

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101618\
 Data File : VR026106.D
 Acq On : 16 Oct 2018 18:13
 Operator : SY/MD
 Sample : J5464-01
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 17 08:53:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 17 08:49:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	520155	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	429497	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	133030	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	241669	5.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.20%
7) Chloroethane-d5	2.63	69	206510	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	3.61	63	444244	3.97	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	6.59	46	195263	52.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.50%
24) Chloroform-d	7.20	84	341486	4.72	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	7.90	65	144606	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	7.85	84	700795	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	8.90	67	188755	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	9.97	98	653547	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	10.24	79	41499	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	10.59	63	153182	56.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.52%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	67673	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	112523	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

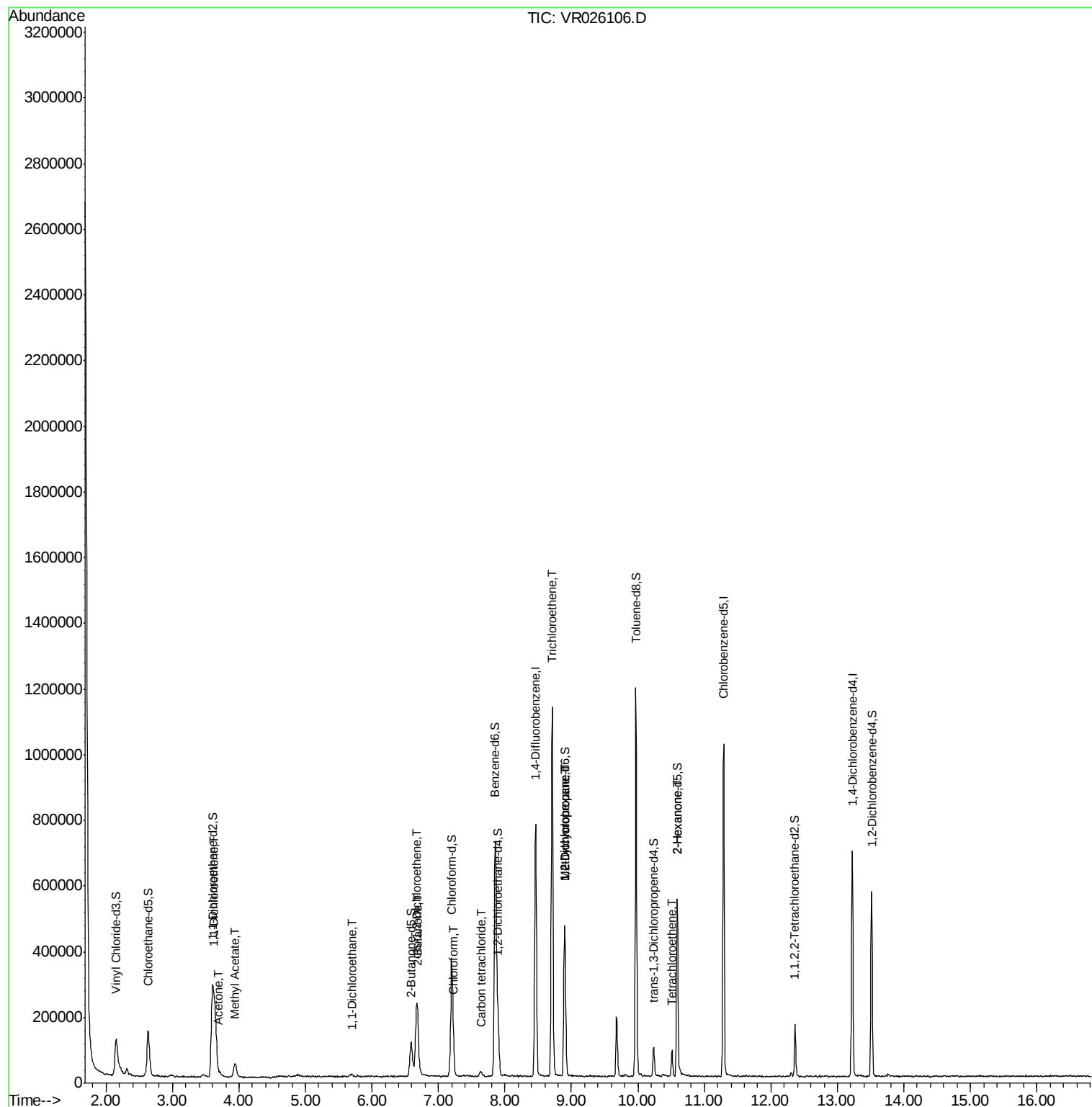
					Ovalue
12) 1,1-Dichloroethene	3.63	96	10410	0.206 ug/L #	1
13) Acetone	3.70	43	11334	2.934 ug/L	79
15) Methyl Acetate	3.94	43	20235	2.005 ug/L #	51
19) 1,1-Dichloroethane	5.70	63	9857	0.137 ug/L #	83
21) 2-Butanone	6.69	43	5245	1.177 ug/L	77
22) cis-1,2-Dichloroethene	6.67	96	101445	2.804 ug/L #	97
25) Chloroform	7.23	83	11234	0.160 ug/L	82
31) Carbon tetrachloride	7.63	117	11235	0.211 ug/L	98
34) Trichloroethene	8.71	95	356186	8.635 ug/L	99
35) Methylcyclohexane	8.90	83	44171	0.719 ug/L #	17
37) 1,2-Dichloropropane	8.90	63	24822	0.730 ug/L #	94
47) Tetrachloroethene	10.51	164	13635	0.463 ug/L	81
48) 2-Hexanone	10.59	43	22512	3.319 ug/L #	73

