

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057098.D
 Acq On : 20 Dec 2023 17:40
 Operator : MD/SY
 Sample : 05866-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F7C39

Quant Time: Dec 20 23:47:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 23:41:59 2023
 Response via : Initial Calibration

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

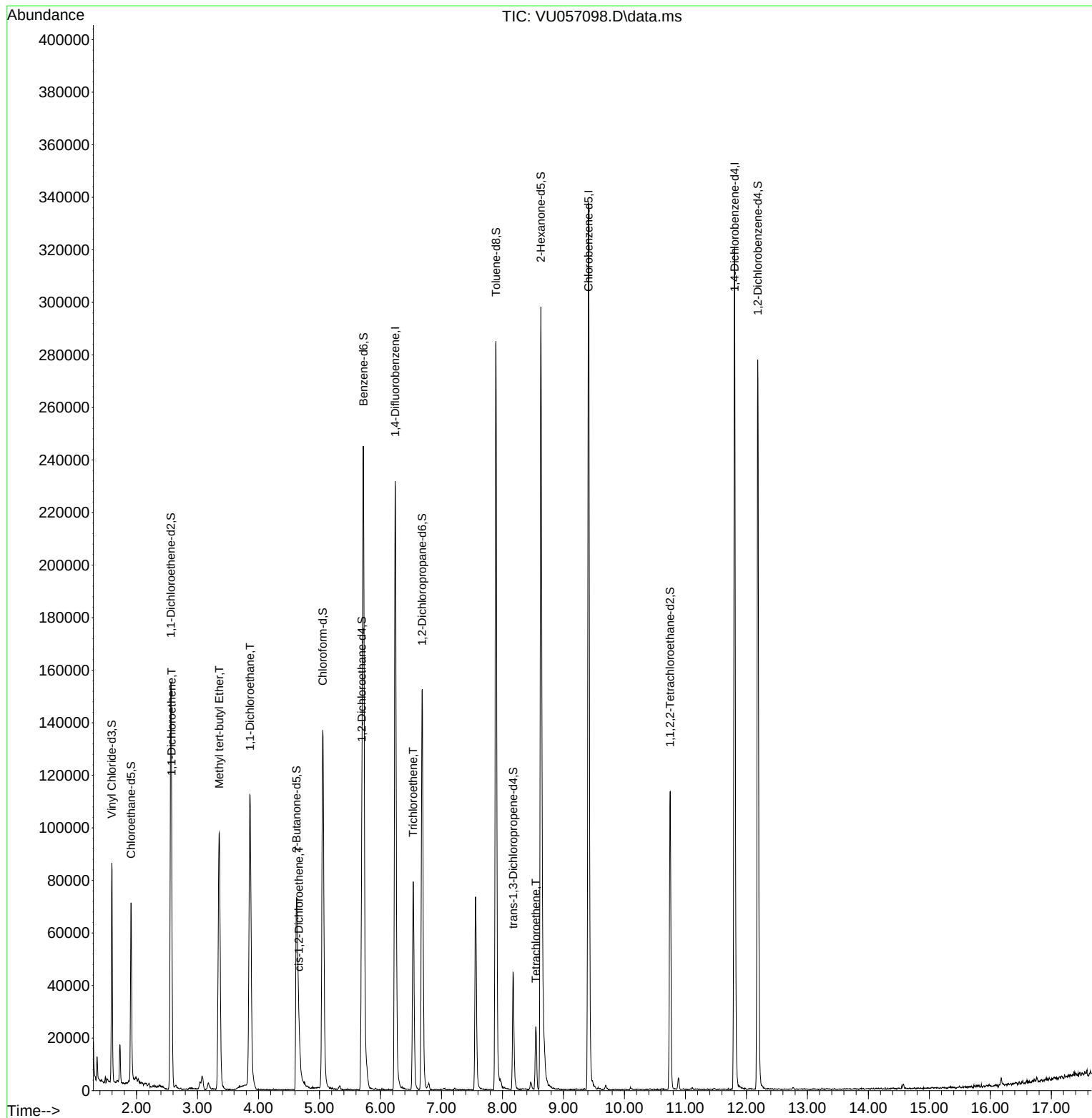
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	187061	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	193252	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	84692	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	58049	3.620	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.400%
7) Chloroethane-d5	1.911	69	50119	4.177	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.600%
11) 1,1-Dichloroethene-d2	2.563	65	26031	3.794	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.800%
20) 2-Butanone-d5	4.624	46	127217	40.176	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.360%
24) Chloroform-d	5.055	84	133950	4.412	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
26) 1,2-Dichloroethane-d4	5.695	65	66509	4.629	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.721	84	230300	3.842	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.800%
36) 1,2-Dichloropropane-d6	6.682	67	71676	3.820	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.400%
41) Toluene-d8	7.894	98	194907	3.638	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.800%
43) trans-1,3-Dichloroprop...	8.177	79	27536	3.785	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.600%
46) 2-Hexanone-d5	8.631	63	102174	37.234	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.460%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	57220	4.215	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	71508	4.295	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	14129	0.930	ug/L	# 13
17) Methyl tert-butyl Ether	3.357	73	108565	3.224	ug/L	97
19) 1,1-Dichloroethane	3.862	63	129093	4.358	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	2274	0.136	ug/L	70
34) Trichloroethene	6.537	95	27441	1.473	ug/L	98
47) Tetrachloroethene	8.550	164	5038	0.386	ug/L	93

