

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003598.D
 Acq On : 23 Jul 2018 12:30
 Operator : JC/SP
 Sample : J4050-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SP003-180717

Quant Time: Jul 24 01:40:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	369596	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192335	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	159705	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
35) Dibromofluoromethane	5.51	113	142229	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	8.72	98	529241	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	11.14	95	175144	45.36	ug/l	0.00
Spiked Amount			Recovery	=	90.72%	

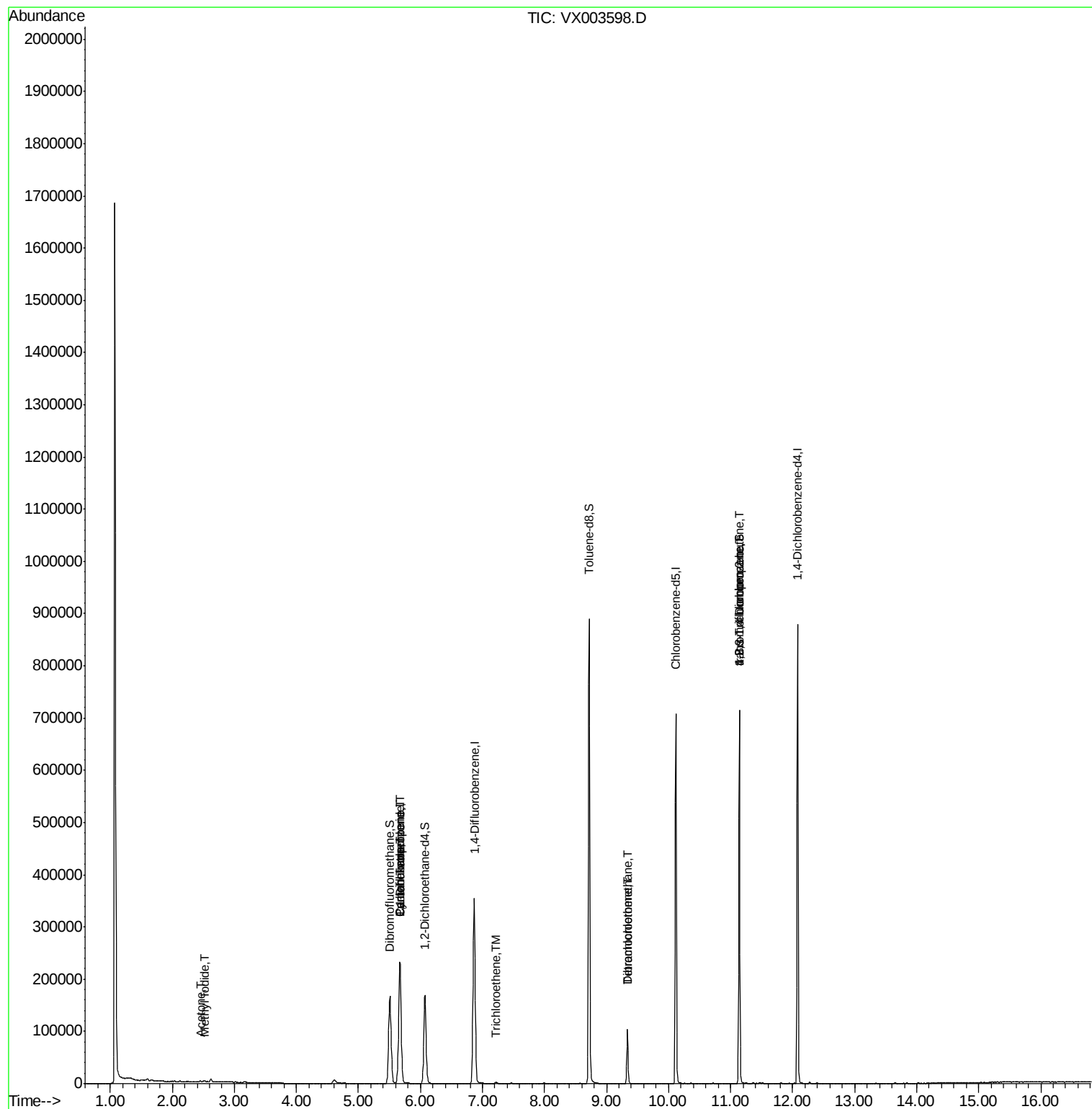
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	107	Below Cal	#	43
3) Chloromethane	1.32	50	682	Below Cal		93
5) Bromomethane	1.66	94	1509	Below Cal		84
10) Methyl Iodide	2.52	142	1350	0.410	ug/l #	94
16) Acetone	2.45	43	1280	1.157	ug/l	97
20) Methylene Chloride	2.85	84	215	Below Cal	#	46
31) Cyclohexane	5.66	56	4035	0.915	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15664	3.925	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21188	5.413	ug/l #	17
44) Trichloroethene	7.22	130	1009	0.281	ug/l	97
60) Dibromochloromethane	9.34	129	19517	6.534	ug/l #	11
64) Tetrachloroethene	9.34	164	22169	5.278	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	79870	23.116	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	79870	64.910	ug/l #	7

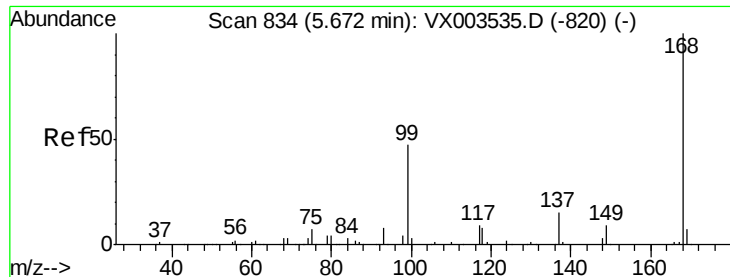
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003598.D

Acq: 23 Jul 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

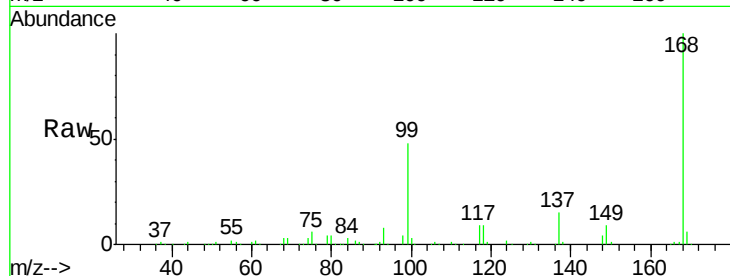
KY030SP003-180717

Tgt Ion:168 Resp: 247384

Ion Ratio Lower Upper

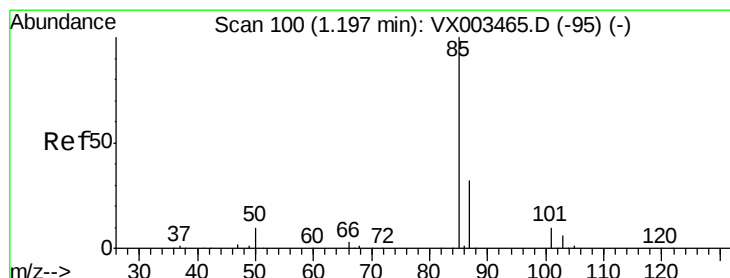
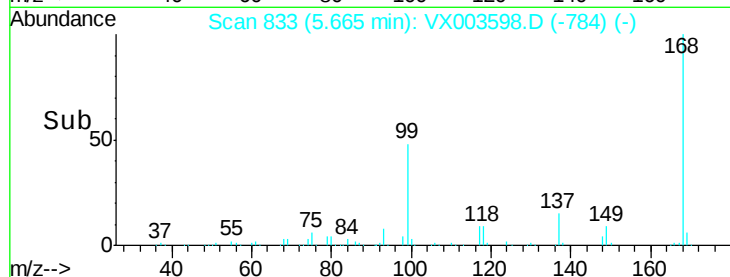
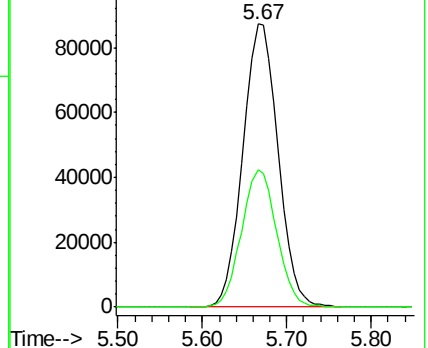
168 100

