

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
 Data File : VH057109.D
 Acq On : 22 Sep 2015 17:54
 Operator : SY/FY
 Sample : G3767-10ME
 Misc : 4.99g/10mL//100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS10-3ME

Quant Time: Sep 23 04:38:43 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	993006	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.55	114	1715947	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.71	117	1379298	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.49	152	424023	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	893774	50.40	ug/l	-0.01
Spiked Amount	50.000	Range	66 - 150	Recovery	=	100.80%	
35) Dibromofluoromethane		4.07	113	805418	58.95	ug/l	-0.01
Spiked Amount	50.000	Range	76 - 130	Recovery	=	117.90%	
48) Toluene-d8		7.50	98	2311035	58.83	ug/l	-0.02
Spiked Amount	50.000	Range	78 - 121	Recovery	=	117.66%	
62) 4-Bromofluorobenzene		11.35	95	806072	60.84	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	121.68%	

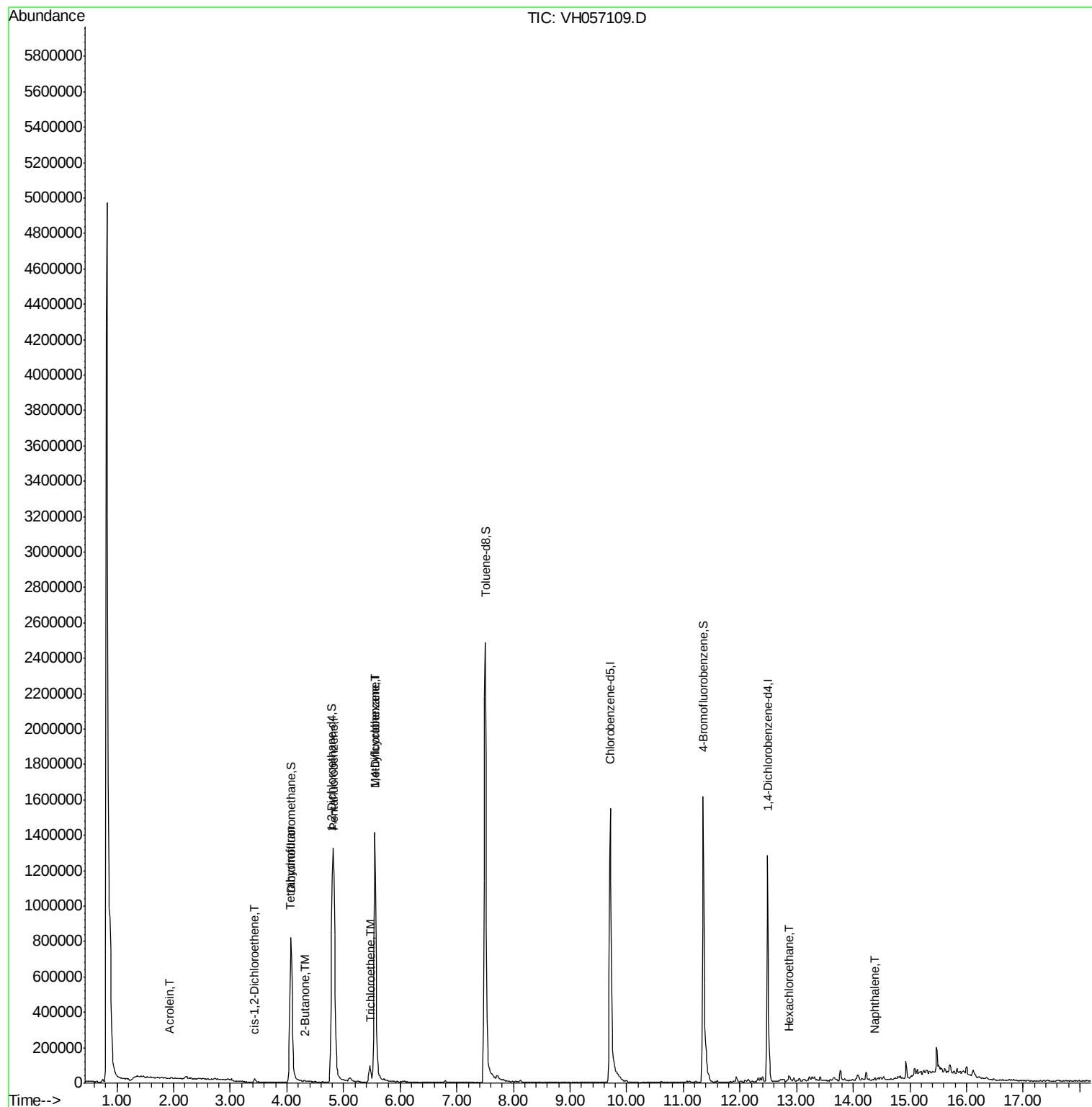
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.24	94	505	Below Cal	#	1
6) Chloroethane	1.38	64	674	Below Cal	#	1
13) Acrolein	1.92	56	886	0.47	ug/l	90
17) Acetone	2.31	43	1448	Below Cal		99
25) 2-Butanone	4.32	43	5455	0.33	ug/l	57
27) cis-1,2-Dichloroethene	3.43	96	10496	0.75	ug/l	# 83
31) Tetrahydrofuran	4.06	42	3717	0.40	ug/l	# 82
43) Trichloroethene	5.47	130	49152	4.31	ug/l	# 74
44) Methylcyclohexane	5.55	83	13323	1.23	ug/l	28
90) Hexachloroethane	12.86	117	1193	0.29	ug/l	# 29
95) Naphthalene	14.38	128	7514	5.48	ug/l	# 93

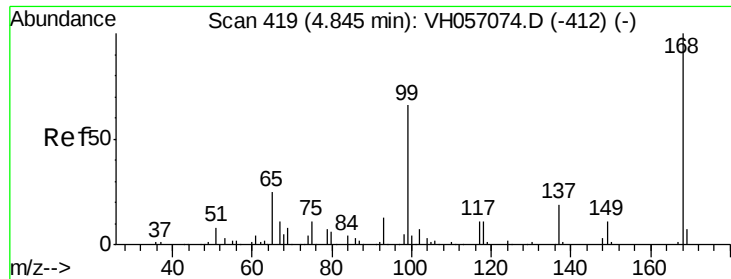
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
Data File : VH057109.D
Acq On : 22 Sep 2015 17:54
Operator : SY/FY
Sample : G3767-10ME
Misc : 4.99g/10mL//100uL/5mL/MSVOA_H/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_H
ClientSampleId :
ERD45-CS10-3ME

Quant Time: Sep 23 04:38:43 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.83 min Scan# 418

Delta R.T. -0.01 min

Lab File: VH057109.D

Acq: 22 Sep 2015 17:54

Instrument :

MSVOA_H

ClientSampleId :

