

Data File : VU031481.D
Acq On : 24 Apr 2019 19:31
Operator : JC/SP
Sample : K2517-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHZ0

Quant Time: Apr 25 06:10:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 06:05:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	315020	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	308340	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	115196	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	133266	5.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.60%
7) Chloroethane-d5	1.68	69	100165	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.27	63	195348	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.40%
20) 2-Butanone-d5	4.19	46	379047	56.06	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.12%
24) Chloroform-d	4.64	84	224348	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
26) 1,2-Dichloroethane-d4	5.31	65	128358	6.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.60%
32) Benzene-d6	5.33	84	443693	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.33	67	150445	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.60%
41) Toluene-d8	7.56	98	350691	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.85	79	50274	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.31	63	247765	47.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.20%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	115599	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	113480	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

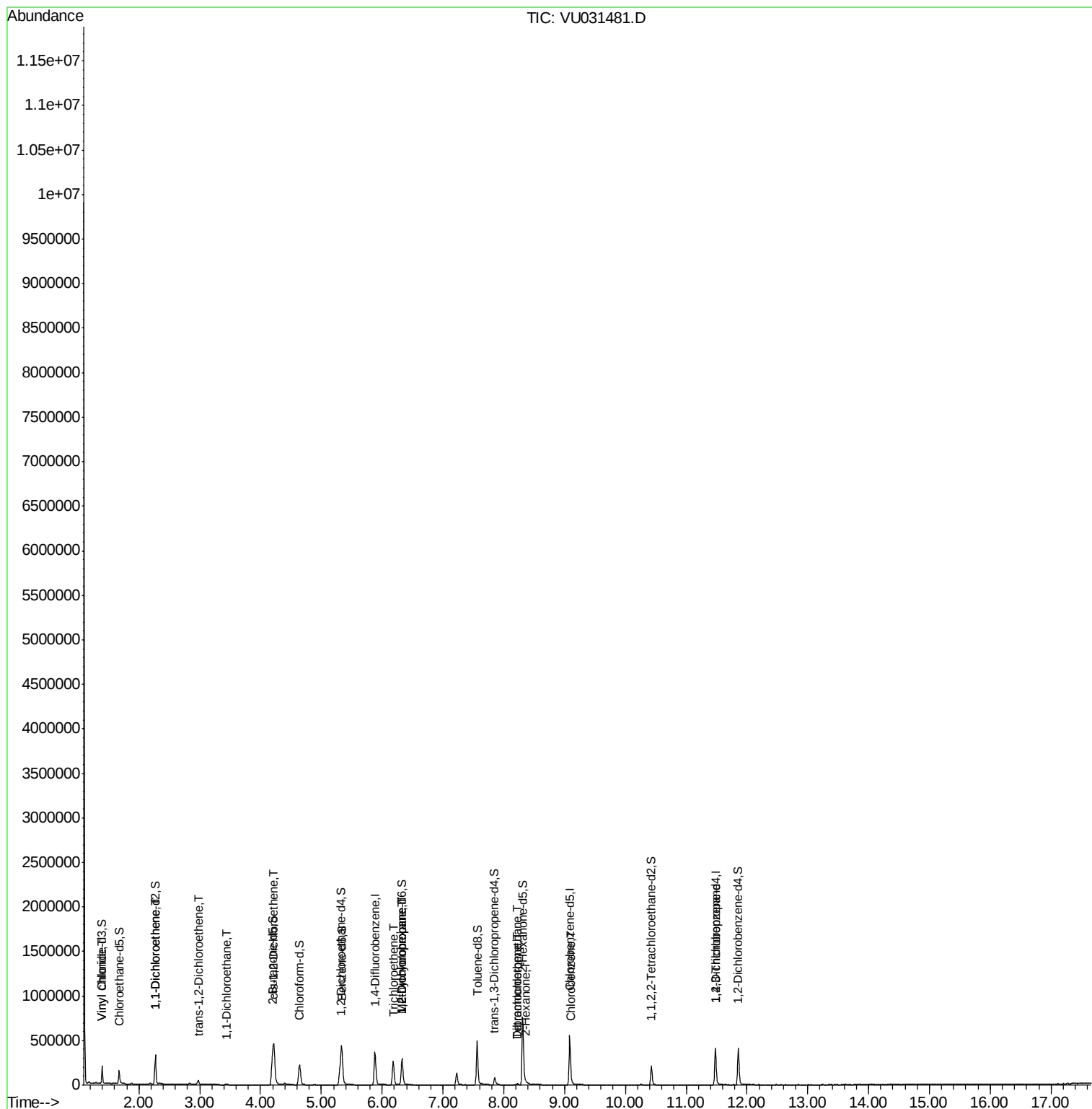
						Qvalue
5) Vinyl chloride	1.40	62	3656	0.111	ug/L #	6
12) 1,1-Dichloroethene	2.28	96	4532	0.207	ug/L #	1
18) trans-1,2-Dichloroethene	2.97	96	14456	0.627	ug/L	95
19) 1,1-Dichloroethane	3.44	63	9141	0.208	ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	208715	8.751	ug/L	93
34) Trichloroethene	6.18	95	102607	4.086	ug/L	95
35) Methylcyclohexane	6.33	83	34066	0.917	ug/L #	14
37) 1,2-Dichloropropane	6.32	63	15111	0.592	ug/L #	91
47) Tetrachloroethene	8.22	164	2999	0.171	ug/L	89
48) 2-Hexanone	8.37	43	14151	1.155	ug/L #	47
49) Dibromochloromethane	8.23	129	3065	0.157	ug/L #	9
51) Chlorobenzene	9.11	112	7675	0.132	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	14279	0.888	ug/L	95

