

Data File : VW015045.D
Acq On : 26 Feb 2020 15:43
Operator : SY/VA
Sample : L1686-01
Misc : 5.90G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAW00

Quant Time: Feb 27 02:04:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 27 02:01:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	689696	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	634603	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	233067	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	378236	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.68%
7) Chloroethane-d5	2.89	69	269351	21.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.64%
10) 1,1-Dichloroethene-d2	4.20	63	139	0.01	ug/L	0.18
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.04%#
20) 2-Butanone-d5	7.07	46	129236	44.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.64%
24) Chloroform-d	7.65	84	518234	22.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.48%
26) 1,2-Dichloroethane-d4	8.31	65	293126	23.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.48%
29) Benzene-d6	8.27	84	1048027	24.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.12%
33) 1,2-Dichloropropane-d6	9.27	67	348527	23.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.48%
37) Toluene-d8	10.32	98	872527	23.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.96%
38) trans-1,3-Dichloropropene-	10.57	79	124966	23.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.64%
39) 2-Hexanone-d5	10.92	63	105636	54.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	214597	22.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	223890	26.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.88%

Target Compounds

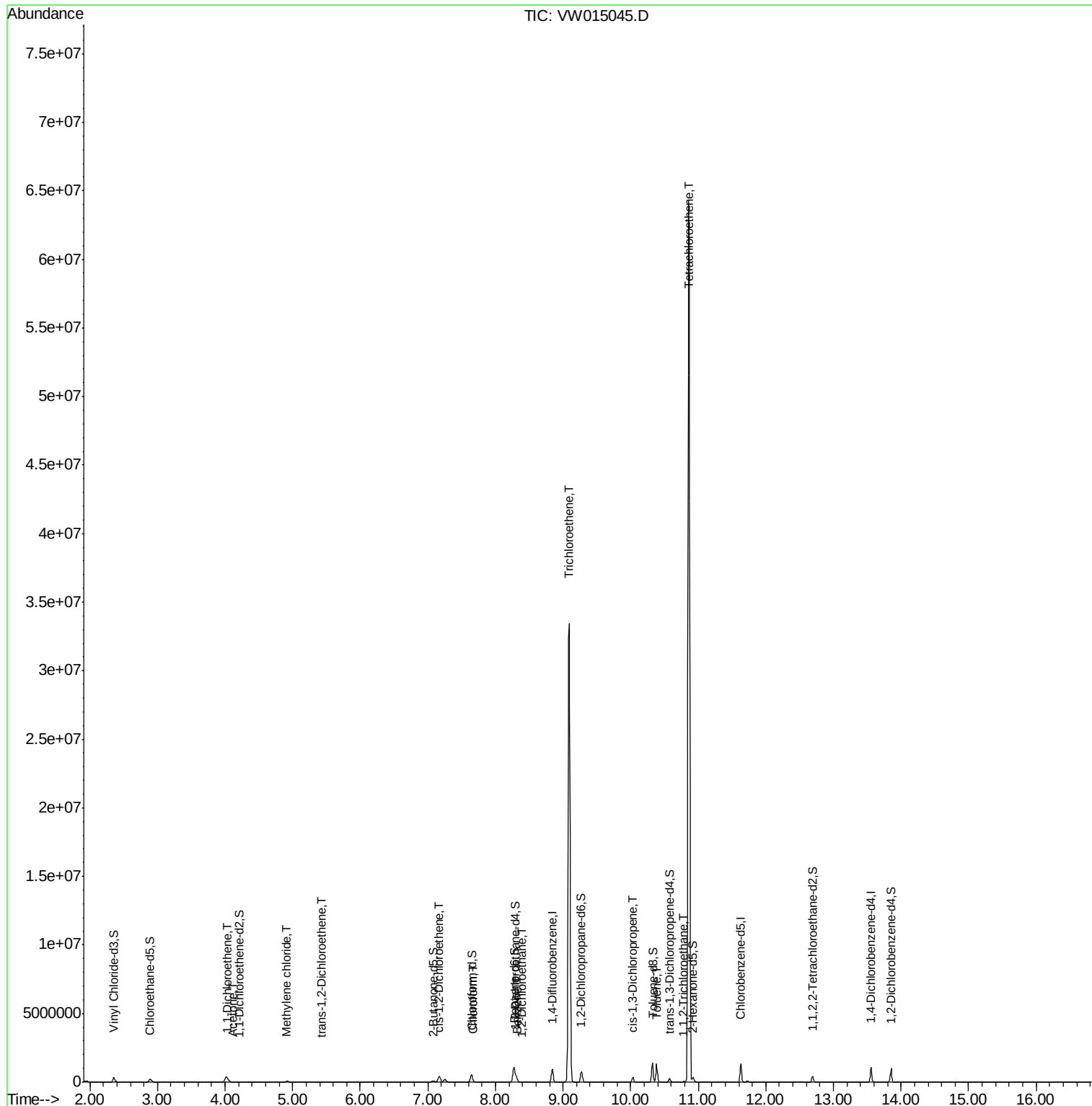
					Qvalue	
12) 1,1-Dichloroethene	4.04	96	7816	0.758	ug/L #	1
13) Acetone	4.12	43	39675	11.633	ug/L	97
16) Methylene chloride	4.92	84	34147	2.675	ug/L	93
18) trans-1,2-Dichloroethene	5.43	96	7763	0.728	ug/L	92
22) cis-1,2-Dichloroethene	7.17	96	205286	18.929	ug/L	97
25) Chloroform	7.67	83	8777	0.407	ug/L #	9
27) 1,2-Dichloroethane	8.40	62	3446	0.233	ug/L #	92
34) Benzene	8.32	78	36056	0.764	ug/L	100
35) Trichloroethene	9.09	95	1161647	1017.295	ug/L	98
42) cis-1,3-Dichloropropene	10.04	75	8534	0.500	ug/L #	56
44) Toluene	10.38	91	917002	20.002	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	11886	1.611	ug/L	96
47) Tetrachloroethene	10.86	164	12267385	1666.846	ug/L	94

