

Data File : VU032674.D
Acq On : 12 Jun 2019 23:45
Operator : JC/SP
Sample : K3313-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
COM08

Quant Time: Jun 13 06:03:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:57:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	170925	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	164315	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	81028	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	51229	46.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.40%
7) Chloroethane-d5	1.68	69	41315	46.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.72%
11) 1,1-Dichloroethene-d2	2.27	63	77415	35.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.30%
21) 2-Butanone-d5	4.17	46	87758	94.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.56%
24) Chloroform-d	4.64	84	96348	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	5.30	65	64766	49.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.42%
32) Benzene-d6	5.33	84	193923	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.92%
36) 1,2-Dichloropropane-d6	6.32	67	61590	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.10%
41) Toluene-d8	7.56	98	175865	43.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.96%
43) trans-1,3-Dichloropropene-	7.85	79	26678	41.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.36%
47) 2-Hexanone-d5	8.31	63	47091	72.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	72.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	84348	43.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.04%
64) 1,2-Dichlorobenzene-d4	11.85	152	72370	46.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.26%

Target Compounds

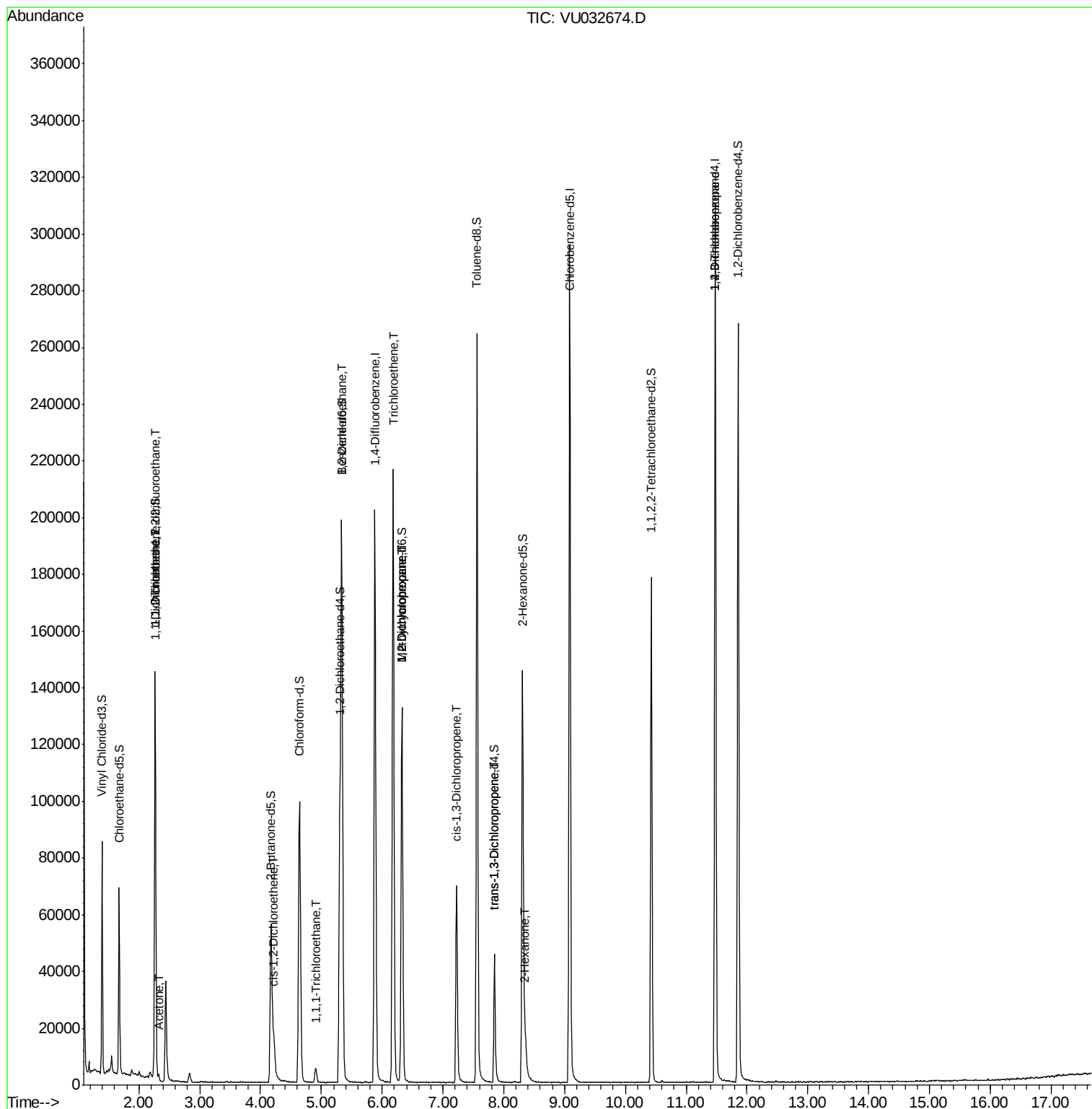
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	679	0.650	ug/L #	18
12) 1,1-Dichloroethene	2.28	96	4557	4.493	ug/L #	1
13) Acetone	2.32	43	1860	1.942	ug/L	93
20) cis-1,2-Dichloroethene	4.22	96	5295	4.257	ug/L	98
27) 1,2-Dichloroethane	5.33	62	1206	0.738	ug/L #	75
30) 1,1,1-Trichloroethane	4.91	97	4455	2.395	ug/L	98
34) Trichloroethene	6.18	95	70614	56.220	ug/L	99
35) Methylcyclohexane	6.32	83	14018	6.894	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	6963	5.690	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	1857	0.962	ug/L #	48
44) trans-1,3-Dichloropropene	7.85	75	1261	0.736	ug/L	96
48) 2-Hexanone	8.36	43	4971	3.074	ug/L #	88
59) 1,2,3-Trichloropropane	11.48	75	10104	6.351	ug/L	90

