

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030620\
 Data File : VL034832.D
 Acq On : 7 Mar 2020 2:17
 Operator : SY/AP
 Sample : L1698-07DL2 300X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1-4DL2

Manual Integrations
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 3/9/2020 9:21:24 AM

Quant Time: Mar 07 09:42:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 0
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	924863	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	2063165	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	2039576	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.45	95	1608083	9.46	ppbv	-0.04	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.22	62	226728	3.782	ppbv	98
9) Propene	2.98	41	43600	1.051	ppbv	85
10) Heptane	8.13	43	93239	0.885	ppbv #	27
26) Hexane	5.68	57	107394	1.284	ppbv #	42
30) Cyclohexane	7.14	84	50707m	0.793	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	1340421	15.631	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	72515	0.521	ppbv	98
36) Benzene	6.89	78	672445	3.814	ppbv	97
38) Trichloroethene	7.84	130	67803	0.987	ppbv	86
39) 1,2-Dichloropropane	7.62	63	58153m	0.817	ppbv	
44) 2,2,4-Trimethylpentane	7.88	57	112554	0.365	ppbv #	50
52) Tetrachloroethene	11.25	164	23312m	0.358	ppbv	
53) Toluene	9.82	91	931599	4.993	ppbv	99
58) Ethyl Benzene	12.73	91	197326	0.785	ppbv	99
59) m/p-Xylene	12.99	91	214637m	0.986	ppbv	
60) o-Xylene	13.72	91	104238m	0.474	ppbv	
61) Styrene	13.55	104	74812	0.548	ppbv	96

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

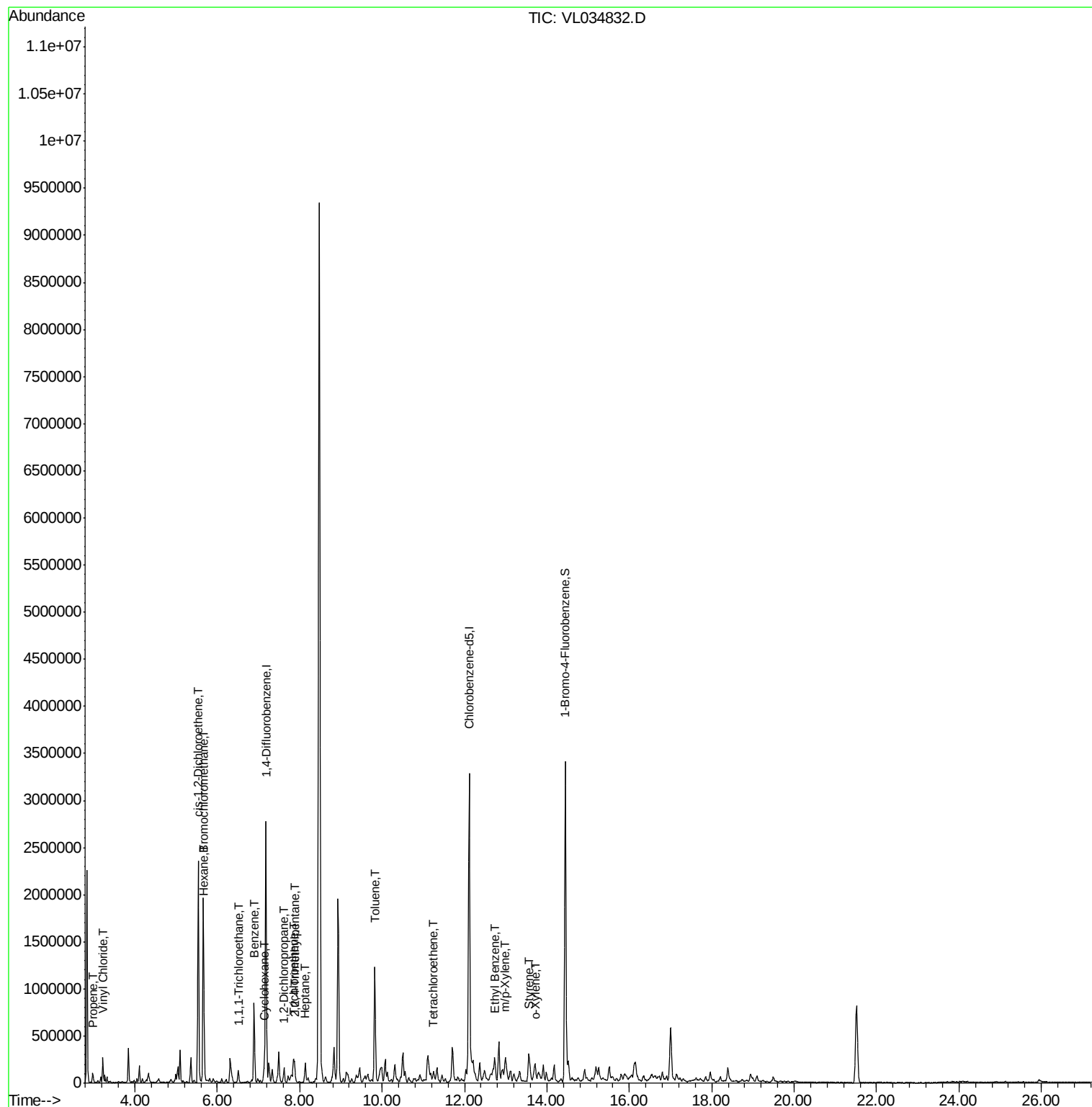
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030620\
Data File : VL034832.D
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Operator : SY/AP
Sample : L1698-07DL2 300X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

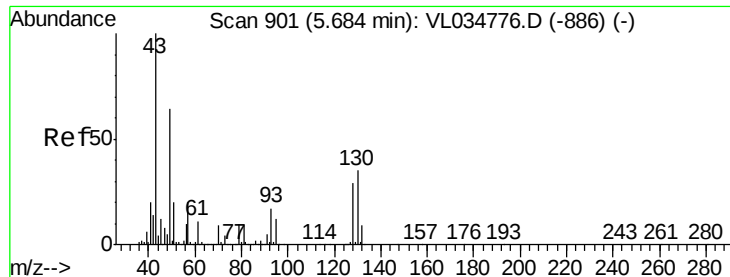
Instrument :
MSVOA_L
ClientSampleId :
SS-1-4DL2

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3/9/2020 9:21:24 AM

Quant Time: Mar 07 09:42:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL034832.D

Acq: 7 Mar 2020 2:17

Instrument :

MSVOA_L

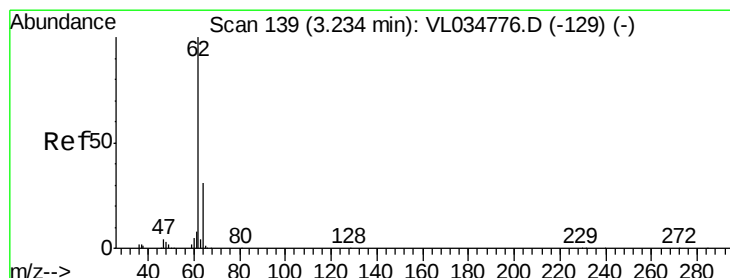
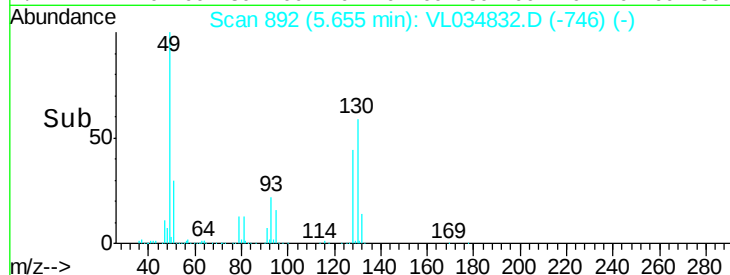
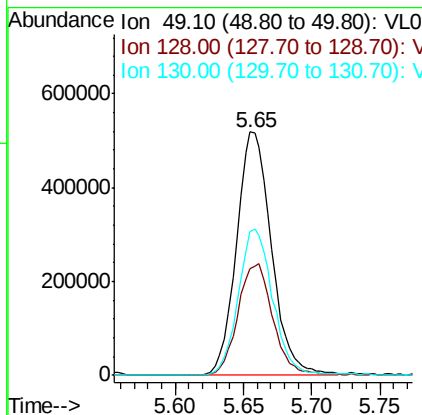
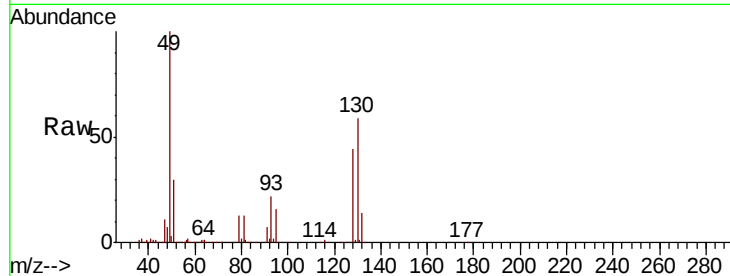
ClientSampleId :

