

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081019\
 Data File : VV012167.D
 Acq On : 09 Aug 2019 22:49
 Operator : SY/MD
 Sample : K4248-04
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2B07

Quant Time: Aug 14 08:47:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 10 05:07:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	267143	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	245904	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	111583	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51836	52.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.48%
7) Chloroethane-d5	1.58	69	33931	54.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.30%
11) 1,1-Dichloroethene-d2	2.13	63	70618	38.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.02%
21) 2-Butanone-d5	3.93	46	44246	91.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.05%
24) Chloroform-d	4.40	84	100790	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
26) 1,2-Dichloroethane-d4	5.08	65	64739	55.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.58%
32) Benzene-d6	5.10	84	208680	54.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.46%
36) 1,2-Dichloropropane-d6	6.12	67	56501	54.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.96%
41) Toluene-d8	7.36	98	191693	52.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.56%
43) trans-1,3-Dichloropropene-	7.66	79	27823	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.02%
47) 2-Hexanone-d5	8.13	63	41040	103.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	72967	51.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.64%
64) 1,2-Dichlorobenzene-d4	11.67	152	74201	56.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.52%

Target Compounds

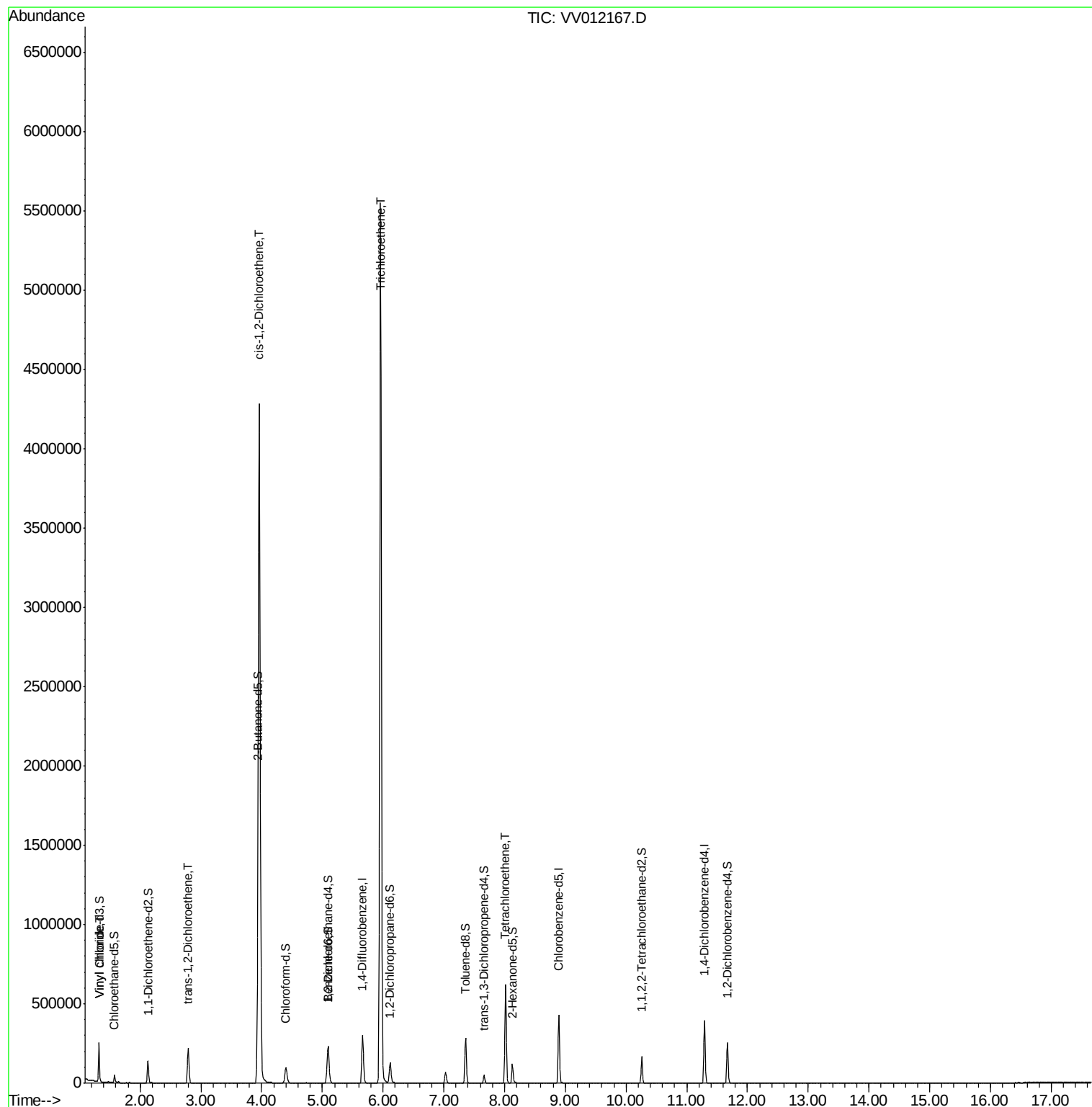
					Ovalue
5) Vinyl chloride	1.32	62	107437	72.741	ug/L 100
17) trans-1,2-Dichloroethene	2.79	96	85016	53.765	ug/L 98
20) cis-1,2-Dichloroethene	3.96	96	2549602	1419.259	ug/L 98
34) Trichloroethene	5.96	95	1844826	1087.400	ug/L 98
46) Tetrachloroethene	8.02	164	148779	91.740	ug/L 99

