

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092115\
 Data File : VH057088.D
 Acq On : 21 Sep 2015 11:47
 Operator : SY/FY
 Sample : VH0921MBL01
 Misc : 5.00g/10mL/100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBL01

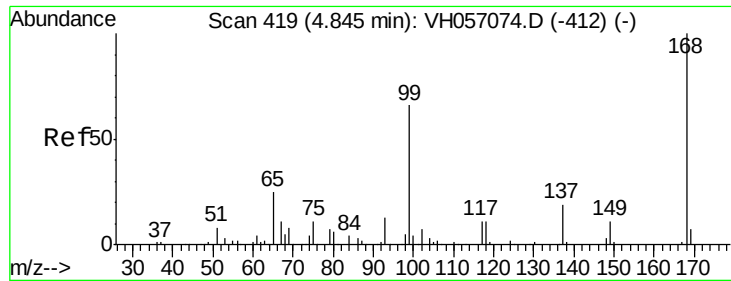
Quant Time: Sep 22 04:36:51 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:34:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.82	168	900911	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.55	114	1610419	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.70	117	1191326	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.49	152	329572	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		4.79	65	792130	49.24	ug/l	-0.02
Spiked Amount	50.000	Range	66 - 150	Recovery	=	98.48%	
35) Dibromofluoromethane		4.06	113	676375	52.75	ug/l	-0.02
Spiked Amount	50.000	Range	76 - 130	Recovery	=	105.50%	
48) Toluene-d8		7.50	98	1823659	49.46	ug/l	-0.02
Spiked Amount	50.000	Range	78 - 121	Recovery	=	98.92%	
62) 4-Bromofluorobenzene		11.35	95	611627	49.19	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	98.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.90	85	289	0.70	ug/l	# 43
5) Bromomethane	1.25	94	2087	Below	Cal	# 1
6) Chloroethane	1.32	64	392	Below	Cal	# 1
13) Acrolein	1.84	56	865	0.50	ug/l	89
17) Acetone	2.29	43	1022	Below	Cal	94
44) Methylcyclohexane	5.55	83	12373	1.21	ug/l	37
53) 1,4-Dioxane	6.67	88	5623	36.27	ug/l	# 79
85) sec-Butylbenzene	12.24	105	4309	0.22	ug/l	# 49
86) p-Isopropyltoluene	12.39	119	3627	0.24	ug/l	96
89) n-Butylbenzene	12.77	91	4952	0.41	ug/l	94
90) Hexachloroethane	12.86	117	1138	0.36	ug/l	# 29
93) 1,2,4-Trichlorobenzene	14.13	180	1557	4.45	ug/l	# 56
94) Hexachlorobutadiene	14.11	225	4136	4.34	ug/l	# 70
95) Naphthalene	14.38	128	4677	5.36	ug/l	# 78
96) 1,2,3-Trichlorobenzene	14.52	180	1666	6.85	ug/l	# 81

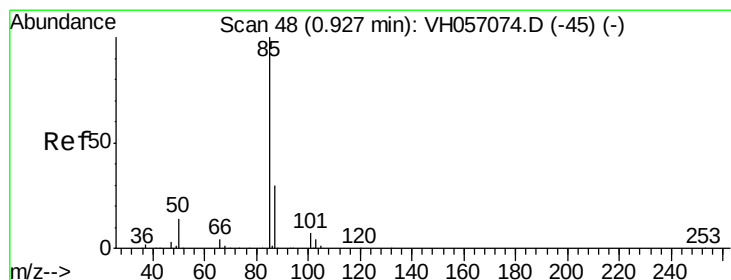
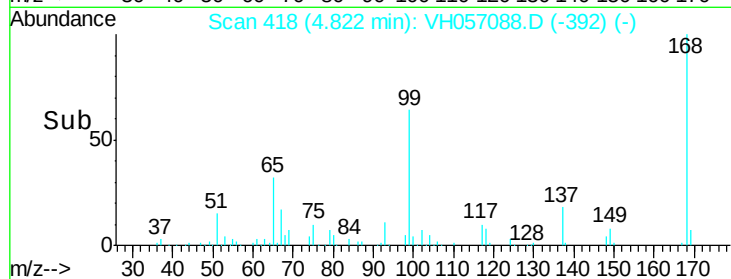
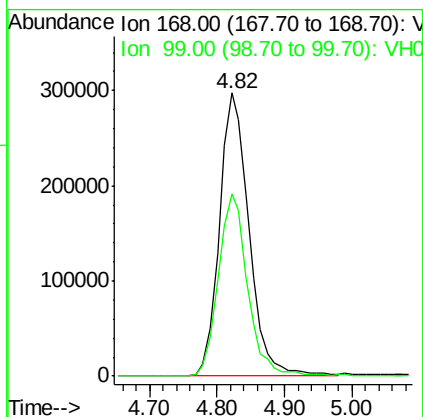
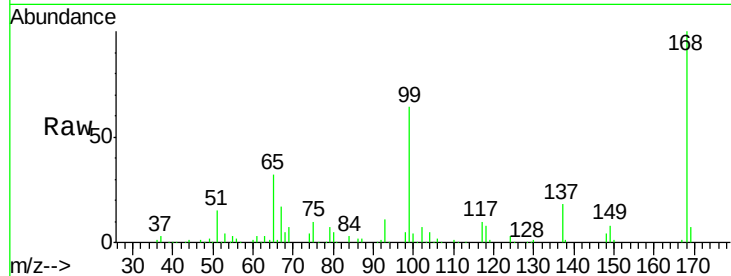
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 4.82 min Scan# 418
Delta R.T. -0.02 min
Lab File: VH057088.D
Acq: 21 Sep 2015 11:47

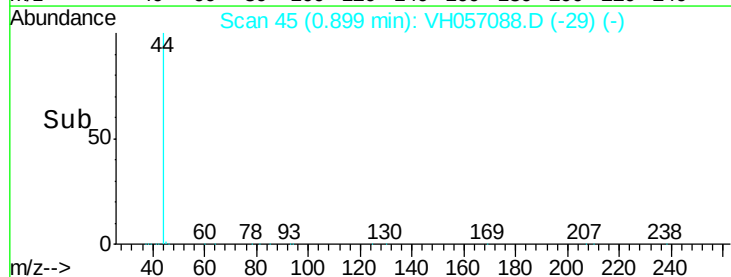
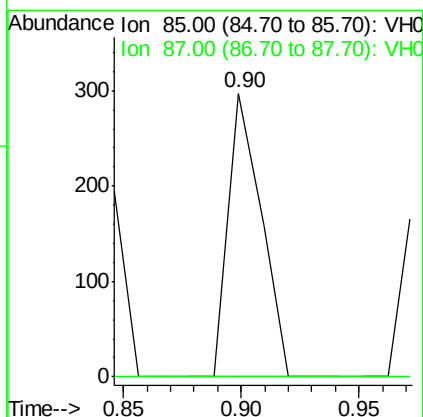
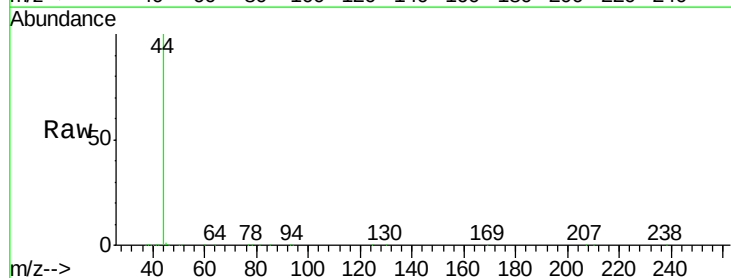
Instrument :
MSVOA_H
ClientSampleId :
VH0921MBL01

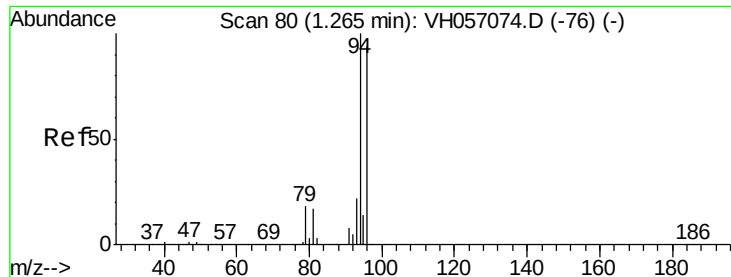
Tgt Ion: 168 Resp: 900911
Ion Ratio Lower Upper
168 100
99 64.3 55.8 83.6



