

Data File : VU036662.D
Acq On : 01 Feb 2020 00:18
Operator : JC/MD
Sample : L1326-03 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBCS5

Quant Time: Feb 01 00:54:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 01 00:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	272497	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	250908	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	100664	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	122737	49.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.82%
7) Chloroethane-d5	1.93	69	101560	50.77	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.54%
11) 1,1-Dichloroethene-d2	2.59	63	148549	38.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.42%
21) 2-Butanone-d5	4.68	46	144602	94.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.54%
24) Chloroform-d	5.11	84	177337	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.36%
26) 1,2-Dichloroethane-d4	5.75	65	123193	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.18%
32) Benzene-d6	5.77	84	398154	52.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.82%
36) 1,2-Dichloropropane-d6	6.73	67	131091	51.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.98%
41) Toluene-d8	7.93	98	360822	51.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.96%
43) trans-1,3-Dichloropropene-	8.21	79	60032	49.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.88%
47) 2-Hexanone-d5	8.66	63	149874	107.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.70%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	180969	51.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	110713	52.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.36%

Target Compounds

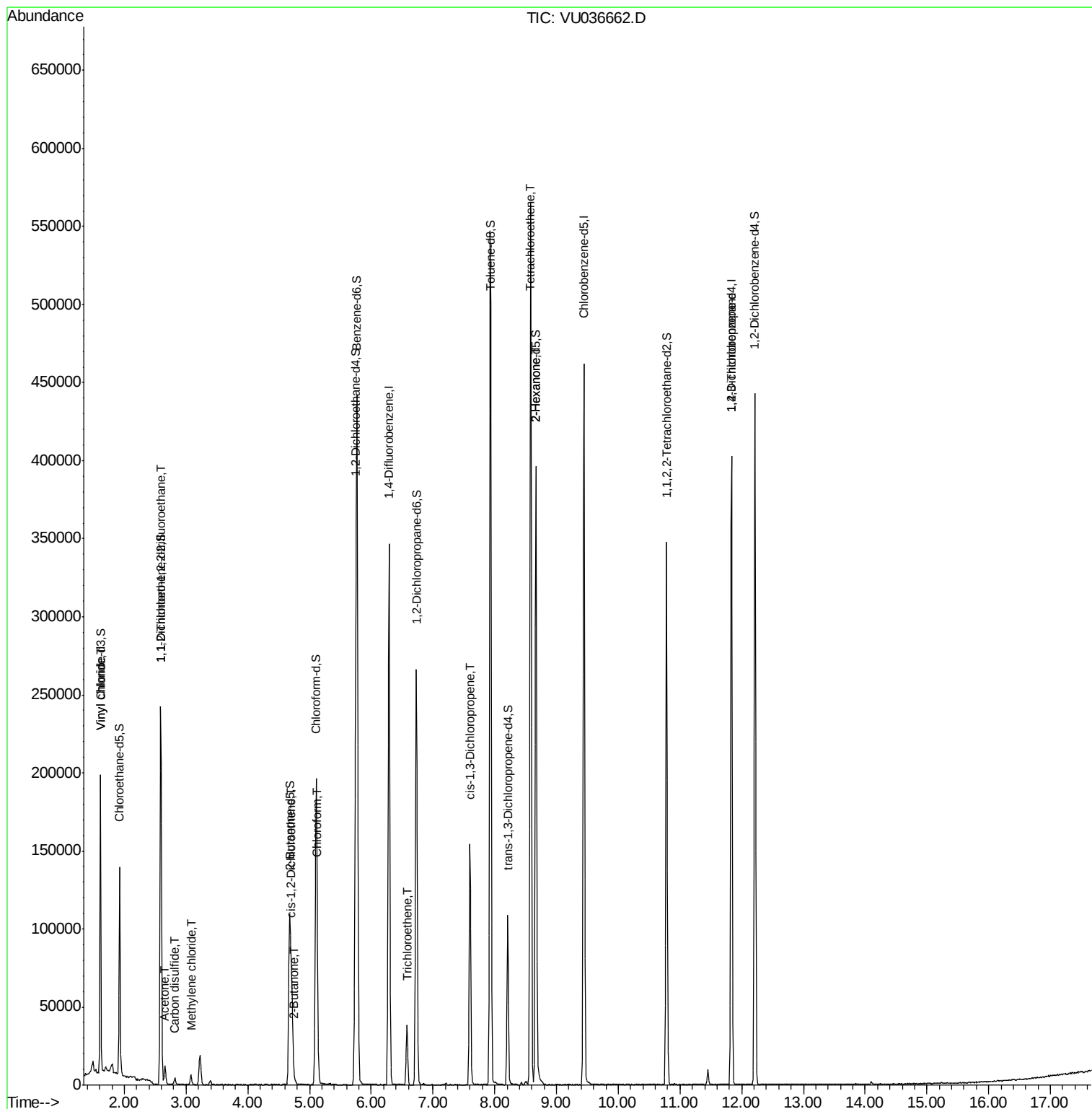
					Qvalue	
5) Vinyl chloride	1.62	62	5463	2.024	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1244	0.732	ug/L #	22
13) Acetone	2.66	43	12762	9.812	ug/L	99
14) Carbon disulfide	2.82	76	5641	1.069	ug/L	99
16) Methylene chloride	3.08	84	3067	1.411	ug/L	91
20) cis-1,2-Dichloroethene	4.71	96	21397	10.084	ug/L	95
22) 2-Butanone	4.75	43	3373	1.897	ug/L #	55
25) Chloroform	5.13	83	13026	3.692	ug/L	98
34) Trichloroethene	6.58	95	12898	6.632	ug/L	98
39) cis-1,3-Dichloropropene	7.60	75	3763	1.097	ug/L #	70
46) Tetrachloroethene	8.58	164	119372	83.403	ug/L	99
48) 2-Hexanone	8.67	43	15206	5.997	ug/L #	66
59) 1,2,3-Trichloropropane	11.84	75	13709	4.765	ug/L #	88