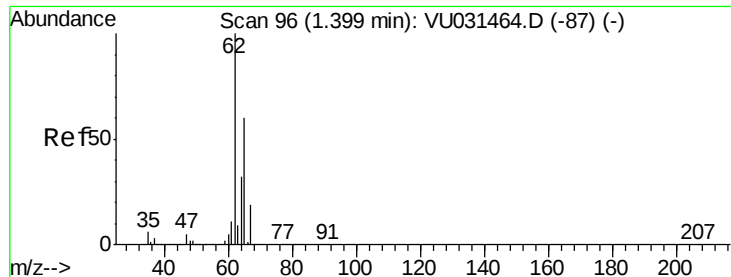
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.111 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031481.D

Acq: 24 Apr 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

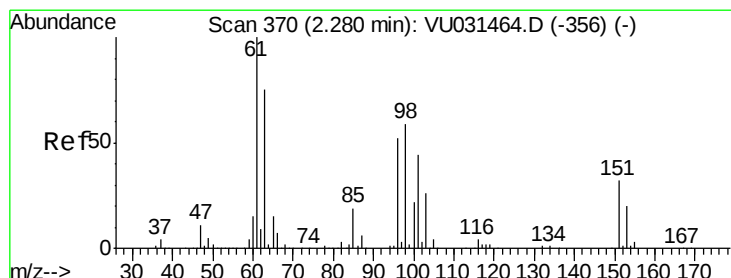
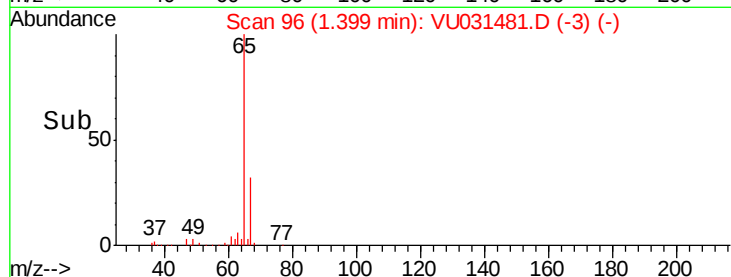
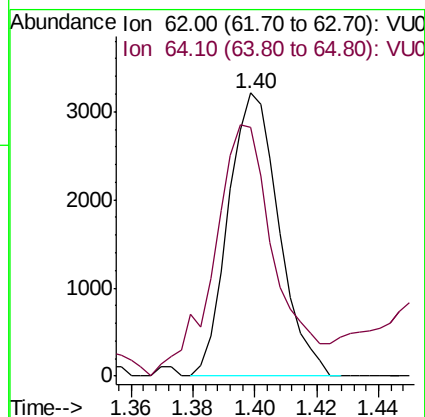
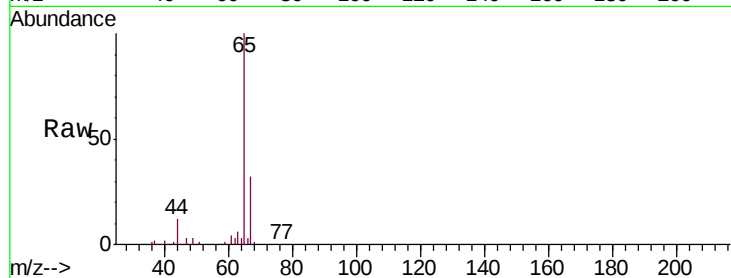
GAHZ0