#2
Dichlorodifluoromethane
Concen: 0.70 ug/l
RT: 0.90 min Scan# 45
Delta R.T. -0.03 min
Lab File: VH057088.D
Acq: 21 Sep 2015 11:47

Tgt Ion: 85 Resp: 289
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#





#5

Bromomethane

Concen: Below Cal

RT: 1.25 min Scan# 78

Delta R.T. -0.02 min

Lab File: VH057088.D

Acq: 21 Sep 2015 11:47

Instrument :

MSVOA_H

ClientSampleId :

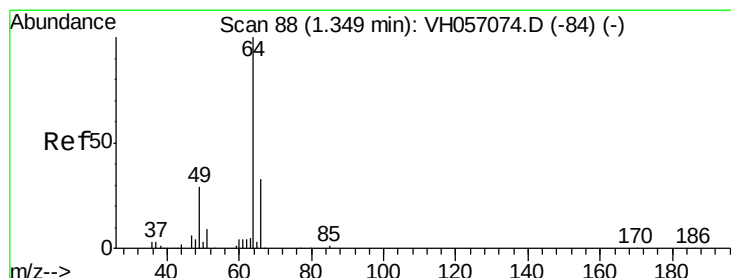
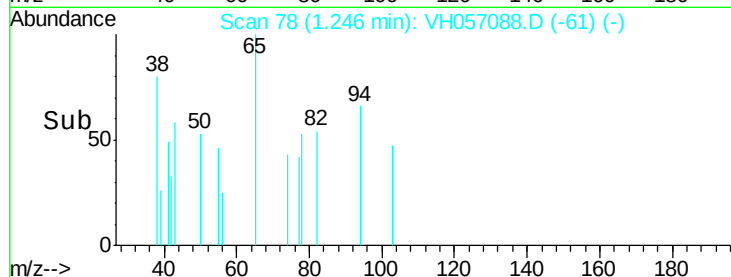
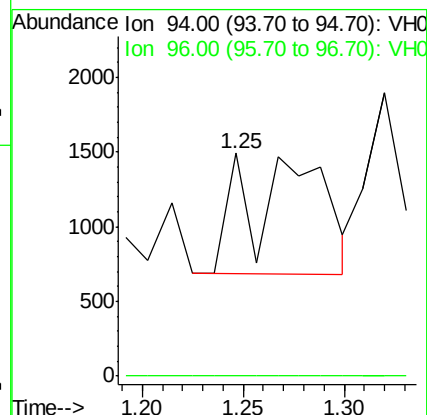
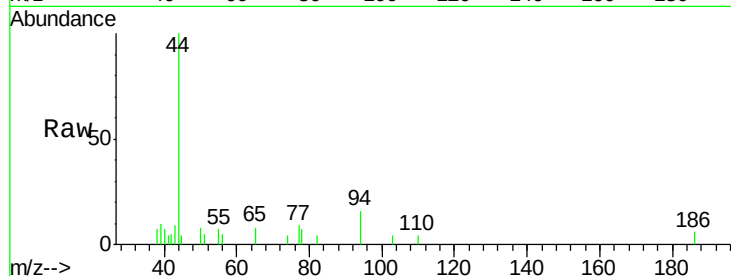
VH0921MBL01

Tgt Ion: 94 Resp: 2087

Ion Ratio Lower Upper

94 100

96 0.0 78.5 117.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.32 min Scan# 85

Delta R.T. -0.03 min

Lab File: VH057088.D

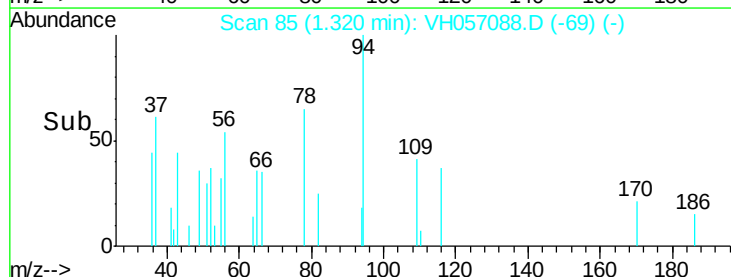
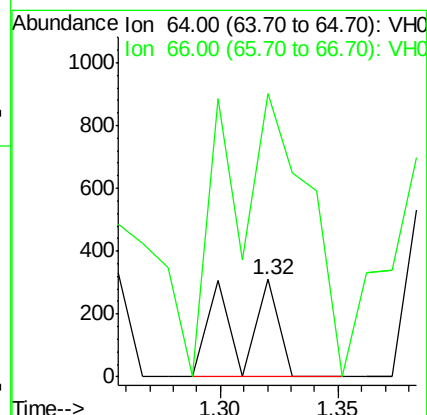
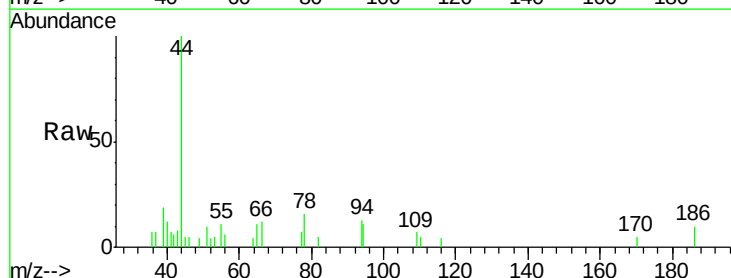
Acq: 21 Sep 2015 11:47

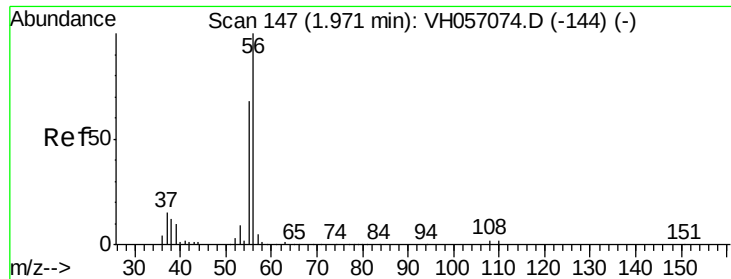
Tgt Ion: 64 Resp: 392

Ion Ratio Lower Upper

64 100

66 289.7 25.2 37.8#





#13

Acrolein

Concen: 0.50 ug/l

RT: 1.84 min Scan# 135

Delta R.T. -0.13 min

Lab File: VH057088.D

Acq: 21 Sep 2015 11:47

Instrument :

MSVOA_H

ClientSampleId :

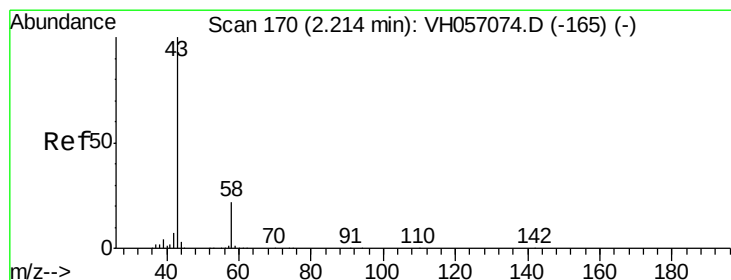
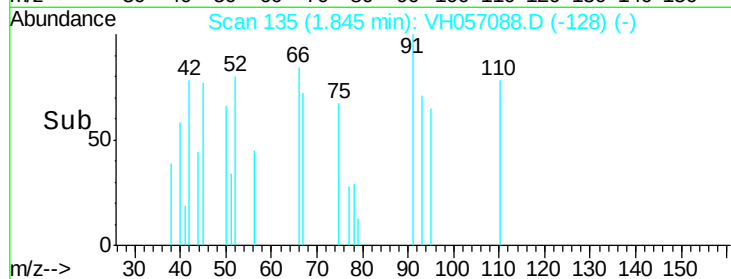
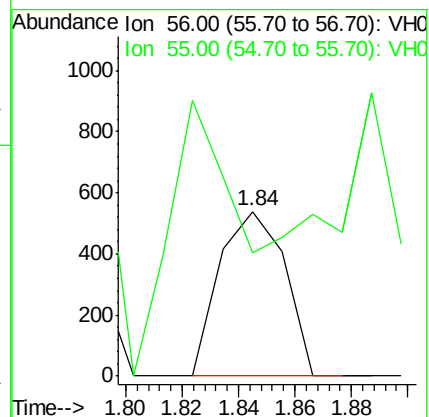
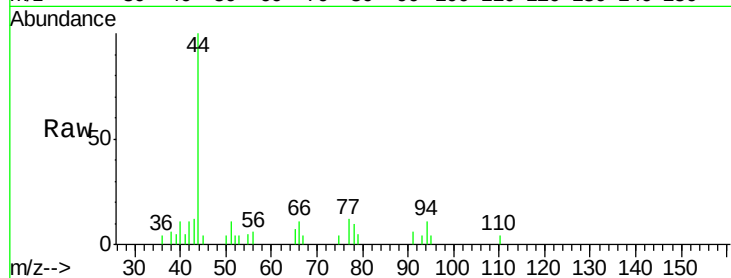
VH0921MBL01

