

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\
 Data File : VX003061.D
 Acq On : 30 Jun 2018 06:02
 Operator : JC/MD
 Sample : J3675-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 30 06:24:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	302643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	422977	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	396993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	197591	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
35) Dibromofluoromethane	5.51	113	160590	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	8.72	98	587428	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.14	95	217477	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	

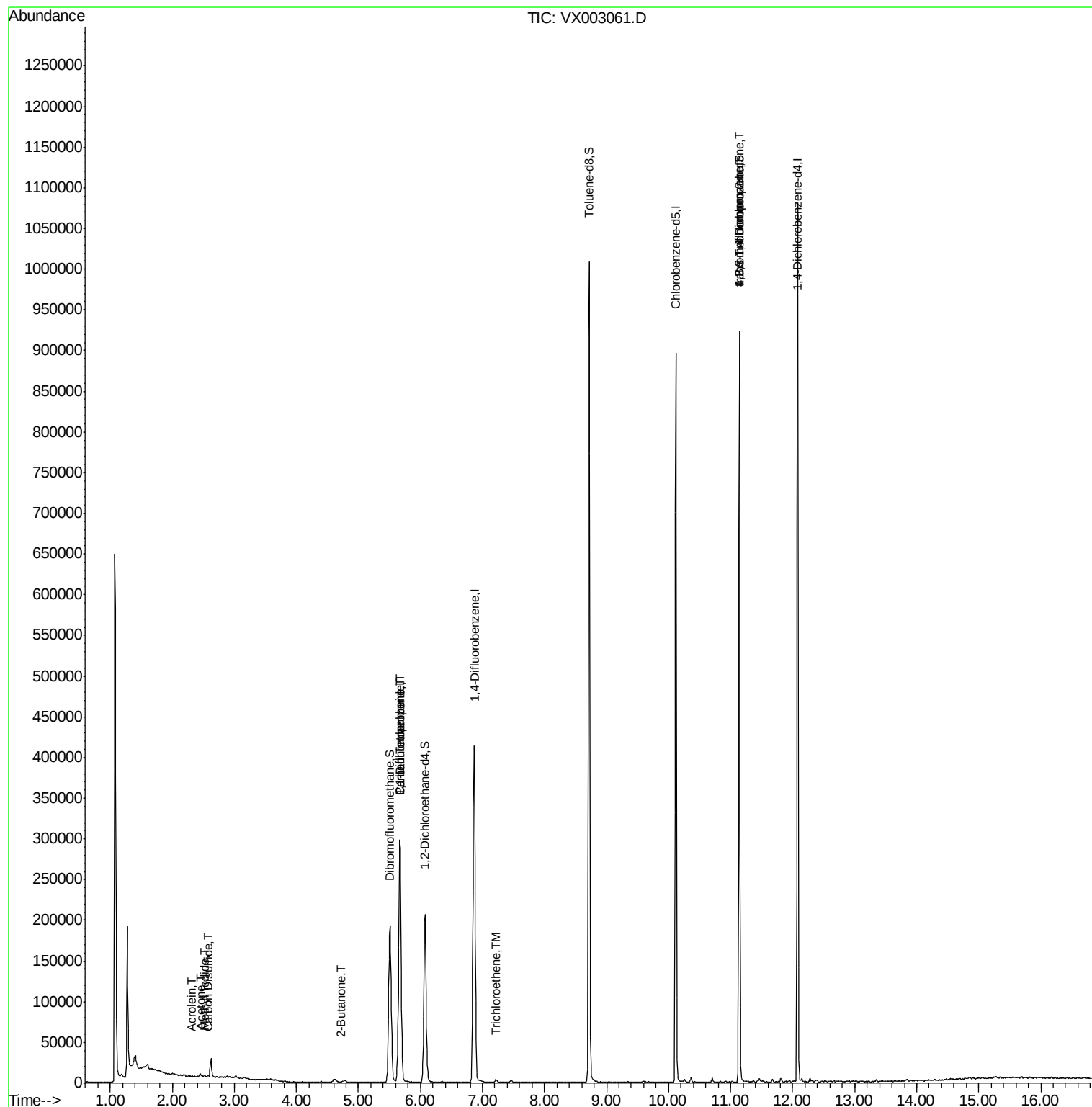
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	150	Below Cal	#	43
3) Chloromethane	1.32	50	872	Below Cal	#	82
5) Bromomethane	1.65	94	1263	Below Cal		94
6) Chloroethane	1.90	64	347	Below Cal	#	43
10) Methyl Iodide	2.51	142	1766	6.68	ug/l	99
13) Acrolein	2.31	56	221	4.70	ug/l	# 57
16) Acetone	2.45	43	4033	2.33	ug/l	# 88
17) Carbon Disulfide	2.57	76	2094	0.26	ug/l	98
25) 2-Butanone	4.72	43	839	0.33	ug/l	98
36) 1,1-Dichloropropene	5.67	75	19852	4.28	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	26901	5.28	ug/l	# 17
44) Trichloroethene	7.21	130	1172	0.29	ug/l	91
76) 1,2,3-Trichloropropane	11.14	75	109909	26.27	ug/l	# 32
81) trans-1,4-Dichloro-2-buten	11.14	75	109909	74.47	ug/l	# 7

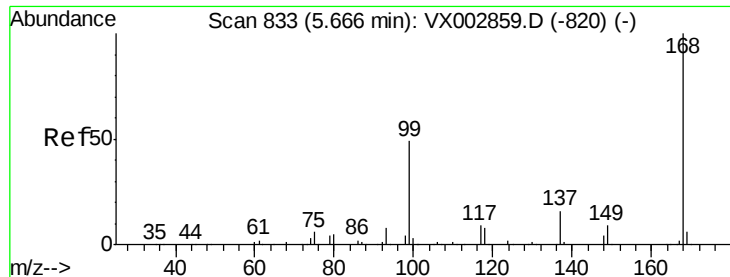
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003061.D

Acq: 30 Jun 2018 06:02

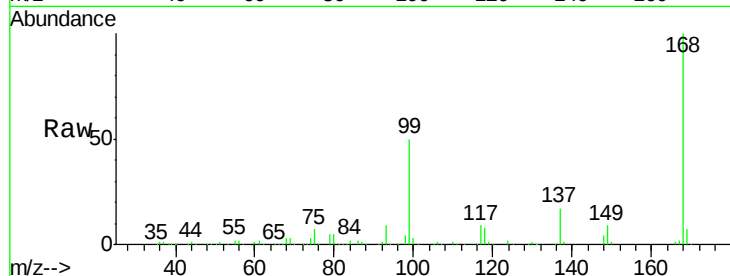
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 302643

Ion Ratio Lower Upper

168 100

99 49.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

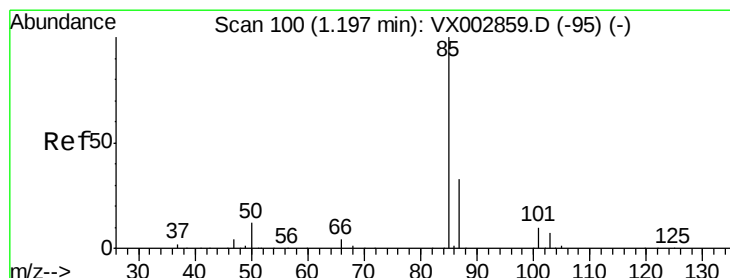
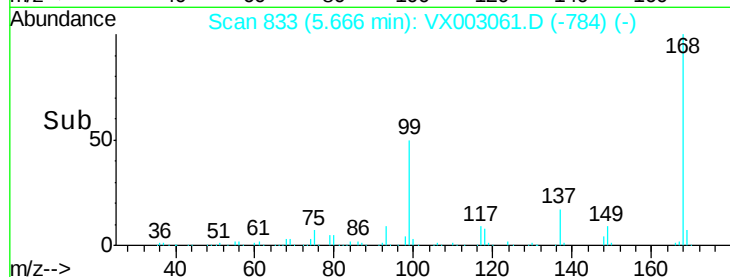
40000

