

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
 Data File : VH057107.D
 Acq On : 22 Sep 2015 16:26
 Operator : SY/FY
 Sample : G3767-04ME
 Misc : 5.00g/10mL//100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS8-3ME

Quant Time: Sep 23 04:38:17 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	945779	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.56	114	1667952	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.71	117	1328482	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.48	152	404770	50.00	ug/l	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		4.80	65	712388	42.18	ug/l	-0.01
Spiked Amount	50.000	Range	66 - 150	Recovery	=	84.36%	
35) Dibromofluoromethane		4.07	113	663043	49.93	ug/l	-0.02
Spiked Amount	50.000	Range	76 - 130	Recovery	=	99.86%	
48) Toluene-d8		7.50	98	1901050	49.78	ug/l	-0.02
Spiked Amount	50.000	Range	78 - 121	Recovery	=	99.56%	
62) 4-Bromofluorobenzene		11.35	95	645752	50.14	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	100.28%	

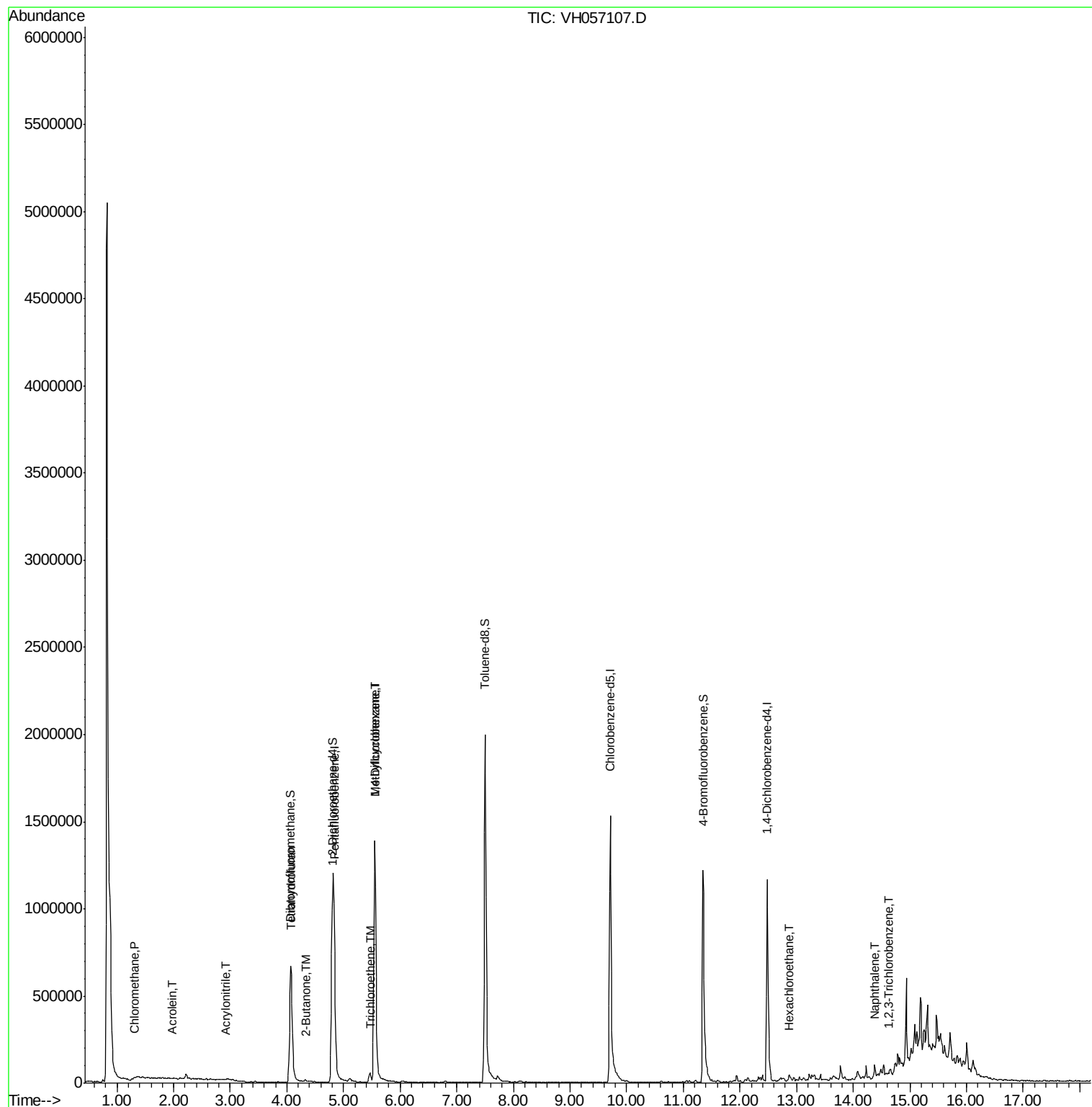
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3379	0.22	ug/l	94
5) Bromomethane	1.26	94	2373	Below Cal	#	1
6) Chloroethane	1.36	64	997	Below Cal	#	65
13) Acrolein	1.97	56	1419	0.78	ug/l	# 36
15) Acrylonitrile	2.92	53	1994	0.36	ug/l	# 26
17) Acetone	2.22	43	33055	Below Cal		91
25) 2-Butanone	4.33	43	15785	1.01	ug/l	97
31) Tetrahydrofuran	4.08	42	5612	0.64	ug/l	# 58
43) Trichloroethene	5.47	130	26128	2.36	ug/l	88
44) Methylcyclohexane	5.56	83	11779	1.12	ug/l	29
90) Hexachloroethane	12.86	117	933	0.24	ug/l	# 29
95) Naphthalene	14.38	128	51522	9.38	ug/l	96
96) 1,2,3-Trichlorobenzene	14.63	180	898	6.26	ug/l	# 1

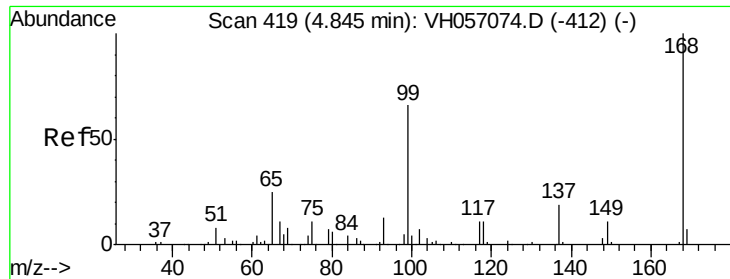
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VH057107.D

Acq: 22 Sep 2015 16:26

Instrument :

MSVOA_H

ClientSampleId :

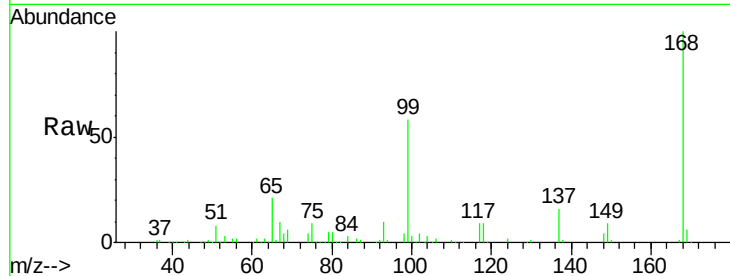
ERD45-CS8-3ME

Tgt Ion:168 Resp: 945779

Ion Ratio Lower Upper

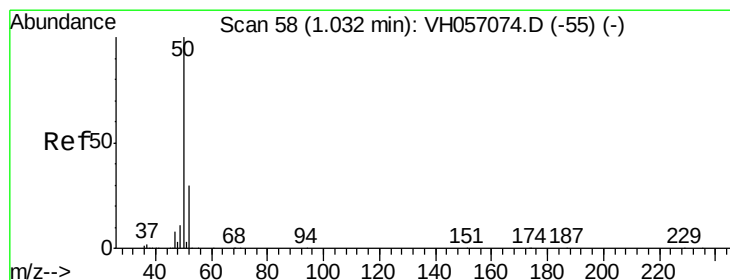
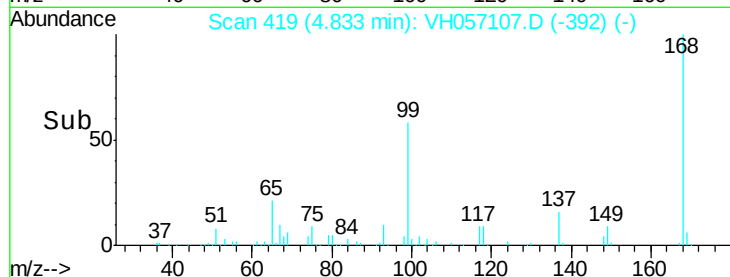
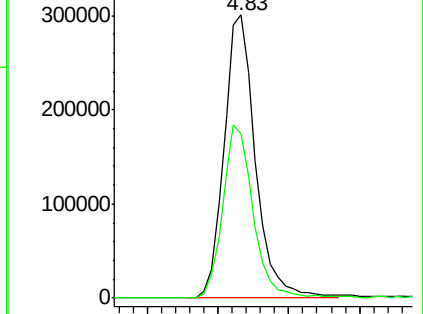
168 100

