

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091818\
 Data File : VW005483.D
 Acq On : 18 Sep 2018 17:05
 Operator : SY/AP
 Sample : J4962-02
 Misc : 4.90G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 291

Quant Time: Sep 19 16:39:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

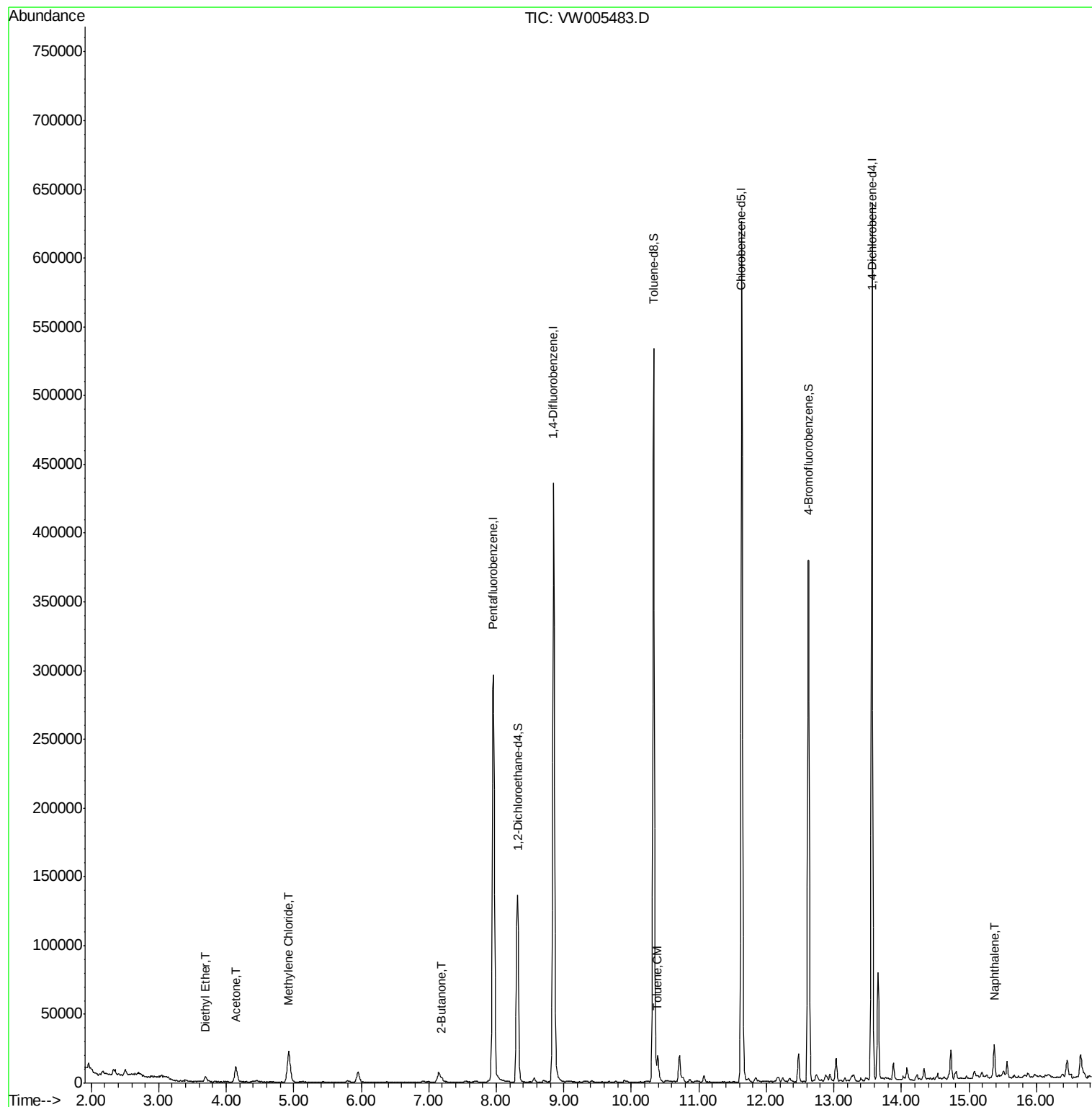
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	227102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	364941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	349076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	158752	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	110629	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	7.90	113	1078	0.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.06%	
50) Toluene-d8	10.33	98	358776	38.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.58%	
62) 4-Bromofluorobenzene	12.62	95	125742	36.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.20%	
Target Compounds						
8) Diethyl Ether	3.70	74	1682	1.70	ug/l	72
16) Acetone	4.14	43	19691	43.18	ug/l	96
20) Methylene Chloride	4.93	84	16656	1.56	ug/l	97
25) 2-Butanone	7.19	43	4212	7.43	ug/l #	87
52) Toluene	10.39	92	6921	1.02	ug/l	93
95) Naphthalene	15.38	128	19535	3.76	ug/l	98

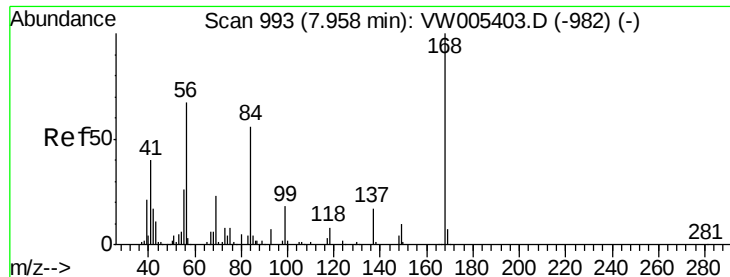
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091818\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 15 02:32:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005483.D

