

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH092115\
 Data File : VH057093.D
 Acq On : 21 Sep 2015 15:19
 Operator : SY/FY
 Sample : G3708-08 50X
 Misc : 3.06/5mL/100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 MGP201-19-20

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:54:46 PM

Quant Time: Sep 22 11:51:12 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	956872	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.55	114	1690363	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.71	117	1319268	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.48	152	422565	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.79	65	515358	30.16	ug/l	-0.02
Spiked Amount 50.000	Range 66 - 150		Recovery =	60.32%#		
35) Dibromofluoromethane	4.06	113	491251	36.50	ug/l	-0.03
Spiked Amount 50.000	Range 76 - 130		Recovery =	73.00%#		
48) Toluene-d8	7.50	98	1415215	36.57	ug/l	-0.02
Spiked Amount 50.000	Range 78 - 121		Recovery =	73.14%#		
62) 4-Bromofluorobenzene	11.35	95	484388	37.12	ug/l	0.00
Spiked Amount 50.000	Range 70 - 131		Recovery =	74.24%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Benzene	4.58	78	491620	11.12	ug/l	95
50) Toluene	7.57	92	1241284	43.83	ug/l	98
67) Ethyl Benzene	9.84	106	927444	67.50	ug/l	91
68) m/p-Xylenes	10.07	106	1103105	66.00	ug/l	91
69) o-Xylene	10.65	106	486535	30.31	ug/l	100
70) Styrene	10.73	104	56077	2.00	ug/l	94
73) Isopropylbenzene	11.06	105	160798	4.17	ug/l	98
78) n-propylbenzene	11.53	91	49566	1.20	ug/l	97
80) 1,3,5-Trimethylbenzene	11.76	105	304146	12.06	ug/l	100
84) 1,2,4-Trimethylbenzene	12.14	105	1015674	39.02	ug/l	99
95) Naphthalene	14.38	128	12604571	1064.95	ug/l #	69

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

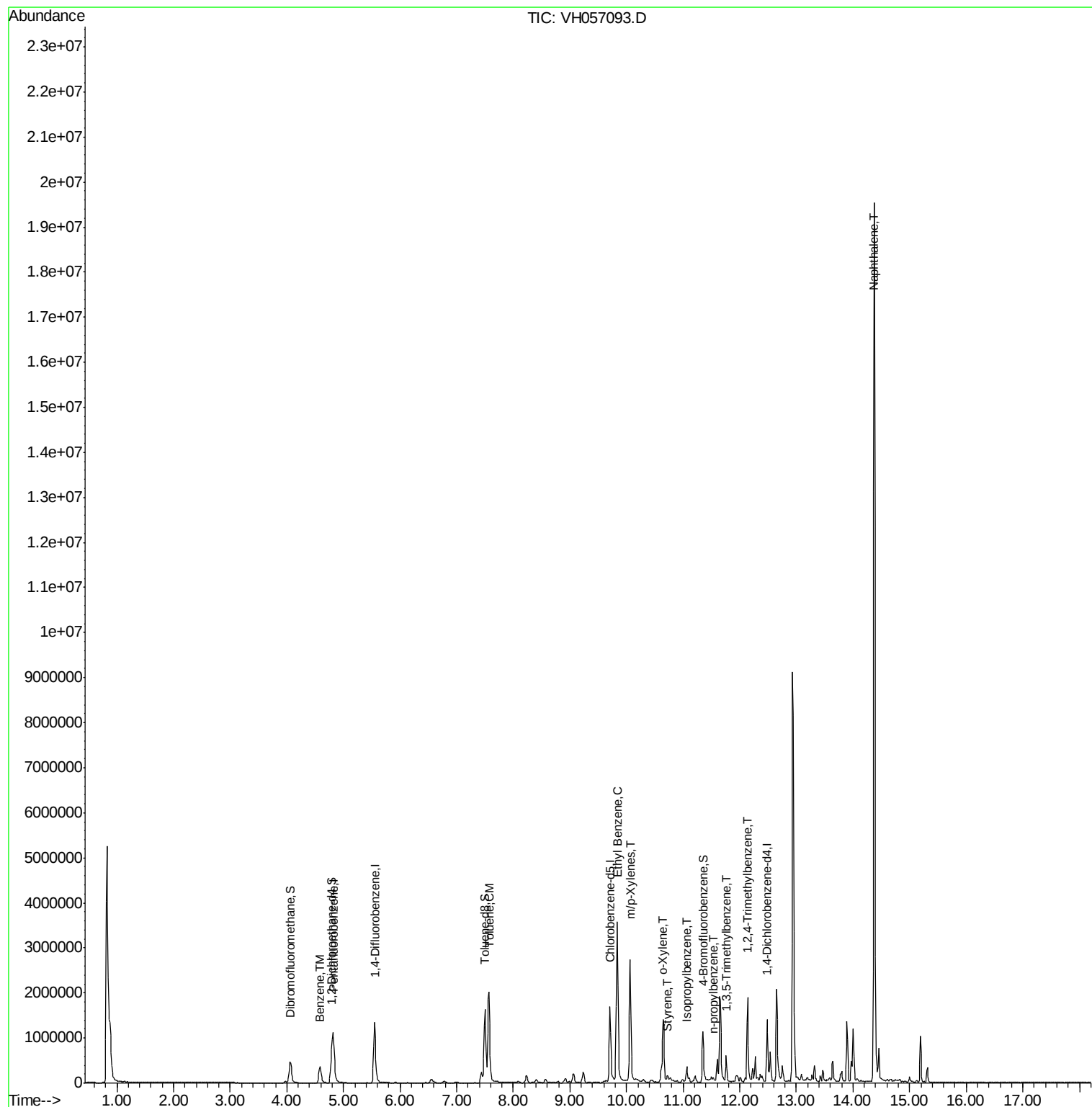
Data Path : W:\HPCHEM1\MSVOA H\DATA\VH092115\
Data File : VH057093.D
Acq On : 21 Sep 2015 15:19
Operator : SY/FY
Sample : G3708-08 50X
Misc : 3.06/5mL/100uL/5mL/MSVOA_H/MEOH
ALS Vial : 8 Sample Multiplier: 1

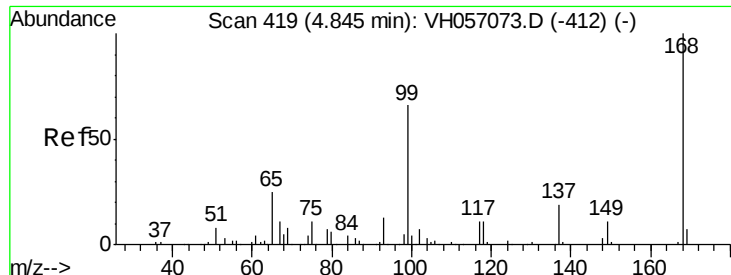
Instrument :
MSVOA_H
ClientSampleId :
MGP201-19-20

Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:54:46 PM

Quant Time: Sep 22 11:51:12 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: 4.82 min Scan# 418

Delta R.T. -0.02 min

Lab File: VH057093.D

Acq: 21 Sep 2015 15:19

Instrument :

MSVOA_H

ClientSampleId :

