

Data File : VX001863.D

Acq On : 19 May 2018 08:40

Operator : JC/MD

Sample : PB109413ZHE#14

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#14

Quant Time: May 21 03:24:41 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	375239	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	291701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	146248	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	163881	43.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.60%	
35) Dibromofluoromethane	5.51	113	143041	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
50) Toluene-d8	8.72	98	530242	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
62) 4-Bromofluorobenzene	11.14	95	141702	34.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.40%	

Target Compounds

						Qvalue
5) Bromomethane	1.64	94	604	Below Cal		99
6) Chloroethane	1.66	64	2587	1.24 ug/l	#	50
8) Diethyl Ether	2.20	74	794	0.40 ug/l		75
11) Tert butyl alcohol	3.09	59	228	0.34 ug/l	#	72
16) Acetone	2.45	43	8050	5.41 ug/l		99
18) Methyl Acetate	2.78	43	27882	6.42 ug/l		98
20) Methylene Chloride	2.86	84	6300	1.98 ug/l		94
25) 2-Butanone	4.73	43	3113	1.37 ug/l		95
29) Tetrahydrofuran	5.18	42	855	0.58 ug/l	#	50
31) Cyclohexane	5.67	56	4028	0.85 ug/l	#	1
36) 1,1-Dichloropropene	5.68	75	15240	3.53 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	23267	5.14 ug/l	#	18
76) 1,2,3-Trichloropropane	11.14	75	65629	23.60 ug/l	#	39
81) trans-1,4-Dichloro-2-buten	11.14	75	65629	68.98 ug/l	#	10

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

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ClientSampleId :

PB109413ZHE#14

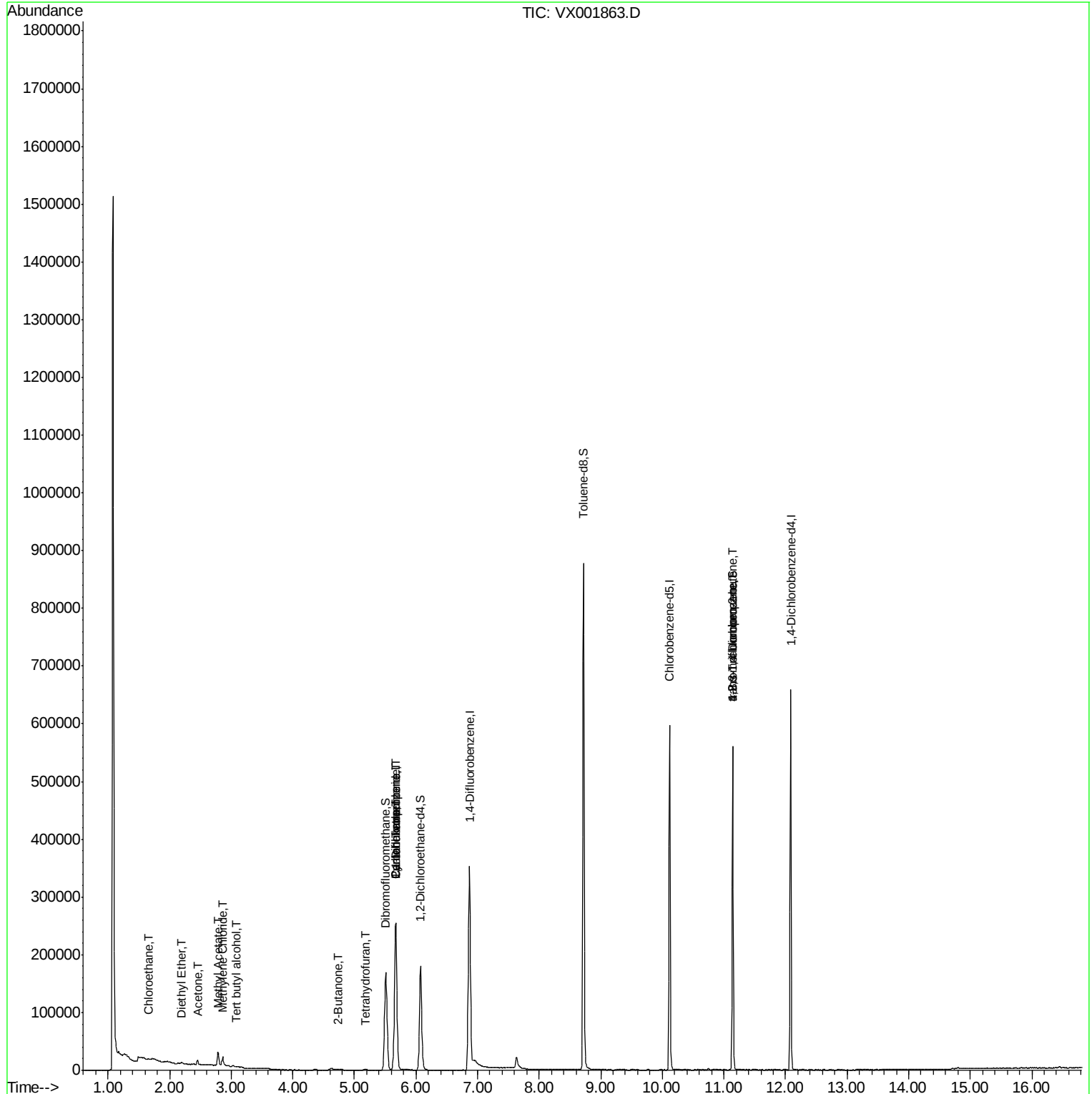
Quant Time: May 21 03:24:41 2018

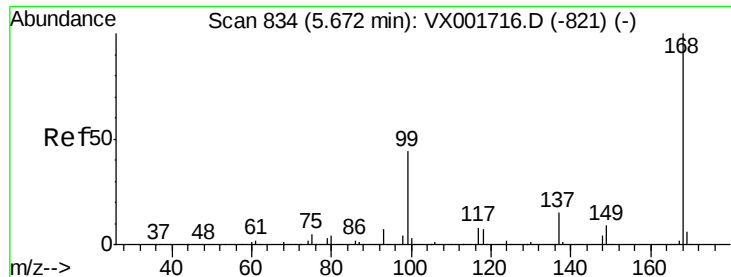
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001863.D

Acq: 19 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

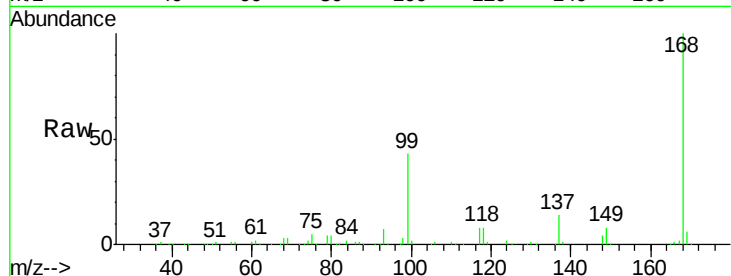
PB109413ZHE#14

Tgt Ion: 168 Resp: 282387

Ion Ratio Lower Upper

168 100

99 43.0 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

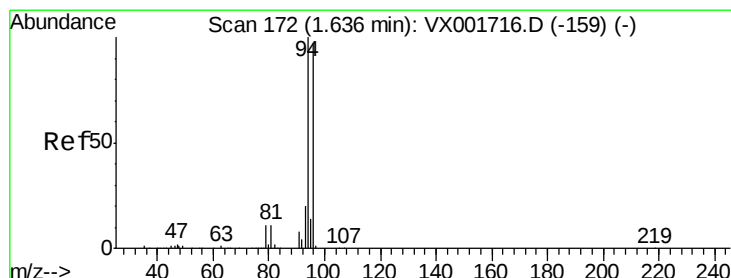
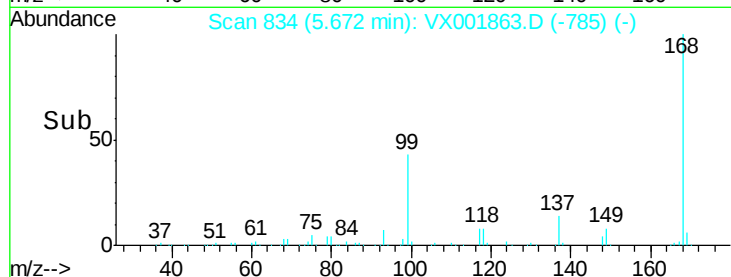
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001863.D

