

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080219\
 Data File : VU033563.D
 Acq On : 02 Aug 2019 12:37
 Operator : JC/SP
 Sample : K4103-17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB9F8

Quant Time: Aug 03 01:04:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 03 00:39:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	288593	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	286831	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	129404	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	135249	64.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	128.92%
7) Chloroethane-d5	1.67	69	110669	61.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.94%
11) 1,1-Dichloroethene-d2	2.26	63	178840	46.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.92%
21) 2-Butanone-d5	4.15	46	191731	137.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	137.96%#
24) Chloroform-d	4.62	84	202564	57.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.18%
26) 1,2-Dichloroethane-d4	5.29	65	136793	61.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	122.84%
32) Benzene-d6	5.32	84	431550	60.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.38%
36) 1,2-Dichloropropane-d6	6.31	67	133649	59.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	119.92%
41) Toluene-d8	7.55	98	386364	57.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.98%
43) trans-1,3-Dichloropropene-	7.83	79	64968	58.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	117.52%
47) 2-Hexanone-d5	8.29	63	131222	124.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	124.00%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	203388	59.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	118.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	147527	62.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	124.52%#

Target Compounds

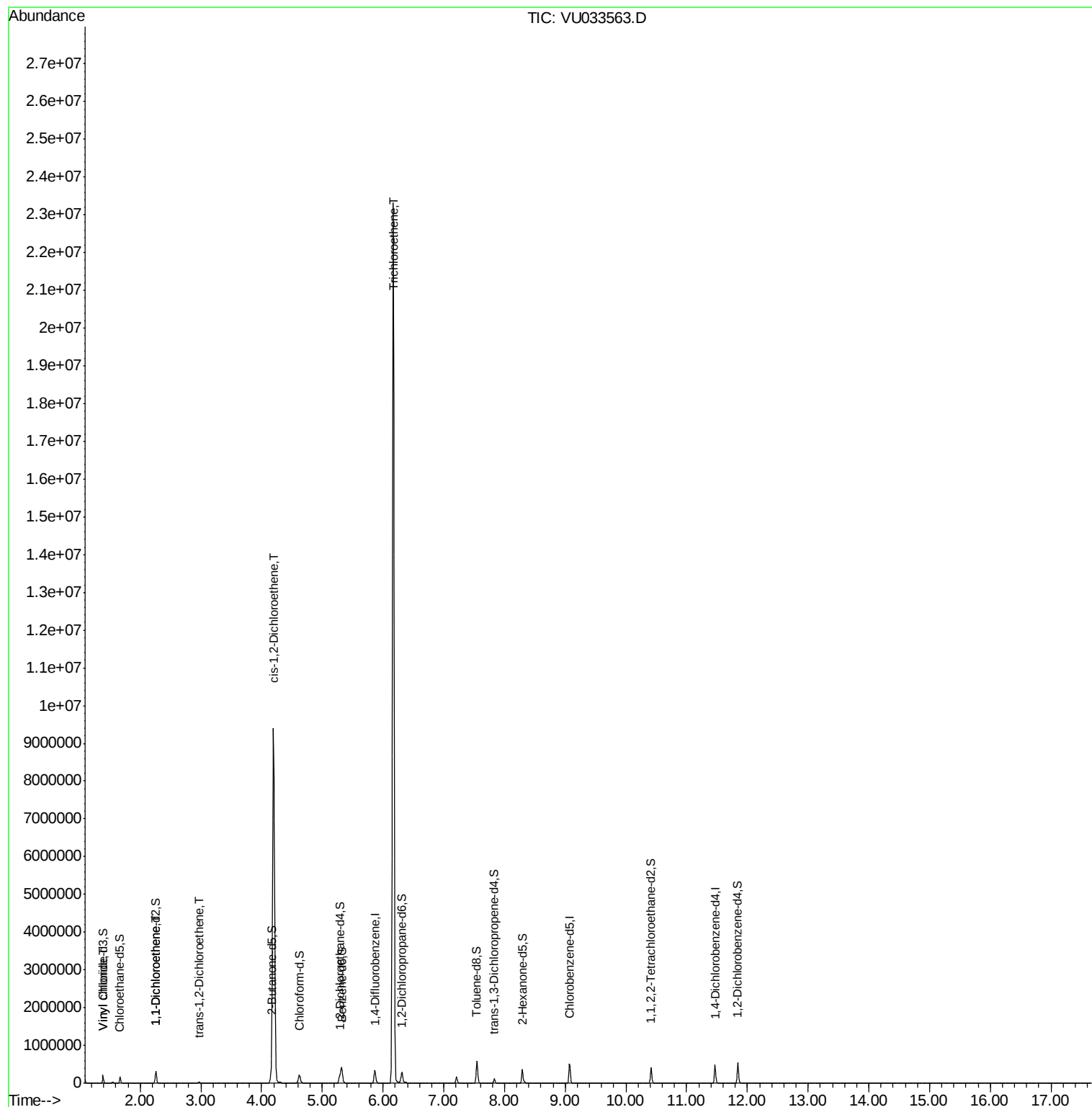
					Ovalue
5) Vinyl chloride	1.40	62	4975	1.693 ug/L #	45
12) 1,1-Dichloroethene	2.27	96	11740	6.282 ug/L #	1
17) trans-1,2-Dichloroethene	2.96	96	9237	4.718 ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	5104631	2322.678 ug/L	98
34) Trichloroethene	6.17	95	7782351	3565.435 ug/L	96