MGP201-19-20

Tot Ion:168 Resp: 956872

Ion Ratio Lower Upper

168 100

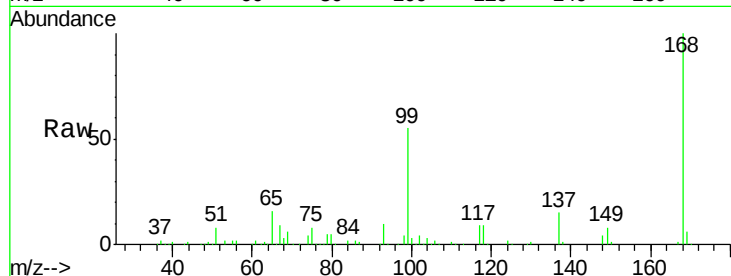
99 54.9 55.8 83.6#

Manual Integrations

APPROVED

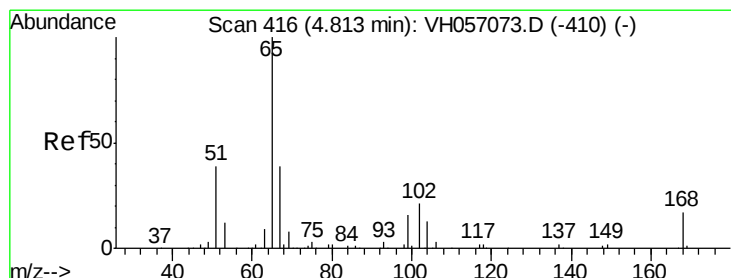
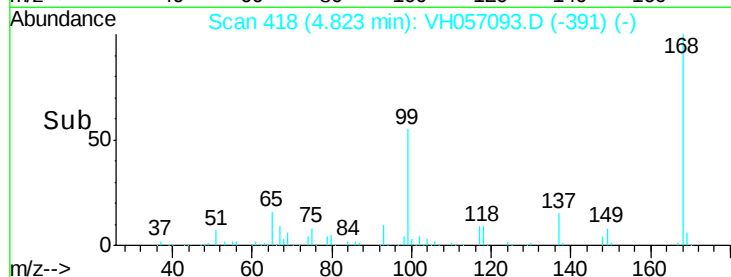
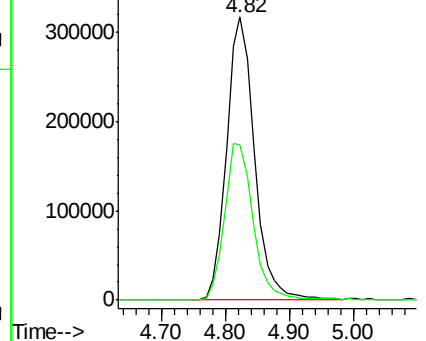
MMDadoda

9/22/2015 2:54:46 PM



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VH0



#33

1,2-Dichloroethane-d4

Concen: 30.16 ug/l

RT: 4.79 min Scan# 415

Delta R.T. -0.02 min

Lab File: VH057093.D

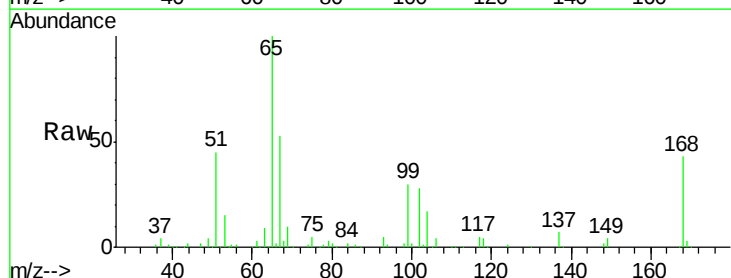
Acq: 21 Sep 2015 15:19

Tgt Ion: 65 Resp: 515358

Ion Ratio Lower Upper

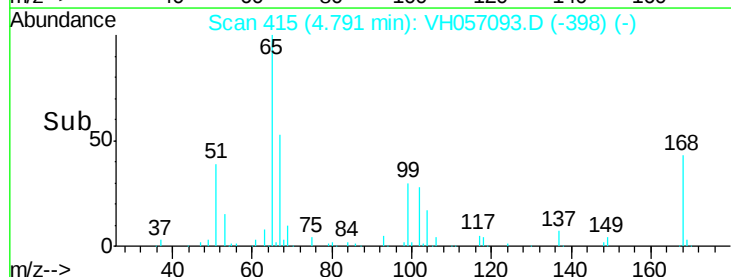
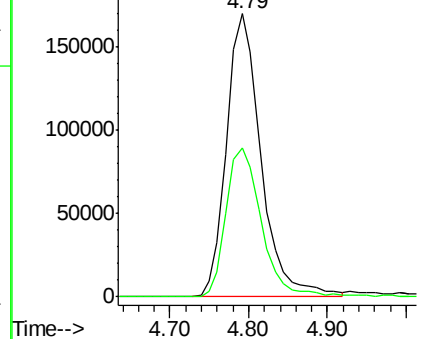
65 100

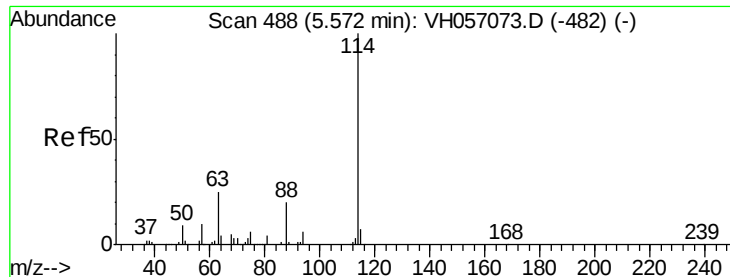
67 52.7 43.2 64.8



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: VH057093.D

Acq: 21 Sep 2015 15:19

Instrument :

MSVOA_H

ClientSampleId :

MGP201-19-20

Tot Ion:114 Resp: 1690363

Ion Ratio Lower Upper

114 100

63 20.7 19.0 28.4

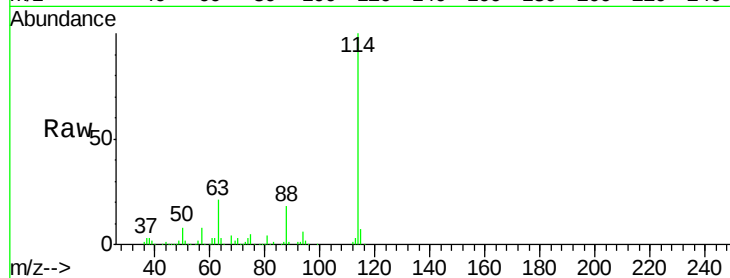
88 17.6 15.7 23.5

Manual Integrations

APPROVED

MMDadoda

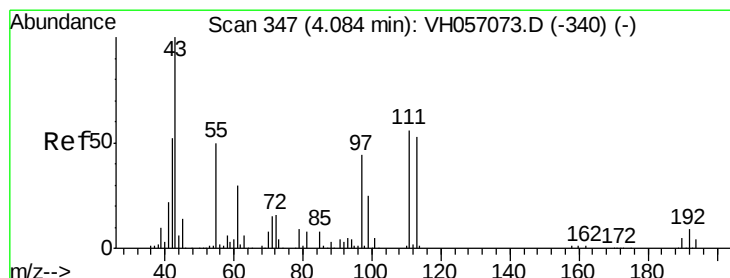
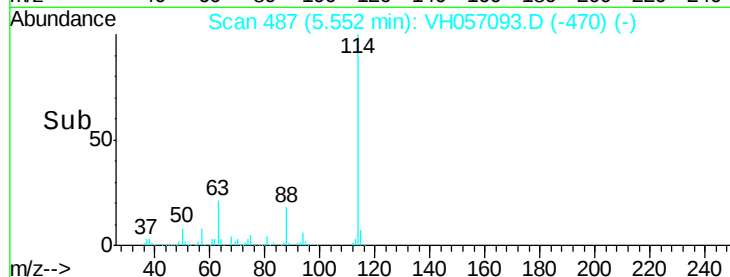
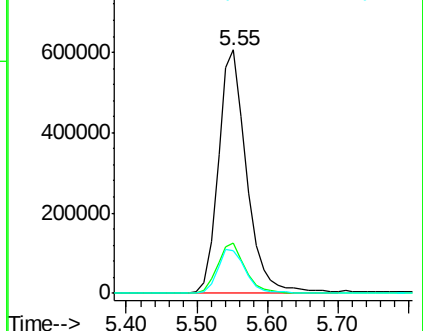
9/22/2015 2:54:46 PM