Acq: 18 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampleId :

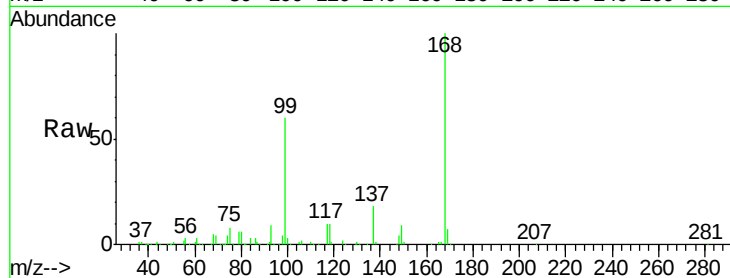
291

Tot Ion:168 Resp: 227102

Ion Ratio Lower Upper

168 100

99 59.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

100000

80000

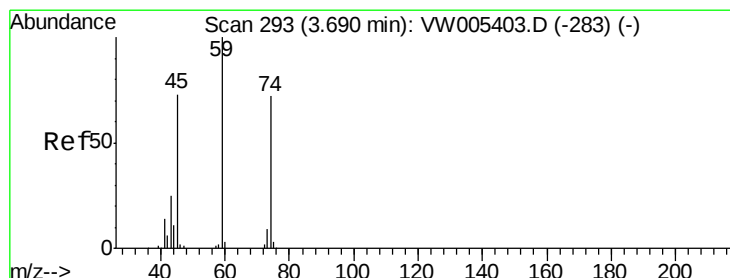
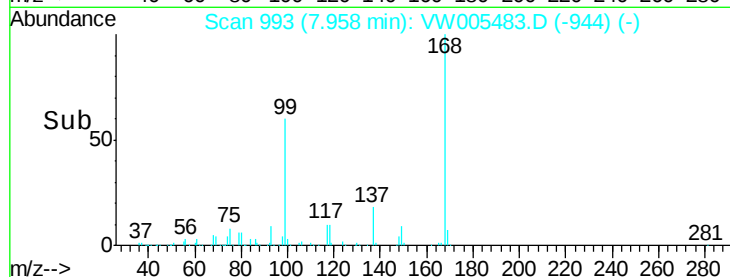
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.70 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW005483.D

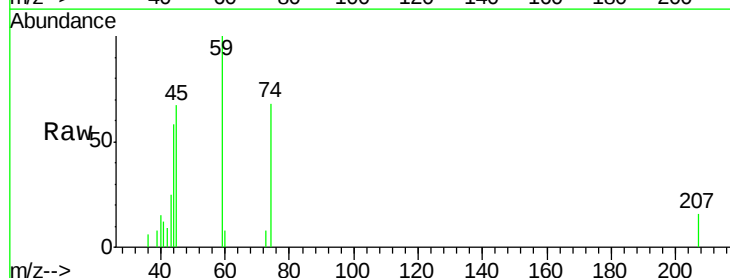
Acq: 18 Sep 2018 17:05

Tgt Ion: 74 Resp: 1682

Ion Ratio Lower Upper

74 100

45 135.1 53.1 159.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.70

800

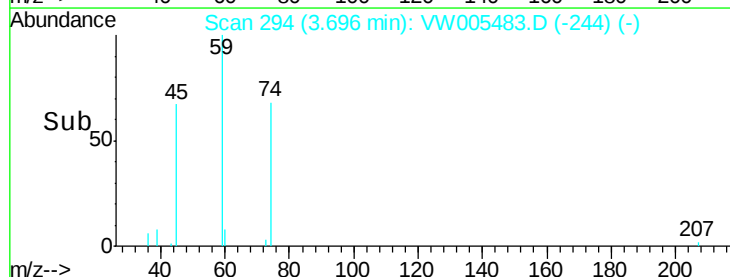
600

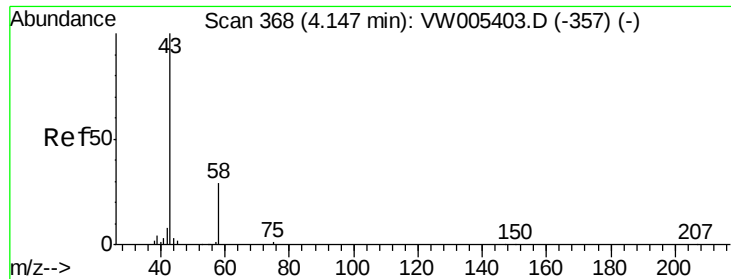
400

200

0

Time-->





#16

Acetone

Concen: 43.18 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW005483.D

Acq: 18 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampleId :

