

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041819\
 Data File : VX009039.D
 Acq On : 18 Apr 2019 13:24
 Operator : JC/SP
 Sample : K2448-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006RW153-190415

Quant Time: Apr 19 09:19:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

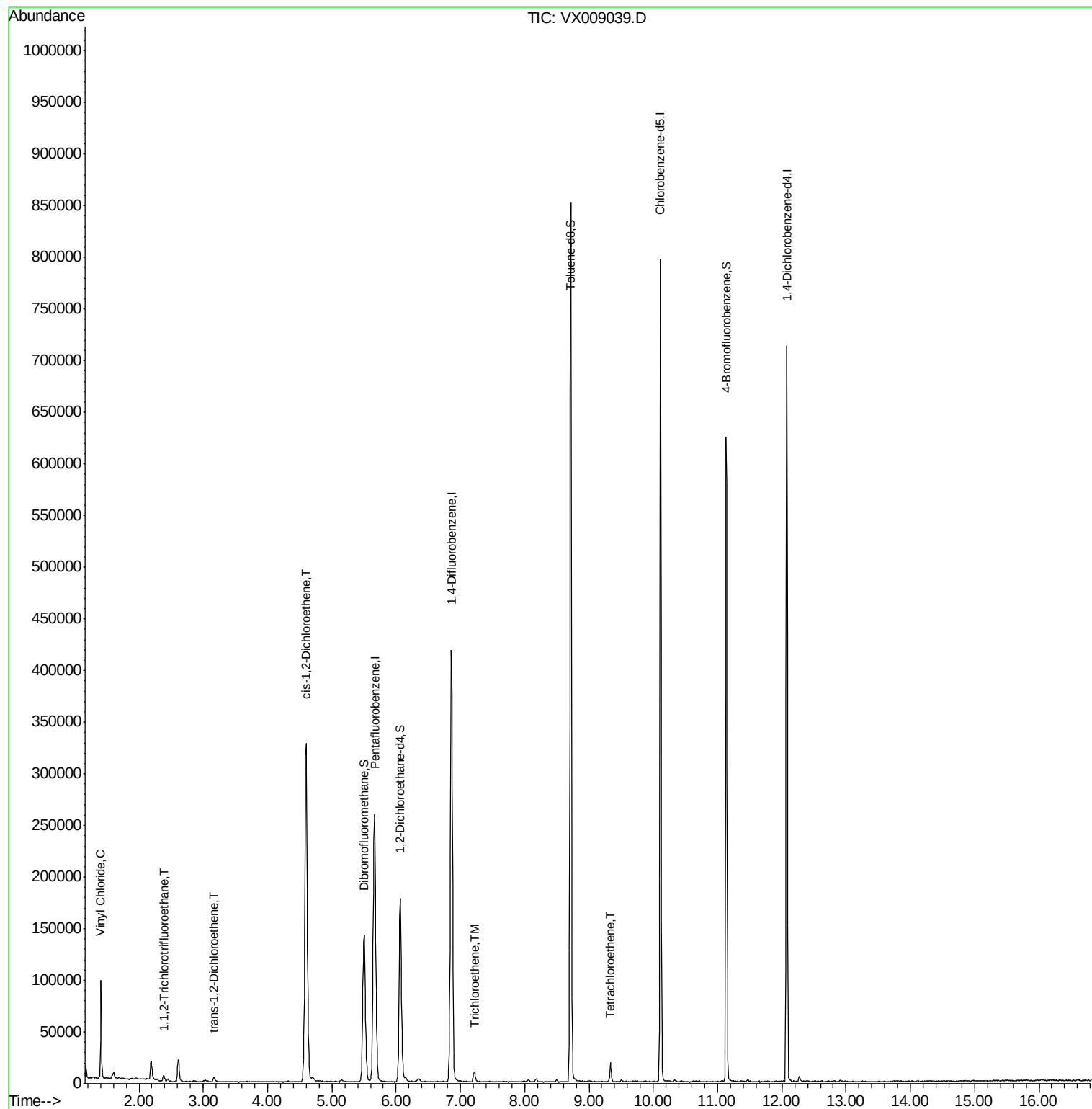
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	404724	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147622	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	167022	47.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.10%	
35) Dibromofluoromethane	5.50	113	122637	47.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.42%	
50) Toluene-d8	8.71	98	499287	48.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.40%	
62) 4-Bromofluorobenzene	11.13	95	165837	45.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.70%	
Target Compounds						
4) Vinyl Chloride	1.40	62	67039	19.541	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2044	0.798	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	1489	0.522	ug/l	88
27) cis-1,2-Dichloroethene	4.60	96	202193	62.460	ug/l	90
44) Trichloroethene	7.22	130	3767	1.245	ug/l	93
64) Tetrachloroethene	9.34	164	3355	1.268	ug/l	99