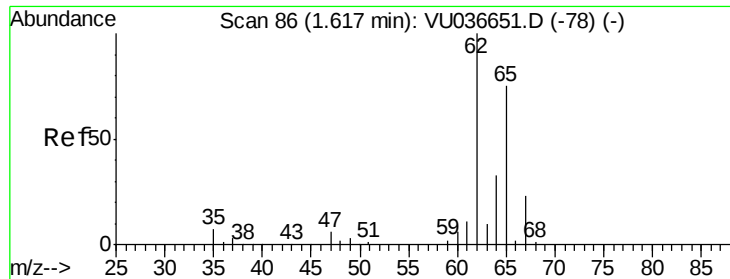
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Feb 01 00:19:17 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.024 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036662.D

Acq: 01 Feb 2020 00:18

Instrument :

MSVOA_U

ClientSampleId :

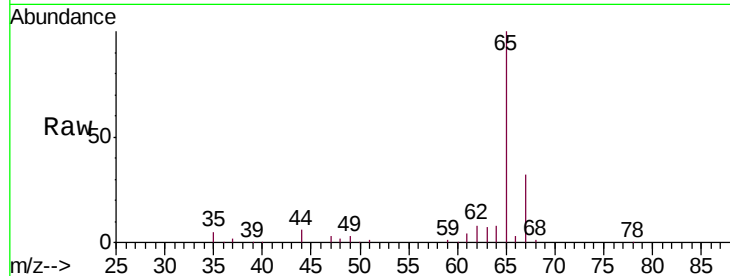
DBCS5

Tgt Ion: 62 Resp: 5463

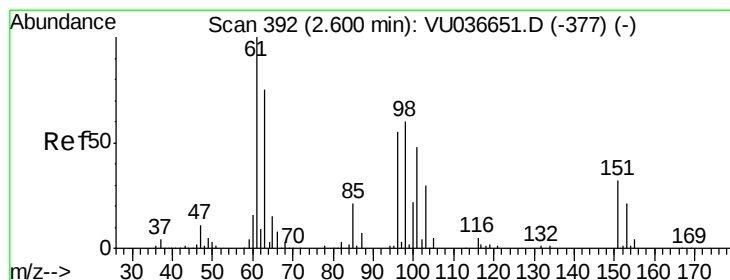
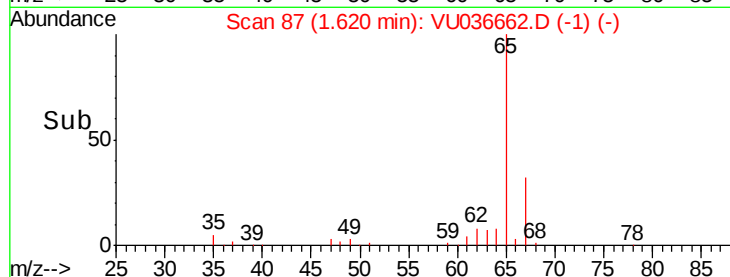
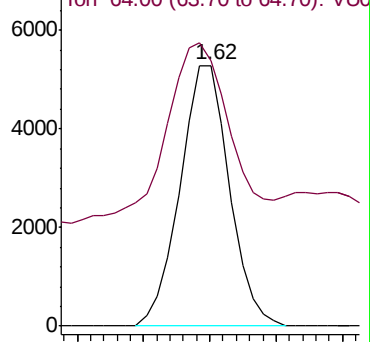
Ion Ratio Lower Upper

62 100

64 101.9 24.7 45.9#



Abundance Ion 62.00 (61.70 to 62.70): VU036662.D (-1) (-)



