Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043096.D
Acq On : 09 Oct 2025 20:04
Operator : SY/MD
Sample : Q3320-10 8X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 22:20:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SV5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.777	49	196019	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.939	114	525980	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.862	117	487210	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.361	95	405687	11.559	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 115.600%				
Target Compounds							Qvalue
10) Heptane	4.952	43	4025m	0.127	ppbv		
13) Ethanol	1.716	45	19546	40.587	ppbv		99
15) Acetone	1.829	43	250875	9.141	ppbv		98
17) tert-Butyl alcohol	2.036	59	6310	0.217	ppbv	#	79
19) Isopropyl Alcohol	1.881	45	44620	3.393	ppbv	#	1
20) Methylene Chloride	2.055	84	3178	0.265	ppbv	#	81
26) Hexane	2.816	57	26630	1.005	ppbv	#	32
34) 2-Butanone	2.554	43	3769	0.106	ppbv		98
38) Trichloroethene	4.525	130	2684	0.128	ppbv		89
52) Tetrachloroethene	8.202	164	14338	0.771	ppbv		93
53) Toluene	6.910	91	14491	0.286	ppbv		100
59) m/p-Xylene	9.513	91	7279m	0.114	ppbv		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_L
ClientSampleId :
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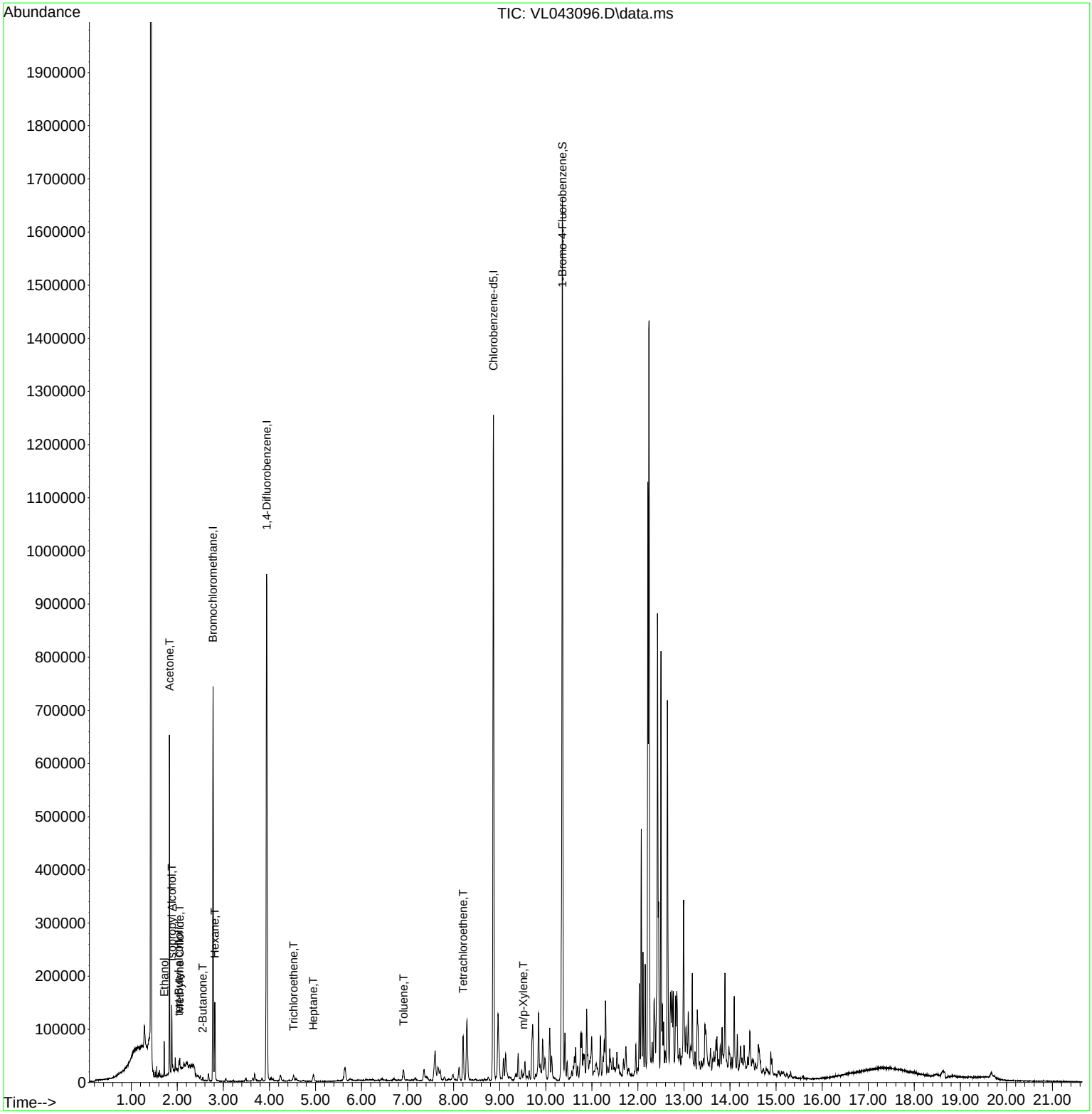
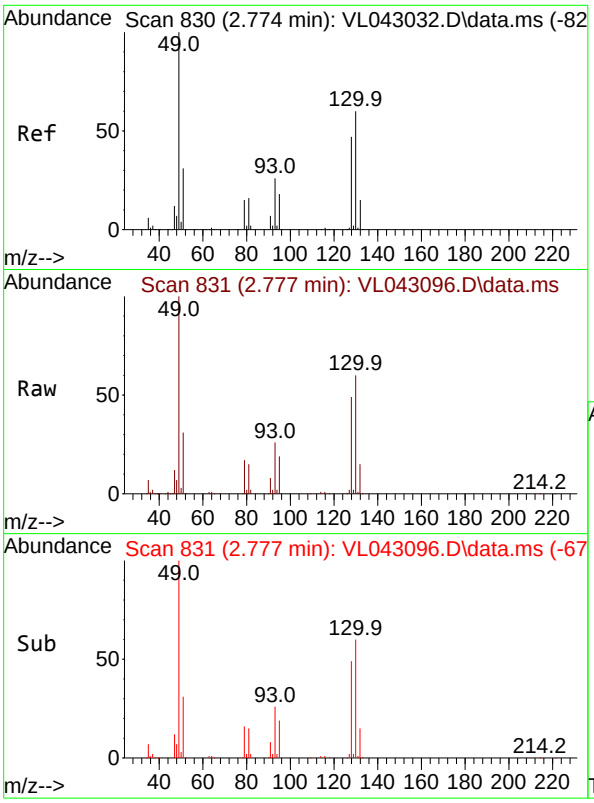
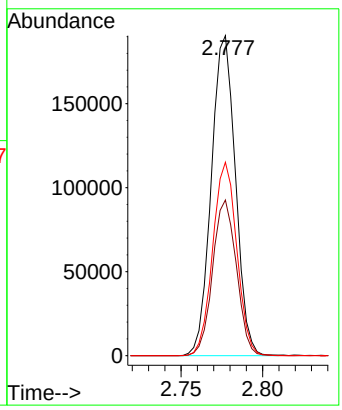




