

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091019\
 Data File : VL034154.D
 Acq On : 10 Sep 2019 22:24
 Operator : SY/AP
 Sample : K4775-01DL2 200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Manual Integrations
 APPROVED

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 9/12/2019 5:17:10 AM

Quant Time: Sep 11 04:11:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 0
 QLast Update : Thu Sep 05 10:21:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	653727	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1256624	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.17	117	1231073	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1042197	10.36	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	30230	0.741	ppbv #	83
13) Ethanol	3.61	45	7735m	0.968	ppbv	
15) Acetone	3.85	43	653645	8.296	ppbv	99
17) tert-Butyl alcohol	4.32	59	8089m	0.141	ppbv	
19) Isopropyl Alcohol	3.99	45	12537	0.236	ppbv #	97
26) Hexane	5.72	57	17946m	0.233	ppbv	
34) 2-Butanone	5.28	43	64224	0.532	ppbv	97
52) Tetrachloroethene	11.29	164	8756m	0.173	ppbv	
53) Toluene	9.87	91	17783m	0.112	ppbv	

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

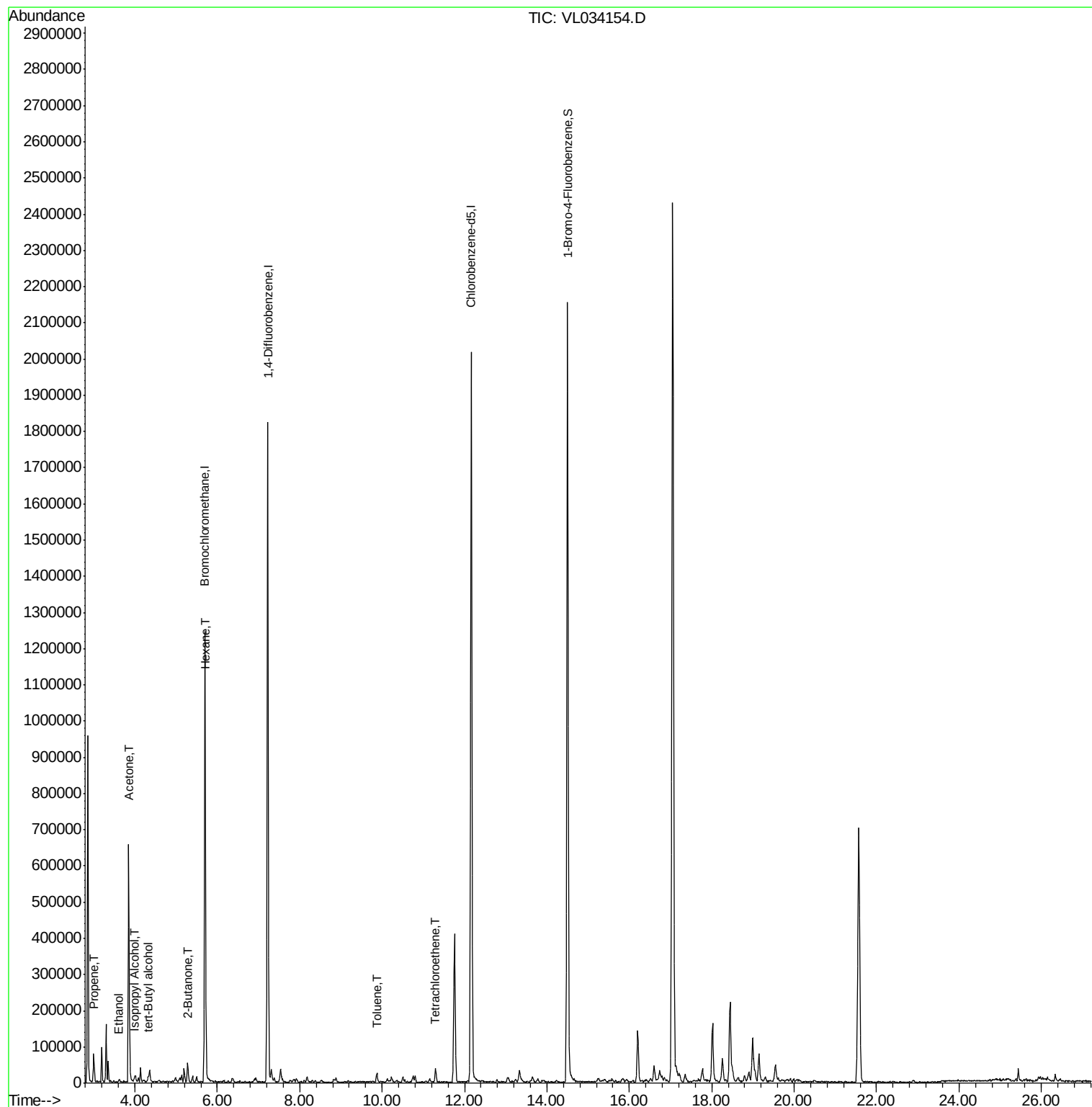
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Data File : VL034154.D
Acq On : 10 Sep 2019 22:24
Operator : SY/AP
Sample : K4775-01DL2 200X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