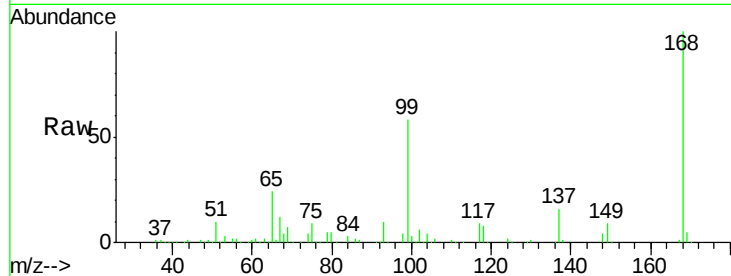
ERD45-CS10-3ME

Tgt Ion: 168 Resp: 993006

Ion Ratio Lower Upper

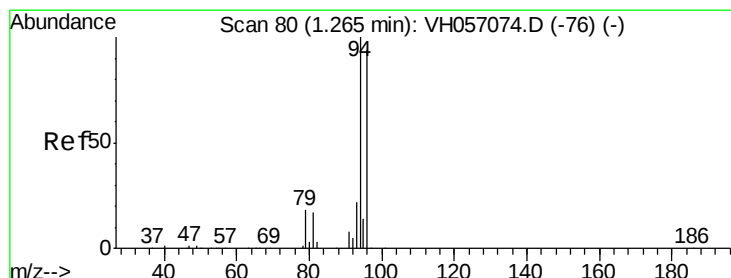
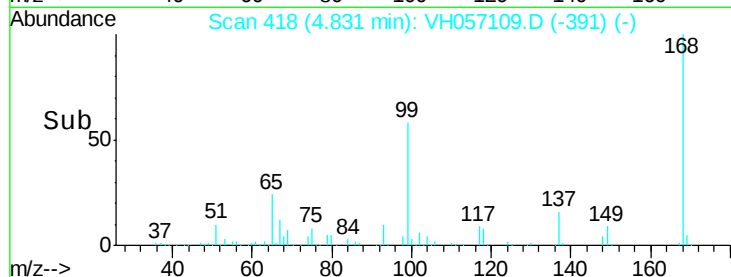
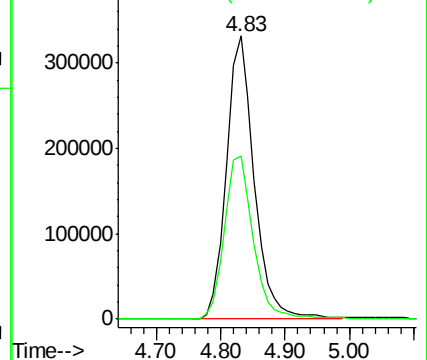
168 100

99 57.5 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: 1.24 min Scan# 77

Delta R.T. -0.03 min

Lab File: VH057109.D

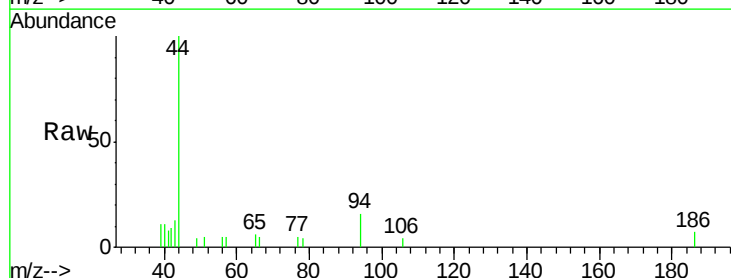
Acq: 22 Sep 2015 17:54

Tgt Ion: 94 Resp: 505

Ion Ratio Lower Upper

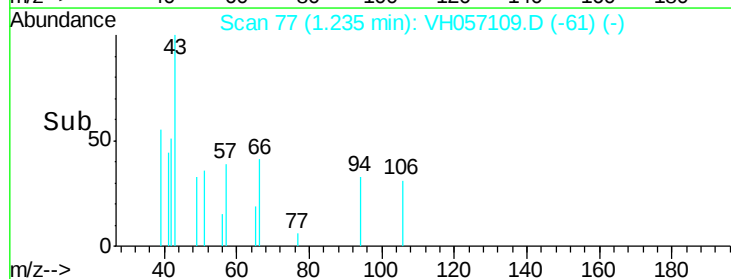
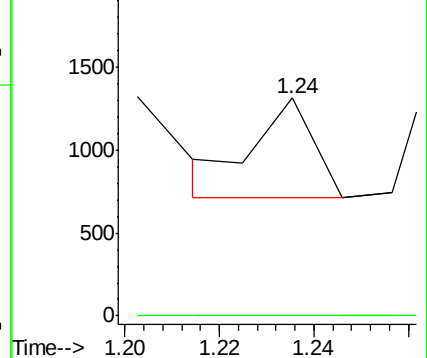
94 100

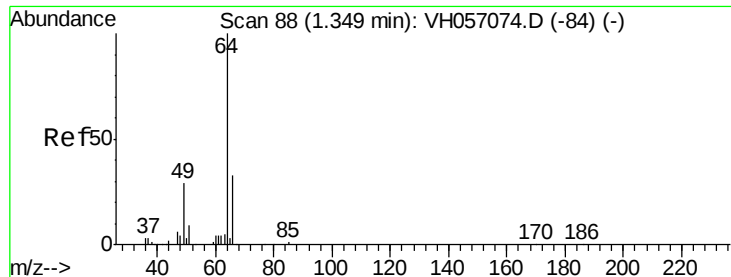
96 0.0 78.5 117.7#



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: 1.38 min Scan# 91

Delta R.T. 0.03 min

Lab File: VH057109.D

Acq: 22 Sep 2015 17:54

Instrument :

MSVOA_H

ClientSampleId :

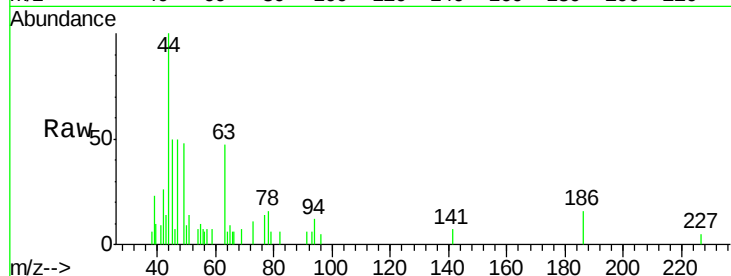
ERD45-CS10-3ME

Tgt Ion: 64 Resp: 674

Ion Ratio Lower Upper

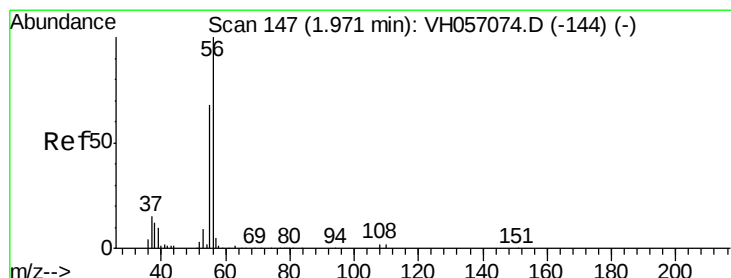
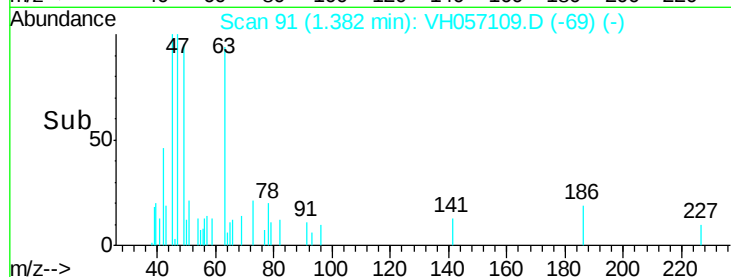
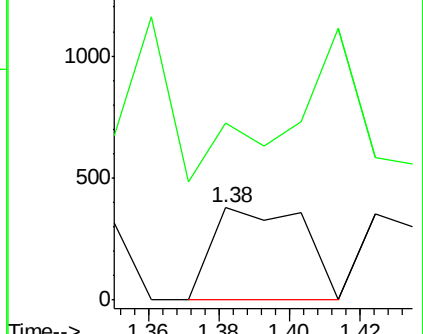
64 100

