

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039300.D
 Acq On : 06 Jul 2020 18:42
 Operator : SY/MD
 Sample : L3193-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4281

Quant Time: Jul 07 01:21:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 01:17:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	111113	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	102114	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49682	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46429	5.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.60%
7) Chloroethane-d5	1.92	69	39450	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.58	63	65198	4.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.00%
20) 2-Butanone-d5	4.67	46	184671	57.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.68%
24) Chloroform-d	5.09	84	86149	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.72	65	53203	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.74	84	169926	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
36) 1,2-Dichloropropane-d6	6.71	67	56999	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.91	98	153390	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	8.19	79	23664	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.65	63	145775	57.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.56%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	51261	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	59233	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

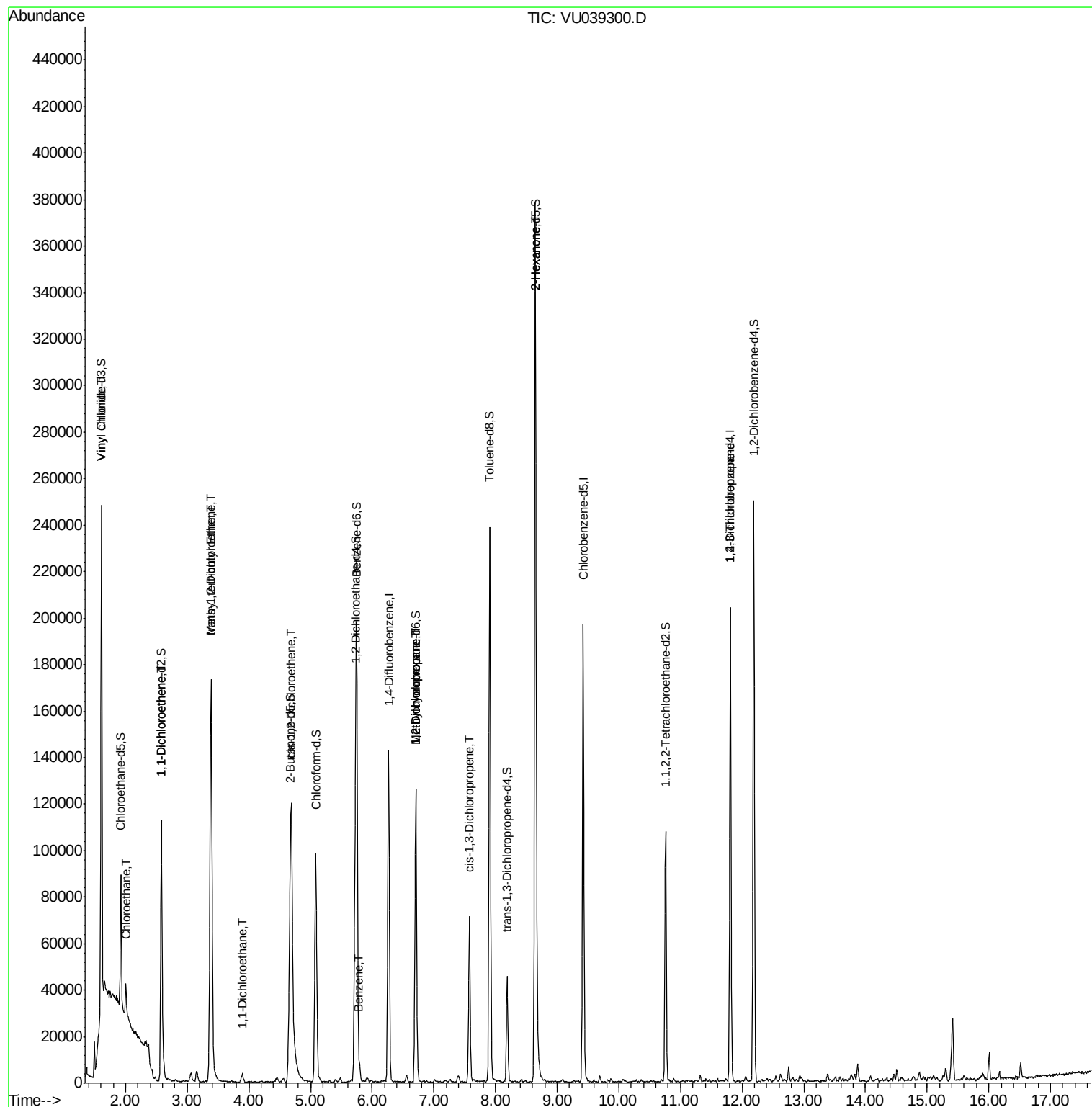
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	84421	10.198	ug/L #	72
8) Chloroethane	2.01	64	1277	0.225	ug/L #	54
12) 1,1-Dichloroethene	2.57	96	510	0.081	ug/L #	1
17) Methyl tert-butyl Ether	3.38	73	199673	9.644	ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	3082	0.450	ug/L	83
19) 1,1-Dichloroethane	3.89	63	4195	0.306	ug/L #	95
22) cis-1,2-Dichloroethene	4.69	96	32785	4.204	ug/L	100
33) Benzene	5.79	78	4942	0.172	ug/L	100
35) Methylcyclohexane	6.71	83	11910	1.002	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	6654	0.829	ug/L #	90
39) cis-1,3-Dichloropropene	7.58	75	2210	0.177	ug/L #	77
48) 2-Hexanone	8.65	43	17810	3.524	ug/L #	74
59) 1,2,3-Trichloropropane	11.81	75	7633	1.265	ug/L	95

