

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
 Data File : VH057115.D
 Acq On : 22 Sep 2015 20:38
 Operator : SY/FY
 Sample : G3712-01ME
 Misc : 5.00g/10mL//100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS2-3ME

Quant Time: Sep 23 04:40:03 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	1604828	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.56	114	2796000	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.71	117	2172119	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.48	152	667858	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	618217	21.57	ug/l	-0.01
Spiked Amount	50.000	Range	66 - 150	Recovery	=	43.14%#	
35) Dibromofluoromethane		4.08	113	544186	24.44	ug/l	0.00
Spiked Amount	50.000	Range	76 - 130	Recovery	=	48.88%#	
48) Toluene-d8		7.50	98	1533795	23.96	ug/l	-0.02
Spiked Amount	50.000	Range	78 - 121	Recovery	=	47.92%#	
62) 4-Bromofluorobenzene		11.35	95	524645	24.30	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	48.60%#	

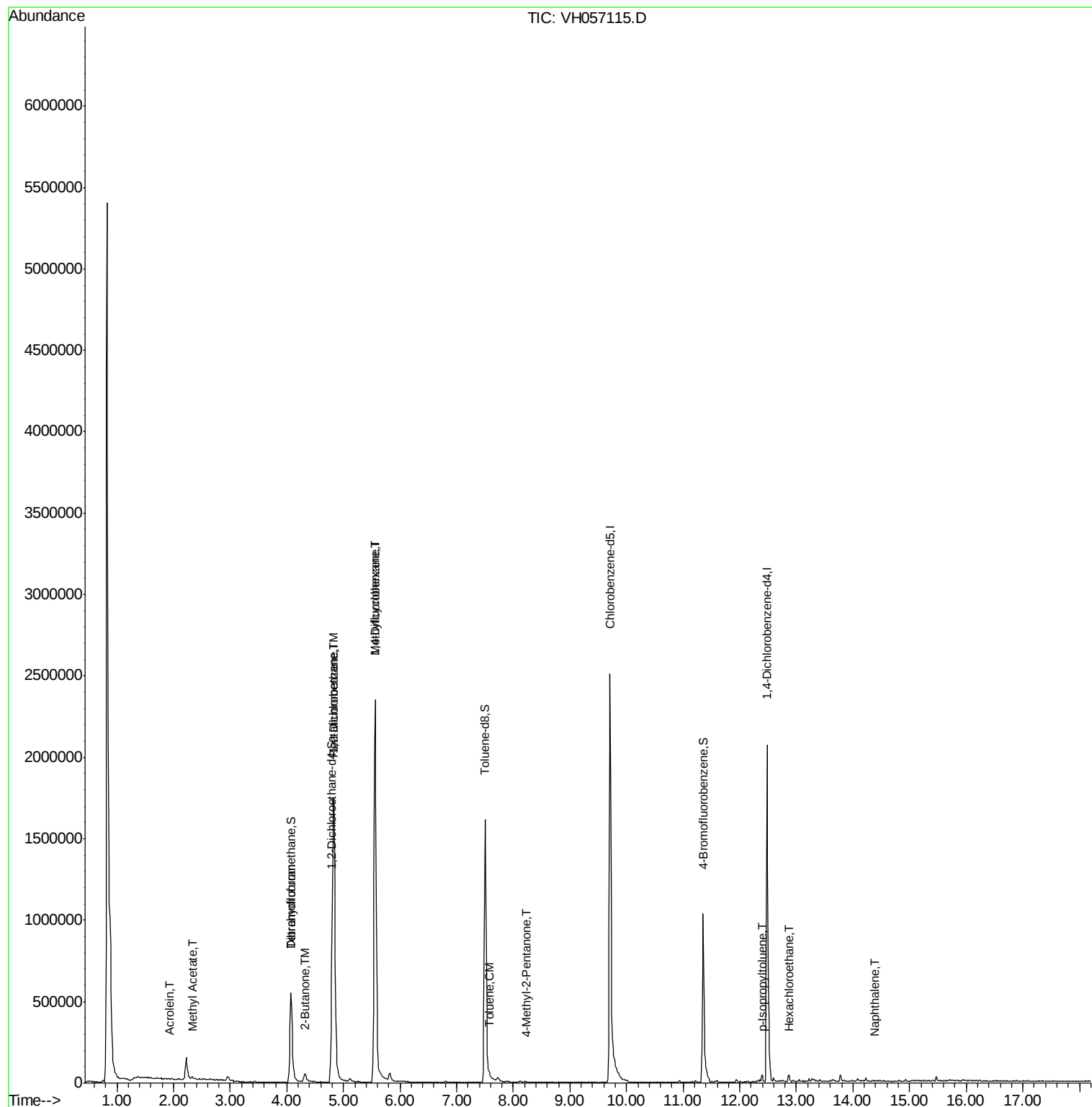
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.23	94	983	Below Cal	#	1
6) Chloroethane	1.36	64	363	Below Cal	#	1
13) Acrolein	1.93	56	1177	0.38	ug/l	# 75
17) Acetone	2.22	43	215317	Below Cal		92
19) Methyl Acetate	2.33	43	25972	0.35	ug/l	# 86
25) 2-Butanone	4.32	43	104433	3.92	ug/l	85
31) Tetrahydrofuran	4.08	42	3841	0.26	ug/l	# 56
41) 1,2-Dichloroethane	4.82	62	7143	0.22	ug/l	# 1
44) Methylcyclohexane	5.56	83	22179	1.25	ug/l	28
49) 4-Methyl-2-Pentanone	8.22	43	9228	0.20	ug/l	70
50) Toluene	7.57	92	10288	0.22	ug/l	# 71
86) p-Isopropyltoluene	12.40	119	17539	0.57	ug/l	94
90) Hexachloroethane	12.87	117	2523	0.39	ug/l	# 29
95) Naphthalene	14.38	128	2601	4.99	ug/l	# 70

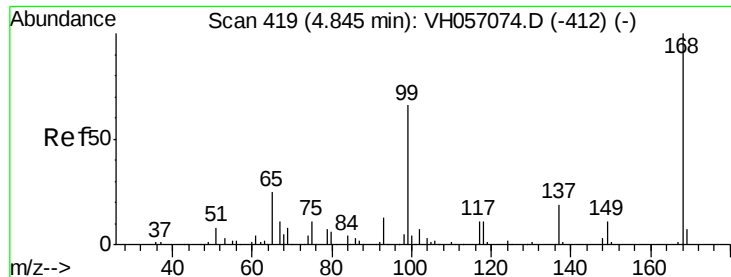
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:34:01 2015
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.83 min Scan# 419

Delta R.T. -0.01 min

Lab File: VH057115.D

Acq: 22 Sep 2015 20:38

Instrument :

MSVOA_H

ClientSampleId :

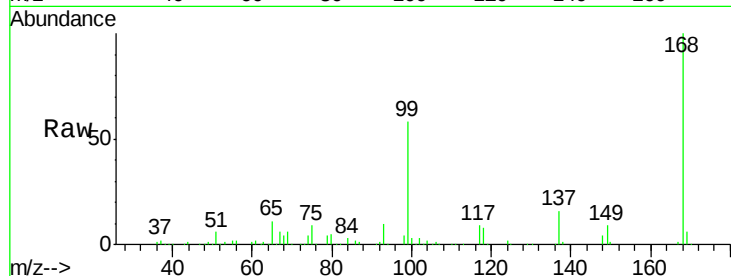
ERD45-CS2-3ME

Tgt Ion:168 Resp: 1604828

Ion Ratio Lower Upper

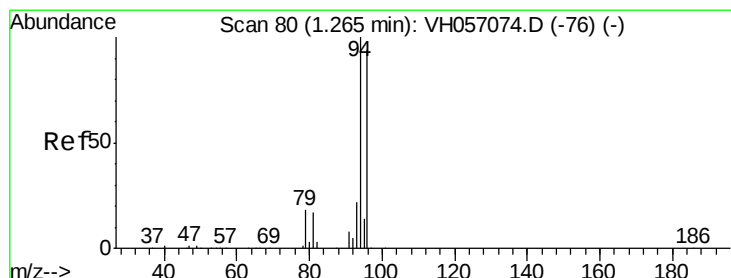
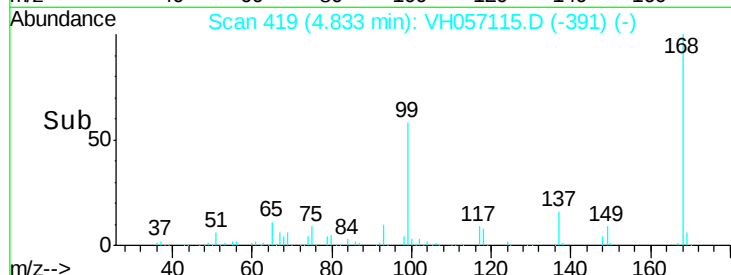
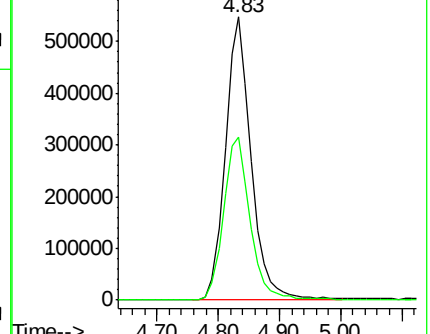
168 100

