

Data File : VV007588.D
Acq On : 17 Sep 2018 14:55
Operator : SY/MD
Sample : J4918-13RE
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0KY3

Quant Time: Sep 18 03:41:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 18 03:38:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	116205	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	107169	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55913	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22813	3.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.20%
7) Chloroethane-d5	1.59	69	21471	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.13	63	41548	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	3.97	46	40309	47.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.22%
24) Chloroform-d	4.41	84	54272	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.09	65	28420	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.10	84	105906	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.13	67	31806	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	7.36	98	109901	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	7.67	79	13373	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.15	63	23699	44.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.54%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	20608	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	47691	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

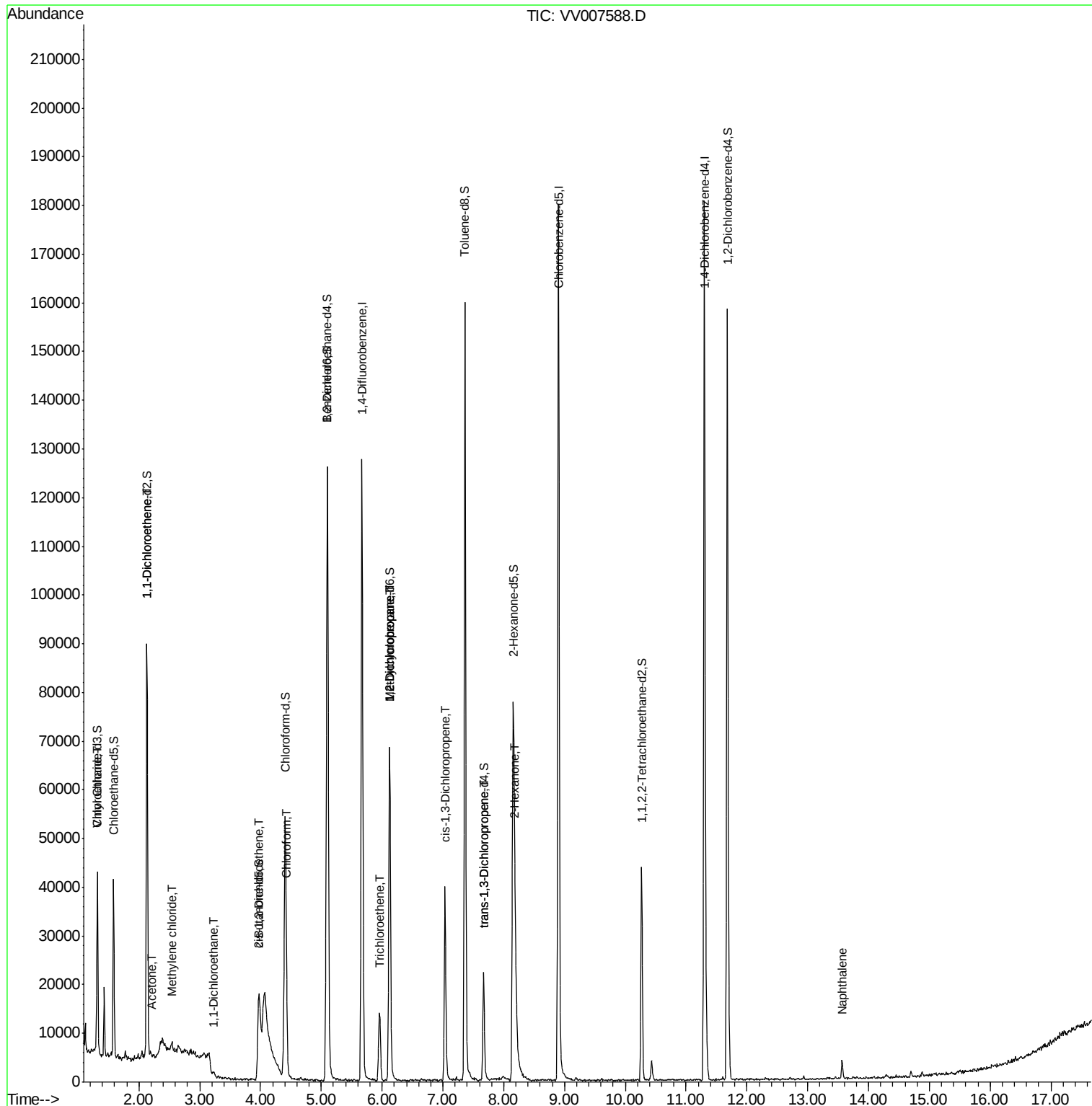
					Qvalue
8) Chloroethane	1.32	64	300	0.081 ug/L #	1
12) 1,1-Dichloroethene	2.14	96	1502	0.255 ug/L #	1
13) Acetone	2.21	43	1008	1.823 ug/L	83
16) Methylene chloride	2.54	84	821	0.129 ug/L	95
19) 1,1-Dichloroethane	3.24	63	1206	0.129 ug/L #	94
22) cis-1,2-Dichloroethene	3.97	96	507	0.080 ug/L	79
25) Chloroform	4.43	83	2643	0.247 ug/L	98
34) Trichloroethene	5.96	95	3079	0.454 ug/L	92
35) Methylcyclohexane	6.13	83	7963	0.760 ug/L #	34
37) 1,2-Dichloropropane	6.12	63	4019	0.737 ug/L #	85
39) cis-1,3-Dichloropropene	7.04	75	1215	0.140 ug/L	89
44) trans-1,3-Dichloropropene	7.67	75	591	0.083 ug/L #	73
48) 2-Hexanone	8.19	43	13138	5.748 ug/L #	55
69) Naphthalene	13.56	128	3737	0.389 ug/L	98