99 58.2 55.8 83.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VH0



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.31 min Scan# 84

Delta R.T. 0.28 min

Lab File: VH057107.D

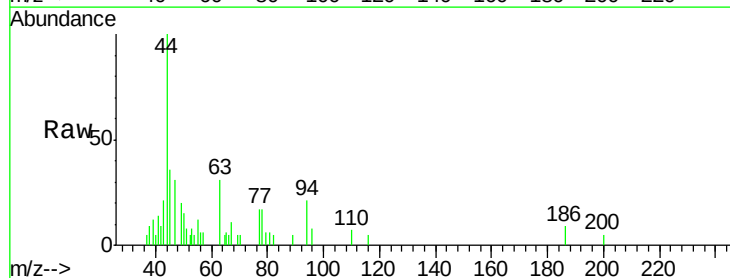
Acq: 22 Sep 2015 16:26

Tgt Ion: 50 Resp: 3379

Ion Ratio Lower Upper

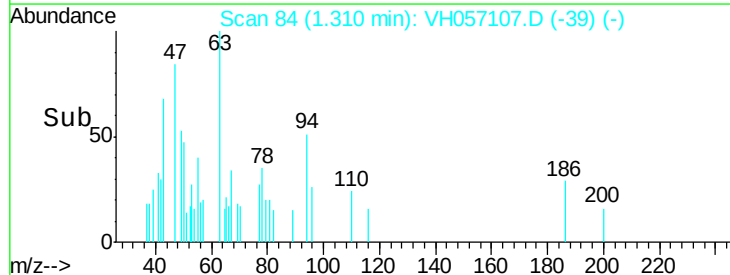
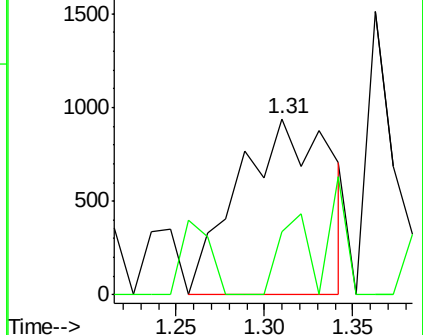
50 100

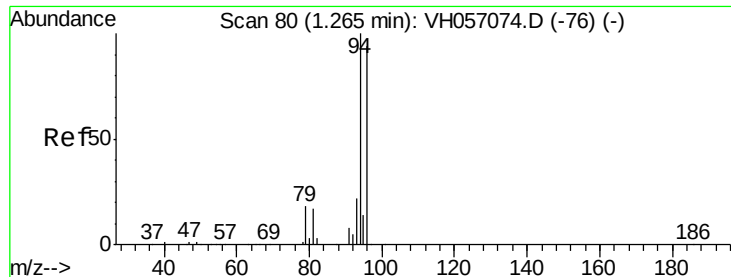
52 35.9 25.8 38.8



Abundance Ion 50.00 (49.70 to 50.70): VH0

Ion 52.00 (51.70 to 52.70): VH0





#5

Bromomethane

Concen: Below Cal

RT: 1.26 min Scan# 79

Delta R.T. -0.01 min

Lab File: VH057107.D

Acq: 22 Sep 2015 16:26

Instrument :

MSVOA_H

ClientSampleId :

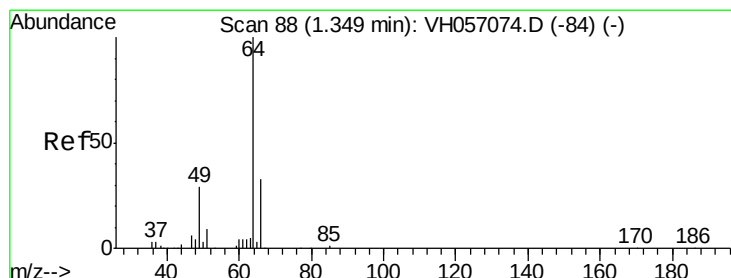
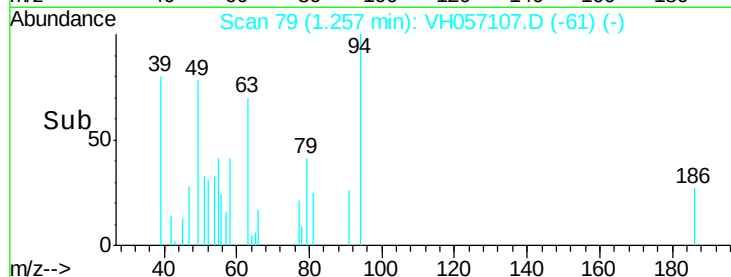
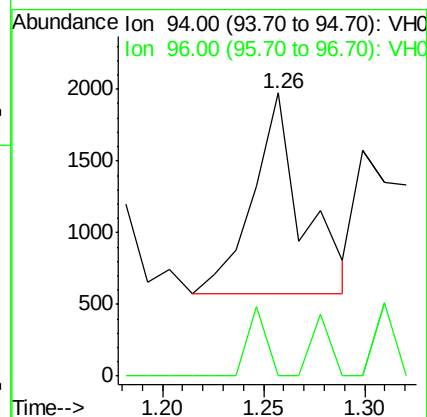
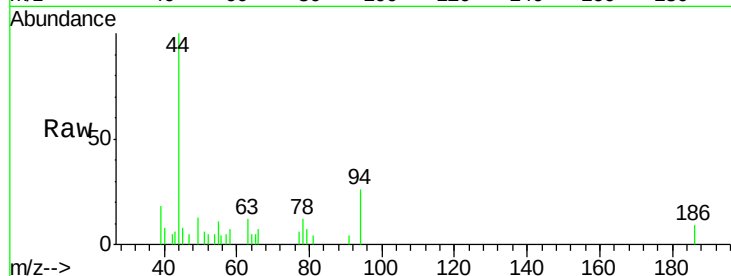
ERD45-CS8-3ME

Tgt Ion: 94 Resp: 2373

Ion Ratio Lower Upper

94 100

96 0.0 78.5 117.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.36 min Scan# 89

Delta R.T. 0.01 min

Lab File: VH057107.D

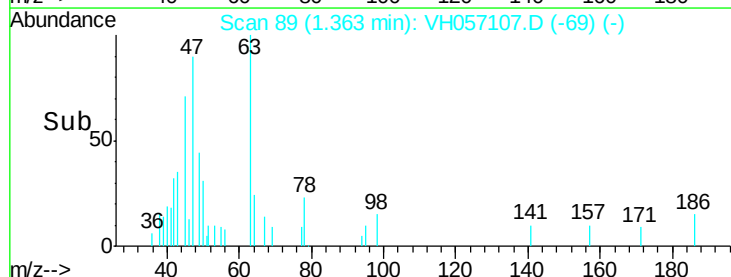
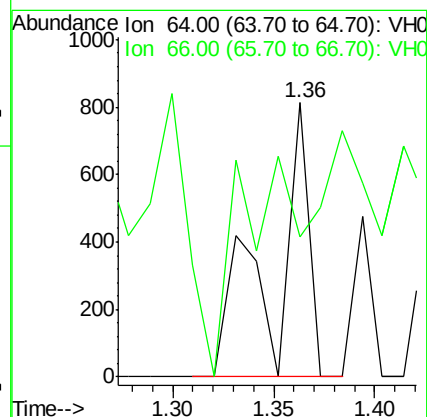
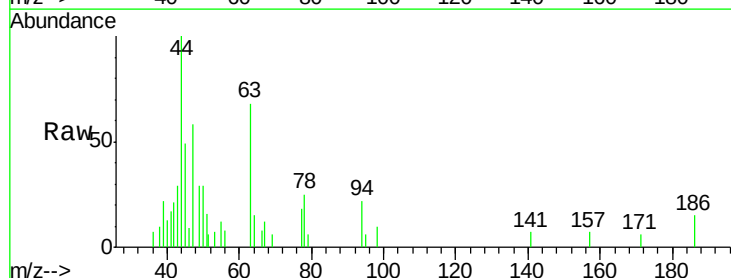
Acq: 22 Sep 2015 16:26