#10

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

Concen: 0.732 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU036662.D

Acq: 01 Feb 2020 00:18

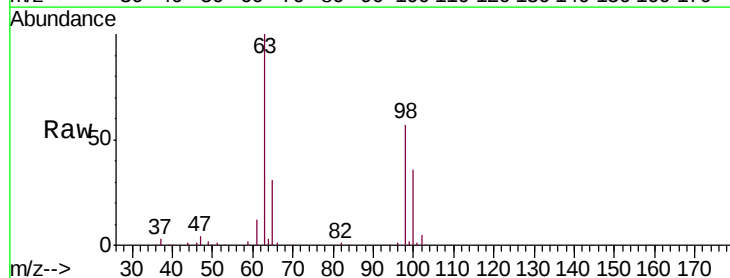
Tgt Ion: 101 Resp: 1244

Ion Ratio Lower Upper

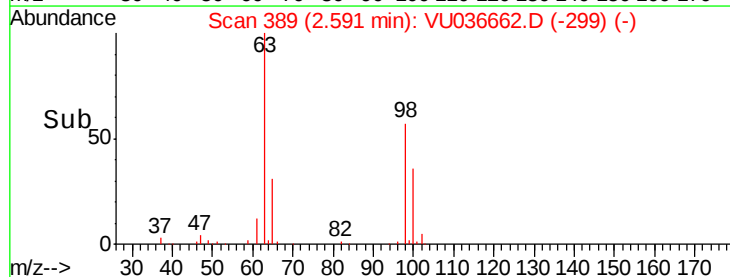
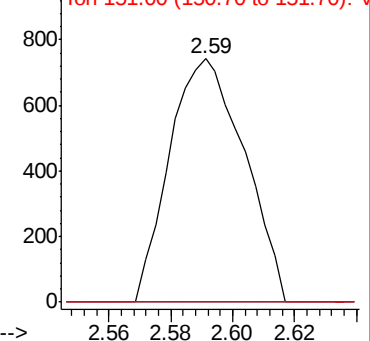
101 100

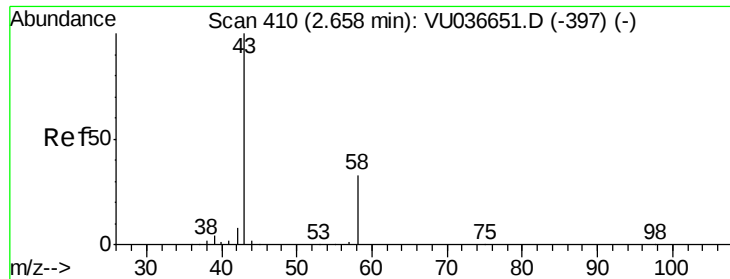
85 0.0 35.8 53.8#

151 0.0 54.7 82.1#



Abundance Ion 101.00 (100.70 to 101.70): VU036662.D (-299) (-)





#13

Acetone

Concen: 9.812 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036662.D

Acq: 01 Feb 2020 00:18

Instrument :

MSVOA_U

ClientSampleId :

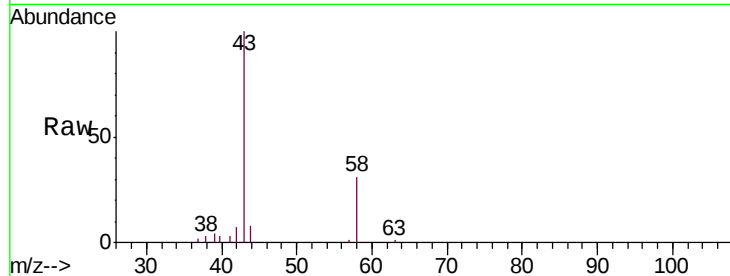
DBCS5

Tgt Ion: 43 Resp: 12762

Ion Ratio Lower Upper

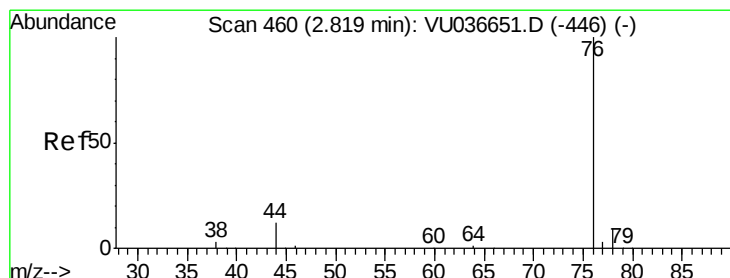
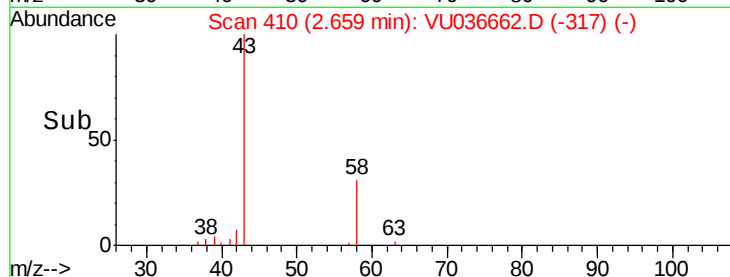
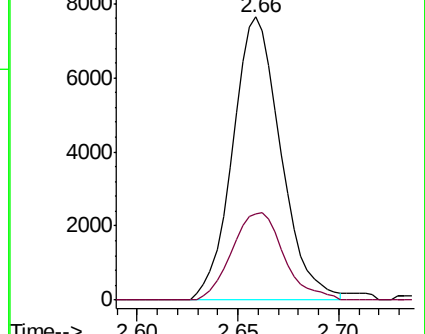
43 100

58 33.3 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VU036662.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VU036662.D (-317) (-)