SS-1-4DL2

Tot Ion:	49	Resp:	924863
Ion Ratio	Lower	Upper	
49	100		
128	46.3	21.6	64.6
130	60.0	27.4	82.2

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#5

Vinyl Chloride

Concen: 3.782 ppbv

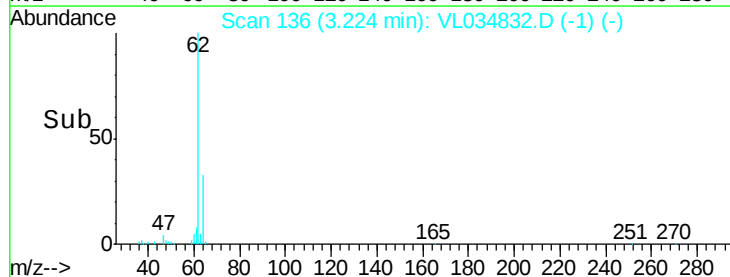
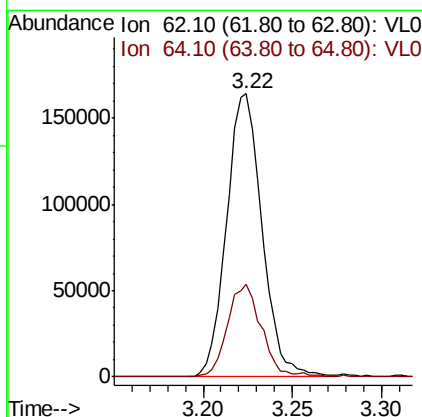
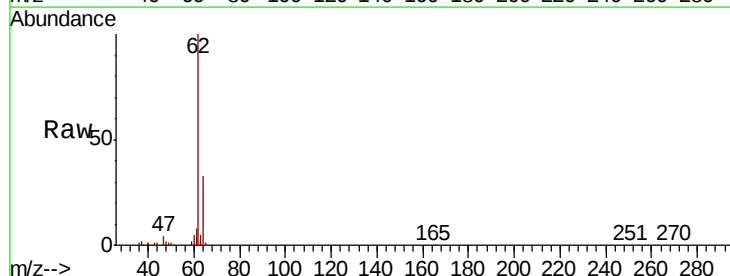
RT: 3.22 min Scan# 136

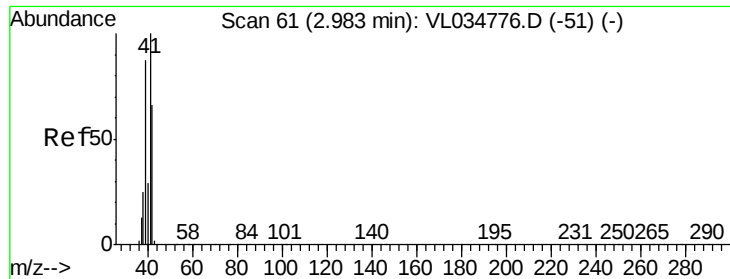
Delta R.T. -0.01 min

Lab File: VL034832.D

Acq: 7 Mar 2020 2:17

Tgt Ion:	62	Resp:	226728
Ion Ratio	Lower	Upper	
62	100		
64	32.6	25.1	37.7





#9

Propene

Concen: 1.051 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL034832.D

Acq: 7 Mar 2020 2:17

Instrument :

MSVOA_L

ClientSampleId :

SS-1-4DL2

Tot Ion: 41 Resp: 43600

Ion Ratio Lower Upper

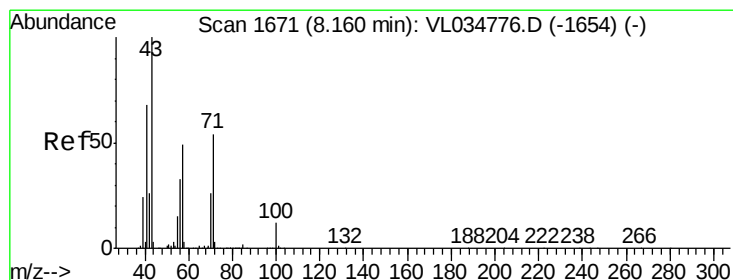
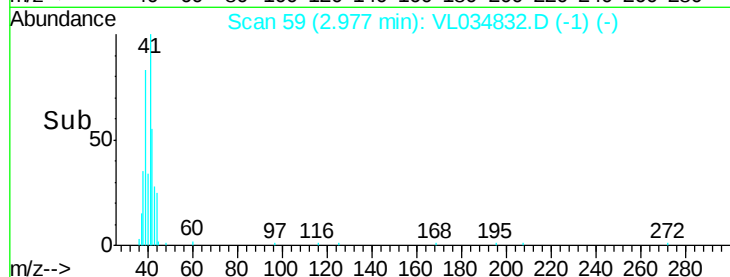
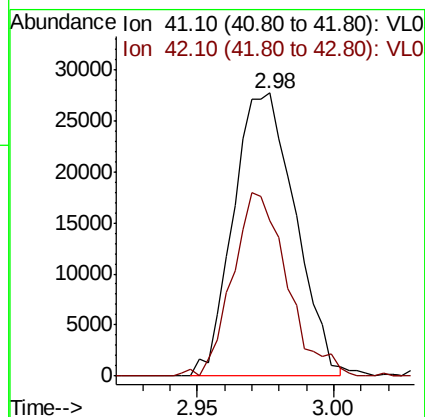
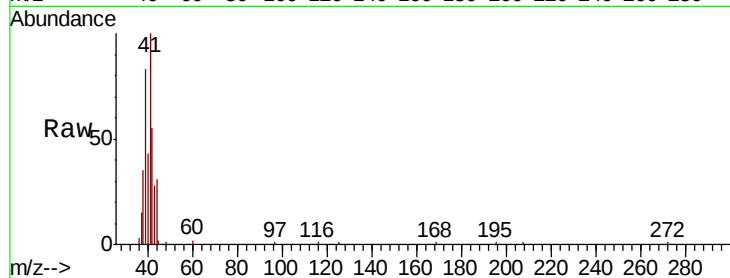
41 100

42 57.2 55.6 83.4

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#10

Heptane

Concen: 0.885 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.03 min

Lab File: VL034832.D

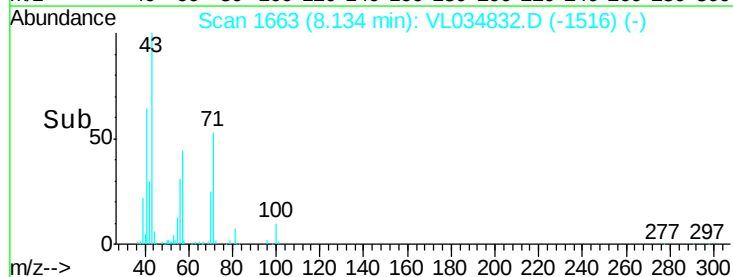
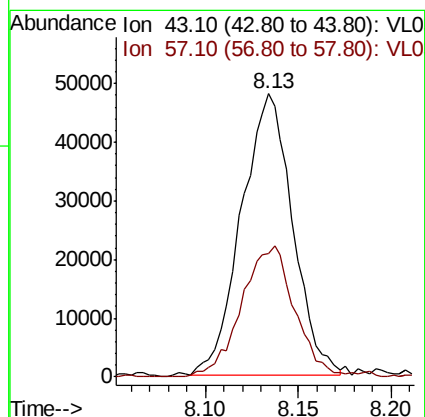
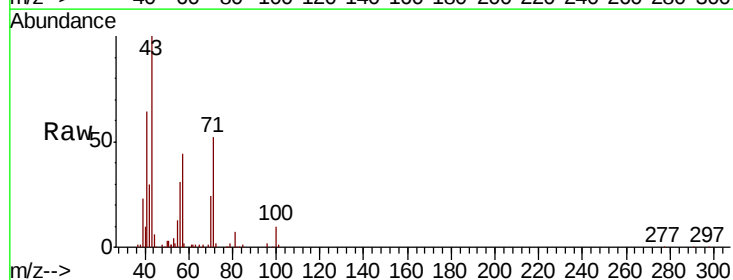
Acq: 7 Mar 2020 2:17