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion: 49 Resp: 19601

Ion	Ratio	Lower	Upper
49	100		
128	48.0	24.1	72.2
130	60.2	31.4	94.3



Instrument :
MSVOA_L
ClientSampleId :
SV5

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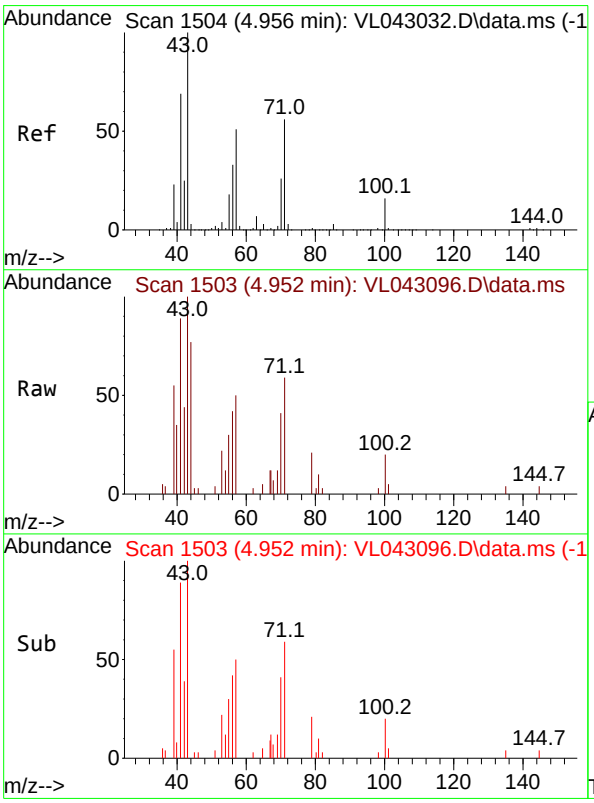
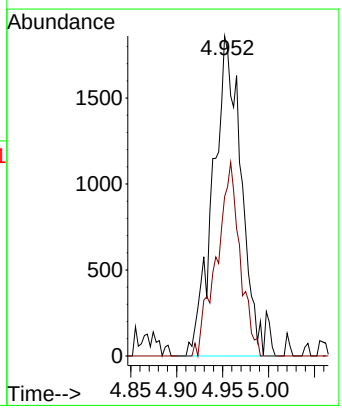
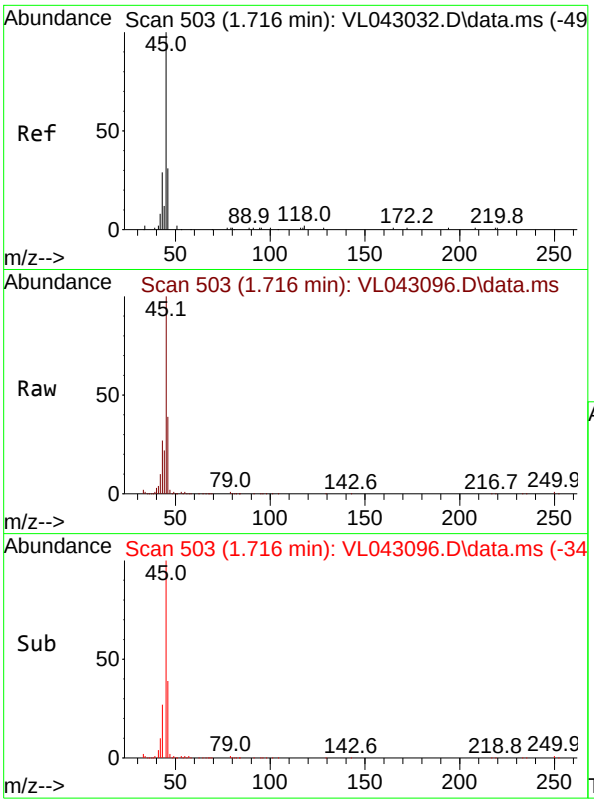