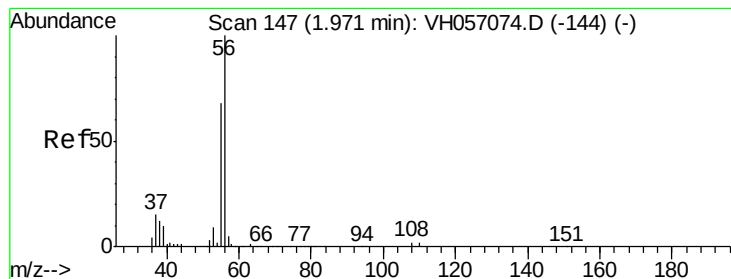
Tgt Ion: 64 Resp: 997

Ion Ratio Lower Upper

64 100

66 51.1 25.2 37.8#





#13

Acrolein

Concen: 0.78 ug/l

RT: 1.97 min Scan# 147

Delta R.T. 0.00 min

Lab File: VH057107.D

Acq: 22 Sep 2015 16:26

Instrument :

MSVOA_H

ClientSampled :

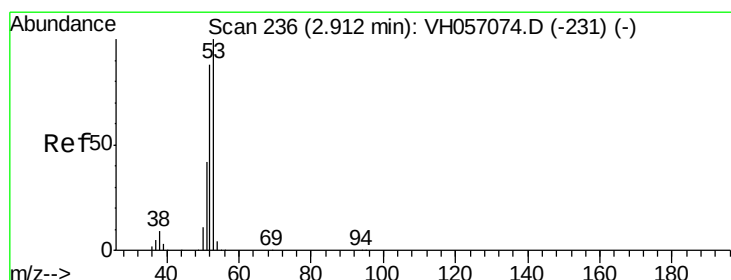
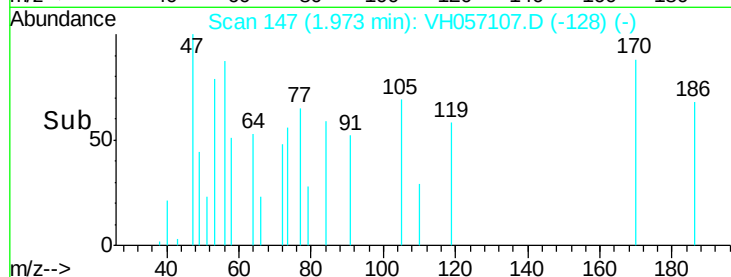
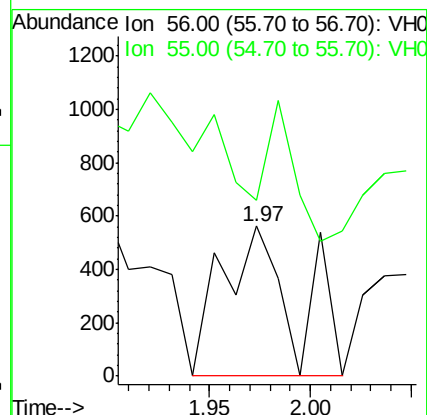
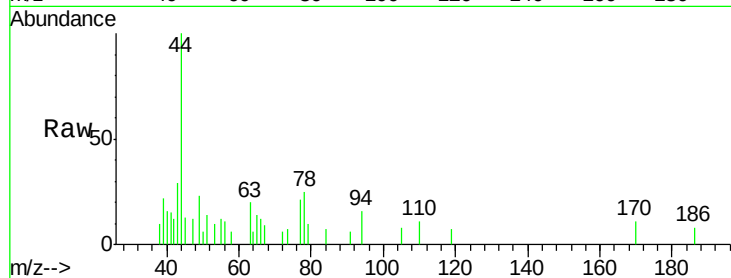
ERD45-CS8-3ME

Tgt Ion: 56 Resp: 1419

Ion Ratio Lower Upper

56 100

55 117.1 52.9 79.3#



#15

Acrylonitrile

Concen: 0.36 ug/l

RT: 2.92 min Scan# 237

Delta R.T. 0.01 min

Lab File: VH057107.D

Acq: 22 Sep 2015 16:26

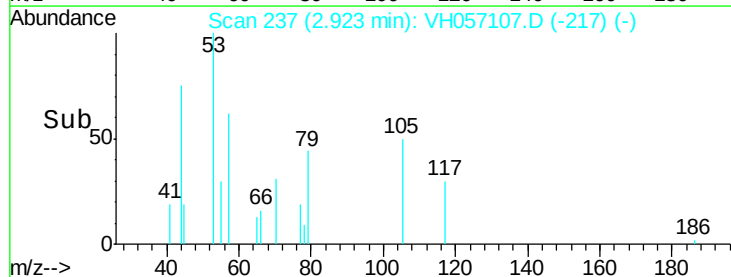
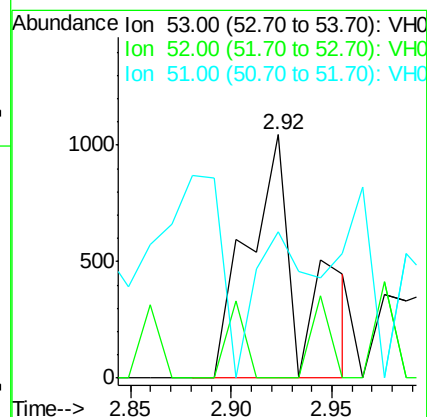
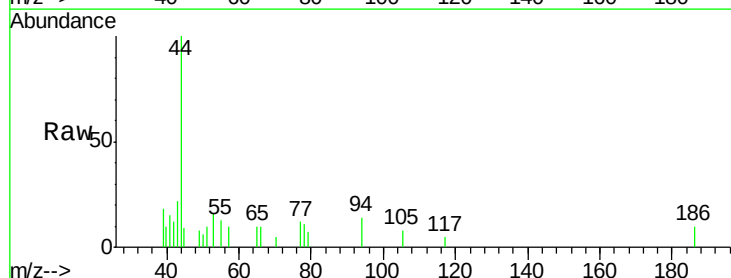
Tgt Ion: 53 Resp: 1994

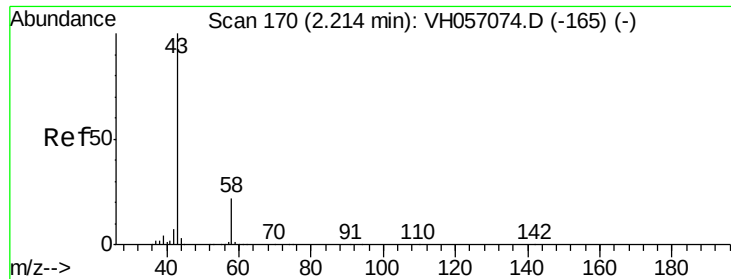
Ion Ratio Lower Upper

53 100

52 0.0 67.6 101.4#

51 60.1 31.8 47.6#





#17

Acetone

Concen: Below Cal

RT: 2.22 min Scan# 170

Delta R.T. 0.00 min

Lab File: VH057107.D

Acq: 22 Sep 2015 16:26

Instrument :

MSVOA_H

ClientSampleId :