Tgt Ion: 62 Resp: 3656

Ion Ratio Lower Upper

62 100

64 88.1 23.9 44.5#



#12

1,1-Dichloroethene

Concen: 0.207 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031481.D

Acq: 24 Apr 2019 19:31

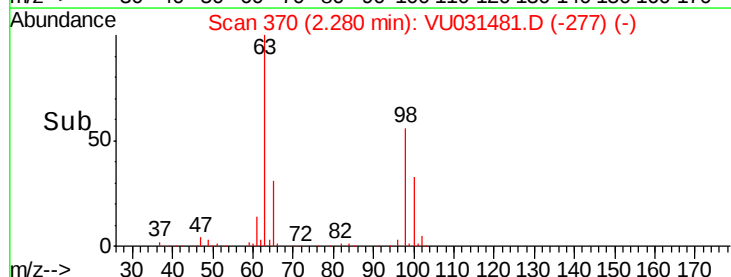
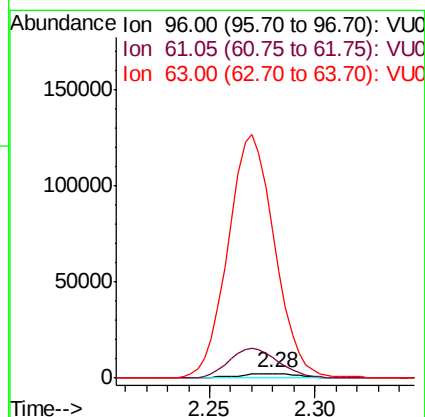
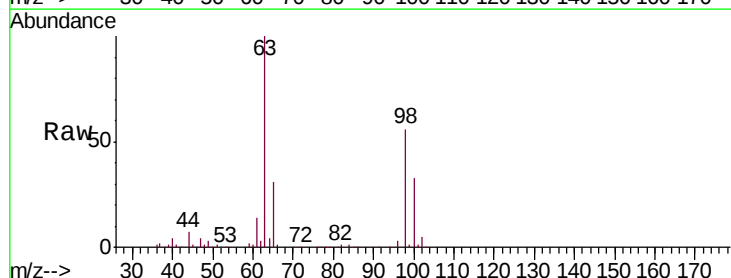
Tgt Ion: 96 Resp: 4532

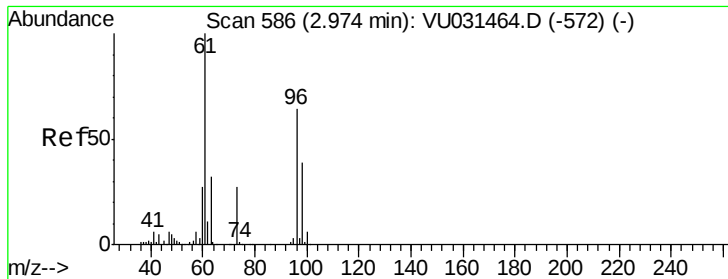
Ion Ratio Lower Upper

96 100

61 423.5 131.3 243.8#

63 3064.9 101.9 189.3#





#18

trans-1,2-Dichloroethene

Concen: 0.627 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU031481.D

Acq: 24 Apr 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

GAHZ0

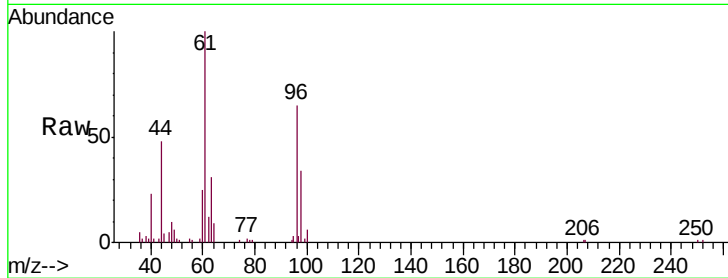
Tgt Ion: 96 Resp: 14456

Ion Ratio Lower Upper

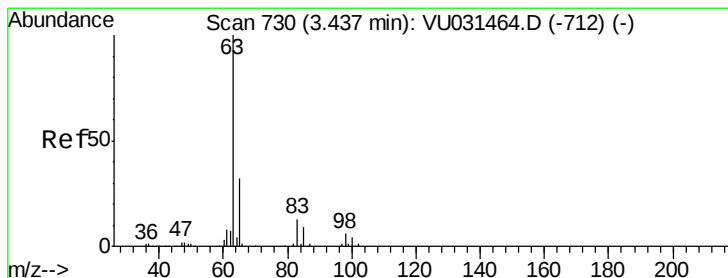
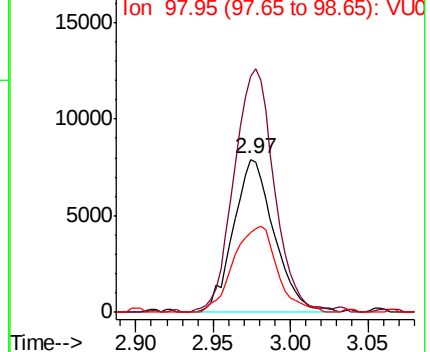
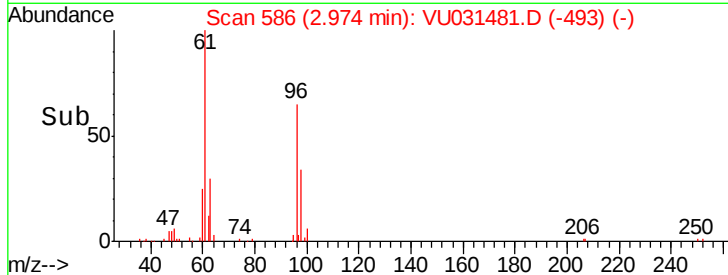
96 100

61 154.1 108.4 201.2

98 51.8 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VU031481.D (-493) (-)



