

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX060819\
 Data File : VX010148.D
 Acq On : 08 Jun 2019 19:03
 Operator : JC/SP
 Sample : K3249-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP05-20190606

Quant Time: Jun 10 08:03:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	286077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	430337	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	385614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182194	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	127083	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	
35) Dibromofluoromethane	5.50	113	132644	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
50) Toluene-d8	8.71	98	499105	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	173774	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	

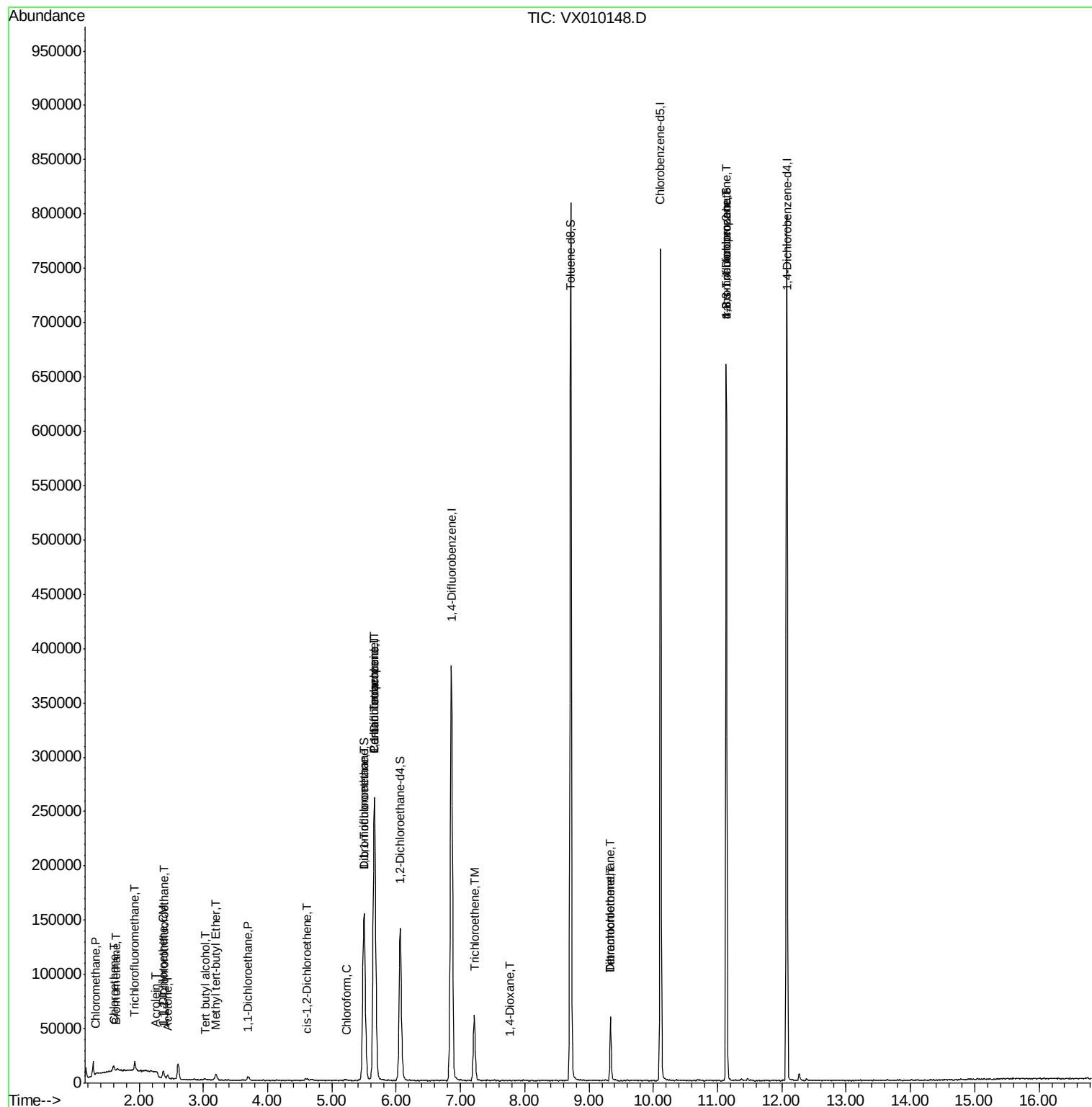
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	710	0.272	ug/l	98
5) Bromomethane	1.64	94	346	0.373	ug/l #	63
6) Chloroethane	1.62	64	429	0.346	ug/l #	57
7) Trichlorofluoromethane	1.93	101	5254	1.440	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	916	0.364	ug/l #	86
11) Tert butyl alcohol	3.03	59	826	1.207	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	2212	0.861	ug/l #	69
13) Acrolein	2.26	56	610	4.890	ug/l	91
16) Acetone	2.45	43	3150	2.398	ug/l	91
19) Methyl tert-butyl Ether	3.20	73	6699	0.811	ug/l #	87
24) 1,1-Dichloroethane	3.70	63	3338	0.741	ug/l #	81
27) cis-1,2-Dichloroethene	4.61	96	1522	0.481	ug/l	66
30) Chloroform	5.22	83	1008	0.216	ug/l	86
32) 1,1,1-Trichloroethane	5.49	97	960	0.218	ug/l #	42
36) 1,1-Dichloropropene	5.66	75	16582	4.723	ug/l #	52
38) Carbon Tetrachloride	5.67	117	23892	6.012	ug/l #	15
44) Trichloroethene	7.21	130	25183	7.696	ug/l	92
49) 1,4-Dioxane	7.76	88	34	0.417	ug/l #	1
60) Dibromochloromethane	9.34	129	10743	3.108	ug/l #	11
64) Tetrachloroethene	9.34	164	11819	4.127	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	78026	21.411	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	78026	47.306	ug/l #	10

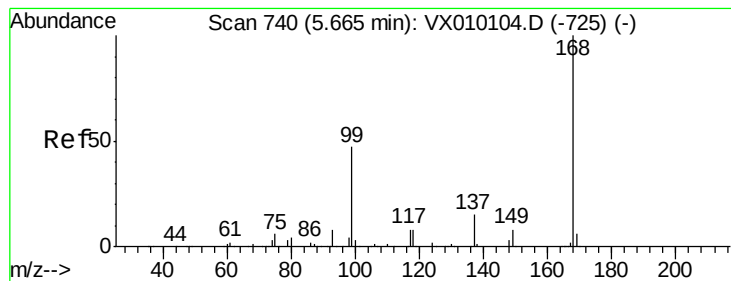
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
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Quant Time: Jun 10 08:03:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

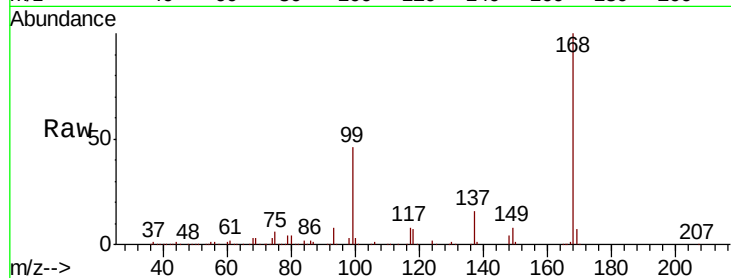
BP-DUP05-20190606

Tgt Ion: 168 Resp: 286077

Ion Ratio Lower Upper

168 100

99 46.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

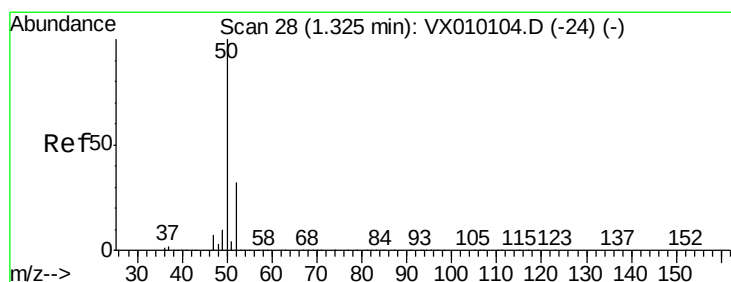
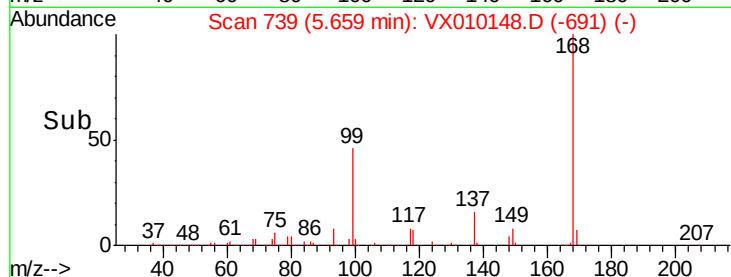
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.272 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010148.D