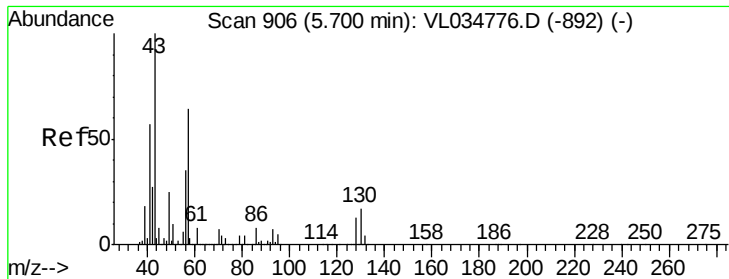
Tgt Ion: 43 Resp: 93239

Ion Ratio Lower Upper

43 100

57 0.0 40.5 60.7#





#26

Hexane

Concen: 1.284 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.02 min

Lab File: VL034832.D

Acq: 7 Mar 2020 2:17

Instrument :

MSVOA_L

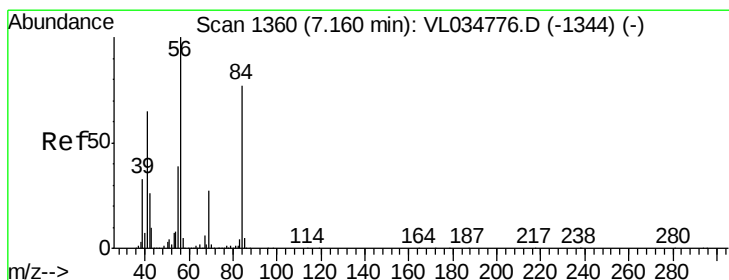
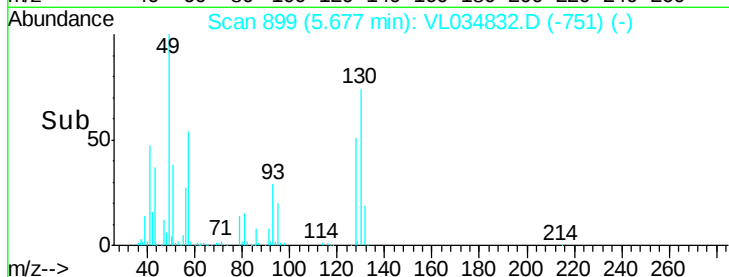
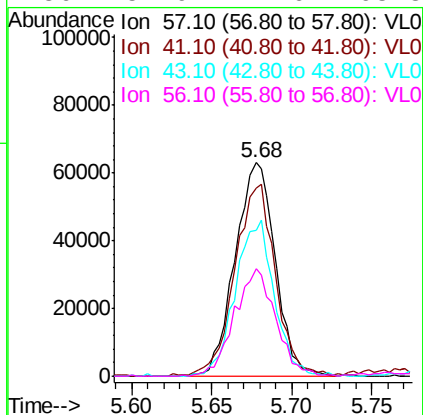
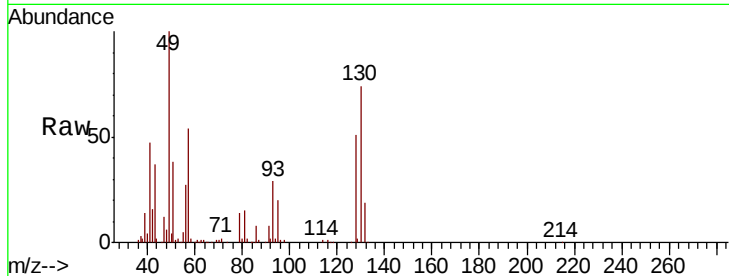
ClientSampleId :

SS-1-4DL2

Tot Ion	57	Resp	107394
Ion	Ratio	Lower	Upper
57	100		
41	91.6	72.0	108.0
43	71.3	179.1	268.7#
56	51.9	42.6	63.8

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#30

Cyclohexane

Concen: 0.793 ppbv m

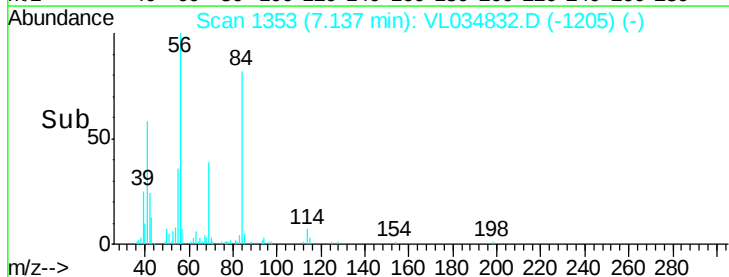
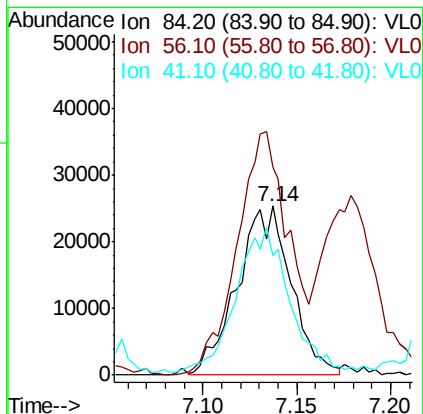
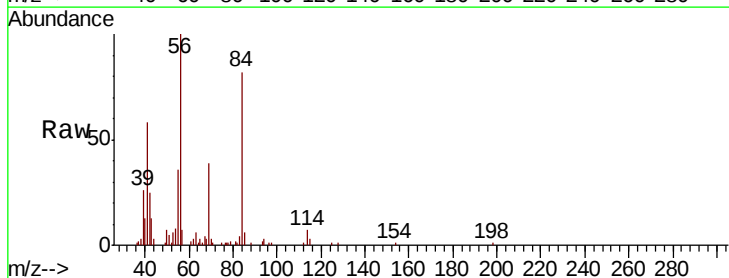
RT: 7.14 min Scan# 1353

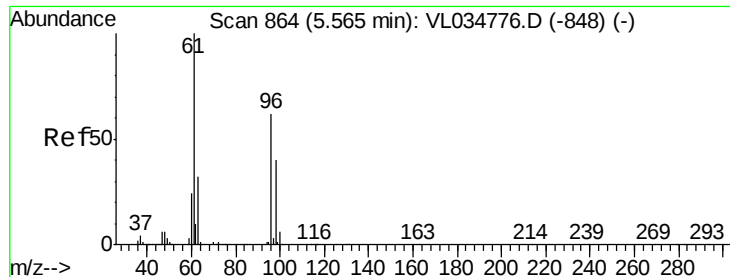
Delta R.T. -0.02 min

Lab File: VL034832.D

Acq: 7 Mar 2020 2:17

Tgt Ion	84	Resp	50707
Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.2	169.8#
41	0.0	70.2	105.4#





