

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013660.D
 Acq On : 27 Nov 2019 18:34
 Operator : JC/SP
 Sample : K6027-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Quant Time: Nov 28 03:33:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	660578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1042978	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	924026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	417210	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	378709	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	5.49	113	314369	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	8.71	98	1237158	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.14	95	414852	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	

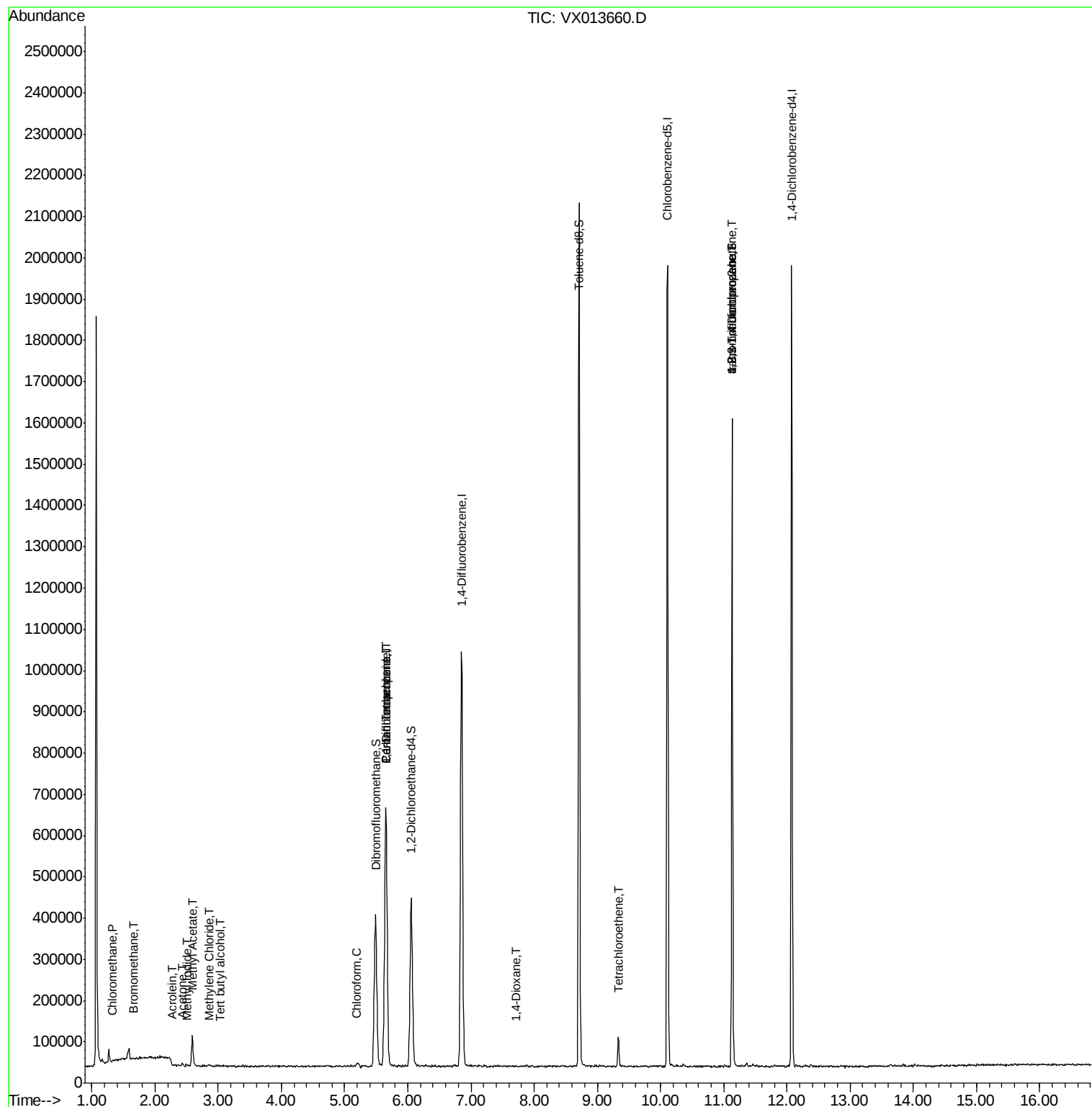
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2013	0.244	ug/l #	63
5) Bromomethane	1.66	94	2053	0.329	ug/l #	26
10) Methyl Iodide	2.51	142	1844	0.242	ug/l #	85
11) Tert butyl alcohol	3.03	59	4121	2.177	ug/l	98
13) Acrolein	2.27	56	319	6.250	ug/l #	80
16) Acetone	2.43	43	7704	2.035	ug/l #	77
18) Methyl Acetate	2.59	43	22758	2.159	ug/l #	56
20) Methylene Chloride	2.85	84	2012	0.277	ug/l #	67
30) Chloroform	5.19	83	10237	0.841	ug/l	95
36) 1,1-Dichloropropene	5.65	75	44489	4.699	ug/l #	52
38) Carbon Tetrachloride	5.65	117	56640	6.488	ug/l #	16
49) 1,4-Dioxane	7.73	88	511	2.687	ug/l #	38
64) Tetrachloroethene	9.33	164	13241	1.922	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	199054	21.213	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	199054	58.034	ug/l #	11

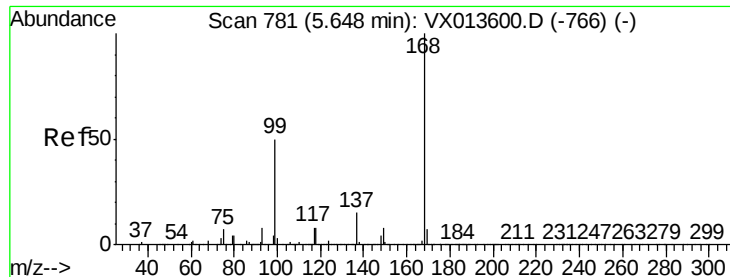
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112719\
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Quant Time: Nov 28 03:33:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

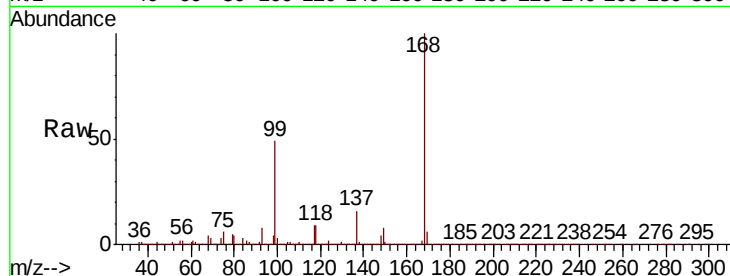
MW-8

Tot Ion:168 Resp: 660578

Ion Ratio Lower Upper

168 100

99 48.8 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

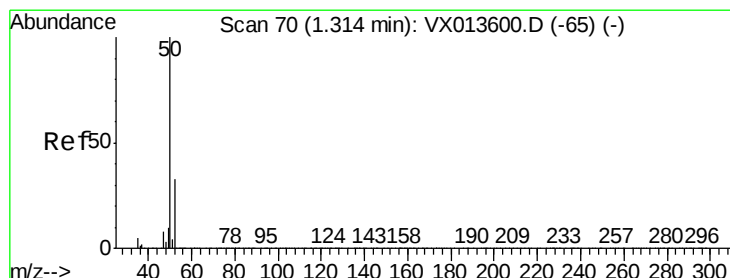
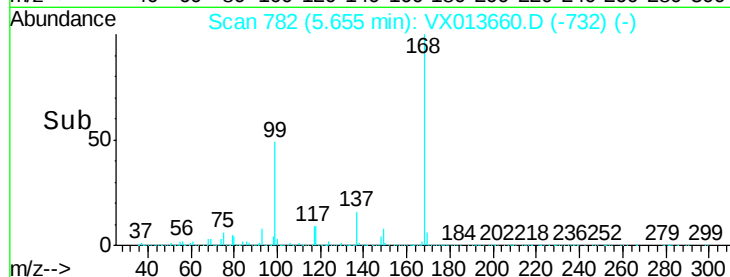
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013660.D