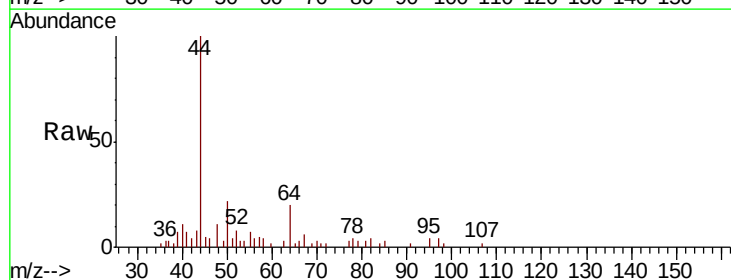
Acq: 08 Jun 2019 19:03

Tgt Ion: 50 Resp: 710

Ion Ratio Lower Upper

50 100

52 31.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

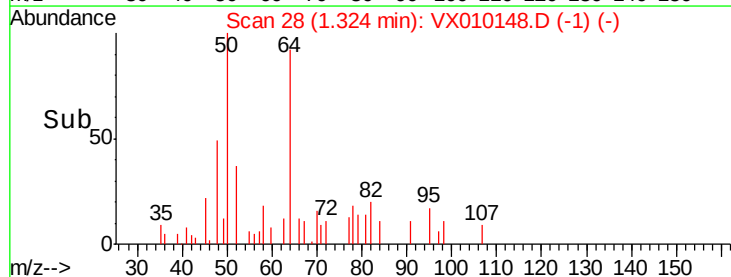
600

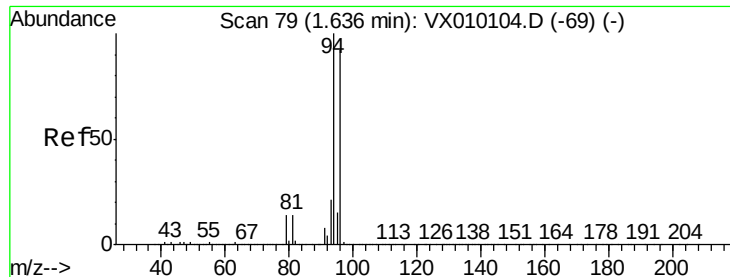
400

200

0

Time-->





#5

Bromomethane

Concen: 0.373 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

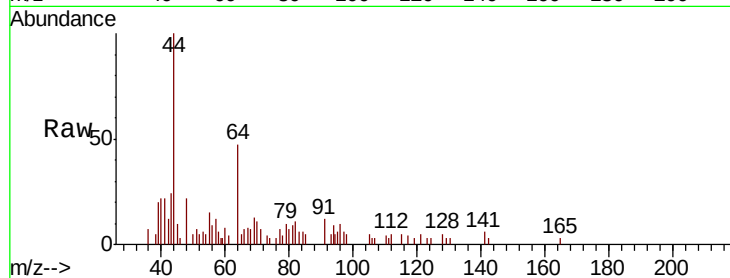
BP-DUP05-20190606

Tgt Ion: 94 Resp: 346

Ion Ratio Lower Upper

94 100

96 59.6 76.2 114.4#

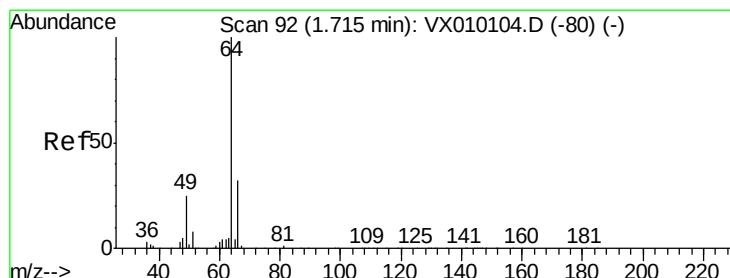
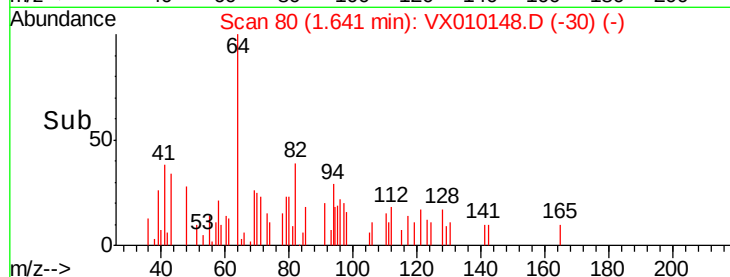


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

Time-->



#6

Chloroethane

Concen: 0.346 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.09 min

Lab File: VX010148.D

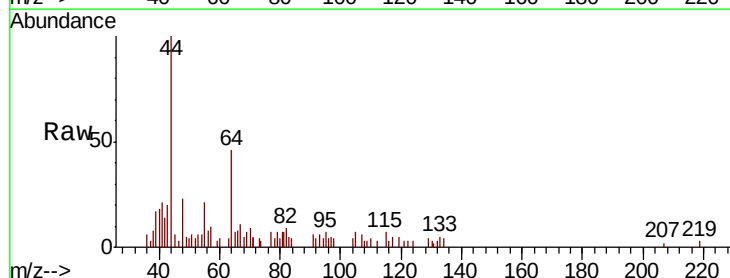
Acq: 08 Jun 2019 19:03

Tgt Ion: 64 Resp: 429

Ion Ratio Lower Upper

64 100

66 7.9 25.1 37.7#

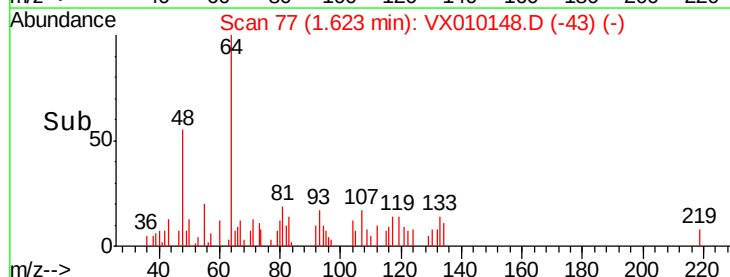


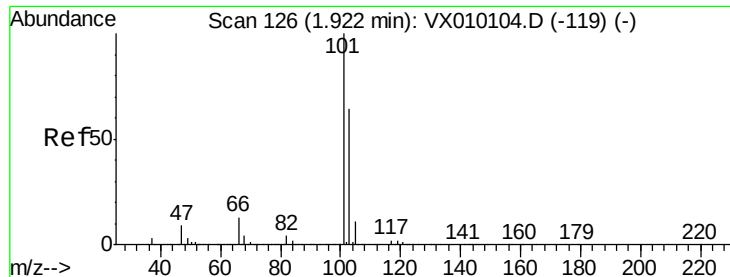
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.62

Time-->





#7

Trichlorofluoromethane

Concen: 1.440 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.01 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

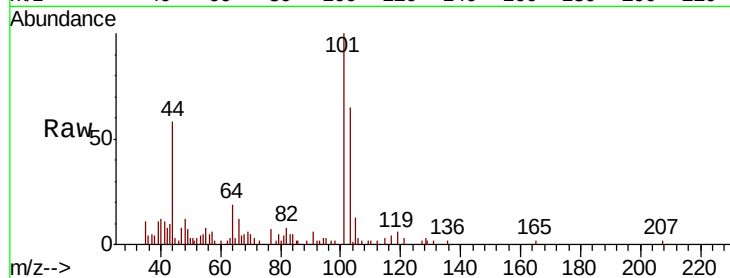
BP-DUP05-20190606

Tgt Ion:101 Resp: 5254

Ion Ratio Lower Upper

101 100

103 64.9 52.2 78.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

4000

3000

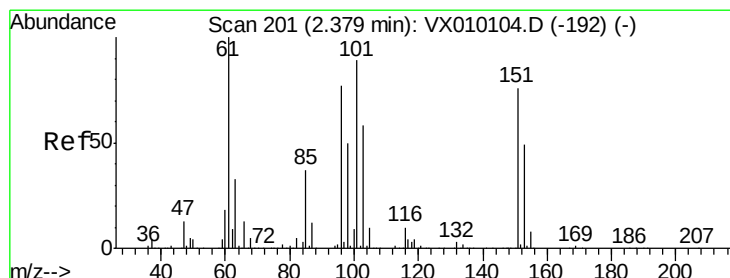
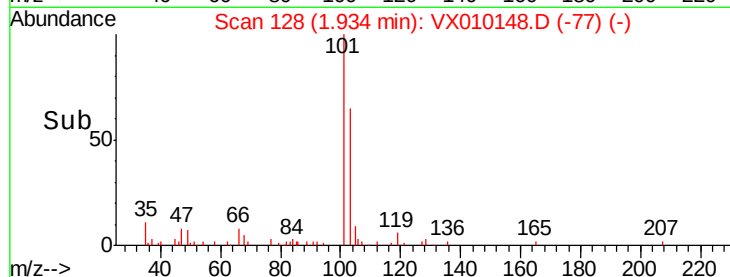
2000

1000

0

Time-->

1.85 1.90 1.95 2.00



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.364 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

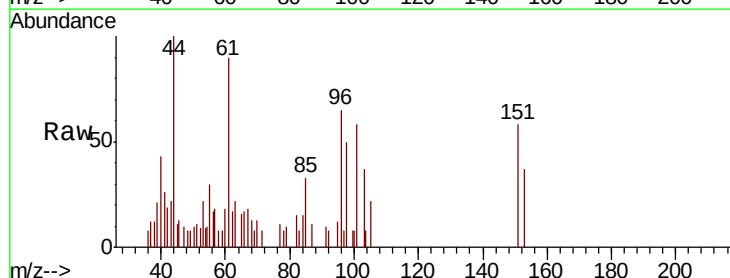
Tgt Ion:101 Resp: 916

Ion Ratio Lower Upper

101 100

85 59.6 35.2 52.8#

151 84.5 61.9 92.9



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

2.39

500

400

300

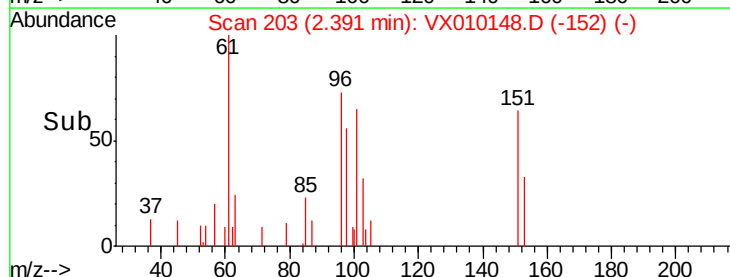
200

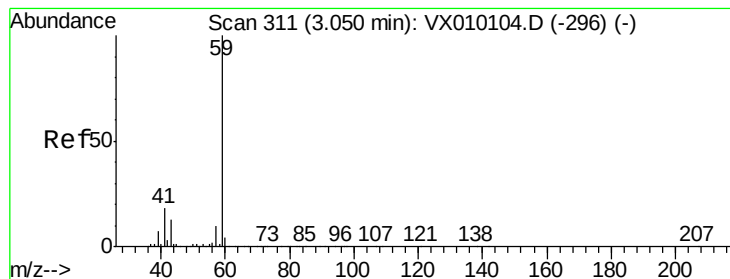
100

0

Time-->

2.35 2.40 2.45



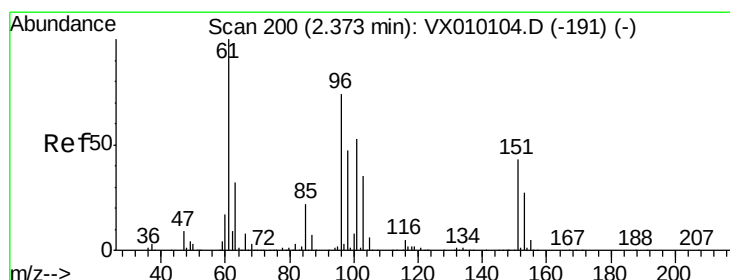
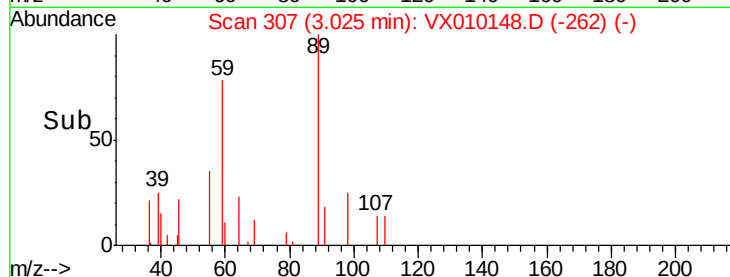
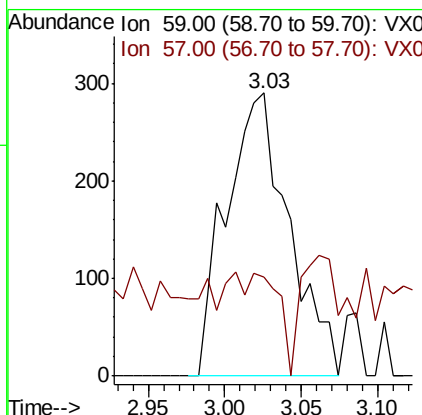
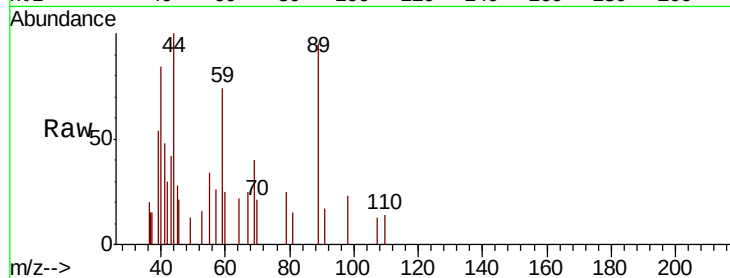


