

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046811.D
 Acq On : 21 Sep 2015 17:04
 Operator : FY/SY
 Sample : G3748-01
 Misc : 8.44qm/5mL/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MGP202-30-32

Quant Time: Sep 22 02:15:48 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	129265	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	190246	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	169801	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.90	152	79649	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.70	65	84980	63.23	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	126.46%	
35) Dibromofluoromethane	6.19	113	83370	56.01	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	112.02%	
50) Toluene-d8	9.60	98	219291	46.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.84	95	88362	46.73	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds

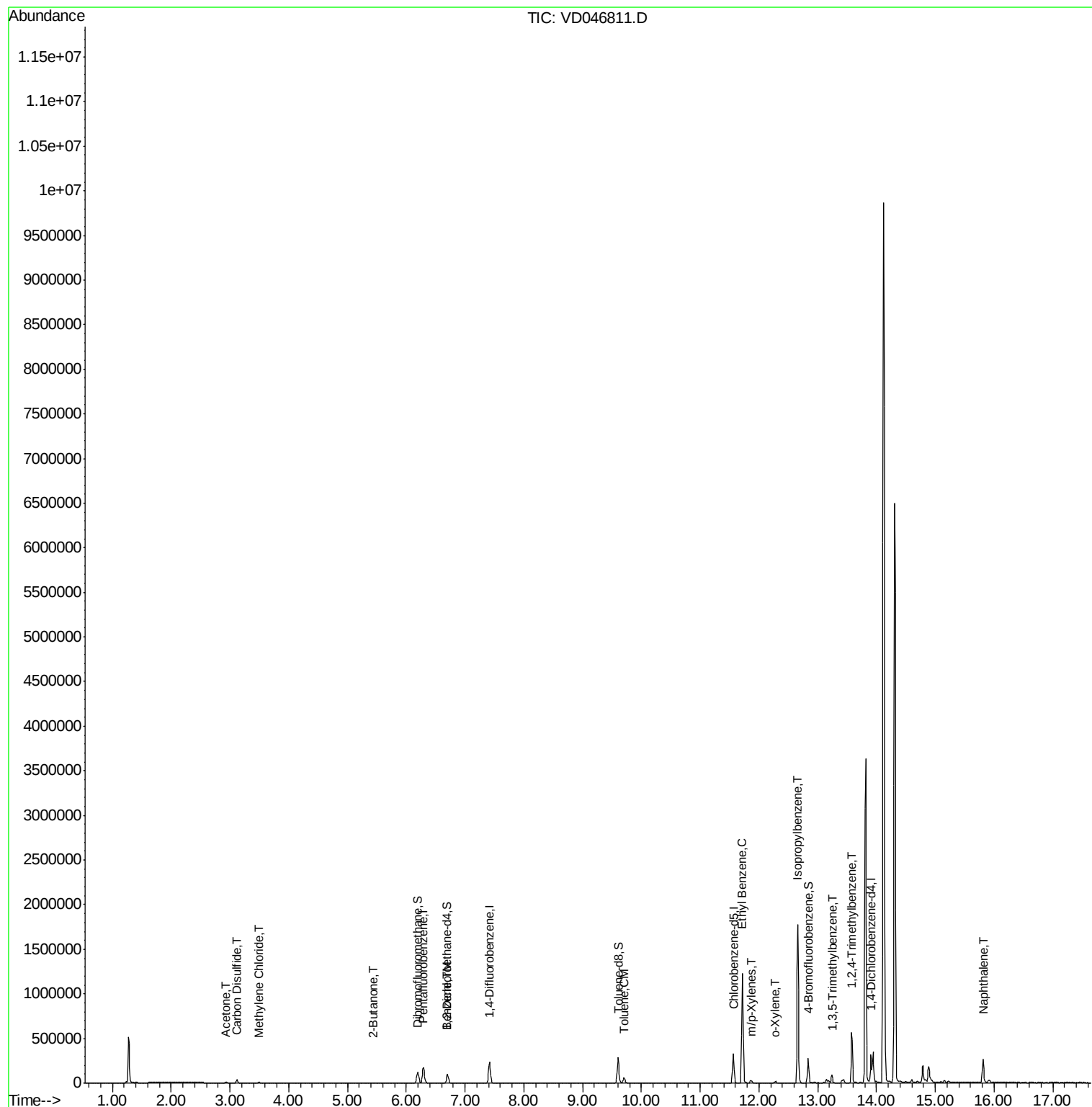
						Qvalue
17) Acetone	2.93	43	16403	72.23	ug/l	99
18) Carbon Disulfide	3.12	76	44894	11.57	ug/l	100
21) Methylene Chloride	3.49	84	2810	2.28	ug/l #	93
26) 2-Butanone	5.45	43	3416	13.38	ug/l #	80
40) Benzene	6.71	78	10503	1.85	ug/l	96
52) Toluene	9.70	92	30835	8.81	ug/l	99
67) Ethyl Benzene	11.71	91	948107	132.04	ug/l	98
68) m/p-Xylenes	11.86	106	7248	3.20	ug/l	73
69) o-Xylene	12.28	106	3973	1.95	ug/l	96
73) Isopropylbenzene	12.66	105	1034416	184.23	ug/l	98
80) 1,3,5-Trimethylbenzene	13.24	105	43022	9.62	ug/l	99
84) 1,2,4-Trimethylbenzene	13.58	105	292514	64.95	ug/l	97
95) Naphthalene	15.81	128	238882	137.27	ug/l	100

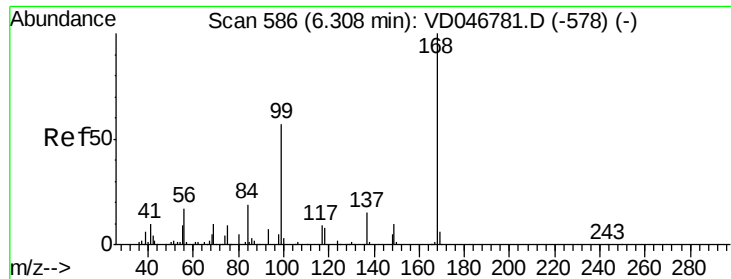
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046811.D

Acq: 21 Sep 2015 17:04

Instrument :

MSVOA_D

ClientSampleId :

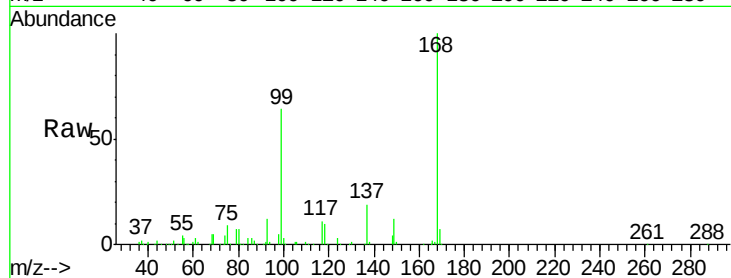
MGP202-30-32

Tot Ion:168 Resp: 129265

Ion Ratio Lower Upper

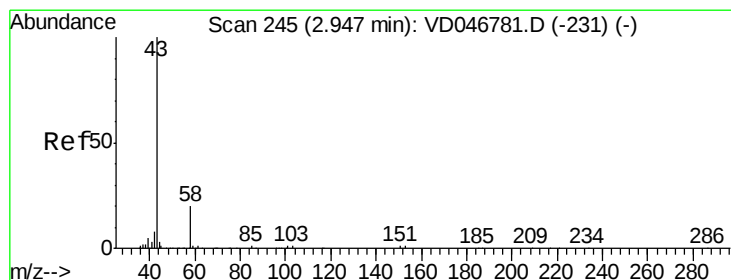
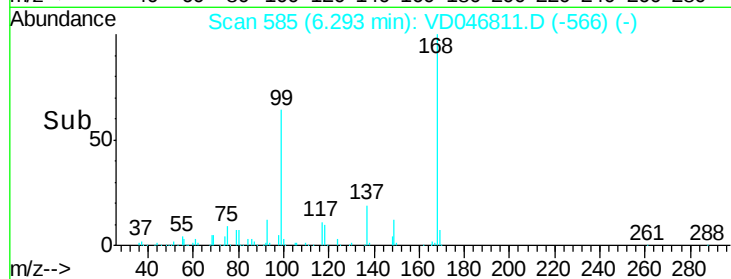
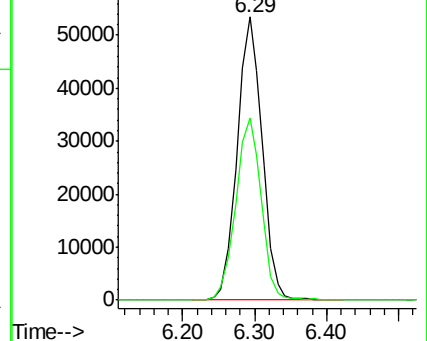
168 100

