

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
 Data File : VL043274.D
 Acq On : 20 Nov 2025 20:43
 Operator : SY/MD
 Sample : Q3698-03DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

Quant Time: Nov 21 00:43:44 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.781	49	105138	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	264251	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	208021	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	160870	10.550	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.500%
Target Compounds						
2) Dichlorodifluoromethane	1.492	85	1601	0.108	ppbv	92
4) Chloromethane	1.528	50	609	0.110	ppbv	94
9) Propene	1.486	41	1543m	0.249	ppbv	
13) Ethanol	1.719	45	8582	3.941	ppbv #	38
15) Acetone	1.832	43	909419	62.258	ppbv	98
26) Hexane	2.816	57	3752	0.272	ppbv #	67
34) 2-Butanone	2.557	43	3832	0.205	ppbv	96
36) Benzene	3.645	78	3715	0.147	ppbv #	83
53) Toluene	6.927	91	13085m	0.437	ppbv	
58) Ethyl Benzene	9.344	91	79579	1.988	ppbv	96
59) m/p-Xylene	9.519	91	340301	10.601	ppbv	99
60) o-Xylene	9.953	91	96189	3.000	ppbv	97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043274.D
Acq On : 20 Nov 2025 20:43
Operator : SY/MD
Sample : Q3698-03DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

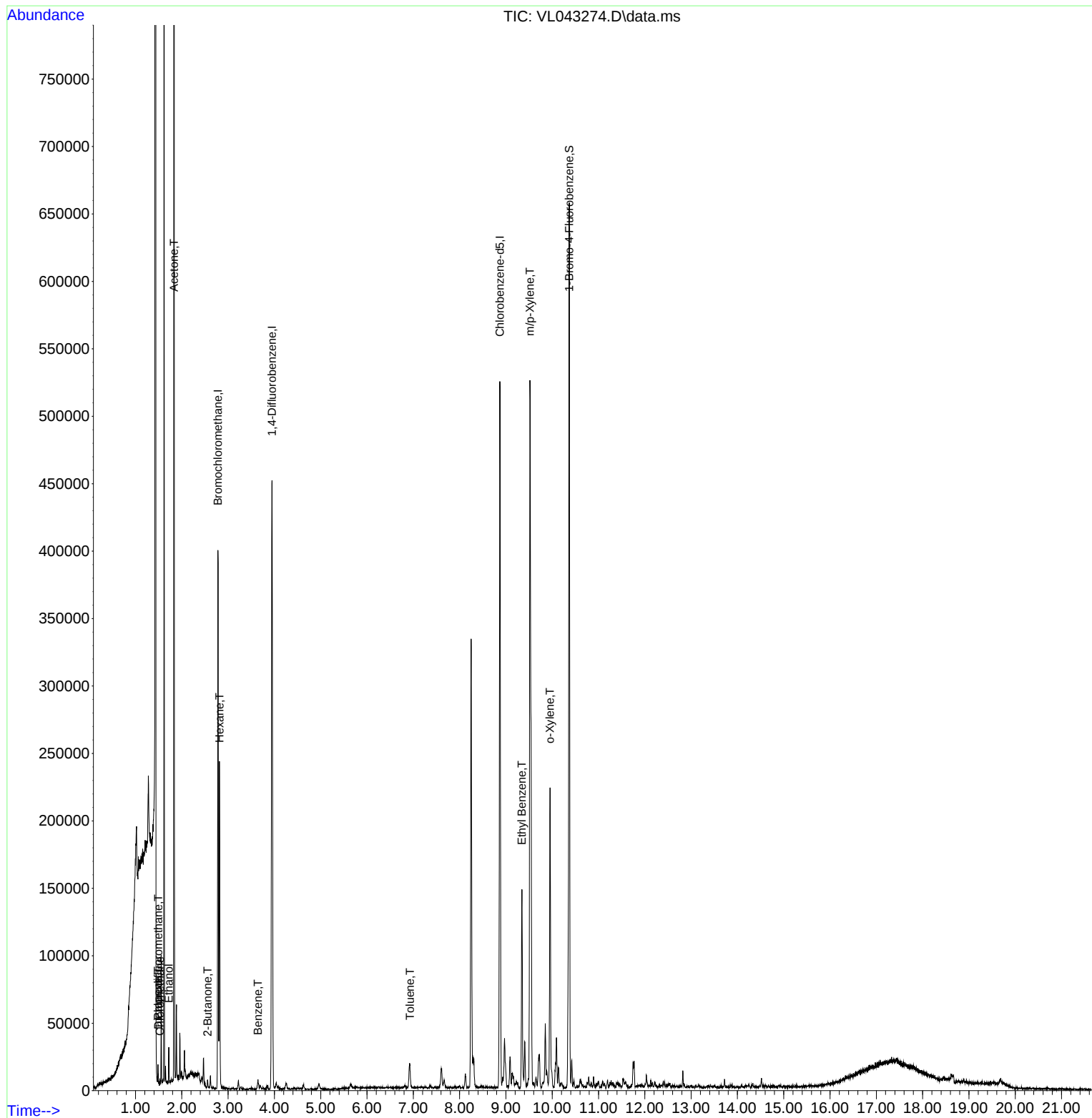
Quant Time: Nov 21 00:43:44 2025

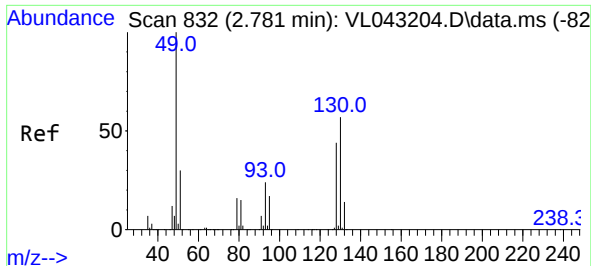
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration





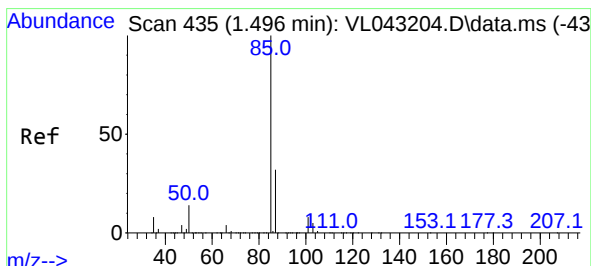
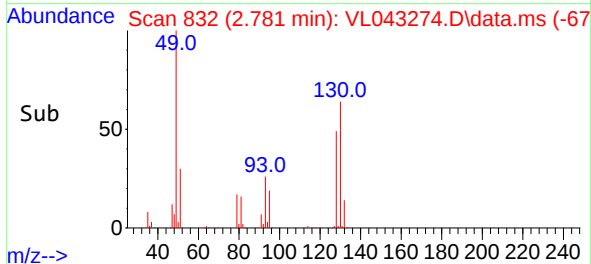
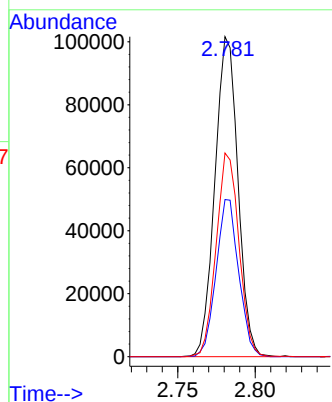
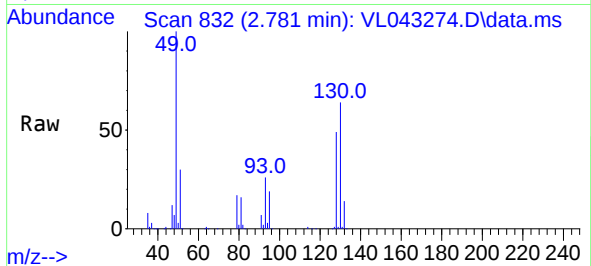
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 49 Resp: 105138
Ion Ratio Lower Upper
49 100
128 48.2 23.0 69.0
130 63.0 29.9 89.7

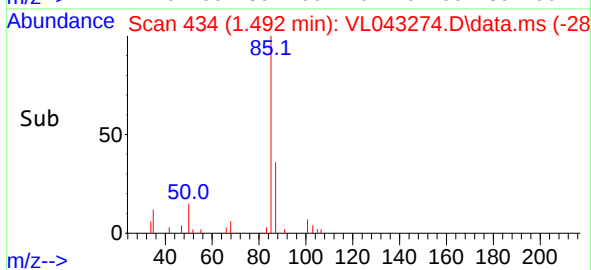
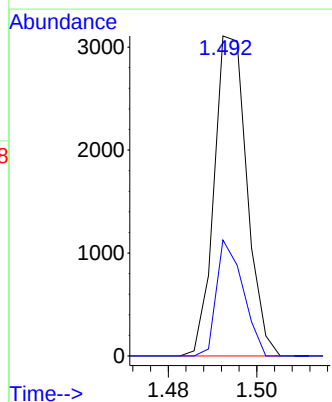
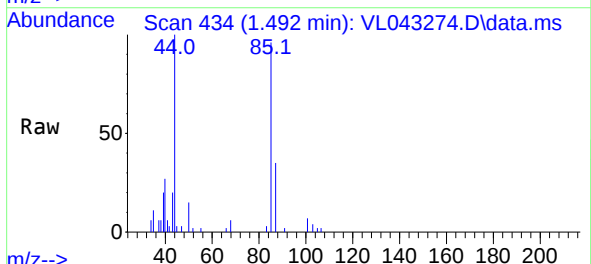
Manual Integrations
APPROVED

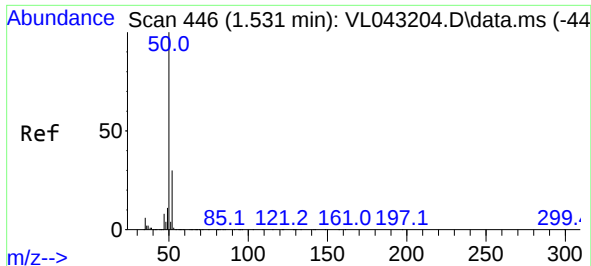
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#2
Dichlorodifluoromethane
Concen: 0.108 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.003 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43

