

Data Path : W:\HPCHEM1\MSVOA_H\DATA\XH092215\
 Data File : VH057114.D
 Acq On : 22 Sep 2015 20:11
 Operator : SY/FY
 Sample : G3712-06ME
 Misc : 5.01g/10mL//100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS4-3ME

Quant Time: Sep 23 04:39:49 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	4.84	168	764855	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.56	114	1342913	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.71	117	1046727	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.48	152	306119	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	259528	19.00	ug/l	0.00
Spiked Amount	50.000	Range	66 - 150	Recovery	=	38.00%#	
35) Dibromofluoromethane		4.08	113	218942	20.48	ug/l	0.00
Spiked Amount	50.000	Range	76 - 130	Recovery	=	40.96%#	
48) Toluene-d8		7.50	98	656553	21.35	ug/l	-0.02
Spiked Amount	50.000	Range	78 - 121	Recovery	=	42.70%#	
62) 4-Bromofluorobenzene		11.35	95	213533	20.59	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	41.18%#	

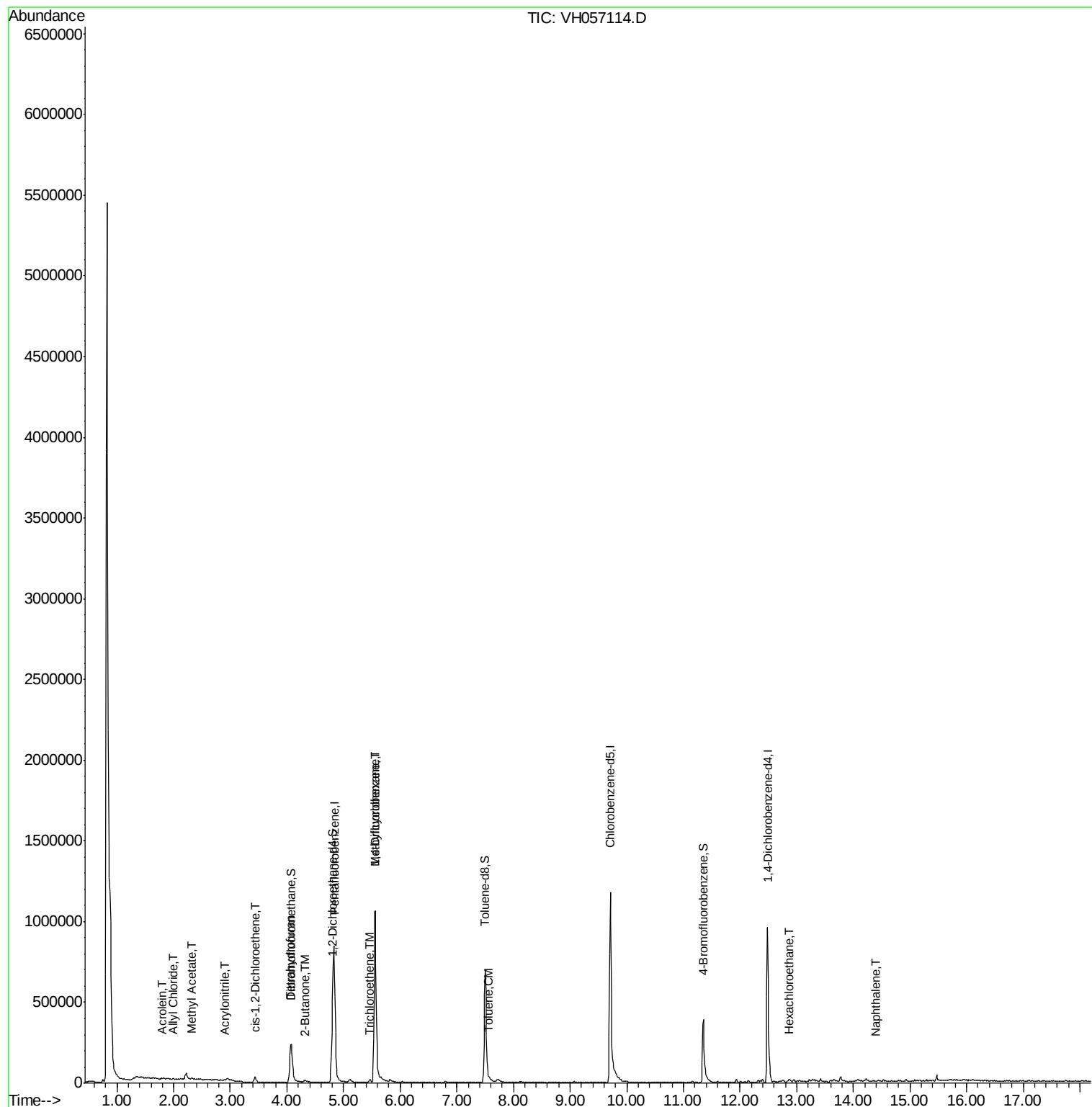
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.25	94	641	Below Cal	#	1
6) Chloroethane	1.33	64	578	Below Cal	#	1
13) Acrolein	1.80	56	1231	0.84	ug/l	88
15) Acrylonitrile	2.90	53	1266	0.28	ug/l	# 41
16) Allyl Chloride	1.99	41	3008	0.21	ug/l	82
17) Acetone	2.22	43	61562	Below Cal		96
19) Methyl Acetate	2.32	43	16034	0.45	ug/l	# 80
25) 2-Butanone	4.32	43	23037	1.82	ug/l	81
27) cis-1,2-Dichloroethene	3.43	96	23346	2.15	ug/l	87
31) Tetrahydrofuran	4.07	42	5213	0.73	ug/l	# 43
43) Trichloroethene	5.47	130	8289	0.93	ug/l	# 69
44) Methylcyclohexane	5.55	83	10063	1.18	ug/l	26
50) Toluene	7.56	92	6171	0.27	ug/l	89
90) Hexachloroethane	12.87	117	859	0.29	ug/l	# 29
95) Naphthalene	14.38	128	1690	5.05	ug/l	# 70

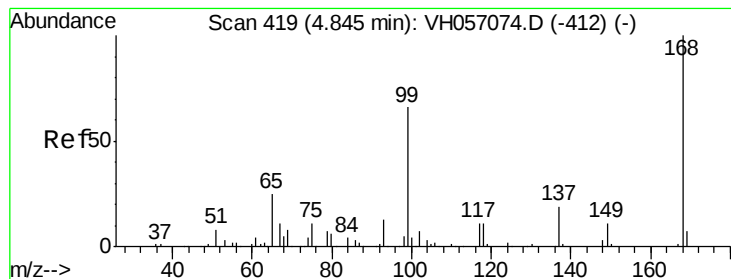
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.84 min Scan# 419

Delta R.T. -0.01 min

Lab File: VH057114.D

Acq: 22 Sep 2015 20:11

Instrument :

MSVOA_H

ClientSampleId :

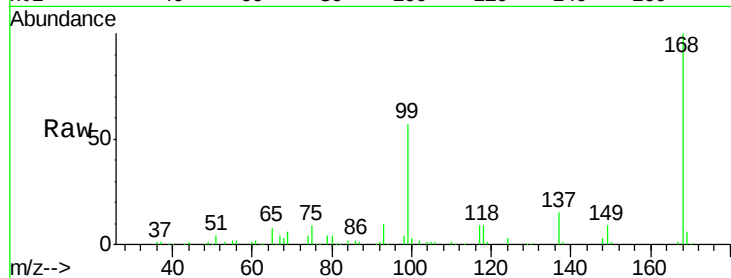
ERD45-CS4-3ME

Tgt Ion: 168 Resp: 764855

Ion Ratio Lower Upper

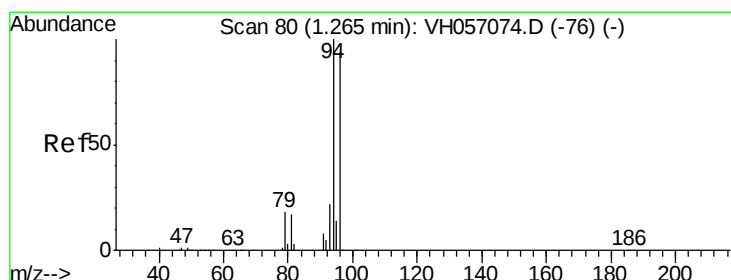
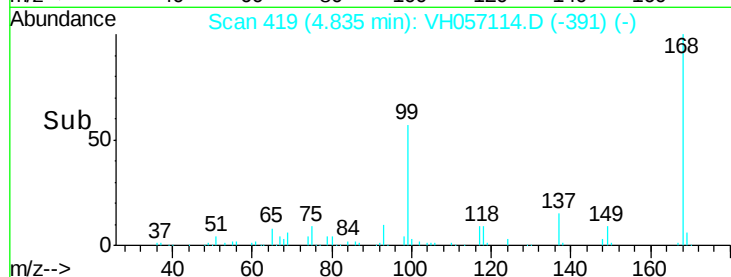
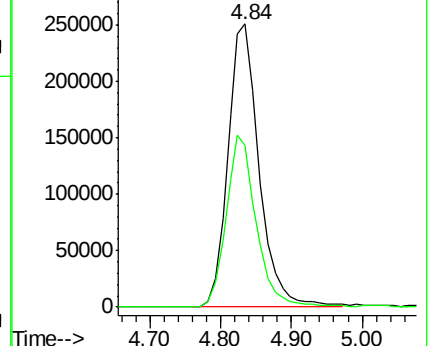
168 100