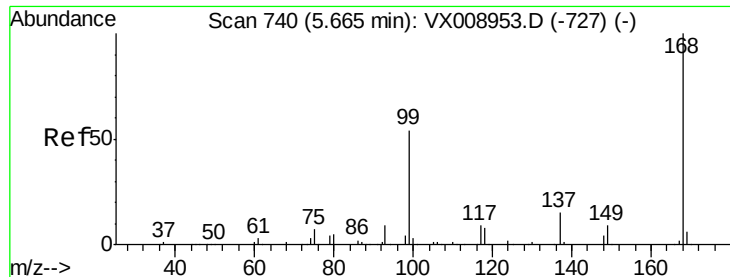
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009039.D

Acq: 18 Apr 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

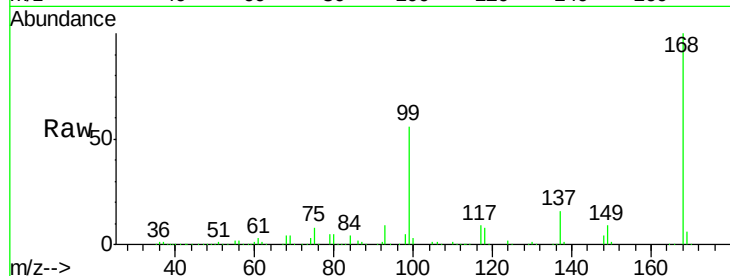
ST006RW153-190415

Tot Ion:168 Resp: 249270

Ion Ratio Lower Upper

168 100

99 56.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

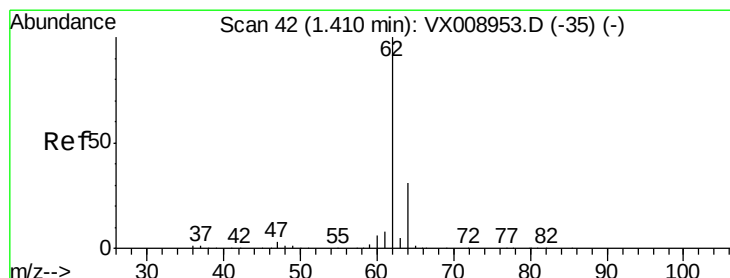
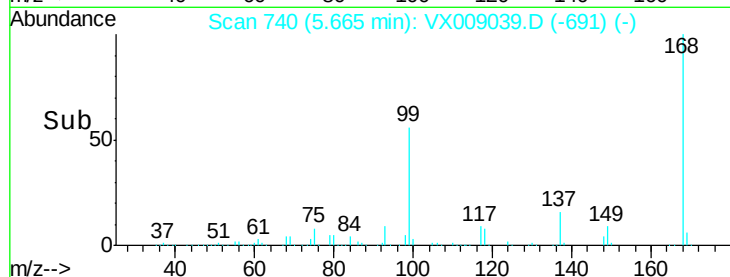
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 19.541 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009039.D

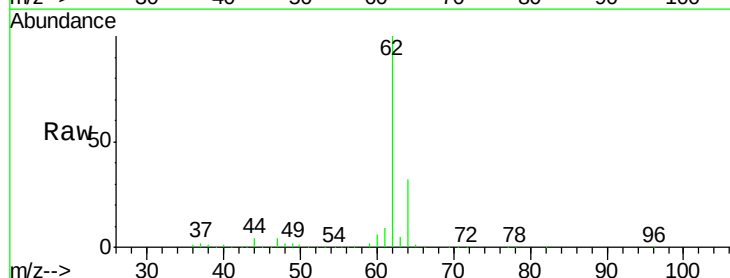
Acq: 18 Apr 2019 13:24

Tgt Ion: 62 Resp: 67039

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

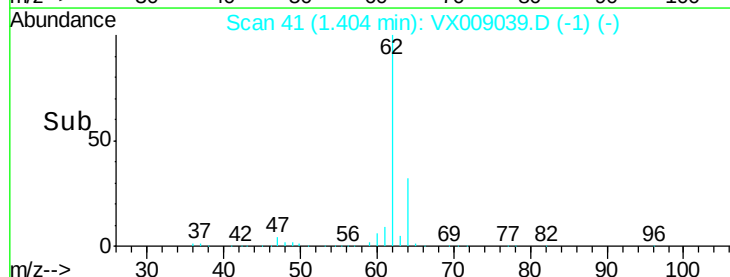
60000

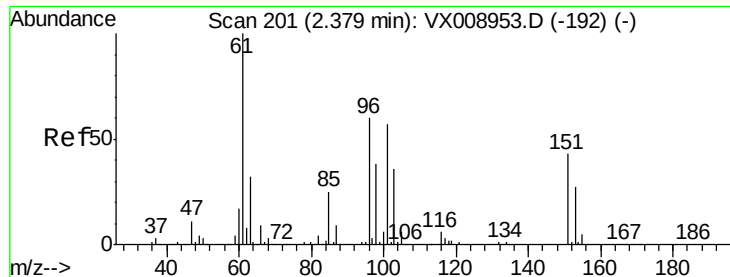
40000

20000

0

Time--> 1.30 1.40 1.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.798 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009039.D