#11

Tert butyl alcohol
 Concen: 1.207 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX010148.D
 Acq: 08 Jun 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP05-20190606

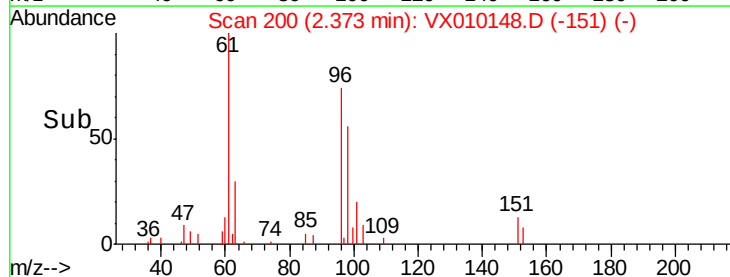
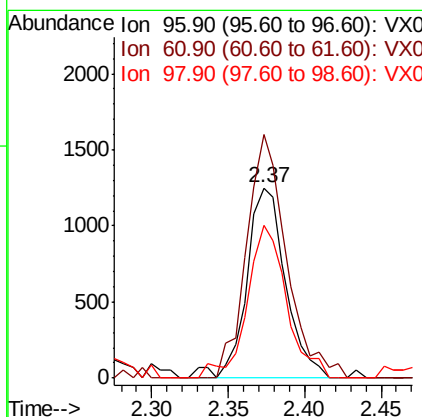
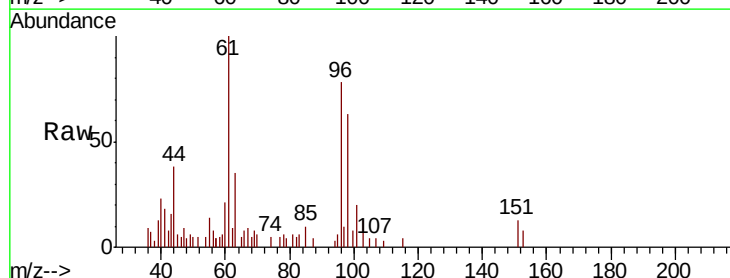
Tgt Ion: 59 Resp: 826
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

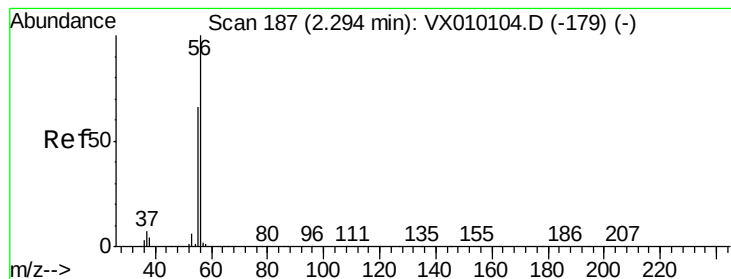


#12

1,1-Dichloroethene
 Concen: 0.861 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX010148.D
 Acq: 08 Jun 2019 19:03

Tgt Ion: 96 Resp: 2212
 Ion Ratio Lower Upper
 96 100
 61 127.9 140.7 211.1#
 98 80.1 50.1 75.1#





#13

Acrolein

Concen: 4.890 ug/l

RT: 2.26 min Scan# 181

Delta R.T. -0.04 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

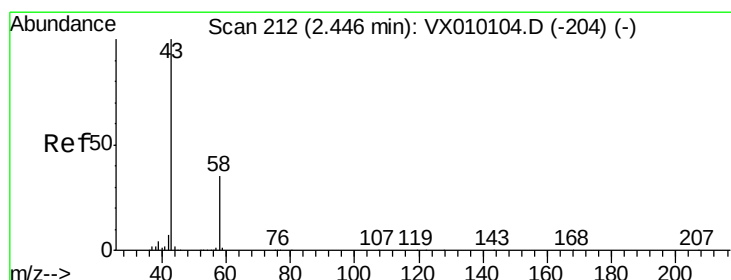
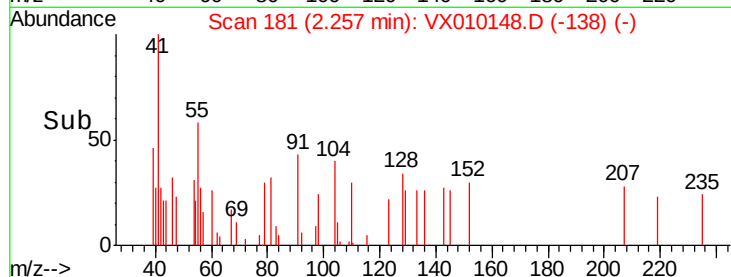
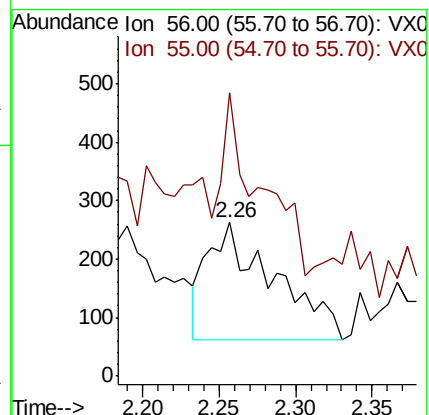
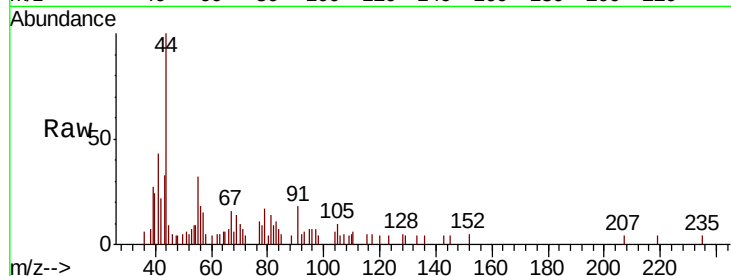
BP-DUP05-20190606

Tgt Ion: 56 Resp: 610

Ion Ratio Lower Upper

56 100

55 78.4 57.0 85.4



#16

Acetone

Concen: 2.398 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010148.D

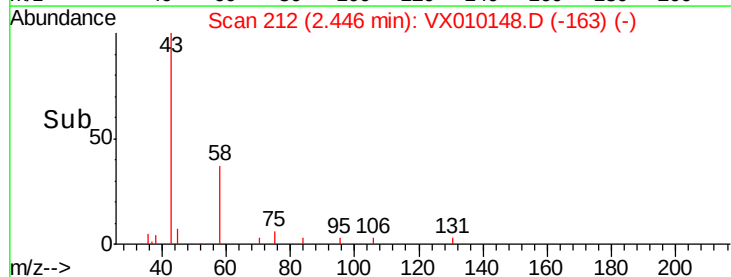
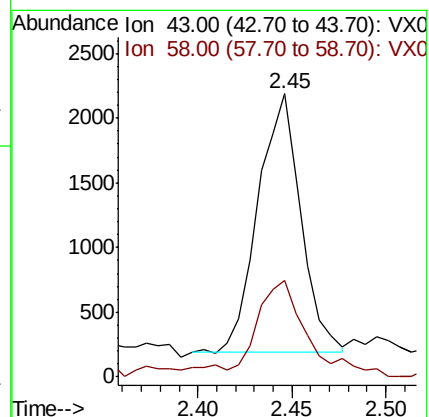
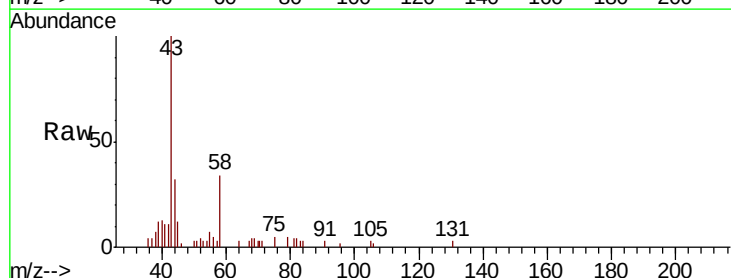
Acq: 08 Jun 2019 19:03