#10
Heptane
Concen: 0.127 ppbv m
RT: 4.952 min Scan# 1503
Delta R.T. -0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion: 43 Resp: 4025

Ion	Ratio	Lower	Upper
43	100		
57	49.8	40.3	60.5





#13
Ethanol
Concen: 40.587 ppbv
RT: 1.716 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion: 45 Resp: 1954(

Ion	Ratio	Lower	Upper
45	100		
46	44.1	17.8	71.4

Instrument :
MSVOA_L
ClientSampleId :
SV5

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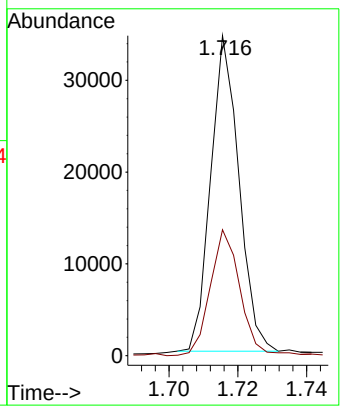
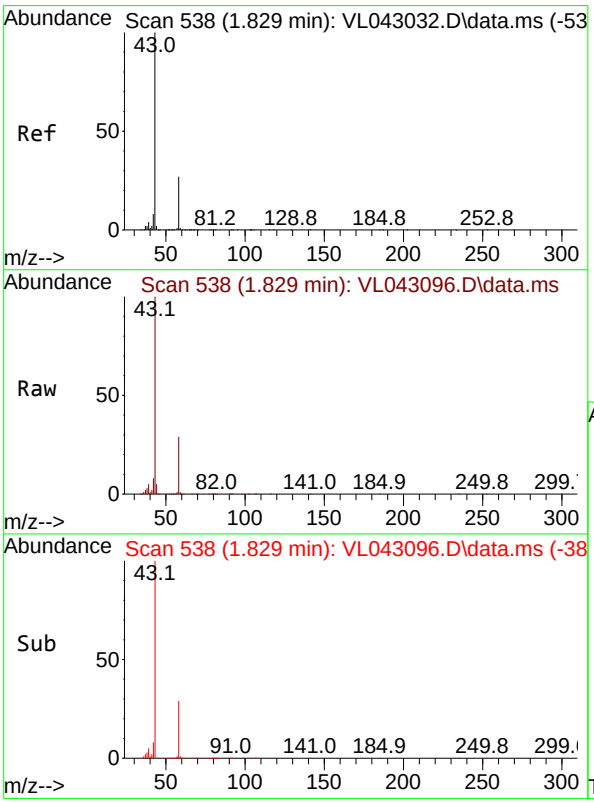
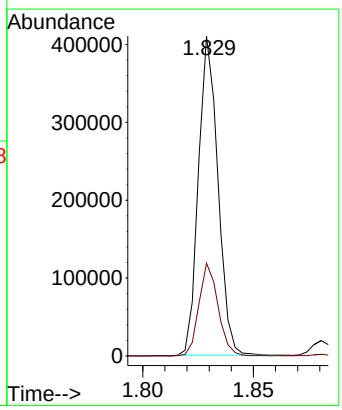


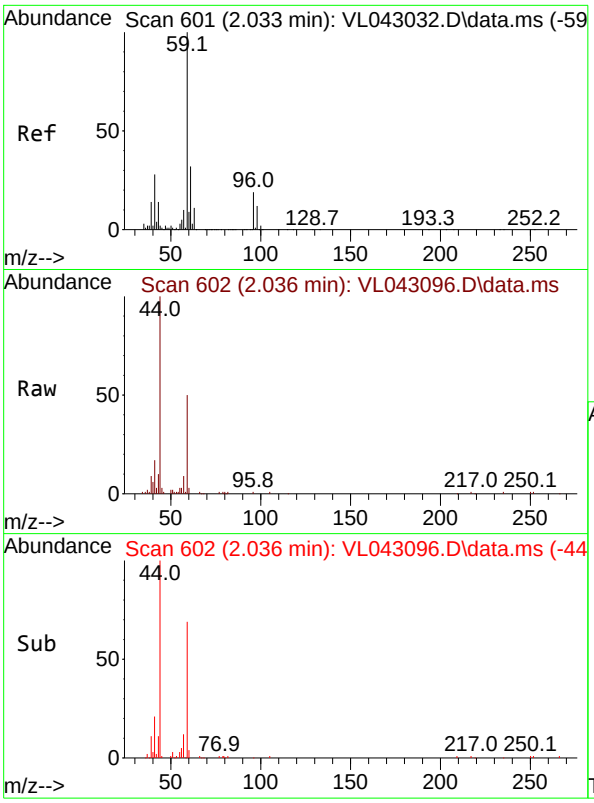


#15
Acetone
Concen: 9.141 ppbv
RT: 1.829 min Scan# 538
Delta R.T. -0.000 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion: 43 Resp: 250875

