

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046812.D
 Acq On : 21 Sep 2015 17:32
 Operator : FY/SY
 Sample : G3748-02
 Misc : 11.30qm/5mL/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MGP202-38-40

Quant Time: Sep 22 02:23:08 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.30	168	172008	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.41	114	246560	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.56	117	228132	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	120346	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.70	65	95847	53.59	ug/l	-0.01
Spiked Amount				50.000		
Recovery						107.18%
35) Dibromofluoromethane	6.20	113	100637	52.17	ug/l	-0.02
Spiked Amount				50.000		
Recovery						104.34%
50) Toluene-d8	9.60	98	290246	47.69	ug/l	-0.02
Spiked Amount				50.000		
Recovery						95.38%
62) 4-Bromofluorobenzene	12.83	95	124485	50.80	ug/l	-0.02
Spiked Amount				50.000		
Recovery						101.60%

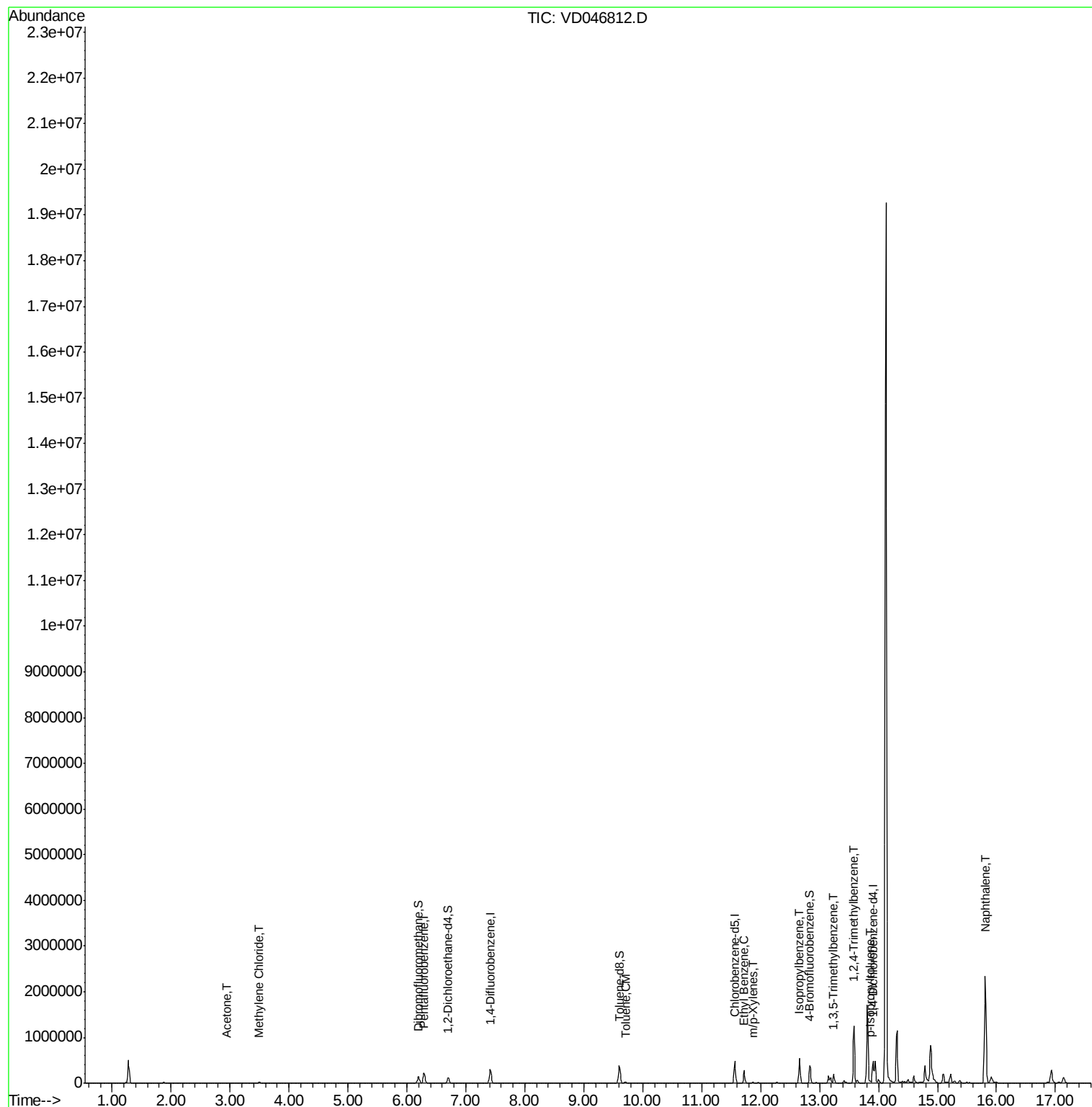
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Acetone	2.94	43	9075	30.03	ug/l #	85
21) Methylene Chloride	3.50	84	7566	4.61	ug/l #	82
52) Toluene	9.71	92	9705	2.14	ug/l	94
67) Ethyl Benzene	11.72	91	194219	20.13	ug/l	98
68) m/p-Xylenes	11.87	106	4595	1.51	ug/l #	65
73) Isopropylbenzene	12.66	105	312431	36.83	ug/l	96
80) 1,3,5-Trimethylbenzene	13.24	105	96832	14.32	ug/l	99
84) 1,2,4-Trimethylbenzene	13.58	105	615645	90.47	ug/l	99
86) p-Isopropyltoluene	13.87	119	15701	2.23	ug/l	91
95) Naphthalene	15.81	128	2026086	759.60	ug/l	99

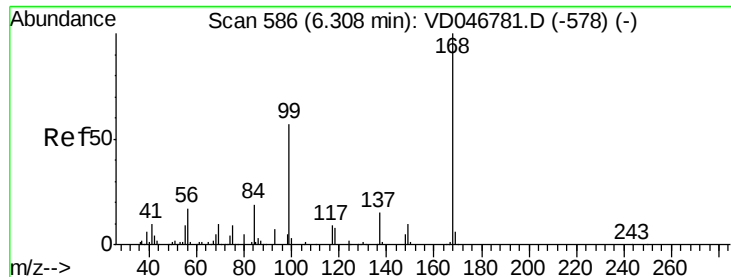
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
Data File : VD046812.D
Acq On : 21 Sep 2015 17:32
Operator : FY/SY
Sample : G3748-02
Misc : 11.30qm/5mL/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MGP202-38-40

Quant Time: Sep 22 02:23:08 2015
Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:47:18 2015
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.30 min Scan# 585

Delta R.T. -0.01 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleId :