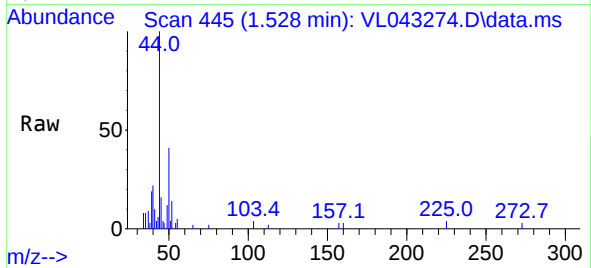
Tgt Ion: 85 Resp: 1601
Ion Ratio Lower Upper
85 100
87 36.3 25.4 38.2





#4
Chloromethane
Concen: 0.110 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.004 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43

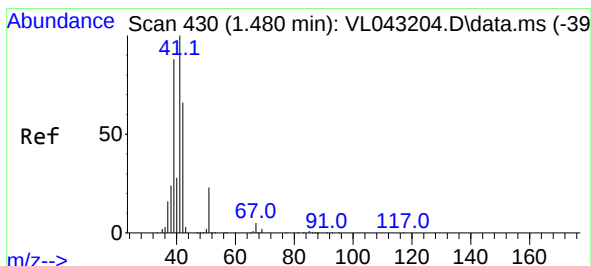
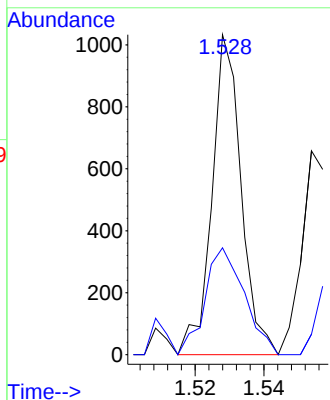
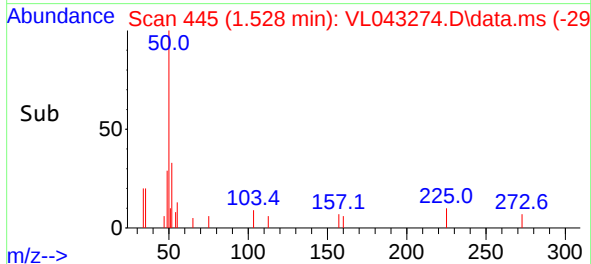
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 50 Resp: 609
Ion Ratio Lower Upper
50 100
52 33.4 24.1 36.1

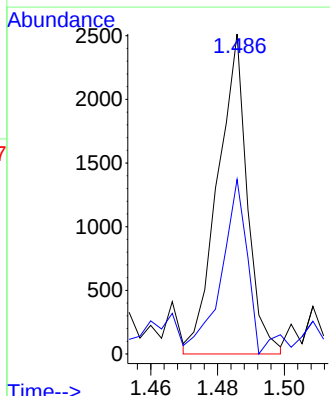
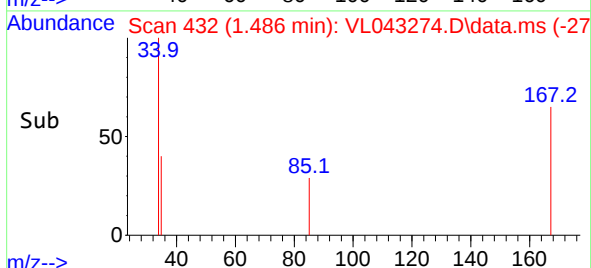
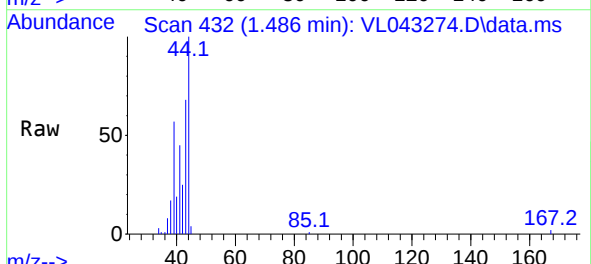
Manual Integrations
APPROVED

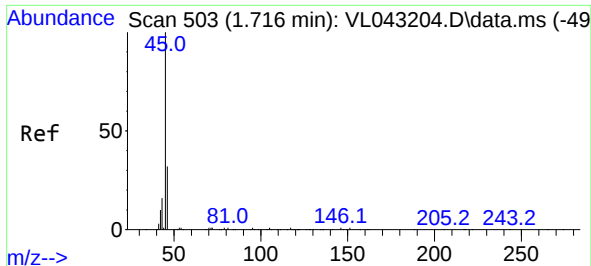
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#9
Propene
Concen: 0.249 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.006 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43