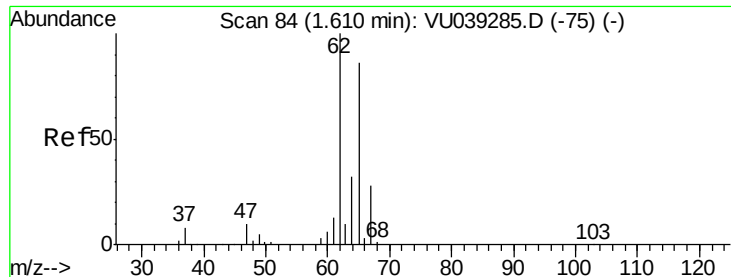
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 10.198 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039300.D

Acq: 06 Jul 2020 18:42

Instrument :

MSVOA_U

ClientSampled :

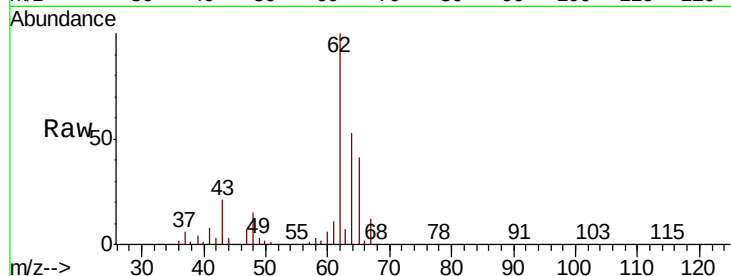
H4281

Tot Ion: 62 Resp: 84421

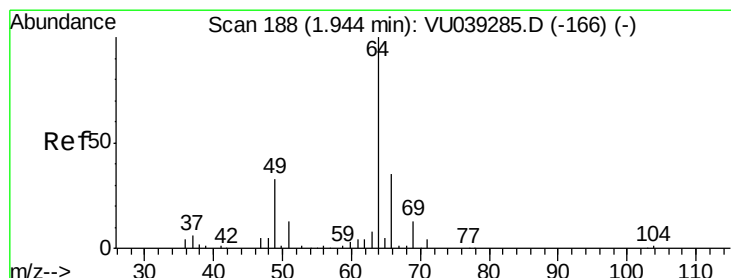
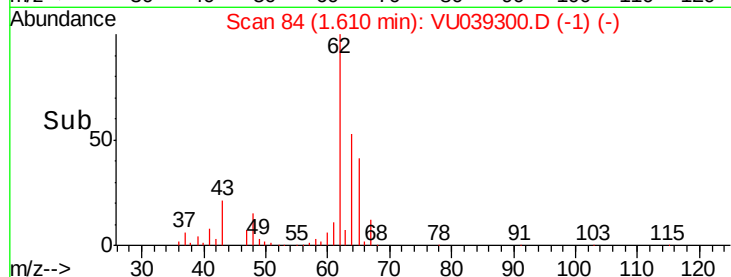
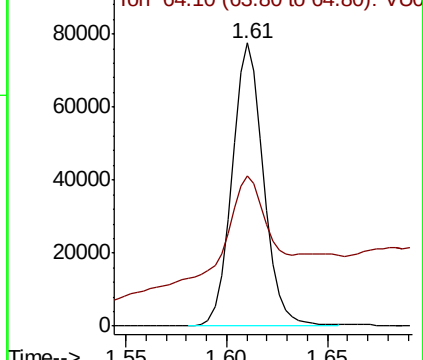
Ion Ratio Lower Upper

62 100

64 53.0 25.6 47.4#



Abundance Ion 62.00 (61.70 to 62.70): VU039300.D (-1) (-)



