

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046813.D
 Acq On : 21 Sep 2015 17:59
 Operator : FY/SY
 Sample : G3748-03
 Misc : 11.19um/5mL/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MGP202-42-44

Quant Time: Sep 22 02:26:10 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	6.29	168	142232	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.41	114	202268	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.56	117	187068	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	90286	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	89638	60.62	ug/l	-0.01
Spiked Amount			Recovery	=	121.24%	
35) Dibromofluoromethane	6.20	113	86962	54.95	ug/l	-0.02
Spiked Amount			Recovery	=	109.90%	
50) Toluene-d8	9.60	98	235119	47.09	ug/l	-0.02
Spiked Amount			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	12.83	95	103114	51.29	ug/l	-0.02
Spiked Amount			Recovery	=	102.58%	

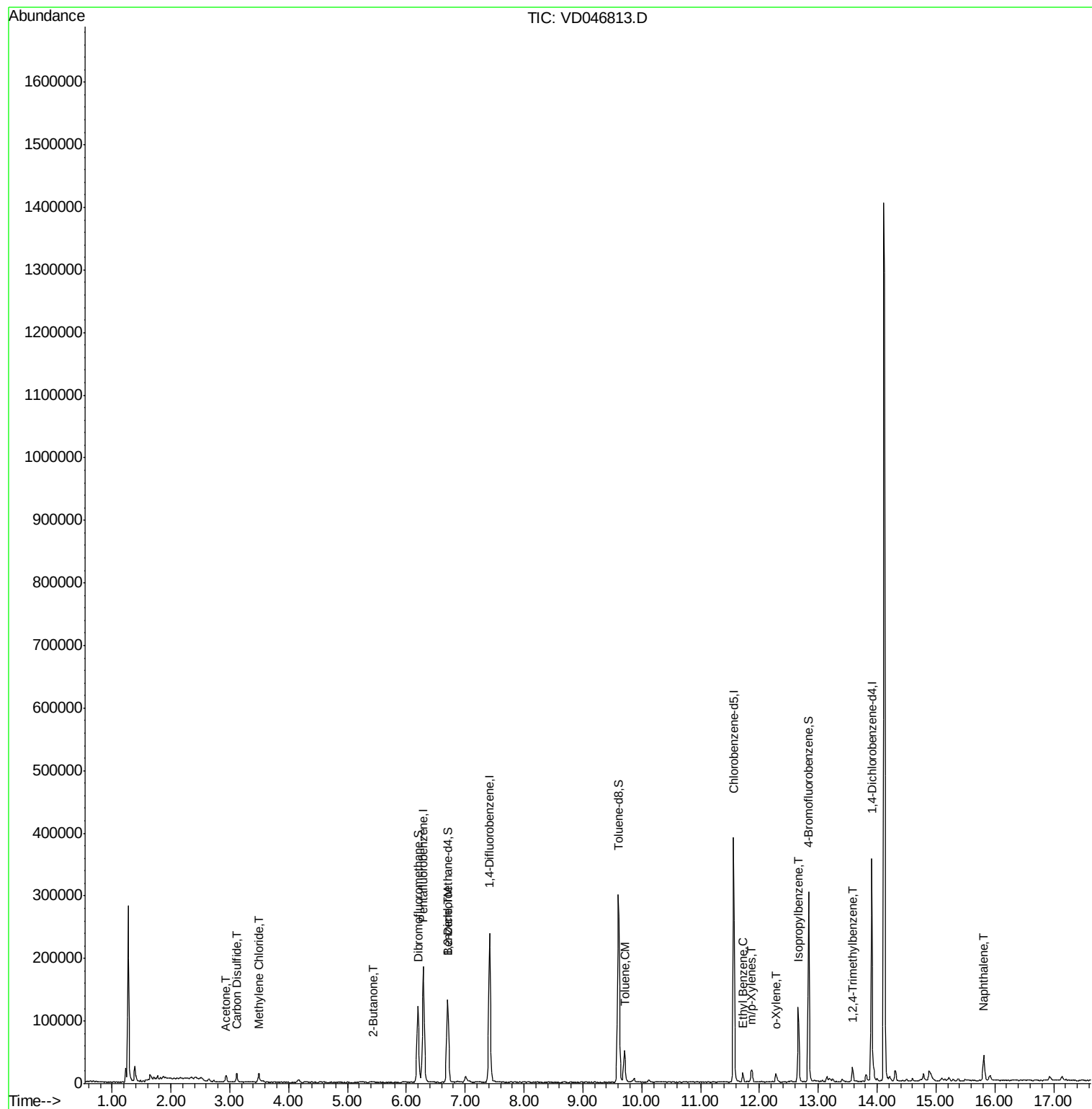
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Acetone	2.94	43	12577	50.33	ug/l	97
18) Carbon Disulfide	3.11	76	18831	4.41	ug/l	96
21) Methylene Chloride	3.50	84	6713	4.95	ug/l #	81
26) 2-Butanone	5.44	43	2799	9.97	ug/l	95
40) Benzene	6.70	78	39260	6.51	ug/l	99
52) Toluene	9.71	92	25907	6.96	ug/l	86
67) Ethyl Benzene	11.72	91	9203	1.16	ug/l	95
68) m/p-Xylenes	11.87	106	5837	2.34	ug/l	92
69) o-Xylene	12.28	106	2949	1.31	ug/l	84
73) Isopropylbenzene	12.66	105	64221	10.09	ug/l	95
84) 1,2,4-Trimethylbenzene	13.58	105	12413	2.43	ug/l	90
95) Naphthalene	15.81	128	36997	20.81	ug/l	99

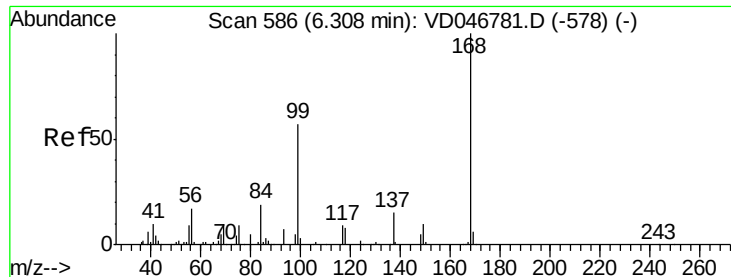
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 18 15:47:18 2015
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 584

Delta R.T. -0.02 min

Lab File: VD046813.D

Acq: 21 Sep 2015 17:59

Instrument :

MSVOA_D

ClientSampleId :