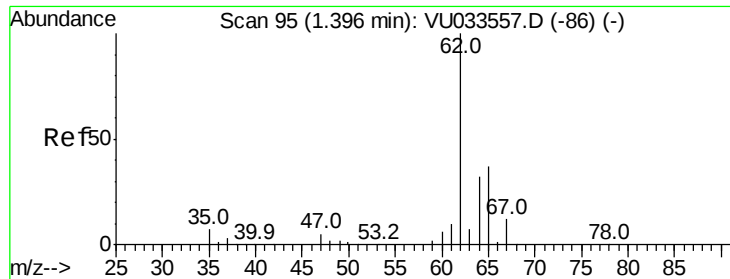
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 03 00:39:04 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.693 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033563.D

Acq: 02 Aug 2019 12:37

Instrument :

MSVOA_U

ClientSampled :

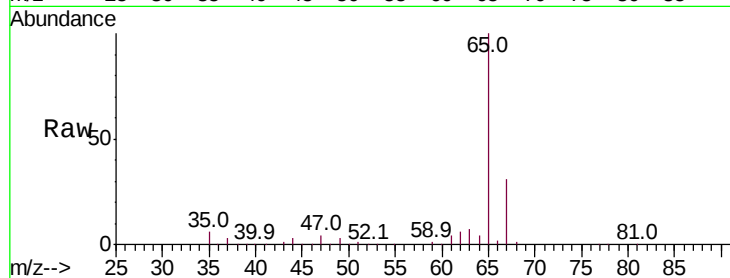
DB9F8

Tot Ion: 62 Resp: 4975

Ion Ratio Lower Upper

62 100

64 64.9 23.4 43.4#



Abundance Ion 62.00 (61.70 to 62.70): VU033557.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033557.D (-86) (-)

1.40

5000

4000

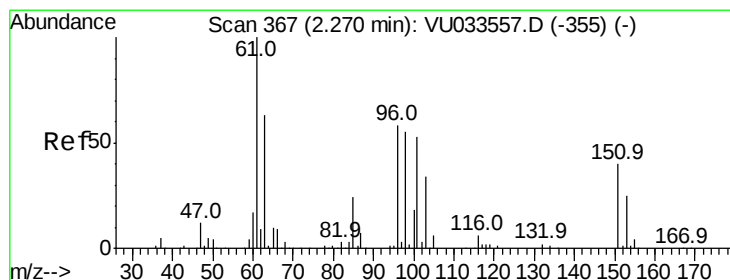
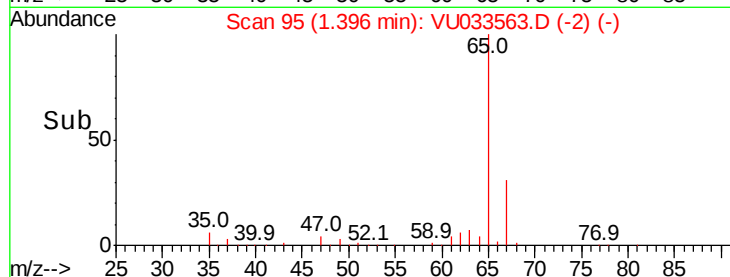
3000