#8

Chloroethane

Concen: 0.225 ug/L

RT: 2.01 min Scan# 208

Delta R.T. 0.06 min

Lab File: VU039300.D

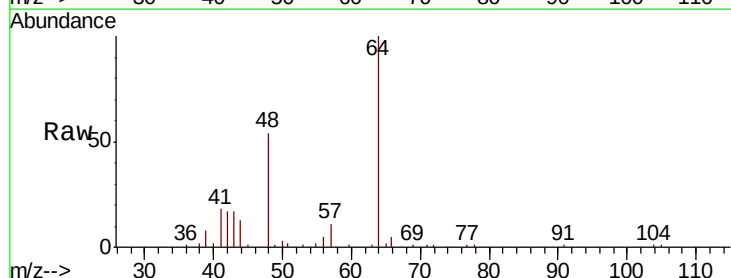
Acq: 06 Jul 2020 18:42

Tgt Ion: 64 Resp: 1277

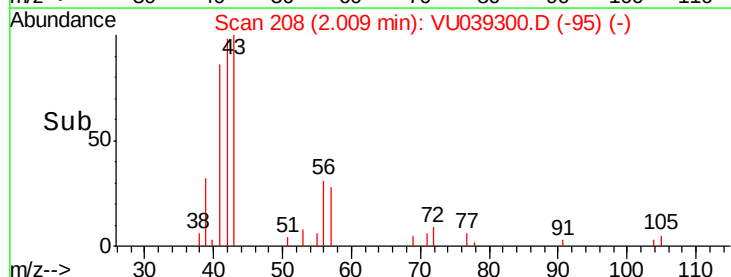
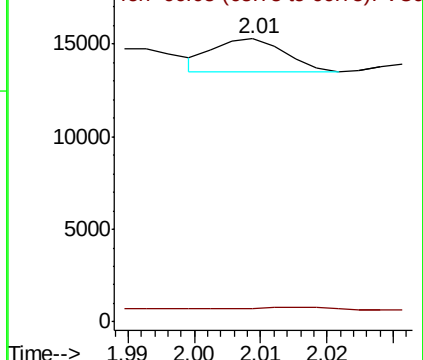
Ion Ratio Lower Upper

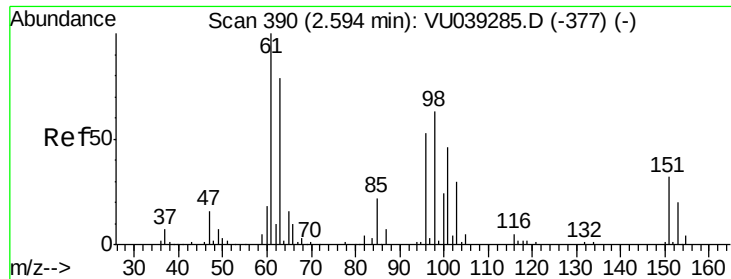
64 100

66 4.9 20.7 38.5#



Abundance Ion 64.10 (63.80 to 64.80): VU039300.D (-95) (-)

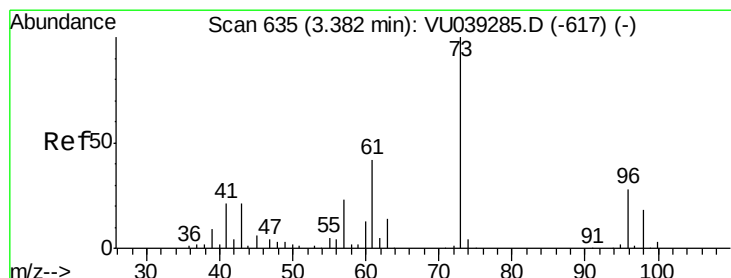
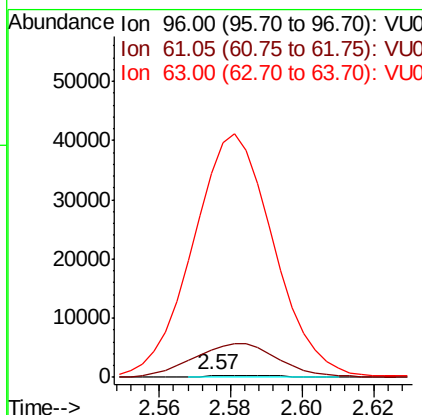
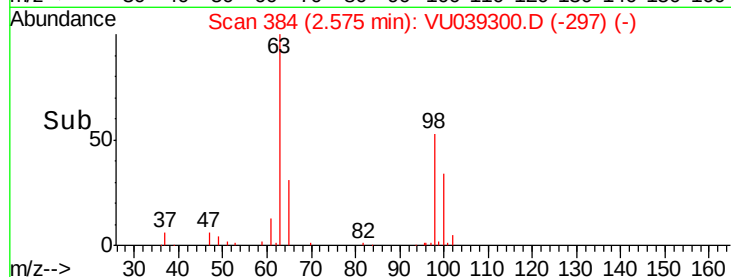
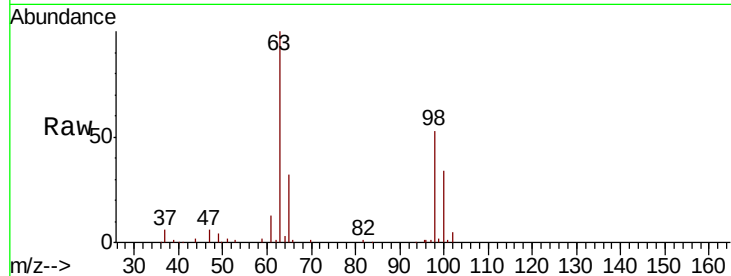




#12
 1,1-Dichloroethene
 Concen: 0.081 ug/L
 RT: 2.57 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VU039300.D
 Acq: 06 Jul 2020 18:42