#31

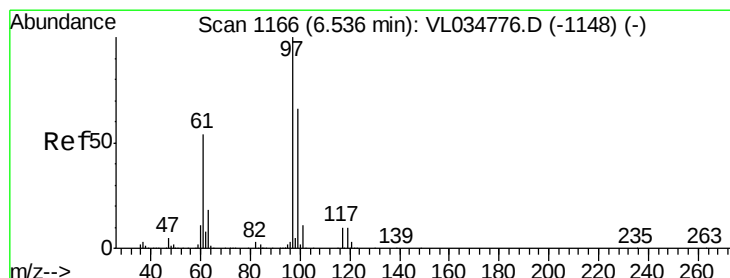
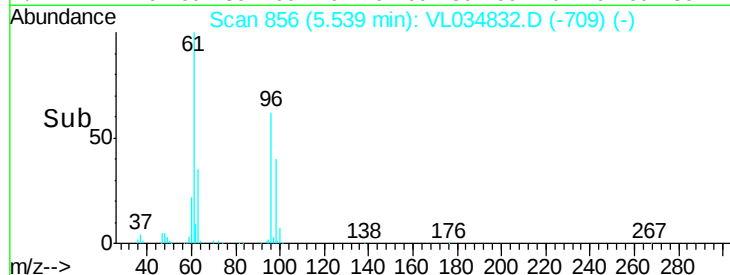
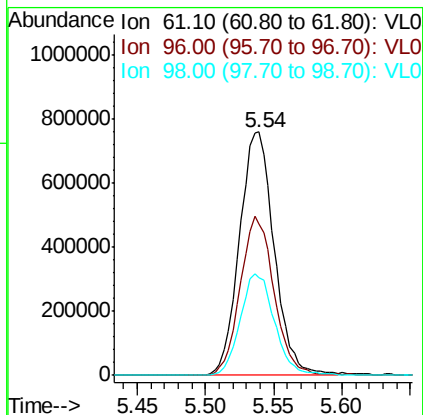
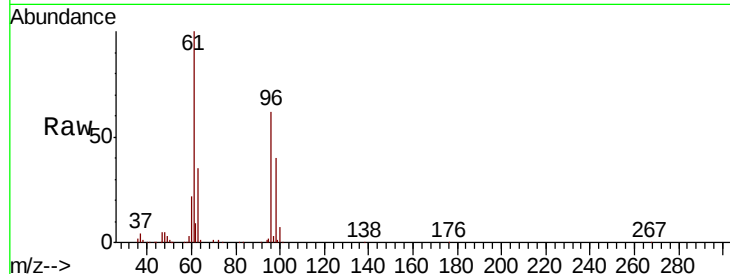
cis-1,2-Dichloroethene
 Concen: 15.631 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.03 min
 Lab File: VL034832.D
 Acq: 7 Mar 2020 2:17

Instrument :
 MSVOA_L
 ClientSampled :
 SS-1-4DL2

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.4	49.7	74.5
98	40.4	31.9	47.9

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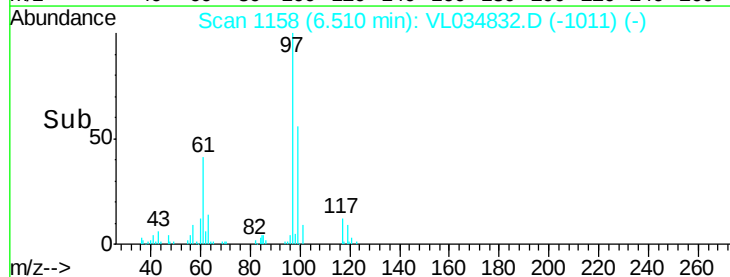
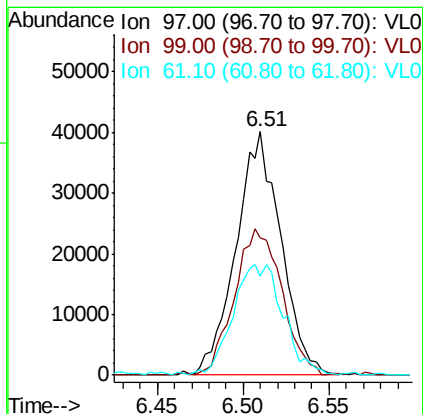
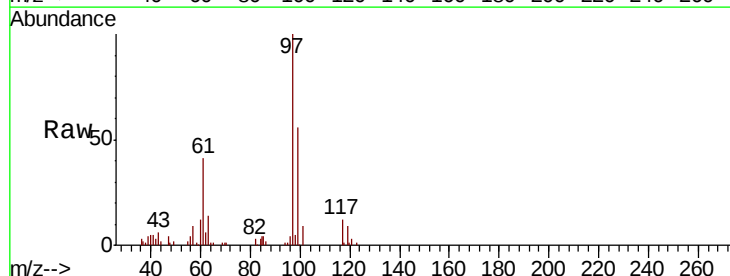
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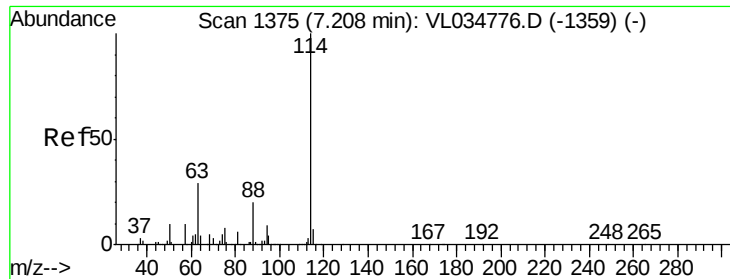


#32

1,1,1-Trichloroethane
 Concen: 0.521 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.03 min
 Lab File: VL034832.D
 Acq: 7 Mar 2020 2:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	51.5	43.4	65.0





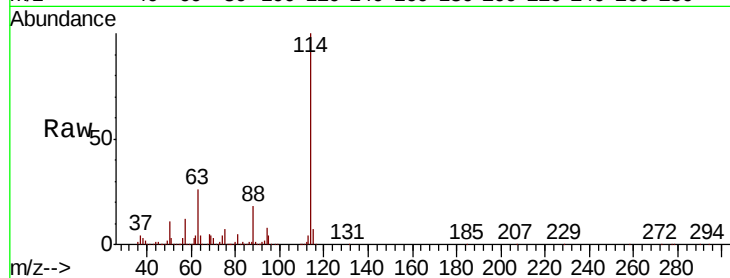
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.03 min
 Lab File: VL034832.D
 Acq: 7 Mar 2020 2:17

Instrument :
 MSVOA_L
 ClientSampled :
 SS-1-4DL2

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.2	23.6	35.4
88	18.8	15.8	23.8

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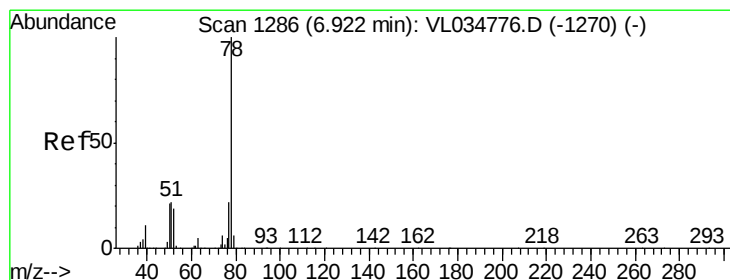
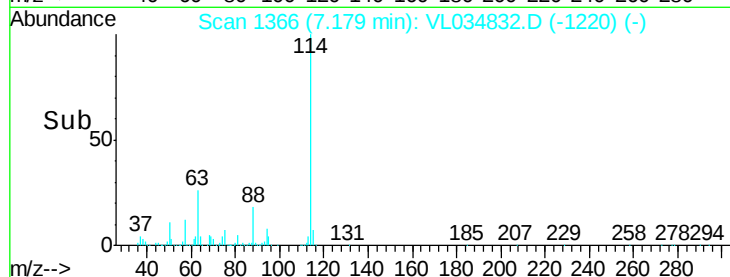
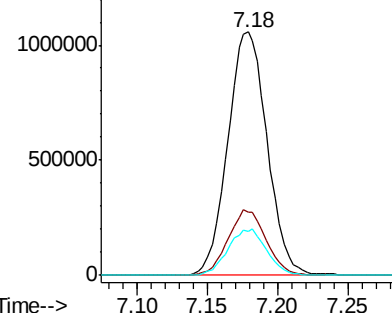
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Abundance Ion 114.10 (113.80 to 114.80): V