99 48.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX003598.D

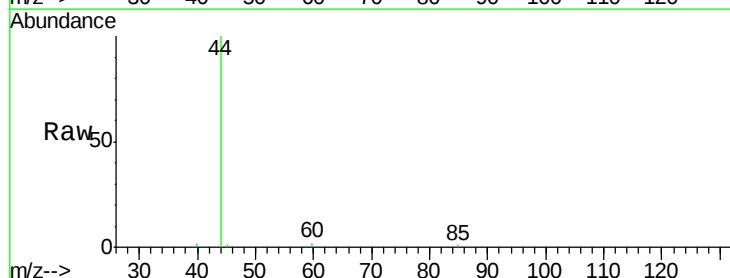
Acq: 23 Jul 2018 12:30

Tgt Ion: 85 Resp: 107

Ion Ratio Lower Upper

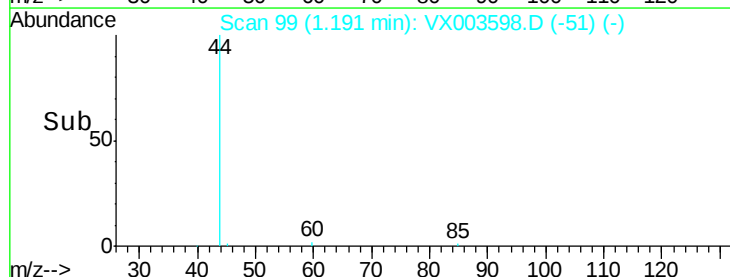
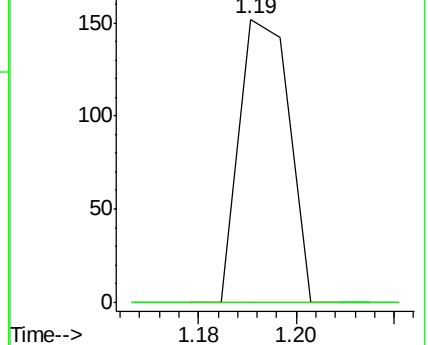
85 100

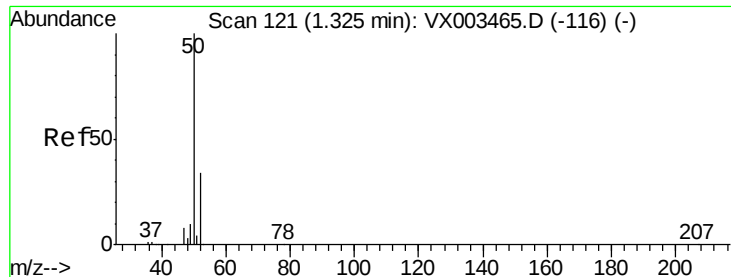
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003598.D

Acq: 23 Jul 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

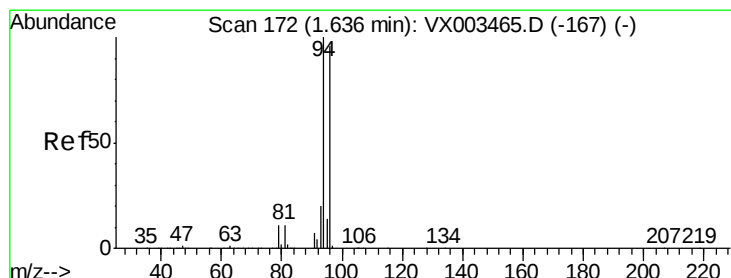
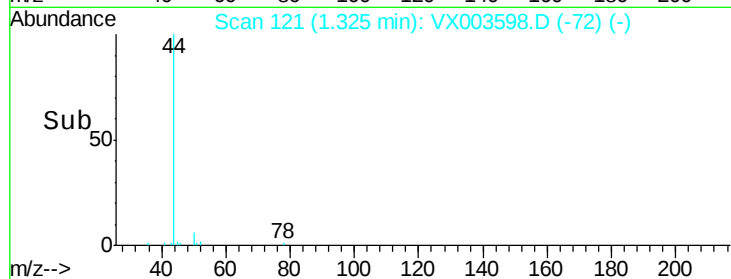
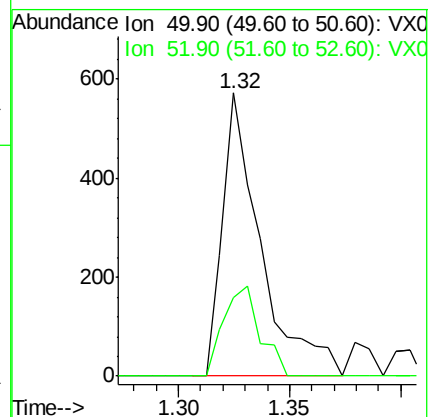
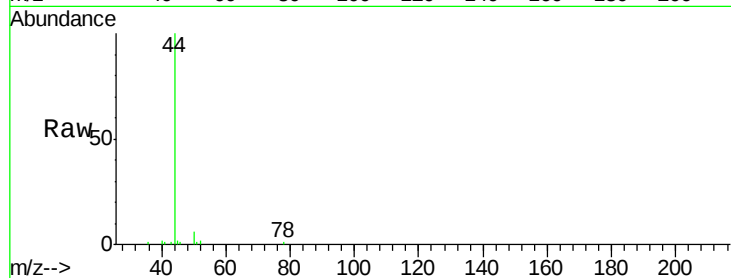
KY030SP003-180717

Tgt Ion: 50 Resp: 682

Ion Ratio Lower Upper

50 100

52 28.0 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX003598.D

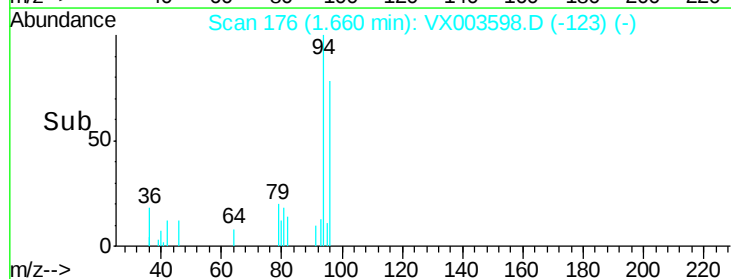
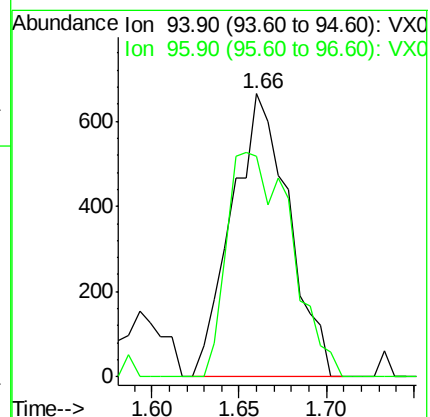
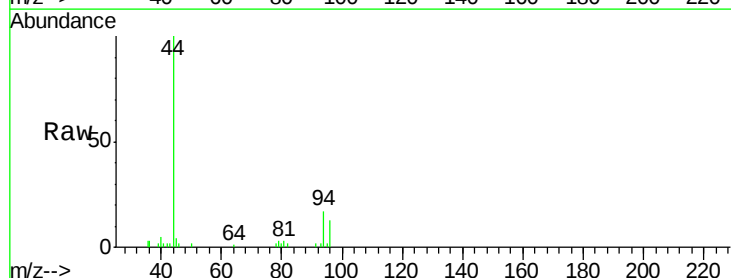
Acq: 23 Jul 2018 12:30

