

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH092115\
 Data File : VH057098.D
 Acq On : 21 Sep 2015 18:40
 Operator : SY/FY
 Sample : G3747-02
 Misc : 6.55/10mL/100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 TRENCH-1-2

Quant Time: Sep 22 11:52:22 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	783371	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.56	114	1367876	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.71	117	1086279	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.49	152	338670	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		4.81	65	523738	37.44	ug/l	0.00
Spiked Amount	50.000	Range	66 - 150	Recovery	=	74.88%	
35) Dibromofluoromethane		4.07	113	487988	44.81	ug/l	-0.01
Spiked Amount	50.000	Range	76 - 130	Recovery	=	89.62%	
48) Toluene-d8		7.50	98	1381762	44.12	ug/l	-0.02
Spiked Amount	50.000	Range	78 - 121	Recovery	=	88.24%	
62) 4-Bromofluorobenzene		11.35	95	477614	45.22	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	90.44%	

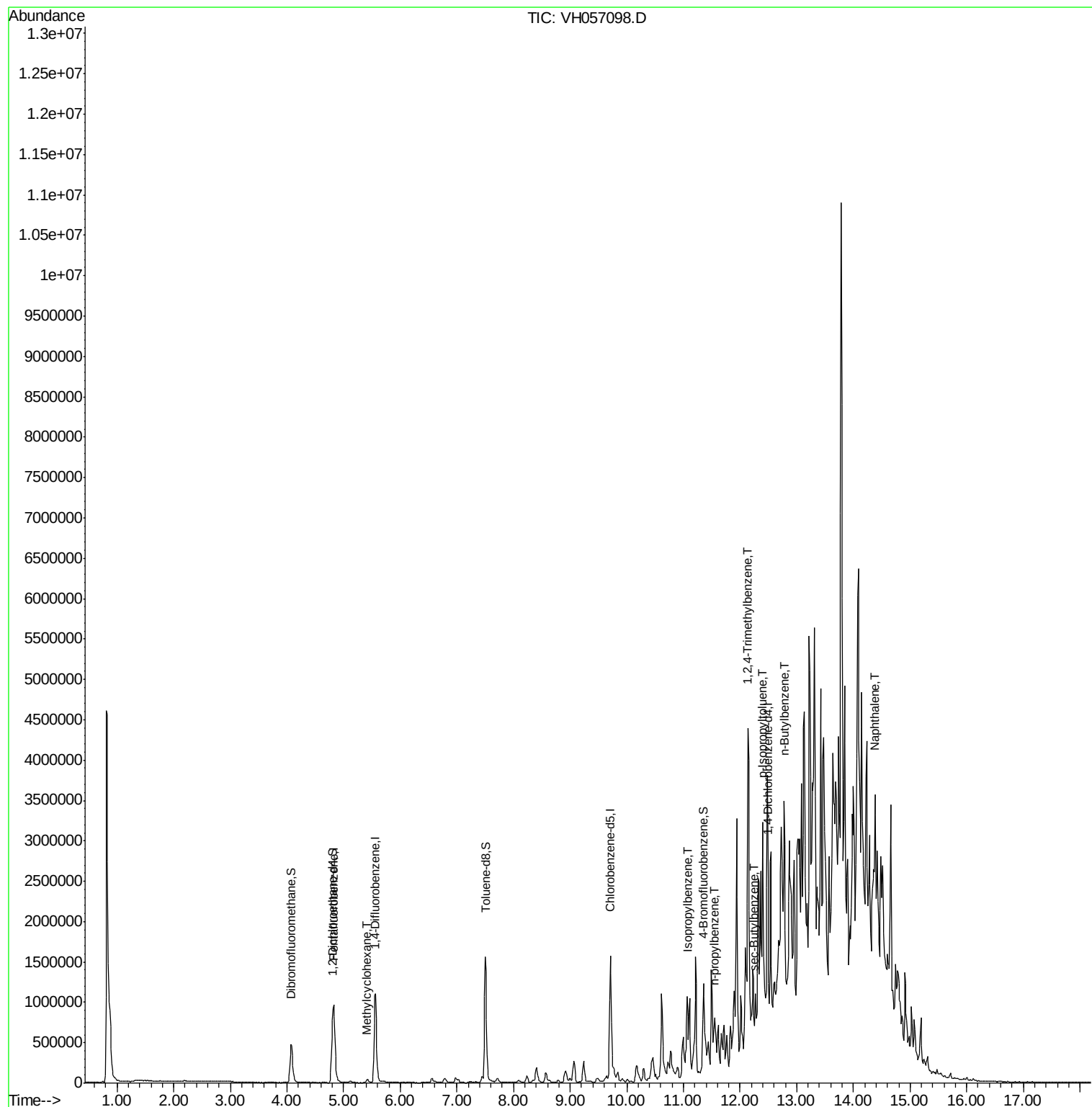
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
44) Methylcyclohexane	5.42	83	23537	2.72	ug/l	71
73) Isopropylbenzene	11.07	105	31541	1.02	ug/l	86
78) n-propylbenzene	11.54	91	85688	2.59	ug/l	94
84) 1,2,4-Trimethylbenzene	12.14	105	673418	32.28	ug/l	98
85) sec-Butylbenzene	12.25	105	167560	8.21	ug/l	87
86) p-Isopropyltoluene	12.39	119	154131	9.95	ug/l	95
89) n-Butylbenzene	12.78	91	236119	19.07	ug/l	95
95) Naphthalene	14.38	128	554943	63.09	ug/l #	89

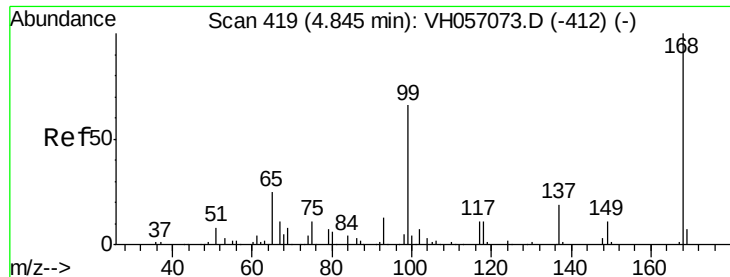
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA H\DATA\VH092115\
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Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:34:01 2015
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.83 min Scan# 418