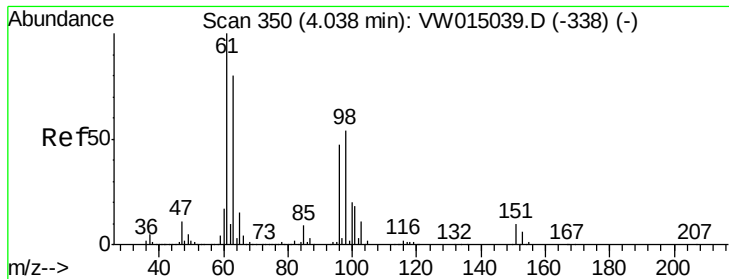
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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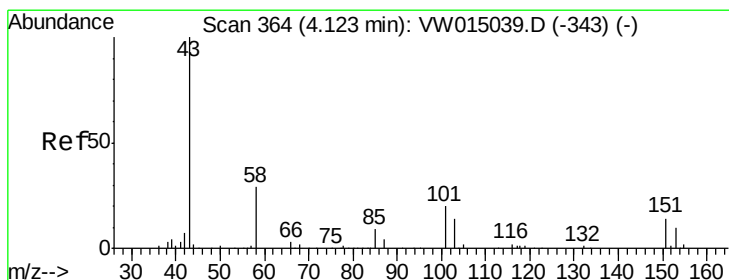
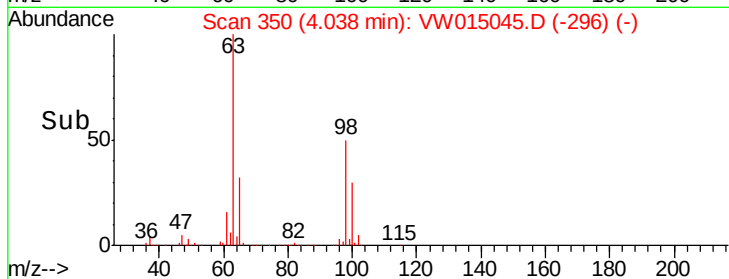
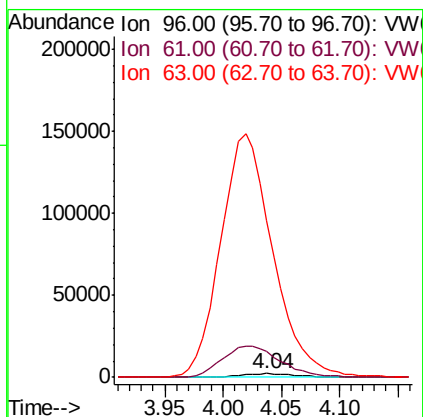
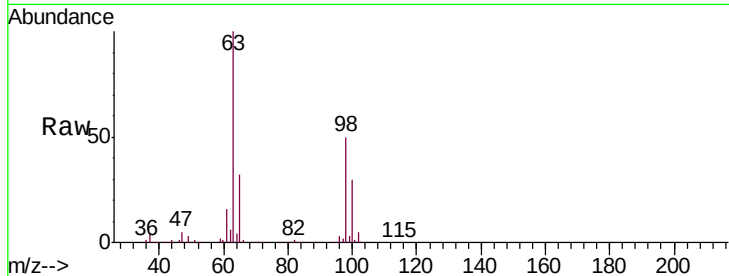




#12
 1,1-Dichloroethene
 Concen: 0.758 ug/L
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015045.D
 Acq: 26 Feb 2020 15:43

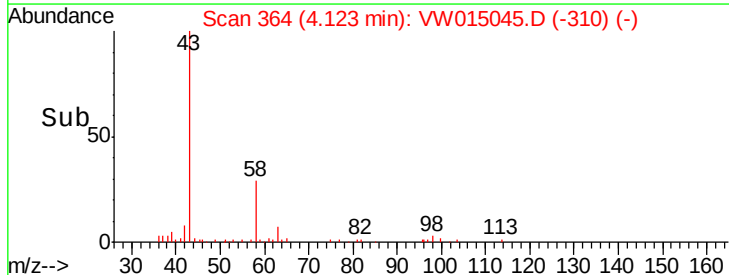
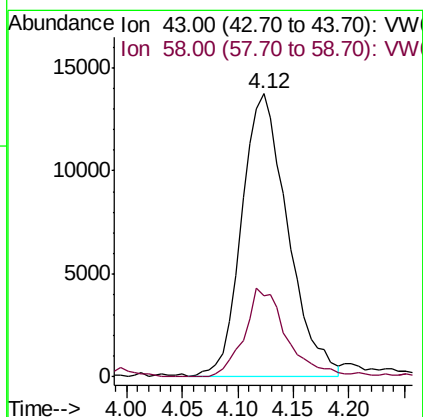
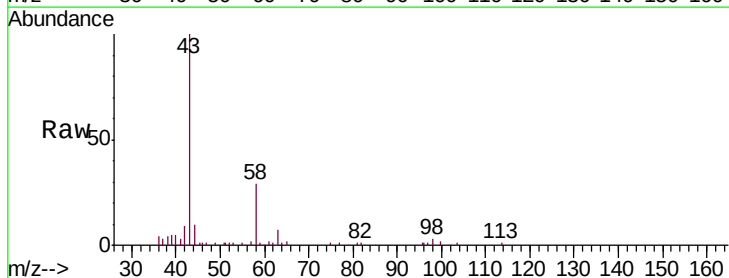
Instrument :
 MSVOA_W
 ClientSampled :
 GAW00

