

P048/80B

CLARITY 8.0 WHAT'S NEW

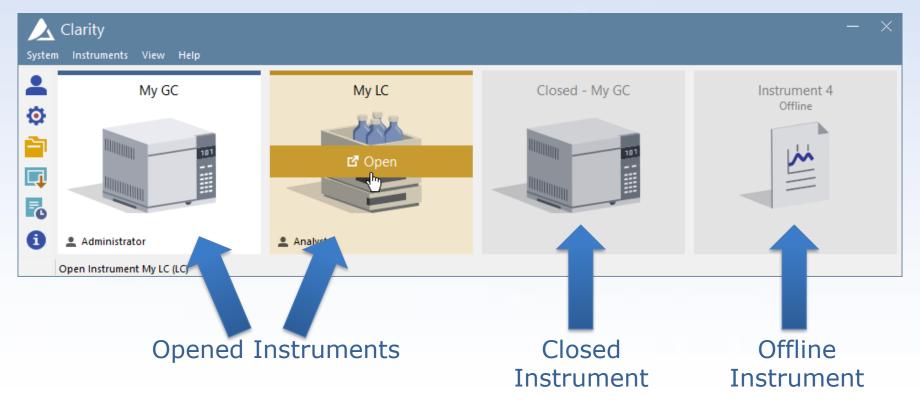
What is new in Clarity 8.0

- Graphically enhanced user interface
- Improvements to GLP compliance
- Increased number of ISTD's
- ✓ Improvements in MS extension
- Various changes and bug fixes
- New and updated control modules

GUI	GLP	ISTD	MS	New Control Modules
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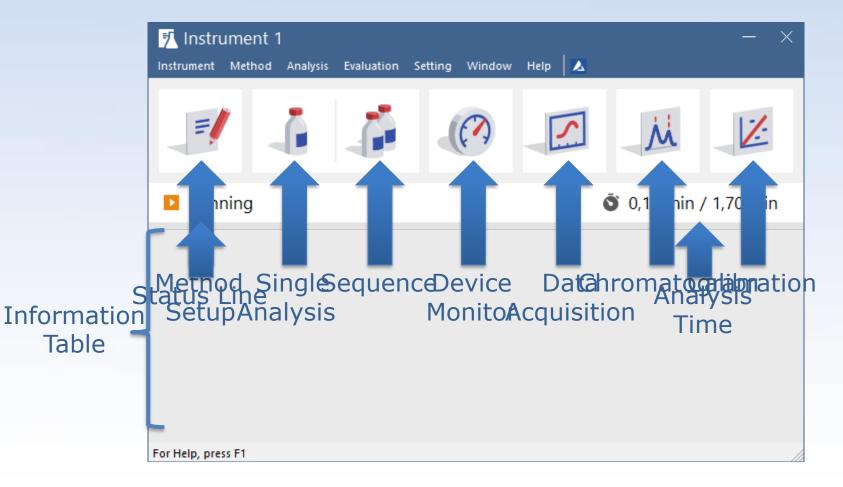
It's finally here, **Clarity 8.0** has undergone a major graphical change – completely new look and feel.

New Clarity Main window:



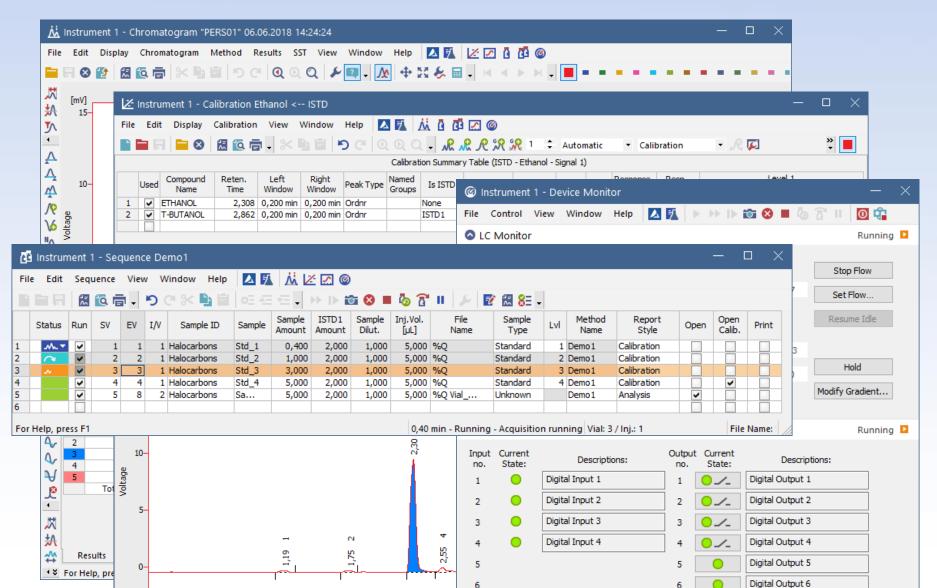


New Instrument window:✓ New user interface with proven workflow



GUI	GLP	ISTD	MS	New Control Modules
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Fresh new icons:



GUI	GLP	ISTD	MS	New Control Modules
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New Global Audit Trail – located on a separate tab in the Station Audit Trail window

