

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH092115\
 Data File : VH057091.D
 Acq On : 21 Sep 2015 13:46
 Operator : SY/FY
 Sample : G3727-05
 Misc : 5.72/5mL/100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 MMB7B

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:54:36 PM

Quant Time: Sep 22 11:47:05 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	4.81	168	547698	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.55	114	1016125	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.71	117	726422	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.49	152	290774	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.79	65	437178	44.70	ug/l	-0.02
Spiked Amount	50.000	Range	66 - 150	Recovery	=	89.40%
35) Dibromofluoromethane	4.06	113	348720	43.10	ug/l	-0.02
Spiked Amount	50.000	Range	76 - 130	Recovery	=	86.20%
48) Toluene-d8	7.50	98	1129035	48.53	ug/l	-0.02
Spiked Amount	50.000	Range	78 - 121	Recovery	=	97.06%
62) 4-Bromofluorobenzene	11.35	95	705965	89.99	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	179.98%#

Target Compounds

						Qvalue
30) Cyclohexane	3.70	56	1320509	137.08	ug/l #	69
44) Methylcyclohexane	5.41	83	5760938	895.23	ug/l	97
78) n-propylbenzene	11.53	91	312699	11.01	ug/l	96
80) 1,3,5-Trimethylbenzene	11.77	105	284650	16.40	ug/l	96
84) 1,2,4-Trimethylbenzene	12.14	105	502572	28.06	ug/l	99
85) sec-Butylbenzene	12.24	105	345990	19.75	ug/l #	73
86) p-Isopropyltoluene	12.40	119	309294m	23.25	ug/l	
89) n-Butylbenzene	12.78	91	580070	54.56	ug/l #	73

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

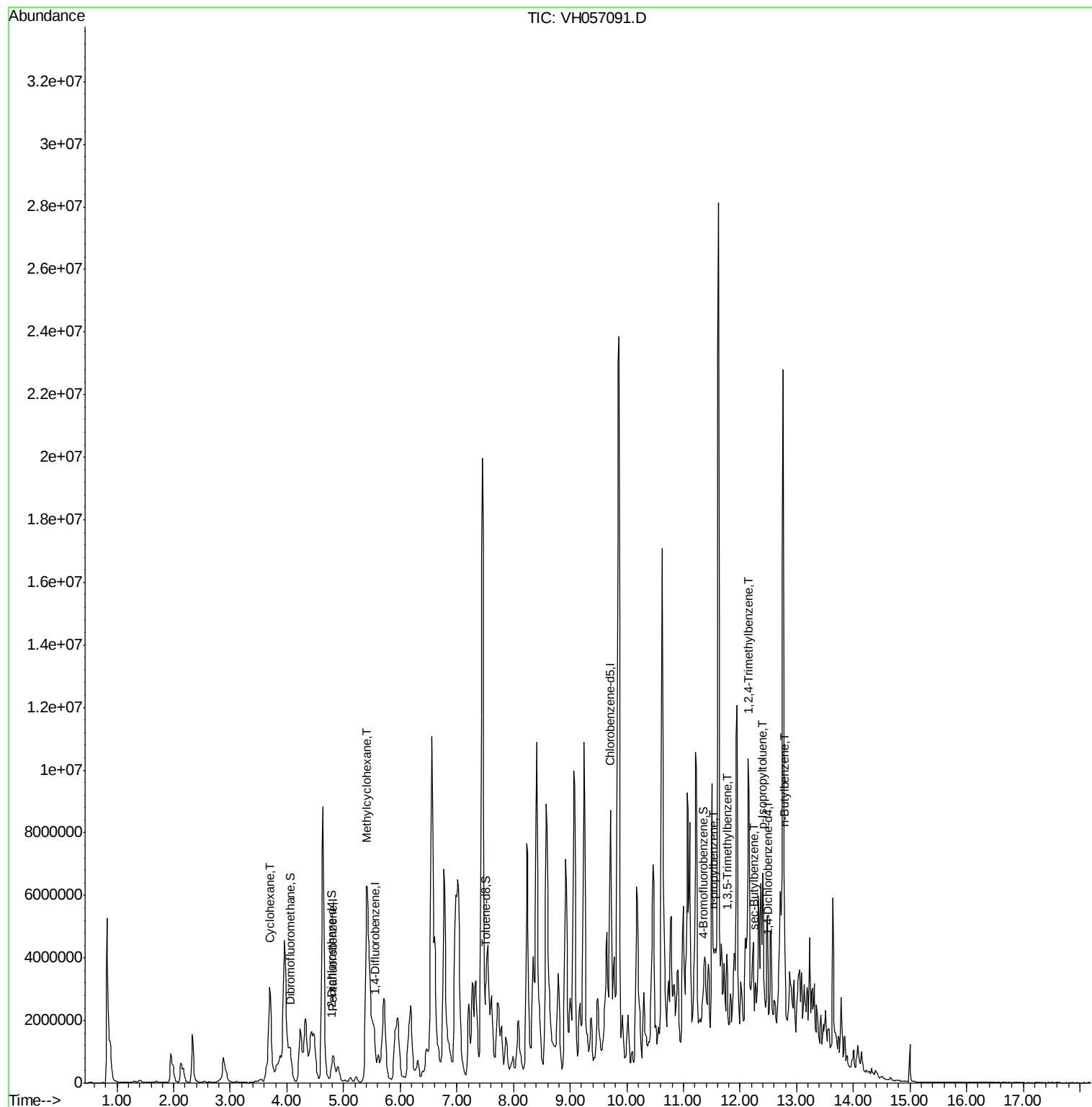
Data Path : W:\HPCHEM1\MSVOA H\DATA\VH092115\
Data File : VH057091.D
Acq On : 21 Sep 2015 13:46
Operator : SY/FY
Sample : G3727-05
Misc : 5.72/5mL/100uL/5mL/MSVOA_H/MEOH
ALS Vial : 6 Sample Multiplier: 1