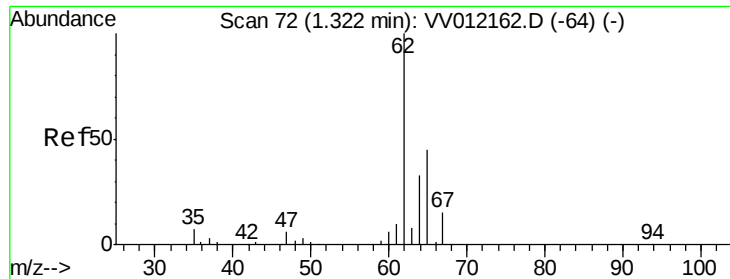
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 72.741 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

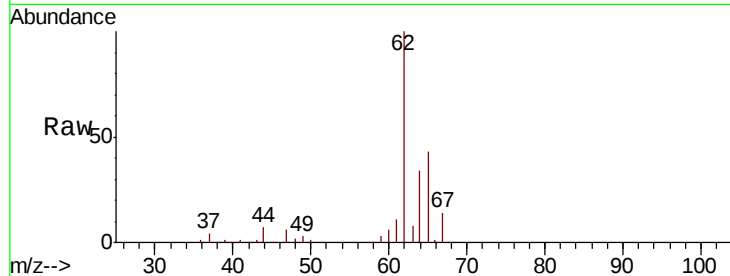
F2B07

Tot Ion: 62 Resp: 107437

Ion Ratio Lower Upper

62 100

64 34.1 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV012167.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV012167.D (-64) (-)

1.32

100000

80000

60000

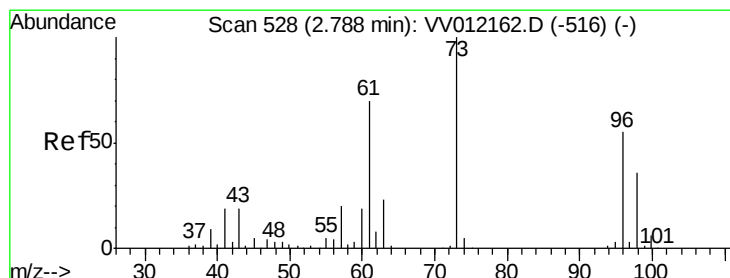
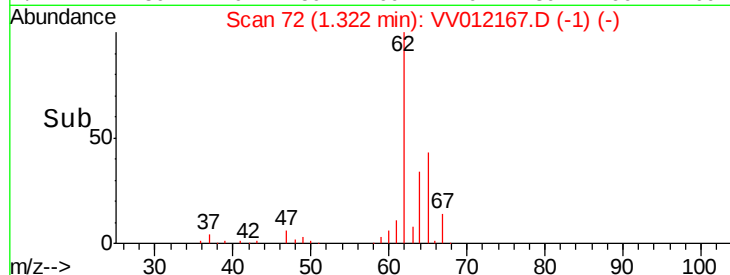
40000

20000

0

1.30 1.35 1.40

Time-->



#17

trans-1,2-Dichloroethene

Concen: 53.765 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012167.D

Acq: 09 Aug 2019 22:49

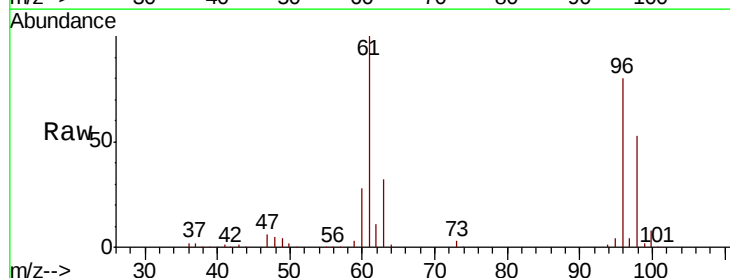
Tgt Ion: 96 Resp: 85016

Ion Ratio Lower Upper

96 100

61 125.4 89.3 165.9

98 66.1 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV012167.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VV012167.D (-516) (-)