#14

Carbon disulfide

Concen: 1.069 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036662.D

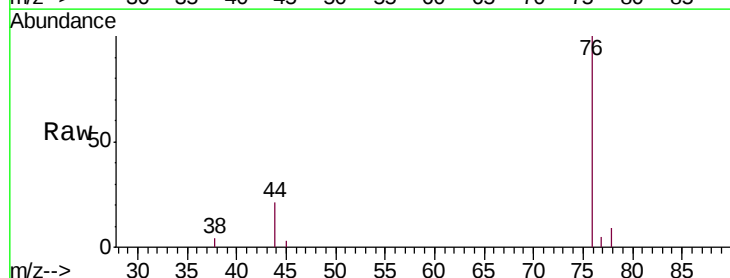
Acq: 01 Feb 2020 00:18

Tgt Ion: 76 Resp: 5641

Ion Ratio Lower Upper

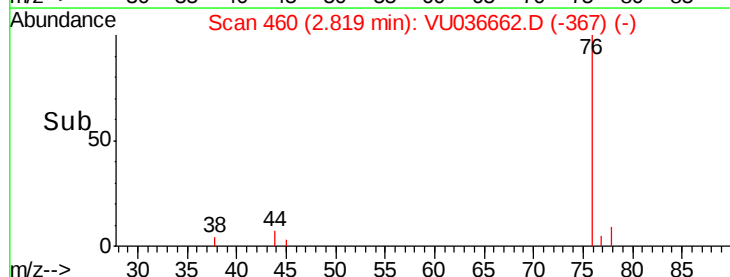
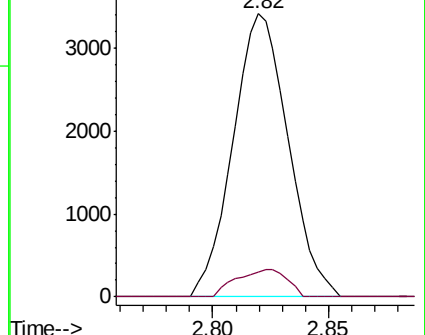
76 100

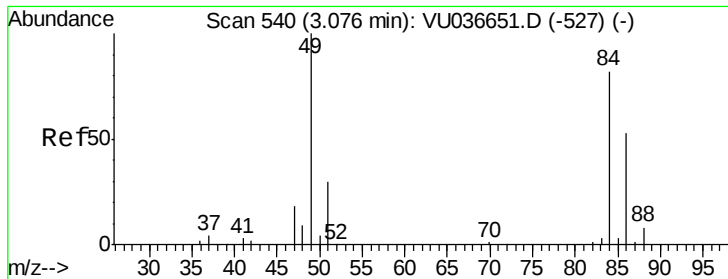
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU036662.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036662.D (-367) (-)

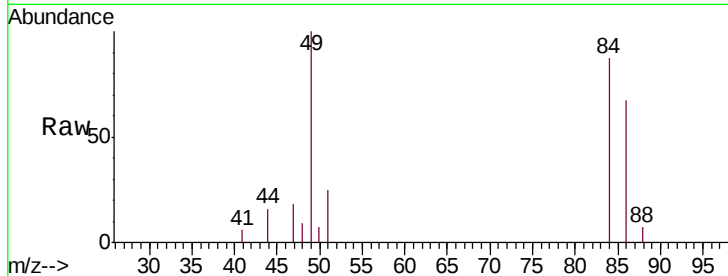




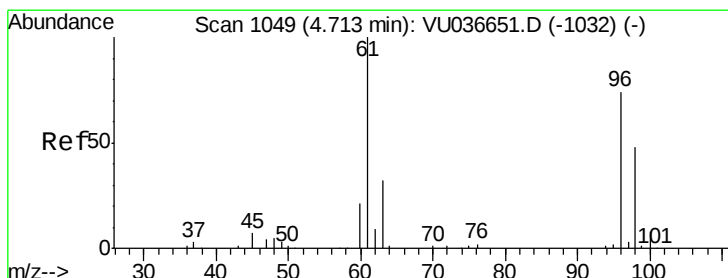
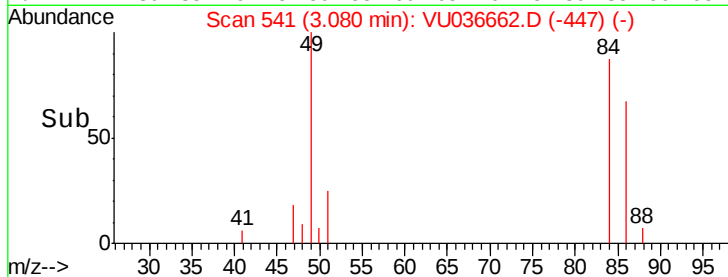
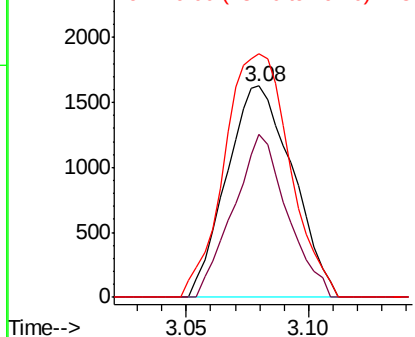
#16
Methylene chloride
Concen: 1.411 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036662.D
Acq: 01 Feb 2020 00:18

Instrument :
MSVOA_U
ClientSampled :
DBCS5

Tgt Ion: 84 Resp: 3067
Ion Ratio Lower Upper
84 100
86 76.8 45.1 83.9
49 115.1 85.3 158.3