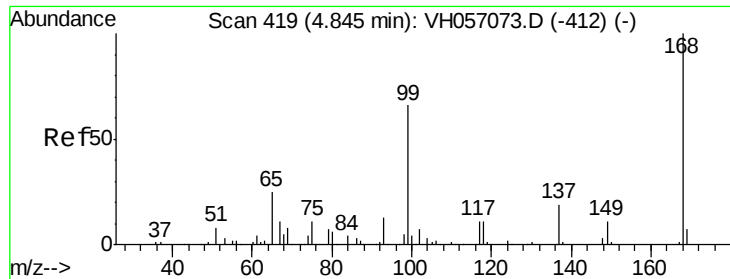
Instrument :
MSVOA_H
ClientSampleId :
MMB7B

Manual Integrations
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9/22/2015 2:54:36 PM

Quant Time: Sep 22 11:47:05 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: 4.81 min Scan# 417

Delta R.T. -0.03 min

Lab File: VH057091.D

Acq: 21 Sep 2015 13:46

Instrument :

MSVOA_H

ClientSampleId :

MMB7B

Tot Ion:168 Resp: 547698

Ion Ratio Lower Upper

168 100

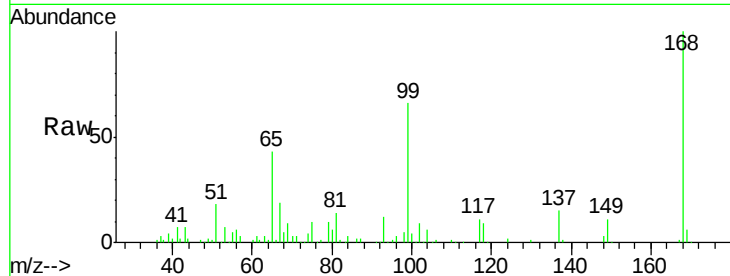
99 66.4 55.8 83.6

Manual Integrations

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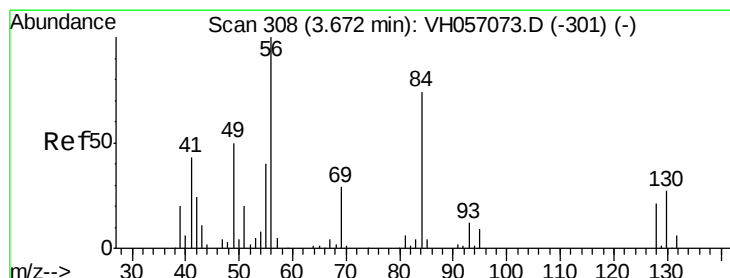
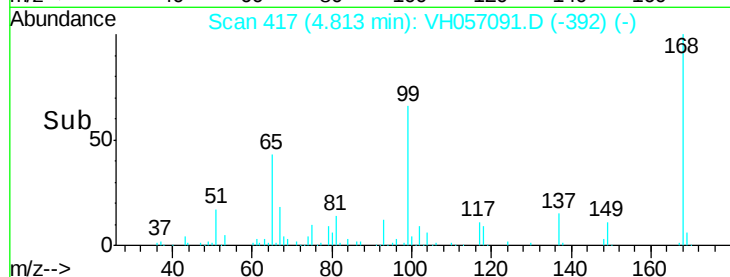
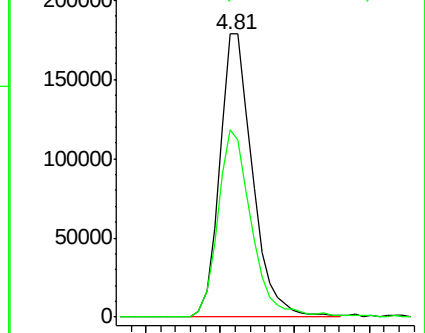
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VHO



#30

Cyclohexane

Concen: 137.08 ug/l

RT: 3.70 min Scan# 311

Delta R.T. 0.02 min

Lab File: VH057091.D

Acq: 21 Sep 2015 13:46

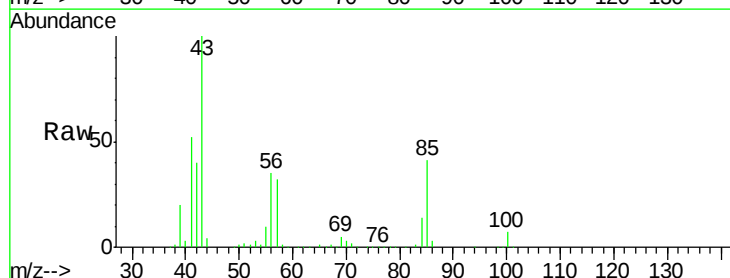
Tgt Ion: 56 Resp: 1320509

Ion Ratio Lower Upper

56 100

69 14.0 18.1 33.7#

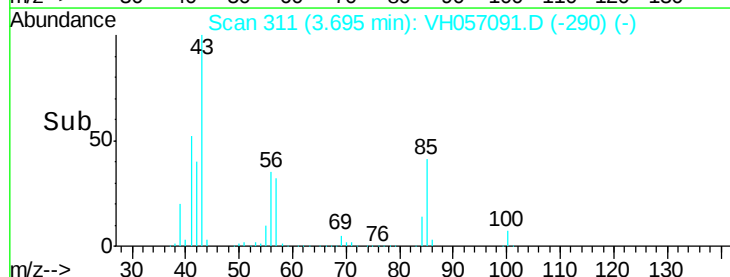
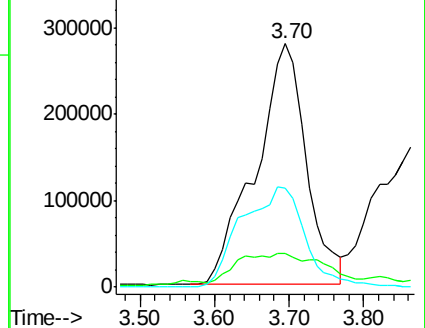
84 40.6 0.0 136.8