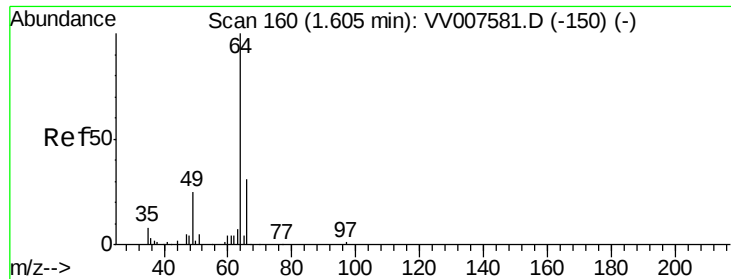
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.081 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV007588.D

Acq: 17 Sep 2018 14:55

Instrument :

MSVOA_V

ClientSampled :

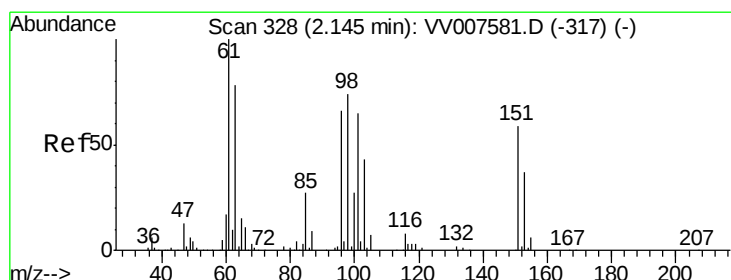
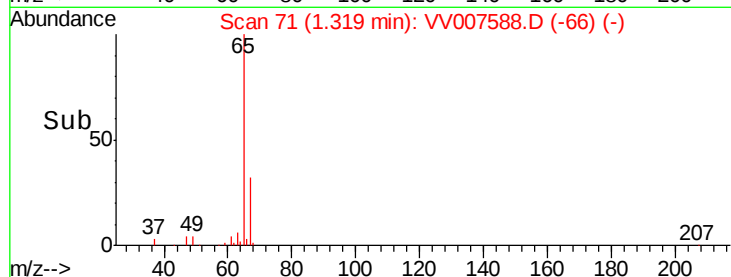
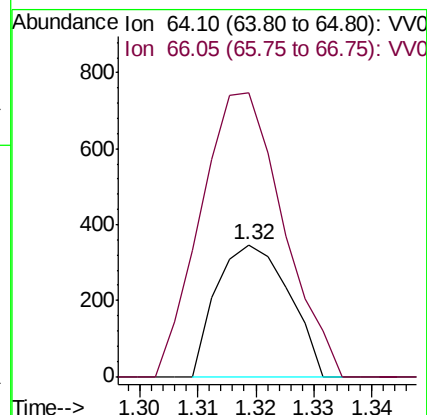
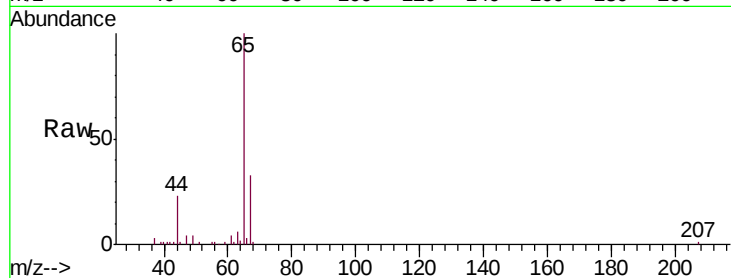
C0KY3

Tgt Ion: 64 Resp: 300

Ion Ratio Lower Upper

64 100

66 215.9 24.3 45.1#



#12

1,1-Dichloroethene

Concen: 0.255 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007588.D

Acq: 17 Sep 2018 14:55

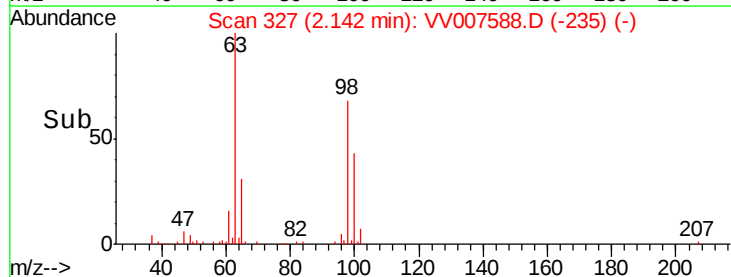
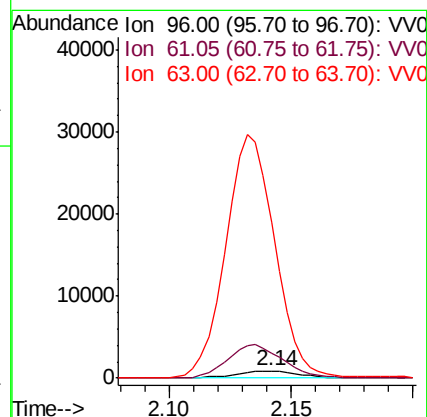
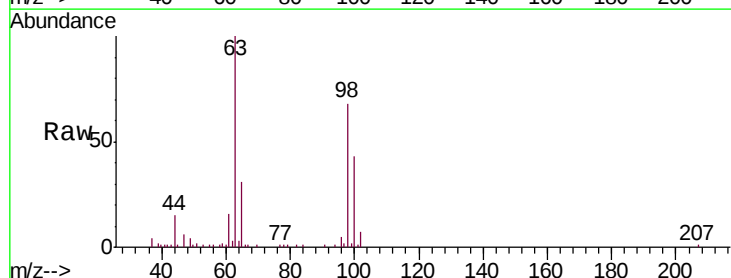
Tgt Ion: 96 Resp: 1502

