

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\
 Data File : VV018989.D
 Acq On : 20 Oct 2020 01:09
 Operator : SY/MD
 Sample : L4430-02 40X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB1

Quant Time: Oct 20 03:25:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 03:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	294370	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	293860	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	136198	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95086	39.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.48%
7) Chloroethane-d5	1.58	69	84896	44.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.44%
11) 1,1-Dichloroethene-d2	2.12	63	153764	33.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.22%
21) 2-Butanone-d5	3.90	46	173752	102.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.87%
24) Chloroform-d	4.37	84	199831	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.06	65	138746	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.02%
32) Benzene-d6	5.07	84	373879	43.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.16%
36) 1,2-Dichloropropane-d6	6.09	67	122937	44.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.64%
41) Toluene-d8	7.34	98	323630	42.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.10%
43) trans-1,3-Dichloropropene-	7.64	79	55221	41.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.38%
47) 2-Hexanone-d5	8.11	63	83009	81.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.47%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	129744	40.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.72%
64) 1,2-Dichlorobenzene-d4	11.65	152	135045	48.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.48%

Target Compounds

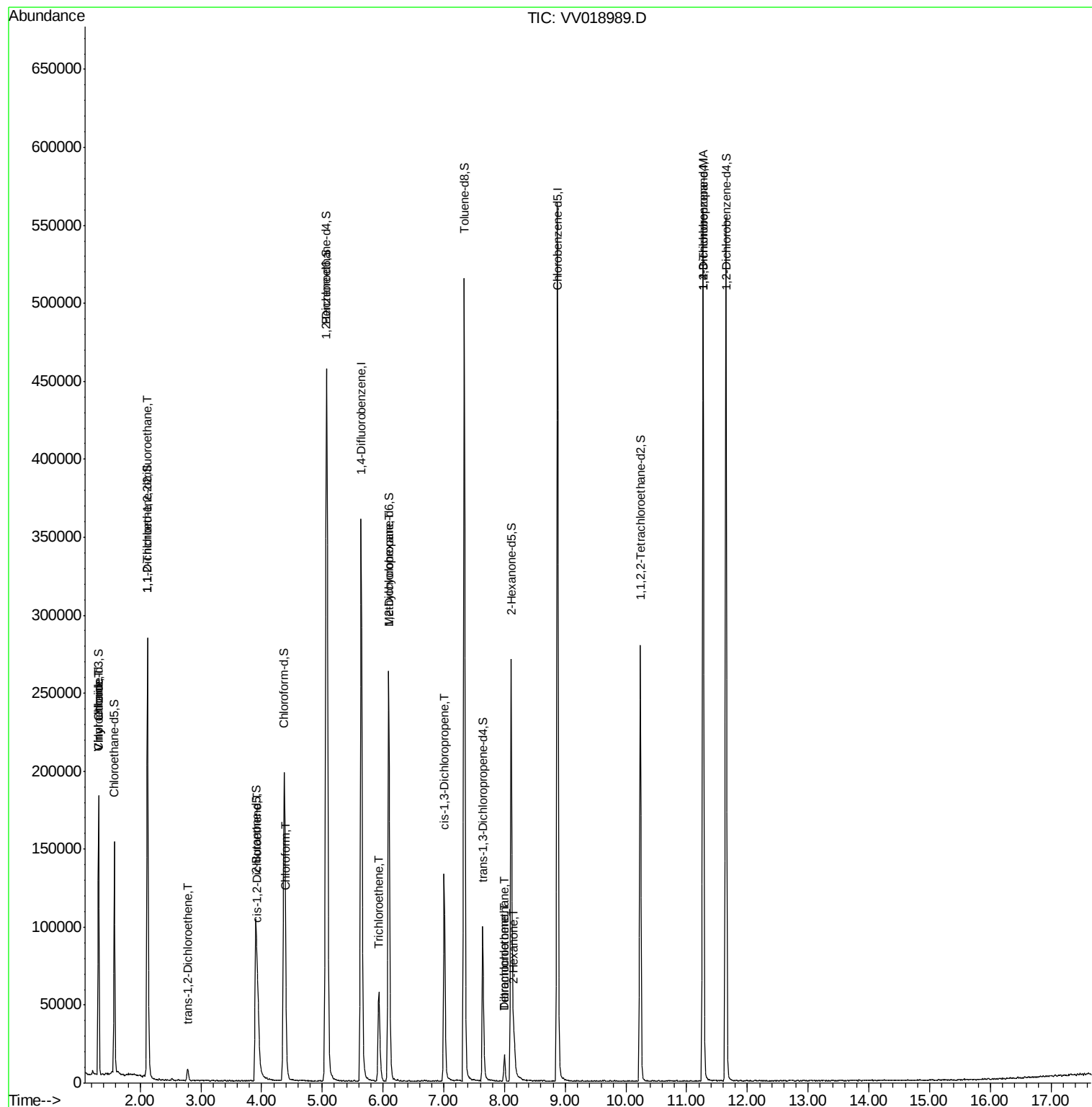
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	18257	6.571	ug/L	95
8) Chloroethane	1.32	64	6925	4.156	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1476	0.773	ug/L #	20
17) trans-1,2-Dichloroethene	2.78	96	2672	1.244	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	15943	7.002	ug/L	87
25) Chloroform	4.41	83	4941	1.176	ug/L	100
34) Trichloroethene	5.94	95	7910	3.045	ug/L	87
35) Methylcyclohexane	6.09	83	29451	9.361	ug/L #	16
39) cis-1,3-Dichloropropene	7.01	75	3431	0.947	ug/L #	69
46) Tetrachloroethene	8.00	164	3961	2.164	ug/L	87
48) 2-Hexanone	8.16	43	15616	5.922	ug/L #	86
49) Dibromochloromethane	8.00	129	3593	1.513	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	16606	5.689	ug/L #	87