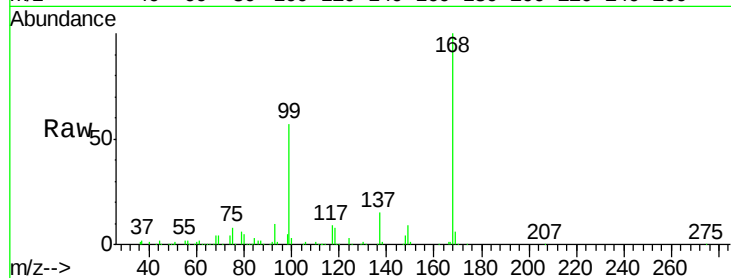
MGP202-38-40

Tot Ion:168 Resp: 172008

Ion Ratio Lower Upper

168 100

99 57.2 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.30

80000

60000

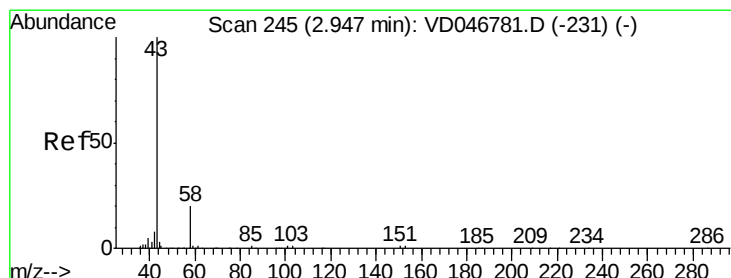
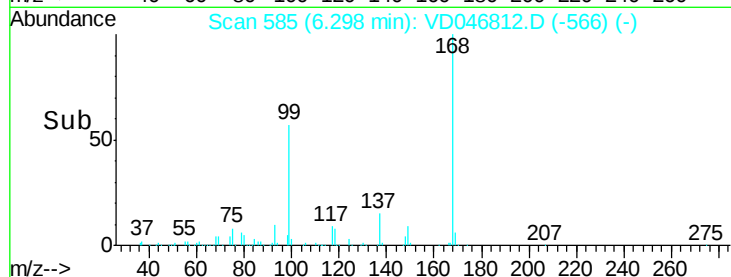
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#17

Acetone

Concen: 30.03 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD046812.D

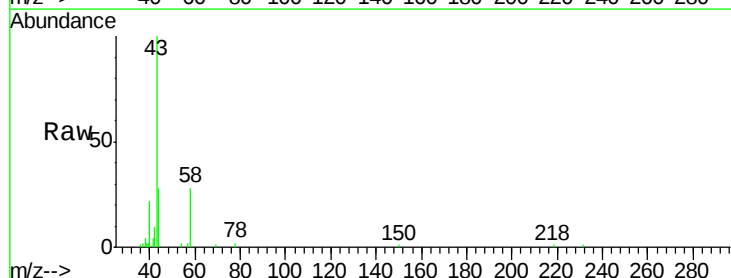
Acq: 21 Sep 2015 17:32

Tgt Ion: 43 Resp: 9075

Ion Ratio Lower Upper

43 100

58 27.6 16.6 24.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.94

5000

4000

3000

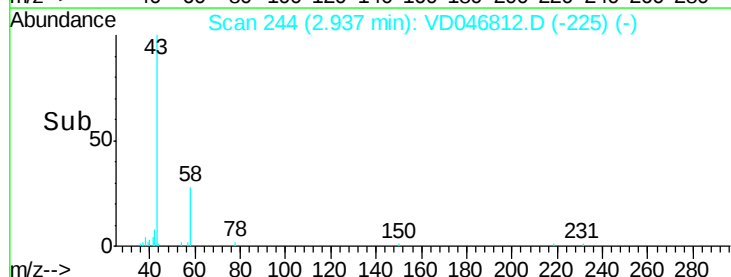
2000

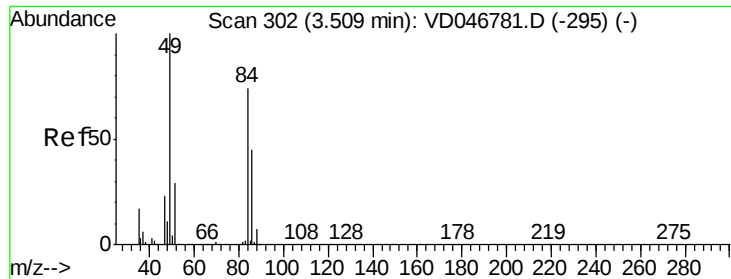
1000

0

Time-->

2.90 3.00

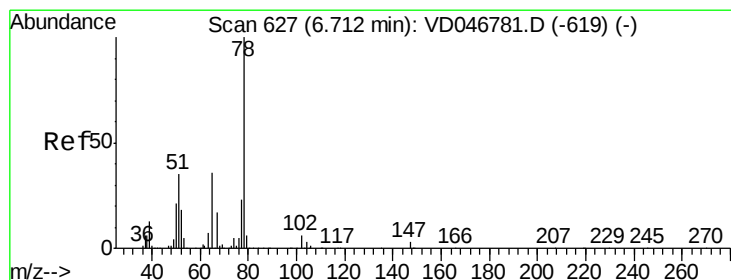
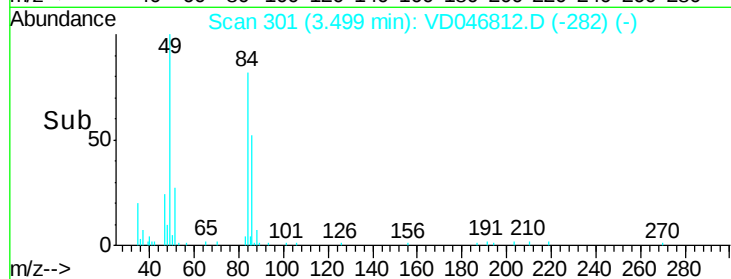
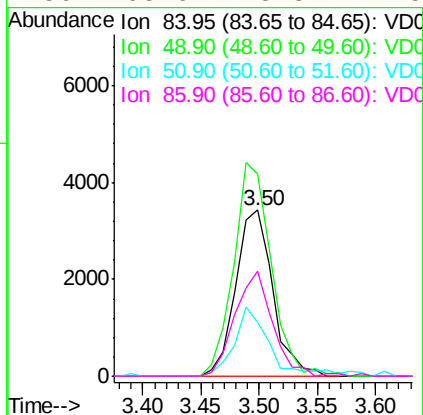
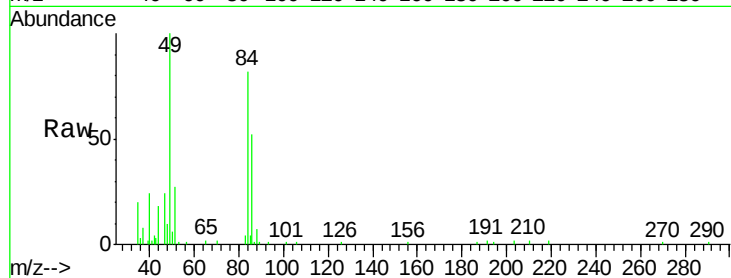