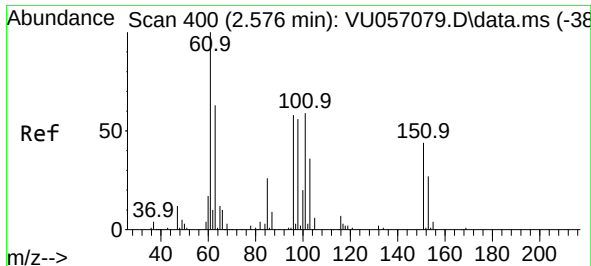
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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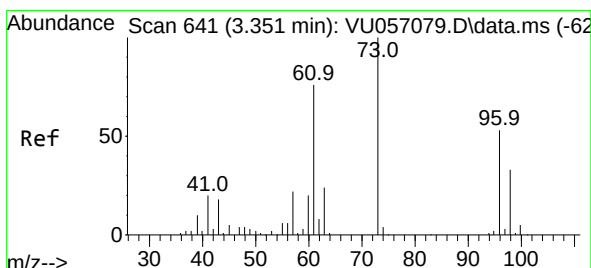
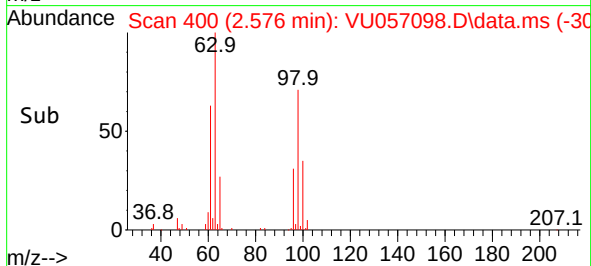
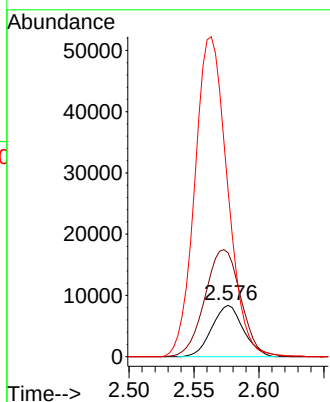
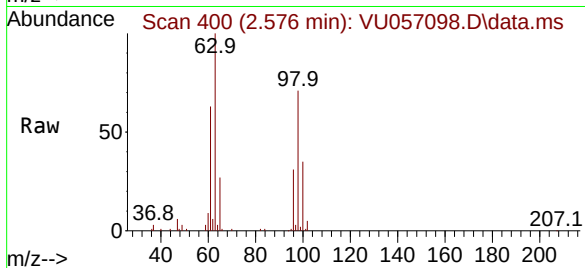




#12
1,1-Dichloroethene
Concen: 0.930 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU057098.D
Acq: 20 Dec 2023 17:40

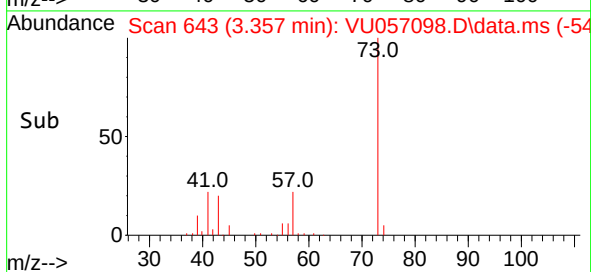
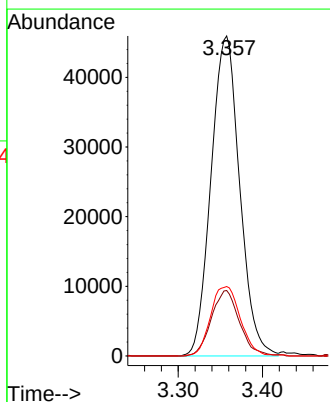
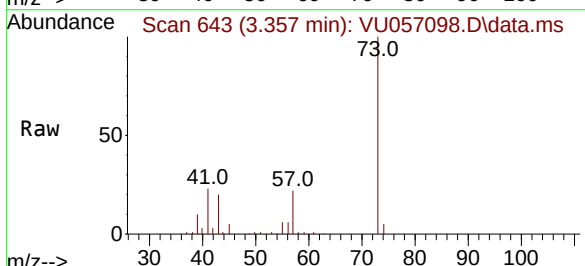
Instrument :
MSVOA_U
ClientSampleId :
F7C39