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): V

Ion 88.00 (87.70 to 88.70): V



#35

Dibromofluoromethane

Concen: 36.50 ug/l

RT: 4.06 min Scan# 345

Delta R.T. -0.03 min

Lab File: VH057093.D

Acq: 21 Sep 2015 15:19

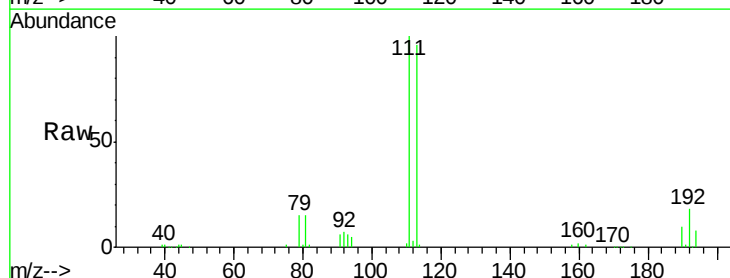
Tgt Ion:113 Resp: 491251

Ion Ratio Lower Upper

113 100

111 104.4 84.0 126.0

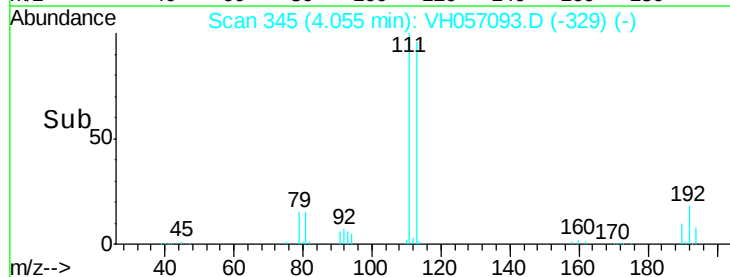
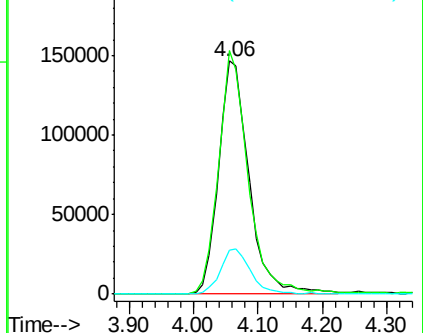
192 18.8 13.6 20.4

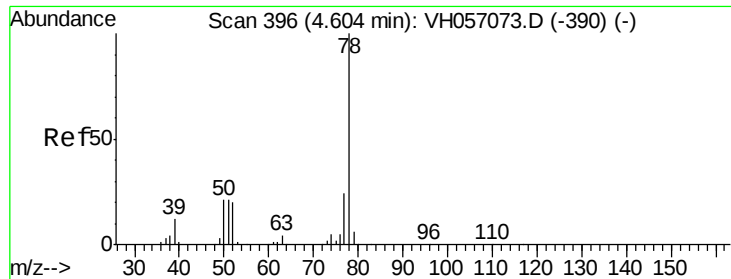


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





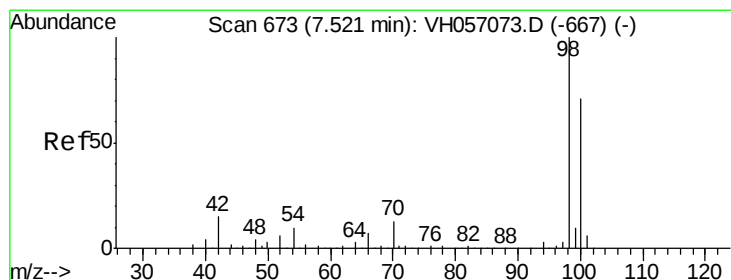
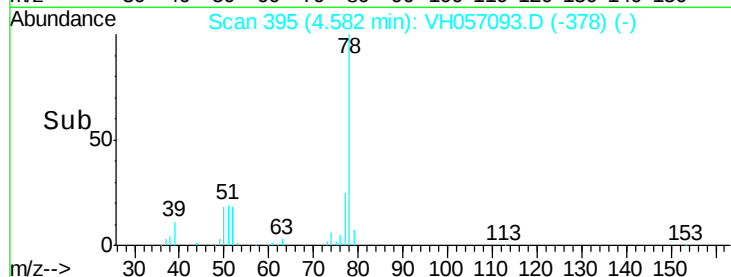
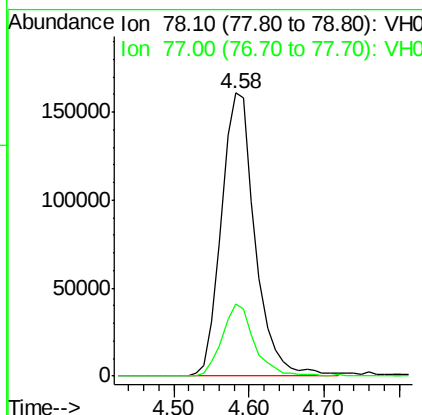
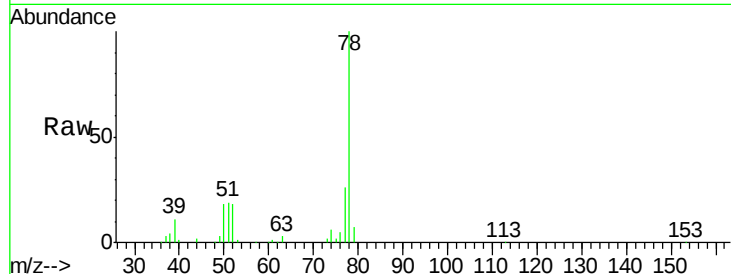
#39
Benzene
Concen: 11.12 ug/l
RT: 4.58 min Scan# 395
Delta R.T. -0.02 min
Lab File: VH057093.D
Acq: 21 Sep 2015 15:19

Instrument :
MSVOA_H
ClientSampleId :
MGP201-19-20

Tot Ion: 78 Resp: 491620
Ion Ratio Lower Upper
78 100
77 25.6 18.5 27.7

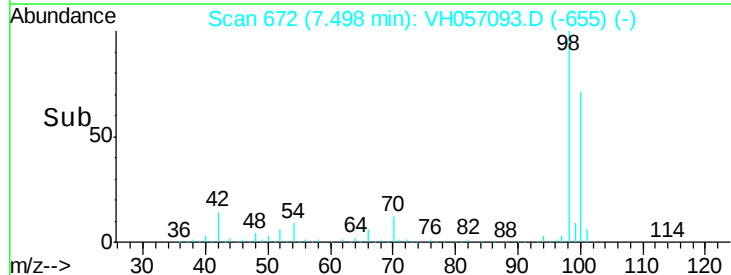
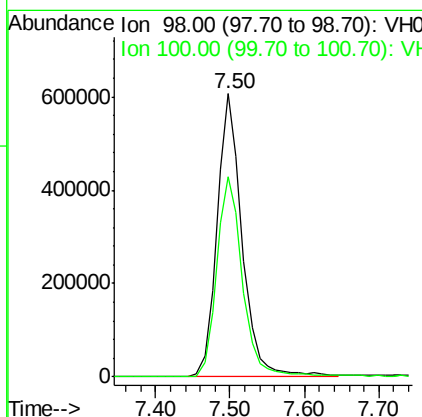
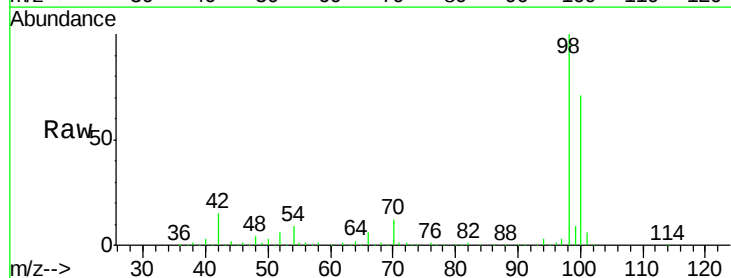
Manual Integrations
APPROVED