2000

1000

0

Time-->



#12

1,1-Dichloroethene

Concen: 6.282 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033563.D

Acq: 02 Aug 2019 12:37

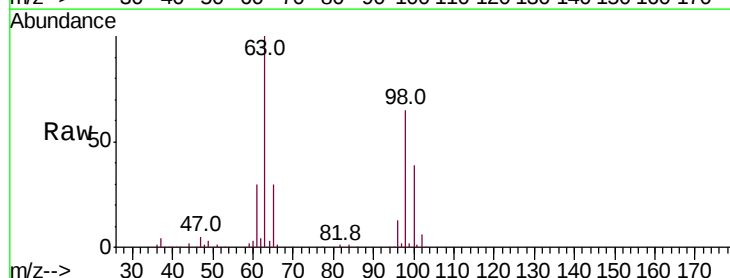
Tgt Ion: 96 Resp: 11740

Ion Ratio Lower Upper

96 100

61 239.7 119.3 221.5#

63 794.5 86.6 160.8#



Abundance Ion 96.00 (95.70 to 96.70): VU033557.D (-355) (-)

Ion 61.00 (60.70 to 61.70): VU033557.D (-355) (-)

Ion 63.00 (62.70 to 63.70): VU033557.D (-355) (-)

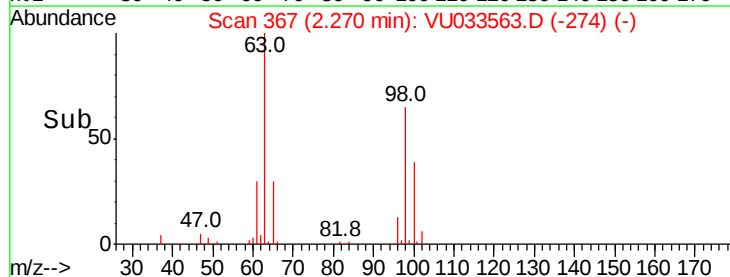
150000

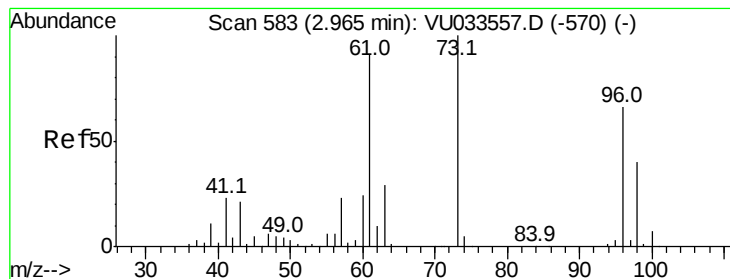
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 4.718 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033563.D

Acq: 02 Aug 2019 12:37

Instrument :

MSVOA_U

ClientSampleId :

DB9F8

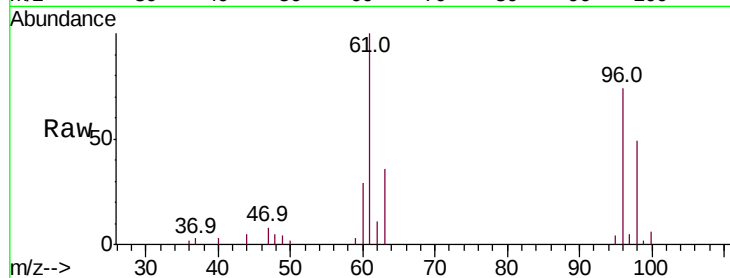
Tot Ion: 96 Resp: 9237

Ion Ratio Lower Upper

96 100

61 134.5 98.3 182.5

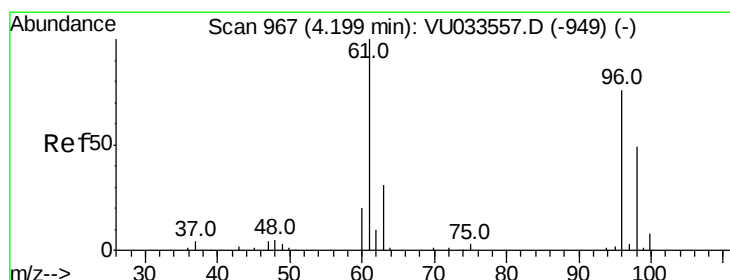
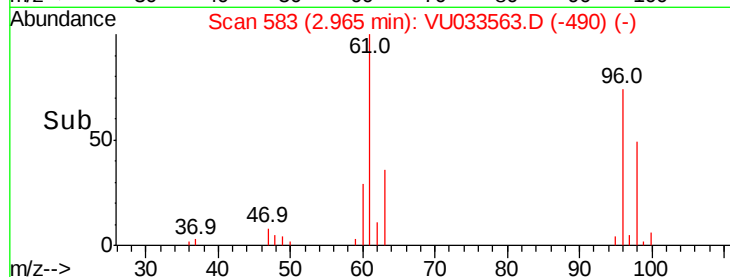
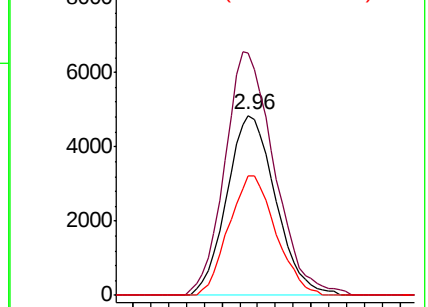
98 66.1 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU033557.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033557.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033557.D (-570) (-)



