

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 : 11.30um/5mL/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MGP202-38-40

Quant Time: Sep 22 01:05:14 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

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

						Qvalue
2) Dichlorodifluoromethane	1.42	85	647	Below Cal	#	50
3) Chlorodifluoromethane	1.44	51	221	Below Cal	#	37
6) Bromomethane	1.96	94	312	Below Cal	#	33
11) Methyl Iodide	3.06	142	35	1.75	ug/l	# 49
12) Tert butyl alcohol	3.68	59	52	Below Cal	#	74
14) Acrolein	2.76	56	227	2.48	ug/l	# 66
17) Acetone	2.94	43	9075	30.03	ug/l	# 85
21) Methylene Chloride	3.50	84	7566	4.61	ug/l	# 82
24) Vinyl Acetate	4.57	43	46	15.03	ug/l	# 82
26) 2-Butanone	5.45	43	1356	3.99	ug/l	# 61
31) Cyclohexane	6.29	56	4789	1.78	ug/l	# 26
36) 1,1-Dichloropropene	6.29	75	15769	5.47	ug/l	# 51
38) Carbon Tetrachloride	6.29	117	16514	5.52	ug/l	# 16
49) 1,4-Dioxane	8.30	88	31	4.49	ug/l	# 20
52) Toluene	9.71	92	9705	2.14	ug/l	94
56) Ethyl methacrylate	10.21	69	126	3.97	ug/l	# 11
58) 2-Chloroethyl Vinyl ether	9.02	63	31	6.38	ug/l	# 53
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
74) N-amyl acetate	12.50	43	75	4.74	ug/l	# 54
76) 1,2,3-Trichloropropane	13.15	75	1911	1.30	ug/l	# 1
79) 2-Chlorotoluene	13.15	91	14434	2.17	ug/l	# 49
80) 1,3,5-Trimethylbenzene	13.24	105	96832	14.32	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.83	75	61604	145.09	ug/l	# 9
82) 4-Chlorotoluene	13.24	91	11683	1.48	ug/l	# 46
83) tert-Butylbenzene	13.58	119	68958	11.31	ug/l	# 67
84) 1,2,4-Trimethylbenzene	13.58	105	615645	90.47	ug/l	99
85) sec-Butylbenzene	13.58	105	573064	63.96	ug/l	# 56
86) p-Isopropyltoluene	13.87	119	15701	2.23	ug/l	91
89) n-Butylbenzene	14.12	91	2093219	263.30	ug/l	# 44
90) Hexachloroethane	14.50	117	2946	1.80	ug/l	# 8
92) 1,2-Dibromo-3-Chloropropan	14.88	75	22129	125.77	ug/l	# 1
95) Naphthalene	15.81	128	2026086	759.60	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:47:18 2015
Response via : Initial Calibration

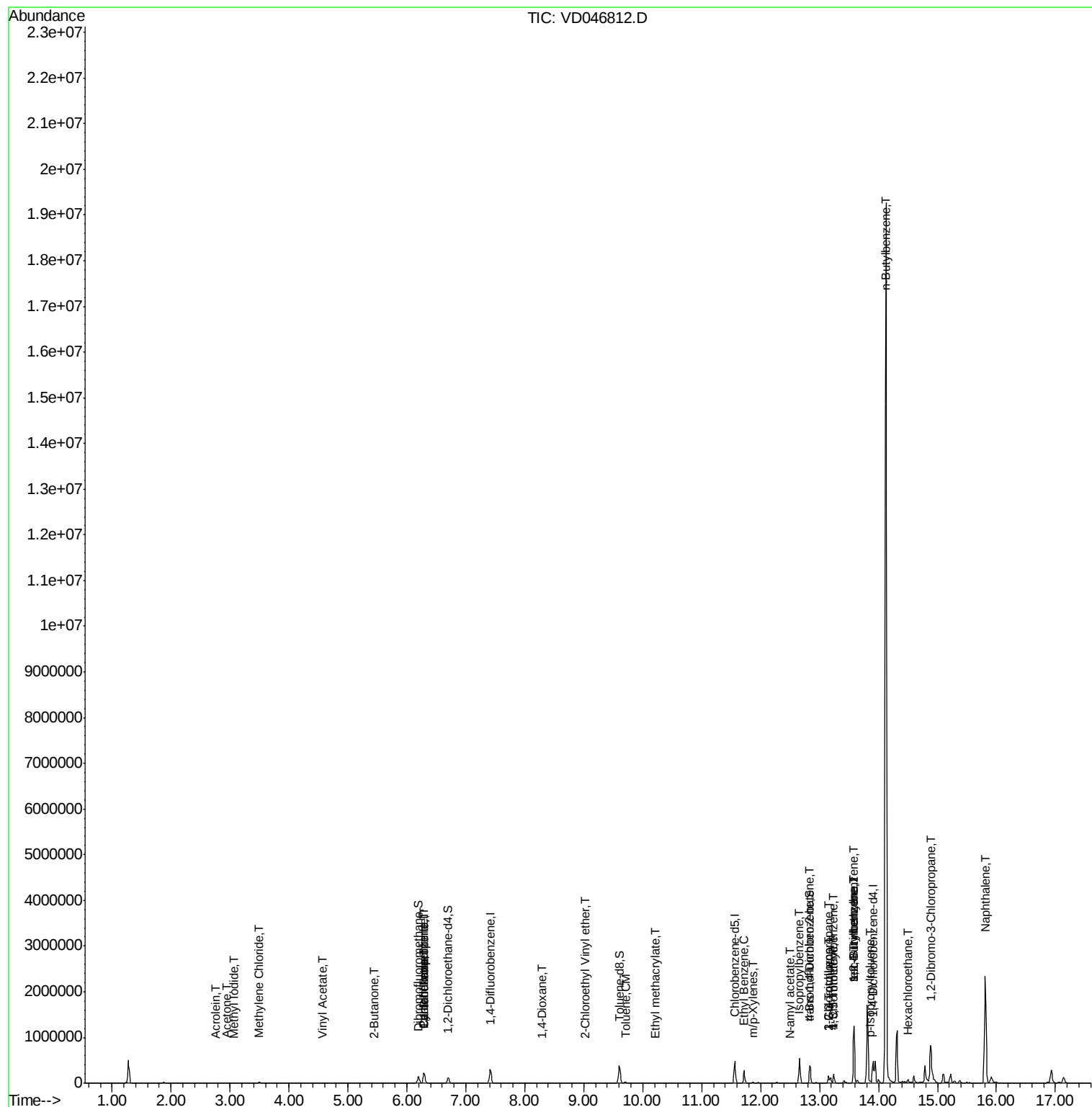
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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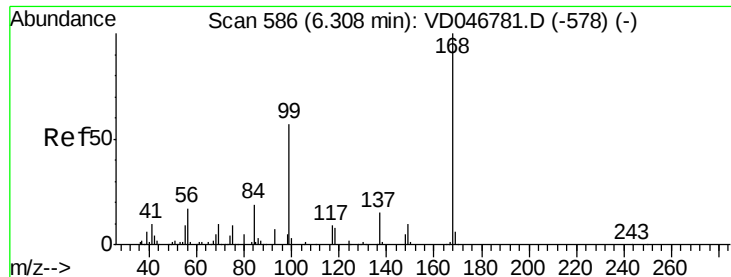
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

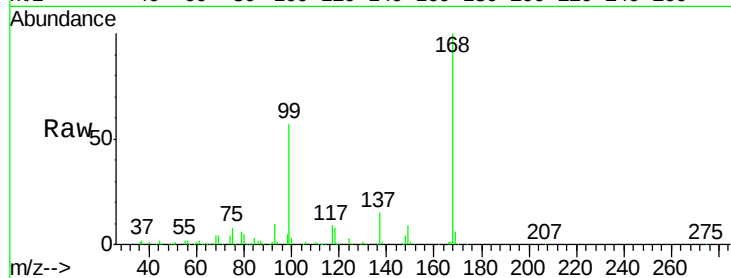
MGP202-38-40

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

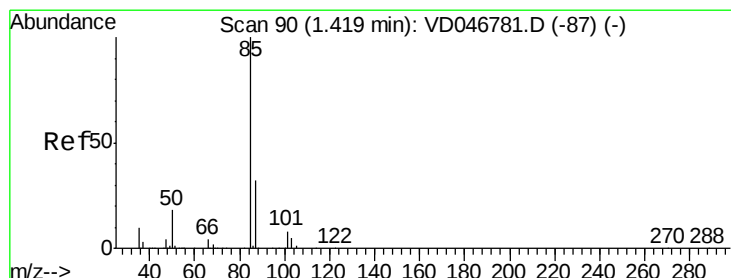
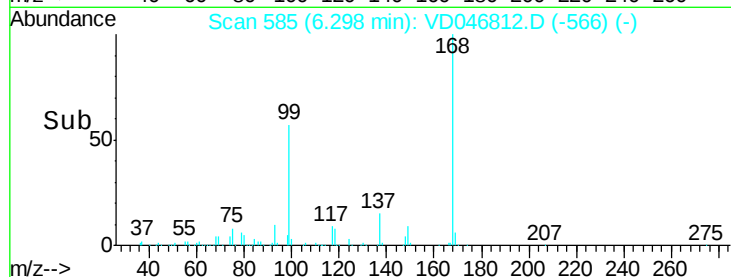
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VD046812.D

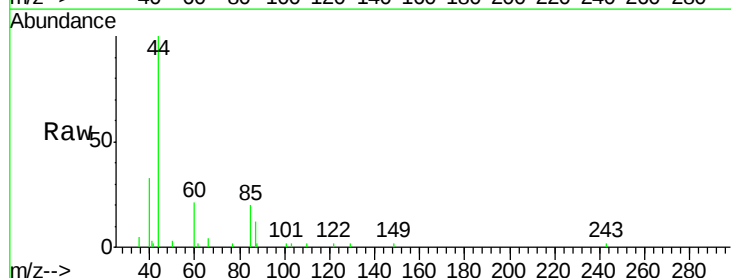
Acq: 21 Sep 2015 17:32

Tgt Ion: 85 Resp: 647

Ion Ratio Lower Upper

85 100

87 60.4 16.2 48.5#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.42

600

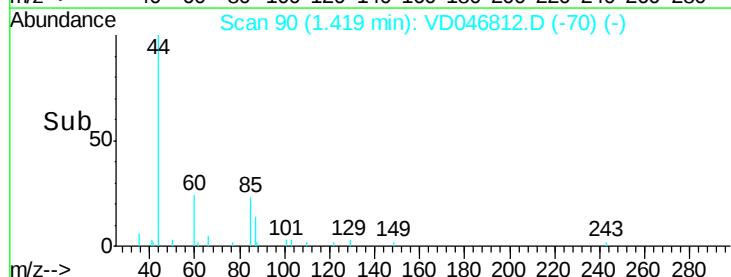
400

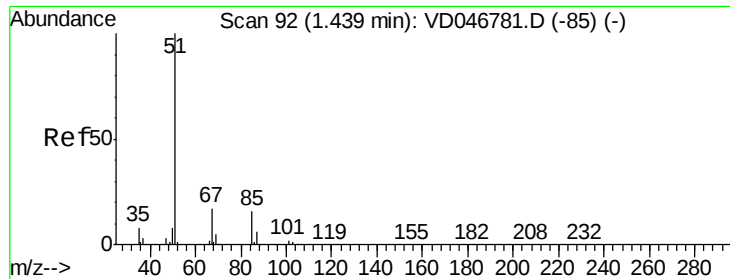
200

0

Time-->

1.40 1.45





#3

Chlorodifluoromethane

Concen: Below Cal

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleId :

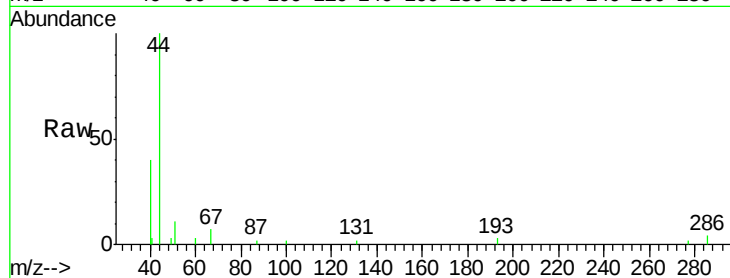
MGP202-38-40

Tot Ion: 51 Resp: 221

Ion Ratio Lower Upper

51 100

67 38.9 10.9 16.3#



Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

1.44

250

200

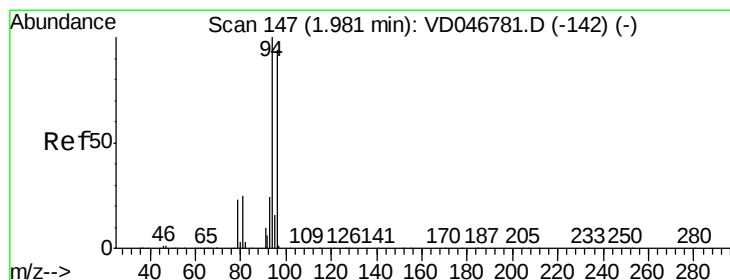
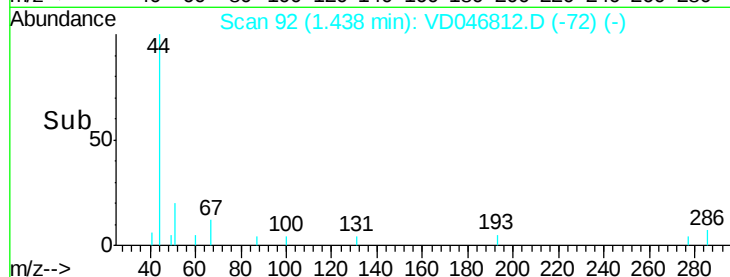
150