#19

1,1-Dichloroethane

Concen: 0.208 ug/L

RT: 3.44 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU031481.D

Acq: 24 Apr 2019 19:31

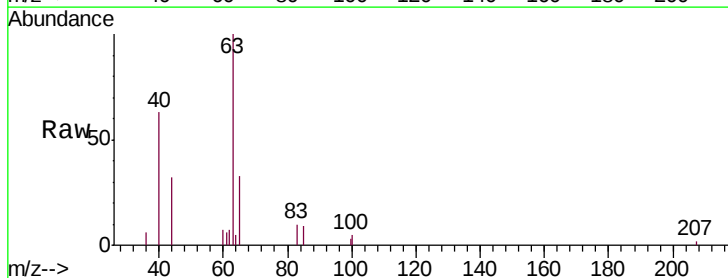
Tgt Ion: 63 Resp: 9141

Ion Ratio Lower Upper

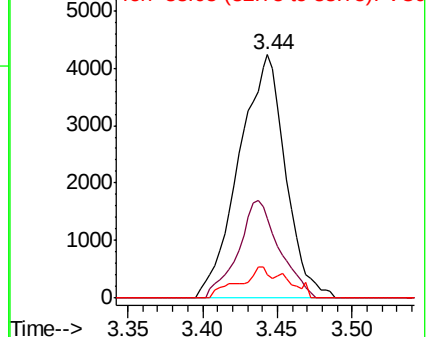
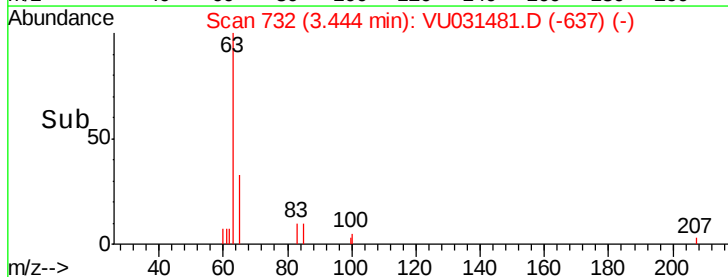
63 100

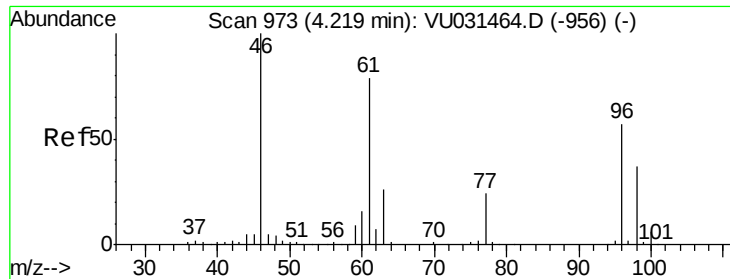
65 32.5 22.3 41.5

83 9.8 8.5 15.9



Abundance Ion 63.10 (62.80 to 63.80): VU031481.D (-637) (-)



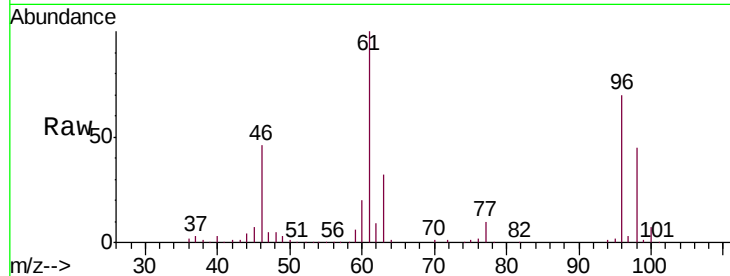


#22

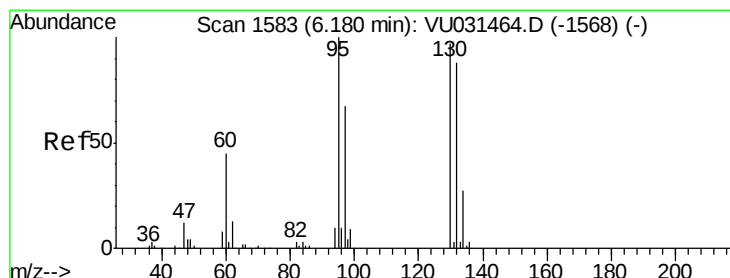
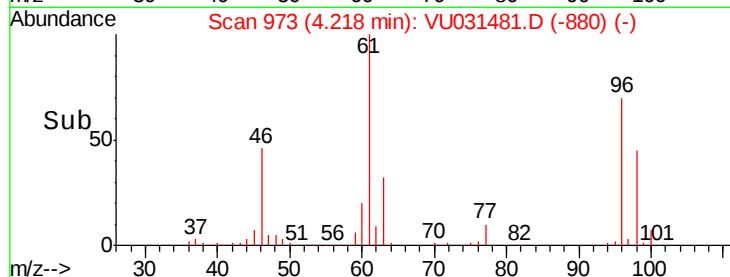
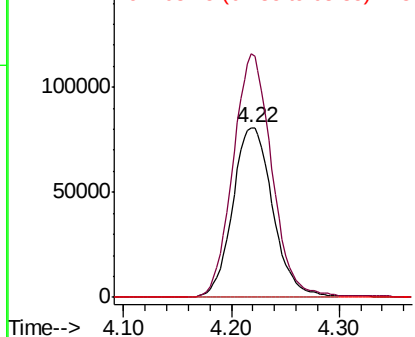
cis-1,2-Dichloroethene
Concen: 8.751 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU031481.D
Acq: 24 Apr 2019 19:31