Tgt Ion: 41 Resp: 1543
Ion Ratio Lower Upper
41 100
42 490.6 3.7 5.5#





#13

Ethanol

Concen: 3.941 ppbv

RT: 1.719 min Scan# 503

Delta R.T. 0.003 min

Lab File: VL043274.D

Acq: 20 Nov 2025 20:43

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tgt Ion: 45 Resp: 858

Ion Ratio Lower Upper

45 100

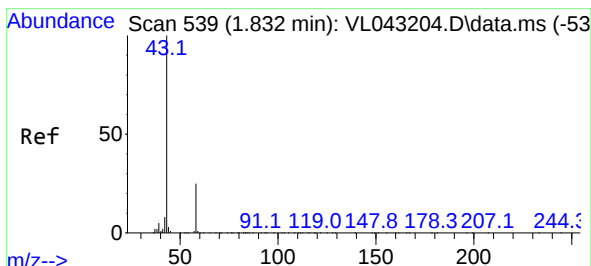
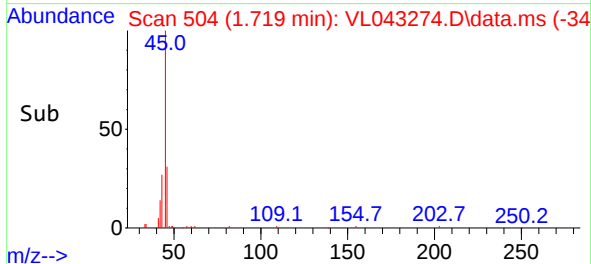
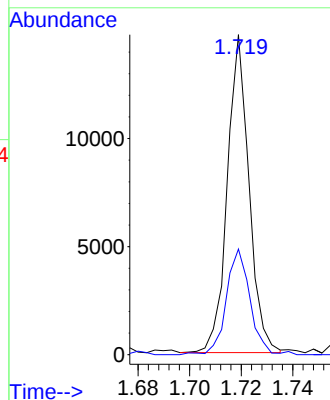
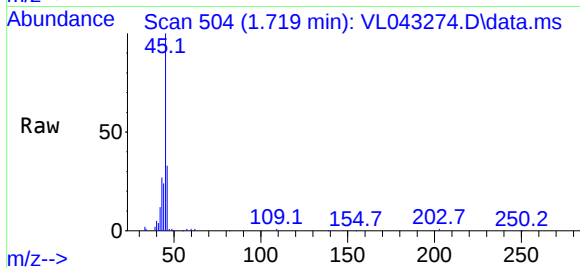
46 0.0 15.0 59.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025

Supervised By :Mahesh Dadoda 11/21/2025



#15

Acetone

Concen: 62.258 ppbv

RT: 1.832 min Scan# 539

Delta R.T. -0.000 min

Lab File: VL043274.D

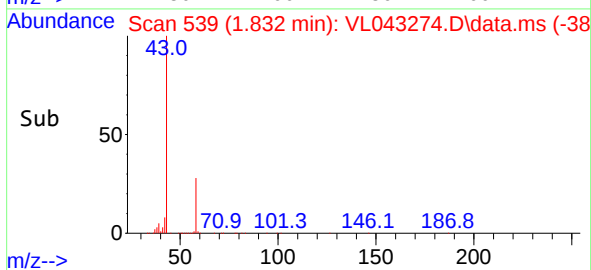
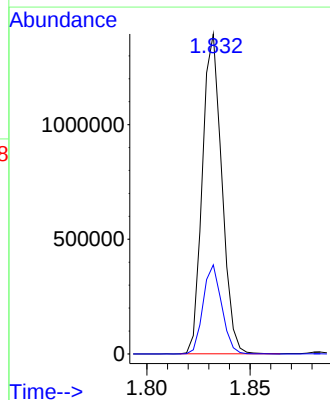
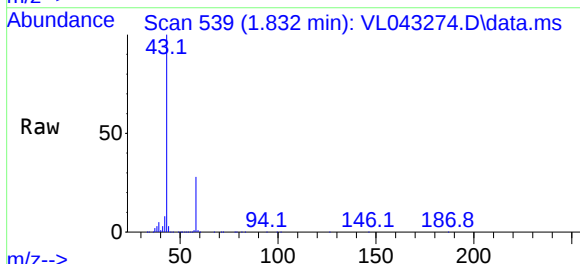
Acq: 20 Nov 2025 20:43

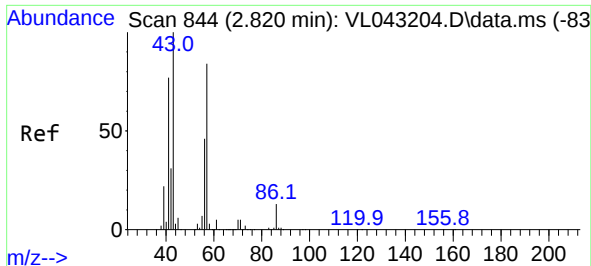
Tgt Ion: 43 Resp: 909419

Ion Ratio Lower Upper

43 100

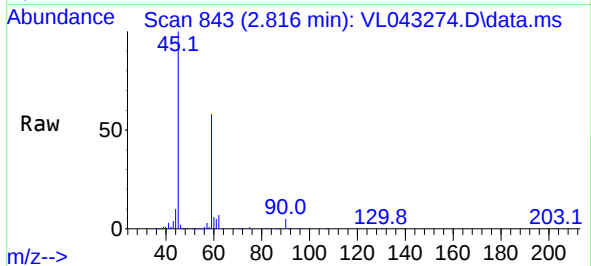
58 26.7 20.7 31.1





#26
Hexane
Concen: 0.272 ppbv
RT: 2.816 min Scan# 844
Delta R.T. -0.003 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43