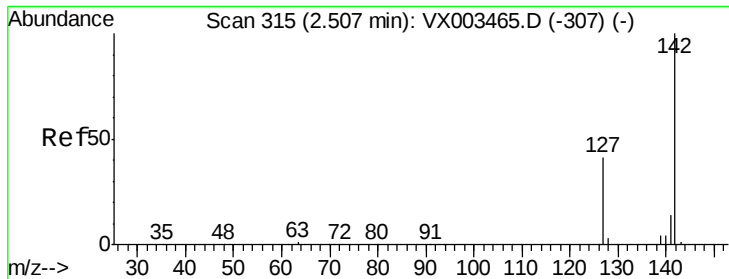
Tgt Ion: 94 Resp: 1509

Ion Ratio Lower Upper

94 100

96 77.9 74.9 112.3

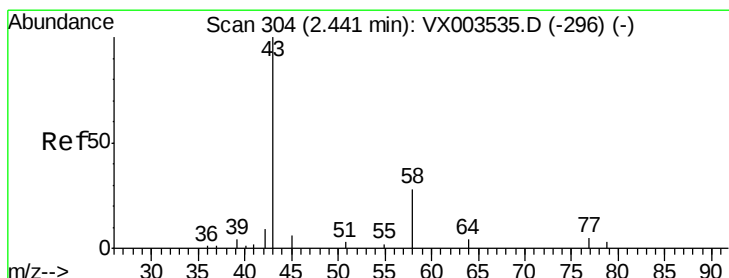
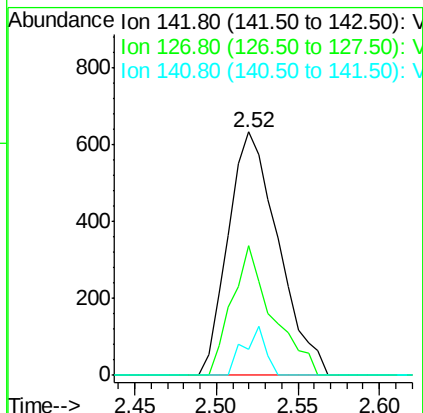
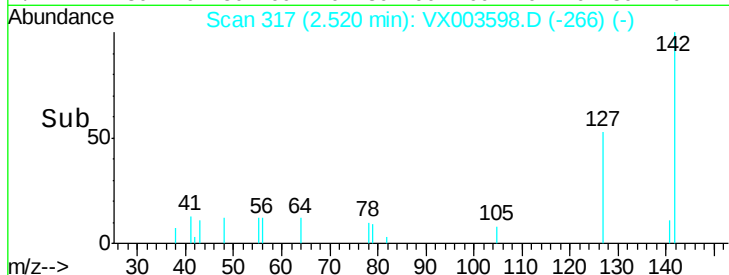
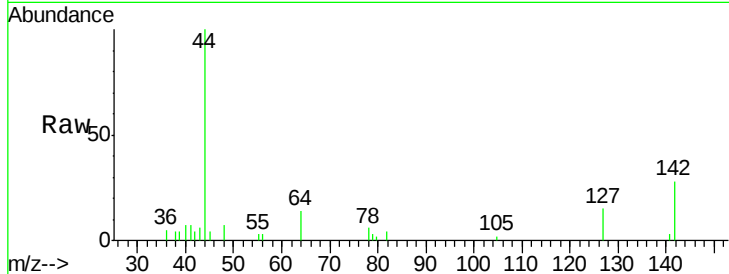




#10
Methyl Iodide
Concen: 0.410 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003598.D
Acq: 23 Jul 2018 12:30

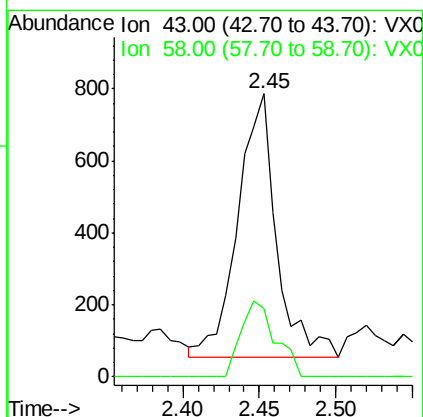
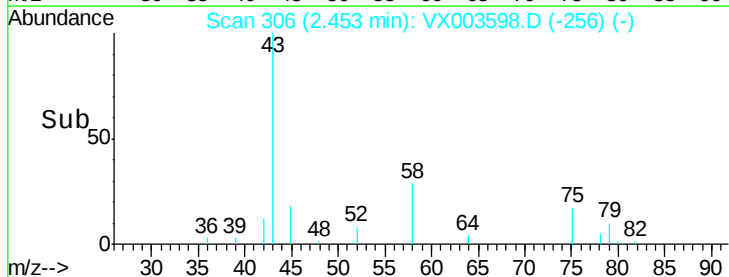
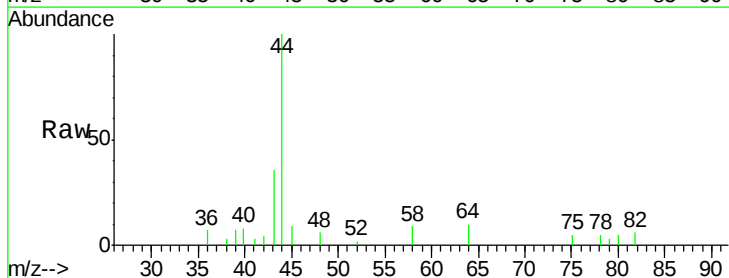
Instrument :
MSVOA_X
ClientSampleId :
KY030SP003-180717

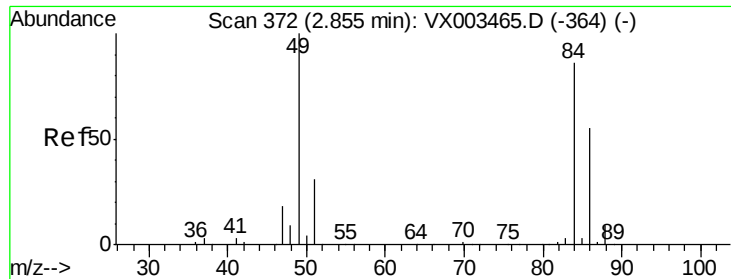
Tgt Ion:142 Resp: 1350
Ion Ratio Lower Upper
142 100
127 43.2 36.6 55.0
141 8.9 11.3 16.9#



#16
Acetone
Concen: 1.157 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.01 min
Lab File: VX003598.D
Acq: 23 Jul 2018 12:30