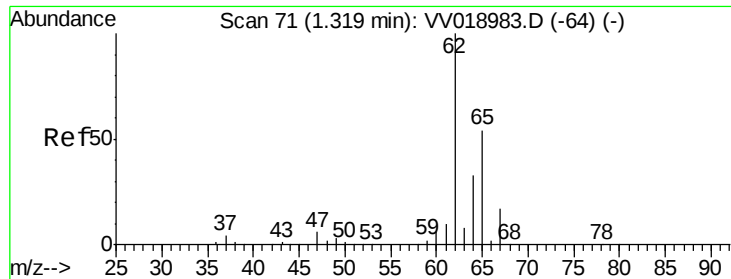
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Oct 20 03:20:26 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.571 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018989.D

Acq: 20 Oct 2020 01:09

Instrument :

MSVOA_V

ClientSampleId :

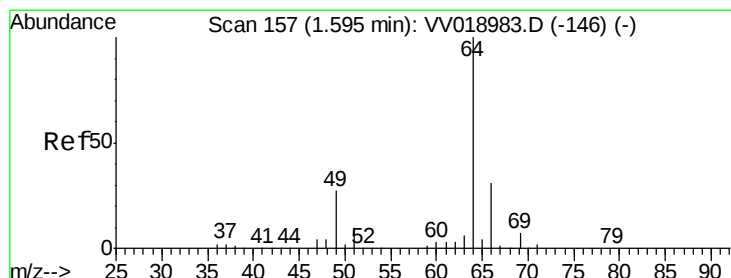
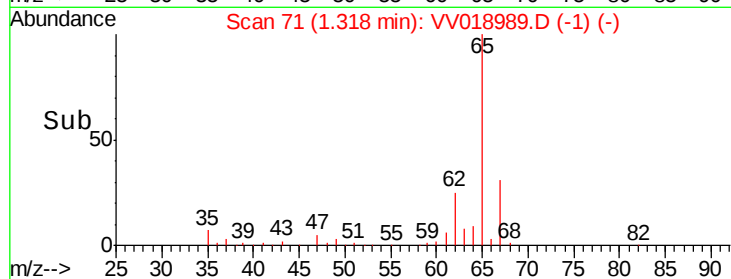
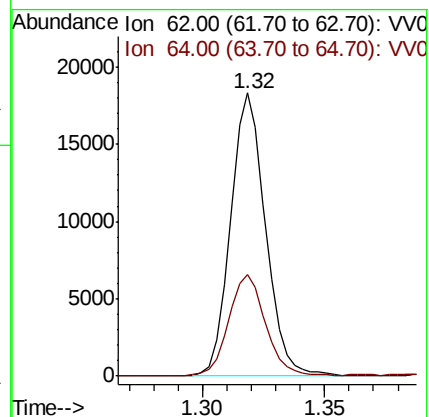
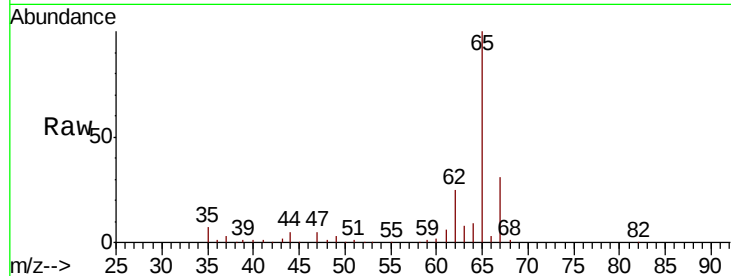
C0AB1