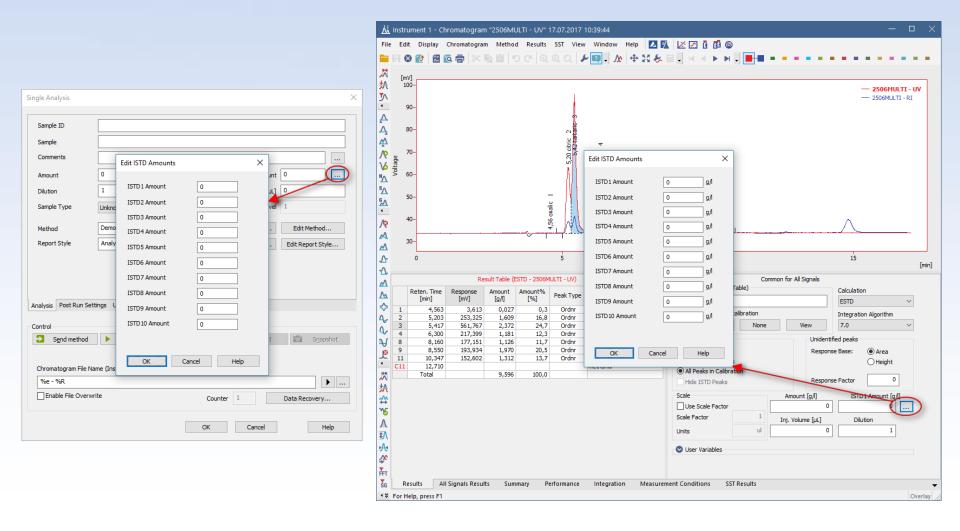
Logs critical station operations

褐 Audit	t Tra	ail									
File Edit	t I	Filter View Windo	ow He	elp	4 1	夙 夙					
	Q			•							
O	K	Time	Type A	nalyst	Instrument	Area	Description	User	Computer	Info	
127 ok	< 1	15.06.2018 9:36:49	🚺 Ad	lministr	Instrument 1	Instrument	Open Instrument	marekp	MAREKP	Clarity 8.0.0.115 FULL, SN: 088-000888	
128 ok	< 1	15.06.2018 9:36:39	4		System	System	Command line parameter(s): DataApex.ini parameter(s): dump_memory=1 enable_asserts=7	marekp	MAREKP	Clarity 8.0.0.115 FULL, SN: 088-000888	
129 ok	< 1	15.06.2018 9:36:39	24		System	System	Start System, Version: 8.0.0.115	marekp	MAREKP	Clarity 8.0.0.115 FULL, SN: 088-000888	
.30 ok	< 1	15.06.2018 9:31:39	2		System	System	End System	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
31 ok	< 1	15.06.2018 9:31:34	4		System	System	Command line parameter(s): DataApex.ini parameter(s): dump_memory=1 enable_asserts=7	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
.32 ok	< 1	15.06.2018 9:31:34	<u> </u>		System	System	Start System, Version: 8.0.0.114	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
33 ok	< 1	15.06.2018 9:31:20	2		System	System	End System	marekp	MAREKP	Clarity 8.0.0.114, SN: 088-000888	
34 ok	< 1	15.06.2018 9:30:55	4		System	System	Command line parameter(s): DataApex.ini parameter(s): dump_memory=1 enable_asserts=7	marekp	MAREKP	Clarity 8.0.0.114, SN: 088-000888	
35 ok	< 1	15.06.2018 9:30:55	<u>í</u>		System	System	Start System, Version: 8.0.0.114	marekp	MAREKP	Clarity 8.0.0.114, SN: 088-000888	
36 ok	< 1	15.06.2018 9:30:55	i		System	System	Daily audit trail 2018_06_15.audit created.	marekp	MAREKP	Clarity 8.0.0.114, SN: 088-000888	
37 ok	< 1	14.06.2018 16:24:00	2		System	System	End System	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
8 ok	< 1	14.06.2018 16:23:53	🛃 🖌	lministr	Instrument 2	Instrument	Close Instrument	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
19 ok	e 1	14.06.2018 15:57:48	🖌 🖌	lministr	Instrument 2	Instrument	Open Instrument	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
		14.06.2018 15:57:45	🛃 🖌	lministr	Instrument 2	Instrument	Close Instrument	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
1 ok	è i	14.06.2018 15:56:44	🖌 🖌	lministr	Instrument 2	Instrument	Open Instrument	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
12 ok	i I	14.06.2018 15:56:41	i Ad	lministr	System	Configuration	System Configuration dialog has been closed.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
3 nk		14.06.2018 15:56:41	Ad Ad	lministr	System	Configuration	Device LC 1100 System Quart, Pump : HP1100LC 4 added to Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
4 ok	· · ·	14.06.2018 15:56:41		lministr			Device LC 1100 System Quart, Pump : HP1100LC 3 added to Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
5 ok		14.06.2018 15:56:41		lministr			Device LC 1100 System Quart, Pump : HP1100LC 2 added to Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
5 ok	-	14.06.2018 15:56:41		lministr			Device LC 1100 System Quart. Pump : HP1100LC 1 added to Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
7 ok	•	14.06.2018 15:56:41	_	lministr			Device LC 1100 System Quart. Pump : HP1100LC 4 removed from Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
~ ~ ~	•	14.06.2018 15:56:41		lministr			Device LC 1100 System Quart, Pump : HP1100LC 3 removed from Instrument 2.	marekp	MAREKP	Clarity 8.0.0, 114 FULL, SN: 088-000888	
9 ok	•	14.06.2018 15:56:41		lministr			Device LC 1100 System Quart. Pump : HP1100LC 2 removed from Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
0 ok		14.06.2018 15:56:41		lministr			Device LC 1100 System Quart. Pump : HP1100LC 1 removed from Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
0 UK 1 Ok		14.06.2018 15:56:41		lministr			Device LC 1100 System Quart, Pump : In Floble Tremoved nom Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
1 UK 2 Ok		14.06.2018 15:56:41		lministr	-,		Device LC 1100 System DAD : Spectral Detector added to Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
	-	14.06.2018 15:56:41		lministr	-,		Device LC 1100 System DAD : Detector 4 added to Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
эок 4 ok		14.06.2018 15:56:41		lministr	-,		Device LC 1100 System DAD : Detector 4 added to Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
	•	14.06.2018 15:56:41		lministr			Device LC 1100 System DAD : Detector 3 added to Instrument 2.		MAREKP		
5 ok				lministr Iministr			Device LC 1100 System DAD : Detector 2 added to Instrument 2. Device LC 1100 System DAD : Detector 1 added to Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
		14.06.2018 15:56:41		iministr Iministr			Device LC 1100 System DAD : Detector 1 added to Instrument 2. Device LC 1100 System Ouart. Pump : HP1100LC 4 added to Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
7 ok	-	14.06.2018 15:56:41						marekp		Clarity 8.0.0.114 FULL, SN: 088-000888	
8 ok	•	14.06.2018 15:56:41		lministr			Device LC 1100 System Quart. Pump : HP1100LC 3 added to Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
9 ok	•	14.06.2018 15:56:41		lministr			Device LC 1100 System Quart. Pump : HP1100LC 2 added to Instrument 2.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
0 ok	-	14.06.2018 15:56:41		lministr			Device LC 1100 System Quart. Pump : HP1100LC 1 added to Instrument 2.	marekp		Clarity 8.0.0.114 FULL, SN: 088-000888	
1 ok	-	14.06.2018 15:56:41		lministr	-,		Control module LC 1100 System added.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
2 ok	-	14.06.2018 15:56:41		lministr			Control module LC 1100 System added.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
3 ok	•	14.06.2018 15:56:41		lministr	-,			marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
-	•	14.06.2018 15:54:36	Ad	lministr			System Configuration dialog has been opened.	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
5 ok		14.06.2018 15:54:31	2		System	System	Command line parameter(s): control_demo_mode, DataApex.ini parameter(s): dump_memory=1 enable_asserts=7	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
6 ok		14.06.2018 15:54:31	<u>s</u>		System	System	Start System, Version: 8.0.0.114	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
		14.06.2018 15:54:13	<u>2</u>		System	System	End System	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
i8 ok	•	14.06.2018 15:53:44	<u>4</u>		System	System	Command line parameter(s): DataApex.ini parameter(s): dump_memory=1 enable_asserts=7	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
i9 ok	•		24		System	System	Start System, Version: 8.0.0.114	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
70 ok		14.06.2018 15:49:41	2		System	System	End System	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
71 ok	< 1	14.06.2018 15:49:40	🔂 🗛	ninistr	Instrument 1	Instrument	Close Instrument	marekp	MAREKP	Clarity 8.0.0.114 FULL, SN: 088-000888	
Session		Daily Audit Trail: 20	10 00 1	10	Global						