Tgt Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
58 25.9 22.1 33.1





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003598.D

Acq: 23 Jul 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

KY030SP003-180717

Tgt Ion: 84 Resp: 215

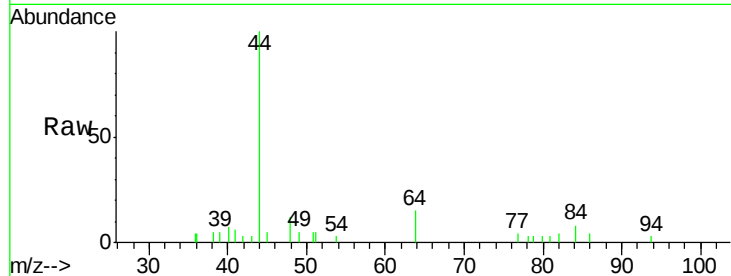
Ion Ratio Lower Upper

84 100

49 62.3 107.8 161.6#

51 94.0 32.8 49.2#

86 50.3 52.5 78.7#

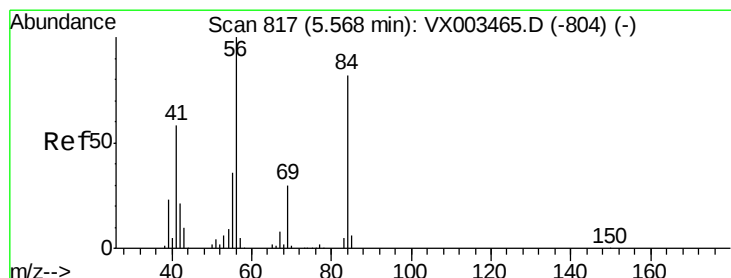
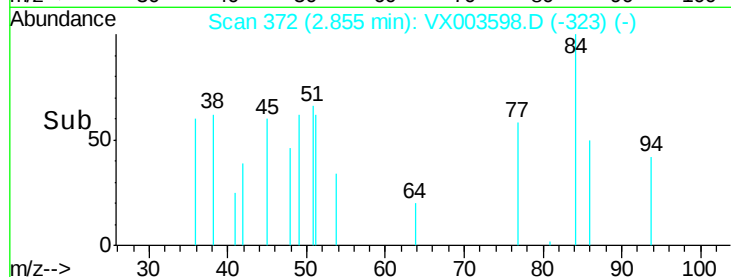
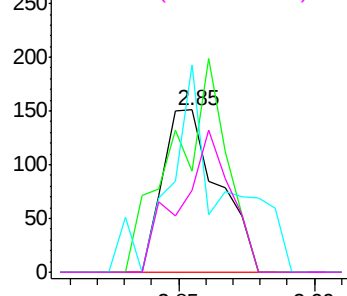


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#31

Cyclohexane

Concen: 0.915 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.09 min

Lab File: VX003598.D

Acq: 23 Jul 2018 12:30

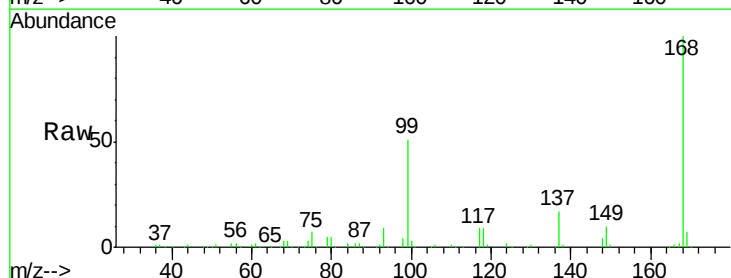
Tgt Ion: 56 Resp: 4035

Ion Ratio Lower Upper

56 100

69 185.0 23.7 35.5#

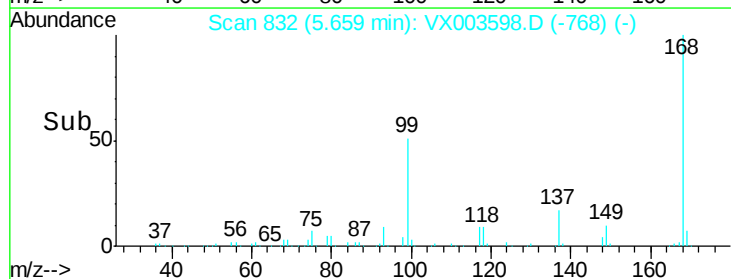
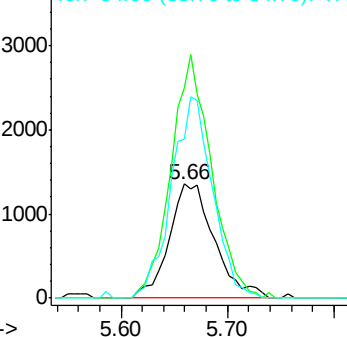
84 139.5 64.1 96.1#

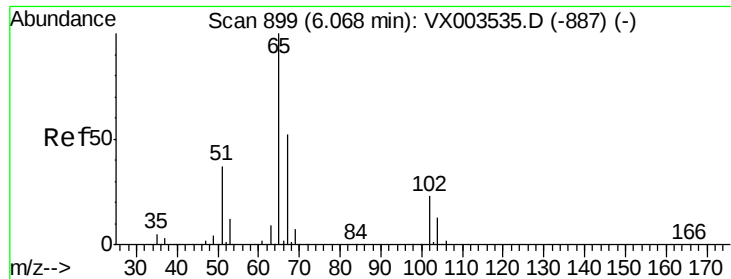


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.538 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003598.D

Acq: 23 Jul 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

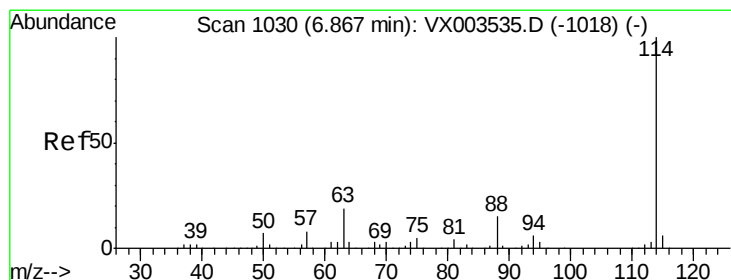
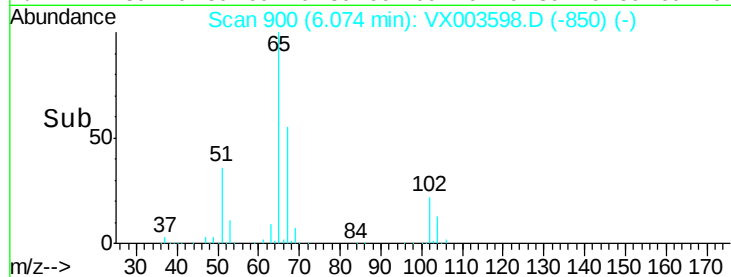
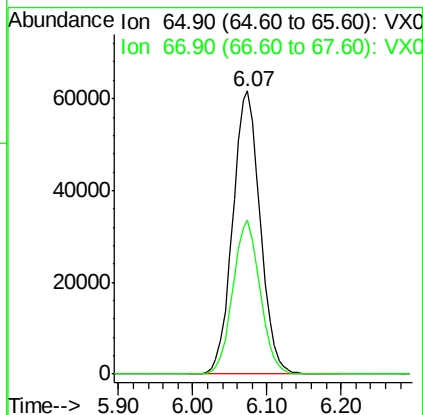
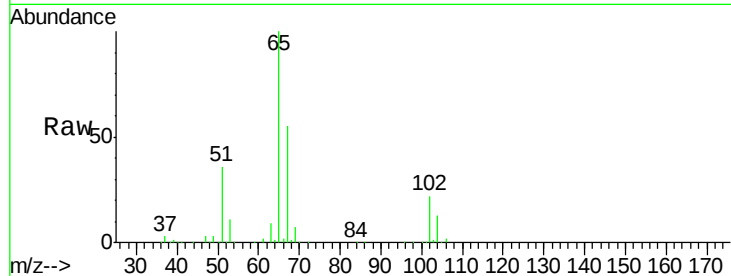
KY030SP003-180717

Tgt Ion: 65 Resp: 159705

Ion Ratio Lower Upper

65 100

67 54.0 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003598.D

Acq: 23 Jul 2018 12:30

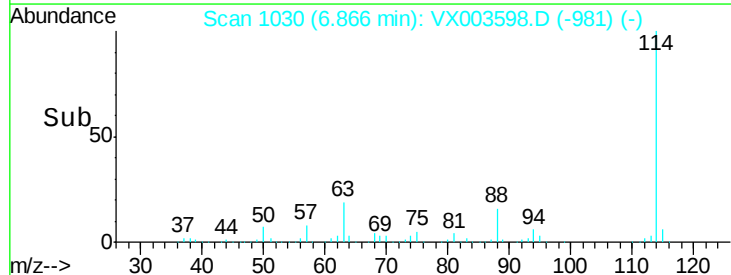
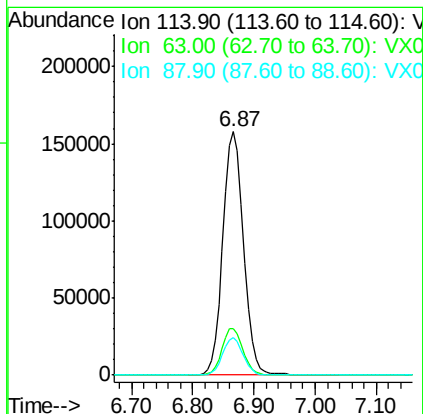
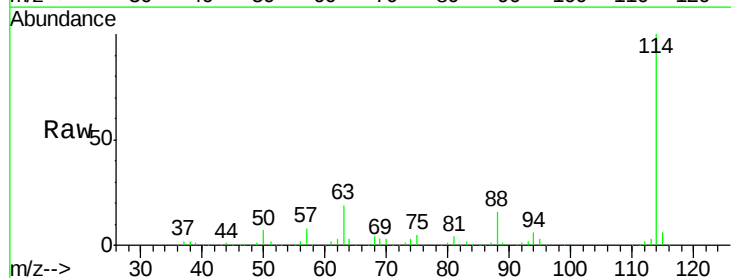
Tgt Ion: 114 Resp: 369596