99 57.7 55.8 83.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VHC



#5

Bromomethane

Concen: Below Cal

RT: 1.23 min Scan# 77

Delta R.T. -0.03 min

Lab File: VH057115.D

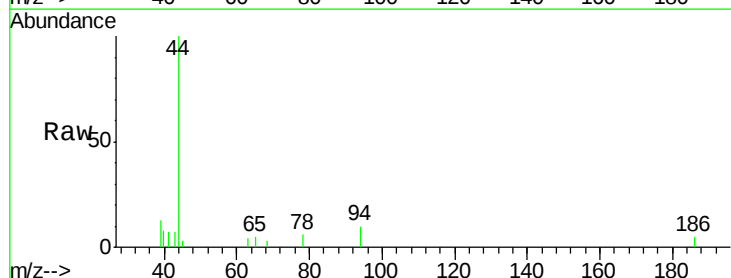
Acq: 22 Sep 2015 20:38

Tgt Ion: 94 Resp: 983

Ion Ratio Lower Upper

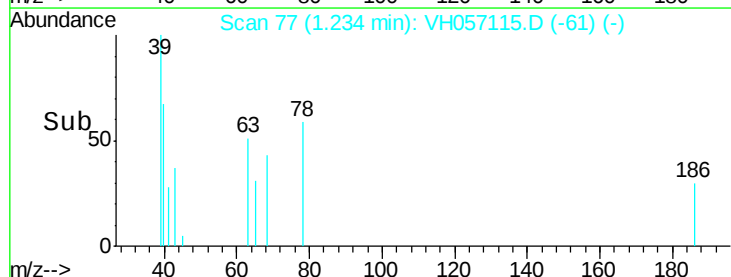
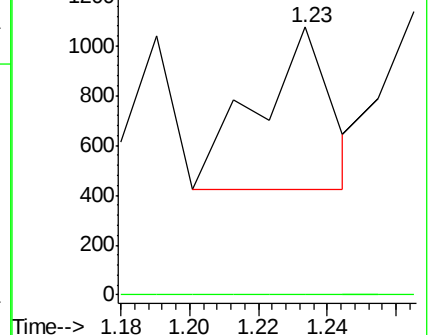
94 100

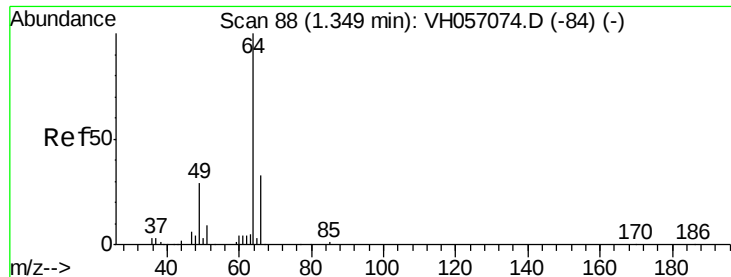
96 0.0 78.5 117.7#



Abundance Ion 94.00 (93.70 to 94.70): VHC

Ion 96.00 (95.70 to 96.70): VHC





#6

Chloroethane

Concen: Below Cal

RT: 1.36 min Scan# 89

Delta R.T. 0.01 min

Lab File: VH057115.D

Acq: 22 Sep 2015 20:38

Instrument :

MSVOA_H

ClientSampleId :

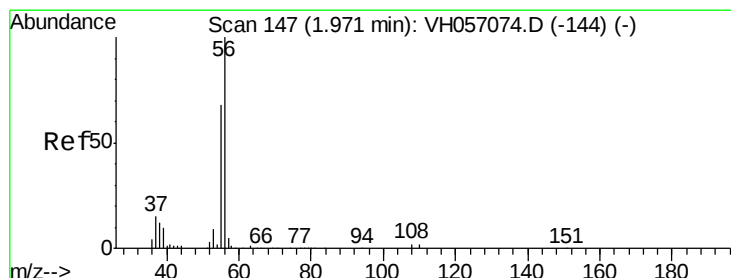
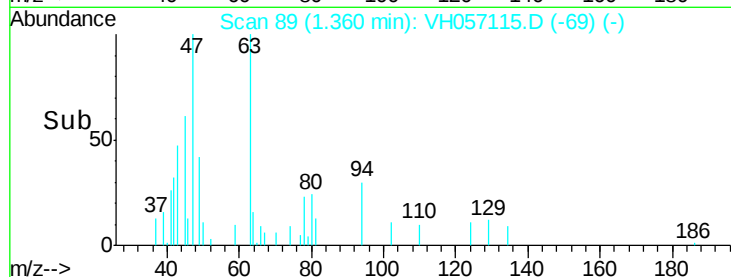
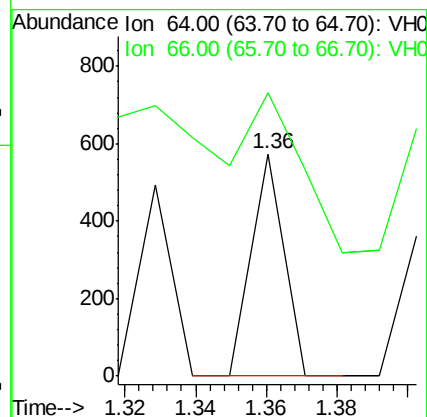
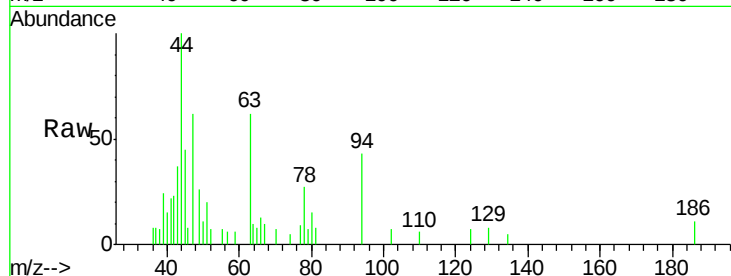
ERD45-CS2-3ME

Tgt Ion: 64 Resp: 363

Ion Ratio Lower Upper

64 100

66 127.6 25.2 37.8#



#13

Acrolein

Concen: 0.38 ug/l

RT: 1.93 min Scan# 143

Delta R.T. -0.04 min

Lab File: VH057115.D

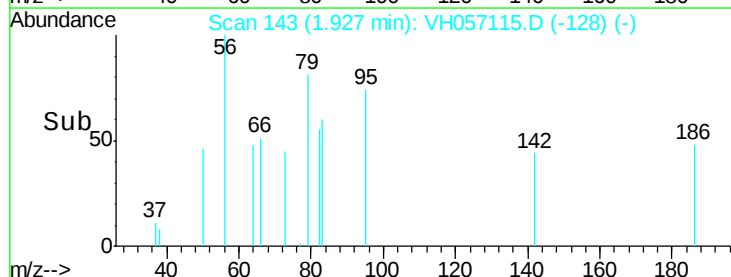
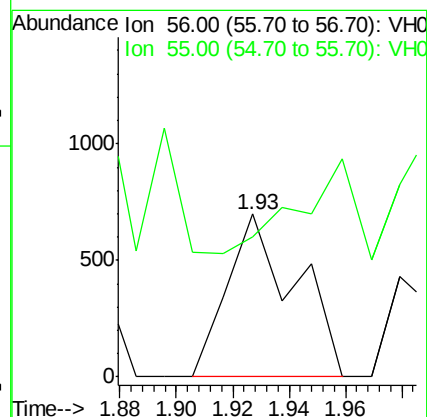
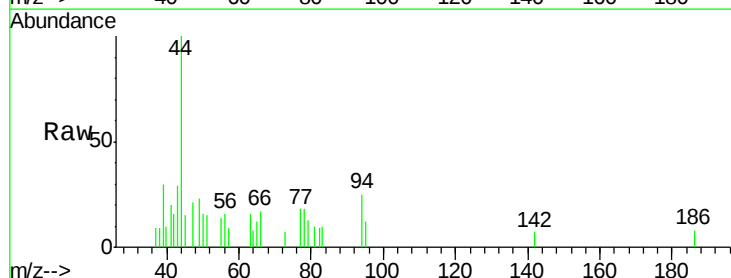
Acq: 22 Sep 2015 20:38