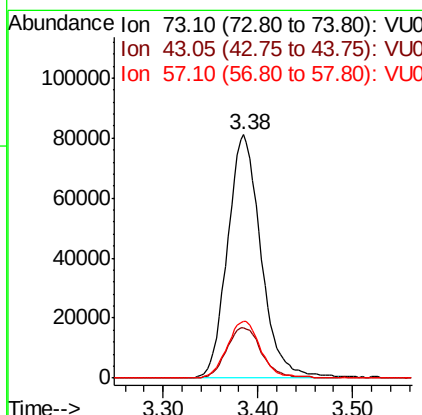
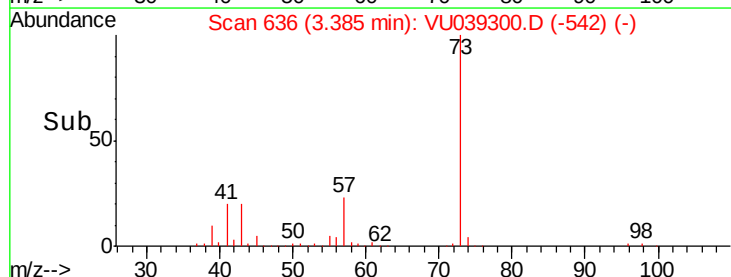
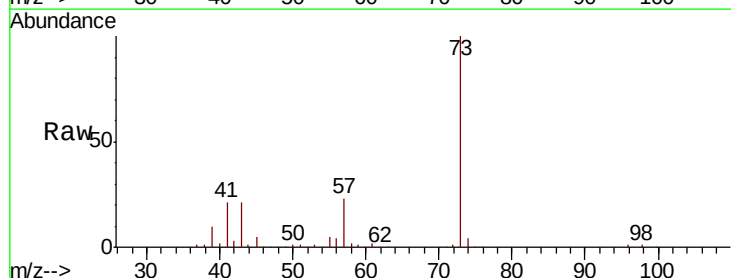
Instrument :
 MSVOA_U
 ClientSampled :
 H4281

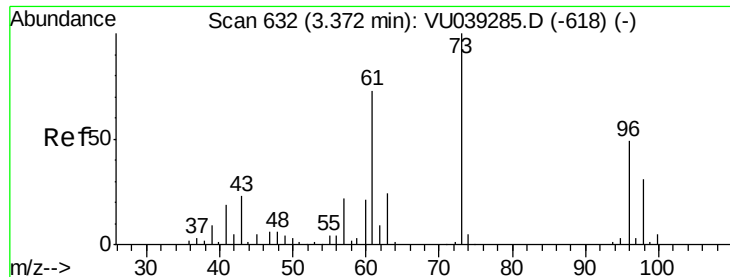
Tot Ion: 96 Resp: 510
 Ion Ratio Lower Upper
 96 100
 61 1260.8 123.8 230.0#
 63 9593.3 112.1 208.3#



#17
 Methyl tert-butyl Ether
 Concen: 9.644 ug/L
 RT: 3.38 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VU039300.D
 Acq: 06 Jul 2020 18:42

Tgt Ion: 73 Resp: 199673
 Ion Ratio Lower Upper
 73 100
 43 21.5 17.5 26.3
 57 23.5 18.6 27.8





#18

trans-1,2-Dichloroethene

Concen: 0.450 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.00 min

Lab File: VU039300.D

Acq: 06 Jul 2020 18:42

Instrument :

MSVOA_U

ClientSampled :

H4281

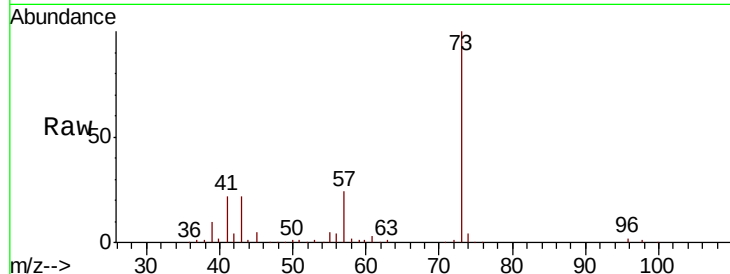
Tot Ion: 96 Resp: 3082

Ion Ratio Lower Upper

96 100

61 121.7 104.7 194.5

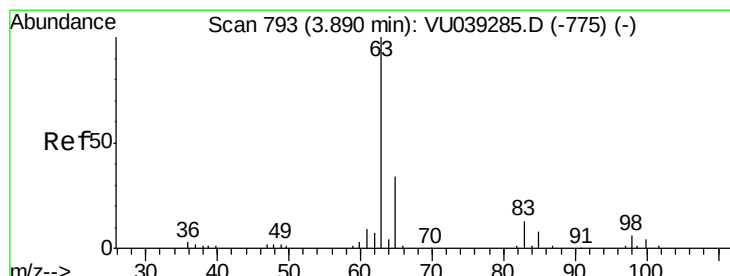
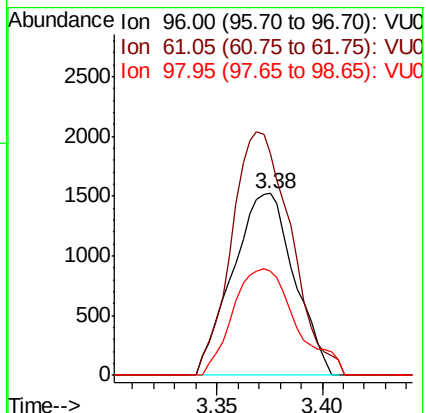
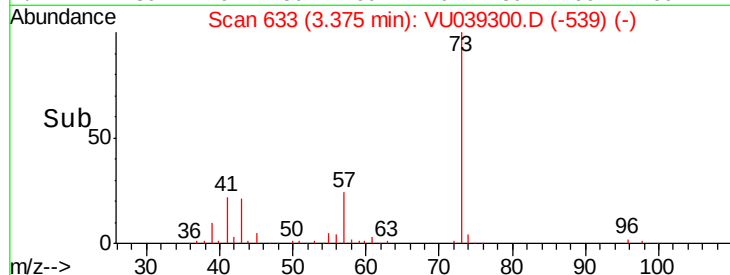
98 57.5 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU039300.D (-539) (-)