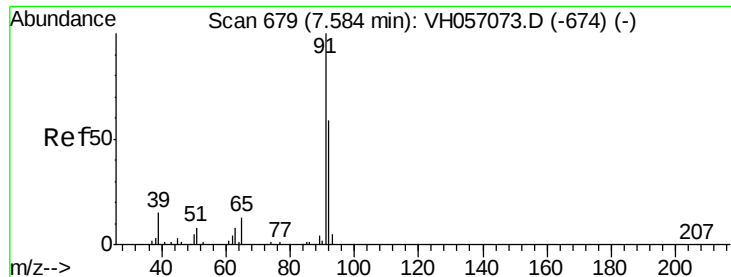
MMDadoda
9/22/2015 2:54:46 PM



#48
Toluene-d8
Concen: 36.57 ug/l
RT: 7.50 min Scan# 672
Delta R.T. -0.02 min
Lab File: VH057093.D
Acq: 21 Sep 2015 15:19

Tgt Ion: 98 Resp: 1415215
Ion Ratio Lower Upper
98 100
100 70.5 56.7 85.1





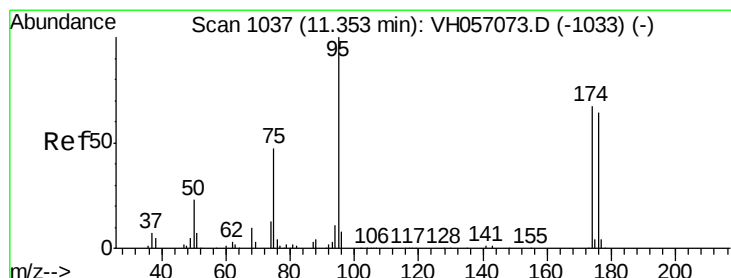
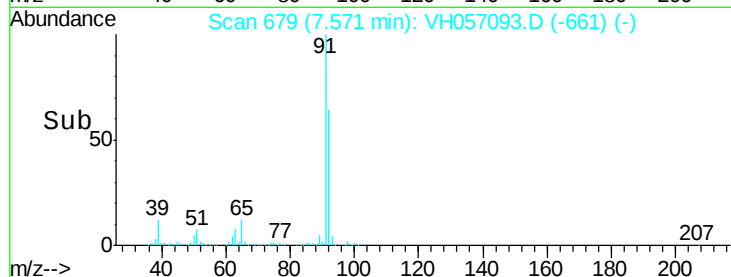
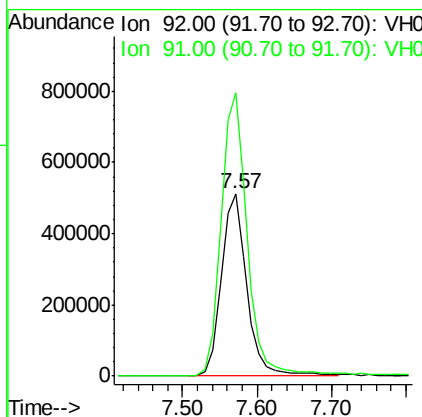
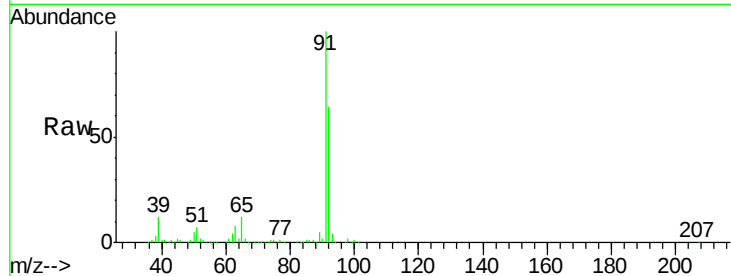
#50
Toluene
Concen: 43.83 ug/l
RT: 7.57 min Scan# 679
Delta R.T. -0.01 min
Lab File: VH057093.D
Acq: 21 Sep 2015 15:19

Instrument :
MSVOA_H
ClientSampleId :
MGP201-19-20

Tot Ion: 92 Resp: 1241284
Ion Ratio Lower Upper
92 100
91 155.1 125.8 188.6

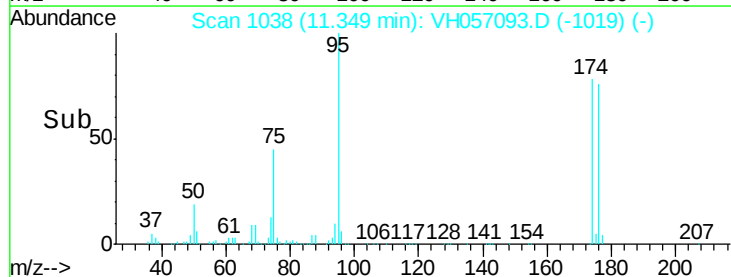
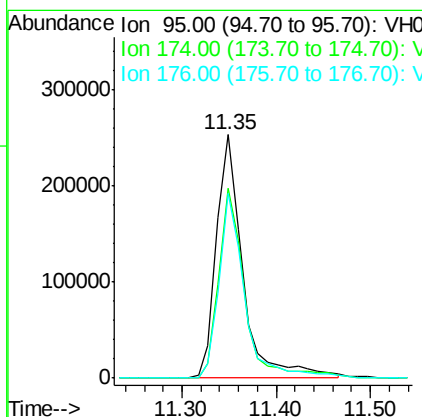
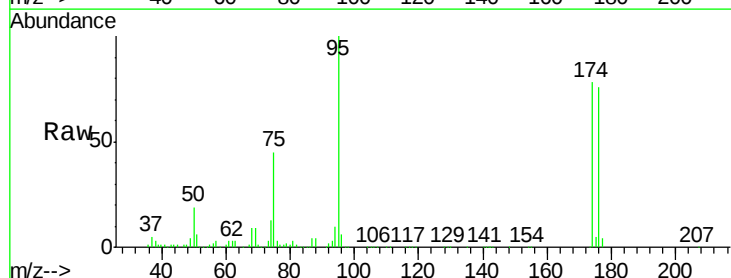
Manual Integrations
APPROVED

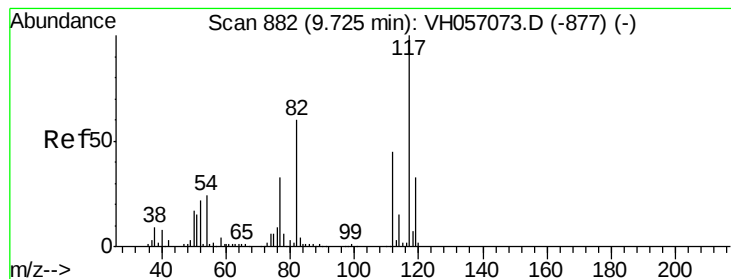
MMDadoda
9/22/2015 2:54:46 PM



#62
4-Bromofluorobenzene
Concen: 37.12 ug/l
RT: 11.35 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VH057093.D
Acq: 21 Sep 2015 15:19