20000

0

Time-->

5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003061.D

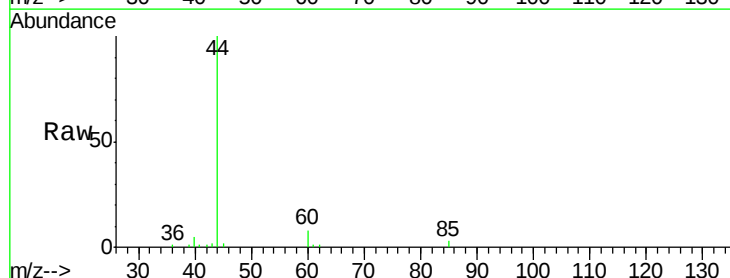
Acq: 30 Jun 2018 06:02

Tgt Ion: 85 Resp: 150

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150

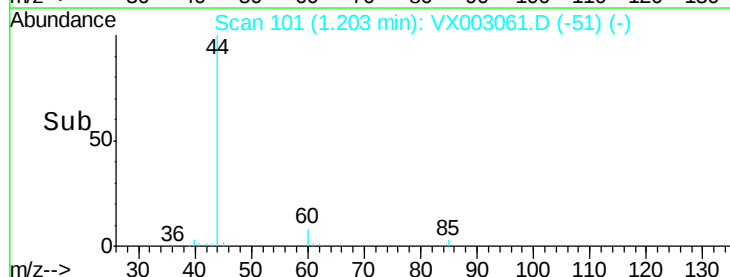
100

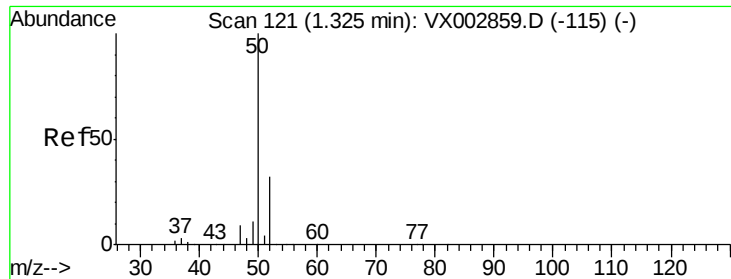
50

0

Time-->

1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003061.D

Acq: 30 Jun 2018 06:02

Instrument :

MSVOA_X

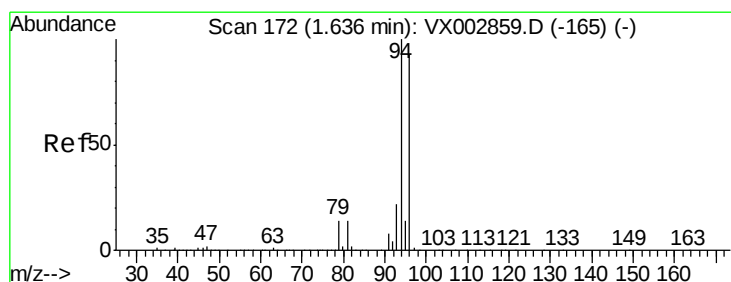
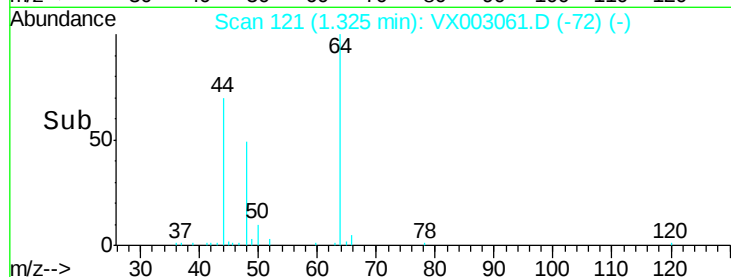
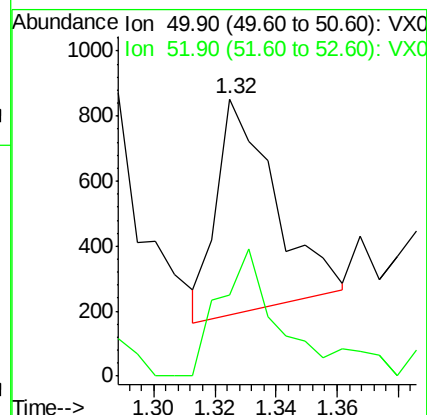
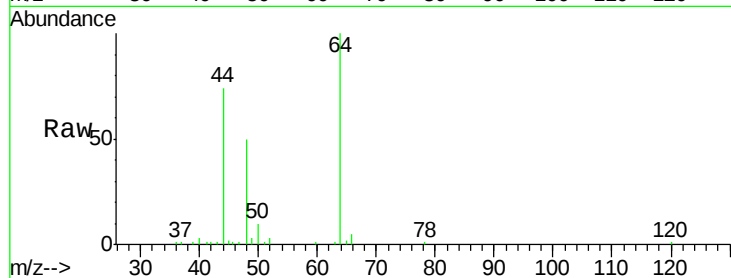
ClientSampleId :

Tot Ion: 50 Resp: 872

Ion Ratio Lower Upper

50 100

52 42.2 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003061.D

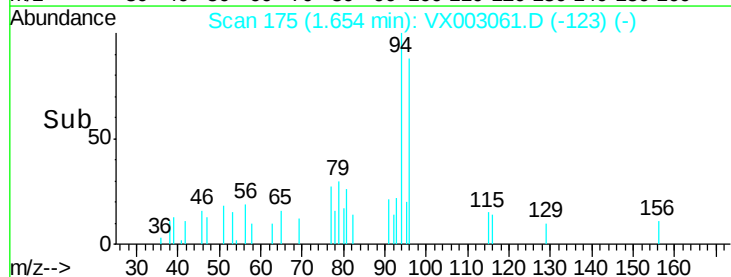
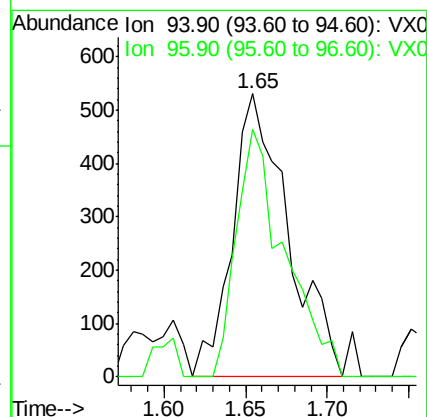
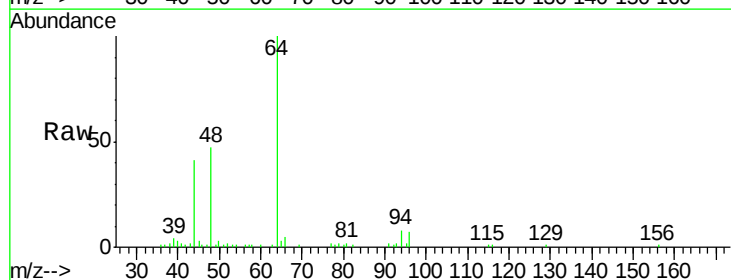
Acq: 30 Jun 2018 06:02

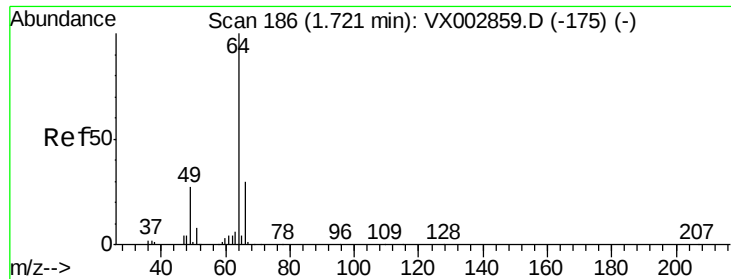
Tgt Ion: 94 Resp: 1263

Ion Ratio Lower Upper

94 100

96 87.6 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.90 min Scan# 216

Delta R.T. 0.18 min

Lab File: VX003061.D

Acq: 30 Jun 2018 06:02

Instrument :