#20

cis-1,2-Dichloroethene

Concen: 2322.678 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033563.D

Acq: 02 Aug 2019 12:37

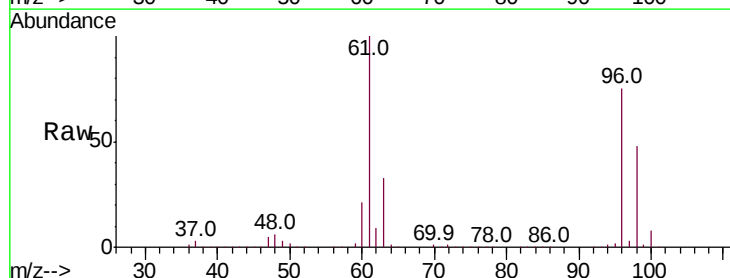
Tgt Ion: 96 Resp: 5104631

Ion Ratio Lower Upper

96 100

61 133.2 91.3 169.6

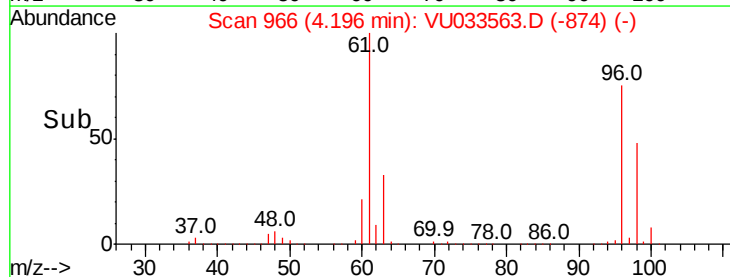
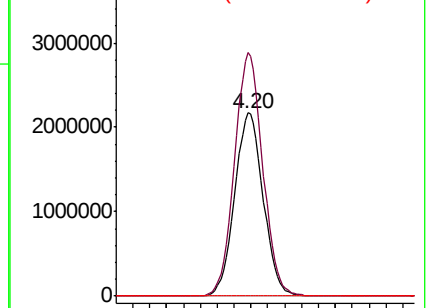
68 0.0 0.0 0.0

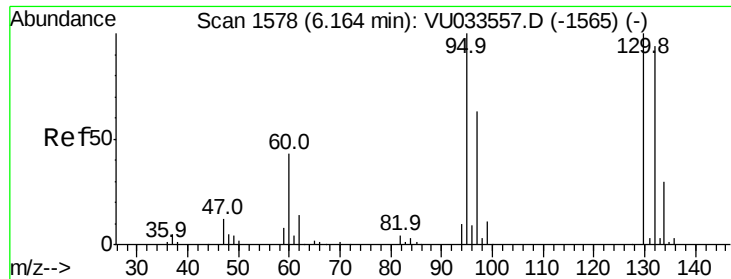


Abundance Ion 96.00 (95.70 to 96.70): VU033557.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033557.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU033557.D (-949) (-)





#34

Trichloroethene

Concen: 3565.435 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033563.D

Acq: 02 Aug 2019 12:37

Instrument :

MSVOA_U

ClientSampleId :

DB9F8

Tot Ion: 95 Resp: 7782351

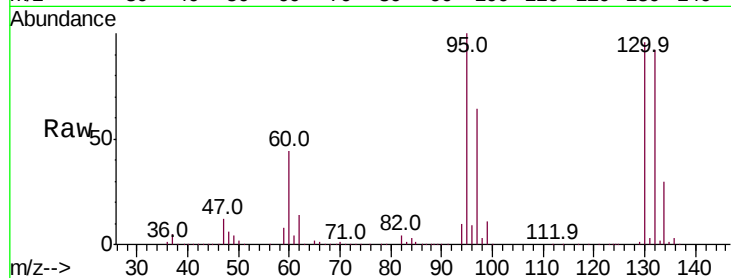
Ion Ratio Lower Upper

95 100

97 64.3 44.7 83.1

132 92.4 66.8 124.0

130 96.2 71.6 133.0



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