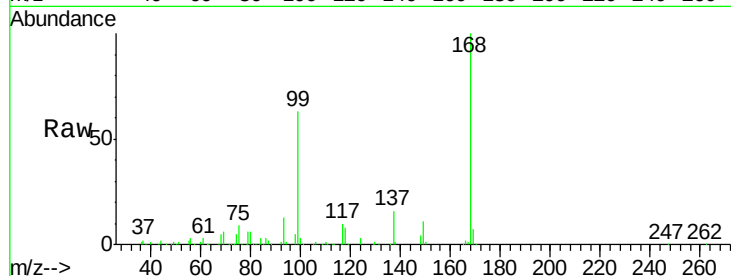
MGP202-42-44

Tot Ion:168 Resp: 142232

Ion Ratio Lower Upper

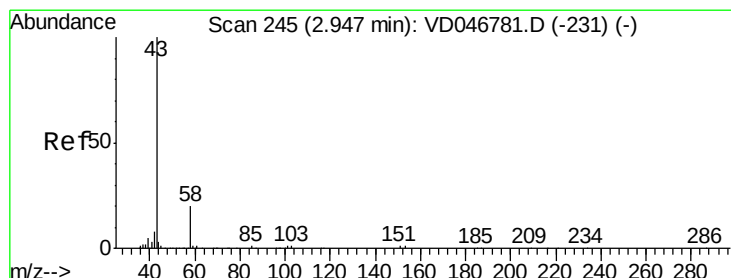
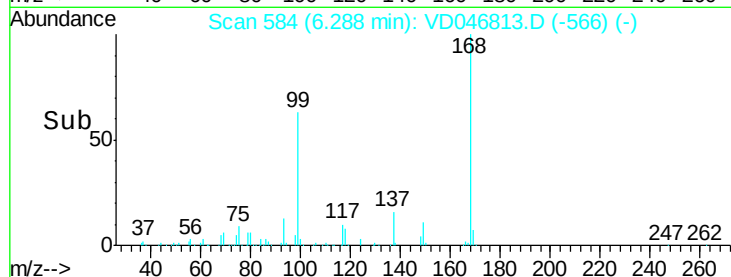
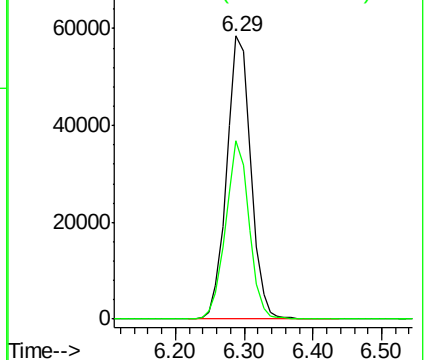
168 100

99 63.1 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#17

Acetone

Concen: 50.33 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD046813.D

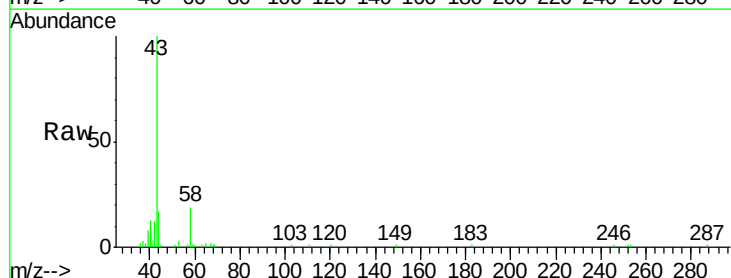
Acq: 21 Sep 2015 17:59

Tgt Ion: 43 Resp: 12577

Ion Ratio Lower Upper

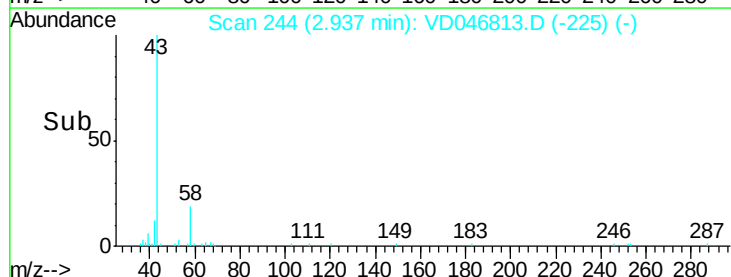
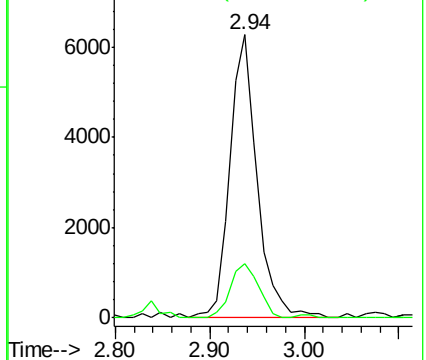
43 100

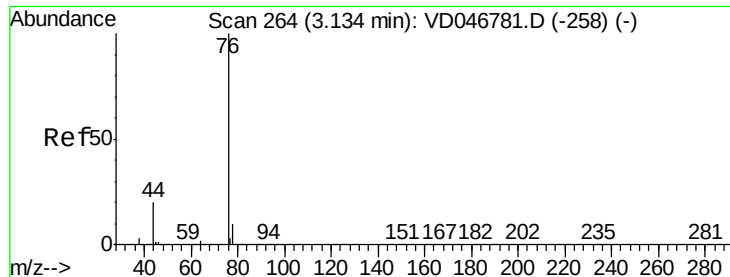
58 19.3 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#18

Carbon Disulfide

Concen: 4.41 ug/l

RT: 3.11 min Scan# 262

Delta R.T. -0.02 min

Lab File: VD046813.D

Acq: 21 Sep 2015 17:59

Instrument :

MSVOA_D

ClientSampleId :

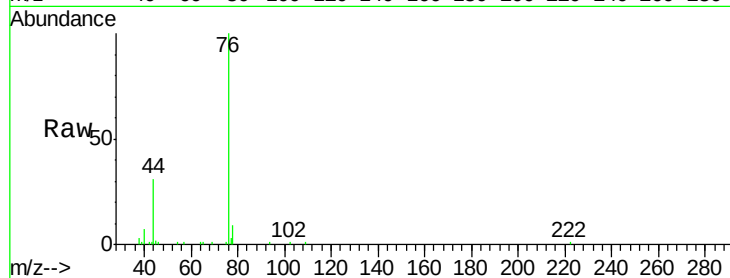
MGP202-42-44

Tot Ion: 76 Resp: 18831

Ion Ratio Lower Upper

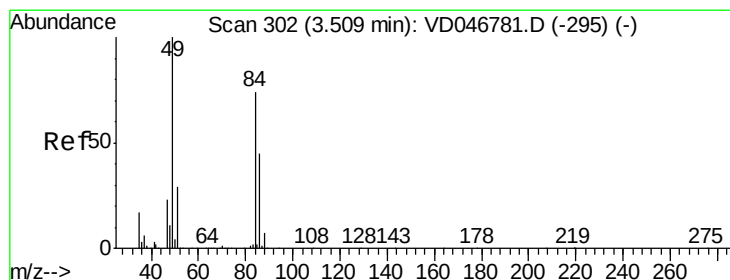
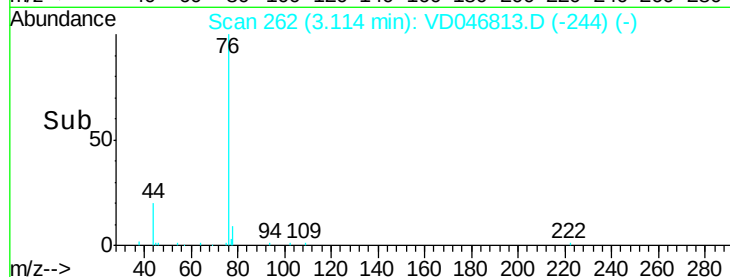
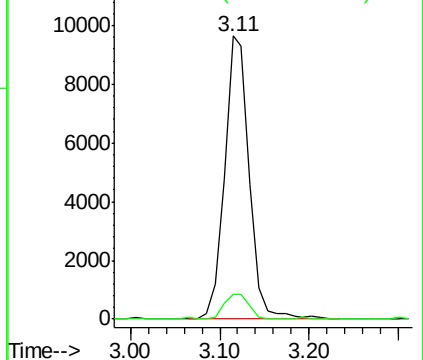
76 100

