

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036233.D
 Acq On : 13 Jan 2021 20:14
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jan 13 22:09:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jan 13 07:53:51 2021
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1510215	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3256061	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2895860	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2382743	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

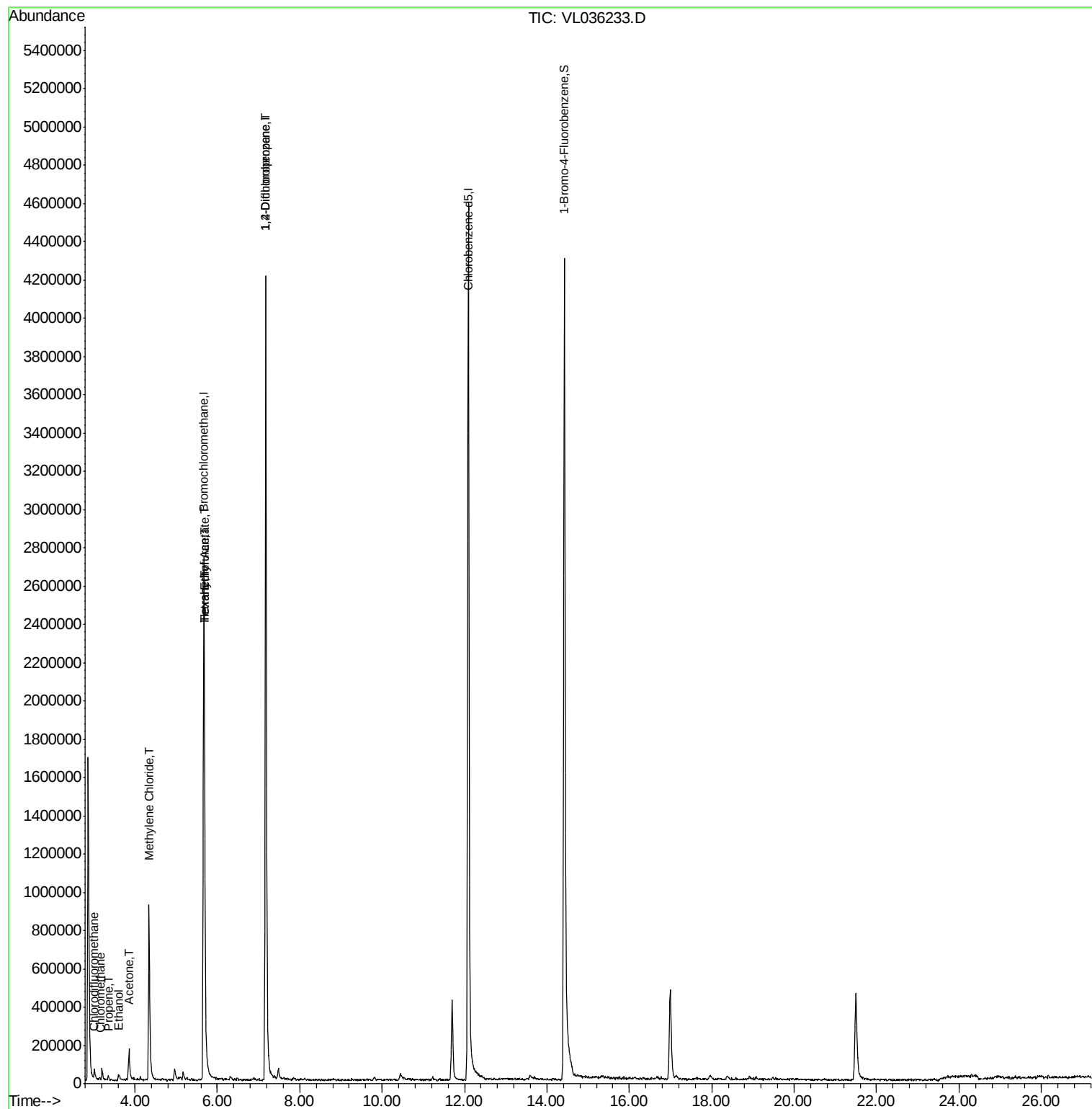
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	11109	0.059	ppbv	96
4) Chloromethane	3.14	50	5842	0.063	ppbv #	63
9) Propene	3.35	41	4112	0.046	ppbv	89
13) Ethanol	3.60	45	9689	0.517	ppbv #	29
15) Acetone	3.85	43	215773	1.203	ppbv	94
20) Methylene Chloride	4.35	84	317196	5.775	ppbv	97
25) Ethyl Acetate	5.69	43	292958	0.802	ppbv #	77
26) Hexane	5.69	57	396881	2.598	ppbv #	37
39) 1,2-Dichloropropane	7.18	63	975186	8.051	ppbv #	22
41) Tetrahydrofuran	5.69	42	156776	1.285	ppbv #	52

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

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QLast Update : Wed Jan 13 07:53:51 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL036233.D