Acq: 18 Apr 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

ST006RW153-190415

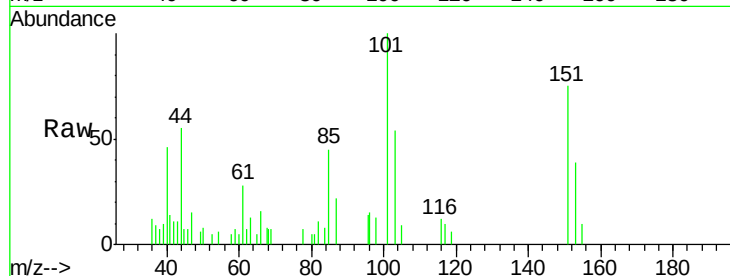
Tot Ion:101 Resp: 2044

Ion Ratio Lower Upper

101 100

85 47.6 35.7 53.5

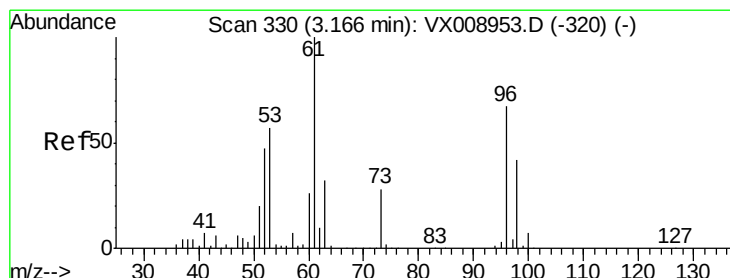
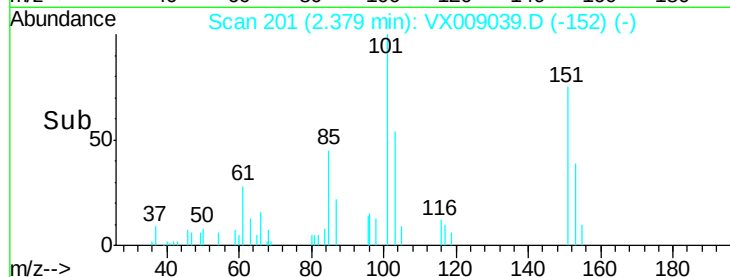
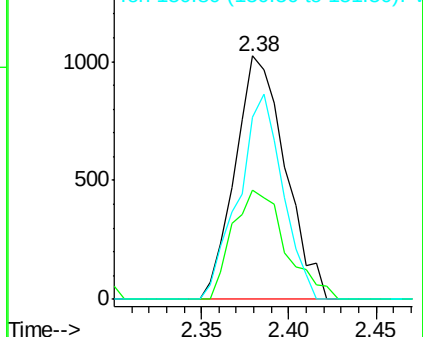
151 73.9 62.7 94.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#21

trans-1,2-Dichloroethene

Concen: 0.522 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009039.D

Acq: 18 Apr 2019 13:24

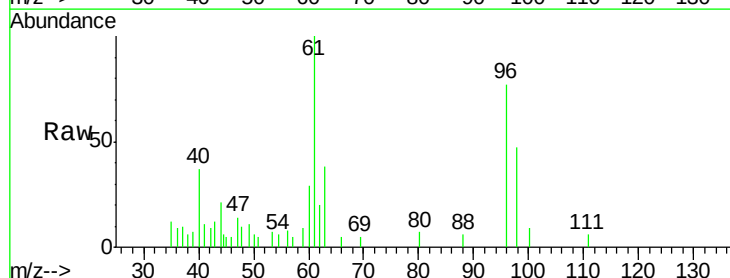
Tgt Ion: 96 Resp: 1489

Ion Ratio Lower Upper

96 100

61 129.4 120.3 180.5

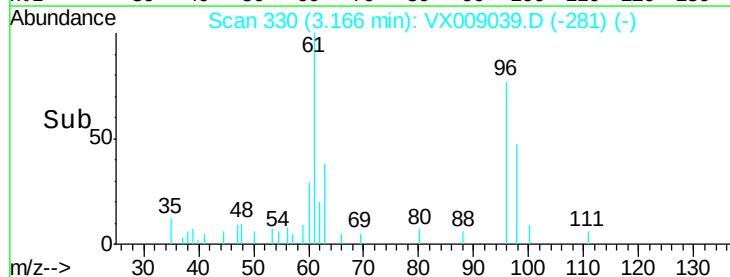
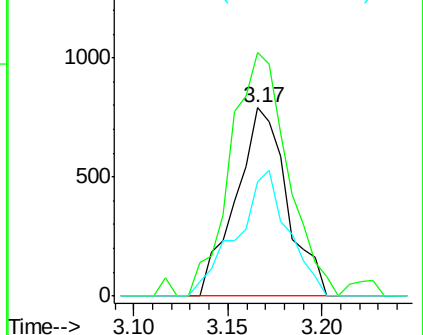
98 61.0 50.2 75.2