99 64.5 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: 72.23 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VD046811.D

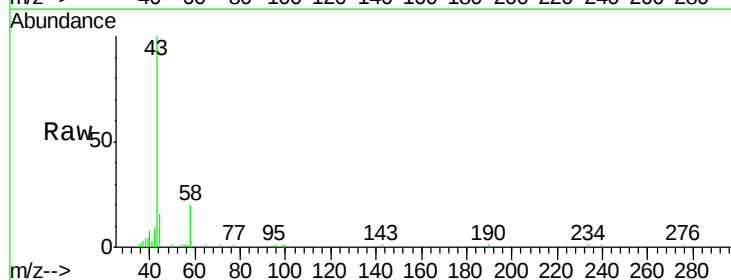
Acq: 21 Sep 2015 17:04

Tgt Ion: 43 Resp: 16403

Ion Ratio Lower Upper

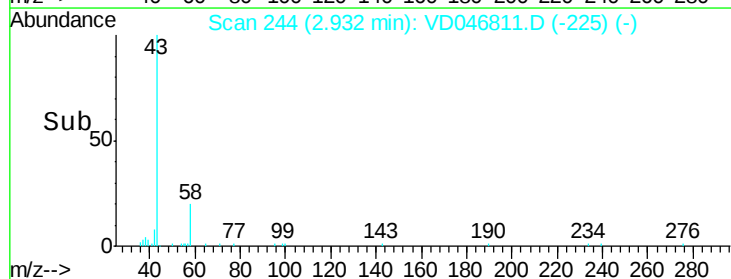
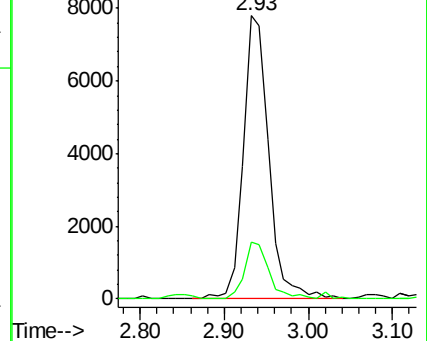
43 100

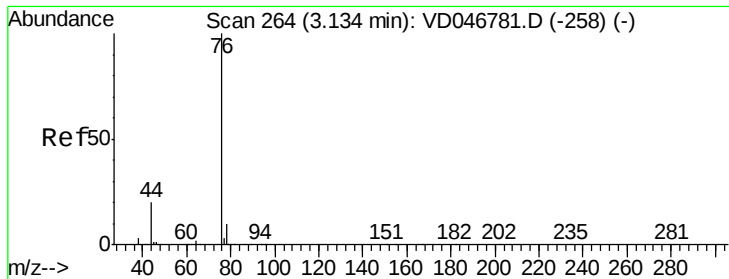
58 20.1 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#18

Carbon Disulfide

Concen: 11.57 ug/l

RT: 3.12 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD046811.D

Acq: 21 Sep 2015 17:04

Instrument :

MSVOA_D

ClientSampleId :

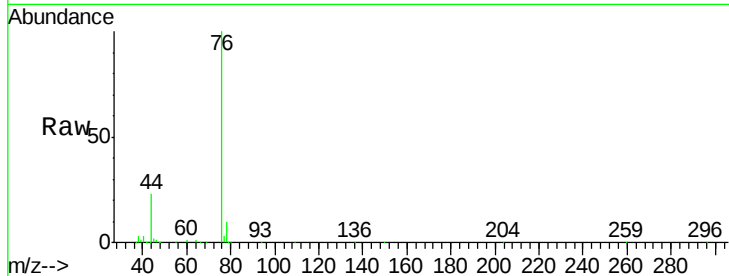
MGP202-30-32

Tot Ion: 76 Resp: 44894

Ion Ratio Lower Upper

76 100

78 10.0 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.12

25000

20000

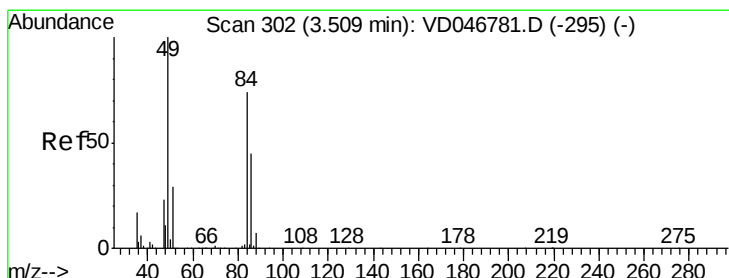
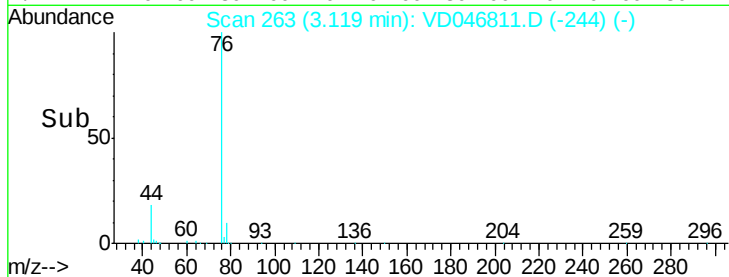
15000

