TEST REPORT

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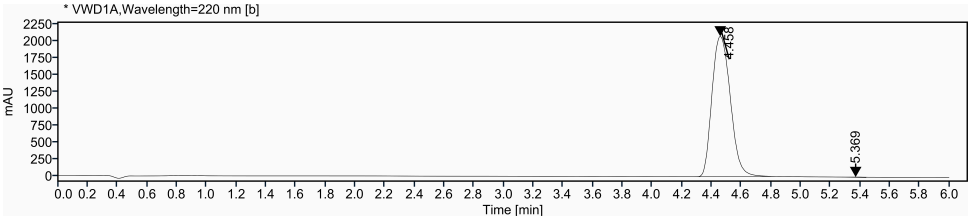
TR40-20260917S8803 **Sample Received: 2026-09-17**

Authentication Code: **Analysis date: 2026-09-18**



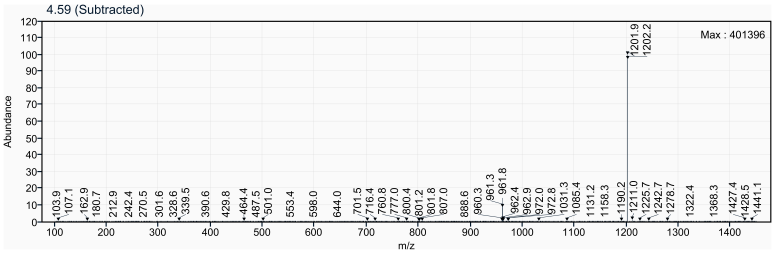
Compound	TR40/Tirzepatide	CAS Number	2023788-19-2
Formula	$C_{225}H_{348}N_{48}O_{68}$	Molecular Weight	4813.45
Manufacturer	N/A		

HPLC-MS Details:



Signal: * VWD1A,Wavelength=220 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
4.458	MM m	0.5461	17945.6654	2086.5959	99.8279
5.369	MM m	0.1625	30.9398	4.2281	0.1721
		Sum	**17976.6052**		



Result:

Test Items	Specification	Results
Appearance	White to off-white powder	White powder
Purity (LCMS/HPLC)	≥ 99.0%	99.82%
Mass Spectrum	Conforms to $[M-4H]^{4-}$	Detected
Net Content	40.93 mg	