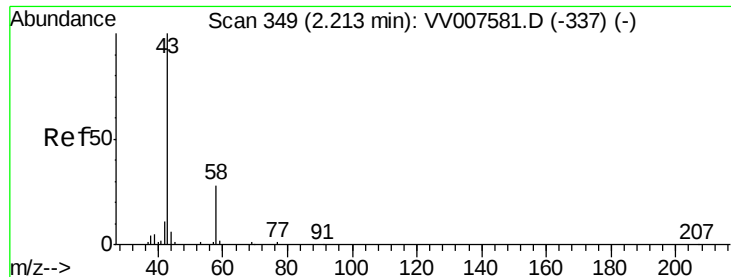
Ion Ratio Lower Upper

96 100

61 354.0 114.8 213.2#

63 2180.6 81.8 151.8#





#13

Acetone

Concen: 1.823 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV007588.D

Acq: 17 Sep 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

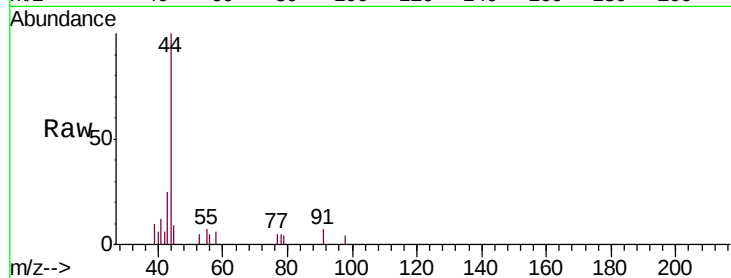
C0KY3

Tgt Ion: 43 Resp: 1008

Ion Ratio Lower Upper

43 100

58 22.1 0.0 63.4



Abundance Ion 43.05 (42.75 to 43.75): VV007581.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV007581.D (-337) (-)

2.21

600

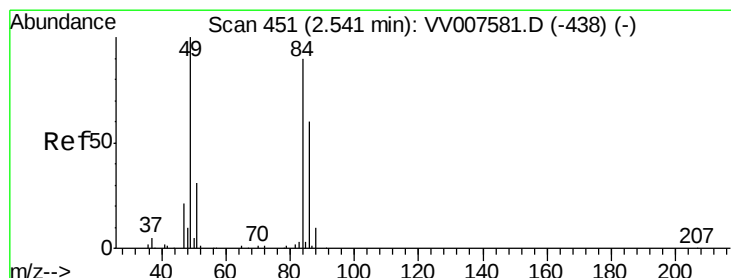
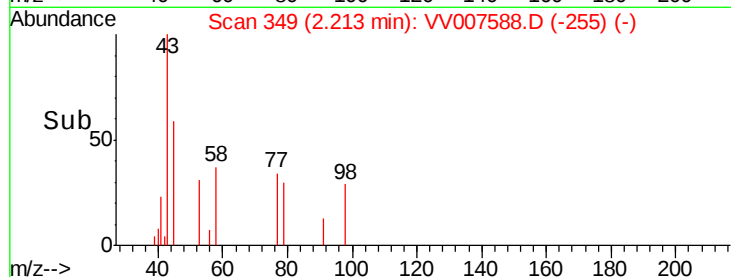
400

200

0

2.15 2.20 2.25

Time-->



#16

Methylene chloride

Concen: 0.129 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV007588.D

Acq: 17 Sep 2018 14:55

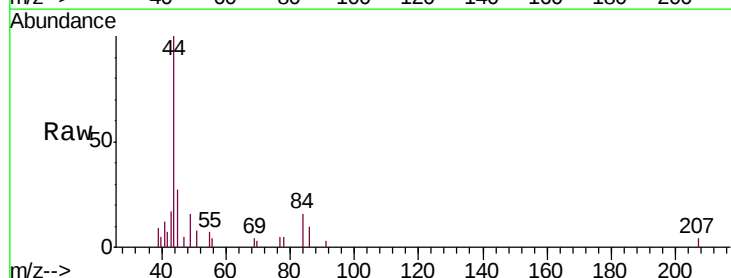
Tgt Ion: 84 Resp: 821

Ion Ratio Lower Upper

84 100

86 62.8 43.7 81.1

49 102.3 76.8 142.6



Abundance Ion 84.05 (83.75 to 84.75): VV007581.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV007581.D (-438) (-)

Ion 49.10 (48.80 to 49.80): VV007581.D (-438) (-)