MSVOA_X

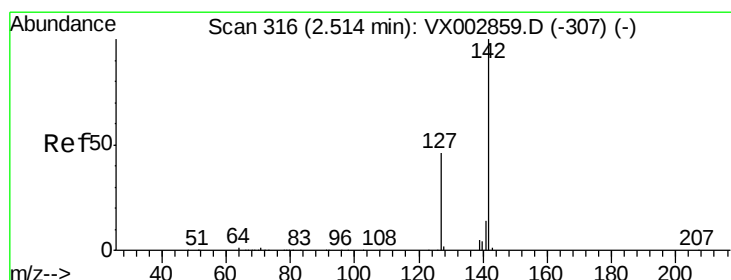
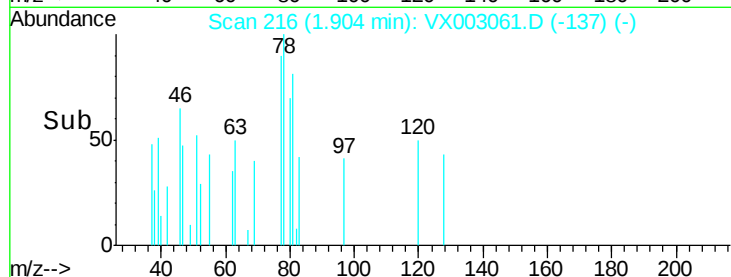
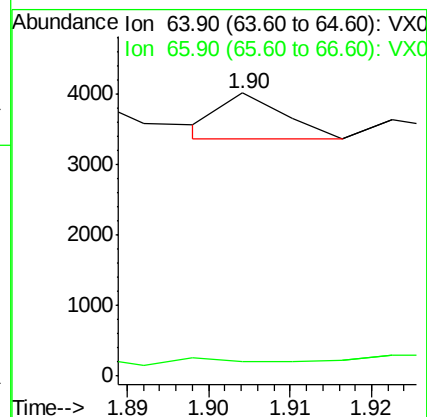
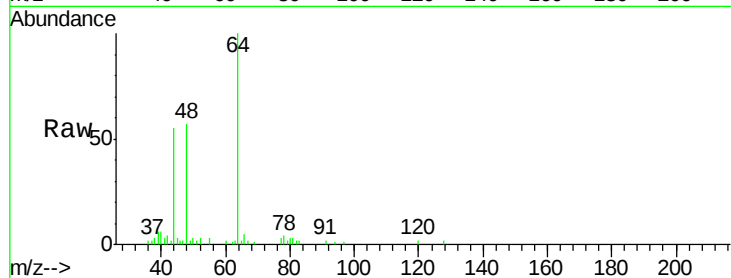
ClientSampleId :

Tot Ion: 64 Resp: 347

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 6.68 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003061.D

Acq: 30 Jun 2018 06:02

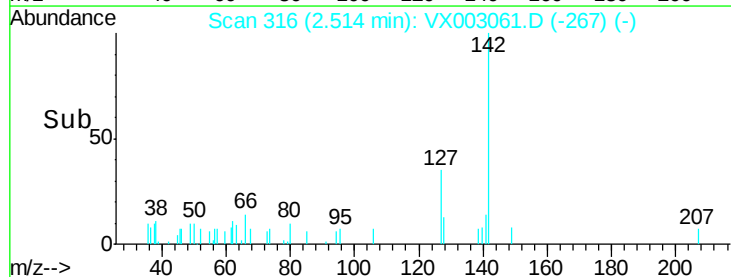
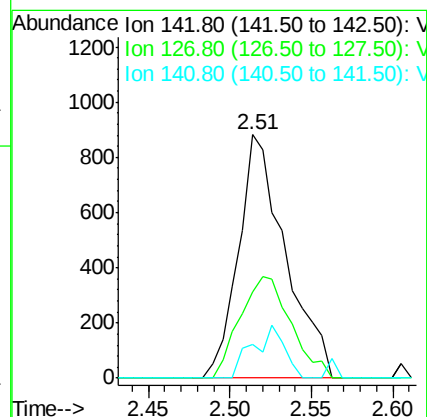
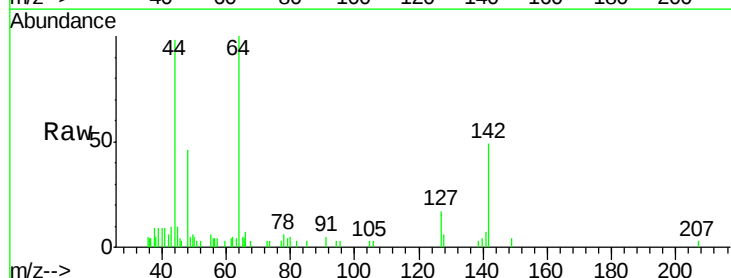
Tgt Ion:142 Resp: 1766

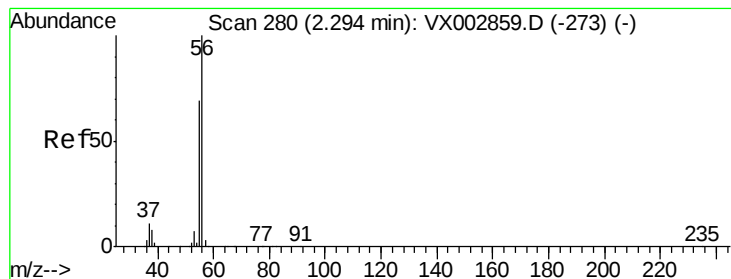
Ion Ratio Lower Upper

142 100

127 45.4 36.6 55.0

141 14.5 11.3 16.9





#13

Acrolein

Concen: 4.70 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX003061.D

Acq: 30 Jun 2018 06:02

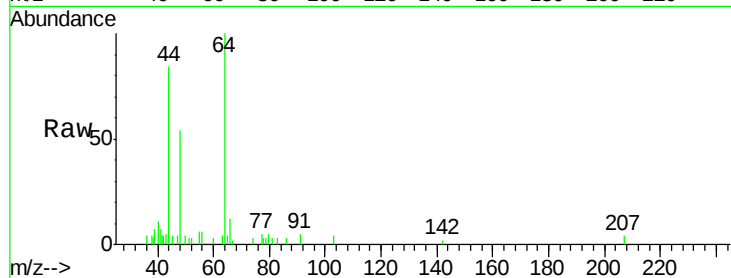
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 221

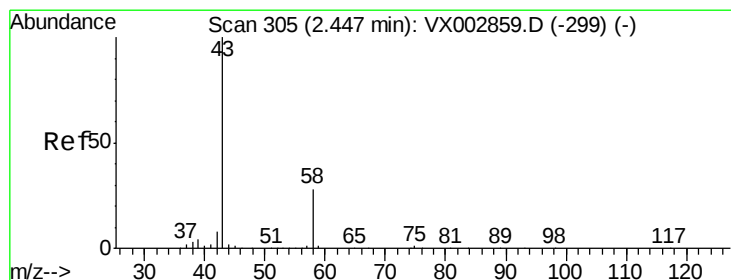
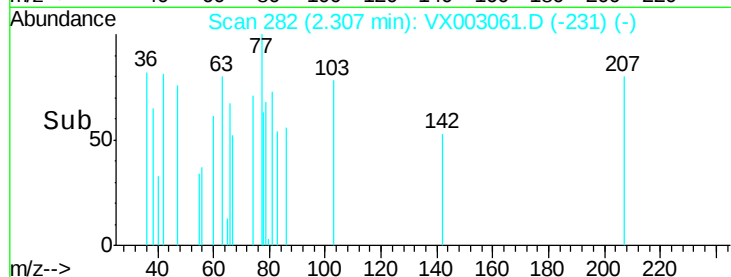
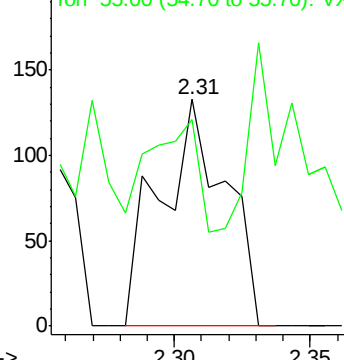
Ion Ratio Lower Upper

