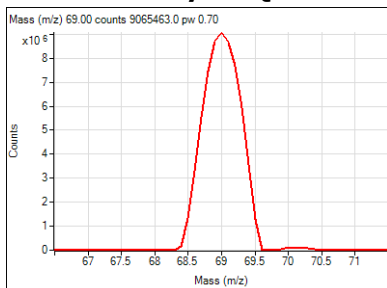


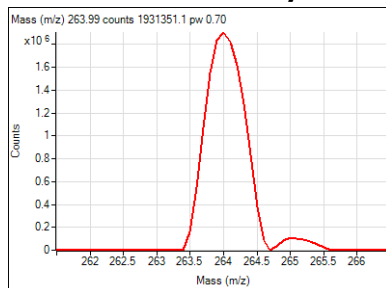
Triple Quadrupole GC/MS Autotune Report

Instrument Name	GCQQ / US1622V104	MS Model	7010
Tune Date & Time	12/6/2022 10:37:27 PM	Source	EI High Efficiency
Tune File	D:\MassHunter\GCMS\1\7010\atunes.eihs.tune.xml		

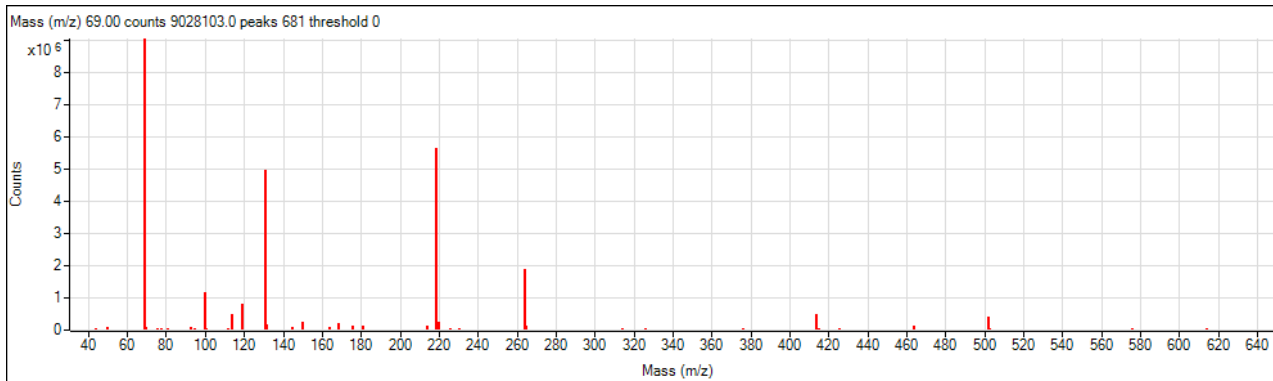
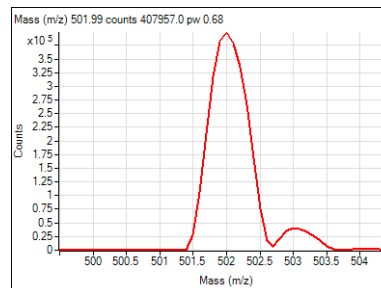
Analyzer: Q1



Ion Polarity: Positive

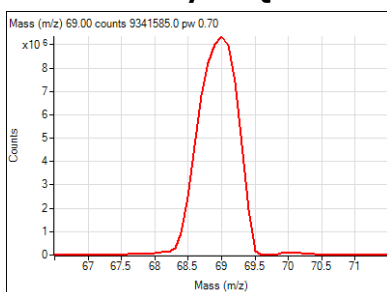


Width: Unit

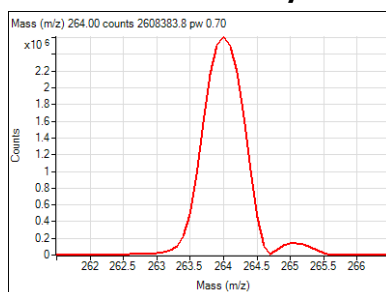


m/z	Abundance	Rel Abund	Isotope	Iso Abund	Iso Ratio
69.00	9028103.0	100.0%	70.10	98783.1	1.1%
219.00	5616228.0	62.2%	220.00	244961.6	4.4%
264.00	1863107.8	20.6%	265.00	104440.8	5.6%
414.00	487910.5	5.4%	415.00	42982.0	8.8%
502.00	382647.2	4.2%	503.00	37193.4	9.7%