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

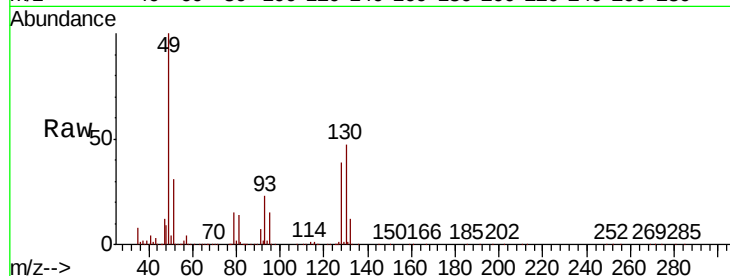
Tot Ion: 49 Resp: 1510215

Ion Ratio Lower Upper

49 100

128 41.5 20.1 60.2

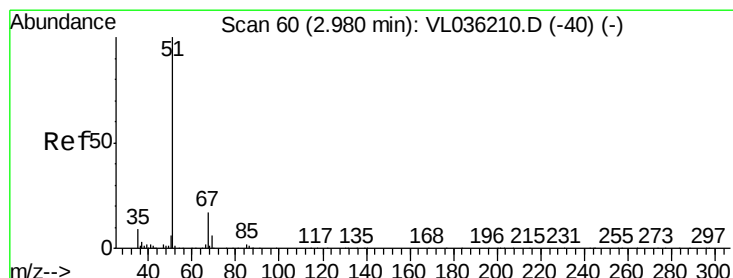
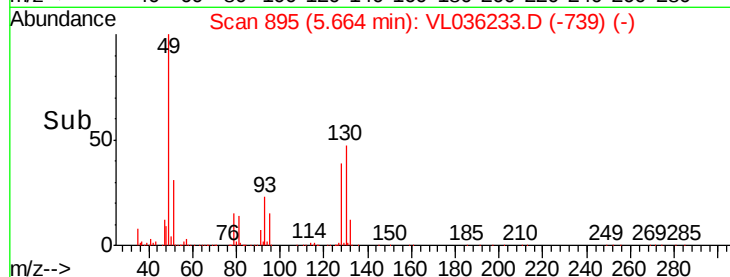
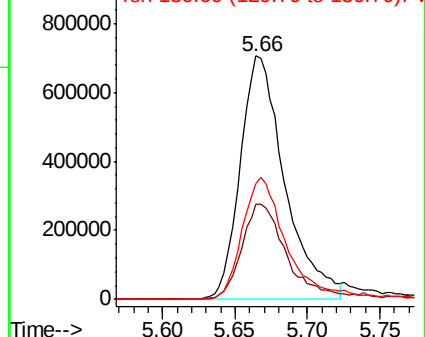
130 51.7 25.3 75.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.059 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL036233.D

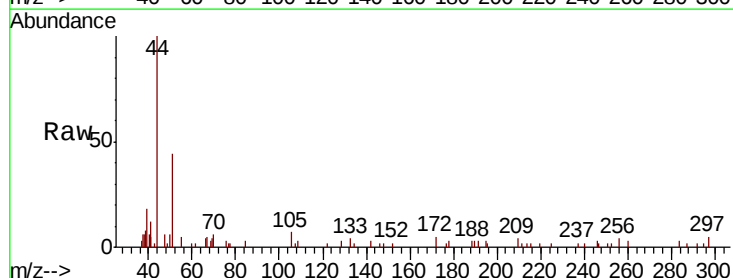
Acq: 13 Jan 2021 20:14

Tgt Ion: 51 Resp: 11109

Ion Ratio Lower Upper

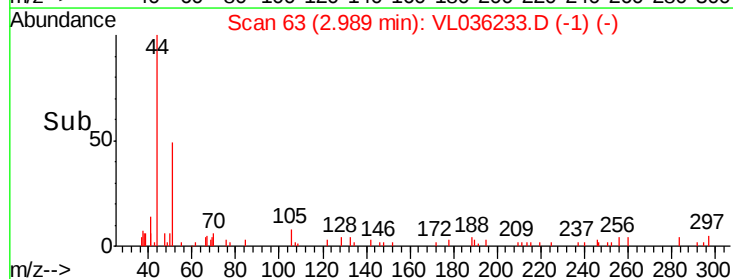
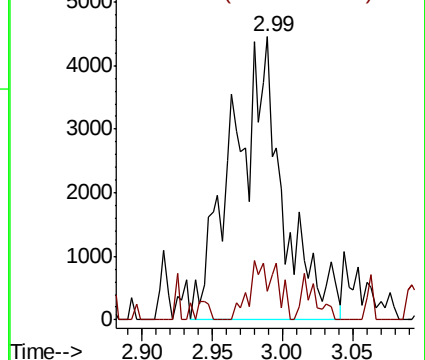
51 100

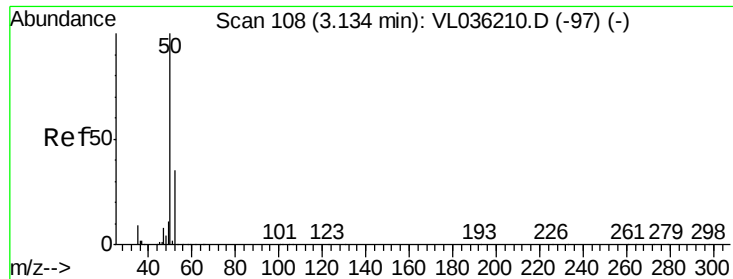
67 15.9 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.063 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL036233.D

Acq: 13 Jan 2021 20:14

Instrument :

MSVOA_L

ClientSampleId :