Ion 61.05 (60.75 to 61.75): VU039300.D (-539) (-)

Ion 97.95 (97.65 to 98.65): VU039300.D (-539) (-)



#19

1,1-Dichloroethane

Concen: 0.306 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039300.D

Acq: 06 Jul 2020 18:42

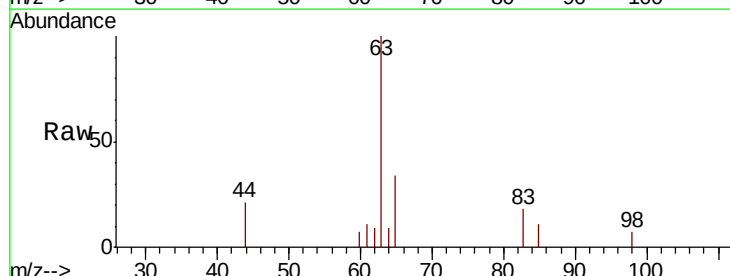
Tgt Ion: 63 Resp: 4195

Ion Ratio Lower Upper

63 100

65 33.9 22.7 42.3

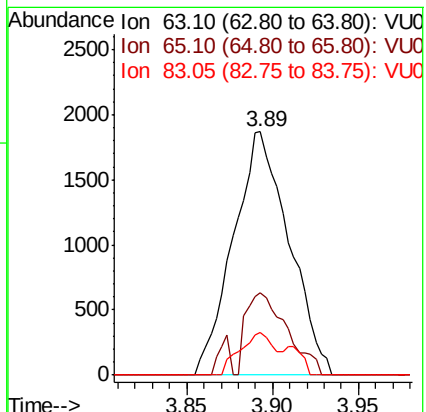
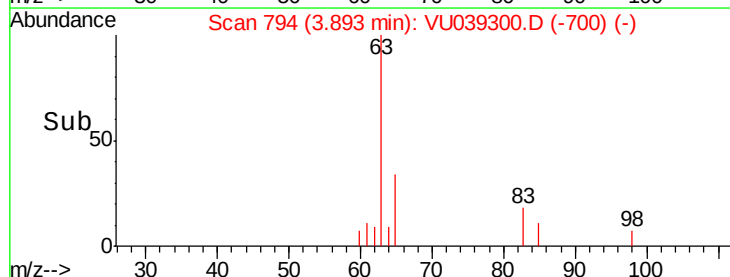
83 17.7 9.1 16.9#

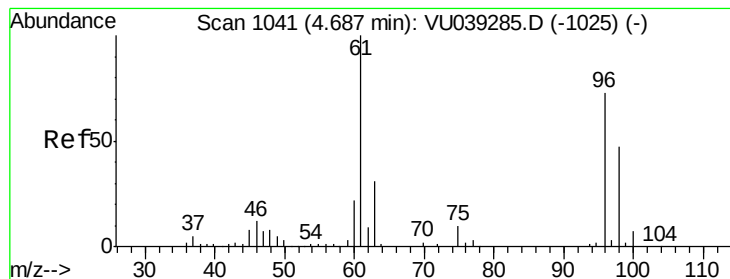


Abundance Ion 63.10 (62.80 to 63.80): VU039300.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039300.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039300.D (-700) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.204 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039300.D

Acq: 06 Jul 2020 18:42

Instrument :

MSVOA_U

ClientSampled :