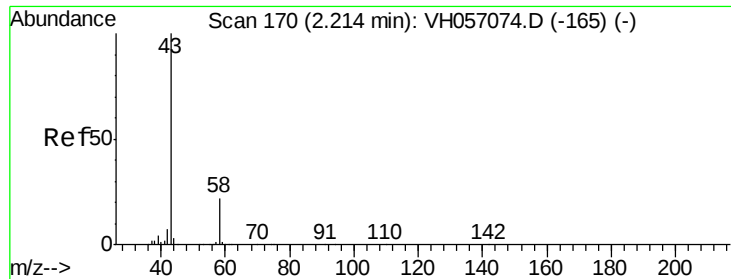
Tgt Ion: 56 Resp: 1177

Ion Ratio Lower Upper

56 100

55 86.1 52.9 79.3#





#17

Acetone

Concen: Below Cal

RT: 2.22 min Scan# 171

Delta R.T. 0.01 min

Lab File: VH057115.D

Acq: 22 Sep 2015 20:38

Instrument :

MSVOA_H

ClientSampleId :

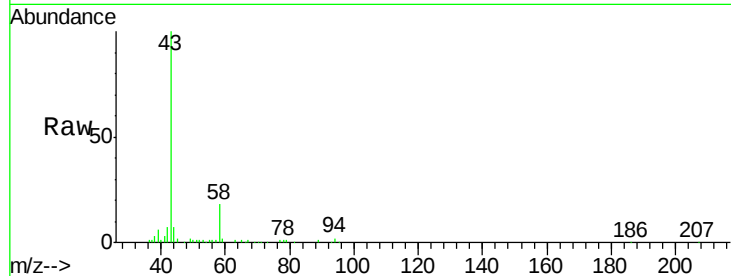
ERD45-CS2-3ME

Tgt Ion: 43 Resp: 215317

Ion Ratio Lower Upper

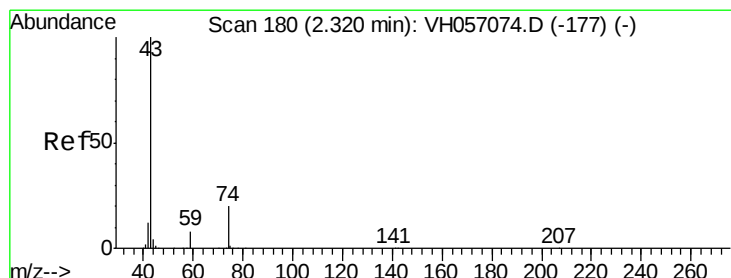
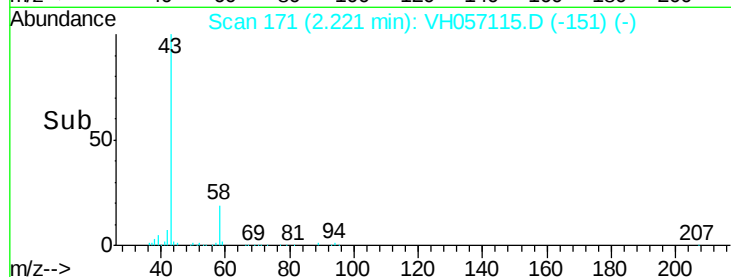
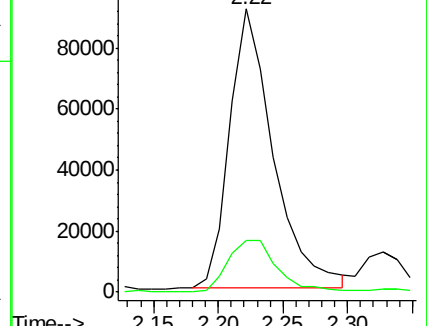
43 100

58 18.3 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 58.00 (57.70 to 58.70): VH0



#19

Methyl Acetate

Concen: 0.35 ug/l

RT: 2.33 min Scan# 181

Delta R.T. 0.01 min

Lab File: VH057115.D

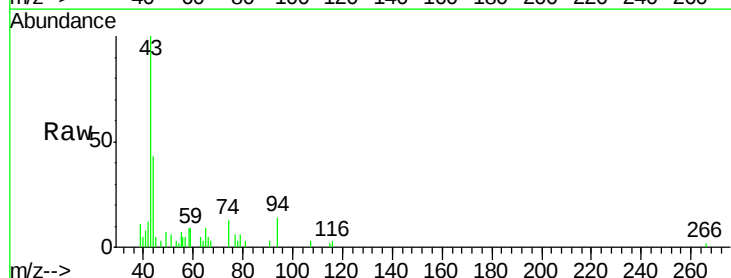
Acq: 22 Sep 2015 20:38

Tgt Ion: 43 Resp: 25972

Ion Ratio Lower Upper

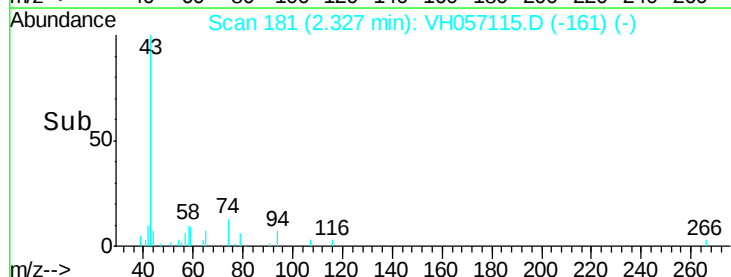
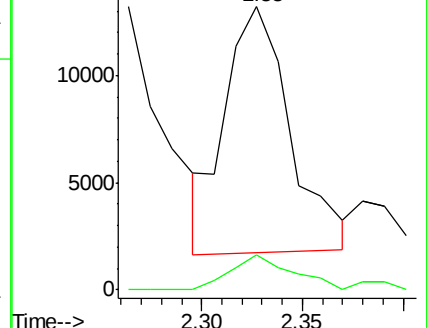
43 100

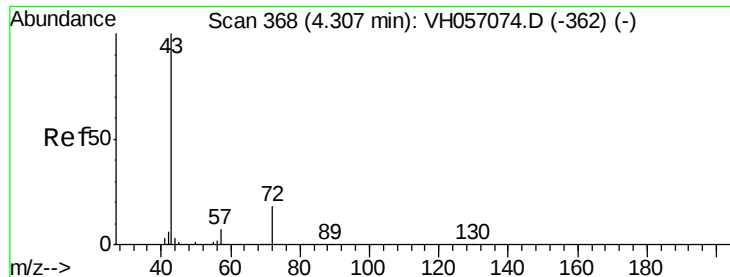
74 12.5 13.3 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 74.00 (73.70 to 74.70): VH0





#25

2-Butanone

Concen: 3.92 ug/l

RT: 4.32 min Scan# 370

Delta R.T. 0.01 min

Lab File: VH057115.D

Acq: 22 Sep 2015 20:38

Instrument :

MSVOA_H

ClientSampleId :

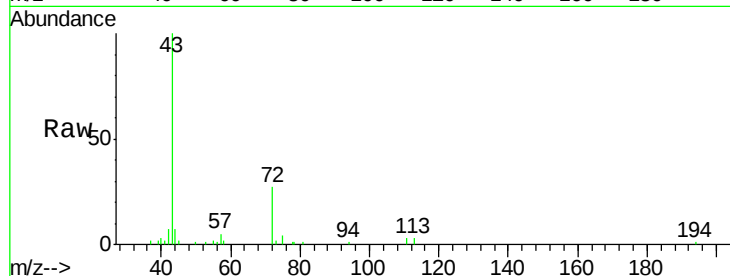
ERD45-CS2-3ME

Tgt Ion: 43 Resp: 104433

Ion Ratio Lower Upper

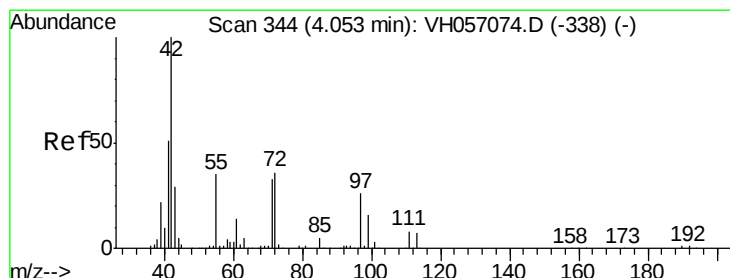
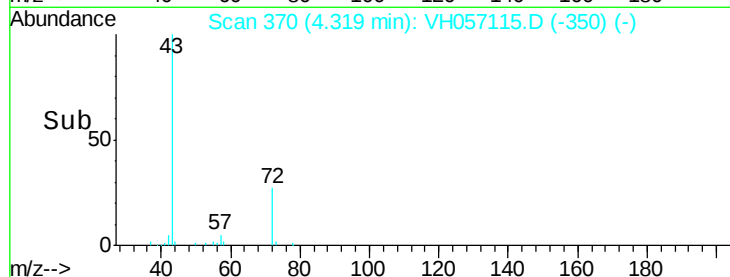
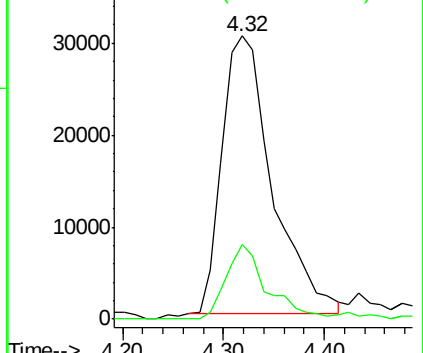
43 100

