

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
 Data File : VH057112.D
 Acq On : 22 Sep 2015 19:17
 Operator : SY/FY
 Sample : G3712-11ME
 Misc : 4.99g/10mL//100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS5-3ME

Quant Time: Sep 23 04:39:20 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:34:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.83	168	572801	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.55	114	1034758	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.71	117	797777	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.48	152	238673	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		4.80	65	736206	71.97	ug/l	-0.02
Spiked Amount	50.000	Range	66 - 150	Recovery	=	143.94%	
35) Dibromofluoromethane		4.07	113	666736	80.93	ug/l	-0.01
Spiked Amount	50.000	Range	76 - 130	Recovery	=	161.86%#	
48) Toluene-d8		7.50	98	1877744	79.26	ug/l	-0.02
Spiked Amount	50.000	Range	78 - 121	Recovery	=	158.52%#	
62) 4-Bromofluorobenzene		11.35	95	637634	79.81	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	159.62%#	

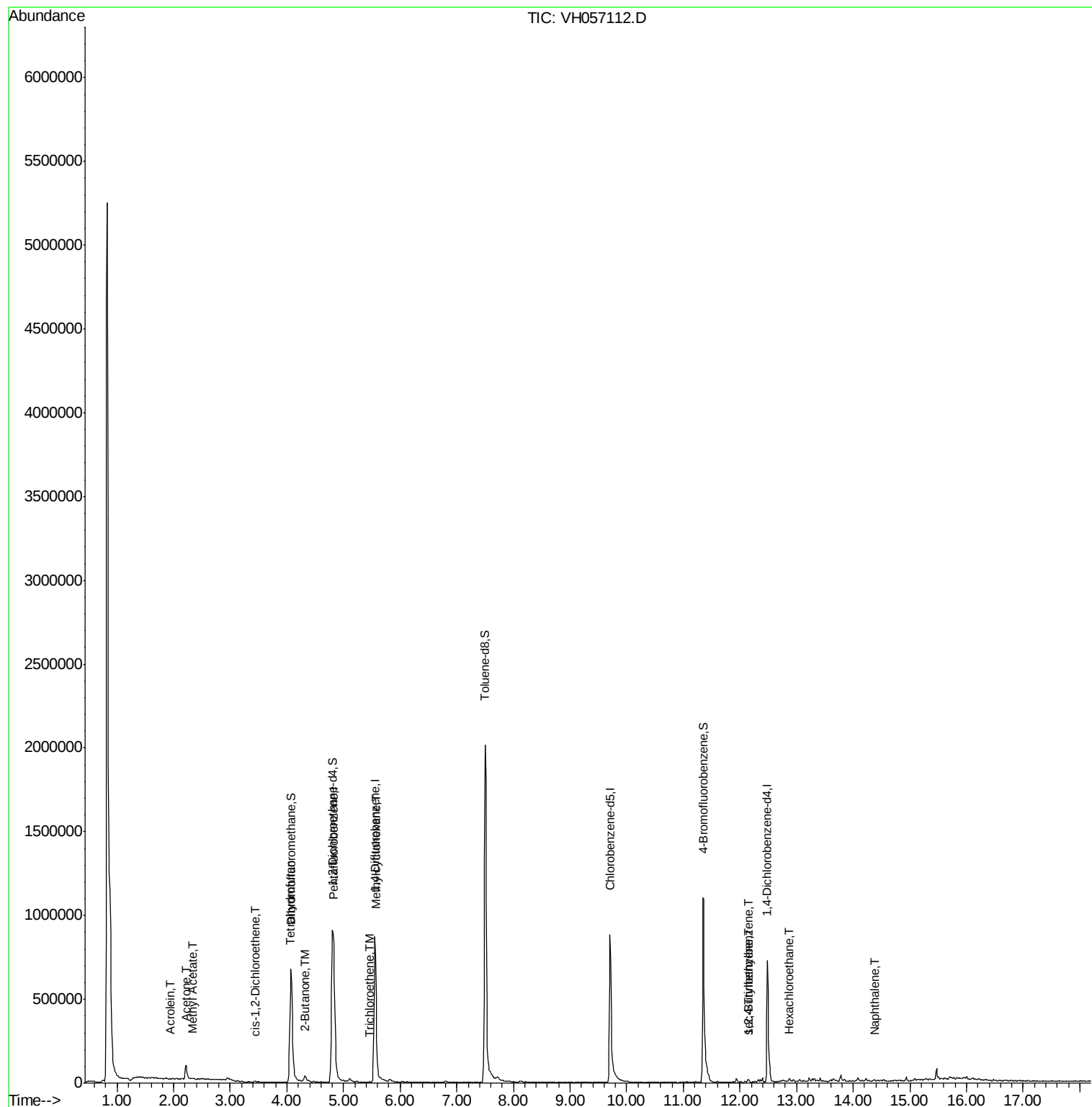
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.26	94	2992	Below Cal	#	1
6) Chloroethane	1.32	64	777	Below Cal	#	1
13) Acrolein	1.94	56	1266	1.15	ug/l	86
17) Acetone	2.22	43	127394	2.49	ug/l	94
19) Methyl Acetate	2.33	43	8231	0.31	ug/l #	86
25) 2-Butanone	4.32	43	69174	7.28	ug/l	98
27) cis-1,2-Dichloroethene	3.44	96	3619	0.45	ug/l #	80
31) Tetrahydrofuran	4.06	42	3897	0.73	ug/l #	80
43) Trichloroethene	5.46	130	1514	0.22	ug/l #	51
44) Methylcyclohexane	5.57	83	6923	1.06	ug/l	21
84) 1,2,4-Trimethylbenzene	12.15	105	6234	0.42	ug/l	89
85) sec-Butylbenzene	12.15	105	6234	0.43	ug/l #	59
90) Hexachloroethane	12.86	117	909	0.39	ug/l #	29
95) Naphthalene	14.38	128	2970	5.29	ug/l #	70

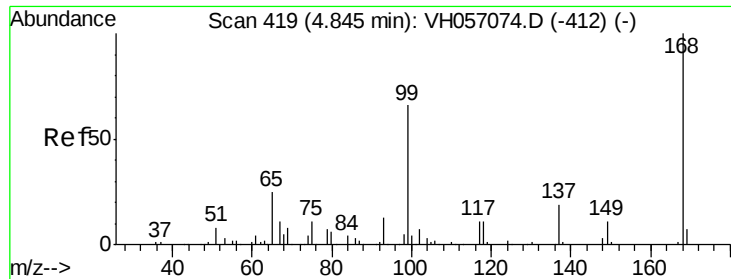
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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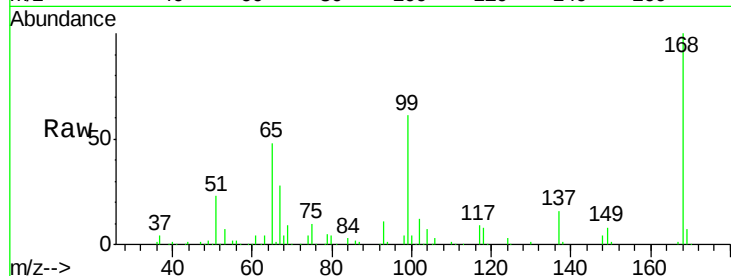




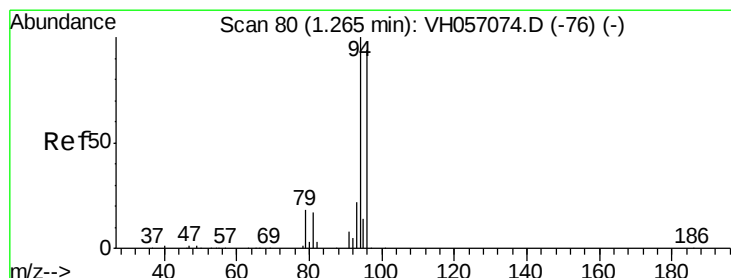
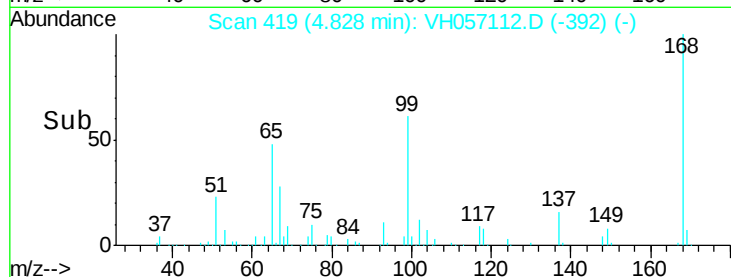
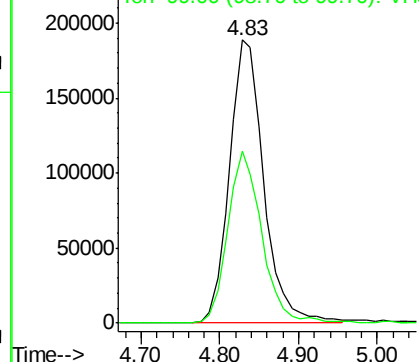
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 4.83 min Scan# 419
Delta R.T. -0.02 min
Lab File: VH057112.D
Acq: 22 Sep 2015 19:17