#21
Methvlene Chloride
Concen: 4.61 ug/l
RT: 3.50 min Scan# 301
Delta R.T. -0.01 min
Lab File: VD046812.D
Acq: 21 Sep 2015 17:32

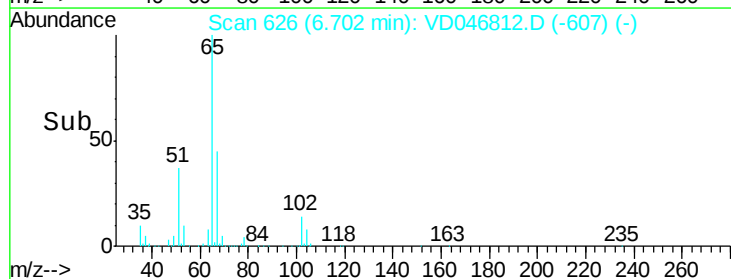
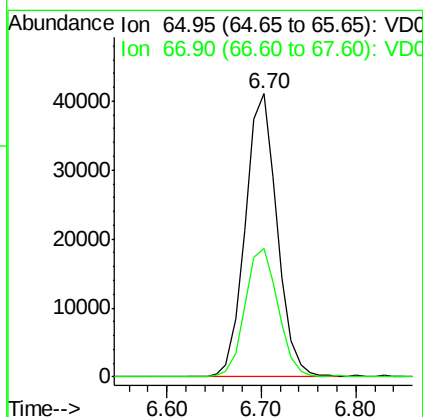
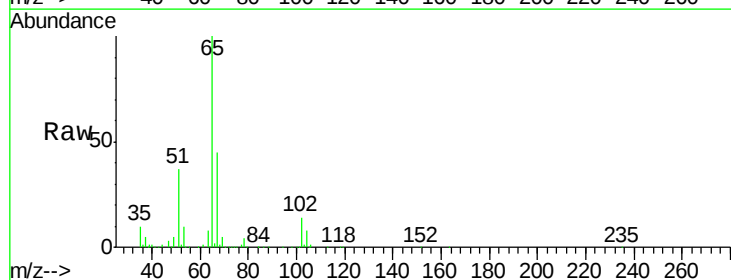
Instrument :
MSVOA_D
ClientSampleId :
MGP202-38-40

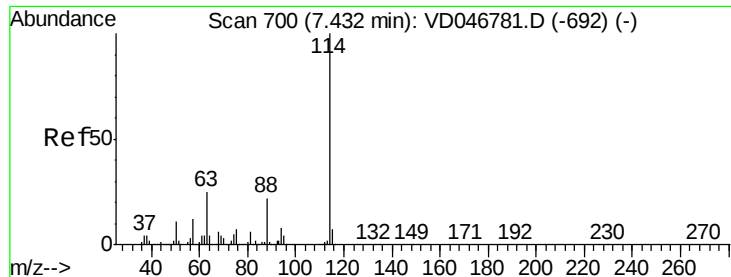
Tot Ion: 84 Resp: 7566
Ion Ratio Lower Upper
84 100
49 122.2 122.1 183.1
51 32.5 33.6 50.4#
86 63.6 48.3 72.5



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.70 min Scan# 626
Delta R.T. -0.01 min
Lab File: VD046812.D
Acq: 21 Sep 2015 17:32

Tgt Ion: 65 Resp: 95847
Ion Ratio Lower Upper
65 100
67 45.3 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.41 min Scan# 698

Delta R.T. -0.02 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleId :

MGP202-38-40

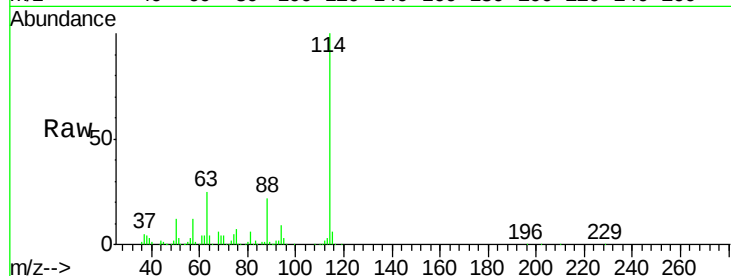
Tot Ion:114 Resp: 246560

Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.8

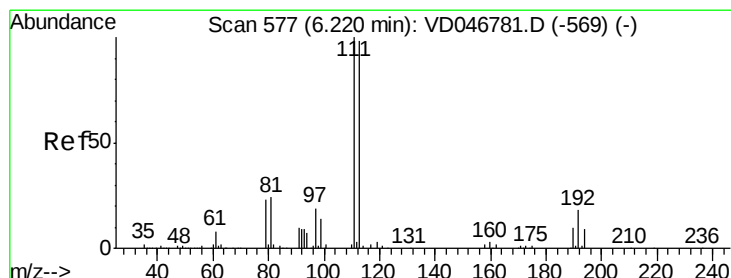
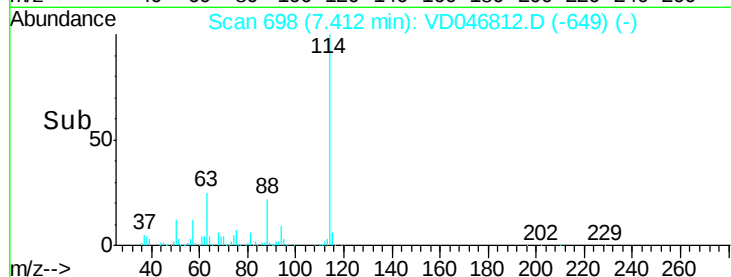
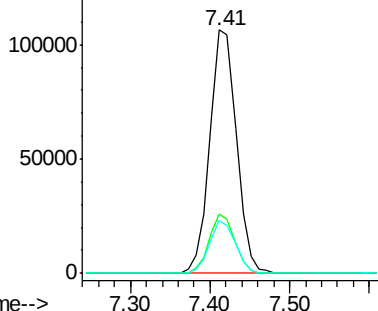
88 21.5 0.0 43.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.20 min Scan# 575