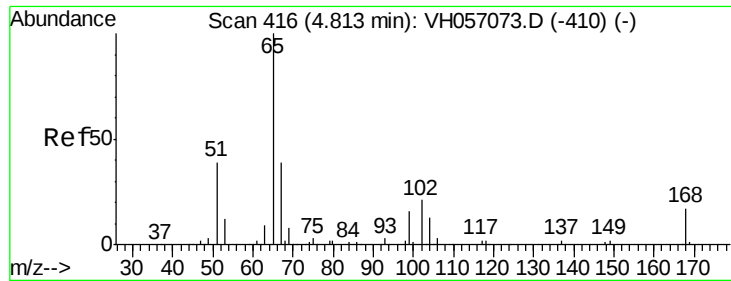


Abundance Ion 56.00 (55.70 to 56.70): VHO

Ion 69.00 (68.70 to 69.70): VHO

Ion 84.00 (83.70 to 84.70): VHO





#33

1,2-Dichloroethane-d4

Concen: 44.70 ug/l

RT: 4.79 min Scan# 415

Delta R.T. -0.02 min

Lab File: VH057091.D

Acq: 21 Sep 2015 13:46

Tot Ion: 65 Resp: 437178

Ion Ratio Lower Upper

65 100

67 48.1 43.2 64.8

Instrument :

MSVOA_H

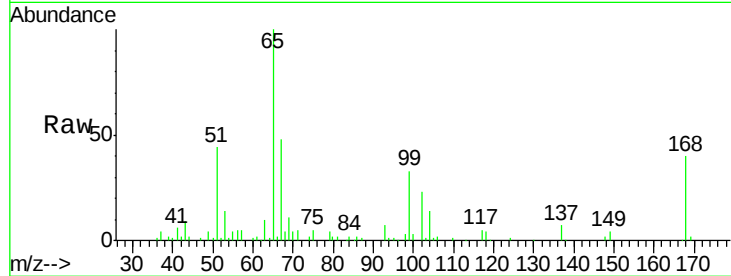
ClientSampled :

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Abundance Ion 65.00 (64.70 to 65.70): VH0

Ion 67.00 (66.70 to 67.70): VH0

150000

100000

50000

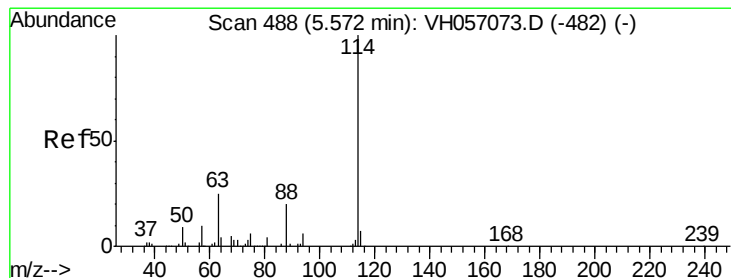
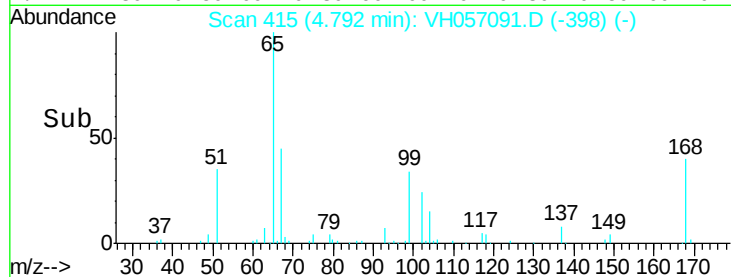
0

4.79

4.80

4.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.55 min Scan# 487

Delta R.T. -0.02 min

Lab File: VH057091.D

Acq: 21 Sep 2015 13:46

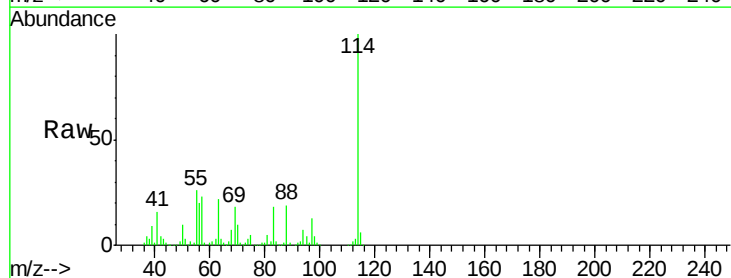
Tgt Ion: 114 Resp: 1016125

Ion Ratio Lower Upper

114 100

63 22.0 19.0 28.4

88 18.5 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

400000

300000

200000

100000

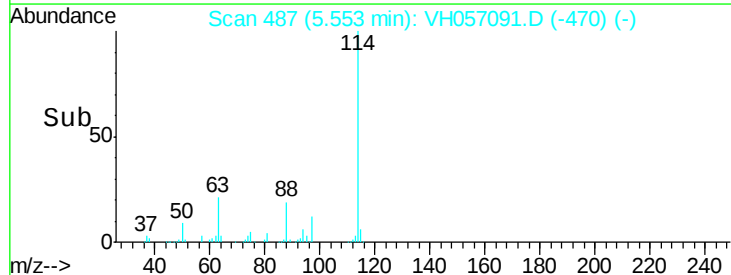
0

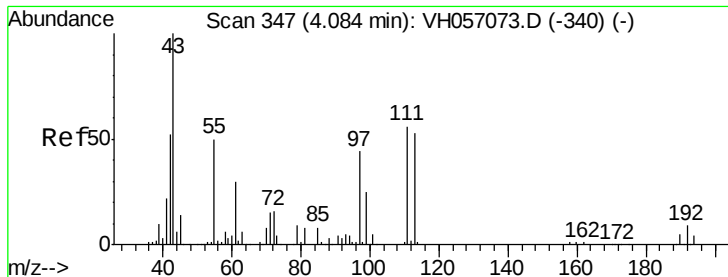
5.55

5.60

5.70

Time-->





#35

Dibromofluoromethane

Concen: 43.10 ug/l

RT: 4.06 min Scan# 346

Delta R.T. -0.02 min

Lab File: VH057091.D

Acq: 21 Sep 2015 13:46

Instrument :