66 192.1 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: 0.47 ug/l

RT: 1.92 min Scan# 142

Delta R.T. -0.05 min

Lab File: VH057109.D

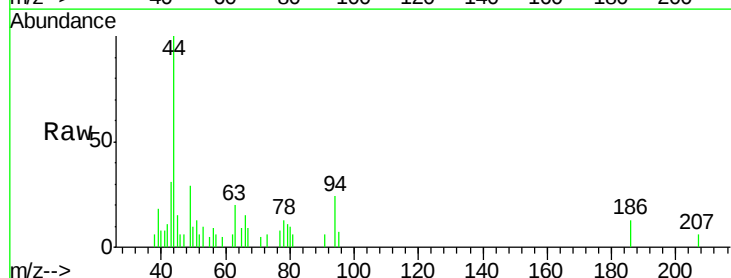
Acq: 22 Sep 2015 17:54

Tgt Ion: 56 Resp: 886

Ion Ratio Lower Upper

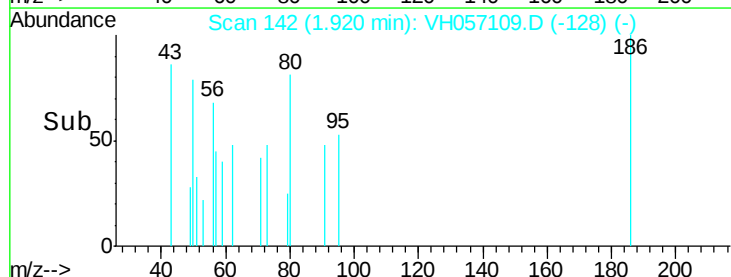
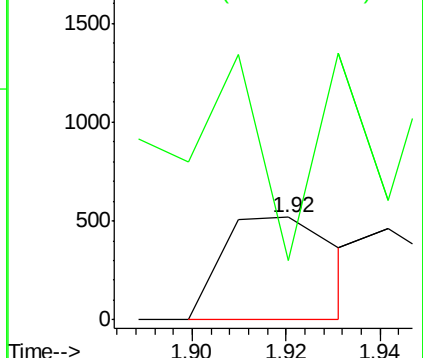
56 100

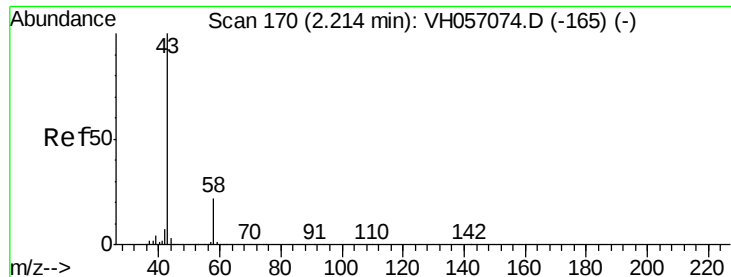
55 58.2 52.9 79.3



Abundance Ion 56.00 (55.70 to 56.70): VH0

Ion 55.00 (54.70 to 55.70): VH0





#17

Acetone

Concen: Below Cal

RT: 2.31 min Scan# 179

Delta R.T. 0.10 min

Lab File: VH057109.D

Acq: 22 Sep 2015 17:54

Instrument :

MSVOA_H

ClientSampleId :

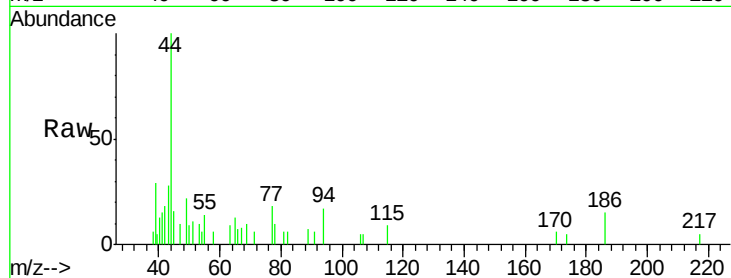
ERD45-CS10-3ME

Tgt Ion: 43 Resp: 1448

Ion Ratio Lower Upper

43 100

58 21.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 58.00 (57.70 to 58.70): VH0

2000

1500

1000

500

0

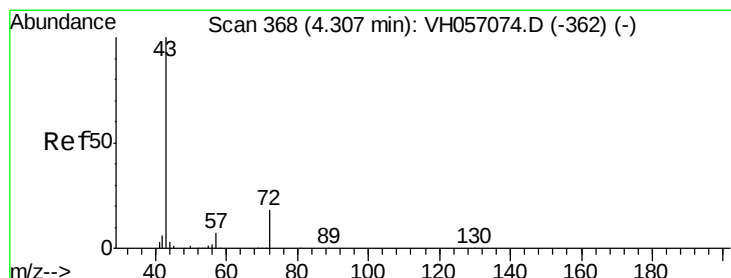
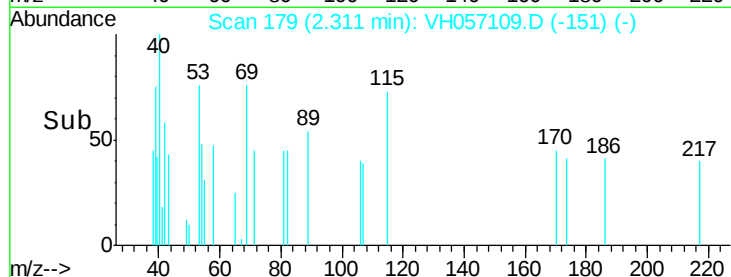
Time-->

2.28

2.30

2.32

2.34



#25

2-Butanone

Concen: 0.33 ug/l

RT: 4.32 min Scan# 370

Delta R.T. 0.02 min

Lab File: VH057109.D

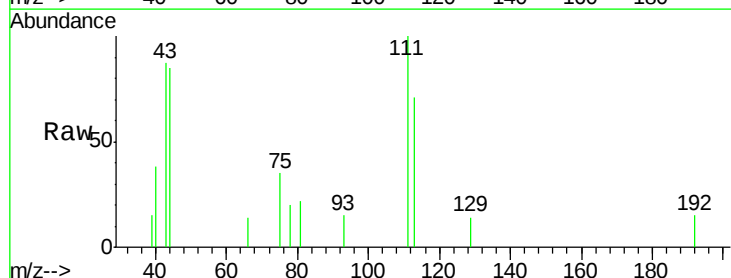
Acq: 22 Sep 2015 17:54

Tgt Ion: 43 Resp: 5455

Ion Ratio Lower Upper

43 100

72 0.0 0.0 39.2



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 72.00 (71.70 to 72.70): VH0