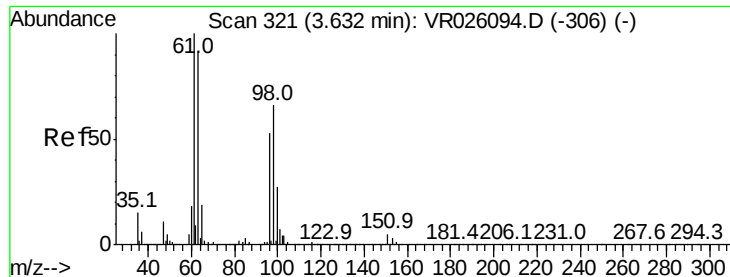
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.206 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.01 min

Lab File: VR026106.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_R

ClientSampled :

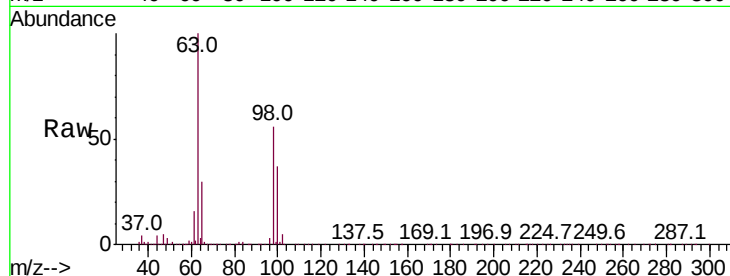
Tot Ion: 96 Resp: 10410

Ion Ratio Lower Upper

96 100

61 574.1 126.7 235.3#

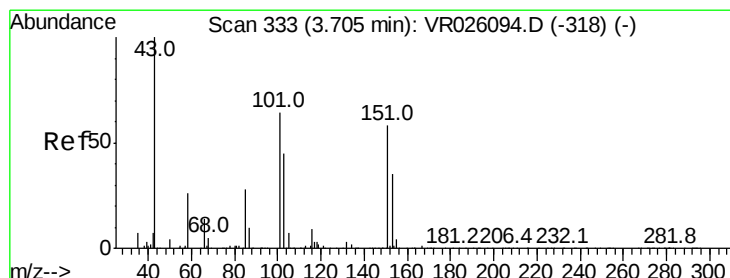
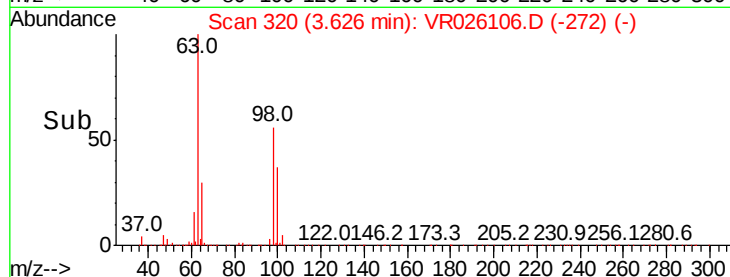
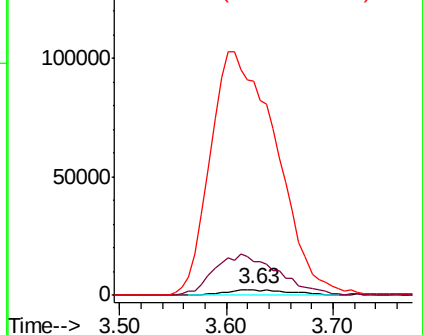
63 3614.1 125.0 232.2#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0



#13

Acetone

Concen: 2.934 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

Lab File: VR026106.D

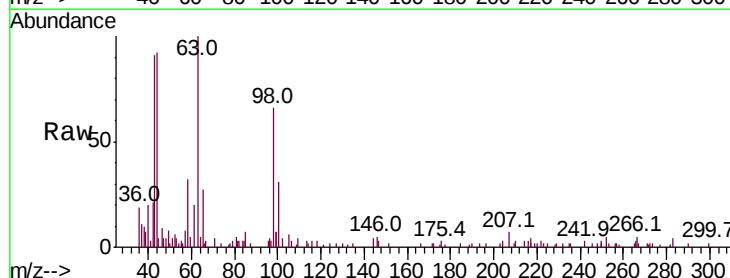
Acq: 16 Oct 2018 18:13

Tgt Ion: 43 Resp: 11334

Ion Ratio Lower Upper

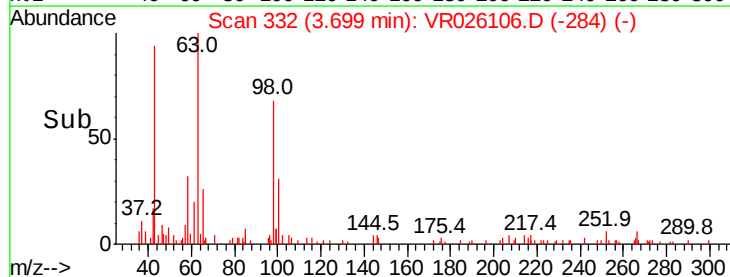
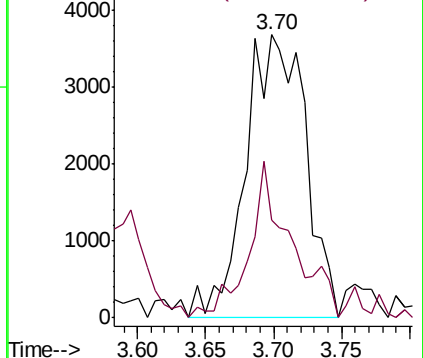
43 100