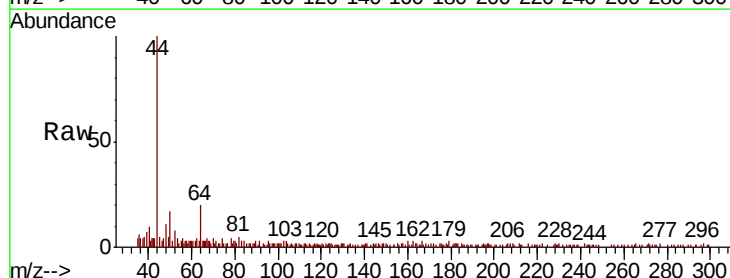
Acq: 27 Nov 2019 18:34

Tgt Ion: 50 Resp: 2013

Ion Ratio Lower Upper

50 100

52 12.0 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

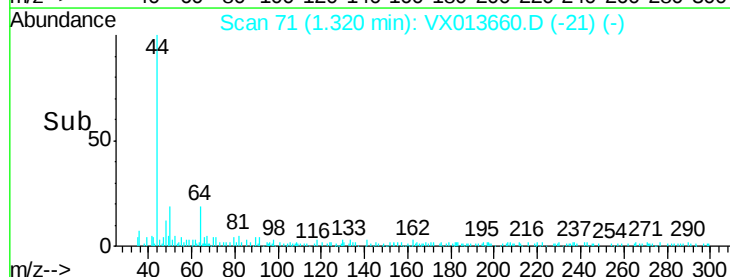
1500

1000

500

0

Time-->





#5

Bromomethane

Concen: 0.329 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

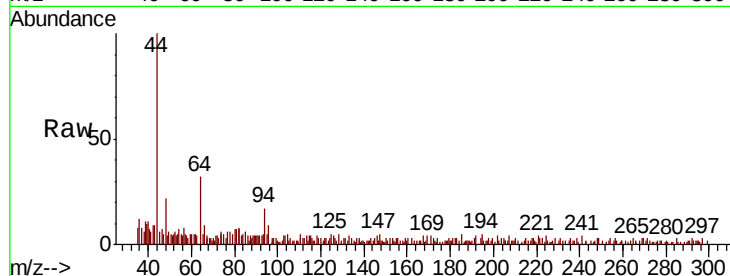
MW-8

Tot Ion: 94 Resp: 2053

Ion Ratio Lower Upper

94 100

96 23.9 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

600

400

200

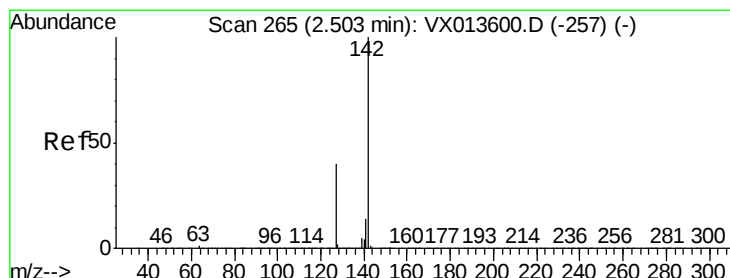
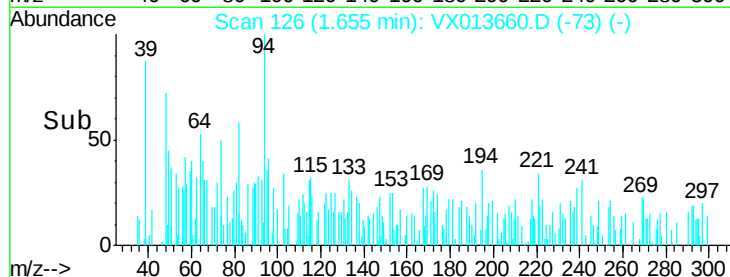
0

1.60

1.65

1.70

Time-->



#10

Methyl Iodide

Concen: 0.242 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

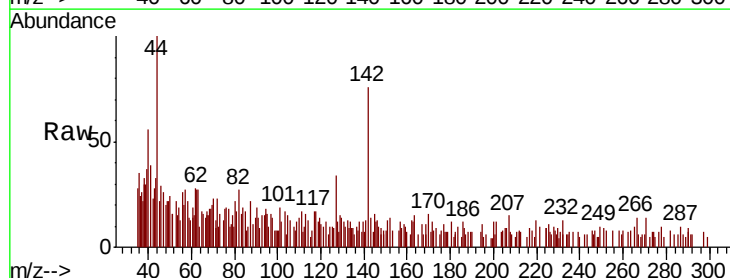
Tgt Ion: 142 Resp: 1844

Ion Ratio Lower Upper

142 100

127 50.8 31.0 46.4#

141 13.5 11.6 17.4



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

1200

1000

800

600

400

200

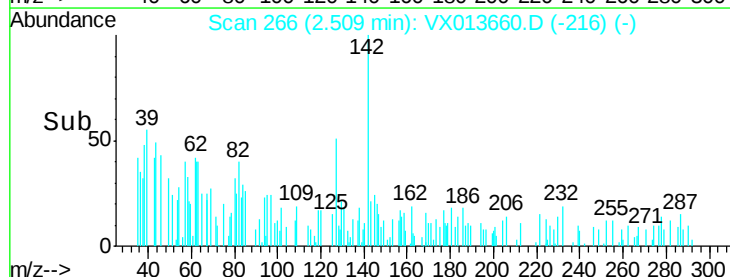
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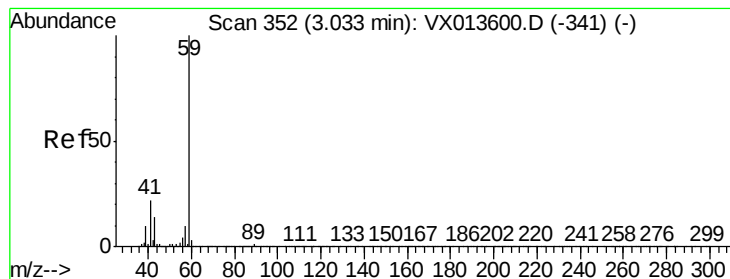
2.45

2.50

2.55

Time-->



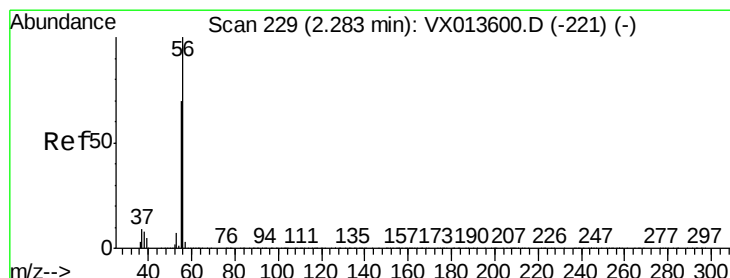
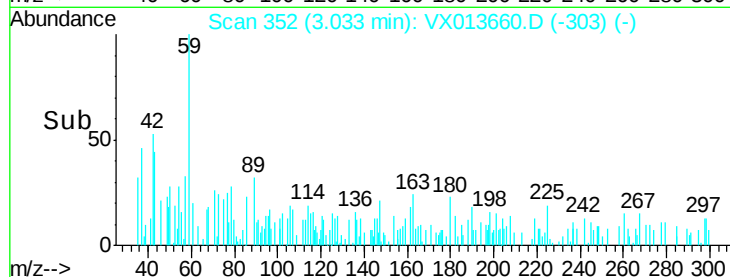
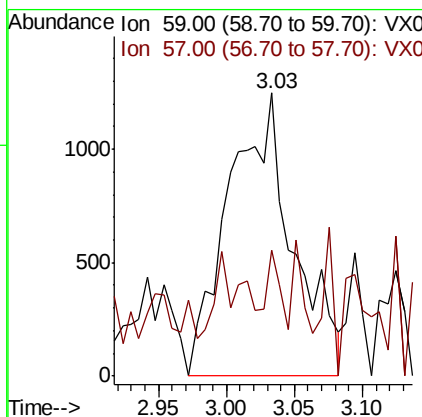
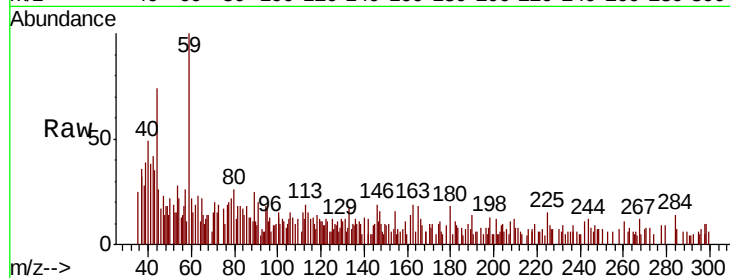


