

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072224\
 Data File : VV036631.D
 Acq On : 22 Jul 2024 16:50
 Operator : SY/MD
 Sample : P3276-02
 Misc : 9.29g/10.0mL/MSVOA_V/SOILA
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 23 02:06:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 23 02:04:44 2024
 Response via : Initial Calibration

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

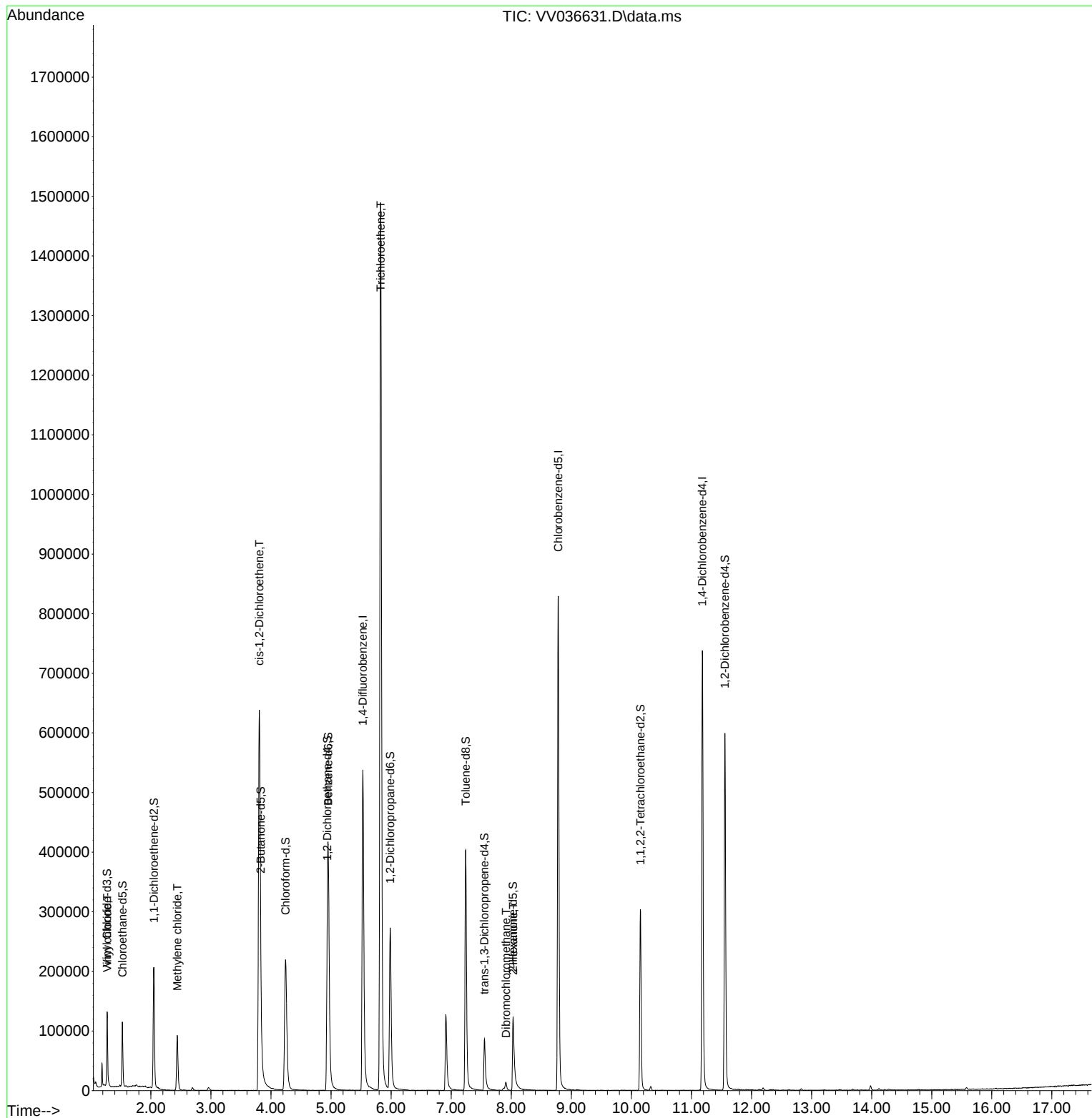
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	511556	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	504706	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	213992	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	63944	11.413	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	45.640%		
7) Chloroethane-d5	1.526	69	71577	14.145	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	56.560%		
11) 1,1-Dichloroethene-d2	2.050	65	32029	10.812	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	43.240%#		
21) 2-Butanone-d5	3.828	46	64766	49.532	ug/L	-0.02
Spiked Amount 50.000	Range 20 - 135		Recovery =	99.060%		
24) Chloroform-d	4.243	84	247329	18.281	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	73.120%		
26) 1,2-Dichloroethane-d4	4.937	65	141062	21.134	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	84.520%		
32) Benzene-d6	4.953	84	363411	15.193	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	60.760%		
36) 1,2-Dichloropropane-d6	5.986	67	132463	19.435	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	77.720%		
41) Toluene-d8	7.243	98	294140	12.885	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	51.560%		
43) trans-1,3-Dichloroprop...	7.555	79	56757	18.732	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	74.920%		
47) 2-Hexanone-d5	8.030	63	46333	51.081	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	102.160%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	141335	23.792	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	95.160%		
66) 1,2-Dichlorobenzene-d4	11.558	152	169499	22.690	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	90.760%		
Target Compounds						Qvalue
5) Vinyl chloride	1.275	62	20642	2.501	ug/L	98
16) Methylene chloride	2.439	84	43646	4.586	ug/L	97
20) cis-1,2-Dichloroethene	3.806	96	385374	46.300	ug/L	100
34) Trichloroethene	5.825	95	518568	55.286	ug/L	97
48) 2-Hexanone	8.034	43	5482	2.270	ug/L #	53
49) Dibromochloromethane	7.911	129	3550	0.438	ug/L #	11