For Help, press F1



Number of ISTD's increased from 5 to 10 Support added to all relevant places



GUI	GLP	ISTD	MS	New Control Modules

Redesigned MS search

Unified Search Options group

 Added support to Search All But Selected m/z range to omit m/z range from the search

Single Compound Search Automatic Compound Search Target Compound Search Search In Ret. Time [min]: from 4,591 // to 5,124 Search Options Background Subtraction Background 1 [min]: from to Min Match Factor: 0 (0 1000) Max Hits: 3 Background 1 [min]: from to Restrict m/z Range From: To: Background 2 [min]: from to in Ø Use Selected m/z m/z 14: 35 259 Background 2 [min]: from to in Ø Search Only Selected Image: Search and But Selected Image: Search Match Frob. [%] Compound Name Library ID Formula MW CAS No. 1 29 39 2,25 Furo[2,3-b]guinoline, 4,7,8-trimeth MAINLIB 2237 C14H13NO4 259 83-95-4 1 29 39 2,25 Furo[2,3-b]guinoline, 4,7,8-trimeth MAINLIB 2237 C14H13NO4 259 83-95-4 3 23 31 1,75 Disooctyl adipate MAINLIB 1651 C22H2O	×												
Search Options Min Match Factor: 0 (0 1000) Max Hits: 3 Restrict m/z Range From: To: Background 1 [min]: from to Wuse Selected m/z () Search Only Selected To: Background 2 [min]: from to Search Only Selected Search All But Selected Search To: To: Search All But Selected Search All But Selected Search To: To: Mix Library Search Match R. Match Prob. [%] Compound Name Library Match R. Match Prob. [%] Compound Name Library To: 29 1 29 39 2,25 Library Mathlt 2237 1 29 39 1,82 Mathlt 2237 24 259 259 259 259 259 259 2	Single Compound Search Automatic Compound Search Target Compound Search												
Min Match Factor: 0 0													
Image: Second provided and													
Use Selected m/z m/z 14: 35 259 Search Only Selected Image: Search All But Selected Search Preview Spectrum in Library Match R. Match Prob. [%] Compound Name Library ID Formula MW CAS No. 1 29 39 2,25 2 24 33 1,82 All NLIB 2232 CHH13NO4 259 83-95-4 20 627-44-1													
Search Only Selected Search All But Selected Search Preview Spectrum in Library MS Library Search Match Prob. [%] Compound Name Library ID Formula MW CAS No. 1 29 39 2,25 Furo[2,3-b]guinoline, 4,7,8-trimeth MAINLIB 2237 C14H13NO4 259 83-95-4 2 24 33 1,82 Mercurvy, diethyl- MAINLIB 2232 C4H10Hg 260 627-44-1													
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Match R. Match Prob. [%] Compound Name Library ID Formula MW CAS No. 1 29 39 2,25 Furo[2,3-b]quinoline, 4,7,8-trimeth MAINLIB 2237 C14H13NO4 259 83-95-4 2 24 33 1,82 Mercury, diethyl- MAINLIB 2232 C4H10Hg 260 627-44-1	Search Preview Spectrum in Library												
1 29 39 2,25 Furo[2,3-b]quinoline, 4,7,8-trimeth MAINLIB 2237 C14H13NO4 259 83-95-4 2 24 33 1,82 Mercury, diethyl- MAINLIB 2232 C4H10Hg 260 627-44-1	MS Library Search												
2 24 33 1,82 Mercury, diethyl- MAINLIB 2232 C4H10Hg 260 627-44-1													
3 23 31 1,75 Disooctyl adipate MAINLIB 1651 C22H42O4 370 1330-86-5													
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m/z um	-												