78 8.6 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#21

Methylene Chloride

Concen: 4.95 ug/l

RT: 3.50 min Scan# 301

Delta R.T. -0.01 min

Lab File: VD046813.D

Acq: 21 Sep 2015 17:59

Tgt Ion: 84 Resp: 6713

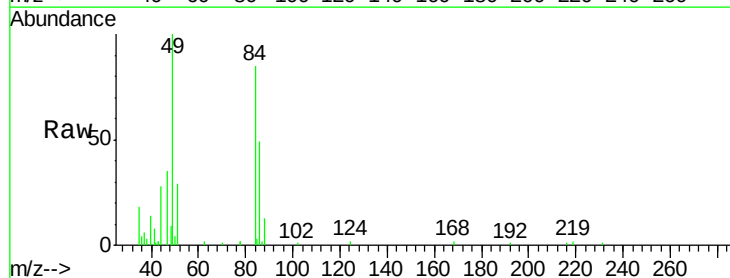
Ion Ratio Lower Upper

84 100

49 118.1 122.1 183.1#

51 34.8 33.6 50.4

86 57.3 48.3 72.5

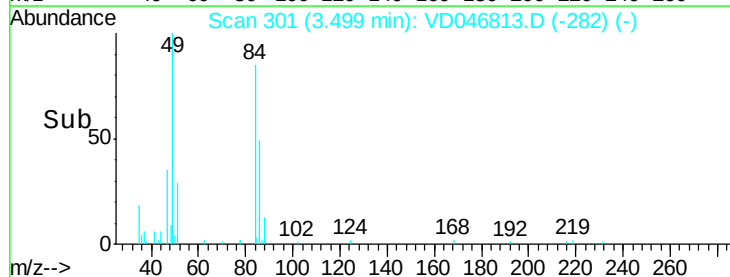
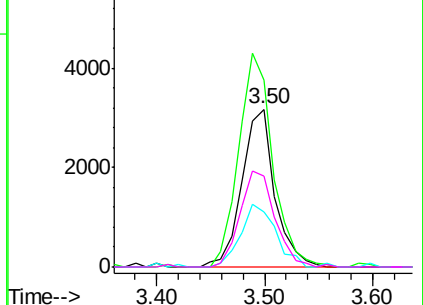


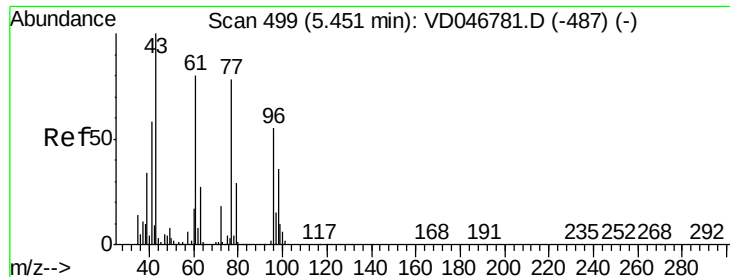
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#26

2-Butanone

Concen: 9.97 ug/l

RT: 5.44 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD046813.D

Acq: 21 Sep 2015 17:59

Instrument :

MSVOA_D

ClientSampleId :

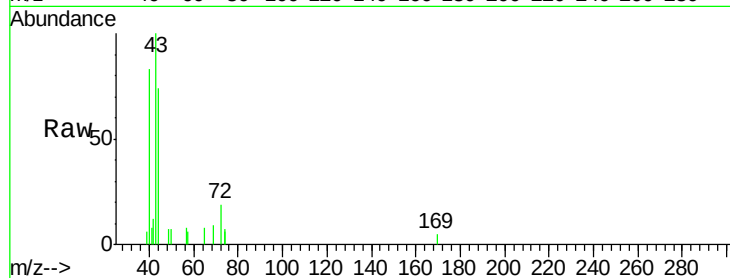
MGP202-42-44

Tot Ion: 43 Resp: 2799

Ion Ratio Lower Upper

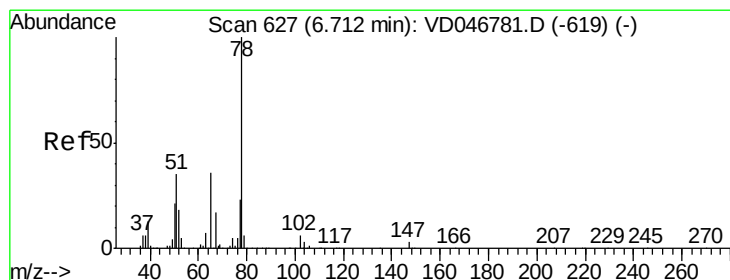
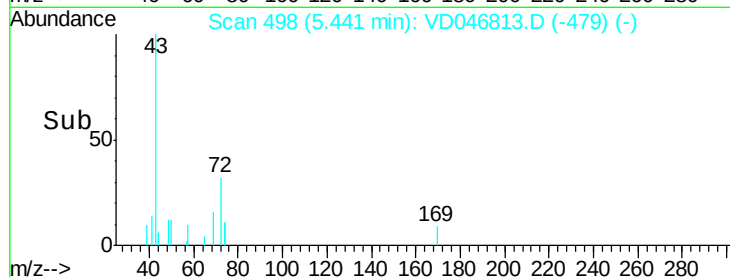
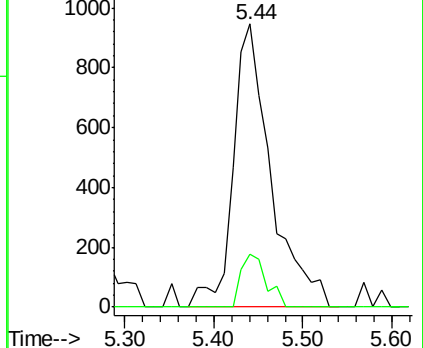
43 100

72 18.7 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.70 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD046813.D

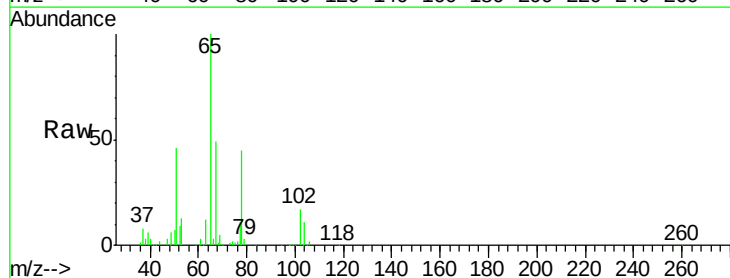
Acq: 21 Sep 2015 17:59

Tgt Ion: 65 Resp: 89638

Ion Ratio Lower Upper

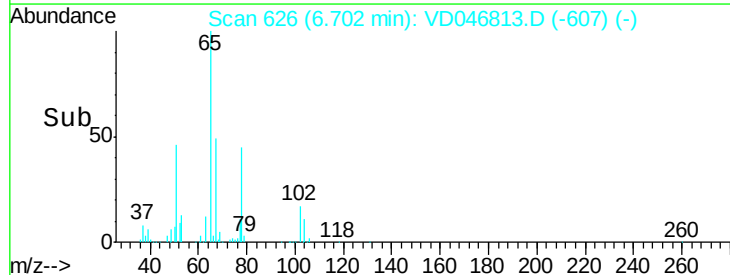
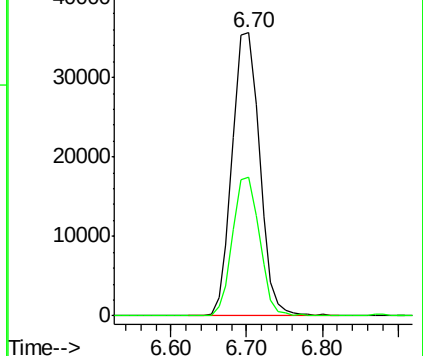
65 100