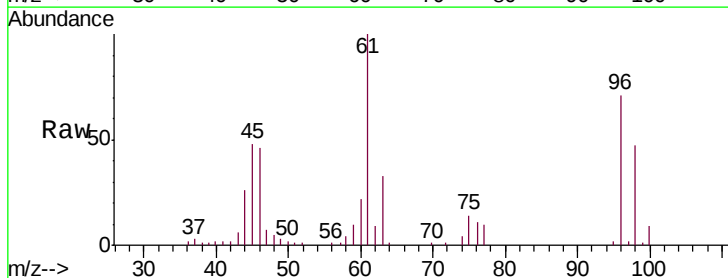


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

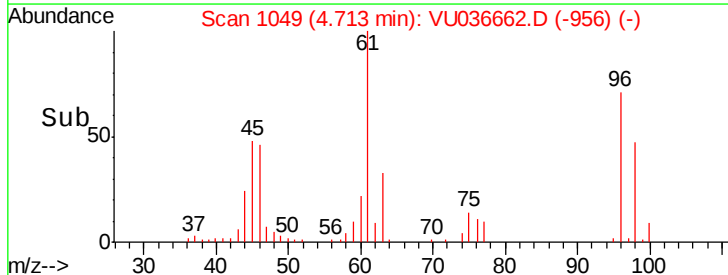
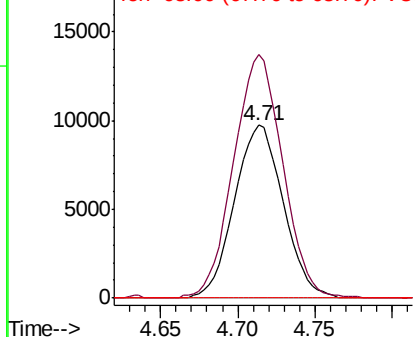


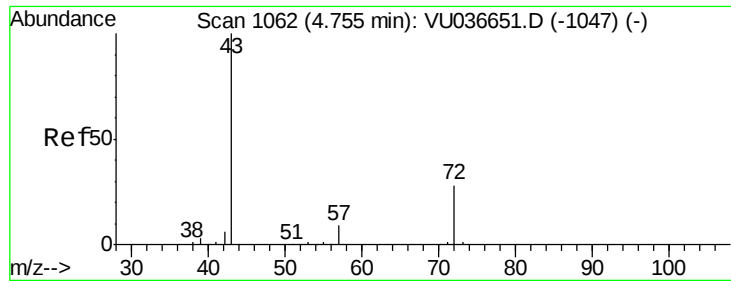
#20
cis-1,2-Dichloroethene
Concen: 10.084 ug/L
RT: 4.71 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU036662.D
Acq: 01 Feb 2020 00:18

Tgt Ion: 96 Resp: 21397
Ion Ratio Lower Upper
96 100
61 141.0 94.9 176.3
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 1.897 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VU036662.D

Acq: 01 Feb 2020 00:18

Instrument :

MSVOA_U

ClientSampleId :

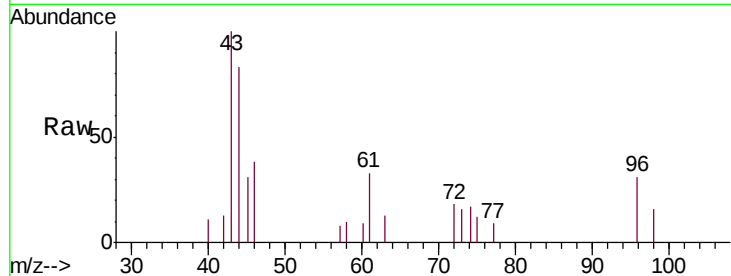
DBCS5

Tgt Ion: 43 Resp: 3373

Ion Ratio Lower Upper

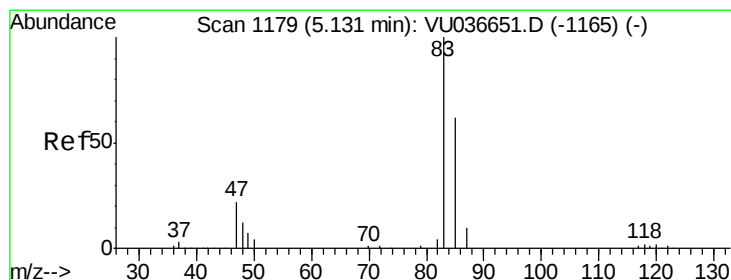
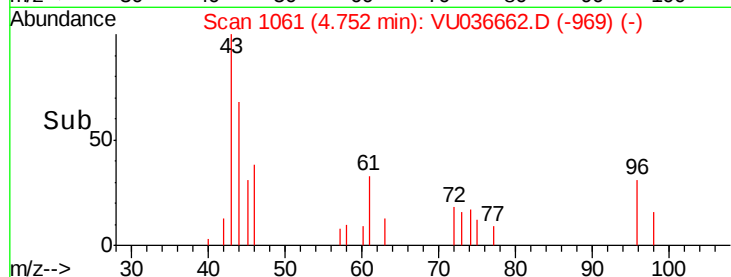
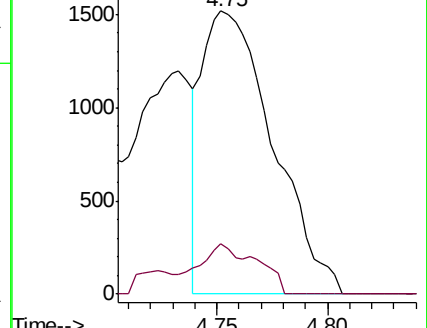
43 100