Delta R.T. -0.02 min

Lab File: VH057098.D

Acq: 21 Sep 2015 18:40

Instrument :

MSVOA_H

ClientSampled :

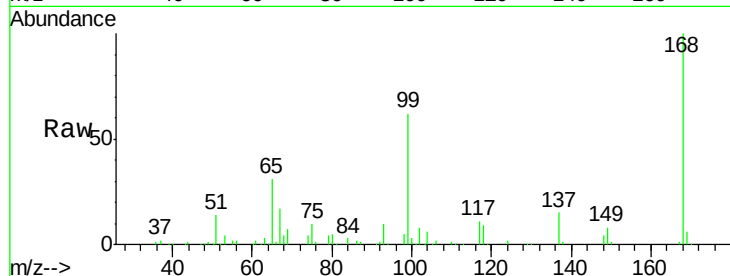
TRENCH-1-2

Tot Ion:168 Resp: 783371

Ion Ratio Lower Upper

168 100

99 61.9 55.8 83.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VH0

4.83

250000

200000

150000

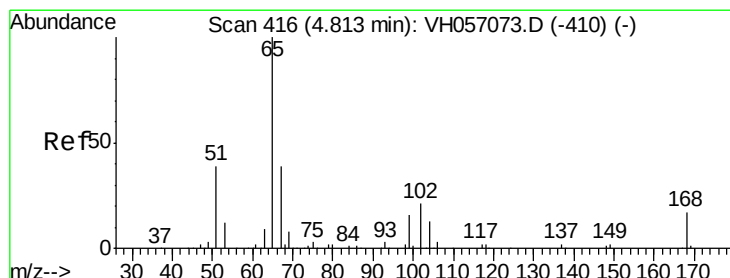
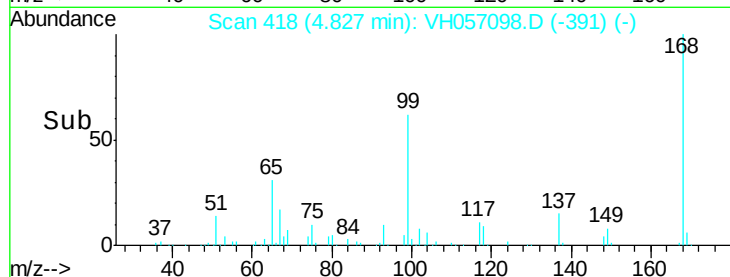
100000