56 100

55 35.7 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.33 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003061.D

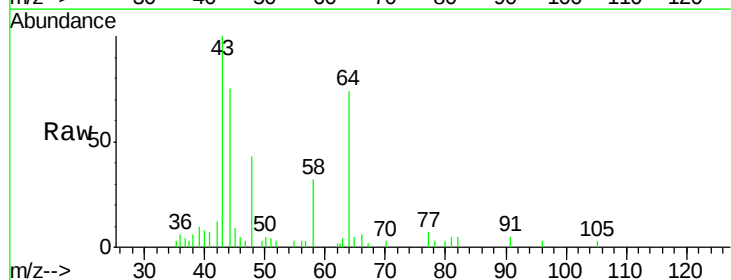
Acq: 30 Jun 2018 06:02

Tgt Ion: 43 Resp: 4033

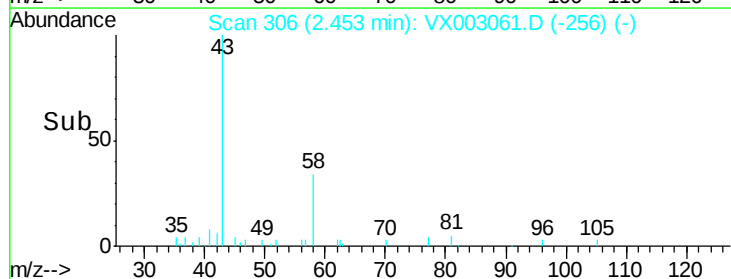
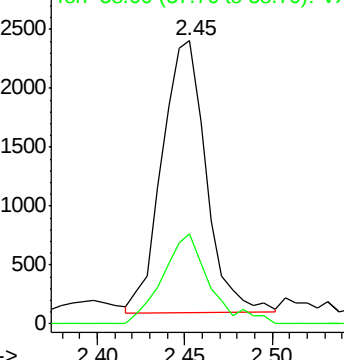
Ion Ratio Lower Upper

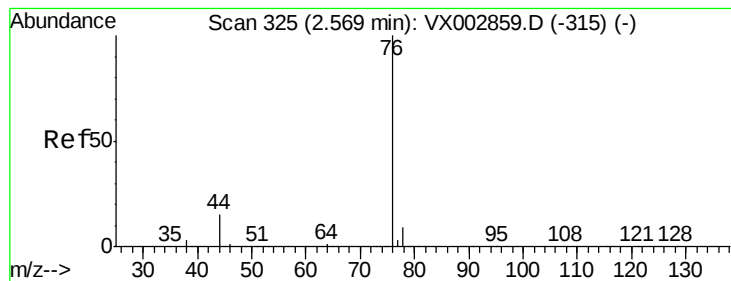
43 100

58 33.8 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.26 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003061.D

Acq: 30 Jun 2018 06:02

Instrument :

MSVOA_X

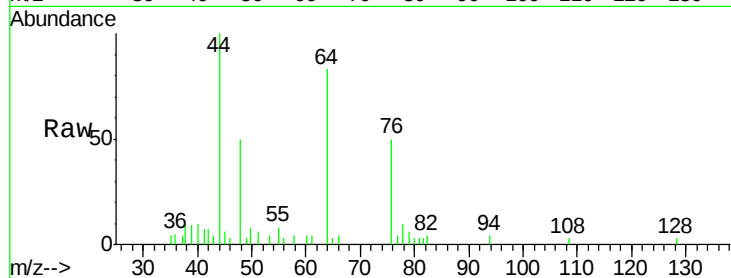
ClientSampled :

Tot Ion: 76 Resp: 2094

Ion Ratio Lower Upper

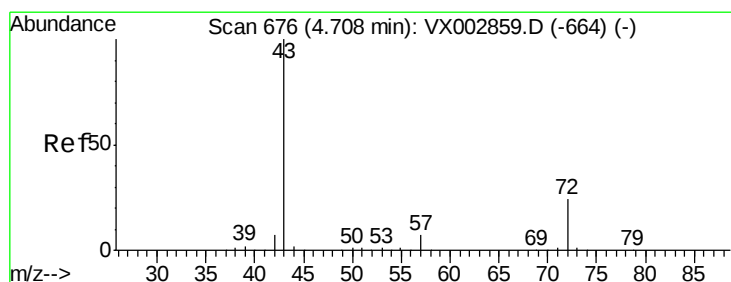
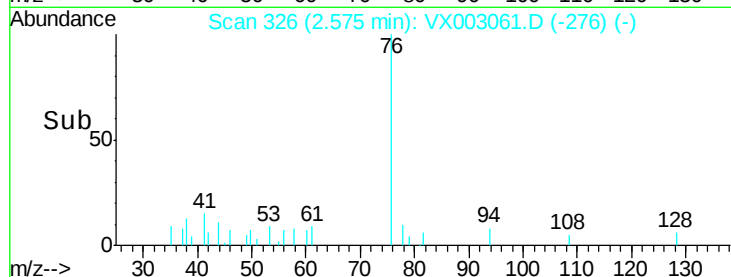
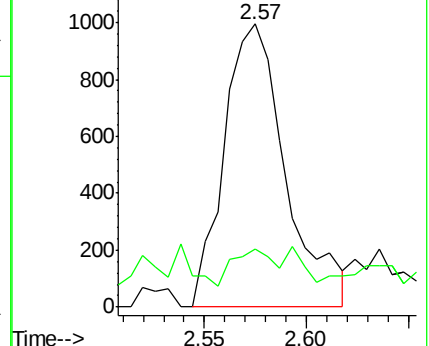
76 100

78 9.4 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.33 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003061.D

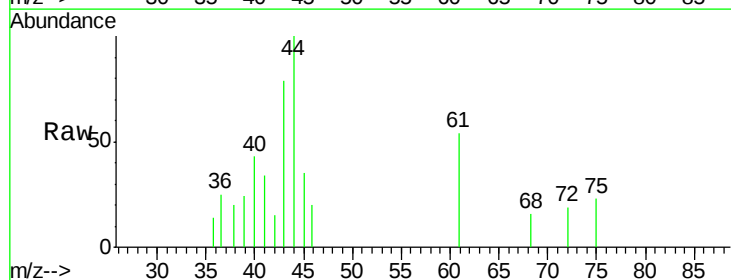
Acq: 30 Jun 2018 06:02

Tgt Ion: 43 Resp: 839

Ion Ratio Lower Upper

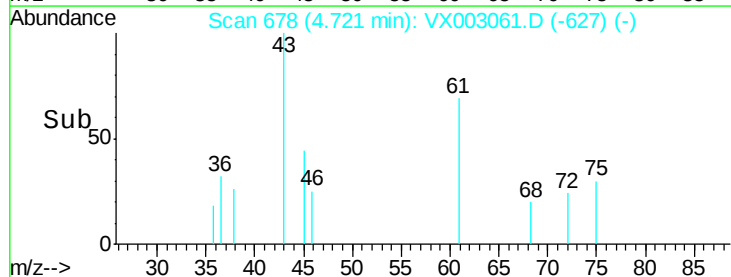
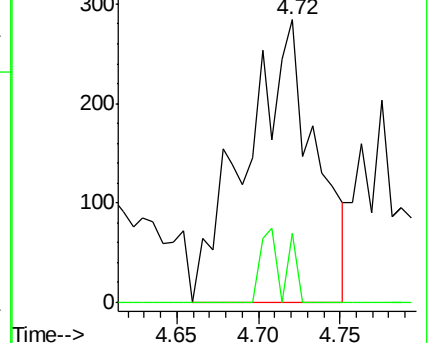
43 100