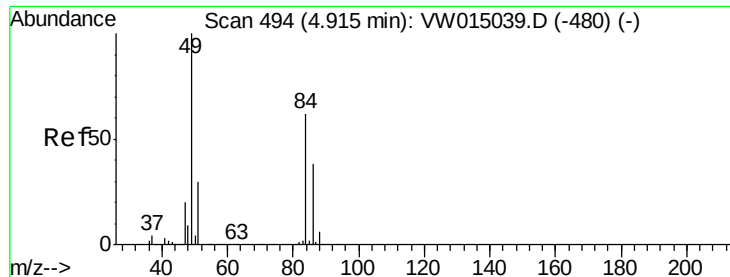
Tgt Ion: 96 Resp: 7816
 Ion Ratio Lower Upper
 96 100
 61 653.7 138.5 257.1#
 63 3994.3 93.4 173.6#



#13
 Acetone
 Concen: 11.633 ug/L
 RT: 4.12 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VW015045.D
 Acq: 26 Feb 2020 15:43

Tgt Ion: 43 Resp: 39675
 Ion Ratio Lower Upper
 43 100
 58 28.6 0.0 54.0

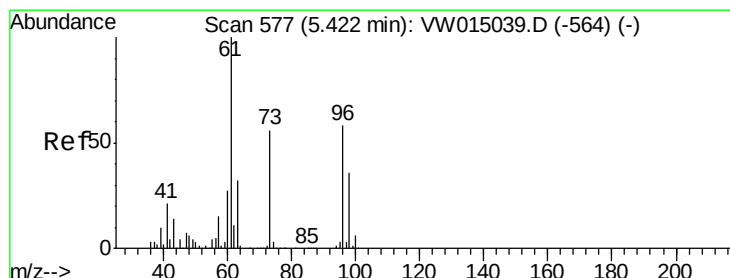
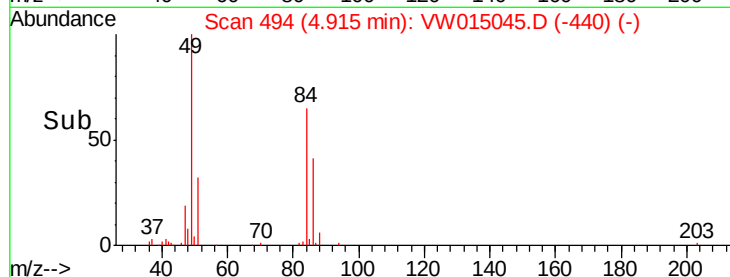
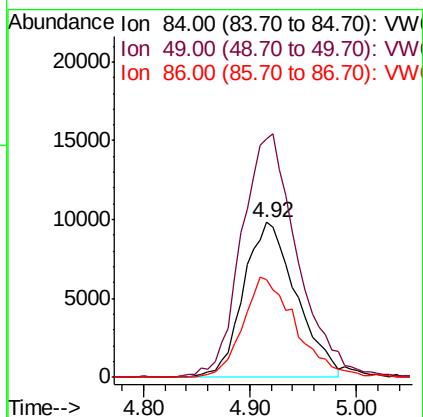
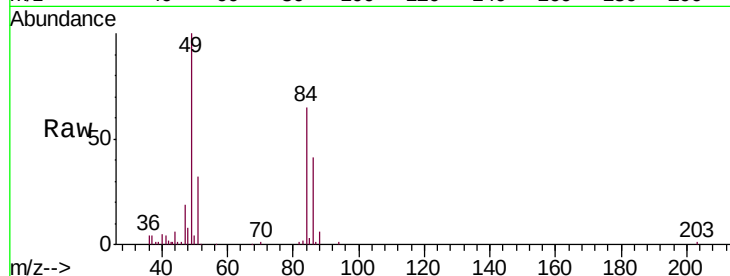




#16
Methylene chloride
Concen: 2.675 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015045.D
Acq: 26 Feb 2020 15:43