2.54

600

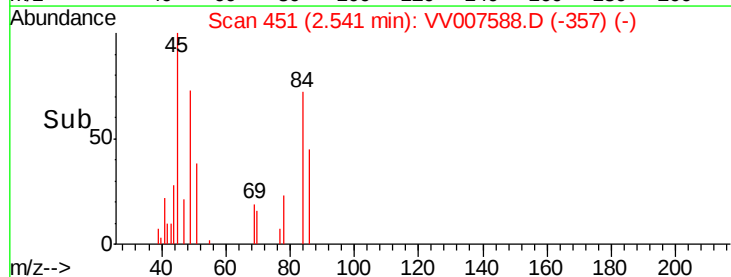
400

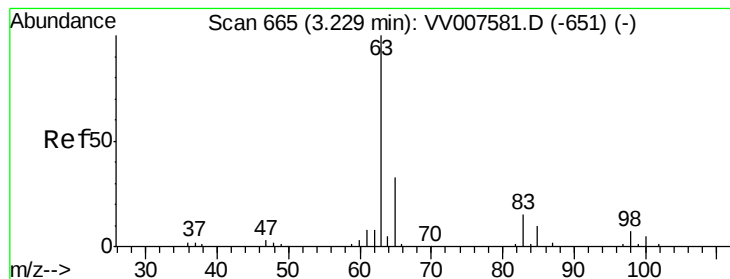
200

0

2.50 2.55

Time-->





#19

1,1-Dichloroethane

Concen: 0.129 ug/L

RT: 3.24 min Scan# 667

Delta R.T. 0.00 min

Lab File: VV007588.D

Acq: 17 Sep 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

C0KY3

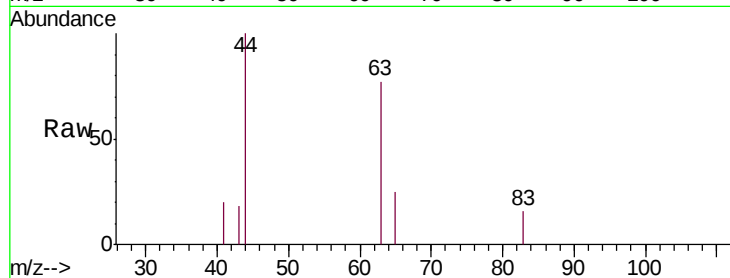
Tgt Ion: 63 Resp: 1206

Ion Ratio Lower Upper

63 100

65 33.3 22.5 41.9

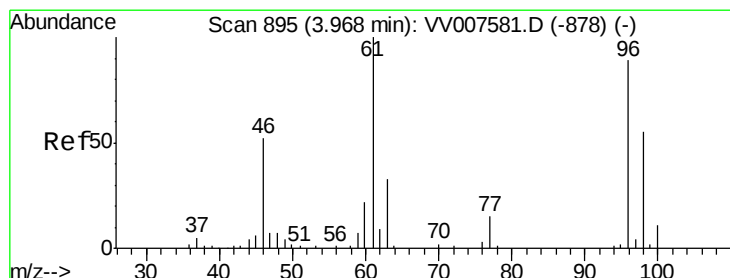
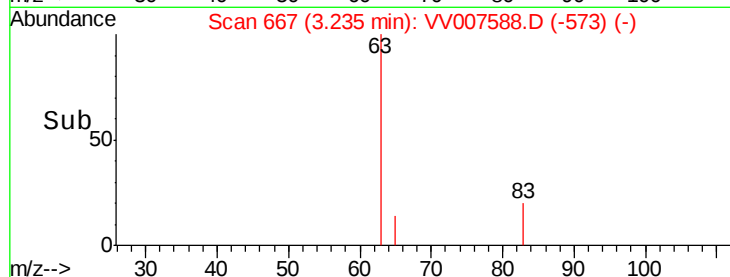
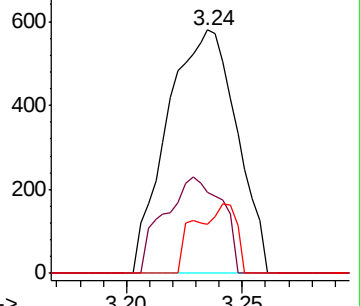
83 20.3 10.4 19.2#



Abundance Ion 63.10 (62.80 to 63.80): VV007588.D (-651) (-)

Ion 65.10 (64.80 to 65.80): VV007588.D (-651) (-)

Ion 83.05 (82.75 to 83.75): VV007588.D (-651) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.080 ug/L