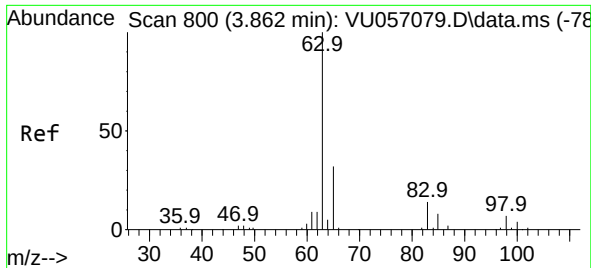
Tgt Ion: 96 Resp: 14129
Ion Ratio Lower Upper
96 100
61 202.1 119.0 221.0
63 323.1 88.7 164.7#



#17
Methyl tert-butyl Ether
Concen: 3.224 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.007 min
Lab File: VU057098.D
Acq: 20 Dec 2023 17:40

Tgt Ion: 73 Resp: 108565
Ion Ratio Lower Upper
73 100
43 20.1 14.4 21.6
57 22.7 17.8 26.8





#19

1,1-Dichloroethane

Concen: 4.358 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU057098.D

Acq: 20 Dec 2023 17:40

Instrument :

MSVOA_U

ClientSampleId :

F7C39

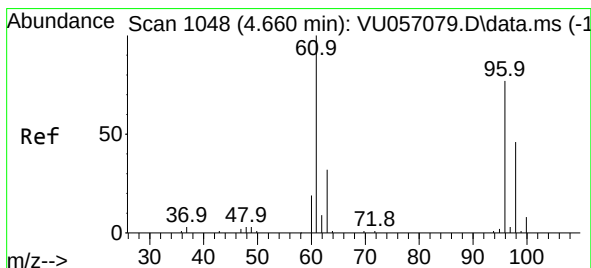
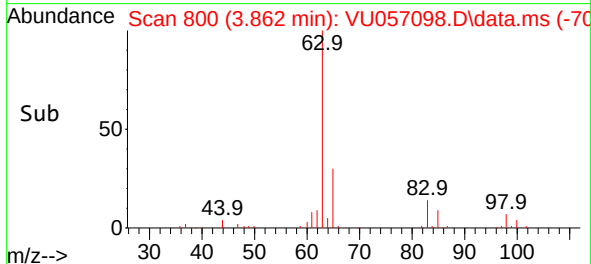
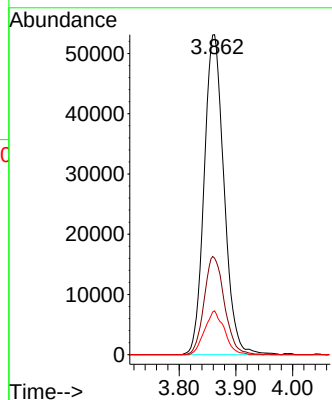
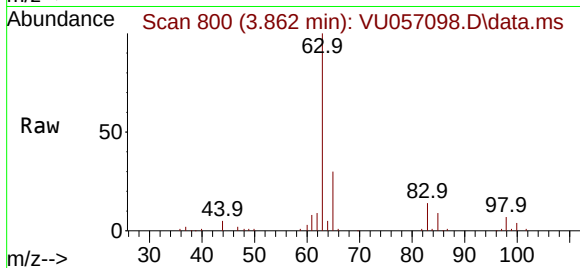
Tgt Ion: 63 Resp: 129093

Ion Ratio Lower Upper

63 100

65 30.2 22.9 42.5

83 13.7 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 0.136 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU057098.D