Instrument :
MSVOA_H
ClientSampleId :
ERD45-CS5-3ME

Tgt Ion: 168 Resp: 572801
Ion Ratio Lower Upper
168 100
99 60.6 55.8 83.6

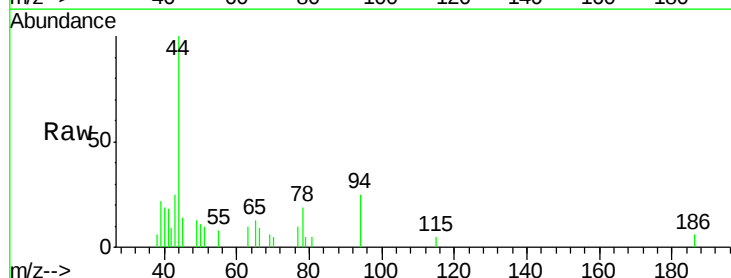


Abundance Ion 168.00 (167.70 to 168.70): V
Ion 99.00 (98.70 to 99.70): VH0

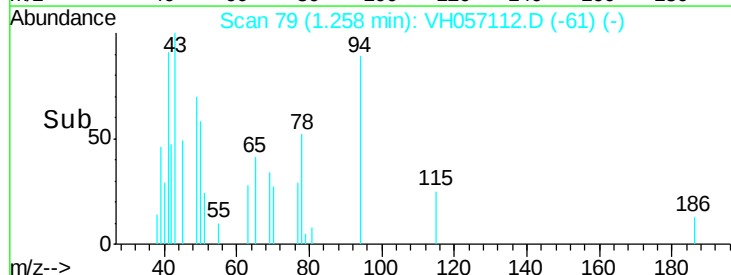
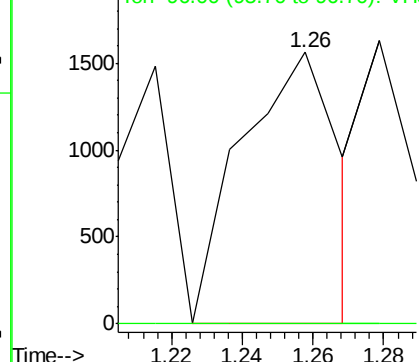


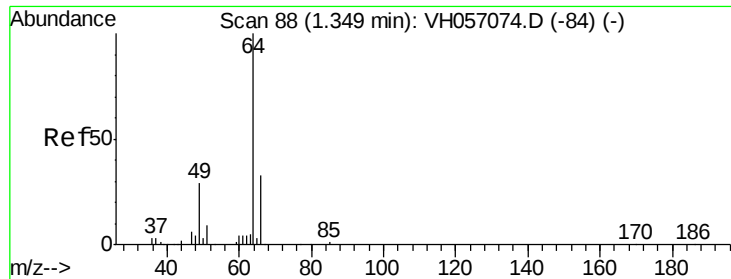
#5
Bromomethane
Concen: Below Cal
RT: 1.26 min Scan# 79
Delta R.T. -0.01 min
Lab File: VH057112.D
Acq: 22 Sep 2015 19:17

Tgt Ion: 94 Resp: 2992
Ion Ratio Lower Upper
94 100
96 0.0 78.5 117.7#



Abundance Ion 94.00 (93.70 to 94.70): VH0
Ion 96.00 (95.70 to 96.70): VH0





#6

Chloroethane

Concen: Below Cal

RT: 1.32 min Scan# 85

Delta R.T. -0.03 min

Lab File: VH057112.D

Acq: 22 Sep 2015 19:17

Instrument :

MSVOA_H

ClientSampleId :

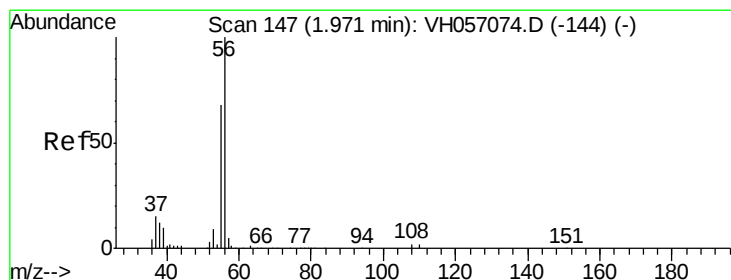
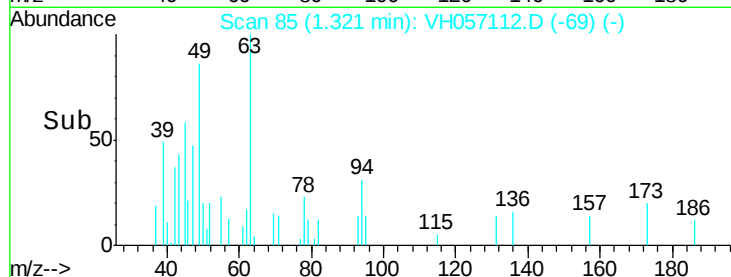
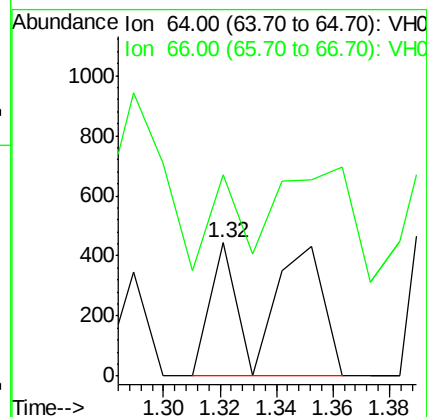
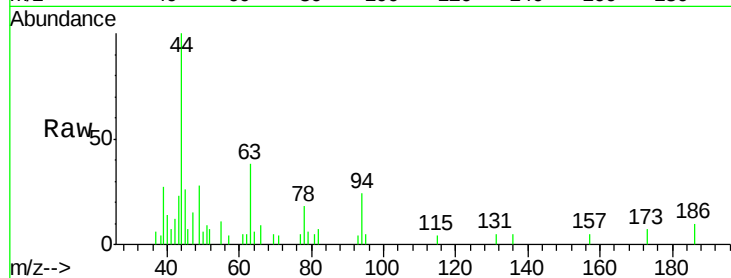
ERD45-CS5-3ME

Tgt Ion: 64 Resp: 777

Ion Ratio Lower Upper

64 100

66 150.9 25.2 37.8#



#13

Acrolein

Concen: 1.15 ug/l

RT: 1.94 min Scan# 144

Delta R.T. -0.03 min

Lab File: VH057112.D

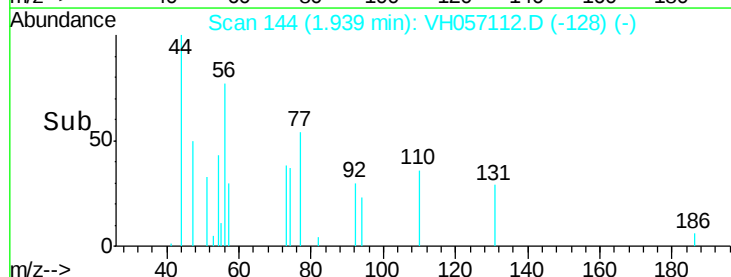
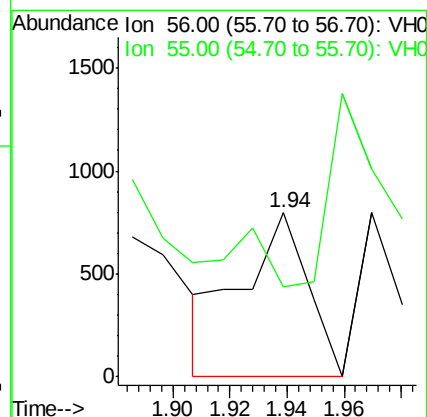
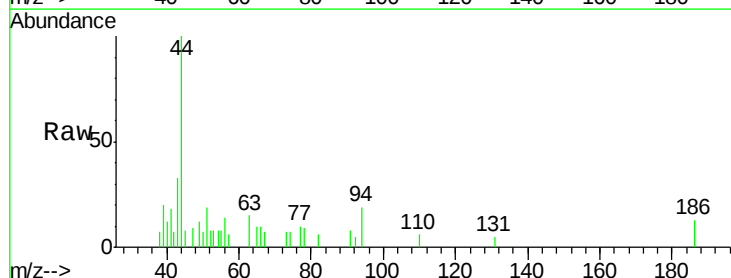
Acq: 22 Sep 2015 19:17