#11

Tert butyl alcohol
Concen: 2.177 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Instrument :
MSVOA_X
ClientSampled :
MW-8

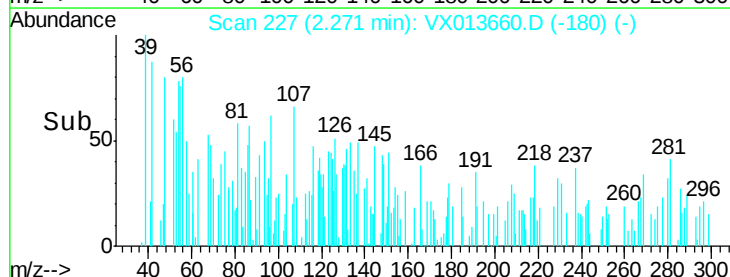
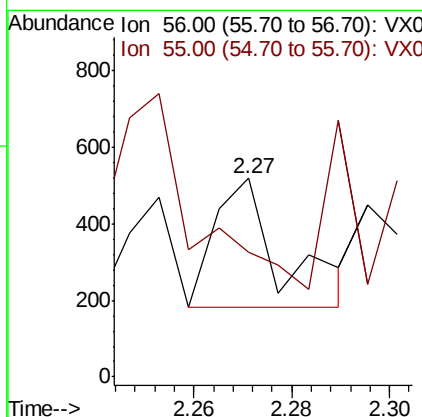
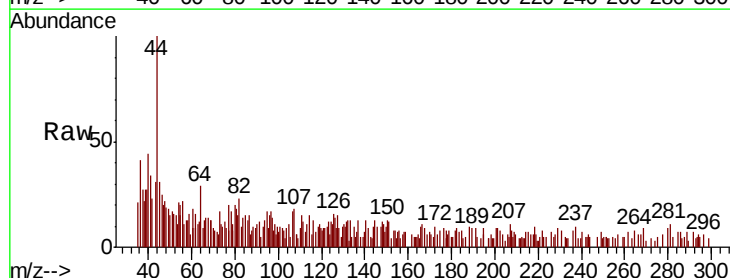
Tot Ion: 59 Resp: 4121
Ion Ratio Lower Upper
59 100
57 9.1 7.8 11.6

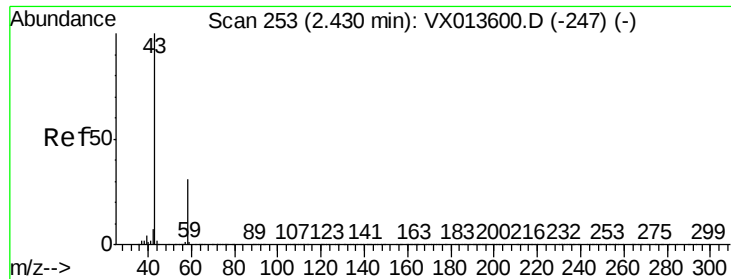


#13

Acrolein
Concen: 6.250 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Tgt Ion: 56 Resp: 319
Ion Ratio Lower Upper
56 100
55 86.8 56.2 84.4#

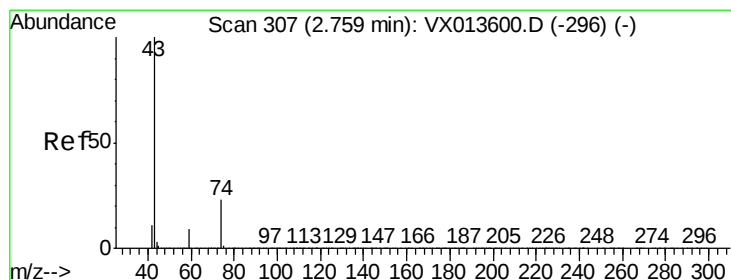
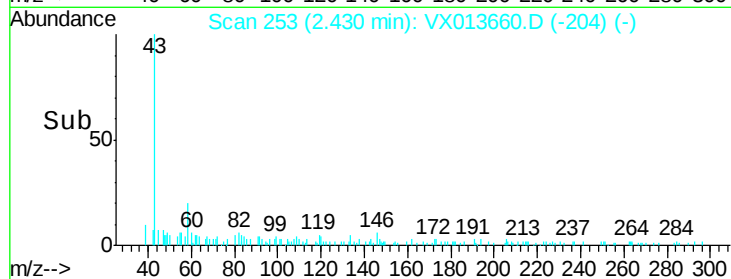
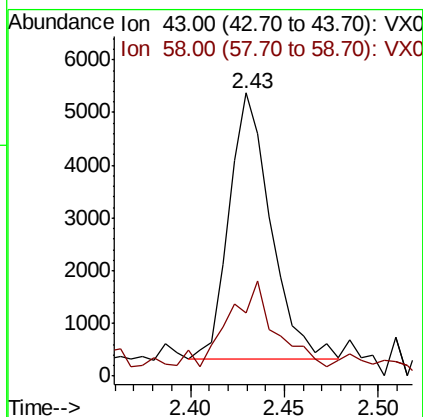
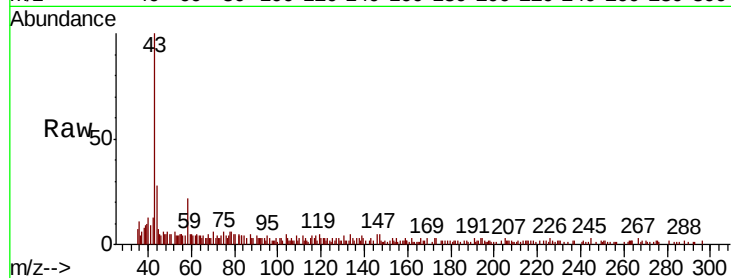




#16
Acetone
Concen: 2.035 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

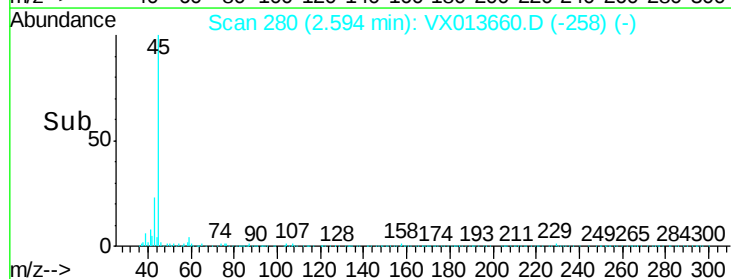
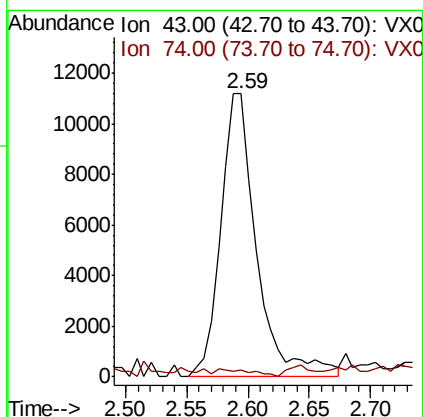
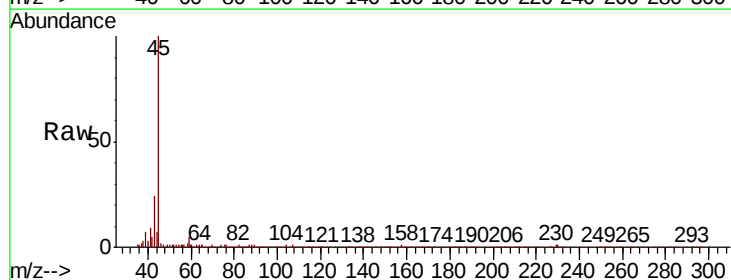
Instrument :
MSVOA_X
ClientSampleId :
MW-8