Ion 98.00 (97.70 to 98.70): VV012167.D (-516) (-)

2.79

80000

60000

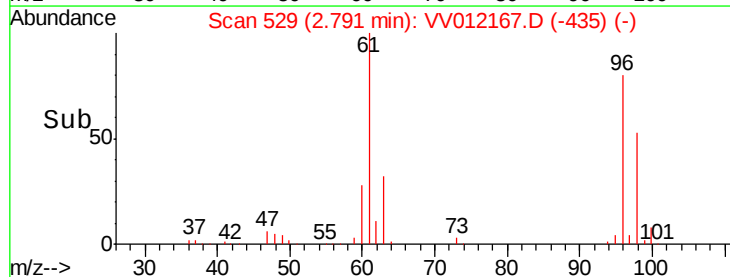
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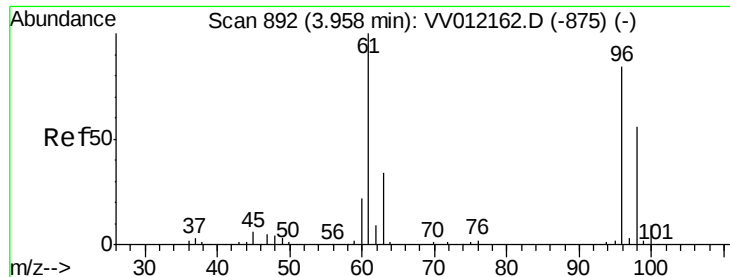
20000

0

2.75 2.80 2.85

Time-->



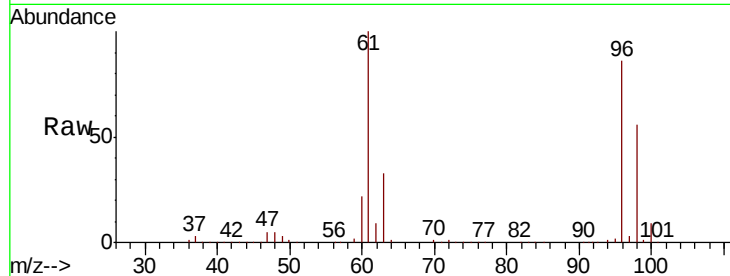


#20

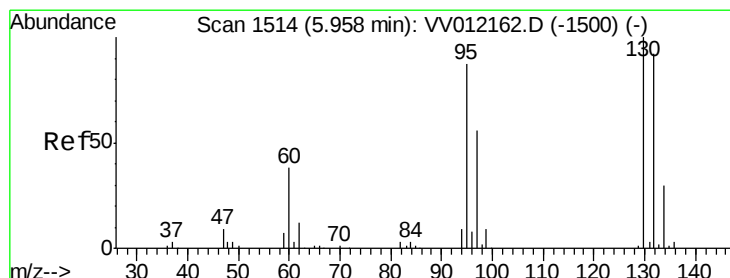
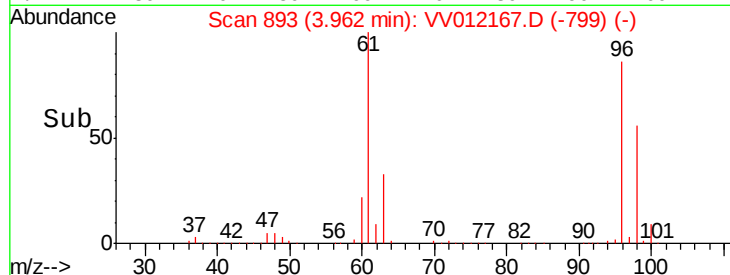
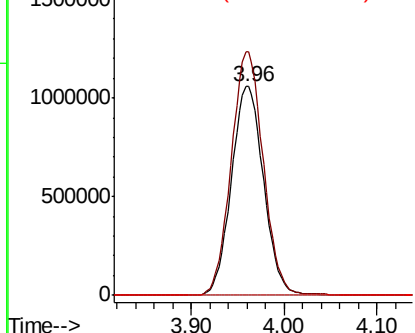
cis-1,2-Dichloroethene
Concen: 1419.259 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012167.D
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Instrument :
MSVOA_V
ClientSampleId :
F2B07