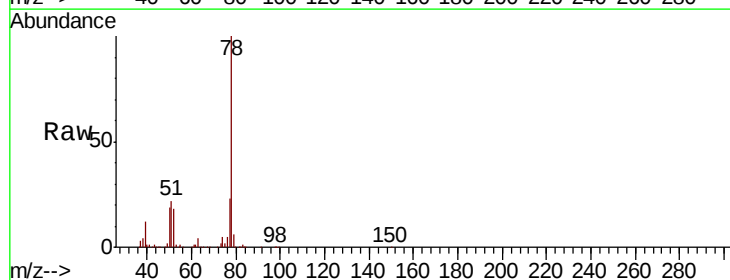
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#36
 Benzene
 Concen: 3.814 ppbv
 RT: 6.89 min Scan# 1277
 Delta R.T. -0.03 min
 Lab File: VL034832.D
 Acq: 7 Mar 2020 2:17

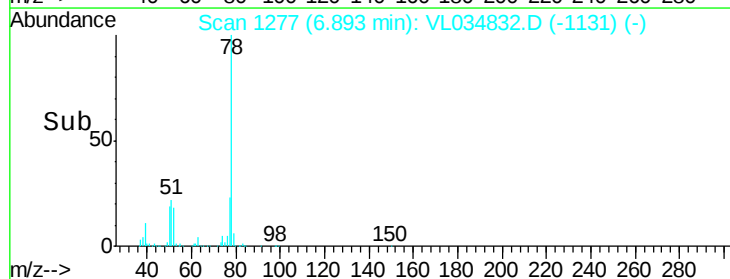
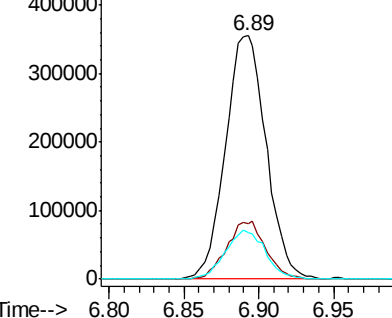
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.0	27.0
50	19.1	16.9	25.3

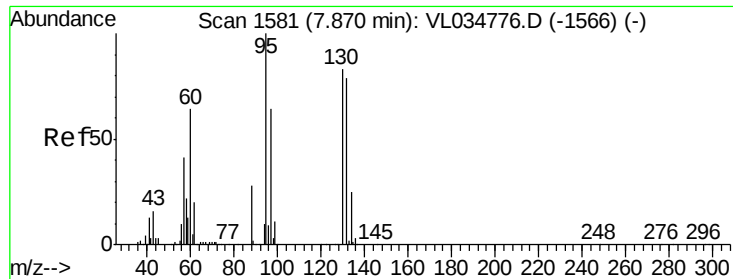


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





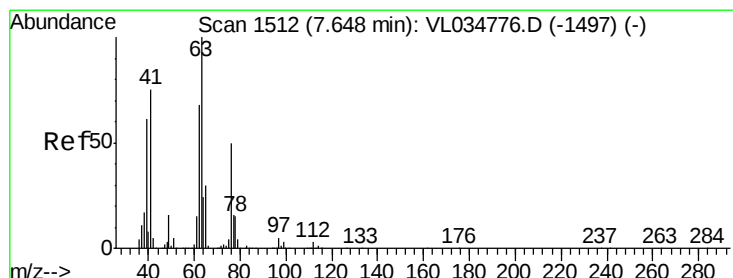
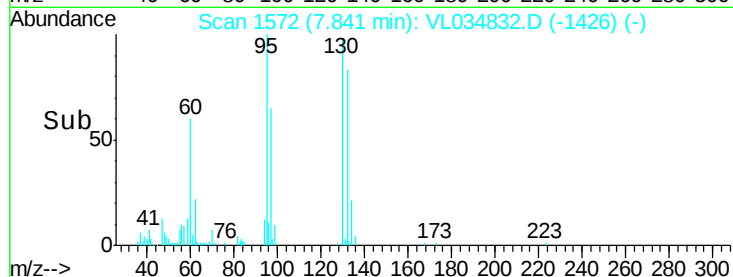
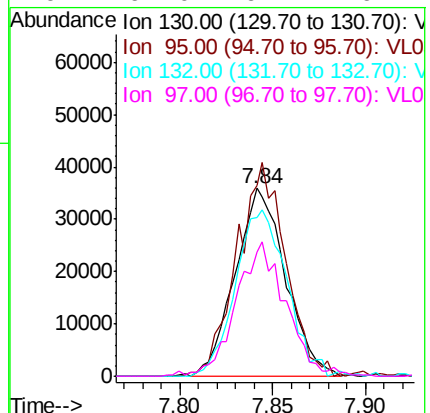
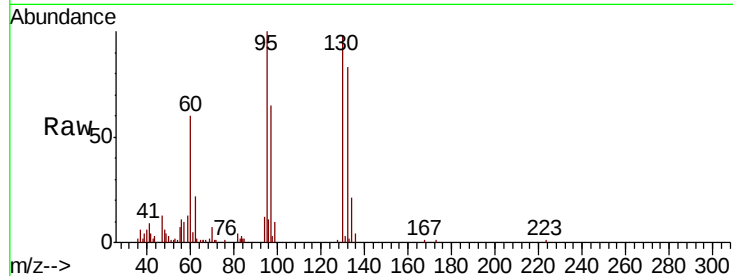
#38
 Trichloroethene
 Concen: 0.987 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.03 min
 Lab File: VL034832.D
 Acq: 7 Mar 2020 2:17

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1-4DL2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		67803		
95	100.5	95.8	143.8		
132	84.4	76.1	114.1		
97	64.0	61.1	91.7		

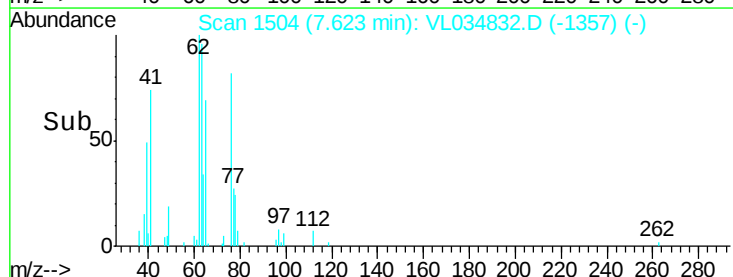
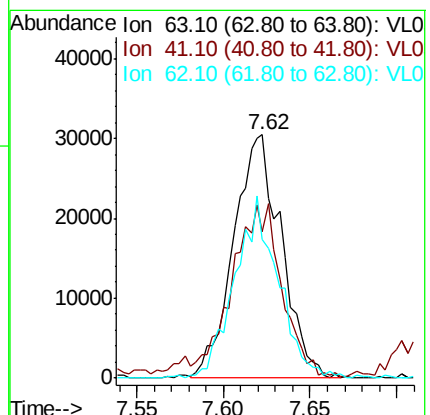
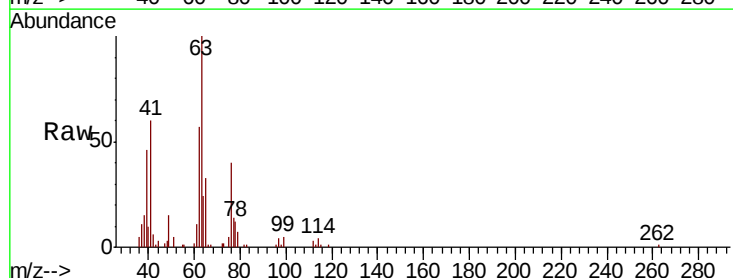
Manual Integrations
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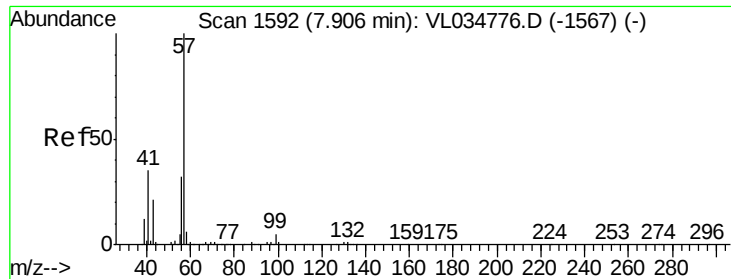
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#39
 1,2-Dichloropropane
 Concen: 0.817 ppbv m
 RT: 7.62 min Scan# 1504
 Delta R.T. -0.03 min
 Lab File: VL034832.D
 Acq: 7 Mar 2020 2:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		58153		
41	60.2	60.3	90.5#		
62	56.9	54.5	81.7		