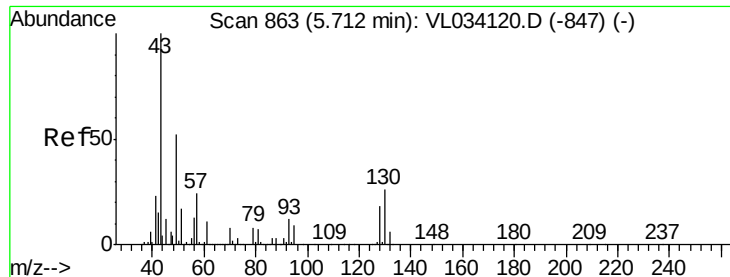
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

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9/12/2019 5:17:10 AM

Quant Time: Sep 11 04:11:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.01 min

Lab File: VL034154.D

Acq: 10 Sep 2019 22:24

Instrument :

MSVOA_L

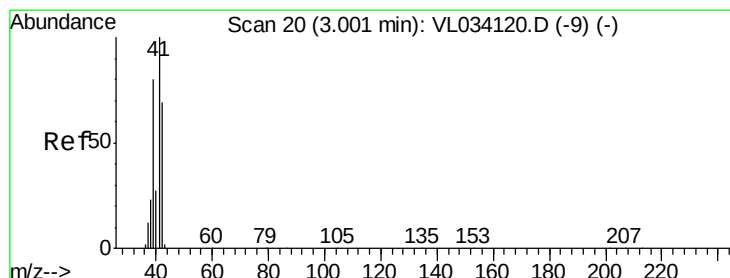
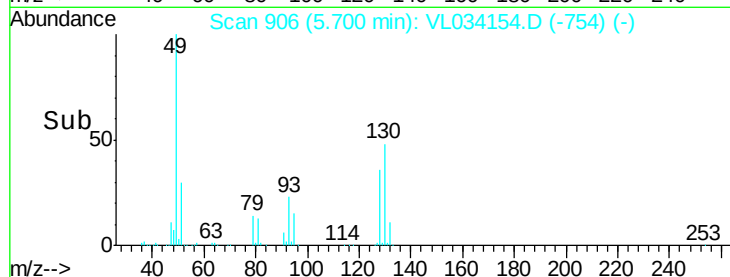
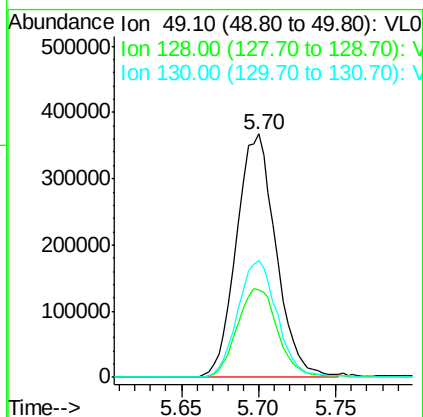
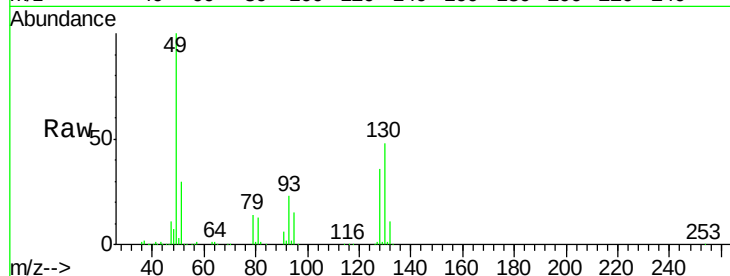
ClientSampled :

SV1DL2

Tot Ion:	49	Resp:	653727
Ion	Ratio	Lower	Upper
49	100		
128	37.9	18.4	55.0
130	48.2	23.5	70.6

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#9

Propene

Concen: 0.741 ppbv

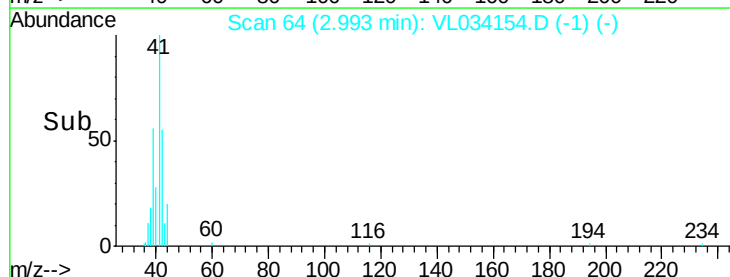
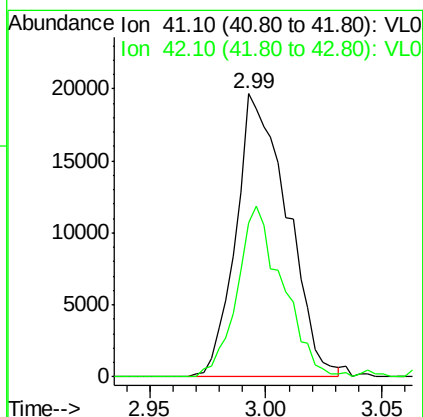
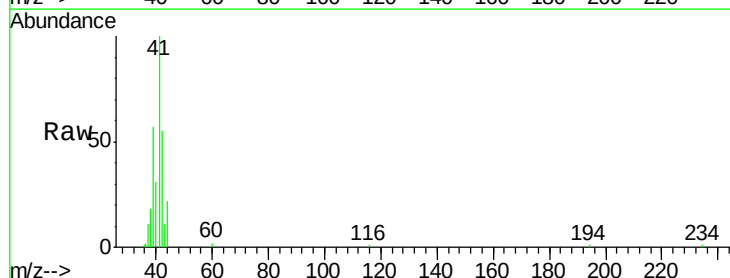
RT: 2.99 min Scan# 64