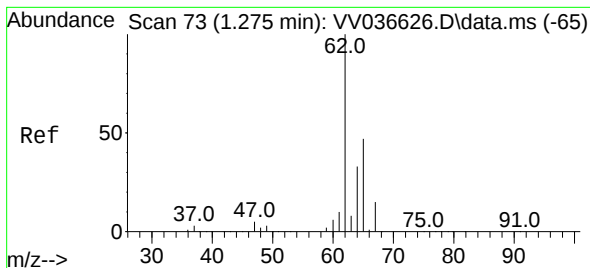
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Jul 23 02:04:44 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.501 ug/L

RT: 1.275 min Scan# 73

Delta R.T. -0.000 min

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Instrument :

MSVOA_V

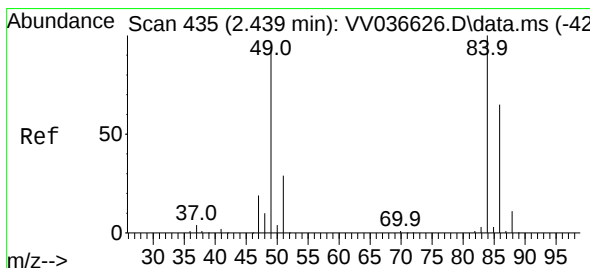
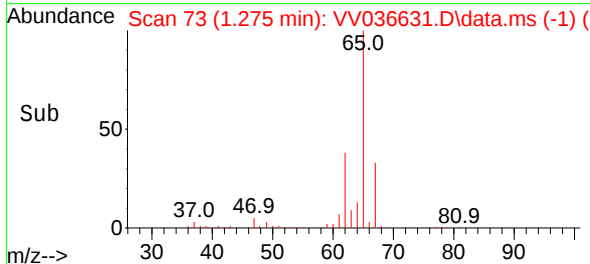
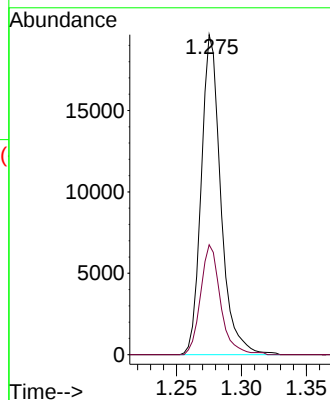
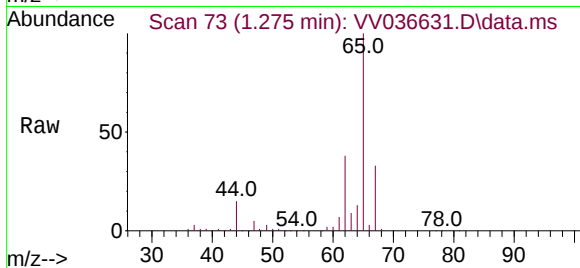
ClientSampleId :