72 26.5 0.0 39.2



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 72.00 (71.70 to 72.70): VH0



#31

Tetrahydrofuran

Concen: 0.26 ug/l

RT: 4.08 min Scan# 347

Delta R.T. 0.02 min

Lab File: VH057115.D

Acq: 22 Sep 2015 20:38

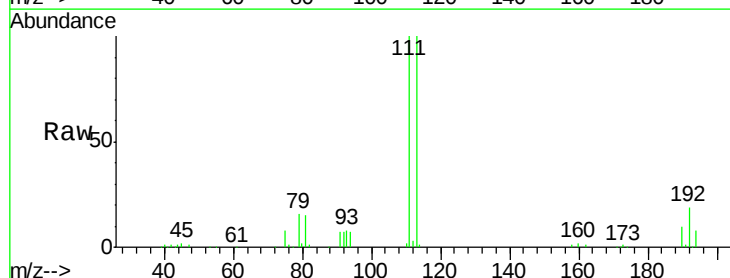
Tgt Ion: 42 Resp: 3841

Ion Ratio Lower Upper

42 100

72 14.8 25.5 38.3#

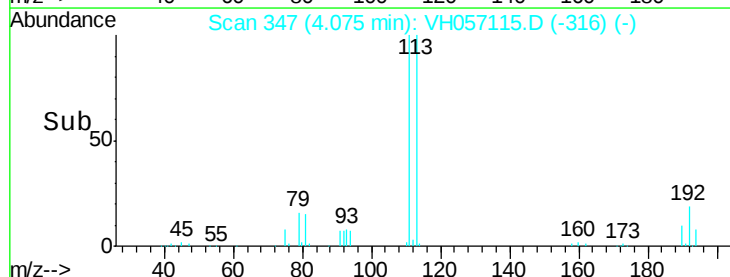
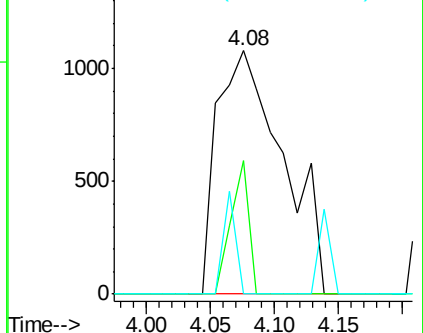
71 0.0 25.4 38.0#

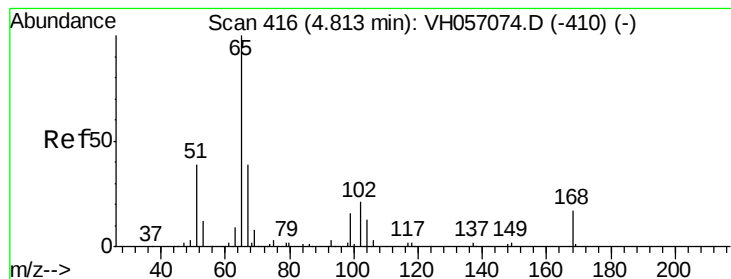


Abundance Ion 42.00 (41.70 to 42.70): VH0

Ion 72.00 (71.70 to 72.70): VH0

Ion 71.00 (70.70 to 71.70): VH0





#33

1,2-Dichloroethane-d4

Concen: 21.57 ug/l

RT: 4.80 min Scan# 416

Delta R.T. -0.01 min

Lab File: VH057115.D

Acq: 22 Sep 2015 20:38

Instrument :

MSVOA_H

ClientSampleId :

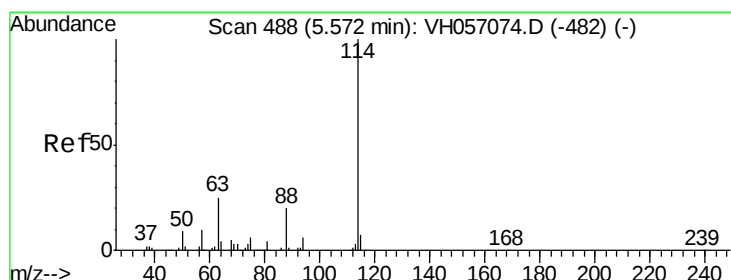
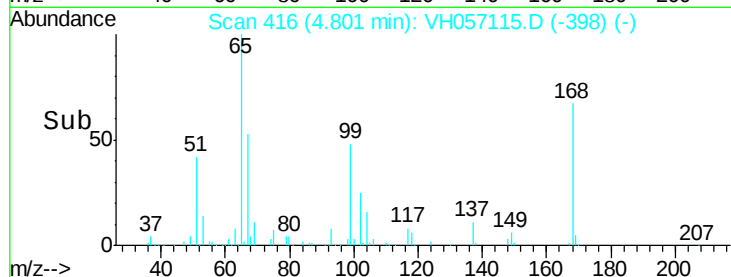
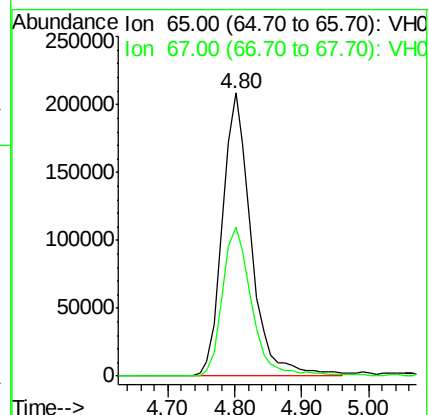
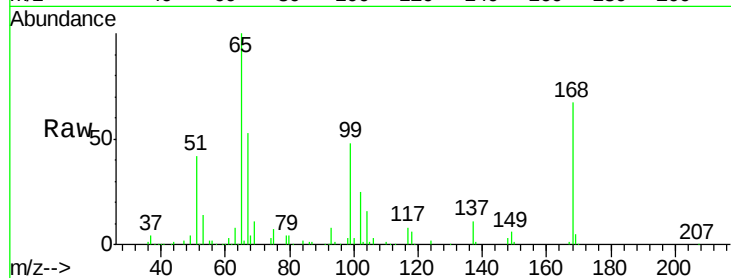
ERD45-CS2-3ME

Tgt Ion: 65 Resp: 618217

Ion Ratio Lower Upper

65 100

67 52.8 43.2 64.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.56 min Scan# 488

Delta R.T. -0.01 min

Lab File: VH057115.D

Acq: 22 Sep 2015 20:38

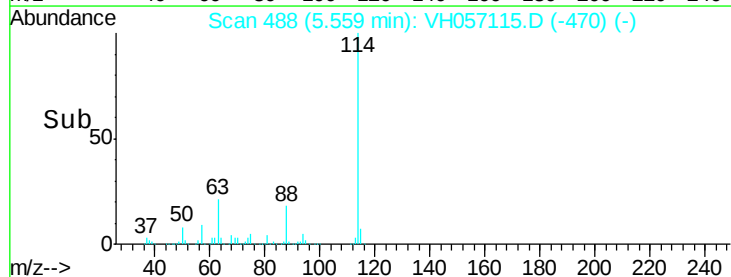
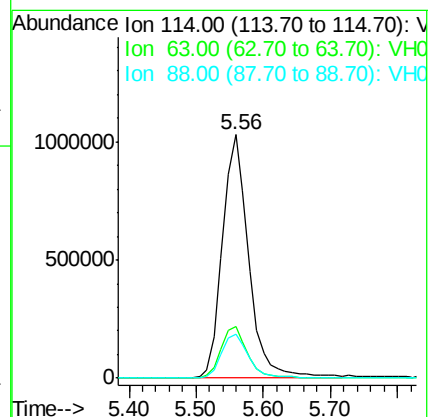
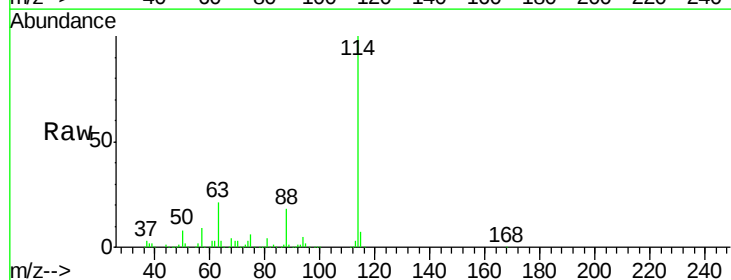
Tgt Ion: 114 Resp: 2796000