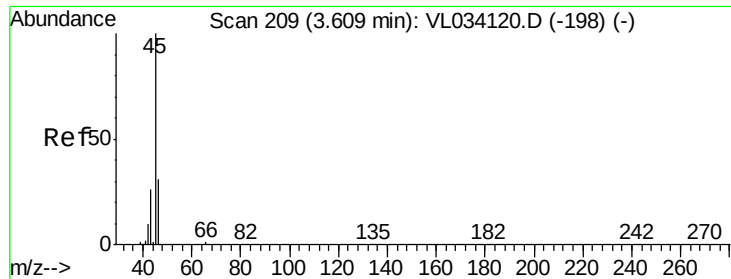
Delta R.T. -0.01 min

Lab File: VL034154.D

Acq: 10 Sep 2019 22:24

Tgt Ion:	41	Resp:	30230
Ion	Ratio	Lower	Upper
41	100		
42	54.5	54.6	81.8#





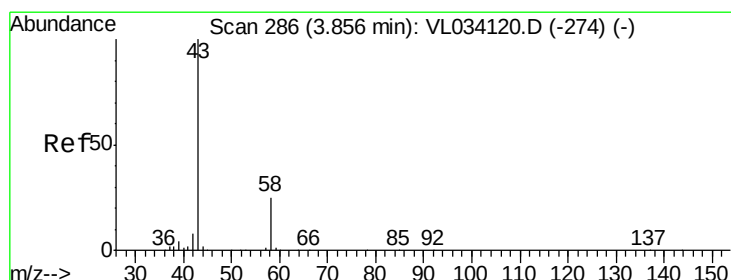
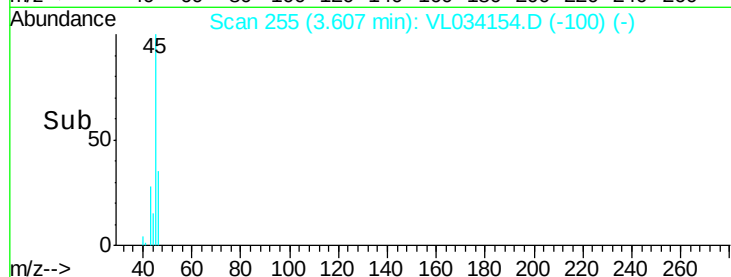
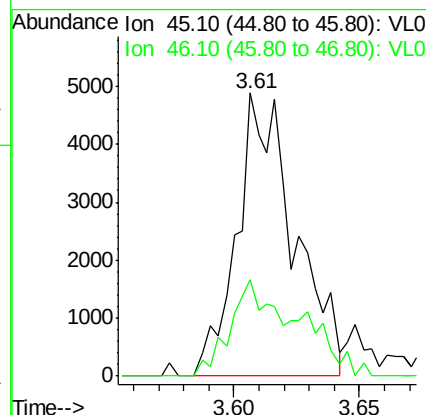
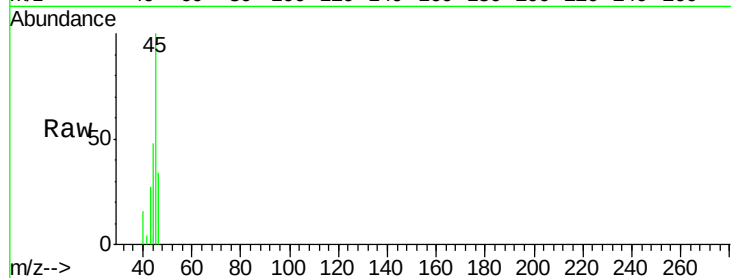
#13
Ethanol
Concen: 0.968 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL034154.D
Acq: 10 Sep 2019 22:24