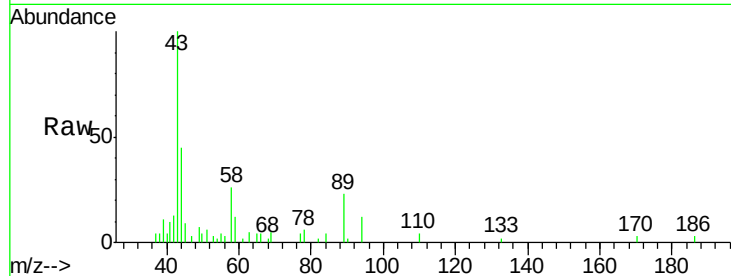
ERD45-CS8-3ME

Tgt Ion: 43 Resp: 33055

Ion Ratio Lower Upper

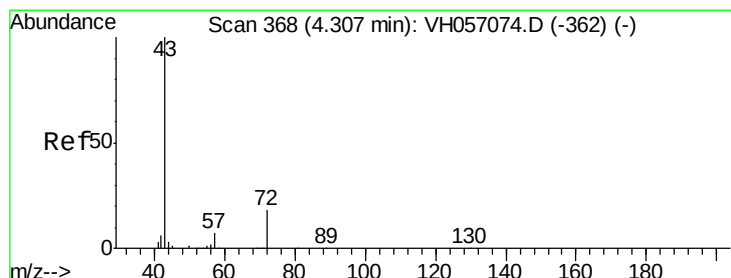
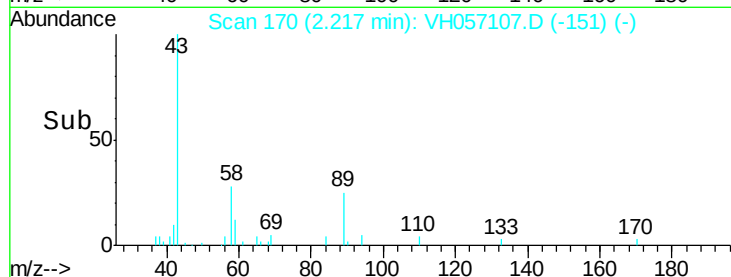
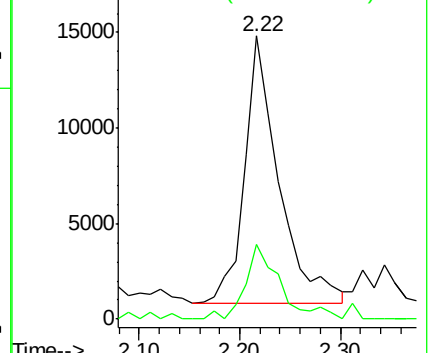
43 100

58 26.4 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 58.00 (57.70 to 58.70): VH0



#25

2-Butanone

Concen: 1.01 ug/l

RT: 4.33 min Scan# 371

Delta R.T. 0.02 min

Lab File: VH057107.D

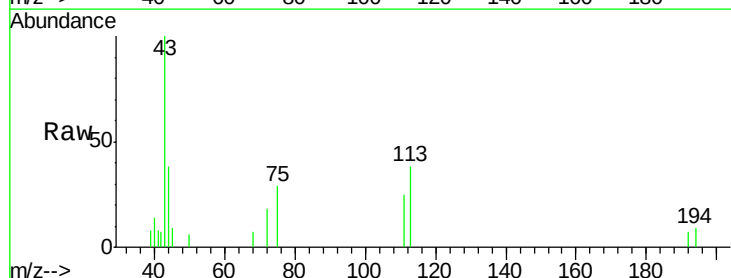
Acq: 22 Sep 2015 16:26

Tgt Ion: 43 Resp: 15785

Ion Ratio Lower Upper

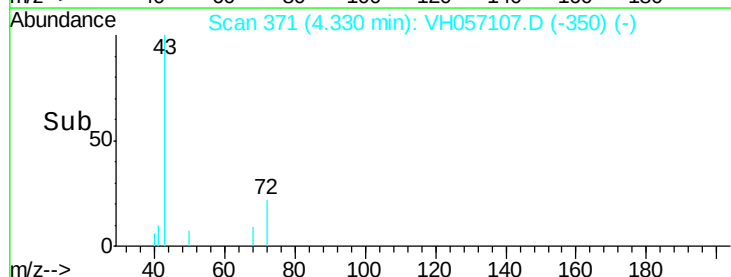
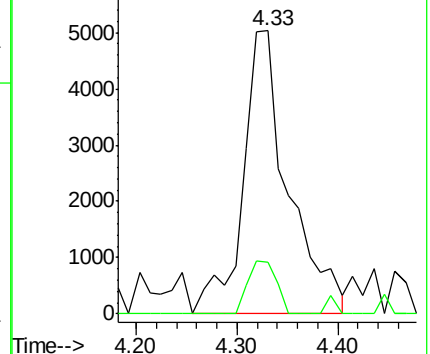
43 100

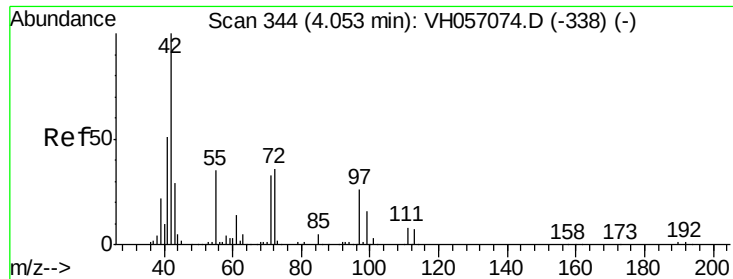
72 18.2 0.0 39.2



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 72.00 (71.70 to 72.70): VH0

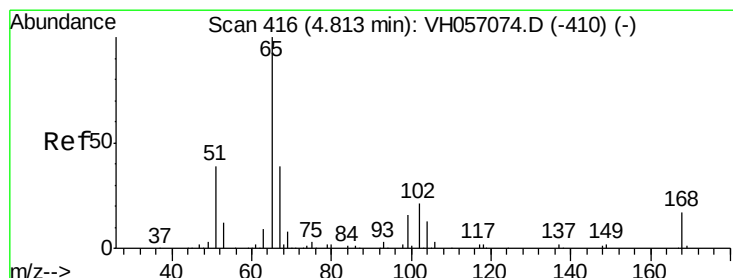
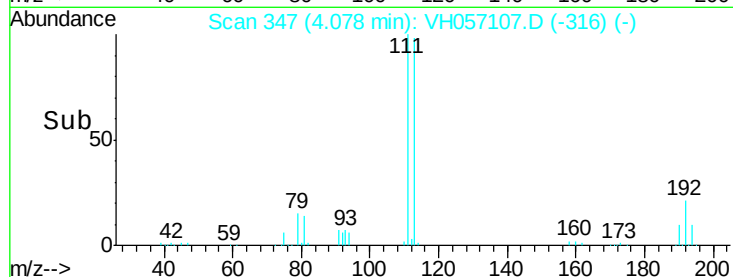
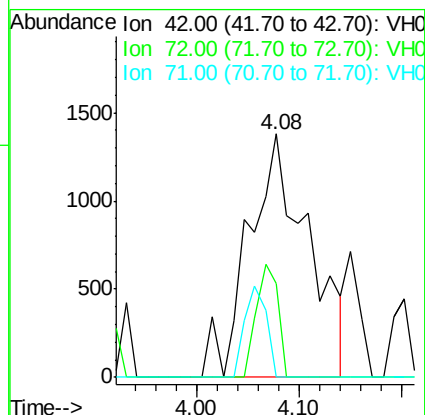
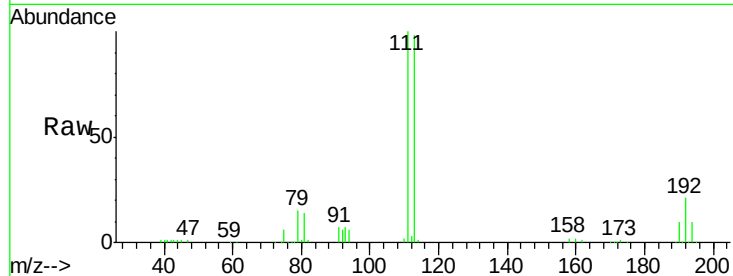




#31
Tetrahydrofuran
Concen: 0.64 ug/l
RT: 4.08 min Scan# 347
Delta R.T. 0.03 min
Lab File: VH057107.D
Acq: 22 Sep 2015 16:26