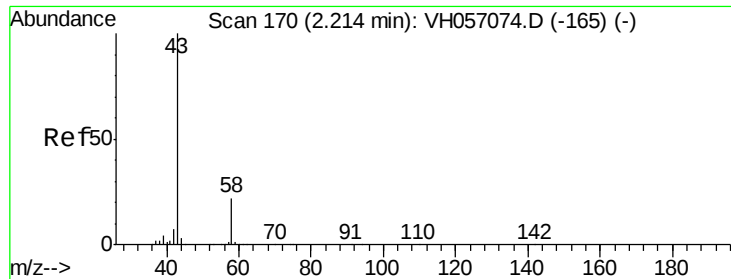
Tgt Ion: 56 Resp: 1266

Ion Ratio Lower Upper

56 100

55 55.1 52.9 79.3





#17

Acetone

Concen: 2.49 ug/l

RT: 2.22 min Scan# 171

Delta R.T. 0.01 min

Lab File: VH057112.D

Acq: 22 Sep 2015 19:17

Instrument :

MSVOA_H

ClientSampleId :

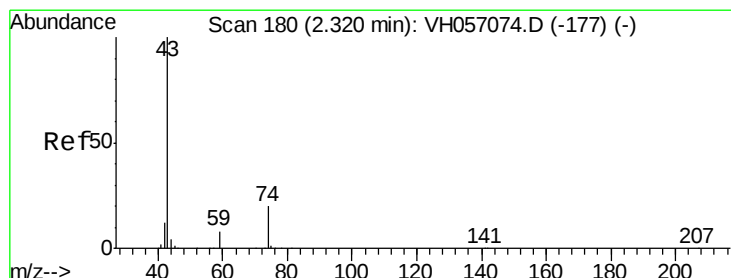
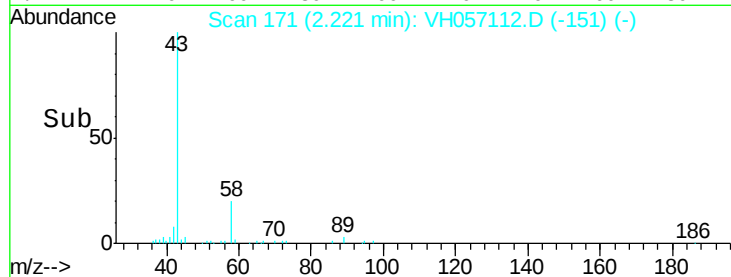
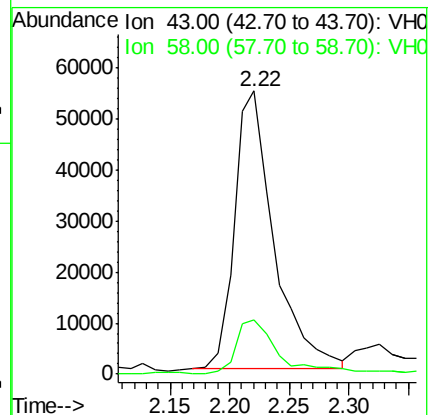
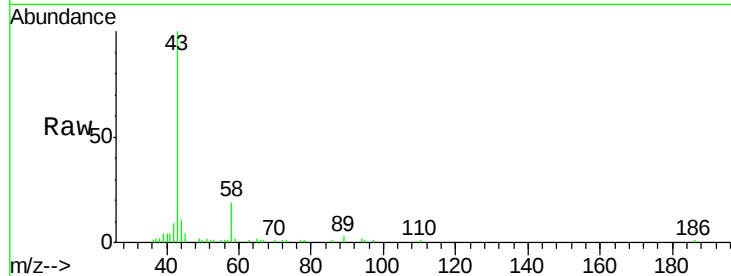
ERD45-CS5-3ME

Tgt Ion: 43 Resp: 127394

Ion Ratio Lower Upper

43 100

58 19.1 17.7 26.5



#19

Methyl Acetate

Concen: 0.31 ug/l

RT: 2.33 min Scan# 181

Delta R.T. 0.01 min

Lab File: VH057112.D

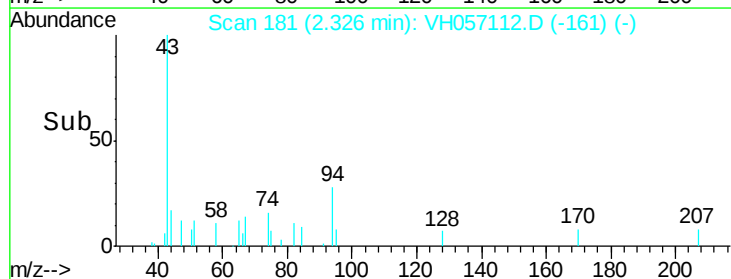
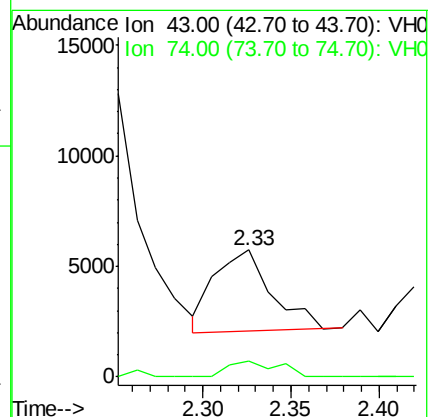
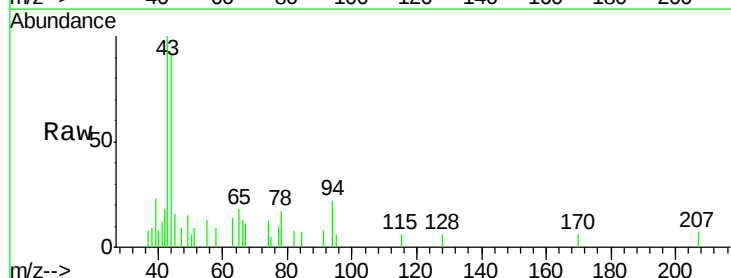
Acq: 22 Sep 2015 19:17

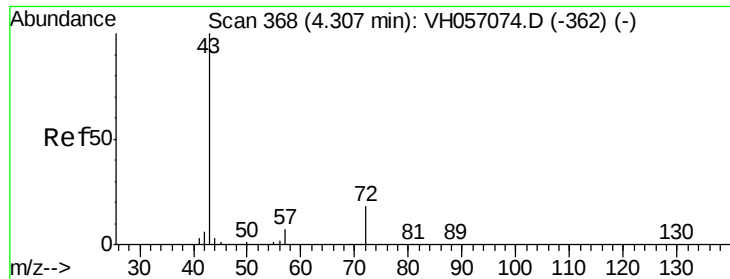
Tgt Ion: 43 Resp: 8231

Ion Ratio Lower Upper

43 100

74 12.6 13.3 24.7#





#25

2-Butanone

Concen: 7.28 ug/l

RT: 4.32 min Scan# 370

Delta R.T. 0.01 min

Lab File: VH057112.D

Acq: 22 Sep 2015 19:17

Instrument :

MSVOA_H

ClientSampleId :