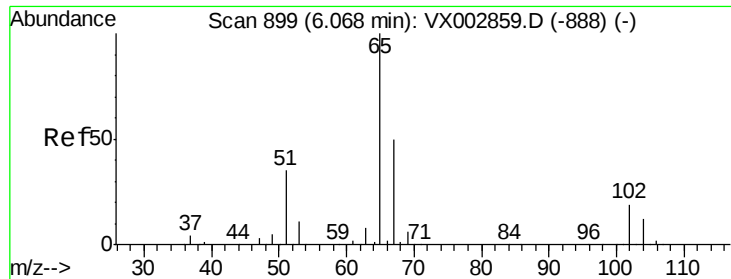
72 24.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

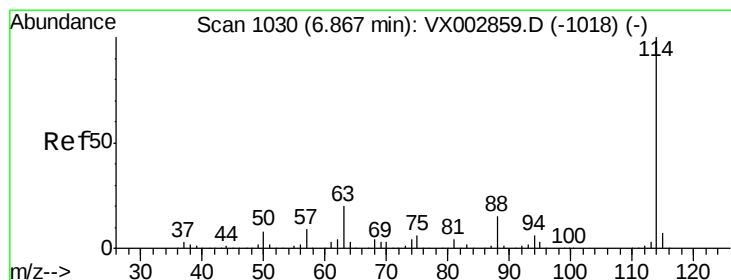
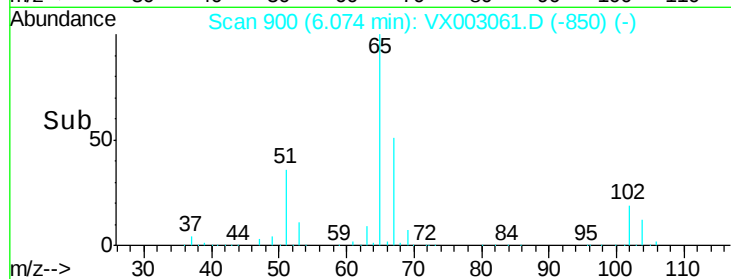
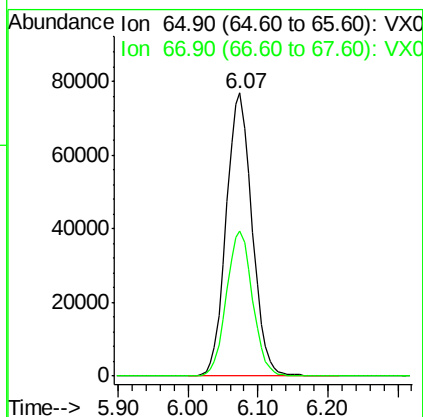
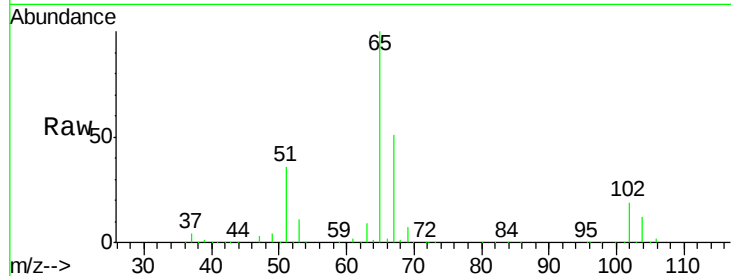




#33
 1,2-Dichloroethane-d4
 Concen: 47.24 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003061.D
 Acq: 30 Jun 2018 06:02

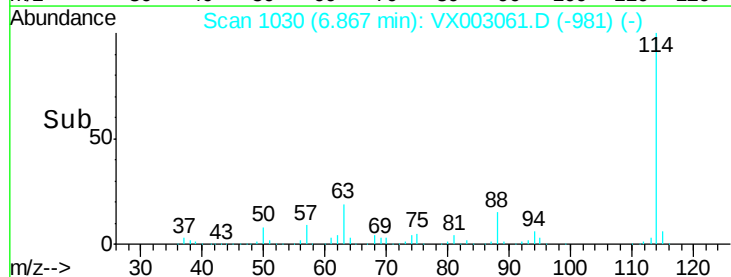
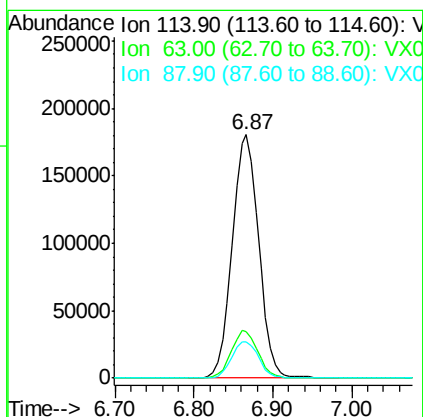
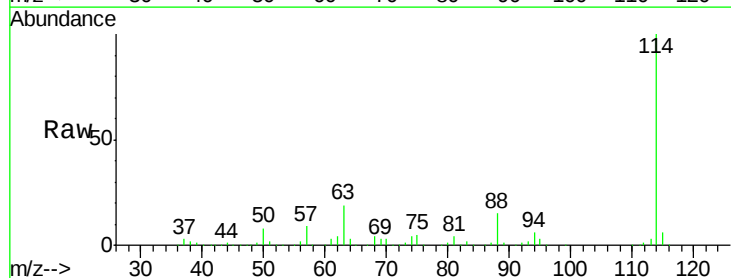
Instrument :
 MSVOA_X
 ClientSampleId :

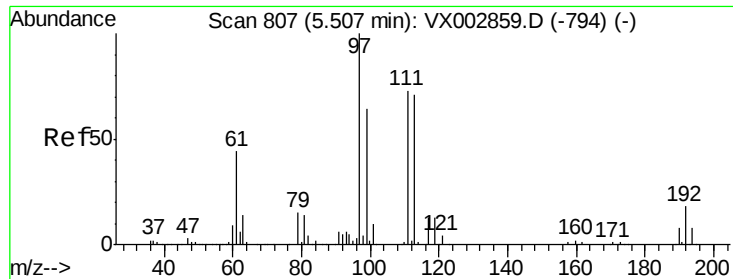
Tot Ion: 65 Resp: 197591
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003061.D
 Acq: 30 Jun 2018 06:02

Tgt Ion: 114 Resp: 422977
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.94 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003061.D

Acq: 30 Jun 2018 06:02

Instrument :

MSVOA_X

ClientSampleId :