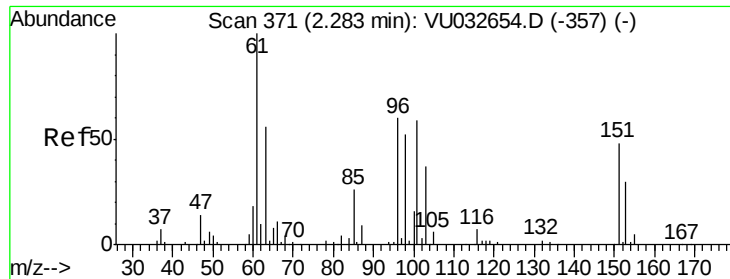
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.650 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032674.D

Acq: 12 Jun 2019 23:45

Instrument :

MSVOA_U

ClientSampleId :

COM08

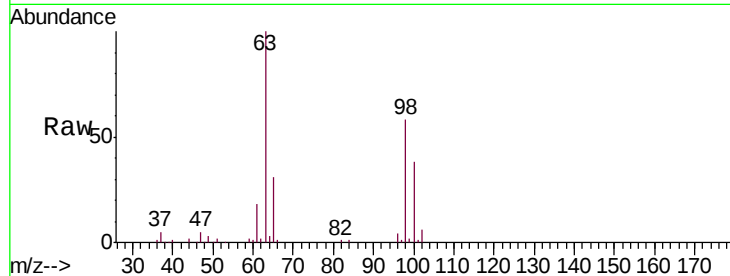
Tgt Ion: 101 Resp: 679

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 63.0 94.4#

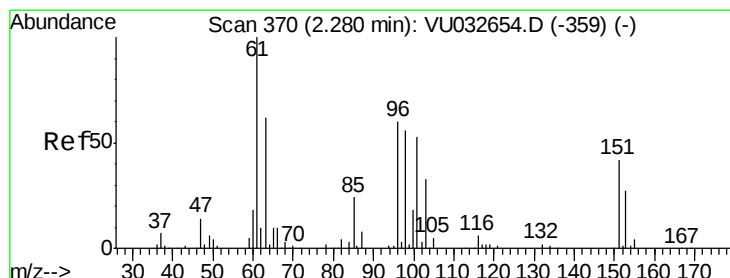
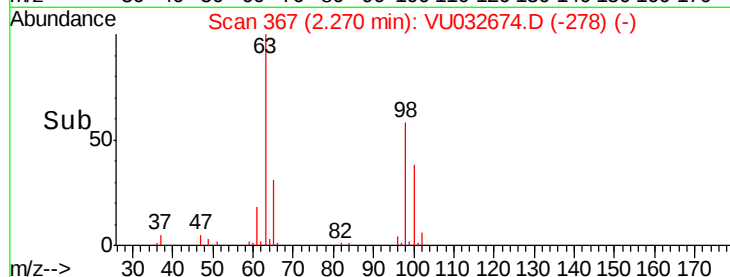
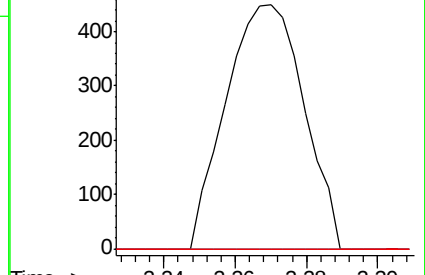