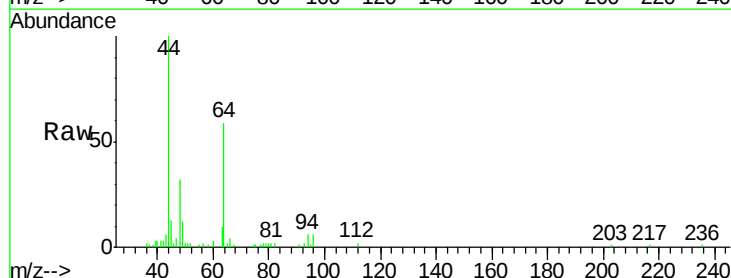
Acq: 19 May 2018 08:40

Tgt Ion: 94 Resp: 604

Ion Ratio Lower Upper

94 100

96 96.0 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

500

400

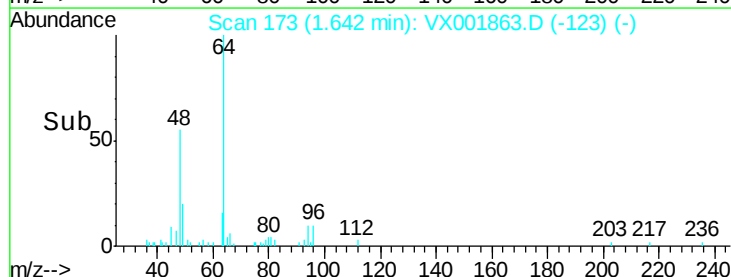
300

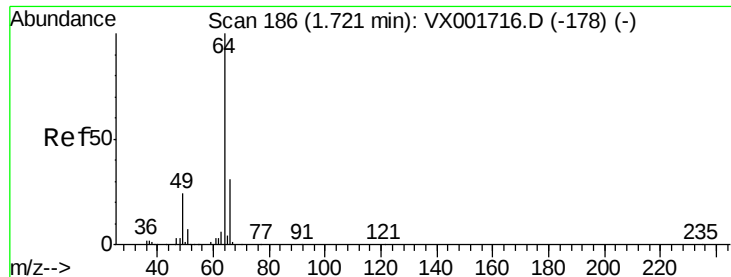
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 1.24 ug/l

RT: 1.66 min Scan# 176

Delta R.T. -0.06 min

Lab File: VX001863.D

Acq: 19 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

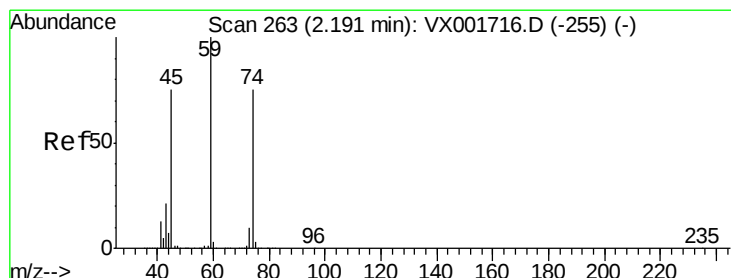
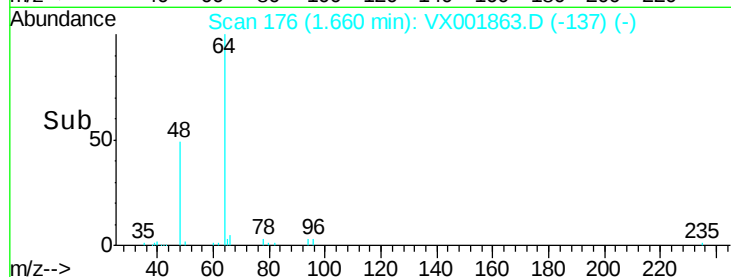
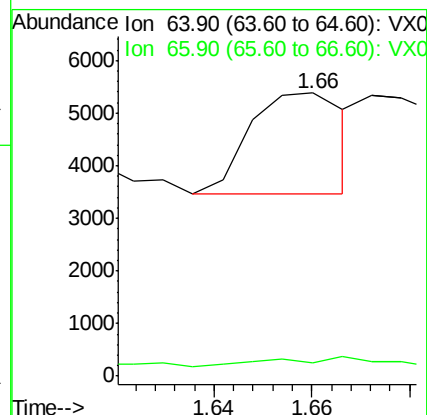
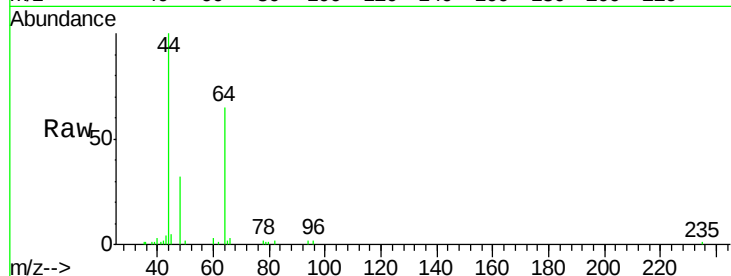
PB109413ZHE#14

Tgt Ion: 64 Resp: 2587

Ion Ratio Lower Upper

64 100

66 3.8 25.2 37.8#



#8

Diethyl Ether

Concen: 0.40 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX001863.D

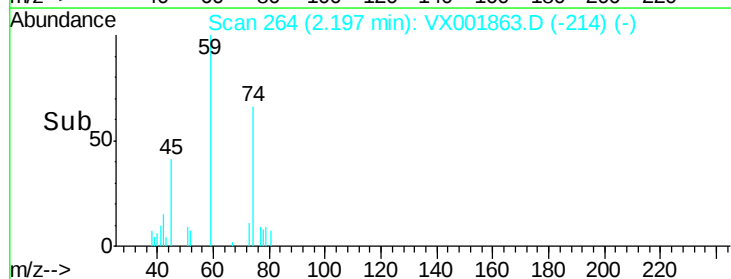
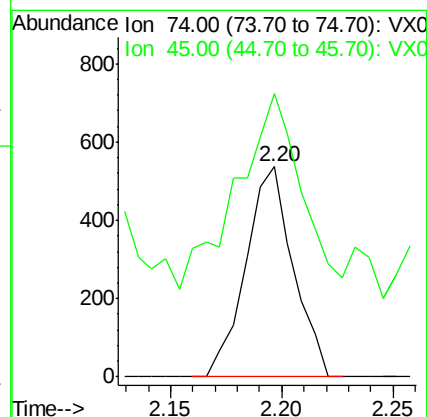
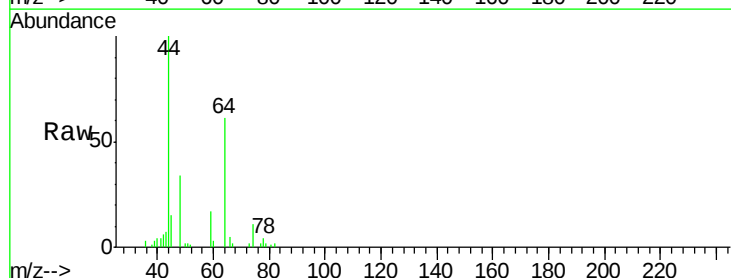
Acq: 19 May 2018 08:40