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.2	33.4





#17
tert-Butyl alcohol
Concen: 0.217 ppbv
RT: 2.036 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion: 59 Resp: 631

Ion	Ratio	Lower	Upper
59	100		
57	18.4	8.5	12.7#

Instrument :
MSVOA_L
ClientSampleId :
SV5

Manual Integrations
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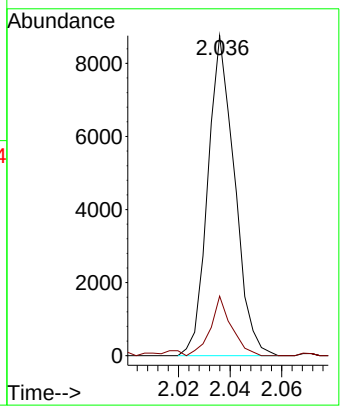
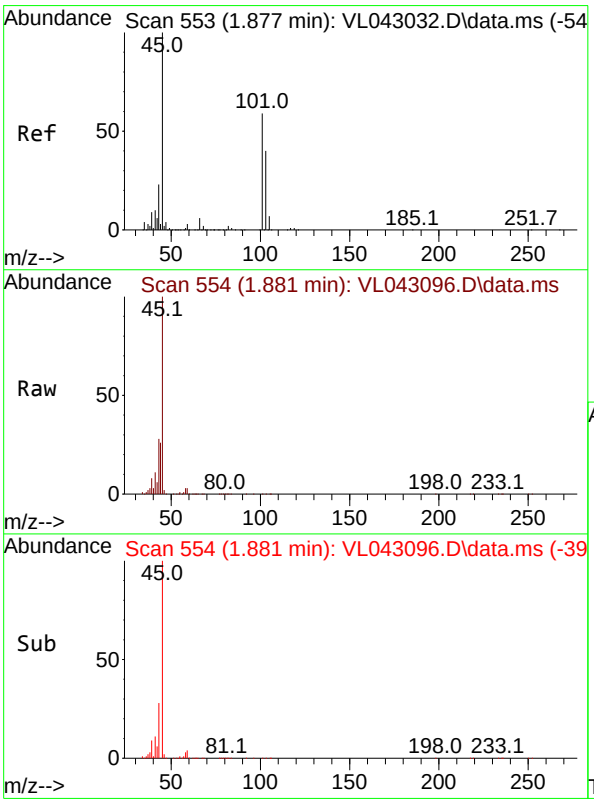
Supervised By :Mahesh Dadoda 10/10/2025

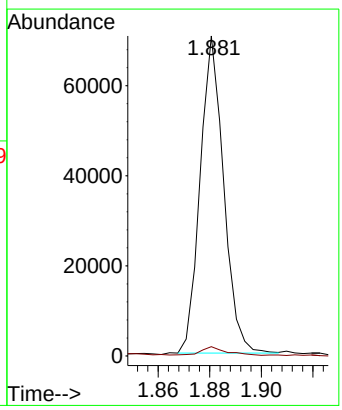


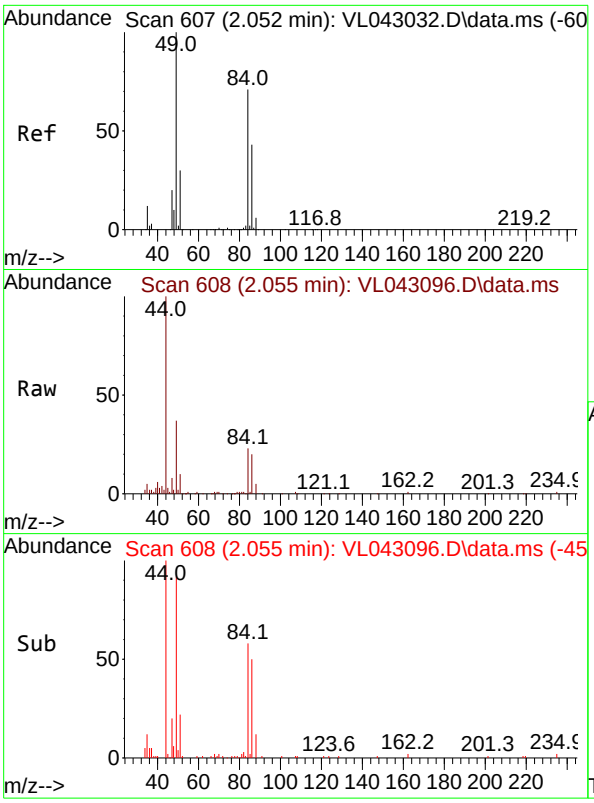


#19
Isopropyl Alcohol
Concen: 3.393 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion: 45 Resp: 44620

Ion	Ratio	Lower	Upper
45	100		
58	160.9	42.3	63.5#

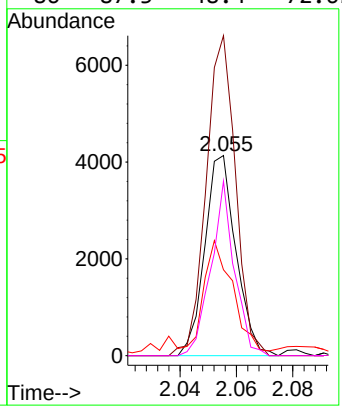




#20
Methylene Chloride
Concen: 0.265 ppbv
RT: 2.055 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion: 84 Resp: 317