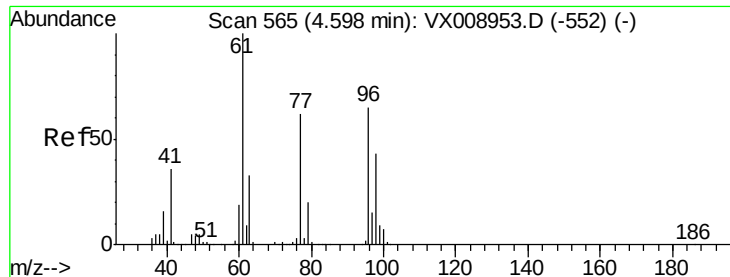


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



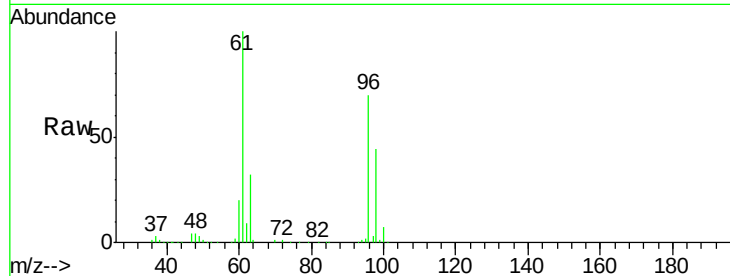


#27

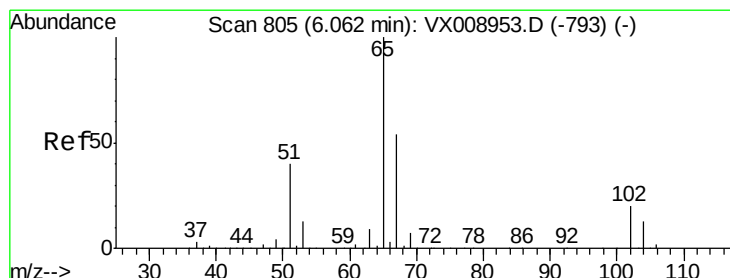
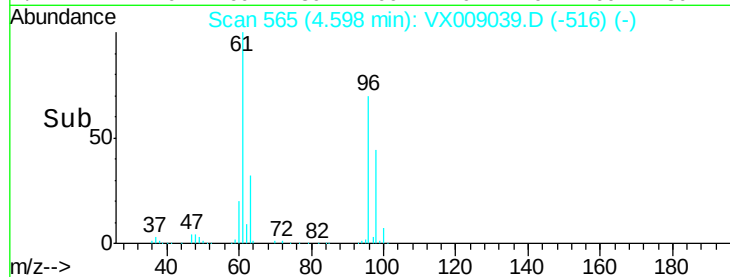
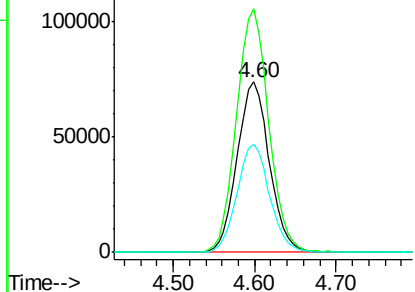
cis-1,2-Dichloroethene
 Concen: 62.460 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX009039.D
 Acq: 18 Apr 2019 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006RW153-190415

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	322.0
98	63.9	0.0	128.4



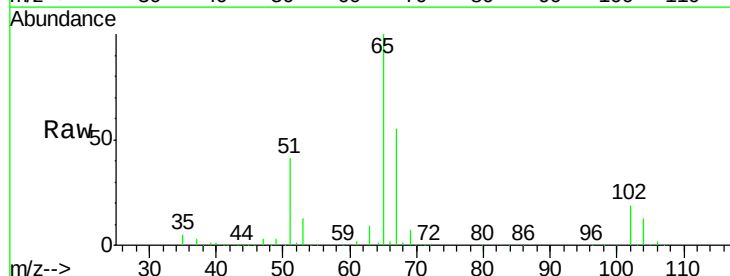
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



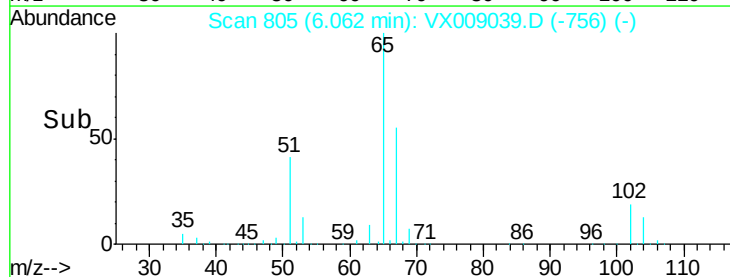
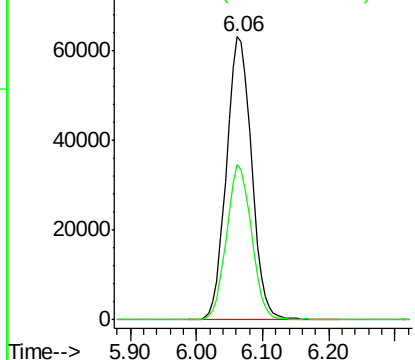
#33