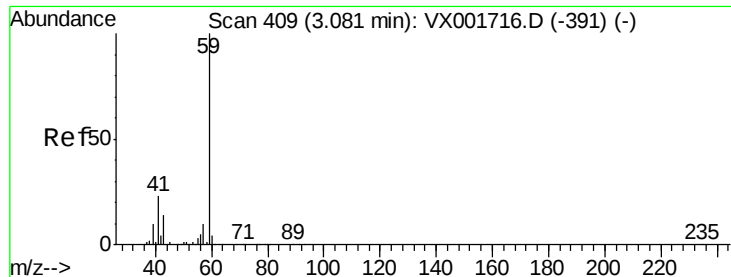
Tgt Ion: 74 Resp: 794

Ion Ratio Lower Upper

74 100

45 124.7 50.0 149.8

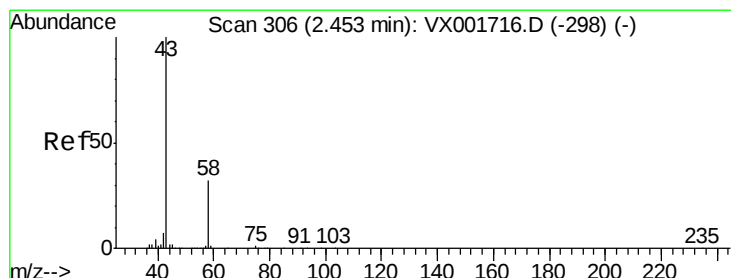
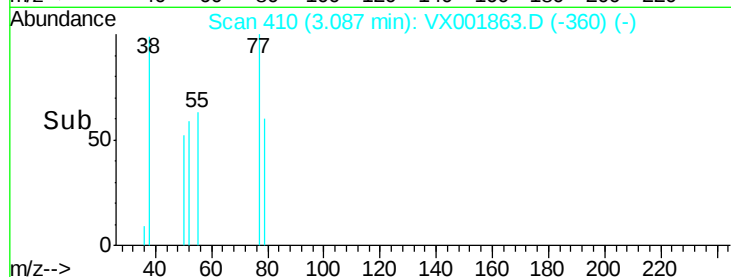
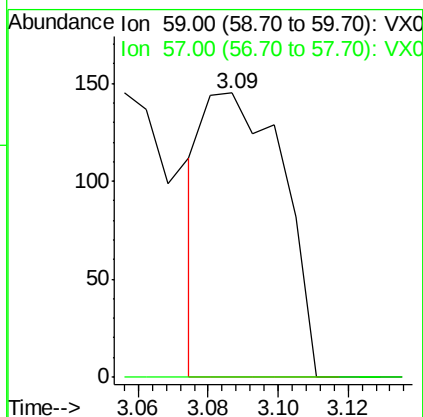
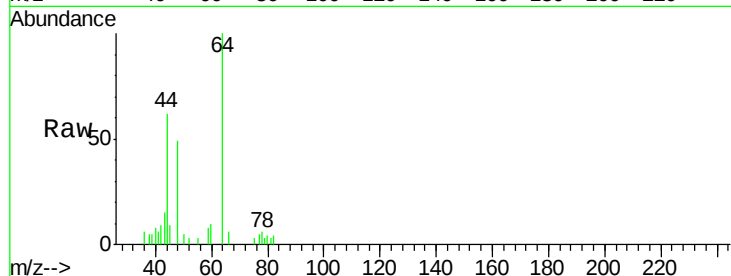




#11
Tert butyl alcohol
Concen: 0.34 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001863.D
Acq: 19 May 2018 08:40

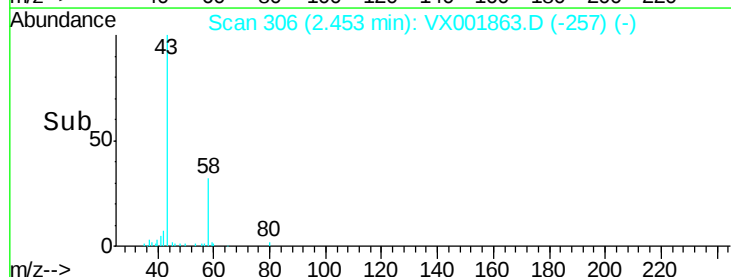
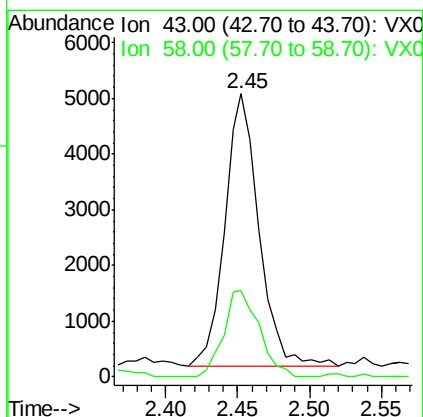
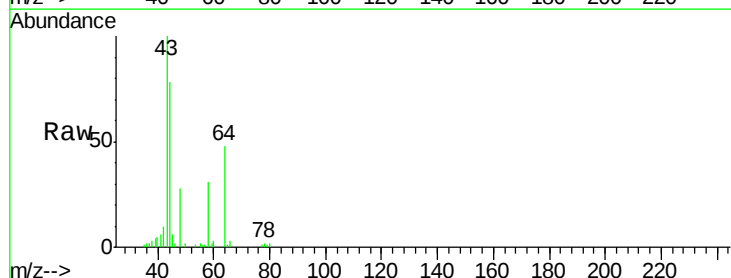
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#14

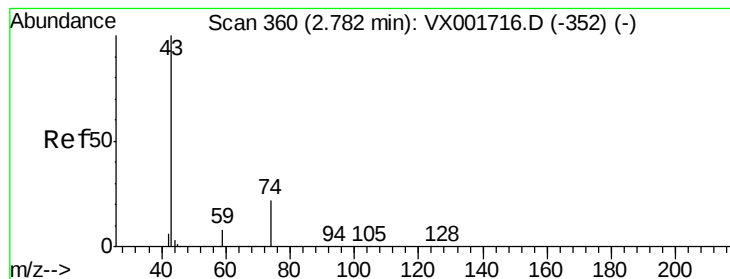
Tgt Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 5.41 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001863.D
Acq: 19 May 2018 08:40

Tgt Ion: 43 Resp: 8050
Ion Ratio Lower Upper
43 100
58 31.9 25.3 37.9





#18

Methyl Acetate

Concen: 6.42 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001863.D

Acq: 19 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

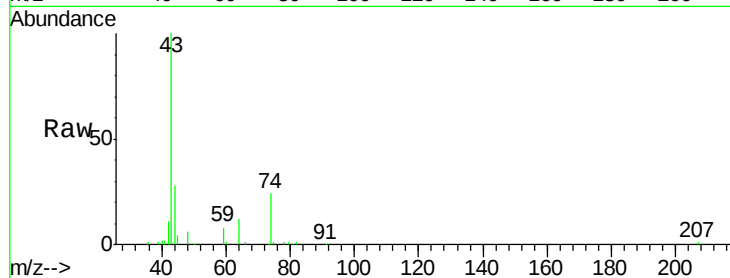
PB109413ZHE#14

Tgt Ion: 43 Resp: 27882

Ion Ratio Lower Upper

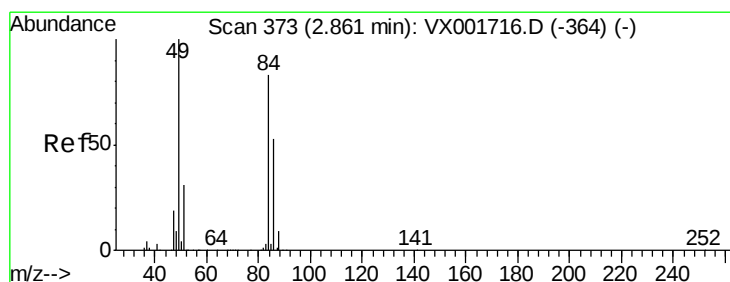
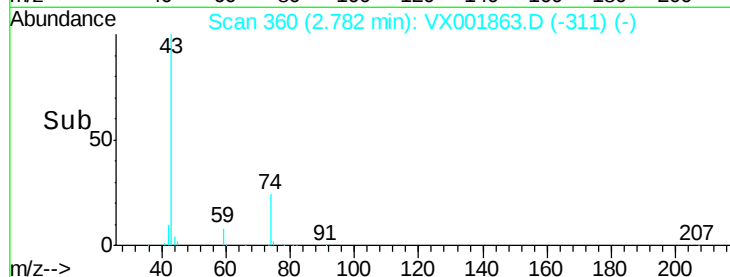
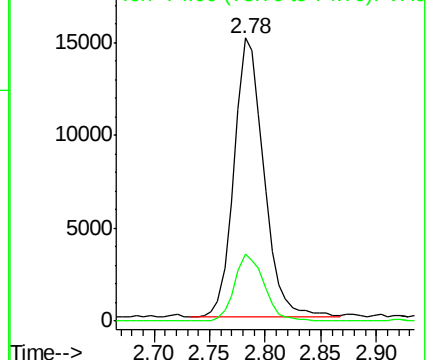
43 100