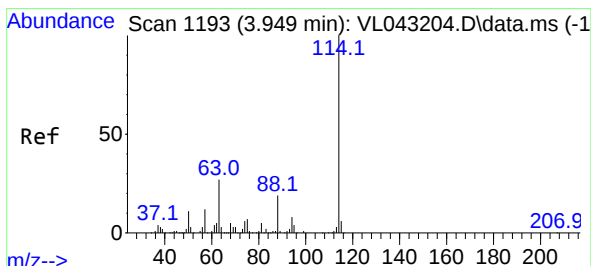
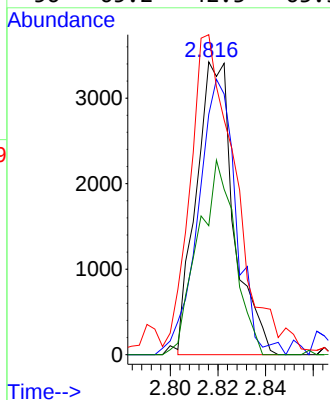
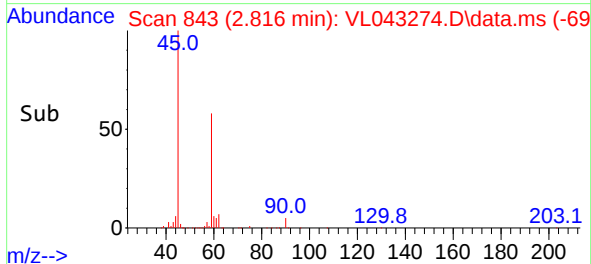
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 57 Resp: 3752
Ion Ratio Lower Upper
57 100
41 96.2 74.6 111.8
43 143.4 179.0 268.4
56 65.2 42.3 63.5#

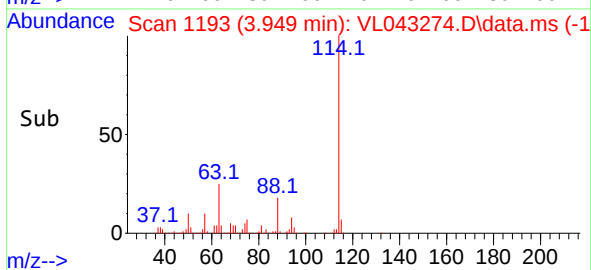
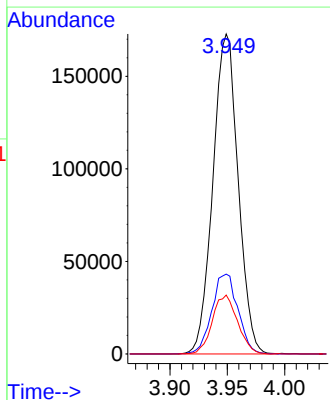
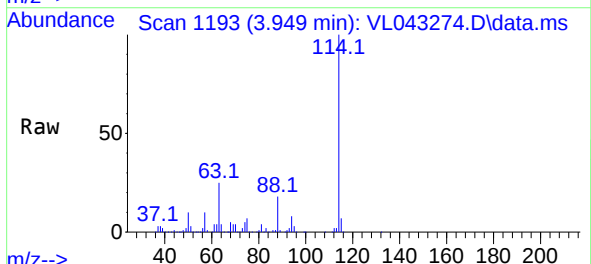
Manual Integrations
APPROVED

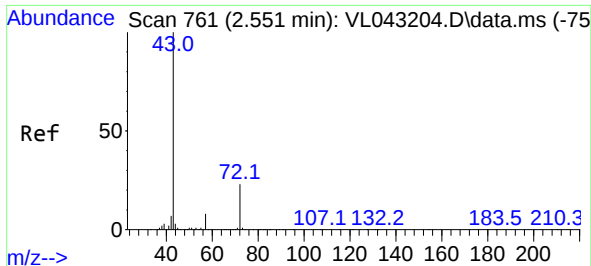
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43

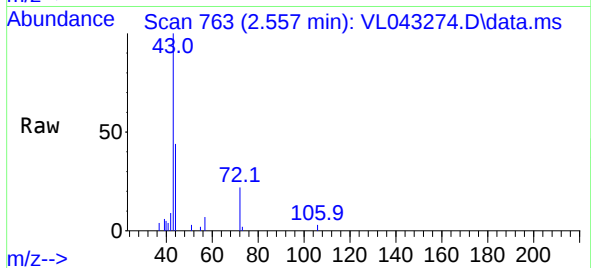
Tgt Ion:114 Resp: 264251
Ion Ratio Lower Upper
114 100
63 25.8 21.0 31.6
88 18.5 14.9 22.3





#34
2-Butanone
Concen: 0.205 ppbv
RT: 2.557 min Scan# 70
Delta R.T. 0.006 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43