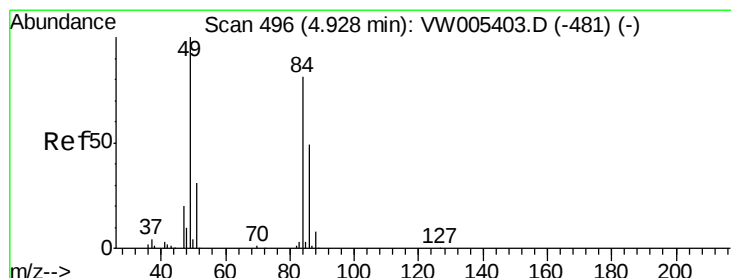
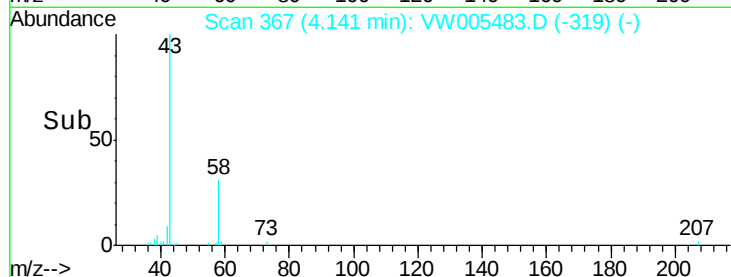
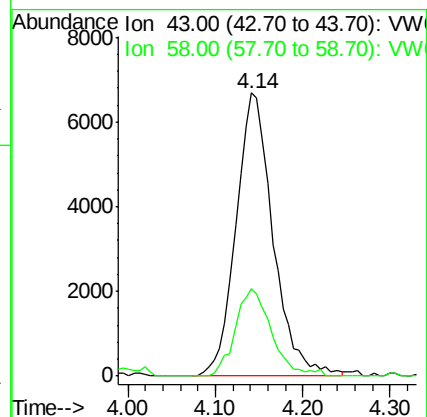
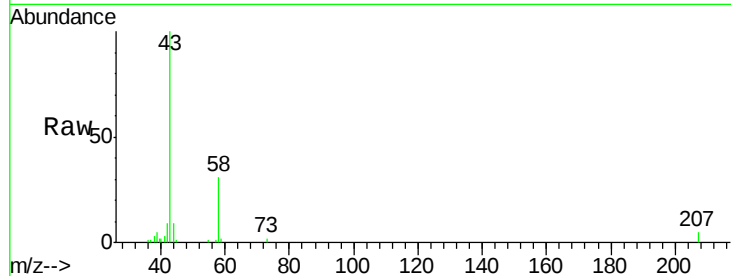
291

Tot Ion: 43 Resp: 19691

Ion Ratio Lower Upper

43 100

58 30.7 22.8 34.2



#20

Methylene Chloride

Concen: 1.56 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW005483.D

Acq: 18 Sep 2018 17:05

Tgt Ion: 84 Resp: 16656

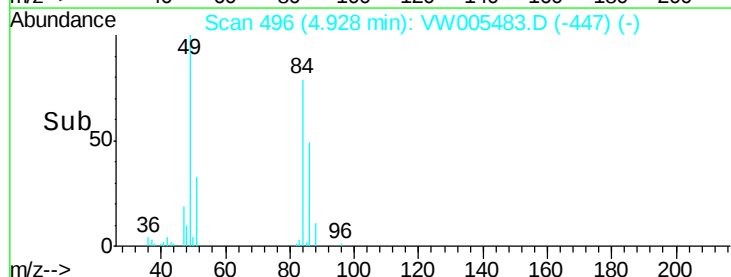
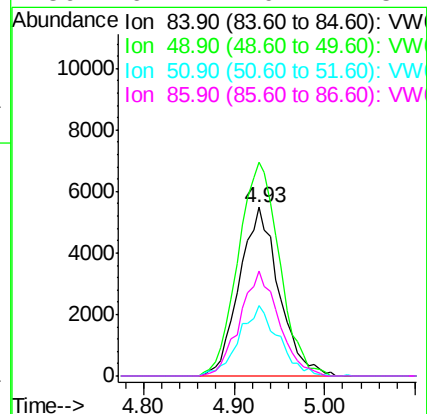
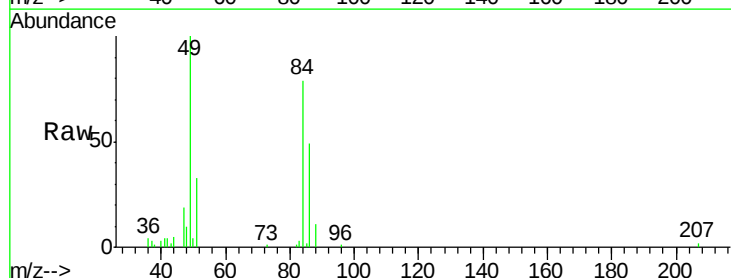
Ion Ratio Lower Upper

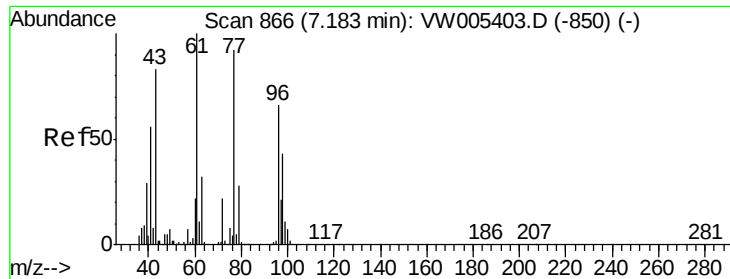
84 100

49 126.8 99.3 148.9

51 42.0 31.1 46.7

86 62.2 49.1 73.7





#25

2-Butanone

Concen: 7.43 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005483.D

Acq: 18 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampled :

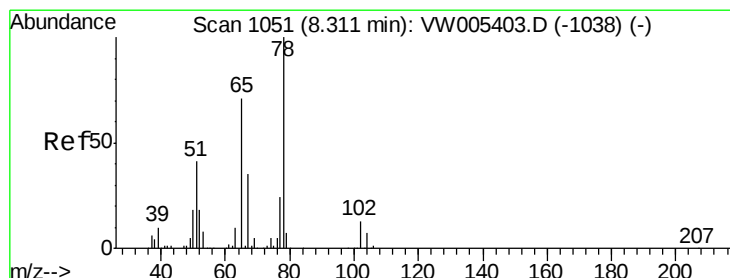
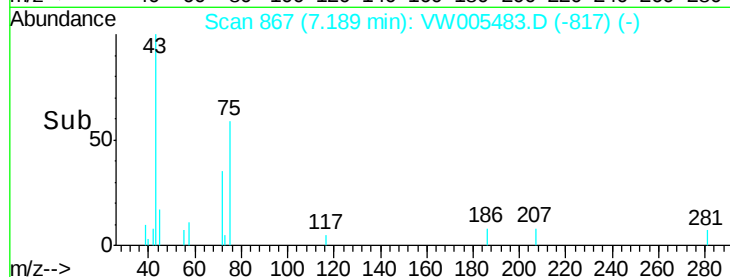
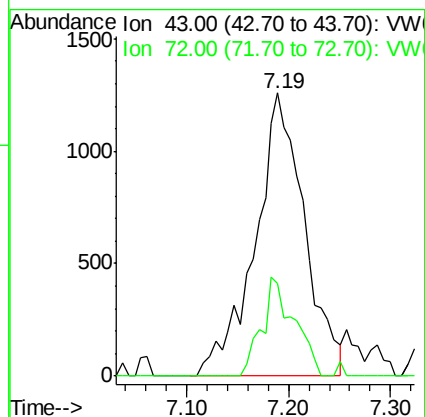
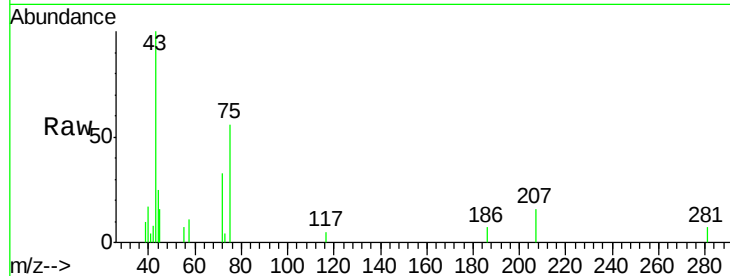
291

Tot Ion: 43 Resp: 4212

Ion Ratio Lower Upper

43 100

72 32.8 21.1 31.7#



#33

1,2-Dichloroethane-d4

Concen: 46.93 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005483.D

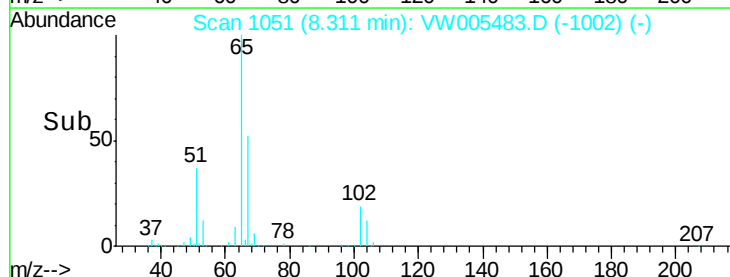
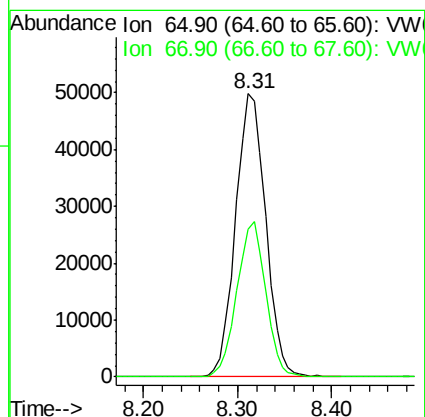
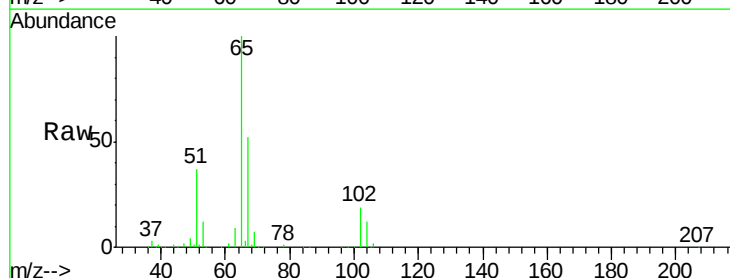
Acq: 18 Sep 2018 17:05