74 23.8 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 1.98 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001863.D

Acq: 19 May 2018 08:40

Tgt Ion: 84 Resp: 6300

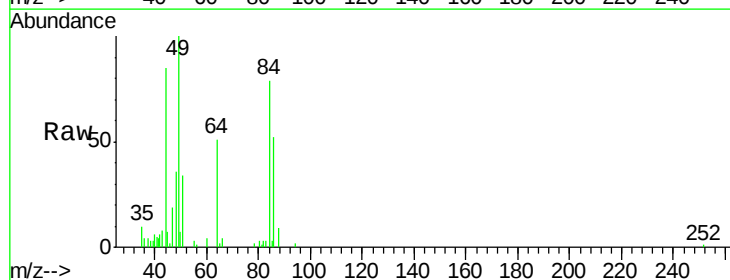
Ion Ratio Lower Upper

84 100

49 126.5 96.3 144.5

51 43.1 29.8 44.6

86 66.3 51.0 76.6

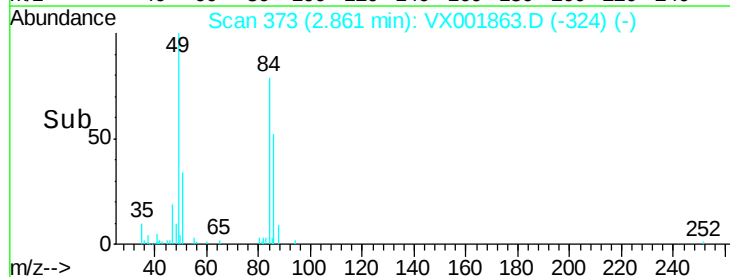
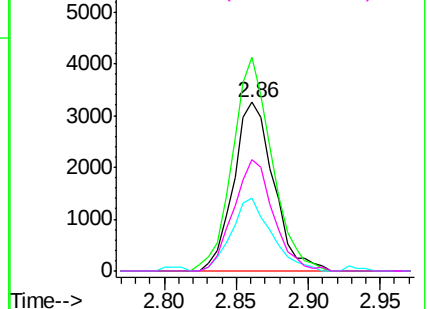


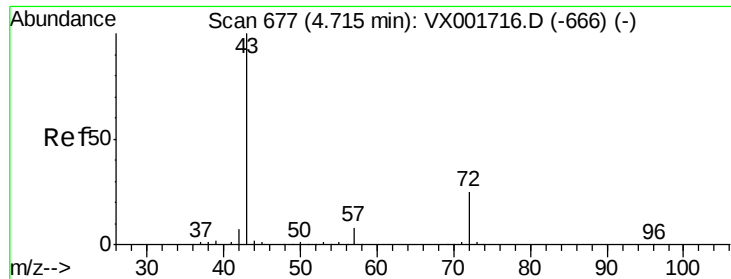
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 1.37 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001863.D

Acq: 19 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

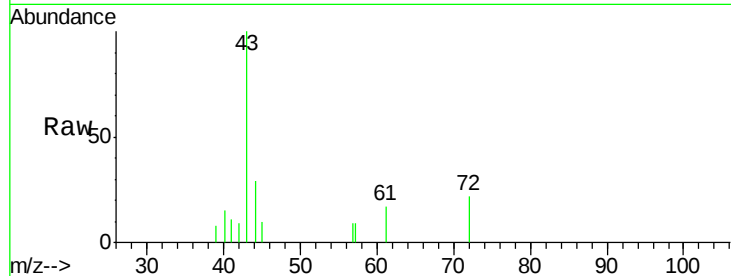
PB109413ZHE#14

Tgt Ion: 43 Resp: 3113

Ion Ratio Lower Upper

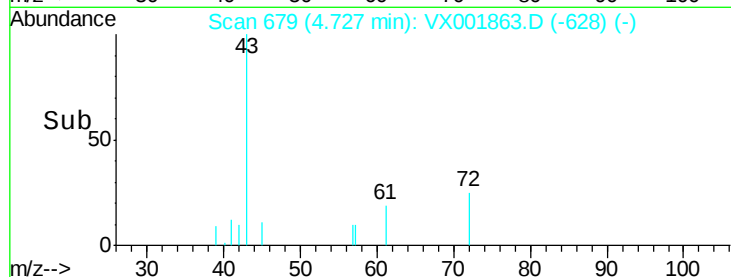
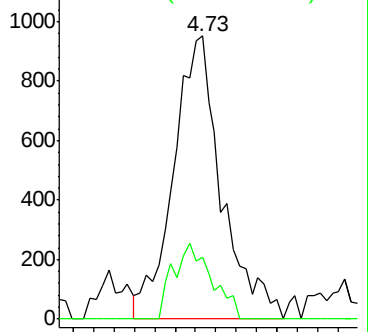
43 100

72 22.1 19.8 29.6

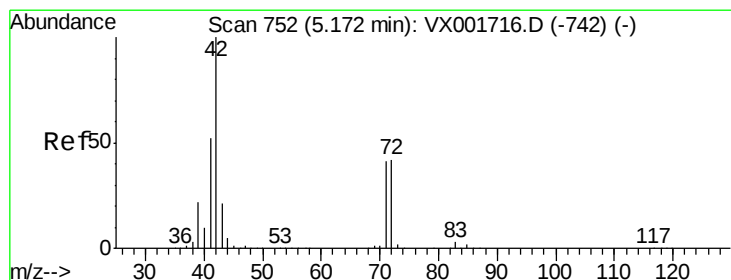


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.58 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001863.D

Acq: 19 May 2018 08:40

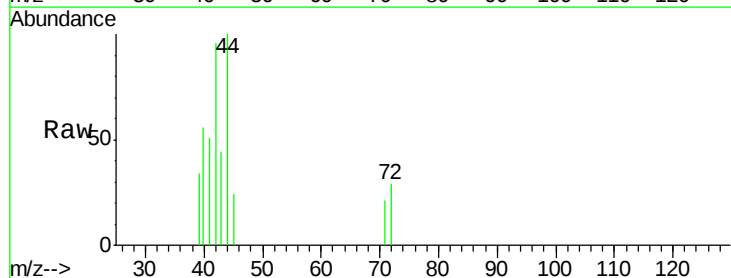
Tgt Ion: 42 Resp: 855

Ion Ratio Lower Upper

42 100

72 22.0 35.4 53.2#

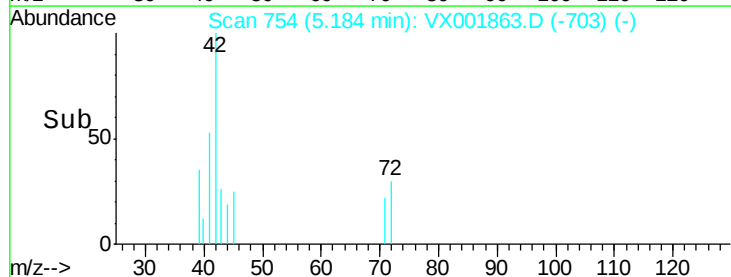
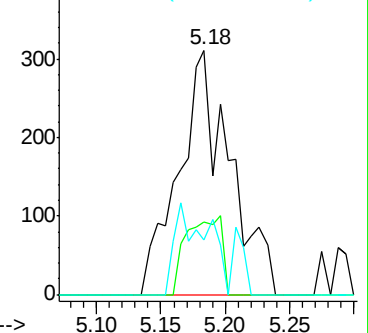
71 0.0 33.2 49.8#