Tgt Ion: 56 Resp: 865

Ion Ratio Lower Upper

56 100

55 75.1 52.9 79.3



#17

Acetone

Concen: Below Cal

RT: 2.29 min Scan# 177

Delta R.T. 0.07 min

Lab File: VH057088.D

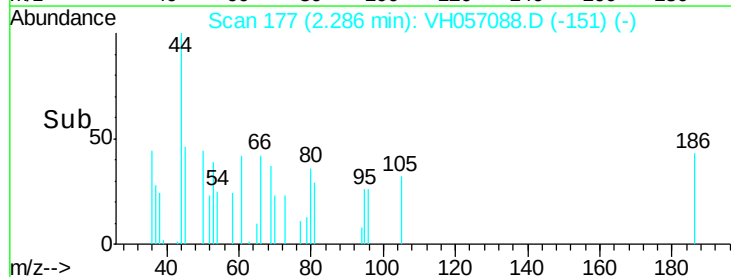
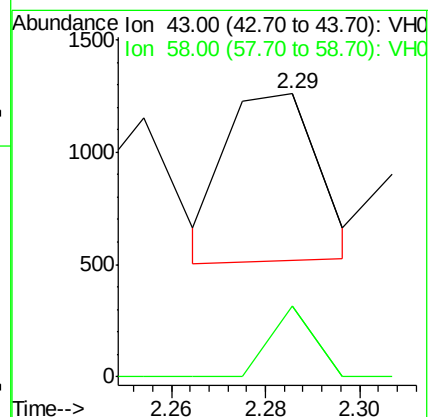
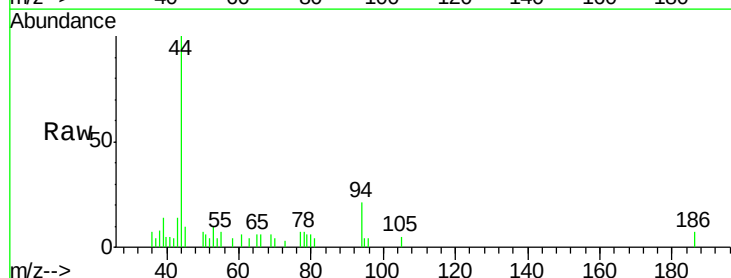
Acq: 21 Sep 2015 11:47

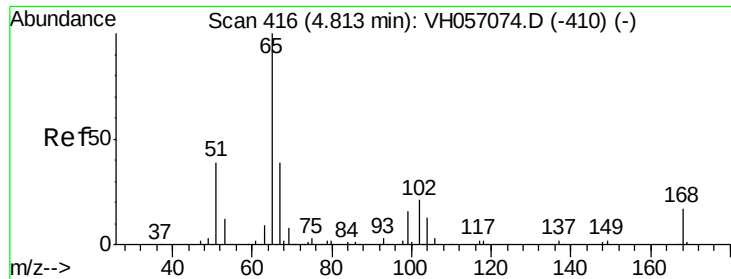
Tgt Ion: 43 Resp: 1022

Ion Ratio Lower Upper

43 100

58 25.1 17.7 26.5

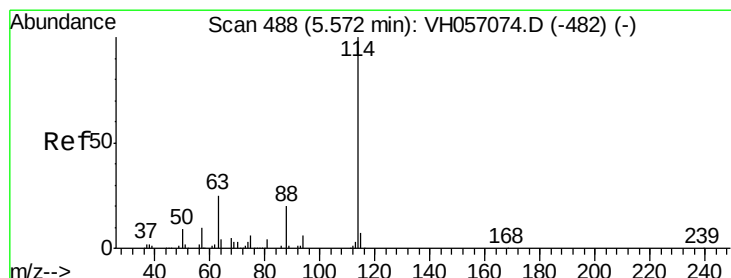
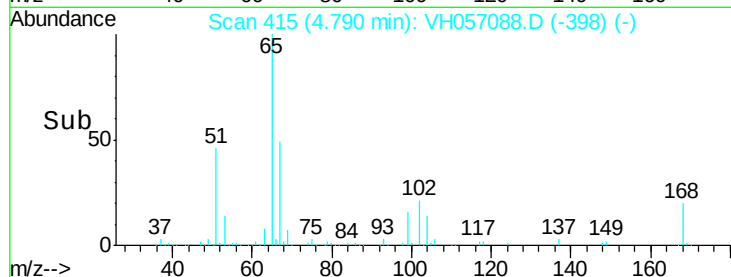
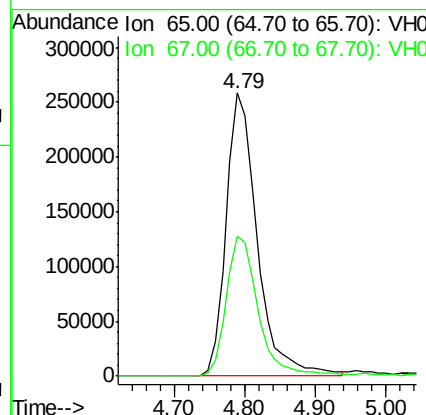
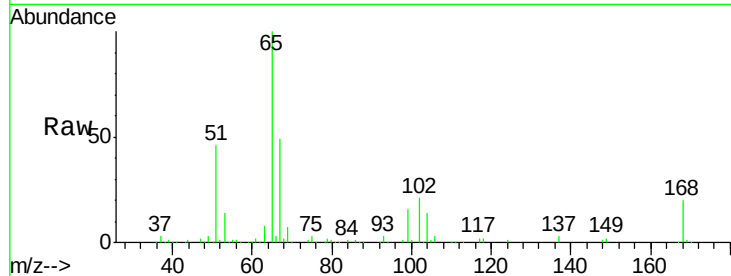




#33
 1,2-Dichloroethane-d4
 Concen: 49.24 ug/l
 RT: 4.79 min Scan# 415
 Delta R.T. -0.02 min
 Lab File: VH057088.D
 Acq: 21 Sep 2015 11:47

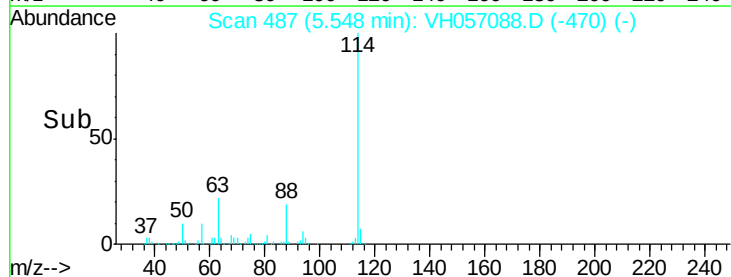
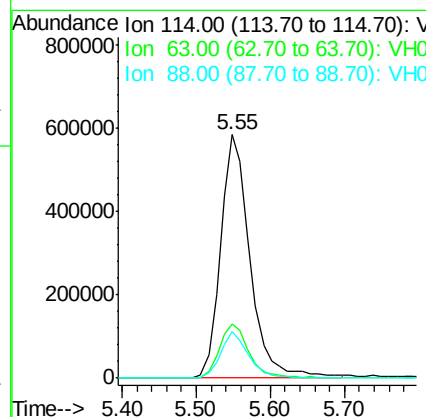
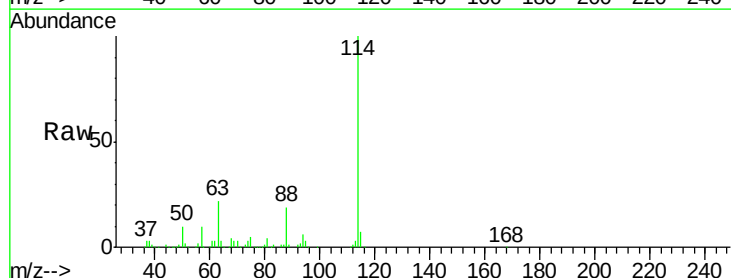
Instrument :
 MSVOA_H
 ClientSampleID :
 VH0921MBL01