Instrument :
MSVOA_U
ClientSampleId :
GAHZ0

Tgt Ion: 96 Resp: 208715
Ion Ratio Lower Upper
96 100
61 143.7 94.8 176.2
68 0.0 0.0 0.0



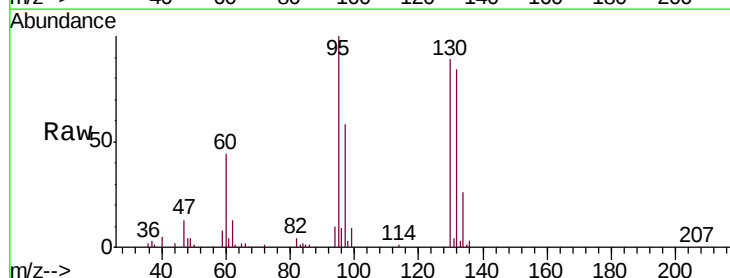
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



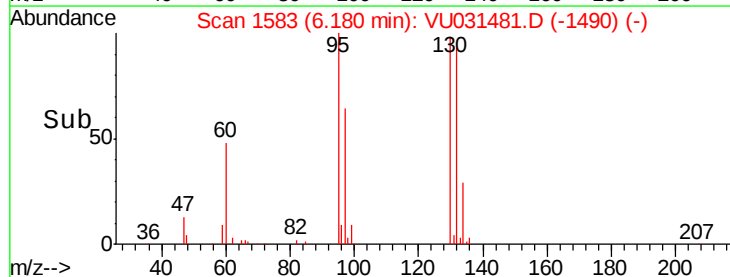
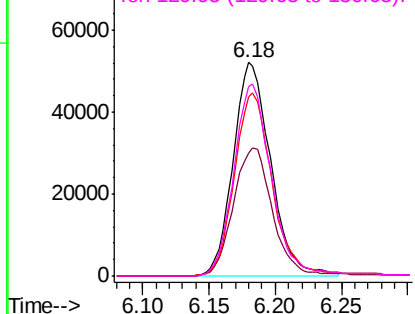
#34

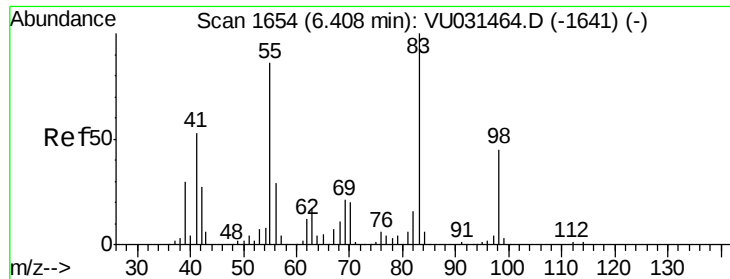
Trichloroethene
Concen: 4.086 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU031481.D
Acq: 24 Apr 2019 19:31

Tgt Ion: 95 Resp: 102607
Ion Ratio Lower Upper
95 100
97 57.6 44.3 82.3
132 84.1 59.9 111.3
130 88.7 67.1 124.5



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 0.917 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU031481.D

Acq: 24 Apr 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

GAHZ0

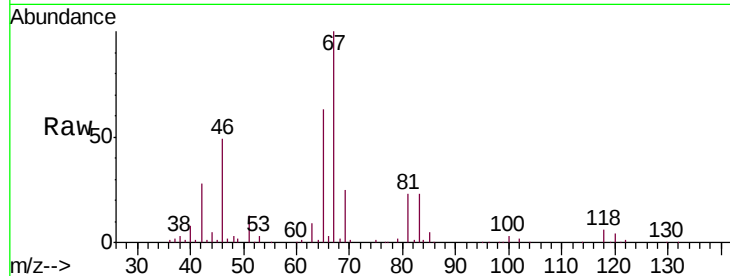
Tgt Ion: 83 Resp: 34066

Ion Ratio Lower Upper

83 100

55 0.4 71.1 106.7#

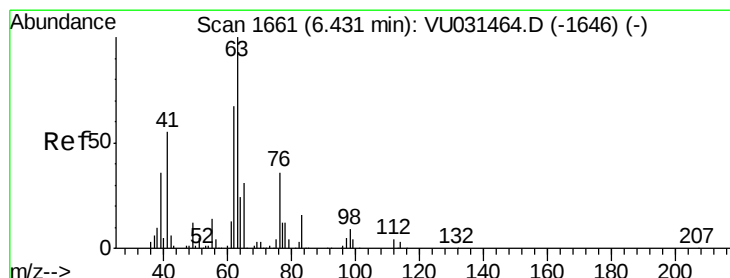
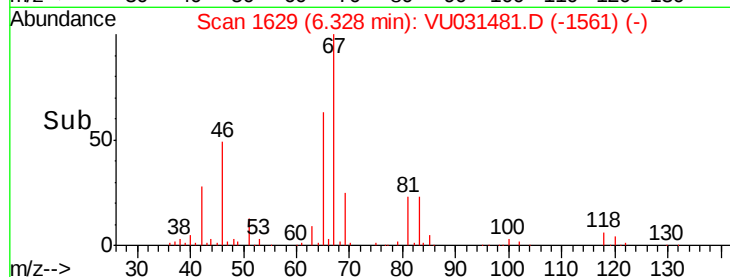
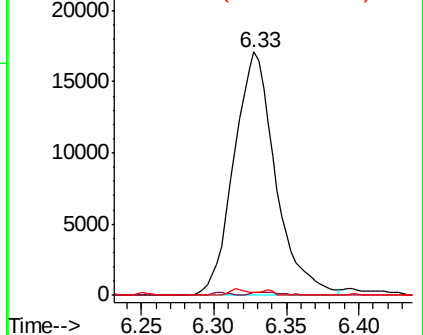
98 0.7 36.6 54.8#