Tot Ion: 62 Resp: 18257

Ion Ratio Lower Upper

62 100

64 35.8 23.2 43.2



#8

Chloroethane

Concen: 4.156 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV018989.D

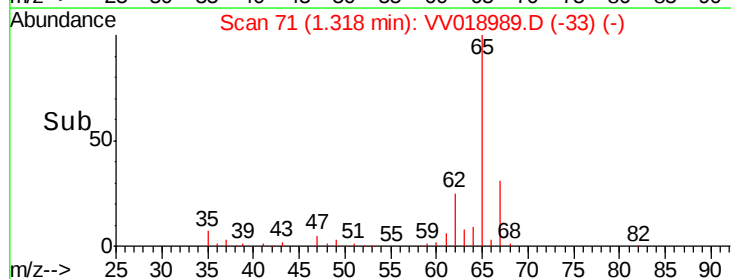
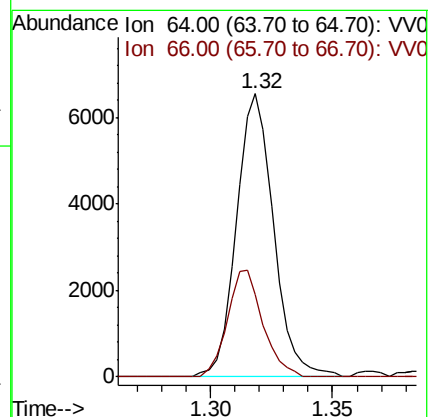
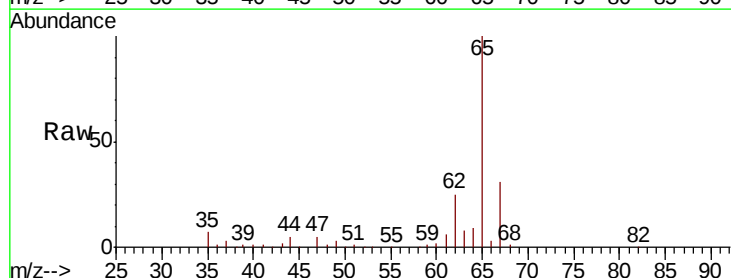
Acq: 20 Oct 2020 01:09

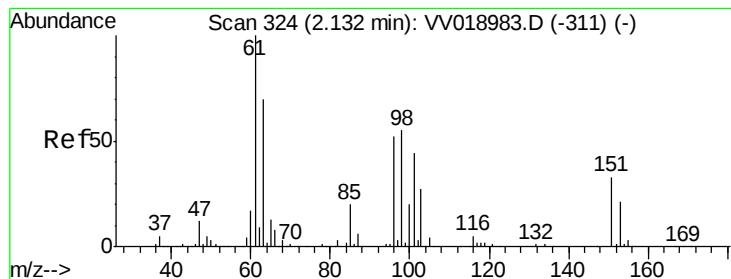
Tgt Ion: 64 Resp: 6925

Ion Ratio Lower Upper

64 100

66 29.0 22.7 42.1





#10

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

Concen: 0.773 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018989.D

Acq: 20 Oct 2020 01:09

Instrument :

MSVOA_V

ClientSampled :

C0AB1

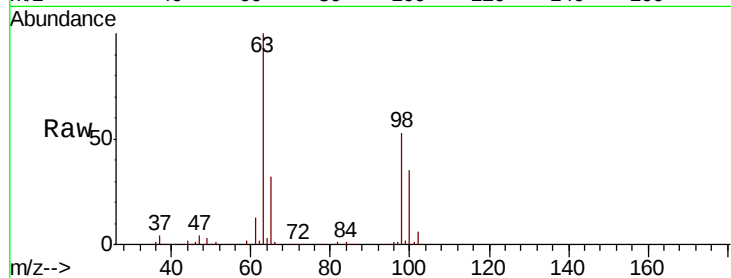
Tot Ion:101 Resp: 1476

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

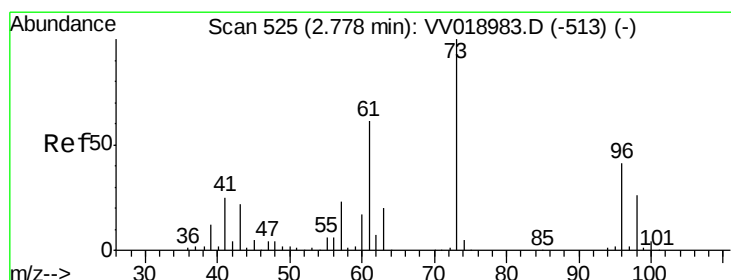
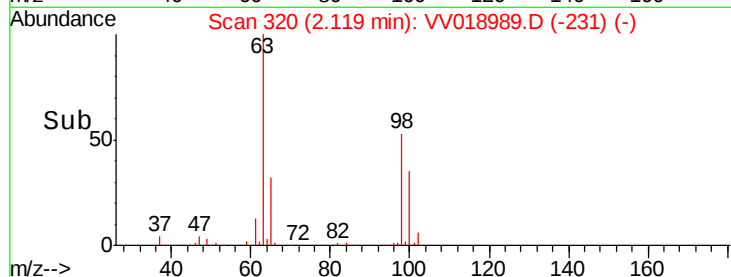
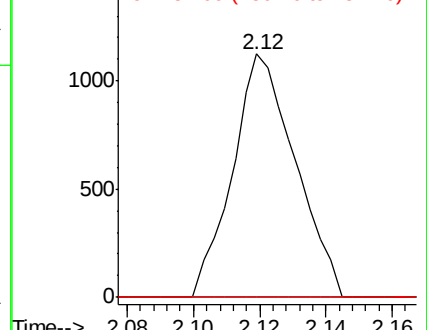
151 0.0 59.7 89.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#17