Tgt Ion: 95 Resp: 484388
Ion Ratio Lower Upper
95 100
174 78.2 58.4 87.6
176 75.7 54.3 81.5





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 882

Delta R.T. -0.02 min

Lab File: VH057093.D

Acq: 21 Sep 2015 15:19

Instrument :

MSVOA_H

ClientSampleId :

MGP201-19-20

Tot Ion:117 Resp: 1319268

Ion Ratio Lower Upper

117 100

82 58.8 51.0 76.6

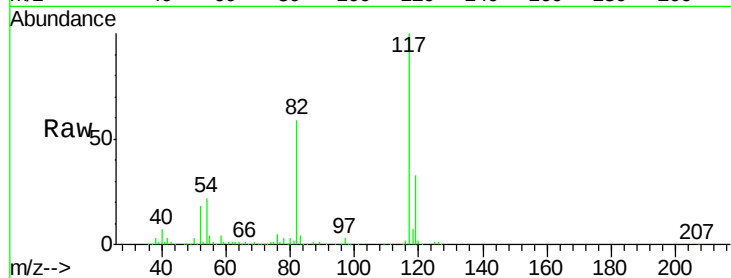
119 32.6 26.7 40.1

Manual Integrations

APPROVED

MMDadoda

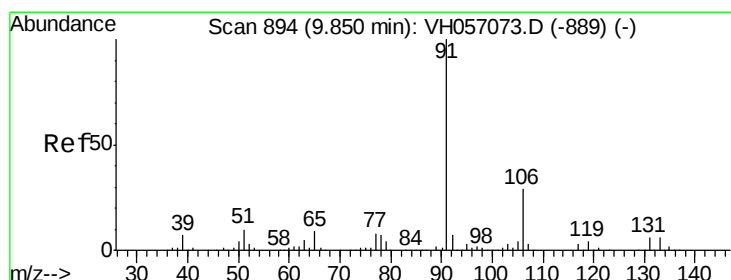
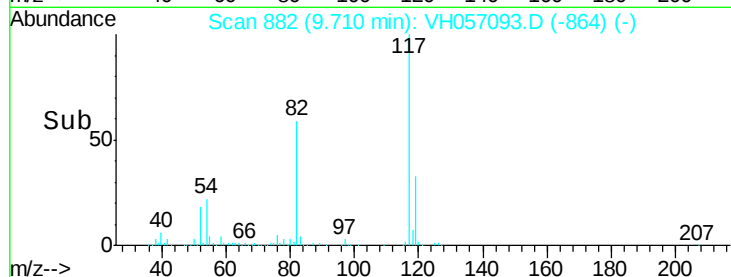
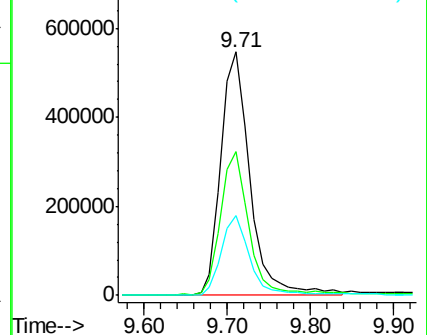
9/22/2015 2:54:46 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VH0

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 67.50 ug/l

RT: 9.84 min Scan# 894

Delta R.T. -0.01 min

Lab File: VH057093.D

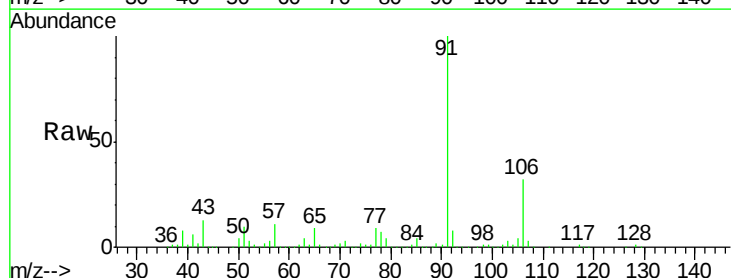
Acq: 21 Sep 2015 15:19

Tgt Ion:106 Resp: 927444

Ion Ratio Lower Upper

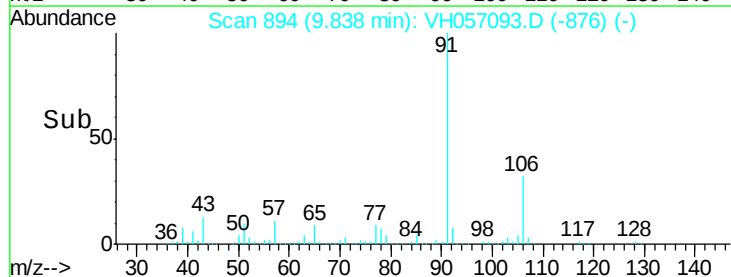
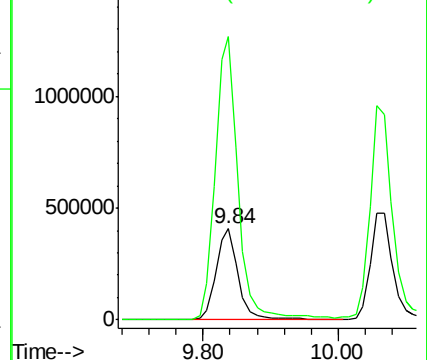
106 100

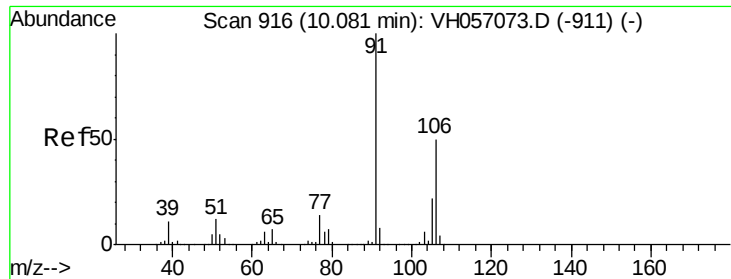
91 311.8 264.9 397.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VH0