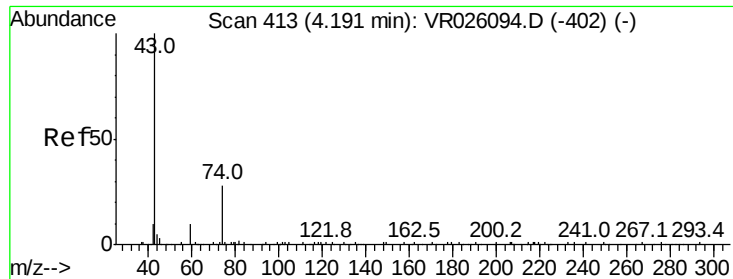
58 38.9 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

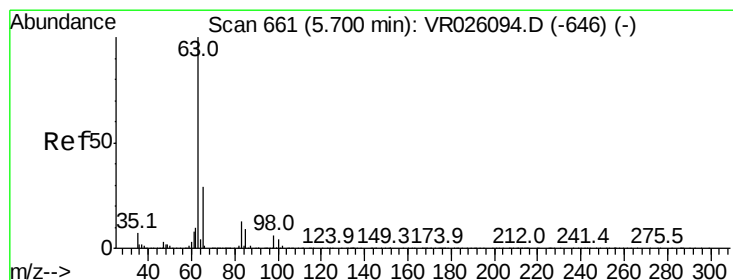
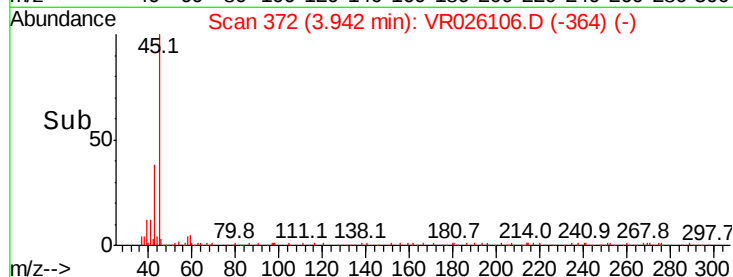
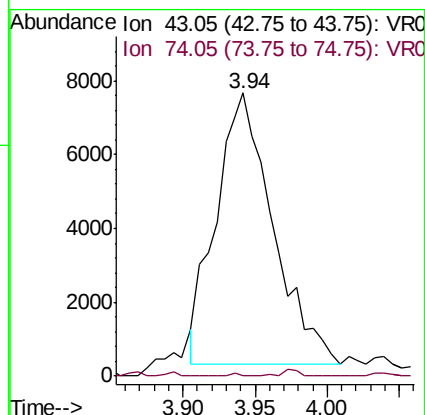
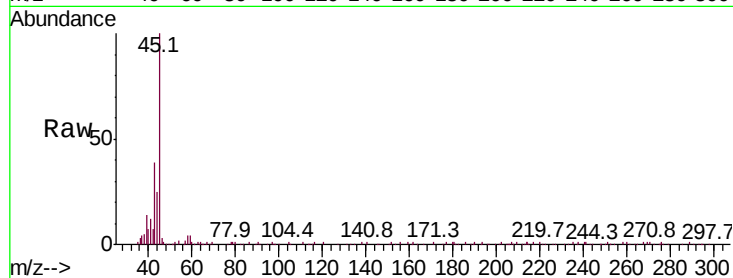




#15
Methvl Acetate
Concen: 2.005 ug/L
RT: 3.94 min Scan# 372
Delta R.T. -0.25 min
Lab File: VR026106.D
Acq: 16 Oct 2018 18:13

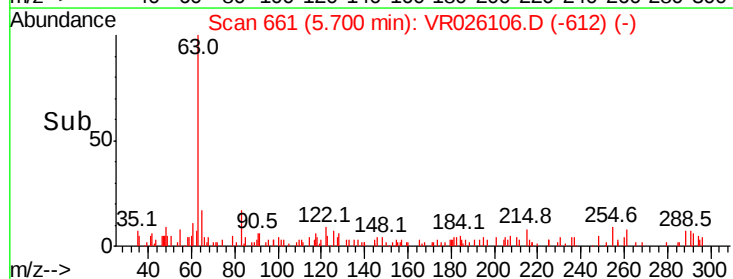
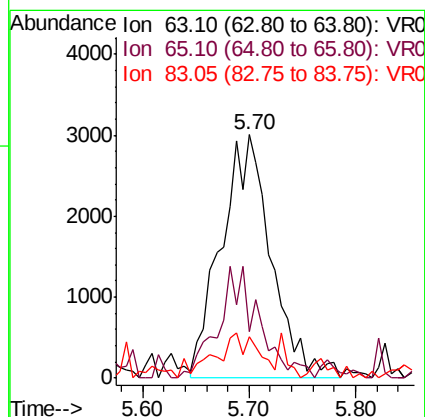
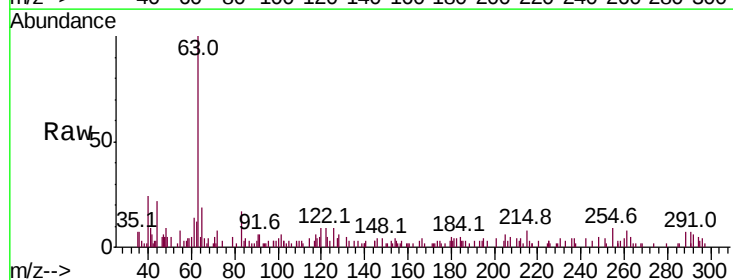
Instrument :
MSVOA_R
ClientSampled :