50000

0

Time-->

4.70 4.80 4.90 5.00



#33

1,2-Dichloroethane-d4

Concen: 37.44 ug/l

RT: 4.81 min Scan# 416

Delta R.T. -0.01 min

Lab File: VH057098.D

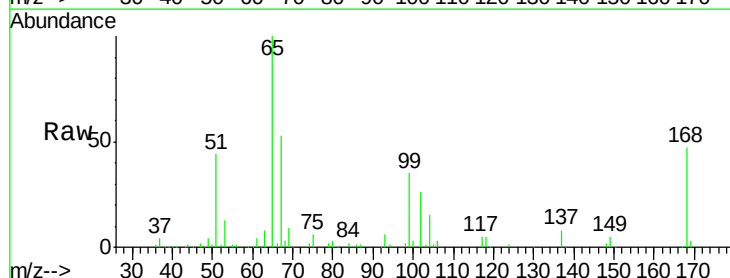
Acq: 21 Sep 2015 18:40

Tgt Ion: 65 Resp: 523738

Ion Ratio Lower Upper

65 100

67 53.3 43.2 64.8



Abundance Ion 65.00 (64.70 to 65.70): VH0

Ion 67.00 (66.70 to 67.70): VH0

4.81

200000

150000

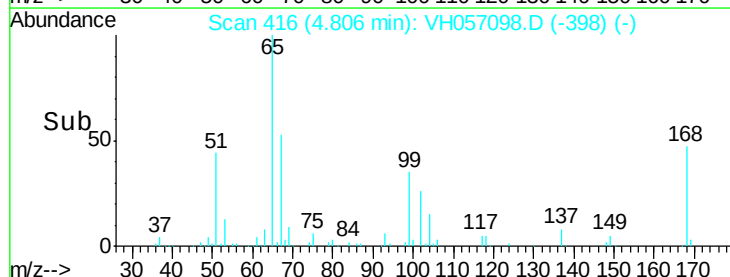
100000

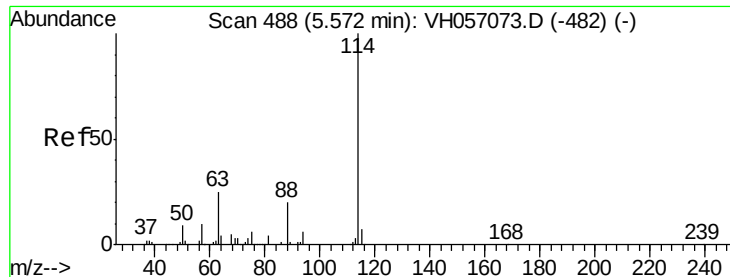
50000

0

Time-->

4.70 4.80 4.90 5.00

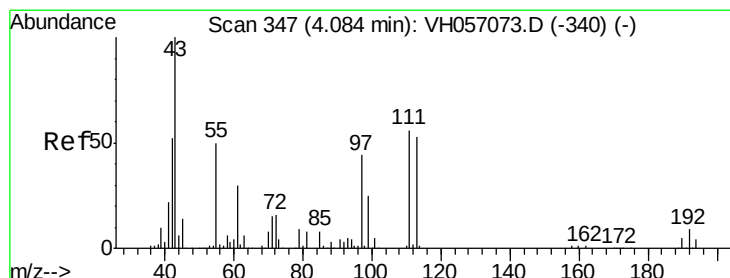
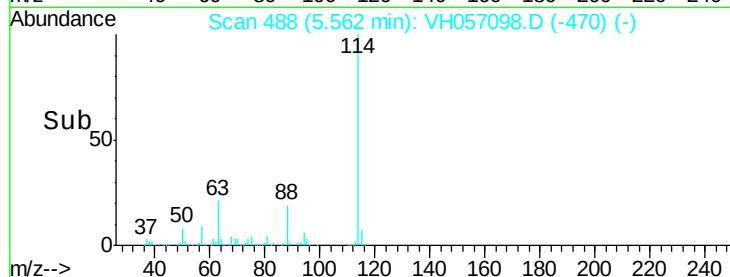
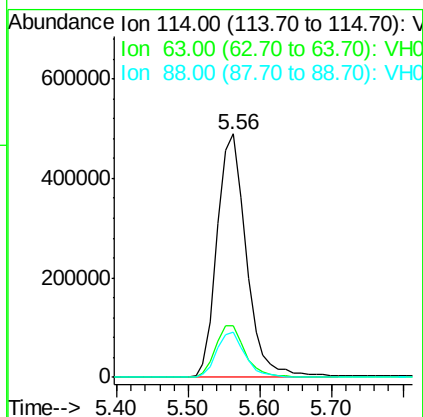
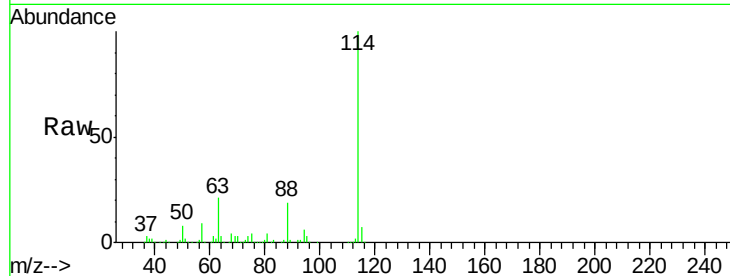




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.56 min Scan# 488
Delta R.T. -0.01 min
Lab File: VH057098.D
Acq: 21 Sep 2015 18:40

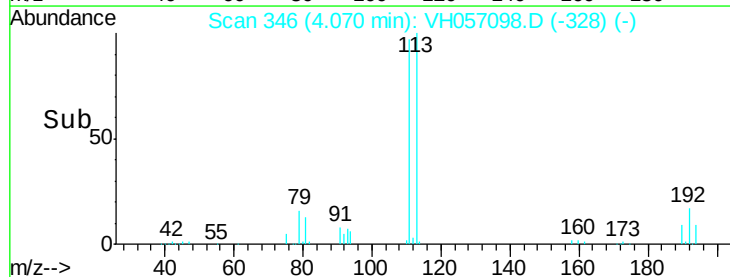
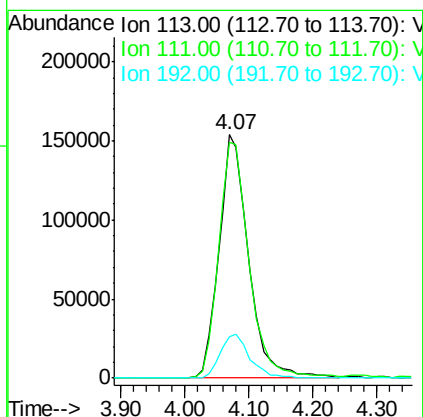
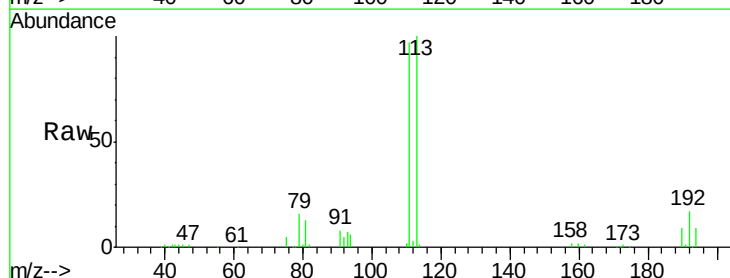
Instrument :
MSVOA_H
ClientSampleId :
TRENCH-1-2

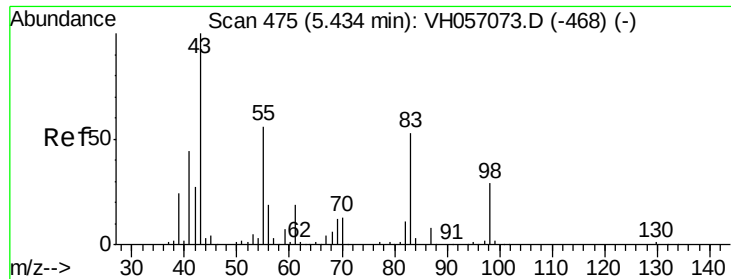
Tot Ion:114 Resp: 1367876
Ion Ratio Lower Upper
114 100
63 21.1 19.0 28.4
88 18.8 15.7 23.5



#35
Dibromofluoromethane
Concen: 44.81 ug/l
RT: 4.07 min Scan# 346
Delta R.T. -0.01 min
Lab File: VH057098.D
Acq: 21 Sep 2015 18:40

Tgt Ion:113 Resp: 487988
Ion Ratio Lower Upper
113 100
111 97.0 84.0 126.0
192 17.2 13.6 20.4





#44

Methylcyclohexane

Concen: 2.72 ug/l

RT: 5.42 min Scan# 474

Delta R.T. -0.02 min

Lab File: VH057098.D

Acq: 21 Sep 2015 18:40

Instrument :

MSVOA_H

ClientSampled :