100

50

0

Time-->



#6

Bromomethane

Concen: Below Cal

RT: 1.96 min Scan# 145

Delta R.T. -0.02 min

Lab File: VD046812.D

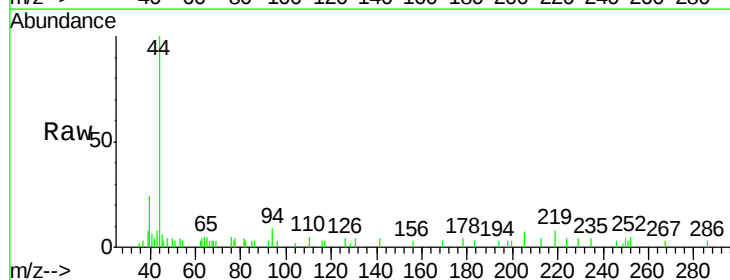
Acq: 21 Sep 2015 17:32

Tgt Ion: 94 Resp: 312

Ion Ratio Lower Upper

94 100

96 30.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.96

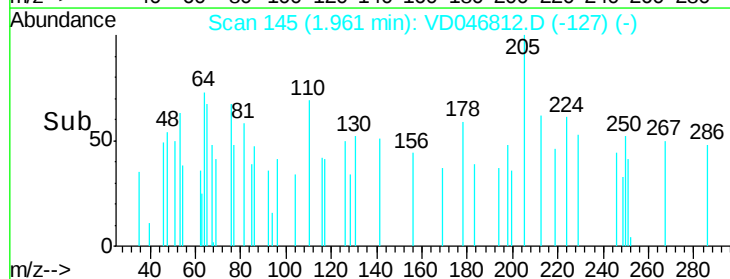
300

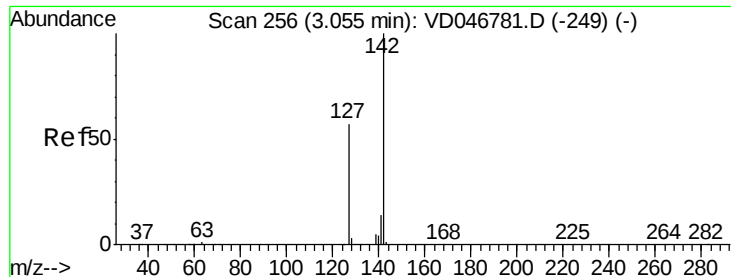
200

100

0

Time-->

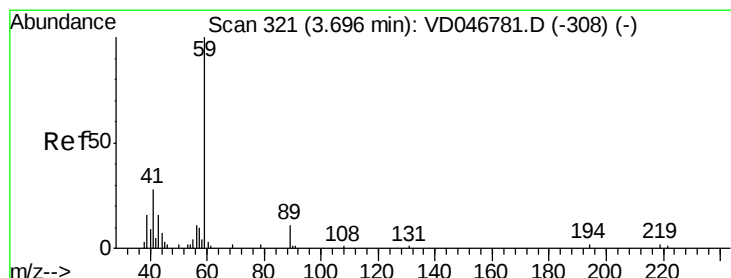
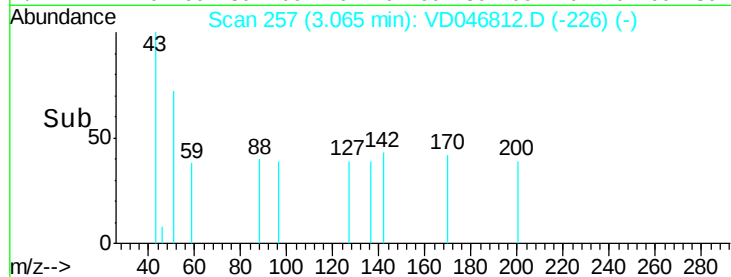
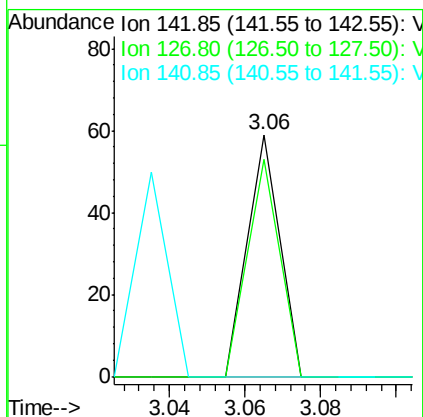
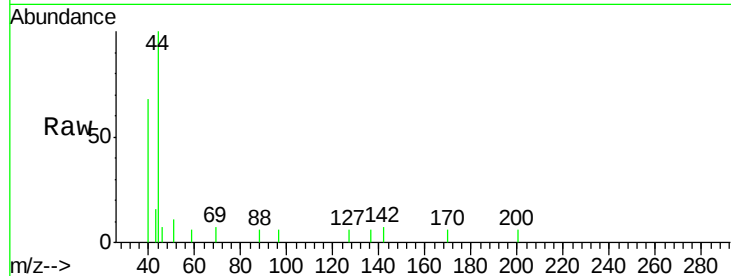




#11
Methvl Iodide
Concen: 1.75 ua/l
RT: 3.06 min Scan# 257
Delta R.T. 0.01 min
Lab File: VD046812.D
Acq: 21 Sep 2015 17:32

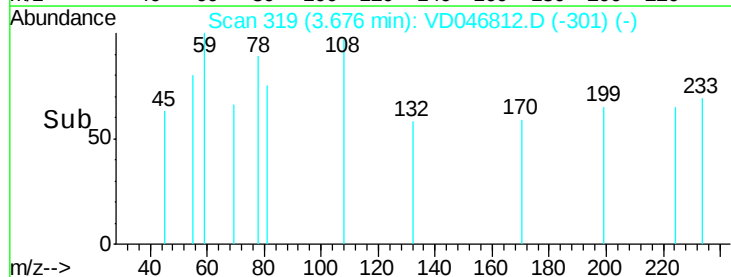
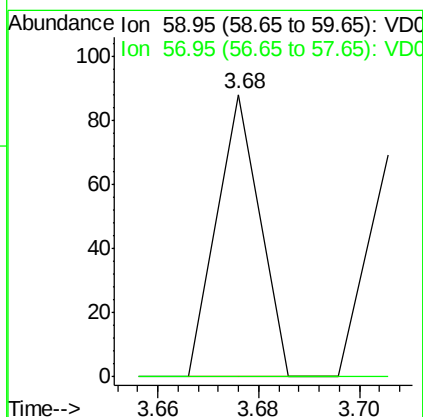
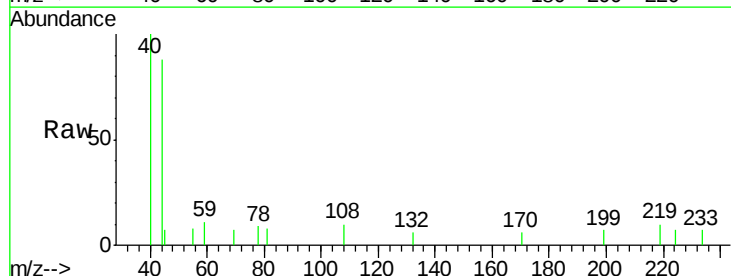
Instrument :
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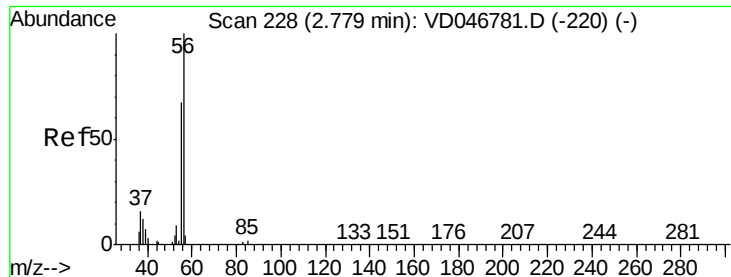
Tot Ion	Ratio	Lower	Upper
142	100		
127	89.8	41.2	61.8#
141	0.0	11.6	17.4#



#12
Tert butyl alcohol
Concen: Below Cal
RT: 3.68 min Scan# 319
Delta R.T. -0.02 min
Lab File: VD046812.D
Acq: 21 Sep 2015 17:32

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#





#14

Acrolein

Concen: 2.48 ug/l

RT: 2.76 min Scan# 226

Delta R.T. -0.02 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleId :

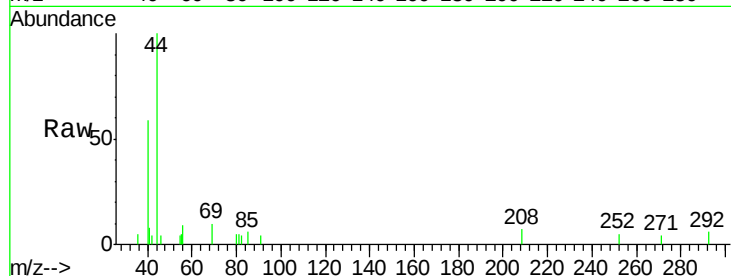
MGP202-38-40

Tot Ion: 56 Resp: 227

Ion Ratio Lower Upper

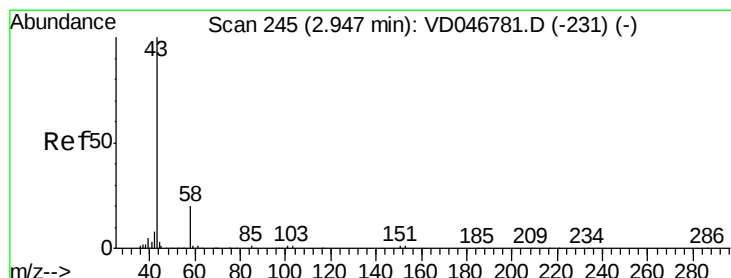
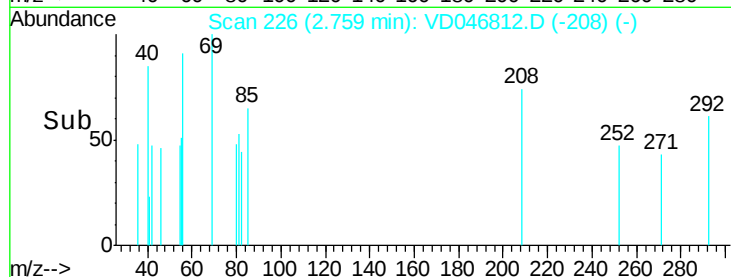
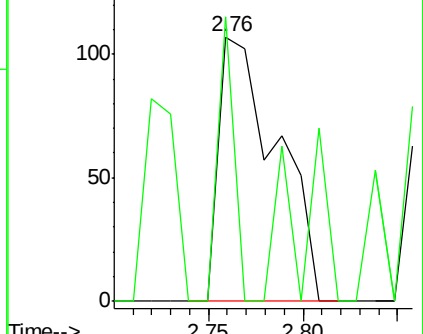
56 100

55 107.5 62.6 93.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#17

Acetone

Concen: 30.03 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD046812.D

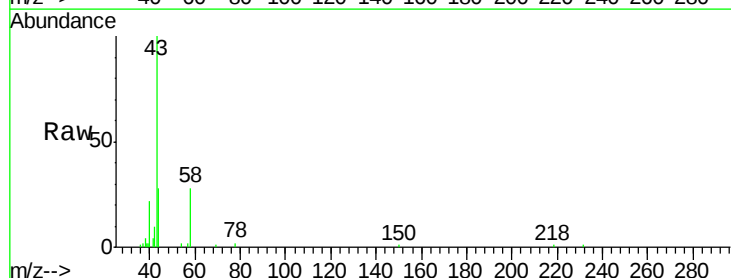
Acq: 21 Sep 2015 17:32

Tgt Ion: 43 Resp: 9075

Ion Ratio Lower Upper

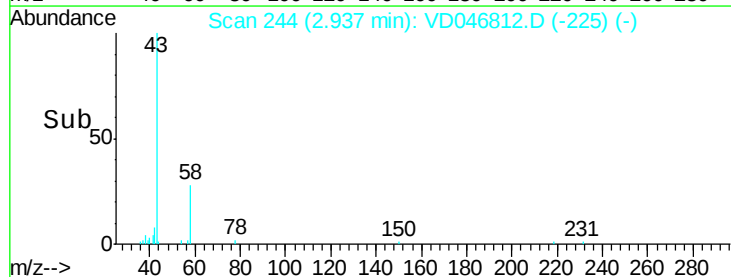
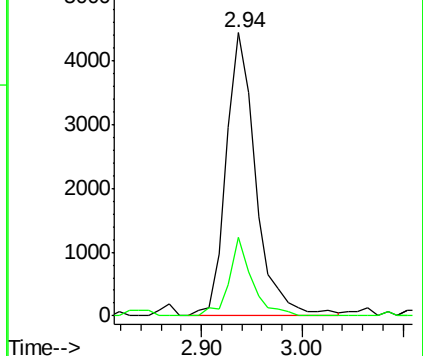
43 100

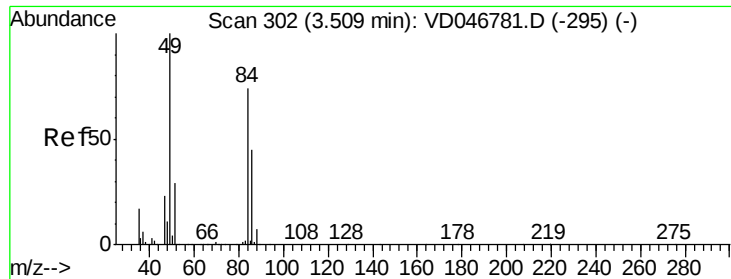
58 27.6 16.6 24.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