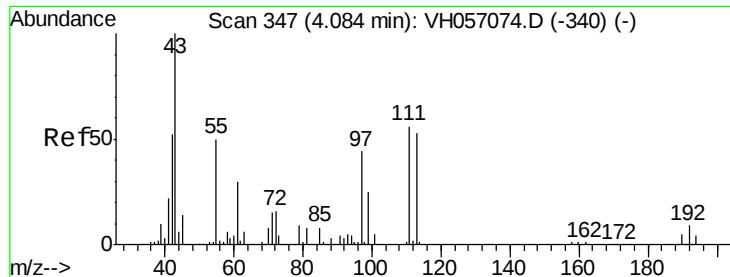
Ion Ratio Lower Upper

114 100

63 21.2 19.0 28.4

88 18.1 15.7 23.5

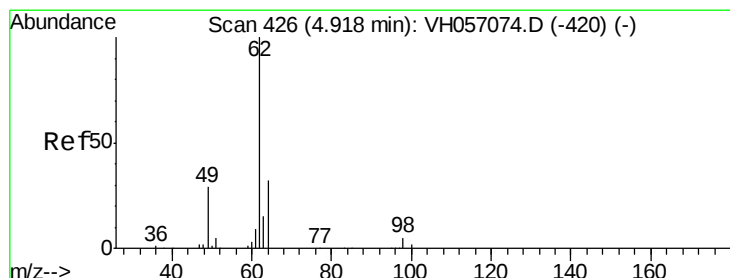
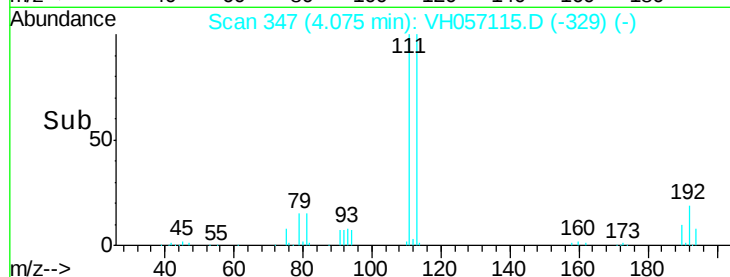
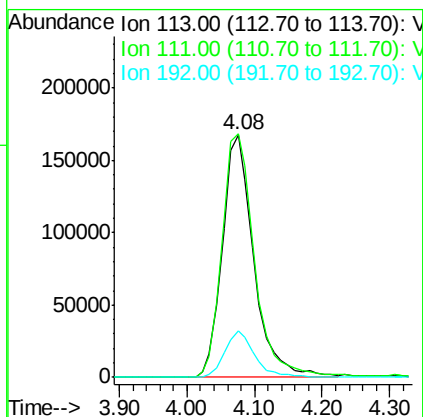
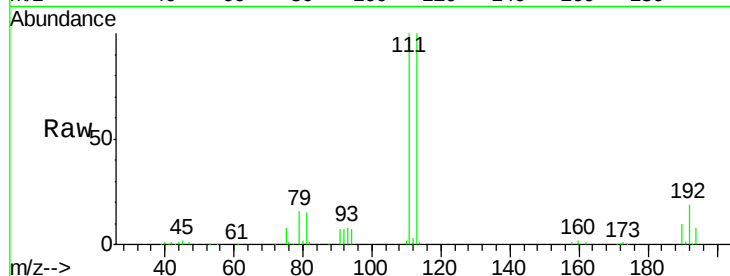




#35
 Dibromofluoromethane
 Concen: 24.44 ug/l
 RT: 4.08 min Scan# 347
 Delta R.T. -0.01 min
 Lab File: VH057115.D
 Acq: 22 Sep 2015 20:38

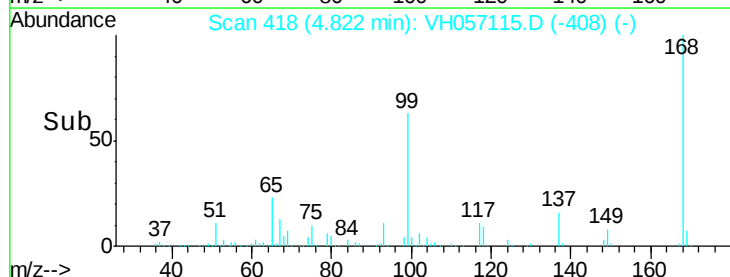
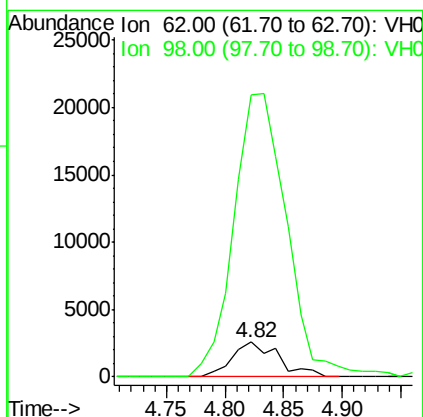
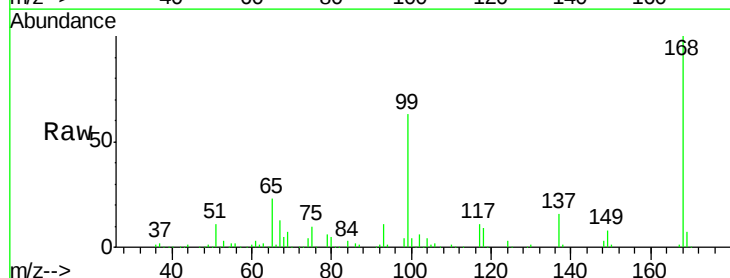
Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS2-3ME

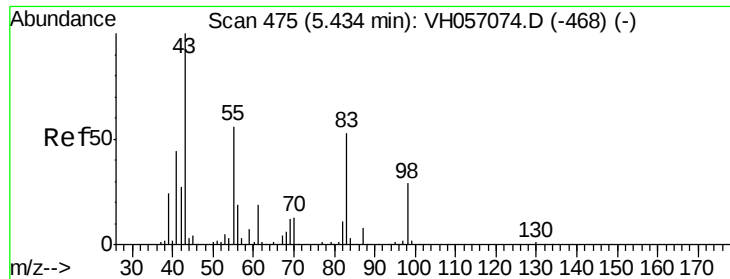
Tgt Ion: 113 Resp: 544186
 Ion Ratio Lower Upper
 113 100
 111 100.3 84.0 126.0
 192 19.3 13.6 20.4



#41
 1,2-Dichloroethane
 Concen: 0.22 ug/l
 RT: 4.82 min Scan# 418
 Delta R.T. -0.10 min
 Lab File: VH057115.D
 Acq: 22 Sep 2015 20:38

Tgt Ion: 62 Resp: 7143
 Ion Ratio Lower Upper
 62 100
 98 805.8 7.3 10.9#





#44

Methylcyclohexane

Concen: 1.25 ug/l

RT: 5.56 min Scan# 488

Delta R.T. 0.12 min

Lab File: VH057115.D

Acq: 22 Sep 2015 20:38

Instrument :

MSVOA_H

ClientSampleId :