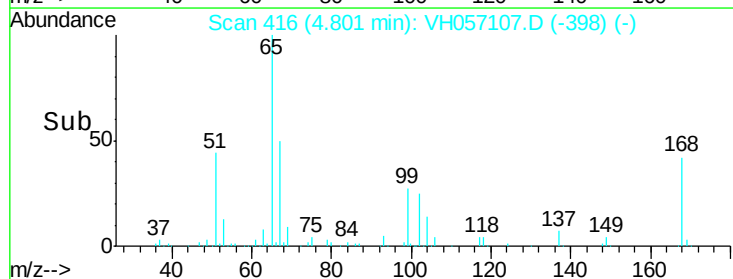
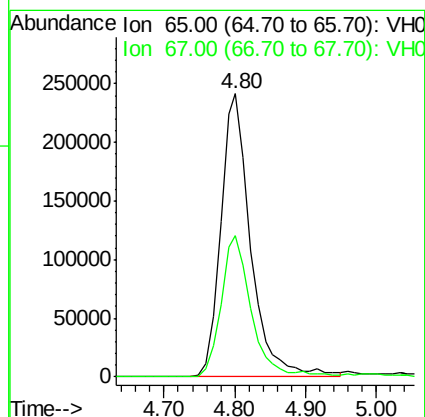
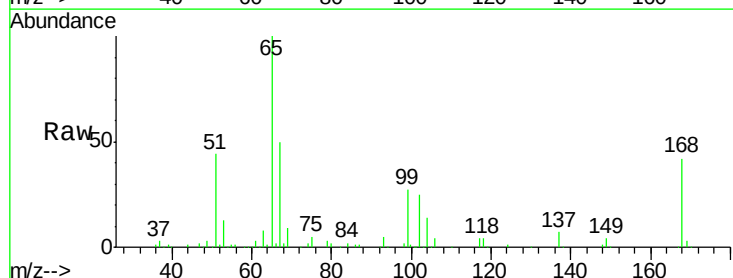
Instrument :
MSVOA_H
ClientSampleId :
ERD45-CS8-3ME

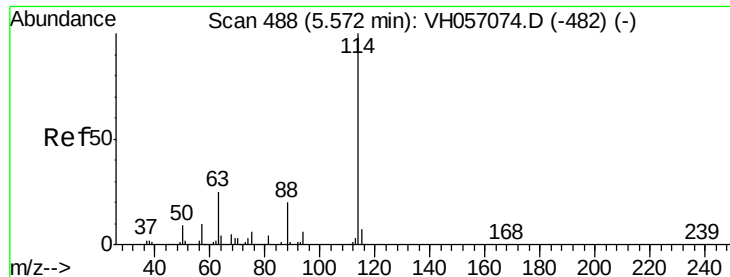
Tgt Ion: 42 Resp: 5612
Ion Ratio Lower Upper
42 100
72 16.8 25.5 38.3#
71 0.0 25.4 38.0#



#33
1,2-Dichloroethane-d4
Concen: 42.18 ug/l
RT: 4.80 min Scan# 416
Delta R.T. -0.01 min
Lab File: VH057107.D
Acq: 22 Sep 2015 16:26

Tgt Ion: 65 Resp: 712388
Ion Ratio Lower Upper
65 100
67 49.8 43.2 64.8

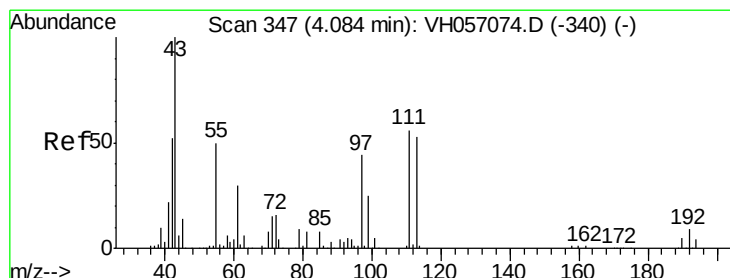
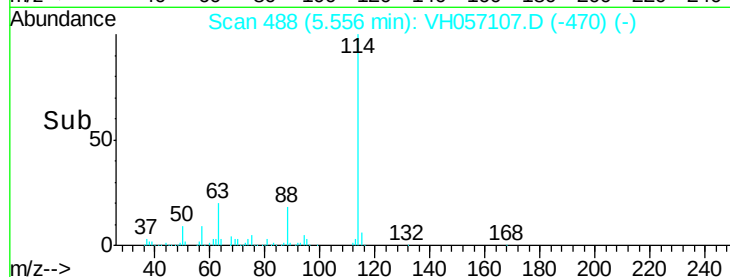
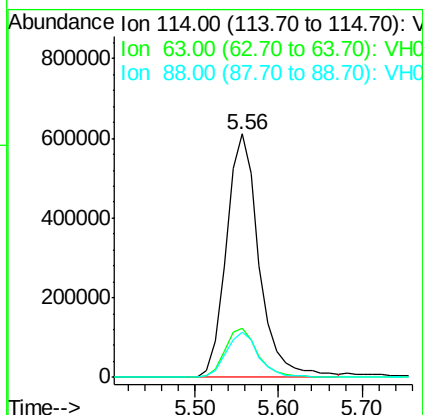
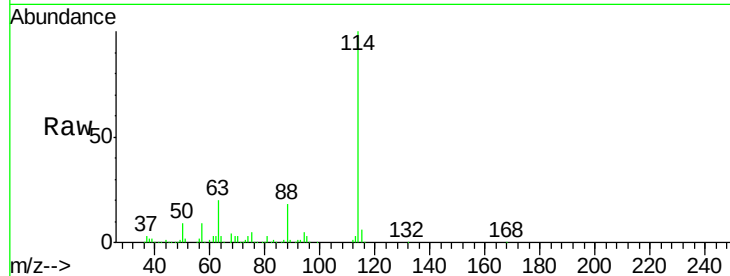




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.56 min Scan# 488
 Delta R.T. -0.02 min
 Lab File: VH057107.D
 Acq: 22 Sep 2015 16:26

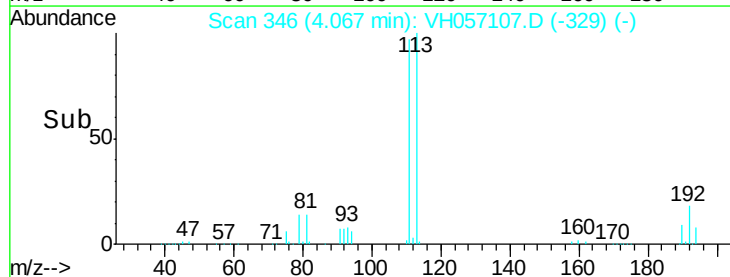
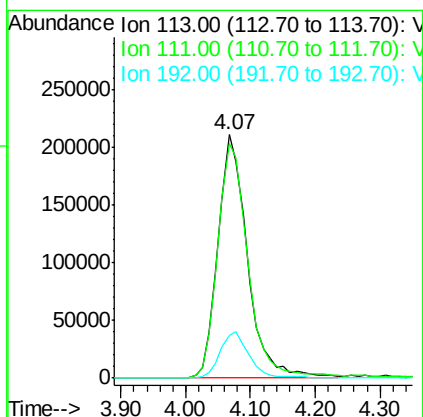
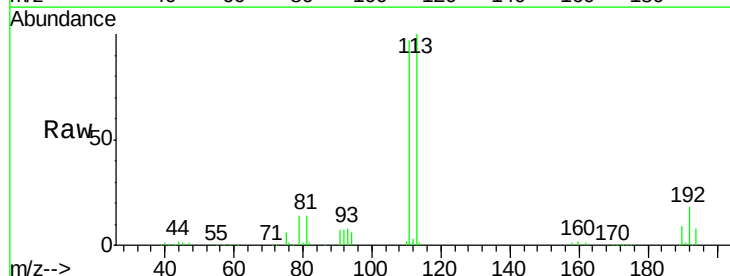
Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS8-3ME

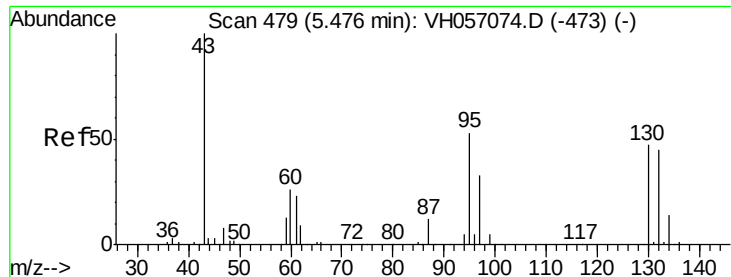
Tgt Ion:114 Resp: 1667952
 Ion Ratio Lower Upper
 114 100
 63 20.1 19.0 28.4
 88 18.5 15.7 23.5