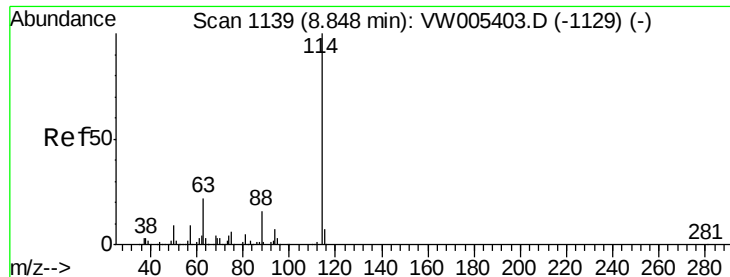
Tgt Ion: 65 Resp: 110629

Ion Ratio Lower Upper

65 100

67 52.6 0.0 100.6

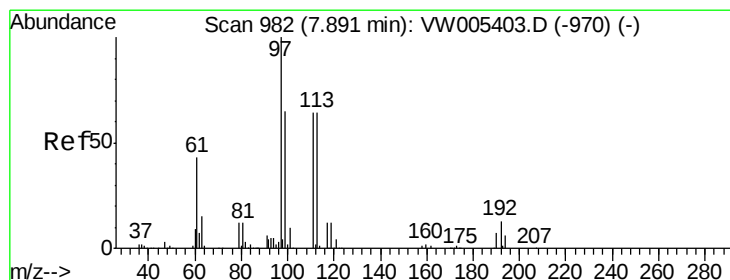
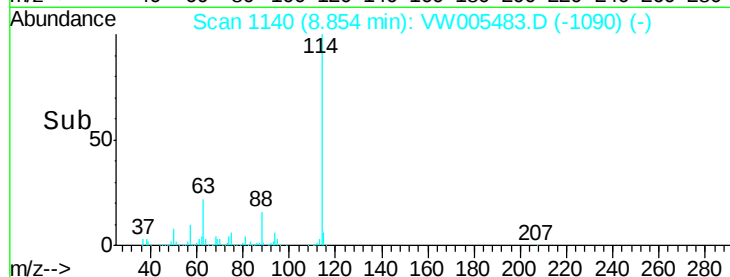
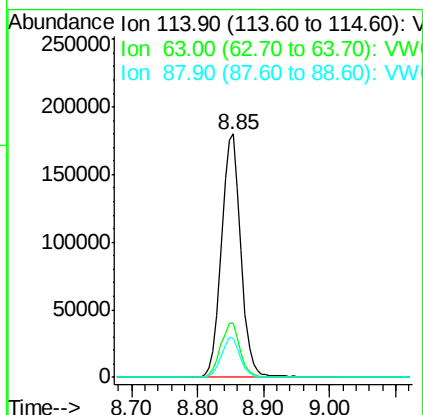
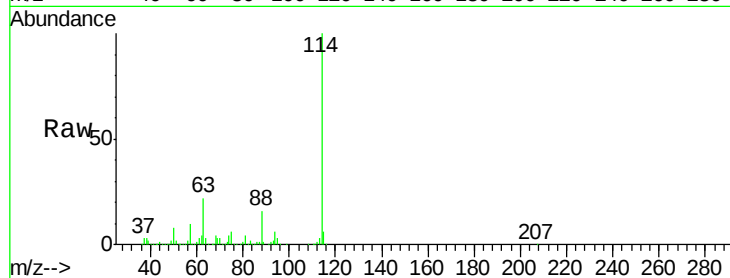




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005483.D
 Acq: 18 Sep 2018 17:05

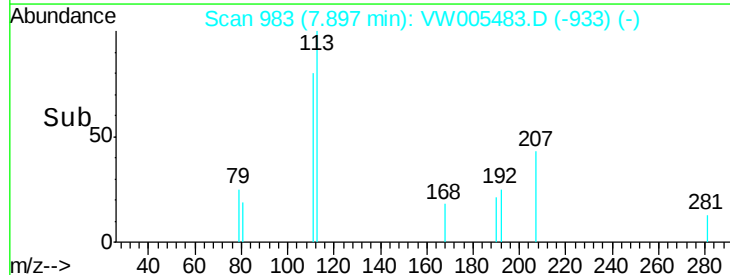
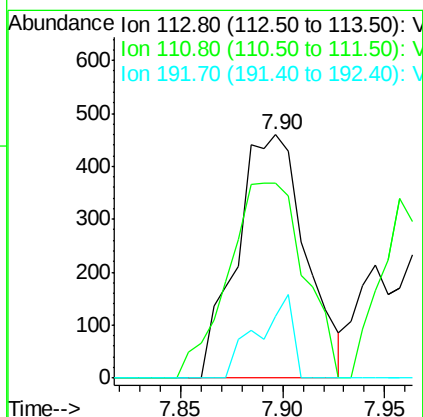
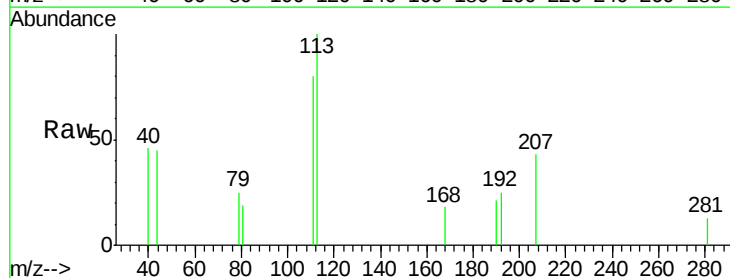
Instrument :
 MSVOA_W
 ClientSampleId :
 291