ERD45-CS2-3ME

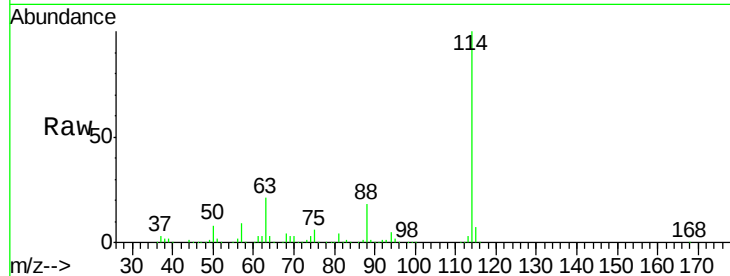
Tgt Ion: 83 Resp: 22179

Ion Ratio Lower Upper

83 100

55 30.0 0.0 207.2

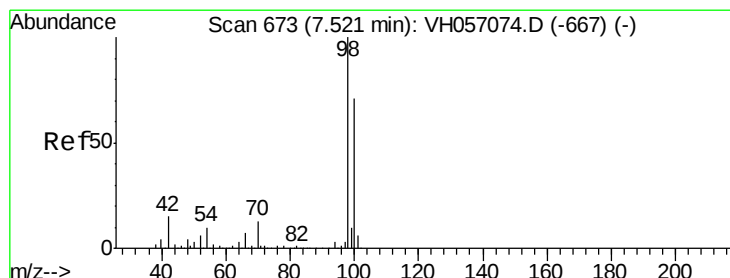
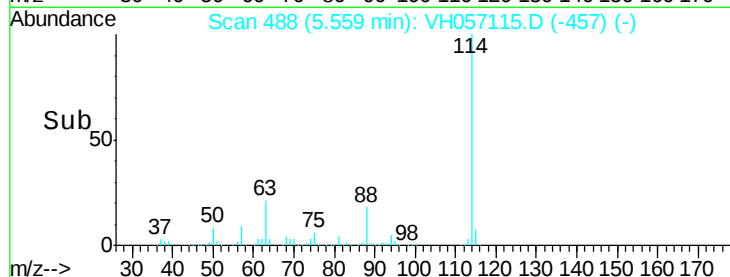
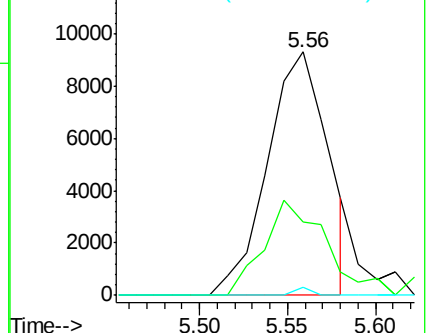
98 3.6 0.0 108.4



Abundance Ion 83.00 (82.70 to 83.70): VHC

Ion 55.00 (54.70 to 55.70): VHC

Ion 98.00 (97.70 to 98.70): VHC



#48

Toluene-d8

Concen: 23.96 ug/l

RT: 7.50 min Scan# 672

Delta R.T. -0.02 min

Lab File: VH057115.D

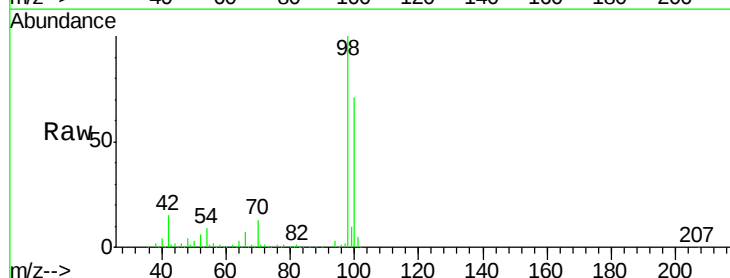
Acq: 22 Sep 2015 20:38

Tgt Ion: 98 Resp: 1533795

Ion Ratio Lower Upper

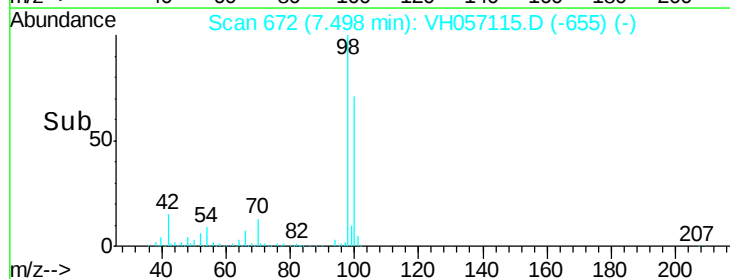
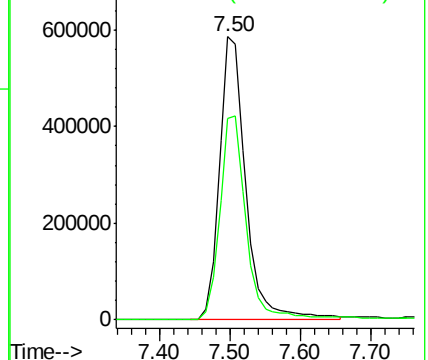
98 100

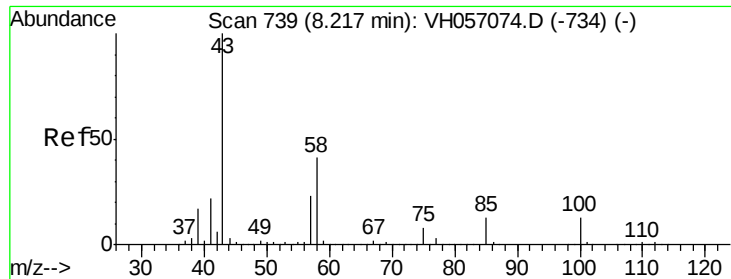
100 71.3 56.7 85.1



Abundance Ion 98.00 (97.70 to 98.70): VHC

Ion 100.00 (99.70 to 100.70): VHC

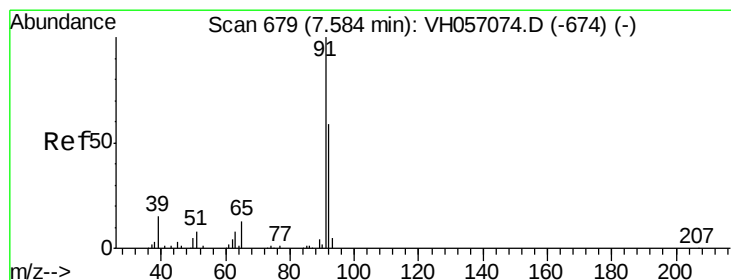
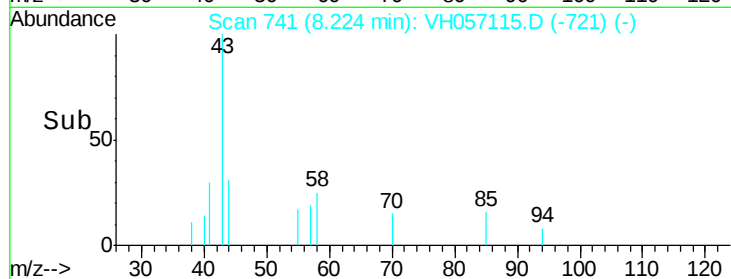
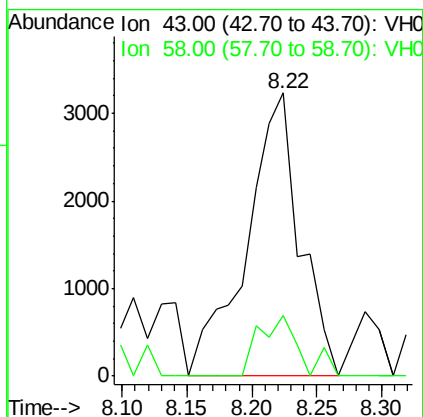
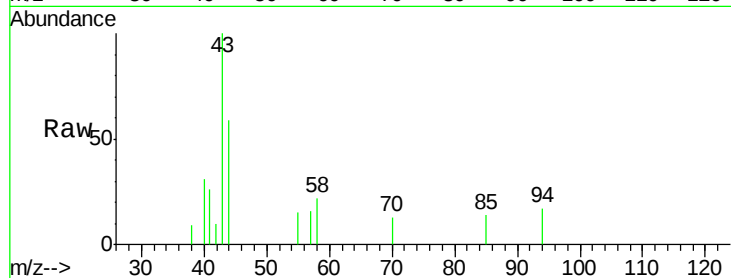




#49
 4-Methyl-2-Pentanone
 Concen: 0.20 ug/l
 RT: 8.22 min Scan# 741
 Delta R.T. 0.01 min
 Lab File: VH057115.D
 Acq: 22 Sep 2015 20:38