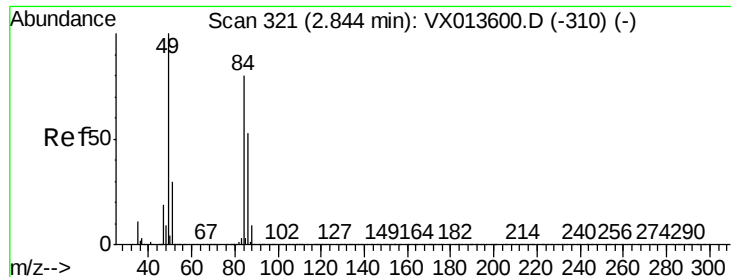
Tot Ion: 43 Resp: 7704
Ion Ratio Lower Upper
43 100
58 18.0 24.6 36.8#



#18
Methyl Acetate
Concen: 2.159 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.16 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Tgt Ion: 43 Resp: 22758
Ion Ratio Lower Upper
43 100
74 2.8 19.5 29.3#

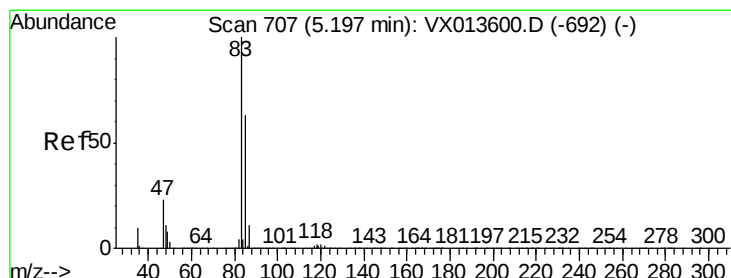
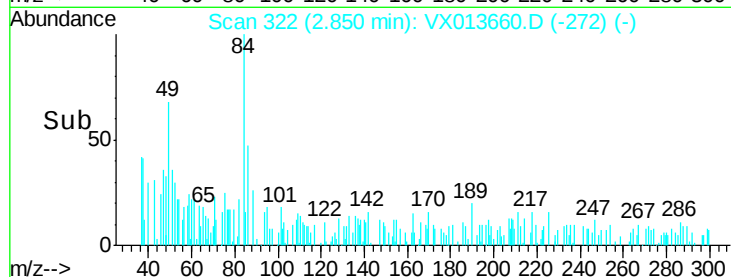
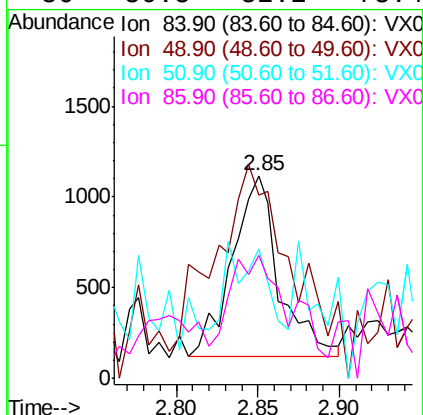
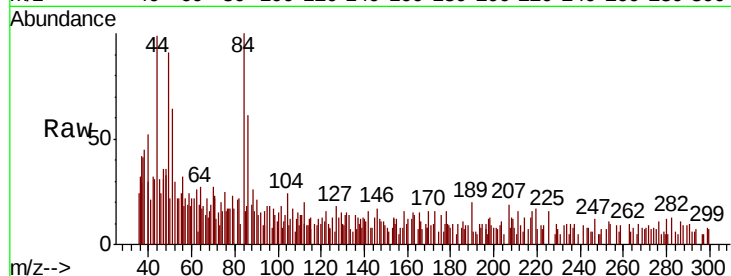




#20
Methvlene Chloride
Concen: 0.277 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

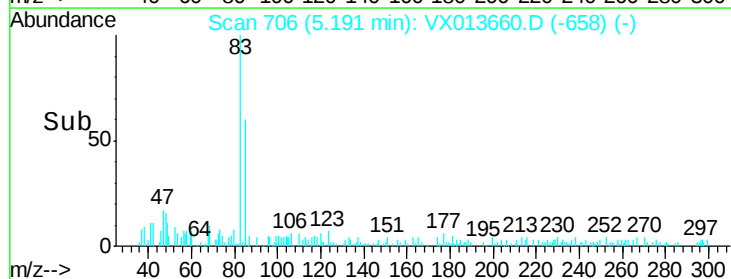
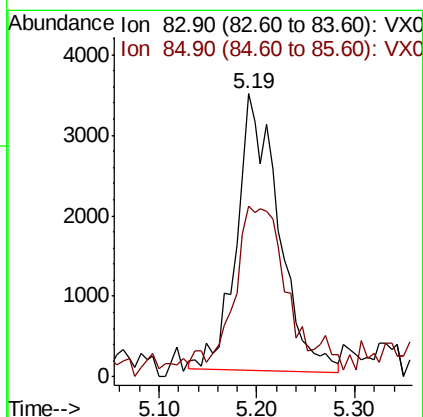
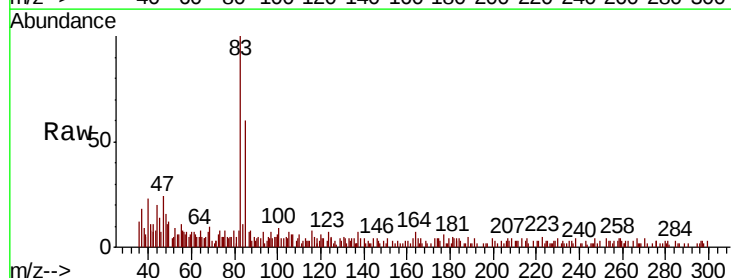
Instrument :
MSVOA_X
ClientSampleId :
MW-8

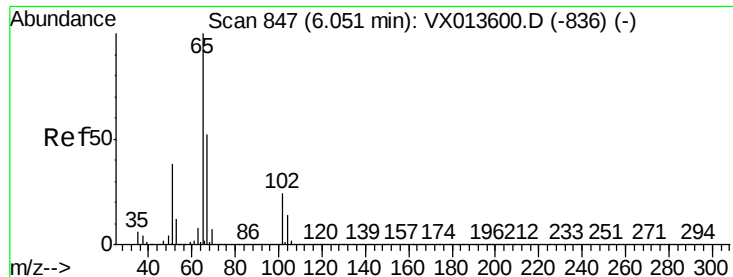
Tot Ion:	84	Resp:	2012
Ion	Ratio	Lower	Upper
84	100		
49	70.4	99.7	149.5#
51	31.7	29.9	44.9
86	50.5	52.2	78.4#



#30
Chloroform
Concen: 0.841 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Tgt Ion:	83	Resp:	10237
Ion	Ratio	Lower	Upper
83	100		
85	58.7	50.2	75.4