H4281

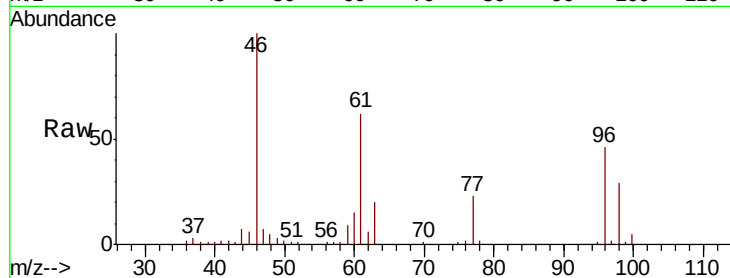
Tot Ion: 96 Resp: 32785

Ion Ratio Lower Upper

96 100

61 133.4 93.7 173.9

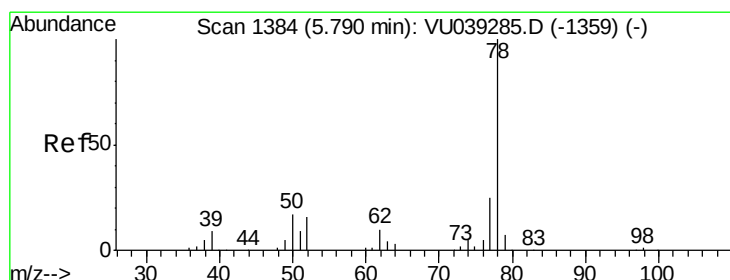
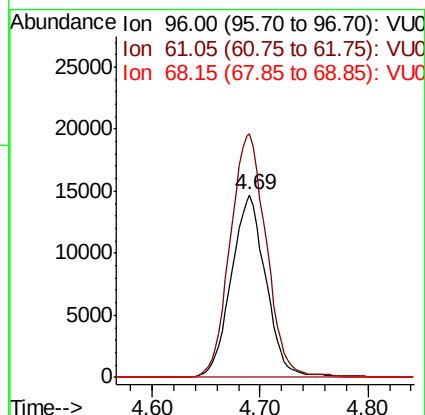
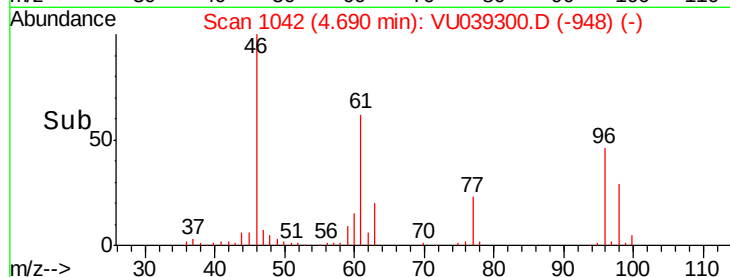
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#33

Benzene

Concen: 0.172 ug/L

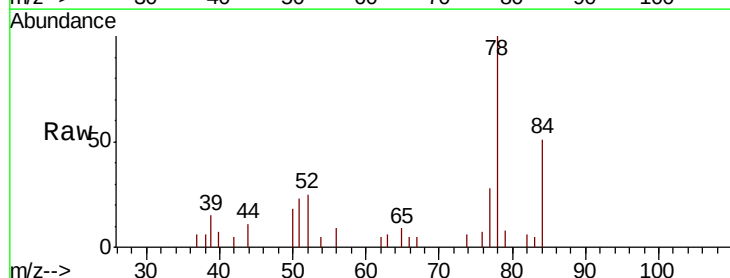
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

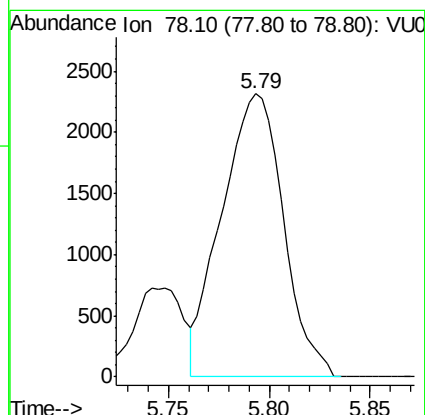
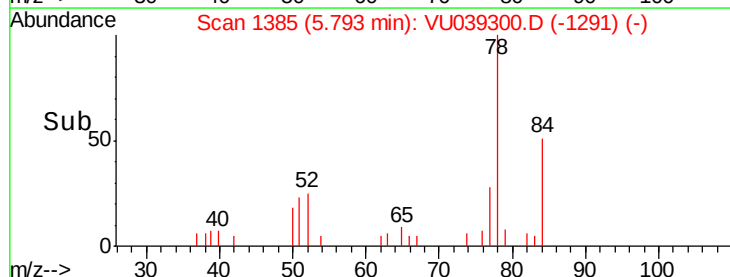
Lab File: VU039300.D