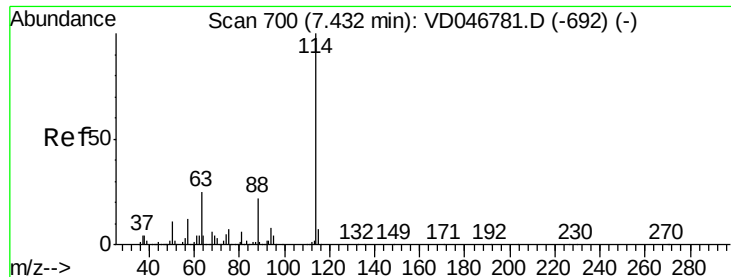
67 49.1 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.41 min Scan# 698

Delta R.T. -0.02 min

Lab File: VD046813.D

Acq: 21 Sep 2015 17:59

Instrument :

MSVOA_D

ClientSampleId :

MGP202-42-44

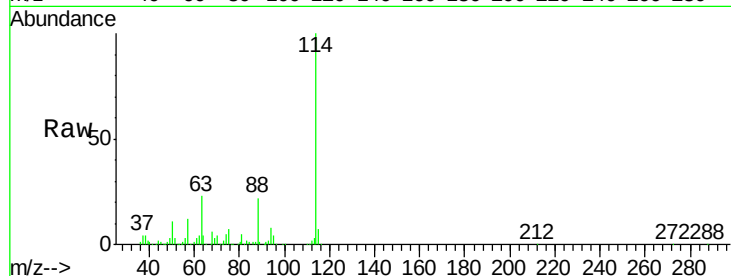
Tot Ion:114 Resp: 202268

Ion Ratio Lower Upper

114 100

63 22.8 0.0 49.8

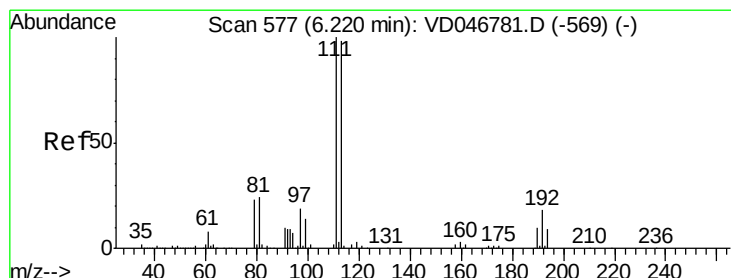
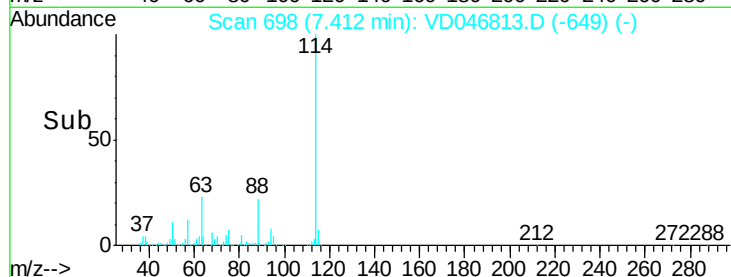
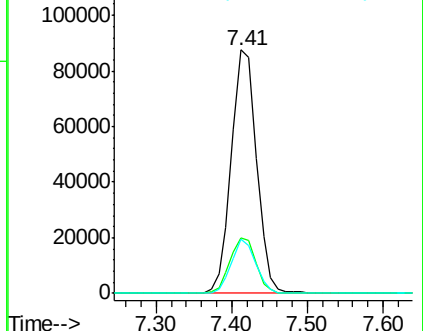
88 22.4 0.0 43.6



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: VD046813.D

Acq: 21 Sep 2015 17:59

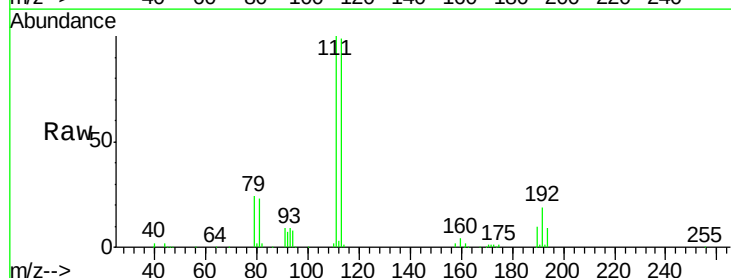
Tgt Ion:113 Resp: 86962

Ion Ratio Lower Upper

113 100

111 100.8 79.4 119.0

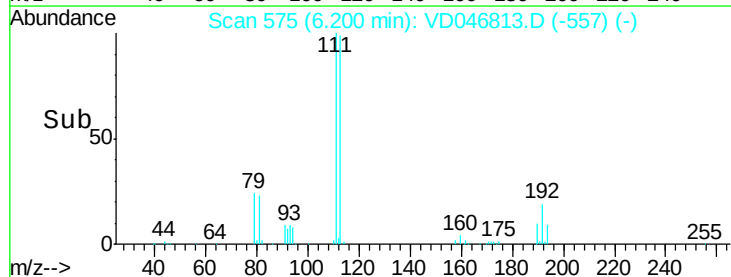
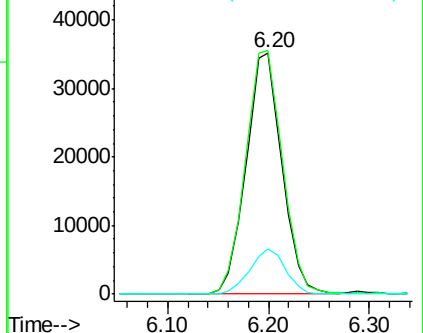
192 18.9 14.6 22.0

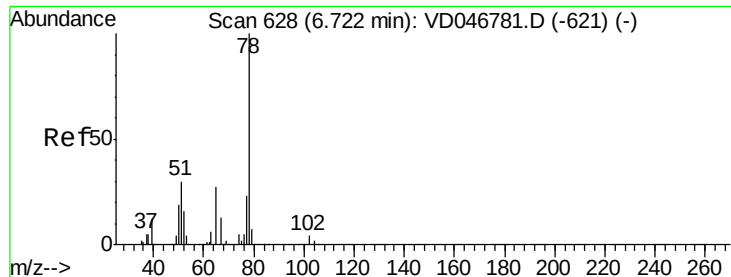


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#40

Benzene

Concen: 6.51 ug/l

RT: 6.70 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD046813.D

Acq: 21 Sep 2015 17:59

Instrument :

MSVOA_D

ClientSampleId :