TRENCH-1-2

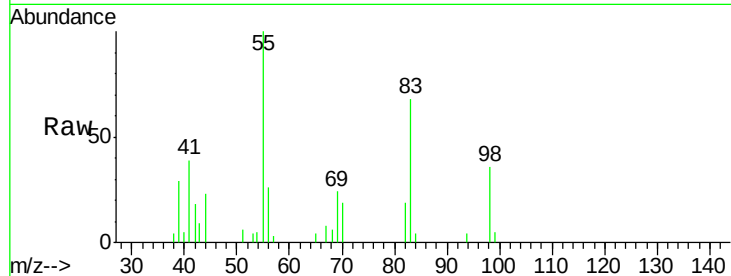
Tot Ion: 83 Resp: 23537

Ion Ratio Lower Upper

83 100

55 146.9 0.0 207.2

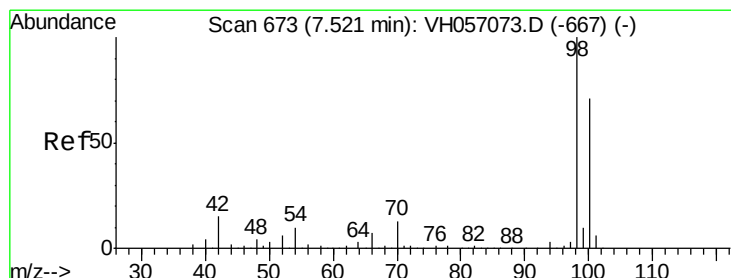
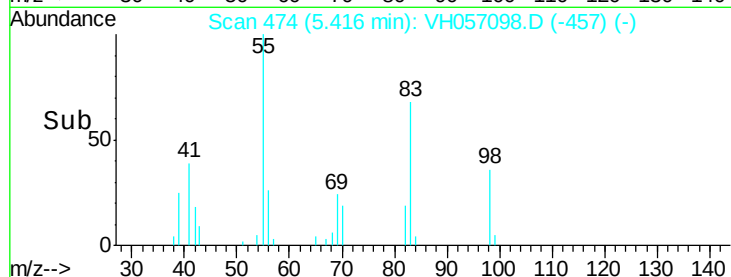
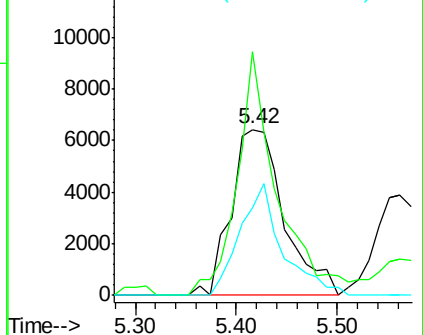
98 52.8 0.0 108.4



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: 44.12 ug/l

RT: 7.50 min Scan# 673

Delta R.T. -0.02 min

Lab File: VH057098.D

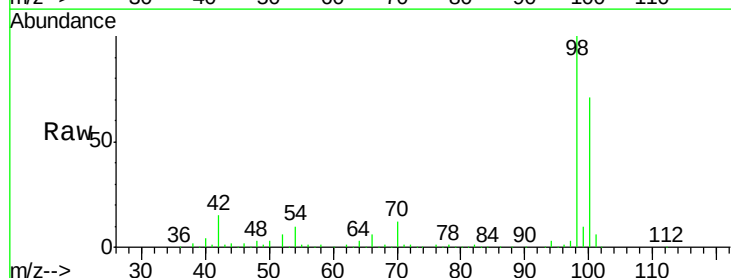
Acq: 21 Sep 2015 18:40

Tgt Ion: 98 Resp: 1381762

Ion Ratio Lower Upper

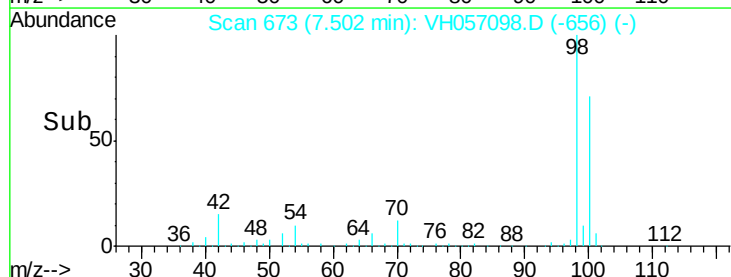
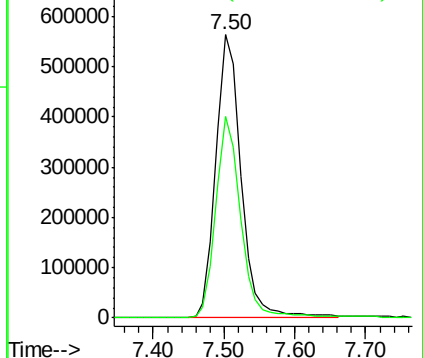
98 100

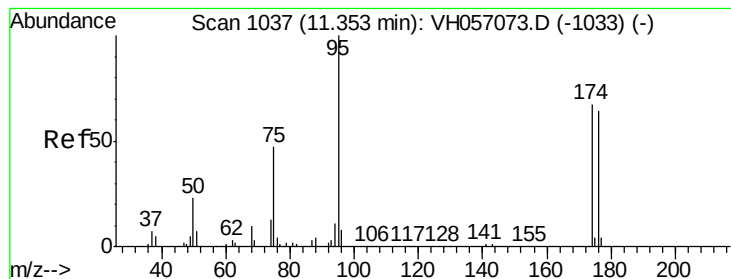
100 71.1 56.7 85.1



Abundance Ion 98.00 (97.70 to 98.70): VH0

Ion 100.00 (99.70 to 100.70): VH0





#62

4-Bromofluorobenzene

Concen: 45.22 ug/l

RT: 11.35 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VH057098.D

Acq: 21 Sep 2015 18:40

Instrument :

MSVOA_H

ClientSampleId :