Peng Gao, Data Compilation Zhibo Li, Technical Review

重要声明 / Important Notice

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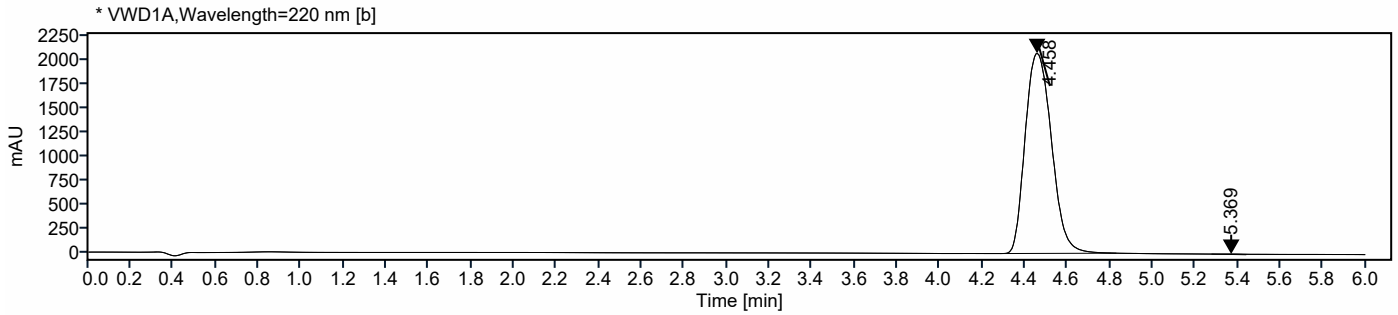
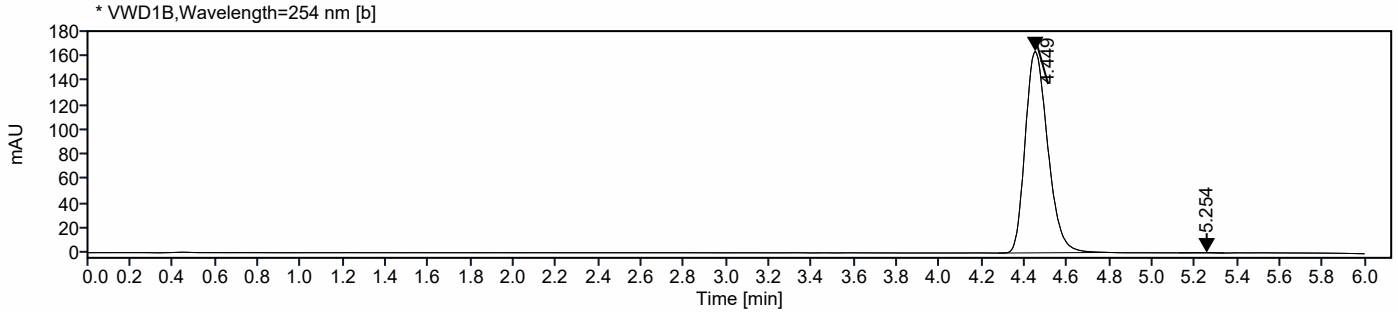
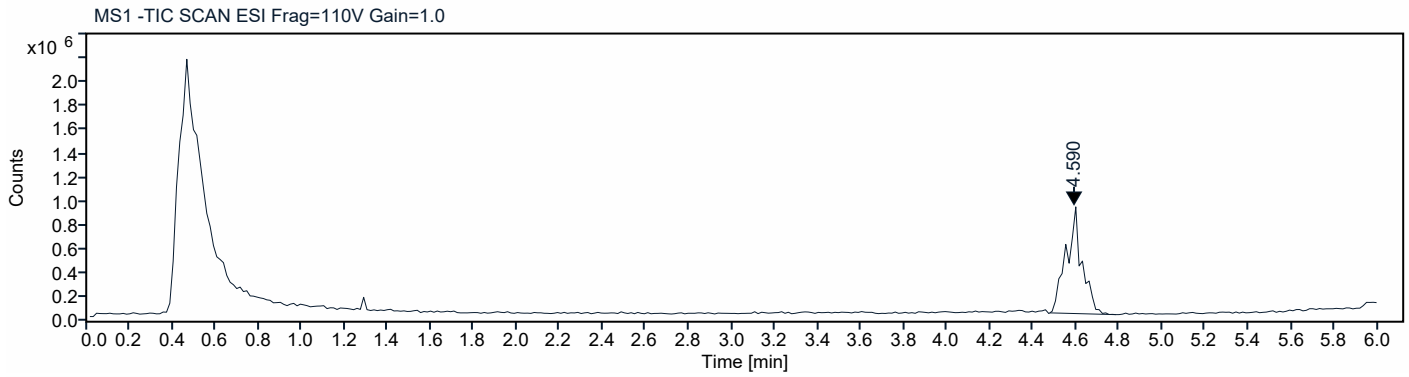
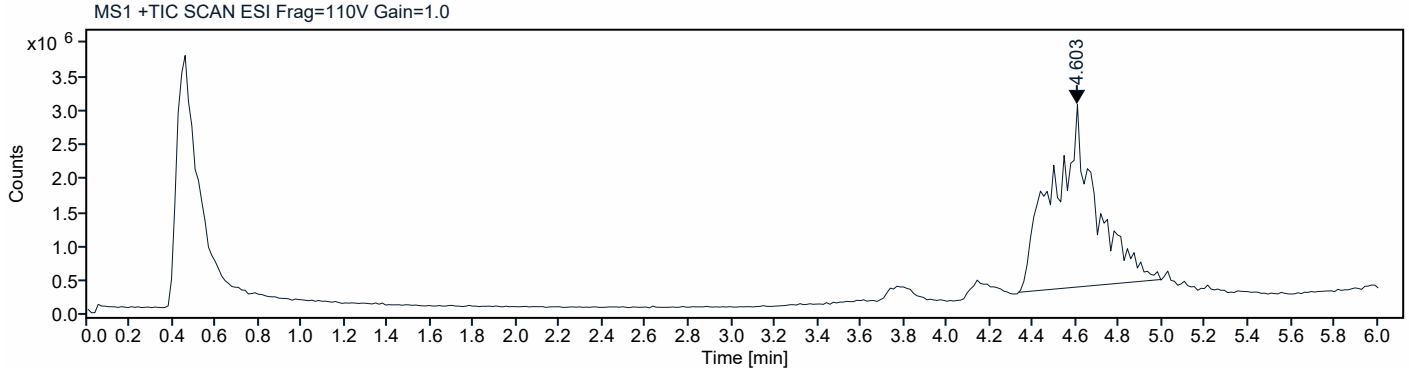
LCMS Sample Purity - Detailed Report