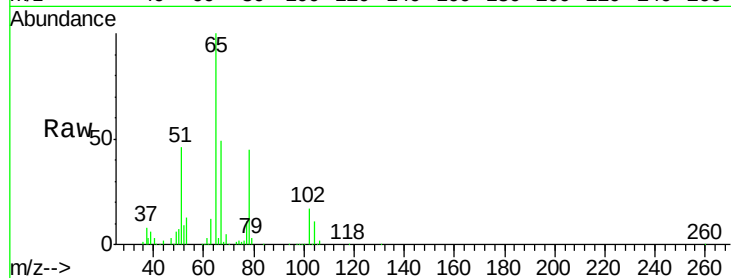
MGP202-42-44

Tot Ion: 78 Resp: 39260

Ion Ratio Lower Upper

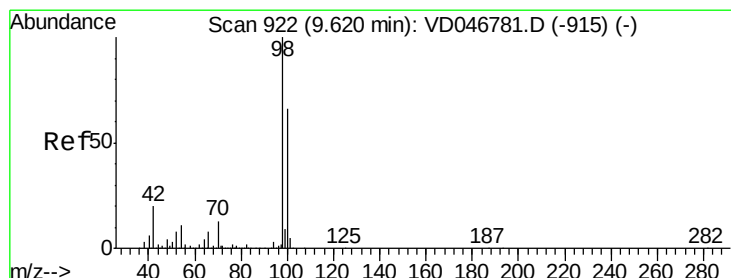
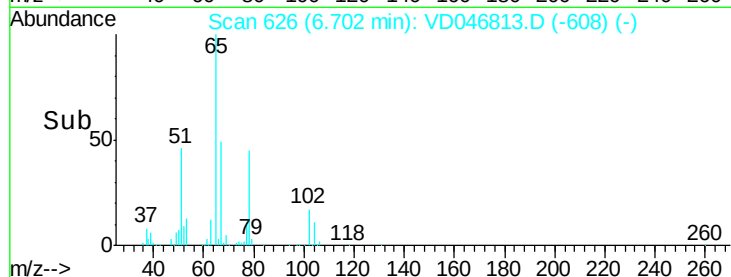
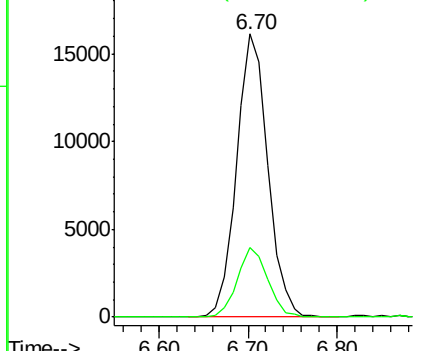
78 100

77 24.5 19.9 29.9



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: VD046813.D

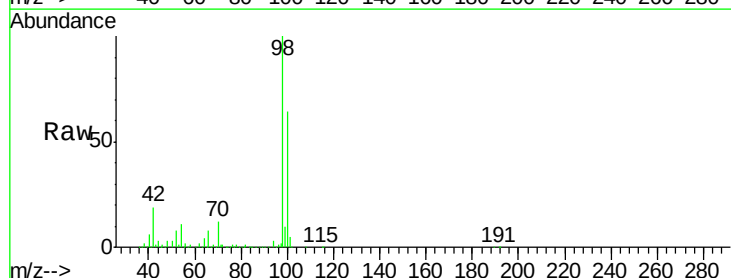
Acq: 21 Sep 2015 17:59

Tgt Ion: 98 Resp: 235119

Ion Ratio Lower Upper

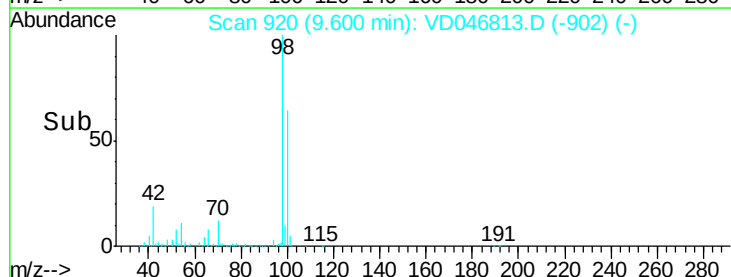
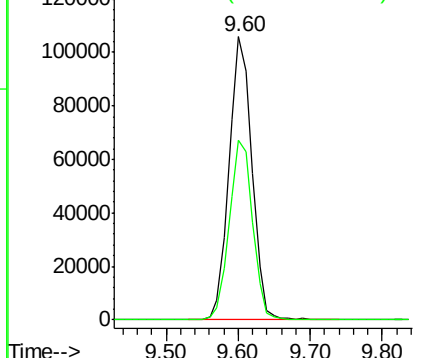
98 100

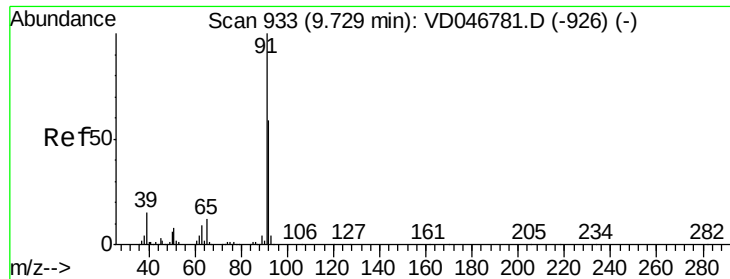
100 63.6 49.9 74.9



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 6.96 ug/l

RT: 9.71 min Scan# 931

Delta R.T. -0.02 min

Lab File: VD046813.D

Acq: 21 Sep 2015 17:59

Instrument :

MSVOA_D

ClientSampleId :

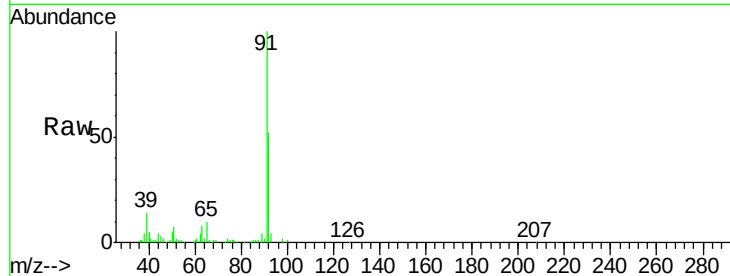
MGP202-42-44

Tot Ion: 92 Resp: 25907

Ion Ratio Lower Upper

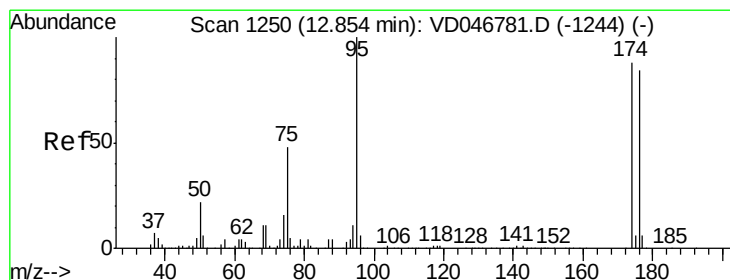
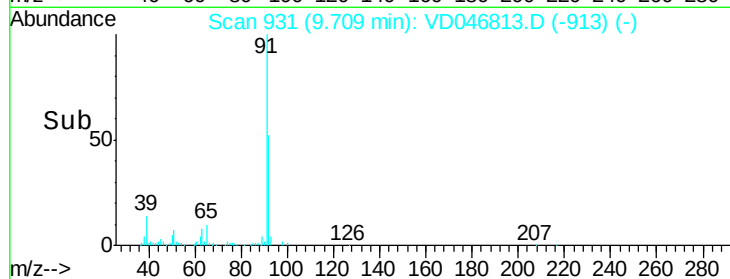
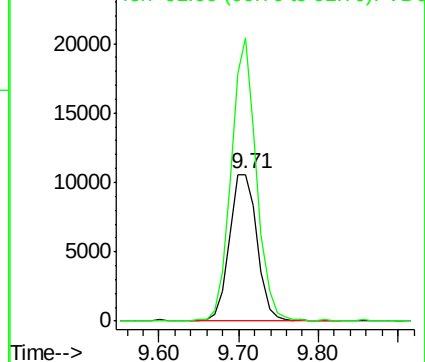
92 100