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.27



#12

1,1-Dichloroethene

Concen: 4.493 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032674.D

Acq: 12 Jun 2019 23:45

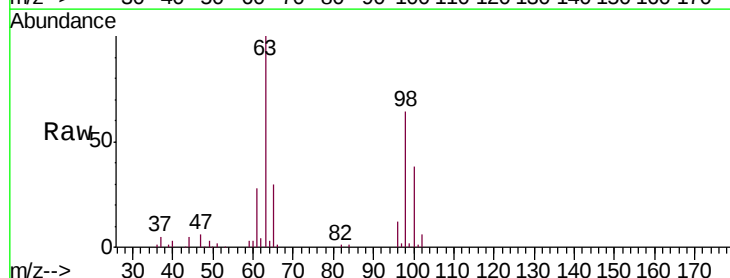
Tgt Ion: 96 Resp: 4557

Ion Ratio Lower Upper

96 100

61 236.4 129.5 240.5

63 844.0 103.4 192.0#

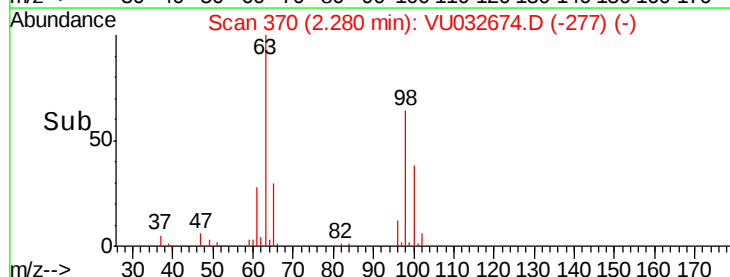
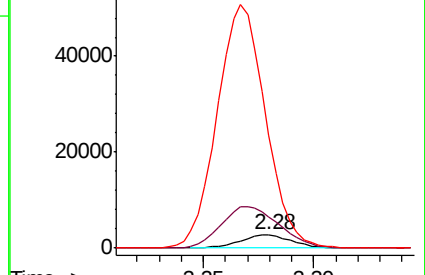


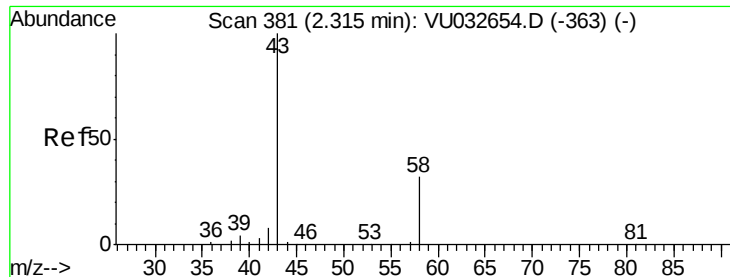
Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

2.28





#13

Acetone

Concen: 1.942 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032674.D

Acq: 12 Jun 2019 23:45

Instrument :

MSVOA_U

ClientSampleId :

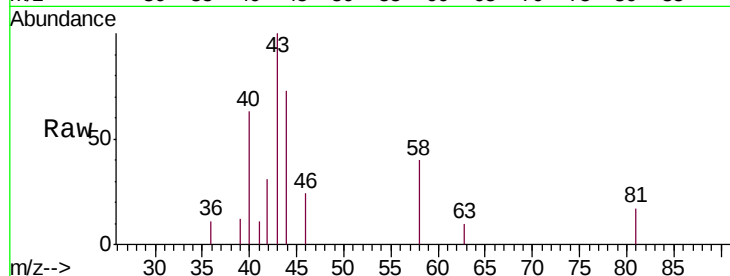
COM08

Tgt Ion: 43 Resp: 1860

Ion Ratio Lower Upper

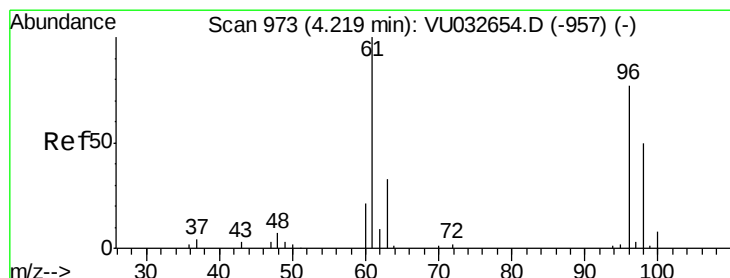
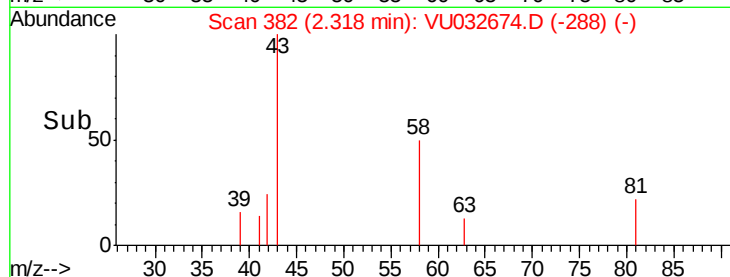
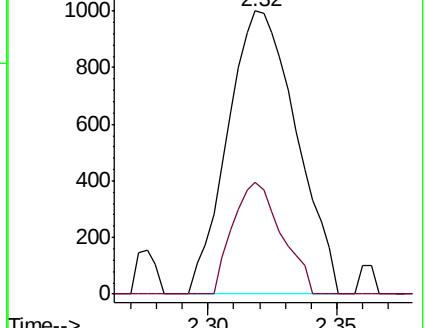
43 100

58 28.0 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032654.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU032654.D (-363) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.257 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032674.D