Delta R.T. -0.02 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

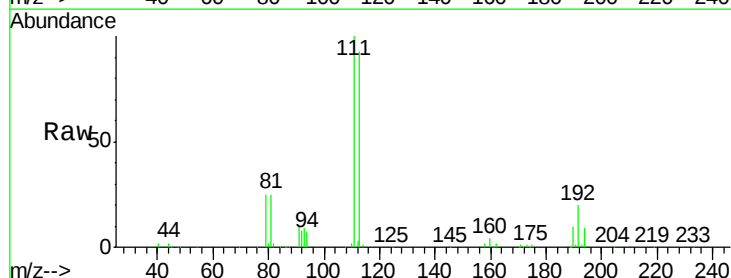
Tgt Ion:113 Resp: 100637

Ion Ratio Lower Upper

113 100

111 107.5 79.4 119.0

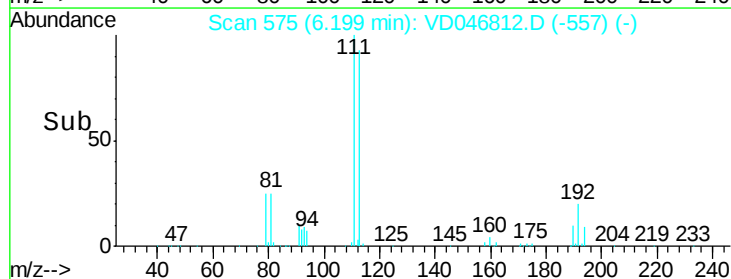
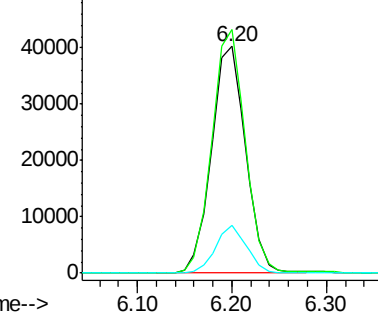
192 21.1 14.6 22.0

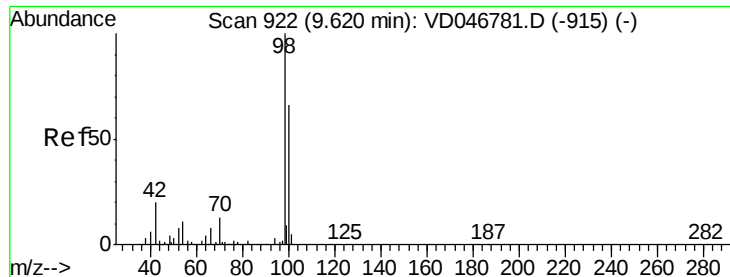


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleId :

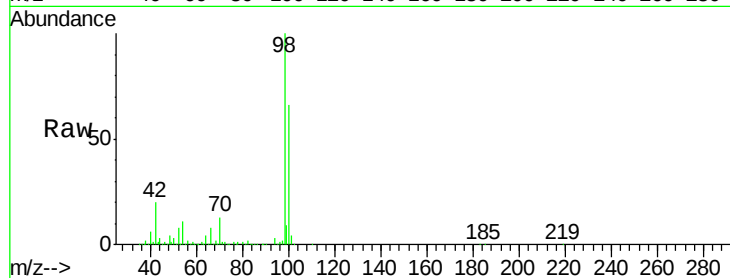
MGP202-38-40

Tot Ion: 98 Resp: 290246

Ion Ratio Lower Upper

98 100

100 65.5 49.9 74.9



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

9.60

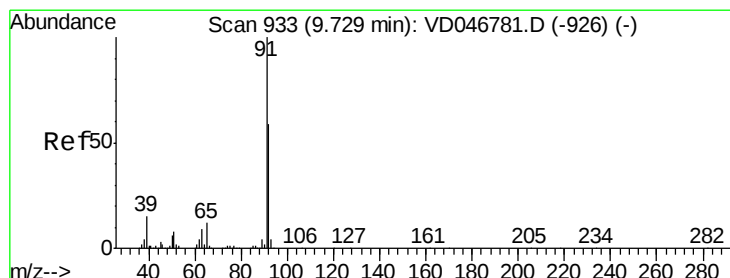
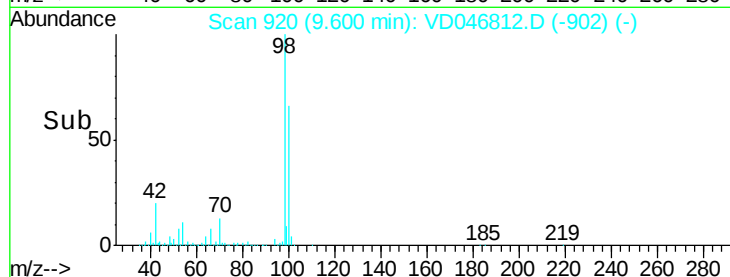
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 2.14 ug/l