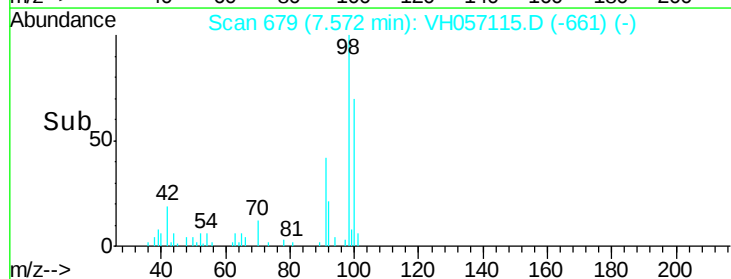
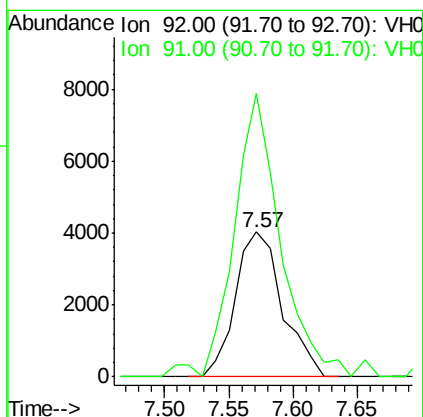
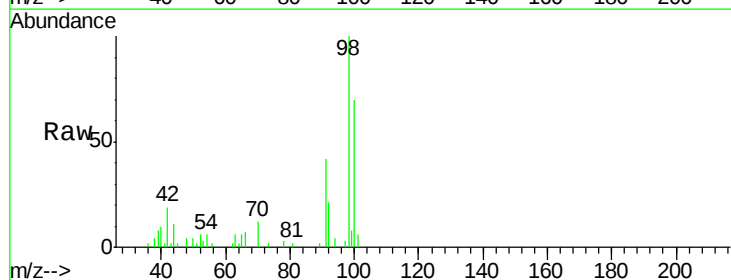
Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS2-3ME

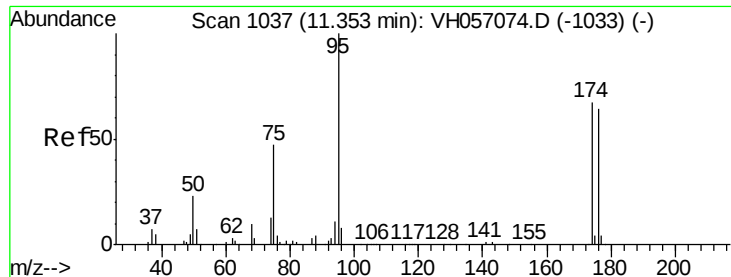
Tgt Ion: 43 Resp: 9228
 Ion Ratio Lower Upper
 43 100
 58 21.5 20.0 60.0



#50
 Toluene
 Concen: 0.22 ug/l
 RT: 7.57 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VH057115.D
 Acq: 22 Sep 2015 20:38

Tgt Ion: 92 Resp: 10288
 Ion Ratio Lower Upper
 92 100
 91 195.3 125.8 188.6#

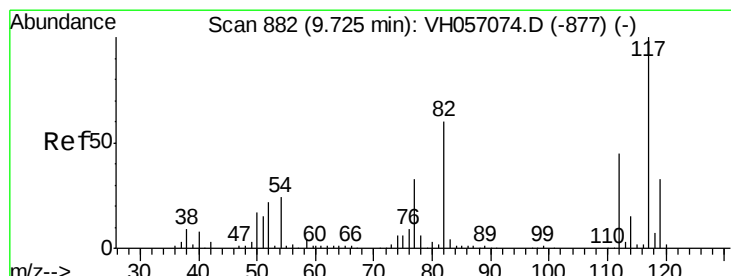
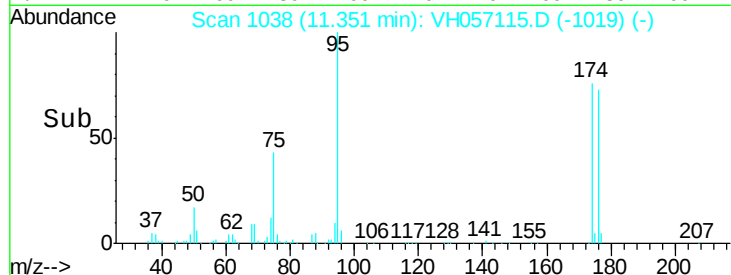
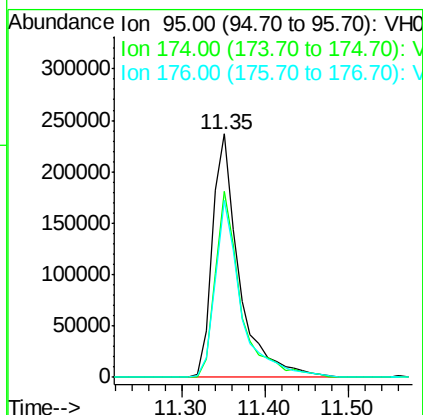
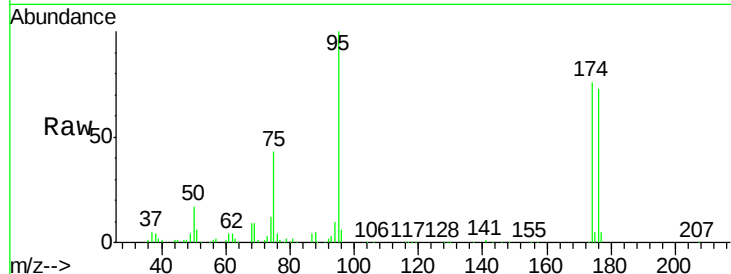




#62
4-Bromofluorobenzene
Concen: 24.30 ug/l
RT: 11.35 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VH057115.D
Acq: 22 Sep 2015 20:38

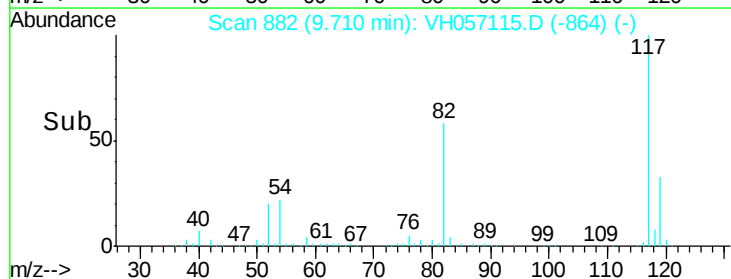
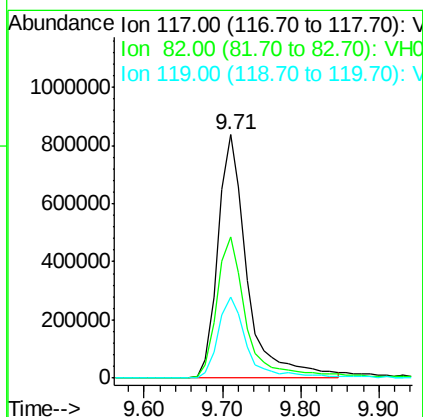
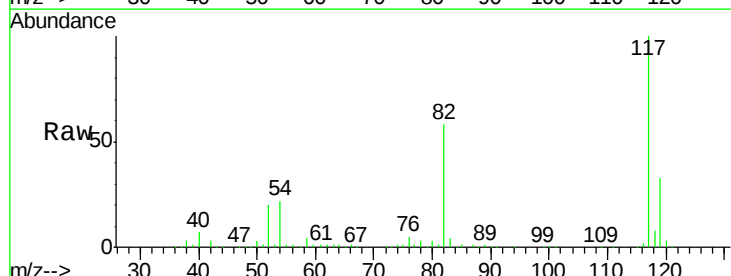
Instrument :
MSVOA_H
ClientSampleId :
ERD45-CS2-3ME

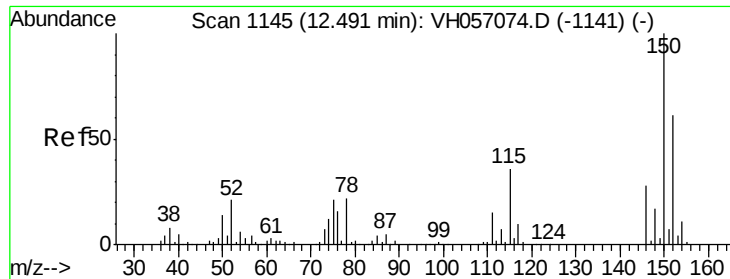
Tgt Ion: 95 Resp: 524645
Ion Ratio Lower Upper
95 100
174 76.2 58.4 87.6
176 72.8 54.3 81.5



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.71 min Scan# 882
Delta R.T. -0.02 min
Lab File: VH057115.D
Acq: 22 Sep 2015 20:38

Tgt Ion: 117 Resp: 2172119
Ion Ratio Lower Upper
117 100
82 58.0 51.0 76.6
119 33.3 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.48 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VH057115.D

Acq: 22 Sep 2015 20:38

Instrument :

MSVOA_H

ClientSampleId :