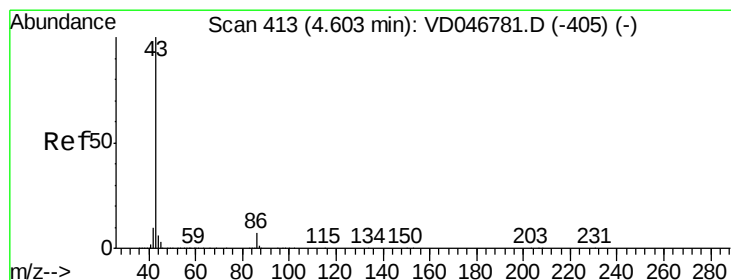
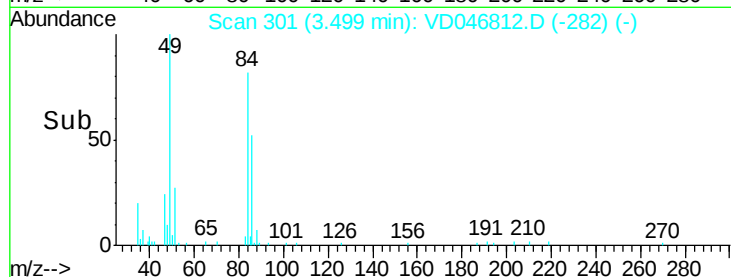
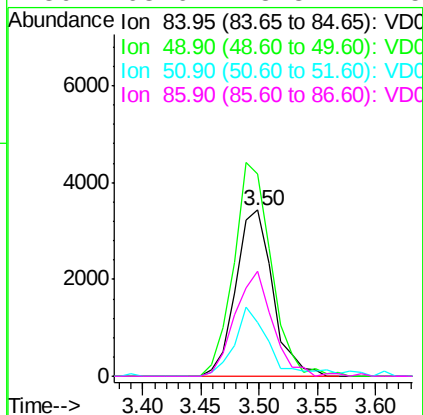
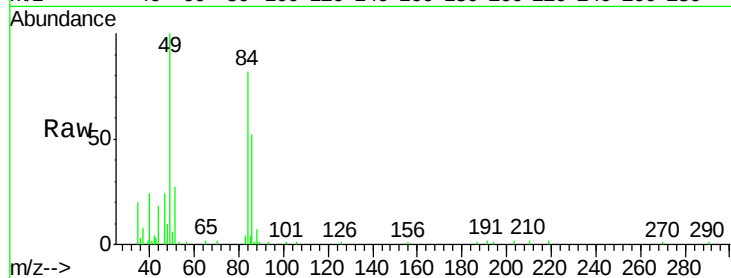




#21
Methylene Chloride
Concen: 4.61 ug/l
RT: 3.50 min Scan# 301
Delta R.T. -0.01 min
Lab File: VD046812.D
Acq: 21 Sep 2015 17:32

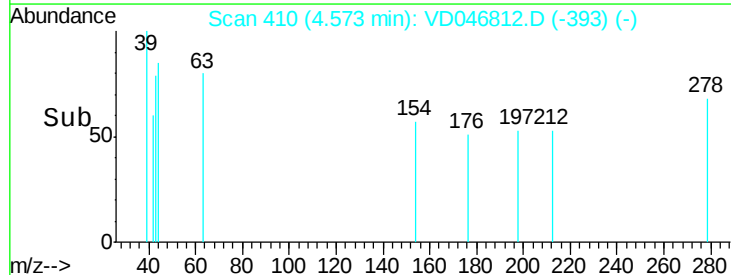
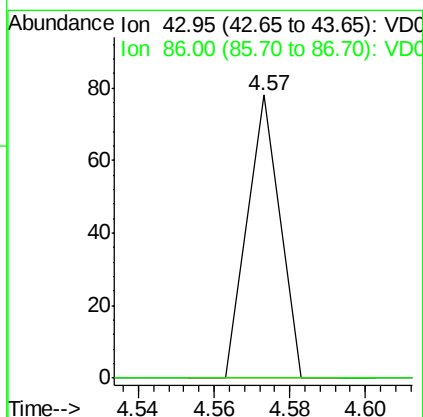
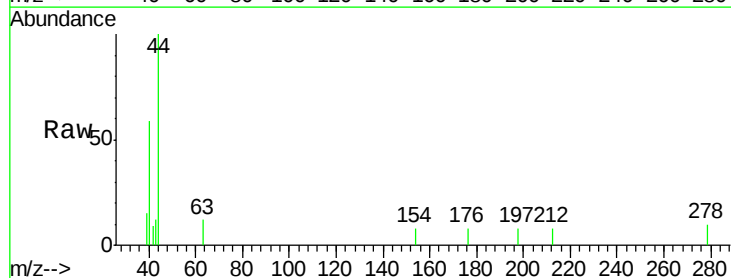
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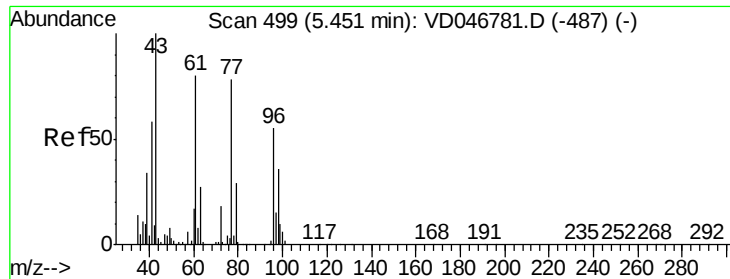
Tot Ion: 84 Resp: 7566
Ion Ratio Lower Upper
84 100
49 122.2 122.1 183.1
51 32.5 33.6 50.4#
86 63.6 48.3 72.5



#24
Vinyl Acetate
Concen: 15.03 ug/l
RT: 4.57 min Scan# 410
Delta R.T. -0.03 min
Lab File: VD046812.D
Acq: 21 Sep 2015 17:32

Tgt Ion: 43 Resp: 46
Ion Ratio Lower Upper
43 100
86 0.0 4.9 7.3#

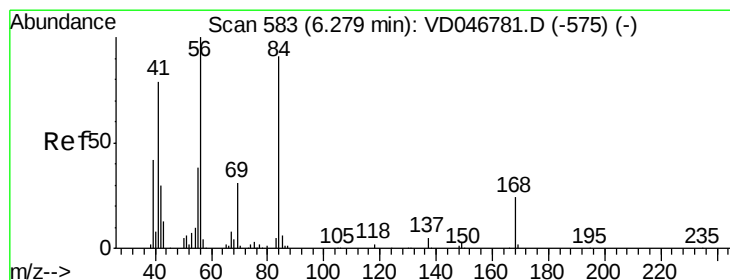
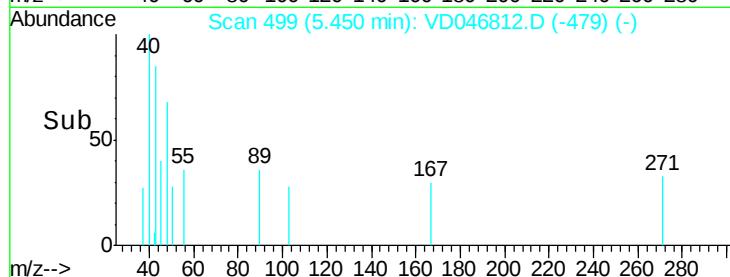
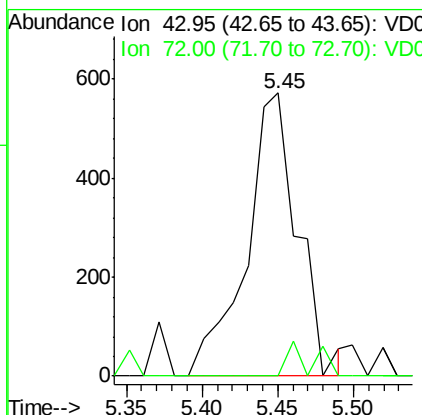
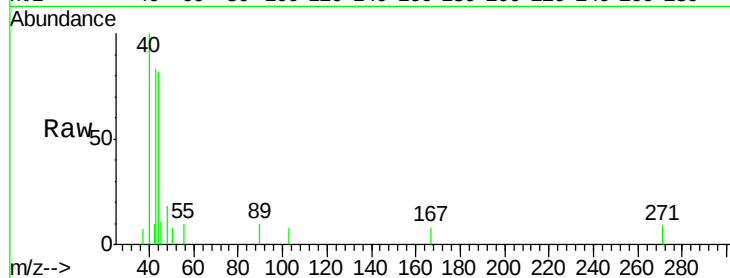




#26
2-Butanone
Concen: 3.99 ug/l
RT: 5.45 min Scan# 499
Delta R.T. -0.00 min
Lab File: VD046812.D
Acq: 21 Sep 2015 17:32

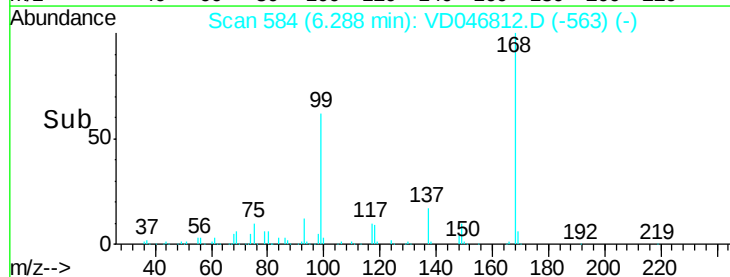
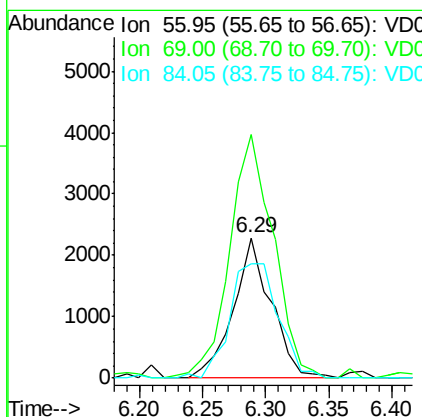
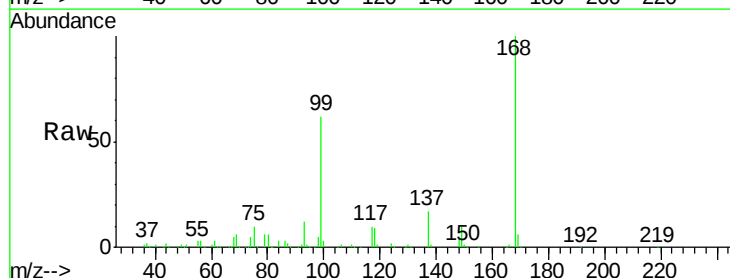
Instrument :
MSVOA_D
ClientSampleId :
MGP202-38-40

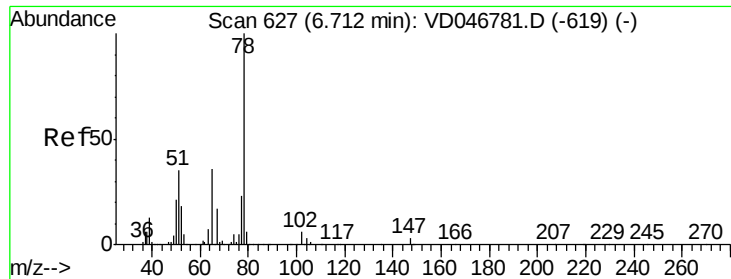
Tot Ion: 43 Resp: 1356
Ion Ratio Lower Upper
43 100
72 0.0 13.4 20.0#



#31
Cyclohexane
Concen: 1.78 ug/l
RT: 6.29 min Scan# 584
Delta R.T. 0.01 min
Lab File: VD046812.D
Acq: 21 Sep 2015 17:32

Tgt Ion: 56 Resp: 4789
Ion Ratio Lower Upper
56 100
69 173.4 23.4 35.0#
84 81.5 63.8 95.8

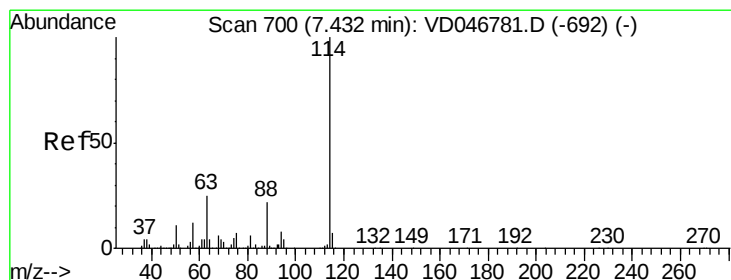
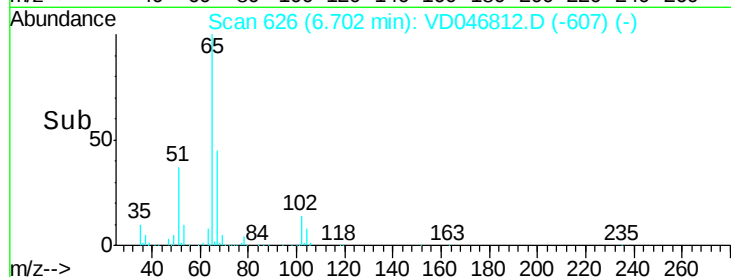
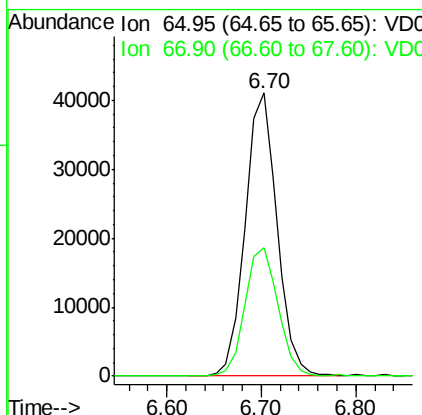
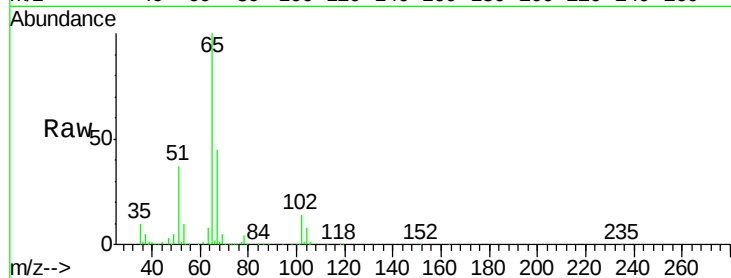




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: VD046812.D
 Acq: 21 Sep 2015 17:32