Instrument :
MSVOA_L
ClientSampled :
SV1DL2

Tot Ion: 45 Resp: 7735
Ion Ratio Lower Upper
45 100
46 40.6 15.0 60.0

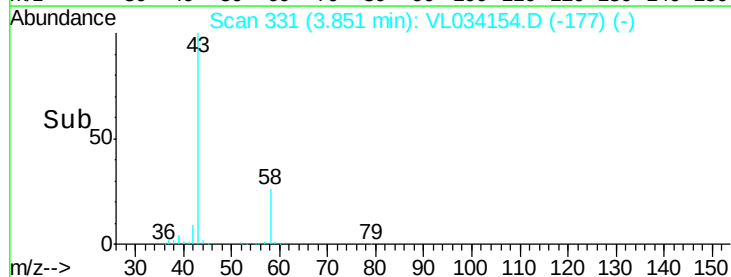
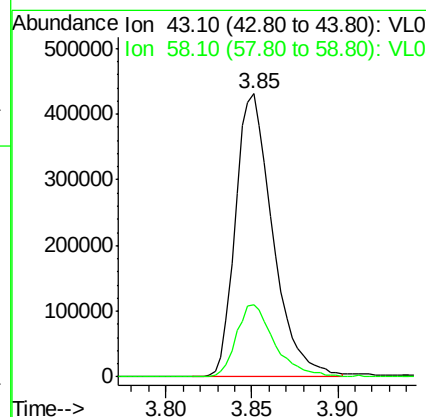
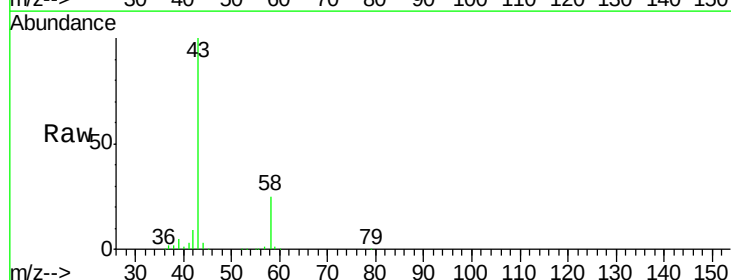
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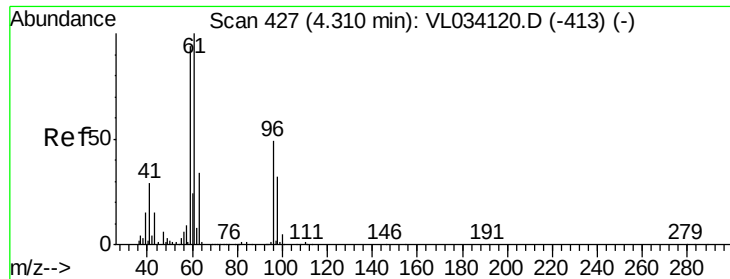
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#15
Acetone
Concen: 8.296 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL034154.D
Acq: 10 Sep 2019 22:24

Tgt Ion: 43 Resp: 653645
Ion Ratio Lower Upper
43 100
58 26.2 20.6 30.8





#17

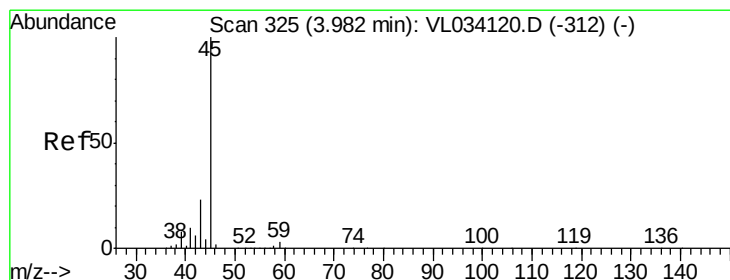
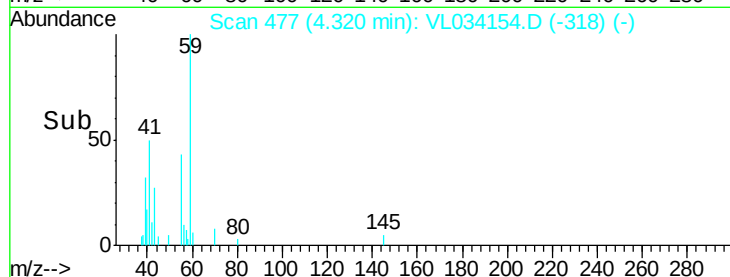
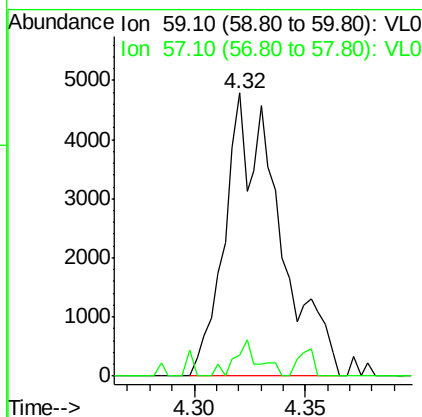
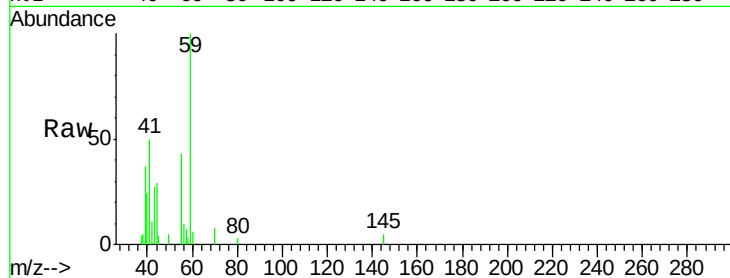
tert-Butyl alcohol
Concen: 0.141 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL034154.D
Acq: 10 Sep 2019 22:24