10000

5000

0

Time-->



#21

Methylene Chloride

Concen: 2.28 ug/l

RT: 3.49 min Scan# 301

Delta R.T. -0.02 min

Lab File: VD046811.D

Acq: 21 Sep 2015 17:04

Tgt Ion: 84 Resp: 2810

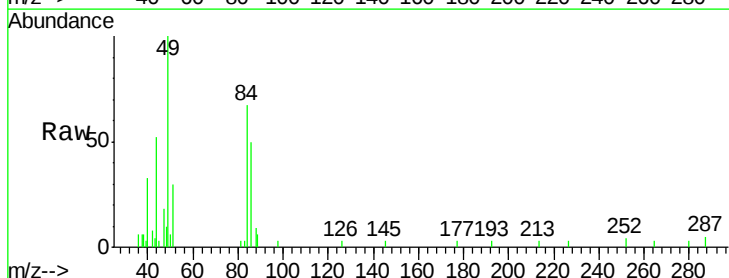
Ion Ratio Lower Upper

84 100

49 149.6 122.1 183.1

51 45.6 33.6 50.4

86 75.5 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

2500

2000

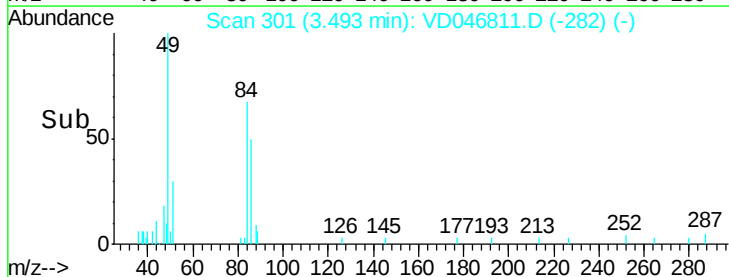
1500

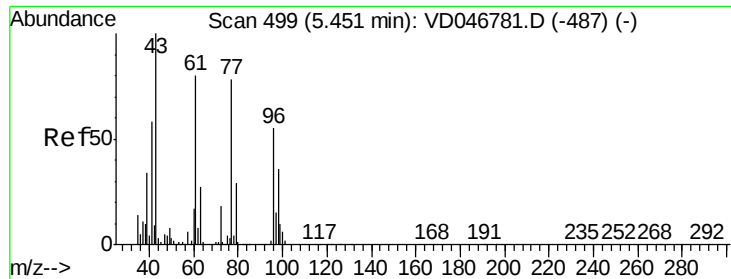
1000

500

0

Time-->

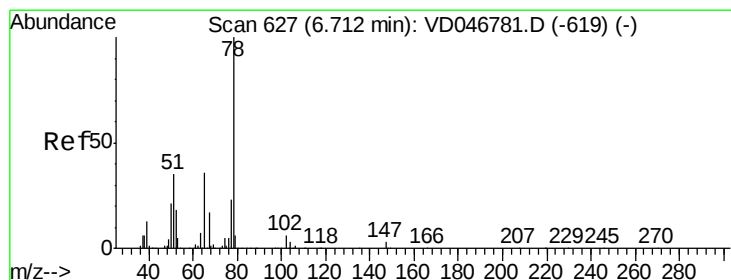
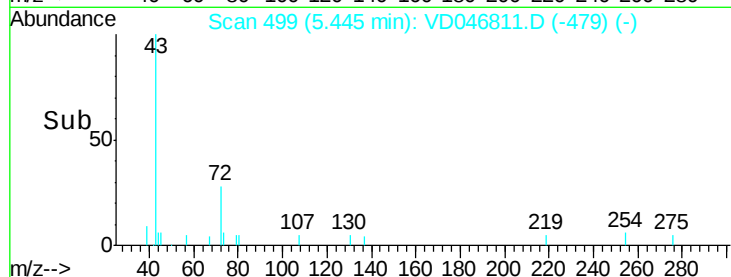
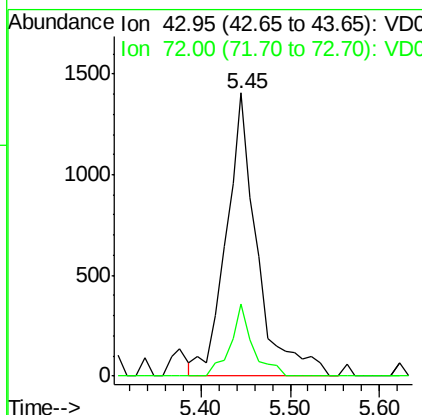
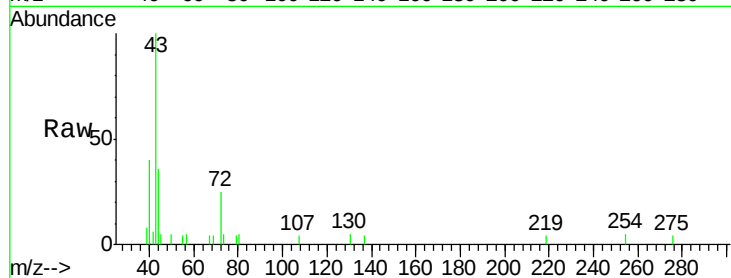




#26
2-Butanone
Concen: 13.38 ug/l
RT: 5.45 min Scan# 499
Delta R.T. -0.01 min
Lab File: VD046811.D
Acq: 21 Sep 2015 17:04

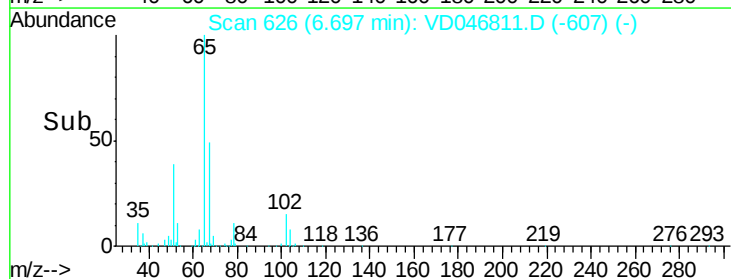
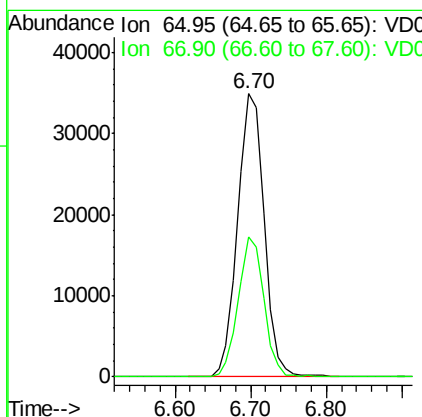
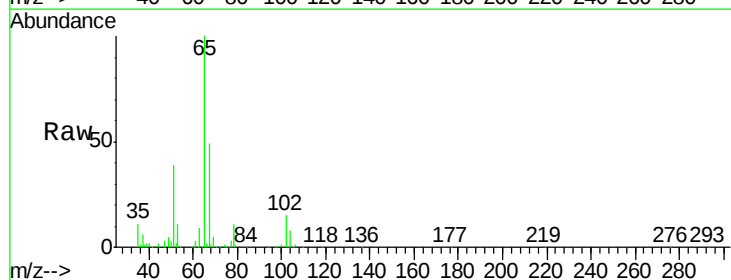
Instrument :
MSVOA_D
ClientSampleId :
MGP202-30-32

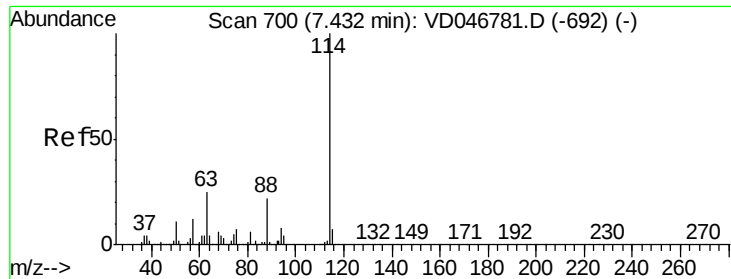
Tot Ion: 43 Resp: 3416
Ion Ratio Lower Upper
43 100
72 25.3 13.4 20.0#



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.70 min Scan# 626
Delta R.T. -0.02 min
Lab File: VD046811.D
Acq: 21 Sep 2015 17:04

Tgt Ion: 65 Resp: 84980
Ion Ratio Lower Upper
65 100
67 49.5 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.02 min

Lab File: VD046811.D

Acq: 21 Sep 2015 17:04

Instrument :

MSVOA_D

ClientSampleId :