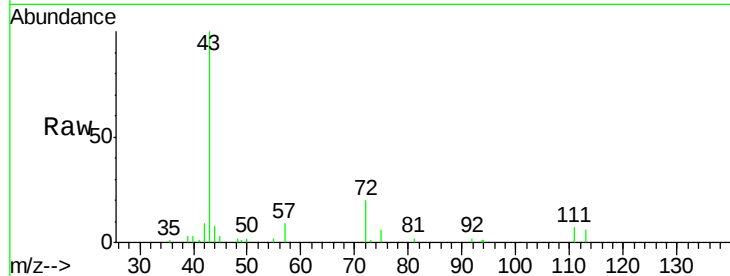
ERD45-CS5-3ME

Tgt Ion: 43 Resp: 69174

Ion Ratio Lower Upper

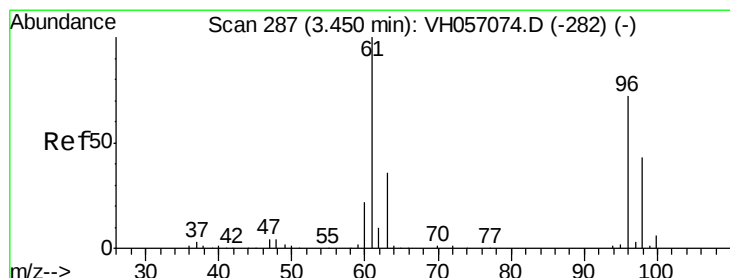
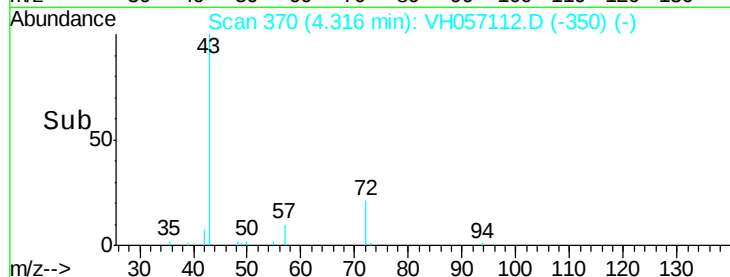
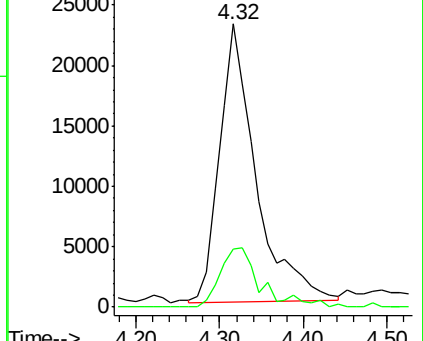
43 100

72 20.4 0.0 39.2



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 72.00 (71.70 to 72.70): VH0



#27

cis-1,2-Dichloroethene

Concen: 0.45 ug/l

RT: 3.44 min Scan# 287

Delta R.T. -0.01 min

Lab File: VH057112.D

Acq: 22 Sep 2015 19:17

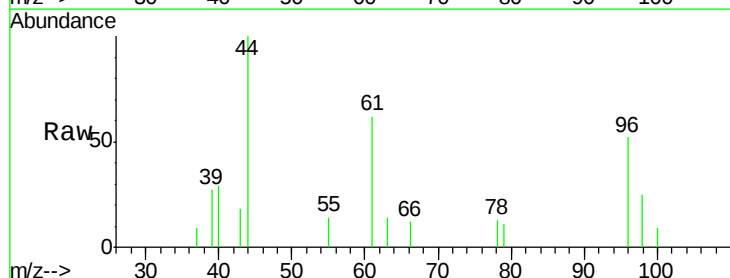
Tgt Ion: 96 Resp: 3619

Ion Ratio Lower Upper

96 100

61 119.3 115.4 173.0

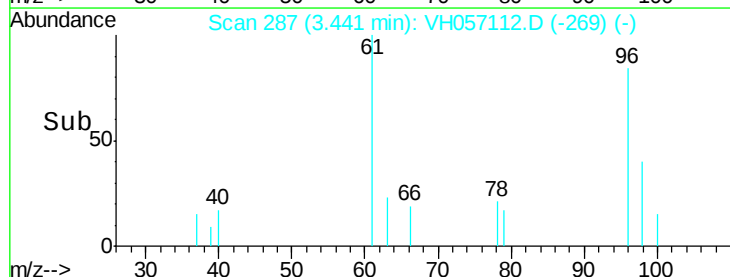
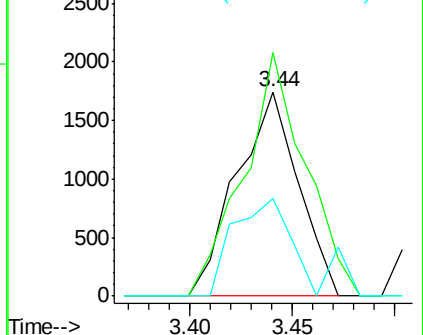
98 48.1 49.7 74.5#

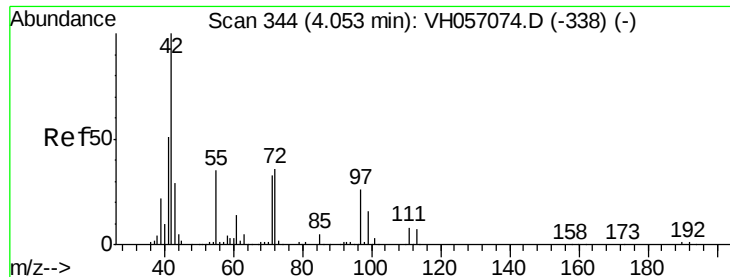


Abundance Ion 96.00 (95.70 to 96.70): VH0

Ion 61.00 (60.70 to 61.70): VH0

Ion 98.00 (97.70 to 98.70): VH0





#31

Tetrahydrofuran

Concen: 0.73 ug/l

RT: 4.06 min Scan# 346

Delta R.T. 0.01 min

Lab File: VH057112.D

Acq: 22 Sep 2015 19:17

Instrument :

MSVOA_H

ClientSampleId :

ERD45-CS5-3ME

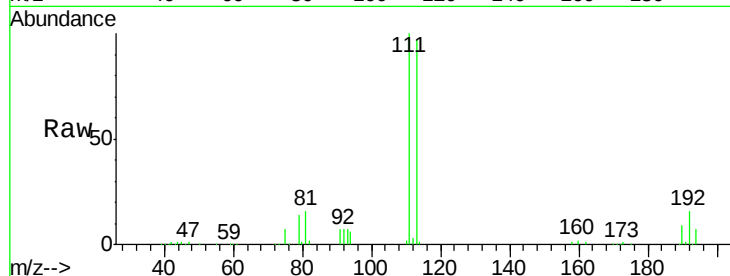
Tgt Ion: 42 Resp: 3897

Ion Ratio Lower Upper

42 100

72 15.0 25.5 38.3#

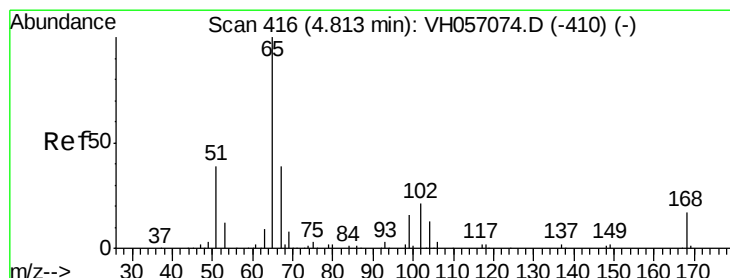
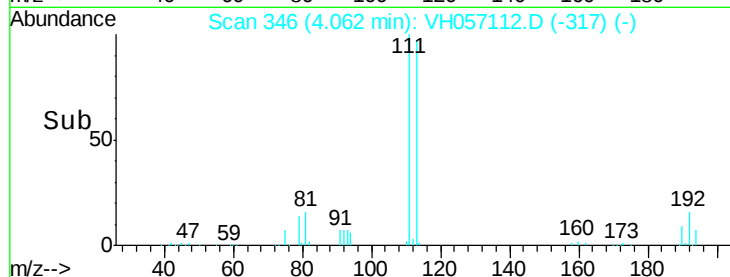
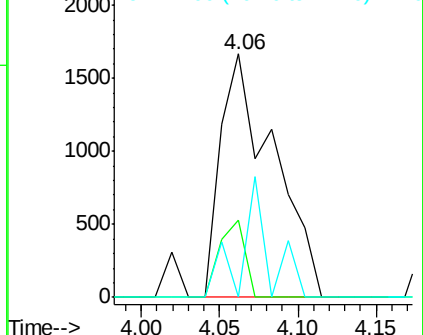
71 26.0 25.4 38.0