72 4.9 14.6 44.0#



Abundance Ion 43.00 (42.70 to 43.70): VU036651.D (-1047) (-)

Ion 72.00 (71.70 to 72.70): VU036651.D (-1047) (-)



#25

Chloroform

Concen: 3.692 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VU036662.D

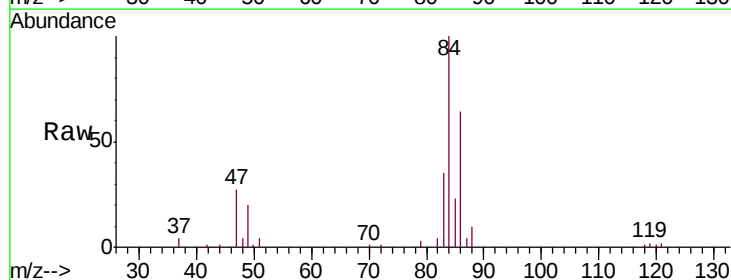
Acq: 01 Feb 2020 00:18

Tgt Ion: 83 Resp: 13026

Ion Ratio Lower Upper

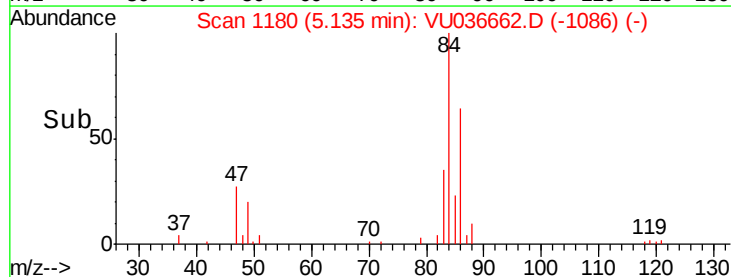
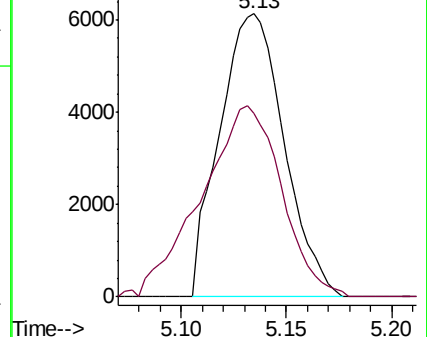
83 100

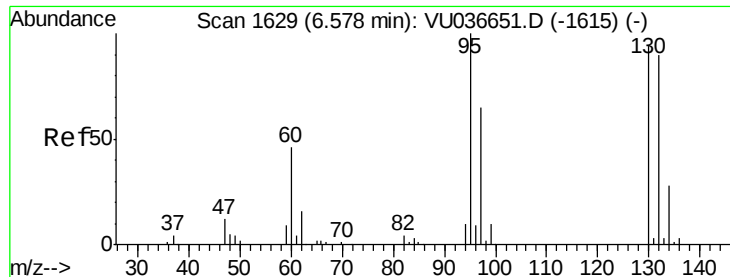
85 64.8 44.3 82.3



Abundance Ion 83.00 (82.70 to 83.70): VU036651.D (-1165) (-)

Ion 85.00 (84.70 to 85.70): VU036651.D (-1165) (-)





#34

Trichloroethene

Concen: 6.632 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036662.D

Acq: 01 Feb 2020 00:18

Instrument :

MSVOA_U

ClientSampleId :