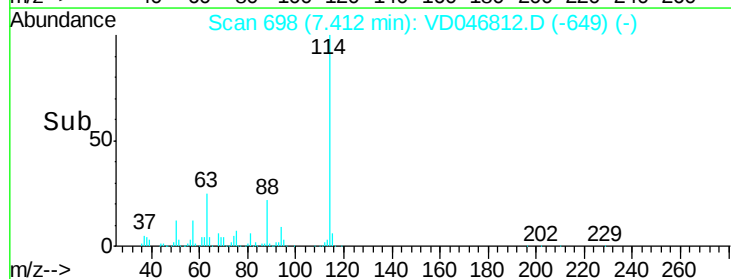
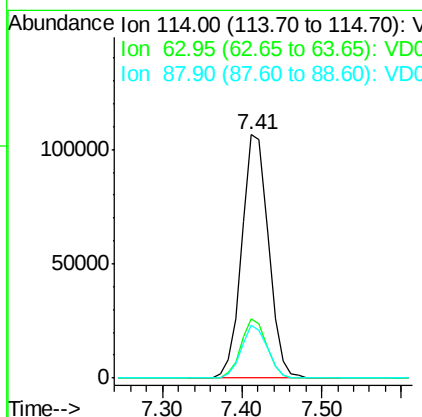
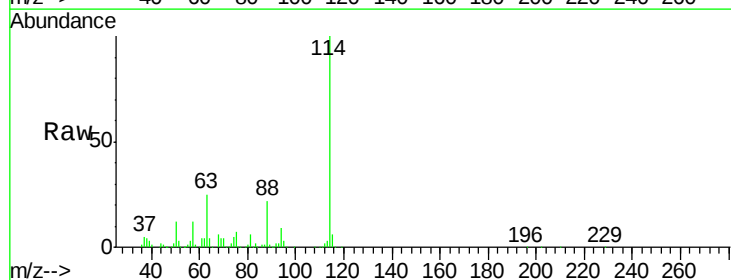
Instrument :
 MSVOA_D
 ClientSampleId :
 MGP202-38-40

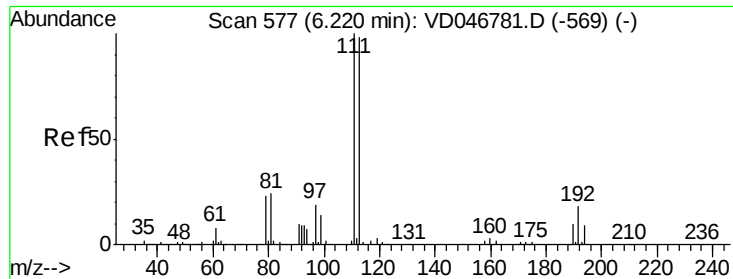
Tot Ion: 65 Resp: 95847
 Ion Ratio Lower Upper
 65 100
 67 45.3 0.0 105.4



#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

Tgt Ion: 114 Resp: 246560
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.8
 88 21.5 0.0 43.6

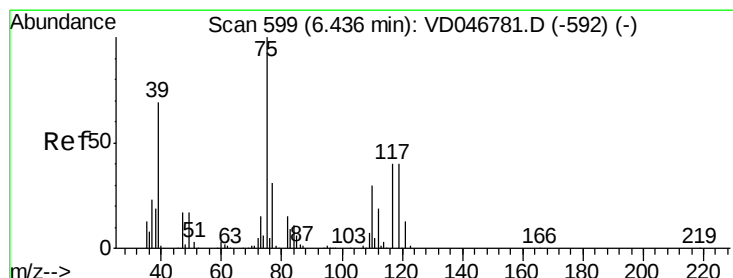
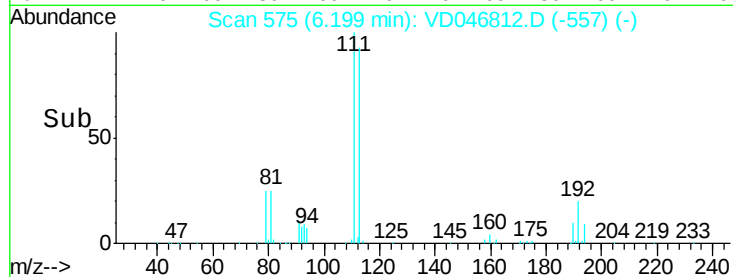
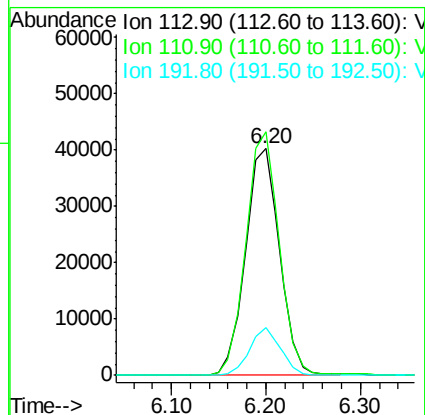
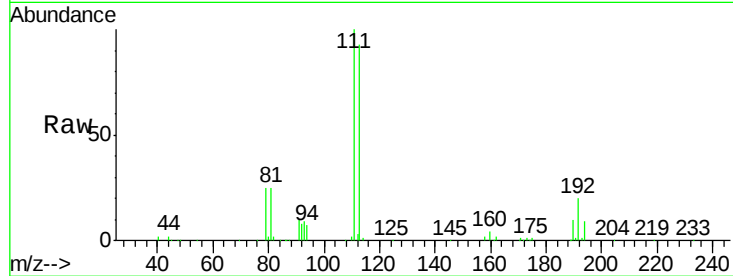




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.20 min Scan# 575
 Delta R.T. -0.02 min
 Lab File: VD046812.D
 Acq: 21 Sep 2015 17:32

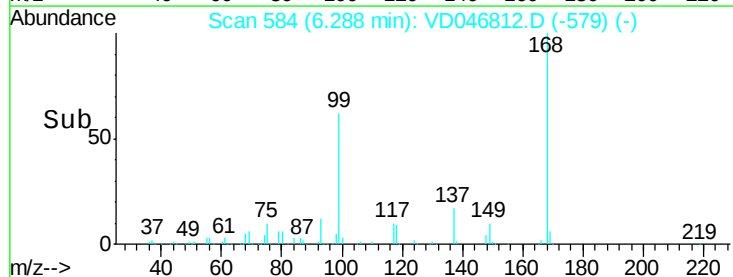
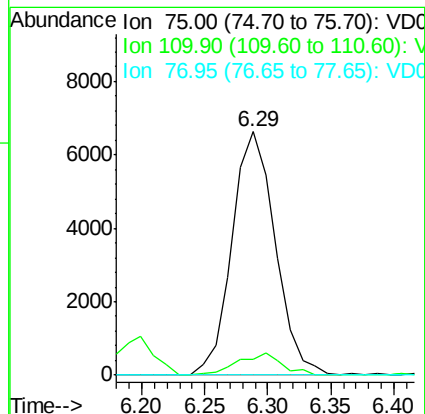
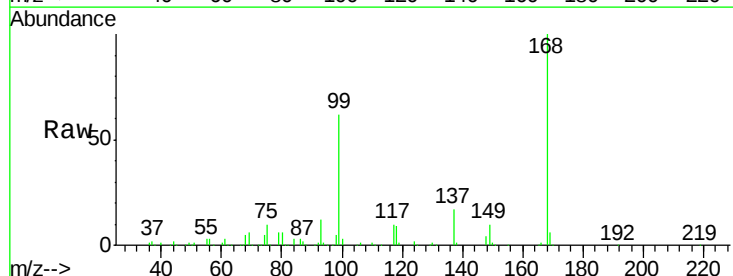
Instrument :
 MSVOA_D
 ClientSampleId :
 MGP202-38-40

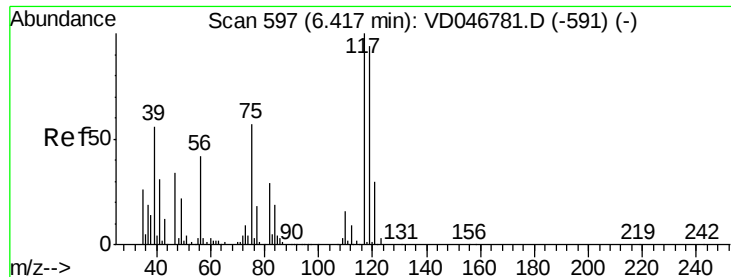
Tot Ion	Ratio	Lower	Upper
113	100		
111	107.5	79.4	119.0
192	21.1	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 5.47 ug/l
 RT: 6.29 min Scan# 584
 Delta R.T. -0.15 min
 Lab File: VD046812.D
 Acq: 21 Sep 2015 17:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.4	13.7	41.0#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.52 ug/l

RT: 6.29 min Scan# 584

Delta R.T. -0.13 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleId :

MGP202-38-40

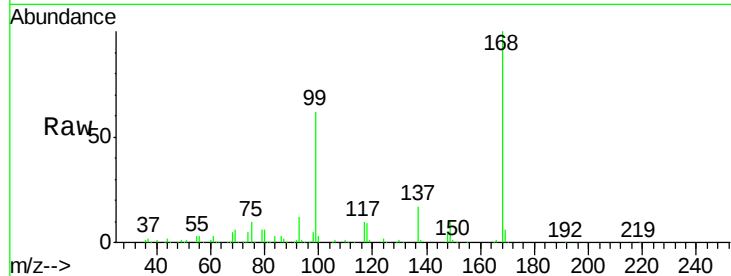
Tot Ion:117 Resp: 16514

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.4#

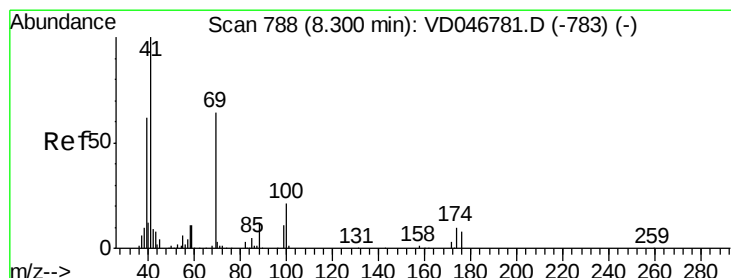
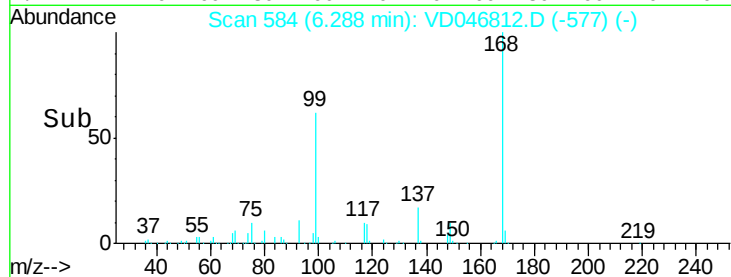
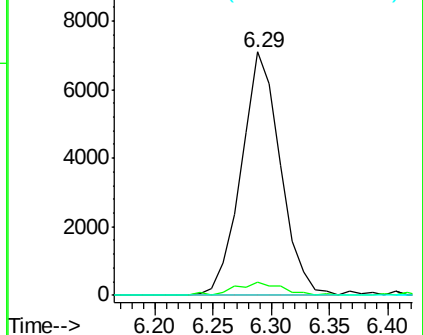
121 0.0 24.5 36.7#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#49

1,4-Dioxane

Concen: 4.49 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.00 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

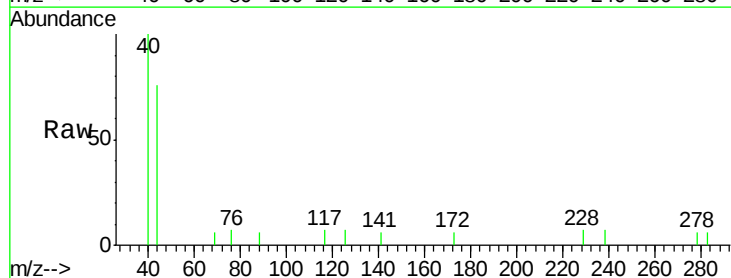
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 0.0 50.0 75.0#

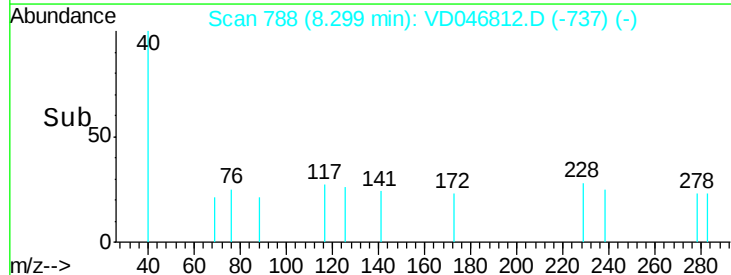
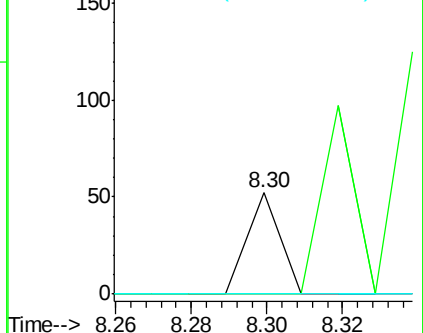
58 0.0 48.3 72.5#

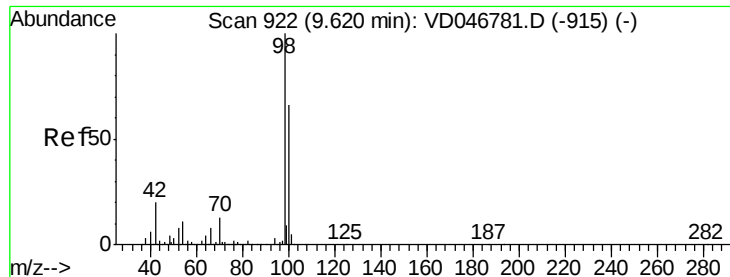


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 4.49 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 :