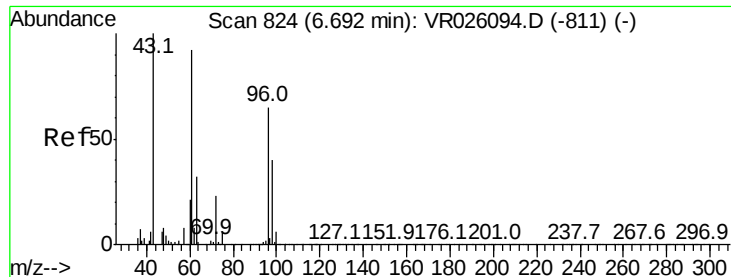
Tot Ion: 43 Resp: 20235
Ion Ratio Lower Upper
43 100
74 0.2 19.8 29.8#



#19
1,1-Dichloroethane
Concen: 0.137 ug/L
RT: 5.70 min Scan# 661
Delta R.T. -0.00 min
Lab File: VR026106.D
Acq: 16 Oct 2018 18:13

Tgt Ion: 63 Resp: 9857
Ion Ratio Lower Upper
63 100
65 19.0 21.2 39.4#
83 16.9 9.2 17.2

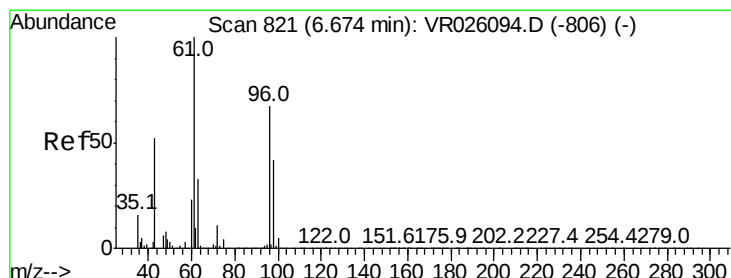
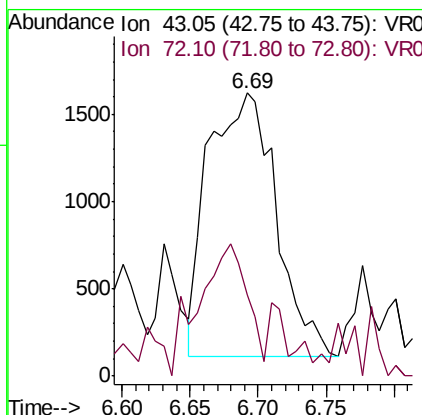
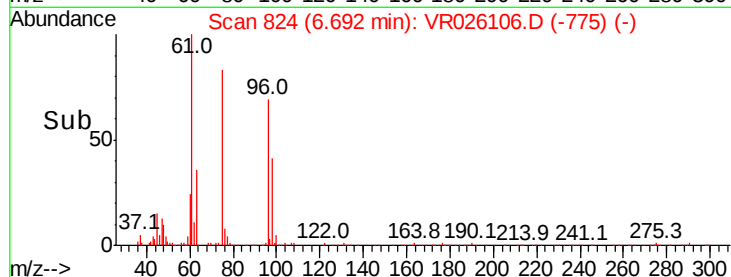
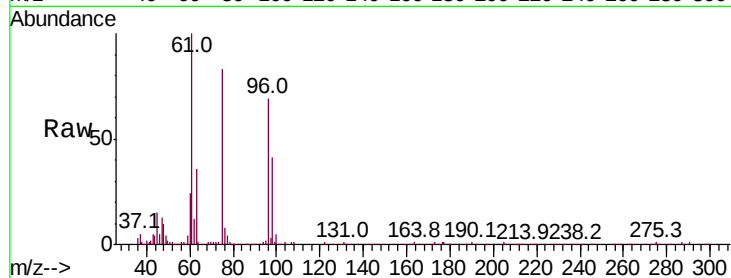




#21
2-Butanone
Concen: 1.177 ug/L
RT: 6.69 min Scan# 824
Delta R.T. -0.00 min
Lab File: VR026106.D
Acq: 16 Oct 2018 18:13