TRENCH-1-2

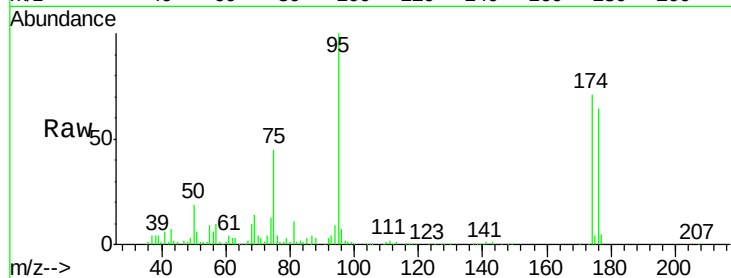
Tot Ion: 95 Resp: 477614

Ion Ratio Lower Upper

95 100

174 71.1 58.4 87.6

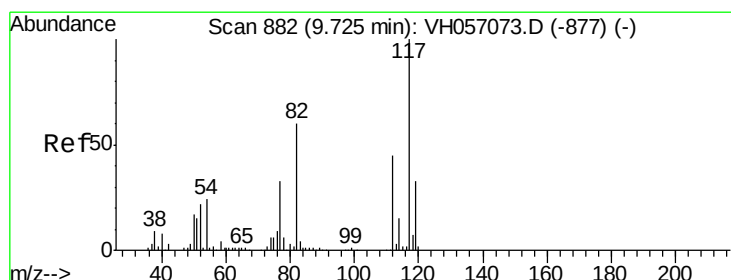
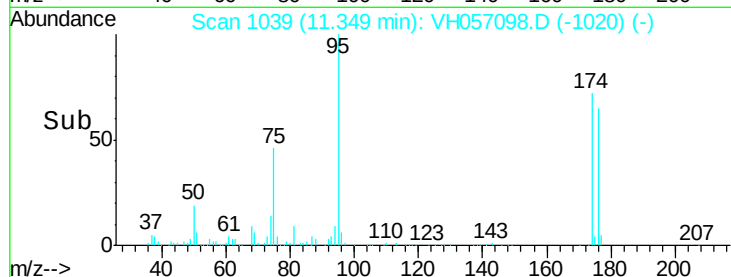
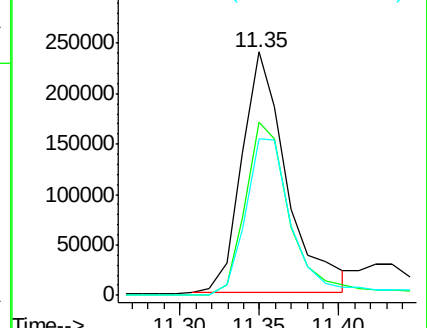
176 64.4 54.3 81.5



Abundance Ion 95.00 (94.70 to 95.70): VH057073.D (-1033) (-)

Ion 174.00 (173.70 to 174.70): VH057073.D (-1033) (-)

Ion 176.00 (175.70 to 176.70): VH057073.D (-1033) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 883

Delta R.T. -0.02 min

Lab File: VH057098.D

Acq: 21 Sep 2015 18:40

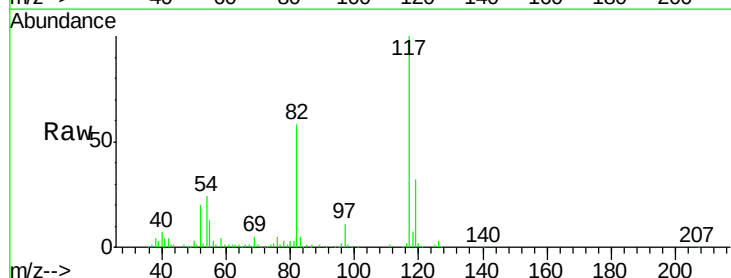
Tgt Ion: 117 Resp: 1086279

Ion Ratio Lower Upper

117 100

82 58.0 51.0 76.6

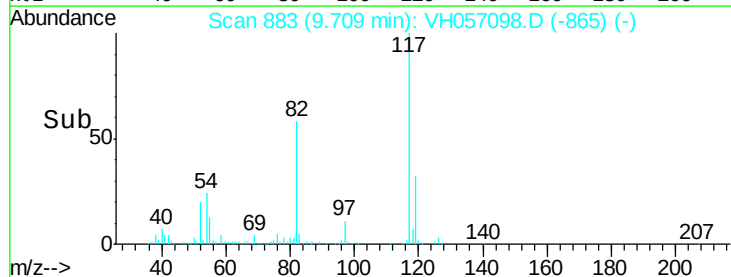
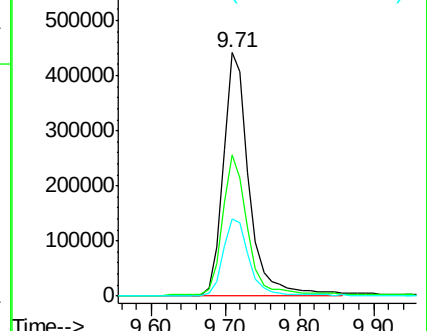
119 31.8 26.7 40.1

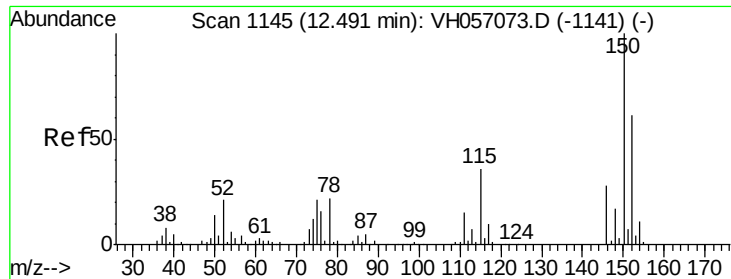


Abundance Ion 117.00 (116.70 to 117.70): VH057073.D (-877) (-)

Ion 82.00 (81.70 to 82.70): VH057073.D (-877) (-)

Ion 119.00 (118.70 to 119.70): VH057073.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: VH057098.D

Acq: 21 Sep 2015 18:40

Instrument :

MSVOA_H

ClientSampleId :