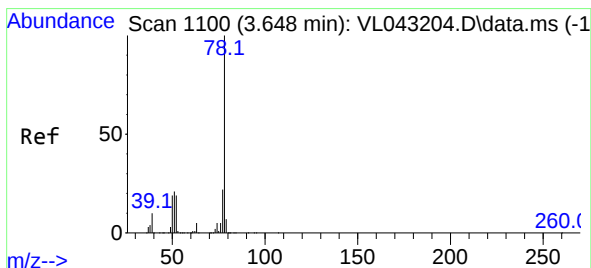
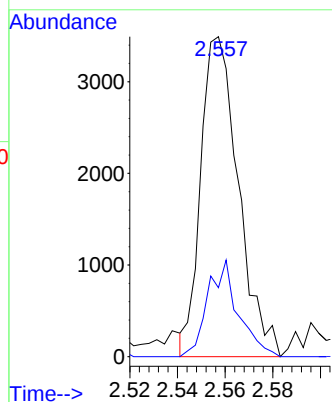
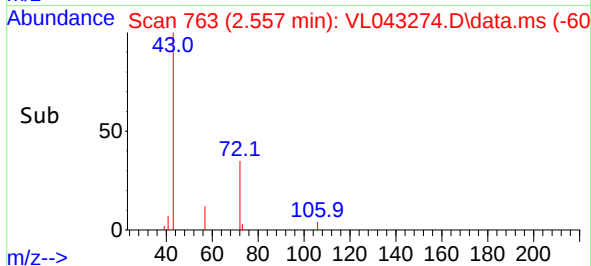
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



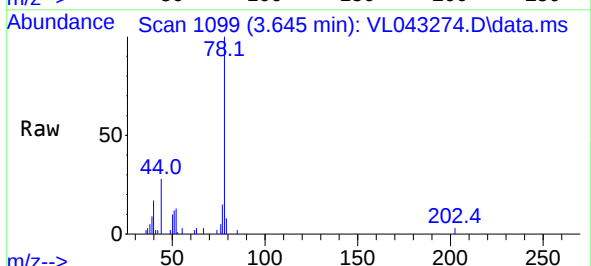
Tgt Ion: 43 Resp: 3832
Ion Ratio Lower Upper
43 100
72 24.5 18.1 27.1

Manual Integrations
APPROVED

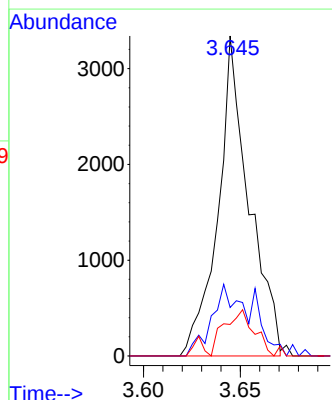
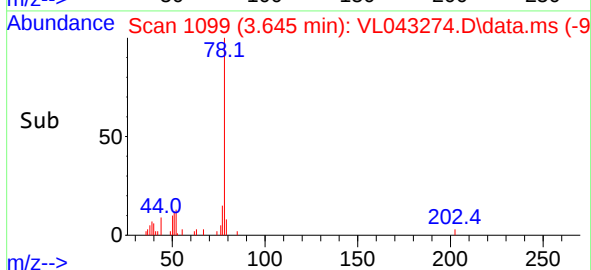
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

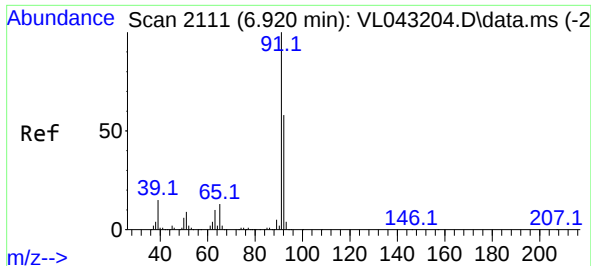


#36
Benzene
Concen: 0.147 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.003 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43



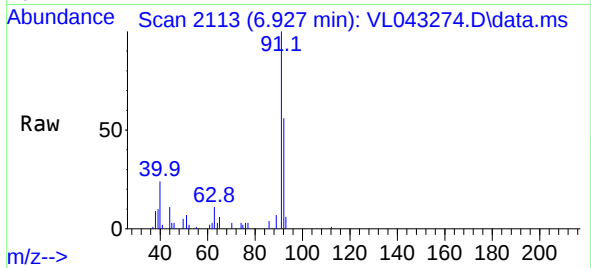
Tgt Ion: 78 Resp: 3715
Ion Ratio Lower Upper
78 100
77 15.1 17.5 26.3#
50 9.8 15.5 23.3#





#53
Toluene
Concen: 0.437 ppbv m
RT: 6.927 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43

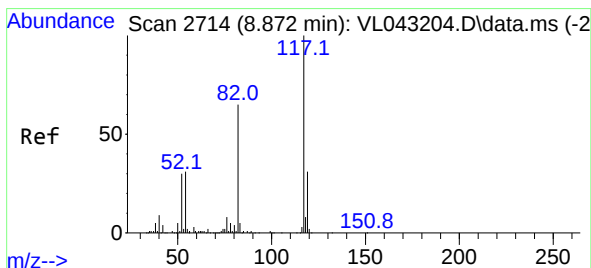
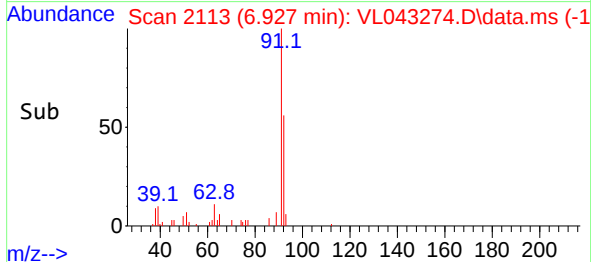
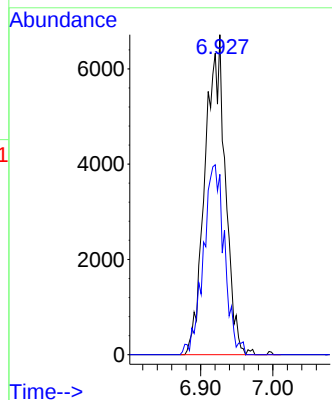
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 91 Resp: 1308
Ion Ratio Lower Upper
91 100
92 61.8 47.4 71.0