91 193.2 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.83 min Scan# 1248

Delta R.T. -0.02 min

Lab File: VD046813.D

Acq: 21 Sep 2015 17:59

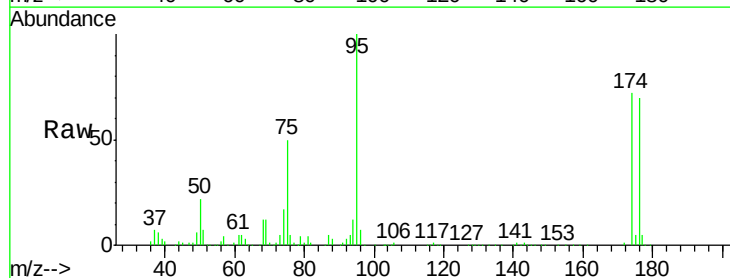
Tgt Ion: 95 Resp: 103114

Ion Ratio Lower Upper

95 100

174 72.5 0.0 149.8

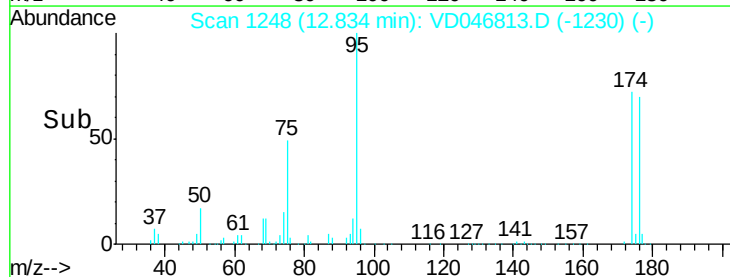
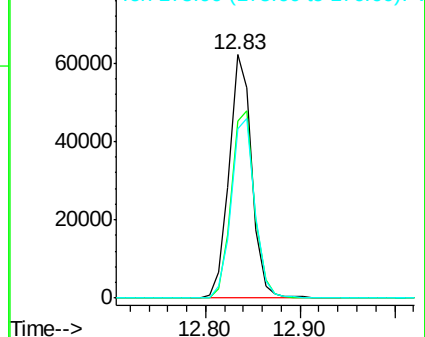
176 69.6 0.0 143.4

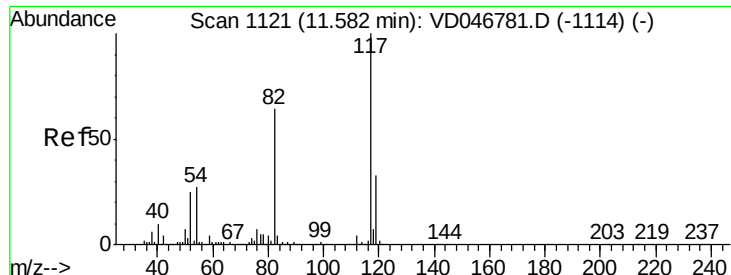


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

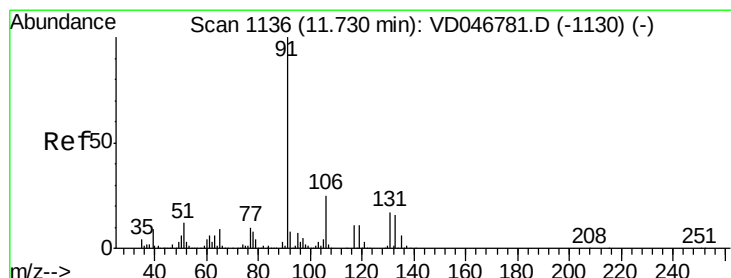
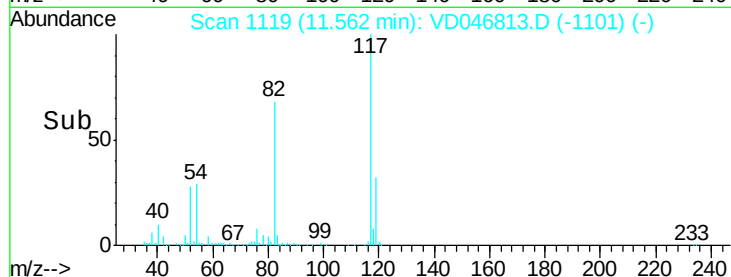
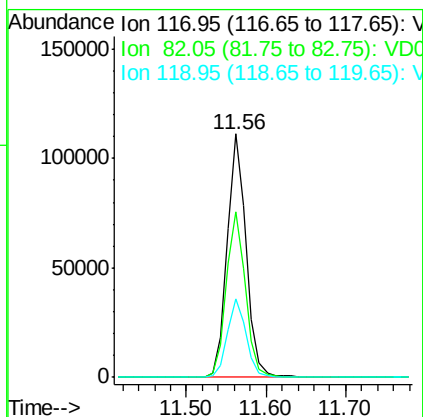
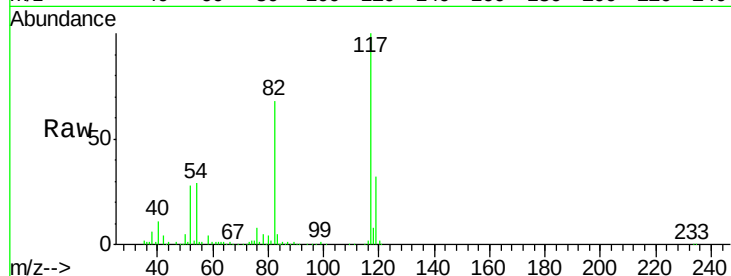




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.56 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VD046813.D
Acq: 21 Sep 2015 17:59

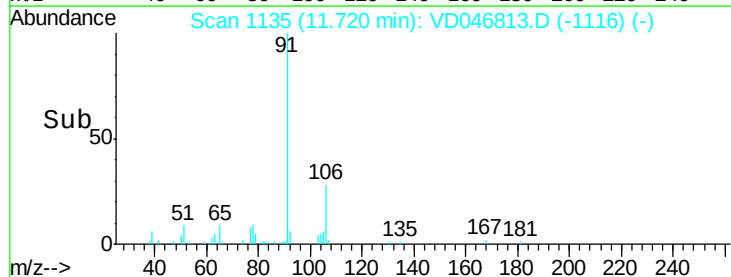
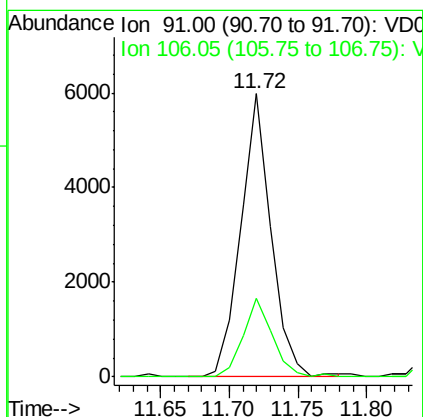
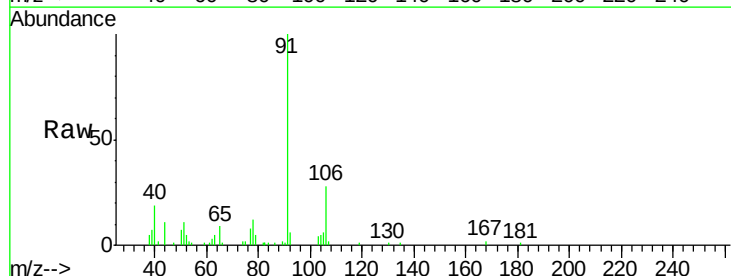
Instrument :
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MGP202-42-44