TRENCH-1-2

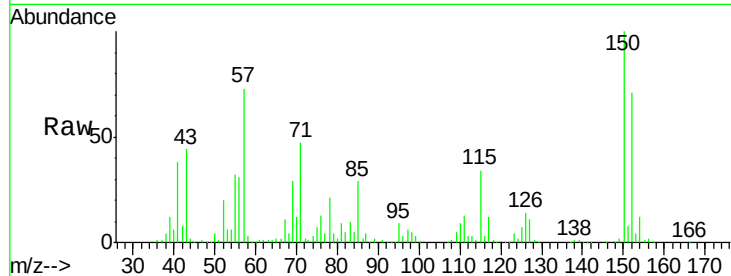
Tot Ion:152 Resp: 338670

Ion Ratio Lower Upper

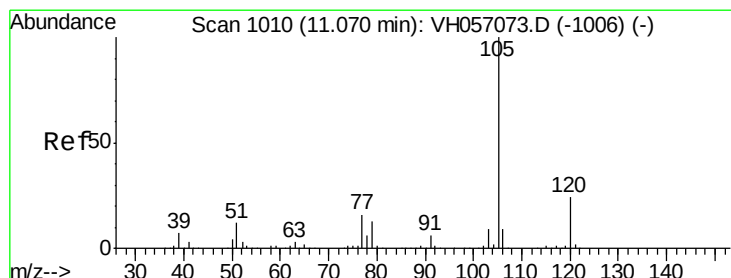
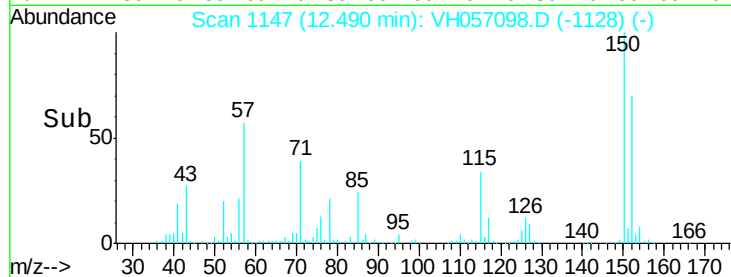
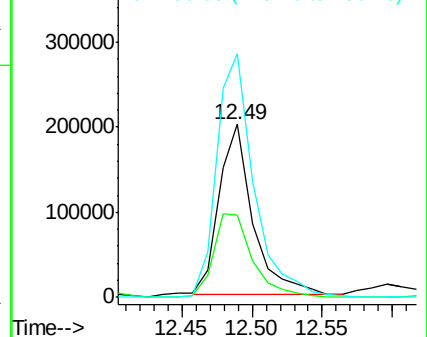
152 100

115 47.8 28.2 84.6

150 140.7 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



#73

Isopropylbenzene

Concen: 1.02 ug/l

RT: 11.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VH057098.D

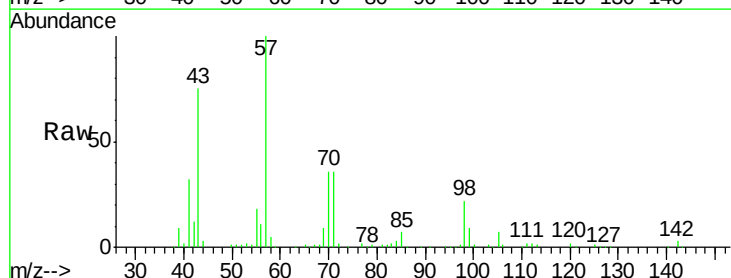
Acq: 21 Sep 2015 18:40

Tgt Ion:105 Resp: 31541

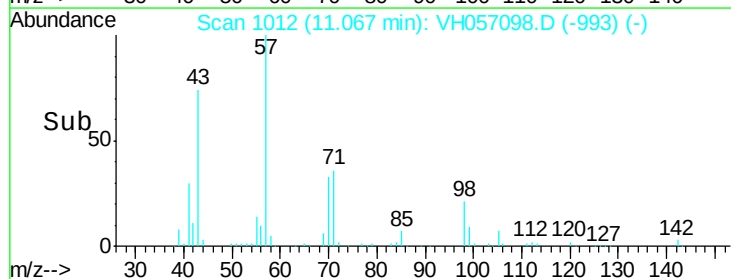
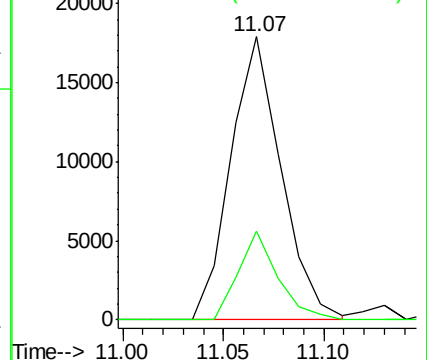
Ion Ratio Lower Upper

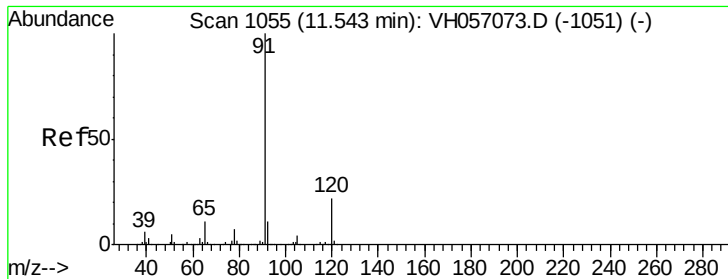
105 100

120 31.4 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.59 ug/l

RT: 11.54 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VH057098.D

Acq: 21 Sep 2015 18:40

Instrument :

MSVOA_H

ClientSampled :

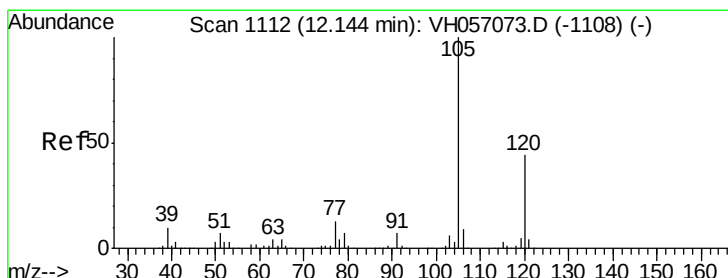
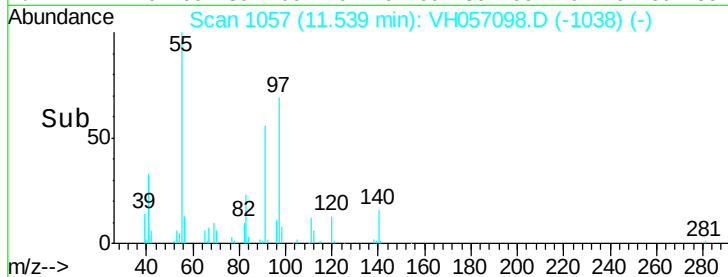
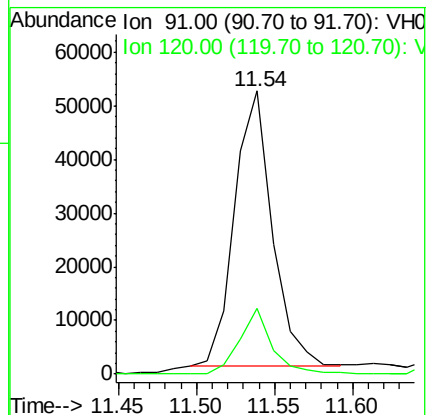
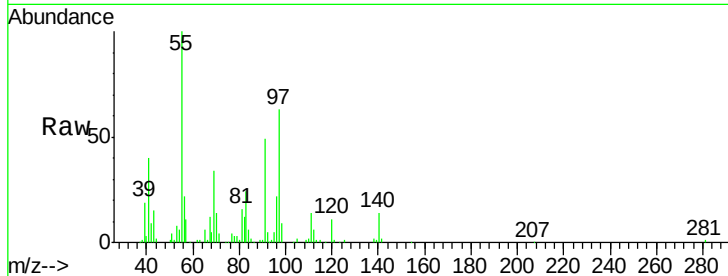
TRENCH-1-2