RT: 3.97 min Scan# 896

Delta R.T. 0.01 min

Lab File: VV007588.D

Acq: 17 Sep 2018 14:55

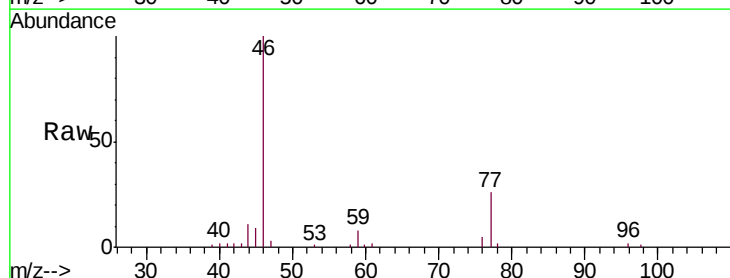
Tgt Ion: 96 Resp: 507

Ion Ratio Lower Upper

96 100

61 98.8 85.3 158.5

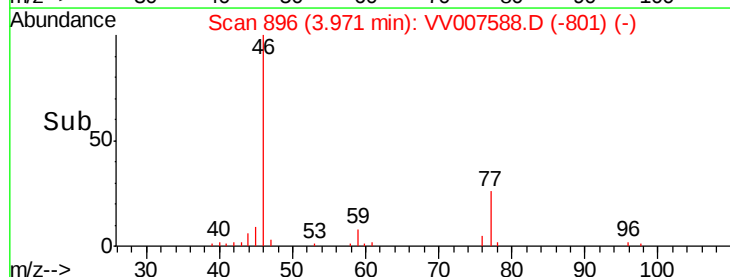
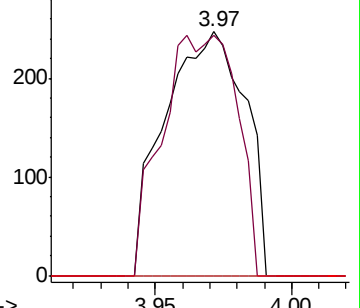
68 0.0 0.0 0.0

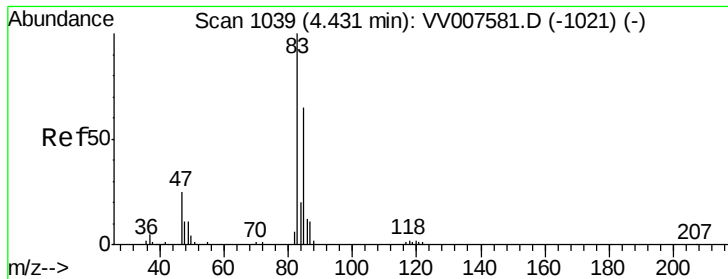


Abundance Ion 96.00 (95.70 to 96.70): VV007588.D (-878) (-)

Ion 61.05 (60.75 to 61.75): VV007588.D (-878) (-)

Ion 68.15 (67.85 to 68.85): VV007588.D (-878) (-)





#25

Chloroform

Concen: 0.247 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VV007588.D

Acq: 17 Sep 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

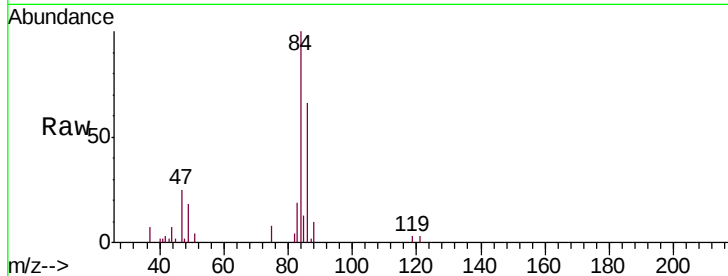
C0KY3

Tgt Ion: 83 Resp: 2643

Ion Ratio Lower Upper

83 100

85 66.7 45.5 84.5



Abundance Ion 83.05 (82.75 to 83.75): VV007581.D (-1021) (-)

Ion 85.00 (84.70 to 85.70): VV007581.D (-1021) (-)

4.43

1200

1000

800

600

400

200

0

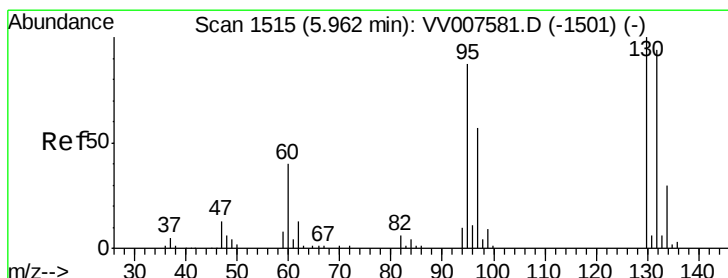
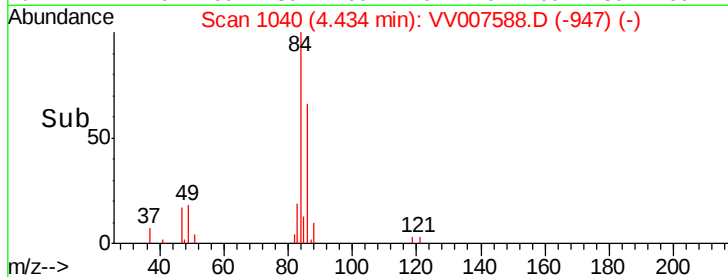
4.35

4.40

4.45

4.50

Time-->



#34

Trichloroethene

Concen: 0.454 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007588.D

Acq: 17 Sep 2018 14:55

Tgt Ion: 95 Resp: 3079

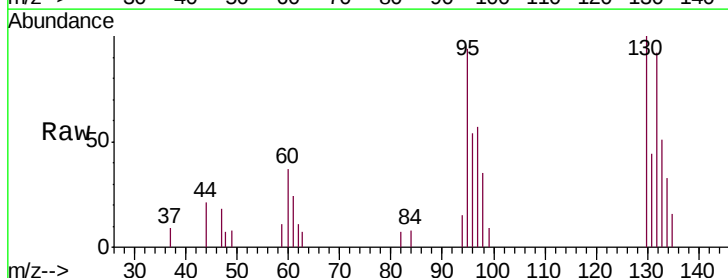
Ion Ratio Lower Upper

95 100

97 60.7 45.5 84.5

132 97.8 74.9 139.1

130 106.3 80.0 148.6



Abundance Ion 95.00 (94.70 to 95.70): VV007581.D (-1501) (-)