Instrument :
MSVOA_L
ClientSampled :
SV1DL2

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	8.6	12.8#

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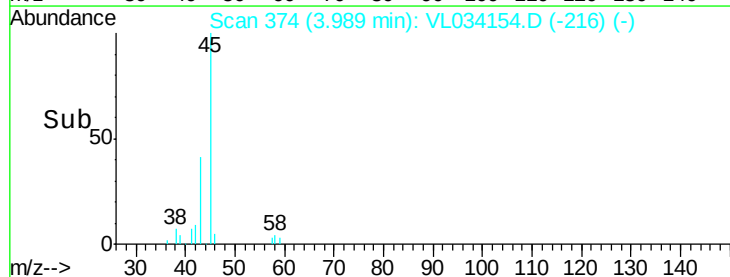
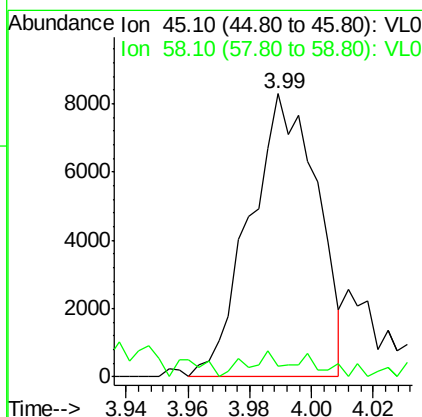
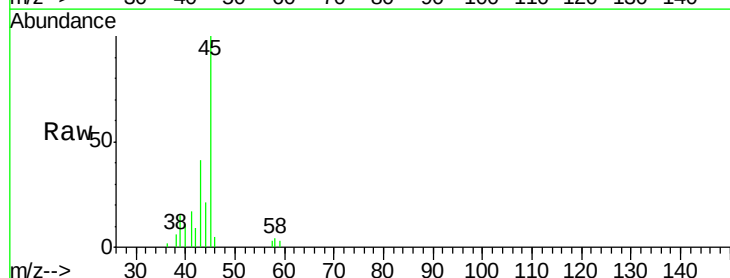
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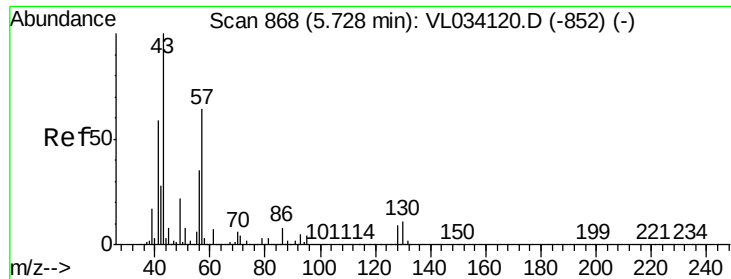


#19

Isopropyl Alcohol
Concen: 0.236 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.01 min
Lab File: VL034154.D
Acq: 10 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.0	1.6#





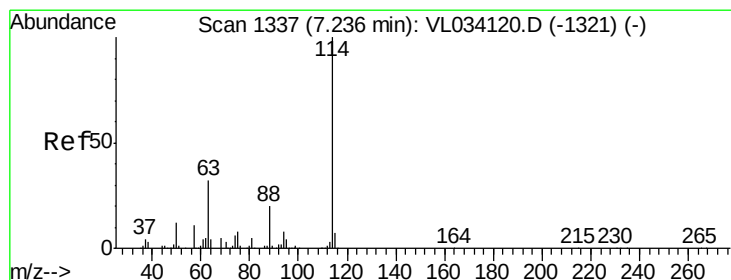
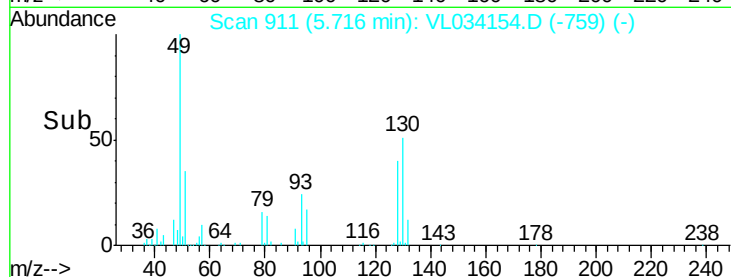
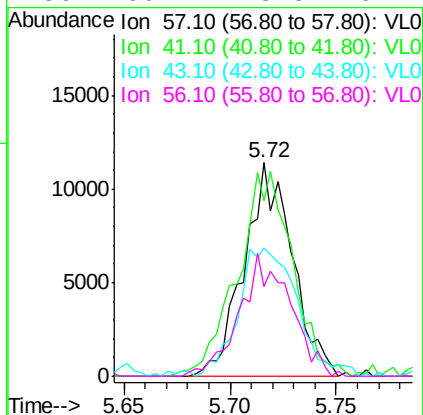
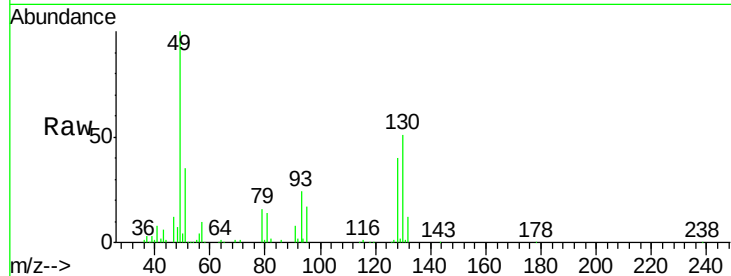
#26
Hexane
Concen: 0.233 ppbv m
RT: 5.72 min Scan# 911
Delta R.T. -0.01 min
Lab File: VL034154.D
Acq: 10 Sep 2019 22:24

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
57	100		17946		
41	0.0	76.6	115.0#		
43	75.1	189.2	283.8#		
56	60.4	43.0	64.4		