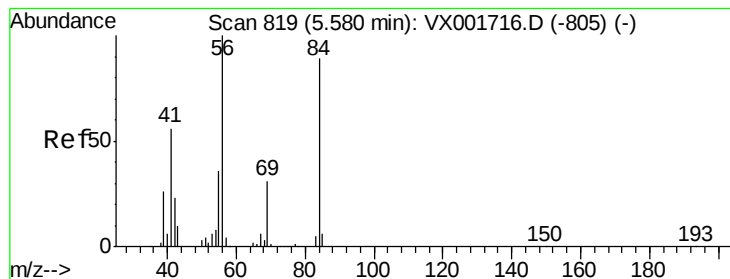
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 0.85 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001863.D

Acq: 19 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#14

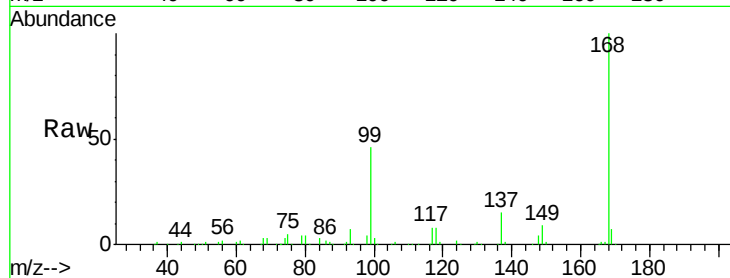
Tgt Ion: 56 Resp: 4028

Ion Ratio Lower Upper

56 100

69 174.0 25.0 37.6#

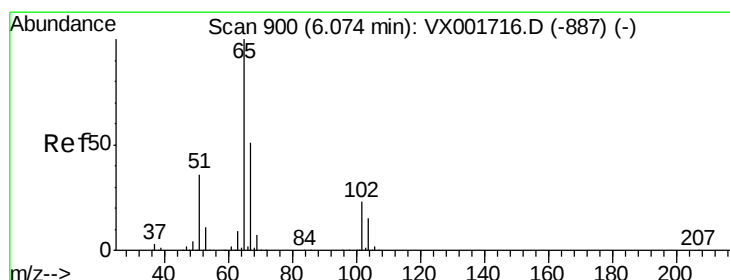
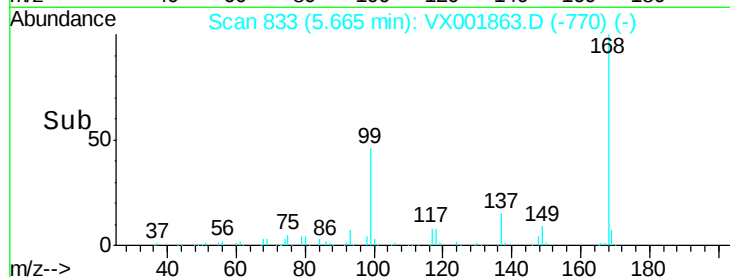
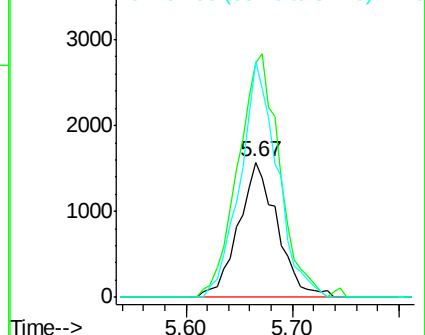
84 174.7 71.0 106.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 43.30 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001863.D

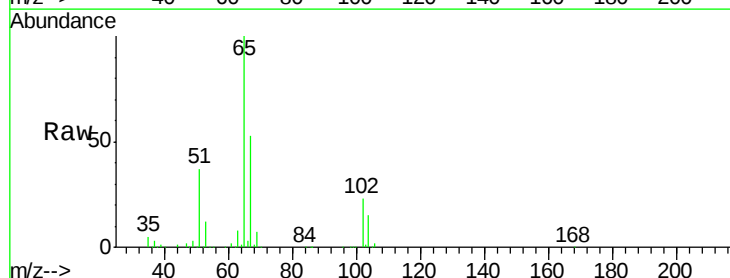
Acq: 19 May 2018 08:40

Tgt Ion: 65 Resp: 163881

Ion Ratio Lower Upper

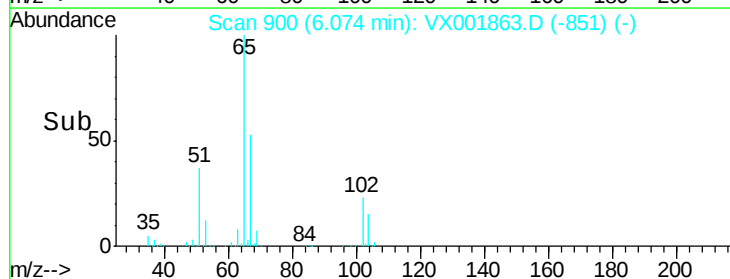
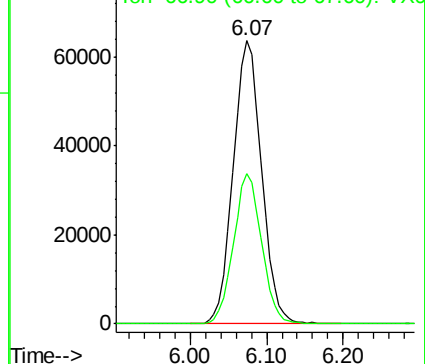
65 100

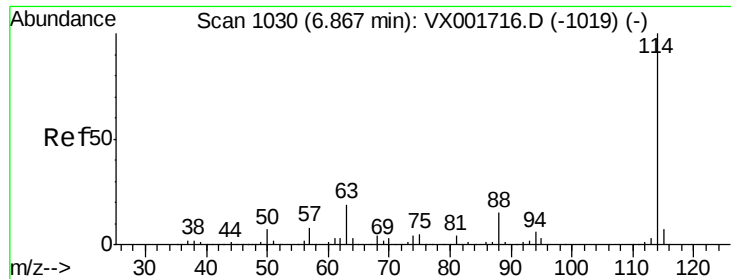
67 52.2 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