99 57.4 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: 1.25 min Scan# 79

Delta R.T. -0.01 min

Lab File: VH057114.D

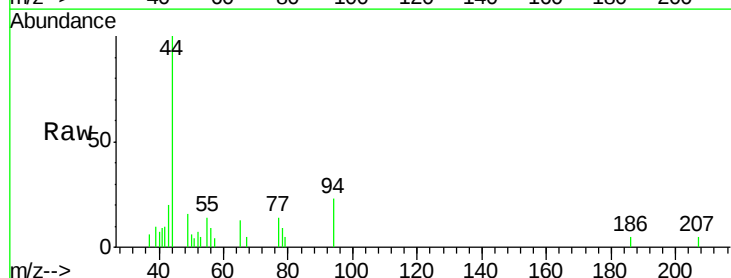
Acq: 22 Sep 2015 20:11

Tgt Ion: 94 Resp: 641

Ion Ratio Lower Upper

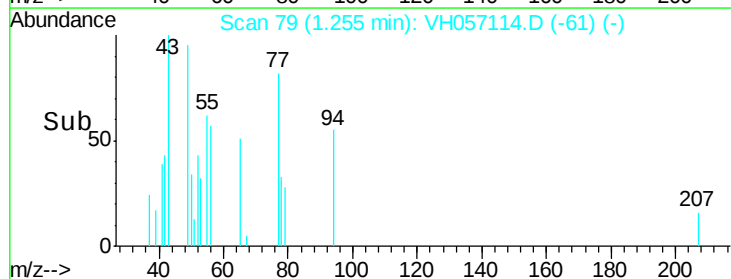
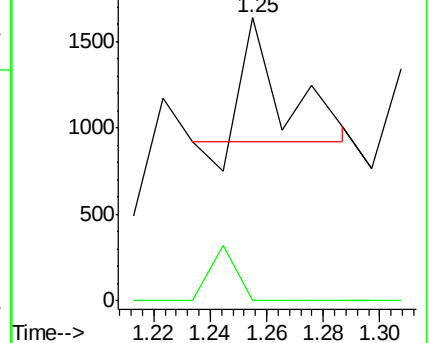
94 100

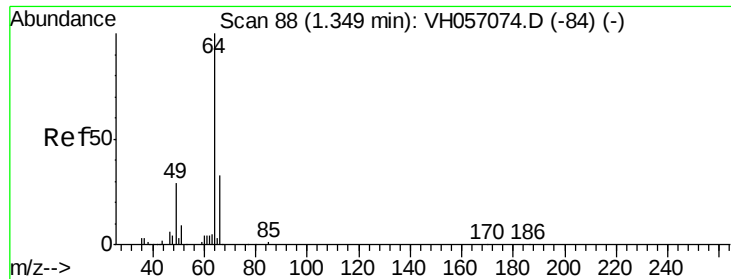
96 0.0 78.5 117.7#



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: 1.33 min Scan# 86

Delta R.T. -0.02 min

Lab File: VH057114.D

Acq: 22 Sep 2015 20:11

Instrument :

MSVOA_H

ClientSampleId :

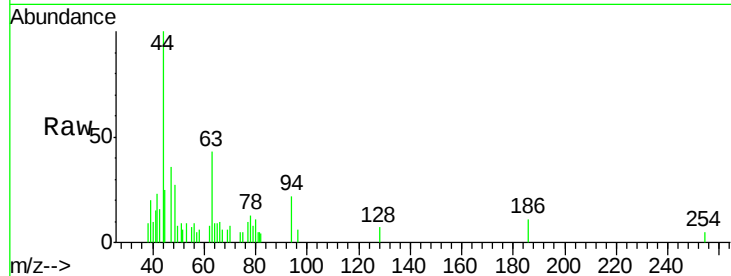
ERD45-CS4-3ME

Tgt Ion: 64 Resp: 578

Ion Ratio Lower Upper

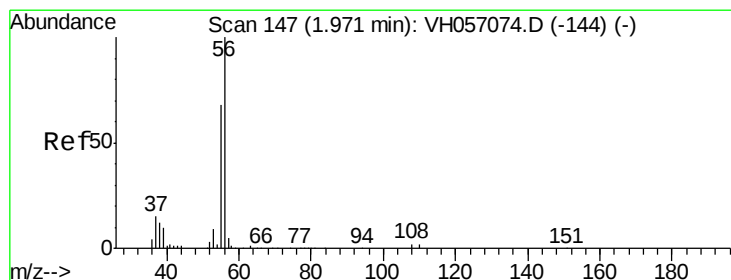
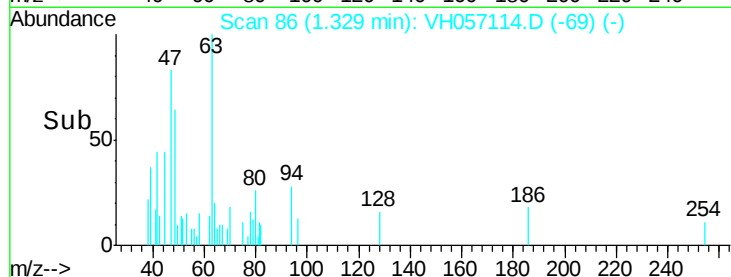
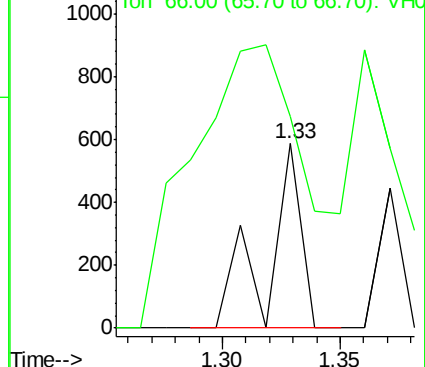
64 100

66 114.7 25.2 37.8#



Abundance Ion 64.00 (63.70 to 64.70): VH0

Ion 66.00 (65.70 to 66.70): VH0



#13

Acrolein

Concen: 0.84 ug/l

RT: 1.80 min Scan# 131

Delta R.T. -0.17 min

Lab File: VH057114.D

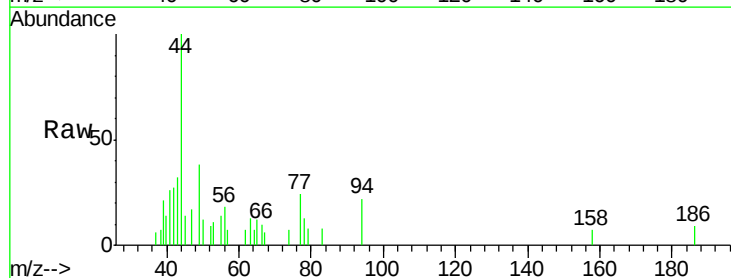
Acq: 22 Sep 2015 20:11

Tgt Ion: 56 Resp: 1231

Ion Ratio Lower Upper

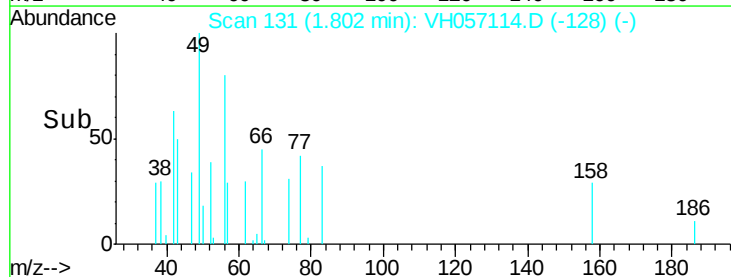
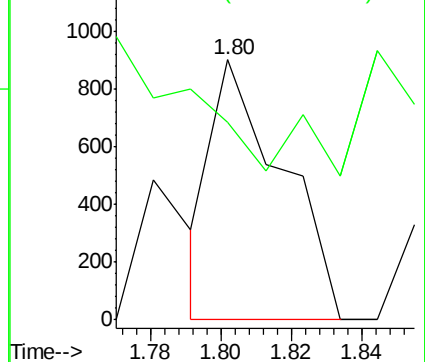
56 100

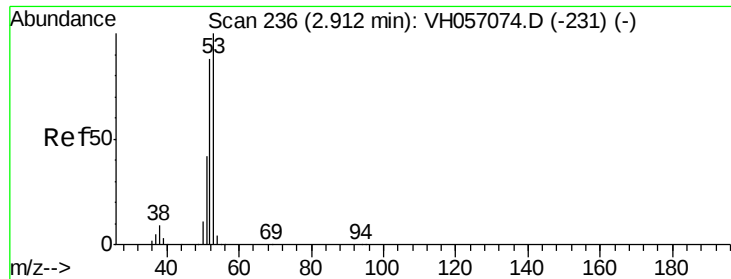
55 75.9 52.9 79.3



Abundance Ion 56.00 (55.70 to 56.70): VH0

Ion 55.00 (54.70 to 55.70): VH0





#15

Acrylonitrile

Concen: 0.28 ug/l

RT: 2.90 min Scan# 235

Delta R.T. -0.02 min

Lab File: VH057114.D

Acq: 22 Sep 2015 20:11

Instrument :