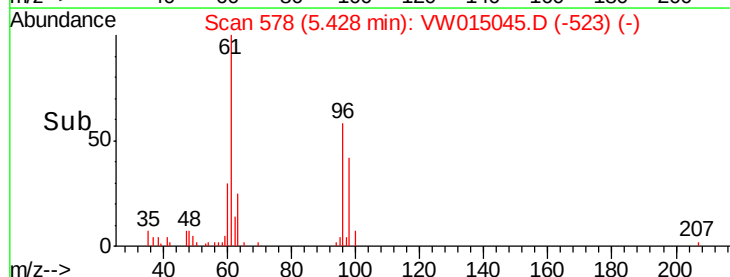
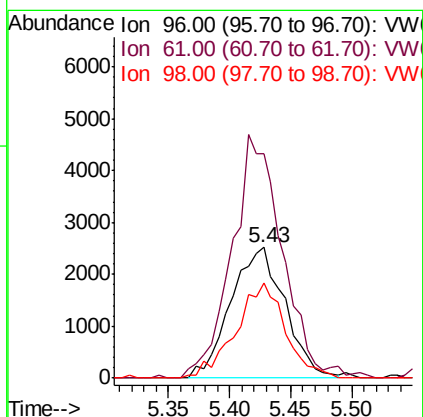
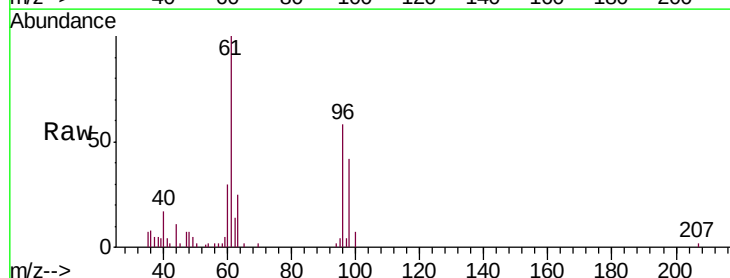
Instrument :
MSVOA_W
ClientSampled :
GAW00

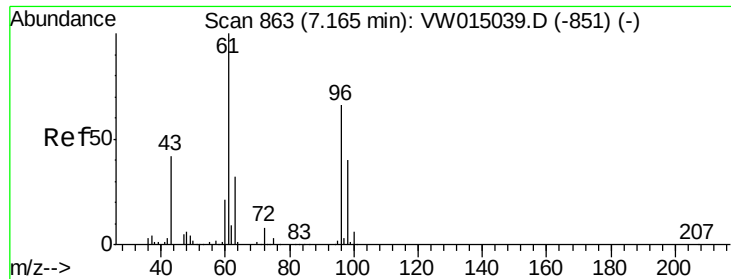
Tgt Ion: 84 Resp: 34147
Ion Ratio Lower Upper
84 100
49 153.5 115.6 214.8
86 63.4 45.9 85.3



#18
trans-1,2-Dichloroethene
Concen: 0.728 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015045.D
Acq: 26 Feb 2020 15:43

Tgt Ion: 96 Resp: 7763
Ion Ratio Lower Upper
96 100
61 172.2 115.1 213.8
98 72.8 44.0 81.6



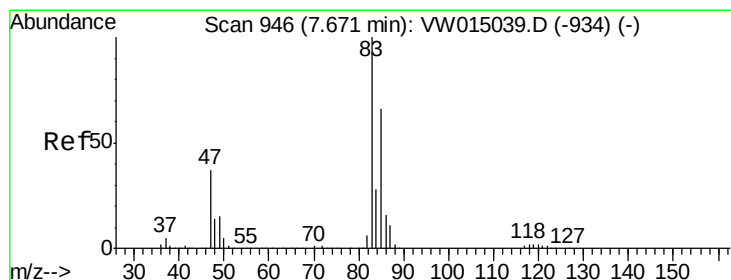
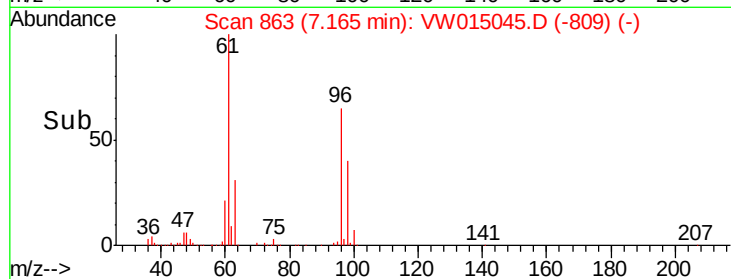
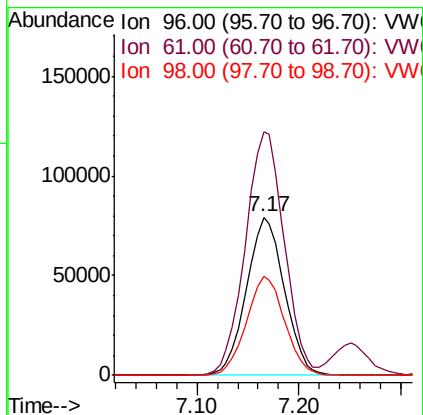
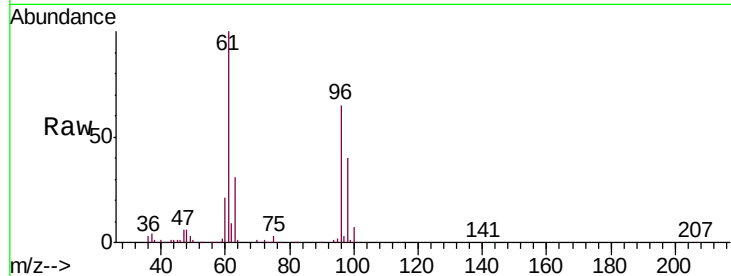