#35
 Dibromofluoromethane
 Concen: 49.93 ug/l
 RT: 4.07 min Scan# 346
 Delta R.T. -0.02 min
 Lab File: VH057107.D
 Acq: 22 Sep 2015 16:26

Tgt Ion:113 Resp: 663043
 Ion Ratio Lower Upper
 113 100
 111 96.5 84.0 126.0
 192 17.5 13.6 20.4





#43

Trichloroethene

Concen: 2.36 ug/l

RT: 5.47 min Scan# 480

Delta R.T. -0.01 min

Lab File: VH057107.D

Acq: 22 Sep 2015 16:26

Instrument :

MSVOA_H

ClientSampleId :

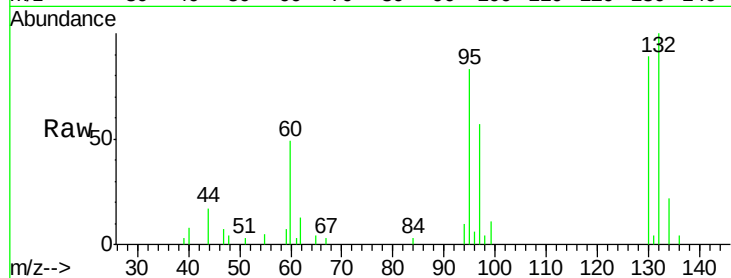
ERD45-CS8-3ME

Tgt Ion:130 Resp: 26128

Ion Ratio Lower Upper

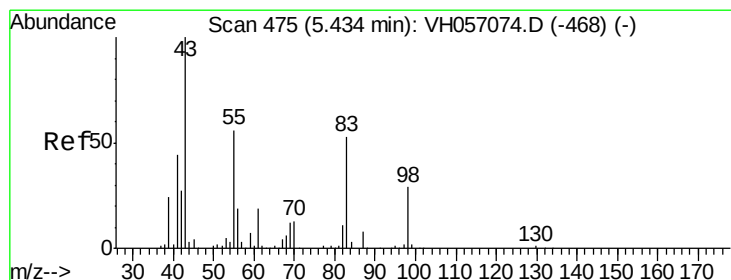
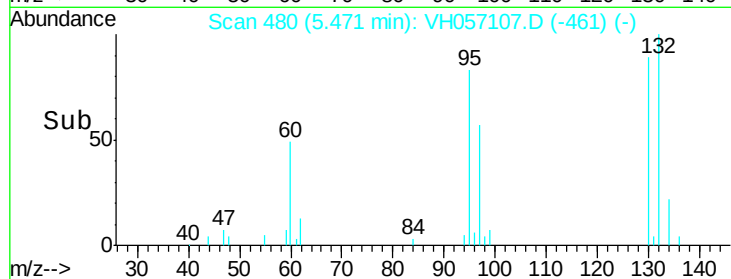
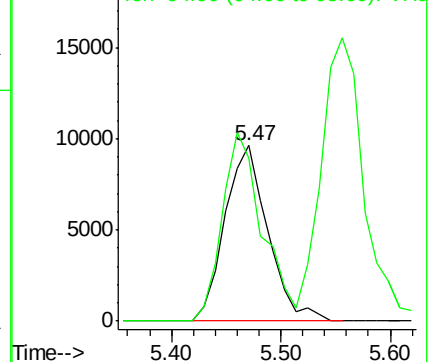
130 100

95 92.8 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: 1.12 ug/l

RT: 5.56 min Scan# 488

Delta R.T. 0.12 min

Lab File: VH057107.D

Acq: 22 Sep 2015 16:26

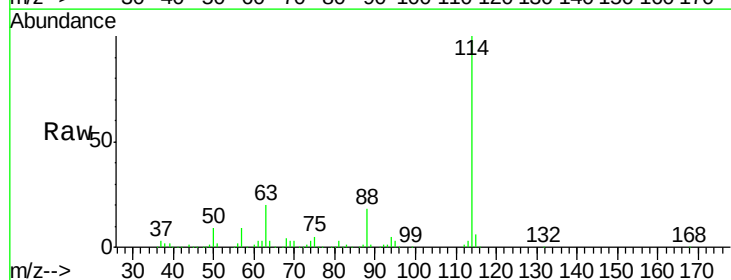
Tgt Ion: 83 Resp: 11779

Ion Ratio Lower Upper

83 100

55 33.9 0.0 207.2

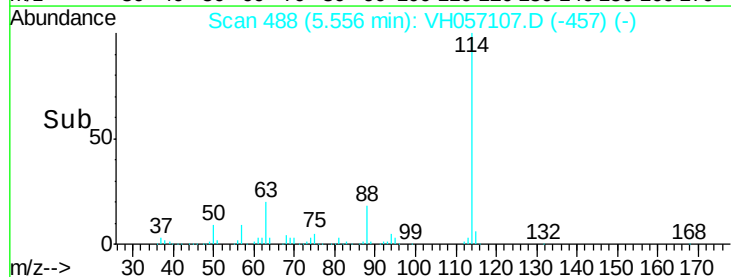
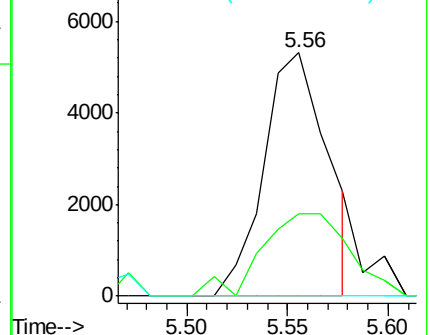
98 0.0 0.0 108.4

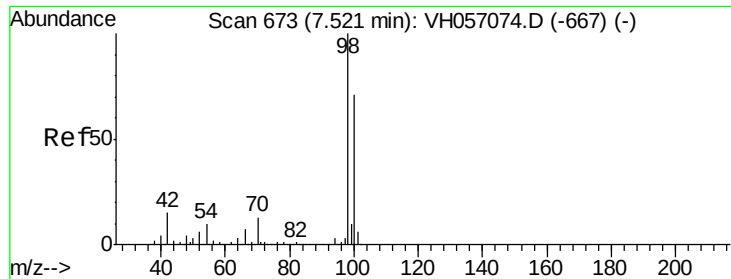


Abundance Ion 83.00 (82.70 to 83.70): VH0

Ion 55.00 (54.70 to 55.70): VH0

Ion 98.00 (97.70 to 98.70): VH0





#48

Toluene-d8

Concen: 49.78 ug/l

RT: 7.50 min Scan# 673

Delta R.T. -0.02 min

Lab File: VH057107.D

Acq: 22 Sep 2015 16:26

Instrument :

MSVOA_H

ClientSampleId :

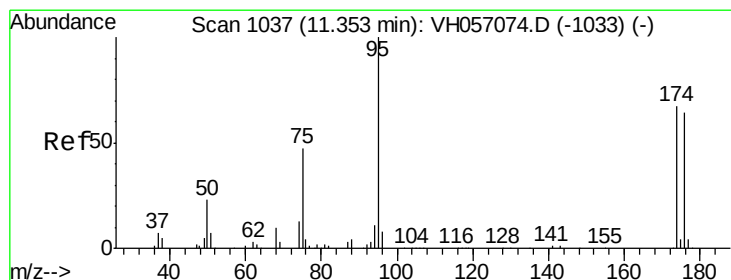
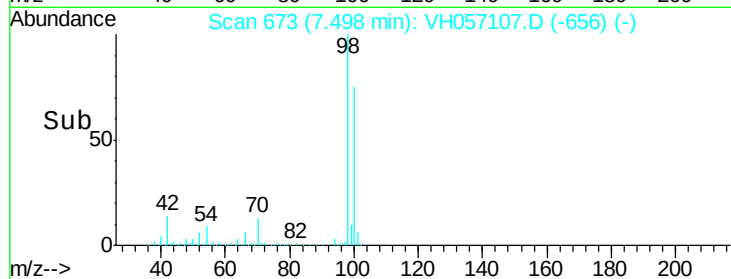
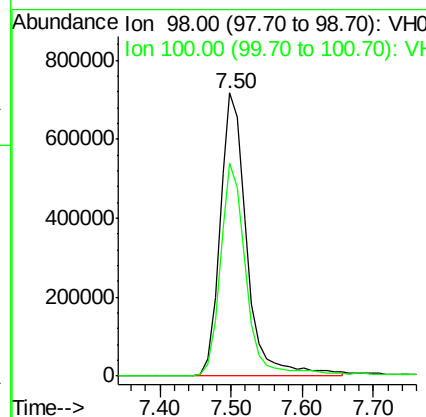
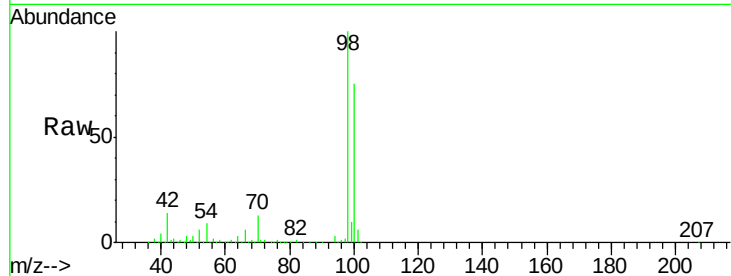
ERD45-CS8-3ME

