

NOTICE: This document contains references to Varian. Please note that Varian, Inc. is now part of Agilent Technologies. For more information, go to **www.agilent.com/chem**.



Agilent Technologies



VARIAN

Varian MS Workstation 6.9 Service Pack #1

The software contained in this kit is an update to the Varian MS Workstation 6.9 software (P/N 03-914982-01:16) that was released previously. The Update includes support for a new Quadrupole MS configuration, the GC-only 300-MS, and also includes a number of improvements and corrections to the 6.9 release.

Installing the MS Workstation 6.9 Service Pack #1 Software

Verify that Version 6.9 of the MS Workstation is installed on your computer. You can do this by selecting "About..." under Help in the menu bar of any of the MS Workstation applications and checking the version number, or right-click on an open area of the MS Workstation Toolbar, select "About Workstation Toolbar" and check the displayed version number. If the displayed version number is not 6.9, then you must install MS Workstation Version 6.9 before you can install this Update.

If MS Workstation Version 6.9 is already installed, you may install just the Update by launching it from the Product Support Website (<http://www.varianinc.com/cgi-bin/nav?products/chrom/support&cid=IMOKOKHMFQ>)

Changes/Corrections Since Version 6.9

Quadrupole MS (3X0-MS/1200/1200L)

Improvements

Id: 6234	Title: Add a selection for the current EDR Maximum detector value as a fixed setting Component: Quad (General) Area: System Control - General Description: An additional detector voltage option has been added to the method in this release: EDR Maximum. When selected, it causes the system to use the last calculated EDR Maximum value, which is appropriate for use with low ion signal techniques, such as MS/MS. This option will automatically correct for the evolution of the multiplier performance over time. This option should not be used with Full Scan data as the detector will saturate.
--------------------	--

Corrections

Id: 6270	Title: Double Ions added to new methods during MS/MS breakdown and API Capillary Component: Quad (General) Area: System Control - General Description: In previous versions of the software, if the MS/MS or API Capillary Breakdown is run with "appending of ions" enabled on a new method, two sets of ions result: One is correct and contains the capillary and collision energy information. The other has the same ions, but does not contain the
--------------------	---

		capillary and collision information. This has been corrected in the latest release.
Id: 6293	Title: Component: Area: Description:	Printed Method doesn't contain PML information Quad (General) DAMeth - General In previous versions of the software, if the Quadrupole Method was printed from Method Builder, the PMLs specified for execution as part of each Method Segment are not listed. This has been corrected in the current release.
Id: 6298	Title: Component: Area: Description:	Pressing Enter after changing Polarity switches it back to original Quad (General) DAMeth - General In previous versions of the software, if the polarity of the ion is changed in the Scan Table and that is followed by pressing the Enter key, it switches back to the original value instead of preserving the change. This has been corrected in the current release.
Id: 6306	Title: Component: Area: Description:	EDR Calibration failure not identified 3X0-MS System Control - General The EDR Calibration failure check was rendered ineffective in MSWS 6.9. As such, some failures of EDR Calibration would not be reported to the user. This EDR Calibration check has been restored in this release.
Id: 6310	Title: Component: Area: Description:	Retention Time Not Reproducible Quad (General) ModWin - Acquisition In version 6.8 and 6.9 of the software, the hardware StartIn synchronization did not work, resulting in peak jitter of more than a second. The StartIn synchronization has been fixed in the current release.
Id: 6311	Title: Component: Area: Description:	Baseline can sometimes drift toward zero Quad (General) ModWin - Acquisition Some customers are concerned about the ability to distinguish peaks from noise when the median point of the noise trace drops below zero. Two new PMLs have been included in the distribution: Baseline_lock increases the background by the specified percentage and locks it. Baseline_unlock goes back to the automatically calculated background level.
Id: 6321	Title: Component: Area: Description:	Poor drying gas temperature performance when changing setpoints 3X0-MS System Control - General In previous versions of the software, when the Drying Gas Temperature setpoint was changed, even if the new setpoint was close to the old one, the actual temperature dropped 5-10 degrees before recovering. Such perturbations have been reduced in this release.
Id: 6322	Title: Component: Area: Description:	API voltages are set to minimum values on new install 1200 System Control - General When performing an initial installation of the MS Workstation software using previous versions of the software, the API setpoints were set to minimum values rather than appropriate defaults. The API voltages on a new install are now set as follows for POS: needle 5000, shield 600, capillary 100, and in NEG: needle -4500, shield -600, capillary -100.
Id:	Title:	Injections don't acquire data when CID is not ready

6328	Component: Area: Description:	Quad (General) ModWin - Acquisition The CID gas on the 320 will sometimes fluctuate by a couple points. (1.95 to 2.00 mTorr). During this period the MS goes to the Not Ready state. If this fluctuation happens while the autosampler is in the process of injecting, then the injection occurs and the GC starts. Unfortunately, because the MS has gone to Not Ready it does not start and the acquisition is lost. The MS will now start regardless of its current Ready State.
Id: 6335	Title: Component: Area: Description:	Segment title cut off in GC part of Adv Opt Overrides Quad (General) DAMeth - General In either Method Builder or the active scan table for the GC modes, the number of segments title (Segment 1 of 21) on the Overrides Tab of the Advanced Options window is chopped off. It is only possible to read "Segment 1 of" instead of the whole text. The text box has been enlarged in this release to allow the full text to be displayed.
Id: 6340	Title: Component: Area: Description:	"Waiting for LC Valve" msg when download some GC methods Quad (General) System Control - General Create a 320 LC ESI method and activate the valve. Save the method. Reopen the method and change the method parameters so that it is now a 300 or 320 GC method and resave using a different name. When you download the method to the GC/MS instrument, you get a message "Waiting for LC valve in Load Position". In this release, the spurious LC Valve warning has been eliminated.