Acq: 12 Jun 2019 23:45

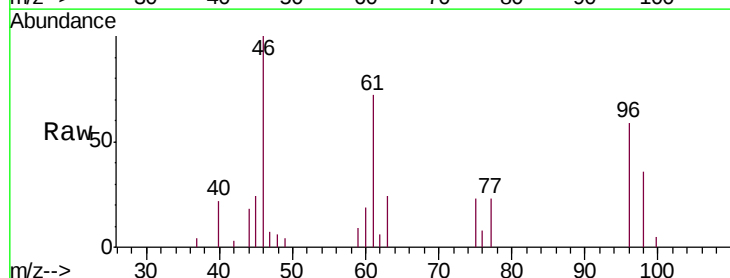
Tgt Ion: 96 Resp: 5295

Ion Ratio Lower Upper

96 100

61 122.3 87.2 162.0

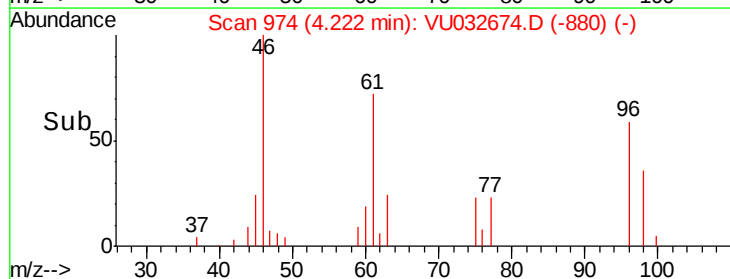
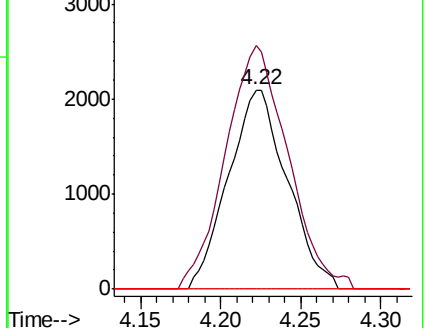
68 0.0 0.0 0.0

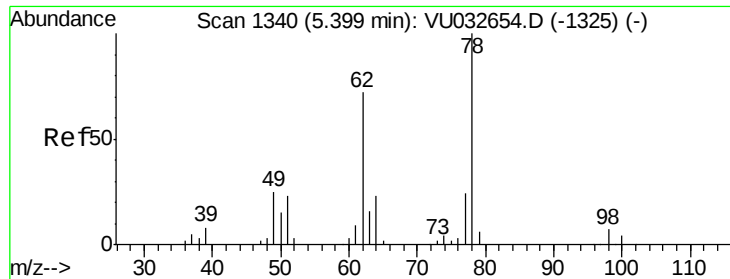


Abundance Ion 96.00 (95.70 to 96.70): VU032654.D (-957) (-)

Ion 61.00 (60.70 to 61.70): VU032654.D (-957) (-)

Ion 68.00 (67.70 to 68.70): VU032654.D (-957) (-)

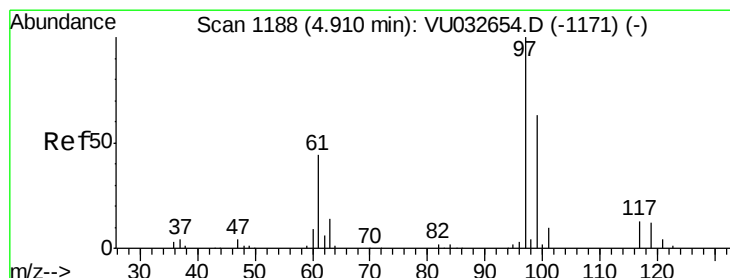
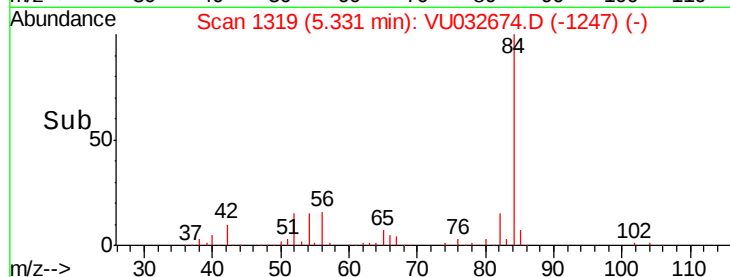
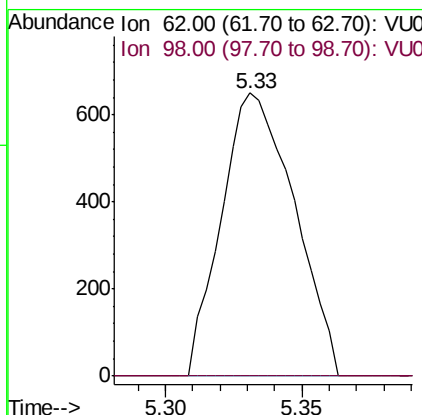
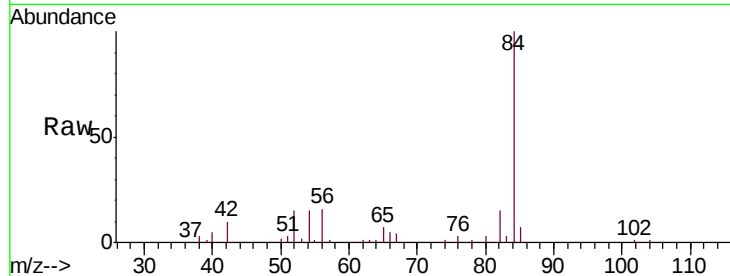




#27
 1,2-Dichloroethane
 Concen: 0.738 ug/L
 RT: 5.33 min Scan# 1319
 Delta R.T. -0.07 min
 Lab File: VU032674.D
 Acq: 12 Jun 2019 23:45