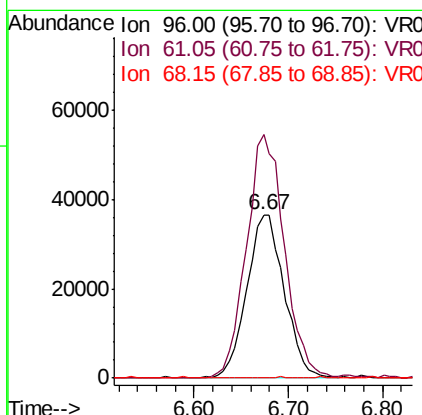
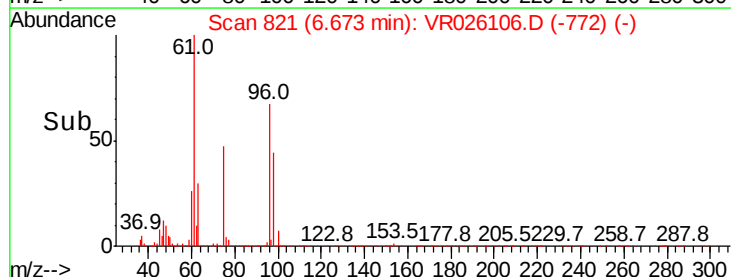
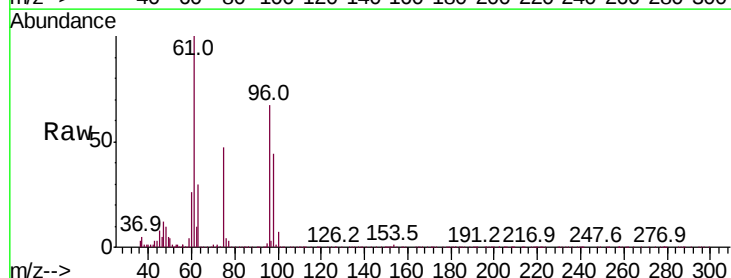
Instrument :
MSVOA_R
ClientSampled :

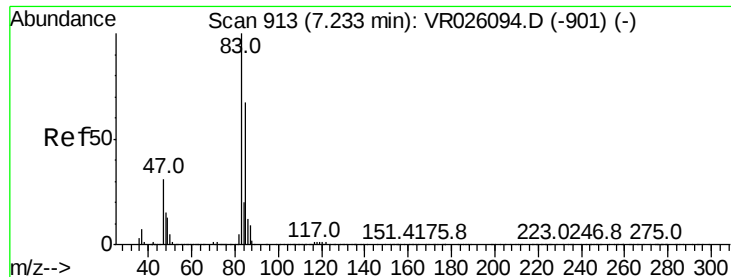
Tot Ion: 43 Resp: 5245
Ion Ratio Lower Upper
43 100
72 35.9 12.3 36.8



#22
cis-1,2-Dichloroethene
Concen: 2.804 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026106.D
Acq: 16 Oct 2018 18:13

Tgt Ion: 96 Resp: 101445
Ion Ratio Lower Upper
96 100
61 149.1 101.8 189.0
68 0.0 0.1 0.3#





#25

Chloroform

Concen: 0.160 ug/L

RT: 7.23 min Scan# 913

Delta R.T. -0.00 min

Lab File: VR026106.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_R

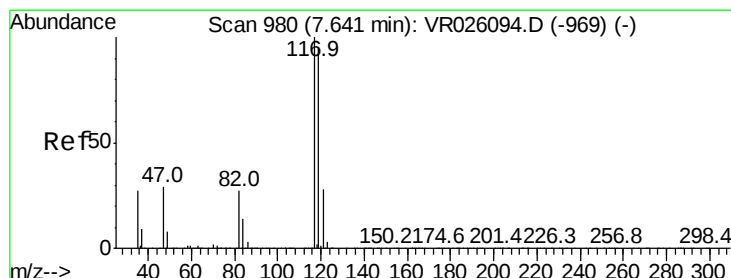
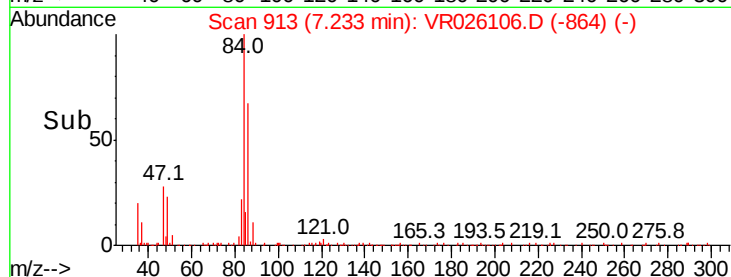
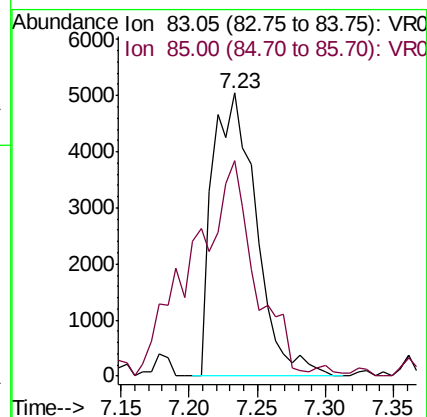
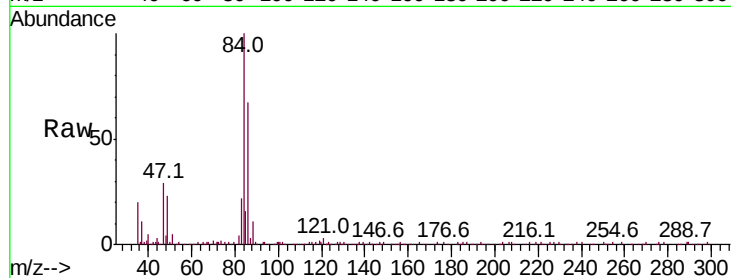
ClientSampleId :