#22

cis-1,2-Dichloroethene
Concen: 18.929 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015045.D
Acq: 26 Feb 2020 15:43

Instrument :
MSVOA_W
ClientSampleId :
GAW00

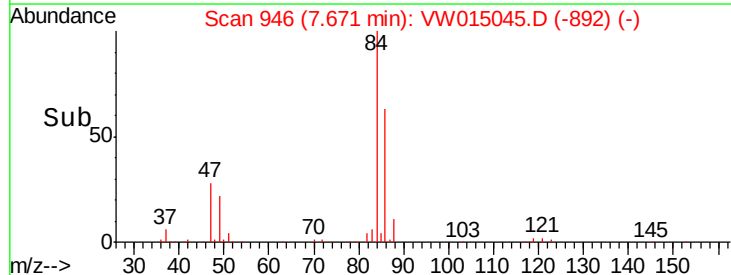
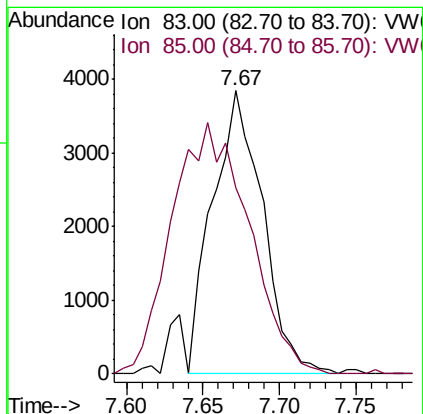
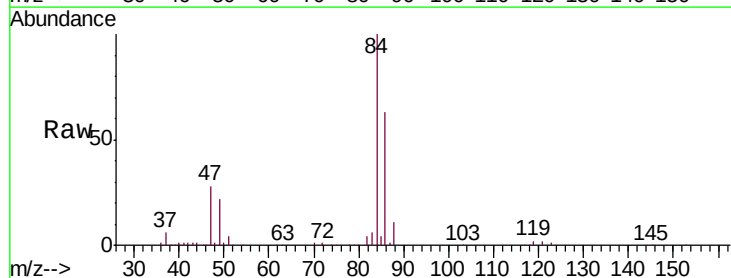
Tgt Ion: 96 Resp: 205286
Ion Ratio Lower Upper
96 100
61 154.2 105.2 195.4
98 62.4 42.6 79.2

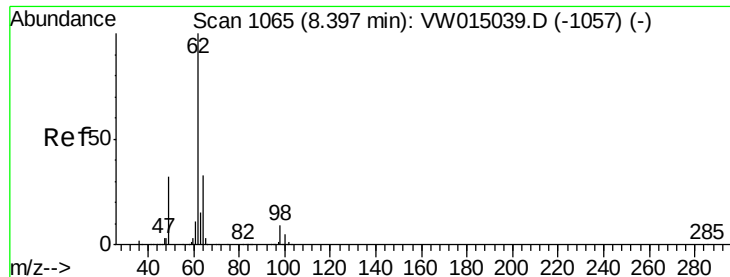


#25

Chloroform
Concen: 0.407 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW015045.D
Acq: 26 Feb 2020 15:43

Tgt Ion: 83 Resp: 8777
Ion Ratio Lower Upper
83 100
85 135.8 44.9 83.5#

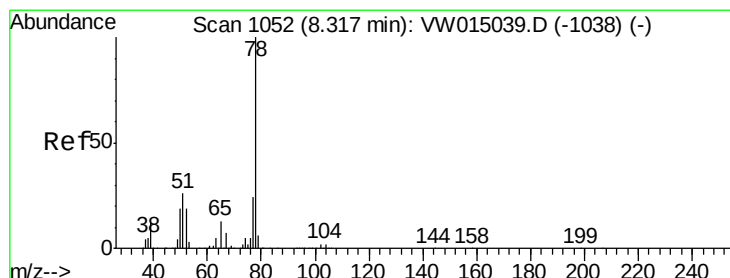
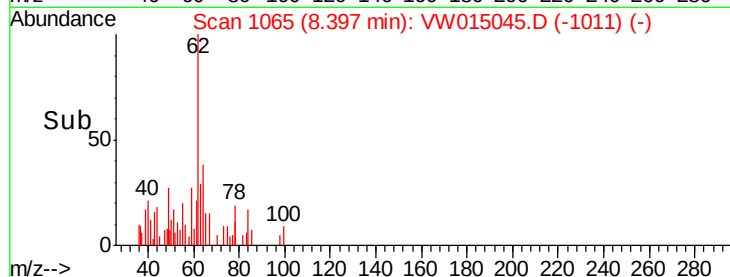
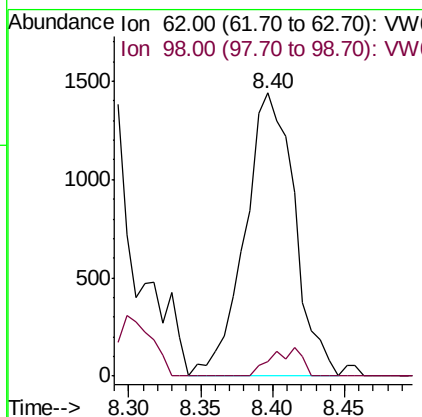
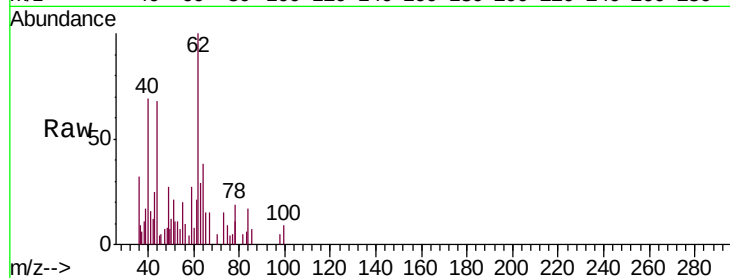