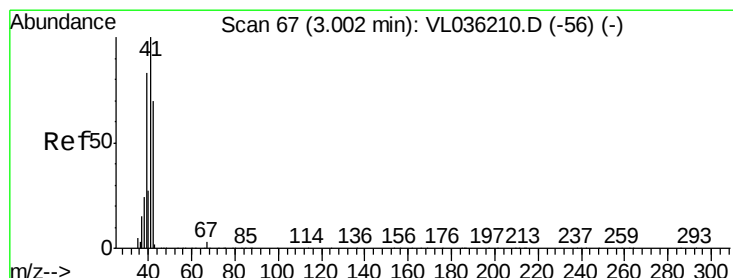
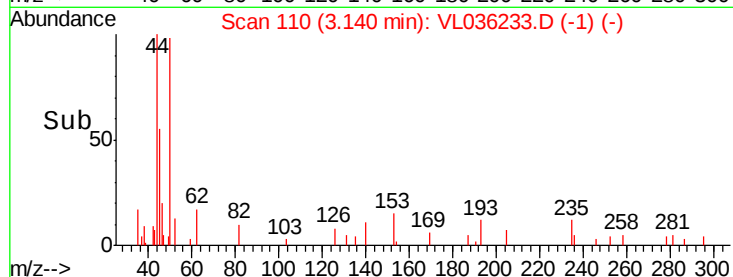
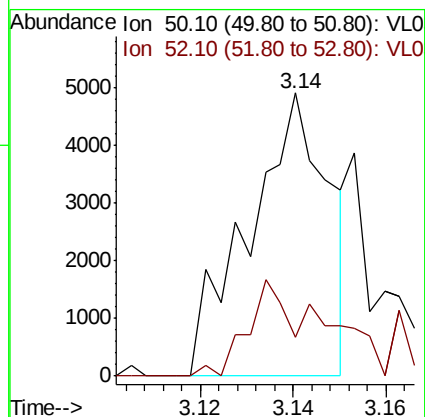
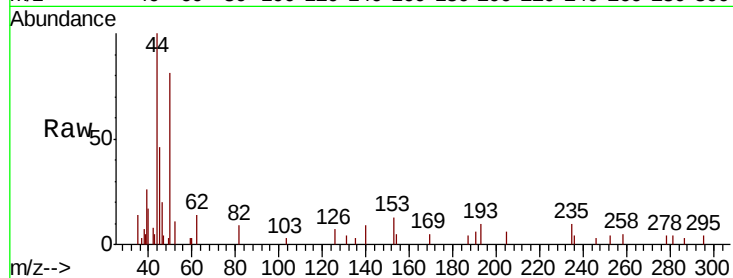
VIBLK

Tot Ion: 50 Resp: 5842

Ion Ratio Lower Upper

50 100

52 13.6 27.8 41.8#



#9

Propene

Concen: 0.046 ppbv

RT: 3.35 min Scan# 176

Delta R.T. 0.35 min

Lab File: VL036233.D

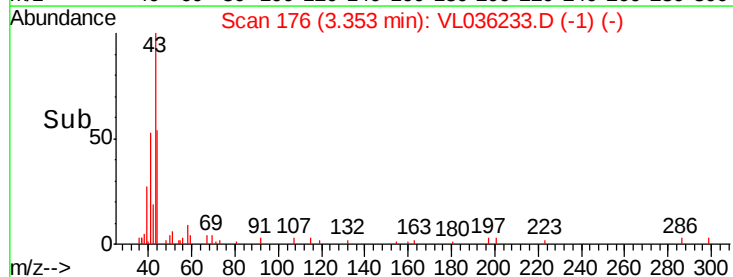
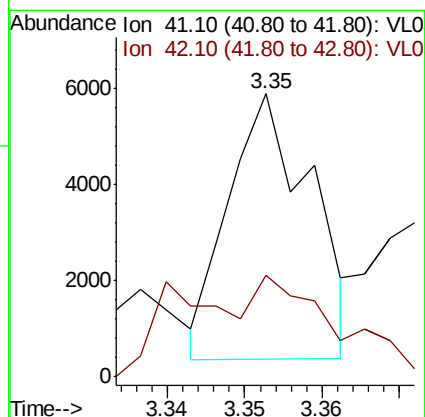
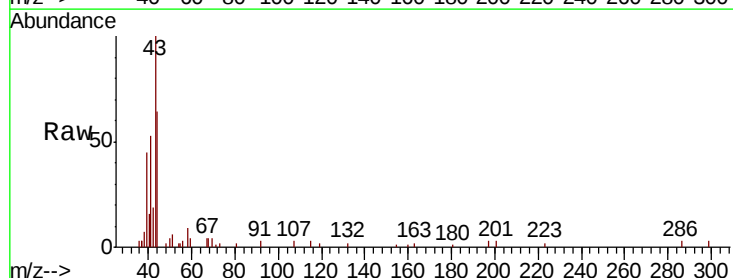
Acq: 13 Jan 2021 20:14