Abundance Ion 42.00 (41.70 to 42.70): VH0

Ion 72.00 (71.70 to 72.70): VH0

Ion 71.00 (70.70 to 71.70): VH0



#33

1,2-Dichloroethane-d4

Concen: 71.97 ug/l

RT: 4.80 min Scan# 416

Delta R.T. -0.02 min

Lab File: VH057112.D

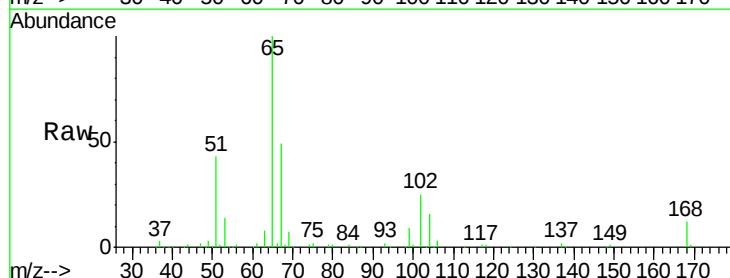
Acq: 22 Sep 2015 19:17

Tgt Ion: 65 Resp: 736206

Ion Ratio Lower Upper

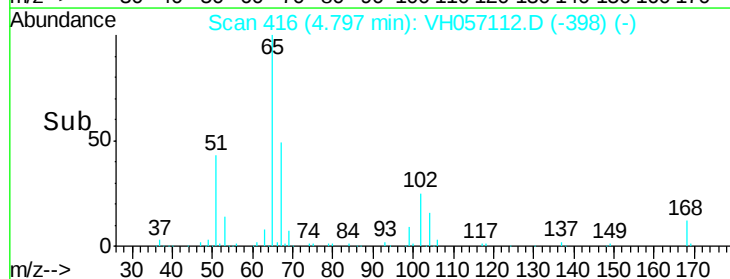
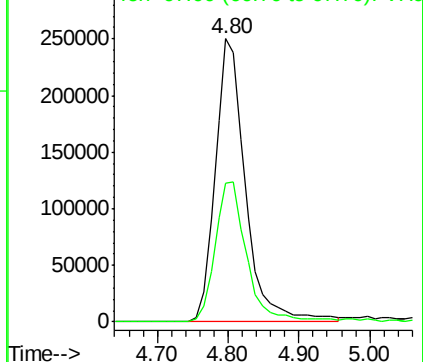
65 100

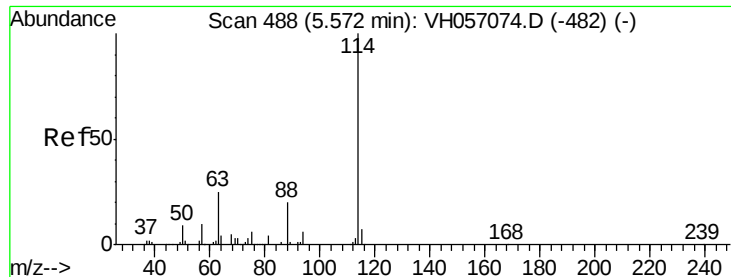
67 48.9 43.2 64.8



Abundance Ion 65.00 (64.70 to 65.70): VH0

Ion 67.00 (66.70 to 67.70): VH0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.55 min Scan# 488

Delta R.T. -0.02 min

Lab File: VH057112.D

Acq: 22 Sep 2015 19:17

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ERD45-CS5-3ME

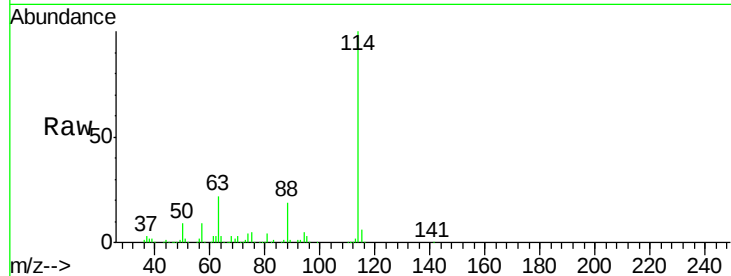
Tgt Ion:114 Resp: 1034758

Ion Ratio Lower Upper

114 100

63 22.0 19.0 28.4

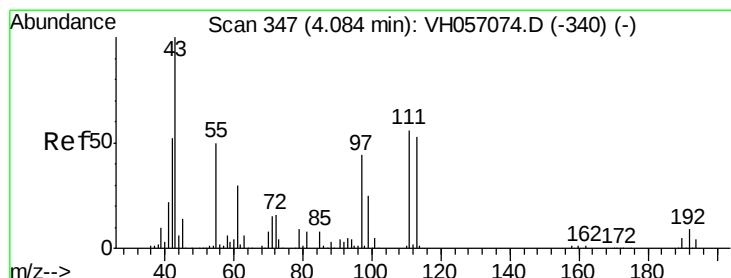
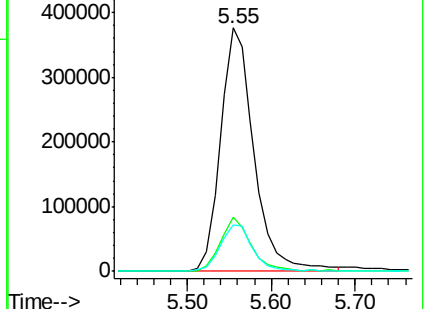
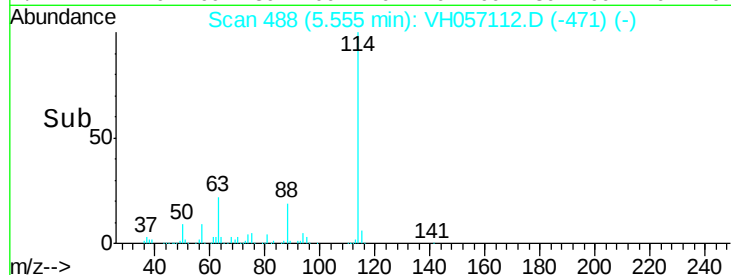
88 18.9 15.7 23.5



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): V

Ion 88.00 (87.70 to 88.70): V



#35

Dibromofluoromethane

Concen: 80.93 ug/l

RT: 4.07 min Scan# 347

Delta R.T. -0.01 min

Lab File: VH057112.D

Acq: 22 Sep 2015 19:17

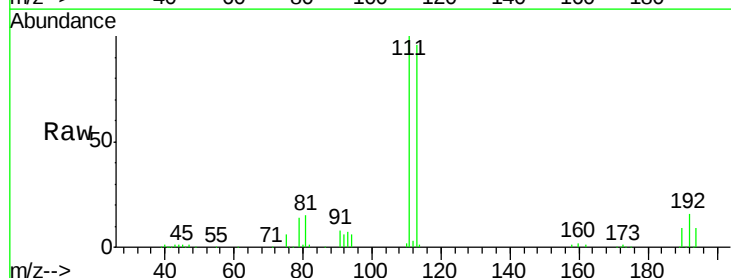
Tgt Ion:113 Resp: 666736

Ion Ratio Lower Upper

113 100

111 104.7 84.0 126.0

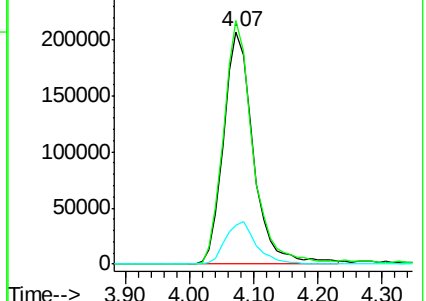
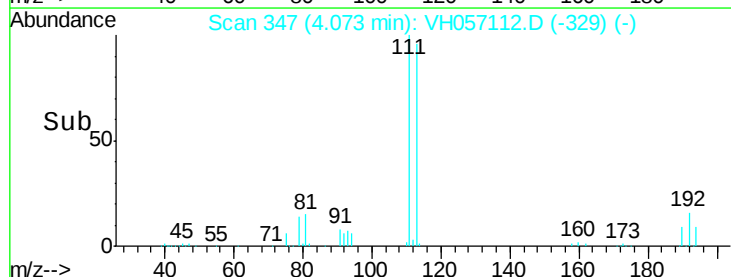
192 16.7 13.6 20.4

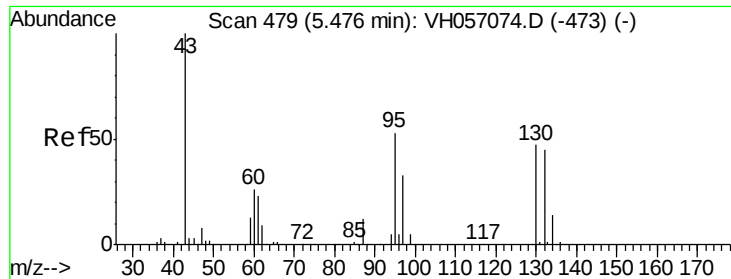


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#43

Trichloroethene

Concen: 0.22 ug/l

RT: 5.46 min Scan# 479

Delta R.T. -0.02 min

Lab File: VH057112.D

Acq: 22 Sep 2015 19:17

Instrument :