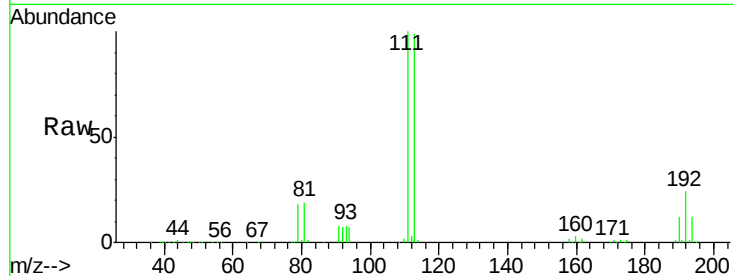
Tot Ion:113 Resp: 160590

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.0

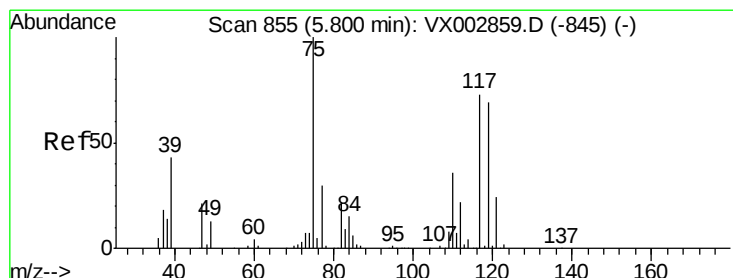
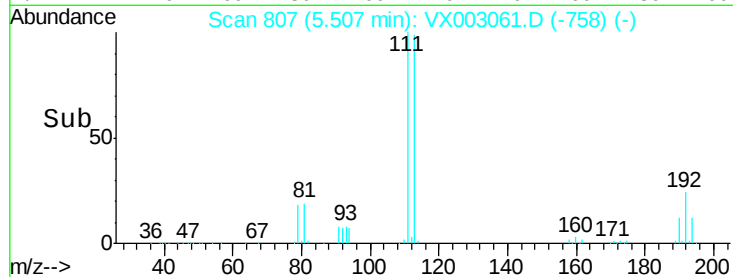
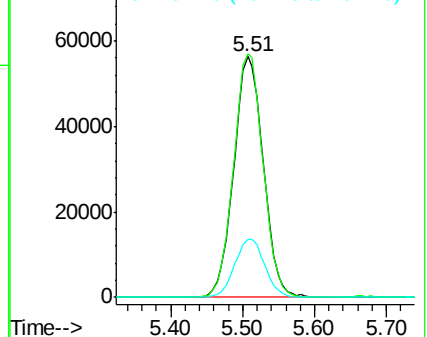
192 24.7 19.1 28.7



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



#36

1,1-Dichloropropene

Concen: 4.28 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003061.D

Acq: 30 Jun 2018 06:02

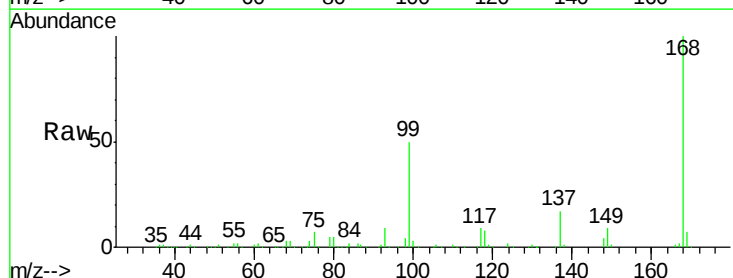
Tgt Ion: 75 Resp: 19852

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.4#

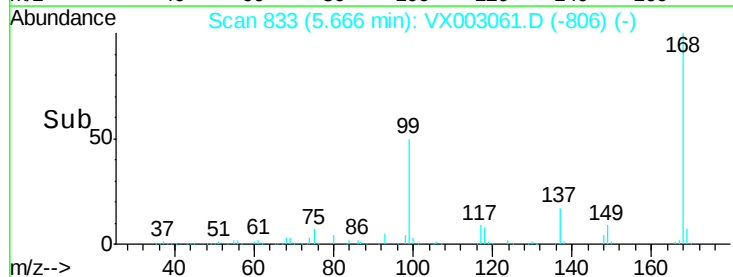
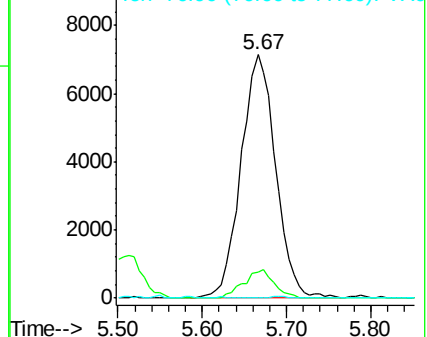
77 0.3 24.3 36.5#

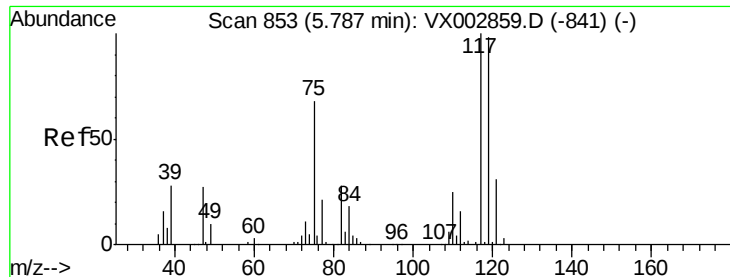


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.28 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003061.D

Acq: 30 Jun 2018 06:02

Instrument :

MSVOA_X

ClientSampled :

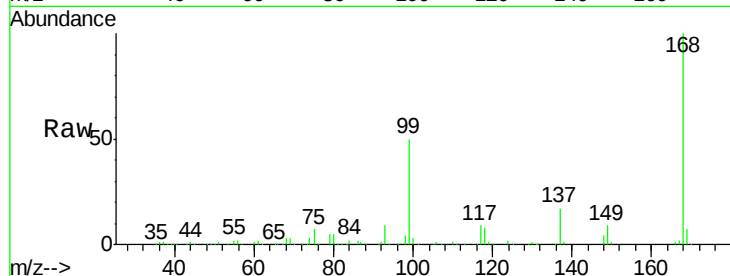
Tot Ion:117 Resp: 26901

Ion Ratio Lower Upper

117 100

119 7.3 77.4 116.0#

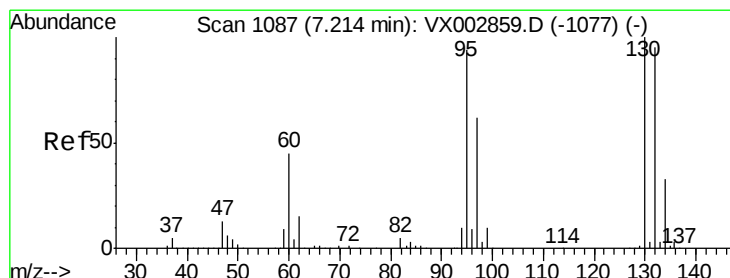
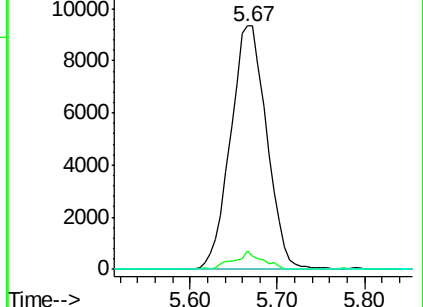
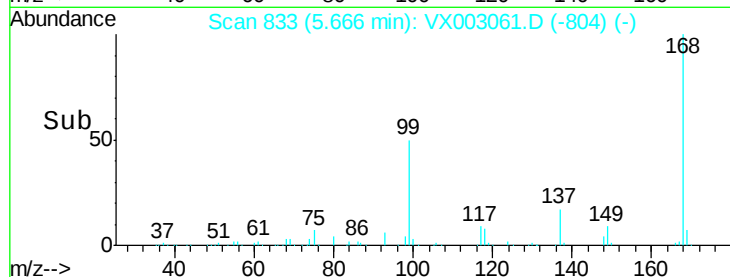
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.29 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003061.D

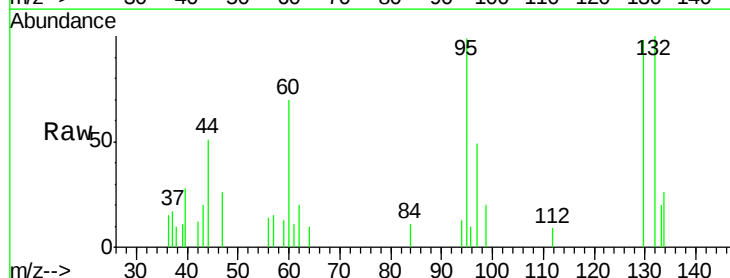
Acq: 30 Jun 2018 06:02

Tgt Ion:130 Resp: 1172

Ion Ratio Lower Upper

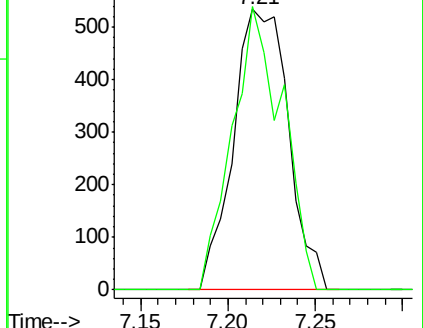
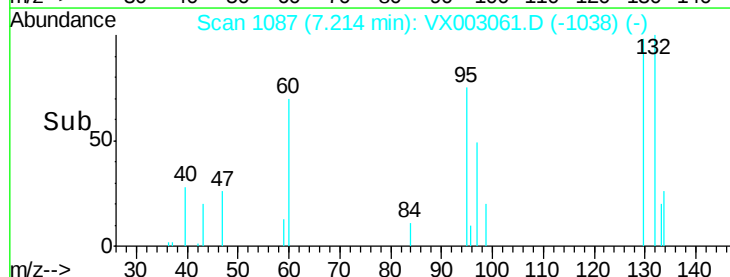
130 100