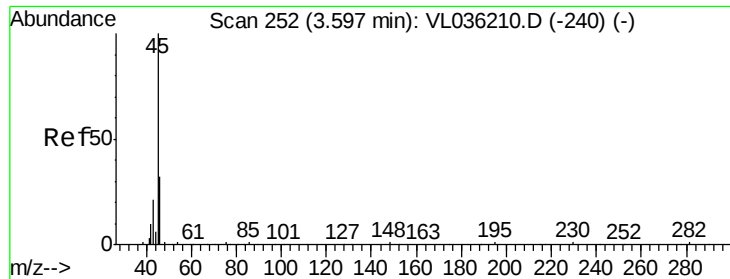
Tgt Ion: 41 Resp: 4112

Ion Ratio Lower Upper

41 100

42 80.9 57.1 85.7

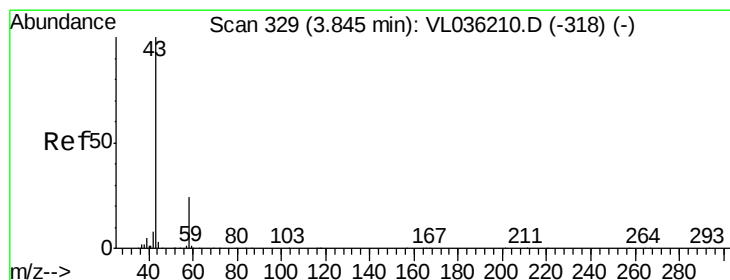
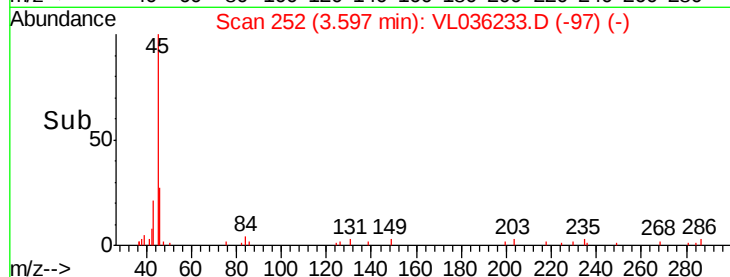
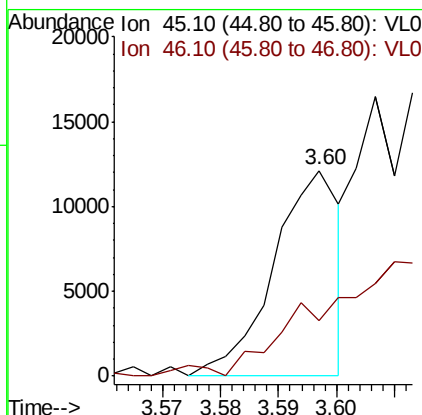
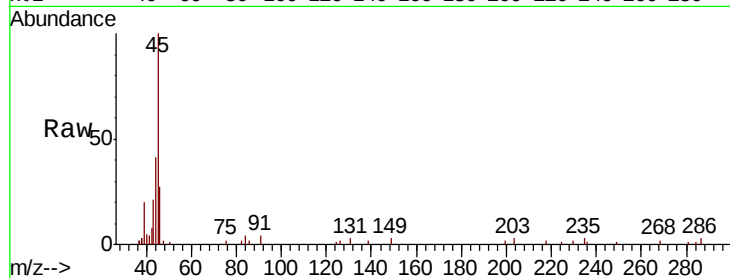




#13
Ethanol
Concen: 0.517 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL036233.D
Acq: 13 Jan 2021 20:14

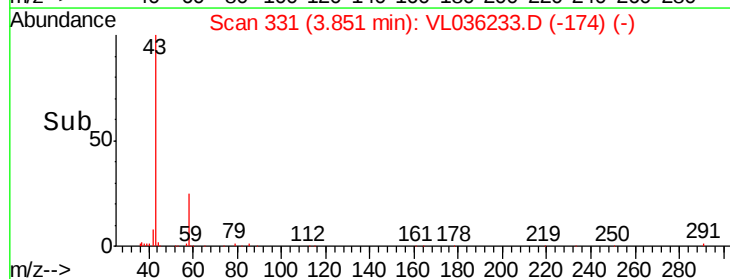
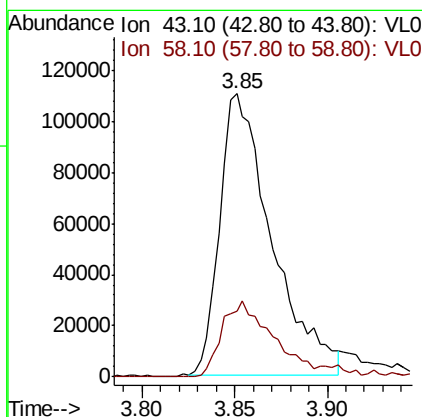
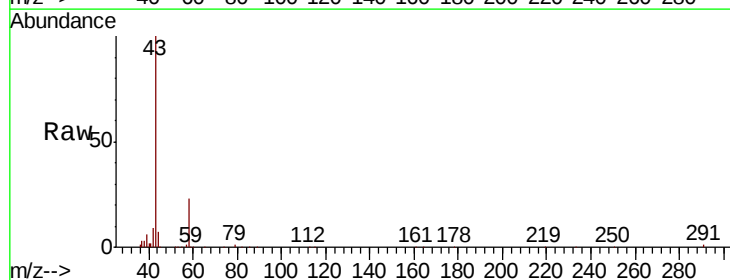
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