RT: 9.71 min Scan# 931

Delta R.T. -0.02 min

Lab File: VD046812.D

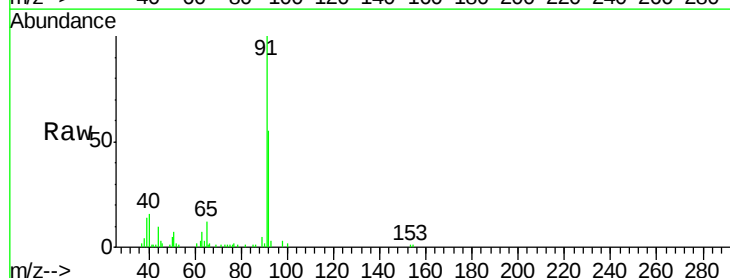
Acq: 21 Sep 2015 17:32

Tgt Ion: 92 Resp: 9705

Ion Ratio Lower Upper

92 100

91 181.9 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.71

8000

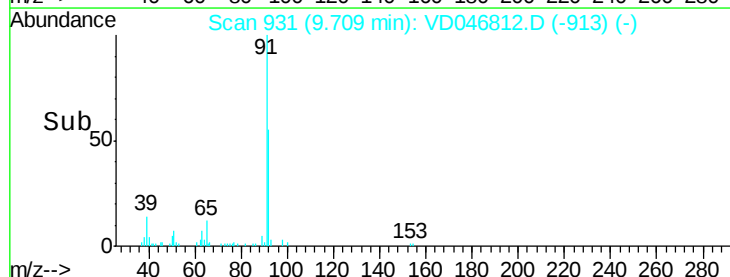
6000

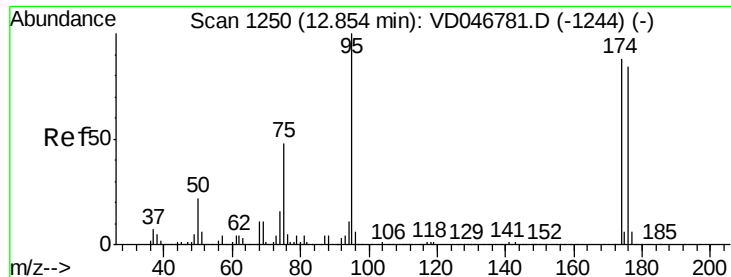
4000

2000

0

Time-->

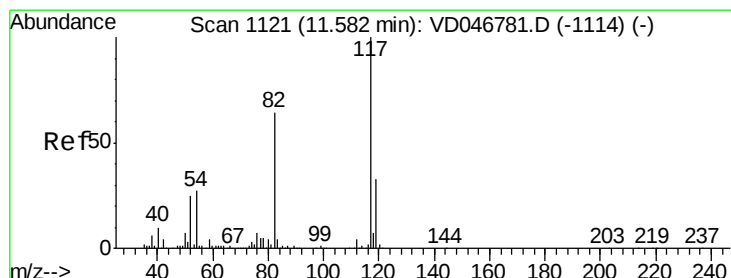
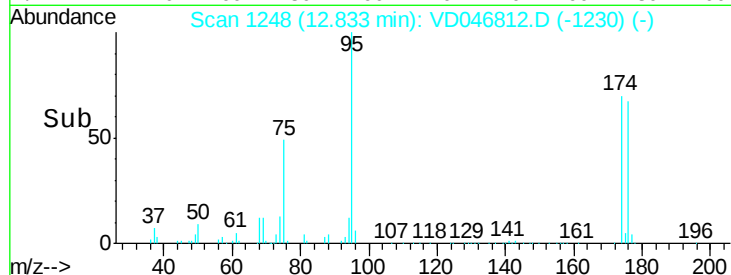
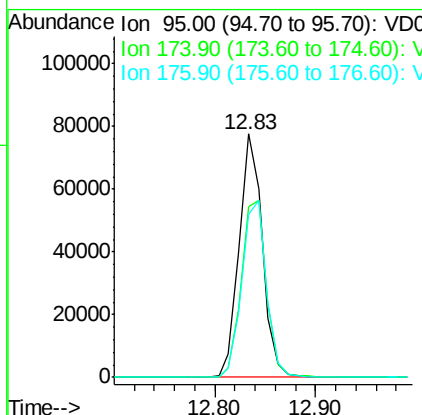
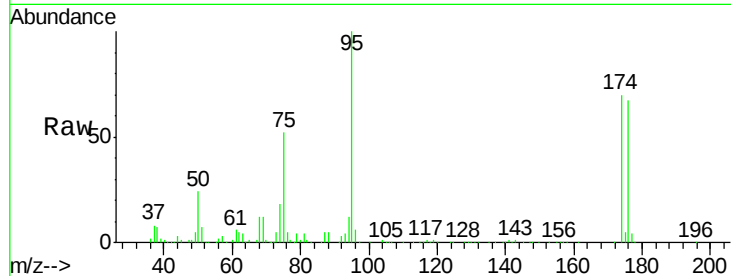




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.83 min Scan# 1248
Delta R.T. -0.02 min
Lab File: VD046812.D
Acq: 21 Sep 2015 17:32

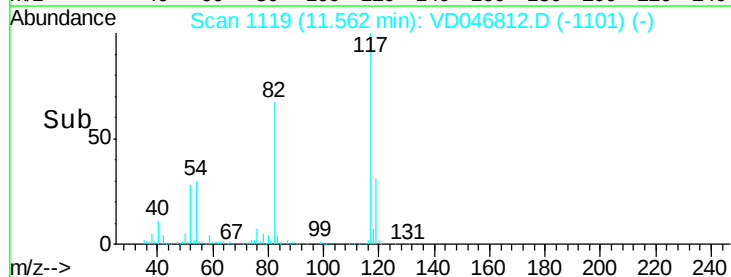
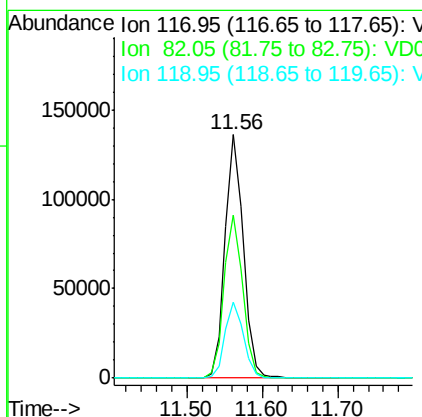
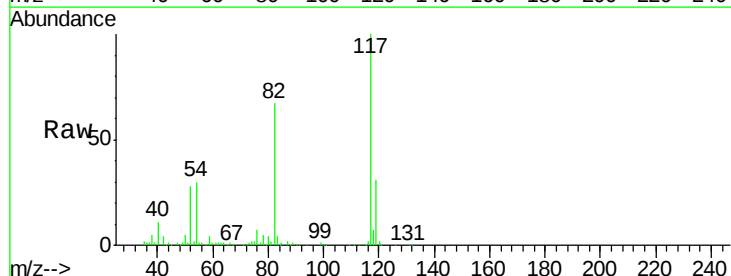
Instrument :
MSVOA_D
ClientSampleId :
MGP202-38-40

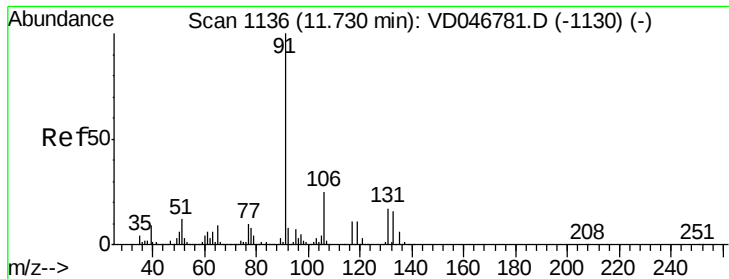
Tot Ion: 95 Resp: 124485
Ion Ratio Lower Upper
95 100
174 70.0 0.0 149.8
176 66.7 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.56 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VD046812.D
Acq: 21 Sep 2015 17:32

Tgt Ion: 117 Resp: 228132
Ion Ratio Lower Upper
117 100
82 66.7 50.6 75.8
119 31.4 25.8 38.8





#67

Ethyl Benzene

Concen: 20.13 ug/l

RT: 11.72 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleId :