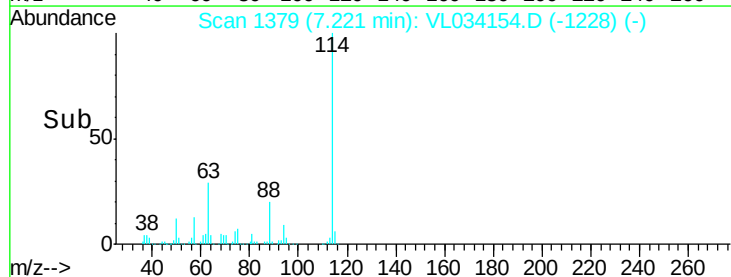
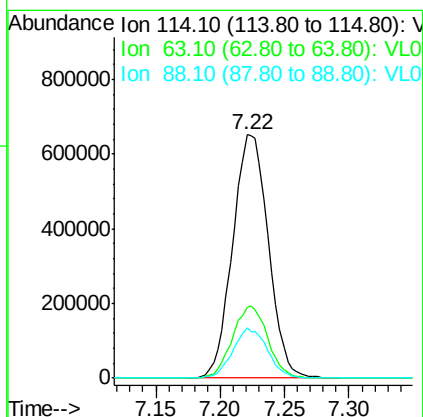
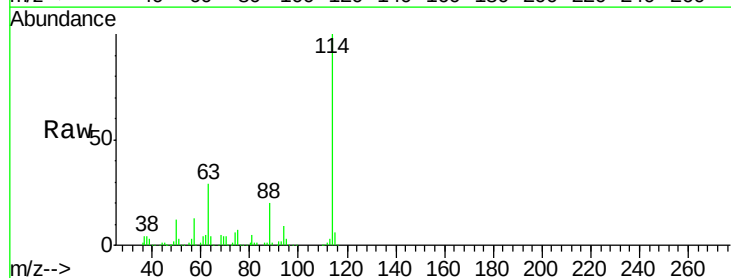
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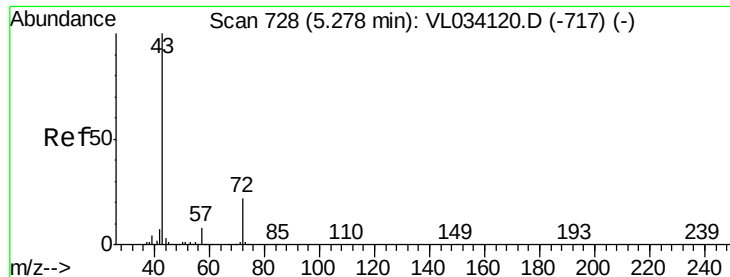
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1379
Delta R.T. -0.02 min
Lab File: VL034154.D
Acq: 10 Sep 2019 22:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
114	100		1256624		
63	29.3	25.5	38.3		
88	20.0	16.8	25.2		





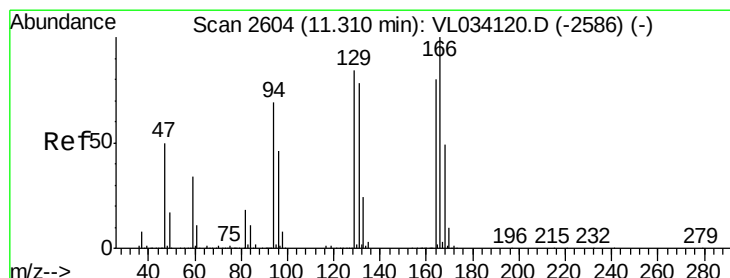
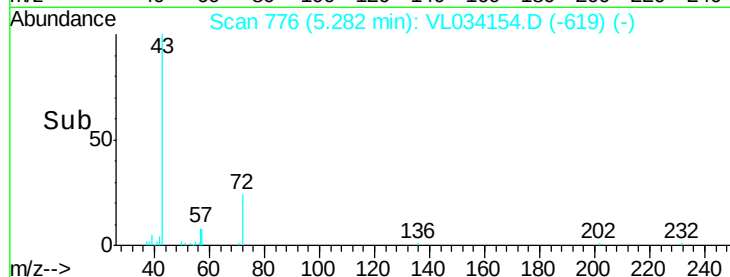
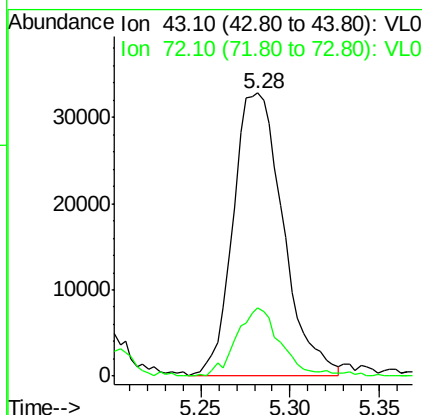
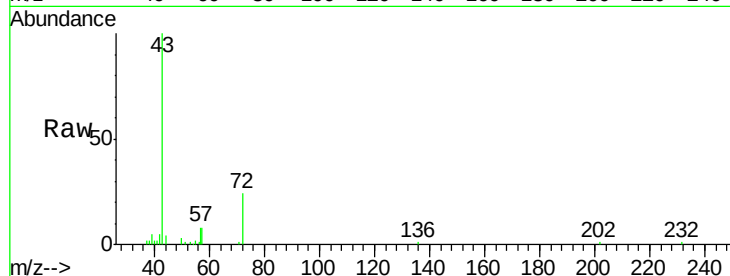
#34
2-Butanone
Concen: 0.532 ppbv
RT: 5.28 min Scan# 776
Delta R.T. 0.00 min
Lab File: VL034154.D
Acq: 10 Sep 2019 22:24

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tot Ion: 43 Resp: 64224
Ion Ratio Lower Upper
43 100
72 21.8 16.5 24.7