MSVOA_H

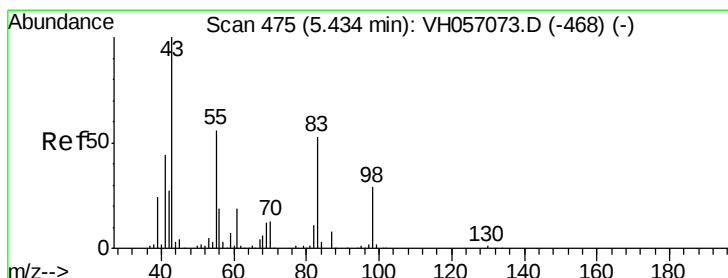
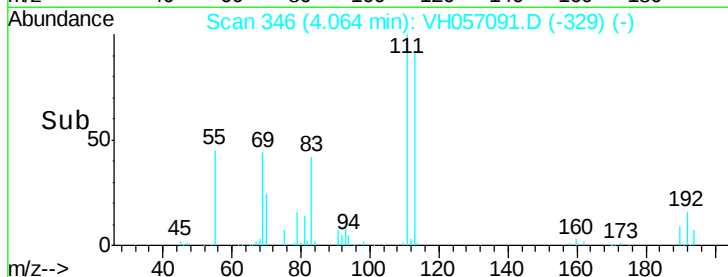
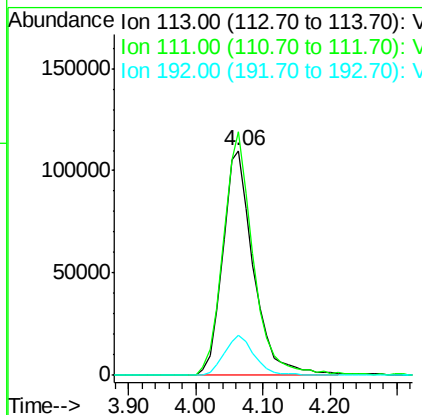
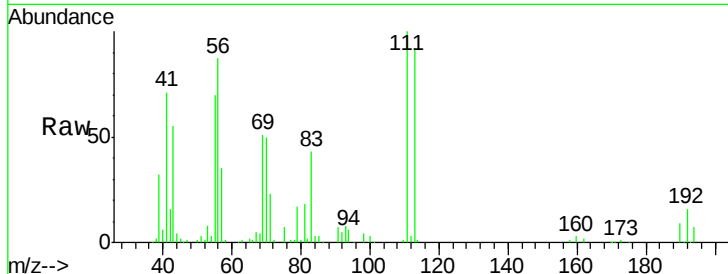
ClientSampled :

MMB7B

Tot Ion	Ratio	Resp	Lower	Upper
113	100	348720		
111	108.2	84.0	126.0	
192	17.8	13.6	20.4	

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#44

Methylcyclohexane

Concen: 895.23 ug/l

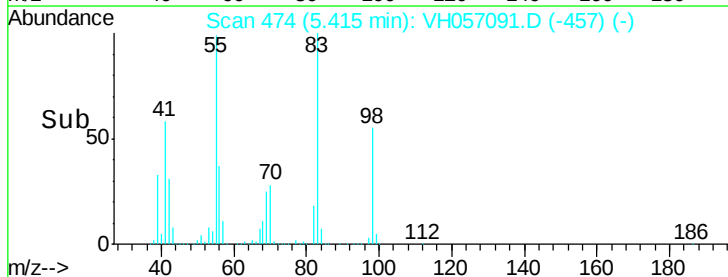
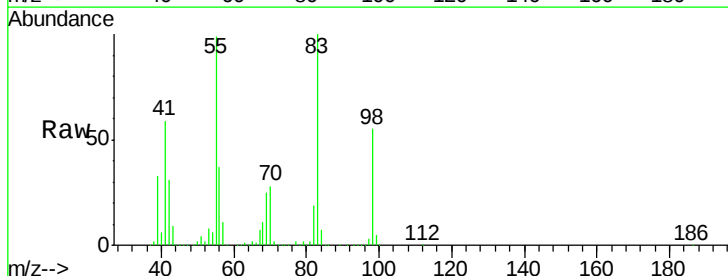
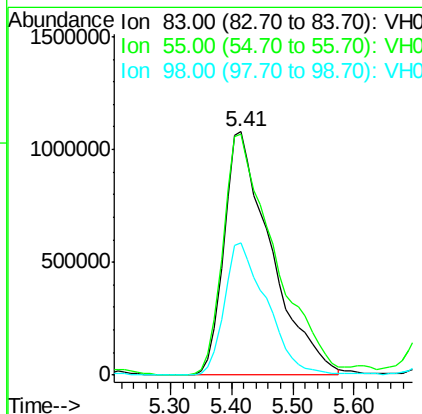
RT: 5.41 min Scan# 474

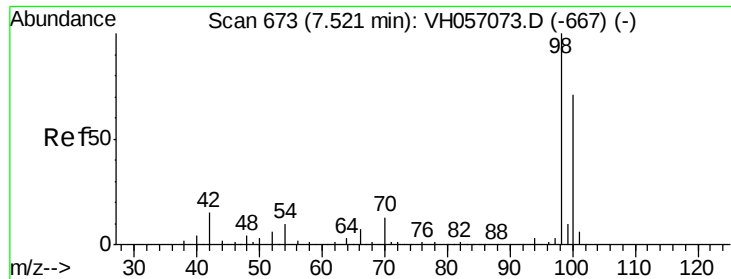
Delta R.T. -0.02 min

Lab File: VH057091.D

Acq: 21 Sep 2015 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	5760938		
55	99.2	0.0	207.2	
98	54.5	0.0	108.4	





#48

Toluene-d8

Concen: 48.53 ug/l

RT: 7.50 min Scan# 672

Delta R.T. -0.02 min

Lab File: VH057091.D

Acq: 21 Sep 2015 13:46

Instrument :

MSVOA_H

ClientSampleId :

MMB7B

Tot Ion: 98 Resp: 1129035

Ion Ratio Lower Upper

98 100

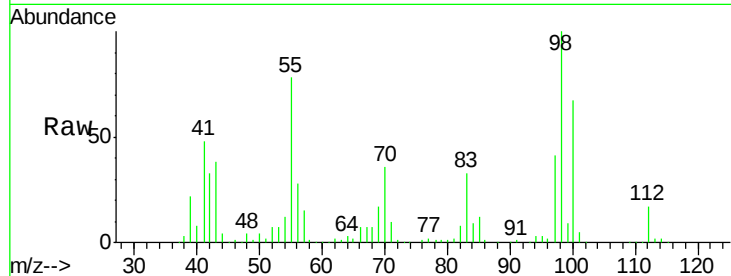
100 67.3 56.7 85.1

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VH057073.D (-667) (-)

Ion 100.00 (99.70 to 100.70): VH057073.D (-667) (-)