2000

1500

1000

500

0

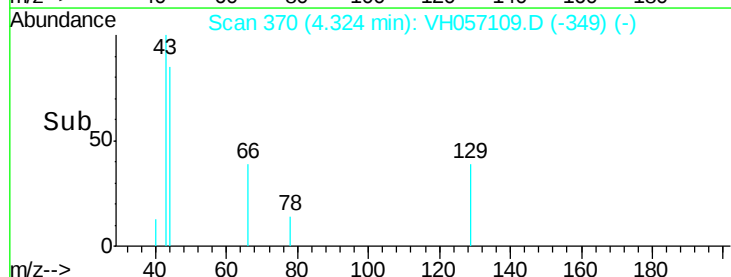
Time-->

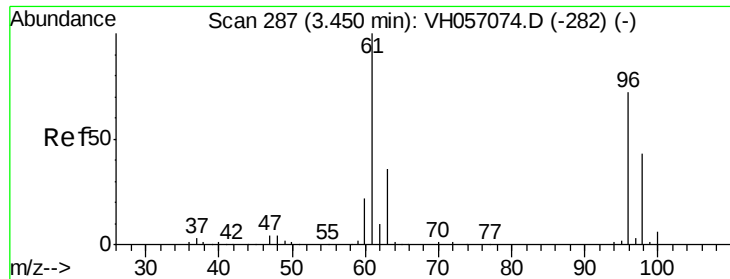
4.20

4.25

4.30

4.35





#27

cis-1,2-Dichloroethene

Concen: 0.75 ug/l

RT: 3.43 min Scan# 285

Delta R.T. -0.02 min

Lab File: VH057109.D

Acq: 22 Sep 2015 17:54

Instrument :

MSVOA_H

ClientSampleId :

ERD45-CS10-3ME

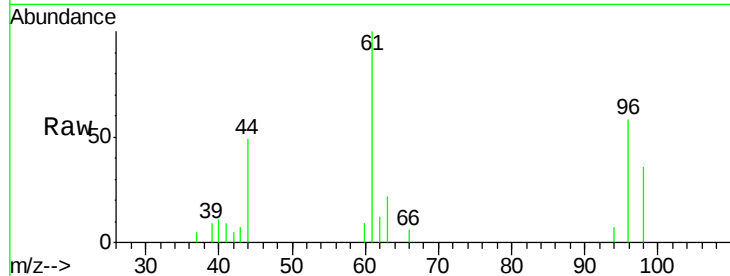
Tgt Ion: 96 Resp: 10496

Ion Ratio Lower Upper

96 100

61 173.8 115.4 173.0#

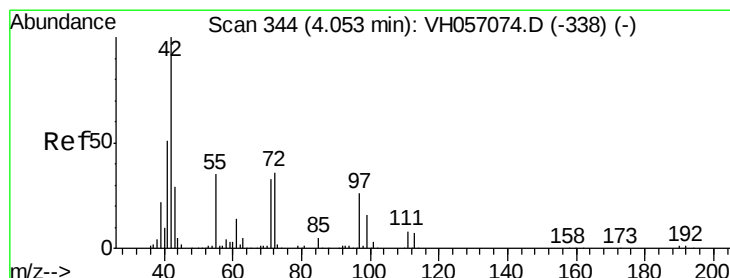
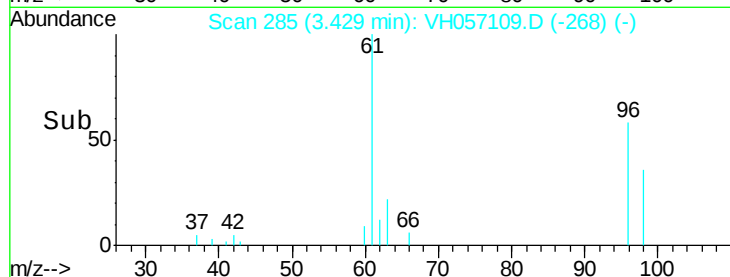
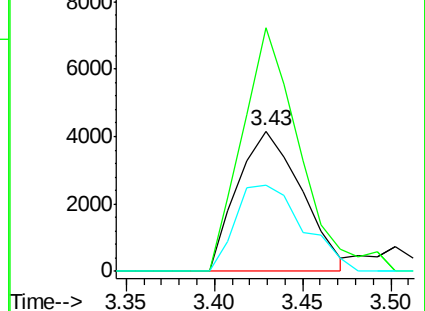
98 61.8 49.7 74.5



Abundance Ion 96.00 (95.70 to 96.70): VH057109.D (-282) (-)

Ion 61.00 (60.70 to 61.70): VH057109.D (-282) (-)

Ion 98.00 (97.70 to 98.70): VH057109.D (-282) (-)



#31

Tetrahydrofuran

Concen: 0.40 ug/l

RT: 4.06 min Scan# 345

Delta R.T. 0.01 min

Lab File: VH057109.D

Acq: 22 Sep 2015 17:54

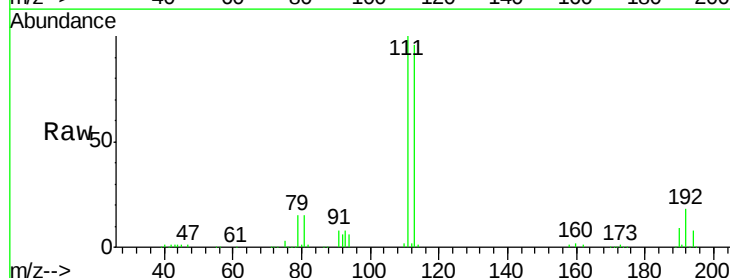
Tgt Ion: 42 Resp: 3717

Ion Ratio Lower Upper

42 100

72 14.5 25.5 38.3#

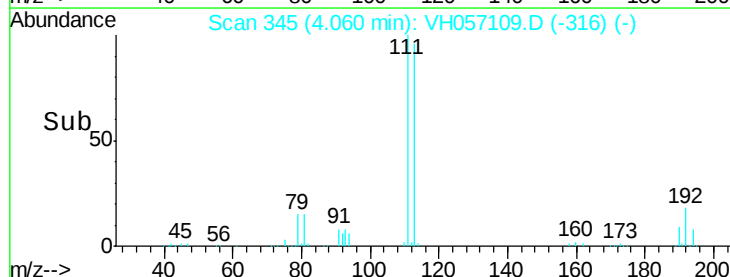
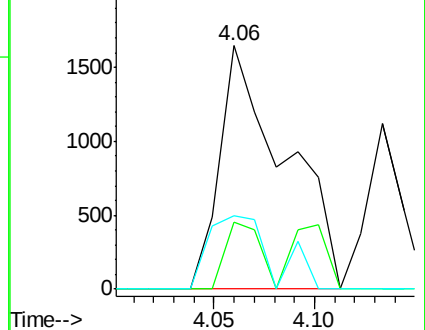
71 29.2 25.4 38.0

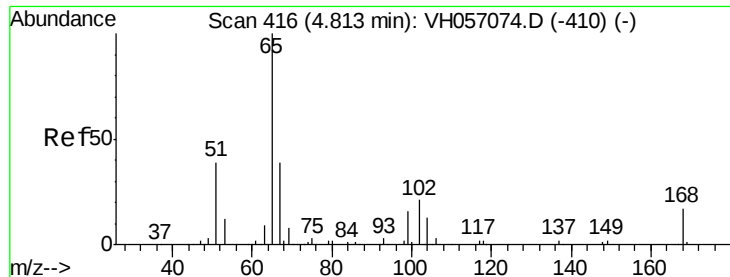


Abundance Ion 42.00 (41.70 to 42.70): VH057109.D (-338) (-)

Ion 72.00 (71.70 to 72.70): VH057109.D (-338) (-)

Ion 71.00 (70.70 to 71.70): VH057109.D (-338) (-)





#33

1,2-Dichloroethane-d4

Concen: 50.40 ug/l

RT: 4.80 min Scan# 415

Delta R.T. -0.01 min

Lab File: VH057109.D

Acq: 22 Sep 2015 17:54

Instrument :