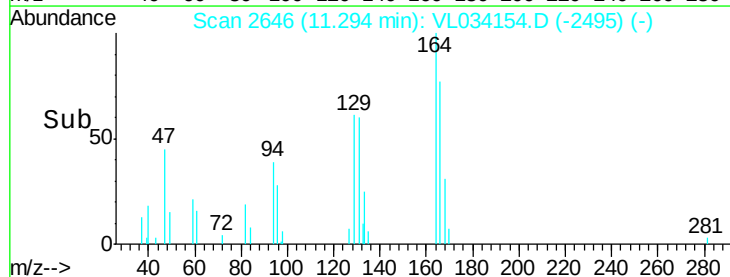
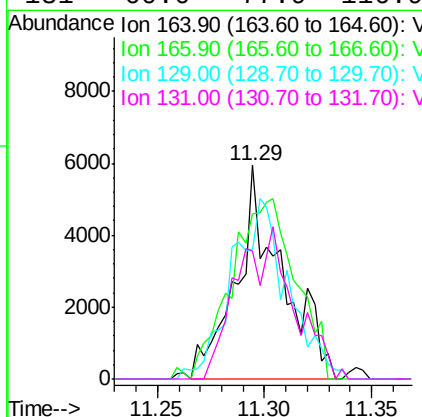
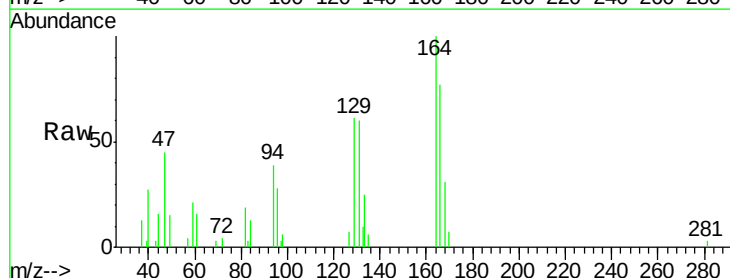
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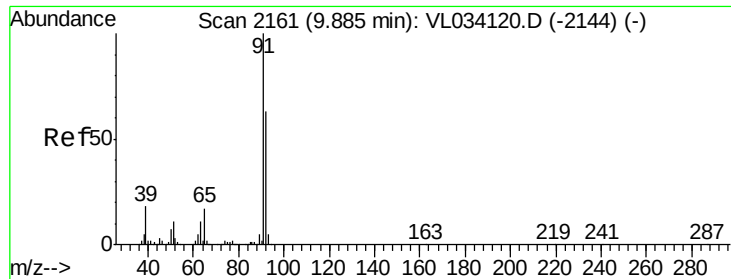
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#52
Tetrachloroethene
Concen: 0.173 ppbv m
RT: 11.29 min Scan# 2646
Delta R.T. -0.02 min
Lab File: VL034154.D
Acq: 10 Sep 2019 22:24

Tgt Ion: 164 Resp: 8756
Ion Ratio Lower Upper
164 100
166 77.5 99.5 149.3#
129 60.7 83.6 125.4#
131 60.0 77.9 116.9#





#53

Toluene

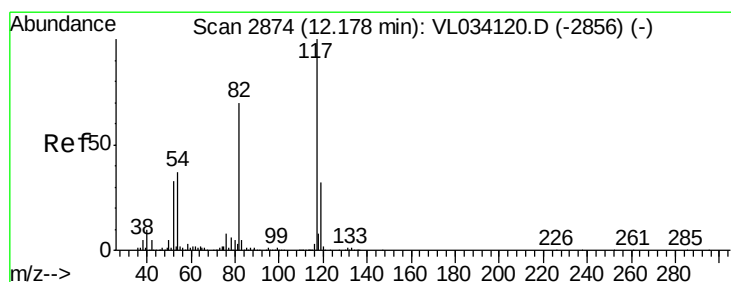
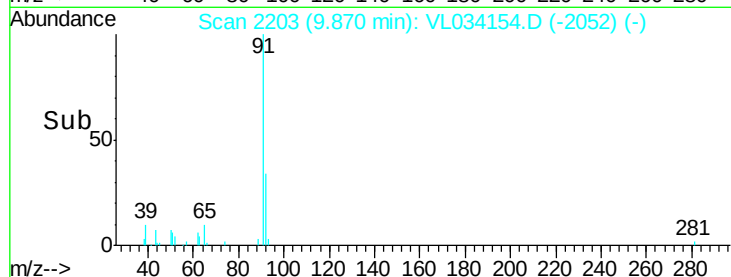
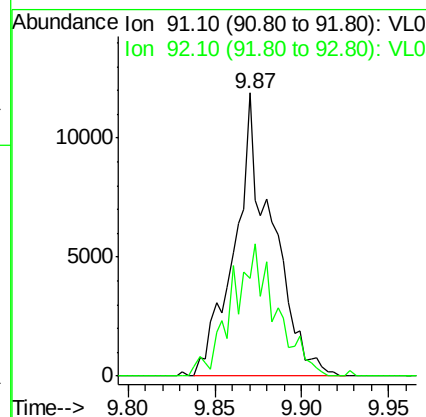
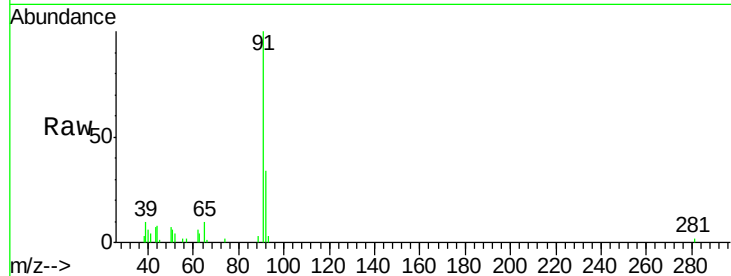
Concen: 0.112 ppbv m
 RT: 9.87 min Scan# 2203
 Delta R.T. -0.02 min
 Lab File: VL034154.D
 Acq: 10 Sep 2019 22:24