#33

1,2-Dichloroethane-d4

Concen: 49.389 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

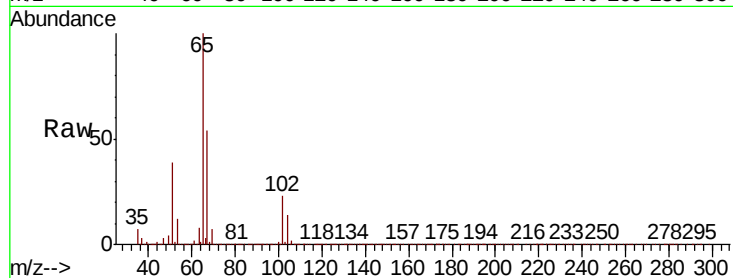
MW-8

Tot Ion: 65 Resp: 378709

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

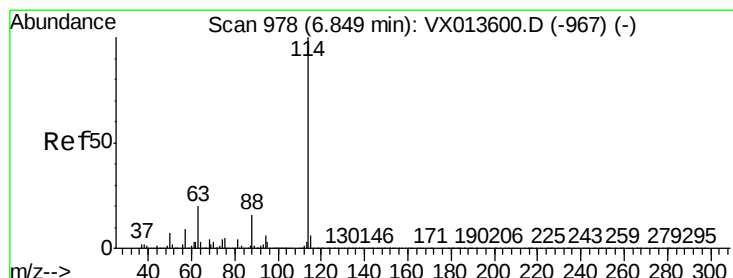
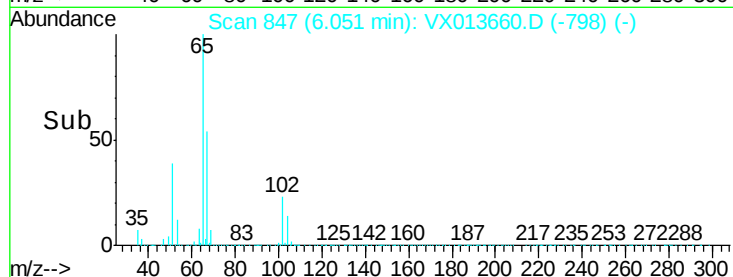
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

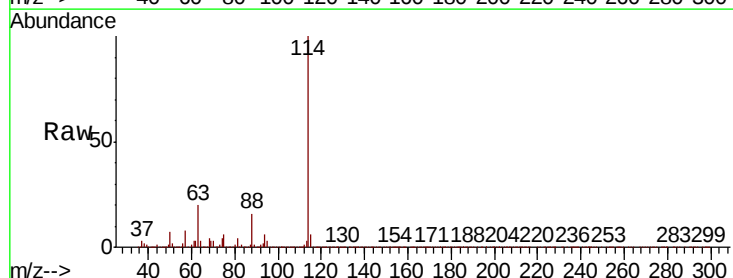
Tgt Ion: 114 Resp: 1042978

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.7 0.0 31.4



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

6.85

600000

500000

400000

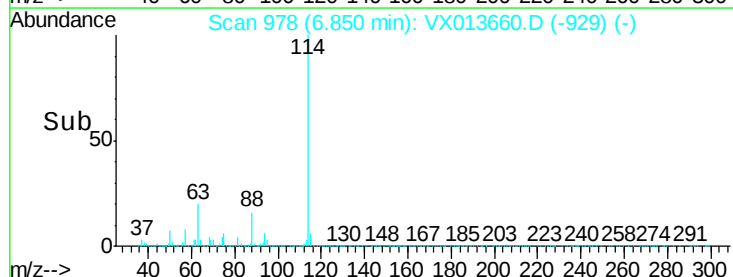
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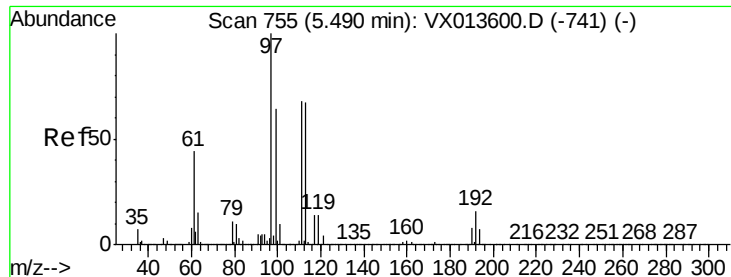
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.756 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

MW-8

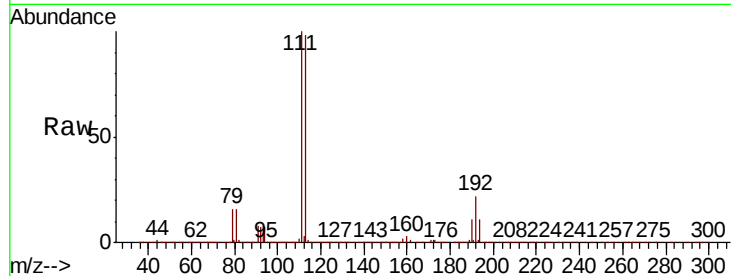
Tot Ion:113 Resp: 314369

Ion Ratio Lower Upper

113 100

111 102.0 83.6 125.4

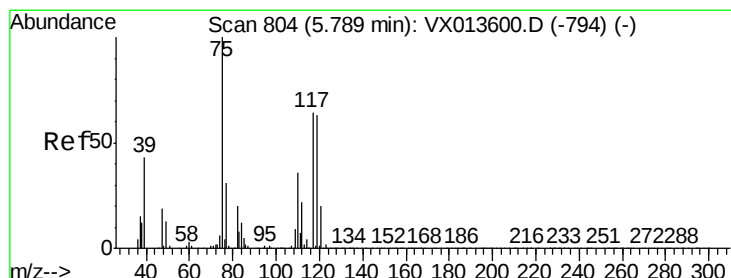
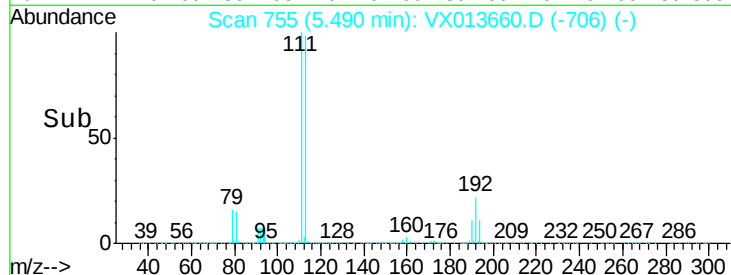
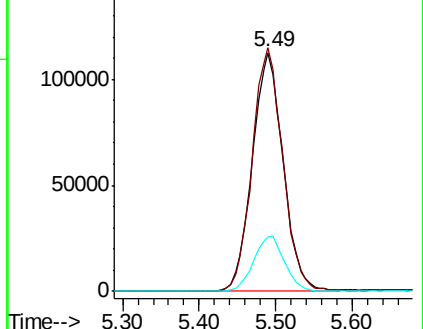
192 23.3 19.2 28.8



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: 4.699 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

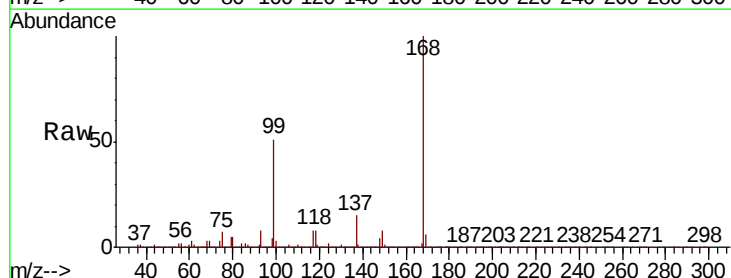
Tgt Ion: 75 Resp: 44489

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.1#

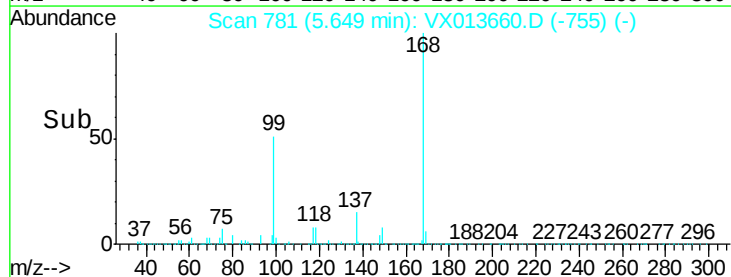
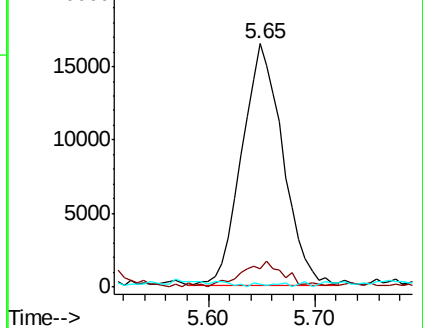
77 0.5 24.5 36.7#