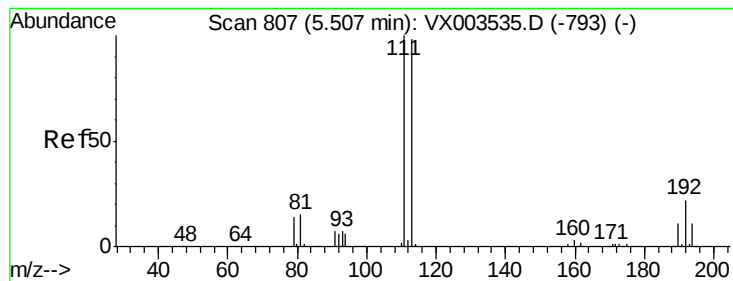
Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

88 15.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.523 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003598.D

Acq: 23 Jul 2018 12:30

Instrument :

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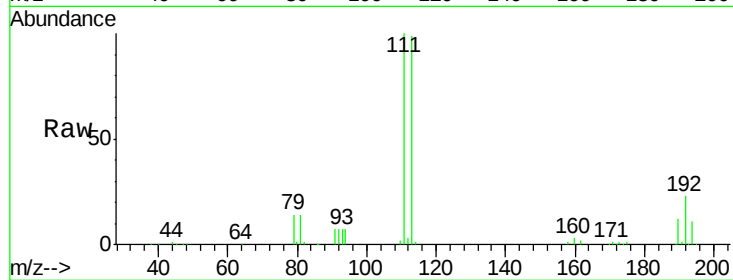
Tgt Ion:113 Resp: 142229

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

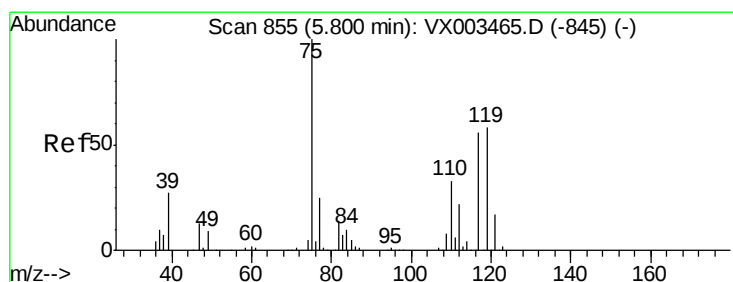
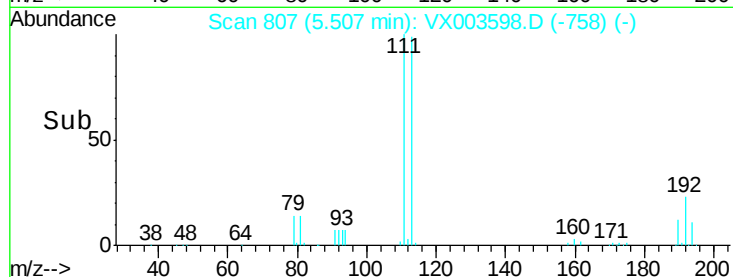
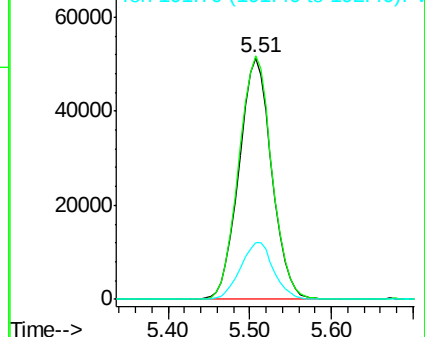
192 23.9 19.1 28.7



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: 3.925 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003598.D

Acq: 23 Jul 2018 12:30

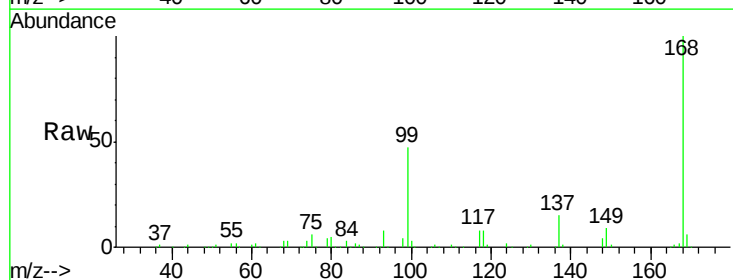
Tgt Ion: 75 Resp: 15664

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

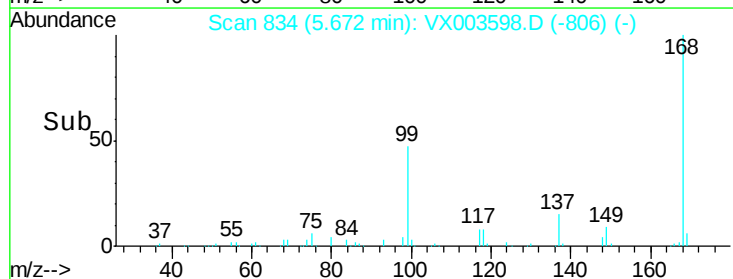
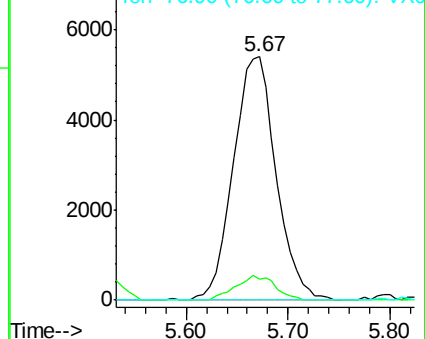
77 0.0 24.3 36.5#