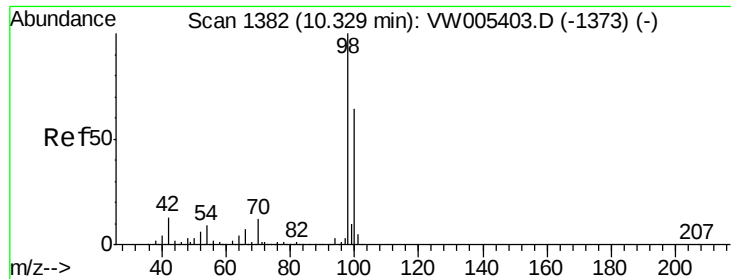
Tot Ion:114 Resp: 364941
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.4
 88 16.0 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 0.53 ug/l
 RT: 7.90 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VW005483.D
 Acq: 18 Sep 2018 17:05

Tgt Ion:113 Resp: 1078
 Ion Ratio Lower Upper
 113 100
 111 88.4 82.3 123.5
 192 17.3 16.5 24.7





#50

Toluene-d8

Concen: 38.29 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005483.D

Acq: 18 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampled :

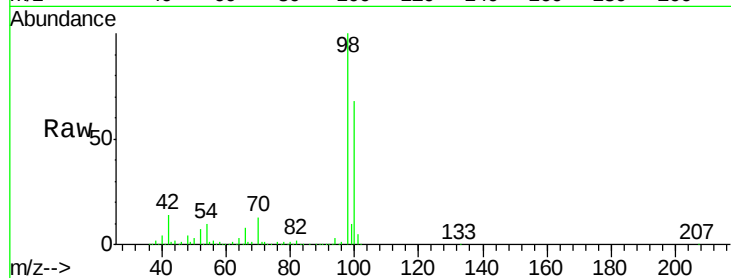
291

Tot Ion: 98 Resp: 358776

Ion Ratio Lower Upper

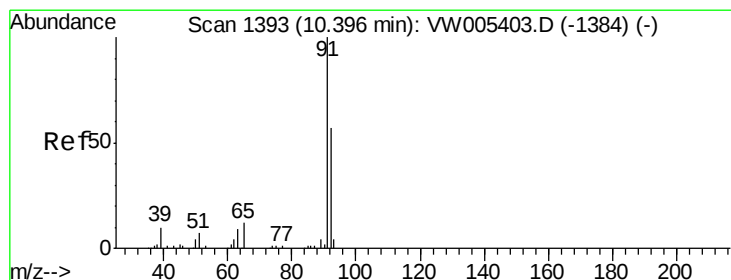
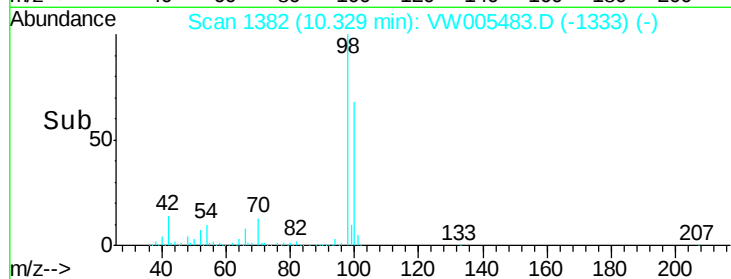
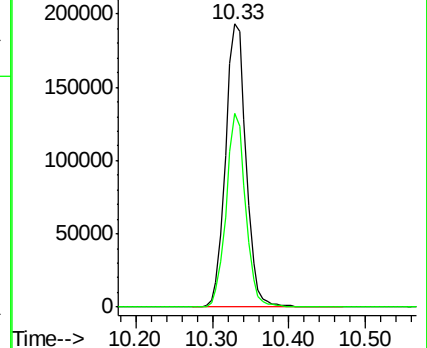
98 100

100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.02 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005483.D

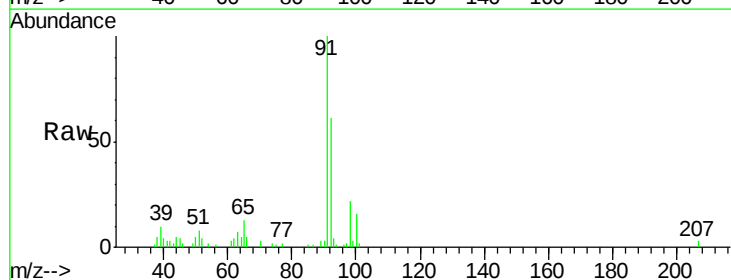
Acq: 18 Sep 2018 17:05

Tgt Ion: 92 Resp: 6921

Ion Ratio Lower Upper

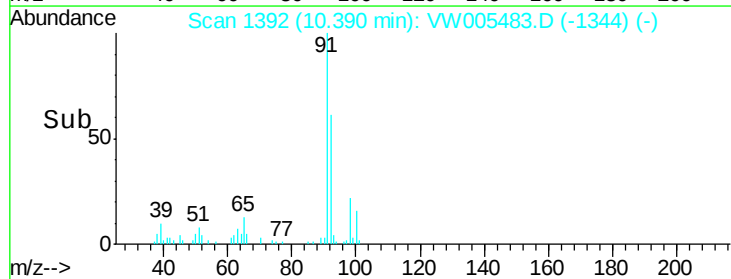
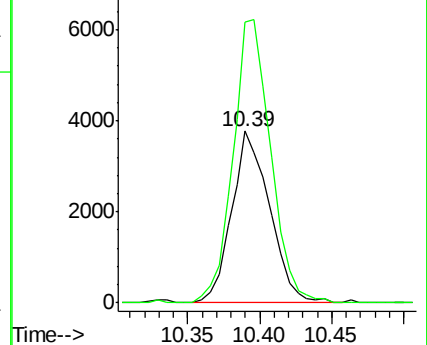
92 100