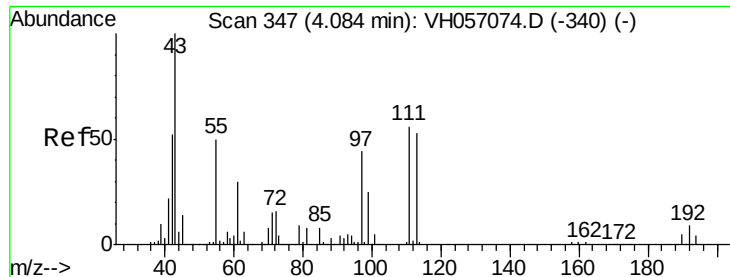
Tgt Ion: 65 Resp: 792130
 Ion Ratio Lower Upper
 65 100
 67 49.4 43.2 64.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: VH057088.D
 Acq: 21 Sep 2015 11:47

Tgt Ion: 114 Resp: 1610419
 Ion Ratio Lower Upper
 114 100
 63 22.4 19.0 28.4
 88 19.0 15.7 23.5





#35

Dibromofluoromethane

Concen: 52.75 ug/l

RT: 4.06 min Scan# 346

Delta R.T. -0.02 min

Lab File: VH057088.D

Acq: 21 Sep 2015 11:47

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBL01

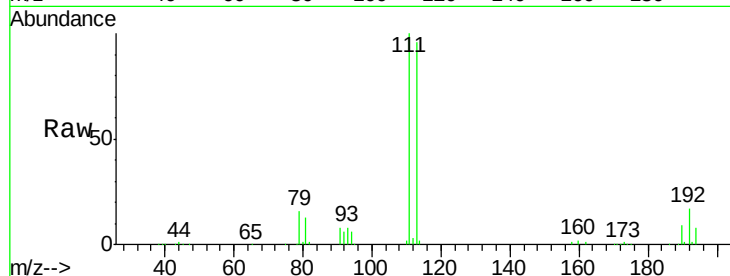
Tgt Ion:113 Resp: 676375

Ion Ratio Lower Upper

113 100

111 103.9 84.0 126.0

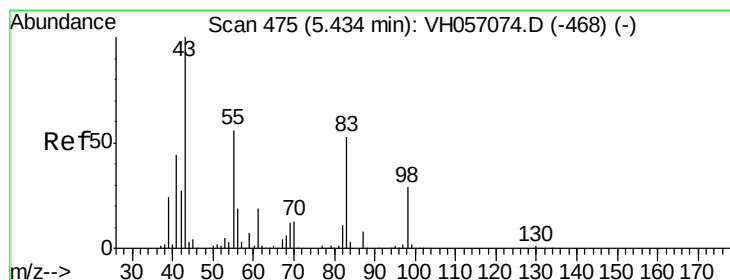
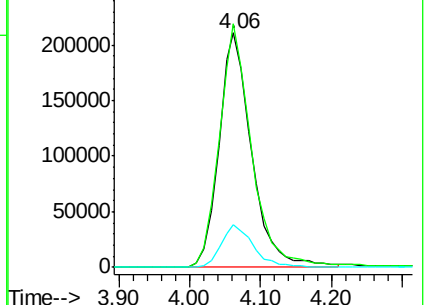
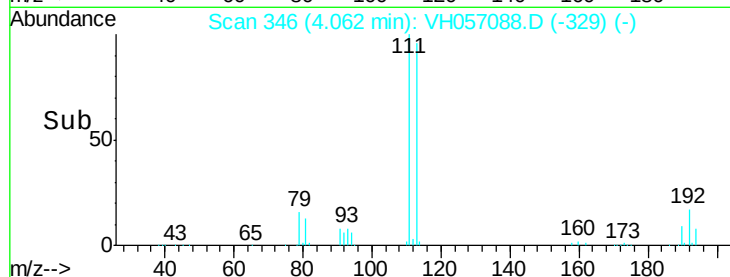
192 18.0 13.6 20.4



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



#44

Methylcyclohexane

Concen: 1.21 ug/l

RT: 5.55 min Scan# 487

Delta R.T. 0.11 min

Lab File: VH057088.D

Acq: 21 Sep 2015 11:47

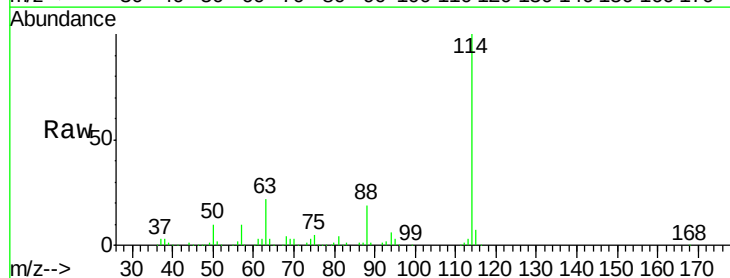
Tgt Ion: 83 Resp: 12373

Ion Ratio Lower Upper

83 100

55 45.3 0.0 207.2

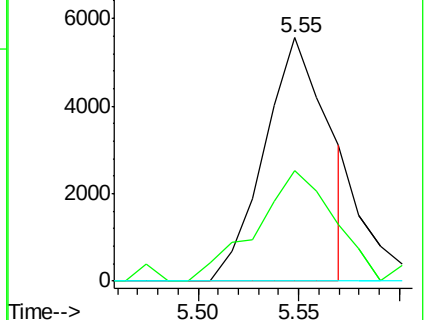
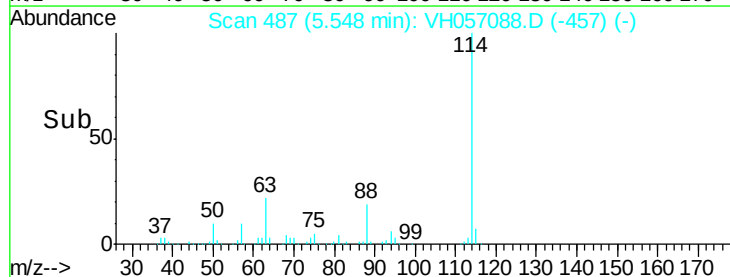
98 0.0 0.0 108.4

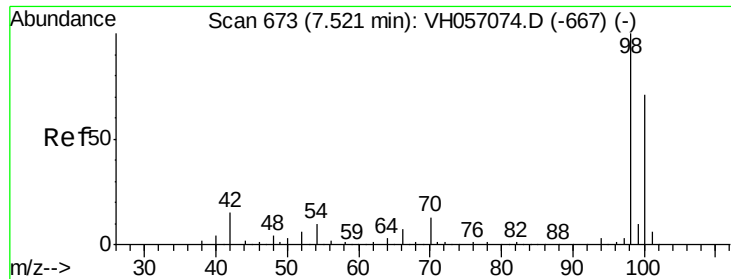


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V

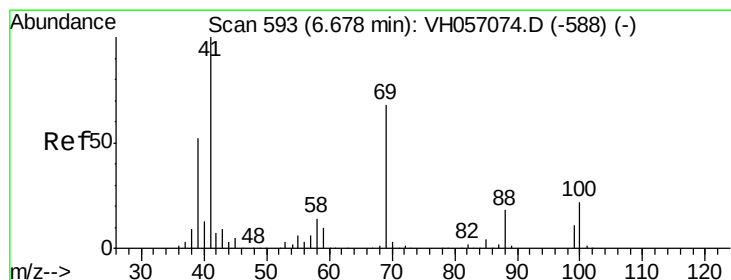
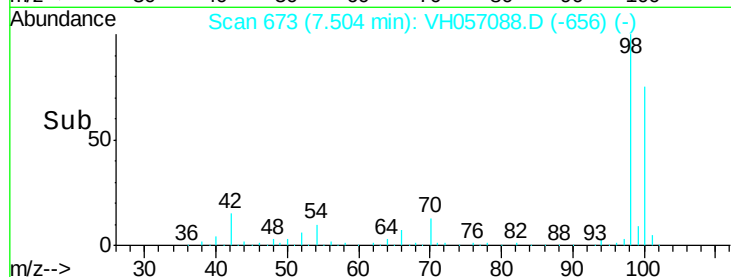
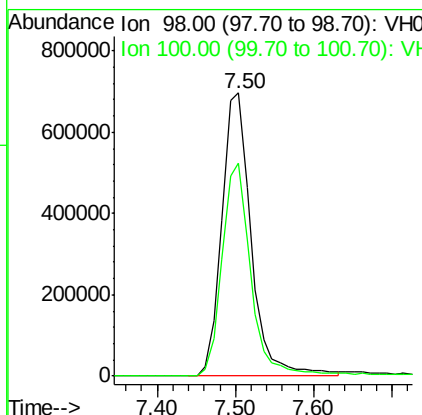
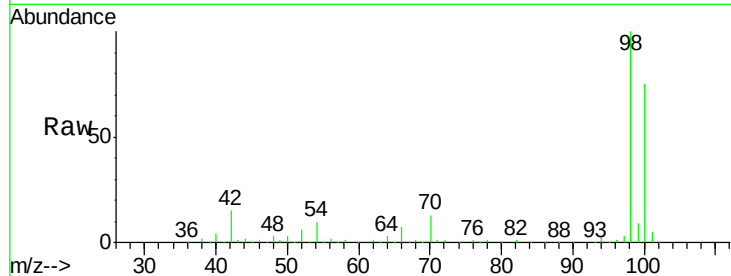