ERD45-CS2-3ME

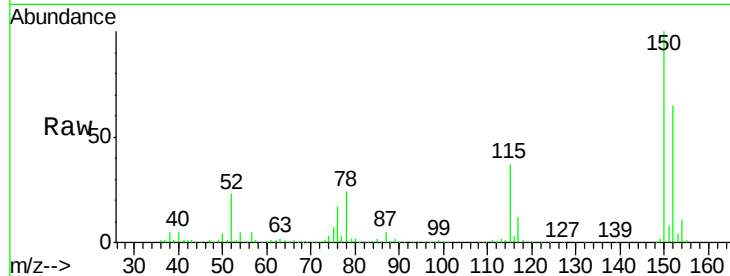
Tgt Ion:152 Resp: 667858

Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.6

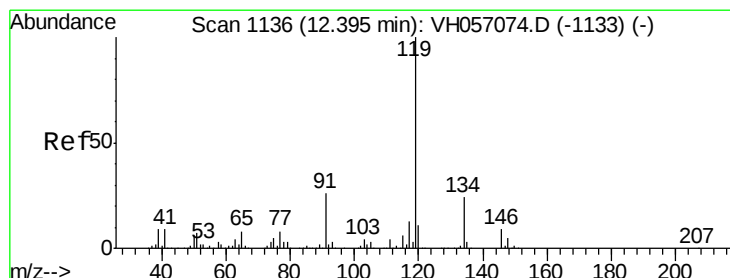
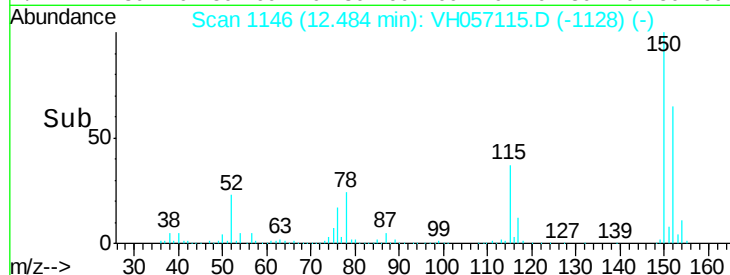
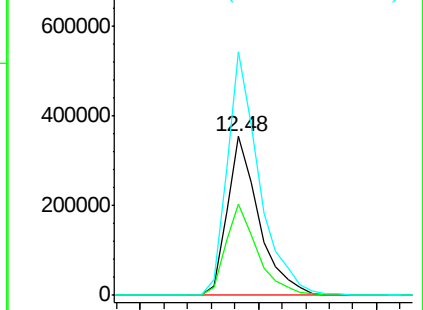
150 153.4 0.0 332.0



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



#86

p-Isopropyltoluene

Concen: 0.57 ug/l

RT: 12.40 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VH057115.D

Acq: 22 Sep 2015 20:38

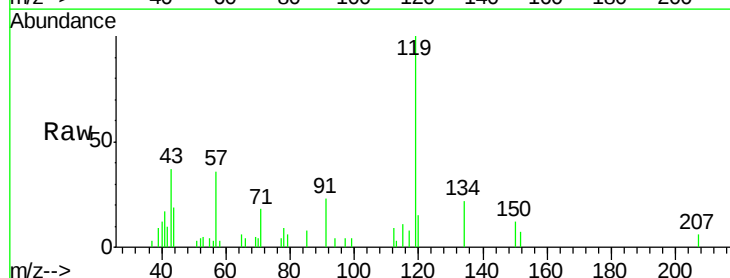
Tgt Ion:119 Resp: 17539

Ion Ratio Lower Upper

119 100

134 21.9 13.0 38.9

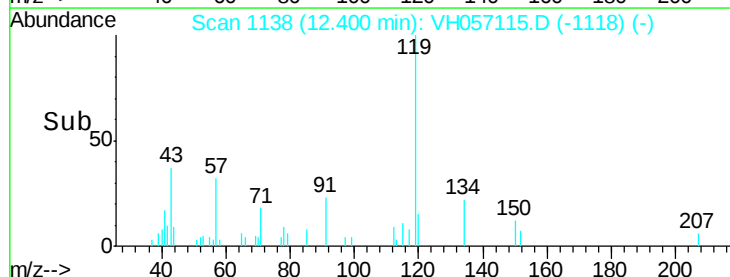
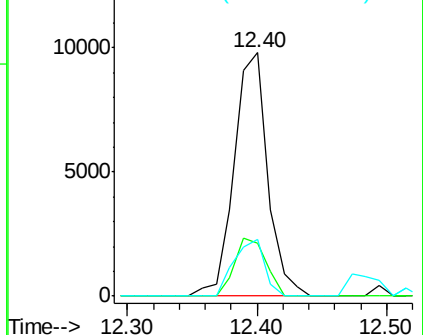
91 23.3 12.5 37.5

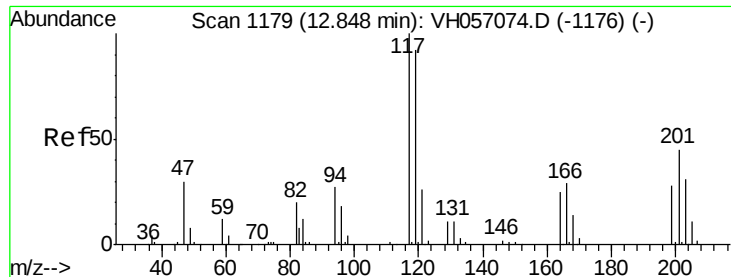


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

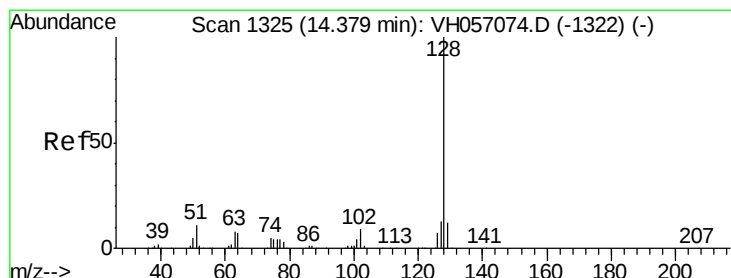
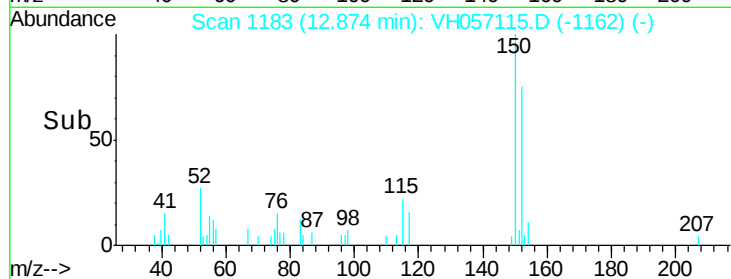
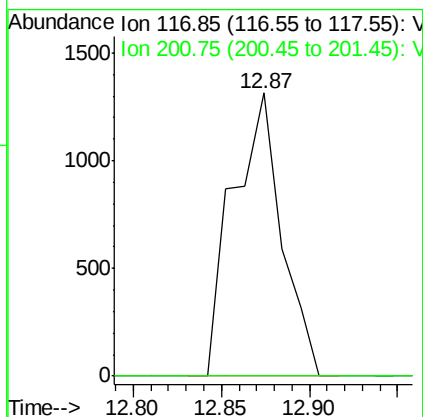
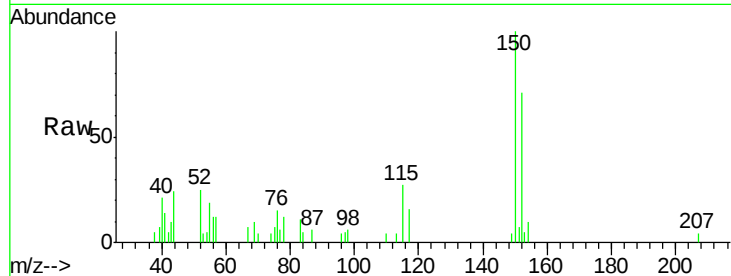




#90
Hexachloroethane
Concen: 0.39 ug/l
RT: 12.87 min Scan# 1183
Delta R.T. 0.03 min
Lab File: VH057115.D
Acq: 22 Sep 2015 20:38

Instrument :
MSVOA_H
ClientSampleId :
ERD45-CS2-3ME

Tgt Ion:117 Resp: 2523
Ion Ratio Lower Upper
117 100
201 0.0 14.0 80.8#



#95
Naphthalene
Concen: 4.99 ug/l
RT: 14.38 min Scan# 1326
Delta R.T. 0.01 min
Lab File: VH057115.D
Acq: 22 Sep 2015 20:38

Tgt Ion:128 Resp: 2601
Ion Ratio Lower Upper
128 100
127 0.0 9.6 14.4#
129 0.0 8.7 13.1#