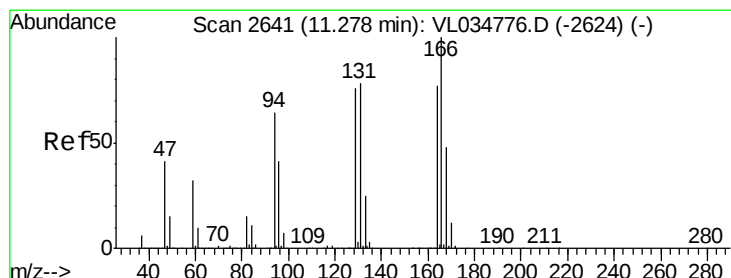
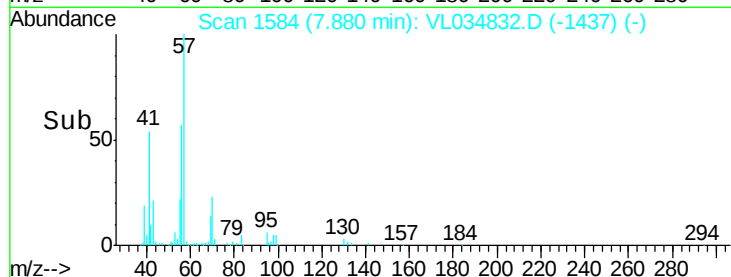
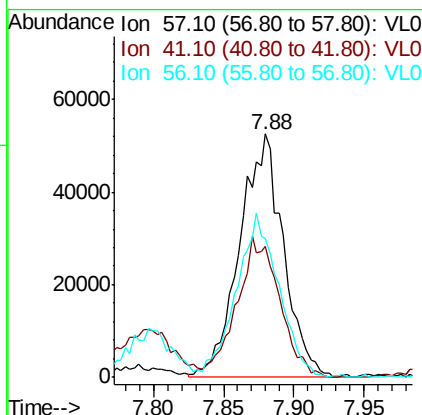
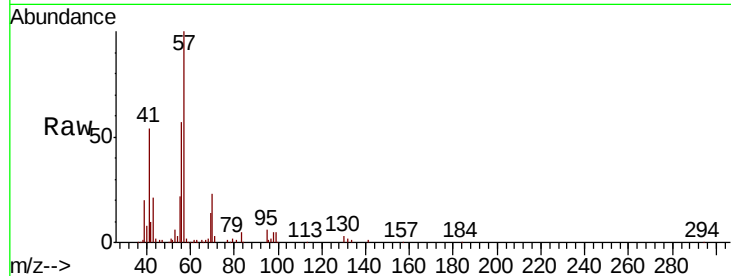
#44
 2,2,4-Trimethylpentane
 Concen: 0.365 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. -0.03 min
 Lab File: VL034832.D
 Acq: 7 Mar 2020 2:17

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1-4DL2

Tot Ion	Ratio	Lower	Upper
57	100		
41	56.5	27.4	41.0#
56	66.0	25.0	37.6#

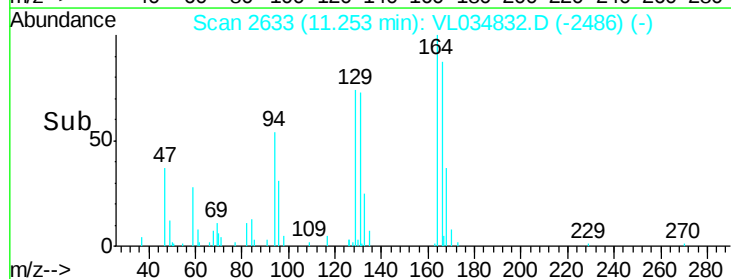
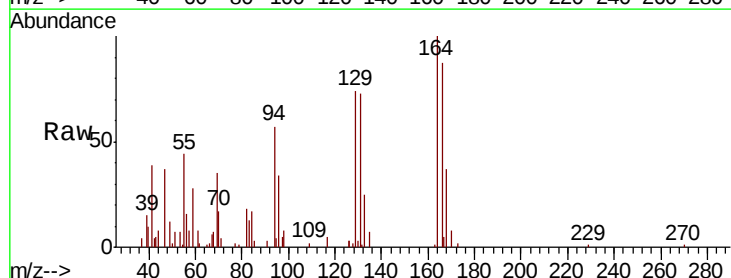
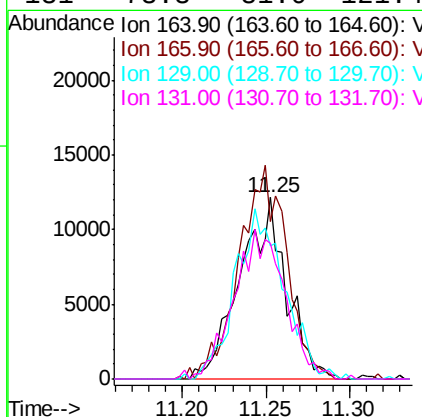
Manual Integrations
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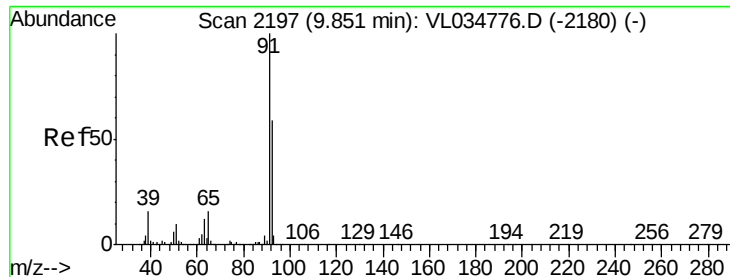
MMDadoda
 3/9/2020 9:21:24 AM



#52
 Tetrachloroethene
 Concen: 0.358 ppbv m
 RT: 11.25 min Scan# 2633
 Delta R.T. -0.03 min
 Lab File: VL034832.D
 Acq: 7 Mar 2020 2:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	87.0	103.3	154.9#
129	73.7	79.0	118.4#
131	73.3	81.0	121.4#





#53

Toluene

Concen: 4.993 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.03 min

Lab File: VL034832.D

Acq: 7 Mar 2020 2:17

Instrument :

MSVOA_L

ClientSampled :

SS-1-4DL2

Tot Ion: 91 Resp: 931599

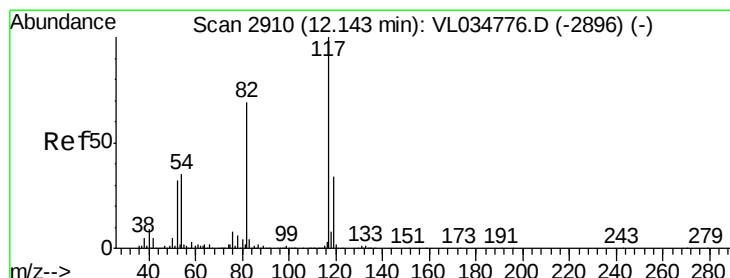
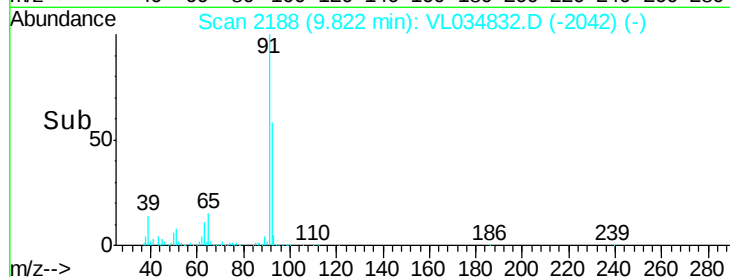
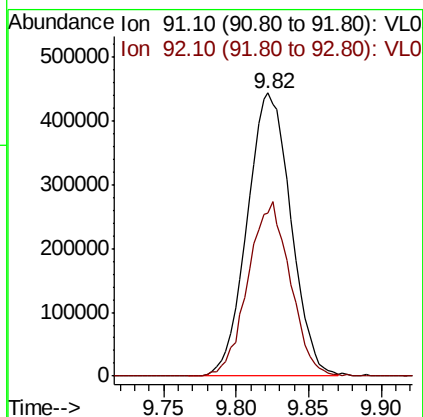
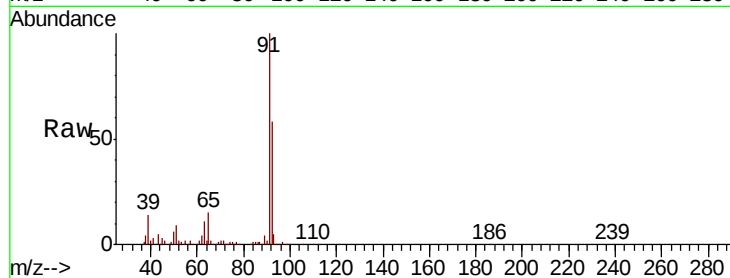
Ion Ratio Lower Upper