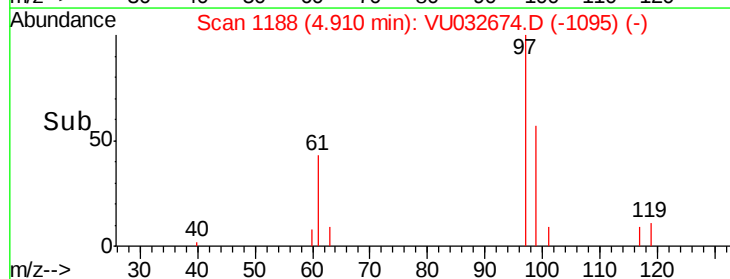
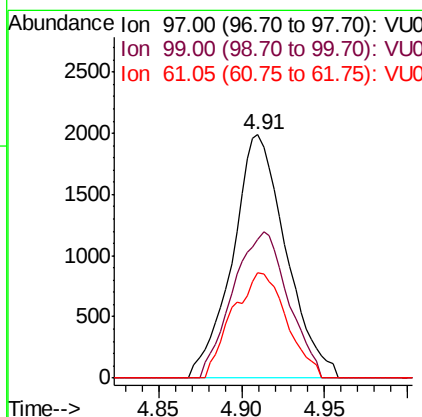
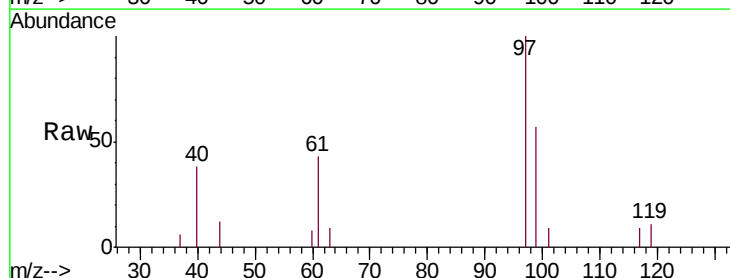
Instrument :
 MSVOA_U
 ClientSampleId :
 COM08

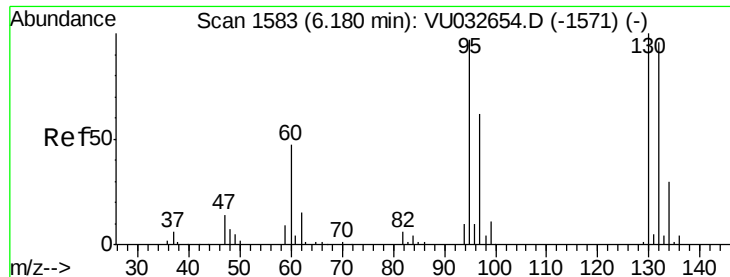
Tgt Ion: 62 Resp: 1206
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#30
 1,1,1-Trichloroethane
 Concen: 2.395 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU032674.D
 Acq: 12 Jun 2019 23:45

Tgt Ion: 97 Resp: 4455
 Ion Ratio Lower Upper
 97 100
 99 62.2 50.5 75.7
 61 43.6 33.8 50.6





#34

Trichloroethene

Concen: 56.220 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032674.D

Acq: 12 Jun 2019 23:45

Instrument :

MSVOA_U

ClientSampled :

COM08

Tgt Ion: 95 Resp: 70614

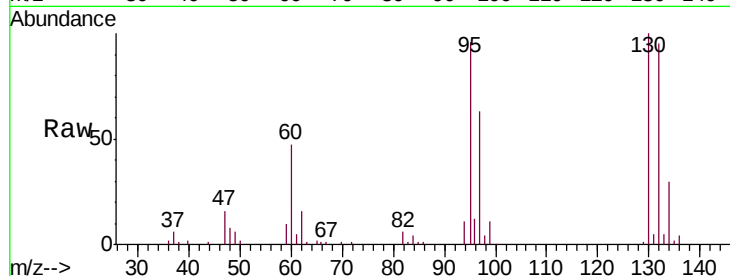
Ion Ratio Lower Upper

95 100

97 65.3 45.8 85.2

132 98.5 71.0 131.8

130 104.1 73.4 136.2

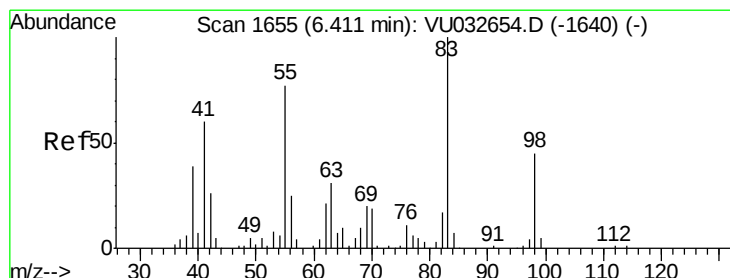
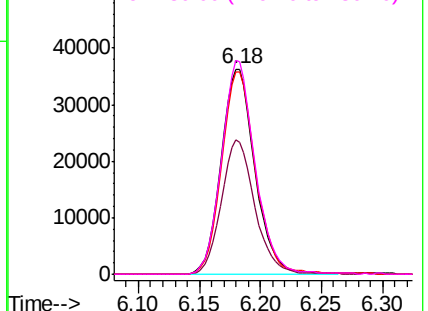
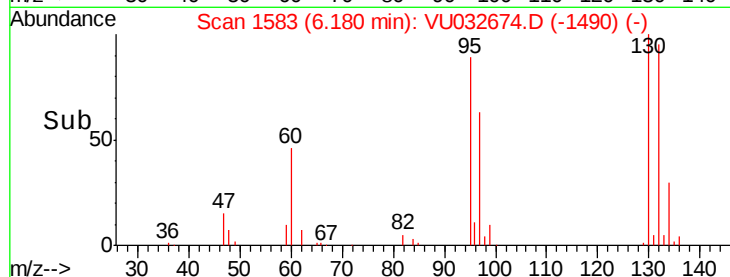