GUI	GLP	ISTD	MS	New Control Modules

Single Compound Search Added support to subtract background Detection of overlaps

MS Search					— C	x c				
Single Compound Search Automatic Compound Search Target Compound Search										
Search In Ret. Time [min]: from 4,591 to 5,124		la hu-r-				_				
Search Options Min Match Factor: 0 (0 1000) Max Hits:		d Subtraction	from 4,5	to 5,0						
V background 1 [min]: mom 4,5 to 5,0										
Restrict m/z Range From: 35 To: 259 Background 2 [min]: from to										
Use Selected m/z m/z 14: Background overlaps with searched retention time!										
O Search All But Selected										
Search Preview Spectrum in Library										
MS Librar	y Search									
Match R. Match Prob. [%] Compound Name	Library	ID	Formula	MW	CAS No.					
1 624 624 73,18 Hexanal	Demo_ms	10 C6H1	120		66-25-1					
2 589 589 18,37 3-Pentanone	Demo_ms	14 C5H1			96-22-0					
3 529 529 3,26 2-Butanone, 3-methyl-	Demo_ms	15 C5H1	100	86	563-80-4					
Add Selected to Method 4 (%) 5 (%)										
			- Hexana	al <u>marina para dara</u>						
⁶⁶ 40 50 60 70 80 90 100 110 120 130	140 150 160 m/z	170 180 19	0 200 210	220 :	230 240	250 [m/z]				
				Close		Help				

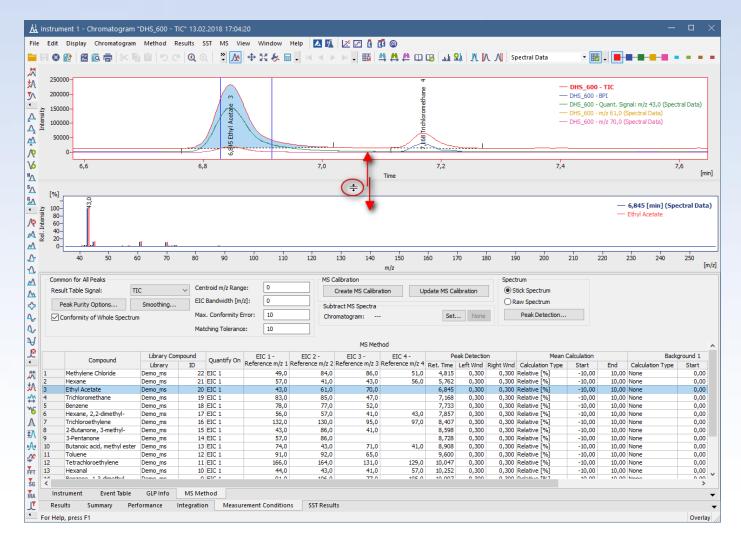
Automatic Compound Search

- Checkboxes for easier selection of multiple compounds
- Improved labels for better understanding

MS Search															_		×
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		6,845	749	749		Ethyl A				MAINLIB		2029		88	141-7		_
		7,168	692	755		Trichlor				MAINLIB		726		118	67-66		_
		7,733	806	817		Benzen				MAINLIB		96		78	71-43		_
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GUI	GLP	ISTD	MS	New Control Modules
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Chromatogram graph and spectrum graph can now be resized independently



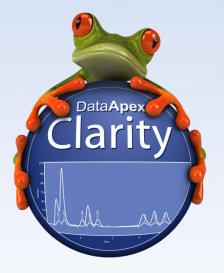
GUI	GLP	ISTD	MS	New Control Modules

CTC – CTC PAL3 System YL Instruments – ChroZen UHPLC System CoruiTech – RainbowC HPLC and Rainbow HPLC

... and many other control modules have been updated



Download **Clarity 8.0** directly from your station or from our website



More information about Clarity and DataApex at:

www.dataapex.com

For technical support contact us at:

support@dataapex.com

DataApex