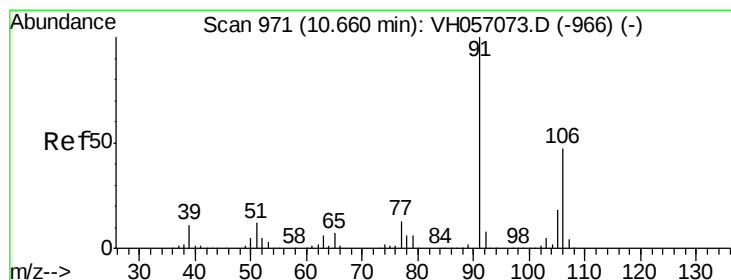
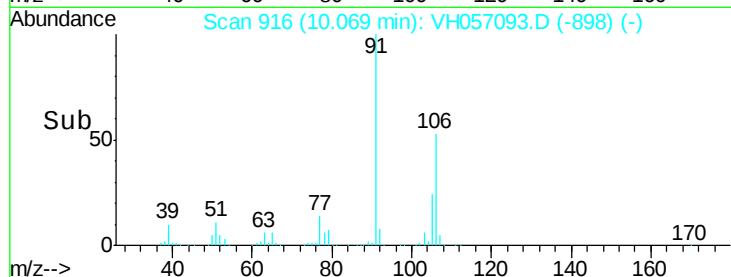
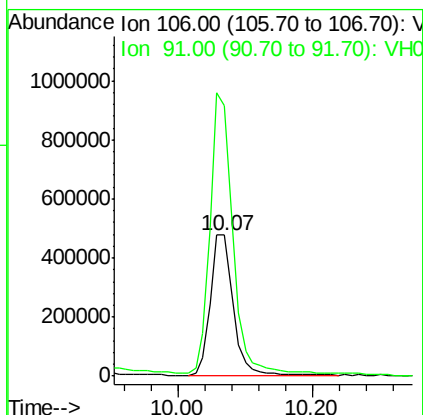
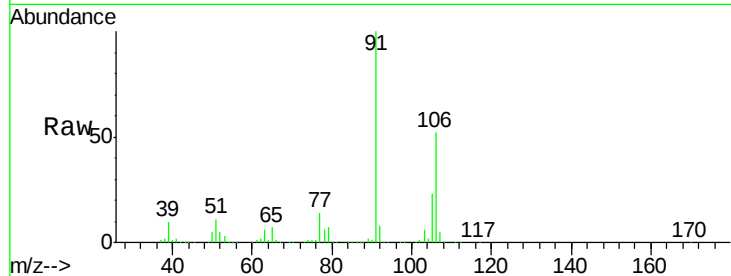
#68
m/p-Xvlenes
Concen: 66.00 ug/l
RT: 10.07 min Scan# 916
Delta R.T. -0.01 min
Lab File: VH057093.D
Acq: 21 Sep 2015 15:19

Instrument :
MSVOA_H
ClientSampled :
MGP201-19-20

Tot Ion:106 Resp: 1103105
Ion Ratio Lower Upper
106 100
91 192.1 164.4 246.6

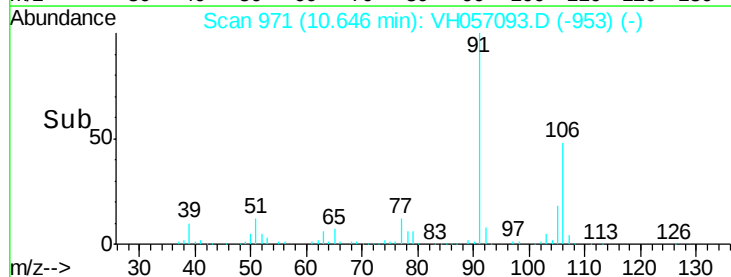
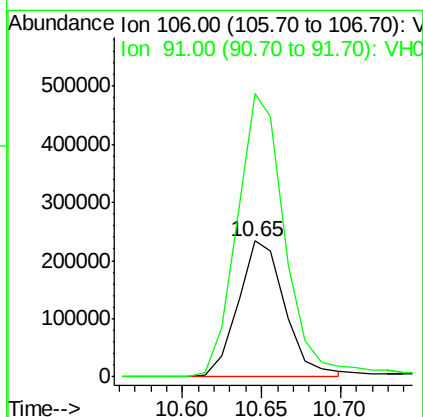
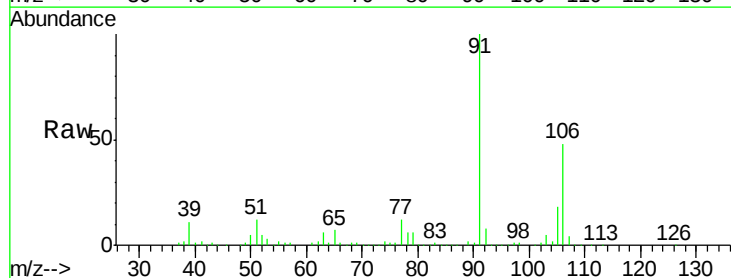
Manual Integrations
APPROVED

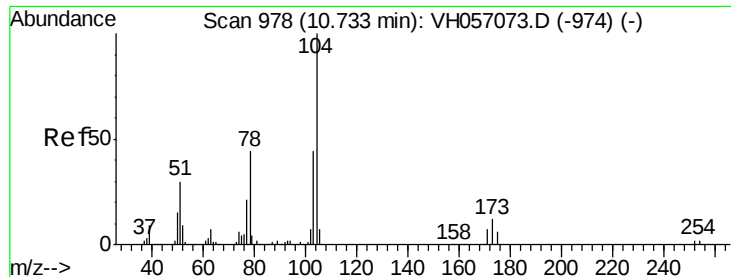
MMDadoda
9/22/2015 2:54:46 PM



#69
o-Xylene
Concen: 30.31 ug/l
RT: 10.65 min Scan# 971
Delta R.T. -0.01 min
Lab File: VH057093.D
Acq: 21 Sep 2015 15:19

Tgt Ion:106 Resp: 486535
Ion Ratio Lower Upper
106 100
91 208.4 104.2 312.6





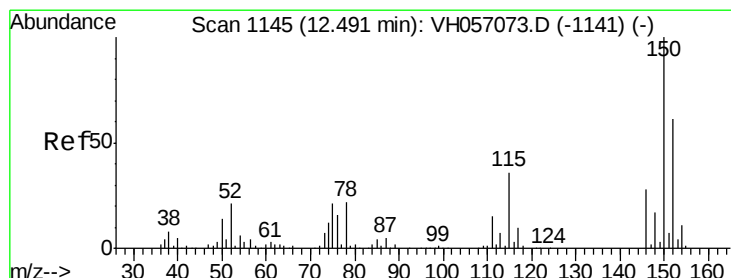
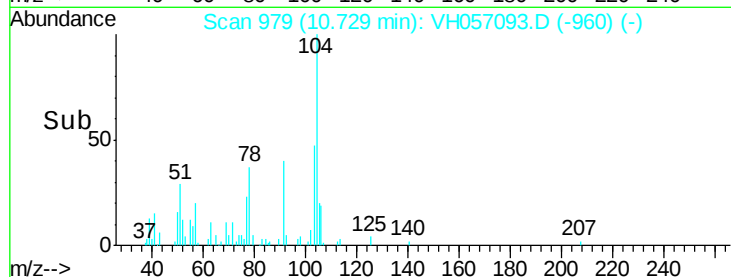
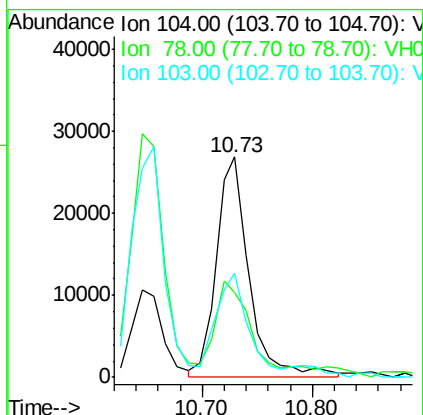
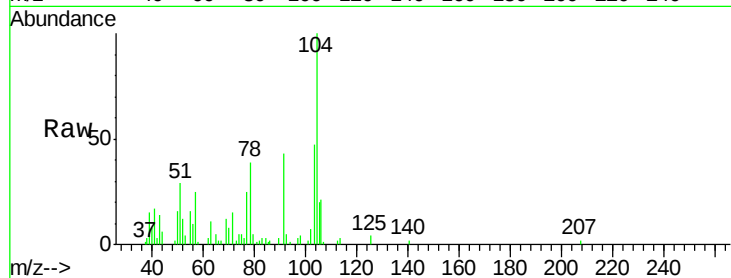
#70
Stvrene
Concen: 2.00 ug/l
RT: 10.73 min Scan# 979
Delta R.T. -0.00 min
Lab File: VH057093.D
Acq: 21 Sep 2015 15:19