Tot Ion: 83 Resp: 11234

Ion Ratio Lower Upper

83 100

85 76.1 43.5 80.7



#31

Carbon tetrachloride

Concen: 0.211 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.01 min

Lab File: VR026106.D

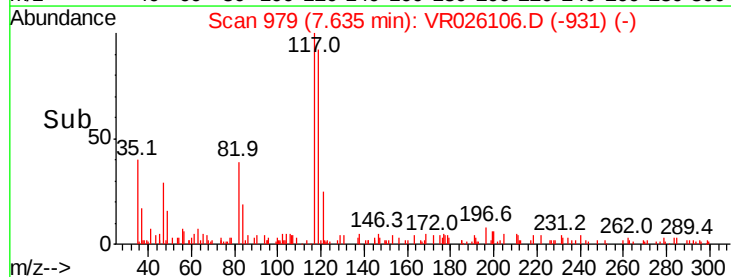
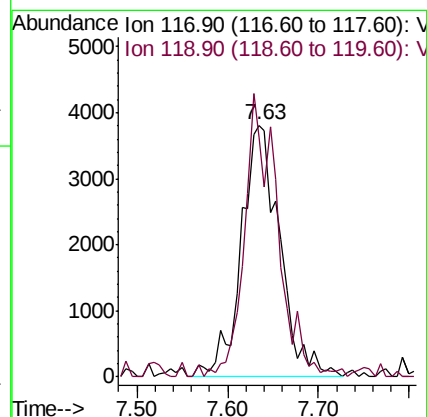
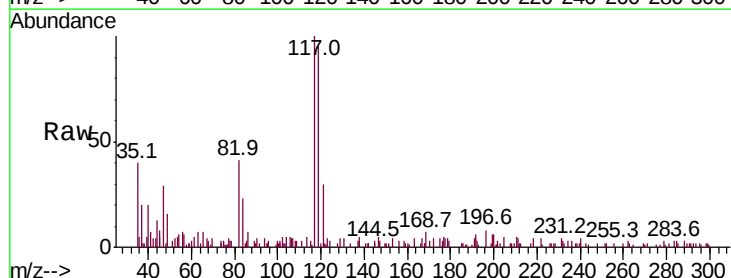
Acq: 16 Oct 2018 18:13

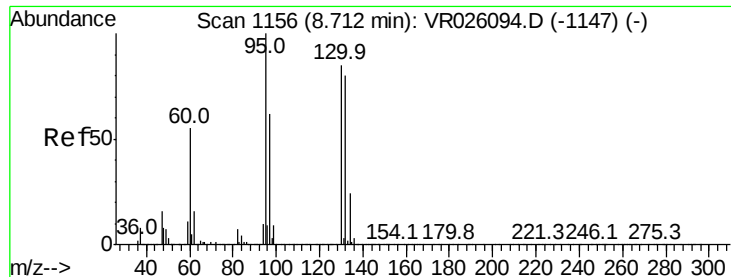
Tgt Ion: 117 Resp: 11235

Ion Ratio Lower Upper

117 100

119 95.0 74.2 111.2





#34

Trichloroethene

Concen: 8.635 ug/L

RT: 8.71 min Scan# 1156

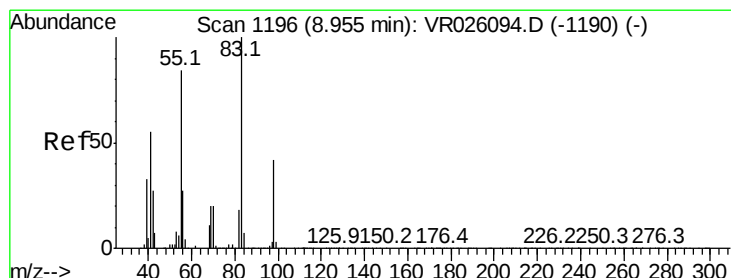
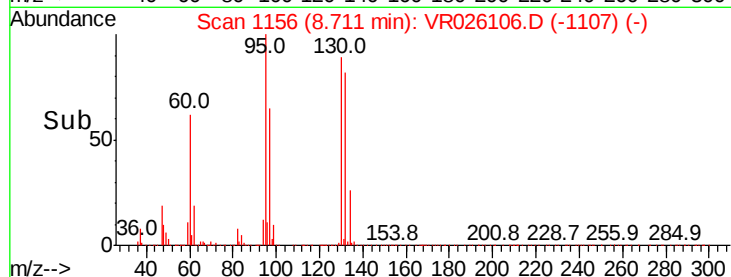
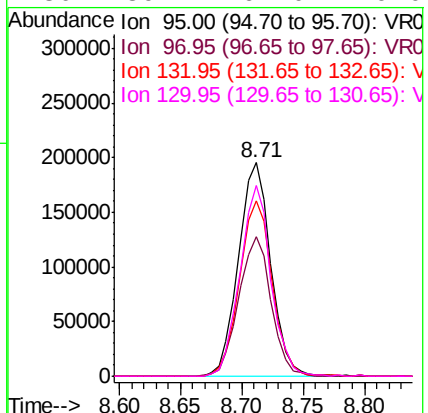
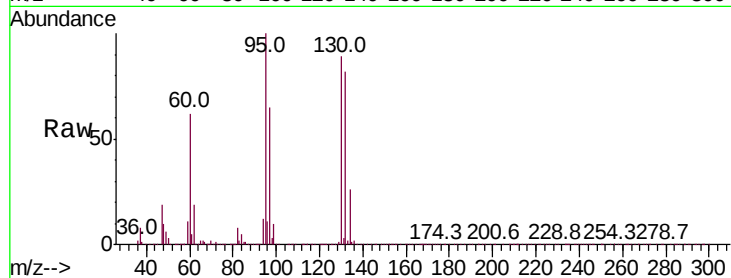
Delta R.T. -0.00 min