MSVOA_H

ClientSampleId :

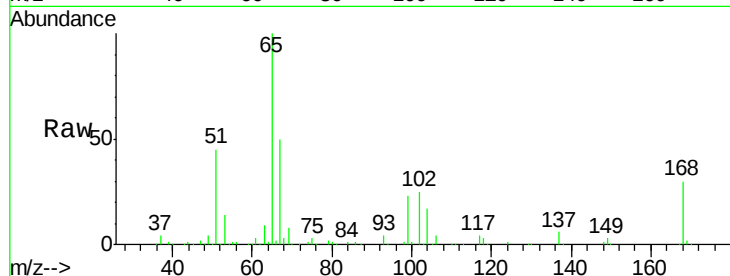
ERD45-CS10-3ME

Tgt Ion: 65 Resp: 893774

Ion Ratio Lower Upper

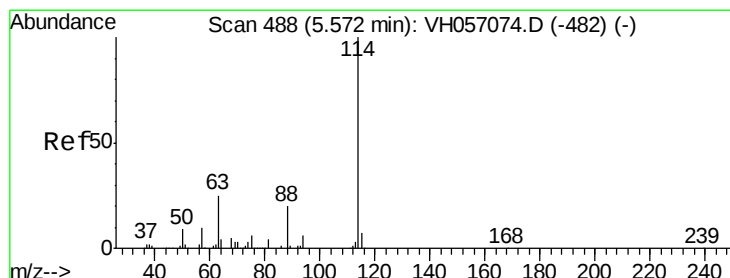
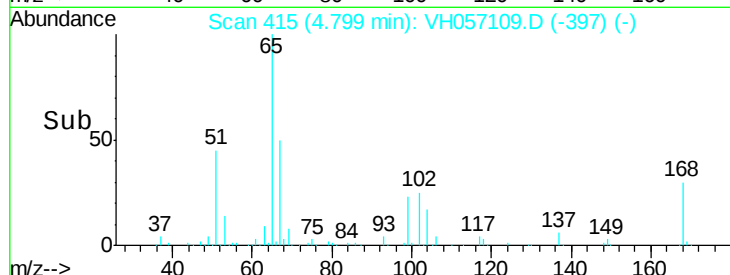
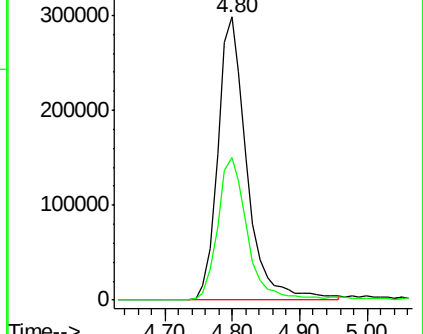
65 100

67 50.2 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# 487

Delta R.T. -0.02 min

Lab File: VH057109.D

Acq: 22 Sep 2015 17:54

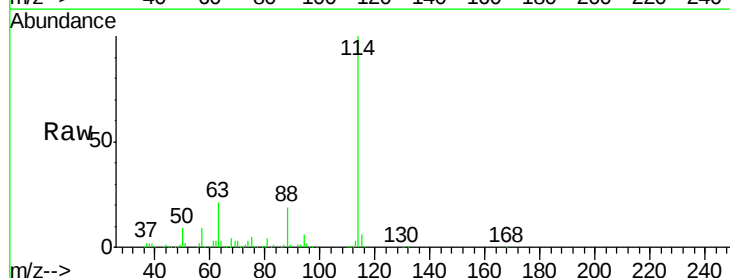
Tgt Ion: 114 Resp: 1715947

Ion Ratio Lower Upper

114 100

63 20.9 19.0 28.4

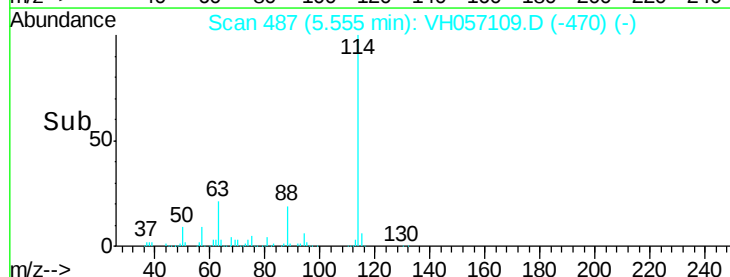
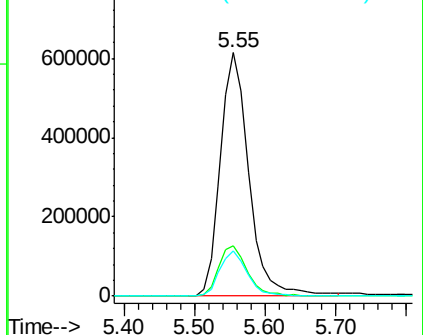
88 18.7 15.7 23.5

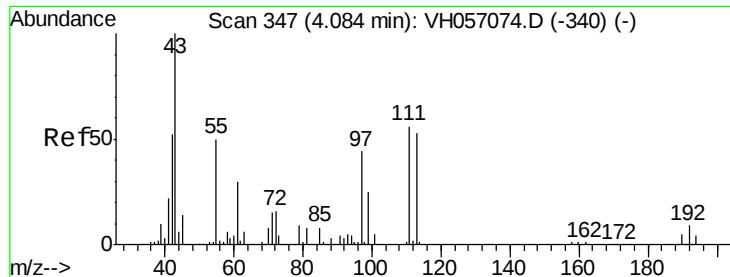


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VH0

Ion 88.00 (87.70 to 88.70): VH0

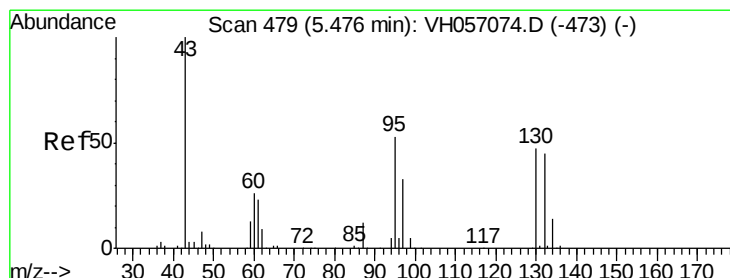
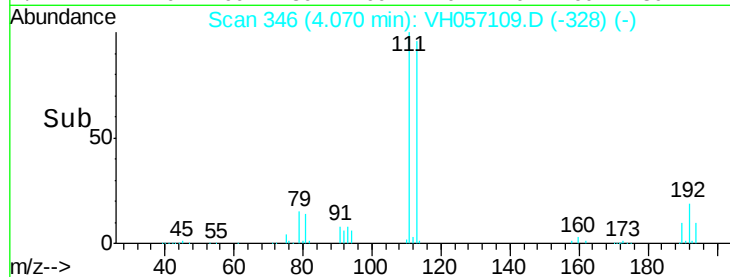
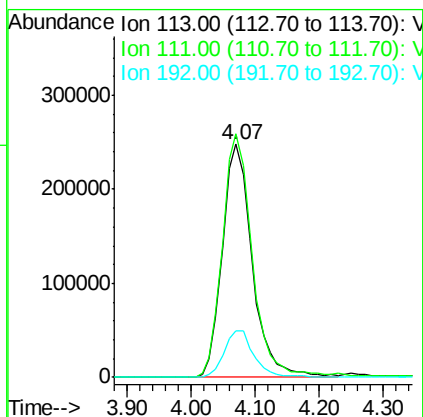
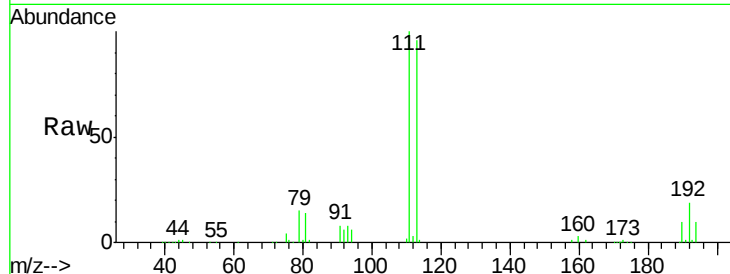