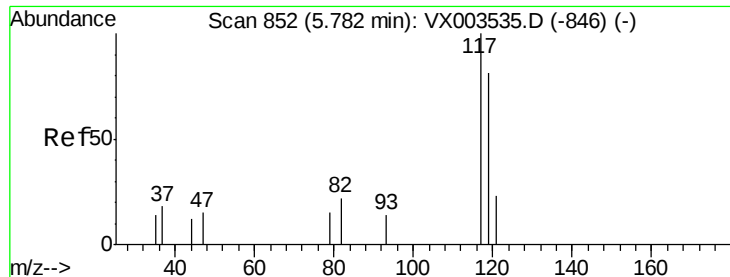


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

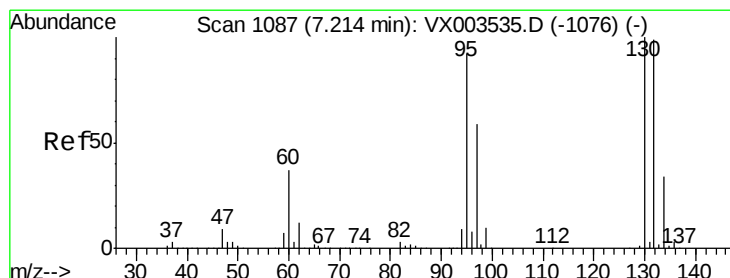
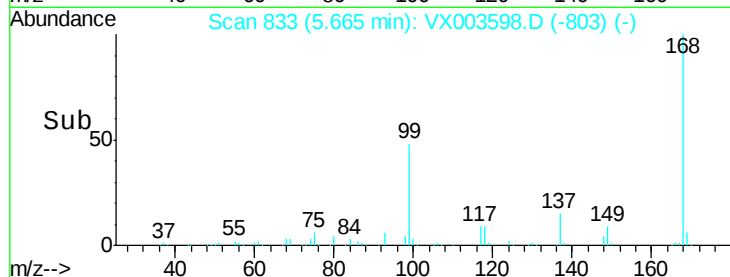
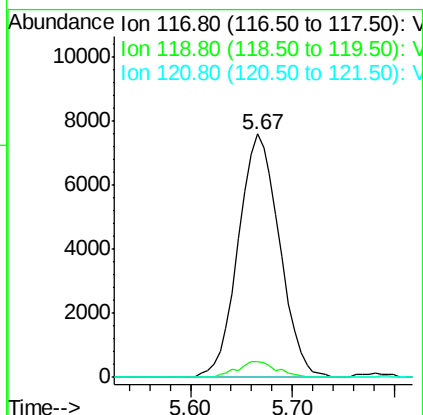
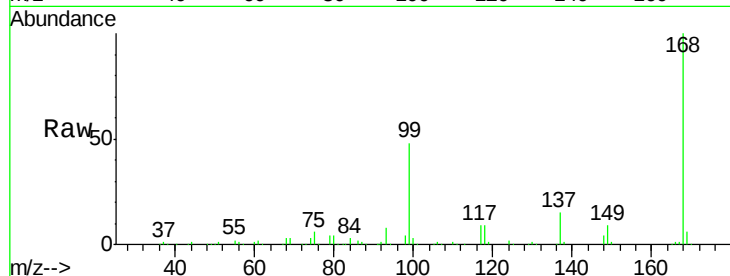




#38
Carbon Tetrachloride
Concen: 5.413 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003598.D
Acq: 23 Jul 2018 12:30

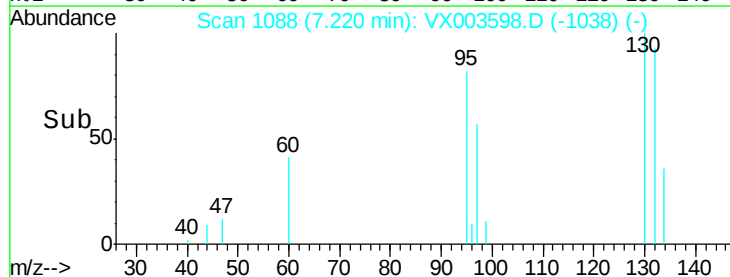
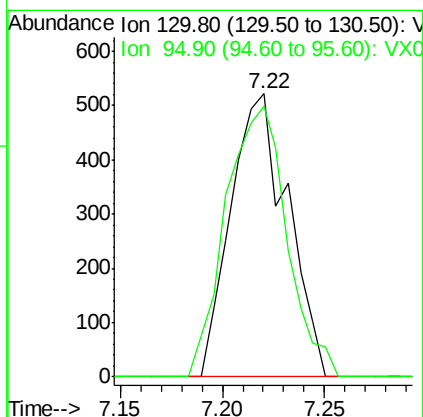
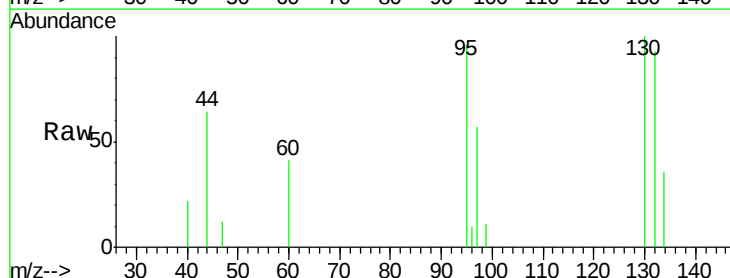
Instrument :
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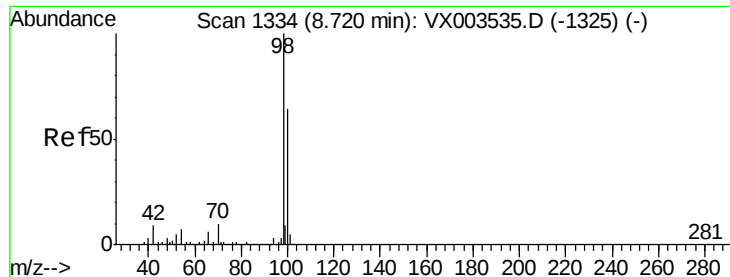
Tgt Ion:117 Resp: 21188
Ion Ratio Lower Upper
117 100
119 6.3 77.4 116.0#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.281 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX003598.D
Acq: 23 Jul 2018 12:30

Tgt Ion:130 Resp: 1009
Ion Ratio Lower Upper
130 100
95 95.6 0.0 185.4

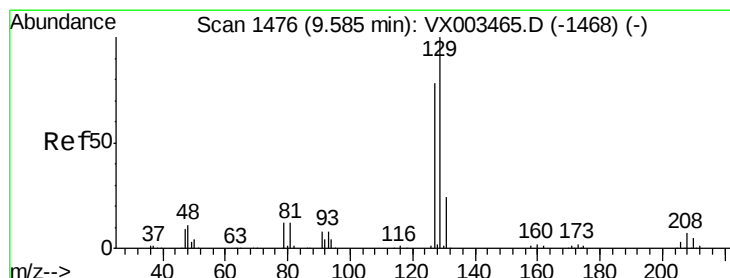
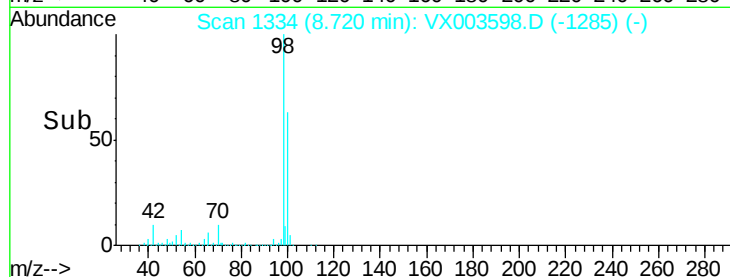
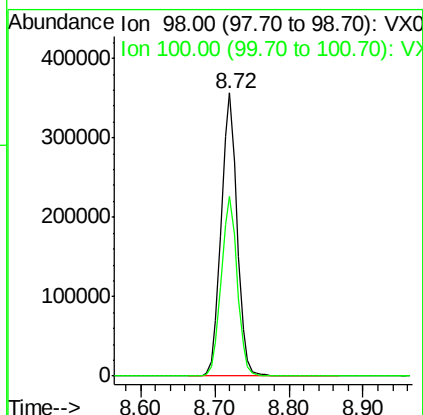
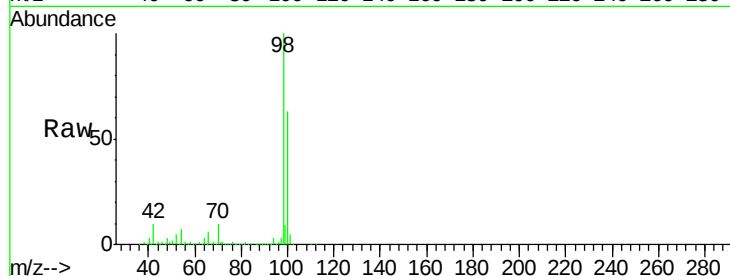




#50
Toluene-d8
Concen: 50.018 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003598.D
Acq: 23 Jul 2018 12:30