Ion	Ratio	Lower	Upper
84	100		
49	159.9	112.5	168.7
51	39.6	34.2	51.2
86	87.3	48.4	72.6#



Instrument :
MSVOA_L
ClientSampleId :
SV5

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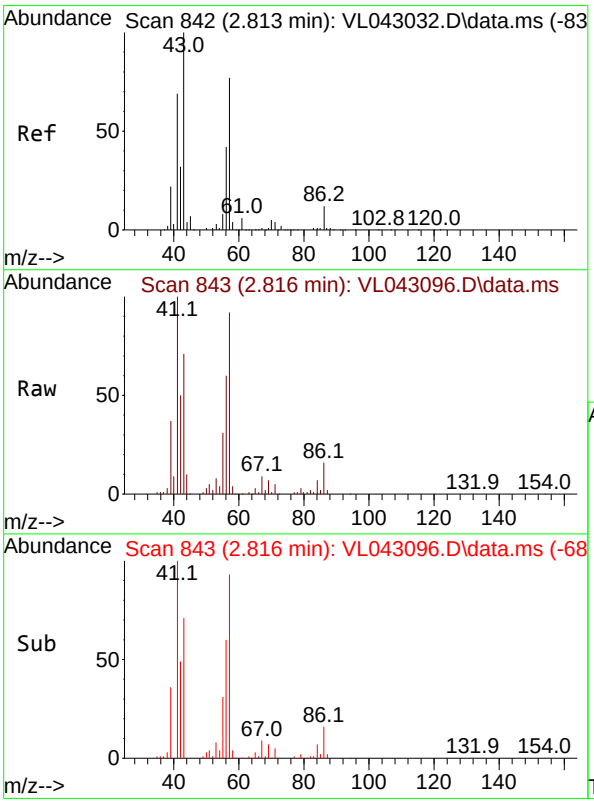
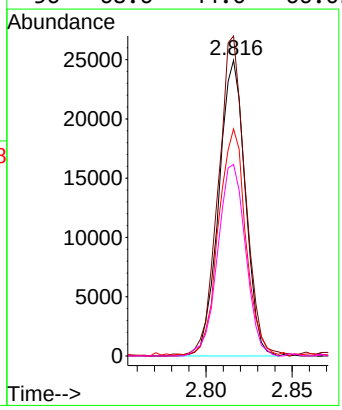
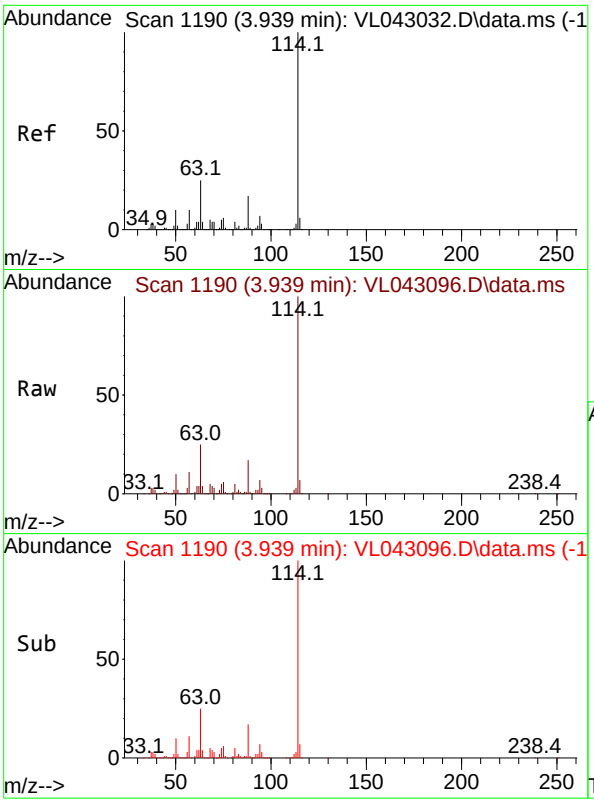


#26
Hexane
Concen: 1.005 ppbv
RT: 2.816 min Scan# 843
Delta R.T. 0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion: 57 Resp: 26630

Ion	Ratio	Lower	Upper
57	100		
41	111.4	76.1	114.1
43	80.5	201.4	302.0#
56	68.6	44.0	66.0#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion:114 Resp: 52598