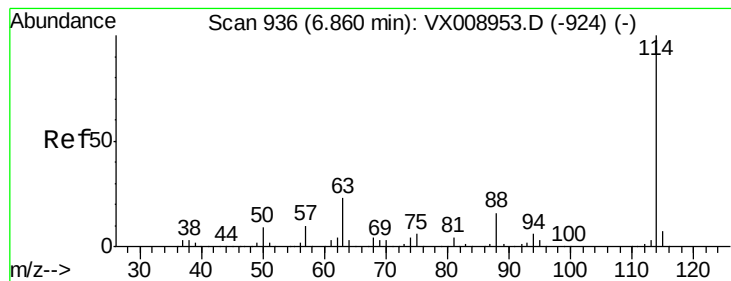
1,2-Dichloroethane-d4
 Concen: 47.545 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009039.D
 Acq: 18 Apr 2019 13:24

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009039.D

Acq: 18 Apr 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

ST006RW153-190415

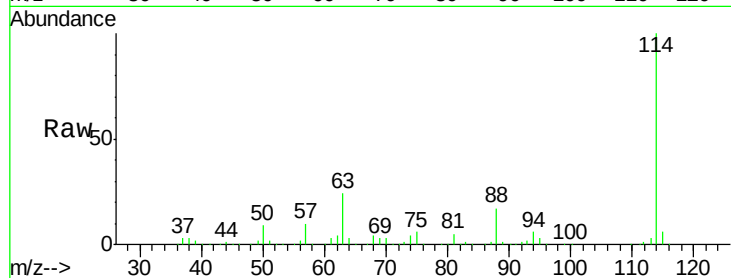
Tot Ion:114 Resp: 404724

Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.0

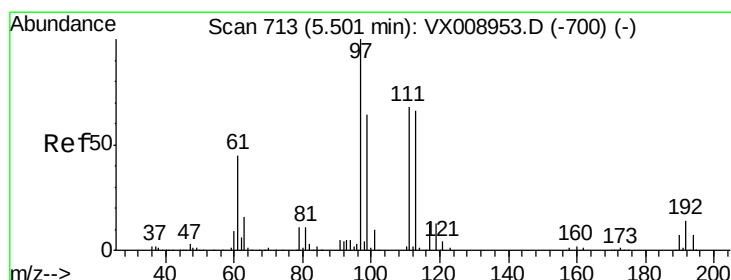
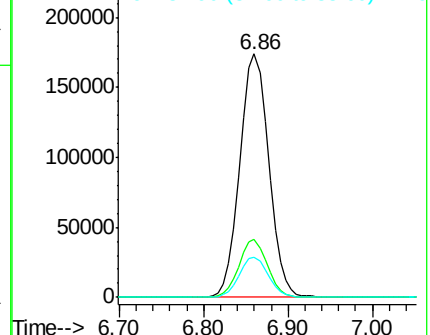
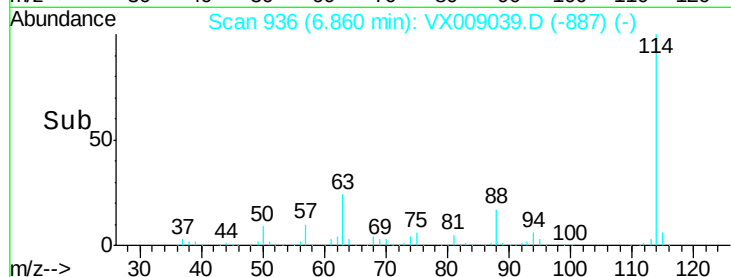
88 16.6 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.215 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009039.D

Acq: 18 Apr 2019 13:24

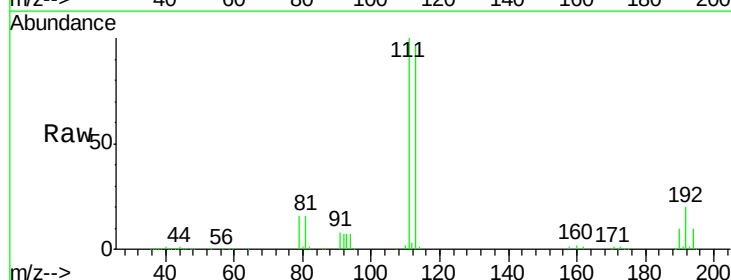
Tgt Ion:113 Resp: 122637

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

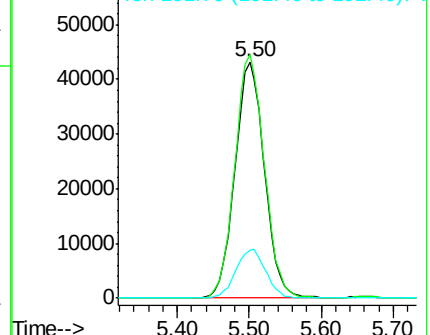
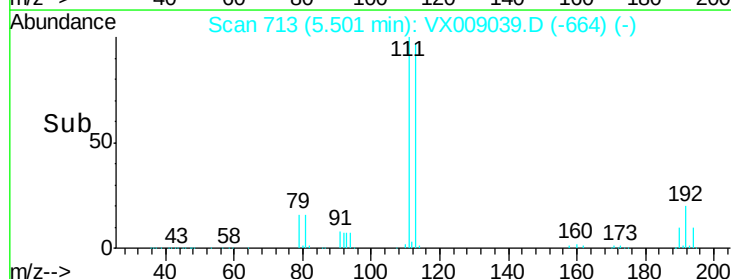
192 21.0 17.4 26.0