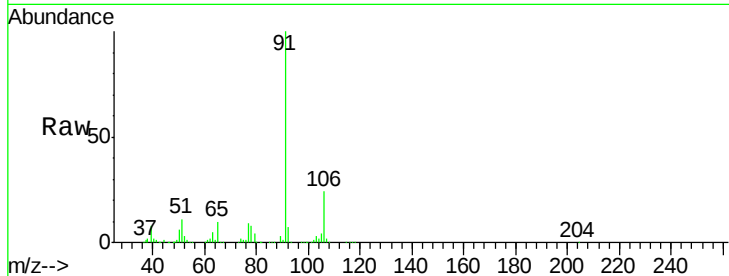
MGP202-38-40

Tot Ion: 91 Resp: 194219

Ion Ratio Lower Upper

91 100

106 24.0 20.2 30.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

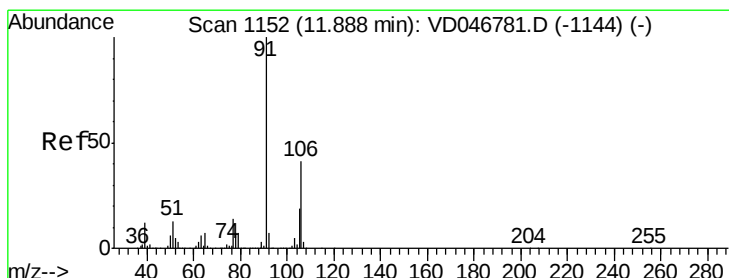
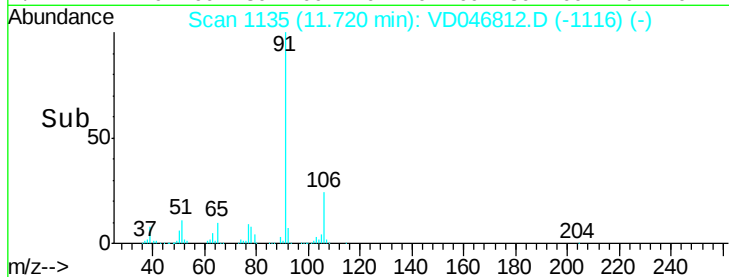
11.72

100000

50000

0

Time--> 11.60 11.70 11.80



#68

m/p-Xylenes

Concen: 1.51 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VD046812.D

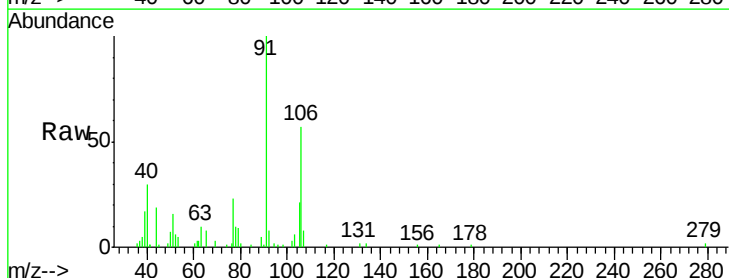
Acq: 21 Sep 2015 17:32

Tgt Ion: 106 Resp: 4595

Ion Ratio Lower Upper

106 100

91 176.3 187.9 281.9#



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

11.87

25000

20000

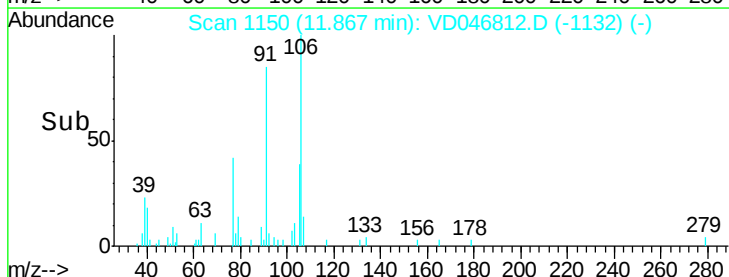
15000

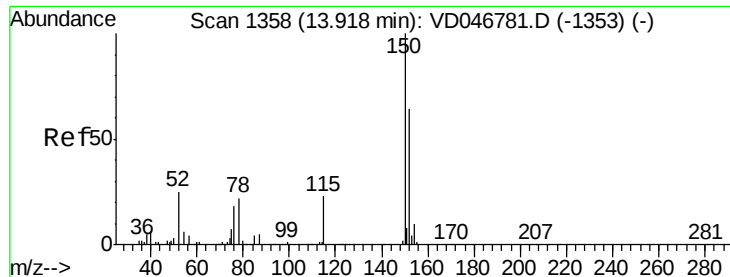
10000

5000

0

Time--> 11.80 11.90





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.91 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleId :

MGP202-38-40

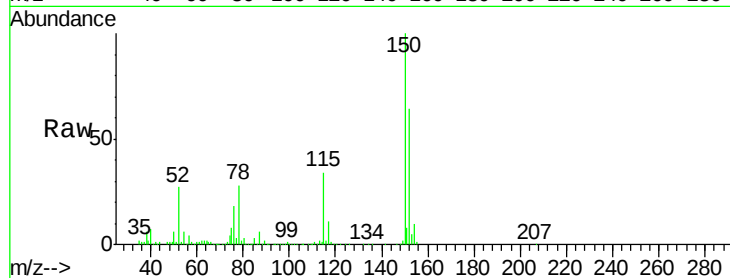
Tot Ion:152 Resp: 120346

Ion Ratio Lower Upper

152 100

115 53.1 26.2 78.6

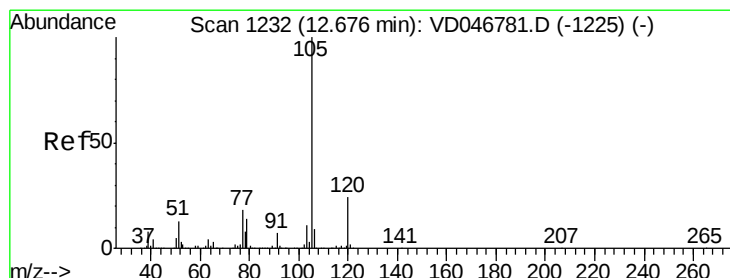
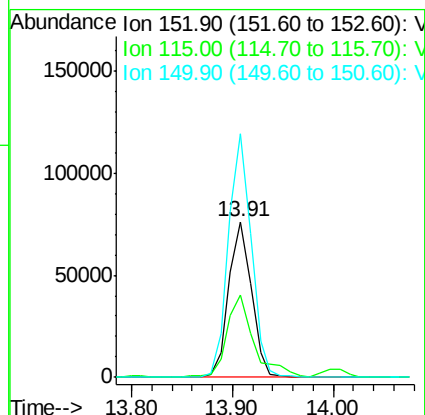
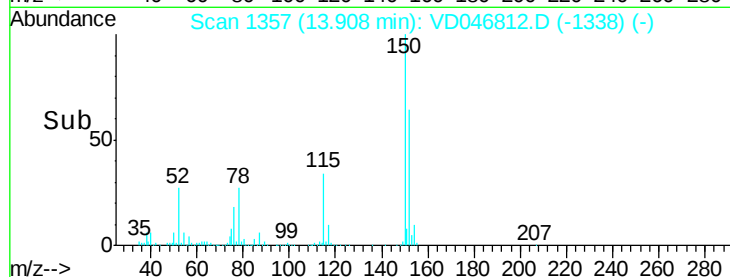
150 156.3 0.0 311.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 36.83 ug/l