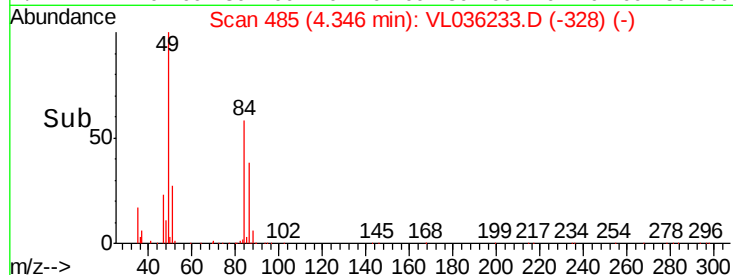
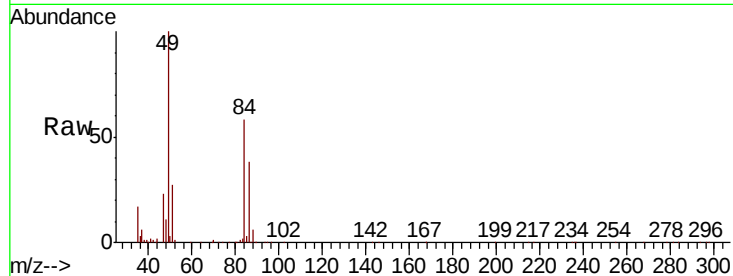
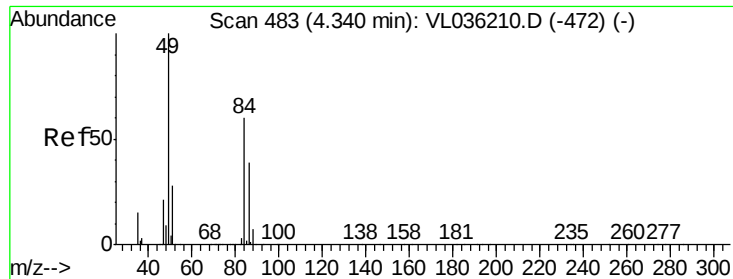
Tot Ion: 45 Resp: 9689
Ion Ratio Lower Upper
45 100
46 0.0 19.2 77.0#



#15
Acetone
Concen: 1.203 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL036233.D
Acq: 13 Jan 2021 20:14

Tgt Ion: 43 Resp: 215773
Ion Ratio Lower Upper
43 100
58 29.3 20.9 31.3

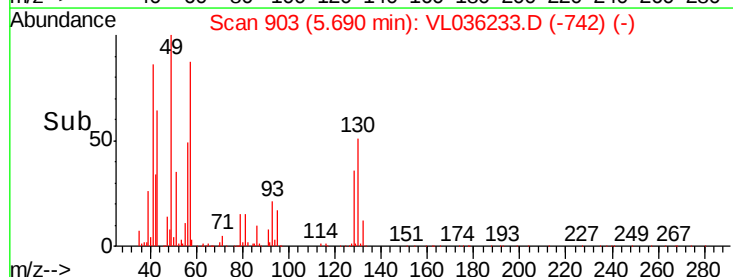
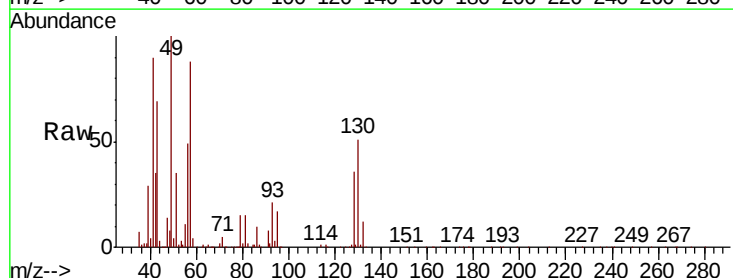
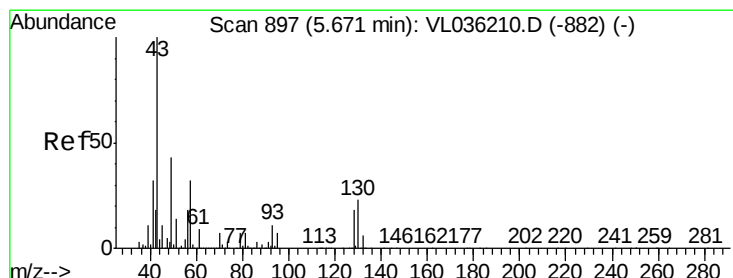
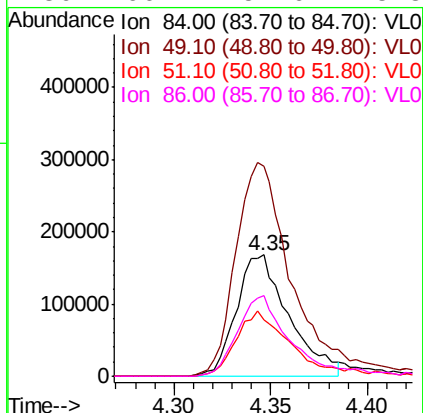




#20
Methvlene Chloride
Concen: 5.775 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL036233.D
Acq: 13 Jan 2021 20:14

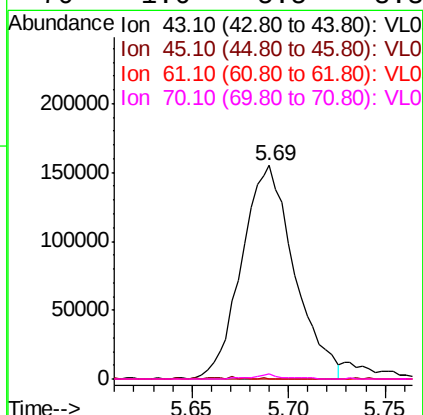
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