#48
Toluene-d8
Concen: 49.46 ug/l
RT: 7.50 min Scan# 673
Delta R.T. -0.02 min
Lab File: VH057088.D
Acq: 21 Sep 2015 11:47

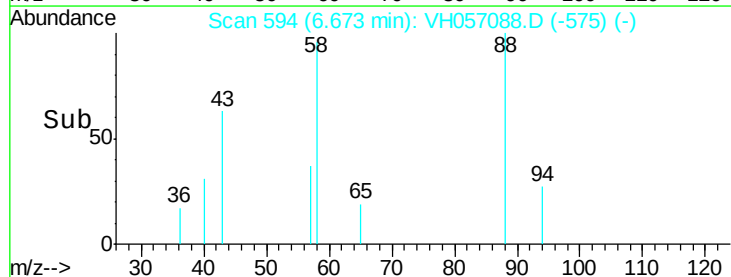
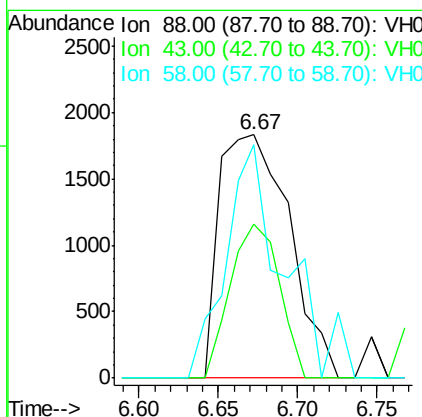
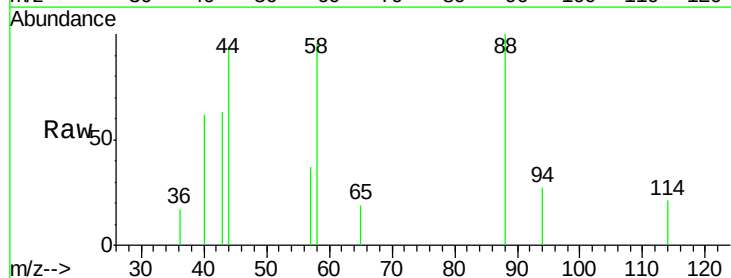
Instrument :
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VH0921MBL01

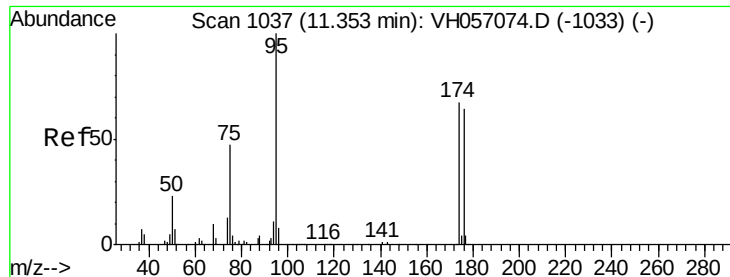
Tgt Ion: 98 Resp: 1823659
Ion Ratio Lower Upper
98 100
100 75.0 56.7 85.1



#53
1,4-Dioxane
Concen: 36.27 ug/l
RT: 6.67 min Scan# 594
Delta R.T. -0.01 min
Lab File: VH057088.D
Acq: 21 Sep 2015 11:47

Tgt Ion: 88 Resp: 5623
Ion Ratio Lower Upper
88 100
43 63.4 39.6 59.4#
58 95.6 61.4 92.2#





#62

4-Bromofluorobenzene

Concen: 49.19 ug/l

RT: 11.35 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VH057088.D

Acq: 21 Sep 2015 11:47

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBL01

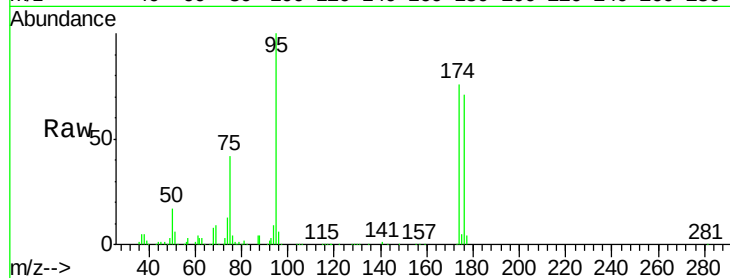
Tgt Ion: 95 Resp: 611627

Ion Ratio Lower Upper

95 100

174 76.1 58.4 87.6

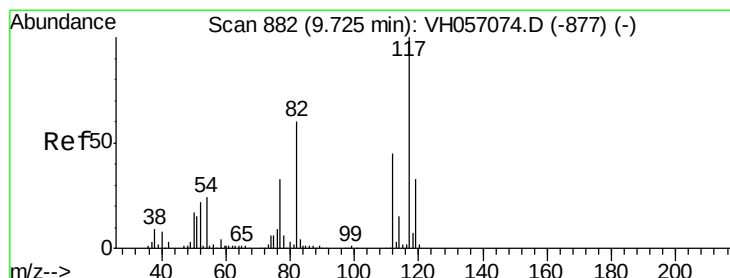
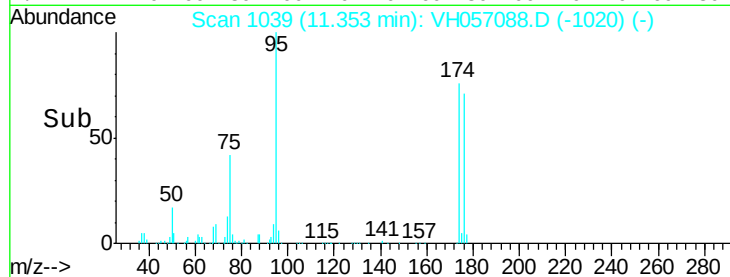
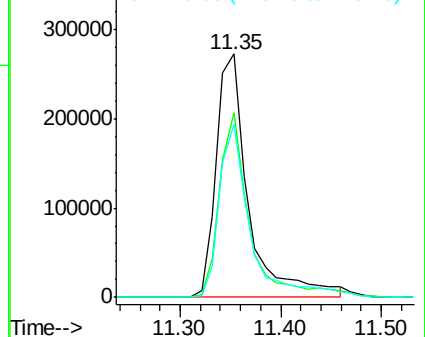
176 71.3 54.3 81.5



Abundance Ion 95.00 (94.70 to 95.70): VH057074.D (-1033) (-)

Ion 174.00 (173.70 to 174.70): VH057074.D (-1033) (-)

Ion 176.00 (175.70 to 176.70): VH057074.D (-1033) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.70 min Scan# 882