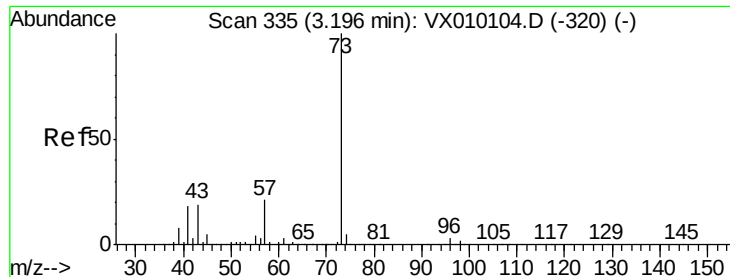
Tgt Ion: 43 Resp: 3150

Ion Ratio Lower Upper

43 100

58 33.9 23.2 34.8

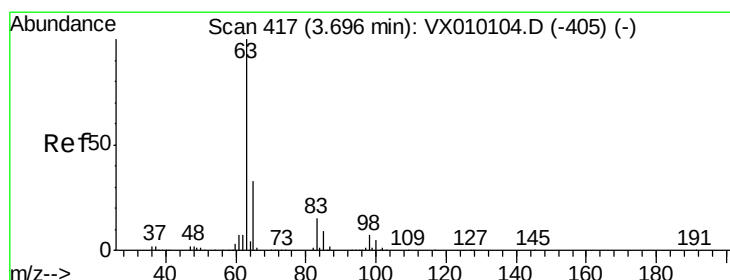
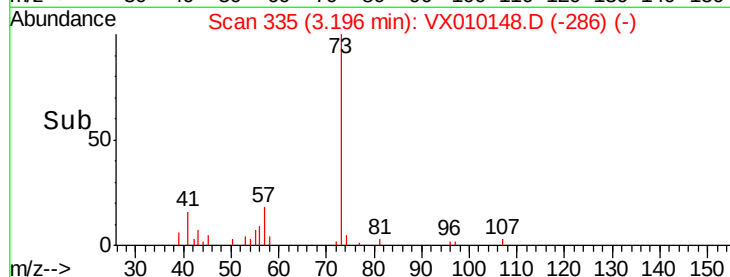
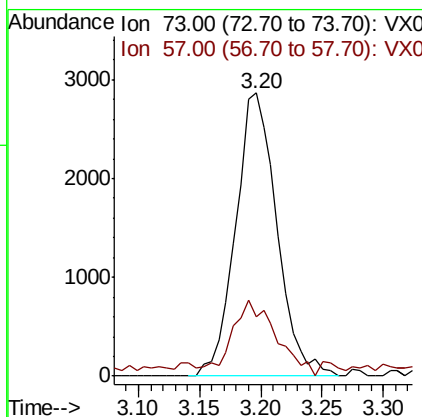
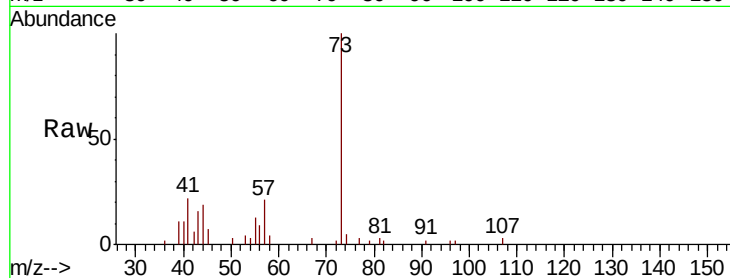




#19
Methyl tert-butyl Ether
Concen: 0.811 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010148.D
Acq: 08 Jun 2019 19:03

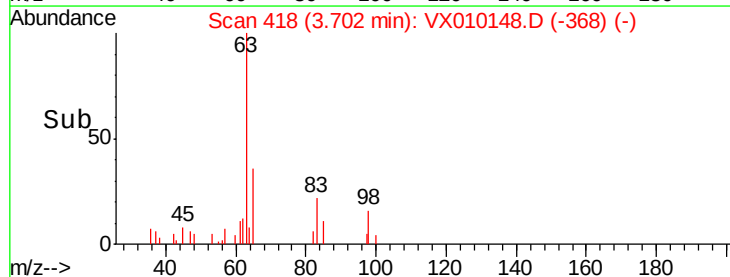
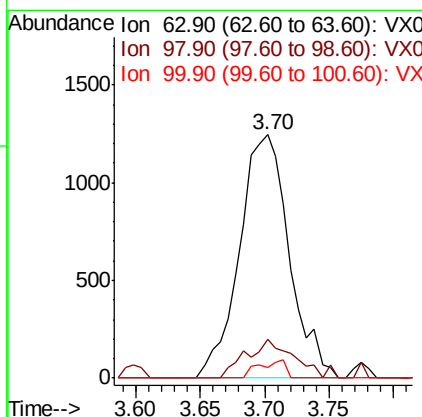
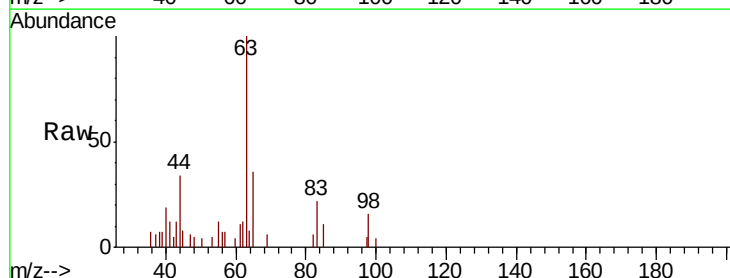
Instrument :
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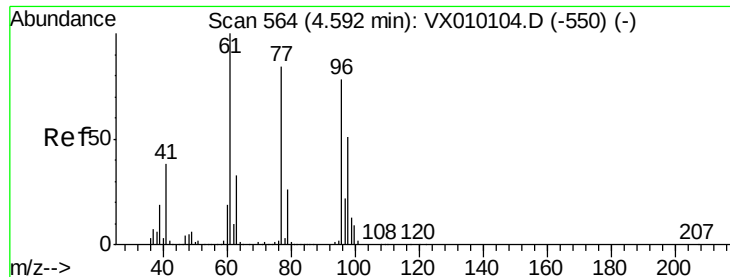
Tgt Ion: 73 Resp: 6699
Ion Ratio Lower Upper
73 100
57 18.0 19.4 29.2#



#24
1,1-Dichloroethane
Concen: 0.741 ug/l
RT: 3.70 min Scan# 418
Delta R.T. 0.01 min
Lab File: VX010148.D
Acq: 08 Jun 2019 19:03

Tgt Ion: 63 Resp: 3338
Ion Ratio Lower Upper
63 100
98 15.8 2.9 8.8#
100 4.3 1.8 5.4



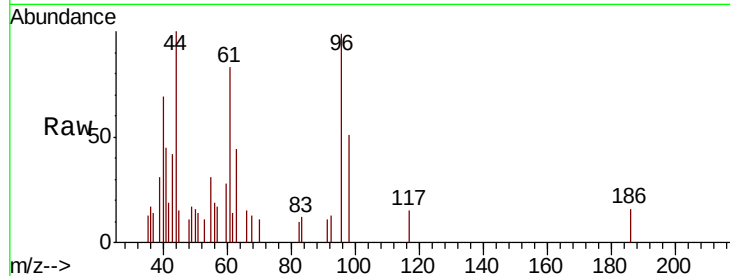


#27

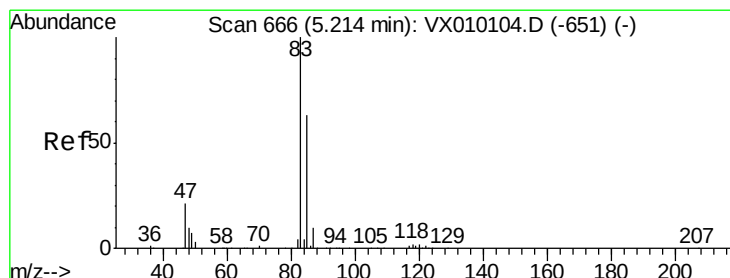
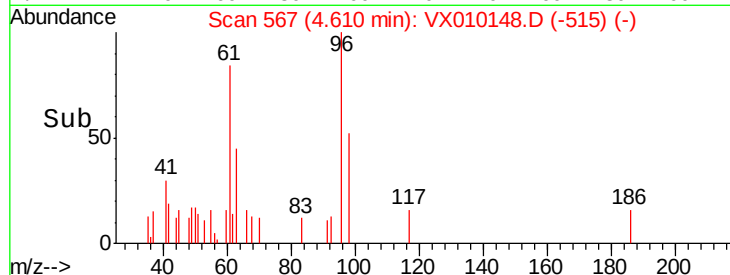
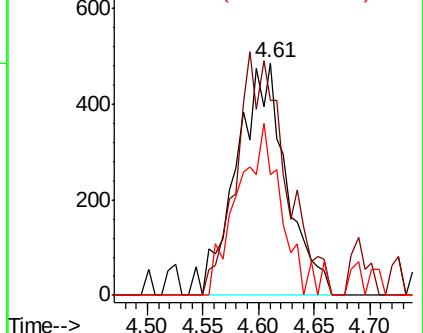
cis-1,2-Dichloroethene
 Concen: 0.481 ug/l
 RT: 4.61 min Scan# 567
 Delta R.T. 0.02 min
 Lab File: VX010148.D
 Acq: 08 Jun 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP05-20190606

Tgt Ion: 96 Resp: 1522
 Ion Ratio Lower Upper
 96 100
 61 102.6 0.0 334.0
 98 65.0 0.0 131.6



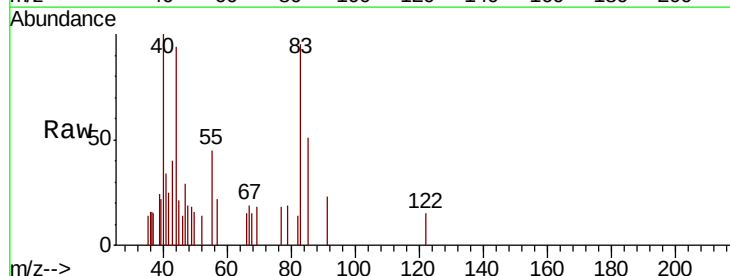
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



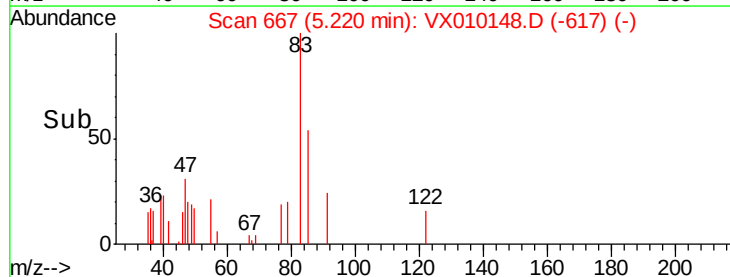
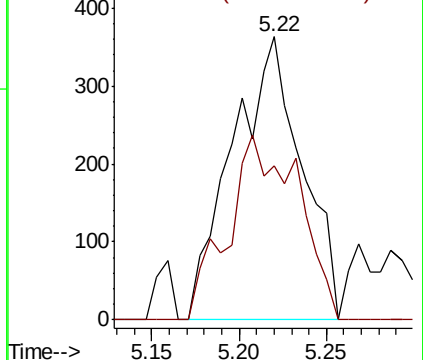
#30