Ion	Ratio	Lower	Upper
114	100		
63	25.4	19.4	29.2
88	17.3	13.9	20.9

Instrument :
MSVOA_L
ClientSampleId :
SV5

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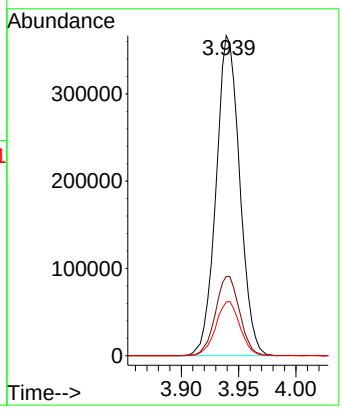
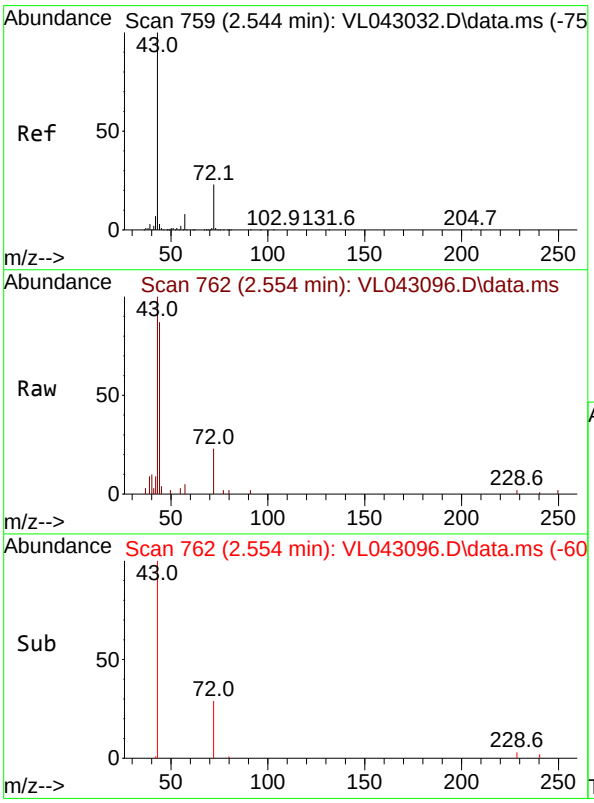
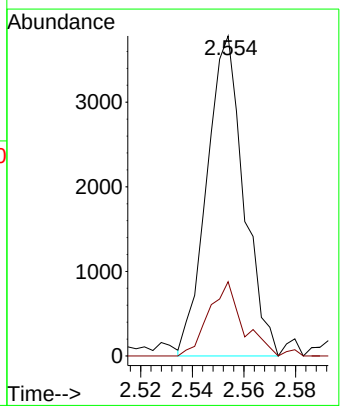


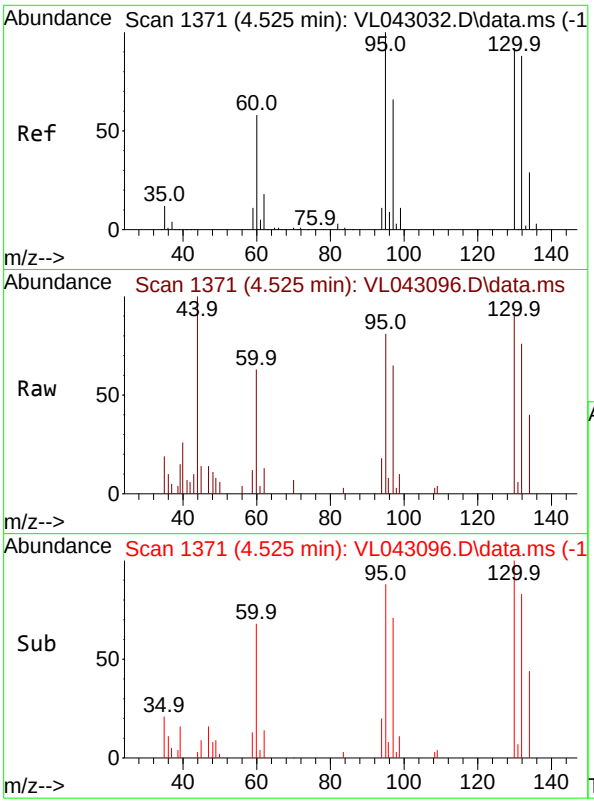


#34
2-Butanone
Concen: 0.106 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.010 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion: 43 Resp: 3769

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.4	27.6

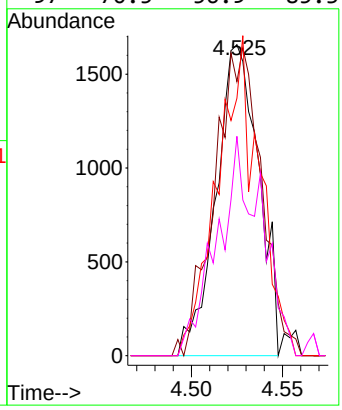




#38
Trichloroethene
Concen: 0.128 ppbv
RT: 4.525 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion:130 Resp: 268

Ion	Ratio	Lower	Upper
130	100		
95	91.1	86.4	129.6
132	82.8	75.7	113.5
97	70.5	56.9	85.3