MSVOA_H

ClientSampleId :

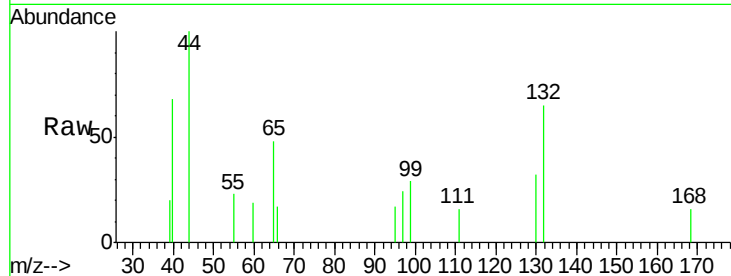
ERD45-CS5-3ME

Tgt Ion:130 Resp: 1514

Ion Ratio Lower Upper

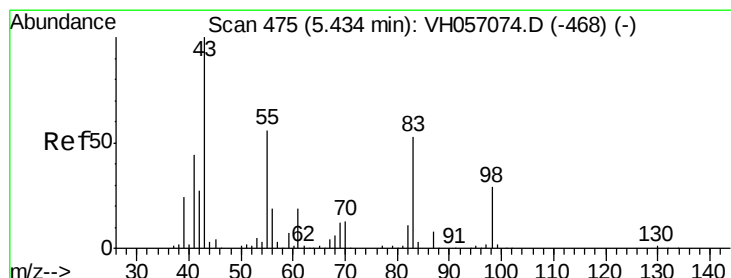
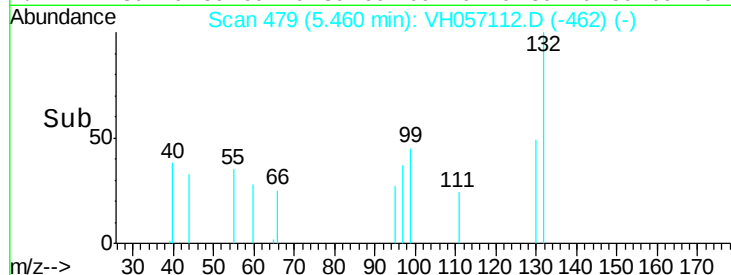
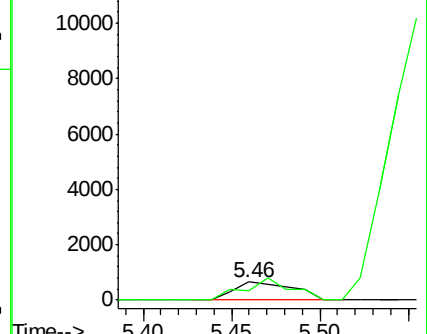
130 100

95 54.2 84.0 126.0#



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VH0



#44

Methylcyclohexane

Concen: 1.06 ug/l

RT: 5.57 min Scan# 489

Delta R.T. 0.13 min

Lab File: VH057112.D

Acq: 22 Sep 2015 19:17

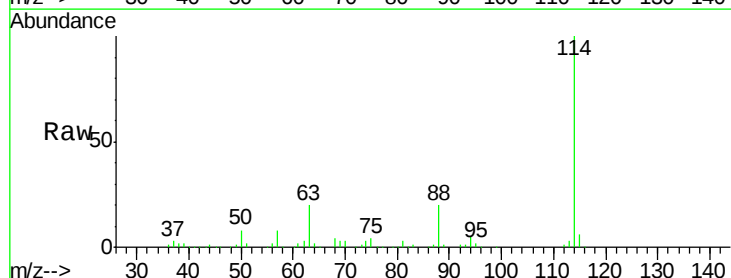
Tgt Ion: 83 Resp: 6923

Ion Ratio Lower Upper

83 100

55 21.4 0.0 207.2

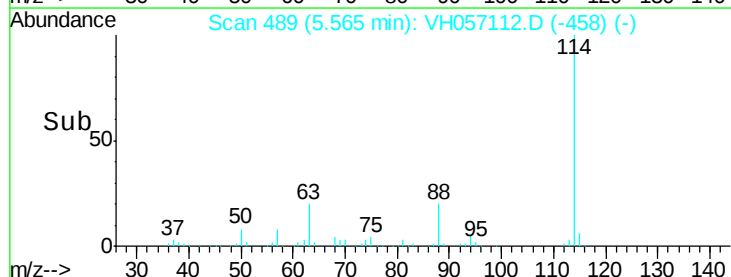
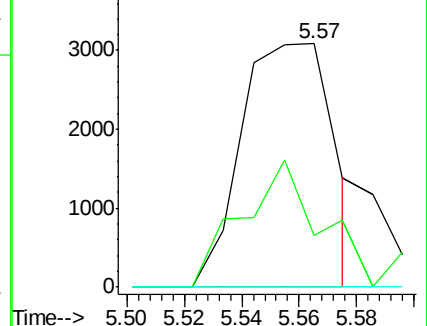
98 0.0 0.0 108.4

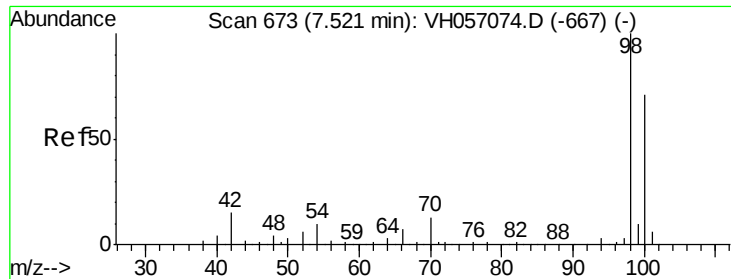


Abundance Ion 83.00 (82.70 to 83.70): VH0

Ion 55.00 (54.70 to 55.70): VH0

Ion 98.00 (97.70 to 98.70): VH0





#48

Toluene-d8

Concen: 79.26 ug/l

RT: 7.50 min Scan# 673

Delta R.T. -0.02 min

Lab File: VH057112.D

Acq: 22 Sep 2015 19:17

Instrument :

MSVOA_H

ClientSampleId :

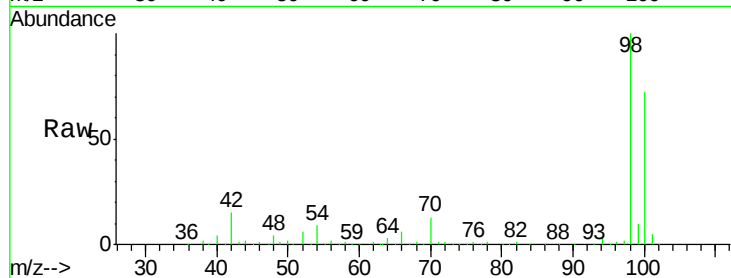
ERD45-CS5-3ME

Tgt Ion: 98 Resp: 1877744

Ion Ratio Lower Upper

98 100

100 72.2 56.7 85.1



Abundance Ion 98.00 (97.70 to 98.70): VH0

Ion 100.00 (99.70 to 100.70): VH

7.50

800000

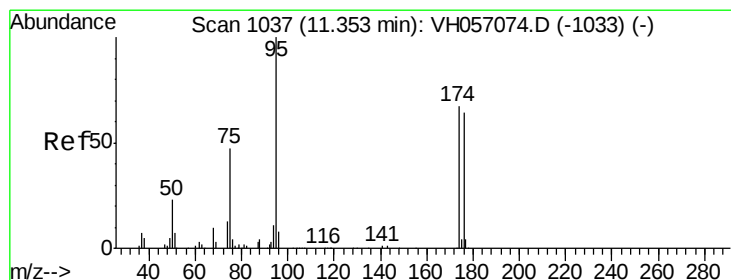
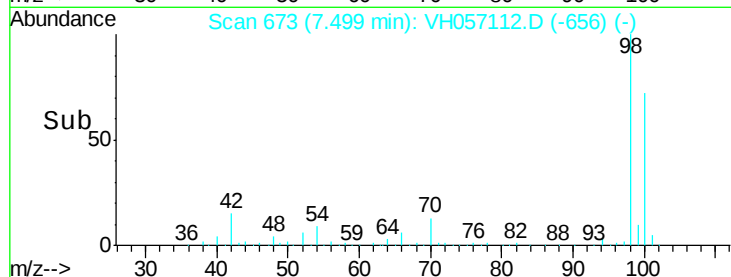
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 79.81 ug/l