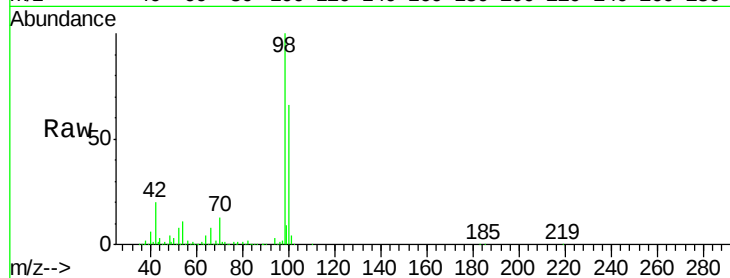
MGP202-38-40

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

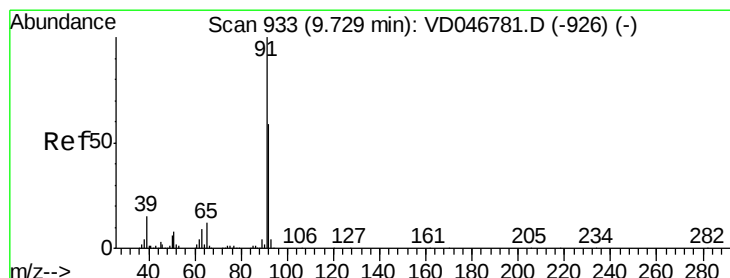
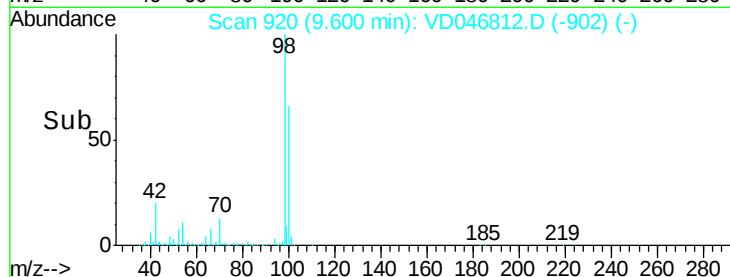
150000

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

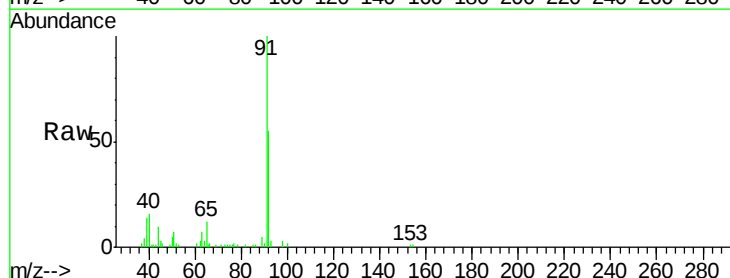
Acq: 21 Sep 2015 17:32

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

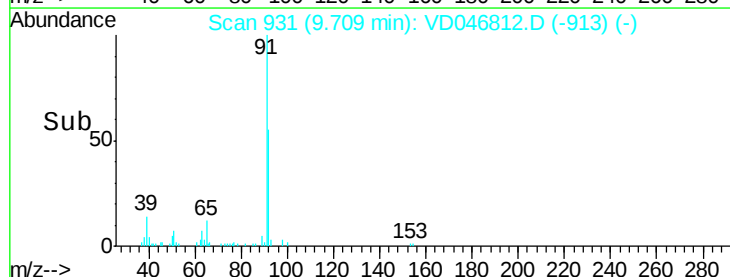
6000

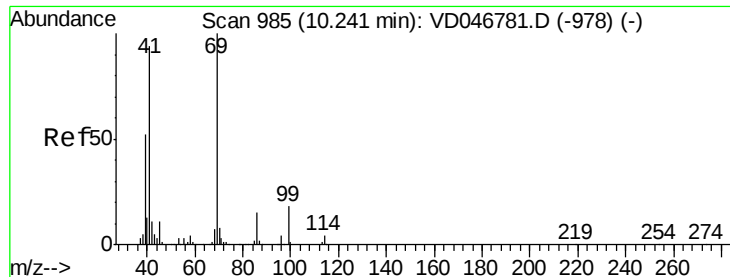
4000

2000

0

Time-->





#56

Ethyl methacrylate

Concen: 3.97 ug/l

RT: 10.21 min Scan# 982

Delta R.T. -0.03 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleID :

MGP202-38-40

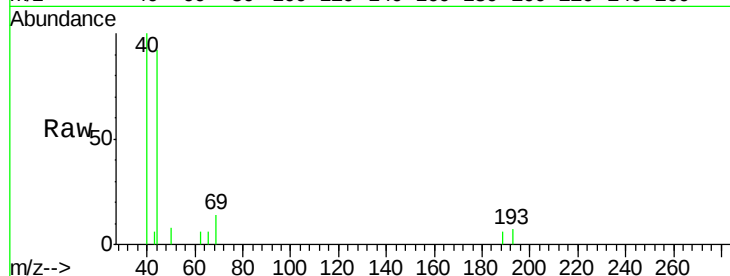
Tot Ion: 69 Resp: 126

Ion Ratio Lower Upper

69 100

41 0.0 75.4 113.0#

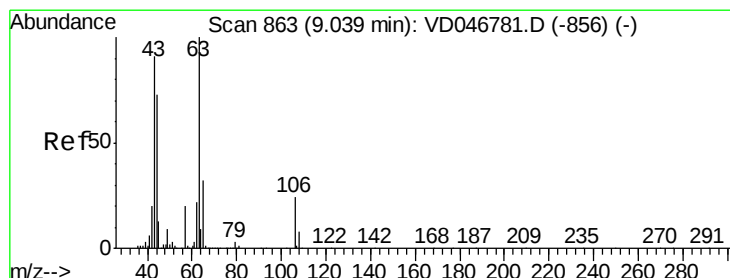
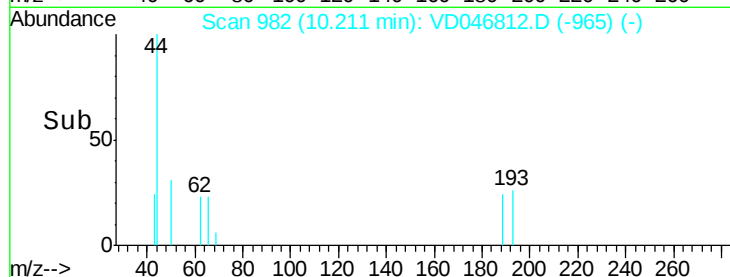
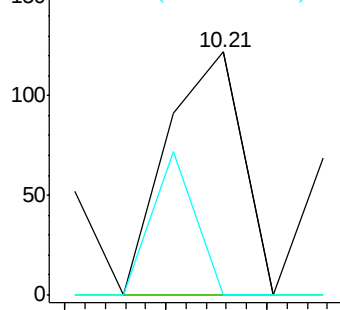
39 0.0 41.0 61.4#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 6.38 ug/l

RT: 9.02 min Scan# 861

Delta R.T. -0.02 min

Lab File: VD046812.D

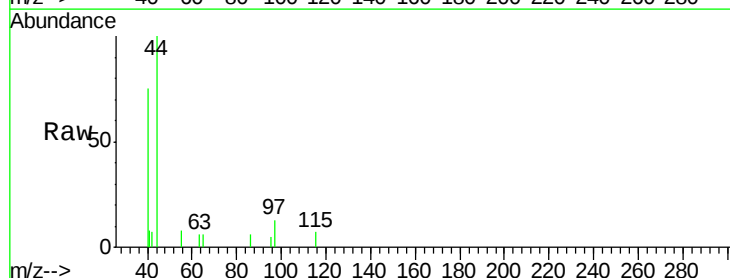
Acq: 21 Sep 2015 17:32

Tgt Ion: 63 Resp: 31

Ion Ratio Lower Upper

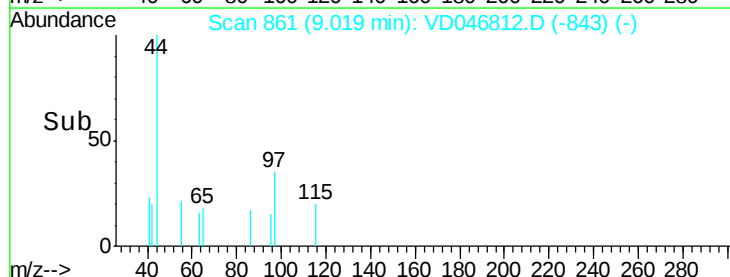
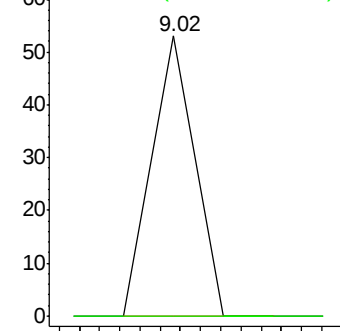
63 100

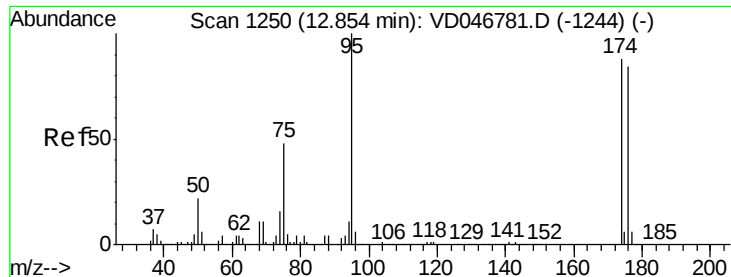
106 0.0 17.8 26.8#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#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

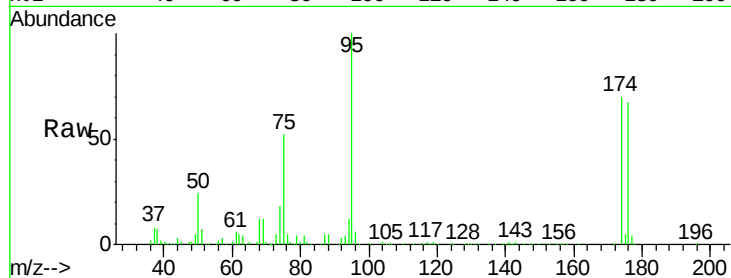
Tot Ion: 95 Resp: 124485

Ion Ratio Lower Upper

95 100

174 70.0 0.0 149.8

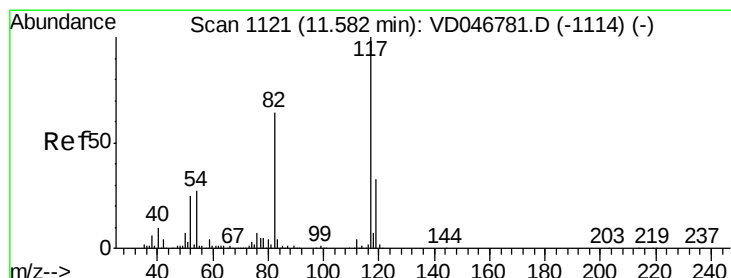
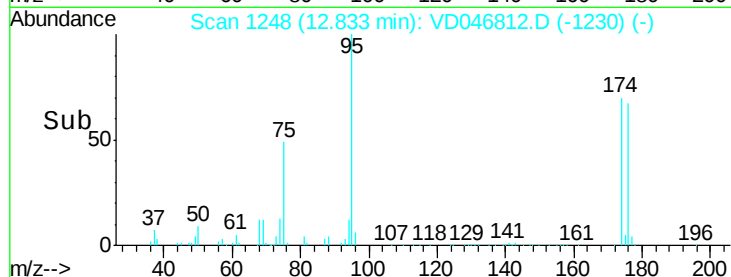
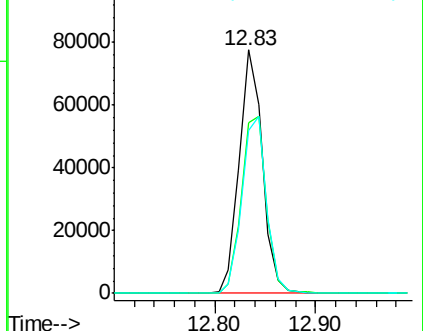
176 66.7 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): V

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: VD046812.D

Acq: 21 Sep 2015 17:32

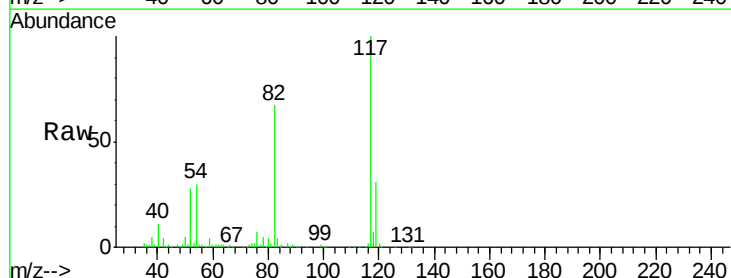
Tgt Ion: 117 Resp: 228132

Ion Ratio Lower Upper

117 100

82 66.7 50.6 75.8

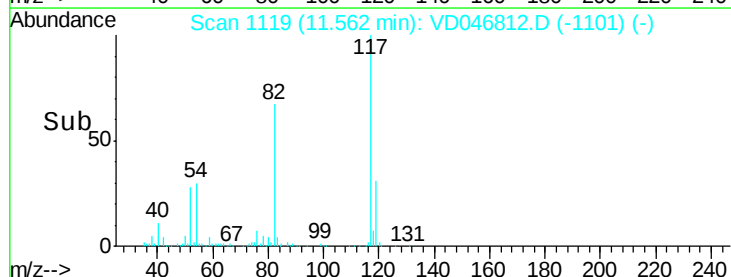
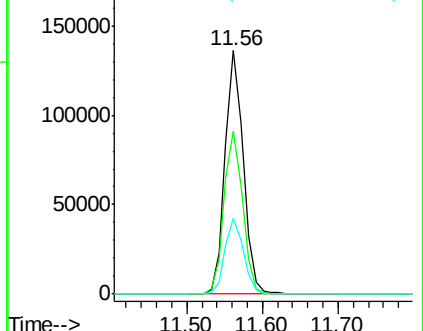
119 31.4 25.8 38.8