Tgt Ion: 62 Resp: 20642

Ion Ratio Lower Upper

62 100

64 34.4 23.1 42.9



#16

Methylene chloride

Concen: 4.586 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.000 min

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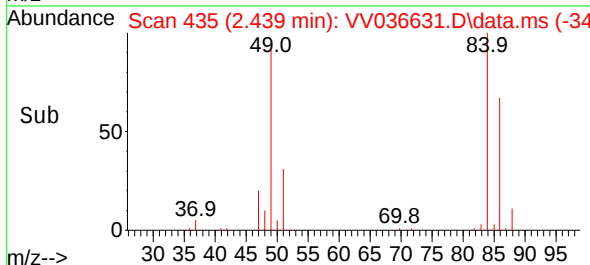
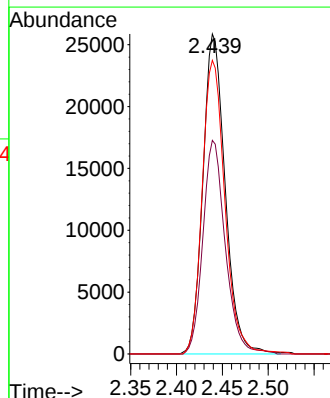
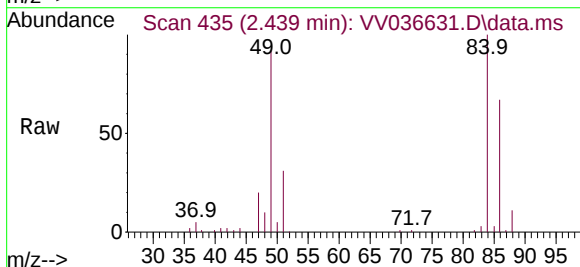
Tgt Ion: 84 Resp: 43646

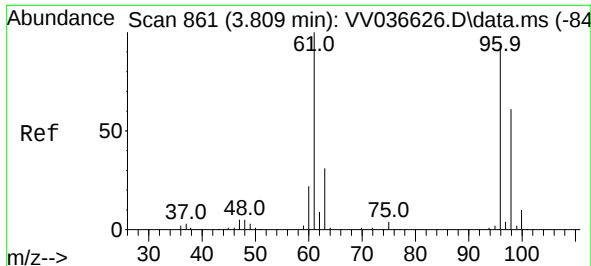
Ion Ratio Lower Upper

84 100

86 66.7 47.2 87.6

49 91.7 67.3 125.1





#20

cis-1,2-Dichloroethene

Concen: 46.300 ug/L

RT: 3.806 min Scan# 861

Delta R.T. -0.003 min

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Instrument :

MSVOA_V

ClientSampleId :

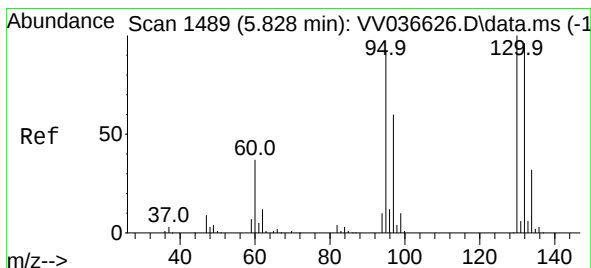
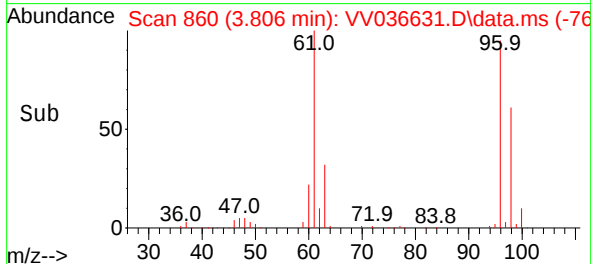
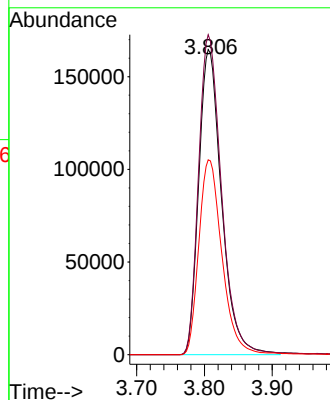
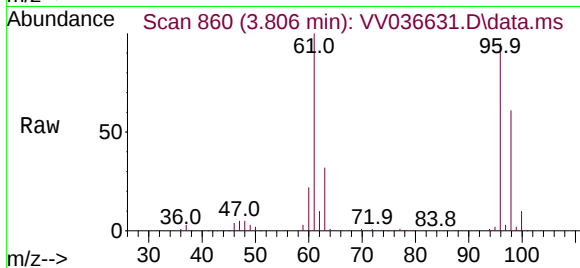
Tgt Ion: 96 Resp: 385374