Ion 96.95 (96.65 to 97.65): VV007581.D (-1501) (-)

Ion 131.95 (131.65 to 132.65): VV007581.D (-1501) (-)

Ion 129.95 (129.65 to 130.65): VV007581.D (-1501) (-)

2500

2000

1500

1000

500

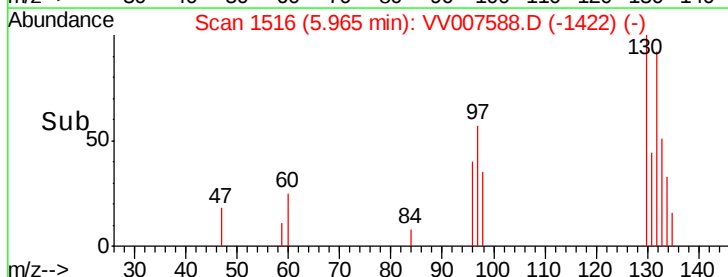
0

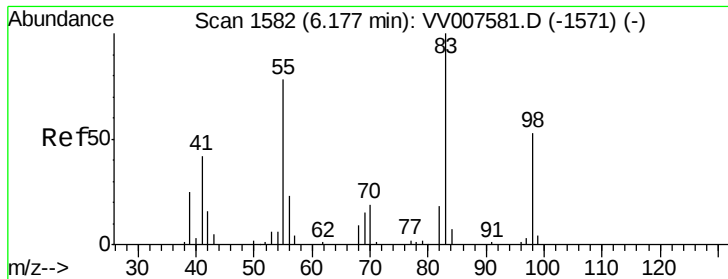
5.90

5.95

6.00

Time-->





#35

Methylcyclohexane

Concen: 0.760 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV007588.D

Acq: 17 Sep 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

C0KY3

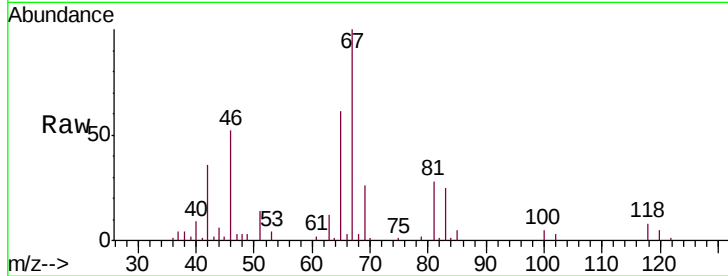
Tgt Ion: 83 Resp: 7963

Ion Ratio Lower Upper

83 100

55 0.0 55.0 82.4#

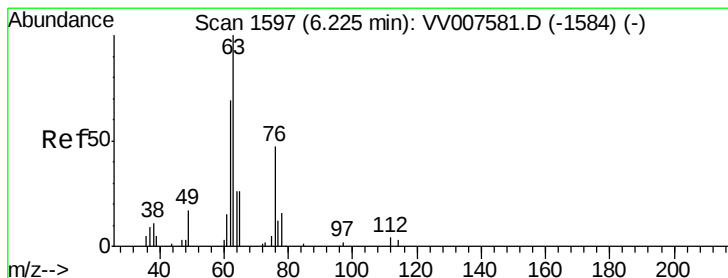
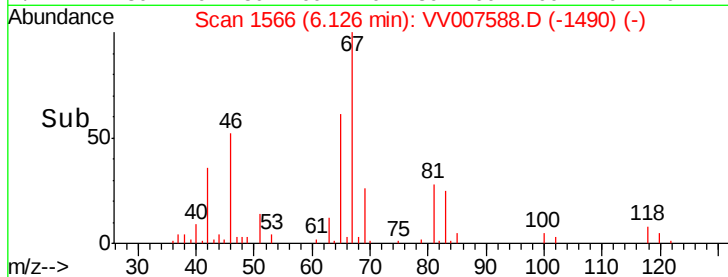
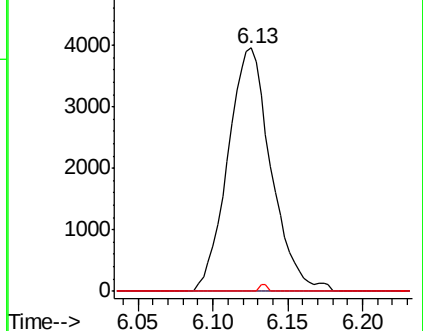
98 21.7 37.6 56.4#



Abundance Ion 83.15 (82.85 to 83.85): VV007588.D (-1566) (-)

Ion 55.10 (54.80 to 55.80): VV007588.D (-1566) (-)

Ion 98.15 (97.85 to 98.85): VV007588.D (-1566) (-)