MGP202-30-32

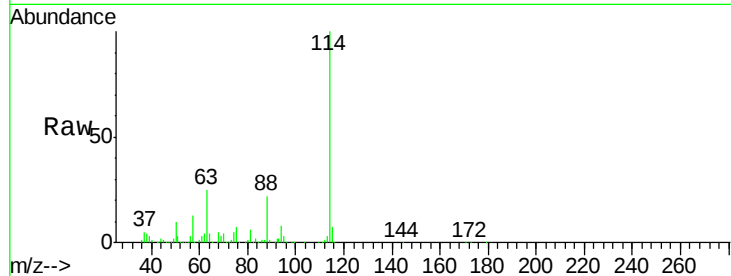
Tot Ion:114 Resp: 190246

Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.8

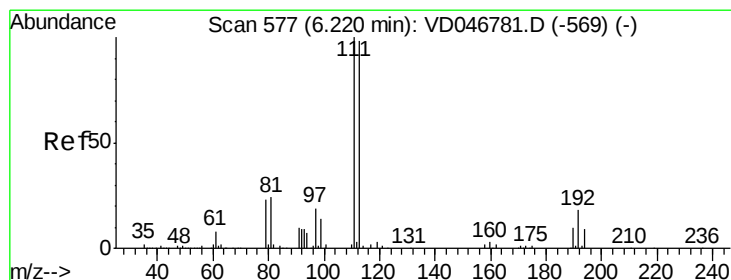
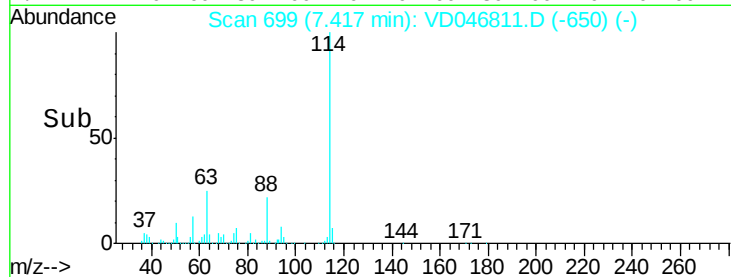
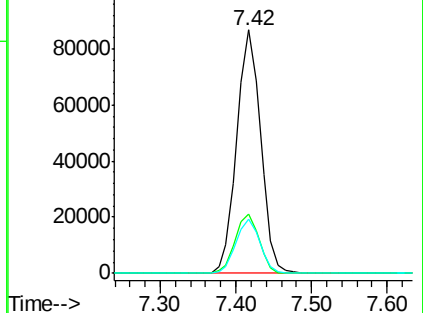
88 22.0 0.0 43.6



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: 6.19 min Scan# 575

Delta R.T. -0.03 min

Lab File: VD046811.D

Acq: 21 Sep 2015 17:04

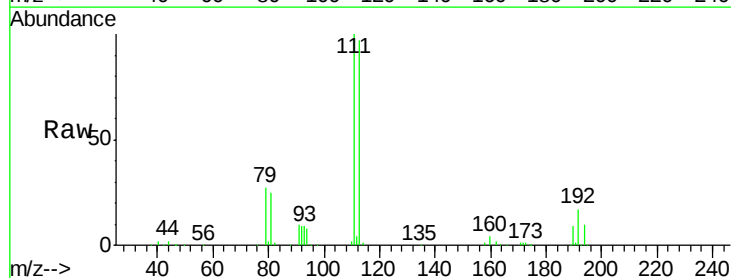
Tgt Ion:113 Resp: 83370

Ion Ratio Lower Upper

113 100

111 103.0 79.4 119.0

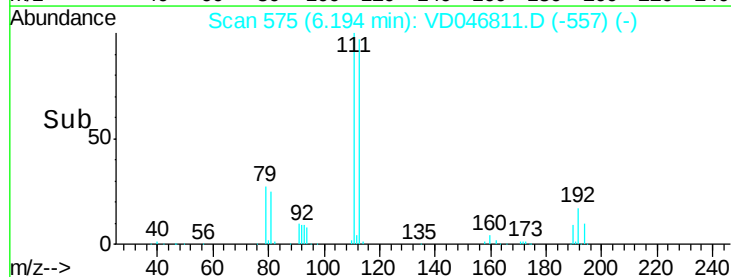
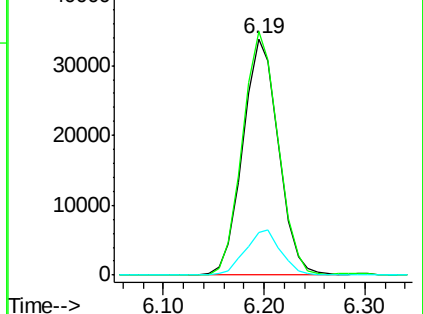
192 17.9 14.6 22.0

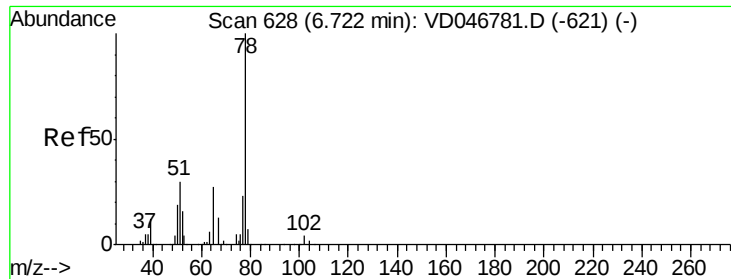


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#40

Benzene

Concen: 1.85 ug/l

RT: 6.71 min Scan# 627

Delta R.T. -0.02 min

Lab File: VD046811.D

Acq: 21 Sep 2015 17:04

Instrument :

MSVOA_D

ClientSampleId :

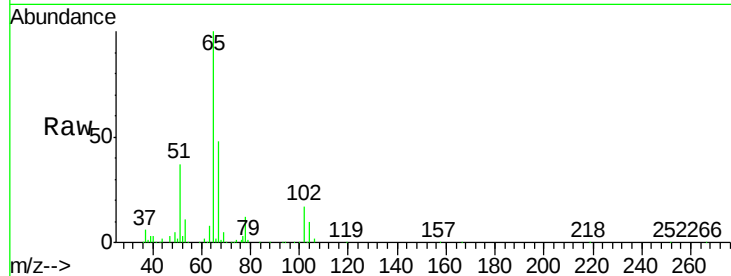
MGP202-30-32

Tot Ion: 78 Resp: 10503

Ion Ratio Lower Upper

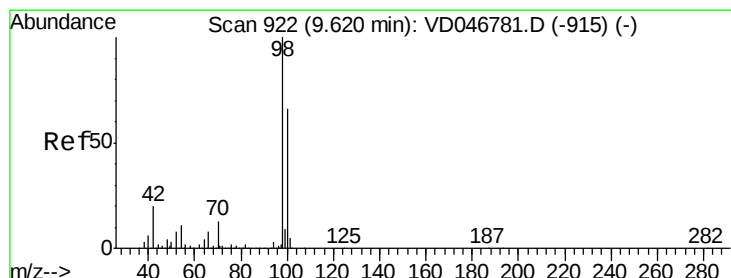
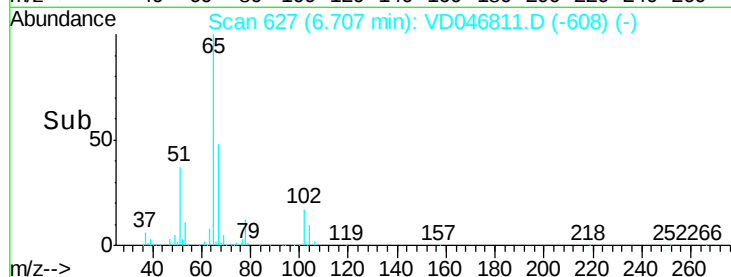
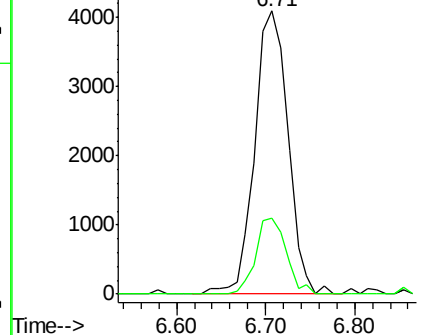
78 100