MSVOA_H

ClientSampleId :

ERD45-CS4-3ME

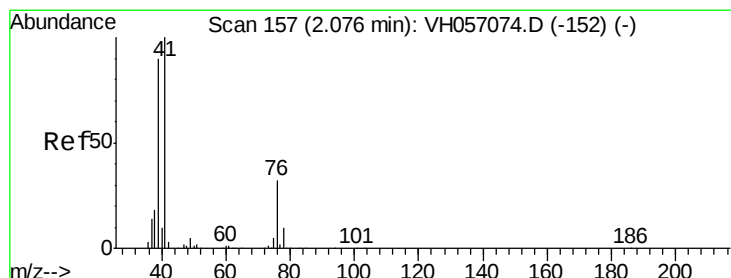
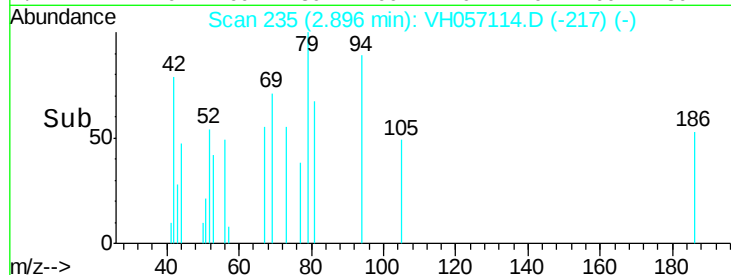
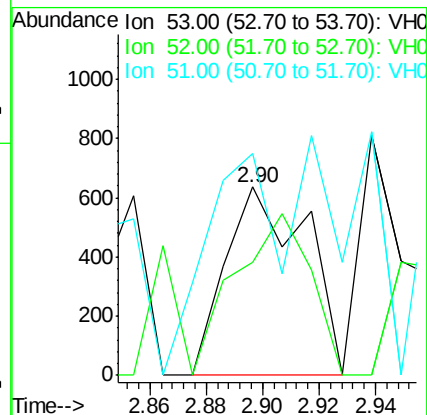
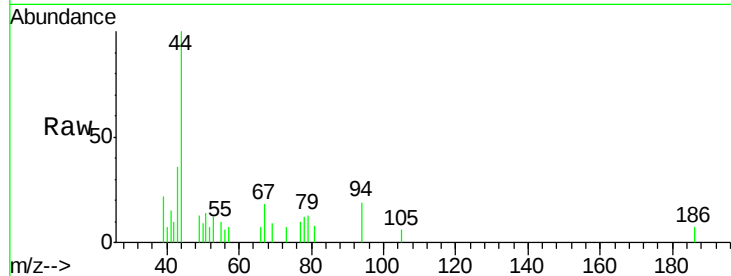
Tgt Ion: 53 Resp: 1266

Ion Ratio Lower Upper

53 100

52 59.7 67.6 101.4#

51 117.6 31.8 47.6#



#16

Allyl Chloride

Concen: 0.21 ug/l

RT: 1.99 min Scan# 149

Delta R.T. -0.09 min

Lab File: VH057114.D

Acq: 22 Sep 2015 20:11

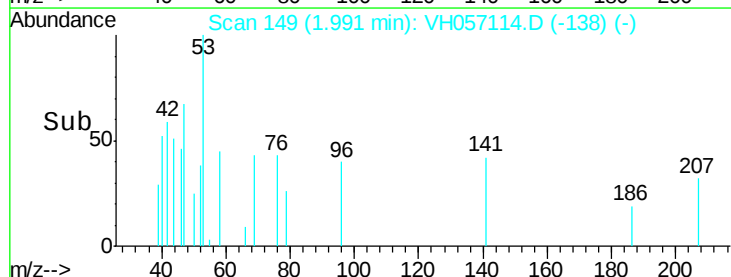
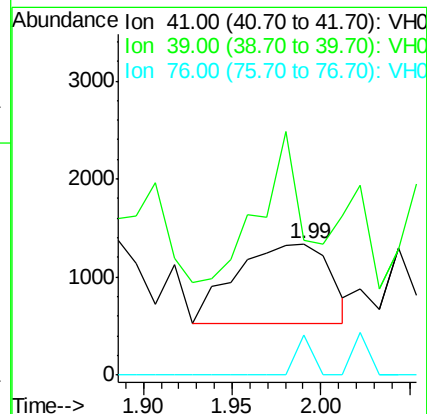
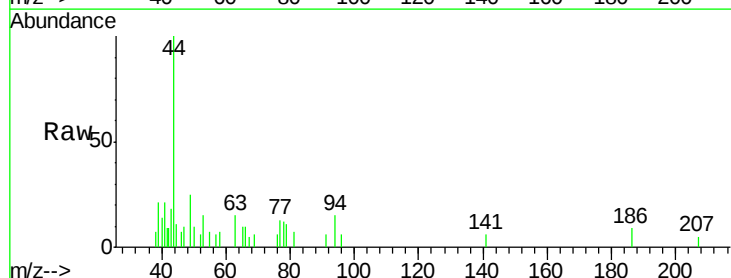
Tgt Ion: 41 Resp: 3008

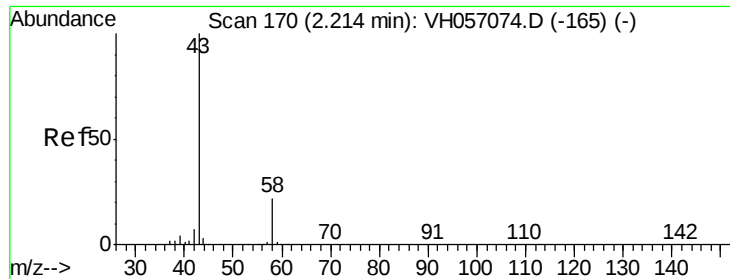
Ion Ratio Lower Upper

41 100

39 102.8 41.0 123.2

76 30.6 14.3 42.9





#17

Acetone

Concen: Below Cal

RT: 2.22 min Scan# 171

Delta R.T. 0.01 min

Lab File: VH057114.D

Acq: 22 Sep 2015 20:11

Instrument :

MSVOA_H

ClientSampleId :

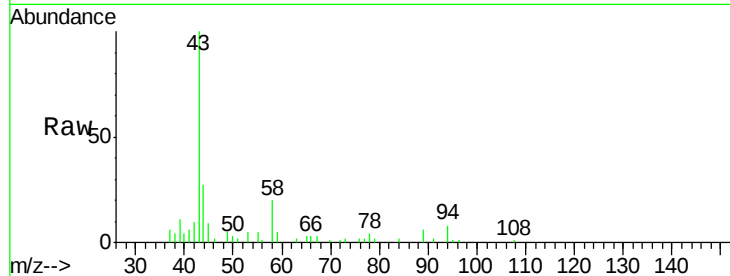
ERD45-CS4-3ME

Tgt Ion: 43 Resp: 61562

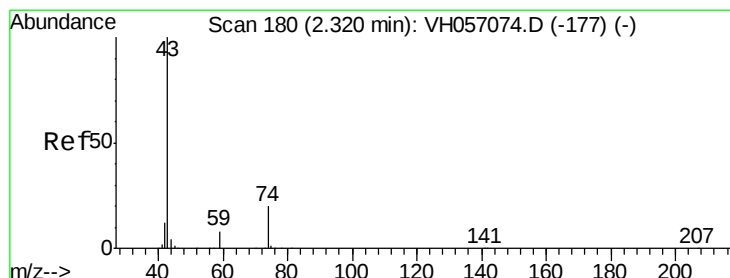
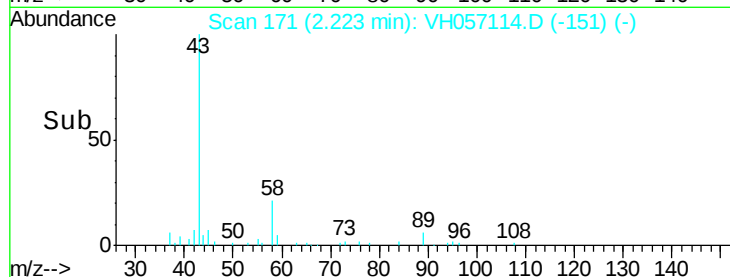
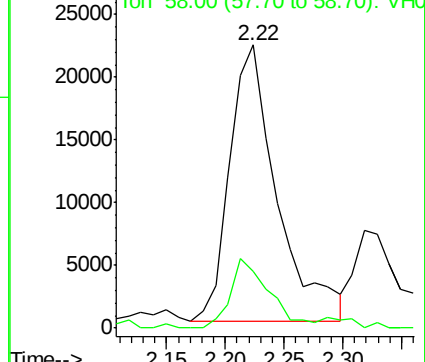
Ion Ratio Lower Upper