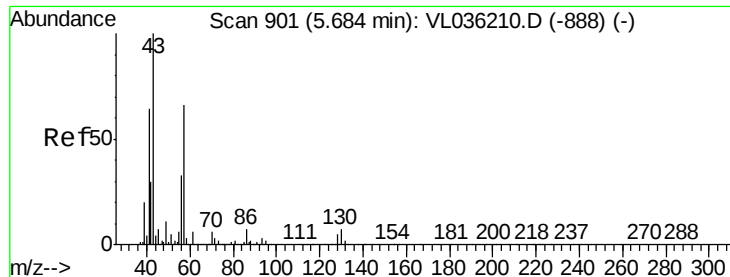
Tot Ion:	84	Resp:	317196
Ion	Ratio	Lower	Upper
84	100		
49	173.4	134.1	201.1
51	46.5	37.4	56.0
86	66.1	52.6	78.8



#25
Ethyl Acetate
Concen: 0.802 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL036233.D
Acq: 13 Jan 2021 20:14

Tgt Ion:	43	Resp:	292958
Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.3	12.5#
61	0.3	7.4	11.2#
70	1.6	5.5	8.3#

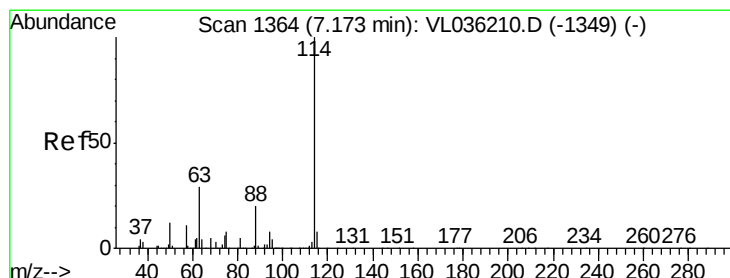
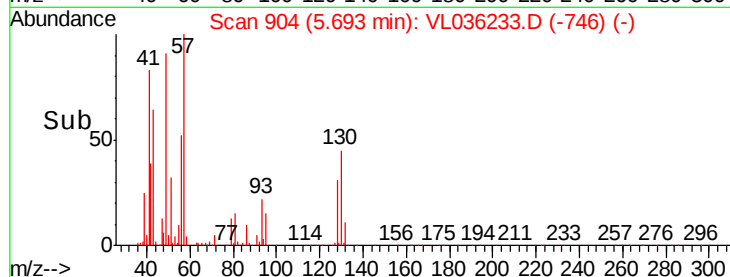
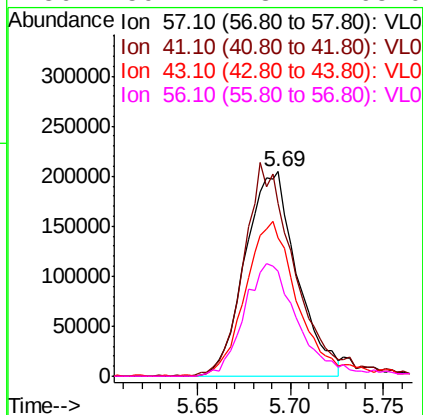
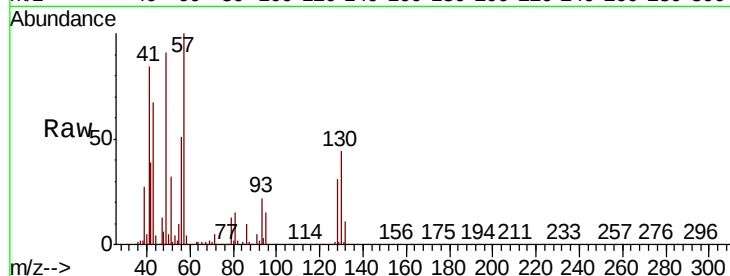




#26
Hexane
Concen: 2.598 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036233.D
Acq: 13 Jan 2021 20:14

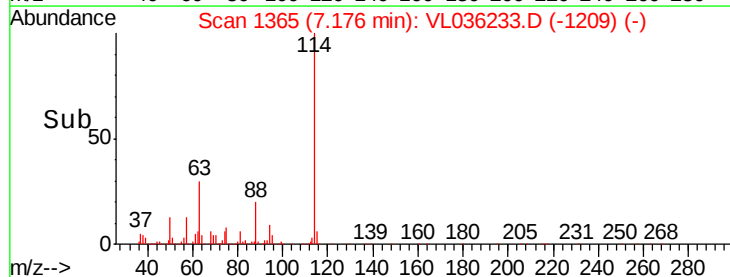
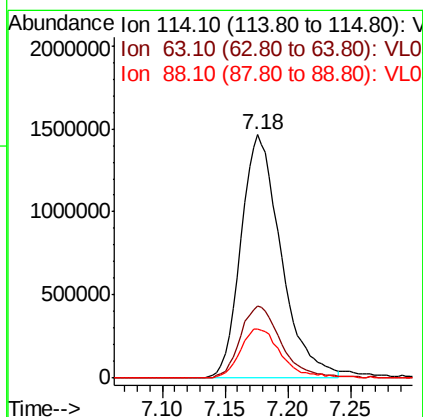
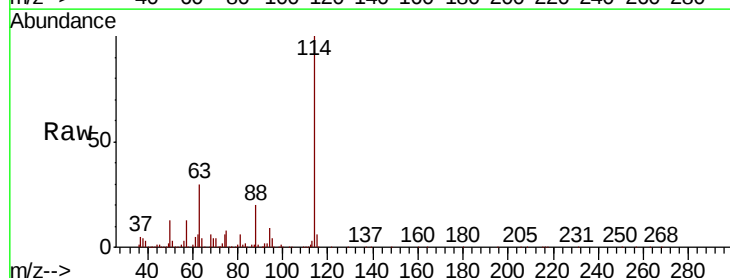
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