#37

1,2-Dichloropropane

Concen: 0.737 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.11 min

Lab File: VV007588.D

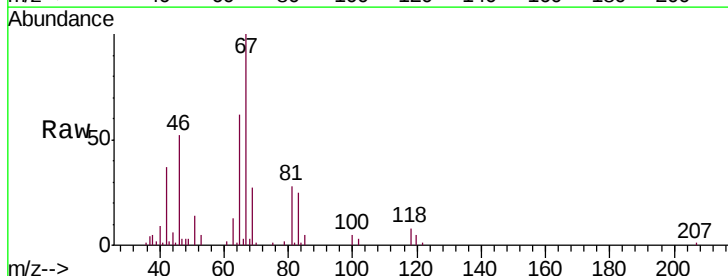
Acq: 17 Sep 2018 14:55

Tgt Ion: 63 Resp: 4019

Ion Ratio Lower Upper

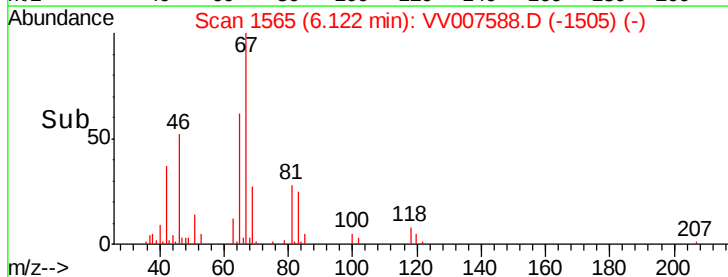
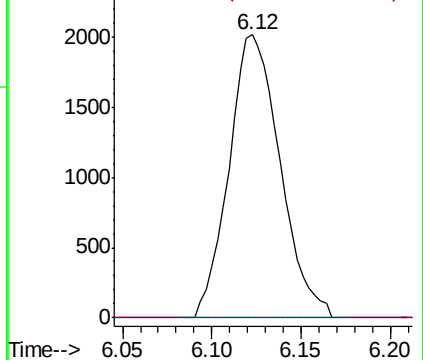
63 100

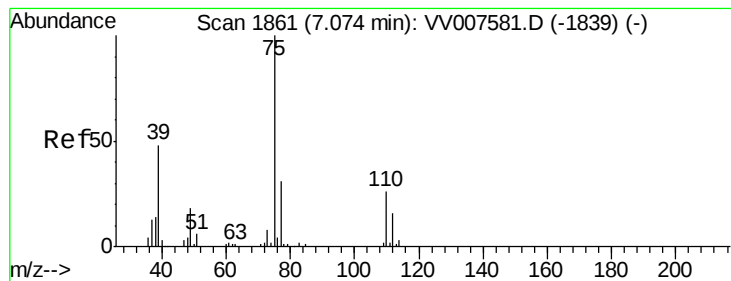
112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV007588.D (-1565) (-)

Ion 112.10 (111.80 to 112.80): VV007588.D (-1565) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.140 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007588.D

Acq: 17 Sep 2018 14:55

Instrument :

MSVOA_V

ClientSampled :

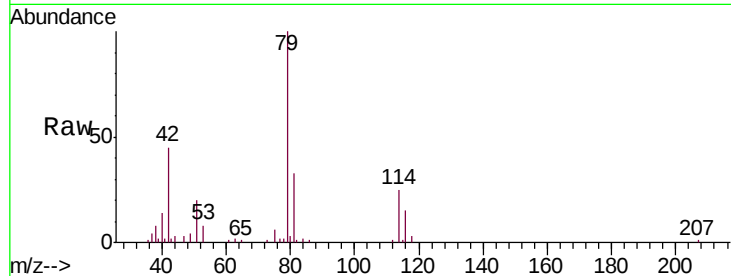
C0KY3

Tgt Ion: 75 Resp: 1215

Ion Ratio Lower Upper

75 100

77 37.6 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.04

800

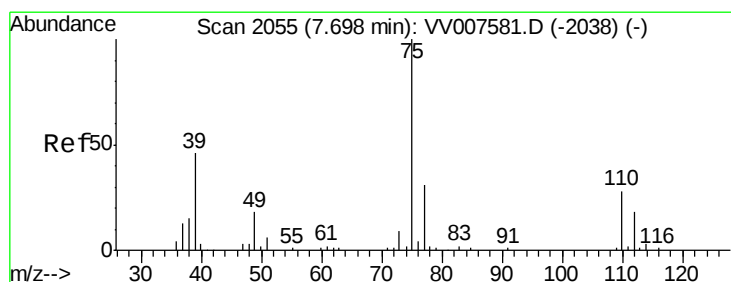
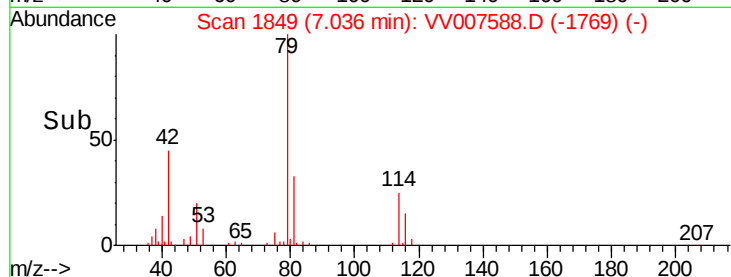
600