#35
 Dibromofluoromethane
 Concen: 58.95 ug/l
 RT: 4.07 min Scan# 346
 Delta R.T. -0.01 min
 Lab File: VH057109.D
 Acq: 22 Sep 2015 17:54

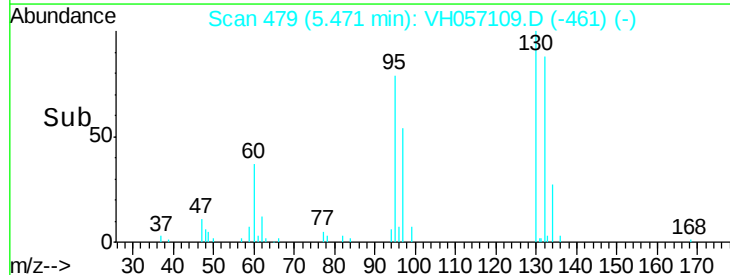
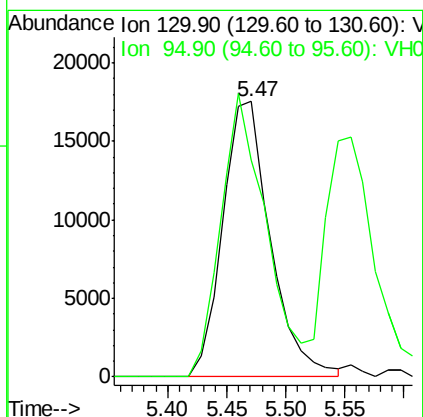
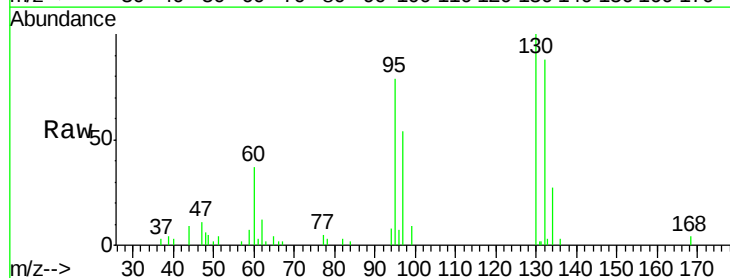
Instrument :
 MSVOA_H
 ClientSampleId :
 ERD45-CS10-3ME

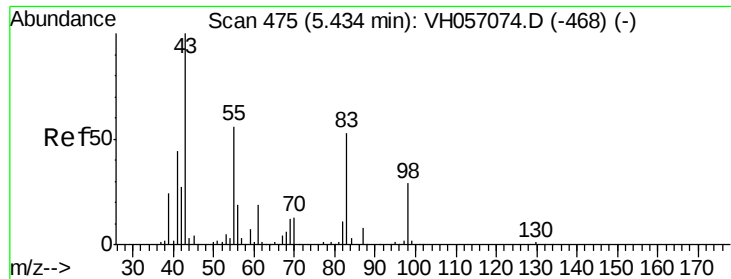
Tgt Ion:113 Resp: 805418
 Ion Ratio Lower Upper
 113 100
 111 104.4 84.0 126.0
 192 19.9 13.6 20.4



#43
 Trichloroethene
 Concen: 4.31 ug/l
 RT: 5.47 min Scan# 479
 Delta R.T. -0.01 min
 Lab File: VH057109.D
 Acq: 22 Sep 2015 17:54

Tgt Ion:130 Resp: 49152
 Ion Ratio Lower Upper
 130 100
 95 78.6 84.0 126.0#





#44

Methylcyclohexane

Concen: 1.23 ug/l

RT: 5.55 min Scan# 487

Delta R.T. 0.12 min

Lab File: VH057109.D

Acq: 22 Sep 2015 17:54

Instrument :

MSVOA_H

ClientSampleId :

ERD45-CS10-3ME

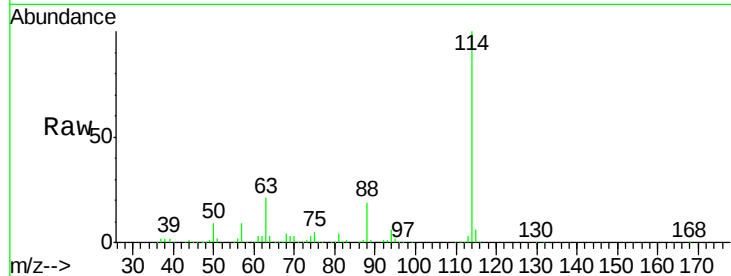
Tgt Ion: 83 Resp: 13323

Ion Ratio Lower Upper

83 100

55 31.6 0.0 207.2

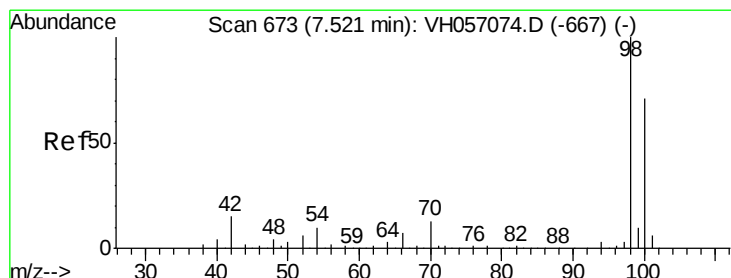
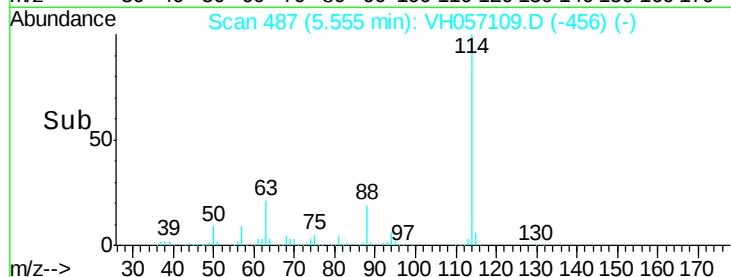
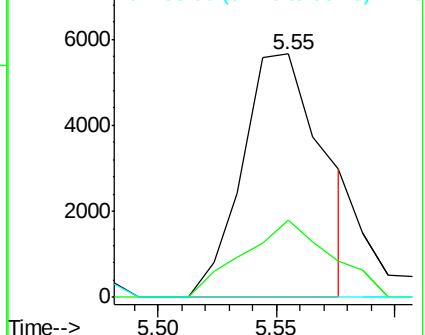
98 0.0 0.0 108.4