trans-1,2-Dichloroethene

Concen: 1.244 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018989.D

Acq: 20 Oct 2020 01:09

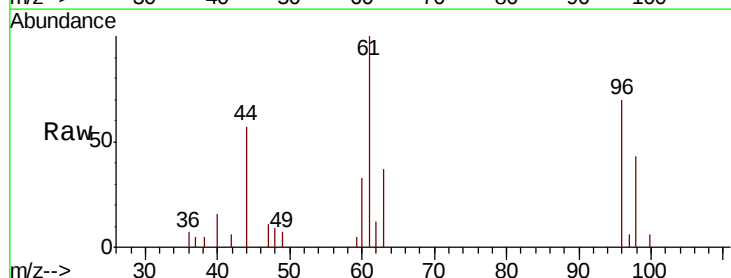
Tgt Ion: 96 Resp: 2672

Ion Ratio Lower Upper

96 100

61 142.7 102.8 190.8

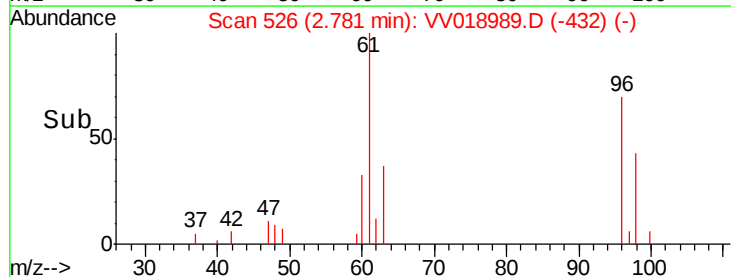
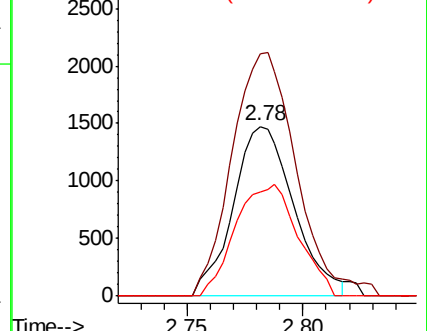
98 61.2 44.0 81.6

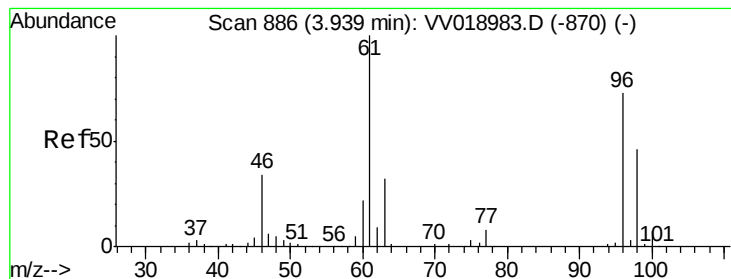


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 7.002 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV018989.D

Acq: 20 Oct 2020 01:09

Instrument :

MSVOA_V

ClientSampleId :

C0AB1

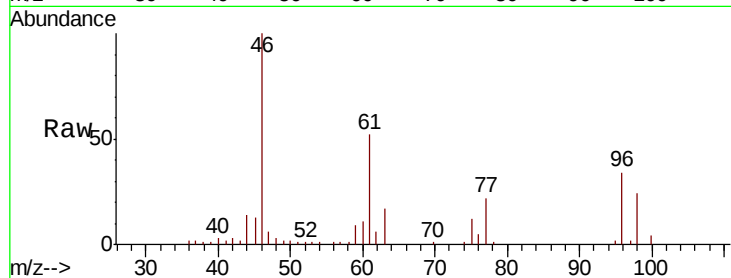
Tot Ion: 96 Resp: 15943

Ion Ratio Lower Upper

96 100

61 152.6 96.1 178.5

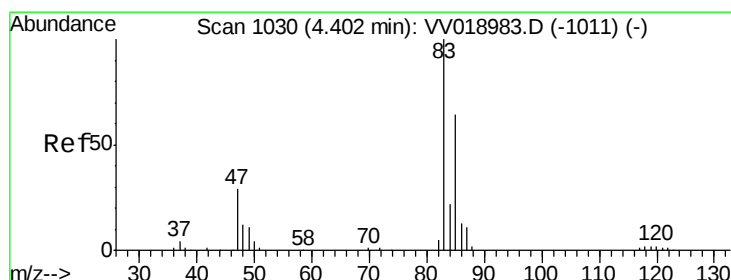
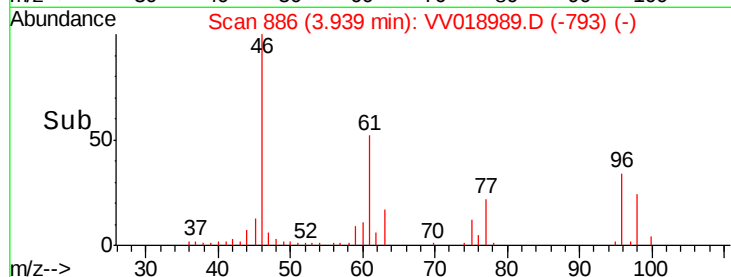
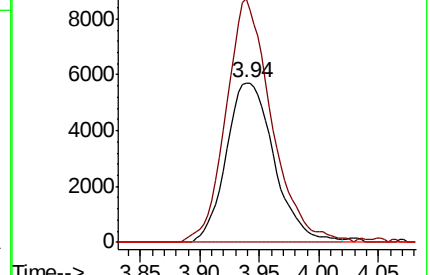
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV018983.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV018983.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV018983.D (-870) (-)