RT: 11.35 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VH057112.D

Acq: 22 Sep 2015 19:17

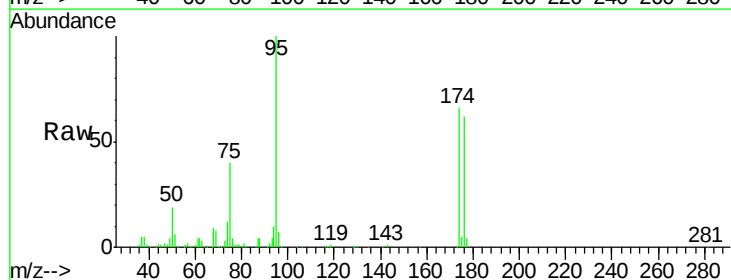
Tgt Ion: 95 Resp: 637634

Ion Ratio Lower Upper

95 100

174 66.1 58.4 87.6

176 61.7 54.3 81.5



Abundance Ion 95.00 (94.70 to 95.70): VH0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.35

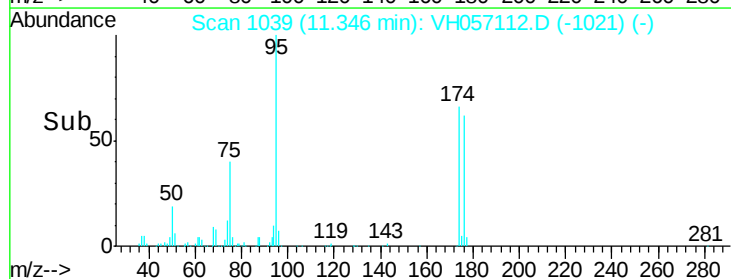
300000

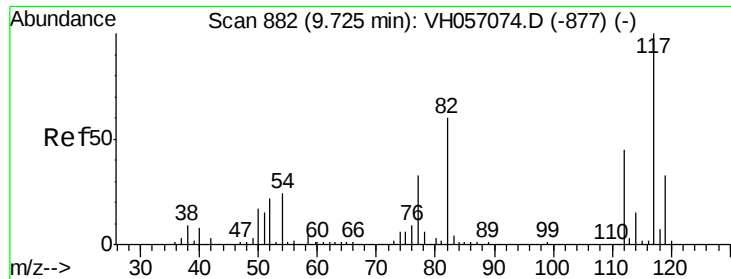
200000

100000

0

Time-->

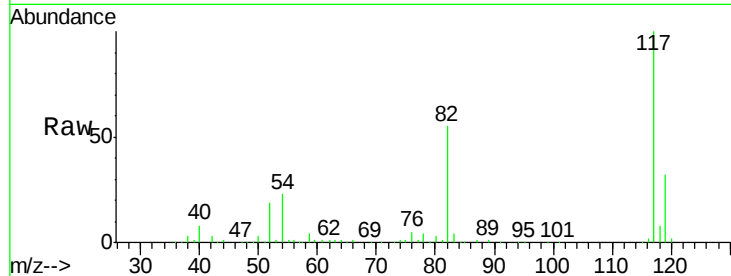




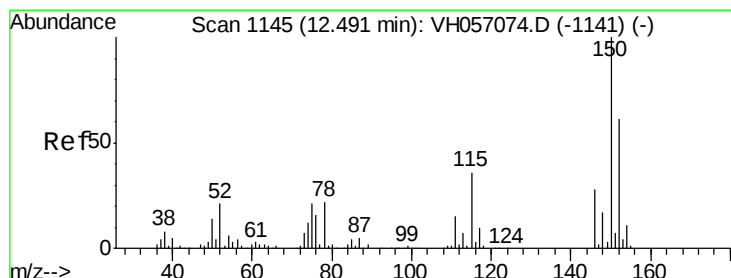
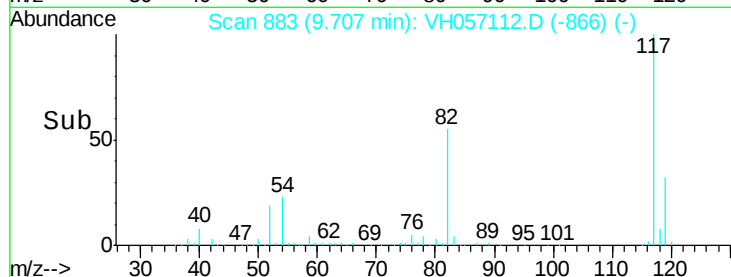
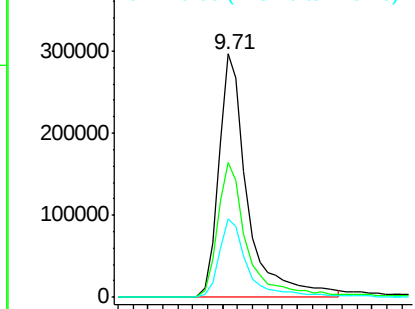
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.71 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: VH057112.D
 Acq: 22 Sep 2015 19:17

Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS5-3ME

Tgt Ion:117 Resp: 797777
 Ion Ratio Lower Upper
 117 100
 82 55.4 51.0 76.6
 119 32.5 26.7 40.1

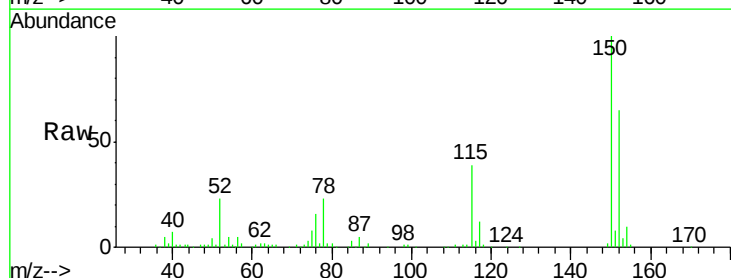


Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 119.00 (118.70 to 119.70): V

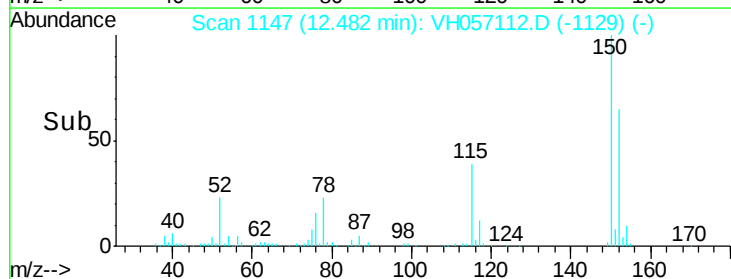
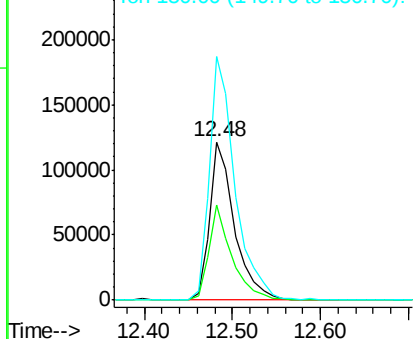


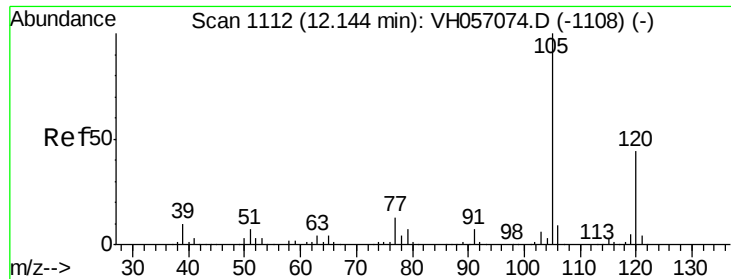
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.48 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: VH057112.D
 Acq: 22 Sep 2015 19:17

Tgt Ion:152 Resp: 238673
 Ion Ratio Lower Upper
 152 100
 115 59.9 28.2 84.6
 150 154.2 0.0 332.0



Abundance Ion 152.00 (151.70 to 152.70): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 150.00 (149.70 to 150.70): V