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: 0.592 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.11 min

Lab File: VU031481.D

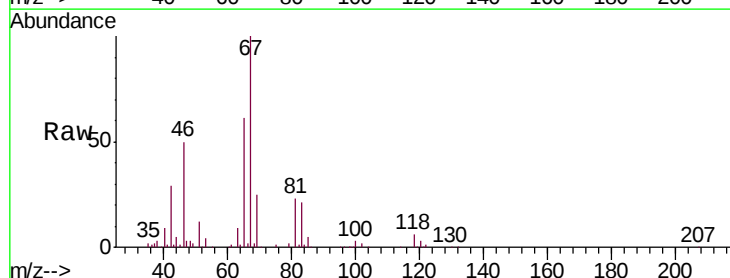
Acq: 24 Apr 2019 19:31

Tgt Ion: 63 Resp: 15111

Ion Ratio Lower Upper

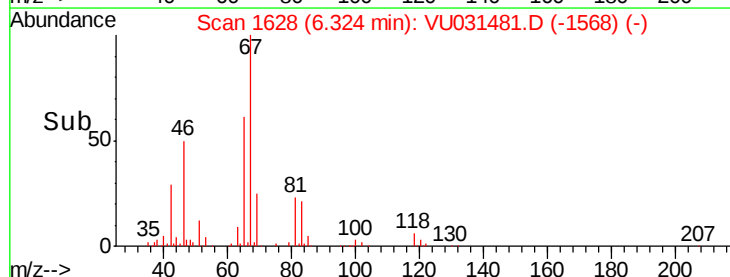
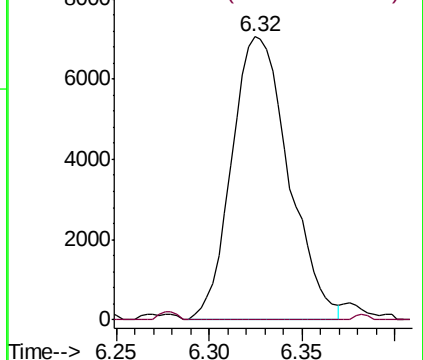
63 100

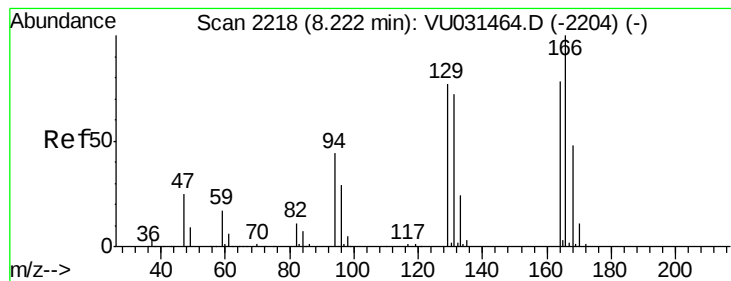
112 0.8 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 0.171 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031481.D