Result set name:	SingleSample		
Data file:	TR40.dx	**Project name:**	2026
Sample name:	TR40	**Operator:**	admin
Instrument:	LCMS	**Acquired on:**	2026-09-18 14:48:24+08:00
Inj. volume:	5.000 µL	**Location:**	P1-F6
Acq. method:	LCMS-02AB.amx		
Processing method:	LCMS-LJJ.pmx		









Signal: MS1 +TIC SCAN ESI Frag=110V Gain=1.0

RT [min]	Type	Width [min]	Area	Height	Area%
4.603	MM m	0.6636	37503910.5428	2683316.5268	100.0000
		Sum	**37503910.5428**		

Signal: MS1 -TIC SCAN ESI Frag=110V Gain=1.0

RT [min]	Type	Width [min]	Area	Height	Area%
4.590	MB m	0.3059	4538624.5896	901776.1474	100.0000
		Sum	**4538624.5896**		

Signal: * VWD1A,Wavelength=220 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
4.458	MM m	0.5461	17945.6654	2086.5959	99.8279
5.369	MM m	0.1625	30.9398	4.2281	0.1721
		Sum	**17976.6052**		

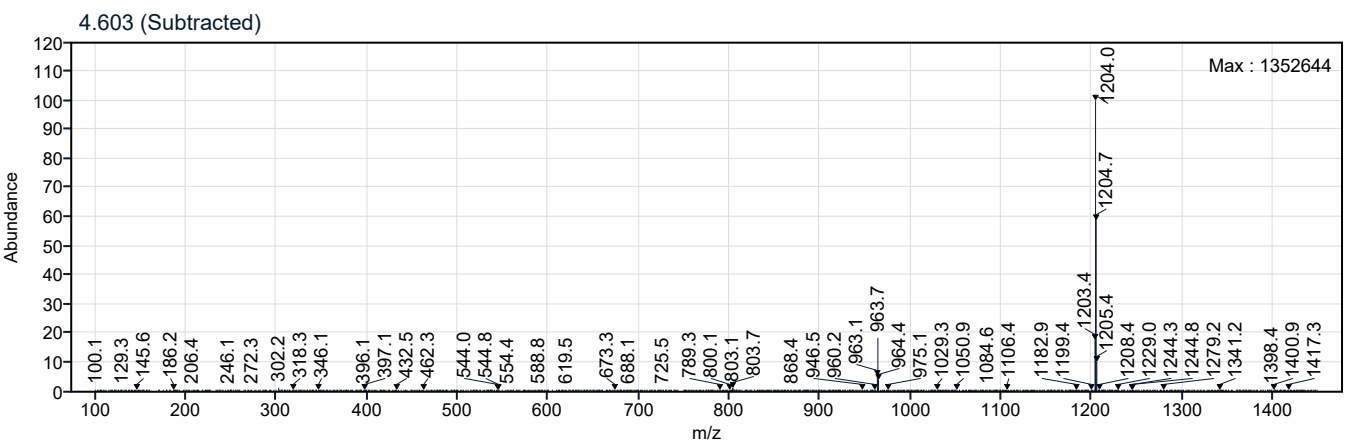
Signal: * VWD1B,Wavelength=254 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
4.449	MM m	0.5145	1207.0765	164.1967	99.8554
5.254	MM m	0.2121	1.7476	0.2487	0.1446
		Sum	**1208.8240**		

Peak Details (Area Percent at least 1%)

Signal Description: MS1 +TIC SCAN ESI Frag=110V Gain=1.0

Peak RT: 4.603 min **Area %:** 100.00%



Signal Description: MS1 -TIC SCAN ESI Frag=110V Gain=1.0

Peak RT: 4.590 min **Area %:** 100.00%