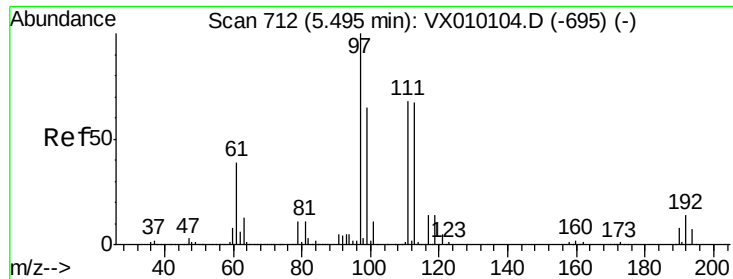
Chloroform
 Concen: 0.216 ug/l
 RT: 5.22 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VX010148.D
 Acq: 08 Jun 2019 19:03

Tgt Ion: 83 Resp: 1008
 Ion Ratio Lower Upper
 83 100
 85 54.3 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0





#32

1,1,1-Trichloroethane

Concen: 0.218 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP05-20190606

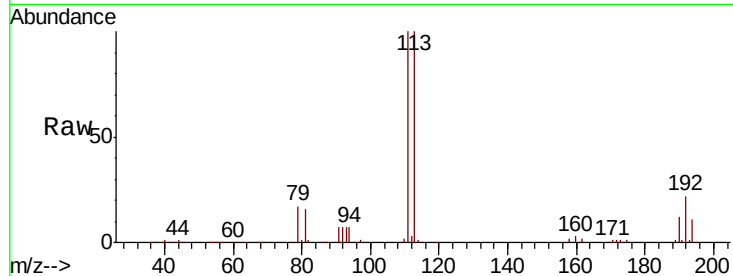
Tgt Ion: 97 Resp: 960

Ion Ratio Lower Upper

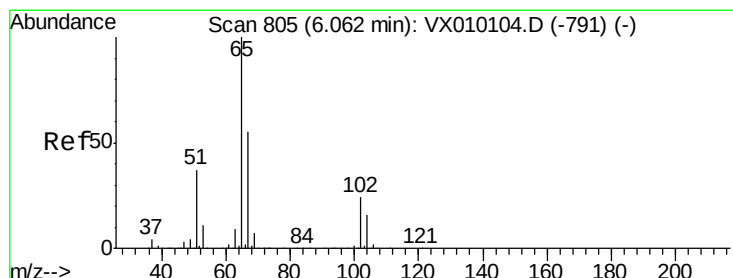
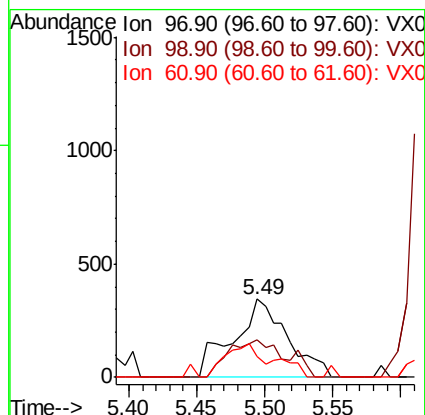
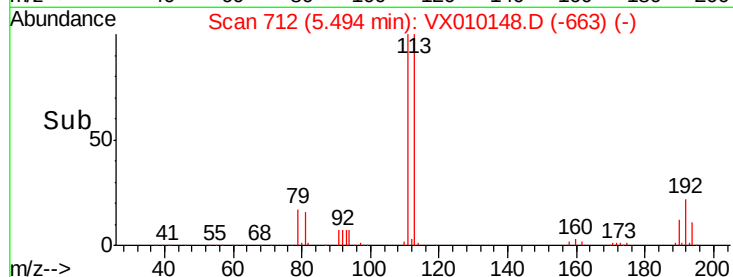
97 100

99 0.0 51.0 76.4#

61 29.5 38.7 58.1#



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.510 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010148.D

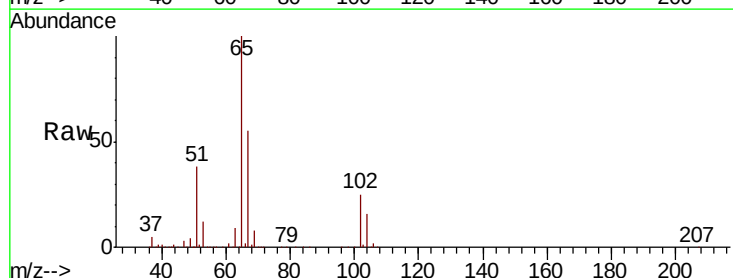
Acq: 08 Jun 2019 19:03

Tgt Ion: 65 Resp: 127083

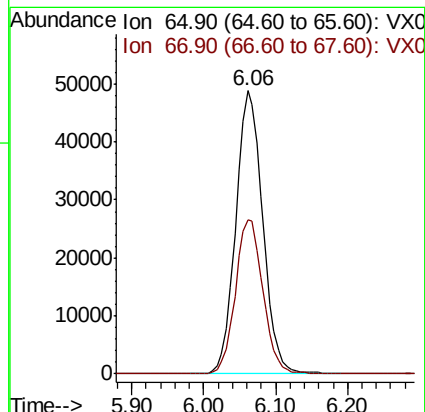
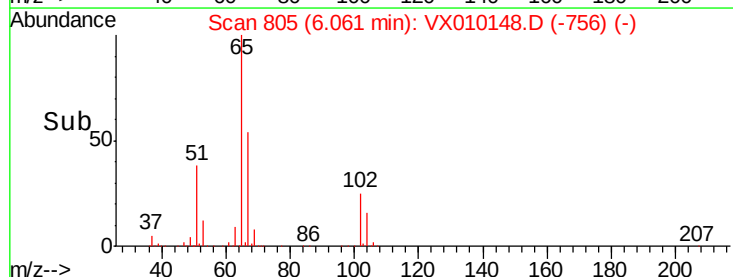
Ion Ratio Lower Upper

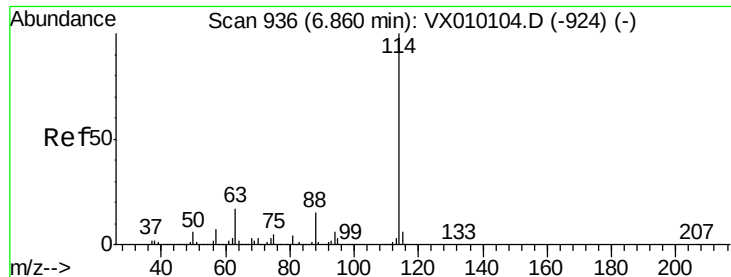
65 100

67 55.5 0.0 108.4



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

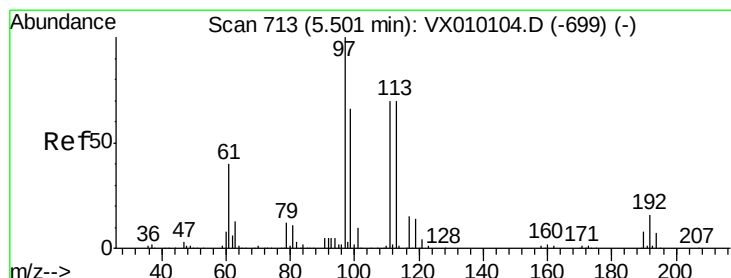
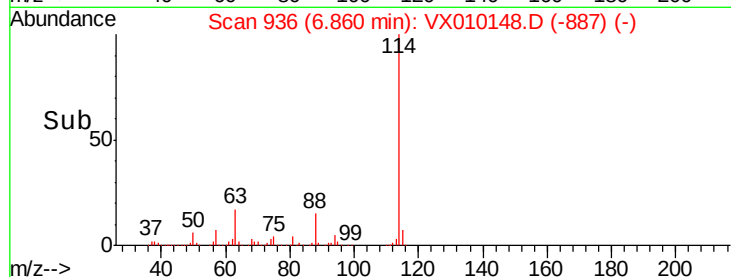
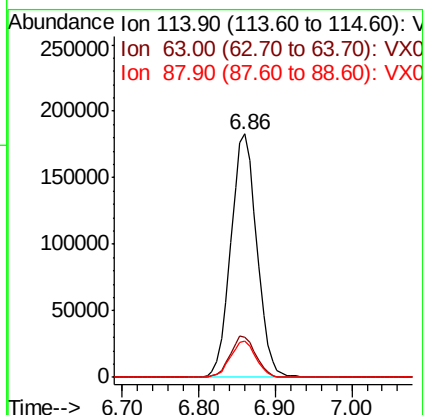
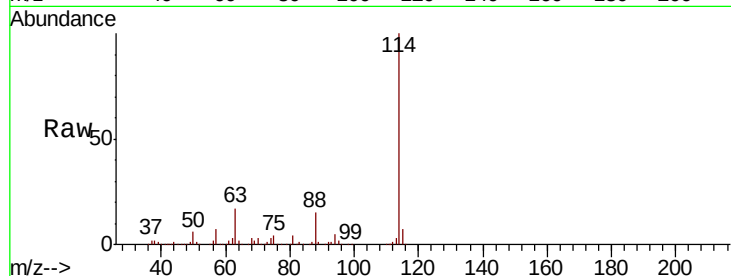




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010148.D
 Acq: 08 Jun 2019 19:03

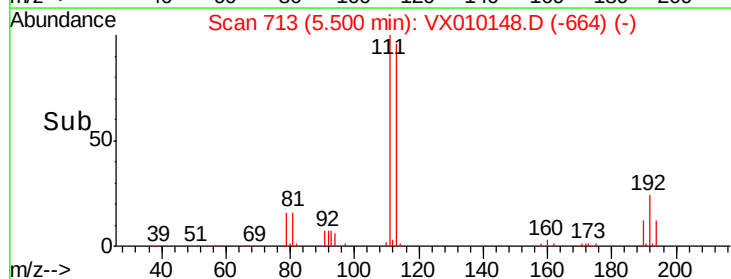
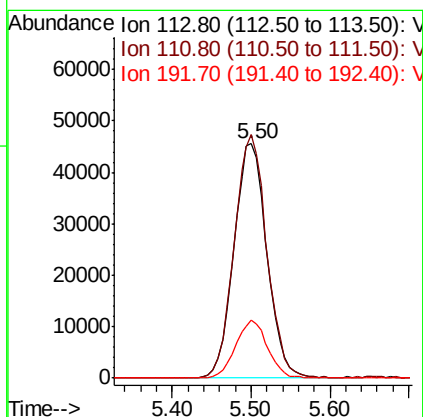
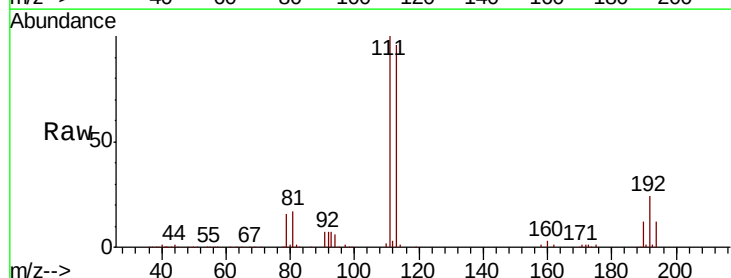
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP05-20190606