RT: 12.66 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD046812.D

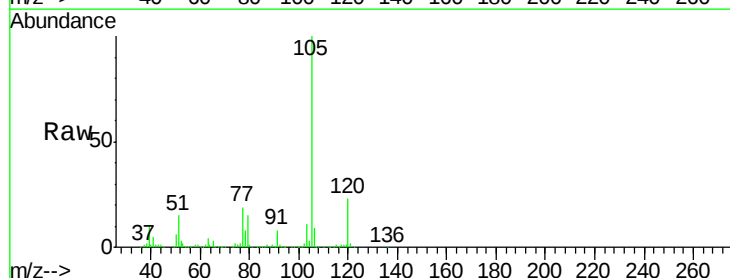
Acq: 21 Sep 2015 17:32

Tgt Ion:105 Resp: 312431

Ion Ratio Lower Upper

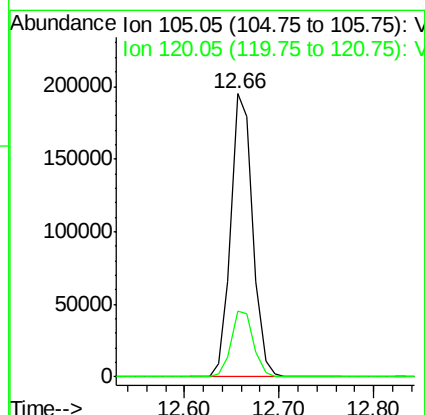
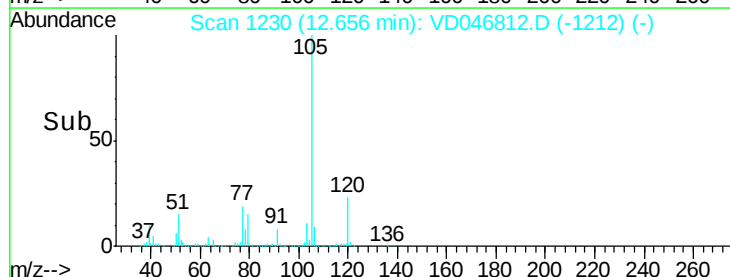
105 100

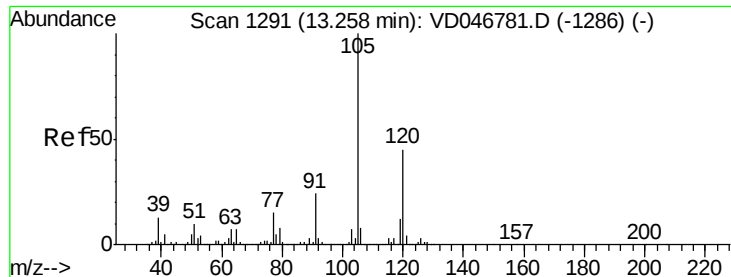
120 23.0 12.4 37.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#80

1,3,5-Trimethylbenzene

Concen: 14.32 ug/l

RT: 13.24 min Scan# 1289

Delta R.T. -0.02 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleId :

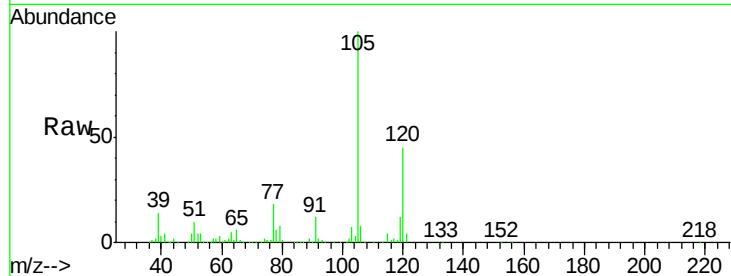
MGP202-38-40

Tot Ion:105 Resp: 96832

Ion Ratio Lower Upper

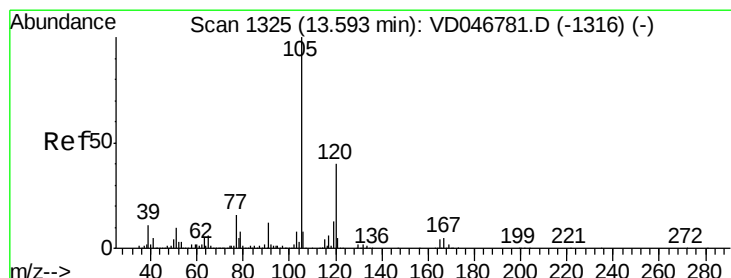
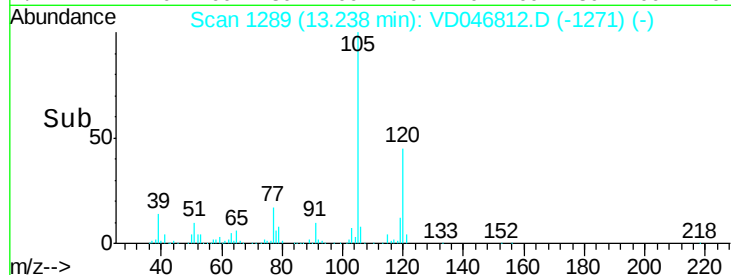
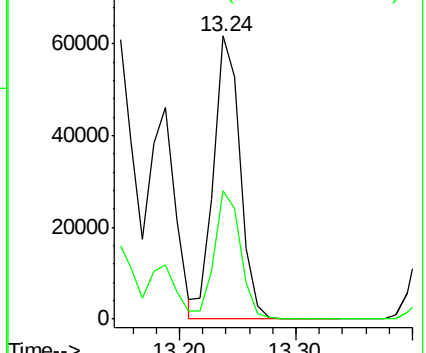
105 100