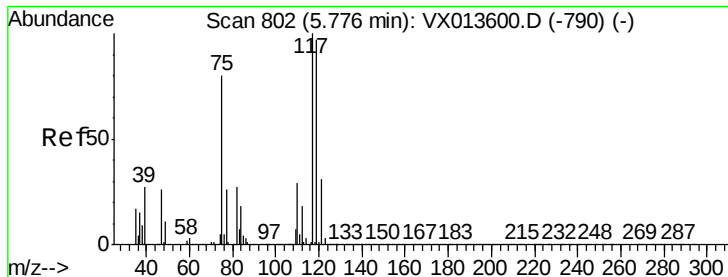


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

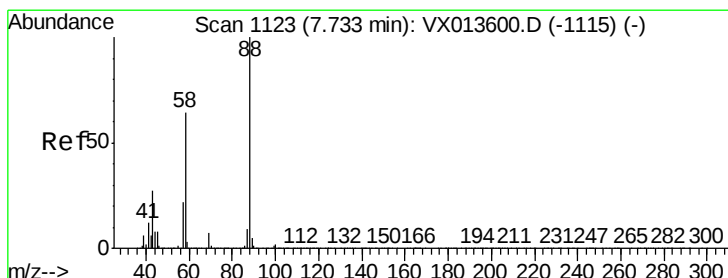
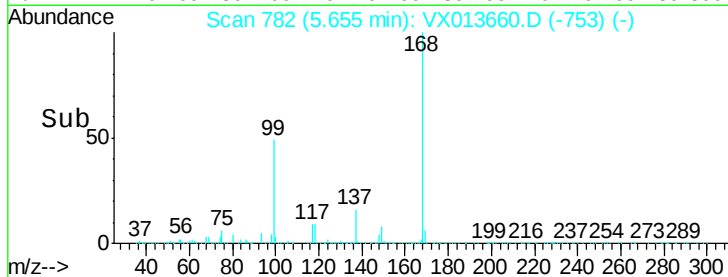
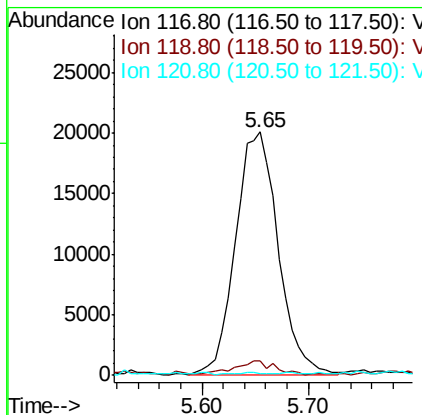
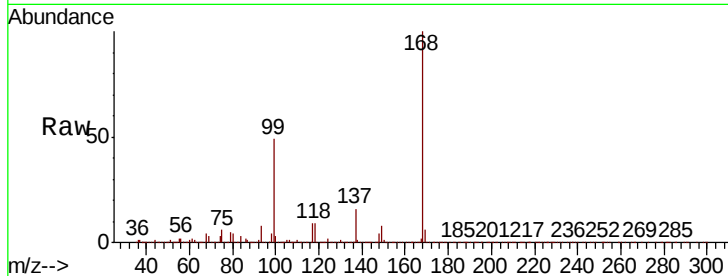




#38
Carbon Tetrachloride
Concen: 6.488 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

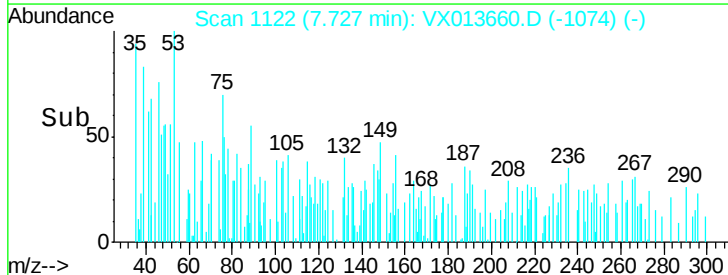
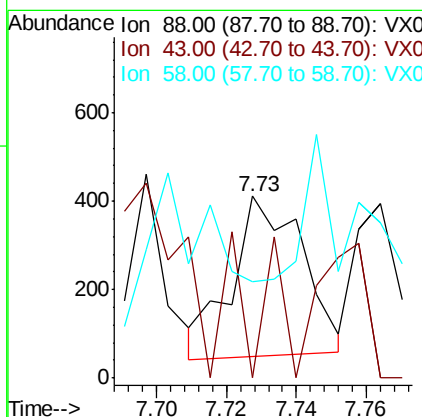
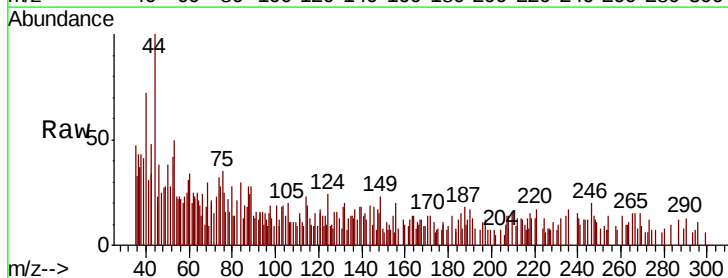
Instrument :
MSVOA_X
ClientSampled :
MW-8

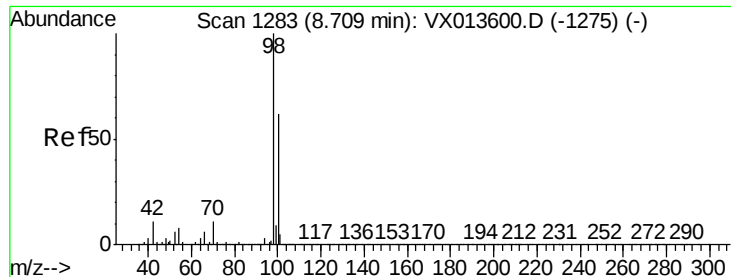
Tot Ion:117 Resp: 56640
Ion Ratio Lower Upper
117 100
119 5.3 77.5 116.3#
121 0.2 25.0 37.6#



#49
1,4-Dioxane
Concen: 2.687 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Tgt Ion: 88 Resp: 511
Ion Ratio Lower Upper
88 100
43 23.7 25.8 38.6#
58 0.0 54.6 82.0#