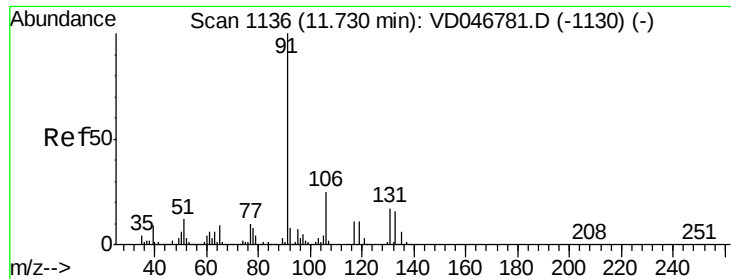


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#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 :

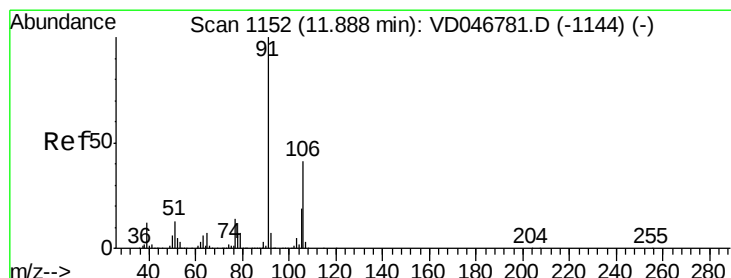
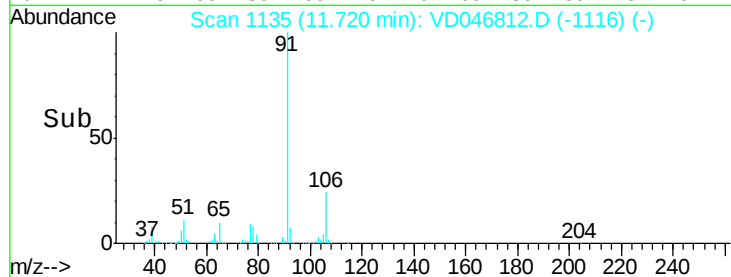
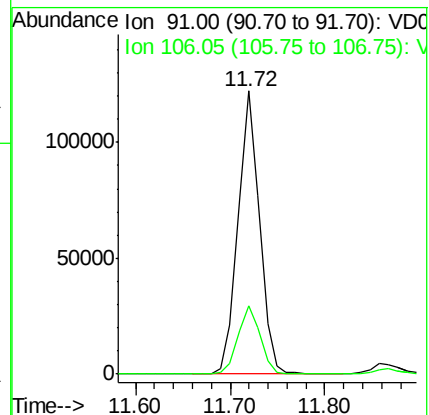
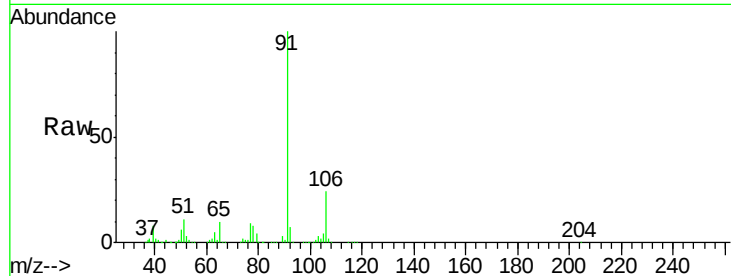
MGP202-38-40

Tot Ion: 91 Resp: 194219

Ion Ratio Lower Upper

91 100

106 24.0 20.2 30.2



#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

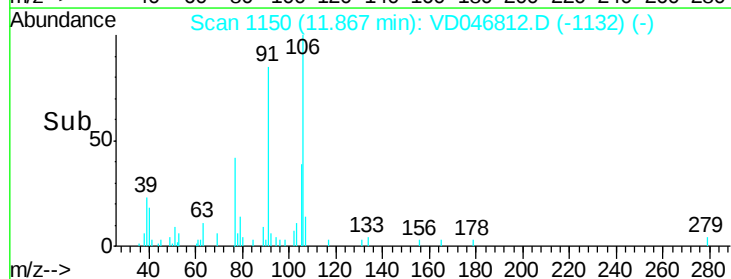
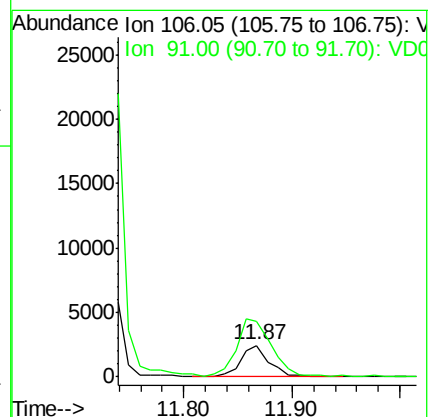
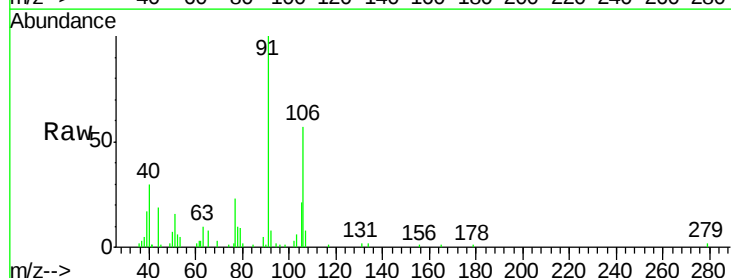
Acq: 21 Sep 2015 17:32

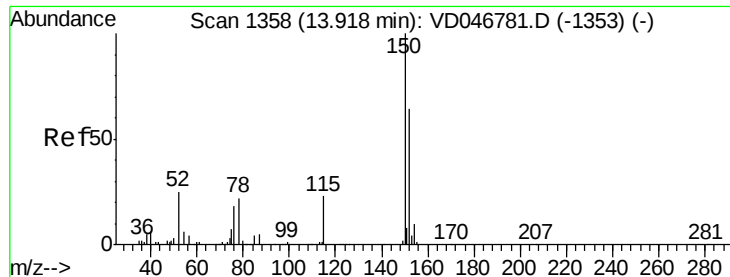
Tgt Ion: 106 Resp: 4595

Ion Ratio Lower Upper

106 100

91 176.3 187.9 281.9#





#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

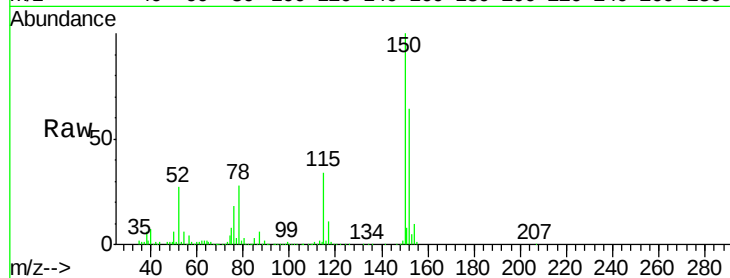
Tot Ion:152 Resp: 120346

Ion Ratio Lower Upper

152 100

115 53.1 26.2 78.6

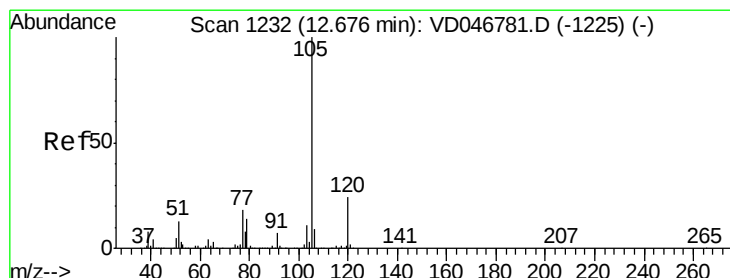
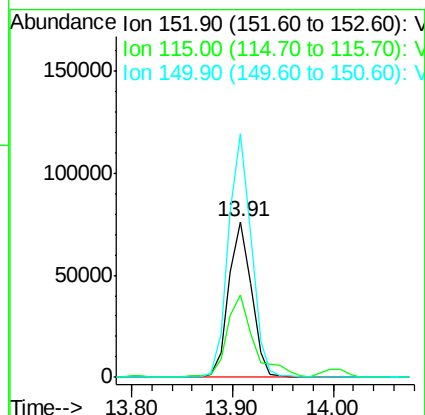
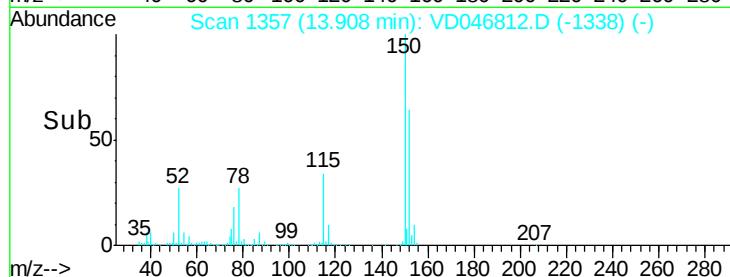
150 156.3 0.0 311.8



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

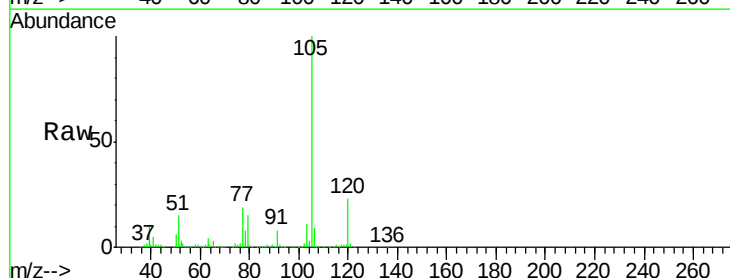
Acq: 21 Sep 2015 17:32

Tgt Ion:105 Resp: 312431

Ion Ratio Lower Upper

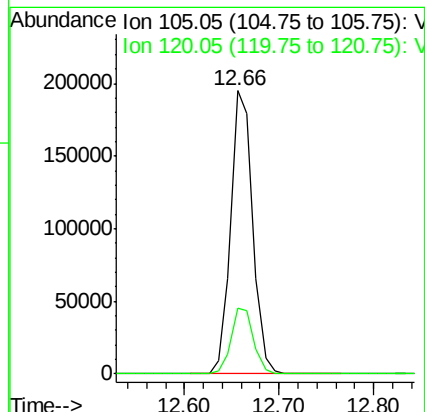
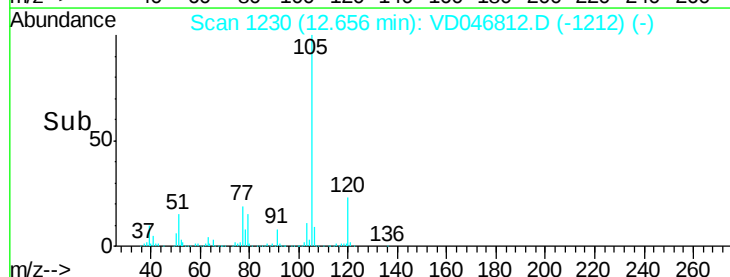
105 100

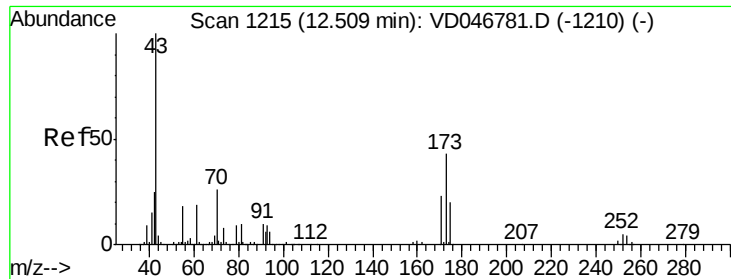
120 23.0 12.4 37.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 4.74 ug/l

RT: 12.50 min Scan# 1214

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: 43 Resp: 75

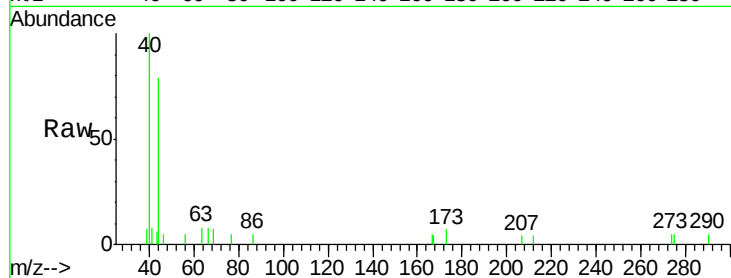
Ion Ratio Lower Upper

43 100

70 0.0 22.1 33.1#

55 0.0 14.5 21.7#

61 0.0 14.6 21.8#

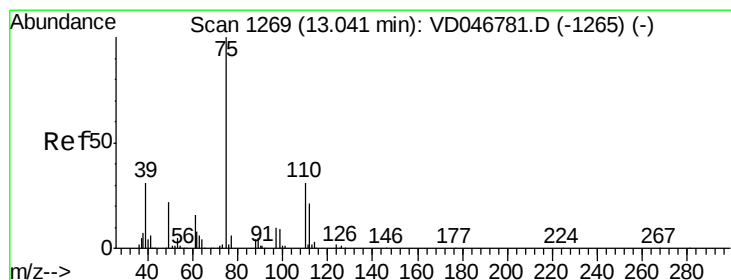
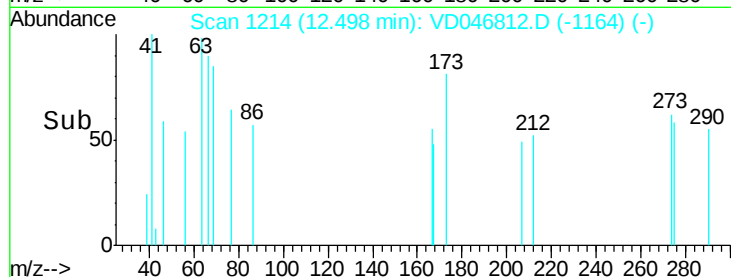
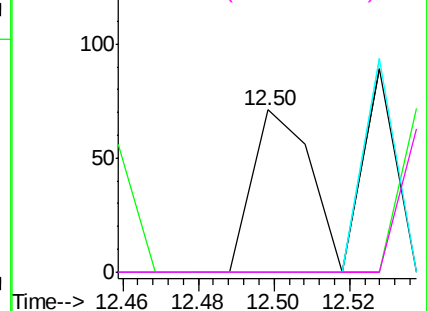