Lab File: VR026106.D

Acq: 16 Oct 2018 18:13

Instrument :
MSVOA_R
ClientSampled :

Tot Ion:	95	Resp:	356186
Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.7	84.9
132	82.4	58.3	108.3
130	89.2	64.0	119.0



#35

Methylcyclohexane

Concen: 0.719 ug/L

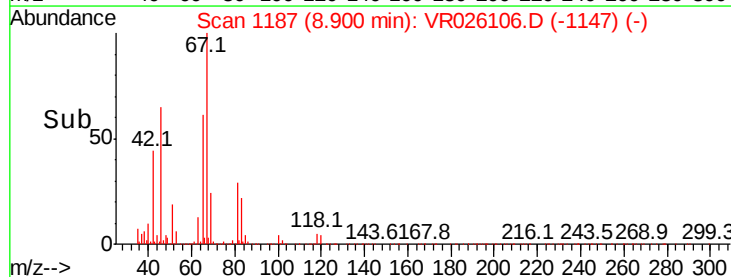
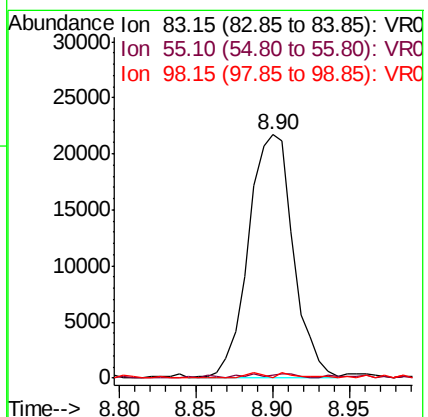
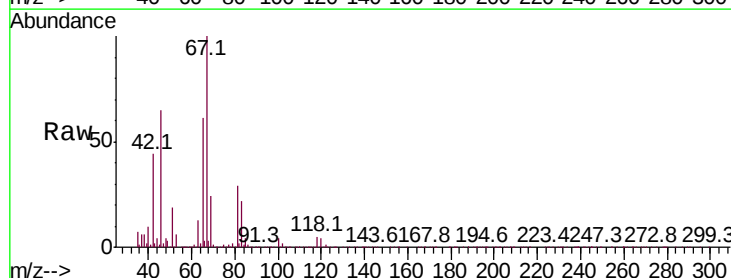
RT: 8.90 min Scan# 1187

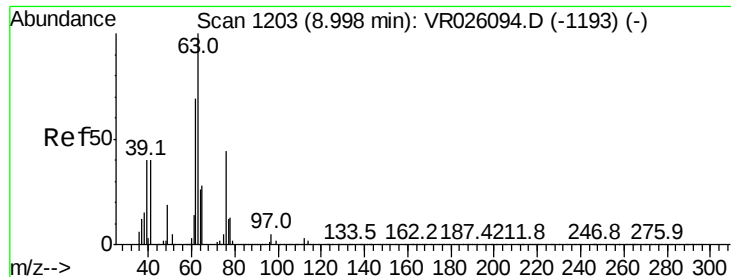
Delta R.T. -0.05 min

Lab File: VR026106.D

Acq: 16 Oct 2018 18:13

Tgt Ion:	83	Resp:	44171
Ion	Ratio	Lower	Upper
83	100		
55	1.0	66.8	100.2#
98	0.9	35.2	52.8#





#37

1,2-Dichloropropane

Concen: 0.730 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.10 min

Lab File: VR026106.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_R

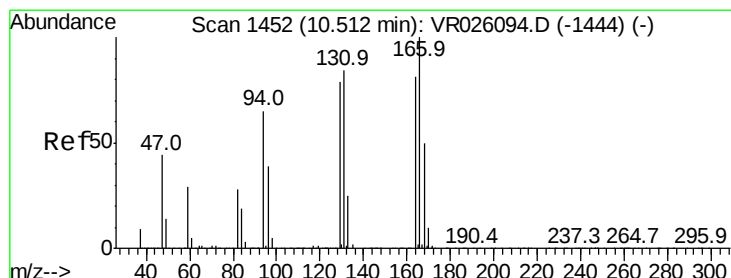
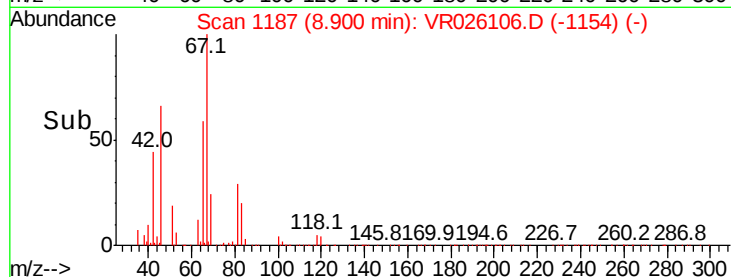
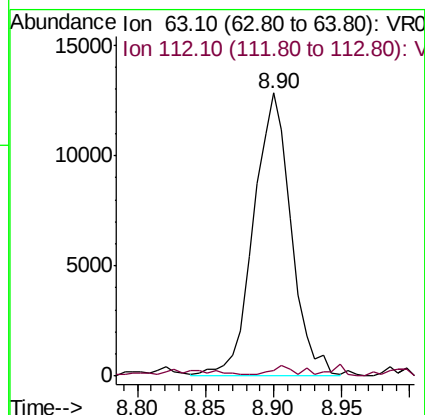
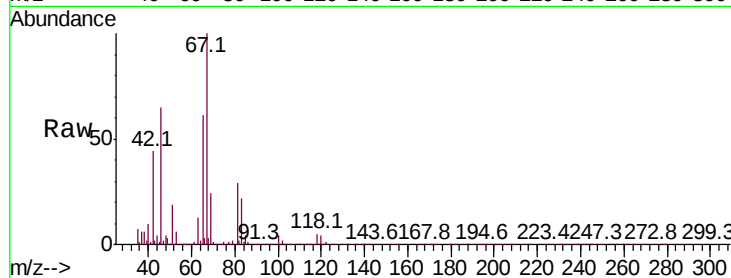
ClientSampled :