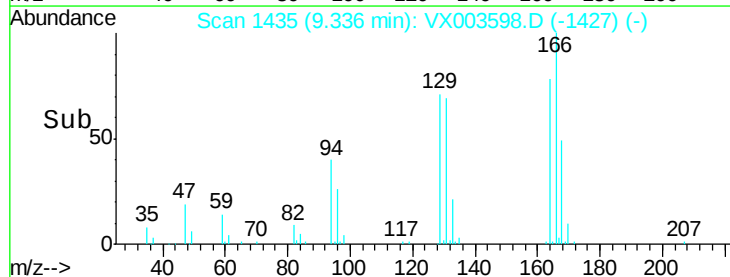
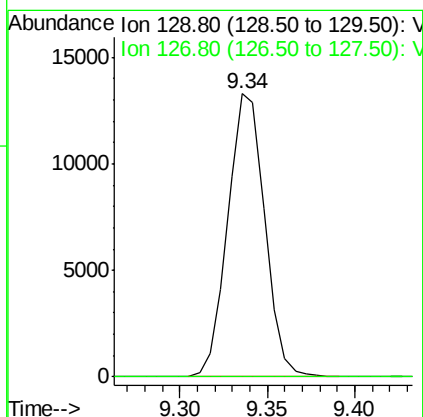
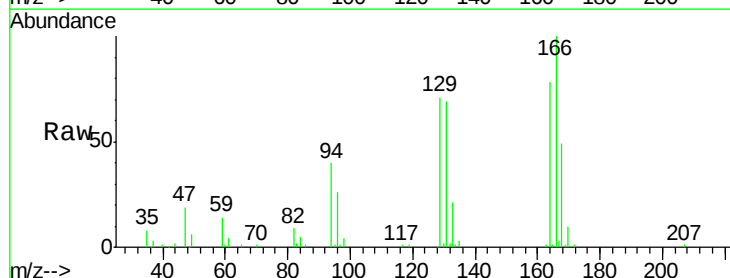
Instrument :
MSVOA_X
ClientSampleId :
KY030SP003-180717

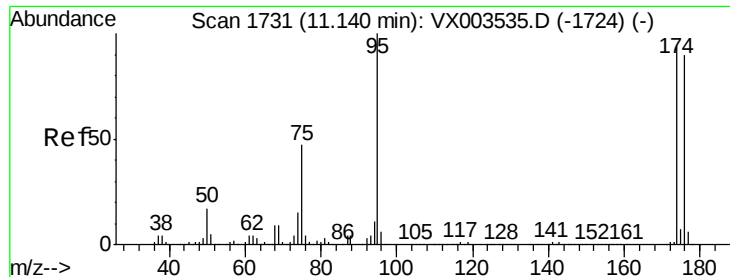
Tgt Ion: 98 Resp: 529241
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



#60
Dibromochloromethane
Concen: 6.534 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX003598.D
Acq: 23 Jul 2018 12:30

Tgt Ion: 129 Resp: 19517
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

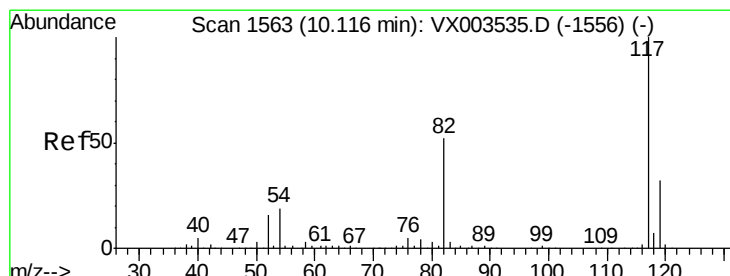
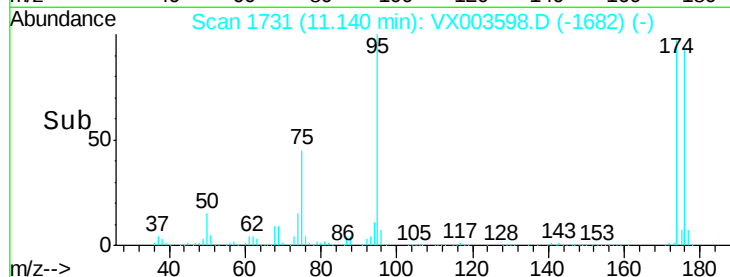
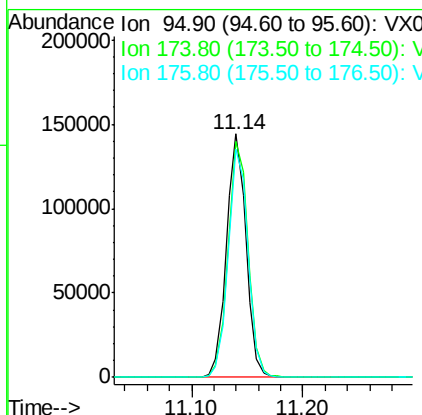
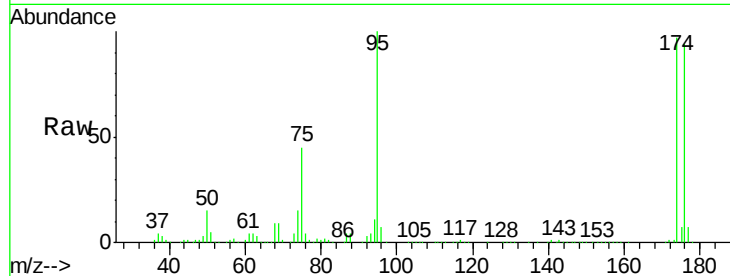




#62
4-Bromofluorobenzene
Concen: 45.358 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003598.D
Acq: 23 Jul 2018 12:30

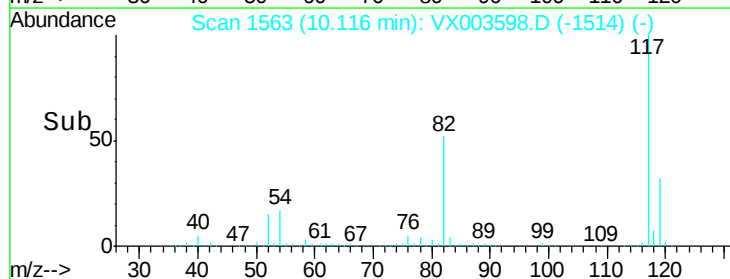
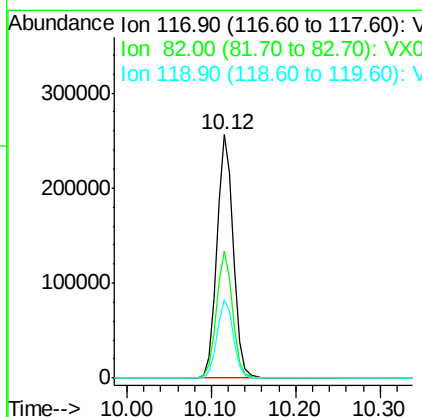
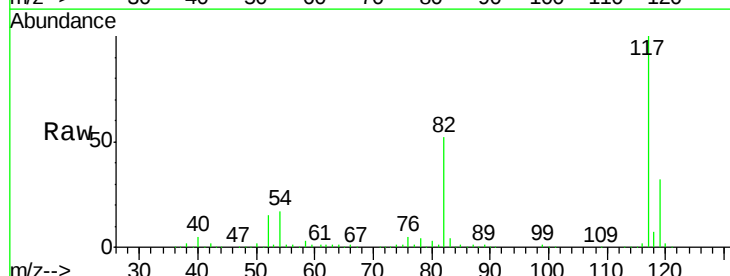
Instrument :
MSVOA_X
ClientSampleId :
KY030SP003-180717

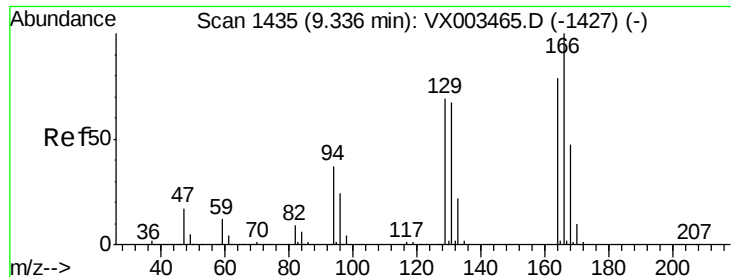
Tgt Ion: 95 Resp: 175144
Ion Ratio Lower Upper
95 100
174 99.1 0.0 187.4
176 95.2 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003598.D
Acq: 23 Jul 2018 12:30