77 26.7 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# 921

Delta R.T. -0.02 min

Lab File: VD046811.D

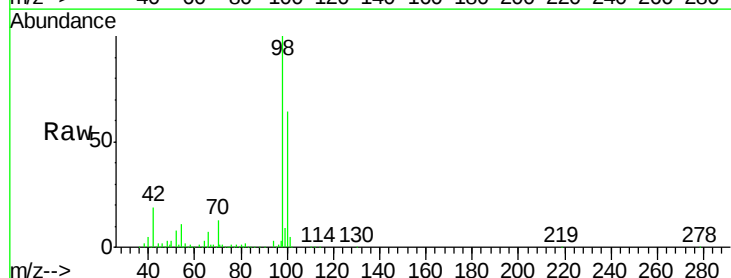
Acq: 21 Sep 2015 17:04

Tgt Ion: 98 Resp: 219291

Ion Ratio Lower Upper

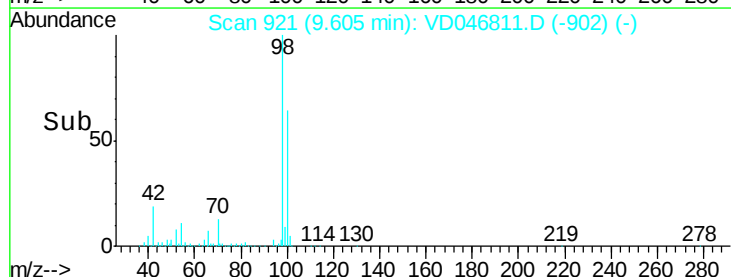
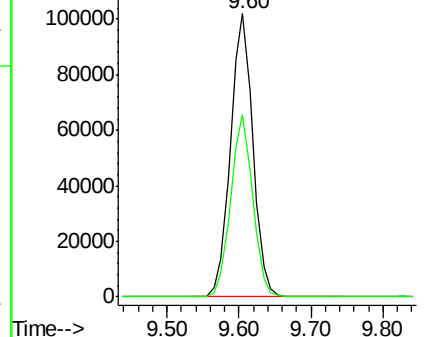
98 100

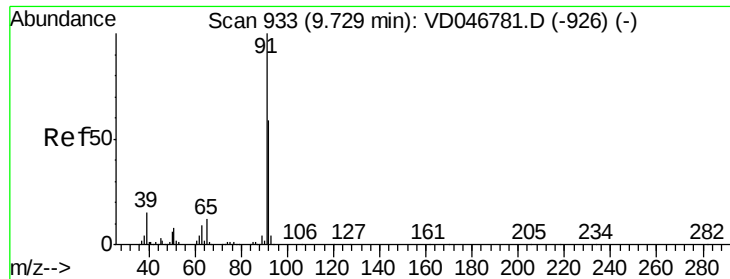
100 64.4 49.9 74.9



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 8.81 ug/l

RT: 9.70 min Scan# 931

Delta R.T. -0.03 min

Lab File: VD046811.D

Acq: 21 Sep 2015 17:04

Instrument :

MSVOA_D

ClientSampleId :

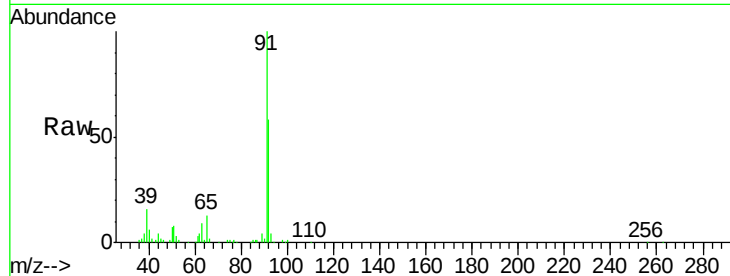
MGP202-30-32

Tot Ion: 92 Resp: 30835

Ion Ratio Lower Upper

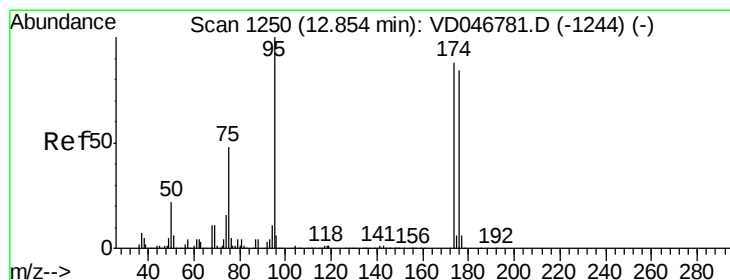
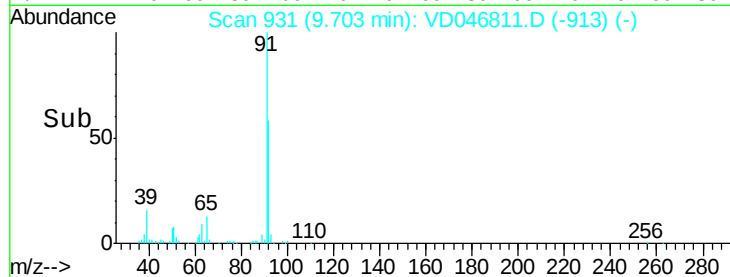
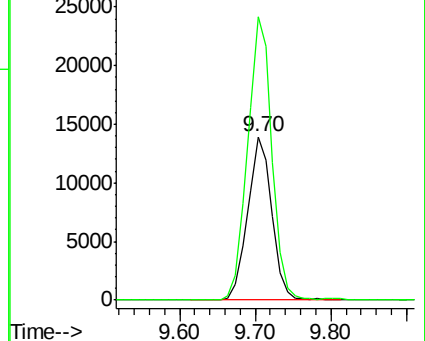
92 100

91 173.0 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.84 min Scan# 1249

Delta R.T. -0.02 min

Lab File: VD046811.D

Acq: 21 Sep 2015 17:04

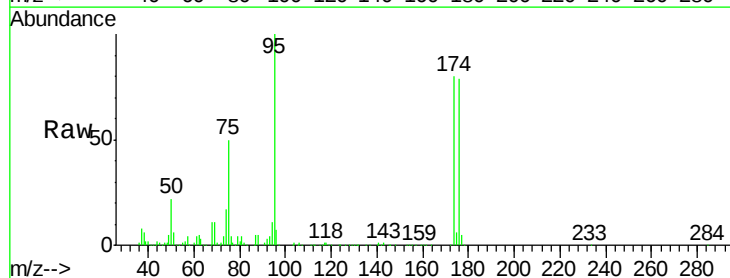
Tgt Ion: 95 Resp: 88362

Ion Ratio Lower Upper

95 100

174 80.4 0.0 149.8

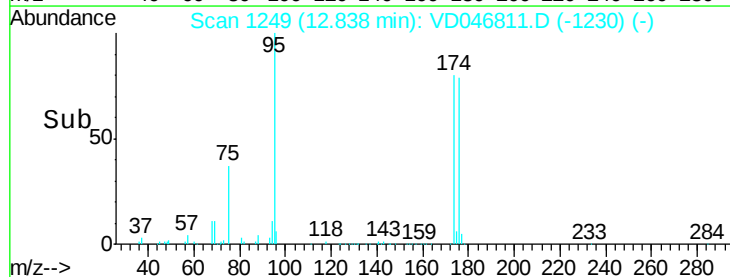
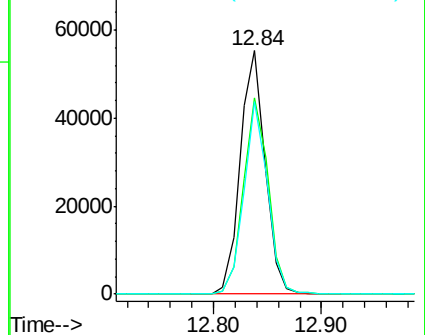
176 79.2 0.0 143.4