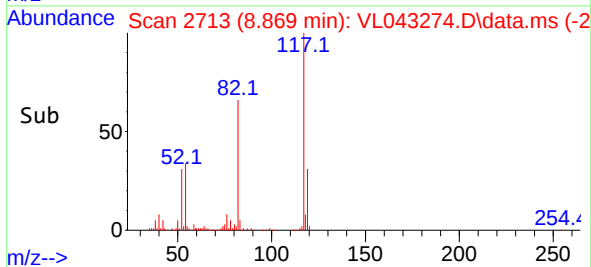
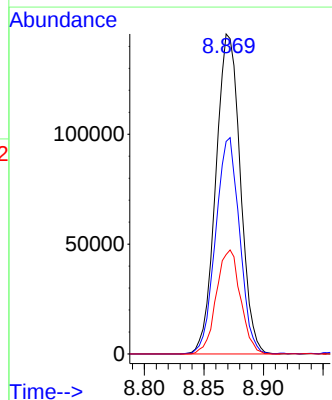
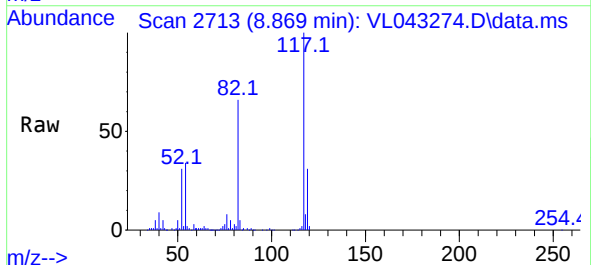
Manual Integrations
APPROVED

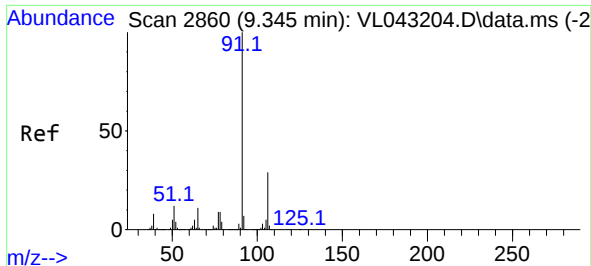
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2713
Delta R.T. -0.003 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43

Tgt Ion:117 Resp: 208021
Ion Ratio Lower Upper
117 100
82 66.4 56.1 84.1
119 32.1 25.0 37.6





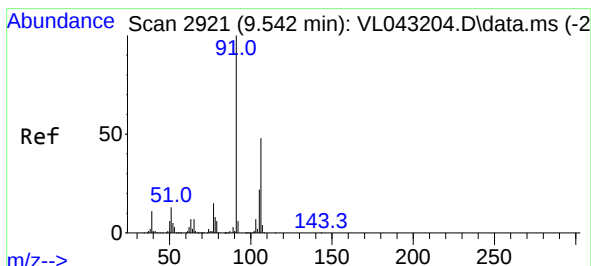
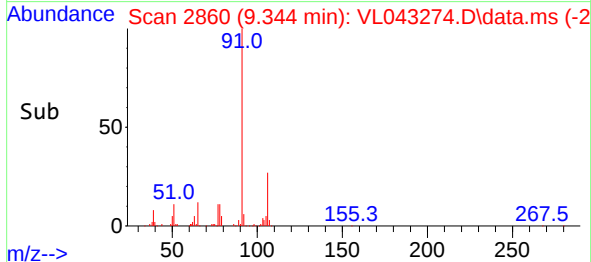
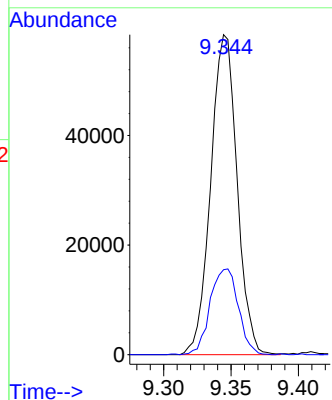
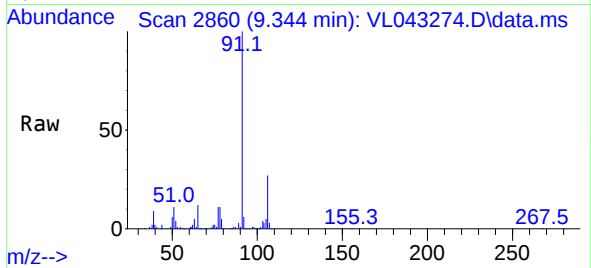
#58
Ethyl Benzene
Concen: 1.988 ppbv
RT: 9.344 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 91 Resp: 79579
Ion Ratio Lower Upper
91 100
106 26.6 22.8 34.2