Instrument :
MSVOA_H
ClientSampleId :
MGP201-19-20

Tot Ion	Ratio	Lower	Upper
104	100		
78	38.7	35.2	52.8
103	47.3	35.8	53.6

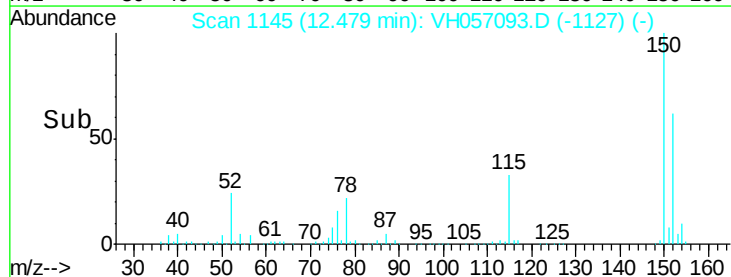
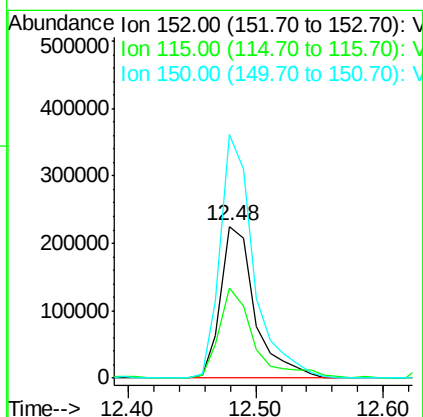
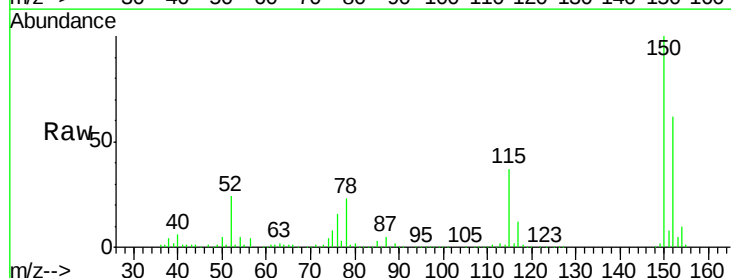
Manual Integrations
APPROVED

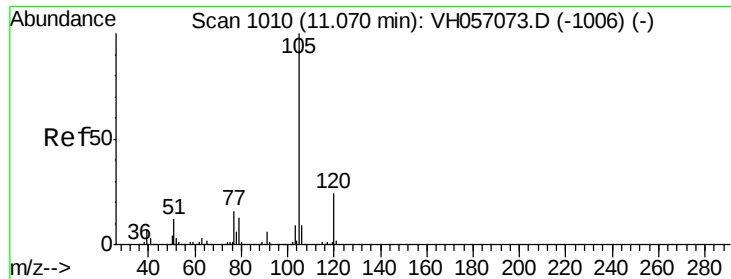
MMDadoda
9/22/2015 2:54:46 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.48 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VH057093.D
Acq: 21 Sep 2015 15:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	28.2	84.6
150	160.7	0.0	332.0





#73

Isopropylbenzene

Concen: 4.17 ug/l

RT: 11.06 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VH057093.D

Acq: 21 Sep 2015 15:19

Instrument :

MSVOA_H

ClientSampleId :

MGP201-19-20

Tot Ion: 105 Resp: 160798

Ion Ratio Lower Upper

105 100

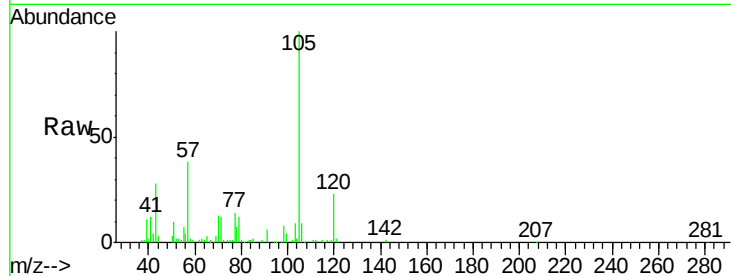
120 23.2 12.2 36.4

Manual Integrations

APPROVED

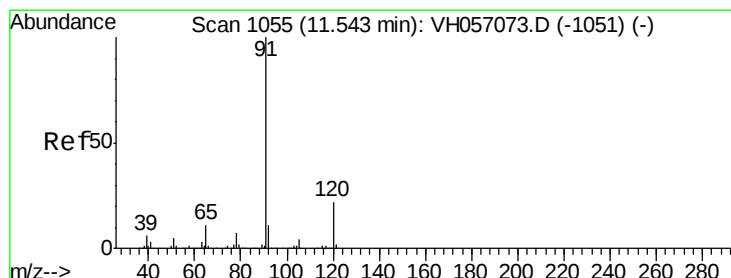
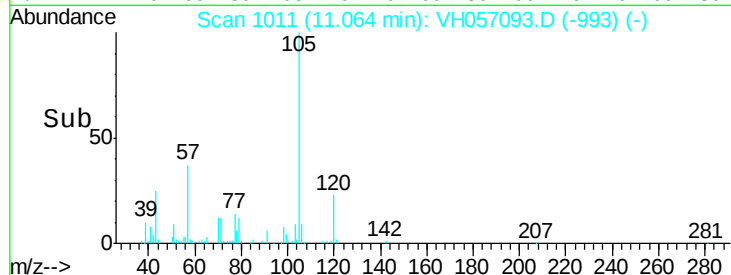
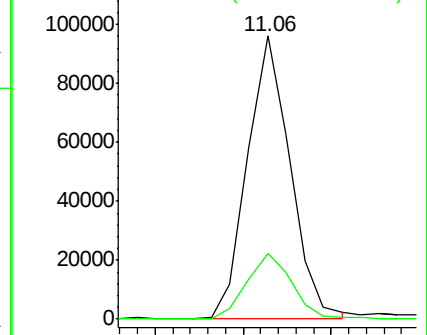
MMDadoda

9/22/2015 2:54:46 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.20 ug/l

RT: 11.53 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VH057093.D

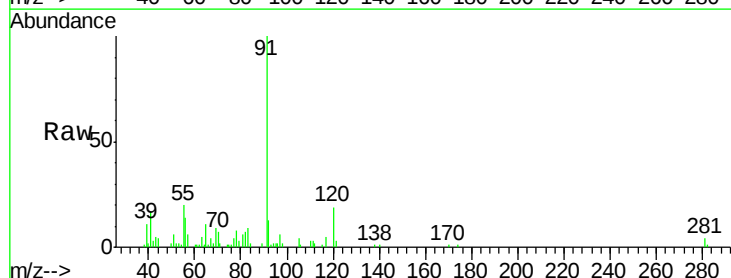
Acq: 21 Sep 2015 15:19

Tgt Ion: 91 Resp: 49566

Ion Ratio Lower Upper

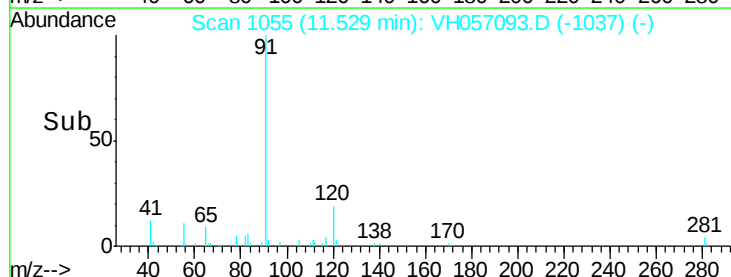
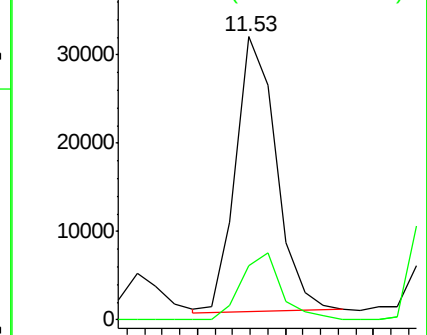
91 100