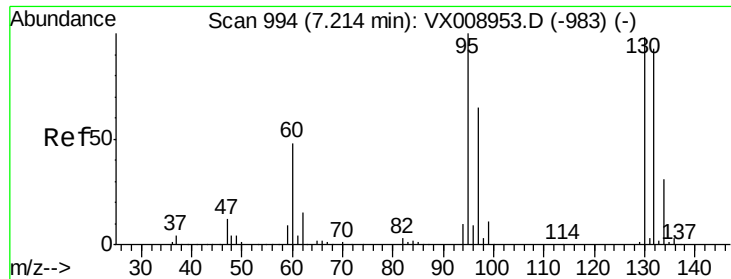


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 1.245 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX009039.D

Acq: 18 Apr 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

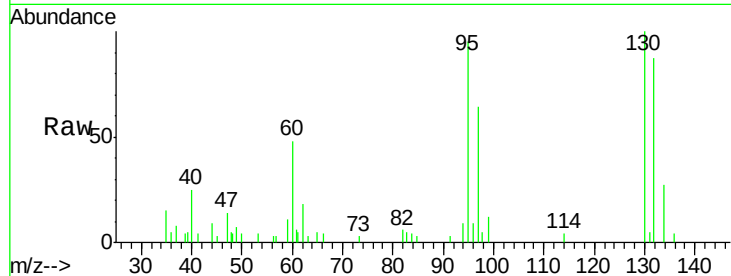
ST006RW153-190415

Tot Ion:130 Resp: 3767

Ion Ratio Lower Upper

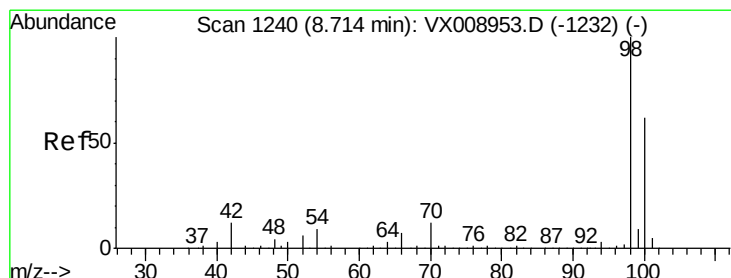
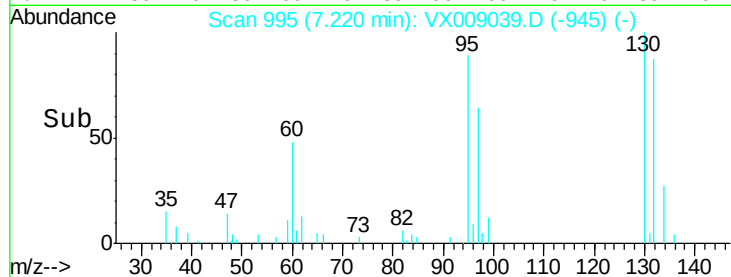
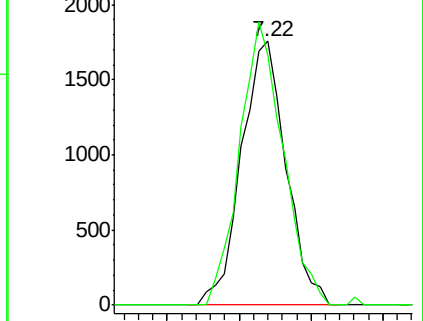
130 100

95 94.7 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.200 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009039.D