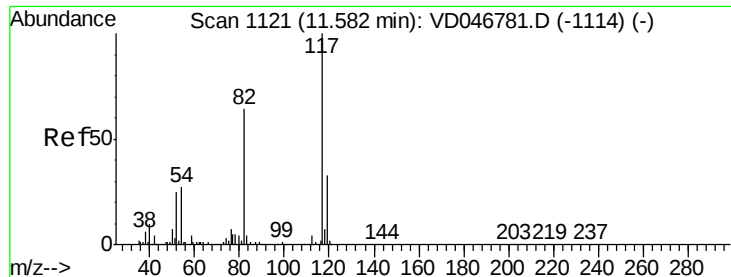


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

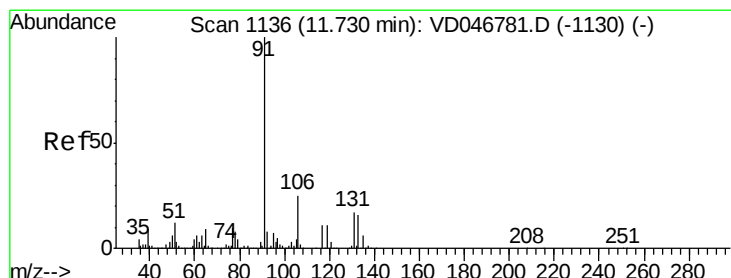
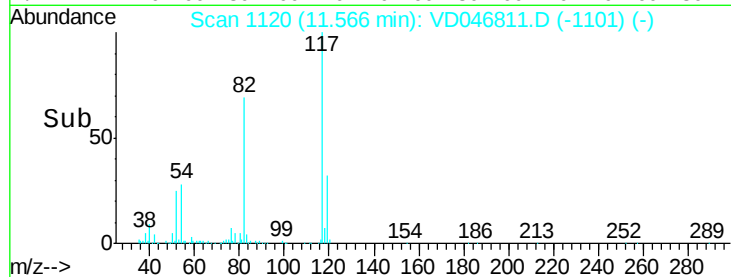
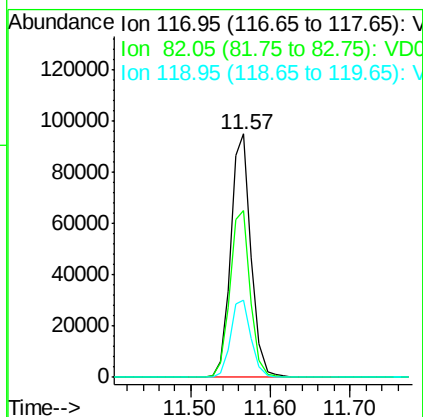
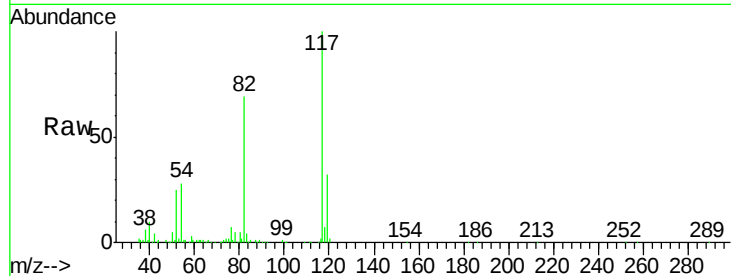




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046811.D
Acq: 21 Sep 2015 17:04

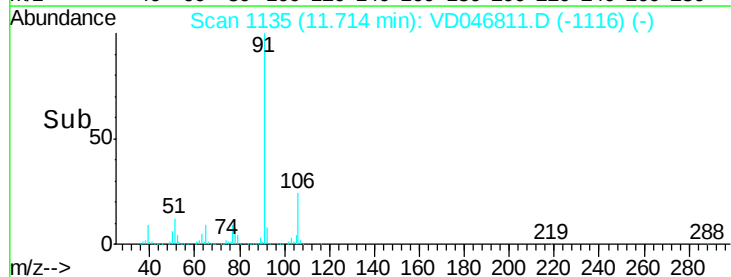
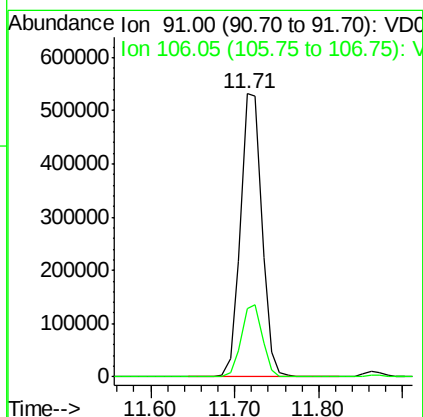
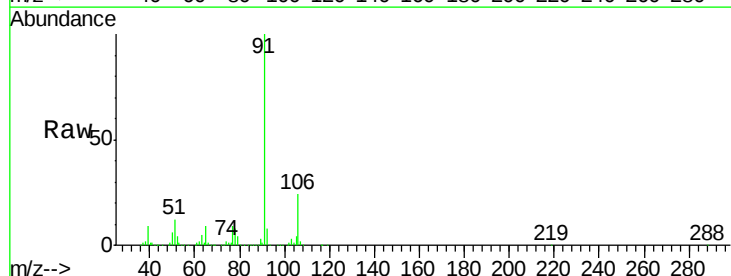
Instrument :
MSVOA_D
ClientSampleId :
MGP202-30-32

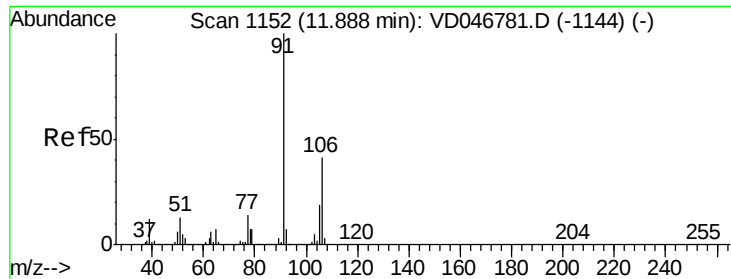
Tot Ion:117 Resp: 169801
Ion Ratio Lower Upper
117 100
82 68.5 50.6 75.8
119 31.8 25.8 38.8



#67
Ethyl Benzene
Concen: 132.04 ug/l
RT: 11.71 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD046811.D
Acq: 21 Sep 2015 17:04

Tgt Ion: 91 Resp: 948107
Ion Ratio Lower Upper
91 100
106 24.2 20.2 30.2





#68

m/p-Xylenes

Concen: 3.20 ug/l

RT: 11.86 min Scan# 1150

Delta R.T. -0.03 min

Lab File: VD046811.D

Acq: 21 Sep 2015 17:04

Instrument :

MSVOA_D

ClientSampleId :

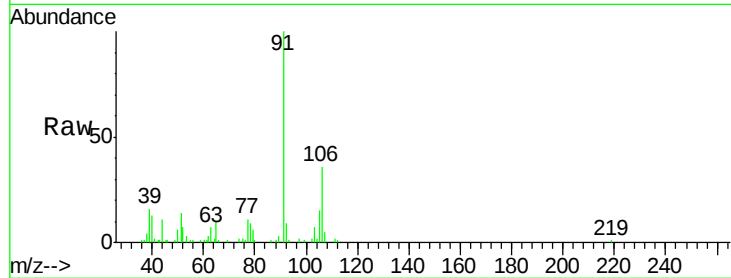
MGP202-30-32

Tot Ion:106 Resp: 7248

Ion Ratio Lower Upper

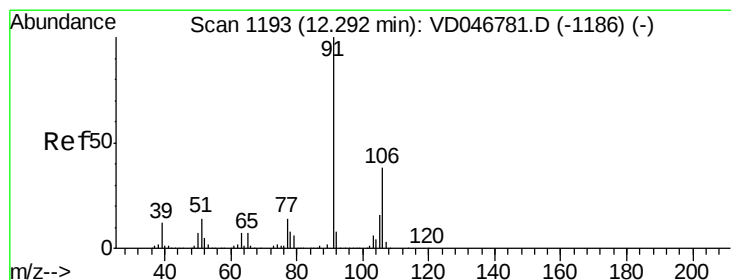
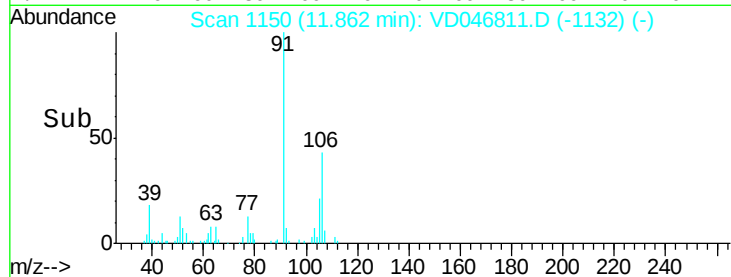
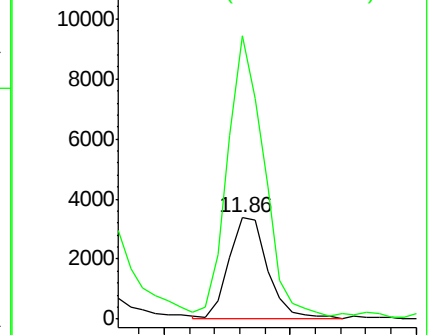
106 100