Delta R.T. -0.02 min

Lab File: VH057088.D

Acq: 21 Sep 2015 11:47

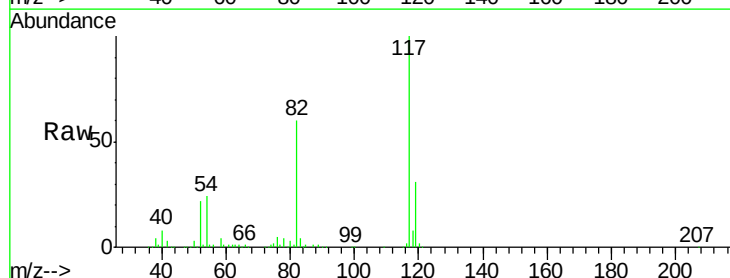
Tgt Ion: 117 Resp: 1191326

Ion Ratio Lower Upper

117 100

82 60.1 51.0 76.6

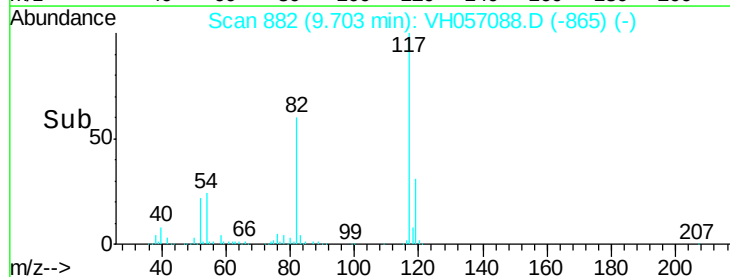
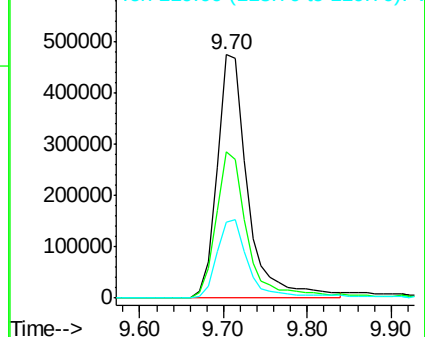
119 31.2 26.7 40.1

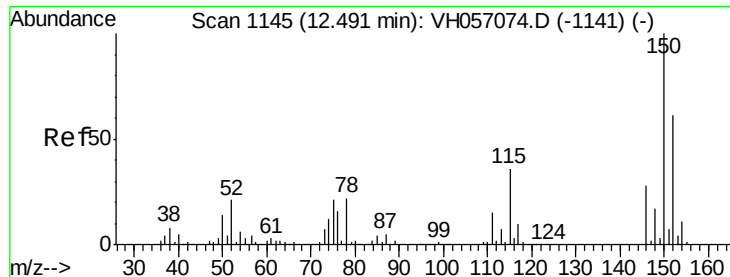


Abundance Ion 117.00 (116.70 to 117.70): VH057074.D (-877) (-)

Ion 82.00 (81.70 to 82.70): VH057074.D (-877) (-)

Ion 119.00 (118.70 to 119.70): VH057074.D (-877) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.49 min Scan# 1147

Delta R.T. -0.00 min

Lab File: VH057088.D

Acq: 21 Sep 2015 11:47

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBL01

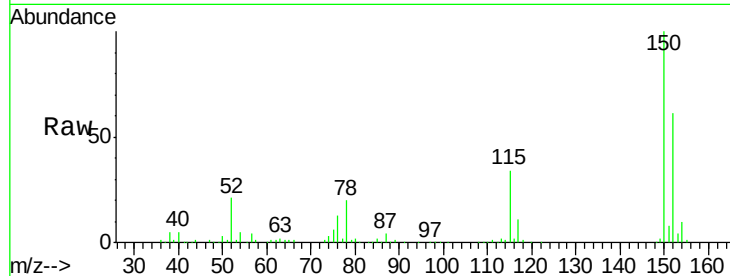
Tgt Ion:152 Resp: 329572

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.6

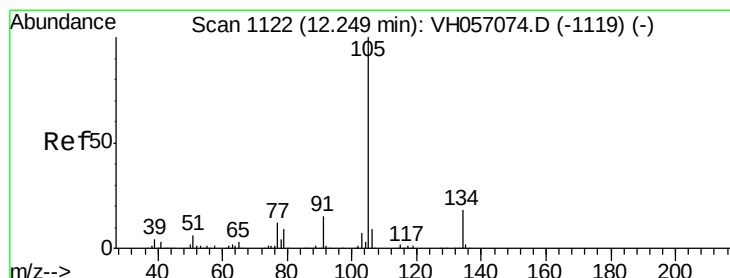
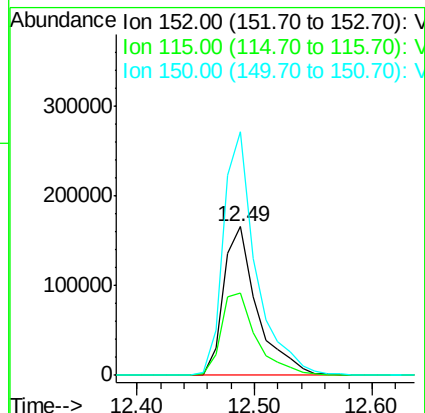
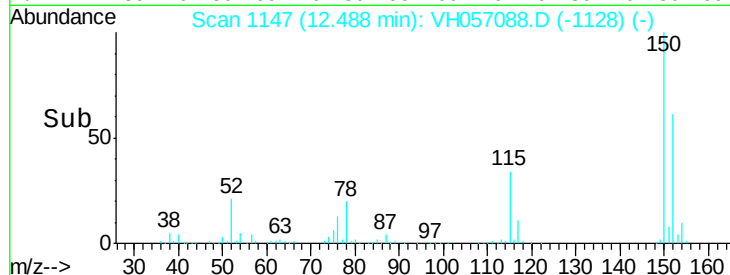
150 164.2 0.0 332.0



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



#85

sec-Butylbenzene

Concen: 0.22 ug/l

RT: 12.24 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VH057088.D

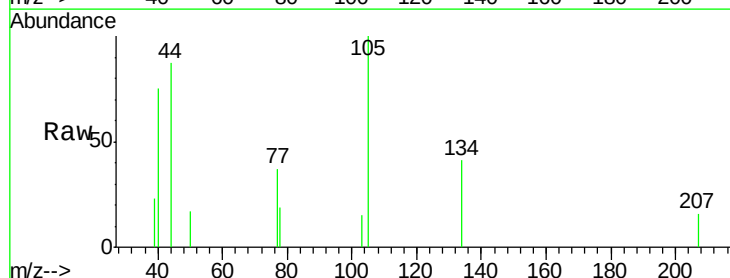
Acq: 21 Sep 2015 11:47

Tgt Ion:105 Resp: 4309

Ion Ratio Lower Upper

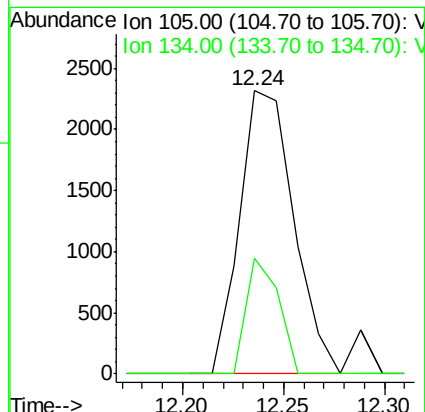
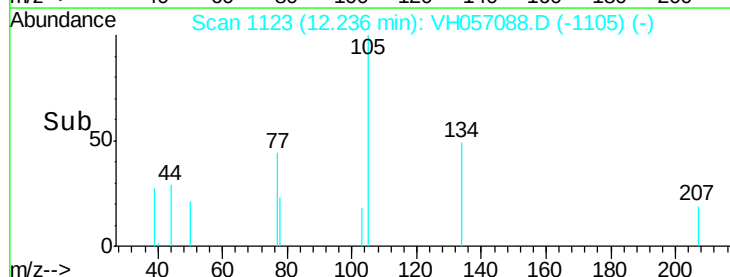
105 100

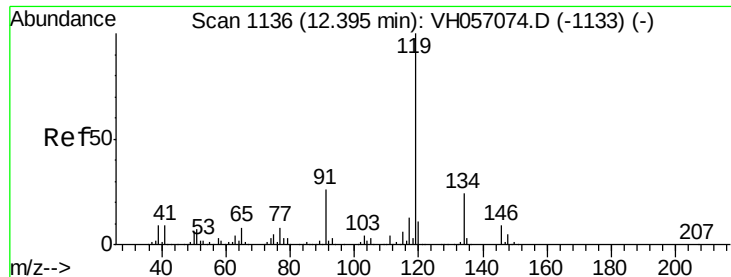
134 40.9 9.1 27.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