#25

Chloroform

Concen: 1.176 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV018989.D

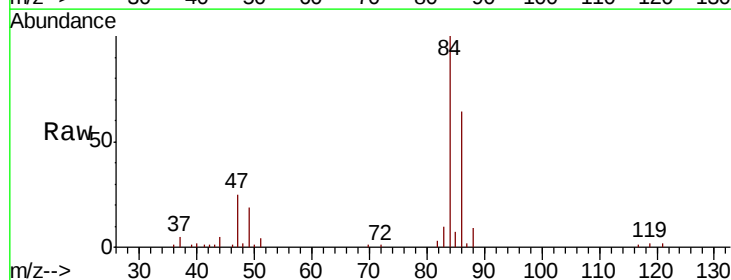
Acq: 20 Oct 2020 01:09

Tgt Ion: 83 Resp: 4941

Ion Ratio Lower Upper

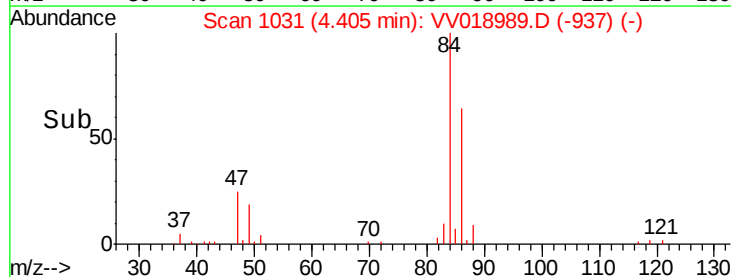
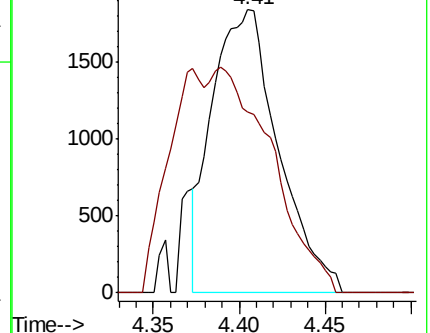
83 100

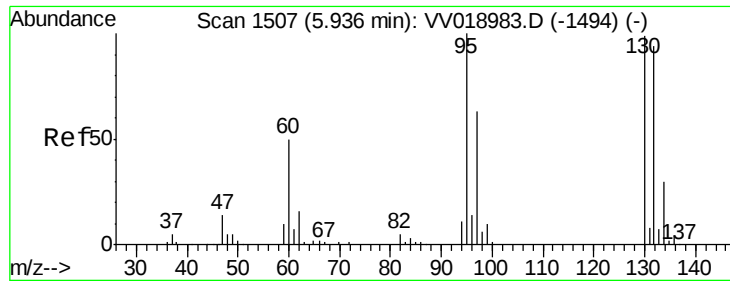
85 63.8 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VV018983.D (-1011) (-)

Ion 85.00 (84.70 to 85.70): VV018983.D (-1011) (-)





#34

Trichloroethene

Concen: 3.045 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV018989.D

Acq: 20 Oct 2020 01:09

Instrument :

MSVOA_V

ClientSampleId :

C0AB1

Tot Ion: 95 Resp: 7910

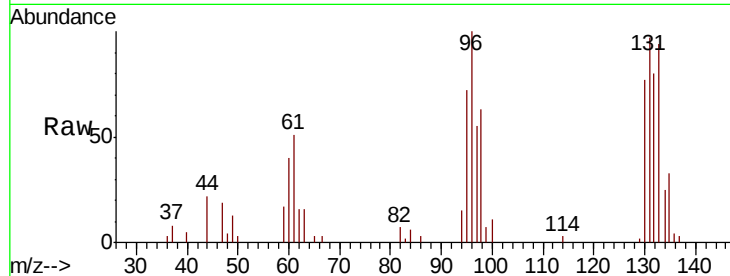
Ion Ratio Lower Upper

95 100

97 76.8 44.7 82.9

132 111.9 67.0 124.4

130 108.0 70.8 131.6

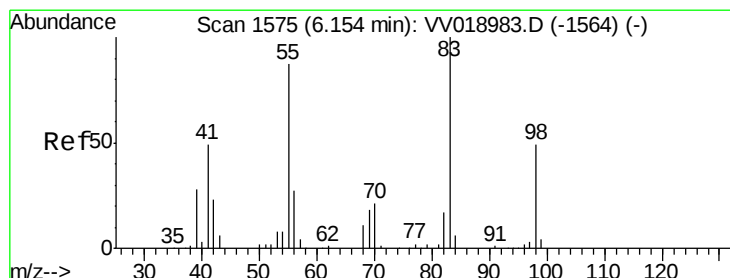
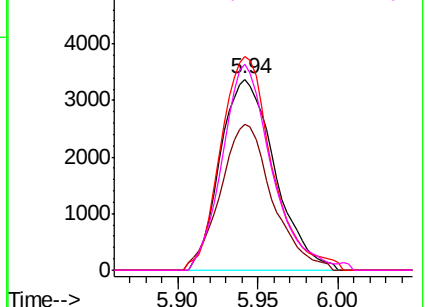
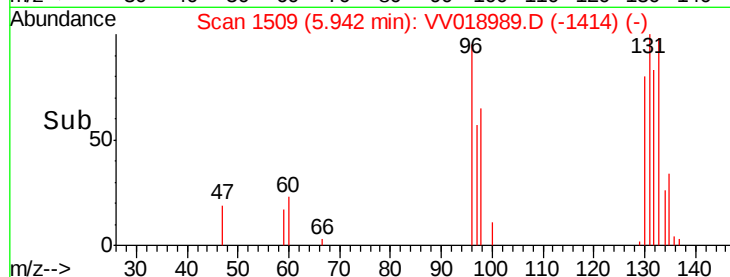