91 279.7 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 1.95 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.02 min

Lab File: VD046811.D

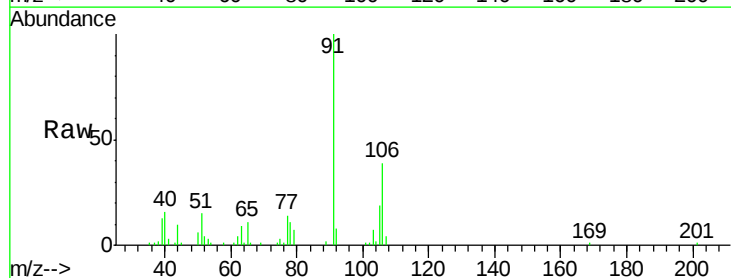
Acq: 21 Sep 2015 17:04

Tgt Ion:106 Resp: 3973

Ion Ratio Lower Upper

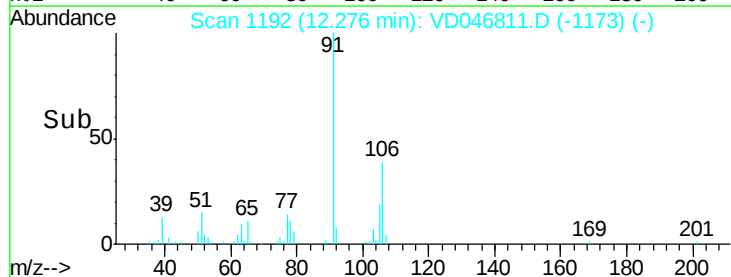
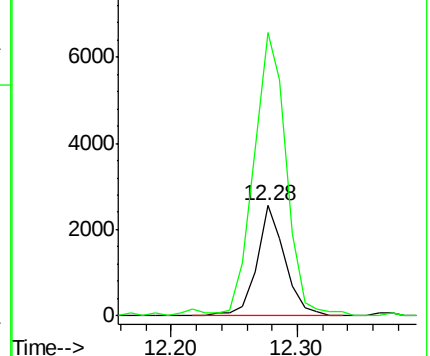
106 100

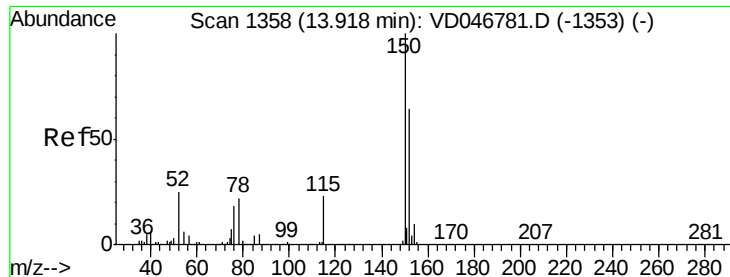
91 257.0 124.8 374.5



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: 13.90 min Scan# 1357

Delta R.T. -0.02 min

Lab File: VD046811.D

Acq: 21 Sep 2015 17:04

Instrument :

MSVOA_D

ClientSampleId :

MGP202-30-32

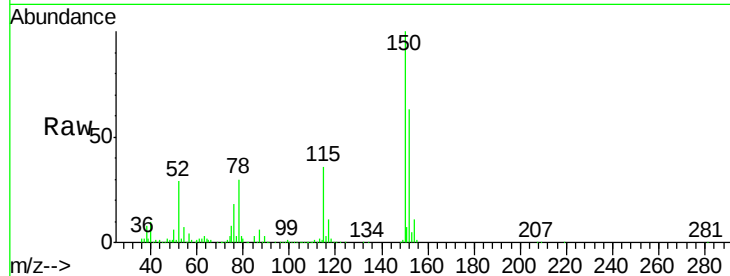
Tot Ion:152 Resp: 79649

Ion Ratio Lower Upper

152 100

115 56.3 26.2 78.6

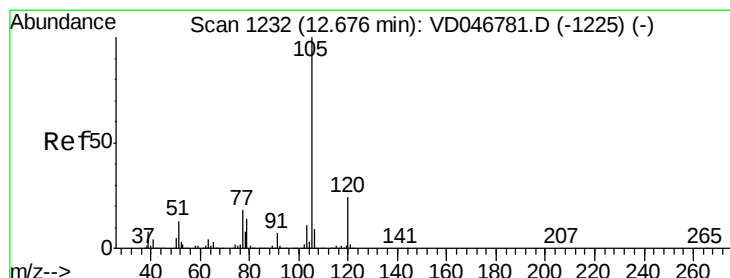
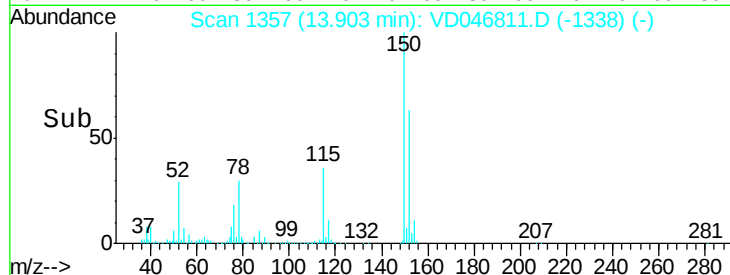
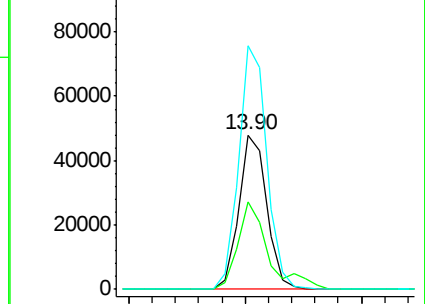
150 157.7 0.0 311.8



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: 184.23 ug/l

RT: 12.66 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD046811.D

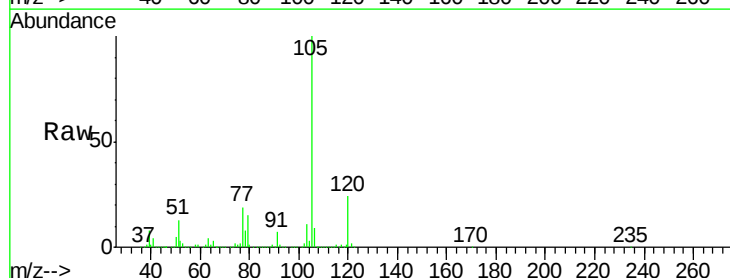
Acq: 21 Sep 2015 17:04

Tgt Ion:105 Resp: 1034416

Ion Ratio Lower Upper

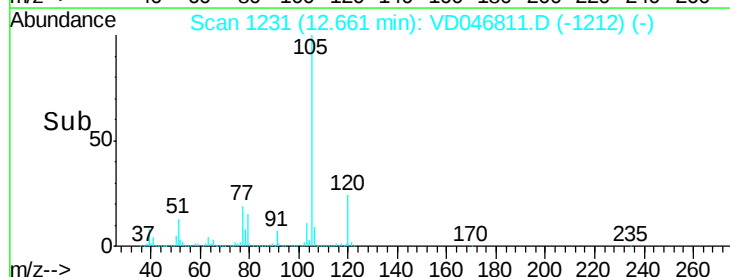
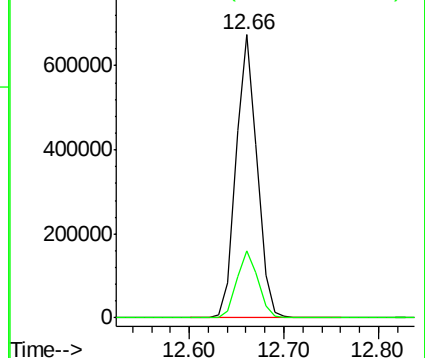
105 100