Acq: 20 Dec 2023 17:40

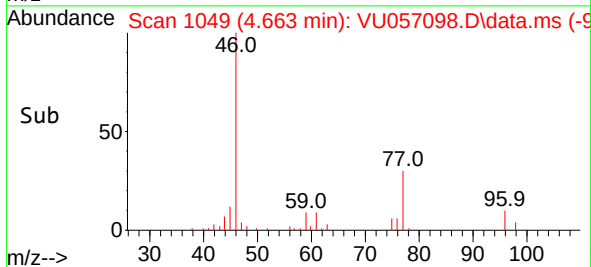
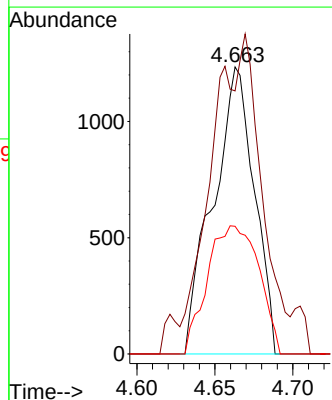
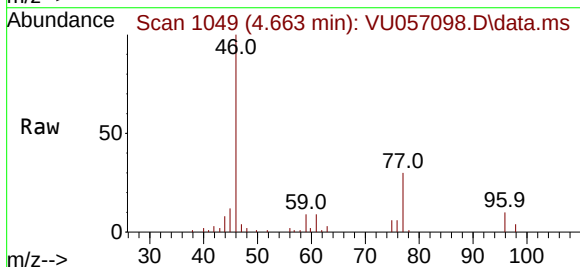
Tgt Ion: 96 Resp: 2274

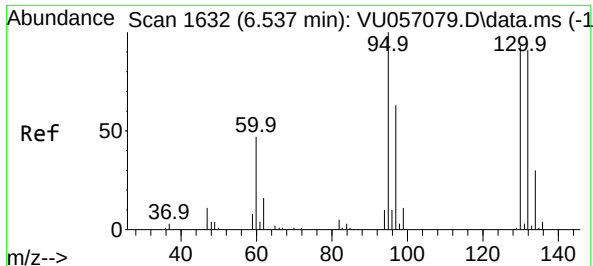
Ion Ratio Lower Upper

96 100

61 91.7 91.3 169.6

98 44.5 44.2 82.0



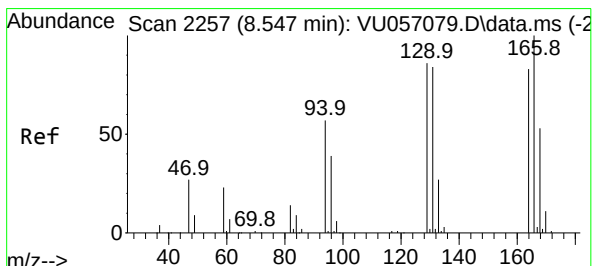
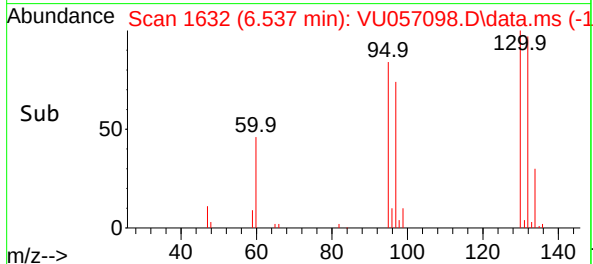
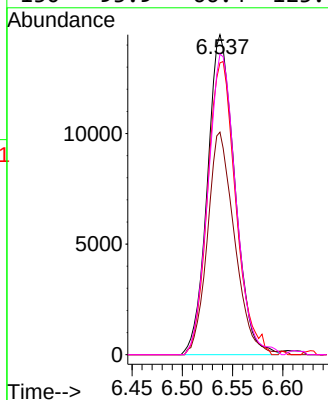
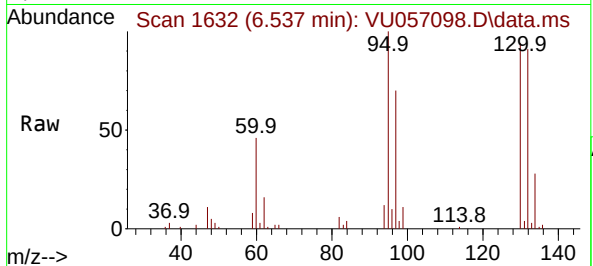


#34
Trichloroethene
Concen: 1.473 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057098.D
Acq: 20 Dec 2023 17:40

Instrument :
MSVOA_U
ClientSampleId :
F7C39

Tgt Ion: 95 Resp: 27441

Ion	Ratio	Lower	Upper
95	100		
97	69.5	46.1	85.5
132	91.2	63.6	118.0
130	93.9	66.4	123.4



#47
Tetrachloroethene
Concen: 0.386 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU057098.D
Acq: 20 Dec 2023 17:40

Tgt Ion: 164 Resp: 5038

Ion	Ratio	Lower	Upper
164	100		
129	103.9	73.4	136.4
131	110.6	71.5	132.9
166	143.8	92.7	172.1