Acq: 24 Apr 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

GAHZ0

Tgt Ion:164 Resp: 2999

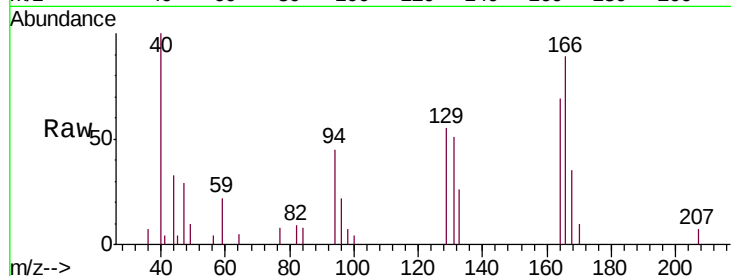
Ion Ratio Lower Upper

164 100

129 80.1 67.5 125.3

131 75.0 64.0 119.0

166 129.8 88.5 164.4

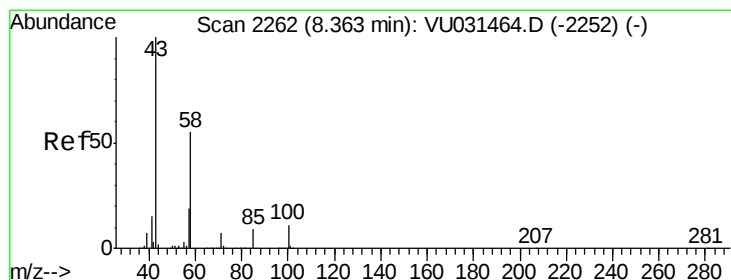
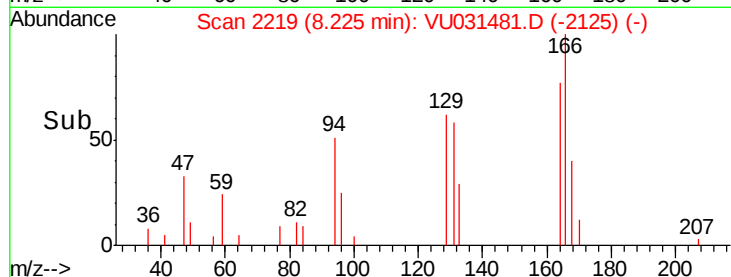
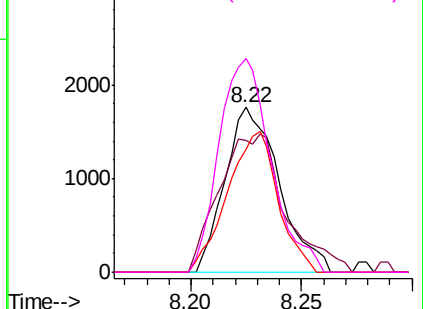


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.155 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU031481.D

Acq: 24 Apr 2019 19:31

Tgt Ion: 43 Resp: 14151

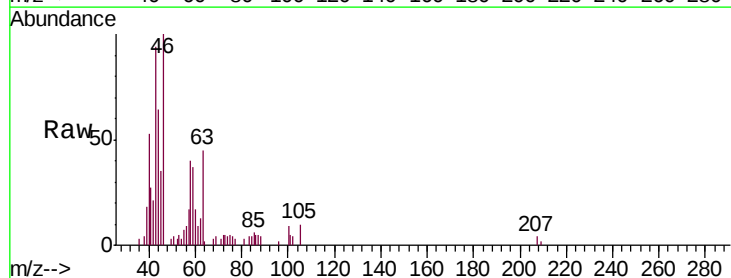
Ion Ratio Lower Upper

43 100

58 10.3 44.6 67.0#

57 0.0 15.3 22.9#

100 2.1 8.3 12.5#

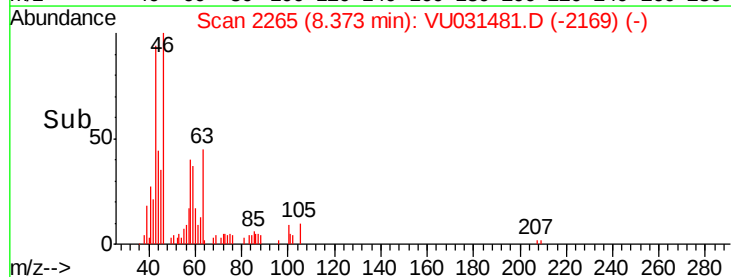
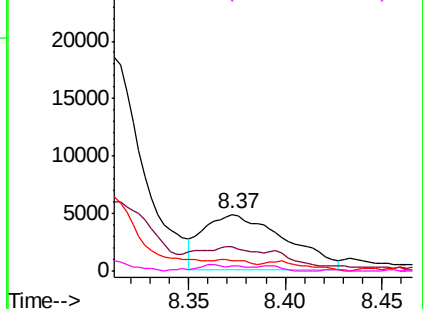


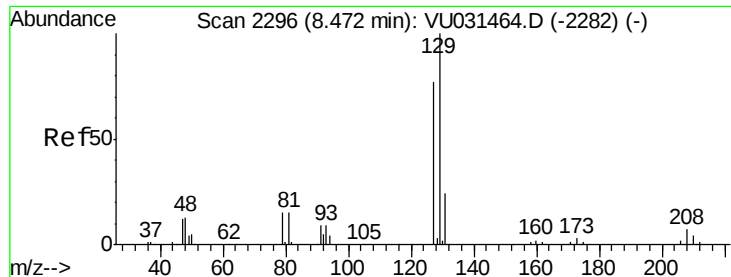
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