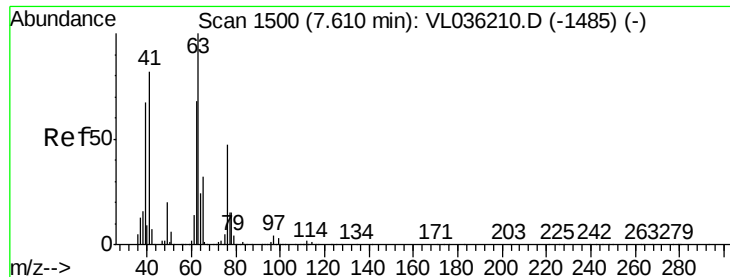
Tot Ion:	57	Resp:	396881
Ion	Ratio	Lower	Upper
57	100		
41	106.1	83.0	124.6
43	77.9	202.4	303.6#
56	59.1	43.4	65.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VL036233.D
Acq: 13 Jan 2021 20:14

Tgt Ion:	114	Resp:	3256061
Ion	Ratio	Lower	Upper
114	100		
63	30.7	24.7	37.1
88	21.0	16.6	24.8





#39

1,2-Dichloropropane

Concen: 8.051 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.43 min

Lab File: VL036233.D

Acq: 13 Jan 2021 20:14

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

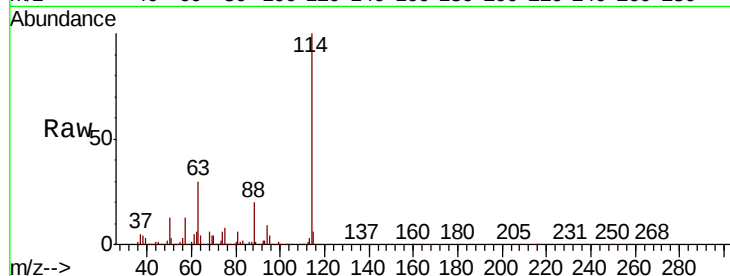
Tot Ion: 63 Resp: 975186

Ion Ratio Lower Upper

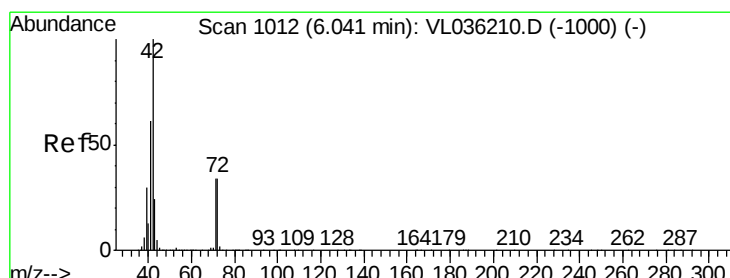
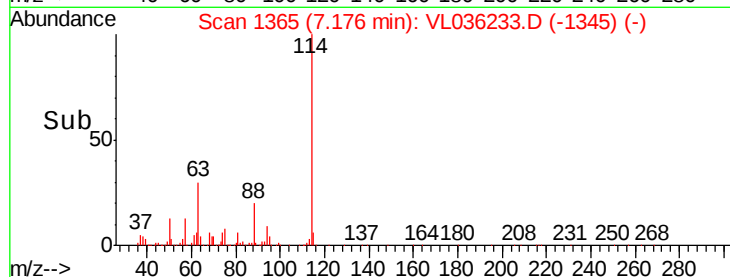
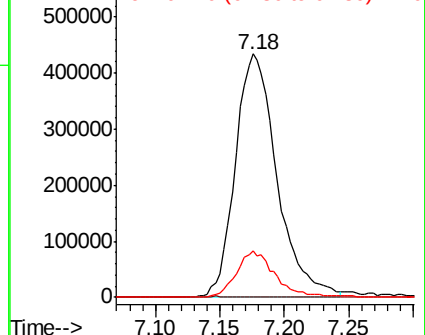
63 100

41 0.1 66.1 99.1#

62 19.2 54.8 82.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 1.285 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.35 min