2000 MS

No changes

4000 MS

Id: 6211	Title: Component: Area: Description:	ToxPro Tune Report Does Not Display Air and Water Results for 4000 Data File 4000 CustMSRpts - General When a ToxPro FC-43 Tune Report is created from a 4000 MS data file, the Air Level Test and Water Level Test results are not shown as they are on 2000 MS data files. This information is now reported.
Id: 6230	Title: Component: Area: Description:	4000: burned out filament is not a fatal condition 4000 System Control - Automation When running automations with a 4000, if the selected filament burns out during a run, a message is logged: "Filament n is not OK", but the automations continue after this point. This error will now stop the automation.
Id: 6312	Title: Component: Area: Description:	Lost CI MS/MS sensitivity when multi channels are present 4000 ModWin - Acquisition CI/MSMS sensitivity is decreased in channels after the first channel when multiple compounds are monitored in the same segment.
Id: 6286	Title: Component: Area: Description:	Autotune Logs are not created after a clean installation Ion Traps (Titan) ModWin - Auto Tune In a clean installation, the "VarianWS\Autotune Logs" directory is not created and this prevents the autotune logs from being saved

500-MS

No changes

MS Data Handling/Reports

Improvements

Id: 6308	Title: Component: Area: Description:	DDS: Provide option to display Base Peak Intensity in chromatograms MS Workstation Platform MSDataRev - MultiChro Display Add the ability to display either RIC or Base Peak chromatograms for DDS data files. An icon,  , has been added to the Chromatogram Toolbar in MSDR to allow the user to easily toggle from the RIC to the Intensity of Base Peak Chromatogram Display.
---------------------------	--	--

Corrections

Id: 6287	Title: Component: Area: Description:	MSDR: Select Files dialog only loads first file MS Workstation Platform MSDataRev - General Multiple files can be selected in the MSDR Select Files dialog, but only the first file will be loaded into the Plots View unless the Control key is held down while the Open File(s) button is clicked. All of the files that are selected in the dialog should be loaded without having to hold down the Ctrl key.
Id: 6288	Title: Component: Area: Description:	MSDR: Select Files dialog loads TIC even if not selected MS Workstation Platform MSDataRev - General When scan-function chromatograms are specified in the MSDR Select Files dialog for a data file, the TIC chromatogram is also displayed in the Plots View even if it was not specified in the dialog.
Id: 6300	Title: Component: Area: Description:	Using "Move Chromatogram" on a .RUN file crashes MSDR MS Workstation Platform MSDataRev - MultiChro Display Trying to move a displayed .RUN file chromatogram in the Plots View with the "Move Chromatogram" Click&Drag mouse action will cause MSDR to crash.
Id: 6307	Title: Component: Area: Description:	MSDR: Spectrum plot titles don't update when changed in Preferences MS Workstation Platform MSDataRev - Chromatogram Selection When the spectrum plot titles specification is changed in the Preferences dialog, the display is not updated until a different spectrum is selected. The display should be updated as soon as a different selection is made.
Id: 6314	Title: Component: Area: Description:	MSDR: Printed spectra display different sets of match values MS Workstation Platform MSDataRev – Reports, View & Print When searched spectra are printed by selecting the Print option from the spectrum control right-click menu, the correct match values are displayed in the plot but incorrect values are displayed in the report header. The values in the report header are correct if the MSDR application File menu or Toolbar Print options are used instead of the right-click menu option. The values should be removed from the report header since they are superfluous anyway.
Id: 6320	Title:	MSDR: Plot Title sometimes missing from Compound Report chromatogram

	Component: MS Workstation Platform Area: MSDataRev - Chromat. Selection Description: The Quan Ion and Scan Descriptor sometimes are missing from the chromatogram plot title in compound reports.
Id: 6339	Title: MS DR: Background correction status not displayed in spectra plot titles Component: MS Workstation Platform Area: MSDataRev Multi-Chro Display Description: The background correction status is not displayed in the spectrum plot titles, even if it is specified in the Preferences dialog.
Id: 6341	Title: MS DR: Process View and Results View entries missing from MS DR On-Line Help Component: MS Workstation Platform Area: MSDataRev - General Description: The entries in the MS DR On-Line Help for the Process View and the Results View are missing.
Id: 6345	Title: MS DR: Can select DDS file in non-DDS Select Files dialog Component: MS Workstation Platform Area: MSDataRev – Chromatogram Selection Description: A DDS file can be selected from the Recent Files list in the non-DDS Select Files dialog. A message is displayed saying that it can't be selected, but it is selected anyway. This usually only happens if a non-DDS file already has been selected from the Recent Files list.

Core Workstation Platform

No changes