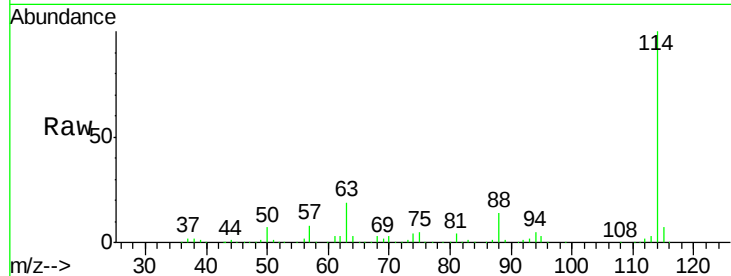




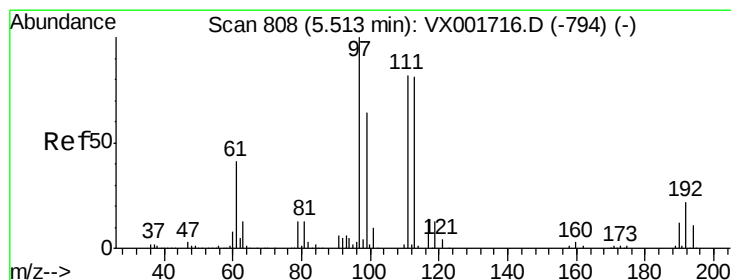
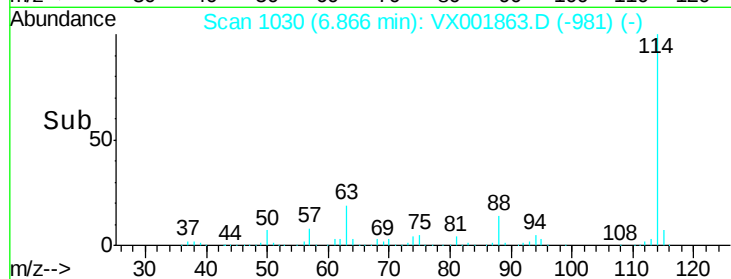
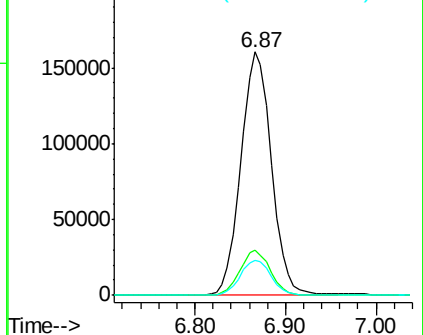
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001863.D
 Acq: 19 May 2018 08:40

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109413ZHE#14

Tgt Ion:114 Resp: 375239
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.0
 88 14.4 0.0 29.8

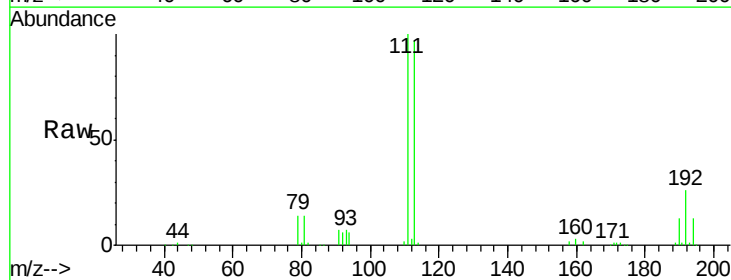


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

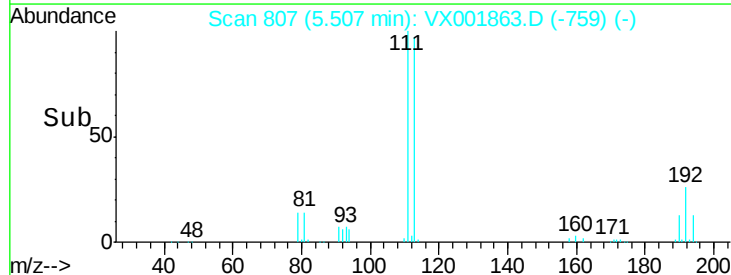
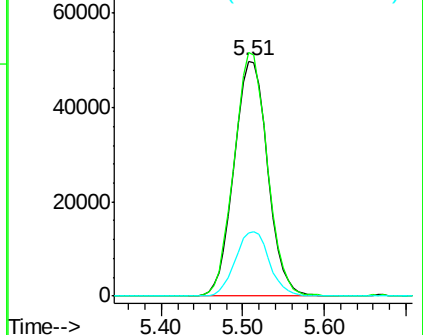


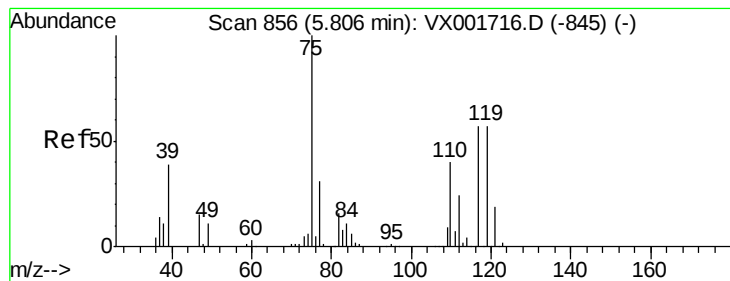
#35
 Dibromofluoromethane
 Concen: 45.17 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001863.D
 Acq: 19 May 2018 08:40

Tgt Ion:113 Resp: 143041
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.0 123.0
 192 27.7 21.6 32.4



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: 3.53 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX001863.D

Acq: 19 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#14

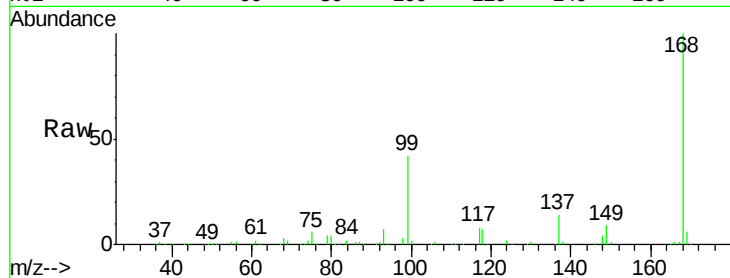
Tgt Ion: 75 Resp: 15240

Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.1#

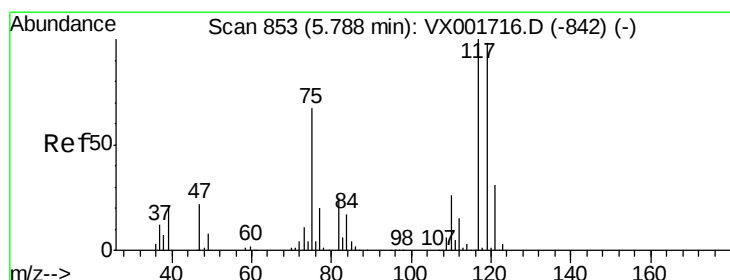
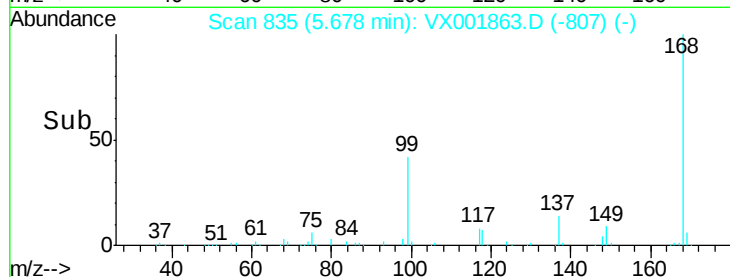
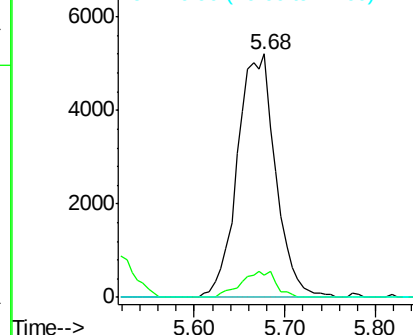
77 0.0 24.6 37.0#



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: 5.14 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001863.D