Abundance Ion 95.00 (94.70 to 95.70): VV018989.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV018989.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV018989.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV018989.D (-1494) (-)



#35

Methylcyclohexane

Concen: 9.361 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018989.D

Acq: 20 Oct 2020 01:09

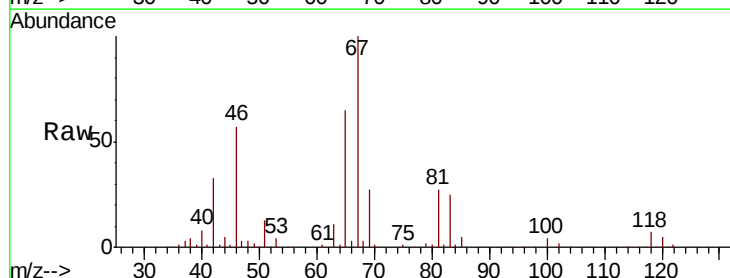
Tgt Ion: 83 Resp: 29451

Ion Ratio Lower Upper

83 100

55 0.4 67.3 100.9#

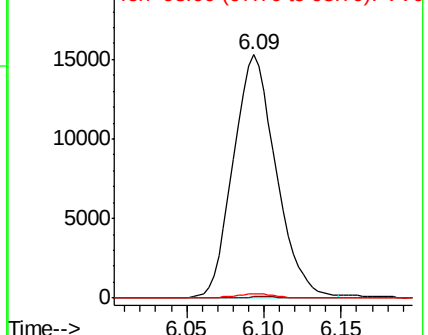
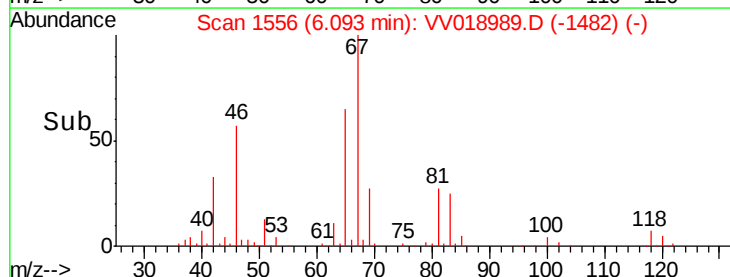
98 1.3 37.9 56.9#

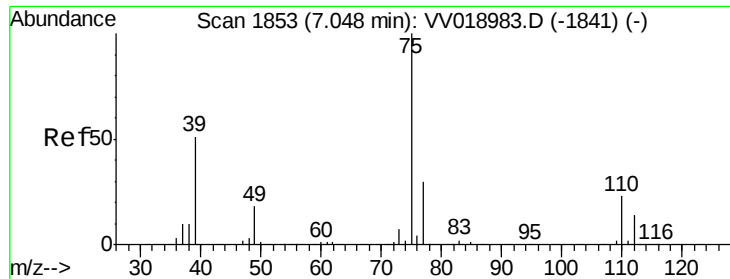


Abundance Ion 83.00 (82.70 to 83.70): VV018989.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV018989.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV018989.D (-1482) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.947 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018989.D

Acq: 20 Oct 2020 01:09

Instrument :

MSVOA_V

ClientSampleId :

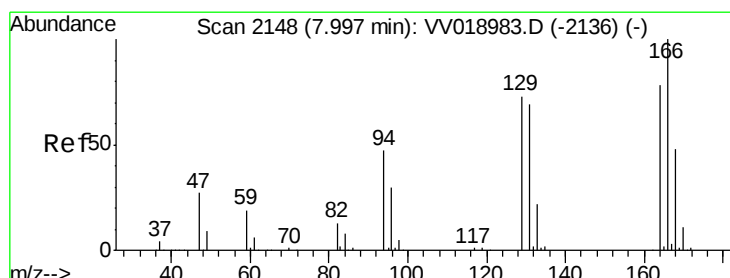
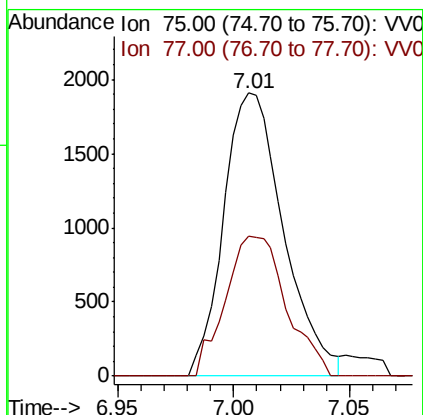
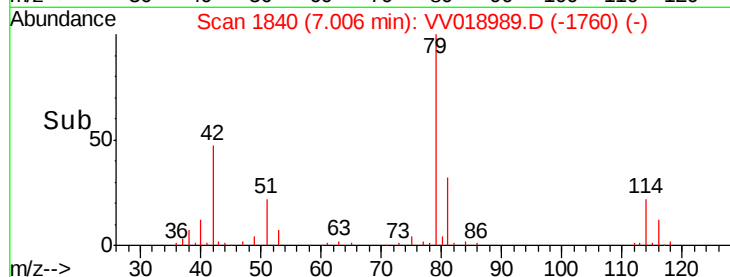
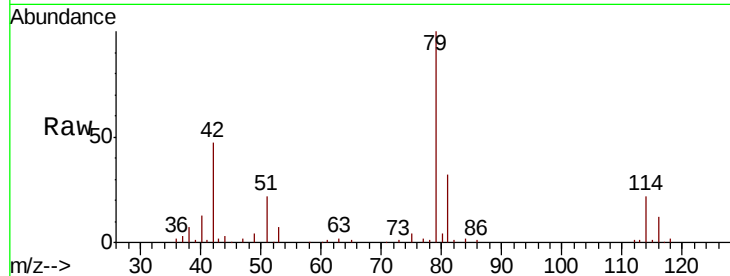
C0AB1