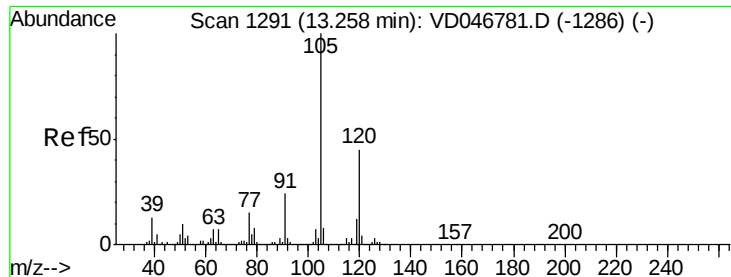
120 23.9 12.4 37.4



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: 9.62 ug/l

RT: 13.24 min Scan# 1290

Delta R.T. -0.02 min

Lab File: VD046811.D

Acq: 21 Sep 2015 17:04

Instrument :

MSVOA_D

ClientSampleId :

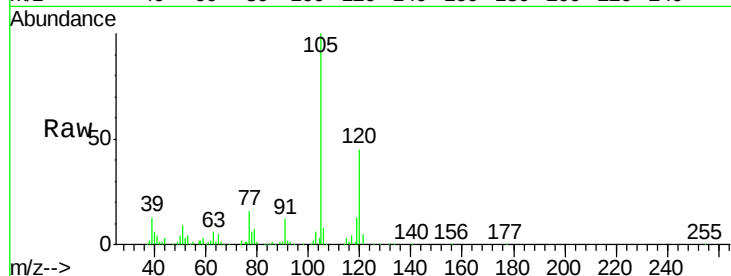
MGP202-30-32

Tot Ion:105 Resp: 43022

Ion Ratio Lower Upper

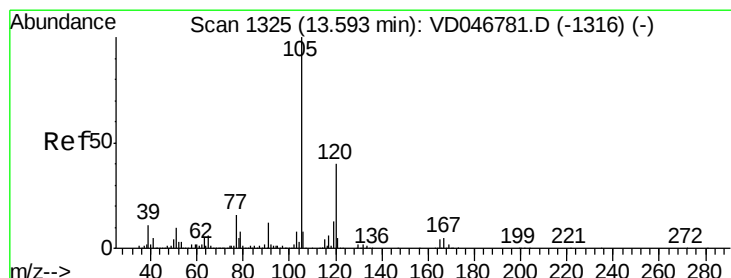
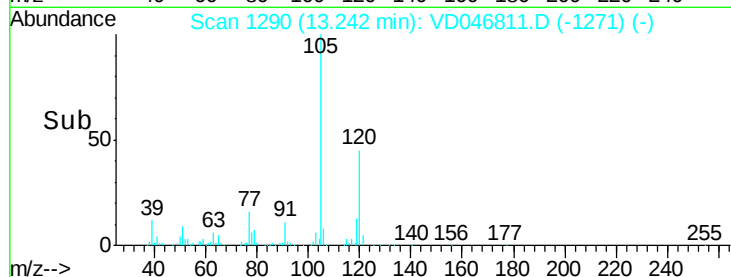
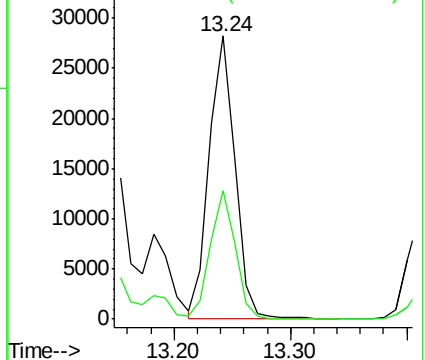
105 100

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: 64.95 ug/l

RT: 13.58 min Scan# 1324

Delta R.T. -0.02 min

Lab File: VD046811.D

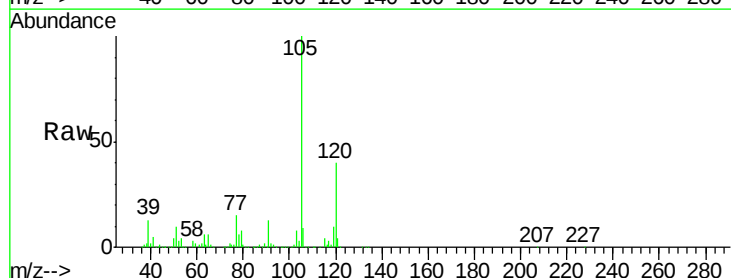
Acq: 21 Sep 2015 17:04

Tgt Ion:105 Resp: 292514

Ion Ratio Lower Upper

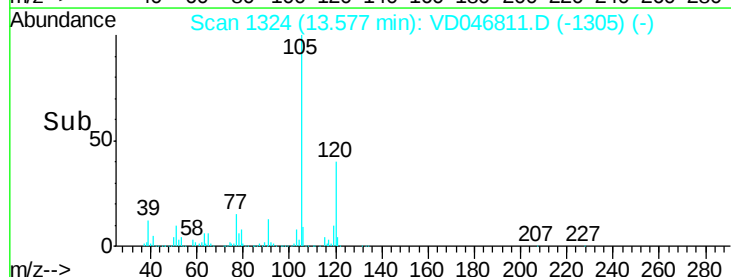
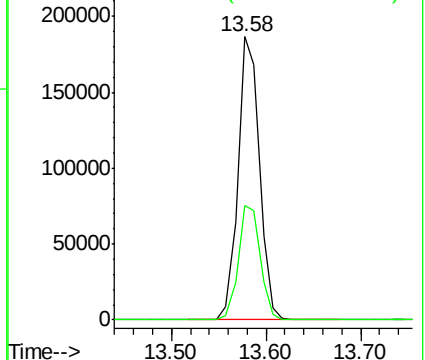
105 100

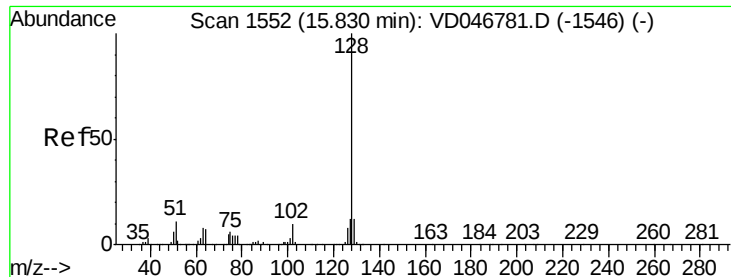
120 40.3 21.1 63.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

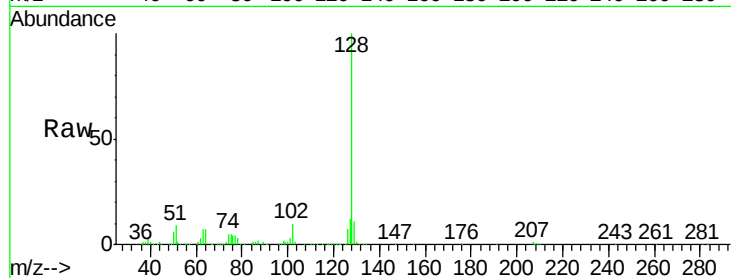




#95
 Naphthalene
 Concen: 137.27 ug/l
 RT: 15.81 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: VD046811.D
 Acq: 21 Sep 2015 17:04

Instrument :
 MSVOA_D
 ClientSampleId :
 MGP202-30-32

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.6
129	10.8	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