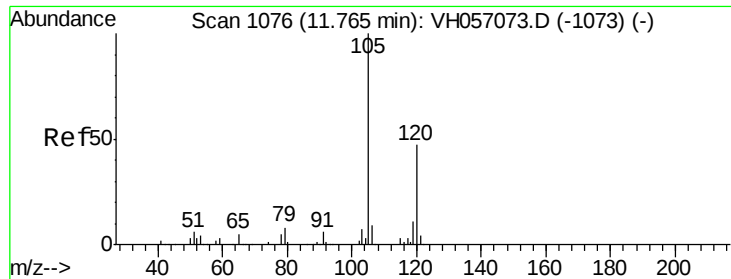
120 19.1 10.2 30.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





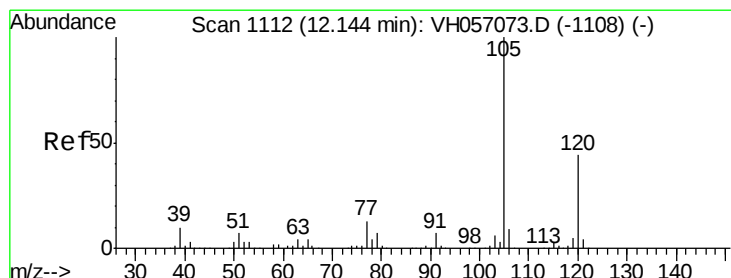
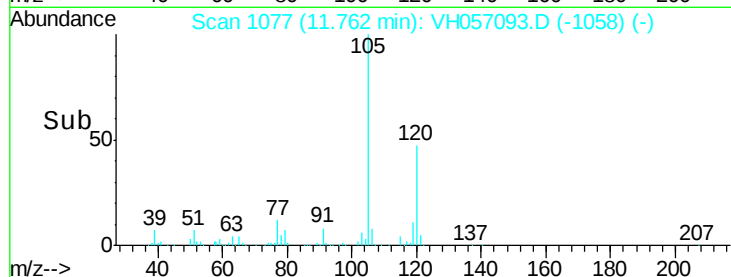
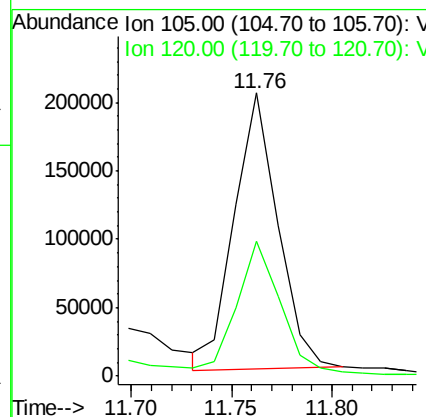
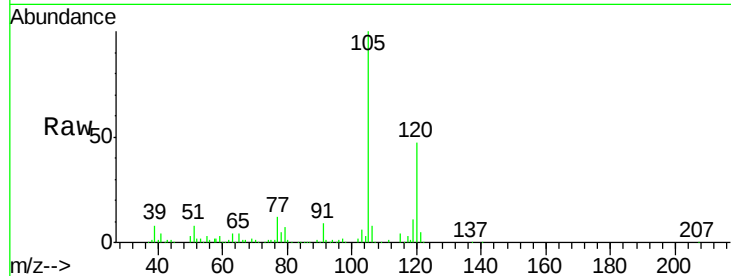
#80
 1,3,5-Trimethylbenzene
 Concen: 12.06 ug/l
 RT: 11.76 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VH057093.D
 Acq: 21 Sep 2015 15:19

Instrument :
 MSVOA_H
 ClientSampleId :
 MGP201-19-20

Tot Ion:105 Resp: 304146
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.6 71.0

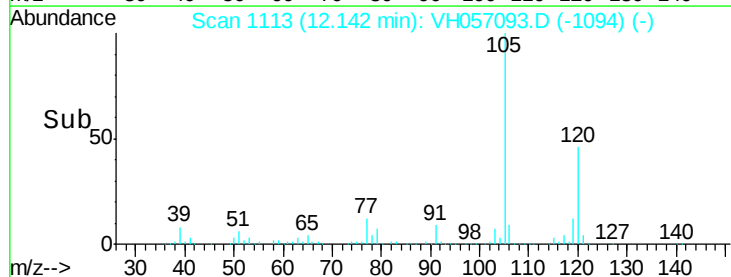
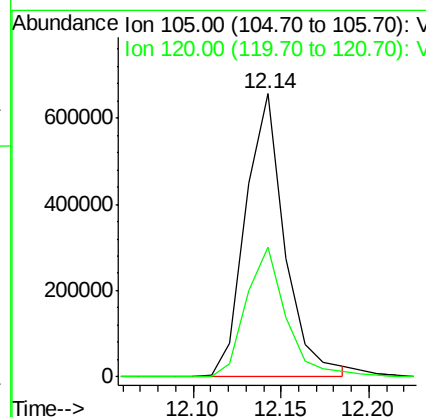
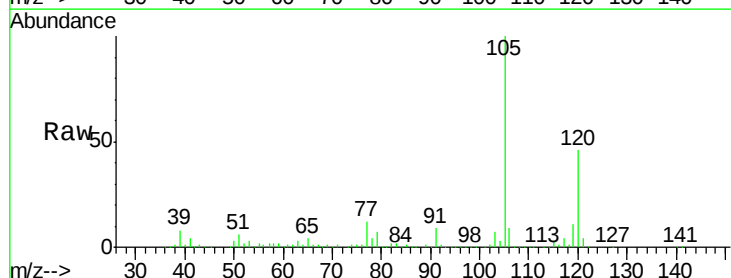
Manual Integrations
 APPROVED

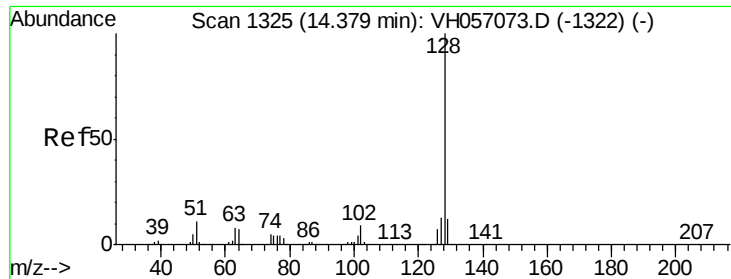
MMDadoda
 9/22/2015 2:54:46 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 39.02 ug/l
 RT: 12.14 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VH057093.D
 Acq: 21 Sep 2015 15:19

Tgt Ion:105 Resp: 1015674
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.6 67.7





#95
Naphthalene
Concen: 1064.95 ug/l
RT: 14.38 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VH057093.D
Acq: 21 Sep 2015 15:19

Instrument :
MSVOA_H
ClientSampleId :
MGP201-19-20

Tot Ion	Ratio	Lower	Upper
128	100		
127	24.1	9.6	14.4#
129	22.7	8.7	13.1#

Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:54:46 PM