Tot Ion: 96 Resp: 2549602
Ion Ratio Lower Upper
96 100
61 116.6 82.9 153.9
68 0.0 0.0 0.0



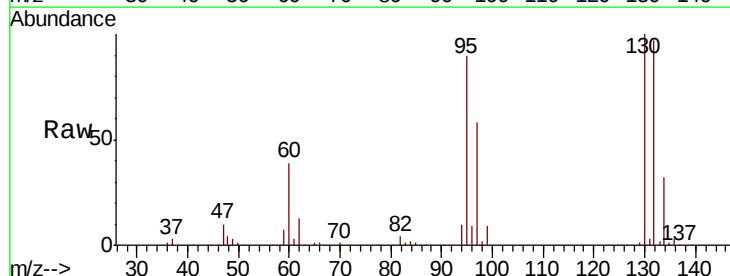
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



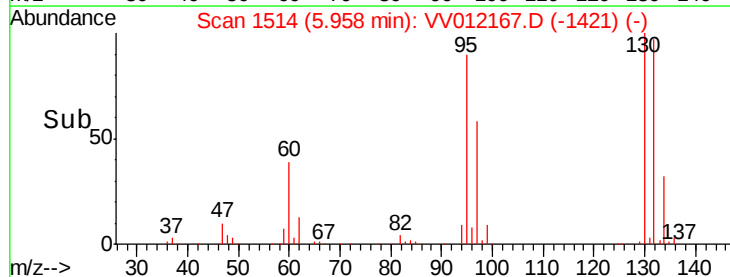
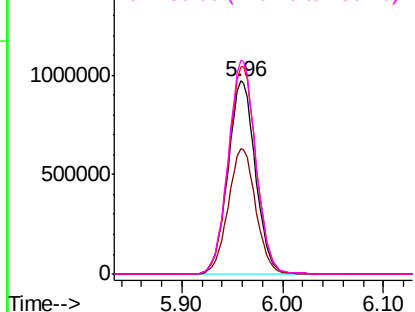
#34

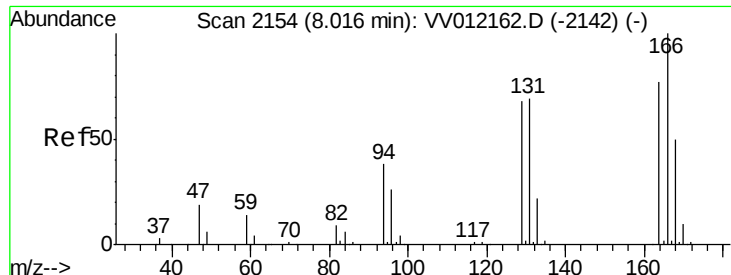
Trichloroethene
Concen: 1087.400 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV012167.D
Acq: 09 Aug 2019 22:49

Tgt Ion: 95 Resp: 1844826
Ion Ratio Lower Upper
95 100
97 64.7 44.7 83.1
132 107.5 72.7 134.9
130 110.6 75.9 141.1



Abundance Ion 95.00 (94.70 to 95.70): VV0
Ion 97.00 (96.70 to 97.70): VV0
Ion 132.00 (131.70 to 132.70): VV0
Ion 130.00 (129.70 to 130.70): VV0





#46

Tetrachloroethene

Concen: 91.740 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012167.D

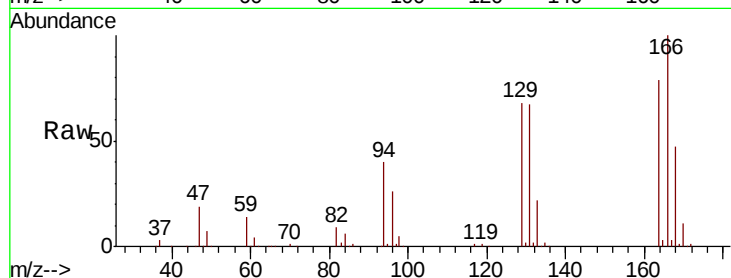
Acq: 09 Aug 2019 22:49

Instrument :

MSVOA_V

ClientSampleId :

F2B07



Tot Ion:164 Resp: 148779

Ion Ratio Lower Upper

164 100

129 85.4 60.6 112.6

131 84.0 59.5 110.5

166 126.1 87.2 161.9

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