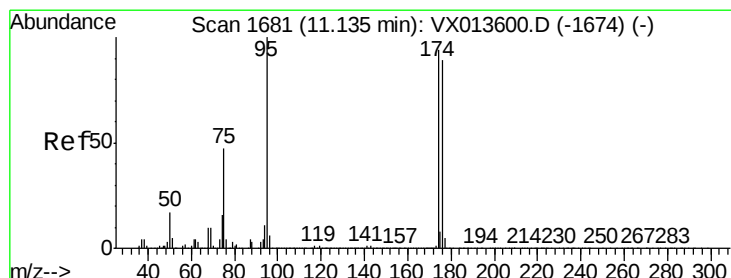
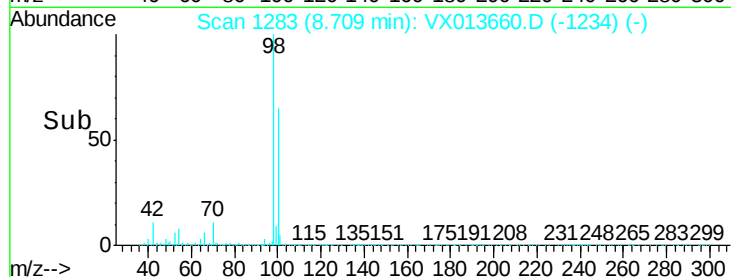
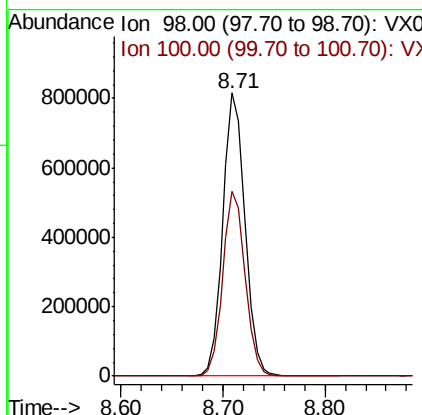
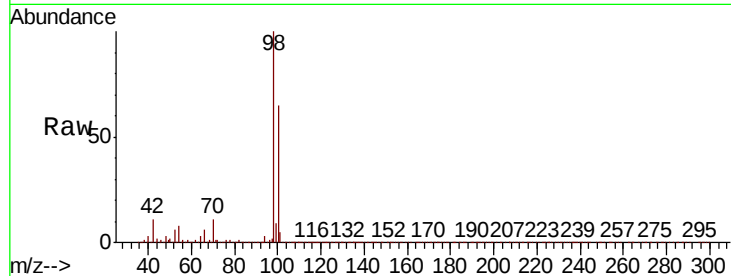




#50
Toluene-d8
Concen: 49.247 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

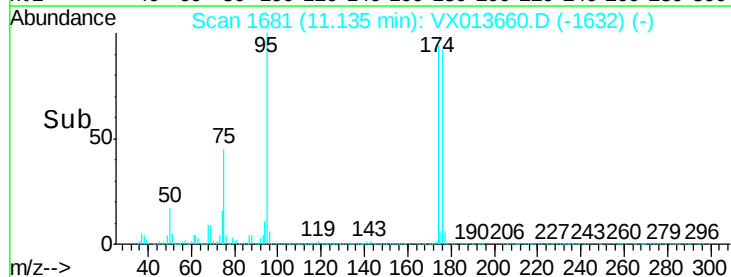
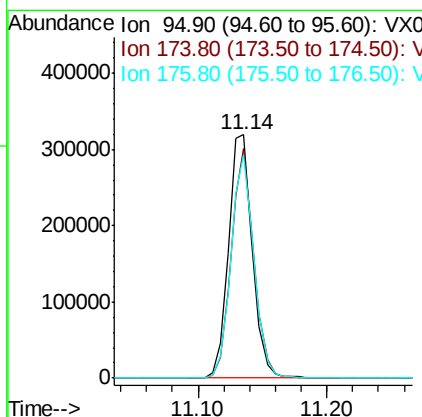
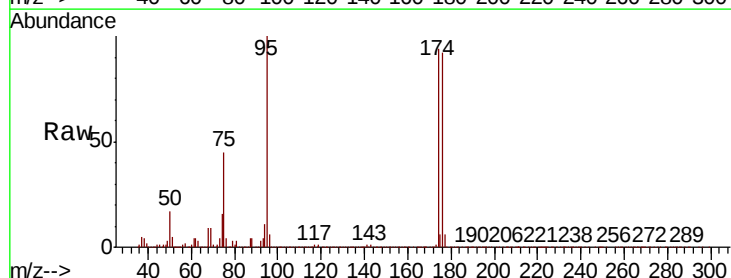
Instrument :
MSVOA_X
ClientSampleId :
MW-8

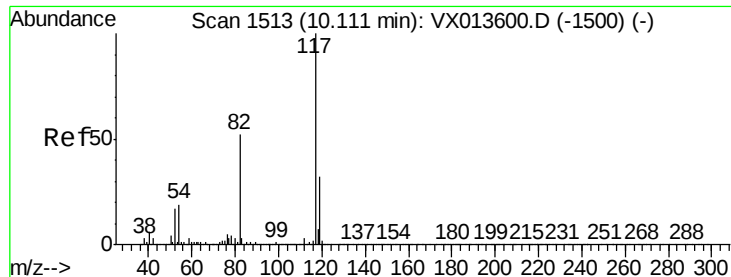
Tot Ion: 98 Resp: 1237158
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 45.795 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Tgt Ion: 95 Resp: 414852
Ion Ratio Lower Upper
95 100
174 88.5 0.0 180.0
176 87.9 0.0 173.6

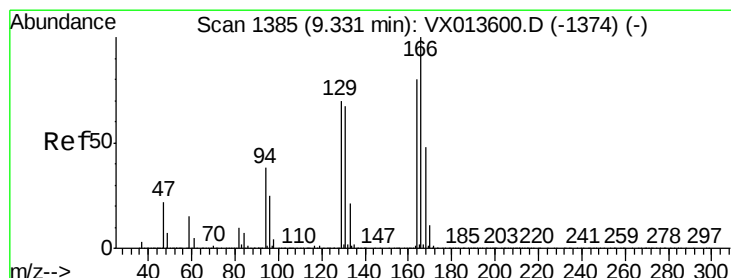
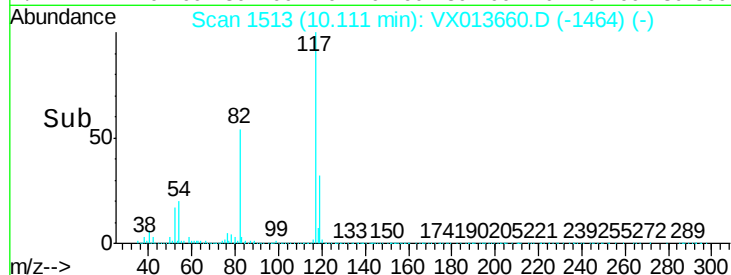
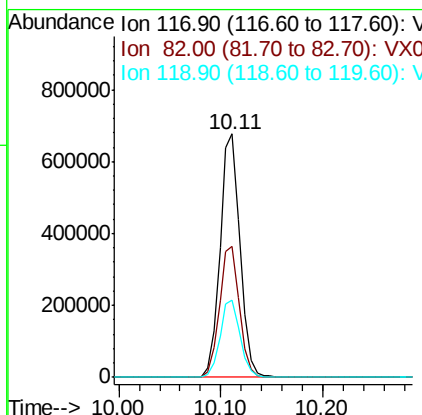
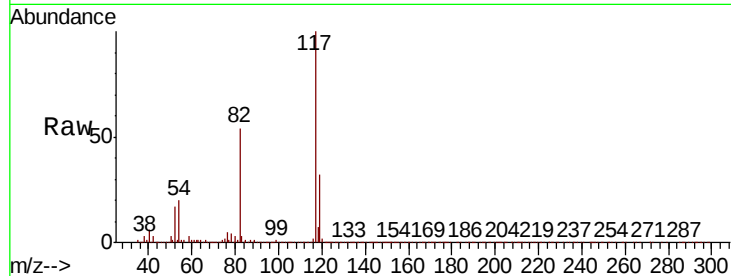