#27
 1,2-Dichloroethane
 Concen: 0.233 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW015045.D
 Acq: 26 Feb 2020 15:43

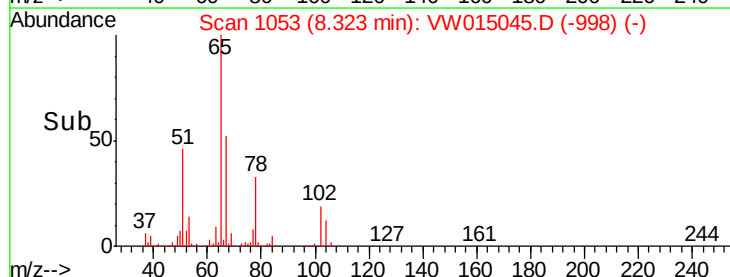
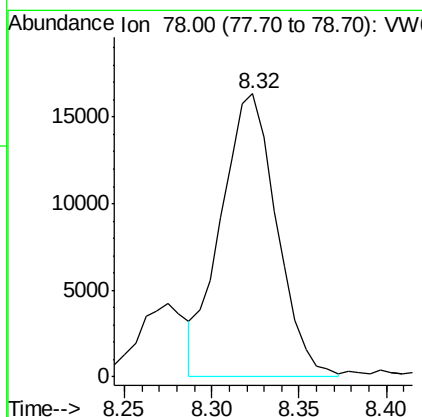
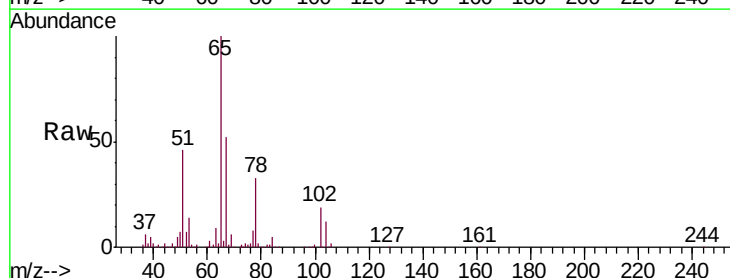
Instrument :
 MSVOA_W
 ClientSampled :
 GAW00

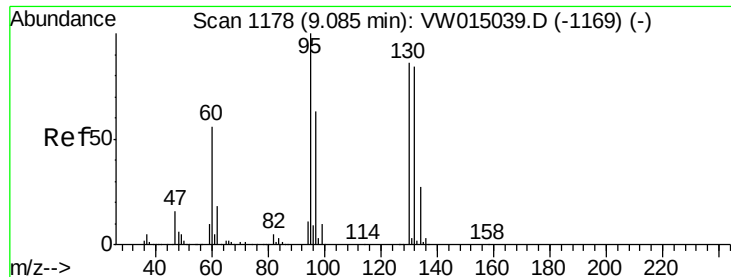
Tgt Ion: 62 Resp: 3446
 Ion Ratio Lower Upper
 62 100
 98 5.3 6.5 9.7#



#34
 Benzene
 Concen: 0.764 ug/L
 RT: 8.32 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VW015045.D
 Acq: 26 Feb 2020 15:43

Tgt Ion: 78 Resp: 36056





#35

Trichloroethene

Concen: 1017.295 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW015045.D

Acq: 26 Feb 2020 15:43

Instrument :

MSVOA_W

ClientSampleId :