Tot Ion: 91 Resp: 85688

Ion Ratio Lower Upper

91 100

120 23.1 10.2 30.6



#84

1,2,4-Trimethylbenzene

Concen: 32.28 ug/l

RT: 12.14 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VH057098.D

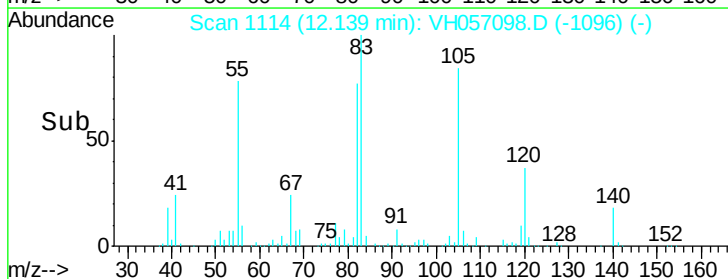
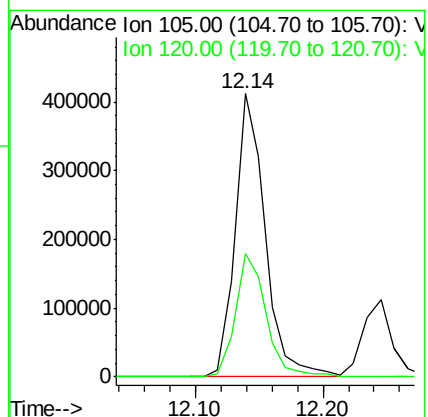
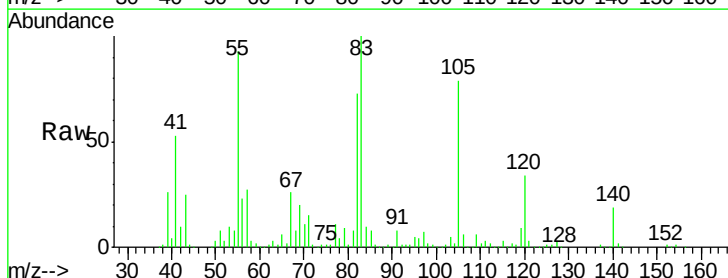
Acq: 21 Sep 2015 18:40

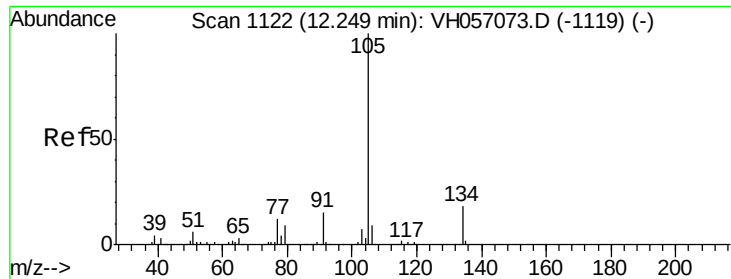
Tgt Ion: 105 Resp: 673418

Ion Ratio Lower Upper

105 100

120 43.6 22.6 67.7





#85

sec-Butylbenzene

Concen: 8.21 ug/l

RT: 12.25 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VH057098.D

Acq: 21 Sep 2015 18:40

Instrument :

MSVOA_H

ClientSampleId :

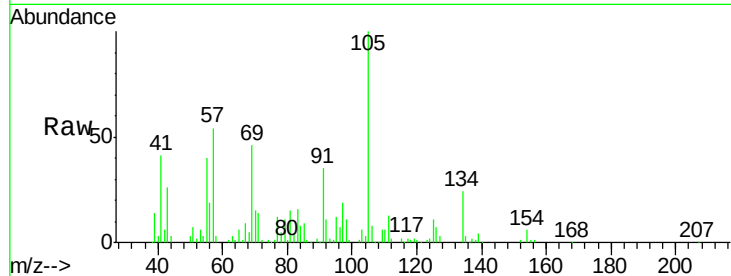
TRENCH-1-2

Tot Ion:105 Resp: 167560

Ion Ratio Lower Upper

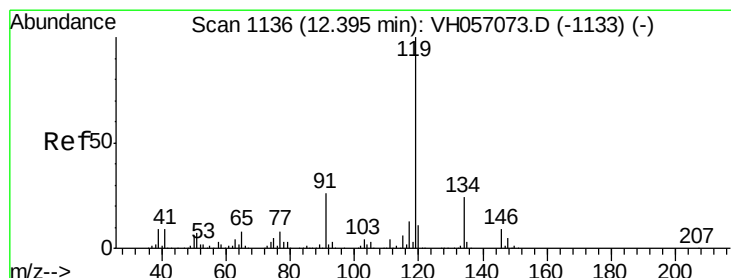
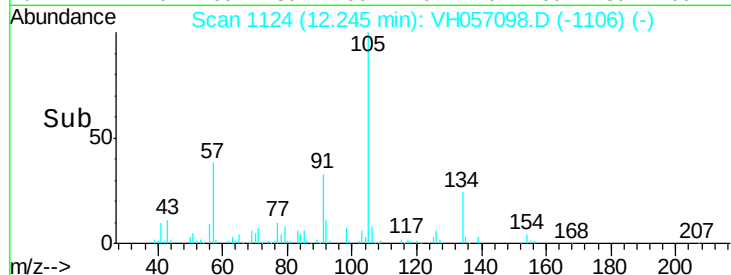
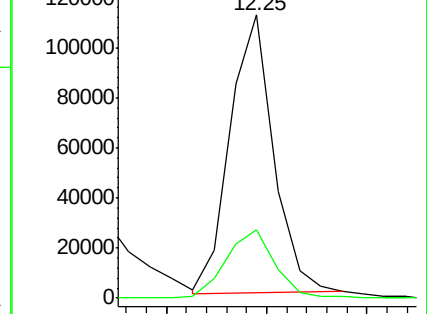
105 100