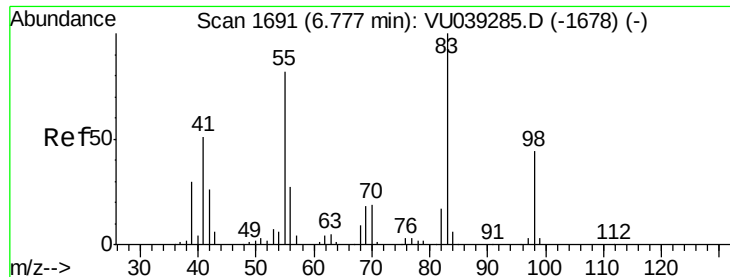
Acq: 06 Jul 2020 18:42

Tgt Ion: 78 Resp: 4942



Abundance Ion 78.10 (77.80 to 78.80): VU0

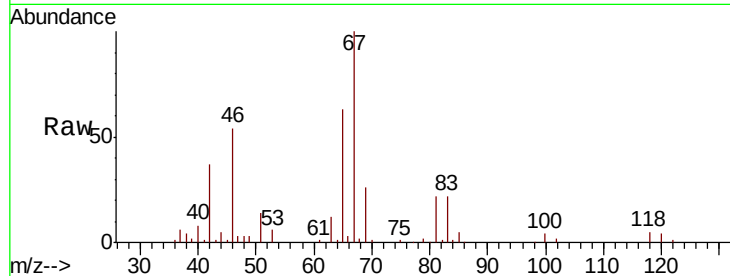




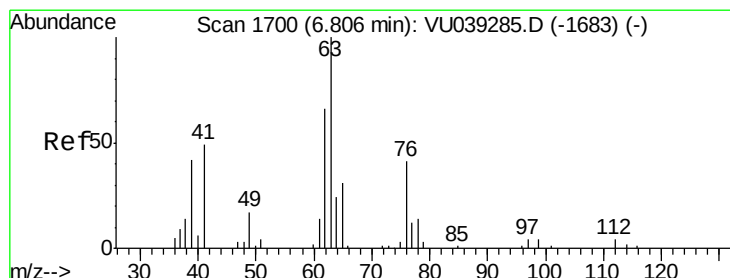
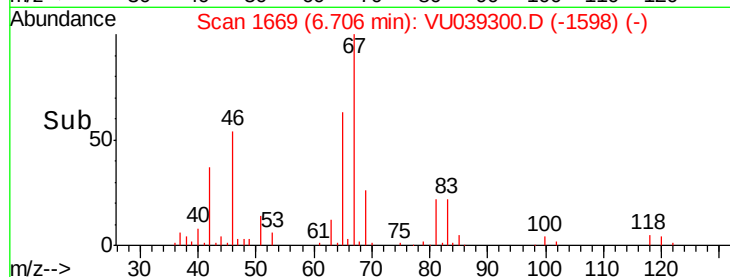
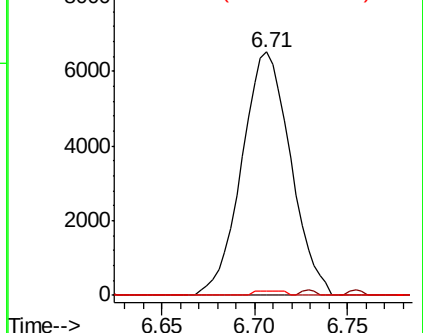
#35
Methylvlcyclohexane
Concen: 1.002 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039300.D
Acq: 06 Jul 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
H4281

Tot Ion: 83 Resp: 11910
Ion Ratio Lower Upper
83 100
55 0.6 63.3 94.9#
98 1.1 37.4 56.2#

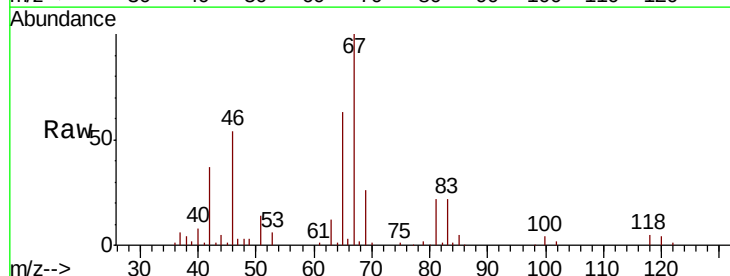


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

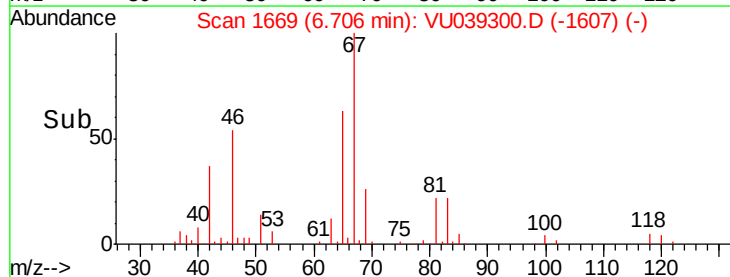
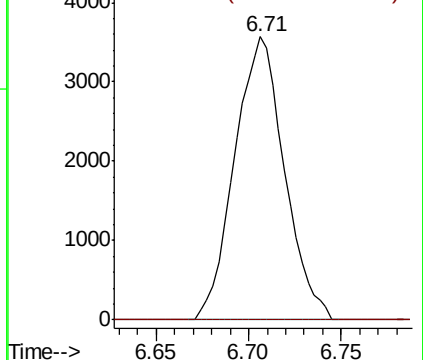


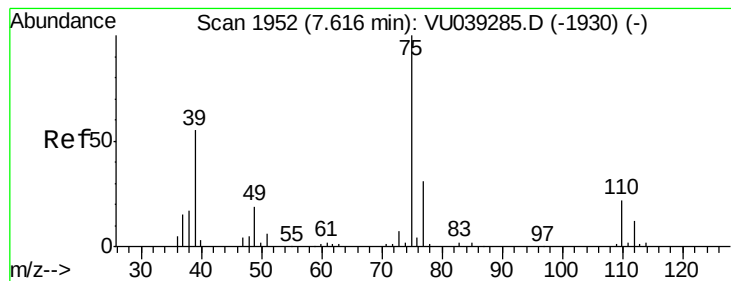
#37
1,2-Dichloropropane
Concen: 0.829 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039300.D
Acq: 06 Jul 2020 18:42

Tgt Ion: 63 Resp: 6654
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.177 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039300.D