GAW00

Tgt Ion: 95 Resp:11616647

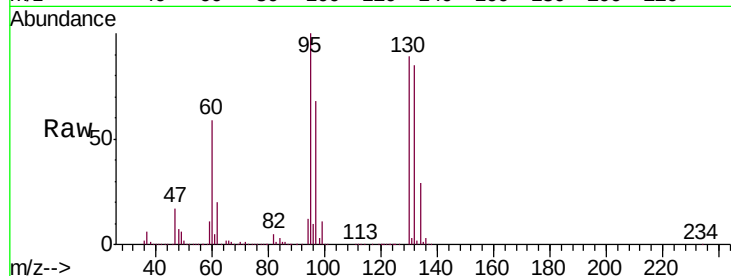
Ion Ratio Lower Upper

95 100

97 65.9 44.7 83.1

132 83.9 58.1 107.9

130 87.0 62.0 115.2

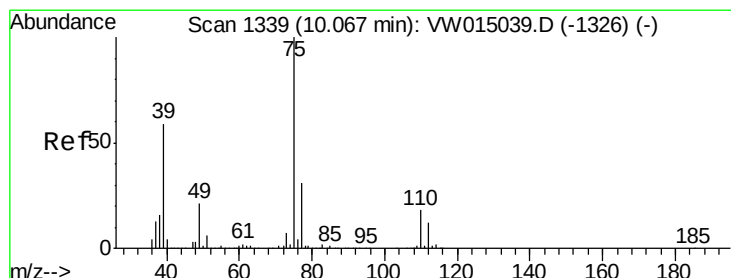
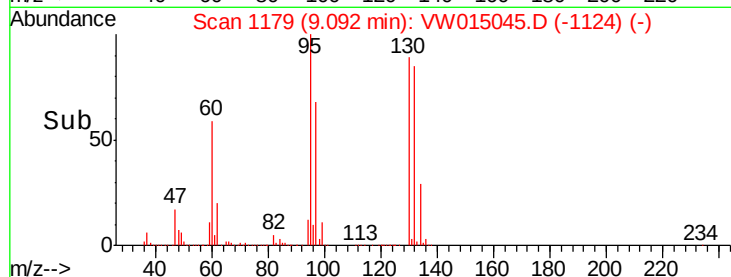
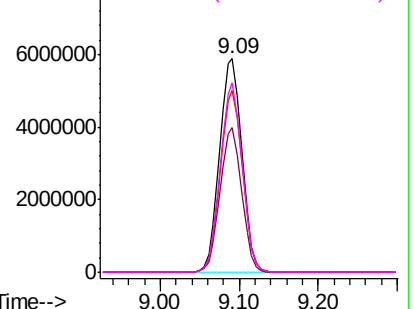


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.500 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.03 min

Lab File: VW015045.D

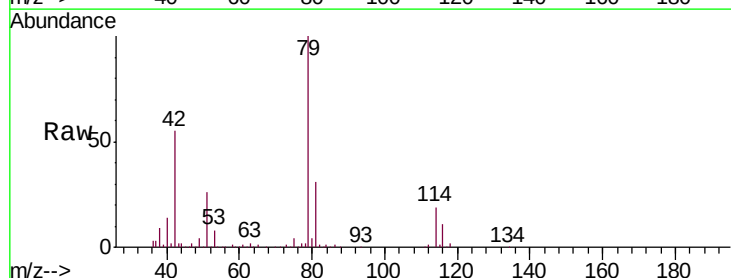
Acq: 26 Feb 2020 15:43

Tgt Ion: 75 Resp: 8534

Ion Ratio Lower Upper

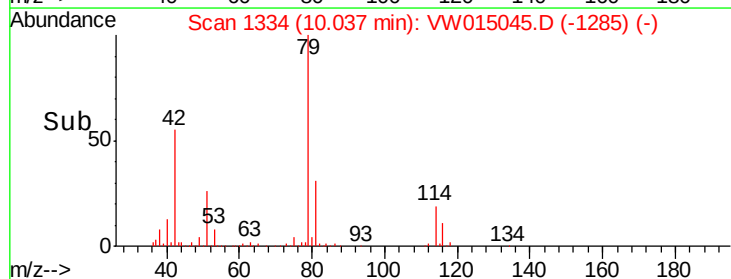
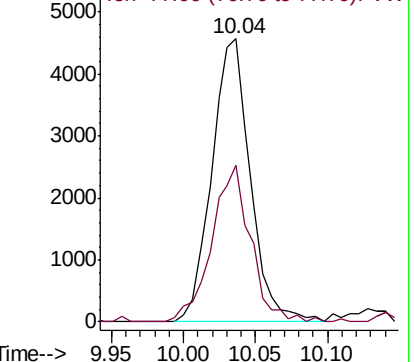
75 100

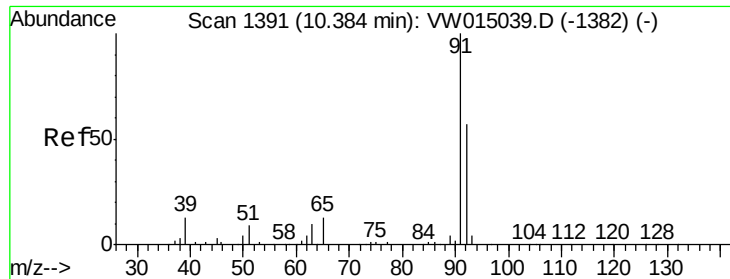
77 55.4 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 20.002 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015045.D

Acq: 26 Feb 2020 15:43

Instrument :

MSVOA_W

ClientSampled :