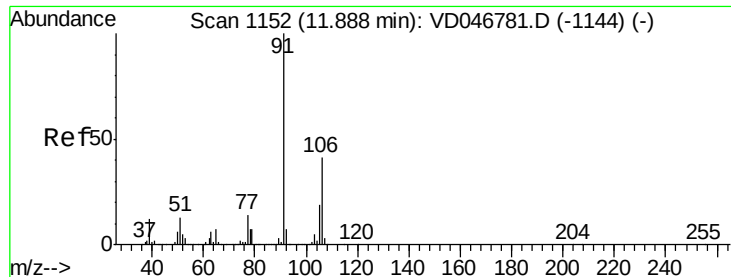
Tot Ion	Ratio	Lower	Upper
117	100		
82	68.1	50.6	75.8
119	32.1	25.8	38.8



#67
Ethyl Benzene
Concen: 1.16 ug/l
RT: 11.72 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD046813.D
Acq: 21 Sep 2015 17:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.7	20.2	30.2

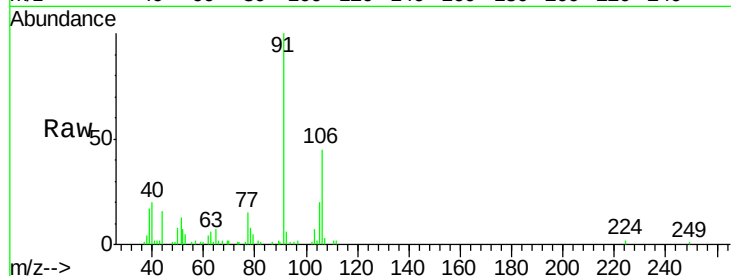




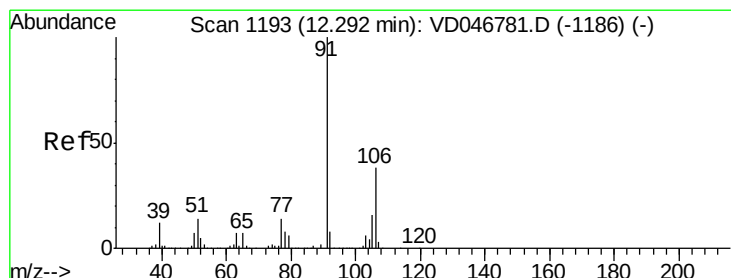
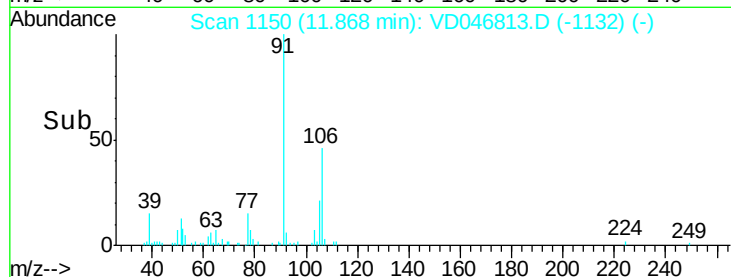
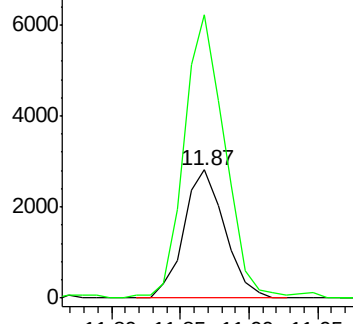
#68
m/p-Xylenes
Concen: 2.34 ug/l
RT: 11.87 min Scan# 1150
Delta R.T. -0.02 min
Lab File: VD046813.D
Acq: 21 Sep 2015 17:59

Instrument :
MSVOA_D
ClientSampleId :
MGP202-42-44

Tot Ion:106 Resp: 5837
Ion Ratio Lower Upper
106 100
91 221.0 187.9 281.9

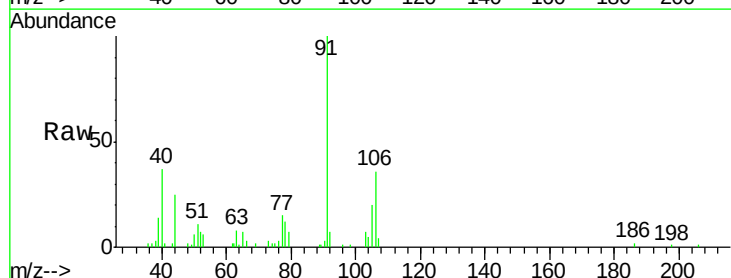


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

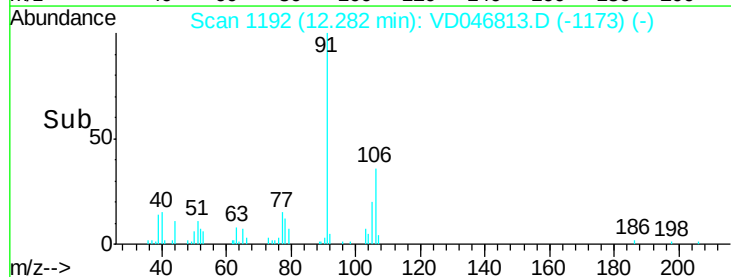
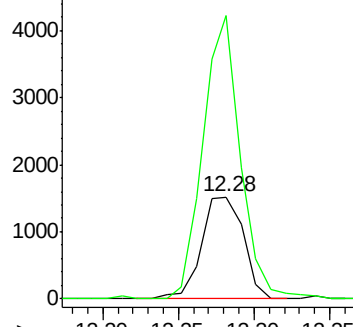


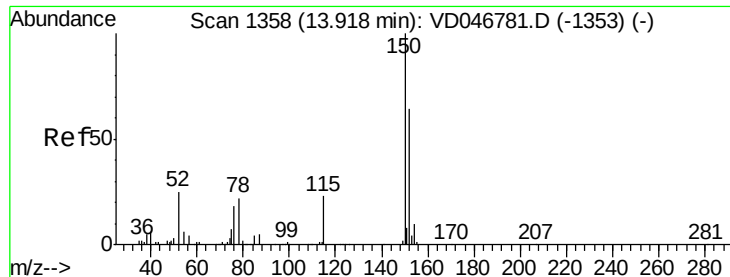
#69
o-Xylene
Concen: 1.31 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD046813.D
Acq: 21 Sep 2015 17:59

Tgt Ion:106 Resp: 2949
Ion Ratio Lower Upper
106 100
91 277.8 124.8 374.5



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.91 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD046813.D

Acq: 21 Sep 2015 17:59

Instrument :

MSVOA_D

ClientSampleId :