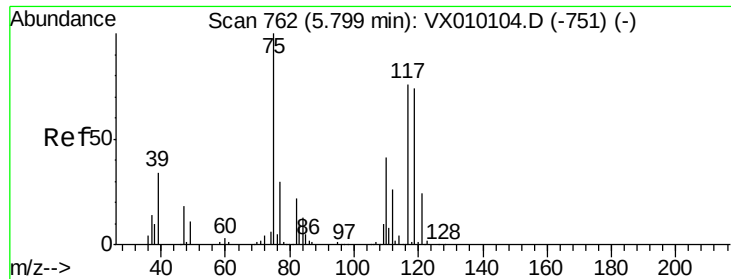
Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	47.4
88	14.8	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 49.971 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010148.D
 Acq: 08 Jun 2019 19:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	23.8	17.1	25.7

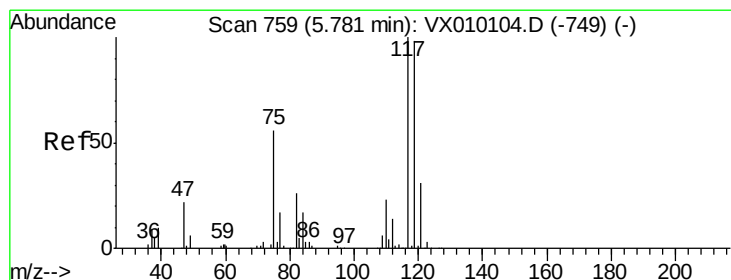
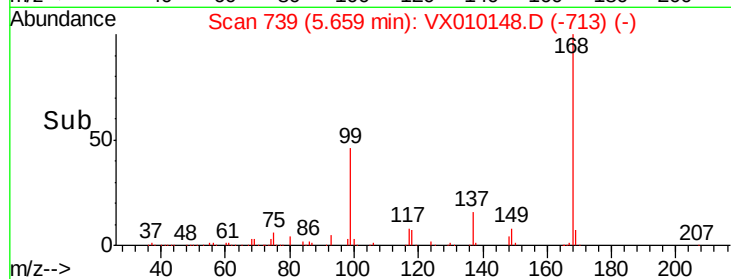
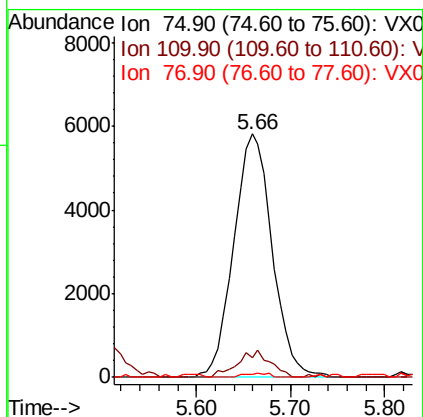
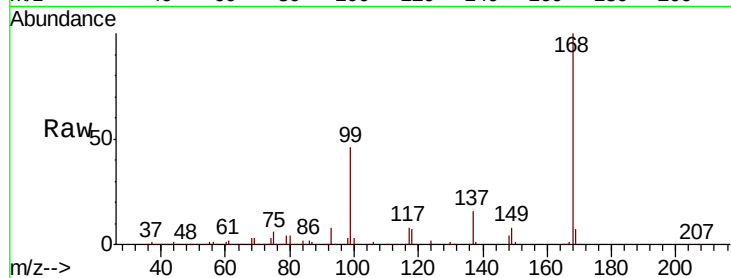




#36
 1,1-Dichloropropene
 Concen: 4.723 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010148.D
 Acq: 08 Jun 2019 19:03

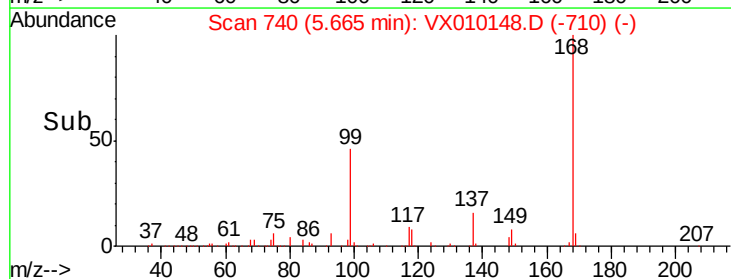
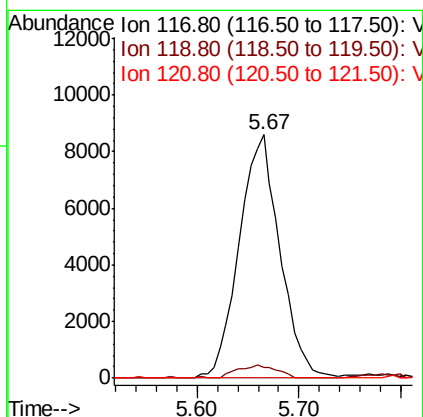
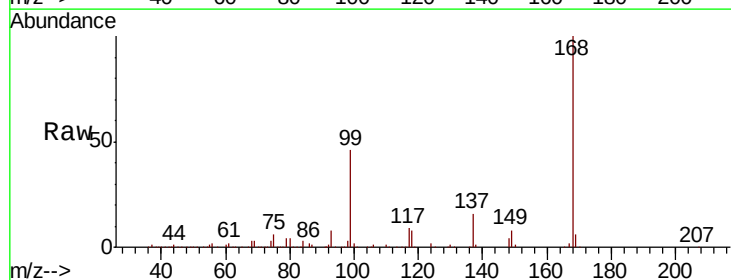
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP05-20190606

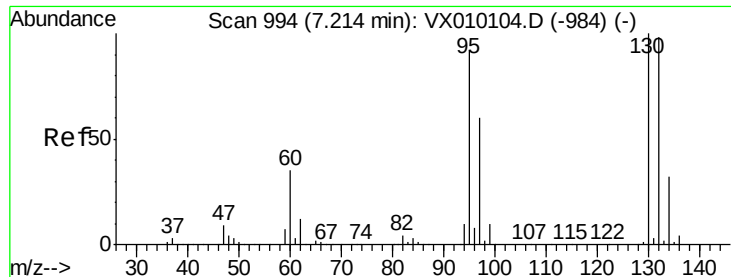
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.7	50.1#
77	1.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.012 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010148.D
 Acq: 08 Jun 2019 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	77.3	115.9#
121	0.0	25.4	38.0#





#44

Trichloroethene

Concen: 7.696 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

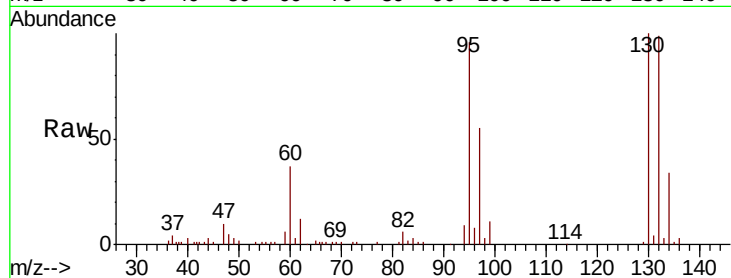
BP-DUP05-20190606

Tgt Ion:130 Resp: 25183

Ion Ratio Lower Upper

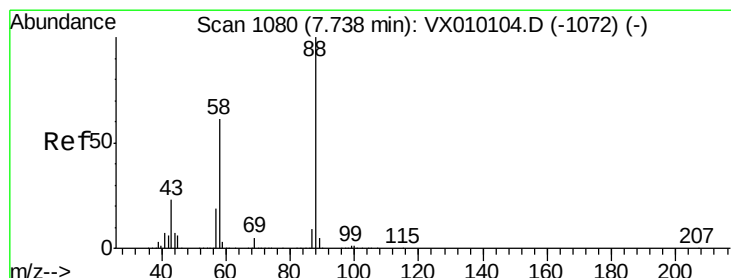
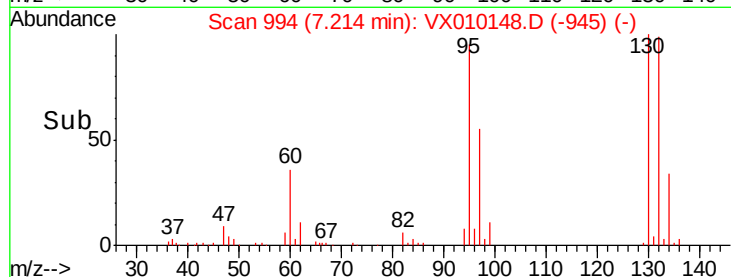
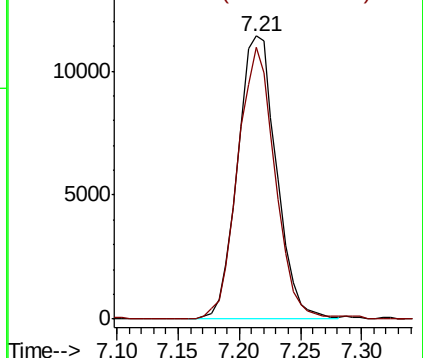
130 100

95 96.0 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.417 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

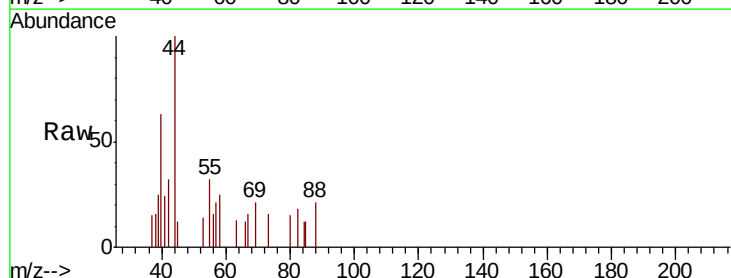
Tgt Ion: 88 Resp: 34

Ion Ratio Lower Upper

88 100

43 550.0 30.2 45.4#

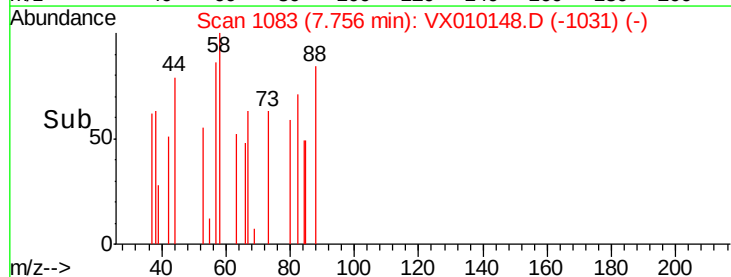
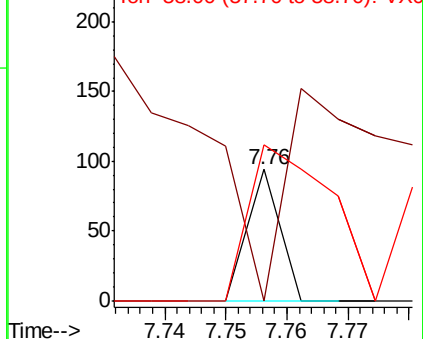
58 388.2 64.0 96.0#