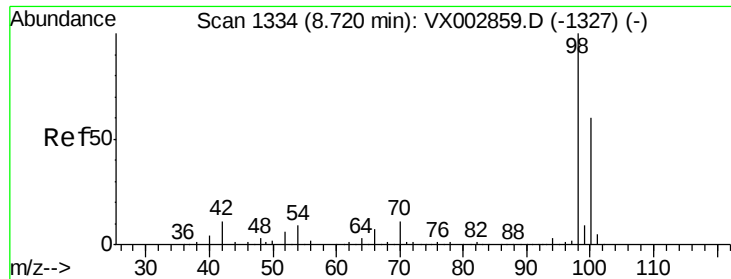
95 100.9 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

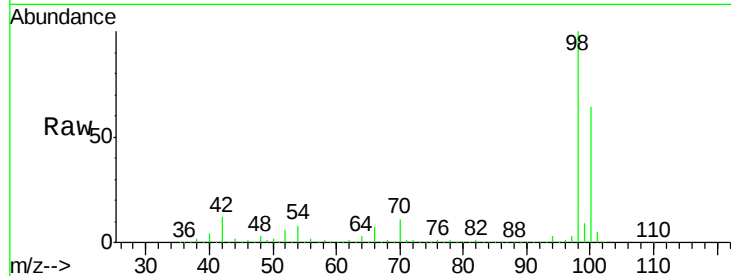




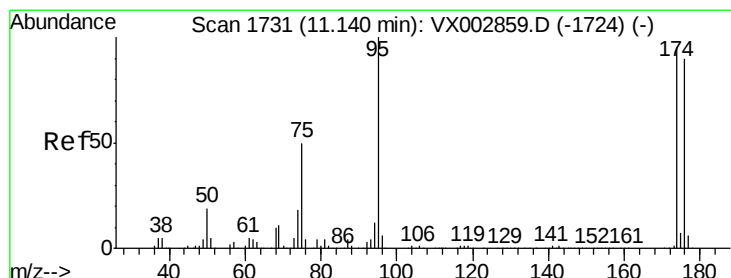
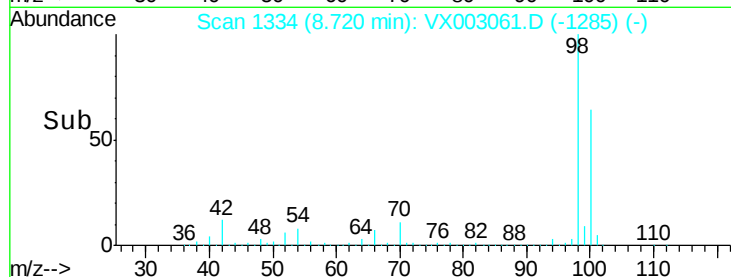
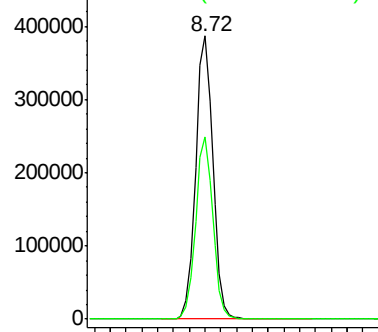
#50
Toluene-d8
Concen: 48.02 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003061.D
Acq: 30 Jun 2018 06:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 587428
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3

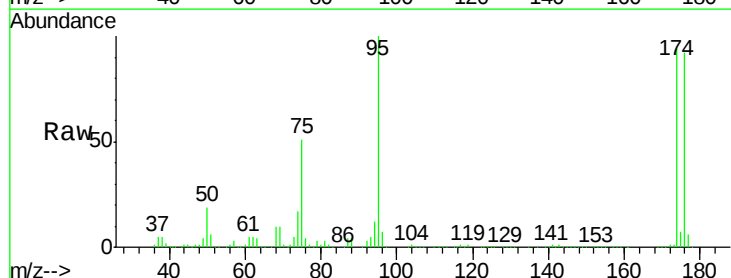


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

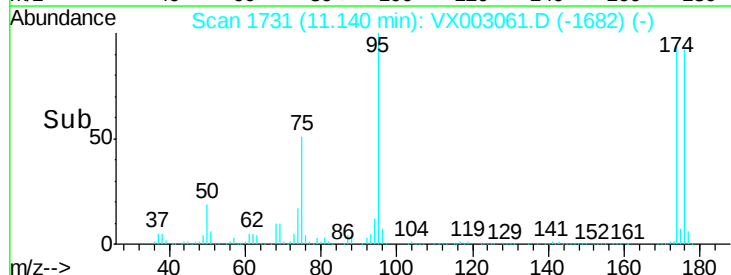
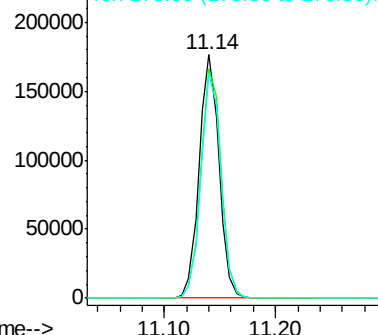


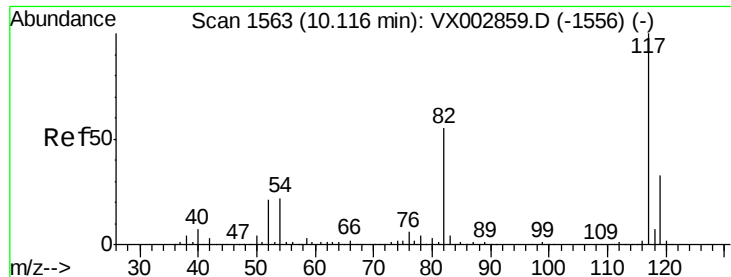
#62
4-Bromofluorobenzene
Concen: 46.10 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003061.D
Acq: 30 Jun 2018 06:02

Tgt Ion: 95 Resp: 217477
Ion Ratio Lower Upper
95 100
174 97.3 0.0 187.4
176 93.0 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003061.D

Acq: 30 Jun 2018 06:02

Instrument :

MSVOA_X

ClientSampleId :