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: 58.83 ug/l

RT: 7.50 min Scan# 672

Delta R.T. -0.02 min

Lab File: VH057109.D

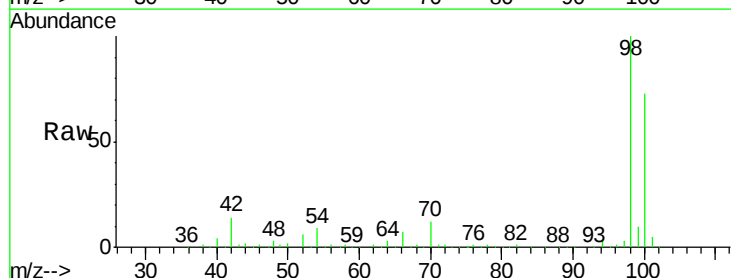
Acq: 22 Sep 2015 17:54

Tgt Ion: 98 Resp: 2311035

Ion Ratio Lower Upper

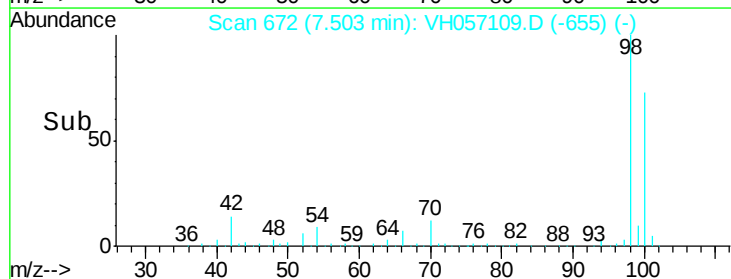
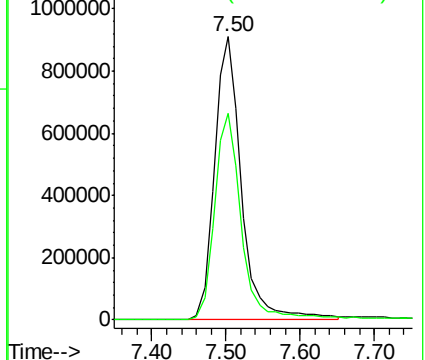
98 100

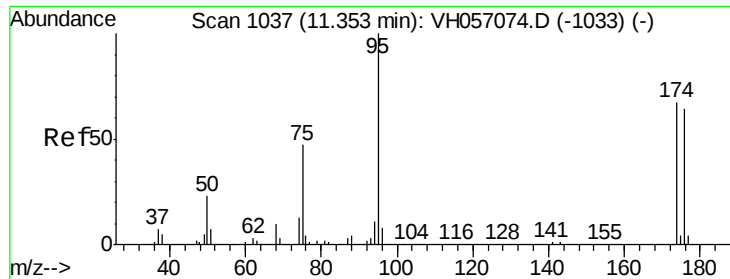
100 73.0 56.7 85.1



Abundance Ion 98.00 (97.70 to 98.70): VH0

Ion 100.00 (99.70 to 100.70): VH0





#62

4-Bromofluorobenzene

Concen: 60.84 ug/l

RT: 11.35 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VH057109.D

Acq: 22 Sep 2015 17:54

Instrument :

MSVOA_H

ClientSampleId :

ERD45-CS10-3ME

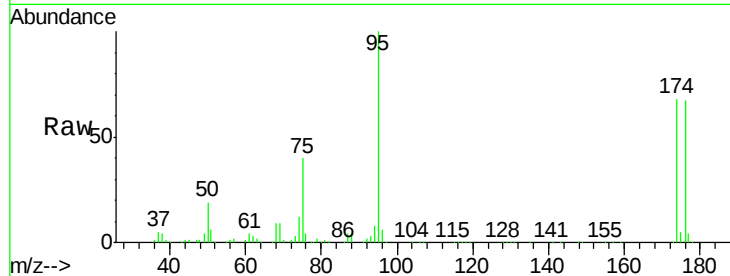
Tgt Ion: 95 Resp: 806072

Ion Ratio Lower Upper

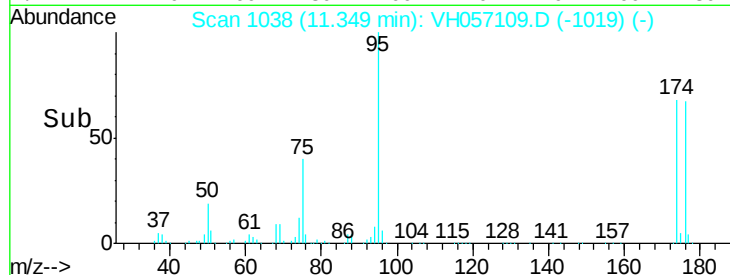
95 100

174 68.4 58.4 87.6

176 67.1 54.3 81.5



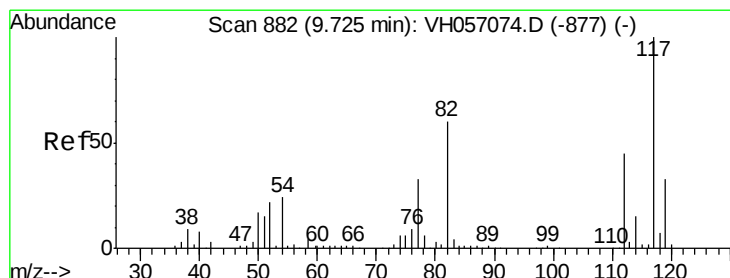
Abundance Ion 95.00 (94.70 to 95.70): VH057109.D (-1019) (-)



Ion 174.00 (173.70 to 174.70): VH057109.D (-1019) (-)

Ion 176.00 (175.70 to 176.70): VH057109.D (-1019) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 882

Delta R.T. -0.02 min

Lab File: VH057109.D

Acq: 22 Sep 2015 17:54

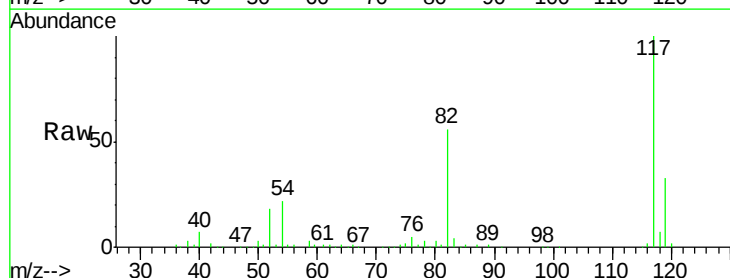
Tgt Ion: 117 Resp: 1379298

Ion Ratio Lower Upper

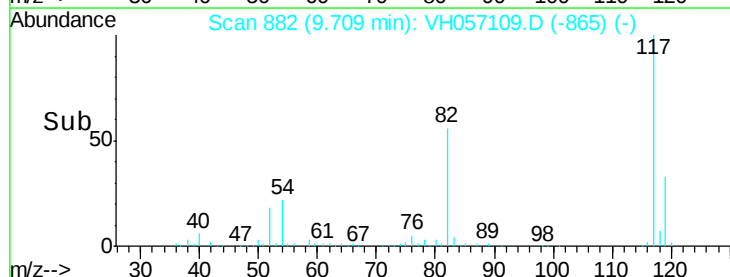
117 100

82 56.3 51.0 76.6

119 33.0 26.7 40.1



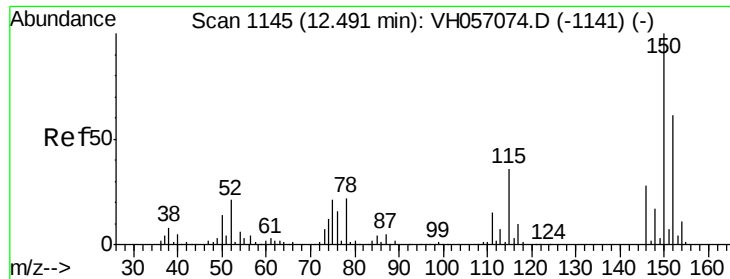
Abundance Ion 117.00 (116.70 to 117.70): VH057109.D (-865) (-)