Tot Ion: 75 Resp: 3431

Ion Ratio Lower Upper

75 100

77 49.6 22.5 41.9#



#46

Tetrachloroethene

Concen: 2.164 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018989.D

Acq: 20 Oct 2020 01:09

Tgt Ion:164 Resp: 3961

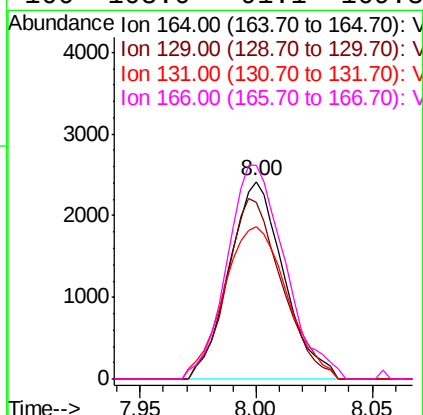
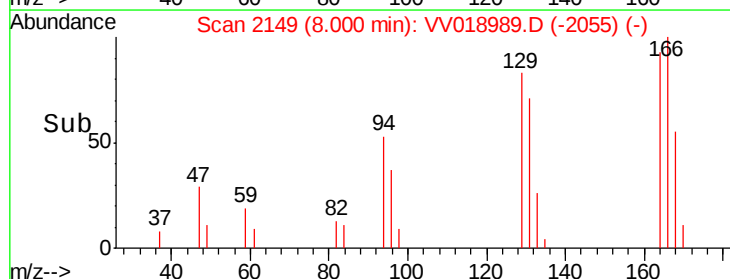
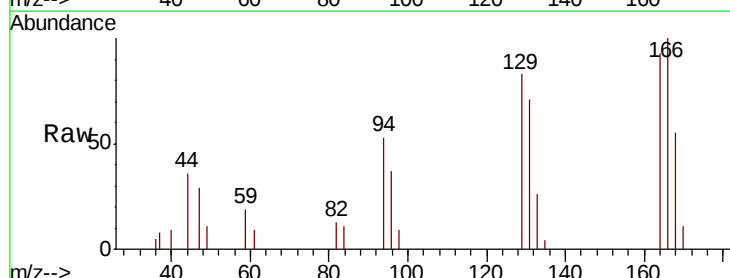
Ion Ratio Lower Upper

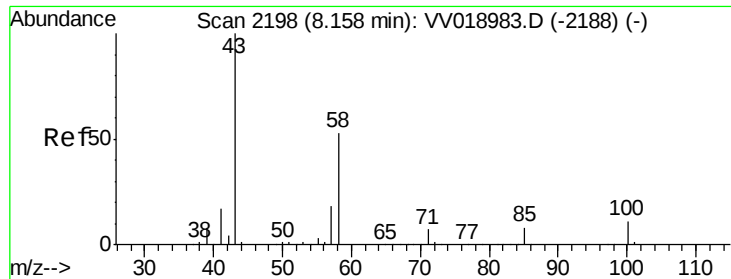
164 100

129 89.5 65.0 120.8

131 77.0 62.9 116.7

166 108.0 91.1 169.3





#48

2-Hexanone

Concen: 5.922 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV018989.D

Acq: 20 Oct 2020 01:09

Instrument :

MSVOA_V

ClientSampleId :