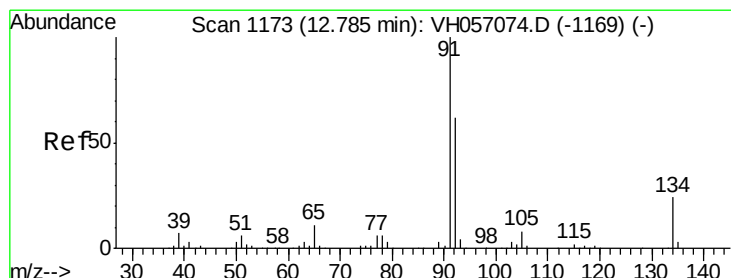
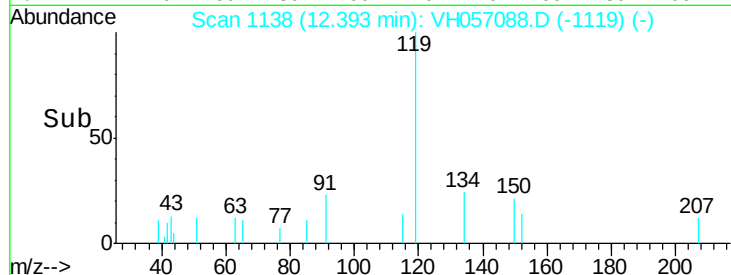
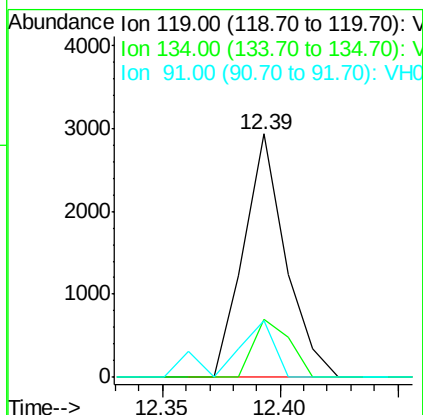
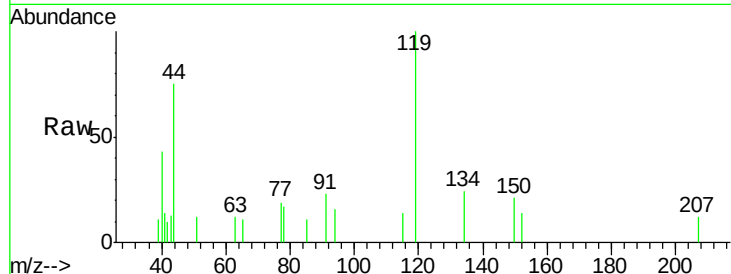




#86
 p-Isopropyltoluene
 Concen: 0.24 ug/l
 RT: 12.39 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VH057088.D
 Acq: 21 Sep 2015 11:47

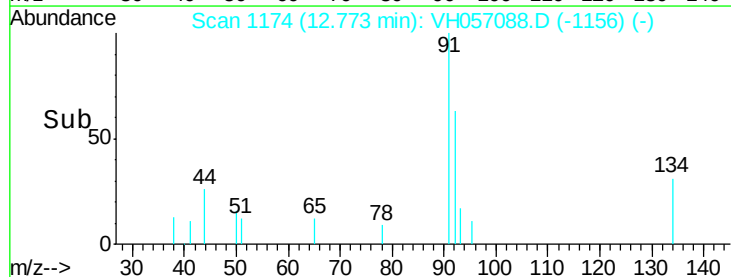
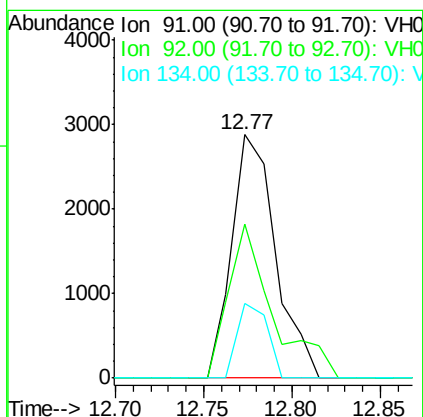
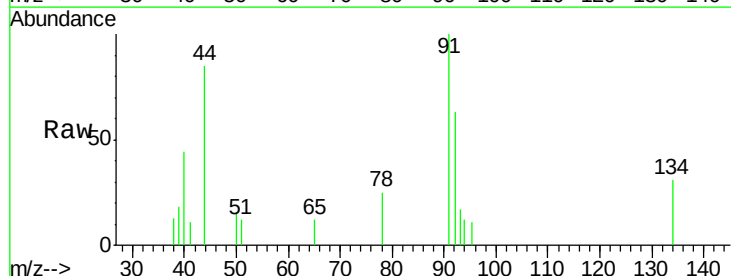
Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBL01

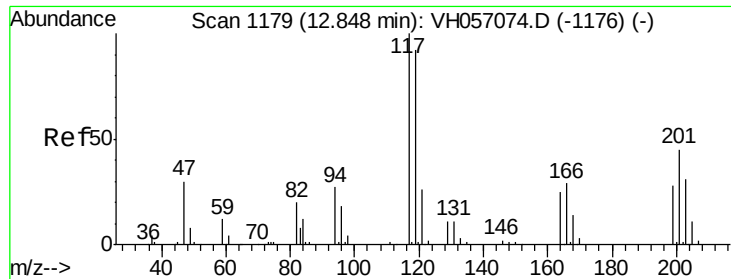
Tgt Ion: 119 Resp: 3627
 Ion Ratio Lower Upper
 119 100
 134 23.8 13.0 38.9
 91 23.4 12.5 37.5



#89
 n-Butylbenzene
 Concen: 0.41 ug/l
 RT: 12.77 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VH057088.D
 Acq: 21 Sep 2015 11:47

Tgt Ion: 91 Resp: 4952
 Ion Ratio Lower Upper
 91 100
 92 63.2 31.3 93.9
 134 30.7 10.5 31.6





#90

Hexachloroethane

Concen: 0.36 ug/l

RT: 12.86 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VH057088.D

Acq: 21 Sep 2015 11:47

Instrument :

MSVOA_H

ClientSampleId :

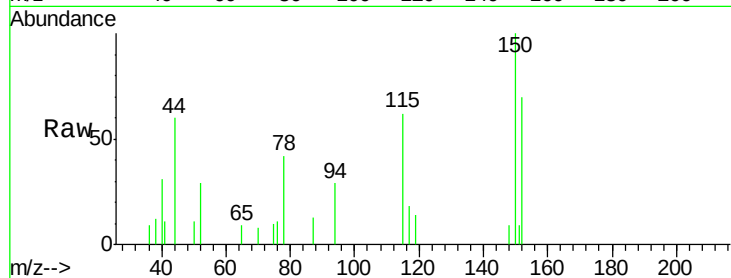
VH0921MBL01

Tgt Ion:117 Resp: 1138

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

12.86

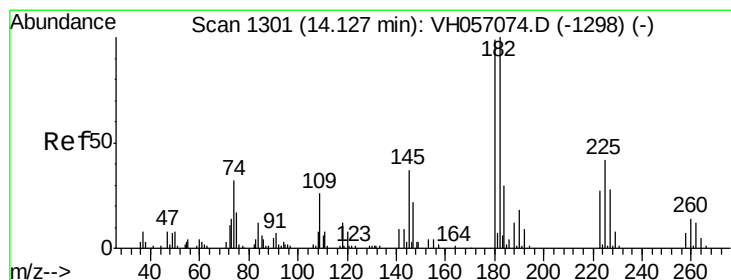
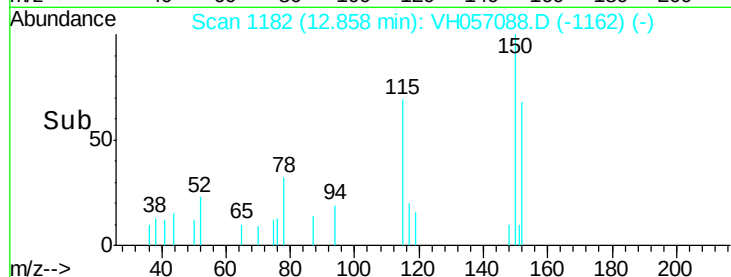
600