120 45.3 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#84

1,2,4-Trimethylbenzene

Concen: 90.47 ug/l

RT: 13.58 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VD046812.D

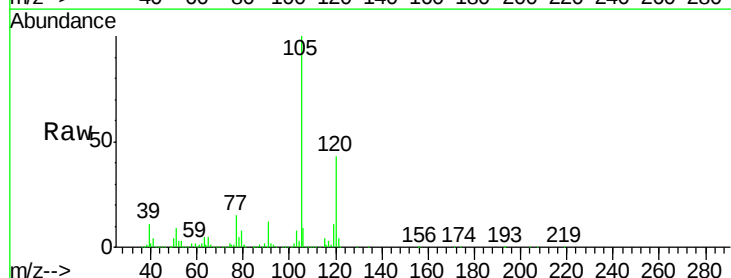
Acq: 21 Sep 2015 17:32

Tgt Ion:105 Resp: 615645

Ion Ratio Lower Upper

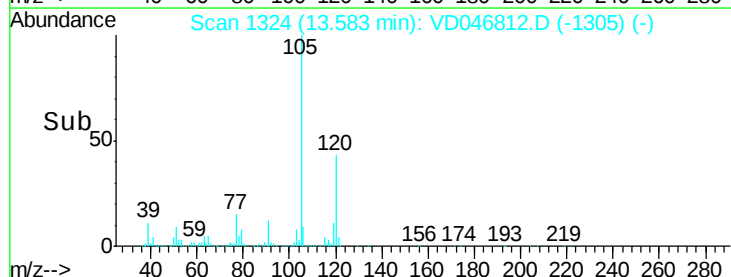
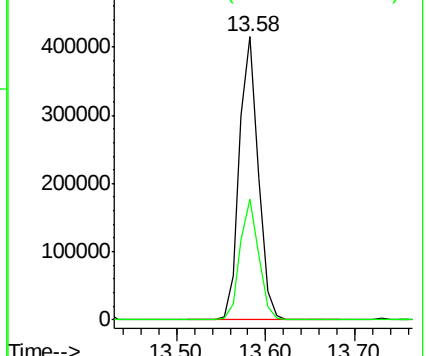
105 100

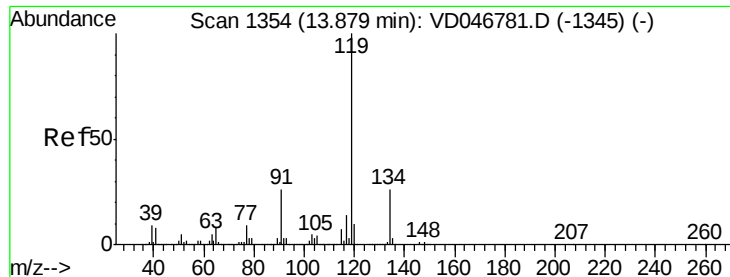
120 42.8 21.1 63.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

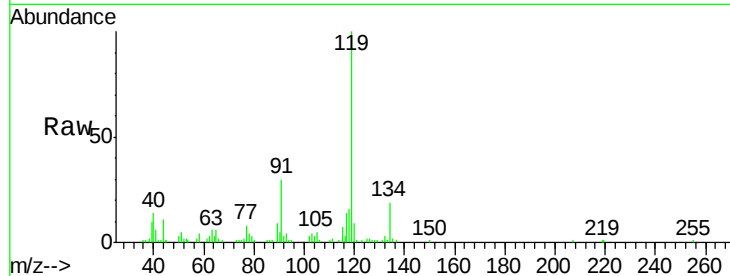




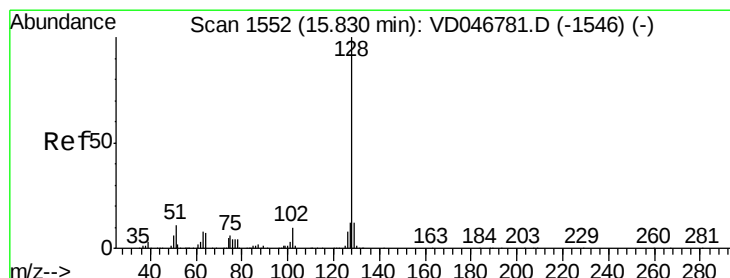
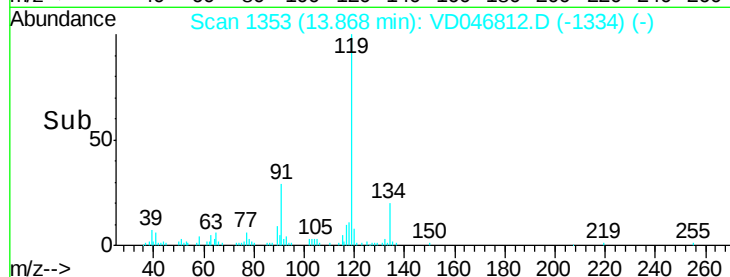
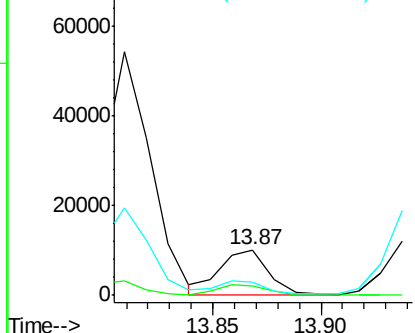
#86
p-Isopropyltoluene
Concen: 2.23 ug/l
RT: 13.87 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VD046812.D
Acq: 21 Sep 2015 17:32

Instrument :
MSVOA_D
ClientSampleId :
MGP202-38-40

Tot Ion:119 Resp: 15701
Ion Ratio Lower Upper
119 100
134 19.2 13.0 38.9
91 30.4 13.8 41.3

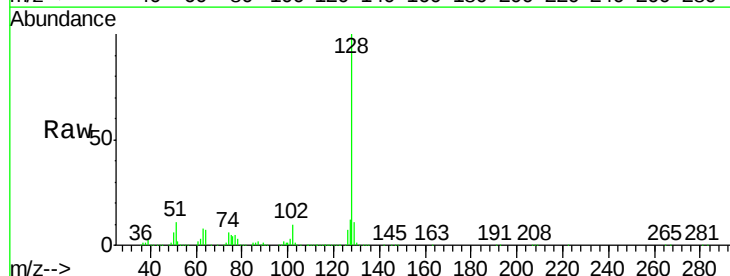


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 134.10 (133.80 to 134.80): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 759.60 ug/l
RT: 15.81 min Scan# 1550
Delta R.T. -0.02 min
Lab File: VD046812.D
Acq: 21 Sep 2015 17:32

Tgt Ion:128 Resp: 2026086
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.6
129 11.2 8.6 12.8



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