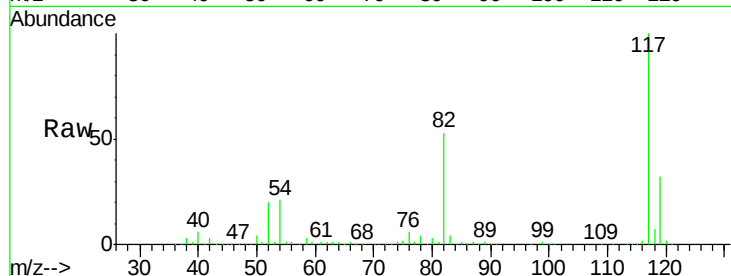
Tot Ion:117 Resp: 396993

Ion Ratio Lower Upper

117 100

82 52.9 45.0 67.4

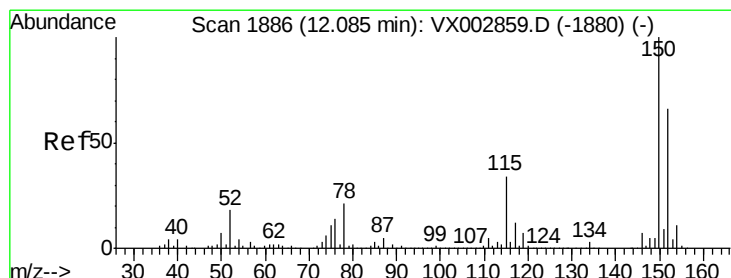
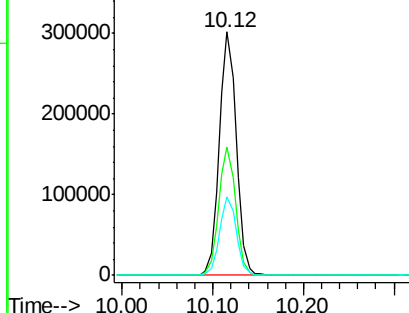
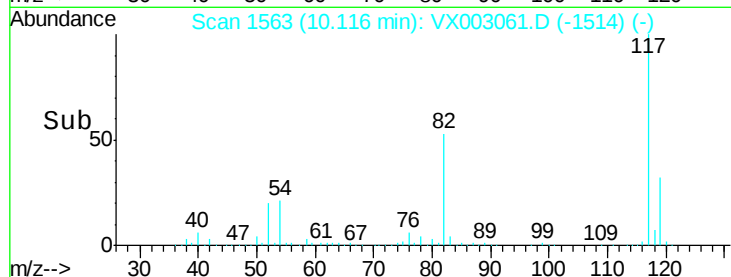
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003061.D

Acq: 30 Jun 2018 06:02

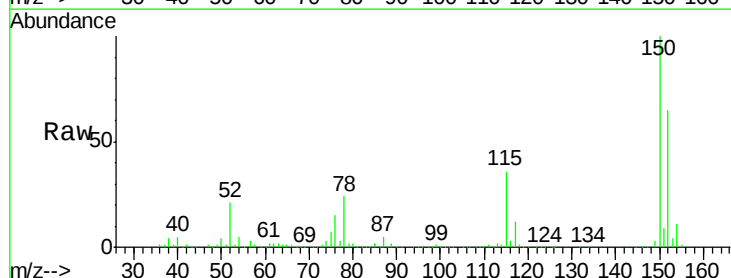
Tgt Ion:152 Resp: 230939

Ion Ratio Lower Upper

152 100

115 53.6 40.1 120.2

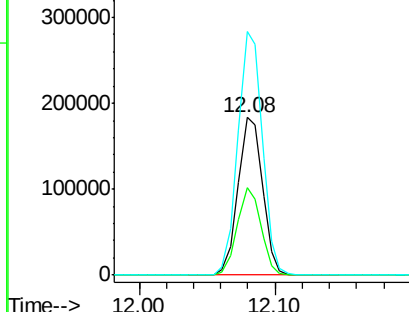
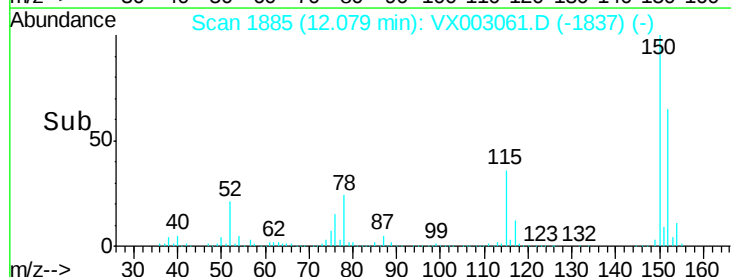
150 154.0 0.0 347.2

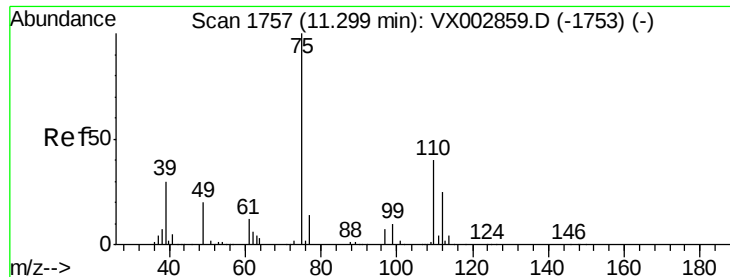


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003061.D

Acq: 30 Jun 2018 06:02

Instrument :

MSVOA_X

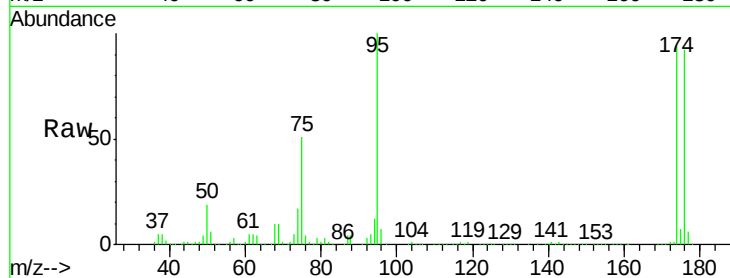
ClientSampled :

Tot Ion: 75 Resp: 109909

Ion Ratio Lower Upper

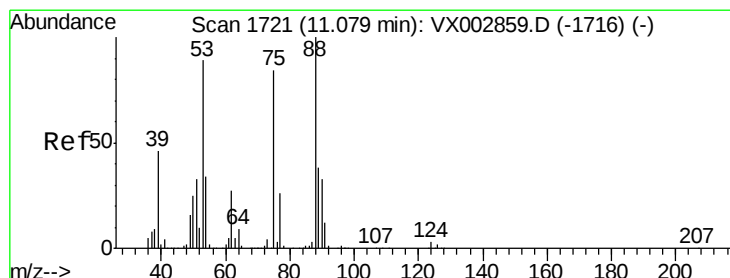
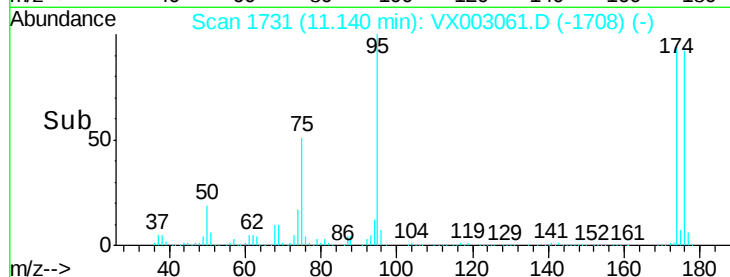
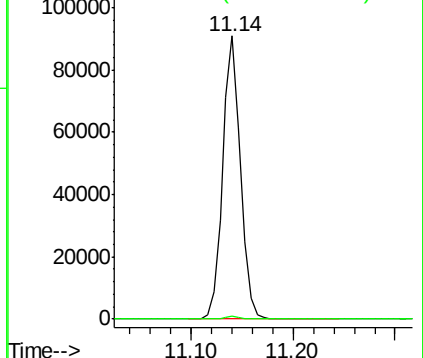
75 100

77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 74.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003061.D

Acq: 30 Jun 2018 06:02

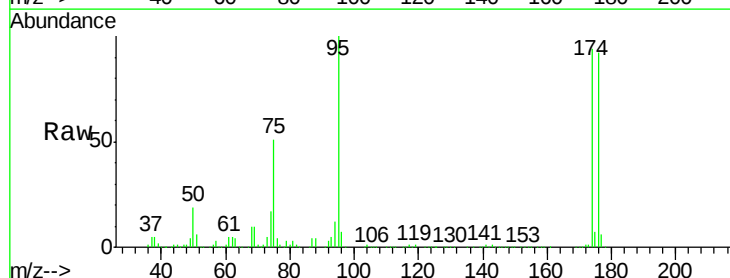
Tgt Ion: 75 Resp: 109909

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