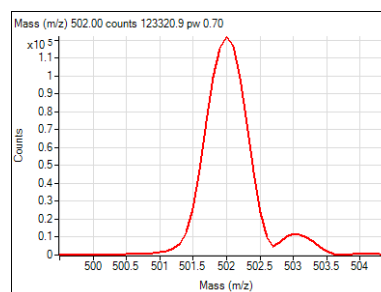
Analyzer: Q2



Ion Polarity: Positive



Width: Unit



Triple Quadrupole GC/MS Autotune Report

Instrument Name	GCQQQ / US1622V104	MS Model	7010
Tune Date & Time	12/6/2022 10:37:27 PM	Source	EI High Efficiency
Tune File	D:\MassHunter\GCMS\1\7010\atunes.eihs.tune.xml		

Instrument Actuals

Source Temp.	270 °C	Rough Vac	1.33E+2 mTorr
MS1 Quad Temp.	150 °C	High Vac	5.55E-5 Torr
MS2 Quad Temp.	150 °C	Turbo 1 Speed	100.0 %
Filament Current	99.6 µA	Turbo 1 Power	31.4 W

Ion Source

Type/mode	EI+	Repeller	5.0 V
Source Temp.	270 °C	Ion Body	7.8 V
Emission	100.0 µA	Extractor	Dynamic V
Energy	70 eV	Post Extractor 1 Offset	-21.2 V
Filament	1	Post Extractor 2	-37.0 V
		Ion Focus	-179.0 V
		Entrance Lens	Dynamic V

Quadrupoles

		Q1		Q2
DC		4.4 V		-6.6 V
Post/Pre Filter		4.4 V		-16.6 V
Temperature		150 °C		150 °C
Polarity		Positive		Negative
DIP Mass	100.00	1000.00 m/z	100.00	1000.00 m/z
DIP Value	4.8	63.7 %	5.5	65.6 %

Resolution	Unit	Wide	Widest	Unit	Wide	Widest
Mass Gain	-0.82	-0.97	-1.09	-0.09	-0.12	-0.16
Mass Offset	Dynamic	-1.669	-1.176	Dynamic	-1.688	-1.270
Width Gain	18.0	18.0	18.0	22.7	22.7	22.7
Width Offset	Dynamic	-0.224	-0.744	Dynamic	-0.200	-0.720

Collision Cell

		Detector	
Cell Entrance	5.4 V	Detector Type	Triple Axis Series 2
Hex DC	4.4 V	Iris	Dynamic V
Hex RF	400 V	HED	-10.0 kV
Hex Accel	-5.0 V	EMV (Gain=1.0E+004)	1075 V
Cell Exit	-1.6 V	Gain Parameter a	11.77224
Collision Energy	0 eV	Gain Parameter b	-72.95988
		Max Gain Factor	17679

Fast Scan

Fast Scan Offset	-4.0 V		
Q1 Mass Gain	16.02	Q2 Mass Gain	4.33
Q1 Mass Offset	0.753	Q2 Mass Offset	-1.396
Q1 Width Gain	18.0	Q2 Width Gain	23.6
Q1 Width Offset	-0.744	Q2 Width Offset	-0.641

Triple Quadrupole GC/MS Autotune Report

Instrument Name	GCQQQ / US1622V104	MS Model	7010
Tune Date & Time	12/6/2022 10:37:27 PM	Source	EI High Efficiency
Tune File	D:\MassHunter\GCMS\1\7010\atunes.eihs.tune.xml		

Dynamic Ramp Tables

MS1 Mass Axis Offset

m/z	69.00	219.00	264.00	414.00	502.00
Setting	-1.840	-1.799	-1.790	-1.838	-1.865

MS1 Width Offset

m/z	69.00	219.00	264.00	414.00	502.00
Setting	-0.025	-0.022	-0.022	-0.022	-0.024

MS2 Mass Axis Offset

m/z	69.00	219.00	264.00	414.00	502.00
Setting	-1.899	-1.793	-1.815	-1.842	-1.880

MS2 Width Offset

m/z	69.00	219.00	264.00	414.00	502.00
Setting	-0.001	-0.001	-0.005	0.001	-0.004

Iris

m/z	69.00	219.00	264.00	414.00	502.00	1050.00
Setting	-2.500	-6.000	-11.500	-19.500	-24.000	-52.000

Entrance Lens

m/z	69.00	264.00	414.00	502.00
Setting	-19.000	-19.800	-20.800	-22.000

Extractor

m/z	69.00	264.00	502.00
Setting	15.300	16.000	16.300

Scan Speed Correction Factor

	Q1	Q2
a0	-0.004223	0.000106
a1	0.997532	0.457459
a2	-0.016047	-0.092719
b0	-0.033364	-0.001436
b1	5.473117	0.871678
b2	-0.020898	0.621805

Diagnostic Information

Air/Water Check: H2O 0.76% (<=20.00%), O2 0.41% (<=2.50%), N2 1.52% (<=10.00%)

Detector Dark Current Check: Baseline 458, Threshold 342, HED On Pulse Count 1, HED Off Pulse Count 0