Ion 82.00 (81.70 to 82.70): VH057109.D (-865) (-)

Ion 119.00 (118.70 to 119.70): VH057109.D (-865) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.49 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VH057109.D

Acq: 22 Sep 2015 17:54

Instrument :

MSVOA_H

ClientSampleId :

ERD45-CS10-3ME

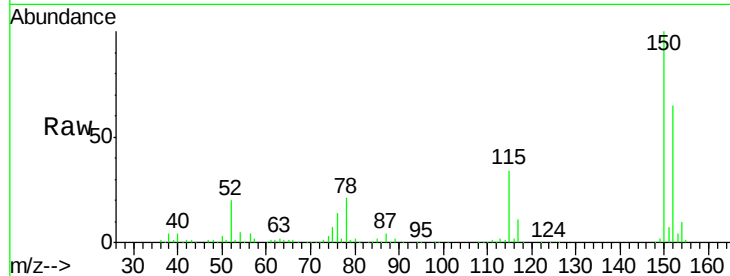
Tgt Ion:152 Resp: 424023

Ion Ratio Lower Upper

152 100

115 51.6 28.2 84.6

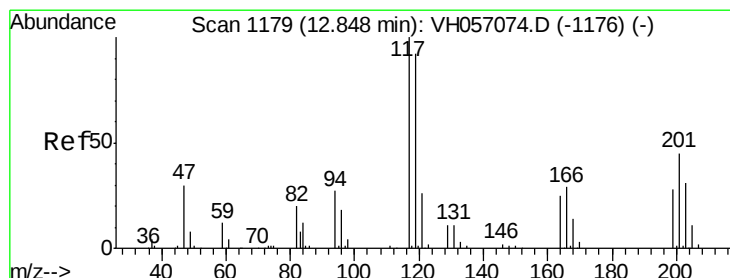
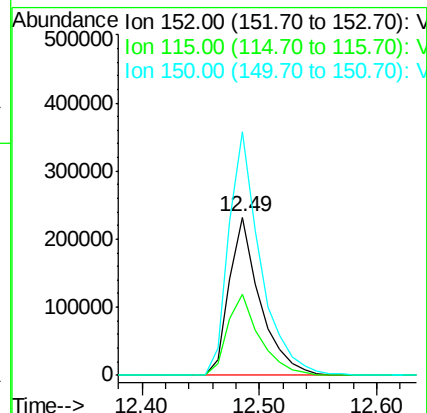
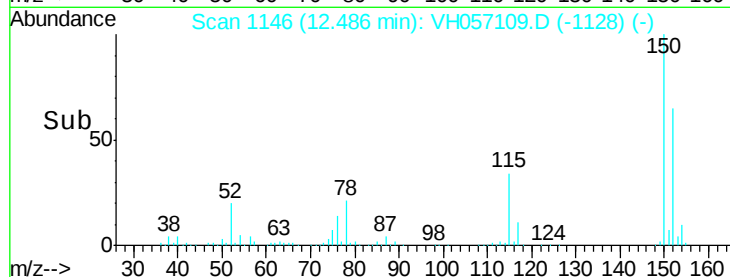
150 153.9 0.0 332.0



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: 12.86 min Scan# 1182

Delta R.T. 0.02 min

Lab File: VH057109.D

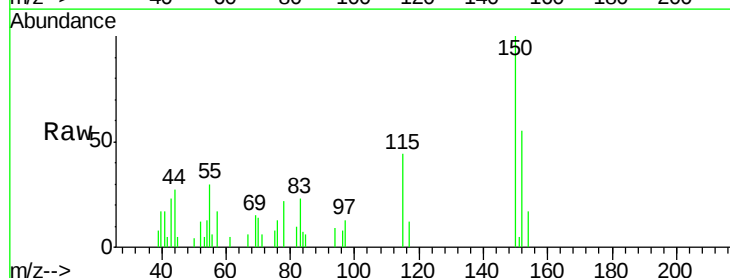
Acq: 22 Sep 2015 17:54

Tgt Ion:117 Resp: 1193

Ion Ratio Lower Upper

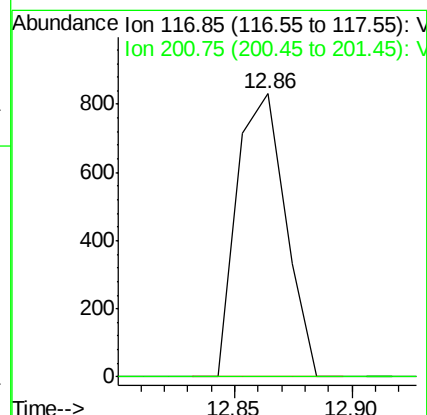
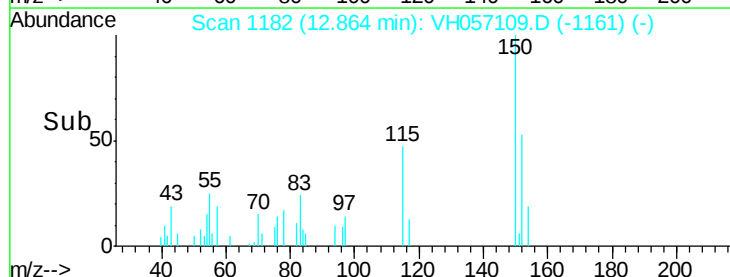
117 100

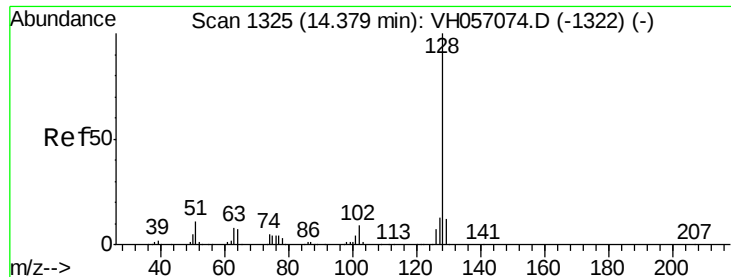
201 0.0 14.0 80.8#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

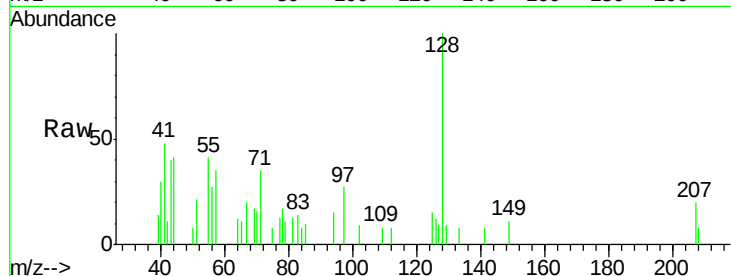




#95
Naphthalene
Concen: 5.48 ug/l
RT: 14.38 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VH057109.D
Acq: 22 Sep 2015 17:54

Instrument :
MSVOA_H
ClientSampleId :
ERD45-CS10-3ME

Tgt Ion:128 Resp: 7514
Ion Ratio Lower Upper
128 100
127 9.0 9.6 14.4#
129 9.0 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

