4	3.003e4	✓	✓	✓	!
1436	Unknown 3	Unknown	Oxymorphone 2	Quantifiers	3.31	9.339e3	3.003e4	✓	✓	✓	!

- Blue = below tolerance for acceptance
- Red = above tolerance for acceptance
- Filter on all columns
- Dedicated Outlier columns



Data integrity is everything

Precision, completeness, and consistency

Achieve data integrity across every run, on every system — from compliant routine analyses to flexible research workflows. Intuitive audit trail feature ensures full traceability and accountability.

Built-in data integrity features allow you to tailor each functionality specifically to your lab's compliance and data security requirements.

- Supports GxP and 21 CFR Part 11 compliance
- Configurable security settings
- Electronic signatures and audit trails
- Customizable security management
- End to end audit trail

Read white paper

Easily search and filter for specific high-risk events in audit trail viewer

Filter Audit Trail

Find instances where

Sample Name Is Contains standard

Reason Is Contains manual integration

<No Filters> Is Contains

And where time and date are: from 12:00 AM to 12:00 AM

OK Cancel

Always be ready for your next audit

SCIEX integrated compliance services include integrated analytical instrument qualification and software validation packages covering your complete SCIEX system workflow. Delivered by SCIEX professional services team.

Learn more



Powering up innovation

As the new foundation for all SCIEX innovations, SCIEX OS allows you to integrate all SCIEX systems into a single software platform.

Streamline all your nominal and accurate mass workflows for increased efficiency



RUN FAST with the Echo® MS system.

Automated processing and enhanced data visualization tools enable scalability of **ultra-high throughput** workflows such as drug pipeline development, while maintaining the quality and integrity of the results.



GO BEYOND your current limits of sensitivity with the **SCIEX Triple Quad 7500, 6500+, 5500+ and 4500 systems**. With its automated tools simplifying peak finding and integration, and calibration curve review, SCIEX OS helps you reach new levels of precision across all your **quantitative** workflows.

SCIEX OS powers up all targeted, non-targeted and suspect screening workflows analyzed with your **SCIEX QTRAP, ZenoTOF, TripleTOF and X500 QTOF** series instruments. Automated custom flagging and filtering tools enable rapid data review and real-time decision making. All with high levels of confidence.



The **M5 MicroLC system** is the perfect balance of sensitivity and robustness—more sensitive than traditional analytical flow LC, and more flexible and more robust than nanoflow LC — giving you the potential to optimize your critical workflows, today and into the future.



SCIEX Now support network

SCIEX Now

- Manage your instruments.
- Submit and manage support cases, track status and history.
- Access online training courses and articles.
- Be a part of the SCIEX community by submitting questions and comments.
- Receive notifications from SCIEX with content based on your preferences.

→ CONTACT SCIEX NOW

SCIEX Learning Hub

SCIEX Learning Hub Success programs provide LC-MS and CE training customized to meet your exact needs.

With a selection of training methods and certifications available, you can build a mass spectrometry program that is most suited to your lab and users.

Starting with a clear understanding of your desired learning outcomes, we aim to help you improve lab productivity and consistency by designing and delivering a program that is focused on knowledge advancement and retention.

→ FIND OUT MORE

The SCIEX clinical diagnostic portfolio is For In Vitro Diagnostic Use. Rx Only. Product(s) not available in all countries. For information on availability, please contact your local sales representative or refer to <https://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]. 2023 DH Tech. Dev. Pte. Ltd. AB SCIEX™ is being used under license. RUO-MKT-03-11750-E

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