Instrument :
MSVOA_L
ClientSampleId :
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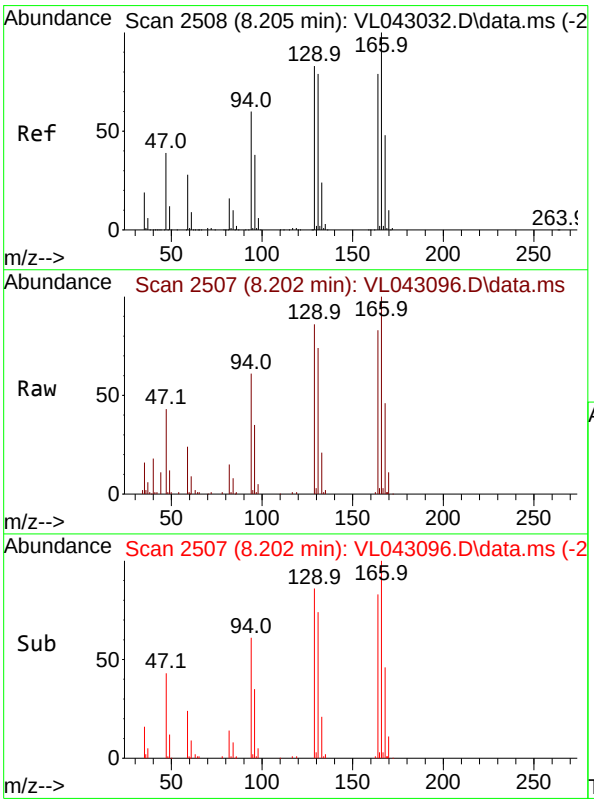
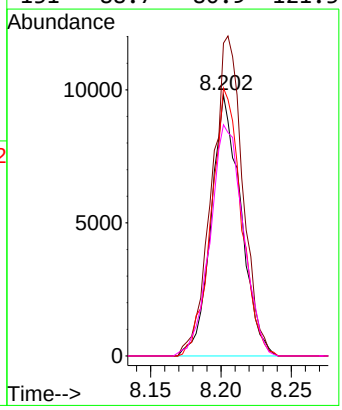
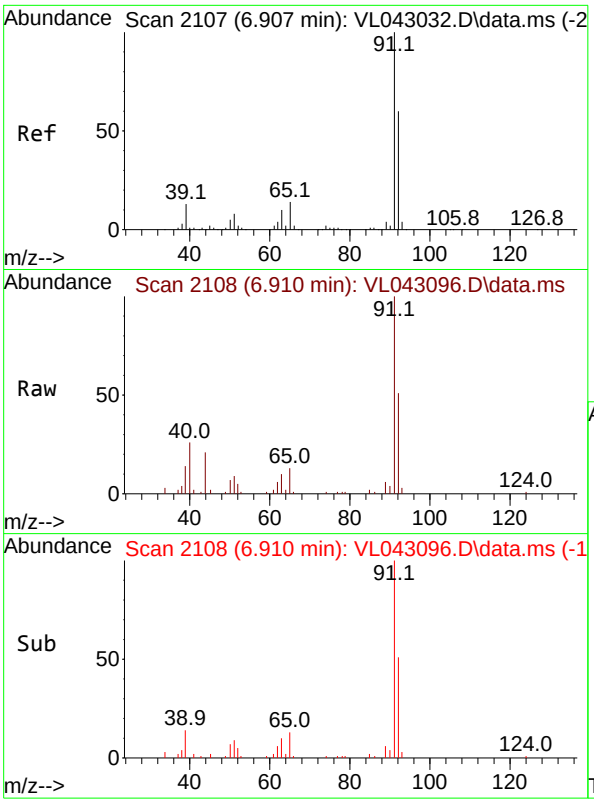


#52
Tetrachloroethene
Concen: 0.771 ppbv
RT: 8.202 min Scan# 2507
Delta R.T. -0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion:164 Resp: 14338

Ion	Ratio	Lower	Upper
164	100		
166	120.0	101.8	152.8
129	102.7	84.5	126.7
131	88.7	80.9	121.3





#53
Toluene
Concen: 0.286 ppbv
RT: 6.910 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion: 91 Resp: 1449

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.8	71.6

Instrument :
MSVOA_L
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SV5

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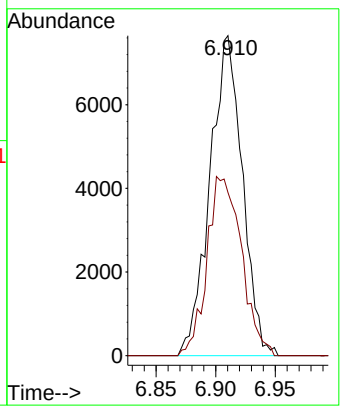
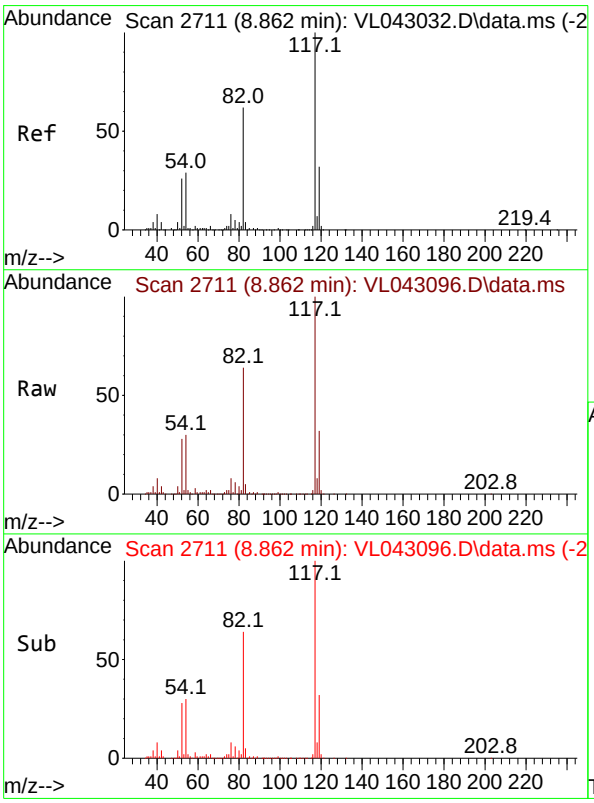
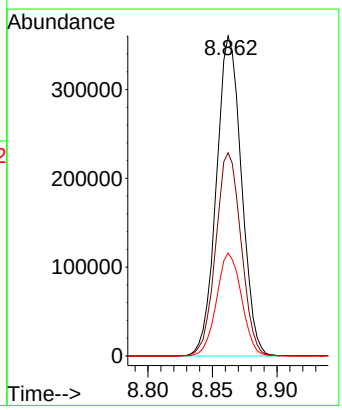