Acq: 19 May 2018 08:40

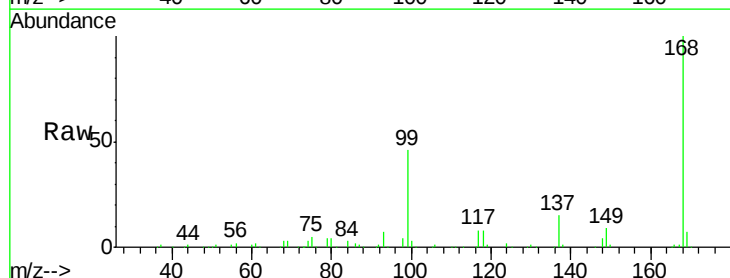
Tgt Ion: 117 Resp: 23267

Ion Ratio Lower Upper

117 100

119 7.8 77.6 116.4#

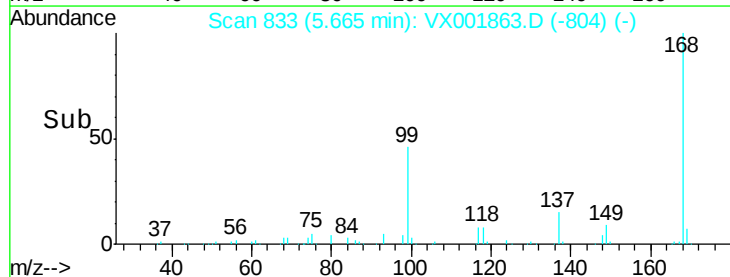
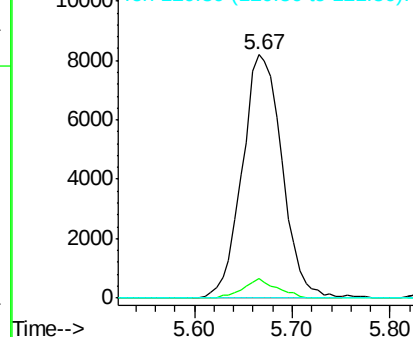
121 0.0 24.6 36.8#

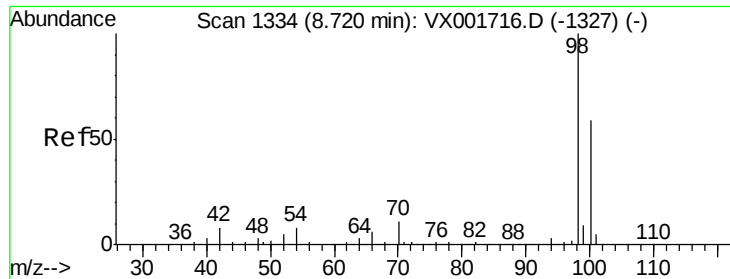


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 46.75 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001863.D

Acq: 19 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

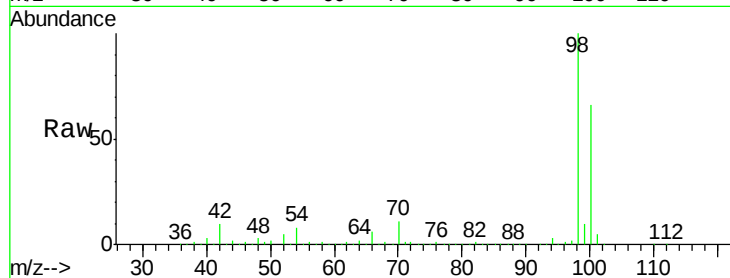
PB109413ZHE#14

Tgt Ion: 98 Resp: 530242

Ion Ratio Lower Upper

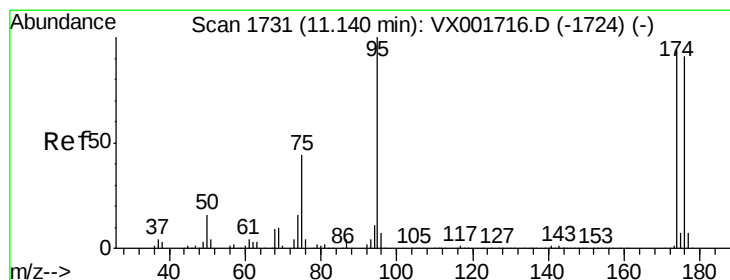
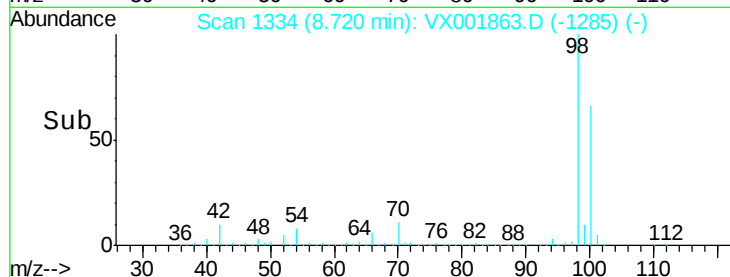
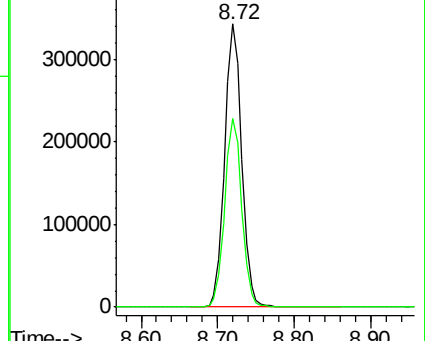
98 100

100 66.6 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 34.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001863.D

Acq: 19 May 2018 08:40

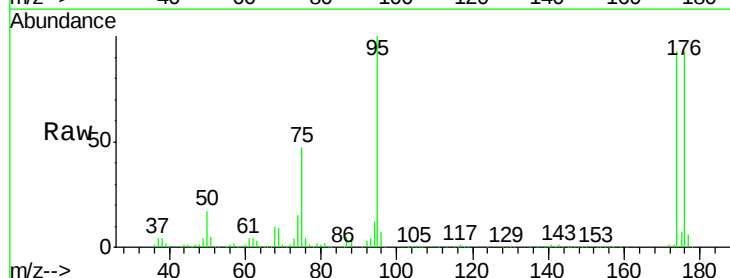
Tgt Ion: 95 Resp: 141702

Ion Ratio Lower Upper

95 100

174 103.9 0.0 201.8

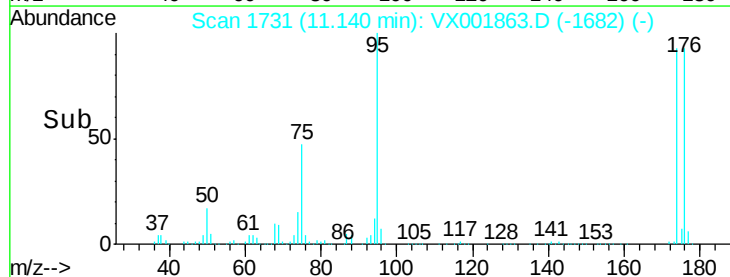
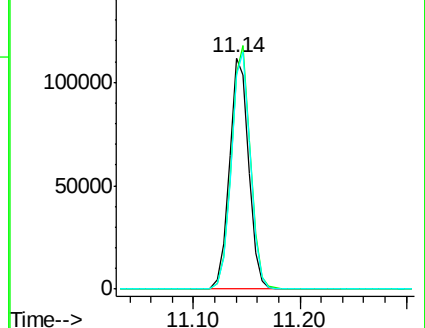
176 101.6 0.0 196.8