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#76

1,2,3-Trichloropropane

Concen: 1.30 ug/l

RT: 13.15 min Scan# 1280

Delta R.T. 0.11 min

Lab File: VD046812.D

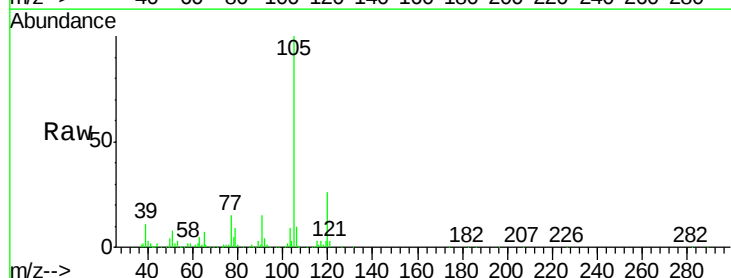
Acq: 21 Sep 2015 17:32

Tgt Ion: 75 Resp: 1911

Ion Ratio Lower Upper

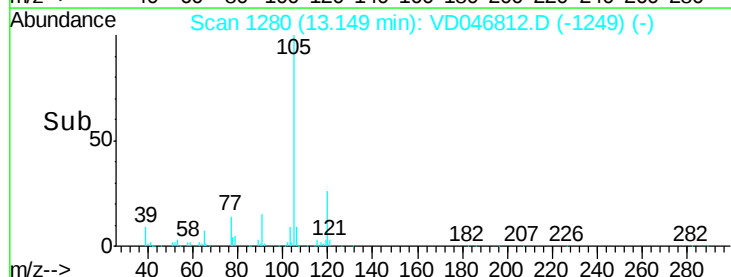
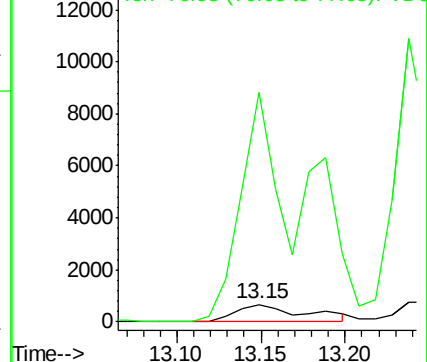
75 100

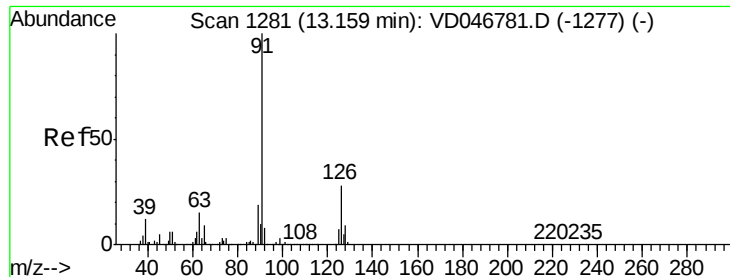
77 1338.1 16.0 48.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#79

2-Chlorotoluene

Concen: 2.17 ug/l

RT: 13.15 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleId :

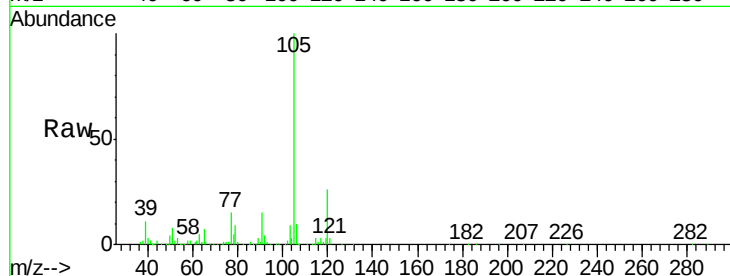
MGP202-38-40

Tot Ion: 91 Resp: 14434

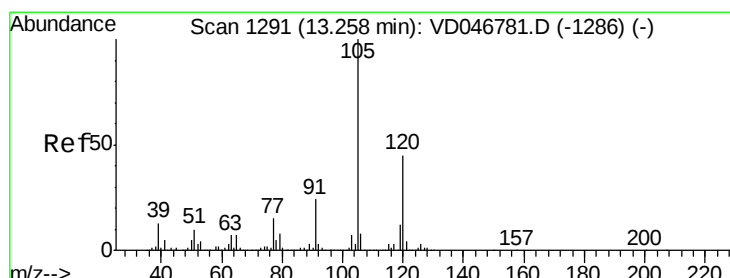
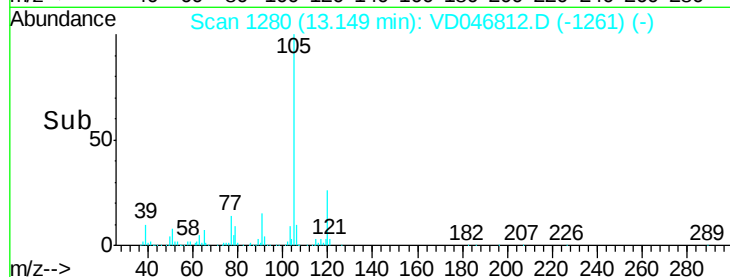
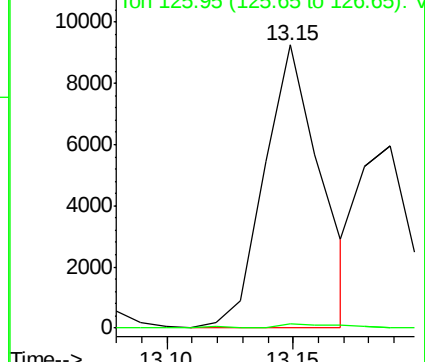
Ion Ratio Lower Upper

91 100

126 1.5 14.1 42.4#



Abundance Ion 91.00 (90.70 to 91.70): VD046781.D (-1277) (-)



#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

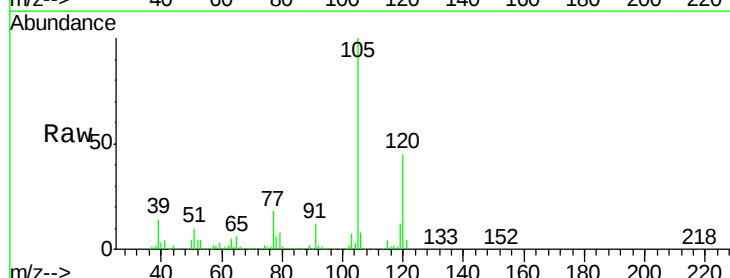
Acq: 21 Sep 2015 17:32

Tgt Ion: 105 Resp: 96832

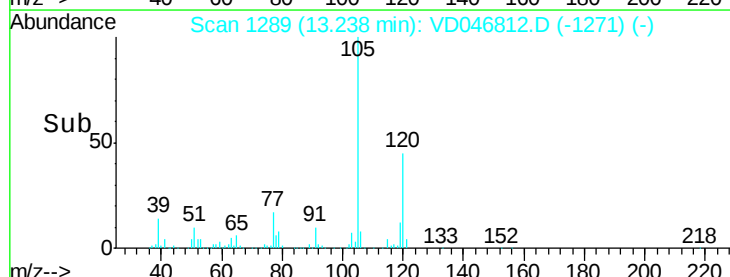
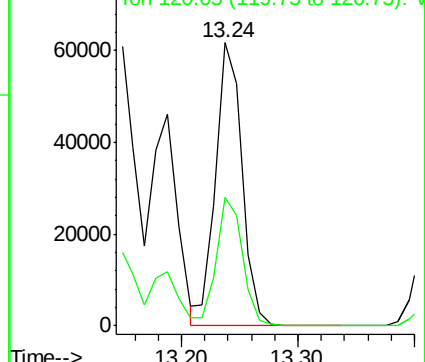
Ion Ratio Lower Upper

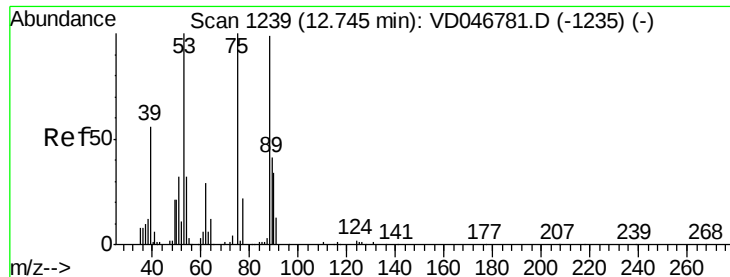
105 100

120 45.3 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): VD046781.D (-1286) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 145.09 ug/l

RT: 12.83 min Scan# 1248

Delta R.T. 0.09 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleId :

MGP202-38-40

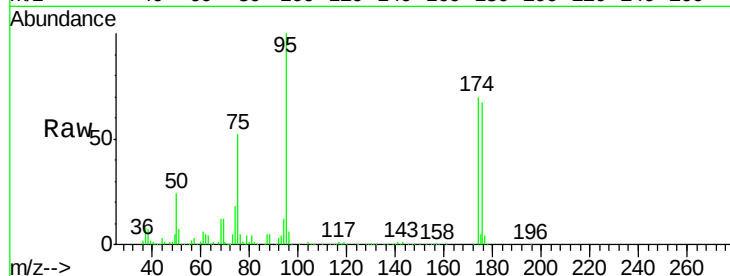
Tot Ion: 75 Resp: 61604

Ion Ratio Lower Upper

75 100

53 0.2 82.3 123.5#

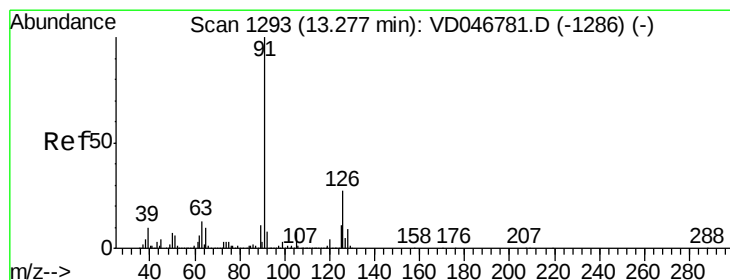
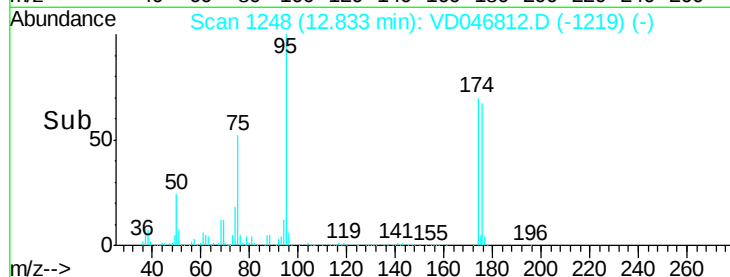
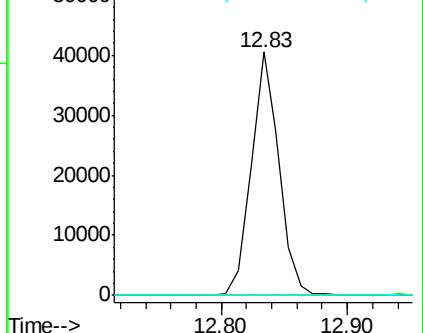
89 0.0 36.6 54.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 1.48 ug/l

RT: 13.24 min Scan# 1289

Delta R.T. -0.04 min

Lab File: VD046812.D

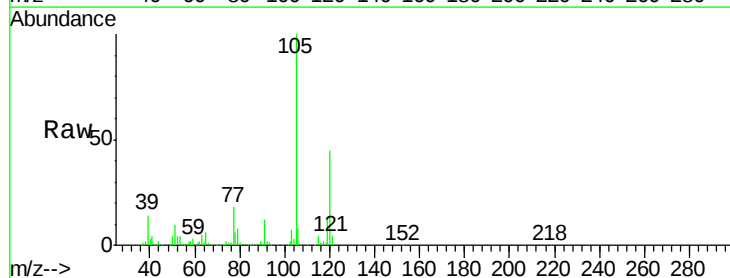
Acq: 21 Sep 2015 17:32

Tgt Ion: 91 Resp: 11683

Ion Ratio Lower Upper

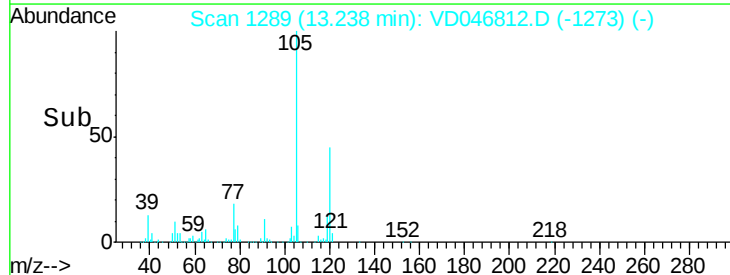
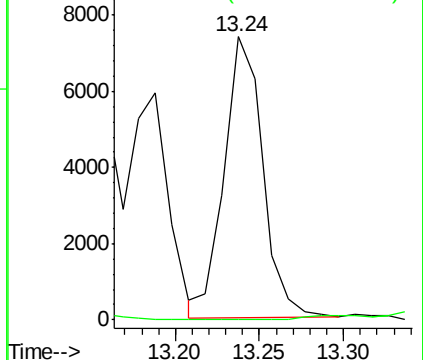
91 100