DBCS5

Tgt Ion: 95 Resp: 12898

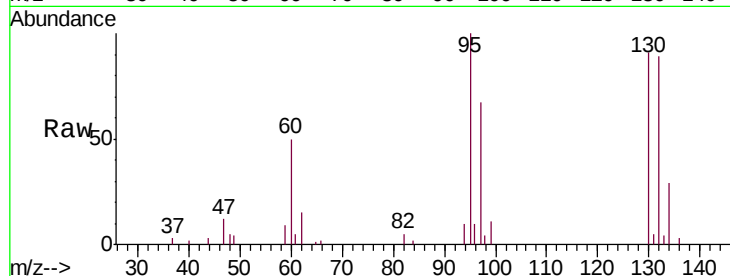
Ion Ratio Lower Upper

95 100

97 66.7 45.4 84.4

132 89.1 63.2 117.4

130 90.9 65.9 122.3

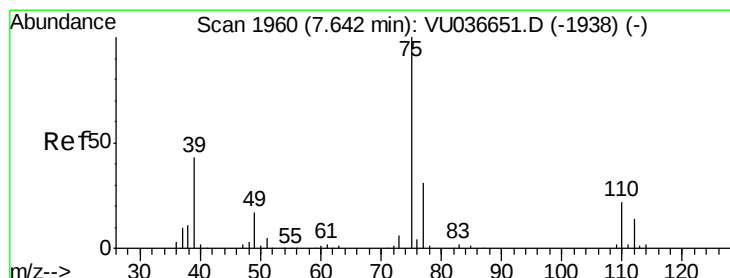
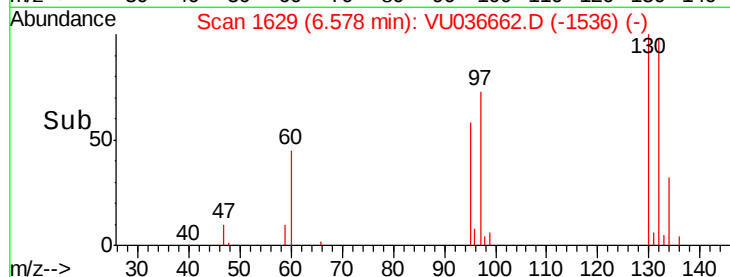
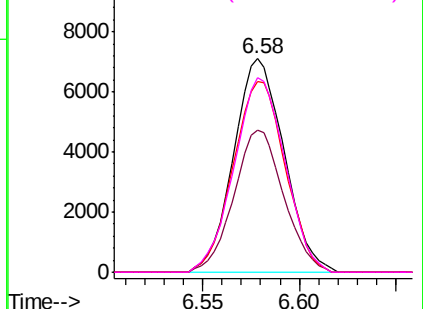


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#39

cis-1,3-Dichloropropene

Concen: 1.097 ug/L

RT: 7.60 min Scan# 1946

Delta R.T. -0.04 min

Lab File: VU036662.D

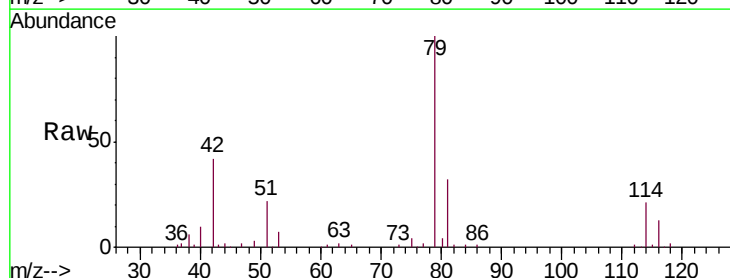
Acq: 01 Feb 2020 00:18

Tgt Ion: 75 Resp: 3763

Ion Ratio Lower Upper

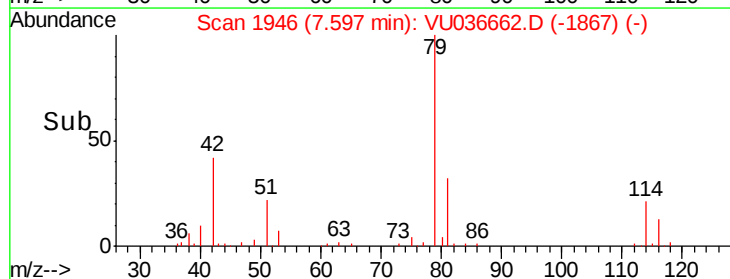
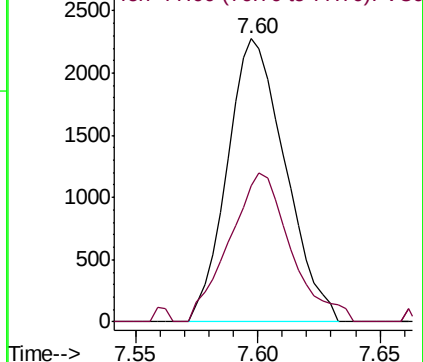
75 100

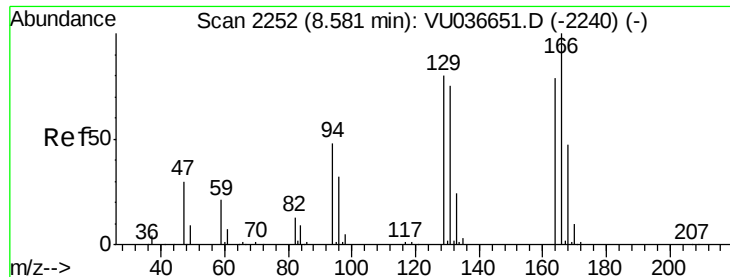
77 48.0 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#46

Tetrachloroethene

Concen: 83.403 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036662.D

Acq: 01 Feb 2020 00:18

Instrument :

MSVOA_U

ClientSampleId :