Abundance Ion 95.00 (94.70 to 95.70): VU032674.D (-1571) (-)

Ion 97.00 (96.70 to 97.70): VU032674.D (-1571) (-)

Ion 132.00 (131.70 to 132.70): VU032674.D (-1571) (-)

Ion 130.00 (129.70 to 130.70): VU032674.D (-1571) (-)



#35

Methylcyclohexane

Concen: 6.894 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.09 min

Lab File: VU032674.D

Acq: 12 Jun 2019 23:45

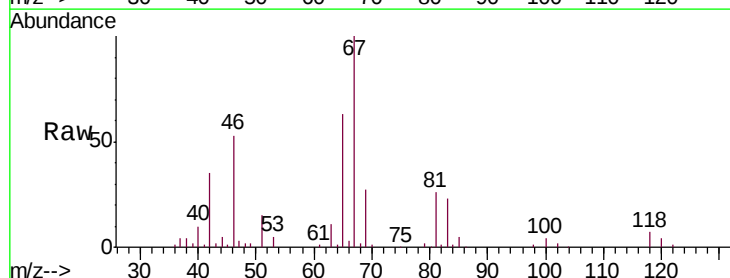
Tgt Ion: 83 Resp: 14018

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.4#

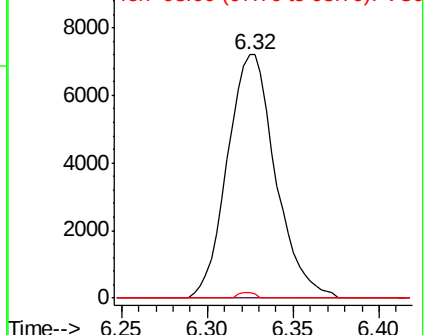
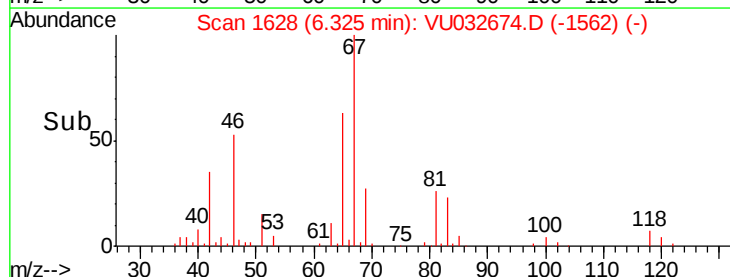
98 0.8 37.4 56.2#

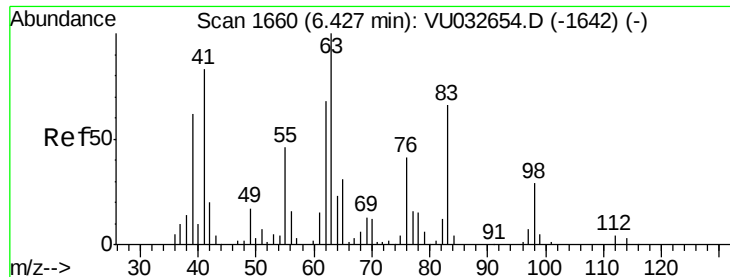


Abundance Ion 83.00 (82.70 to 83.70): VU032674.D (-1562) (-)

Ion 55.00 (54.70 to 55.70): VU032674.D (-1562) (-)

Ion 98.00 (97.70 to 98.70): VU032674.D (-1562) (-)