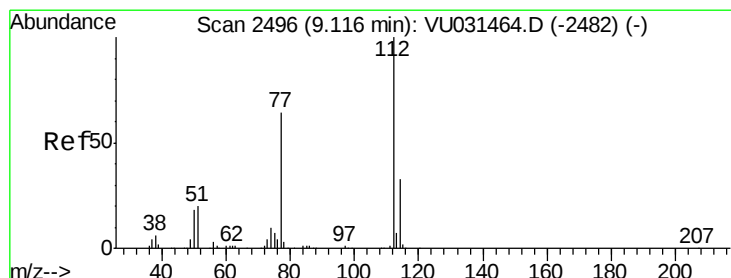
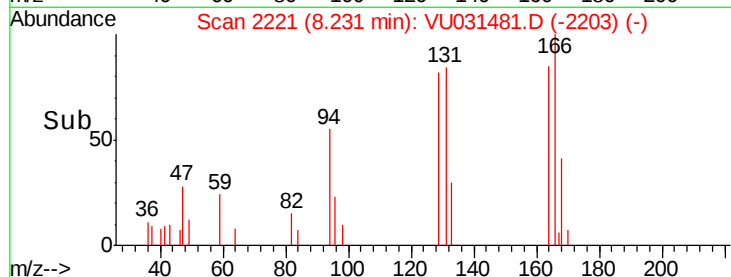
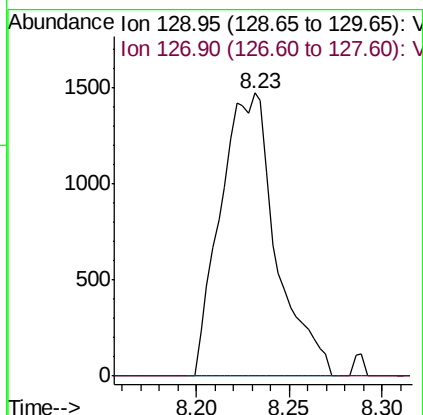
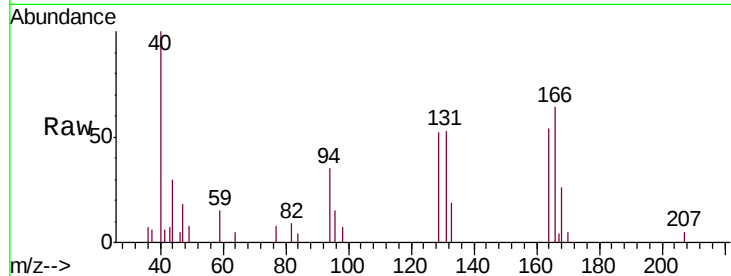




#49
Dibromochloromethane
Concen: 0.157 ug/L
RT: 8.23 min Scan# 2221
Delta R.T. -0.24 min
Lab File: VU031481.D
Acq: 24 Apr 2019 19:31

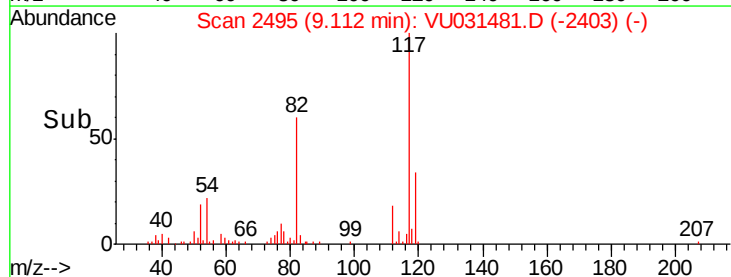
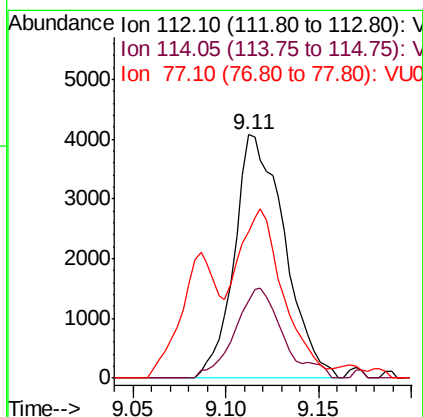
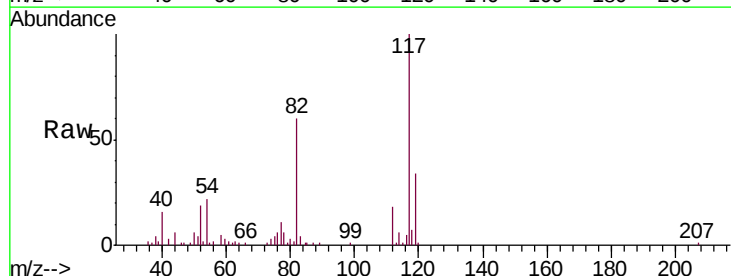
Instrument :
MSVOA_U
ClientSampleId :
GAHZ0

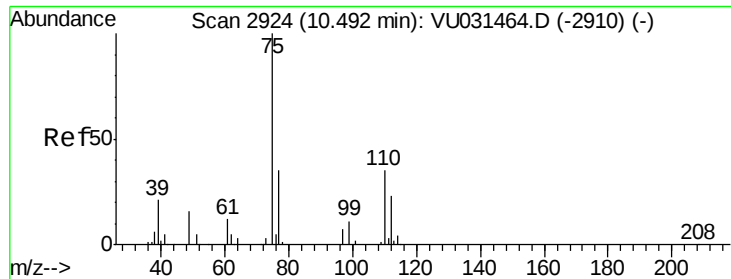
Tgt Ion:129 Resp: 3065
Ion Ratio Lower Upper
129 100
127 0.0 56.6 105.0#



#51
Chlorobenzene
Concen: 0.132 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU031481.D
Acq: 24 Apr 2019 19:31

Tgt Ion:112 Resp: 7675
Ion Ratio Lower Upper
112 100
114 31.5 21.9 40.7
77 60.1 48.9 73.3





#59

1,2,3-Trichloropropane

Concen: 0.888 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031481.D

Acq: 24 Apr 2019 19:31

Instrument :

MSVOA_U

ClientSampleId :

GAHZ0

Tgt Ion: 75 Resp: 14279

Ion Ratio Lower Upper

75 100

77 34.8 25.7 38.5