DBCS5

Tgt Ion:164 Resp: 119372

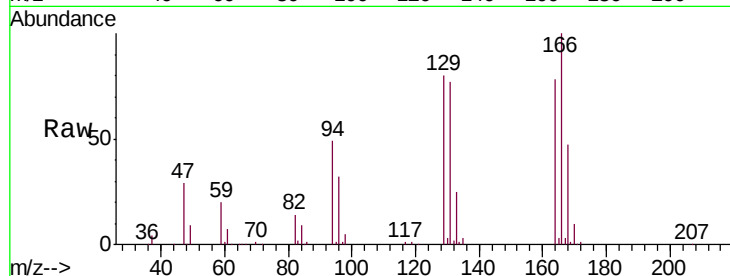
Ion Ratio Lower Upper

164 100

129 102.2 71.1 132.1

131 98.1 66.9 124.3

166 127.8 89.0 165.4

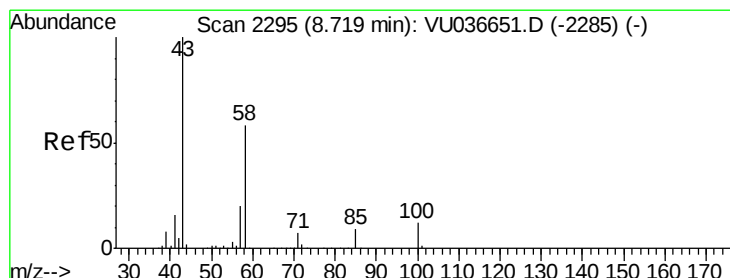
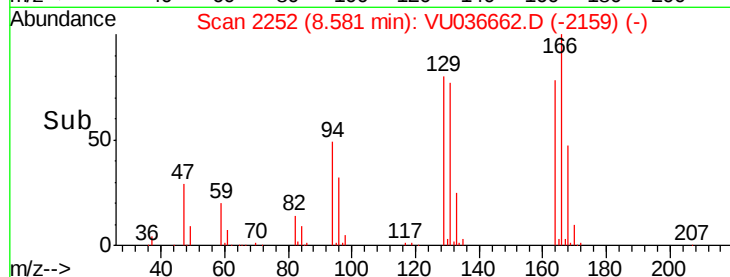
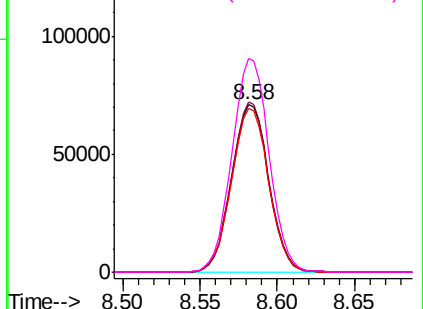


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.997 ug/L

RT: 8.67 min Scan# 2279

Delta R.T. -0.05 min

Lab File: VU036662.D

Acq: 01 Feb 2020 00:18

Tgt Ion: 43 Resp: 15206

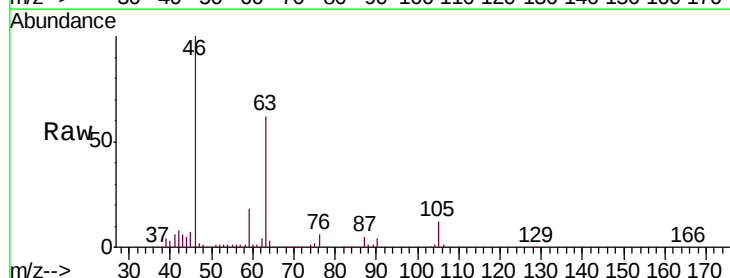
Ion Ratio Lower Upper

43 100

58 24.5 46.2 69.2#

57 21.9 16.3 24.5

100 0.0 9.8 14.6#

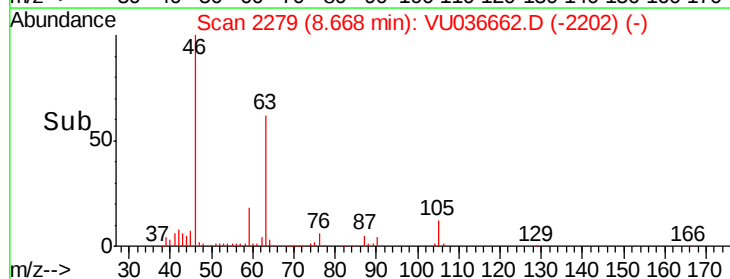
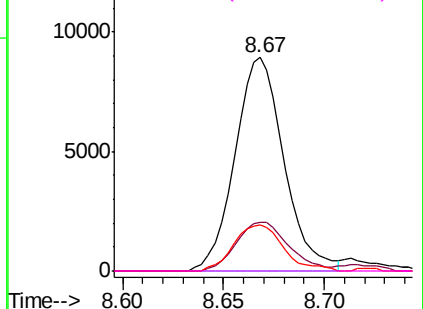


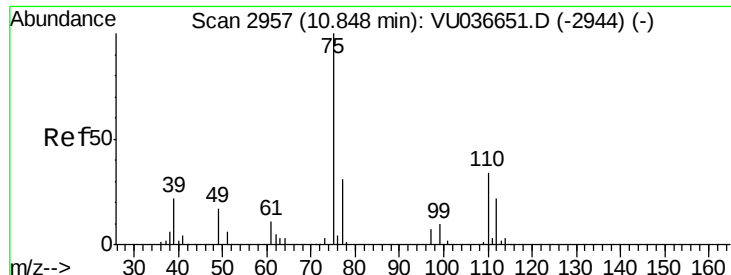
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 4.765 ug/L

RT: 11.84 min Scan# 3264

Delta R.T. 0.99 min

Lab File: VU036662.D

Acq: 01 Feb 2020 00:18

Instrument :

MSVOA_U

ClientSampleId :

DBCS5

Tgt Ion: 75 Resp: 13709

Ion Ratio Lower Upper

75 100

77 38.0 25.2 37.8#