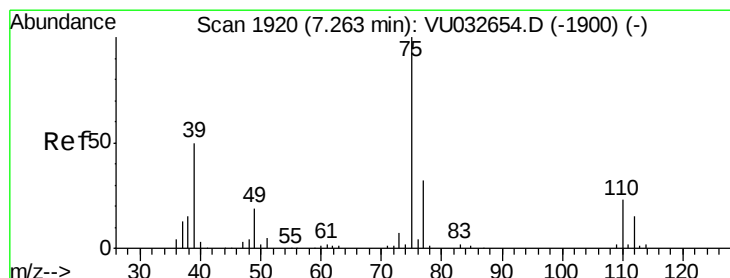
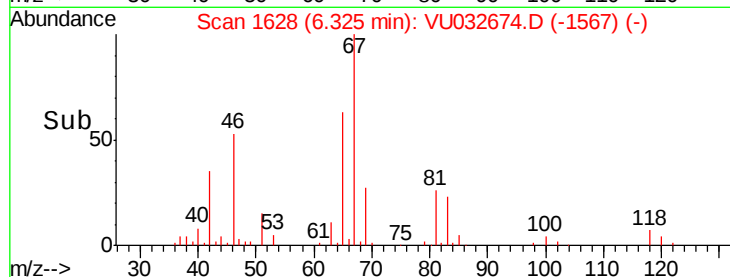
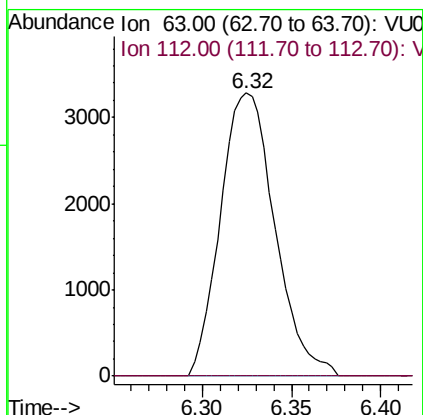
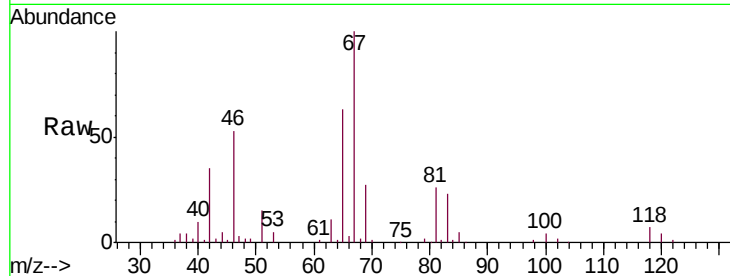




#37
 1,2-Dichloropropane
 Concen: 5.690 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032674.D
 Acq: 12 Jun 2019 23:45

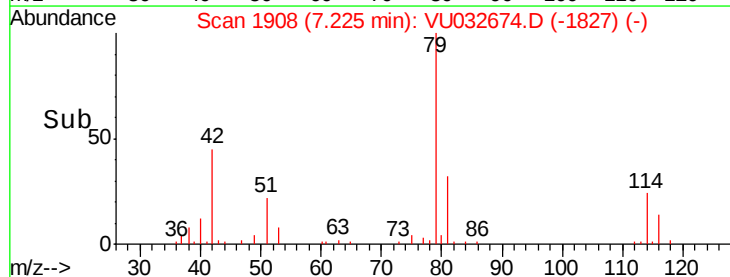
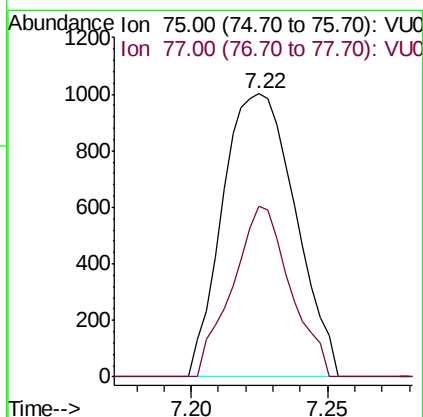
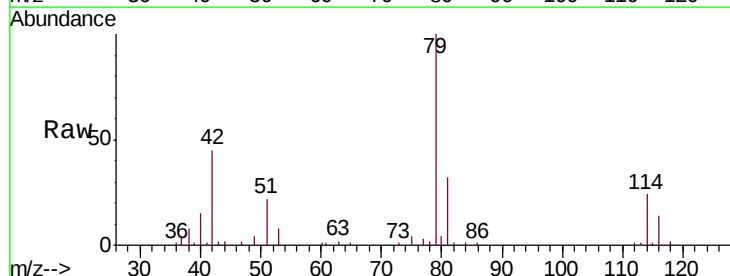
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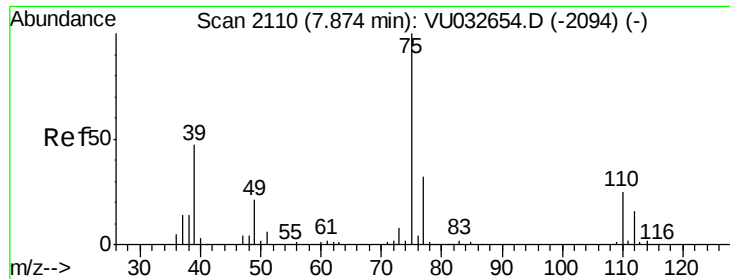
Tgt Ion: 63 Resp: 6963
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.962 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032674.D
 Acq: 12 Jun 2019 23:45