43 100

58 20.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VH057114.D (-171) (-)



#19

Methyl Acetate

Concen: 0.45 ug/l

RT: 2.32 min Scan# 180

Delta R.T. -0.00 min

Lab File: VH057114.D

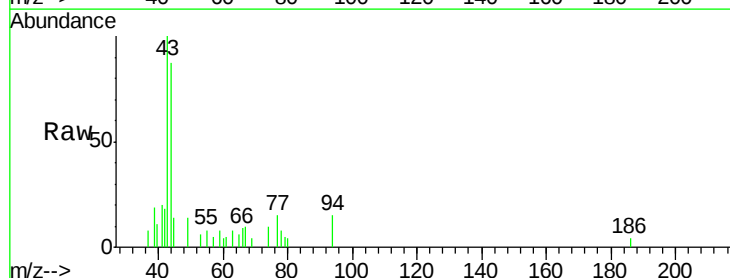
Acq: 22 Sep 2015 20:11

Tgt Ion: 43 Resp: 16034

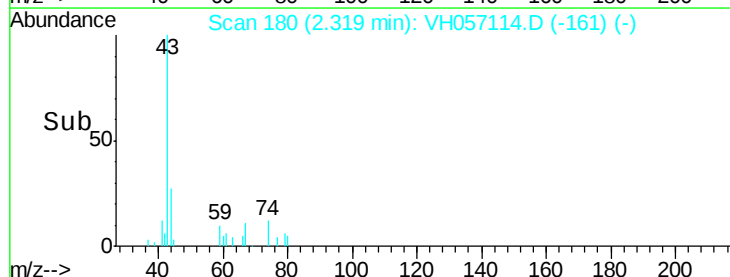
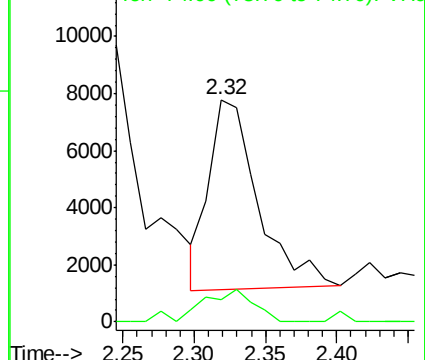
Ion Ratio Lower Upper

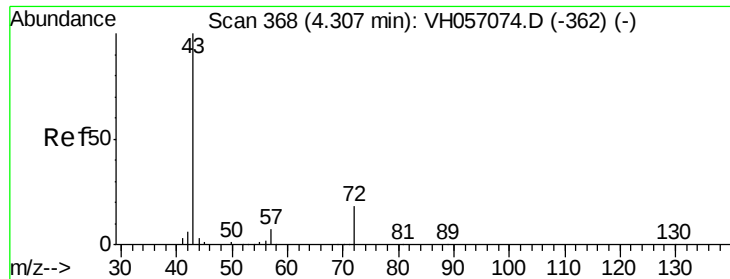
43 100

74 10.1 13.3 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VH057114.D (-161) (-)





#25

2-Butanone

Concen: 1.82 ug/l

RT: 4.32 min Scan# 370

Delta R.T. 0.01 min

Lab File: VH057114.D

Acq: 22 Sep 2015 20:11

Instrument :

MSVOA_H

ClientSampleId :

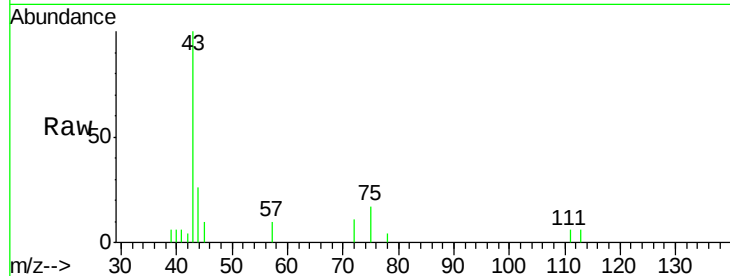
ERD45-CS4-3ME

Tgt Ion: 43 Resp: 23037

Ion Ratio Lower Upper

43 100

72 11.0 0.0 39.2



Abundance Ion 43.00 (42.70 to 43.70): VH057114.D (-370) (-)

Ion 72.00 (71.70 to 72.70): VH057114.D (-370) (-)

4.32

8000

6000

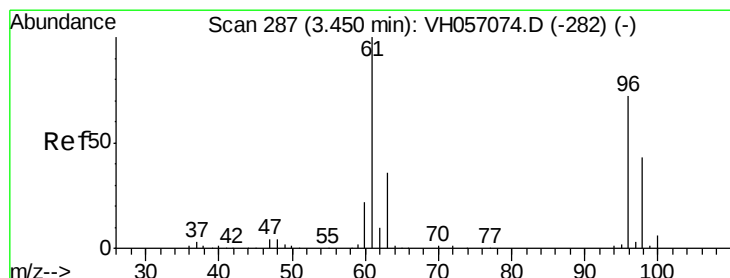
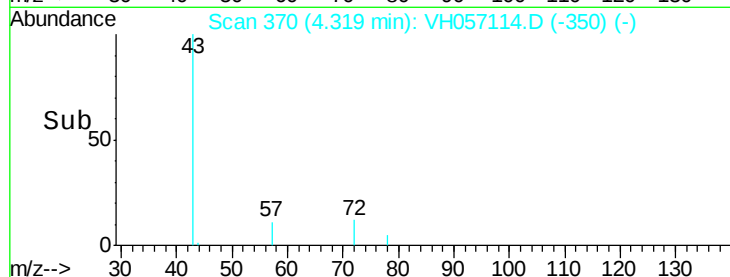
4000

2000

0

Time-->

4.25 4.30 4.35 4.40



#27

cis-1,2-Dichloroethene

Concen: 2.15 ug/l

RT: 3.43 min Scan# 286

Delta R.T. -0.02 min

Lab File: VH057114.D

Acq: 22 Sep 2015 20:11

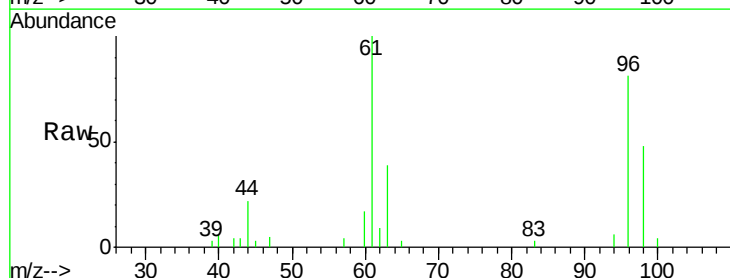
Tgt Ion: 96 Resp: 23346

Ion Ratio Lower Upper

96 100

61 123.3 115.4 173.0

98 59.6 49.7 74.5



Abundance Ion 96.00 (95.70 to 96.70): VH057114.D (-286) (-)

Ion 61.00 (60.70 to 61.70): VH057114.D (-286) (-)

Ion 98.00 (97.70 to 98.70): VH057114.D (-286) (-)