91 100

92 59.7 48.2 72.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.03 min

Lab File: VL034832.D

Acq: 7 Mar 2020 2:17

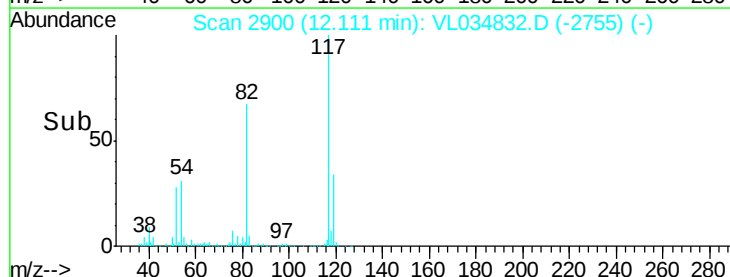
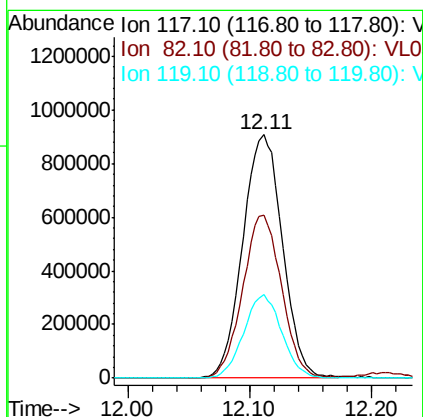
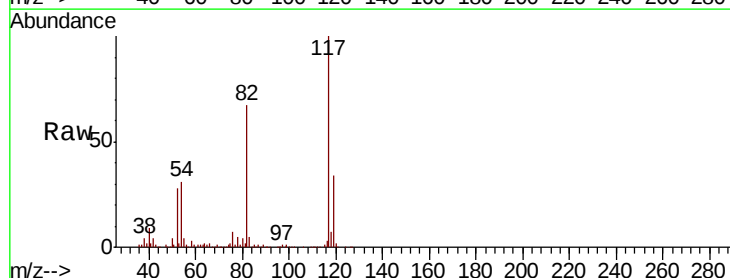
Tgt Ion: 117 Resp: 2039576

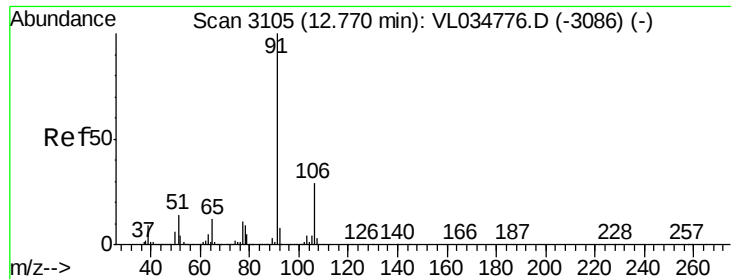
Ion Ratio Lower Upper

117 100

82 65.5 53.9 80.9

119 33.0 25.0 37.4





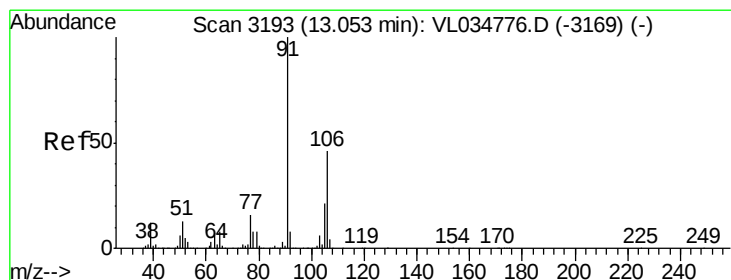
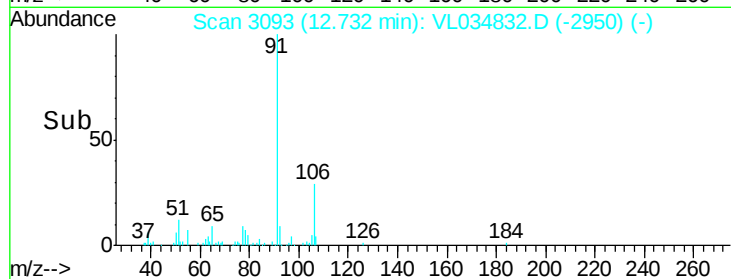
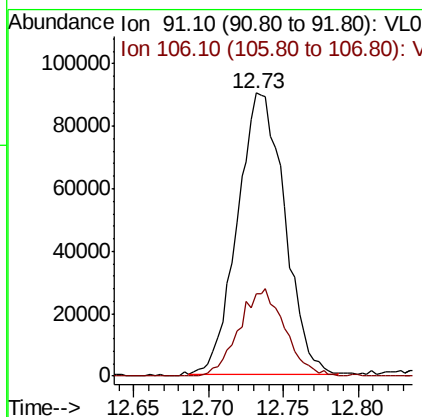
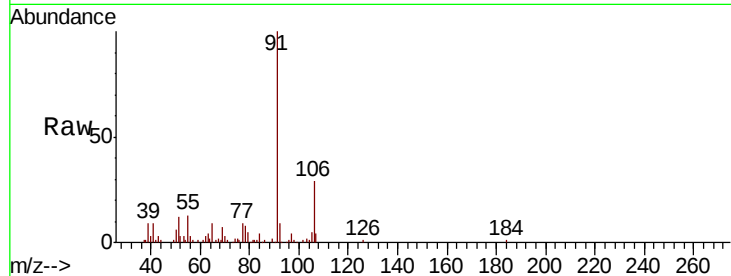
#58
Ethyl Benzene
Concen: 0.785 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.04 min
Lab File: VL034832.D
Acq: 7 Mar 2020 2:17