Acq: 06 Jul 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

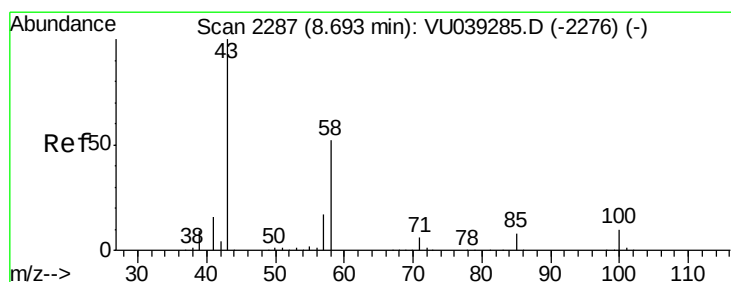
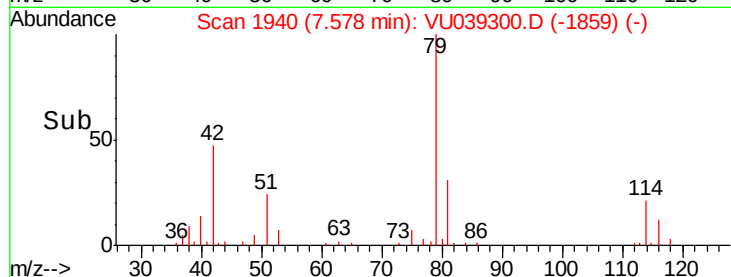
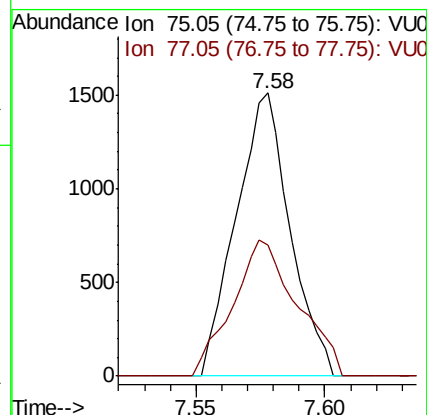
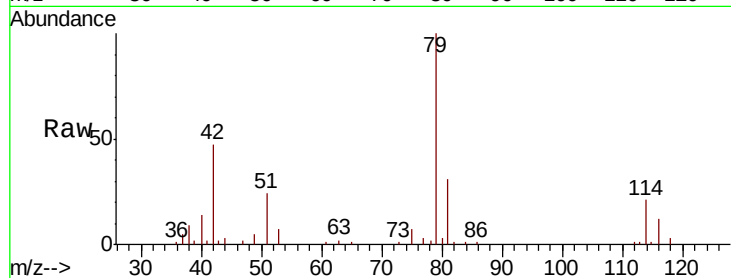
H4281

Tot Ion: 75 Resp: 2210

Ion Ratio Lower Upper

75 100

77 46.5 23.3 43.3#



#48

2-Hexanone

Concen: 3.524 ug/L

RT: 8.65 min Scan# 2272

Delta R.T. -0.05 min

Lab File: VU039300.D

Acq: 06 Jul 2020 18:42

Tgt Ion: 43 Resp: 17810

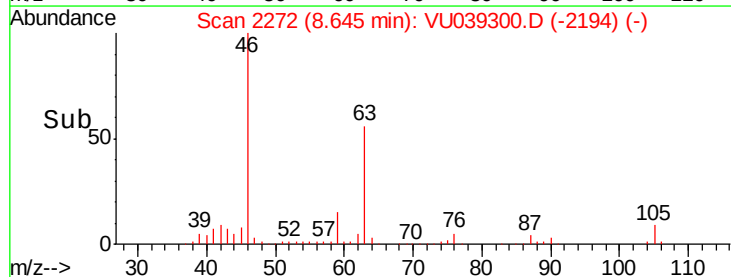
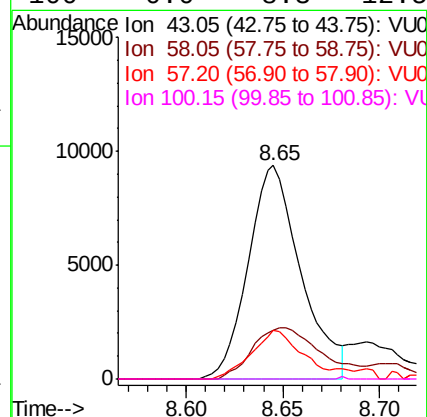
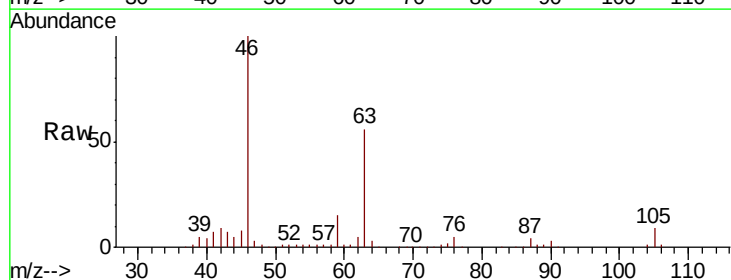
Ion Ratio Lower Upper

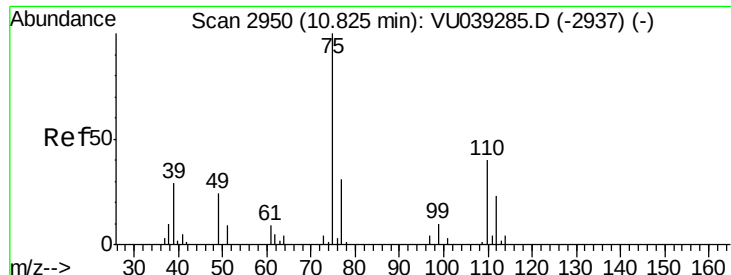
43 100

58 31.9 43.1 64.7#

57 23.4 14.4 21.6#

100 0.0 8.3 12.5#





#59

1,2,3-Trichloropropane

Concen: 1.265 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039300.D

Acq: 06 Jul 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

H4281

Tot Ion: 75 Resp: 7633

Ion Ratio Lower Upper

75 100

77 37.3 27.7 41.5