7.50

400000

300000

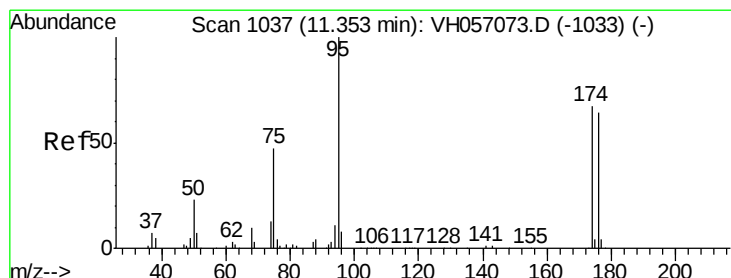
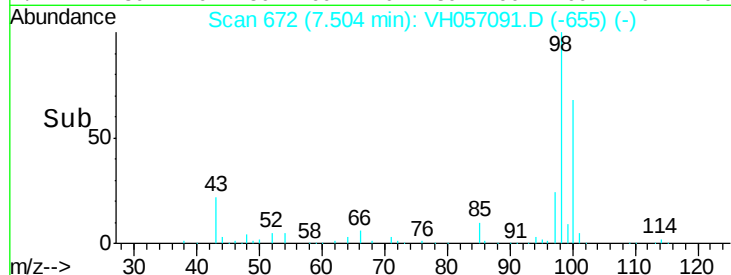
200000

100000

0

7.40 7.50 7.60 7.70

Time-->



#62

4-Bromofluorobenzene

Concen: 89.99 ug/l

RT: 11.35 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VH057091.D

Acq: 21 Sep 2015 13:46

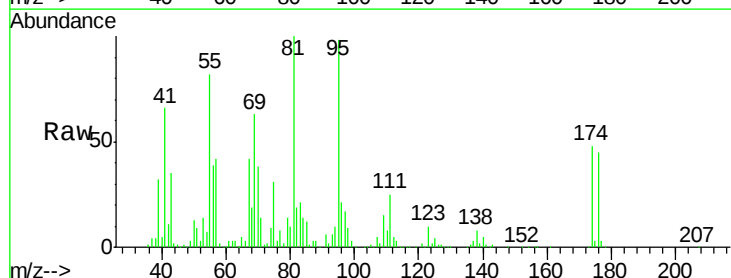
Tgt Ion: 95 Resp: 705965

Ion Ratio Lower Upper

95 100

174 48.8 58.4 87.6#

176 45.4 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) (-)

11.35

300000

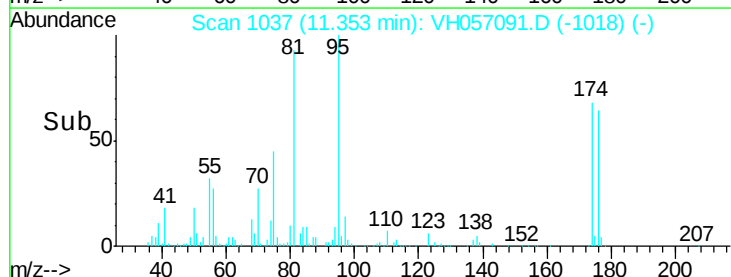
200000

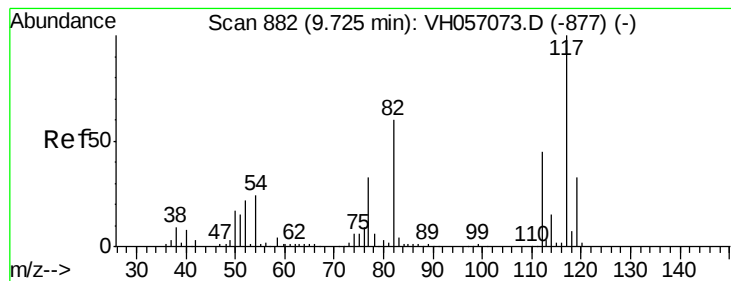
100000

0

11.30 11.40

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 881

Delta R.T. -0.02 min

Lab File: VH057091.D

Acq: 21 Sep 2015 13:46

Instrument :

MSVOA_H

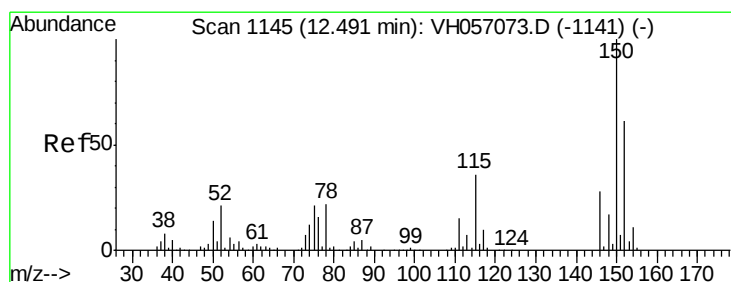
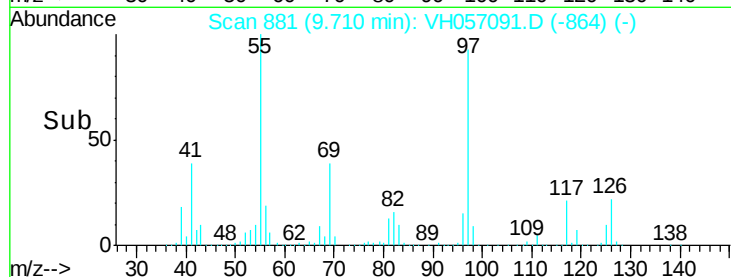
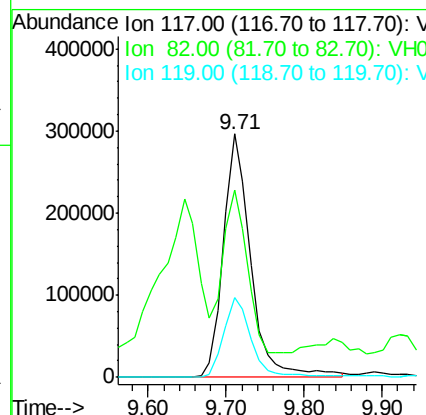
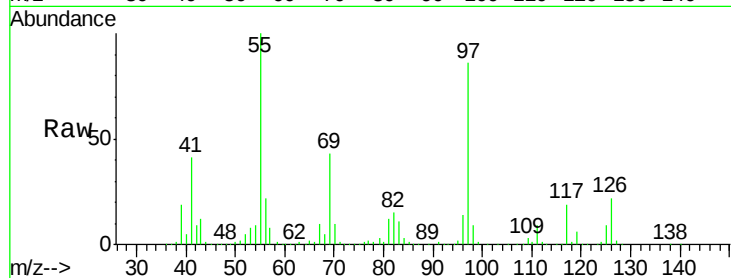
ClientSampleId :