Tgt Ion: 98 Resp: 1901050

Ion Ratio Lower Upper

98 100

100 75.0 56.7 85.1



#62

4-Bromofluorobenzene

Concen: 50.14 ug/l

RT: 11.35 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VH057107.D

Acq: 22 Sep 2015 16:26

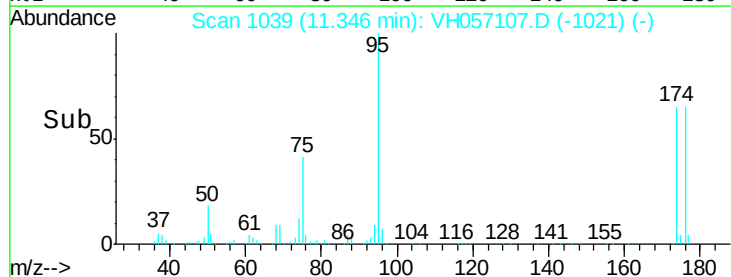
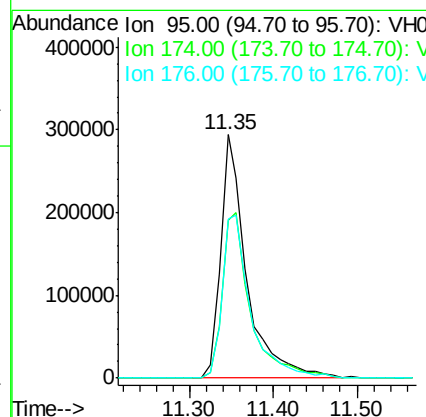
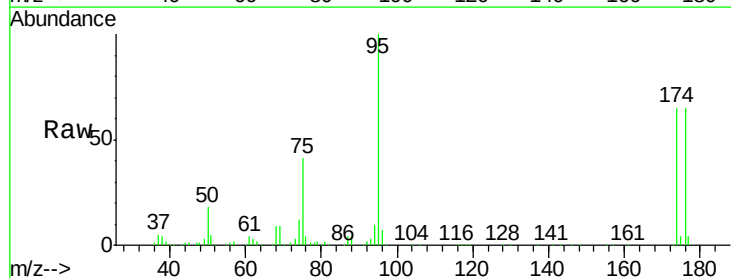
Tgt Ion: 95 Resp: 645752

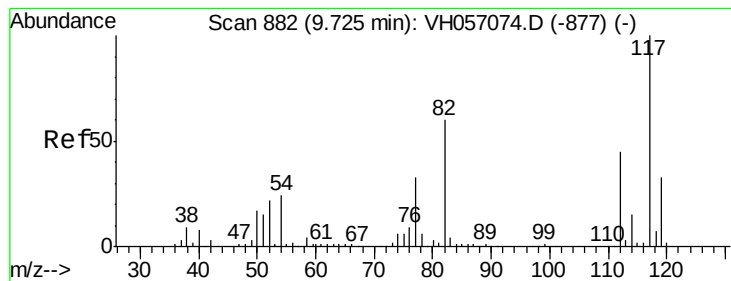
Ion Ratio Lower Upper

95 100

174 64.8 58.4 87.6

176 65.2 54.3 81.5





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 883

Delta R.T. -0.02 min

Lab File: VH057107.D

Acq: 22 Sep 2015 16:26

Instrument :

MSVOA_H

ClientSampleId :

ERD45-CS8-3ME

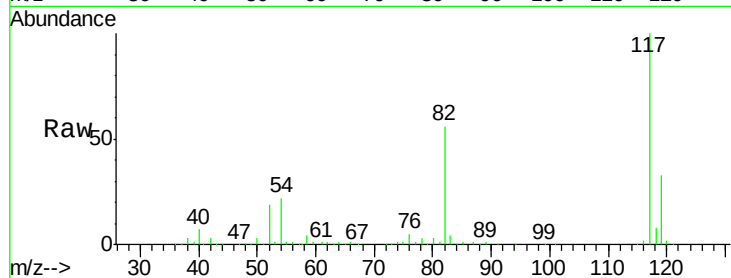
Tgt Ion:117 Resp: 1328482

Ion Ratio Lower Upper

117 100

82 56.0 51.0 76.6

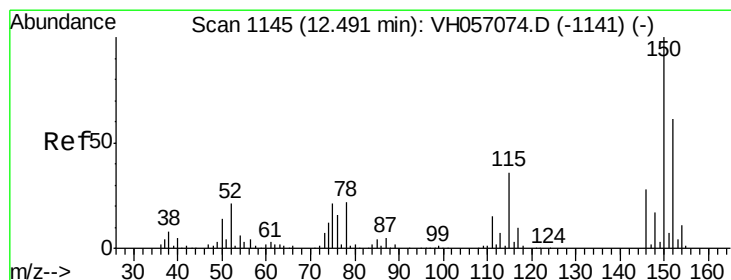
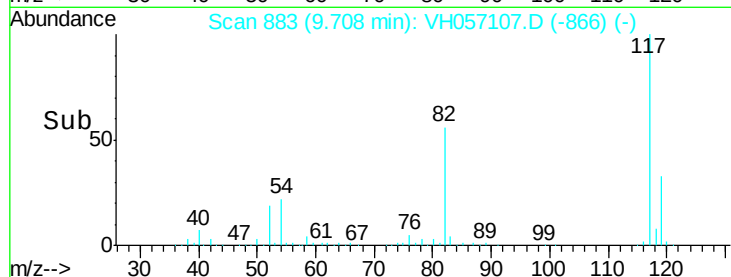
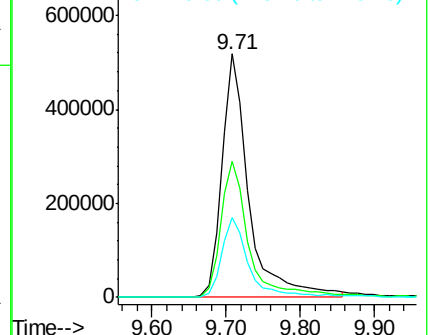
119 33.0 26.7 40.1



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: VH057107.D

Acq: 22 Sep 2015 16:26

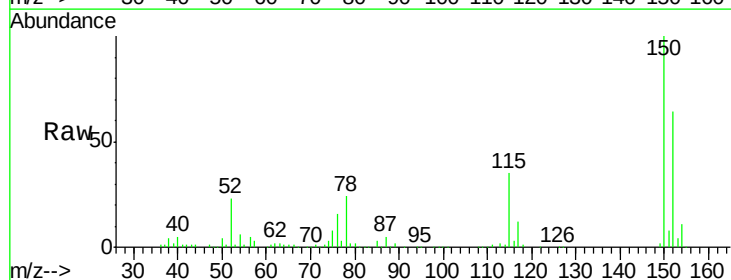
Tgt Ion:152 Resp: 404770

Ion Ratio Lower Upper

152 100

115 54.5 28.2 84.6

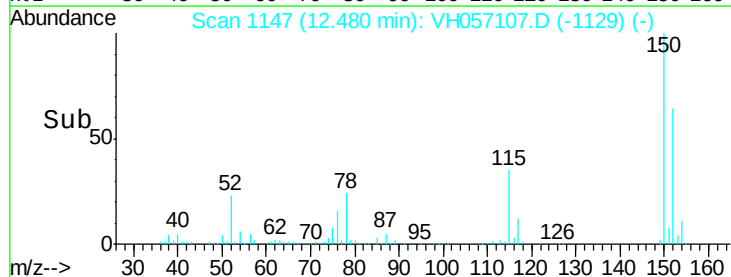
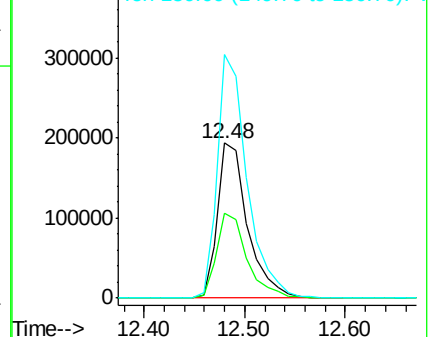
150 157.2 0.0 332.0