Tot Ion: 63 Resp: 24822

Ion Ratio Lower Upper

63 100

112 1.5 2.7 4.1#



#47

Tetrachloroethene

Concen: 0.463 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026106.D

Acq: 16 Oct 2018 18:13

Tgt Ion: 164 Resp: 13635

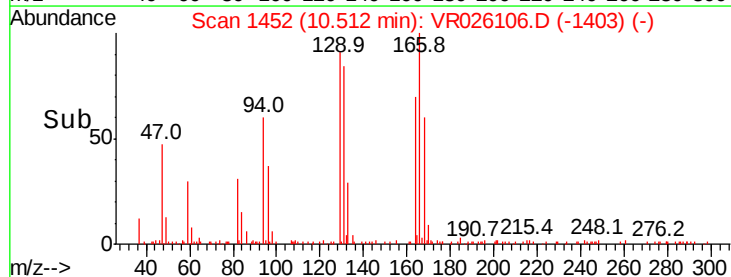
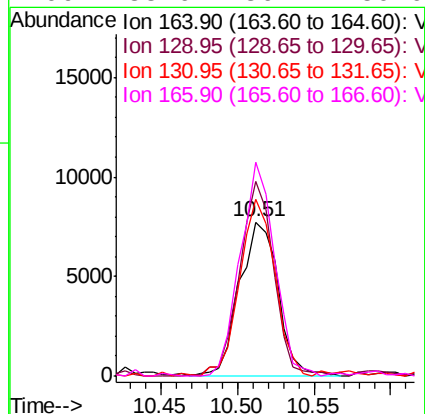
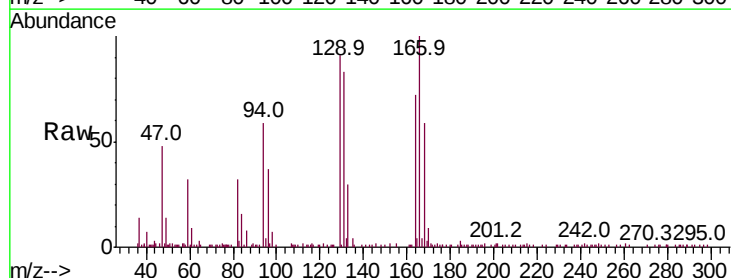
Ion Ratio Lower Upper

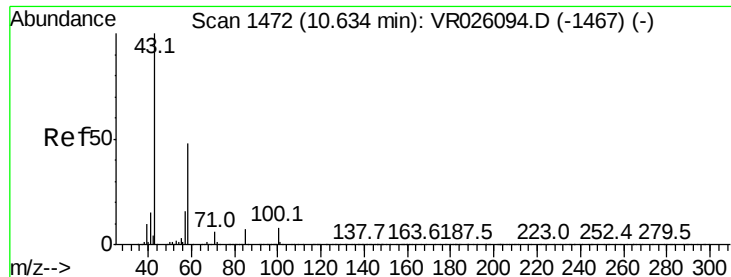
164 100

129 126.3 70.3 130.5

131 114.9 67.3 125.1

166 138.6 86.1 159.9





#48

2-Hexanone

Concen: 3.319 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

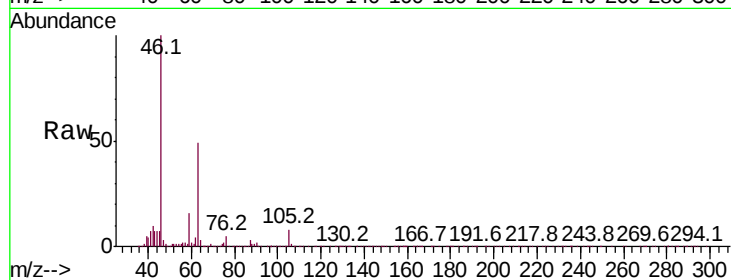
Lab File: VR026106.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_R

ClientSampleId :



Tot Ion:	43	Resp:	22512
Ion	Ratio	Lower	Upper
43	100		
58	29.1	39.6	59.4#
57	29.2	14.0	21.0#
100	4.2	7.0	10.6#