Ion Ratio Lower Upper

96 100

61 104.9 73.0 135.6

98 63.9 44.8 83.2



#34

Trichloroethene

Concen: 55.286 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.003 min

Lab File: VV036631.D

Acq: 22 Jul 2024 16:50

Tgt Ion: 95 Resp: 518568

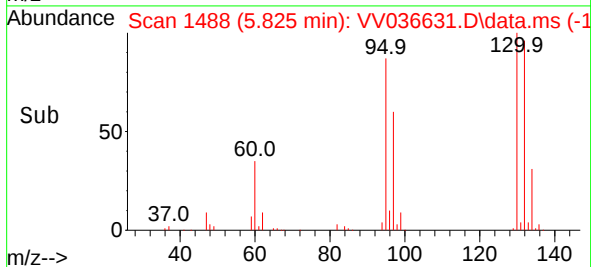
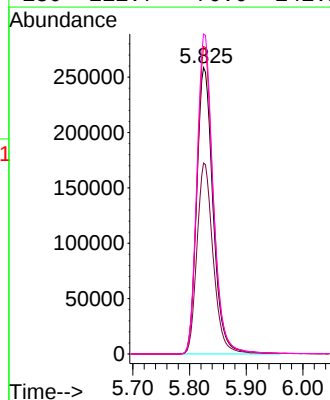
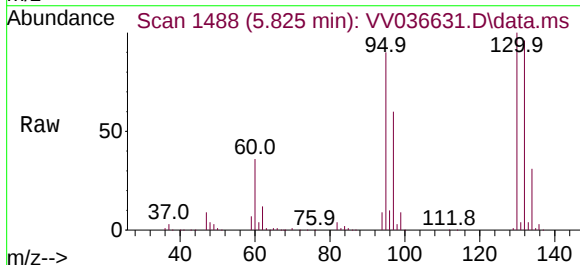
Ion Ratio Lower Upper

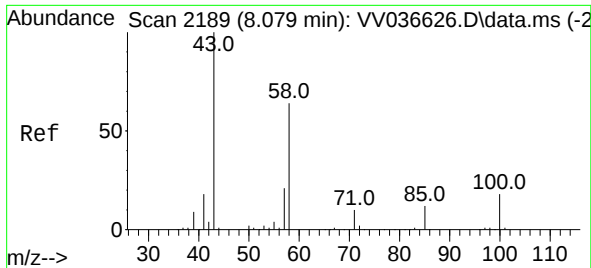
95 100

97 66.6 45.1 83.7

132 107.3 72.7 134.9

130 111.7 76.0 141.2





#48

2-Hexanone

Concen: 2.270 ug/L

RT: 8.034 min Scan# 2189

Delta R.T. -0.045 min

Lab File: VV036631.D

Acq: 22 Jul 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 5482

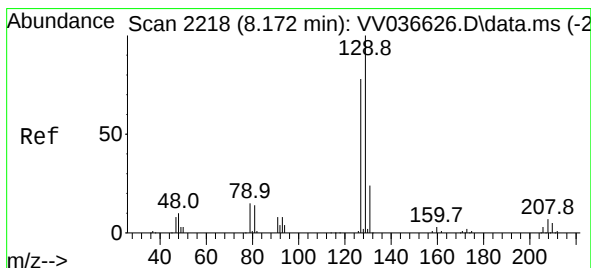
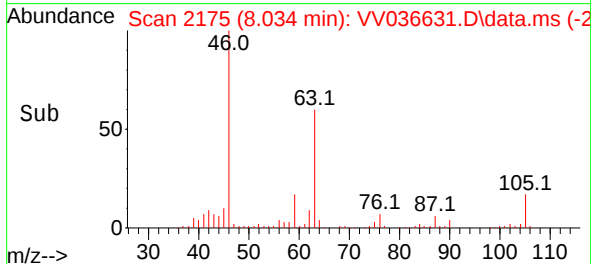
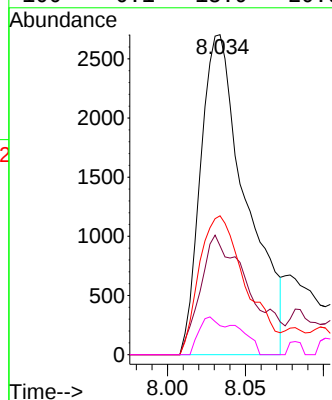
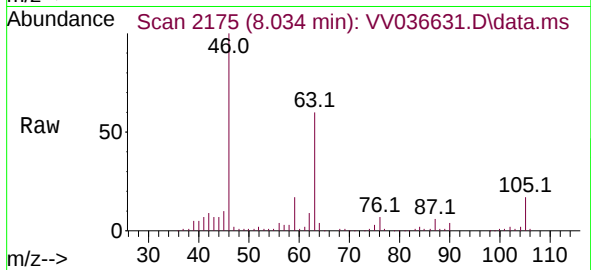
Ion Ratio Lower Upper

43 100

58 22.9 50.6 75.8#

57 44.9 17.7 26.5#

100 6.1 13.9 20.9#



#49

Dibromochloromethane

Concen: 0.438 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.260 min

Lab File: VV036631.D

Acq: 22 Jul 2024 16:50

Tgt Ion: 129 Resp: 3550

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#