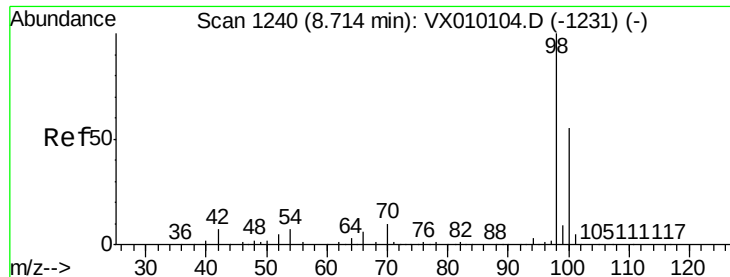


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

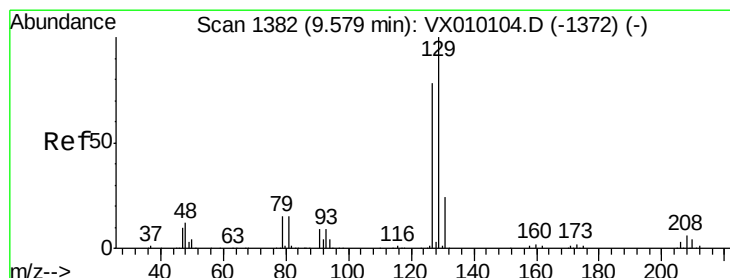
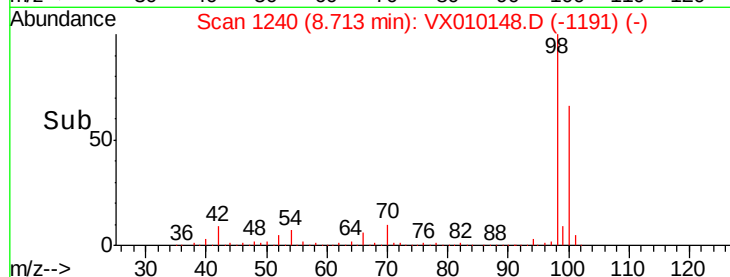
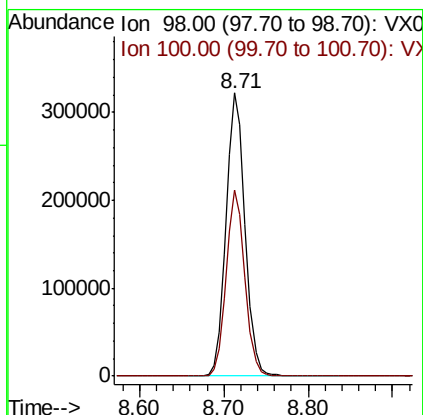
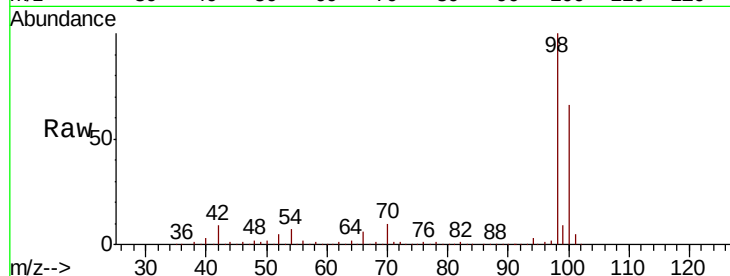




#50
Toluene-d8
Concen: 50.170 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010148.D
Acq: 08 Jun 2019 19:03

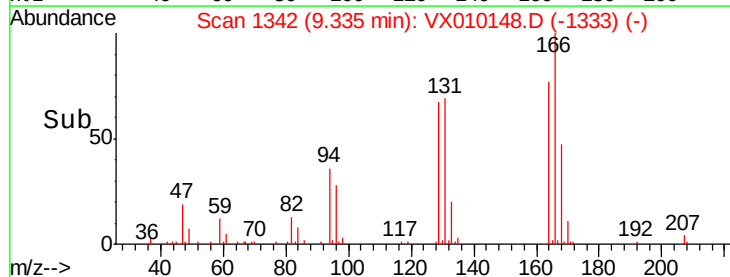
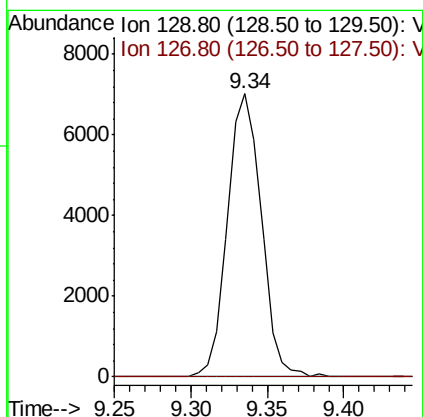
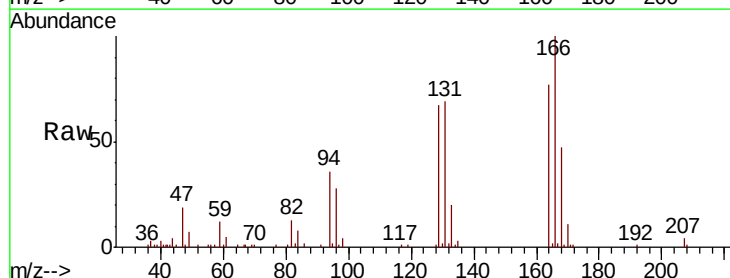
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP05-20190606

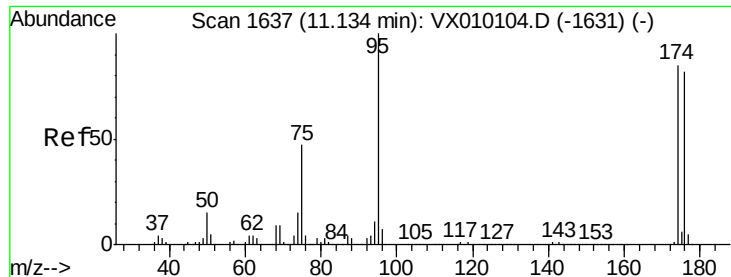
Tgt Ion: 98 Resp: 499105
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3



#60
Dibromochloromethane
Concen: 3.108 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010148.D
Acq: 08 Jun 2019 19:03

Tgt Ion: 129 Resp: 10743
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 46.773 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP05-20190606

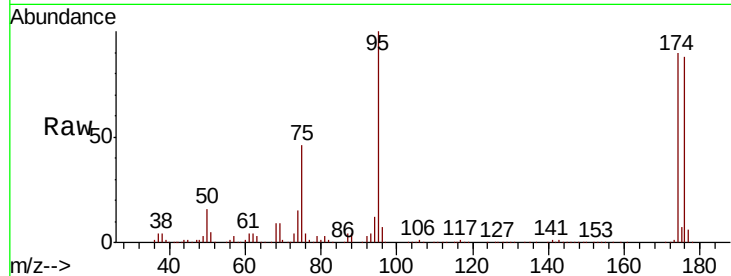
Tgt Ion: 95 Resp: 173774

Ion Ratio Lower Upper

95 100

174 93.6 0.0 160.4

176 91.7 0.0 154.6

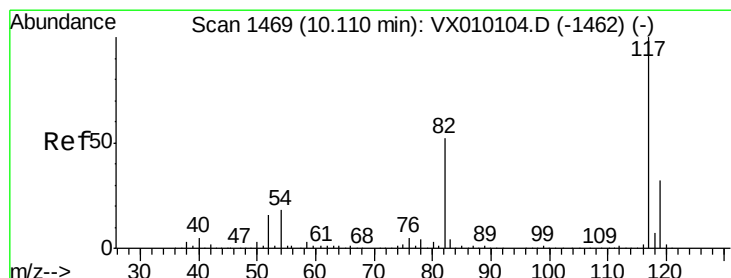
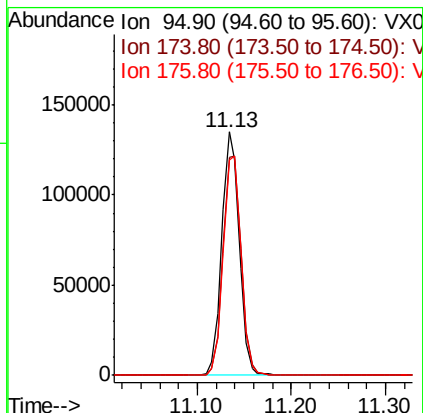
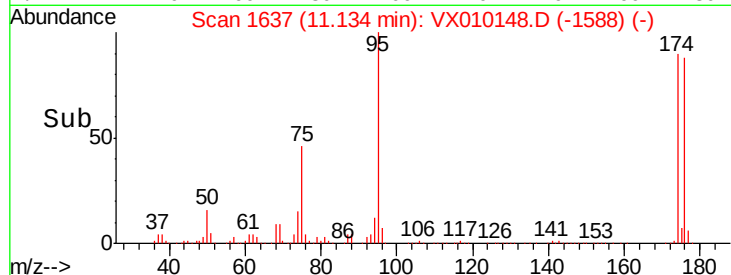


Abundance Ion 94.90 (94.60 to 95.60): VX010148.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010148.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010148.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010148.D