134 24.0 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: 9.95 ug/l

RT: 12.39 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VH057098.D

Acq: 21 Sep 2015 18:40

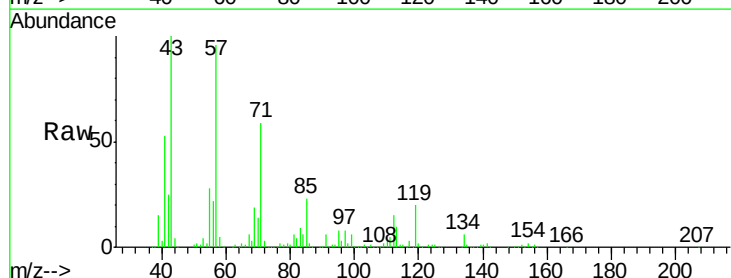
Tgt Ion:119 Resp: 154131

Ion Ratio Lower Upper

119 100

134 28.3 13.0 38.9

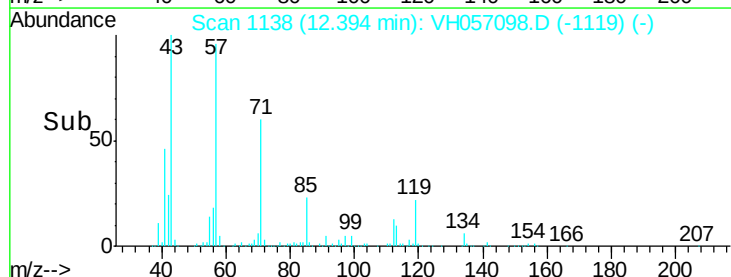
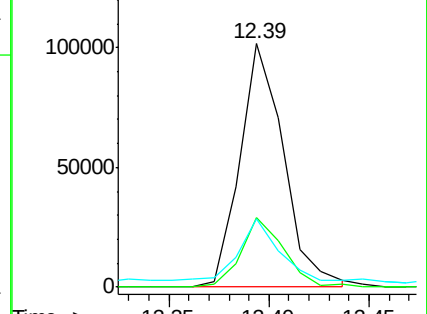
91 27.8 12.5 37.5

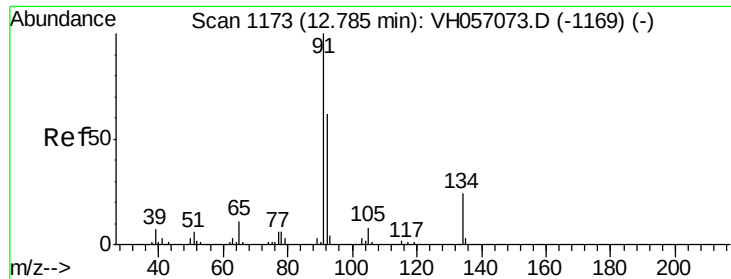


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 19.07 ug/l

RT: 12.78 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VH057098.D

Acq: 21 Sep 2015 18:40

Instrument :

MSVOA_H

ClientSampleId :

TRENCH-1-2

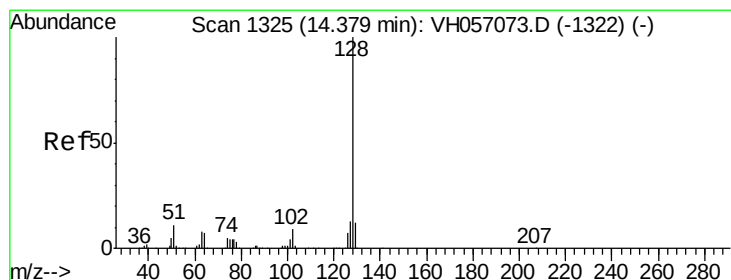
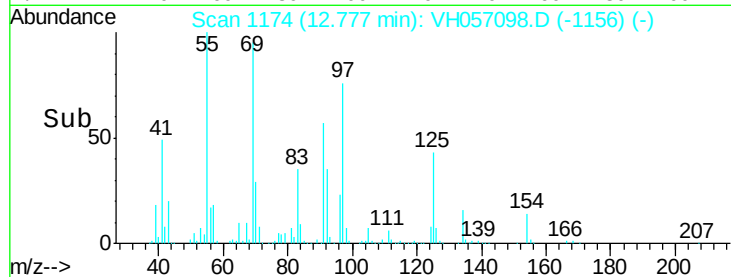
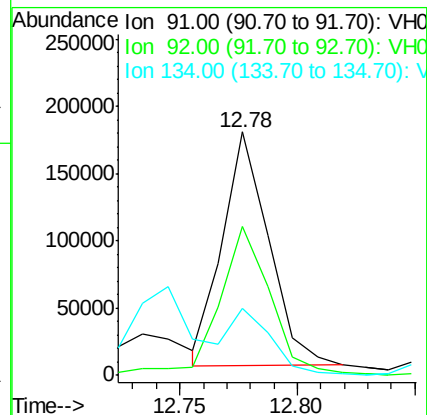
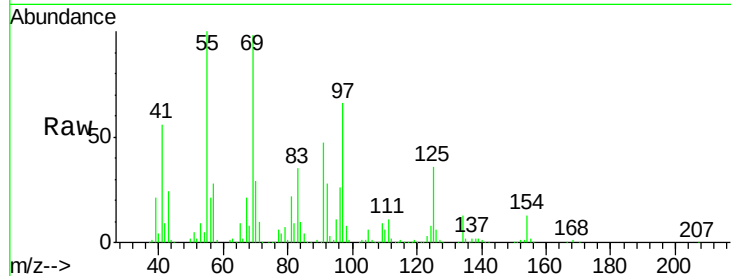
Tot Ion: 91 Resp: 236119

Ion Ratio Lower Upper

91 100

92 61.1 31.3 93.9

134 27.6 10.5 31.6



#95

Naphthalene

Concen: 63.09 ug/l

RT: 14.38 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VH057098.D

Acq: 21 Sep 2015 18:40

Tgt Ion: 128 Resp: 554943

Ion Ratio Lower Upper

128 100

127 13.9 9.6 14.4

129 17.6 8.7 13.1#