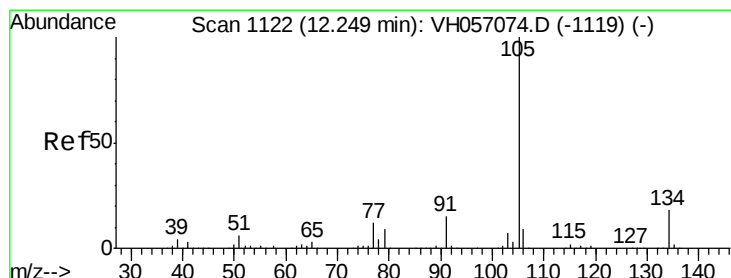
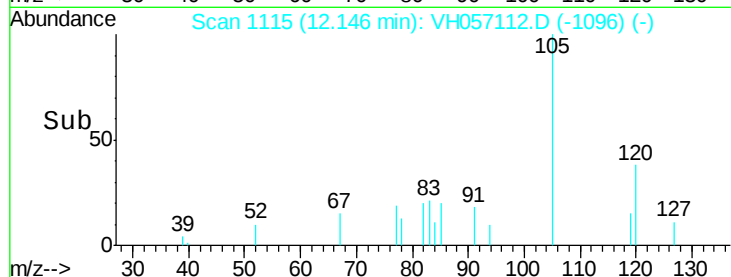
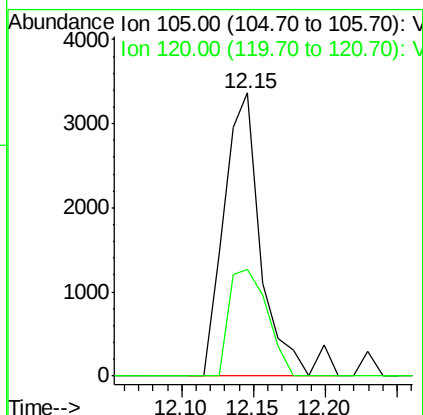
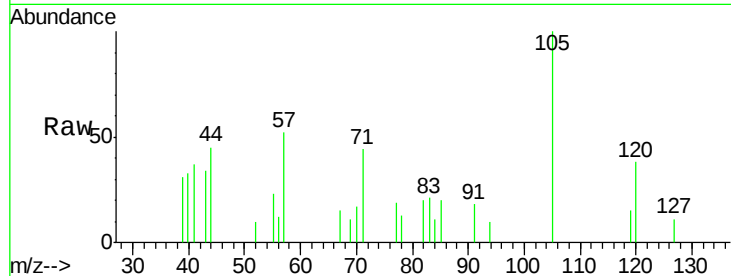




#84
 1,2,4-Trimethylbenzene
 Concen: 0.42 ug/l
 RT: 12.15 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: VH057112.D
 Acq: 22 Sep 2015 19:17

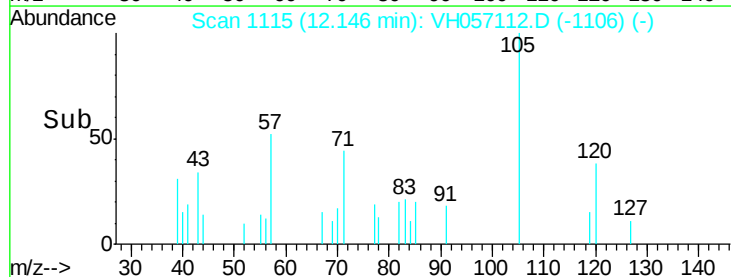
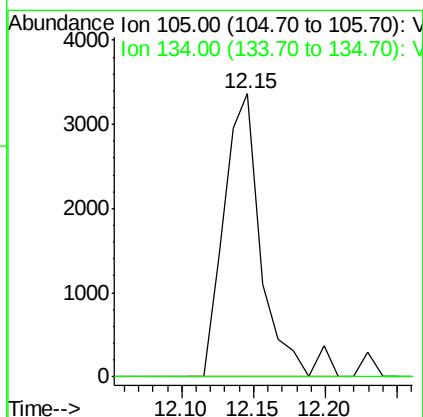
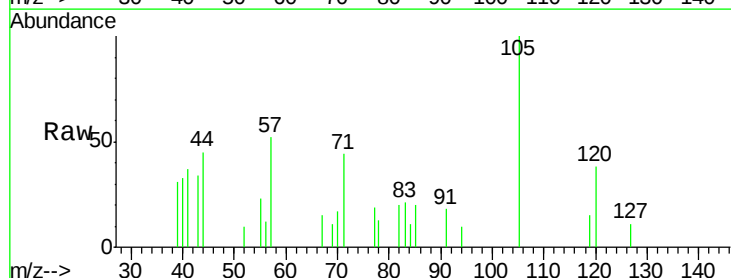
Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS5-3ME

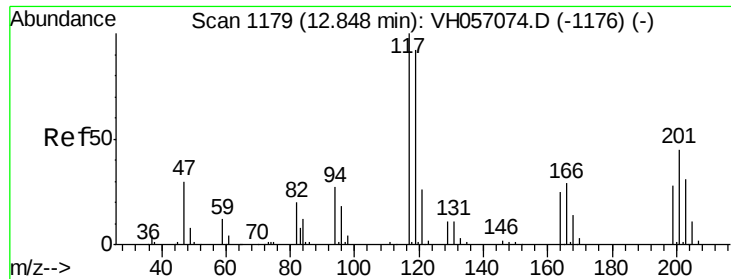
Tgt Ion:105 Resp: 6234
 Ion Ratio Lower Upper
 105 100
 120 37.7 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 0.43 ug/l
 RT: 12.15 min Scan# 1115
 Delta R.T. -0.10 min
 Lab File: VH057112.D
 Acq: 22 Sep 2015 19:17

Tgt Ion:105 Resp: 6234
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.1 27.3#

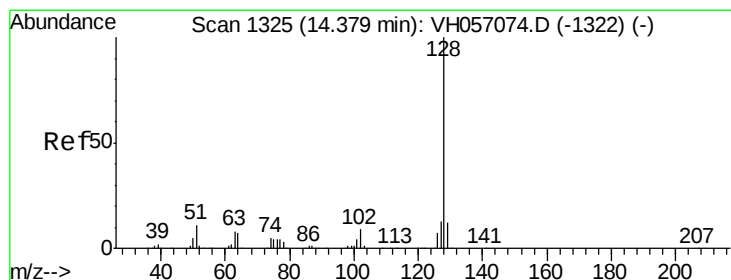
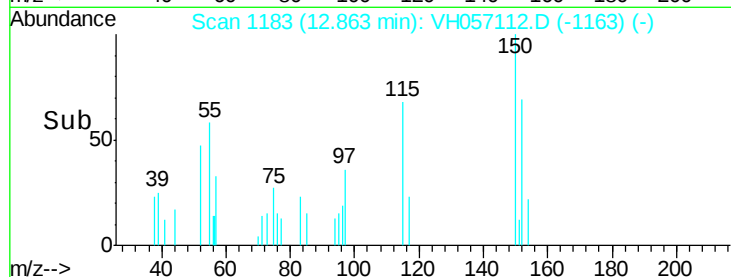
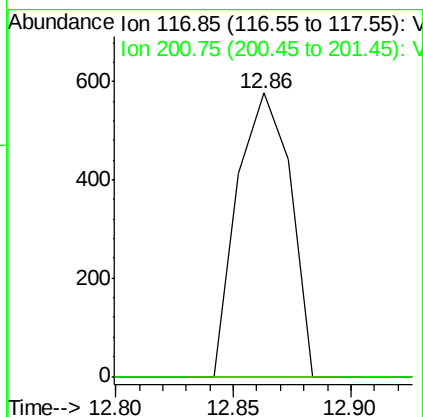
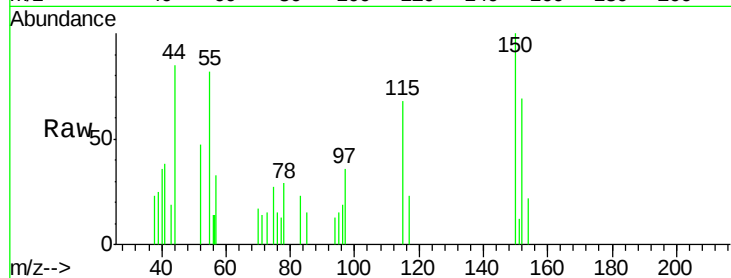




#90
Hexachloroethane
Concen: 0.39 ug/l
RT: 12.86 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VH057112.D
Acq: 22 Sep 2015 19:17

Instrument :
MSVOA_H
ClientSampleId :
ERD45-CS5-3ME

Tgt Ion:117 Resp: 909
Ion Ratio Lower Upper
117 100
201 0.0 14.0 80.8#



#95
Naphthalene
Concen: 5.29 ug/l
RT: 14.38 min Scan# 1327
Delta R.T. -0.00 min
Lab File: VH057112.D
Acq: 22 Sep 2015 19:17

Tgt Ion:128 Resp: 2970
Ion Ratio Lower Upper
128 100
127 0.0 9.6 14.4#
129 0.0 8.7 13.1#