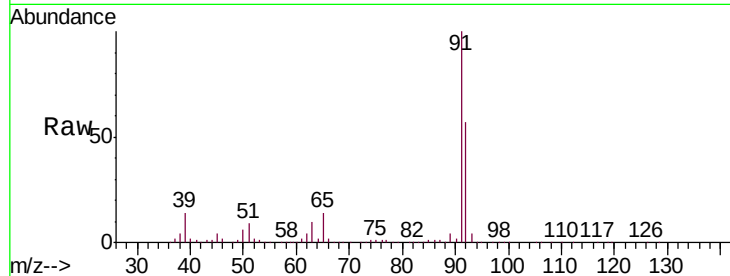
GAW00

Tgt Ion: 91 Resp: 917002

Ion Ratio Lower Upper

91 100

92 56.8 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

500000

400000

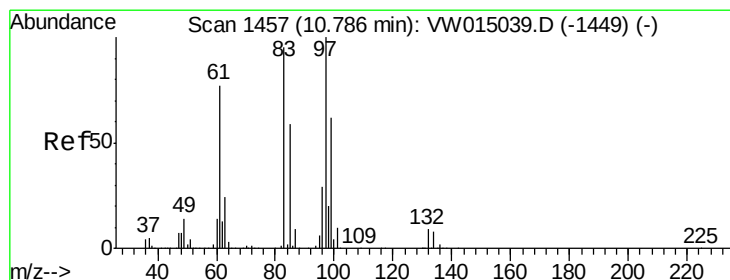
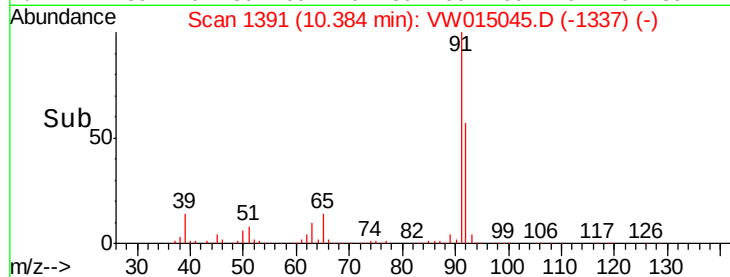
300000

200000

100000

0

Time--> 10.30 10.40



#46

1,1,2-Trichloroethane

Concen: 1.611 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015045.D

Acq: 26 Feb 2020 15:43

Tgt Ion: 97 Resp: 11886

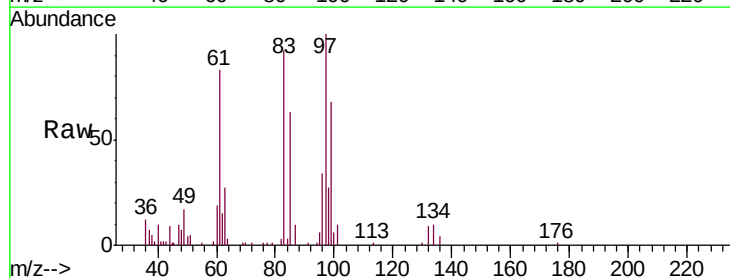
Ion Ratio Lower Upper

97 100

83 91.9 64.4 119.6

85 63.2 40.9 75.9

99 68.1 44.1 81.9



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

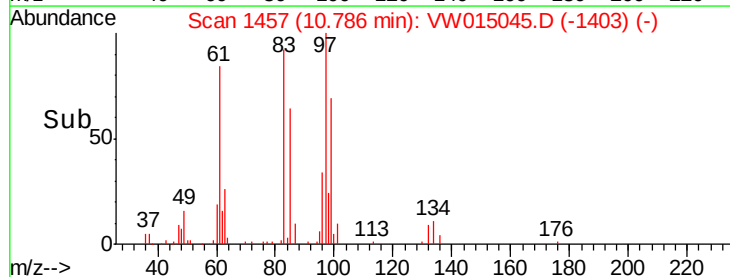
300000

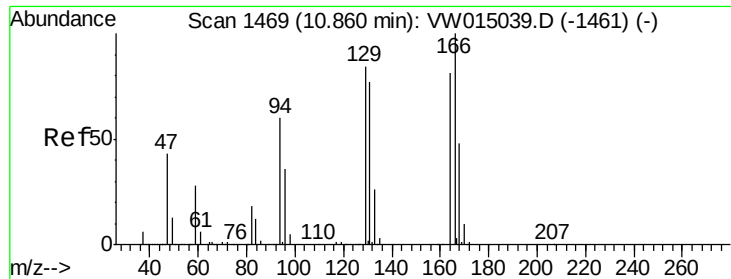
200000

100000

0

Time--> 10.75 10.80





#47

Tetrachloroethene

Concen: 1666.846 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015045.D

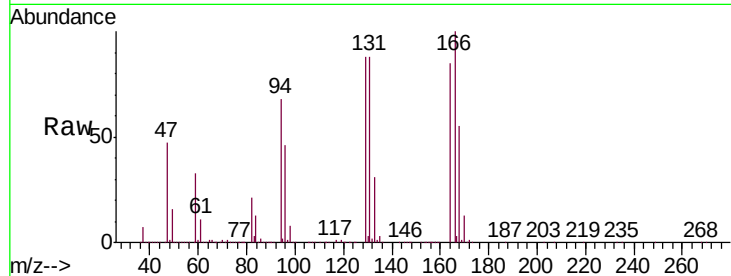
Acq: 26 Feb 2020 15:43

Instrument :

MSVOA_W

ClientSampleId :

GAW00



Tgt Ion:164 Resp:12267385

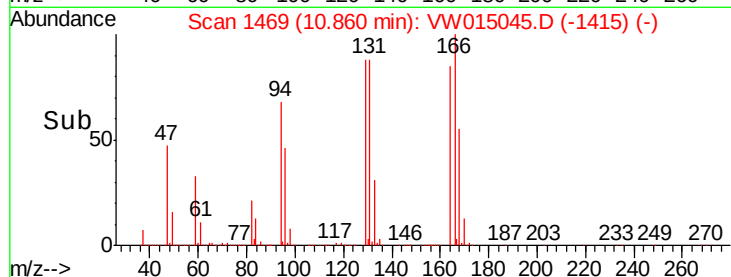
Ion Ratio Lower Upper

164 100

129 103.6 71.7 133.1

131 102.9 70.1 130.3

166 117.4 91.3 169.6



Time-->