Acq: 08 Jun 2019 19:03

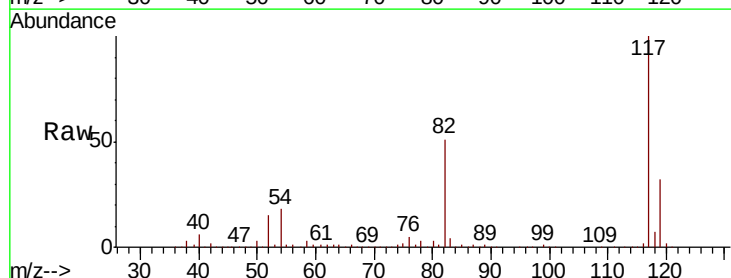
Tgt Ion: 117 Resp: 385614

Ion Ratio Lower Upper

117 100

82 50.9 49.2 73.8

119 32.2 25.2 37.8

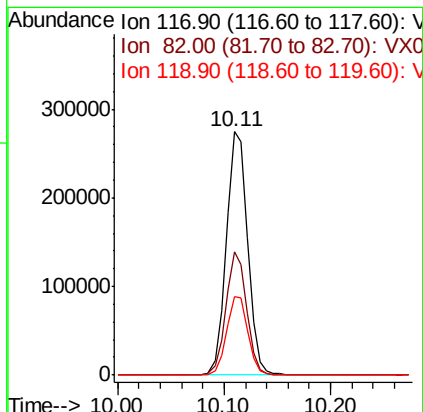
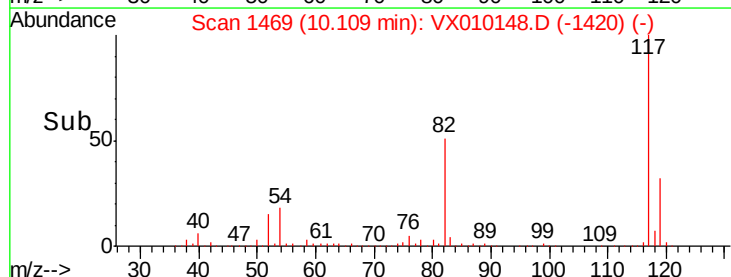


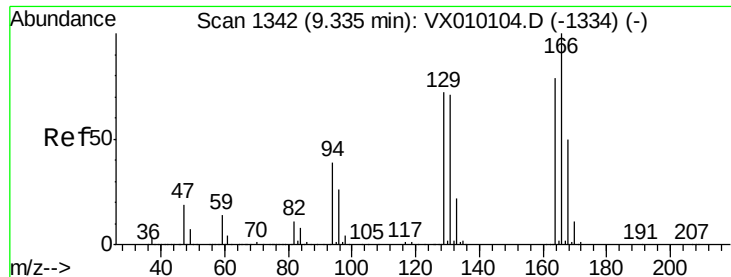
Abundance Ion 116.90 (116.60 to 117.60): VX010148.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010148.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010148.D (-1420) (-)

Time-->

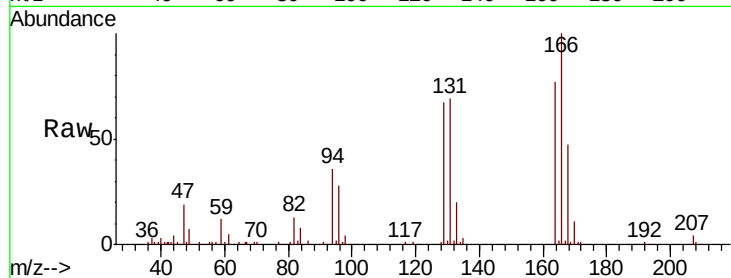




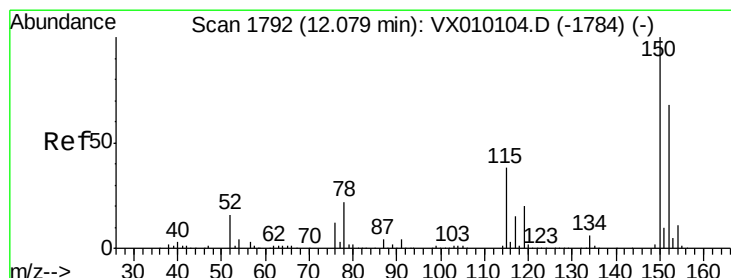
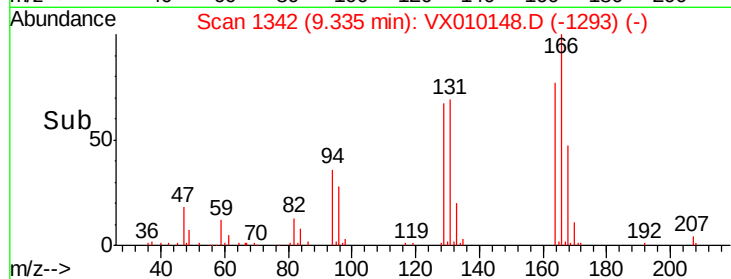
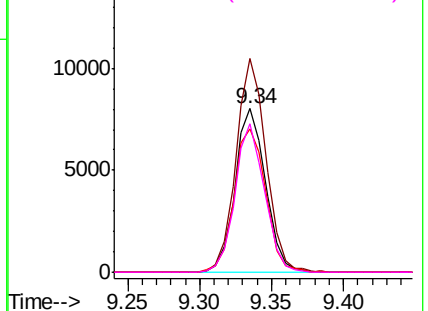
#64
Tetrachloroethene
Concen: 4.127 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010148.D
Acq: 08 Jun 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
BP-DUP05-20190606

Tgt Ion:164 Resp: 11819
Ion Ratio Lower Upper
164 100
166 130.6 105.0 157.4
129 87.5 75.1 112.7
131 90.5 72.2 108.4

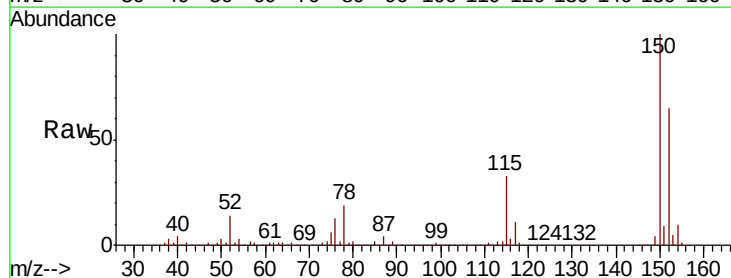


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

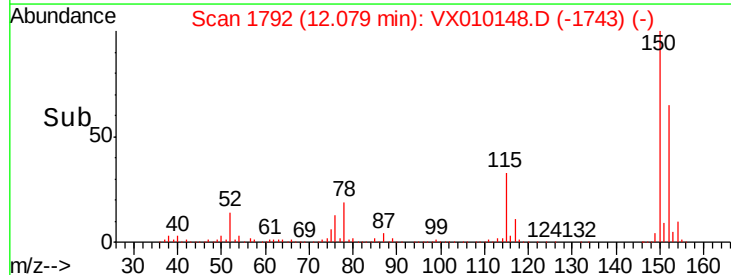
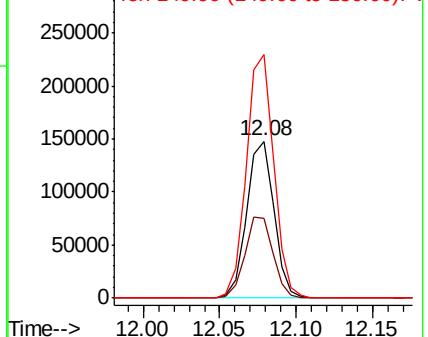


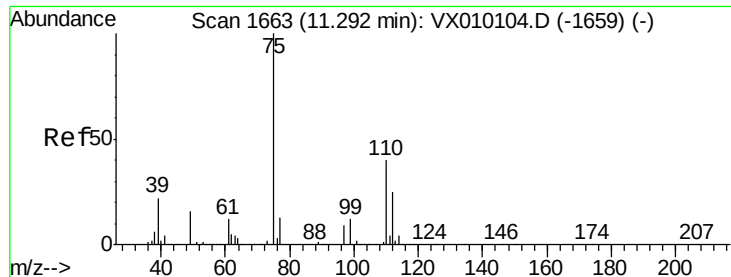
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010148.D
Acq: 08 Jun 2019 19:03

Tgt Ion:152 Resp: 182194
Ion Ratio Lower Upper
152 100
115 53.4 41.4 124.2
150 156.9 0.0 345.2



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

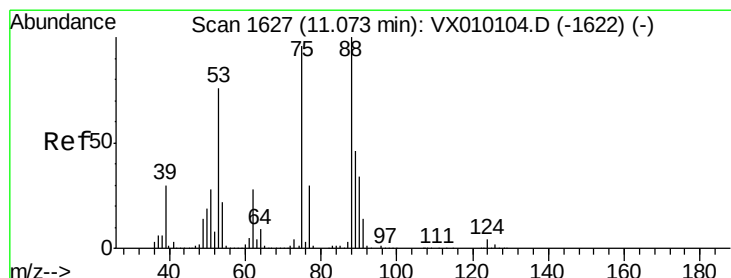
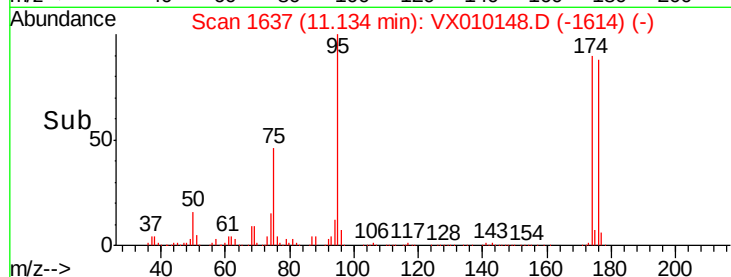
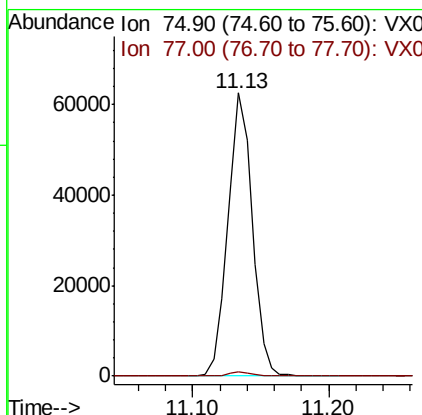
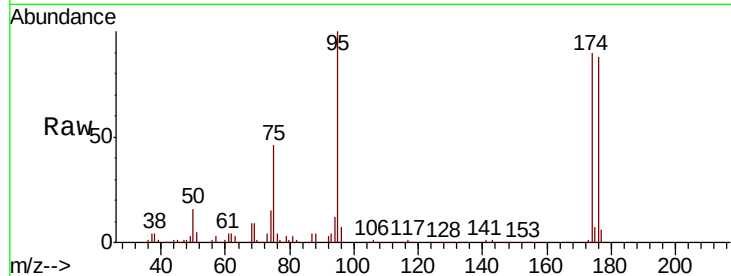




#76
 1,2,3-Trichloropropane
 Concen: 21.411 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010148.D
 Acq: 08 Jun 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP05-20190606

Tgt Ion: 75 Resp: 78026
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.306 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010148.D
 Acq: 08 Jun 2019 19:03

Tgt Ion: 75 Resp: 78026
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.8 119.6#
 89 0.0 34.2 51.4#