MMB7B

Tot Ion	Ratio	Resp	Lower	Upper
117	100	726422		
82	77.1	51.0	76.6#	
119	32.7	26.7	40.1	

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

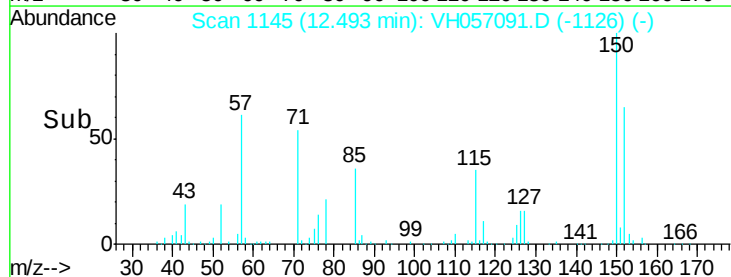
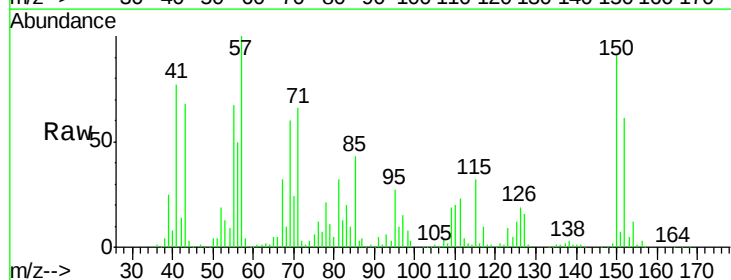
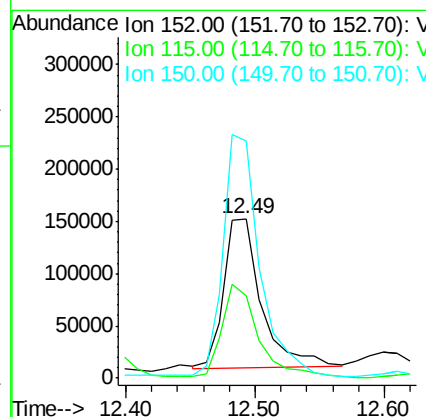
RT: 12.49 min Scan# 1145

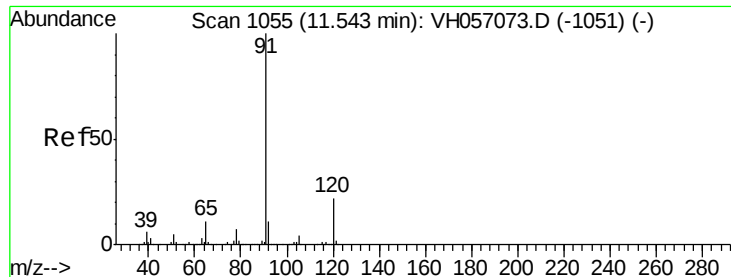
Delta R.T. 0.00 min

Lab File: VH057091.D

Acq: 21 Sep 2015 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	290774		
115	51.9	28.2	84.6	
150	148.5	0.0	332.0	





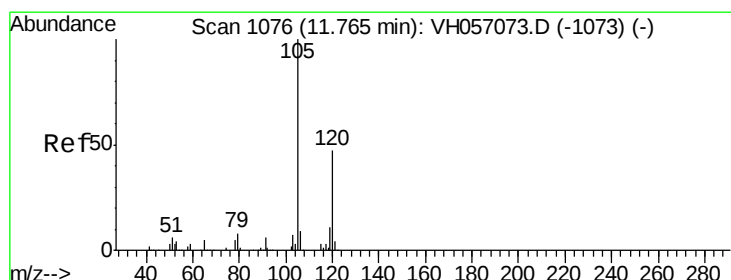
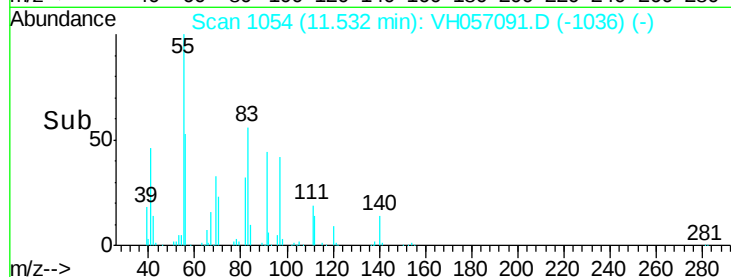
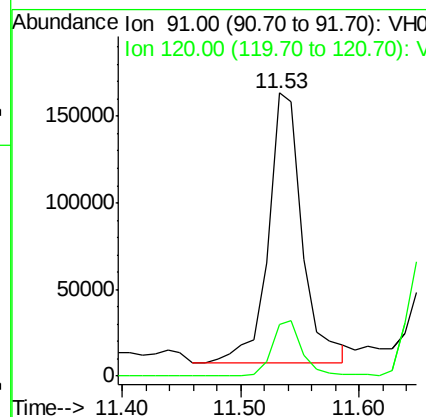
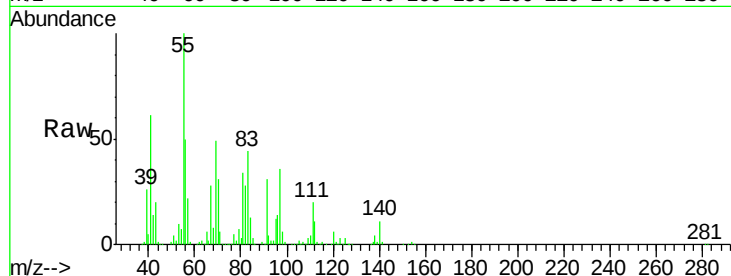
#78
n-propylbenzene
Concen: 11.01 ug/l
RT: 11.53 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VH057091.D
Acq: 21 Sep 2015 13:46