400

200

0

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 4.45 ug/l

RT: 14.13 min Scan# 1303

Delta R.T. -0.00 min

Lab File: VH057088.D

Acq: 21 Sep 2015 11:47

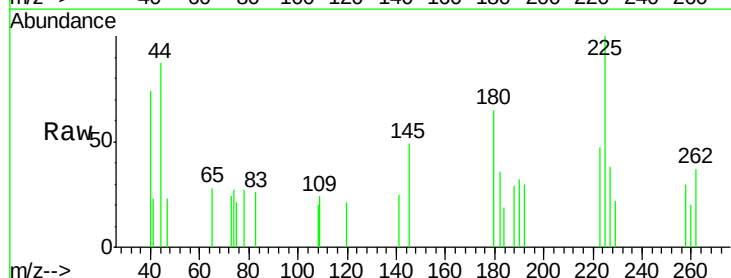
Tgt Ion:180 Resp: 1557

Ion Ratio Lower Upper

180 100

182 55.3 43.0 129.2

145 75.7 17.3 52.0#



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

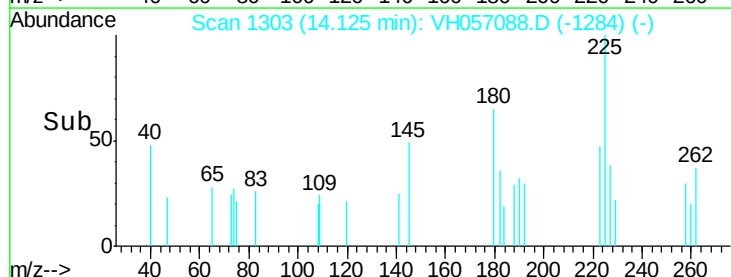
14.13

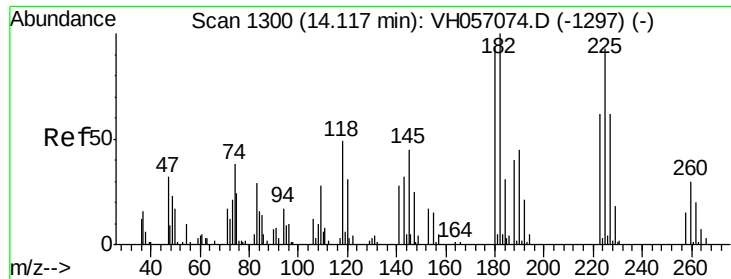
1000

500

0

Time-->





#94

Hexachlorobutadiene

Concen: 4.34 ug/l

RT: 14.11 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VH057088.D

Acq: 21 Sep 2015 11:47

Instrument :

MSVOA_H

ClientSampleId :

VH0921MBL01

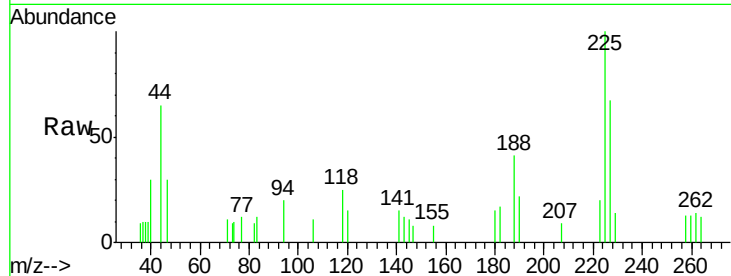
Tgt Ion:225 Resp: 4136

Ion Ratio Lower Upper

225 100

223 20.3 30.3 90.8#

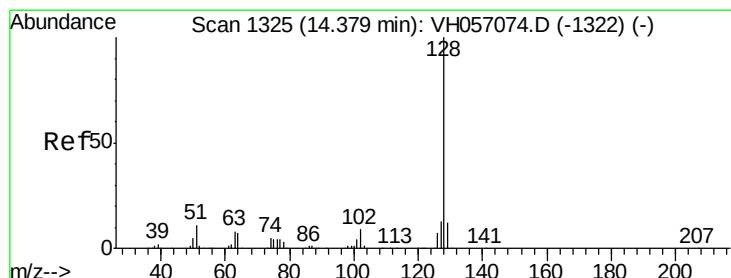
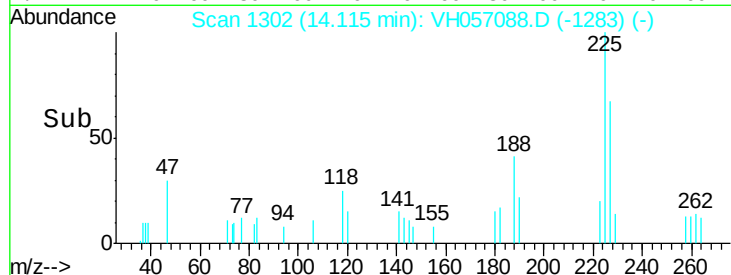
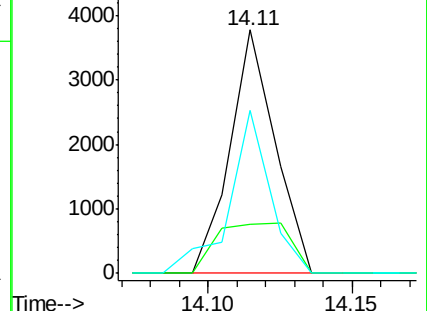
227 66.7 30.5 91.5



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#95

Naphthalene

Concen: 5.36 ug/l

RT: 14.38 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VH057088.D

Acq: 21 Sep 2015 11:47

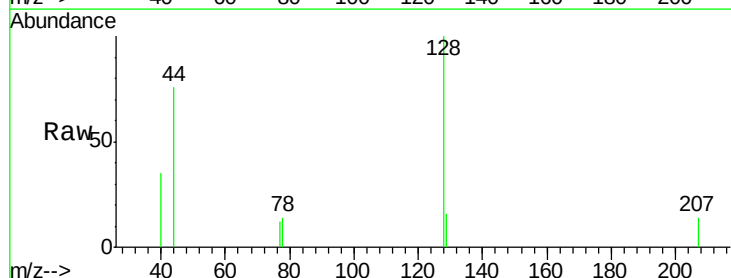
Tgt Ion:128 Resp: 4677

Ion Ratio Lower Upper

128 100

127 0.0 9.6 14.4#

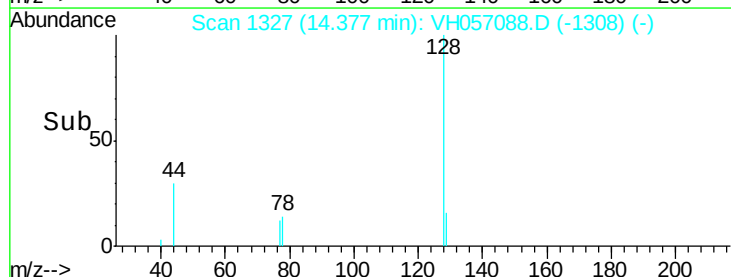
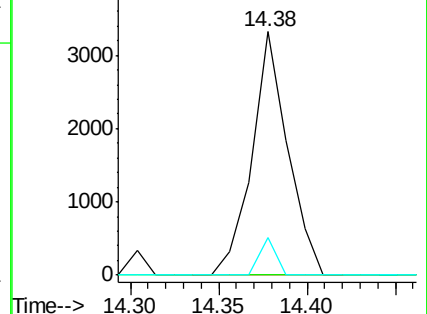
129 15.6 8.7 13.1#

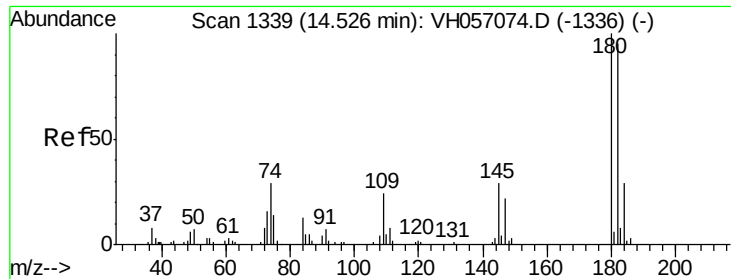


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

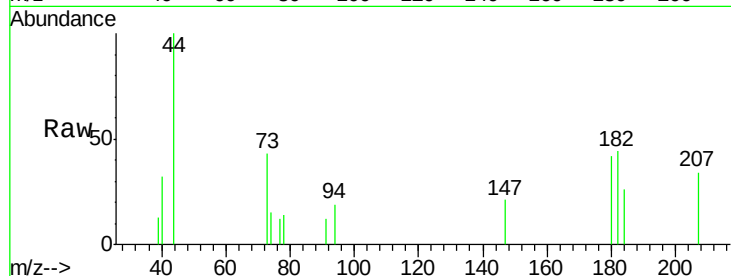




#96
 1,2,3-Trichlorobenzene
 Concen: 6.85 ug/l
 RT: 14.52 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VH057088.D
 Acq: 21 Sep 2015 11:47

Instrument :
 MSVOA_H
 ClientSampleId :
 VH0921MBL01

Tgt Ion:180 Resp: 1666
 Ion Ratio Lower Upper
 180 100
 182 104.1 47.1 141.3
 145 0.0 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