Tgt Ion: 117 Resp: 344746
Ion Ratio Lower Upper
117 100
82 52.2 45.0 67.4
119 32.2 25.8 38.6





#64

Tetrachloroethene

Concen: 5.278 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VX003598.D

Acq: 23 Jul 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

KY030SP003-180717

Tgt Ion:164 Resp: 22169

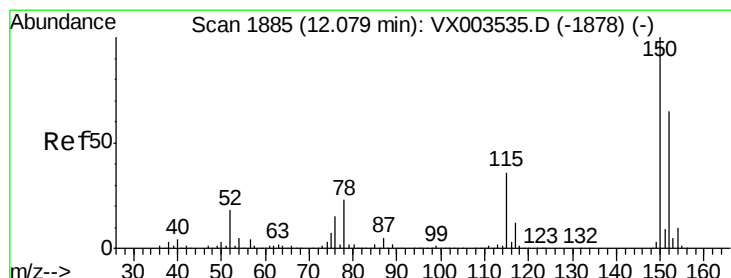
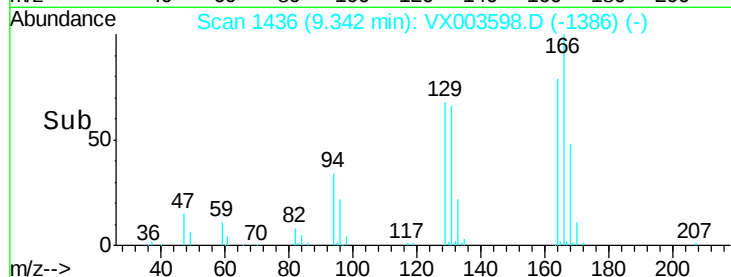
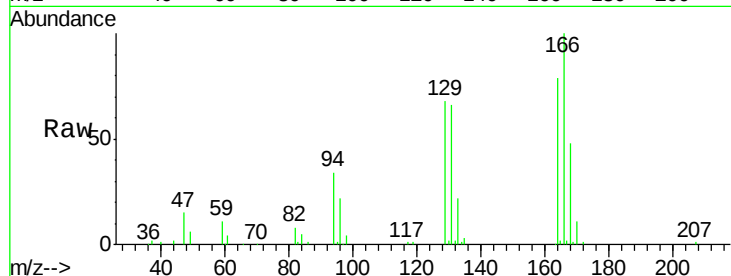
Ion Ratio Lower Upper

164 100

166 126.3 102.9 154.3

129 86.5 68.6 102.8

131 83.2 66.8 100.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003598.D

Acq: 23 Jul 2018 12:30

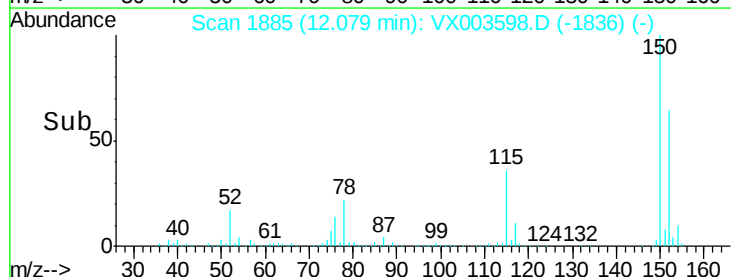
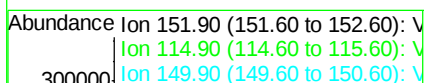
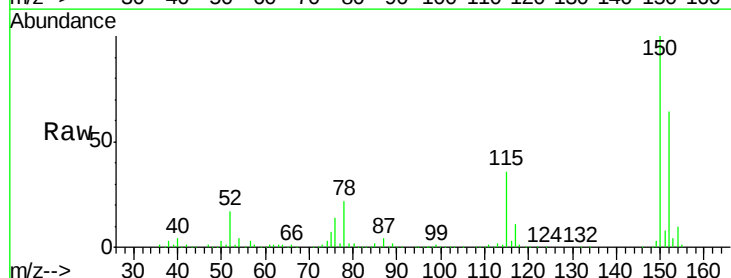
Tgt Ion:152 Resp: 192335

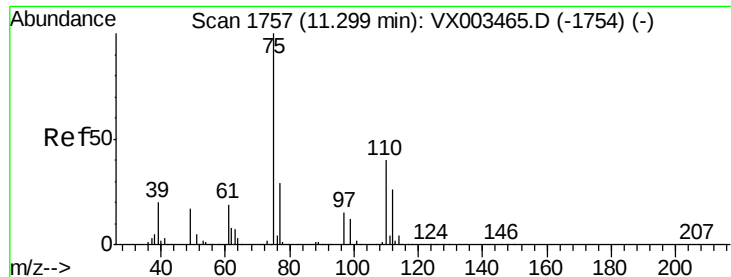
Ion Ratio Lower Upper

152 100

115 53.8 40.1 120.2

150 155.5 0.0 347.2

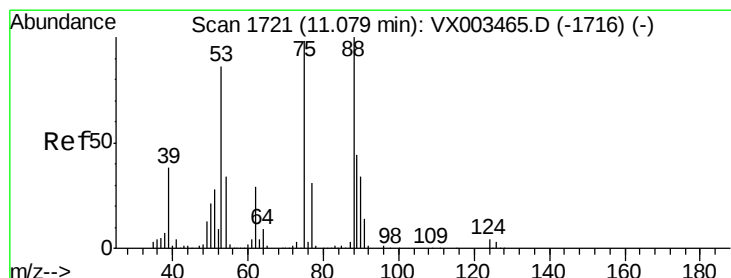
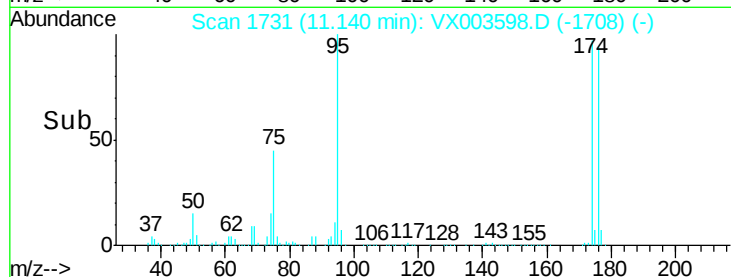
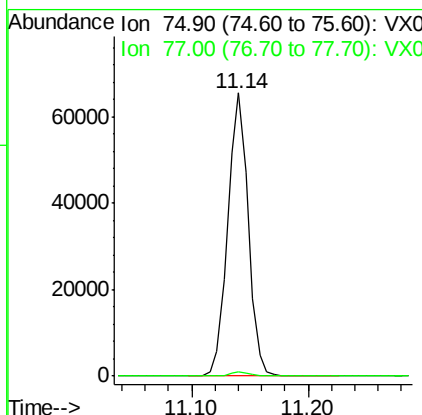
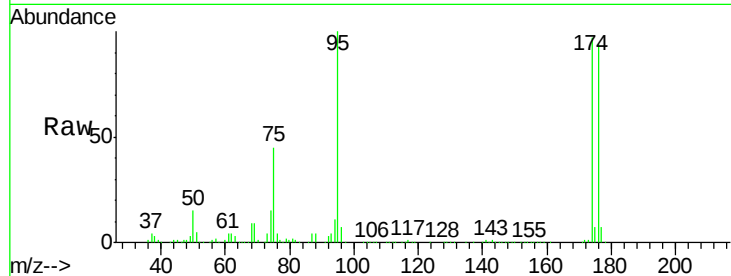




#76
 1,2,3-Trichloropropane
 Concen: 23.116 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003598.D
 Acq: 23 Jul 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SP003-180717

Tgt Ion: 75 Resp: 79870
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.910 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003598.D
 Acq: 23 Jul 2018 12:30

Tgt Ion: 75 Resp: 79870
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