Instrument :
MSVOA_H
ClientSampled :
MMB7B

Tot Ion: 91 Resp: 312699
Ion Ratio Lower Upper
91 100
120 18.3 10.2 30.6

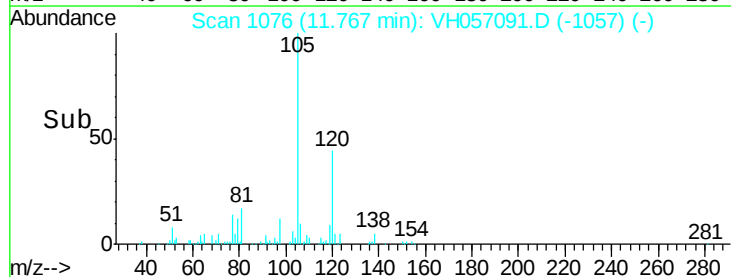
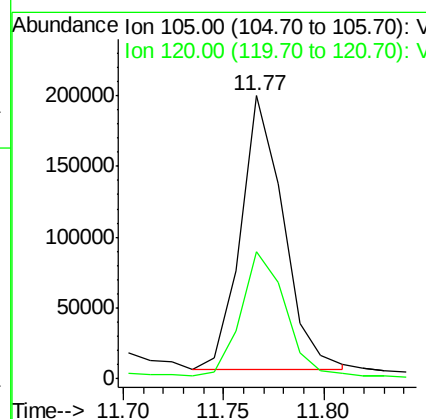
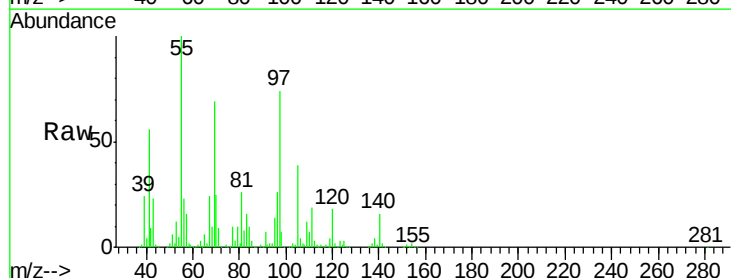
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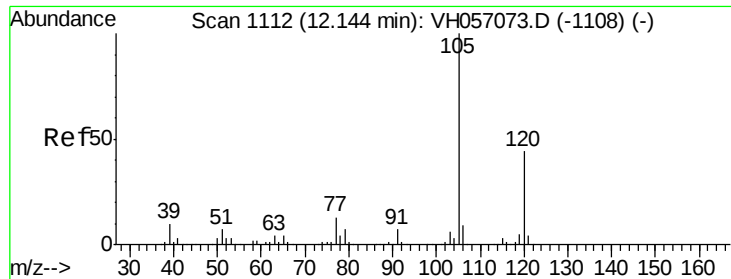
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#80
1,3,5-Trimethylbenzene
Concen: 16.40 ug/l
RT: 11.77 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VH057091.D
Acq: 21 Sep 2015 13:46

Tgt Ion: 105 Resp: 284650
Ion Ratio Lower Upper
105 100
120 44.9 23.6 71.0





#84

1,2,4-Trimethylbenzene

Concen: 28.06 ug/l

RT: 12.14 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VH057091.D

Acq: 21 Sep 2015 13:46

Instrument :

MSVOA_H

ClientSampleId :

MMB7B

Tot Ion:105 Resp: 502572

Ion Ratio Lower Upper

105 100

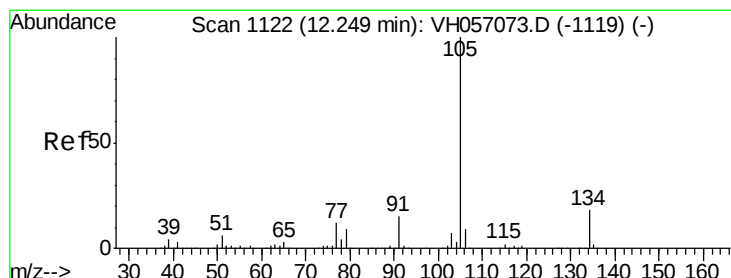
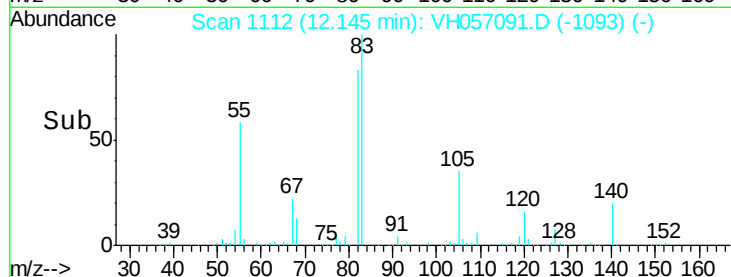
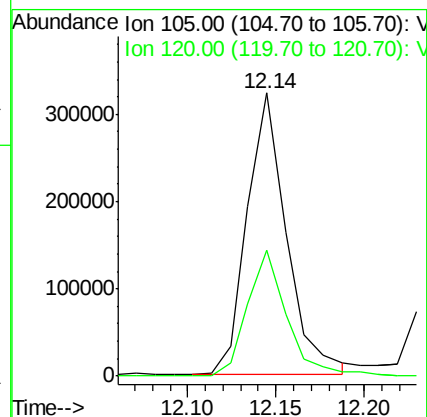
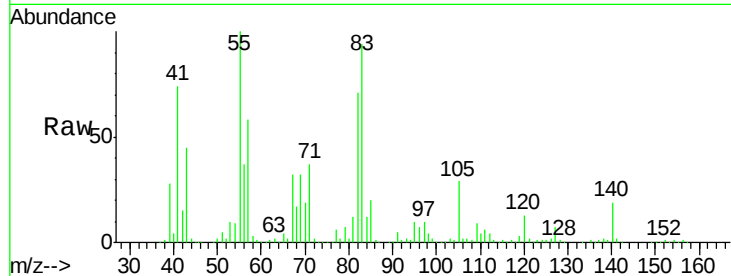
120 44.3 22.6 67.7