15000

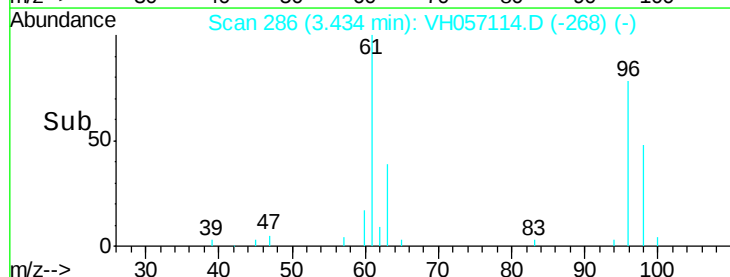
10000

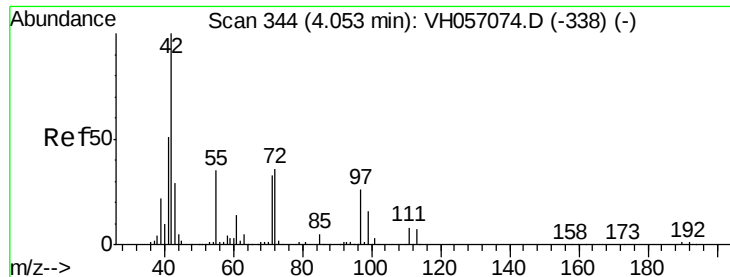
5000

0

Time-->

3.40 3.43 3.46 3.49

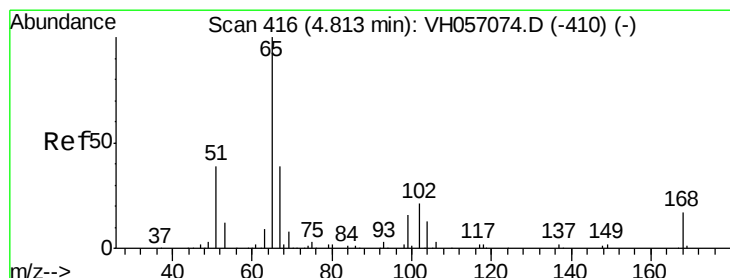
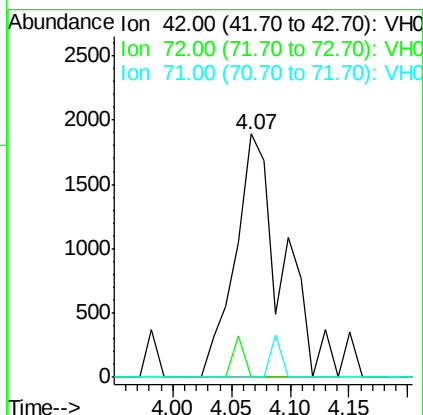
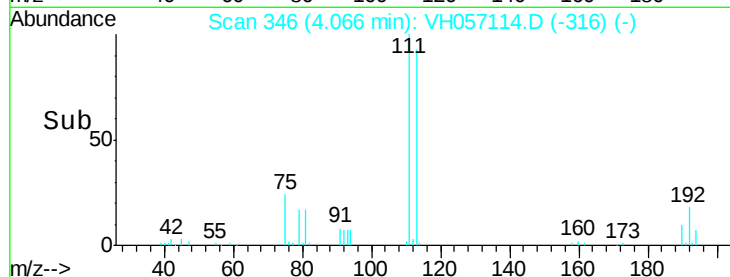
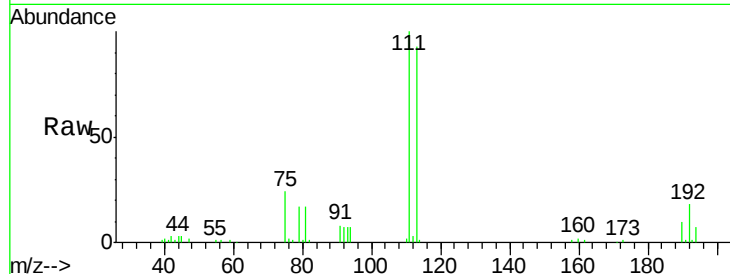




#31
Tetrahydrofuran
Concen: 0.73 ug/l
RT: 4.07 min Scan# 346
Delta R.T. 0.01 min
Lab File: VH057114.D
Acq: 22 Sep 2015 20:11

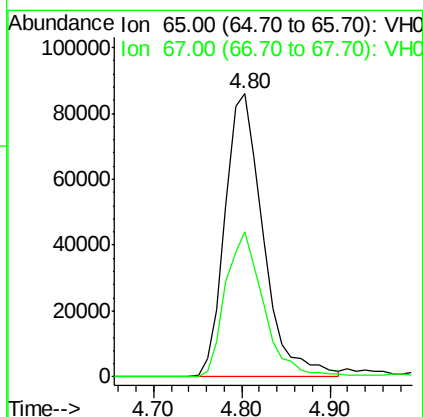
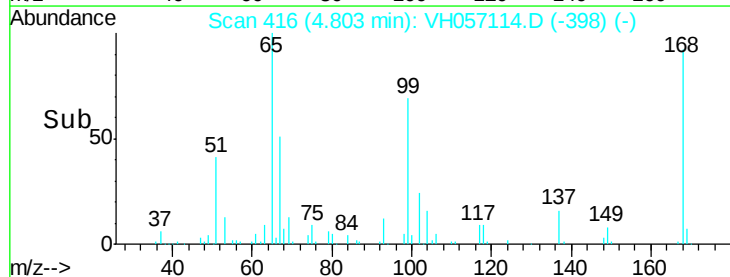
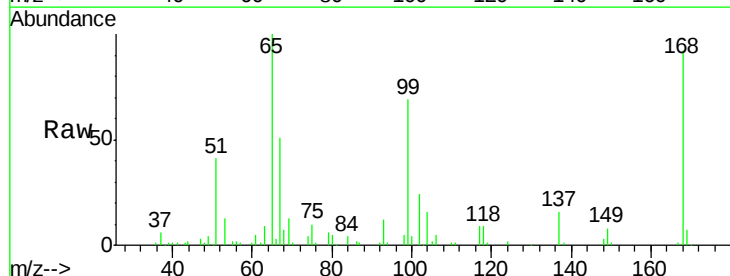
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ERD45-CS4-3ME

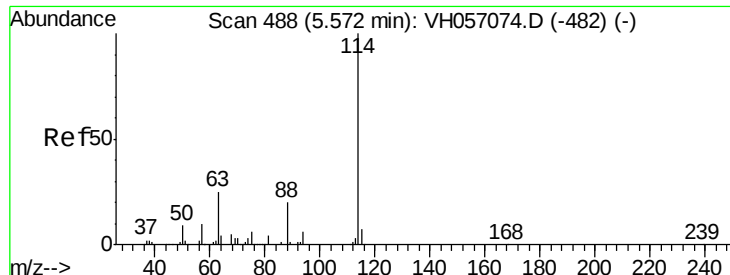
Tgt Ion: 42 Resp: 5213
Ion Ratio Lower Upper
42 100
72 0.0 25.5 38.3#
71 0.0 25.4 38.0#



#33
1,2-Dichloroethane-d4
Concen: 19.00 ug/l
RT: 4.80 min Scan# 416
Delta R.T. -0.01 min
Lab File: VH057114.D
Acq: 22 Sep 2015 20:11

Tgt Ion: 65 Resp: 259528
Ion Ratio Lower Upper
65 100
67 51.4 43.2 64.8

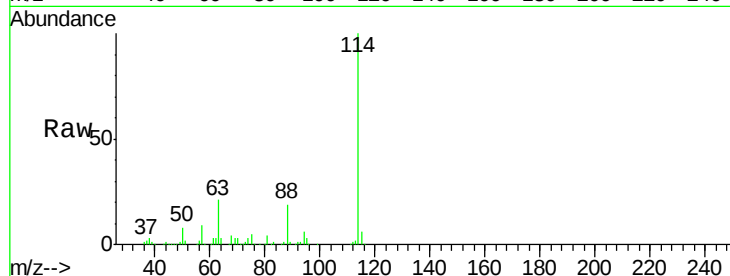




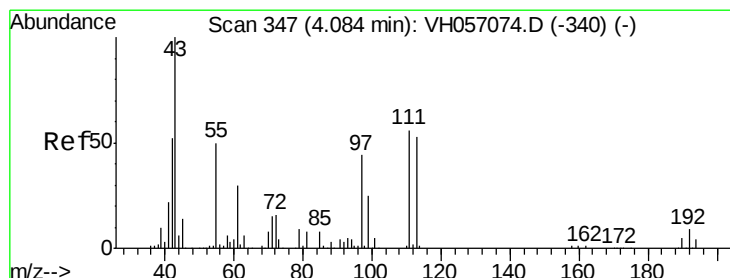
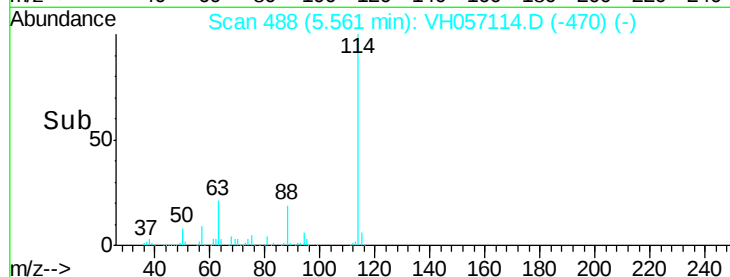
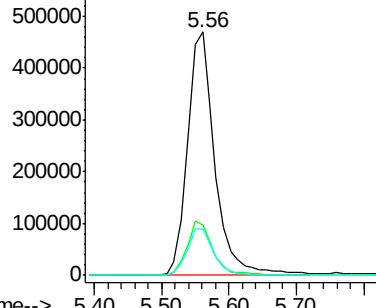
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.56 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VH057114.D
 Acq: 22 Sep 2015 20:11

Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS4-3ME

Tgt Ion:114 Resp: 1342913
 Ion Ratio Lower Upper
 114 100
 63 20.6 19.0 28.4
 88 18.9 15.7 23.5

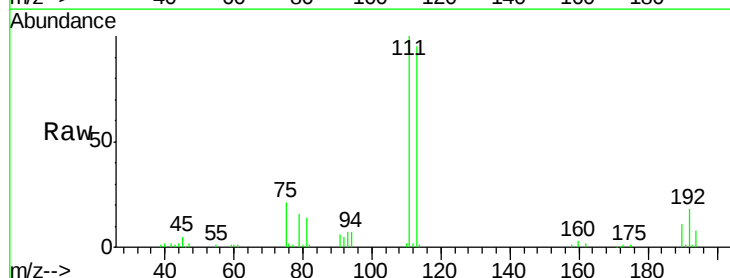


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 88.00 (87.70 to 88.70): V

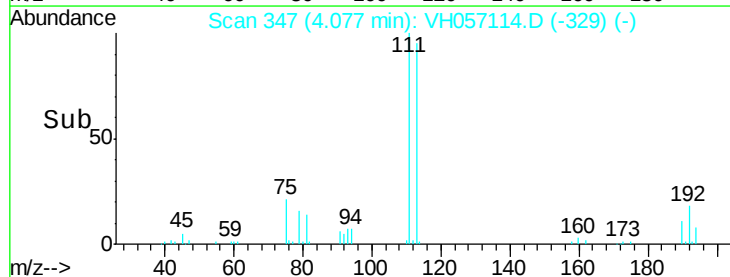
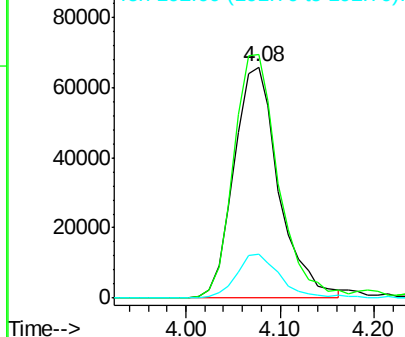