400

200

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV007588.D

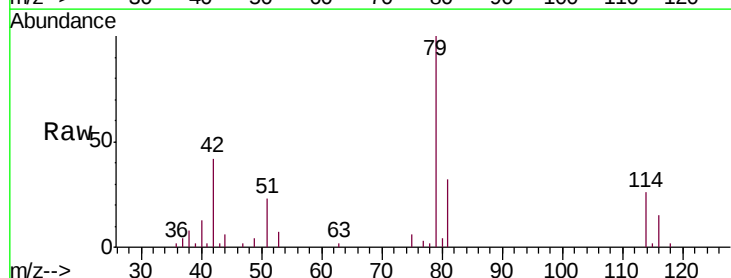
Acq: 17 Sep 2018 14:55

Tgt Ion: 75 Resp: 591

Ion Ratio Lower Upper

75 100

77 48.6 23.4 43.4#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

400

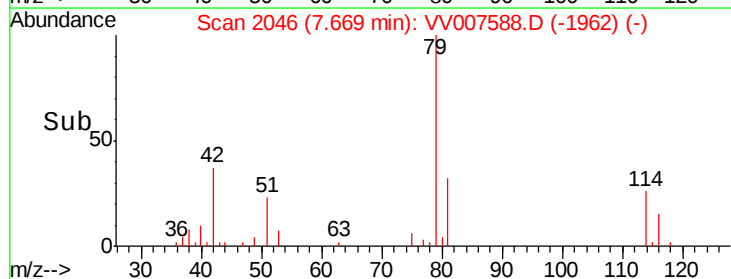
300

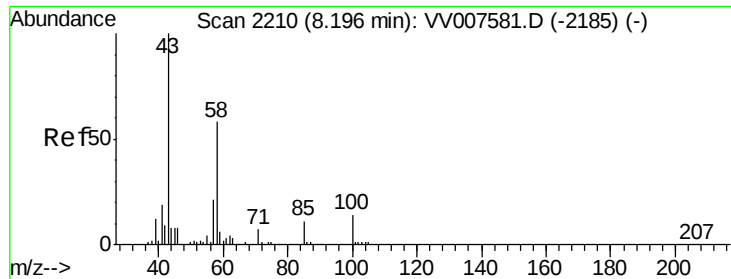
200

100

0

Time-->

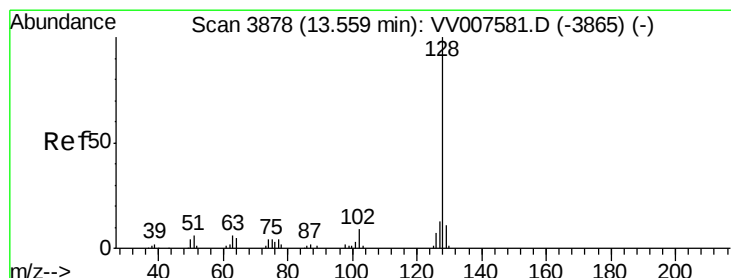
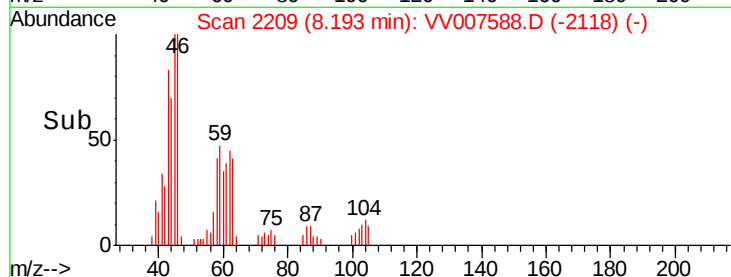
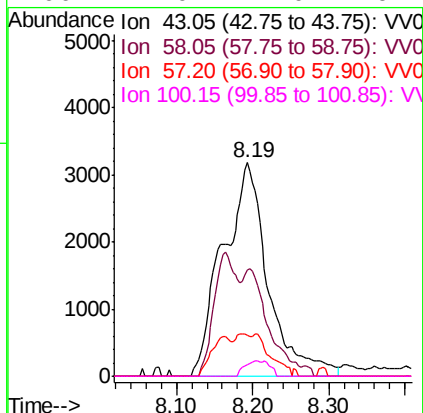
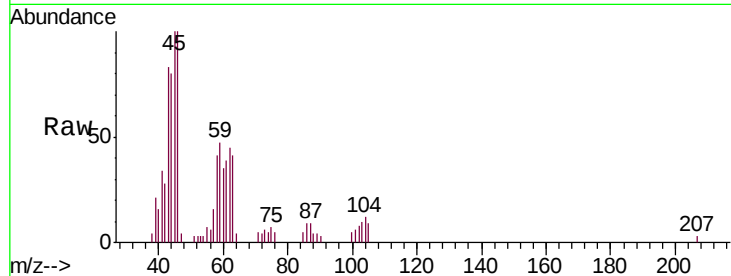




#48
2-Hexanone
Concen: 5.748 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VV007588.D
Acq: 17 Sep 2018 14:55

Instrument :
MSVOA_V
ClientSampleId :
C0KY3

Tgt Ion: 43 Resp: 13138
Ion Ratio Lower Upper
43 100
58 23.2 49.8 74.6#
57 1.5 18.2 27.4#
100 4.0 11.0 16.4#



#69
Naphthalene
Concen: 0.389 ug/L
RT: 13.56 min Scan# 3879
Delta R.T. 0.00 min
Lab File: VV007588.D
Acq: 17 Sep 2018 14:55

Tgt Ion: 128 Resp: 3737
Ion Ratio Lower Upper
128 100
129 9.6 8.5 12.7
127 12.5 10.5 15.7