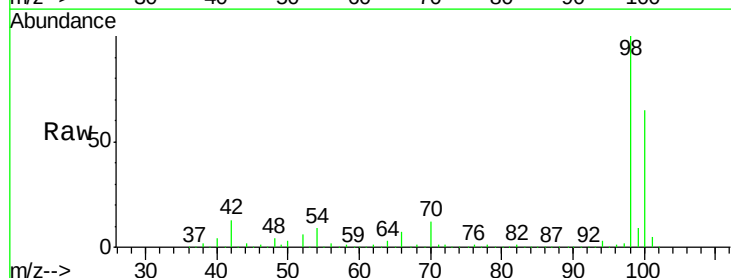
Acq: 18 Apr 2019 13:24

Tgt Ion: 98 Resp: 499287

Ion Ratio Lower Upper

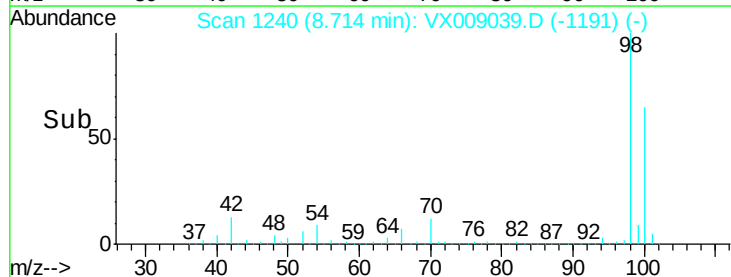
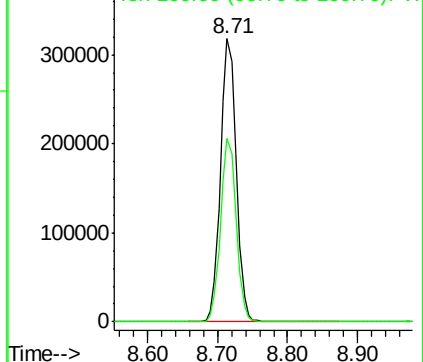
98 100

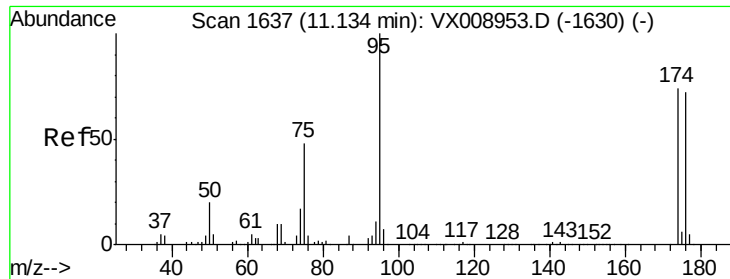
100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.352 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009039.D

Acq: 18 Apr 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

ST006RW153-190415

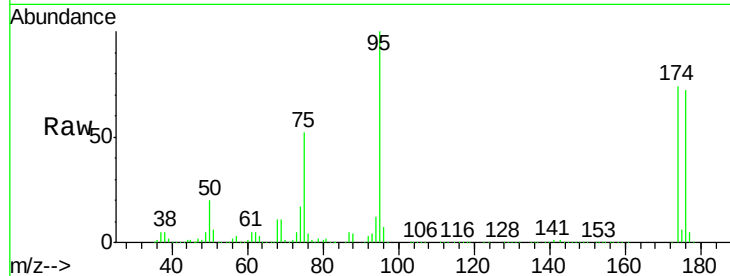
Tot Ion: 95 Resp: 165837

Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.6

176 75.9 0.0 154.8

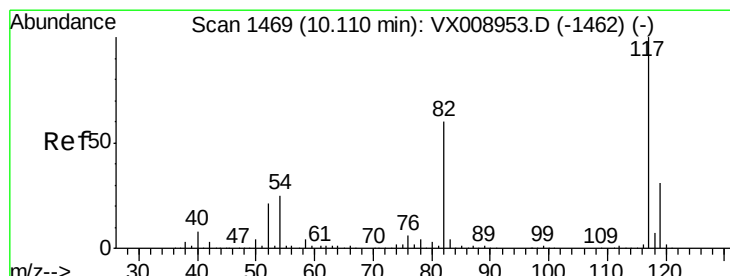
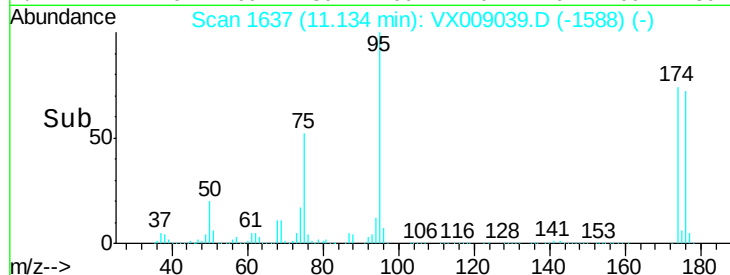


Abundance Ion 94.90 (94.60 to 95.60): VX008953.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008953.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008953.D (-1630) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009039.D