Instrument :
 MSVOA_L
 ClientSampled :
 SV1DL2

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	49.3	73.9

Manual Integrations
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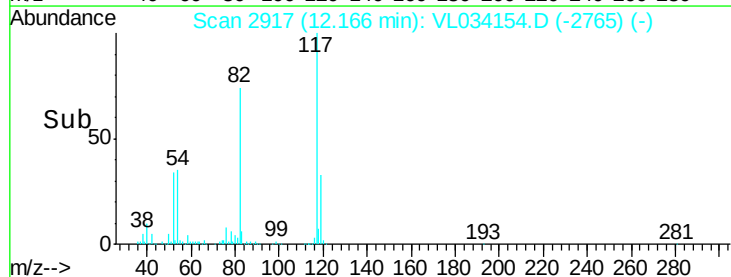
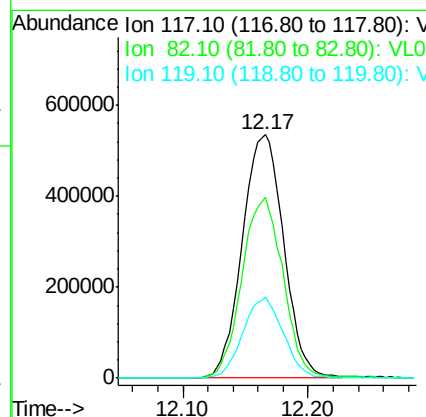
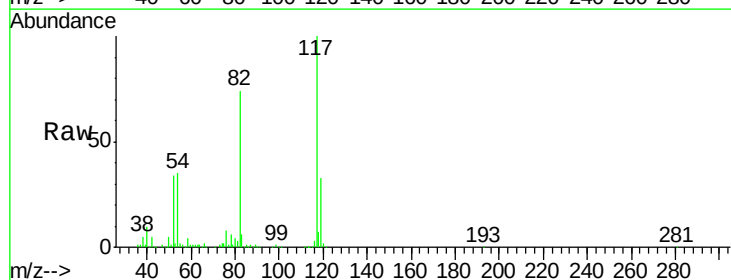


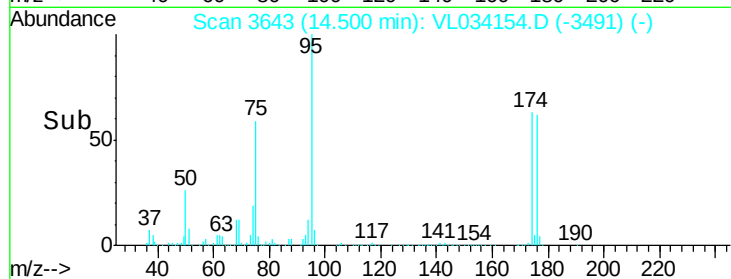
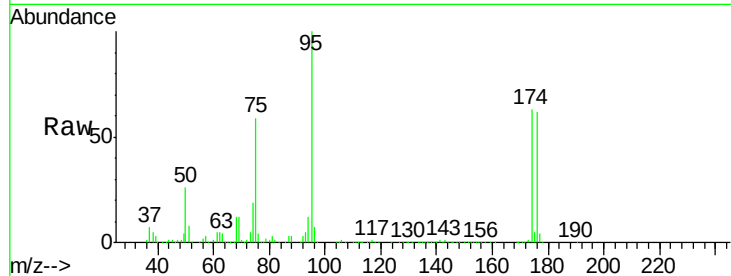
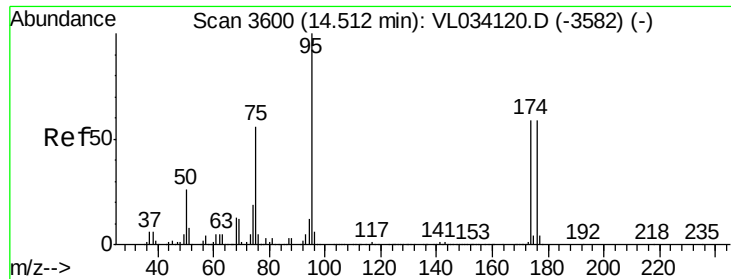
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
 RT: 12.17 min Scan# 2917
 Delta R.T. -0.01 min
 Lab File: VL034154.D
 Acq: 10 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	73.9	55.8	83.6
119	32.4	43.1	64.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.355 ppbv

RT: 14.50 min Scan# 3643

Delta R.T. -0.01 min

Lab File: VL034154.D

Acq: 10 Sep 2019 22:24

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tot Ion: 95 Resp: 1042197

Ion Ratio Lower Upper

95 100

174 61.5 48.1 72.1

175 4.6 3.5 5.3

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