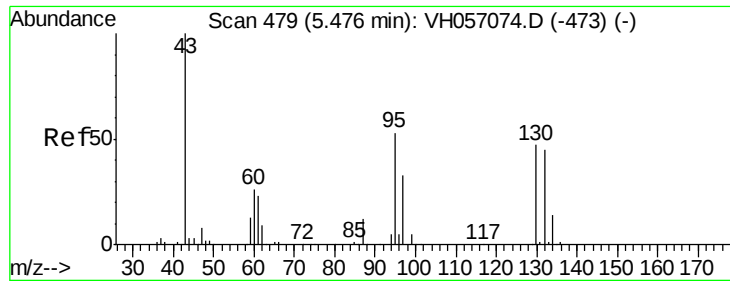
#35
 Dibromofluoromethane
 Concen: 20.48 ug/l
 RT: 4.08 min Scan# 347
 Delta R.T. -0.01 min
 Lab File: VH057114.D
 Acq: 22 Sep 2015 20:11

Tgt Ion:113 Resp: 218942
 Ion Ratio Lower Upper
 113 100
 111 105.3 84.0 126.0
 192 18.9 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

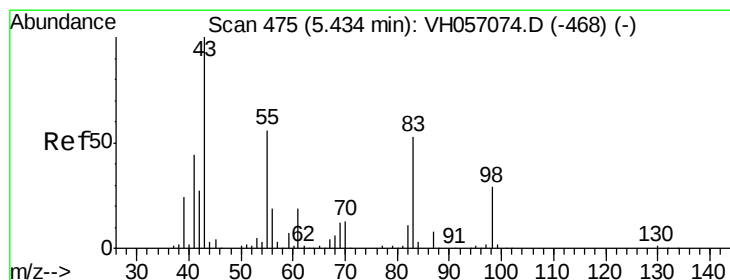
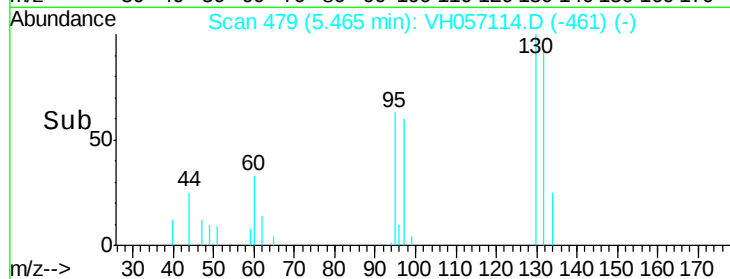
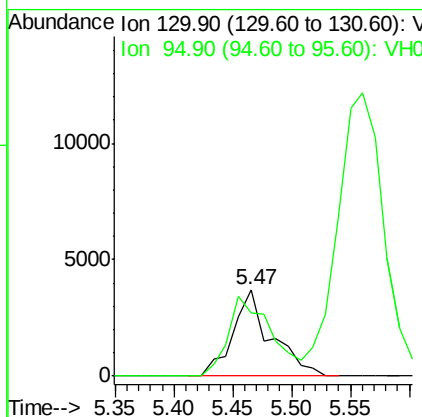
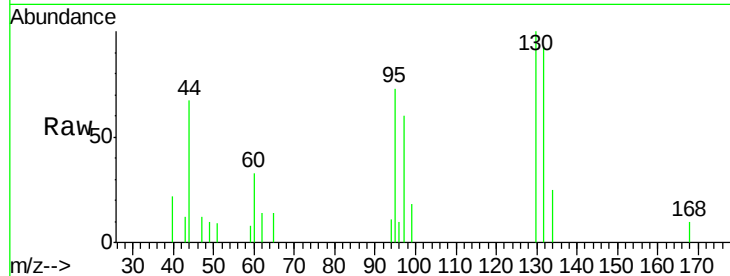




#43
 Trichloroethene
 Concen: 0.93 ug/l
 RT: 5.47 min Scan# 479
 Delta R.T. -0.01 min
 Lab File: VH057114.D
 Acq: 22 Sep 2015 20:11

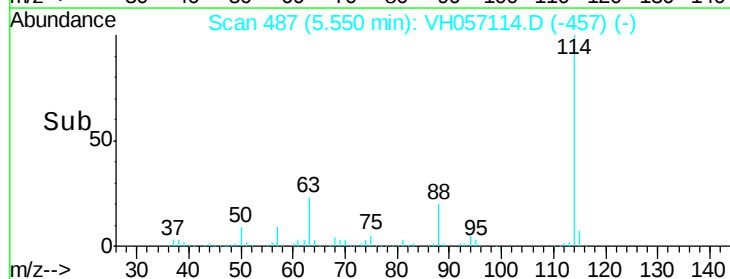
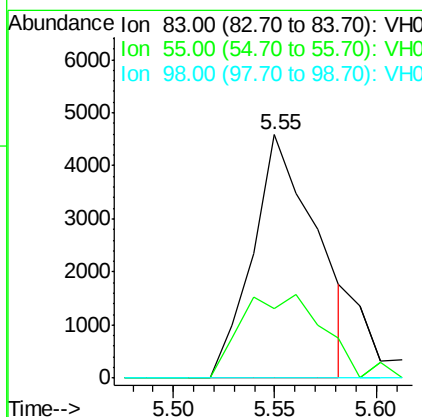
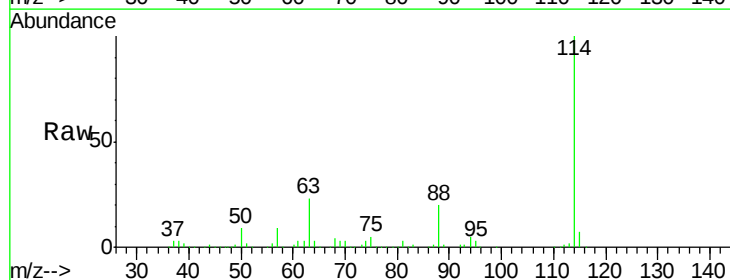
Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS4-3ME

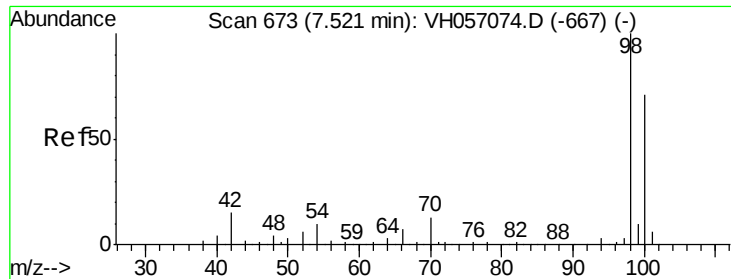
Tgt Ion:130 Resp: 8289
 Ion Ratio Lower Upper
 130 100
 95 73.1 84.0 126.0#



#44
 Methylcyclohexane
 Concen: 1.18 ug/l
 RT: 5.55 min Scan# 487
 Delta R.T. 0.12 min
 Lab File: VH057114.D
 Acq: 22 Sep 2015 20:11

Tgt Ion: 83 Resp: 10063
 Ion Ratio Lower Upper
 83 100
 55 28.7 0.0 207.2
 98 0.0 0.0 108.4