Acq: 18 Apr 2019 13:24

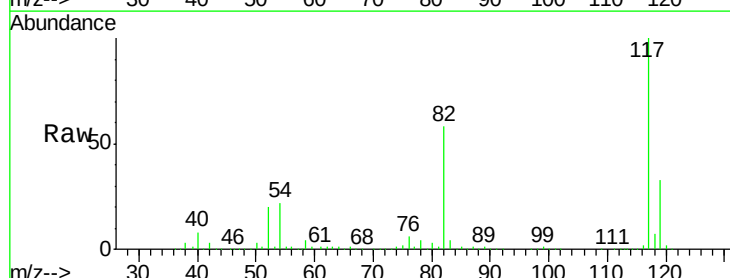
Tgt Ion: 117 Resp: 348337

Ion Ratio Lower Upper

117 100

82 58.3 48.2 72.4

119 32.7 25.0 37.6

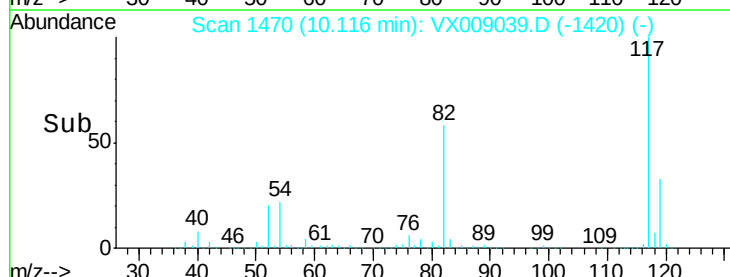


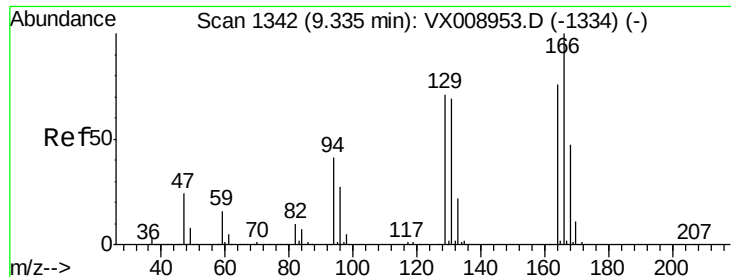
Abundance Ion 116.90 (116.60 to 117.60): VX008953.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008953.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008953.D (-1462) (-)

Time-->

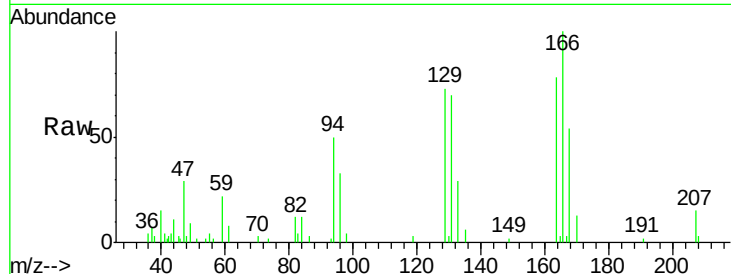




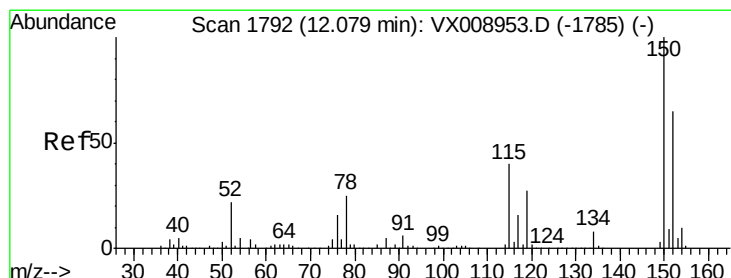
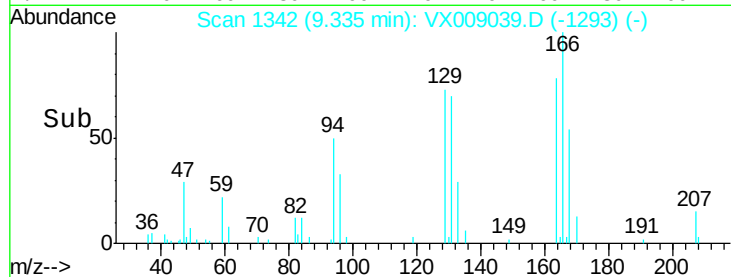
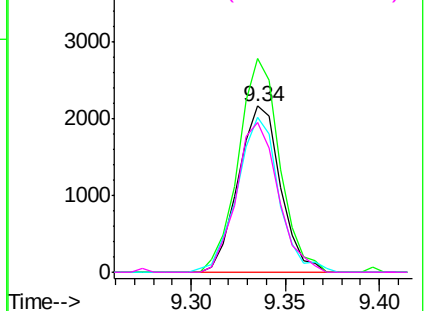
#64
Tetrachloroethene
Concen: 1.268 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009039.D
Acq: 18 Apr 2019 13:24

Instrument :
MSVOA_X
ClientSampleId :
ST006RW153-190415

Tot Ion:164 Resp: 3355
Ion Ratio Lower Upper
164 100
166 128.6 105.0 157.4
129 93.4 74.2 111.4
131 90.3 72.2 108.2

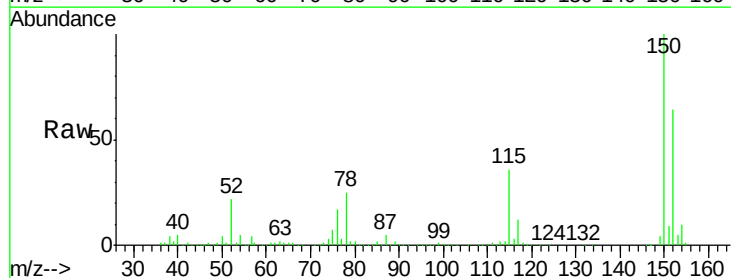


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009039.D
Acq: 18 Apr 2019 13:24

Tgt Ion:152 Resp: 147622
Ion Ratio Lower Upper
152 100
115 59.2 41.4 124.2
150 157.0 0.0 349.8



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