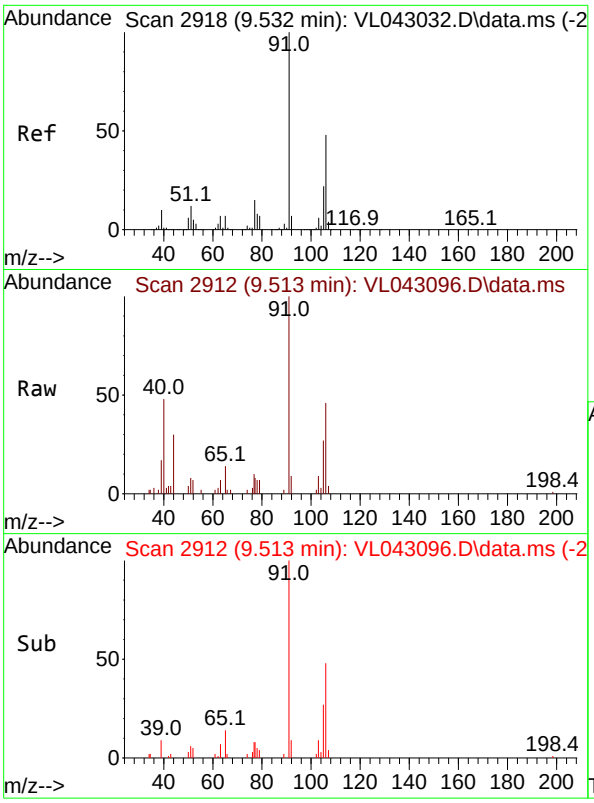


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. -0.000 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion:117 Resp: 487210

Ion	Ratio	Lower	Upper
117	100		
82	64.3	53.0	79.6
119	32.1	25.4	38.2





#59
m/p-Xylene
Concen: 0.114 ppbv m
RT: 9.513 min Scan# 2
Delta R.T. -0.020 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion: 91 Resp: 727

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.5	56.3#

Instrument :
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ClientSampleId :
SV5

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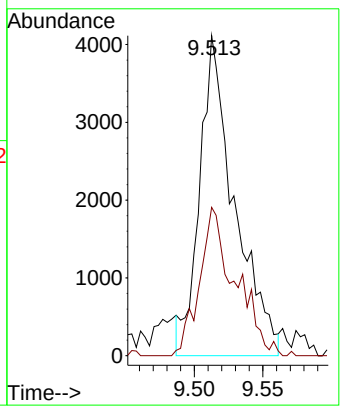

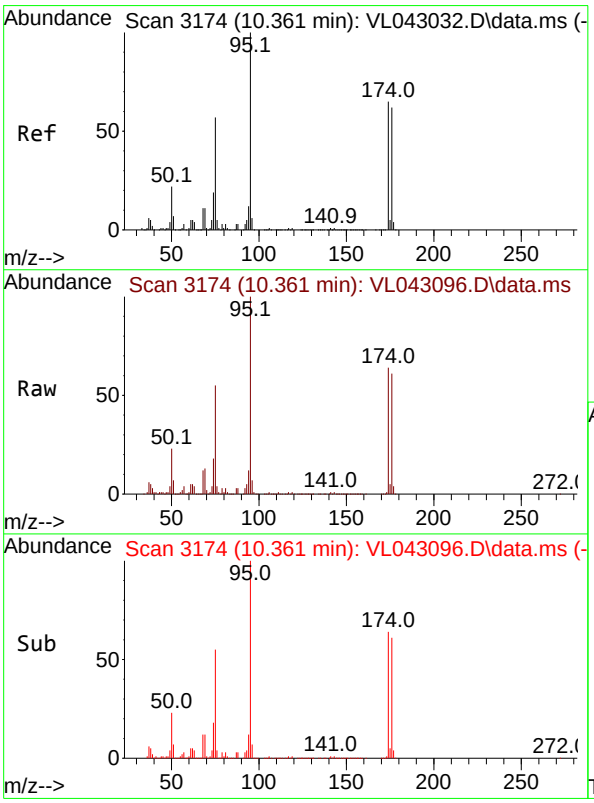

#68
1-Bromo-4-Fluorobenzene
Concen: 11.559 ppbv
RT: 10.361 min Scan# 3174
Delta R.T. -0.000 min
Lab File: VL043096.D
Acq: 09 Oct 2025 20:04

Tgt Ion: 95 Resp: 405687

Ion	Ratio	Lower	Upper
95	100		
174	64.6	52.3	78.5
175	4.8	3.8	5.8