C0AB1

Tot Ion: 43 Resp: 15616

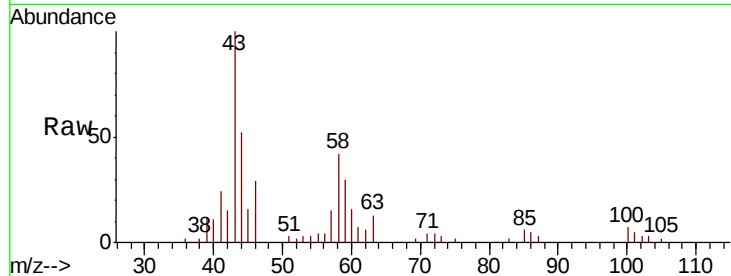
Ion Ratio Lower Upper

43 100

58 47.7 42.5 63.7

57 2.5 14.5 21.7#

100 7.1 9.0 13.4#



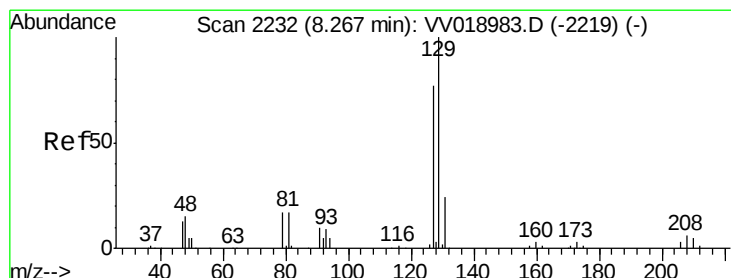
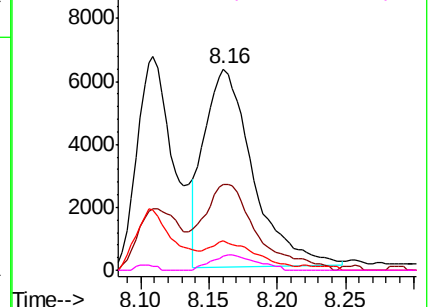
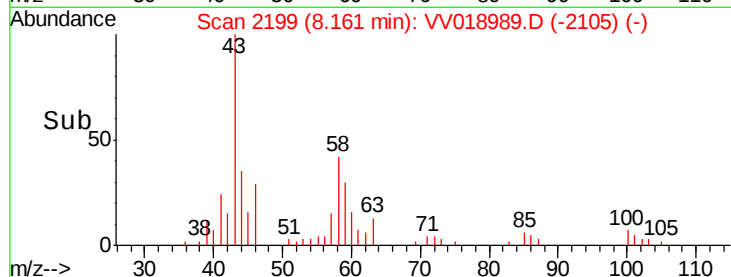
Abundance

Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 1.513 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV018989.D

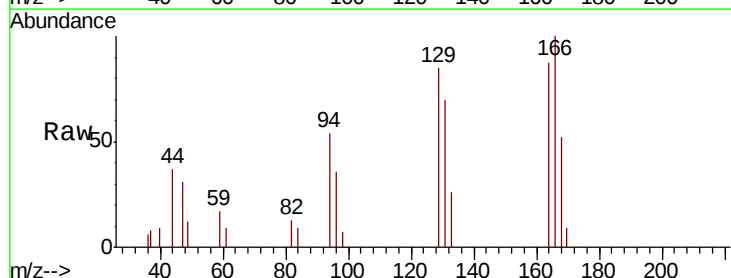
Acq: 20 Oct 2020 01:09

Tgt Ion: 129 Resp: 3593

Ion Ratio Lower Upper

129 100

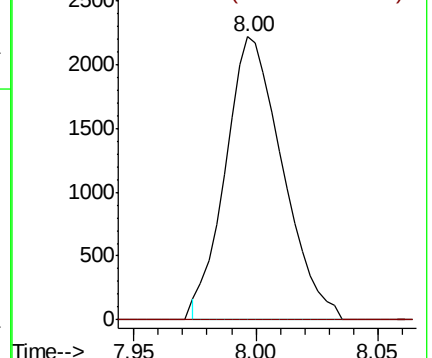
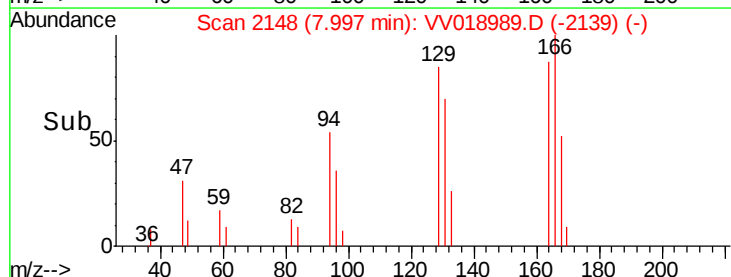
127 0.0 55.2 102.6#

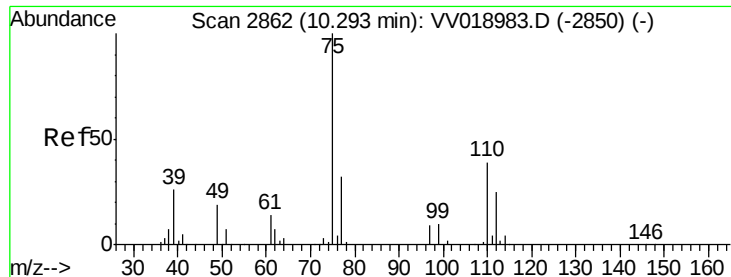


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 5.689 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018989.D

Acq: 20 Oct 2020 01:09

Instrument :

MSVOA_V

ClientSampleId :

C0AB1

Tot Ion: 75 Resp: 16606

Ion Ratio Lower Upper

75 100

77 38.8 25.4 38.2#