Instrument :
MSVOA_L
ClientSampled :
SS-1-4DL2

Tot Ion: 91 Resp: 197326
Ion Ratio Lower Upper
91 100
106 28.9 22.8 34.2

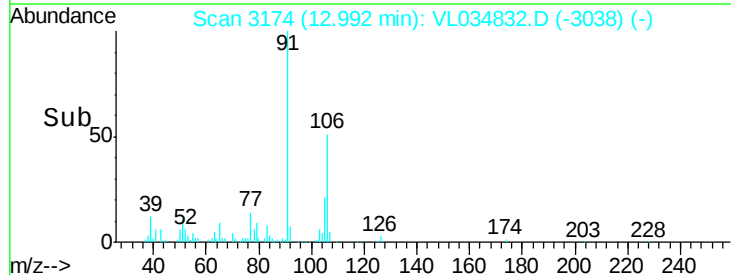
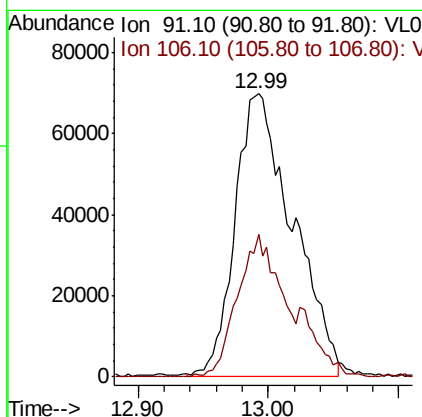
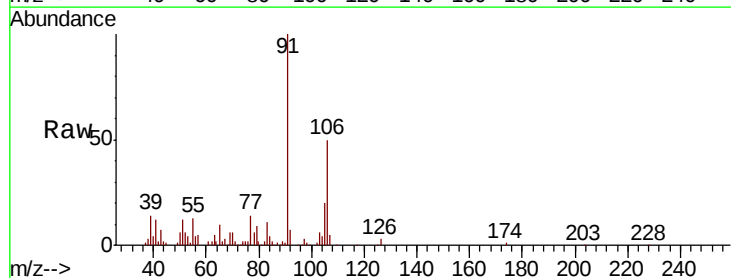
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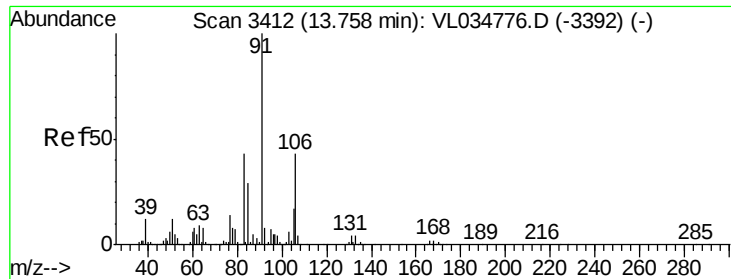
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#59
m/p-Xylene
Concen: 0.986 ppbv m
RT: 12.99 min Scan# 3174
Delta R.T. -0.06 min
Lab File: VL034832.D
Acq: 7 Mar 2020 2:17

Tgt Ion: 91 Resp: 214637
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.8#





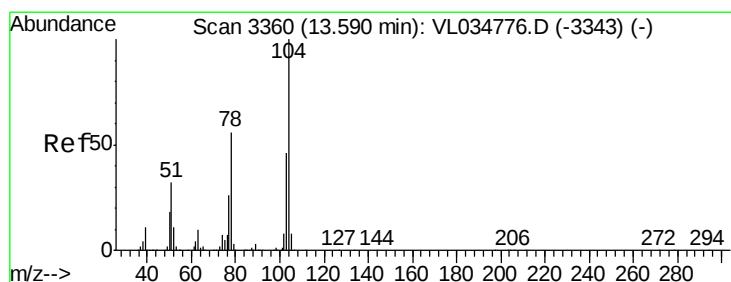
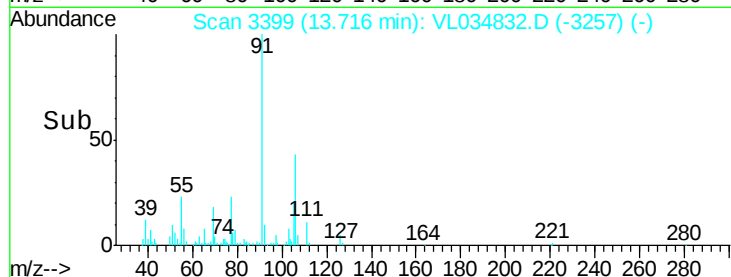
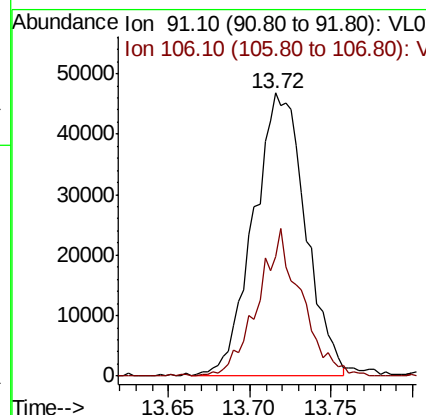
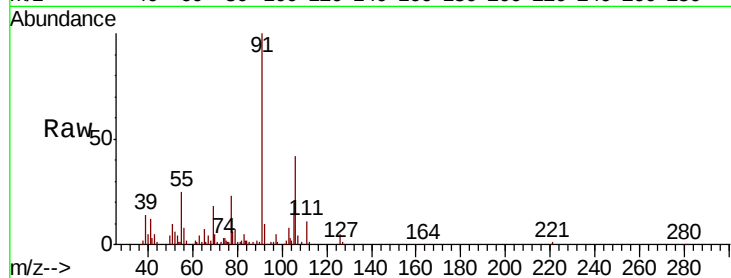
#60
o-Xylene
Concen: 0.474 ppbv m
RT: 13.72 min Scan# 3399
Delta R.T. -0.04 min
Lab File: VL034832.D
Acq: 7 Mar 2020 2:17

Instrument :
MSVOA_L
ClientSampled :
SS-1-4DL2

Tot Ion	Ratio	Lower	Upper
91	100		
106	43.9	21.7	65.1

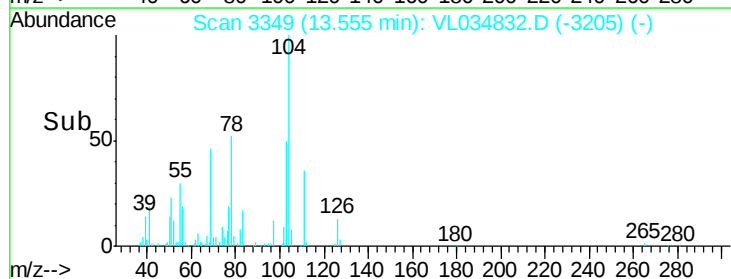
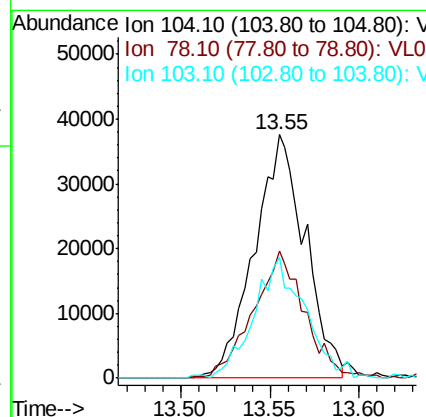
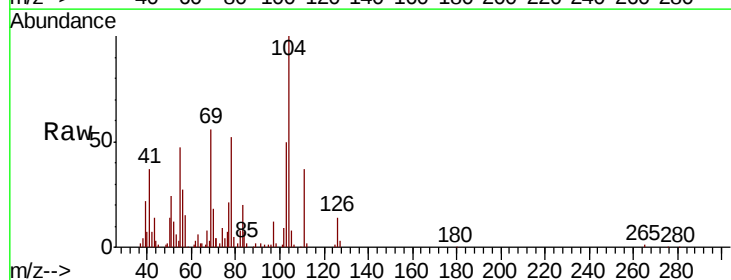
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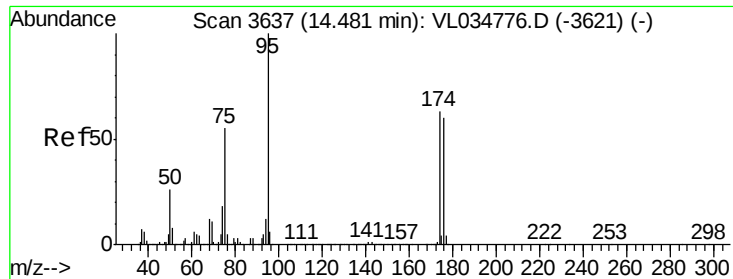
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#61
Styrene
Concen: 0.548 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.04 min
Lab File: VL034832.D
Acq: 7 Mar 2020 2:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.0	44.7	67.1
103	50.1	38.2	57.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.455 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.04 min
 Lab File: VL034832.D
 Acq: 7 Mar 2020 2:17

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1-4DL2

Tot Ion: 95 Resp: 1608083
 Ion Ratio Lower Upper
 95 100
 174 71.0 50.6 76.0
 175 5.4 3.8 5.6

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