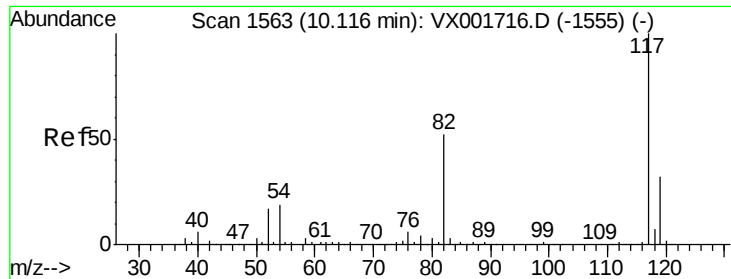


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX001863.D

Acq: 19 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#14

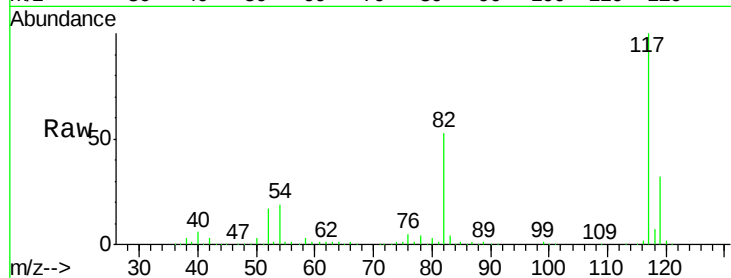
Tgt Ion:117 Resp: 291701

Ion Ratio Lower Upper

117 100

82 52.5 41.4 62.2

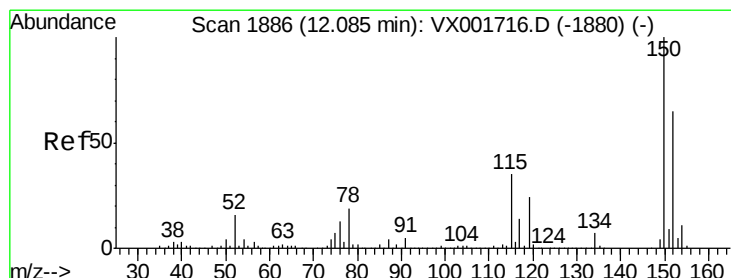
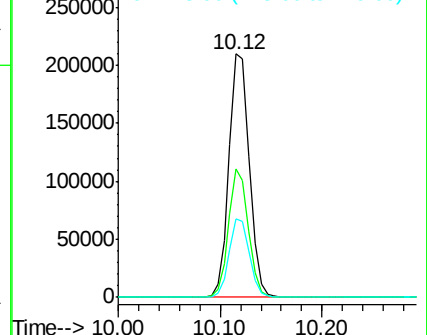
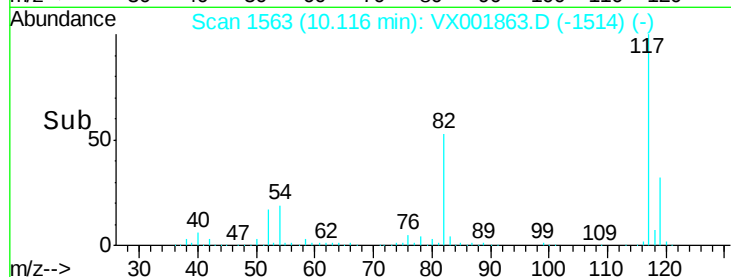
119 32.4 25.6 38.4



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: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001863.D

Acq: 19 May 2018 08:40

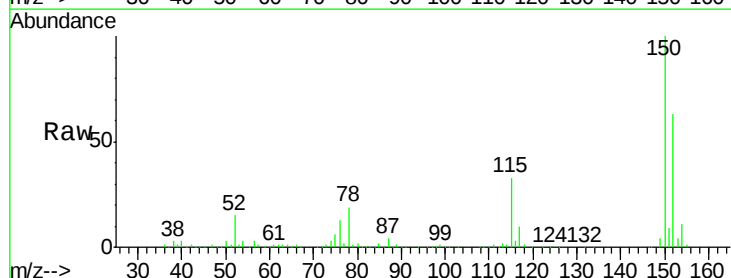
Tgt Ion:152 Resp: 146248

Ion Ratio Lower Upper

152 100

115 51.5 37.4 112.2

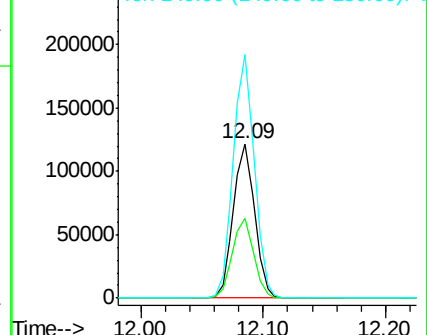
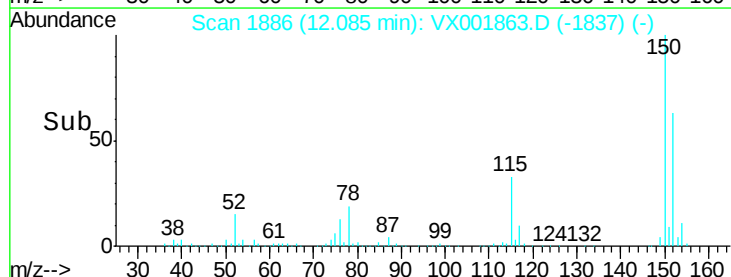
150 156.3 0.0 344.8

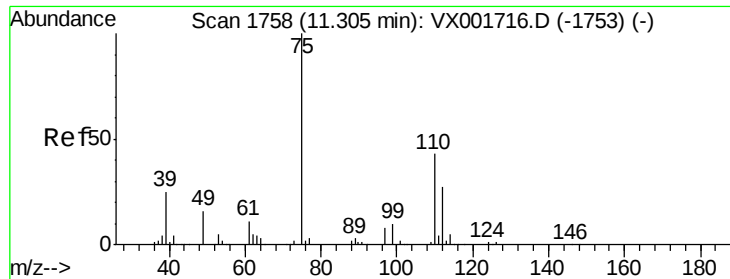


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

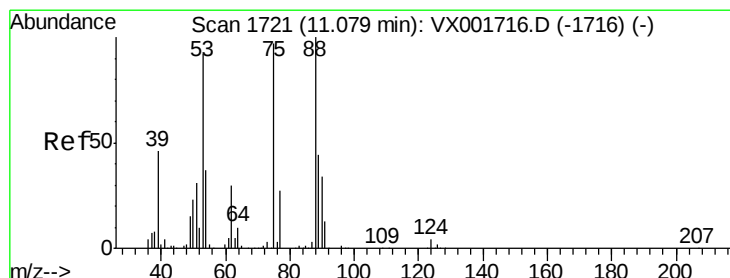
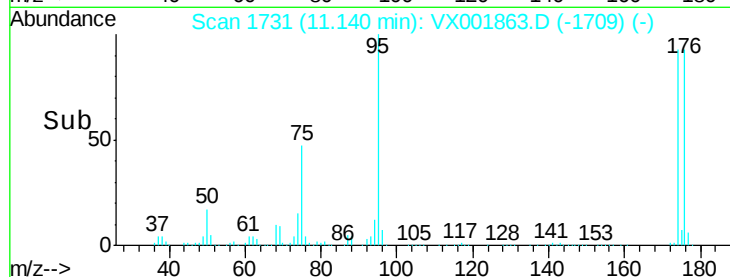
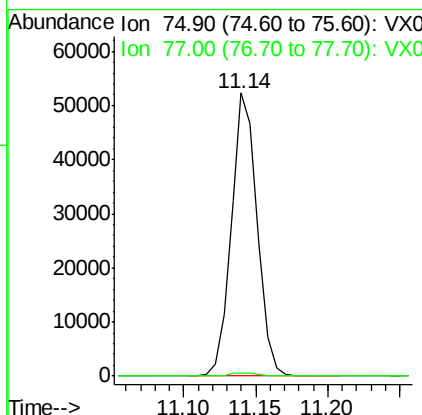
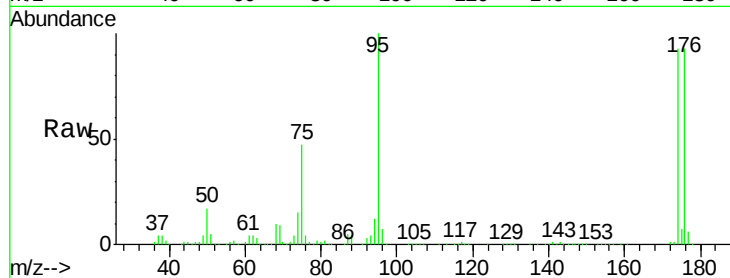




#76
 1,2,3-Trichloropropane
 Concen: 23.60 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001863.D
 Acq: 19 May 2018 08:40

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109413ZHE#14

Tgt Ion: 75 Resp: 65629
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.98 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001863.D
 Acq: 19 May 2018 08:40

Tgt Ion: 75 Resp: 65629
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.4 119.2#
 89 0.0 38.8 58.2#