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

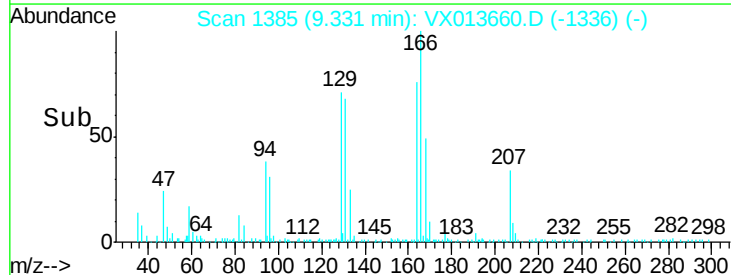
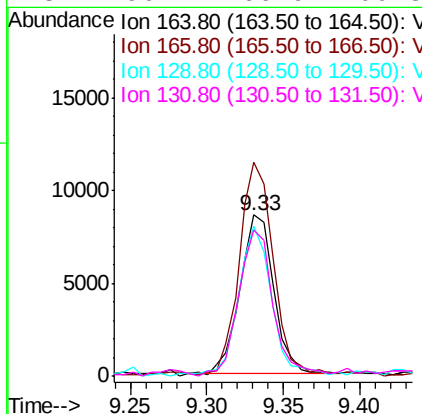
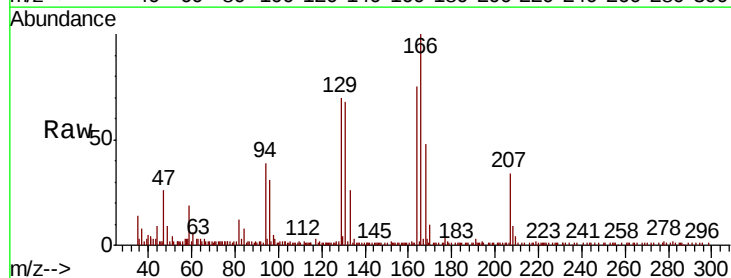
Instrument :
MSVOA_X
ClientSampled :
MW-8

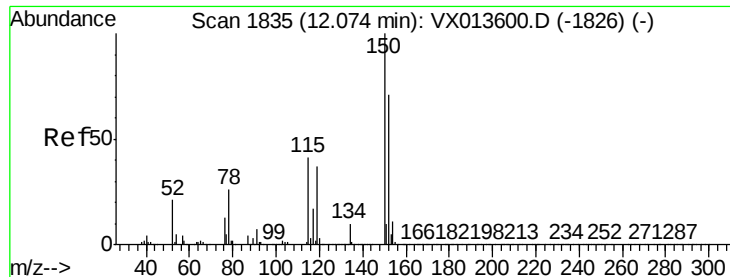
Tot Ion:117 Resp: 924026
Ion Ratio Lower Upper
117 100
82 54.0 41.8 62.8
119 31.6 25.8 38.8



#64
Tetrachloroethene
Concen: 1.922 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Tgt Ion:164 Resp: 13241
Ion Ratio Lower Upper
164 100
166 132.6 99.7 149.5
129 92.4 70.1 105.1
131 90.1 66.9 100.3



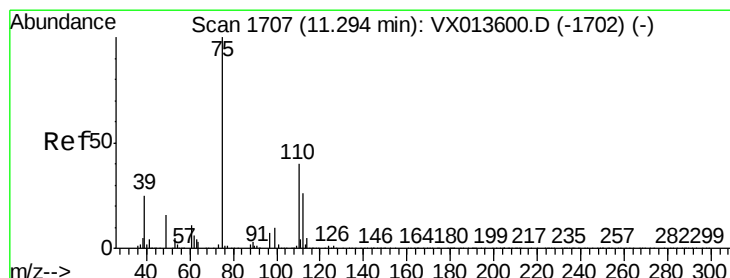
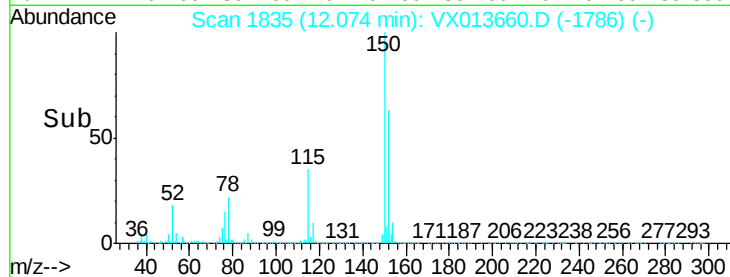
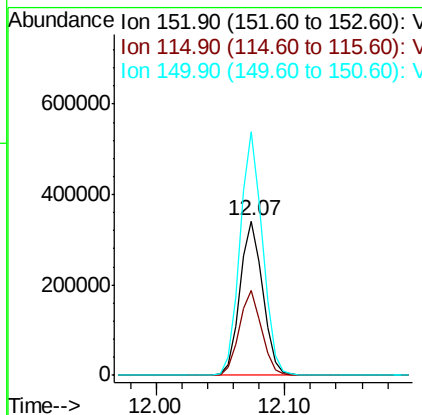
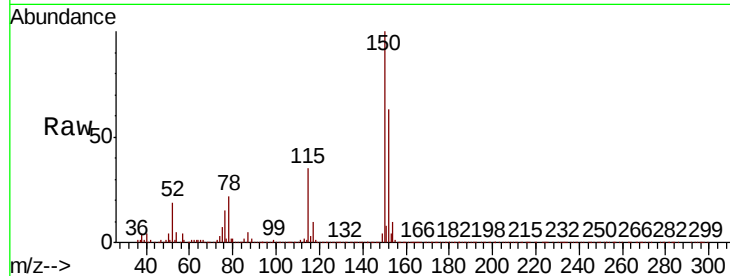


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Instrument :
MSVOA_X
ClientSampled :
MW-8

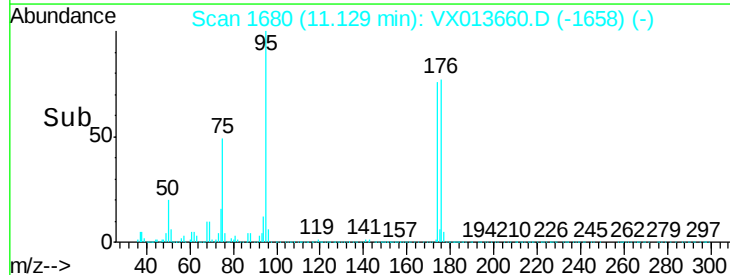
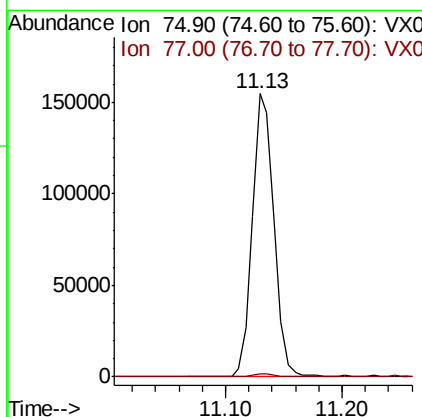
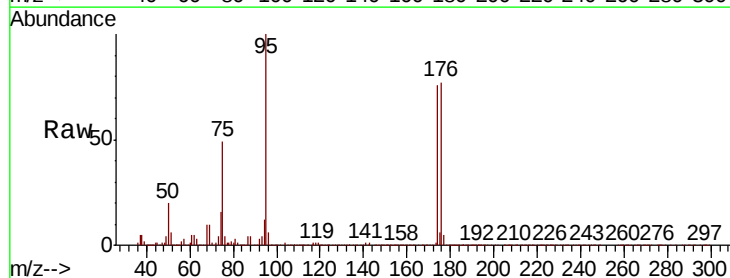
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.2	38.4	115.1
150	156.3	0.0	346.8

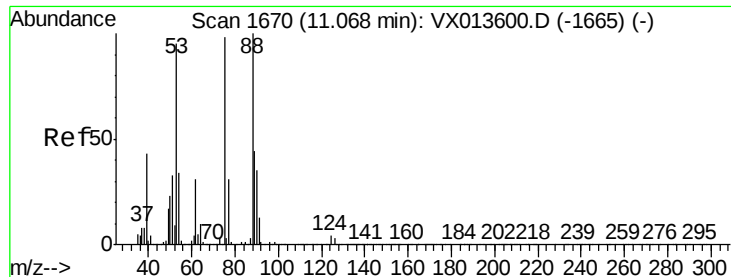


#76

1,2,3-Trichloropropane
Concen: 21.213 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	19.1	57.5





#81

trans-1,4-Dichloro-2-butene

Concen: 58.034 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

MW-8

Tot Ion: 75 Resp: 199054

Ion Ratio Lower Upper

75 100

53 0.4 78.2 117.2#

89 0.2 35.4 53.2#