MGP202-42-44

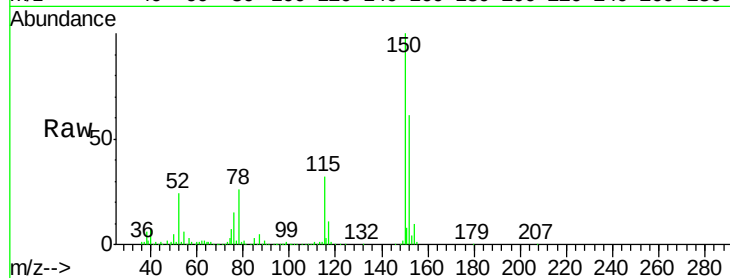
Tot Ion:152 Resp: 90286

Ion Ratio Lower Upper

152 100

115 52.5 26.2 78.6

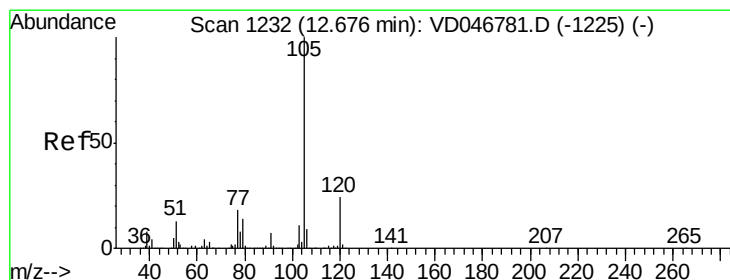
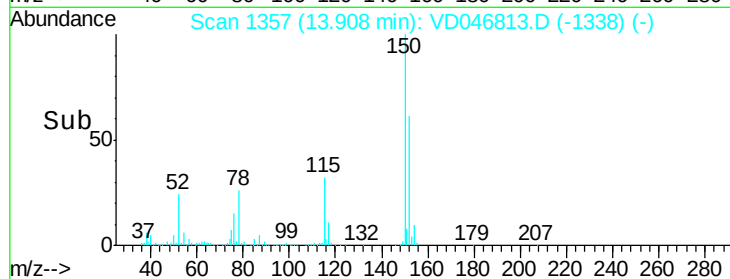
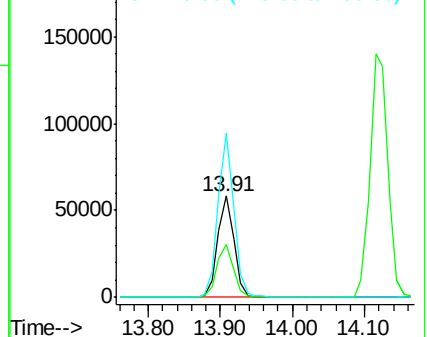
150 163.0 0.0 311.8



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: 10.09 ug/l

RT: 12.66 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD046813.D

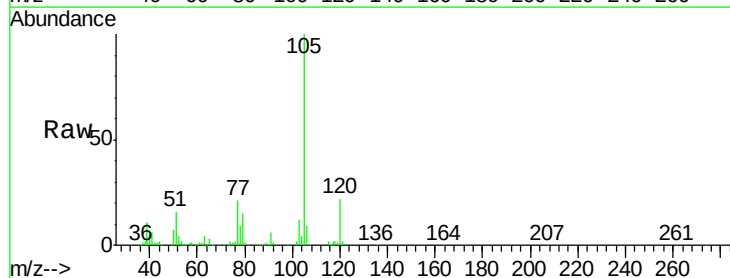
Acq: 21 Sep 2015 17:59

Tgt Ion:105 Resp: 64221

Ion Ratio Lower Upper

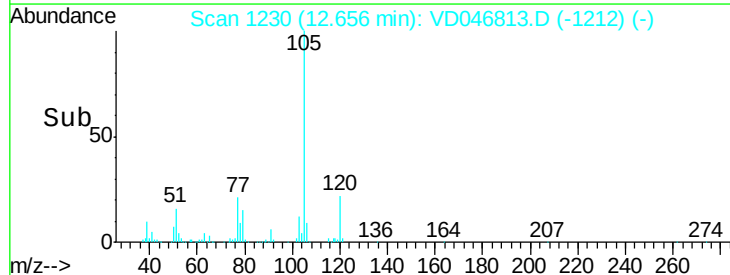
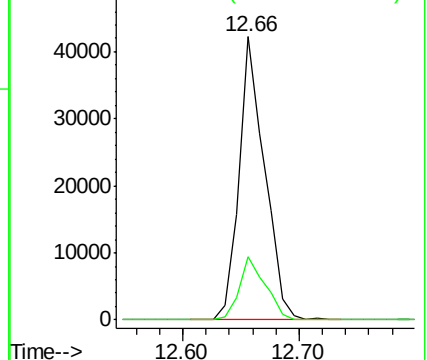
105 100

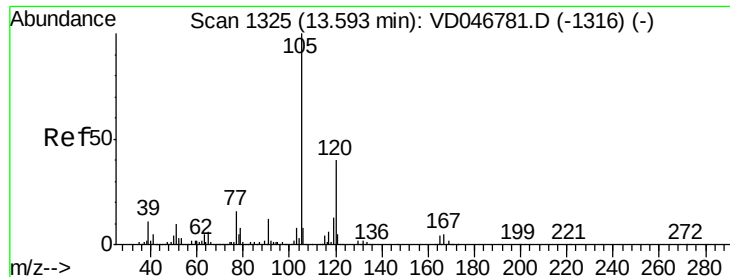
120 22.4 12.4 37.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

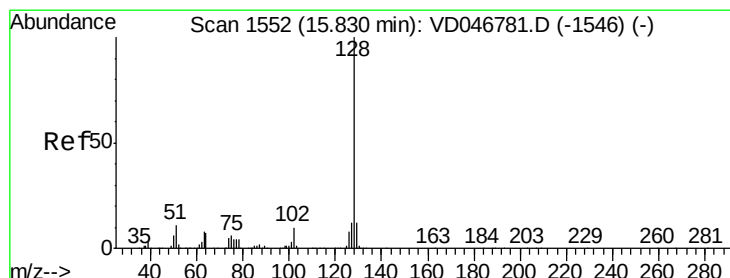
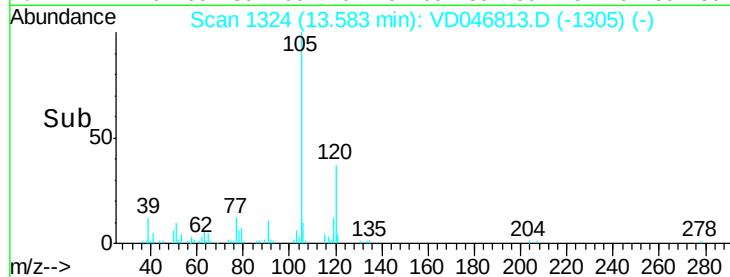
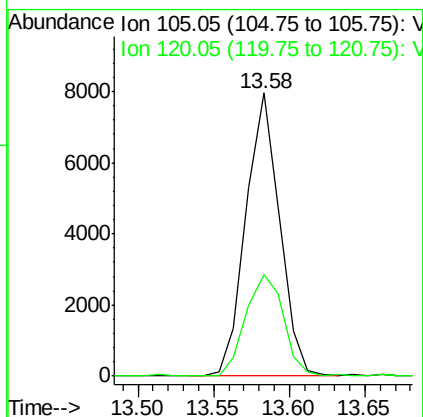
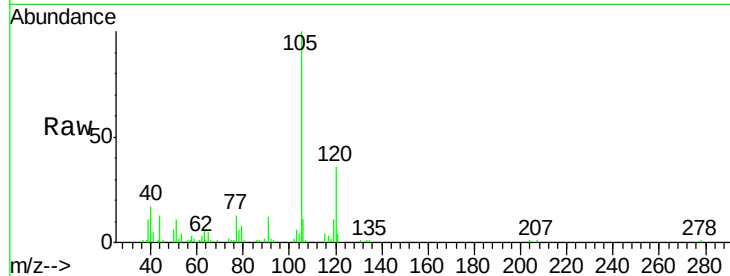




#84
 1,2,4-Trimethylbenzene
 Concen: 2.43 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD046813.D
 Acq: 21 Sep 2015 17:59

Instrument :
 MSVOA_D
 ClientSampleId :
 MGP202-42-44

Tot Ion:105 Resp: 12413
 Ion Ratio Lower Upper
 105 100
 120 36.0 21.1 63.1



#95
 Naphthalene
 Concen: 20.81 ug/l
 RT: 15.81 min Scan# 1550
 Delta R.T. -0.02 min
 Lab File: VD046813.D
 Acq: 21 Sep 2015 17:59

Tgt Ion:128 Resp: 36997
 Ion Ratio Lower Upper
 128 100
 127 11.7 9.8 14.6
 129 10.4 8.6 12.8