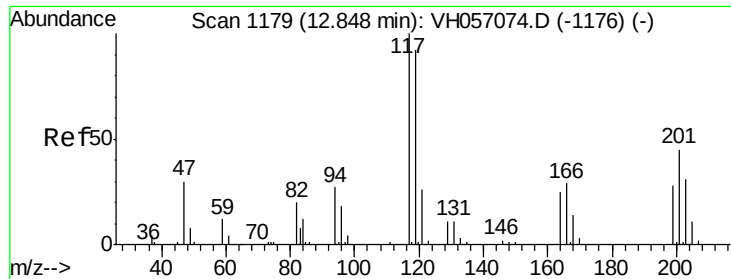


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#90

Hexachloroethane

Concen: 0.24 ug/l

RT: 12.86 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VH057107.D

Acq: 22 Sep 2015 16:26

Instrument :

MSVOA_H

ClientSampleId :

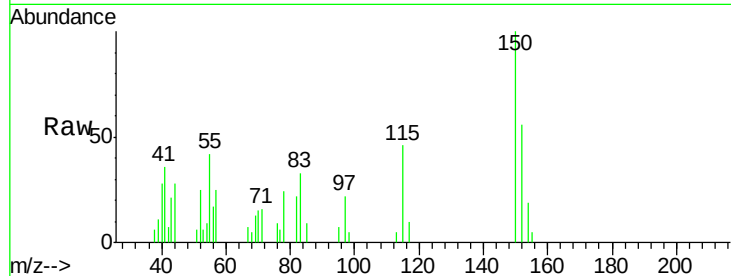
ERD45-CS8-3ME

Tgt Ion:117 Resp: 933

Ion Ratio Lower Upper

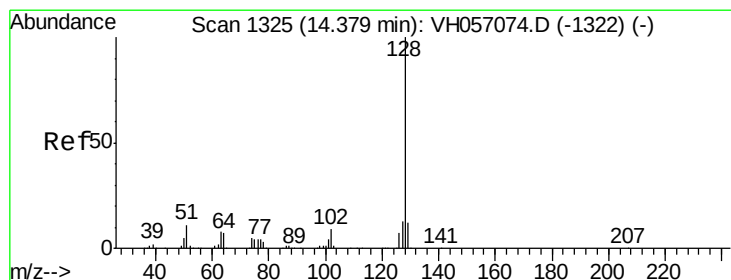
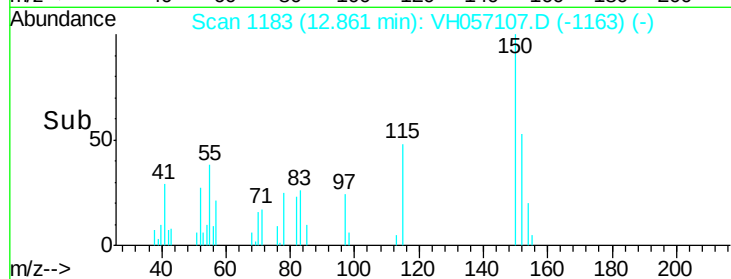
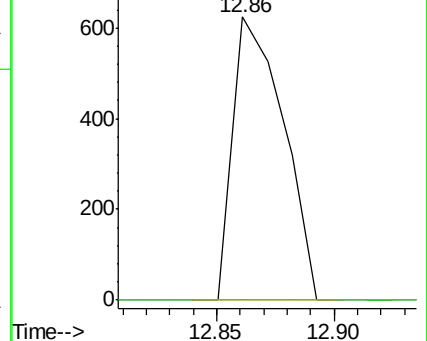
117 100

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: 9.38 ug/l

RT: 14.38 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VH057107.D

Acq: 22 Sep 2015 16:26

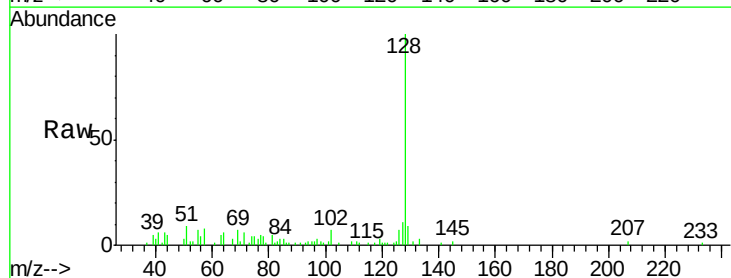
Tgt Ion:128 Resp: 51522

Ion Ratio Lower Upper

128 100

127 10.9 9.6 14.4

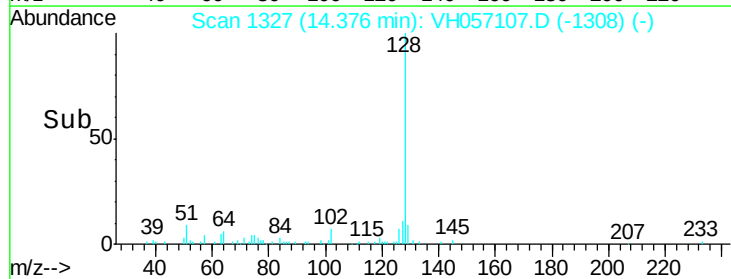
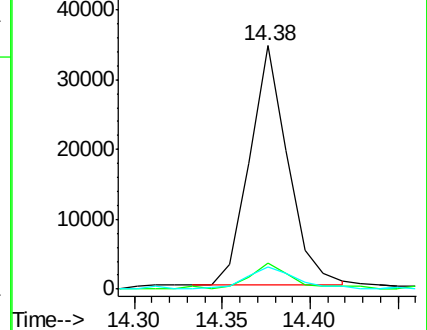
129 9.3 8.7 13.1

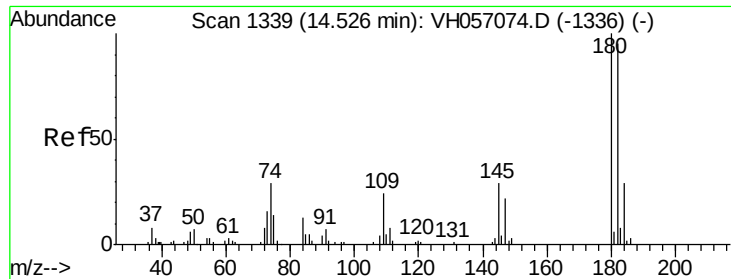


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

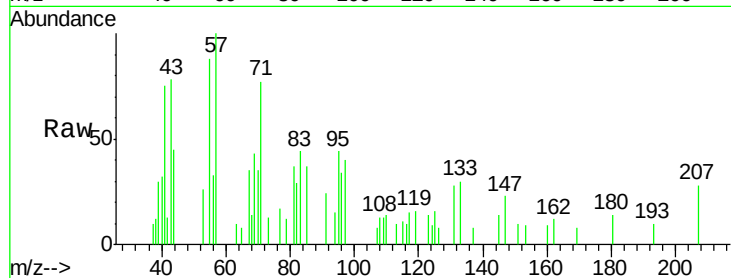




#96
 1,2,3-Trichlorobenzene
 Concen: 6.26 ug/l
 RT: 14.63 min Scan# 1351
 Delta R.T. 0.10 min
 Lab File: VH057107.D
 Acq: 22 Sep 2015 16:26

Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS8-3ME

Tgt Ion:180 Resp: 898
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.1 141.3#
 145 98.8 12.5 37.5#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