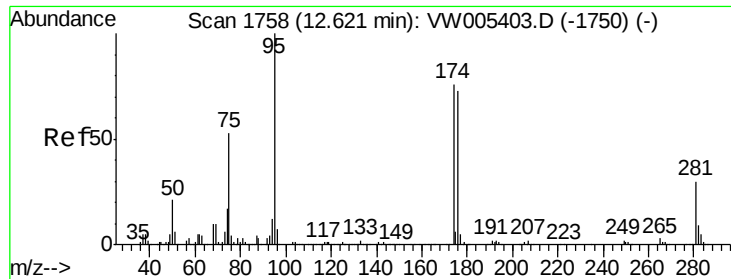
91 163.7 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

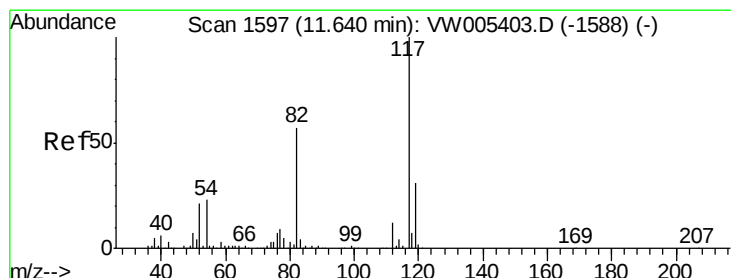
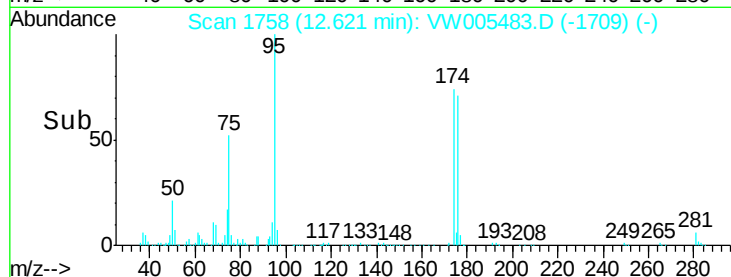
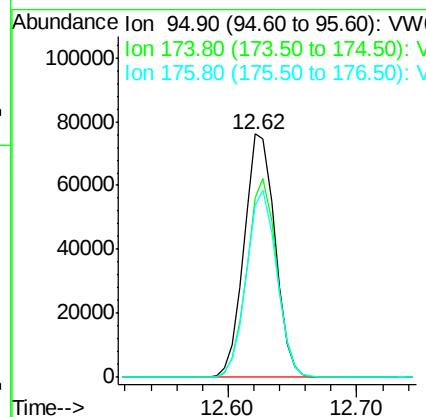
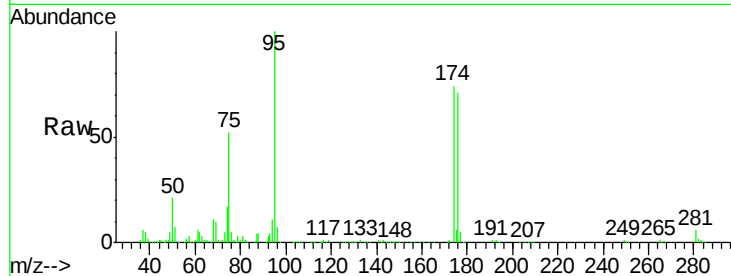




#62
4-Bromofluorobenzene
Concen: 36.60 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005483.D
Acq: 18 Sep 2018 17:05

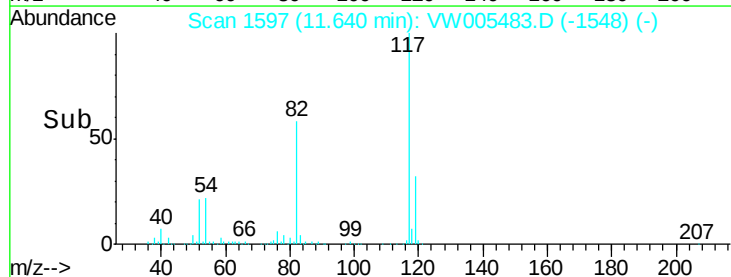
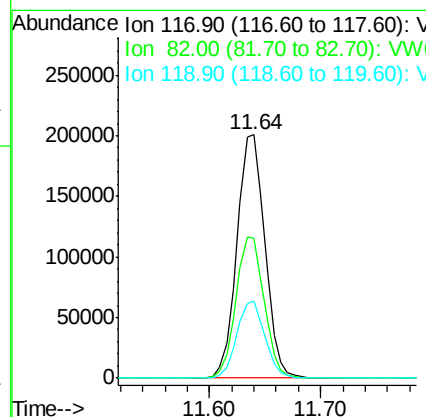
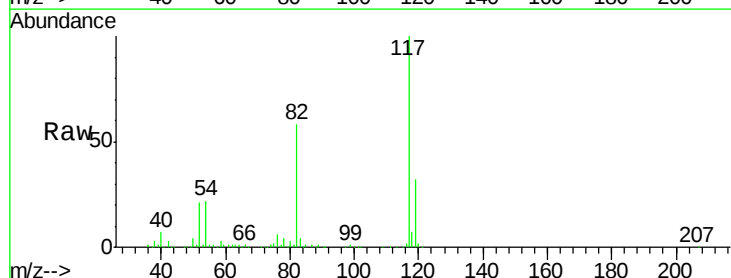
Instrument :
MSVOA_W
ClientSampled :
291