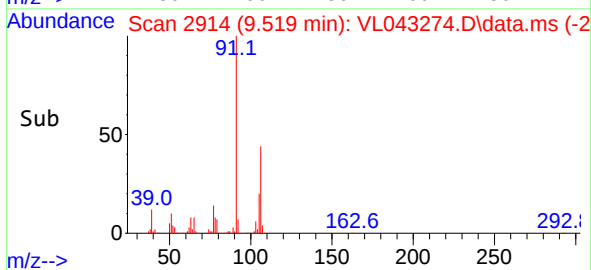
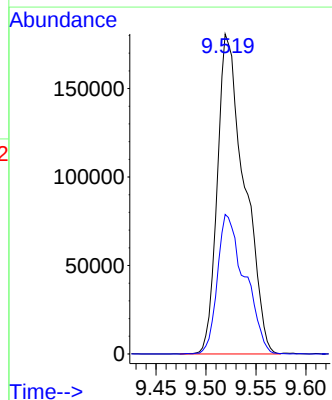
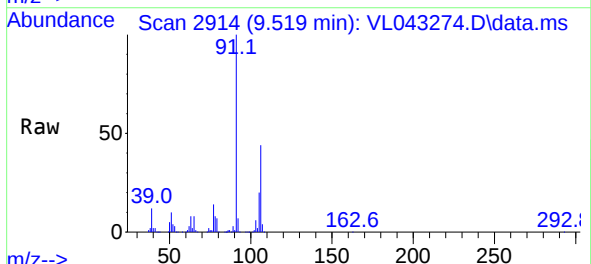
Manual Integrations
APPROVED

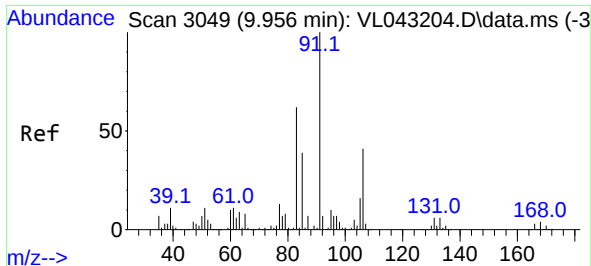
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#59
m/p-Xylene
Concen: 10.601 ppbv
RT: 9.519 min Scan# 2914
Delta R.T. -0.023 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43

Tgt Ion: 91 Resp: 340301
Ion Ratio Lower Upper
91 100
106 44.2 36.1 54.1





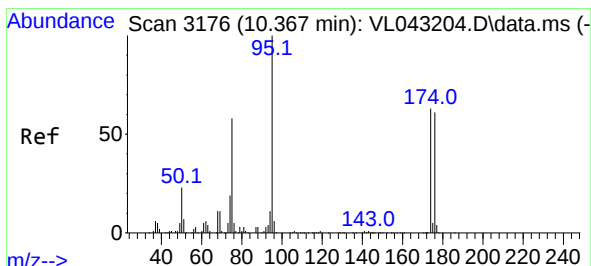
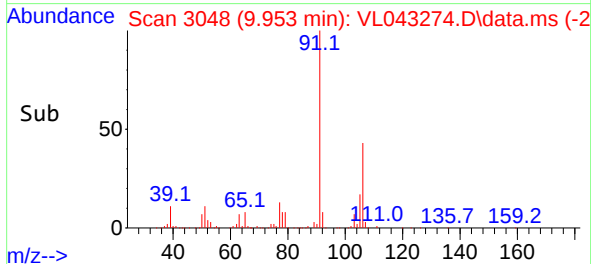
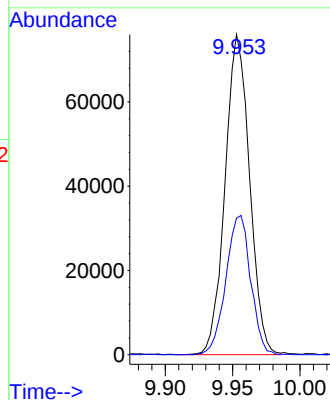
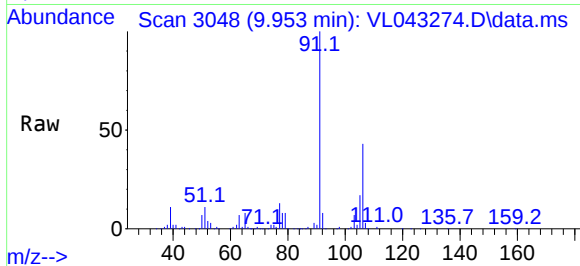
#60
o-Xylene
Concen: 3.000 ppbv
RT: 9.953 min Scan# 3049
Delta R.T. -0.004 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 91 Resp: 96189
Ion Ratio Lower Upper
91 100
106 43.9 20.9 62.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.550 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VL043274.D
Acq: 20 Nov 2025 20:43

Tgt Ion: 95 Resp: 160870
Ion Ratio Lower Upper
95 100
174 66.7 50.2 75.2
175 5.2 4.1 6.1