Tgt Ion: 75 Resp: 1857
 Ion Ratio Lower Upper
 75 100
 77 60.2 22.0 41.0#

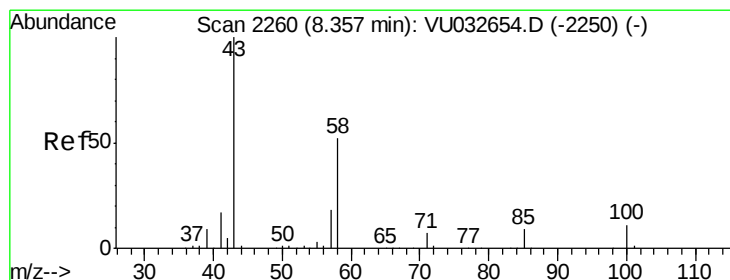
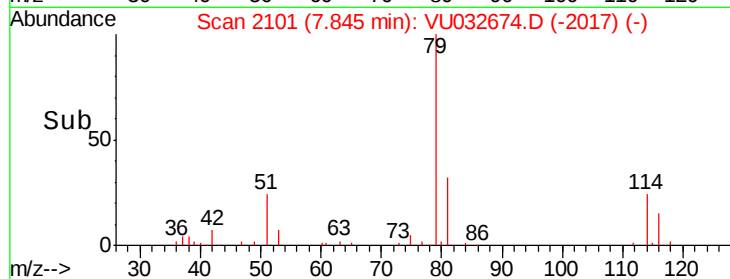
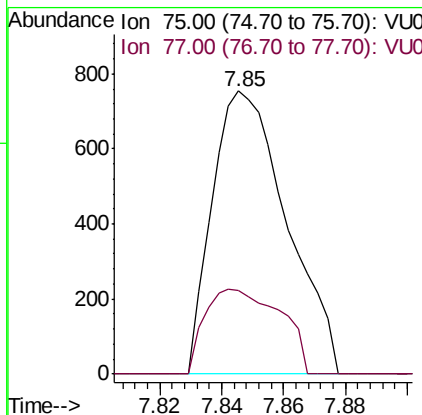
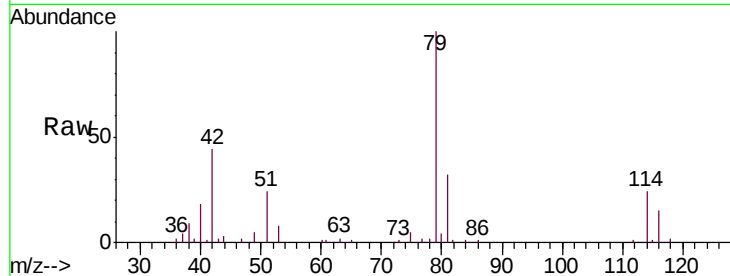




#44
trans-1,3-Dichloropropene
Concen: 0.736 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032674.D
Acq: 12 Jun 2019 23:45

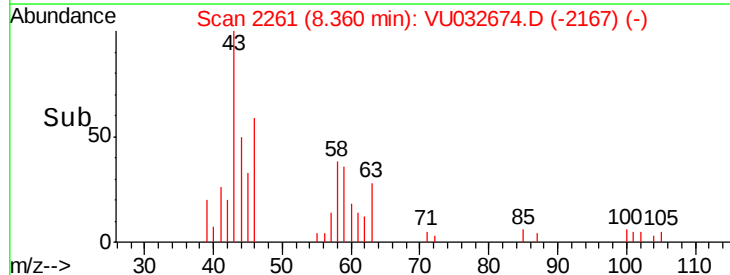
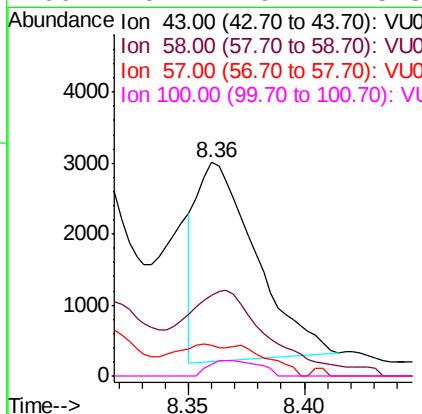
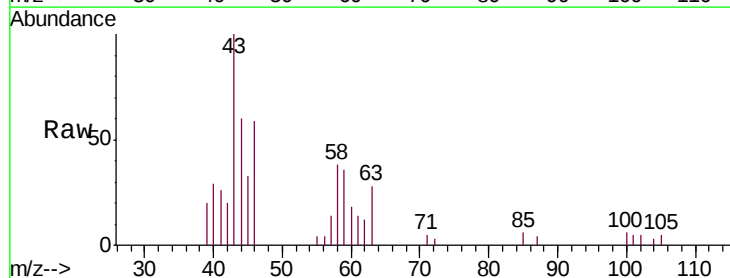
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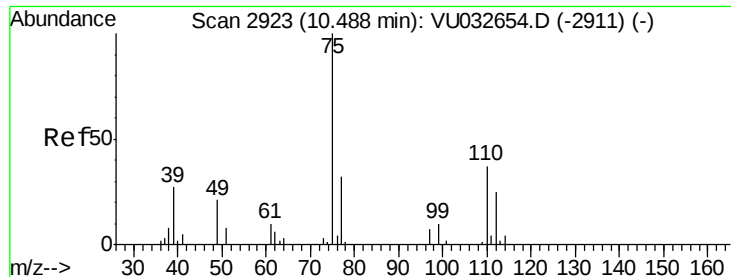
Tgt Ion: 75 Resp: 1261
Ion Ratio Lower Upper
75 100
77 29.6 22.1 41.1



#48
2-Hexanone
Concen: 3.074 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032674.D
Acq: 12 Jun 2019 23:45

Tgt Ion: 43 Resp: 4971
Ion Ratio Lower Upper
43 100
58 48.7 42.0 63.0
57 4.3 14.6 22.0#
100 6.7 9.2 13.8#





#59
 1,2,3-Trichloropropane
 Concen: 6.351 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032674.D
 Acq: 12 Jun 2019 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion: 75 Resp: 10104
 Ion Ratio Lower Upper
 75 100
 77 37.4 25.6 38.4