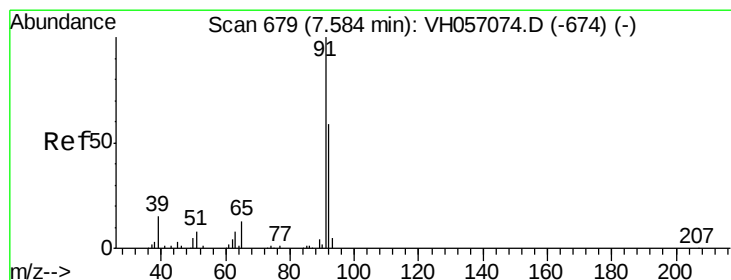
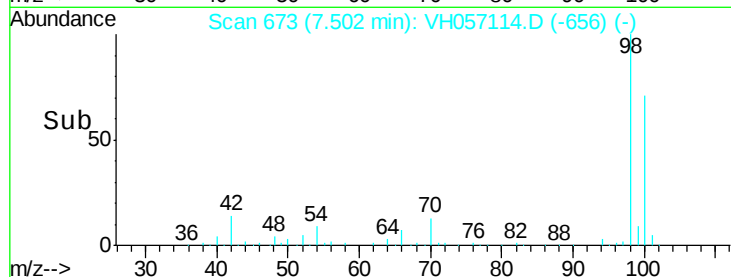
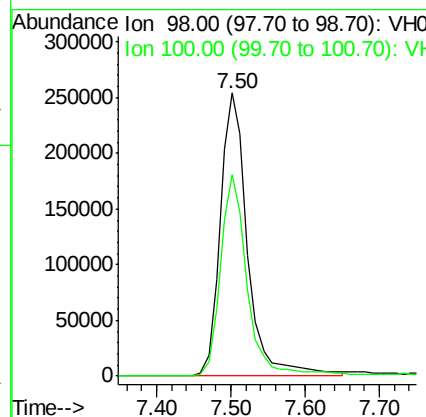
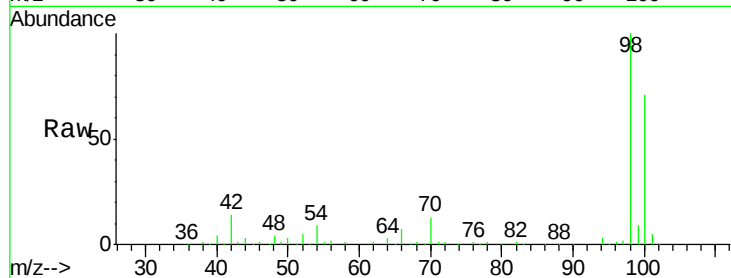




#48
Toluene-d8
Concen: 21.35 ug/l
RT: 7.50 min Scan# 673
Delta R.T. -0.02 min
Lab File: VH057114.D
Acq: 22 Sep 2015 20:11

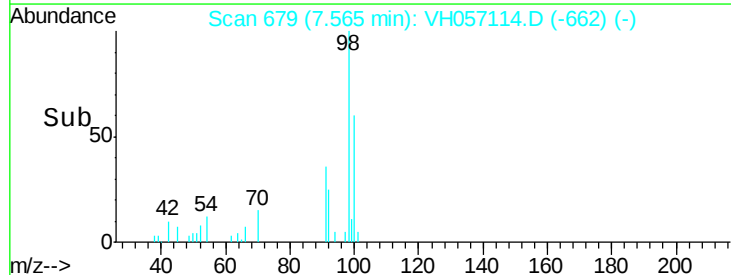
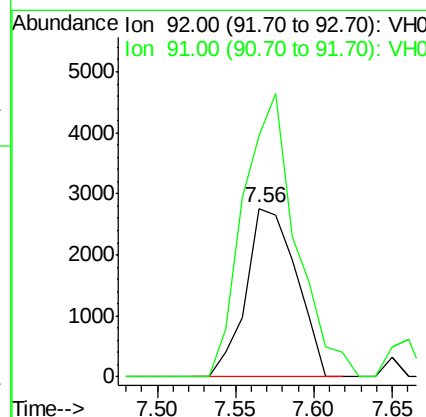
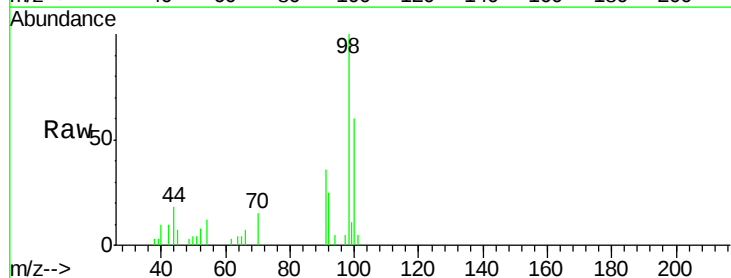
Instrument :
MSVOA_H
ClientSampleId :
ERD45-CS4-3ME

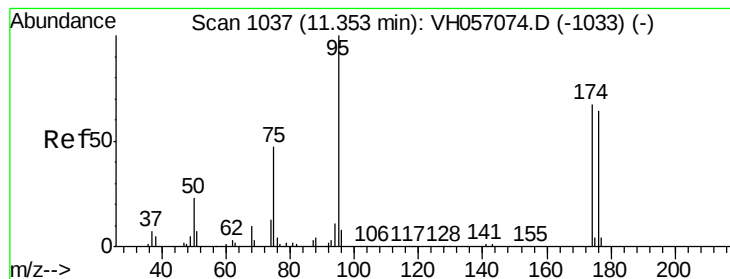
Tgt Ion: 98 Resp: 656553
Ion Ratio Lower Upper
98 100
100 71.1 56.7 85.1



#50
Toluene
Concen: 0.27 ug/l
RT: 7.56 min Scan# 679
Delta R.T. -0.02 min
Lab File: VH057114.D
Acq: 22 Sep 2015 20:11

Tgt Ion: 92 Resp: 6171
Ion Ratio Lower Upper
92 100
91 143.1 125.8 188.6





#62

4-Bromofluorobenzene

Concen: 20.59 ug/l

RT: 11.35 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VH057114.D

Acq: 22 Sep 2015 20:11

Instrument :

MSVOA_H

ClientSampleId :

ERD45-CS4-3ME

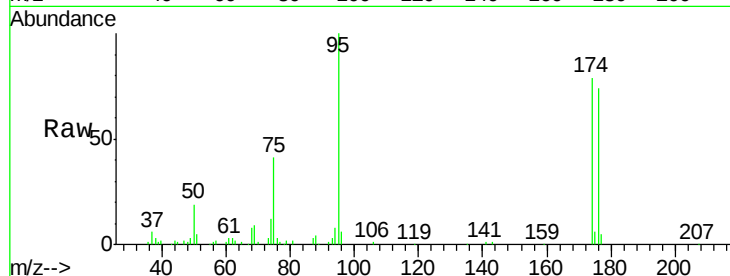
Tgt Ion: 95 Resp: 213533

Ion Ratio Lower Upper

95 100

174 78.8 58.4 87.6

176 74.0 54.3 81.5

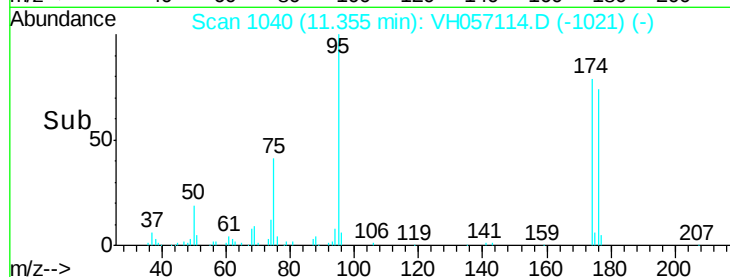


Abundance Ion 95.00 (94.70 to 95.70): VH057114.D (-1033) (-)

Ion 174.00 (173.70 to 174.70): VH057114.D (-1033) (-)

Ion 176.00 (175.70 to 176.70): VH057114.D (-1033) (-)

Time-->



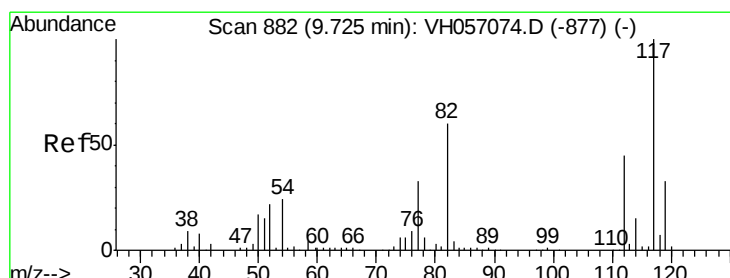
Abundance

Ion 95.00 (94.70 to 95.70): VH057114.D (-1021) (-)

Ion 174.00 (173.70 to 174.70): VH057114.D (-1021) (-)

Ion 176.00 (175.70 to 176.70): VH057114.D (-1021) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 883

Delta R.T. -0.02 min

Lab File: VH057114.D

Acq: 22 Sep 2015 20:11

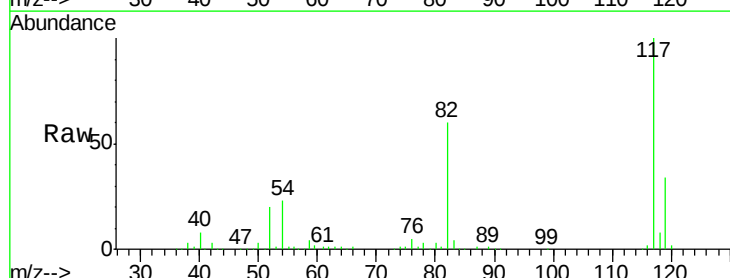
Tgt Ion: 117 Resp: 1046727

Ion Ratio Lower Upper

117 100

82 59.6 51.0 76.6

119 33.7 26.7 40.1

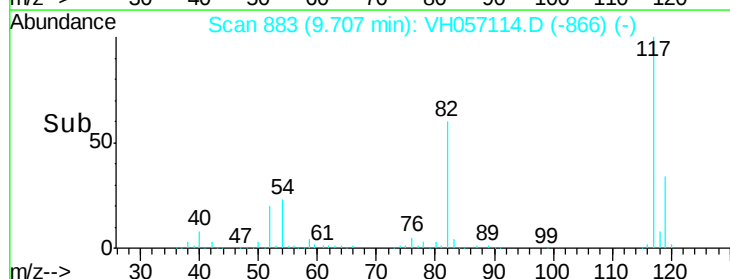


Abundance Ion 117.00 (116.70 to 117.70): VH057114.D (-877) (-)