Manual Integrations

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#85

sec-Butylbenzene

Concen: 19.75 ug/l

RT: 12.24 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VH057091.D

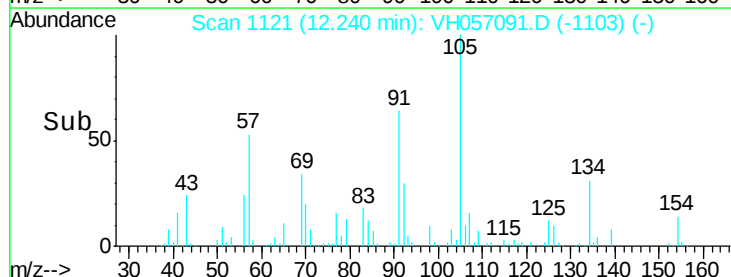
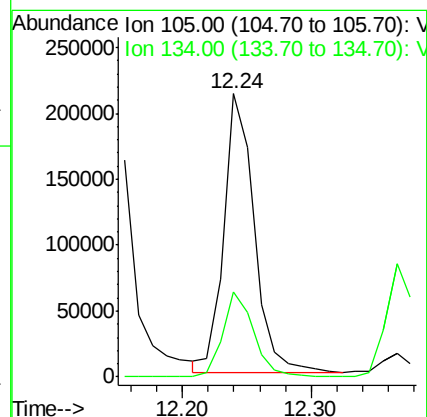
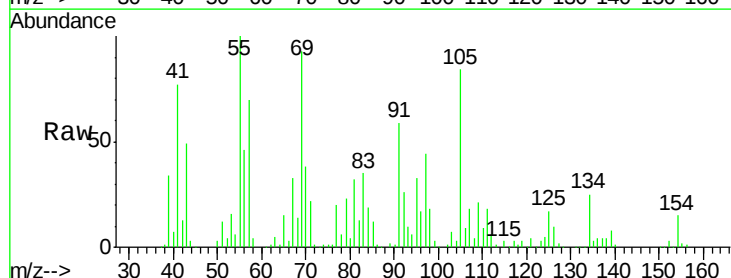
Acq: 21 Sep 2015 13:46

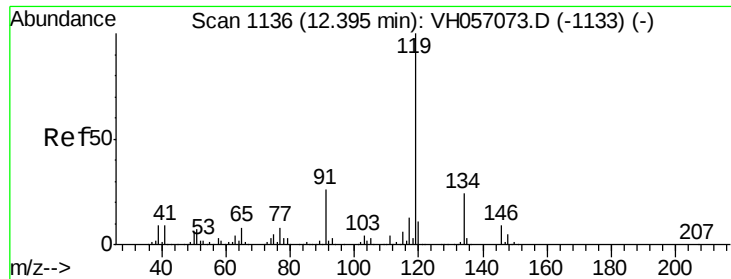
Tgt Ion:105 Resp: 345990

Ion Ratio Lower Upper

105 100

134 30.2 9.1 27.3#





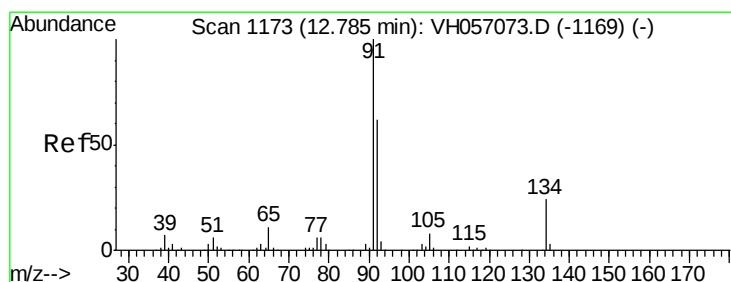
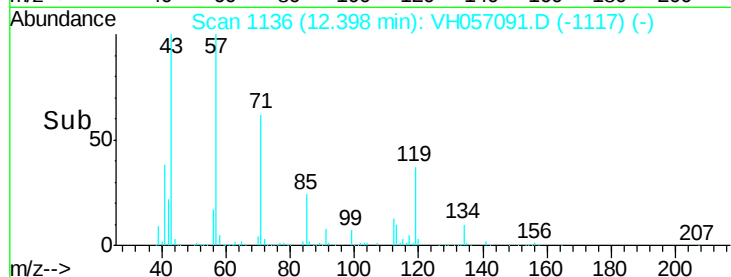
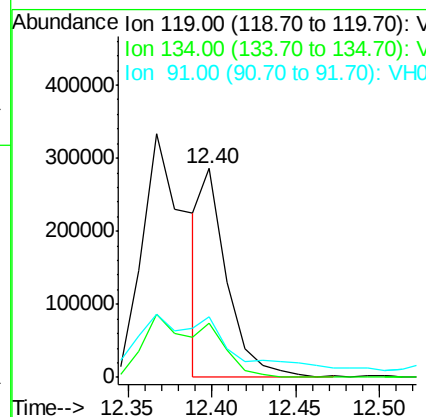
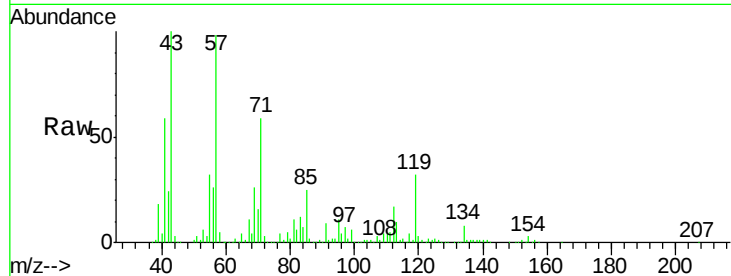
#86
p-Isopropyltoluene
Concen: 23.25 ug/l m
RT: 12.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VH057091.D
Acq: 21 Sep 2015 13:46

Instrument :
MSVOA_H
ClientSampled :
MMB7B

Tot Ion	Ratio	Resp	Lower	Upper
119	100	309294		
134	26.2	13.0	38.9	
91	29.0	12.5	37.5	

Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:54:36 PM



#89
n-Butylbenzene
Concen: 54.56 ug/l
RT: 12.78 min Scan# 1172
Delta R.T. -0.01 min
Lab File: VH057091.D
Acq: 21 Sep 2015 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	580070		
92	48.6	31.3	93.9	
134	45.9	10.5	31.6#	