Lab File: VL036233.D

Acq: 13 Jan 2021 20:14

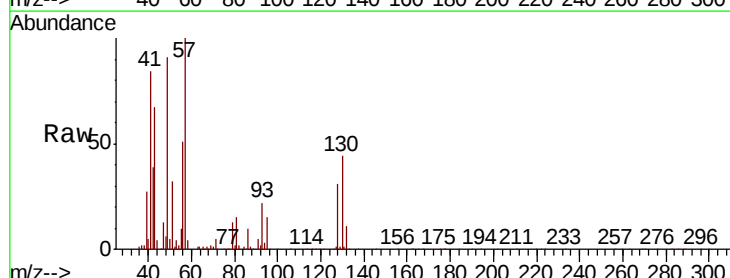
Tgt Ion: 42 Resp: 156776

Ion Ratio Lower Upper

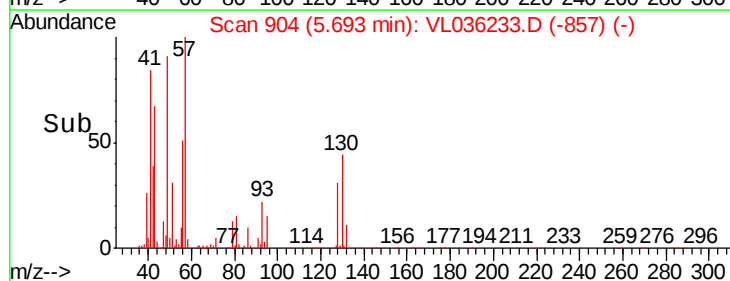
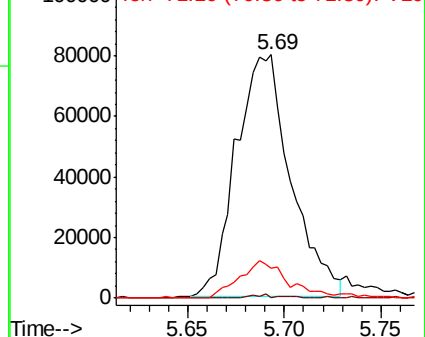
42 100

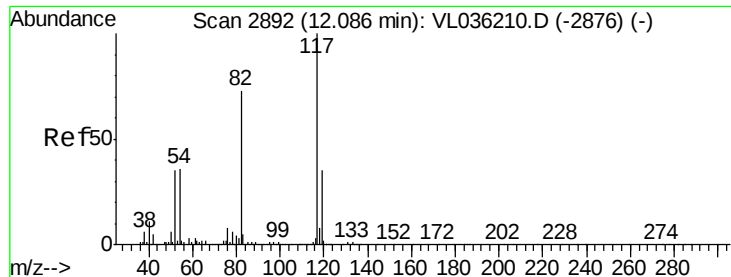
72 0.7 29.5 44.3#

71 15.2 29.1 43.7#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

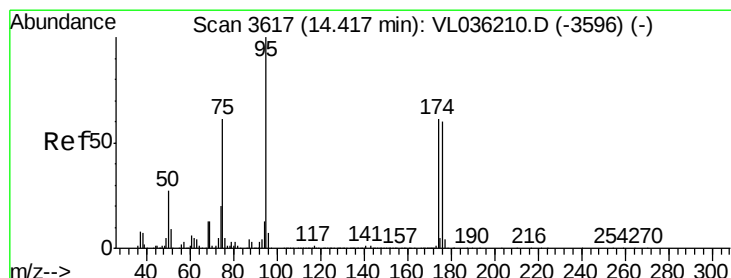
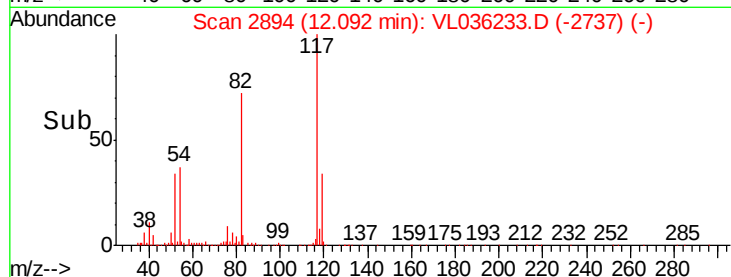
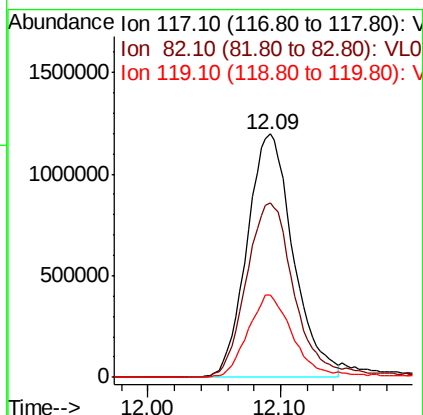
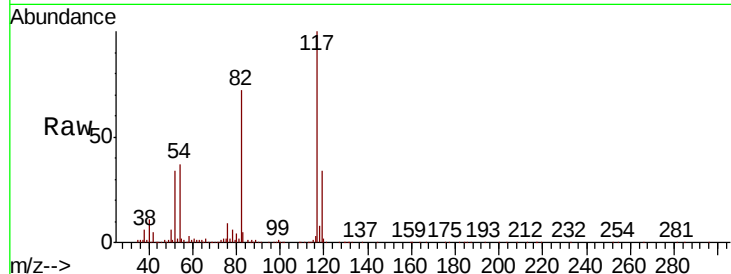




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.01 min
Lab File: VL036233.D
Acq: 13 Jan 2021 20:14

Instrument :
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ClientSampleId :
VIBLK

Tot Ion:117 Resp: 2895860
Ion Ratio Lower Upper
117 100
82 77.5 59.7 89.5
119 33.9 28.6 43.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.941 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. 0.01 min
Lab File: VL036233.D
Acq: 13 Jan 2021 20:14

Tgt Ion: 95 Resp: 2382743
Ion Ratio Lower Upper
95 100
174 65.1 49.4 74.0
175 4.9 3.8 5.8