Ion 82.00 (81.70 to 82.70): VH057114.D (-877) (-)

Ion 119.00 (118.70 to 119.70): VH057114.D (-877) (-)

Time-->



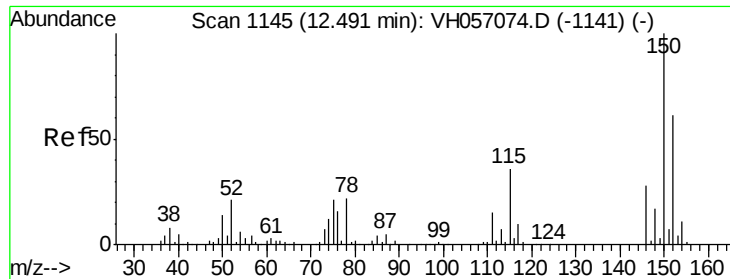
Abundance

Ion 117.00 (116.70 to 117.70): VH057114.D (-866) (-)

Ion 82.00 (81.70 to 82.70): VH057114.D (-866) (-)

Ion 119.00 (118.70 to 119.70): VH057114.D (-866) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.48 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VH057114.D

Acq: 22 Sep 2015 20:11

Instrument :

MSVOA_H

ClientSampleId :

ERD45-CS4-3ME

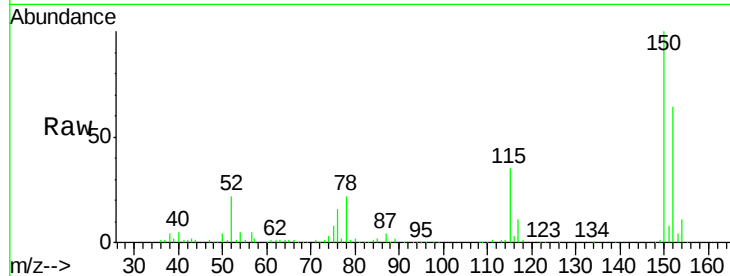
Tgt Ion:152 Resp: 306119

Ion Ratio Lower Upper

152 100

115 54.6 28.2 84.6

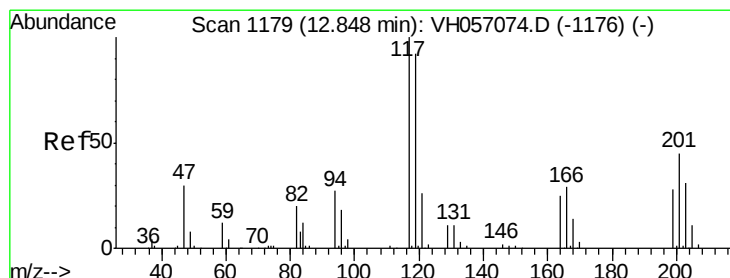
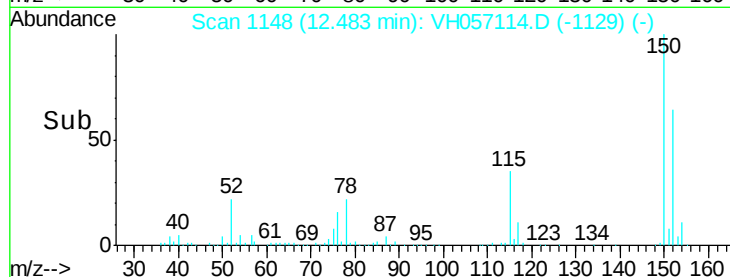
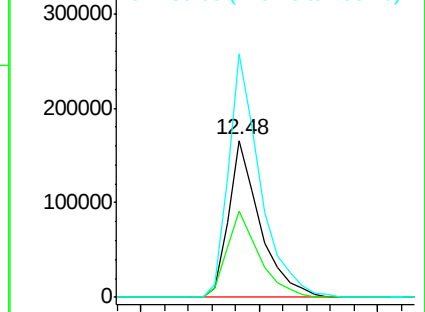
150 155.1 0.0 332.0



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



#90

Hexachloroethane

Concen: 0.29 ug/l

RT: 12.87 min Scan# 1185

Delta R.T. 0.03 min

Lab File: VH057114.D

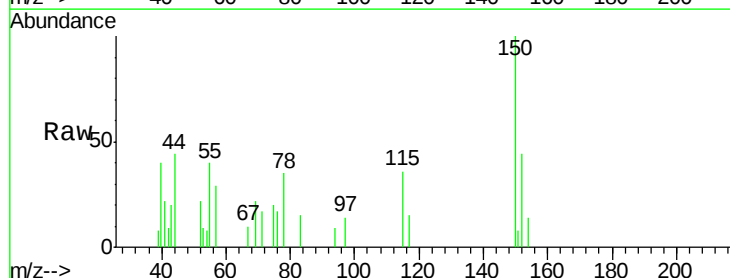
Acq: 22 Sep 2015 20:11

Tgt Ion:117 Resp: 859

Ion Ratio Lower Upper

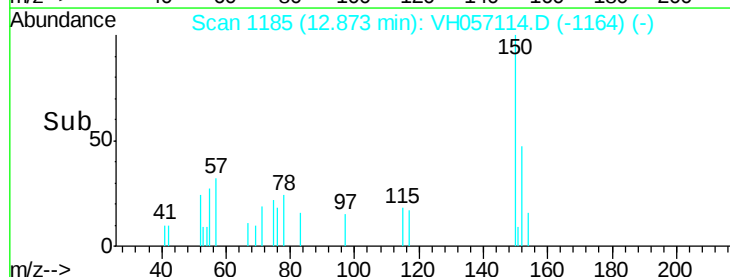
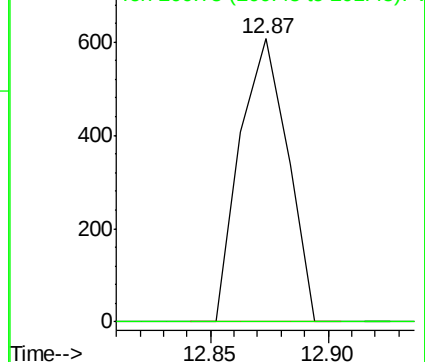
117 100

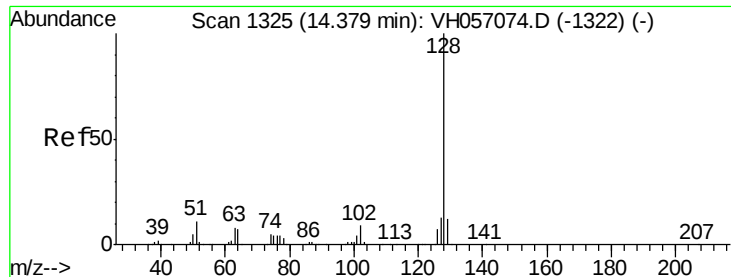
201 0.0 14.0 80.8#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#95

Naphthalene

Concen: 5.05 ug/l

RT: 14.38 min Scan# 1328

Delta R.T. -0.00 min

Lab File: VH057114.D

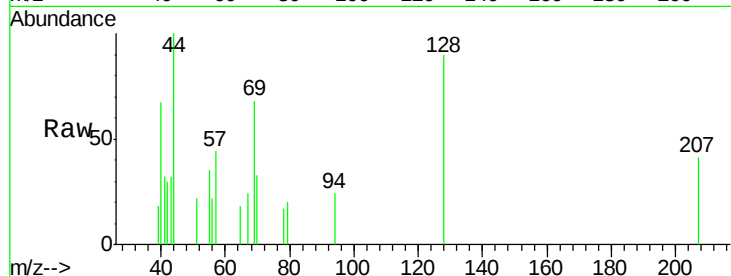
Acq: 22 Sep 2015 20:11

Instrument :

MSVOA_H

ClientSampleId :

ERD45-CS4-3ME



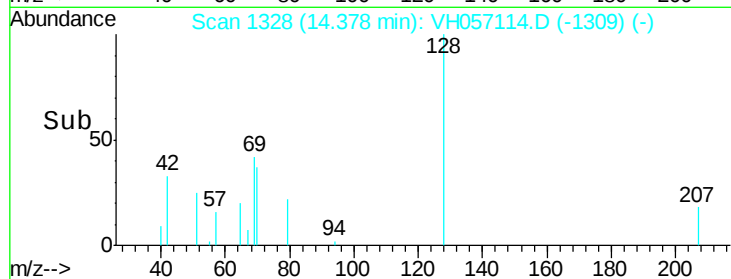
Tgt Ion:128 Resp: 1690

Ion Ratio Lower Upper

128 100

127 0.0 9.6 14.4#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