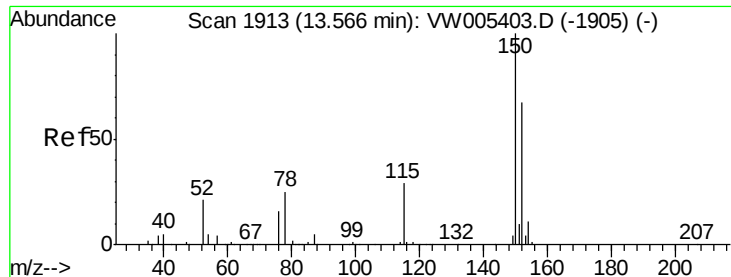
Tot Ion: 95 Resp: 125742
Ion Ratio Lower Upper
95 100
174 78.8 0.0 161.2
176 75.6 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005483.D
Acq: 18 Sep 2018 17:05

Tgt Ion: 117 Resp: 349076
Ion Ratio Lower Upper
117 100
82 57.5 45.9 68.9
119 31.7 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005483.D

Acq: 18 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampleId :

291

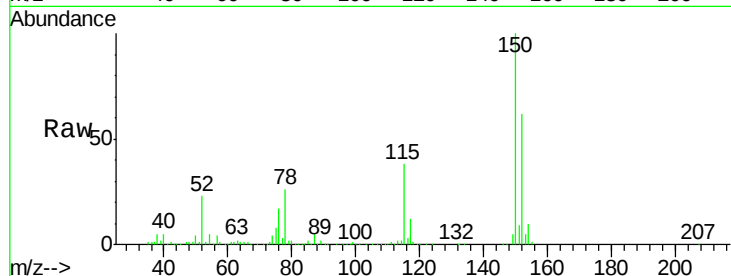
Tot Ion:152 Resp: 158752

Ion Ratio Lower Upper

152 100

115 60.8 29.5 88.5

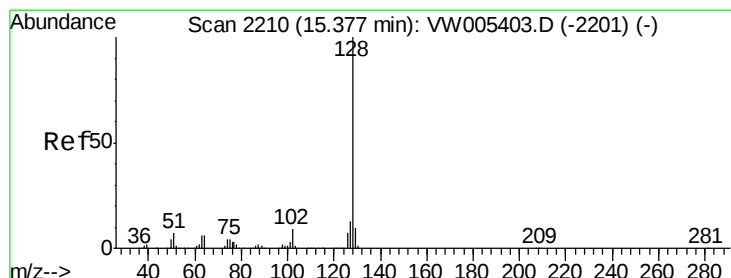
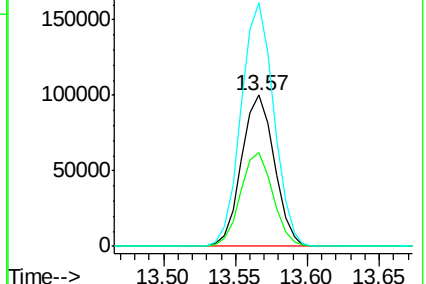
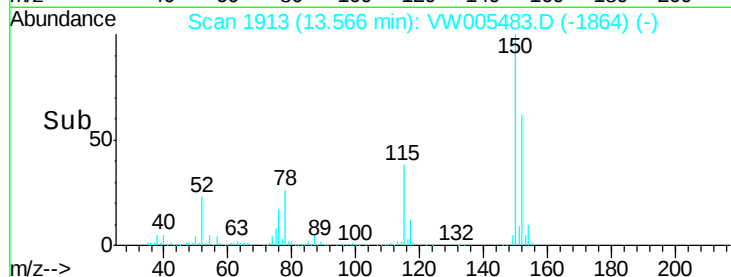
150 160.3 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene

Concen: 3.76 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005483.D

Acq: 18 Sep 2018 17:05

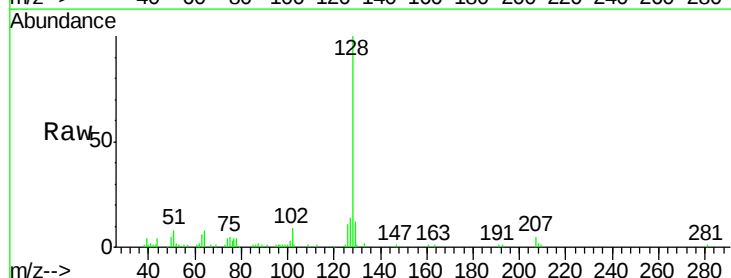
Tgt Ion:128 Resp: 19535

Ion Ratio Lower Upper

128 100

127 14.3 11.0 16.4

129 11.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