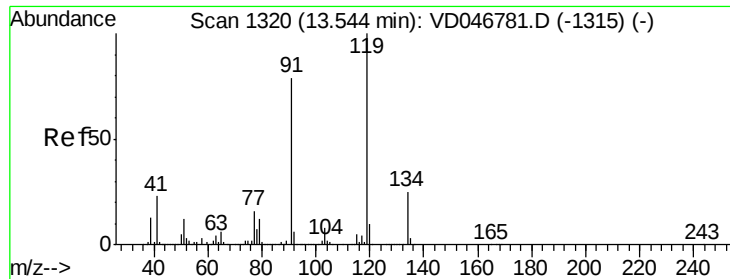
126 0.0 14.1 42.4#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

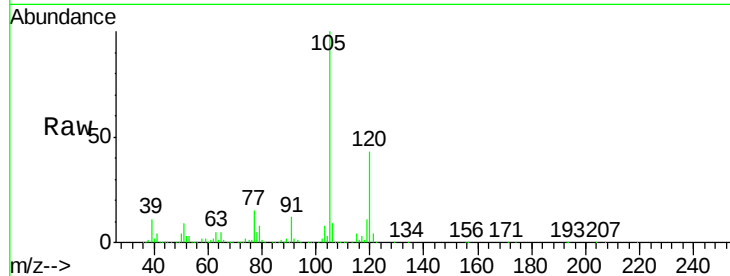




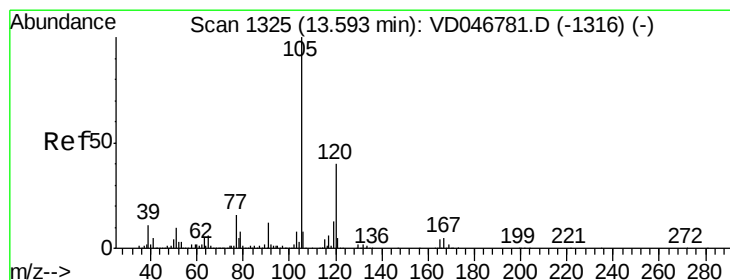
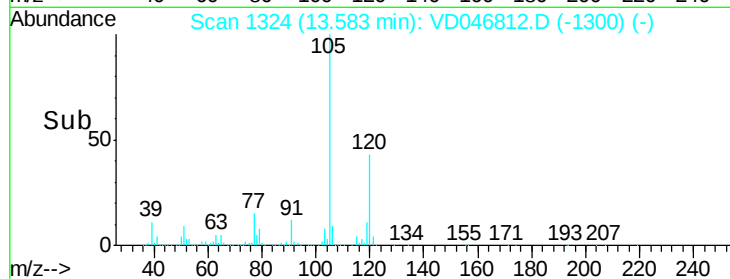
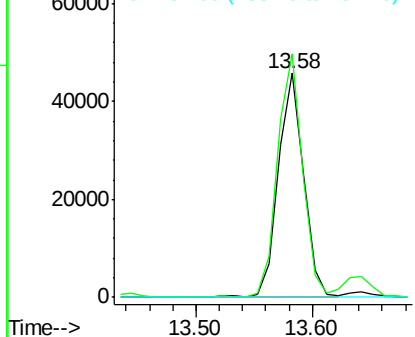
#83
 tert-Butylbenzene
 Concen: 11.31 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. 0.04 min
 Lab File: VD046812.D
 Acq: 21 Sep 2015 17:32

Instrument :
 MSVOA_D
 ClientSampleId :
 MGP202-38-40

Tot Ion:119 Resp: 68958
 Ion Ratio Lower Upper
 119 100
 91 108.7 41.6 124.9
 134 0.2 12.4 37.4#

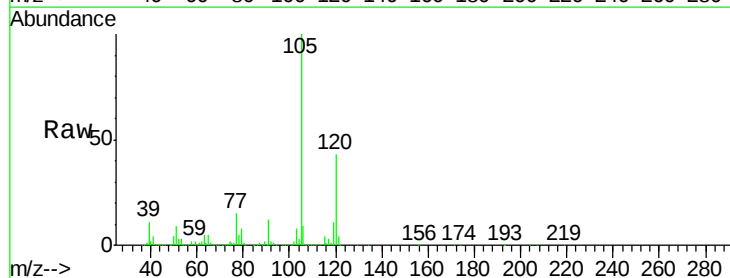


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

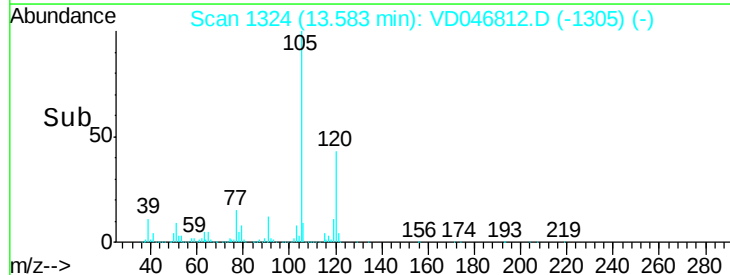
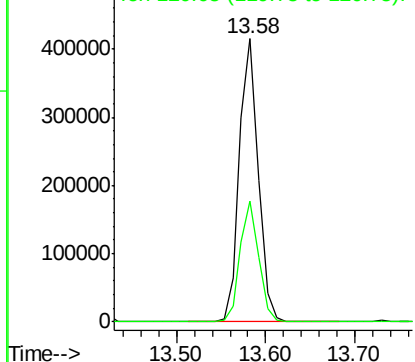


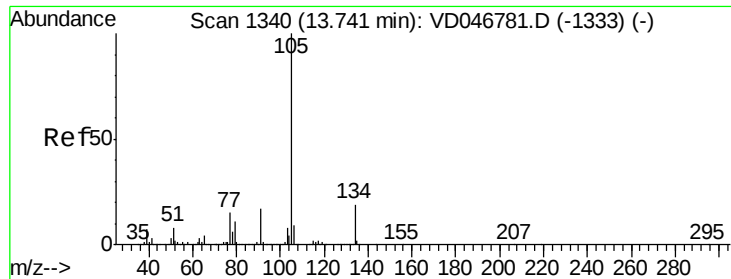
#84
 1,2,4-Trimethylbenzene
 Concen: 90.47 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD046812.D
 Acq: 21 Sep 2015 17:32

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





#85

sec-Butylbenzene

Concen: 63.96 ug/l

RT: 13.58 min Scan# 1324

Delta R.T. -0.16 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleId :

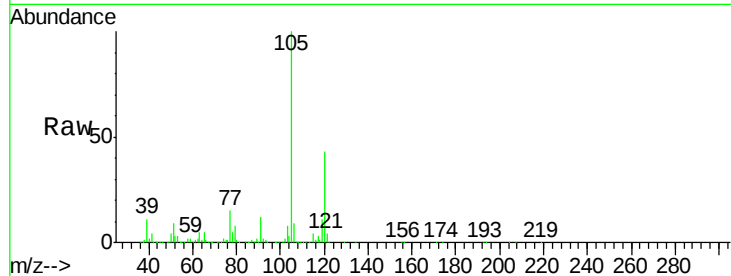
MGP202-38-40

Tot Ion:105 Resp: 573064

Ion Ratio Lower Upper

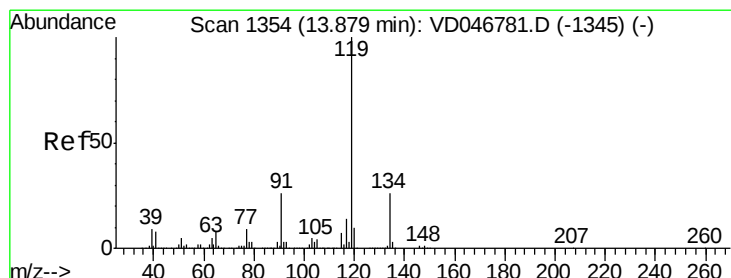
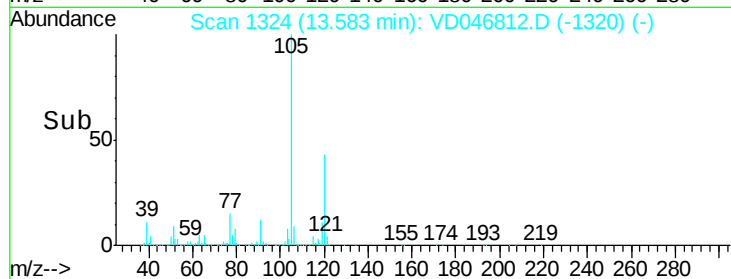
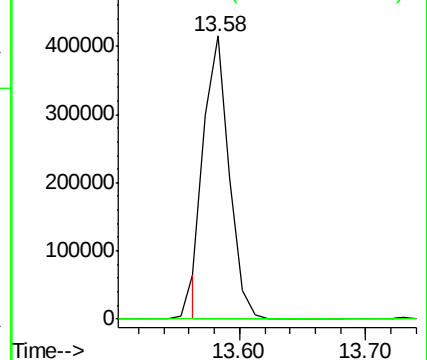
105 100

134 0.0 10.1 30.3#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): 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

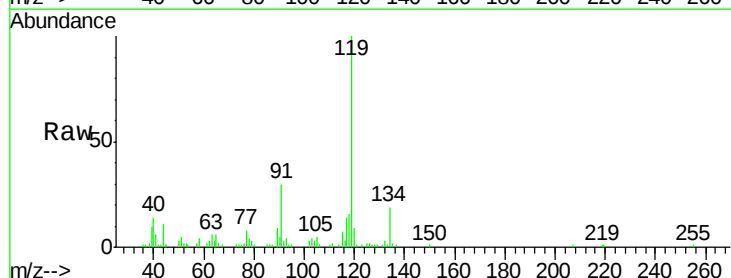
Tgt Ion:119 Resp: 15701

Ion Ratio Lower Upper

119 100

134 19.2 13.0 38.9

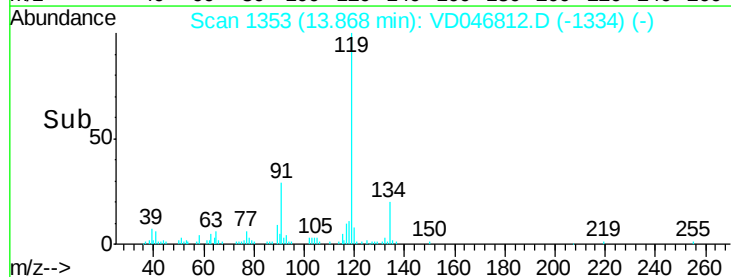
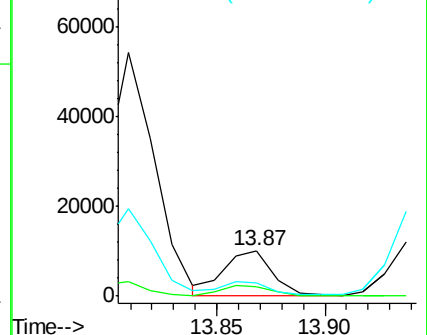
91 30.4 13.8 41.3

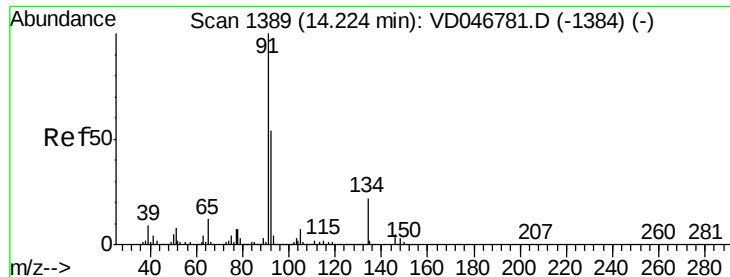


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 263.30 ug/l

RT: 14.12 min Scan# 1379

Delta R.T. -0.10 min

Lab File: VD046812.D

Acq: 21 Sep 2015 17:32

Instrument :

MSVOA_D

ClientSampleId :

MGP202-38-40

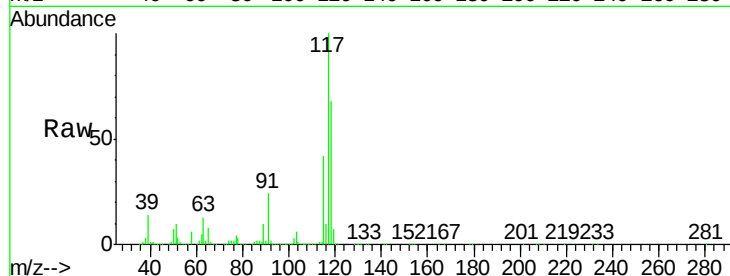
Tot Ion: 91 Resp: 2093219

Ion Ratio Lower Upper

91 100

92 10.0 27.1 81.2#

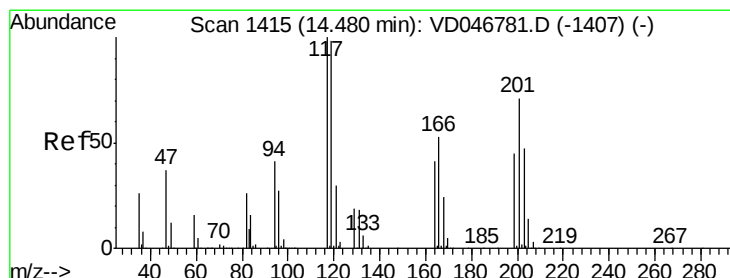
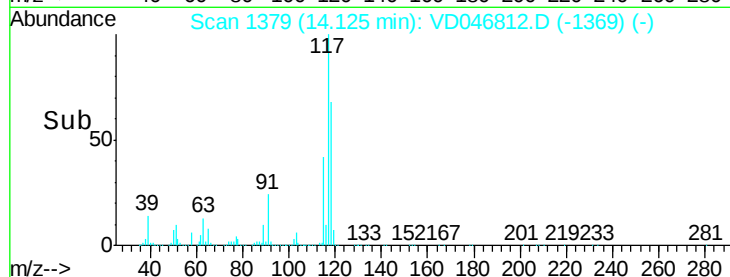
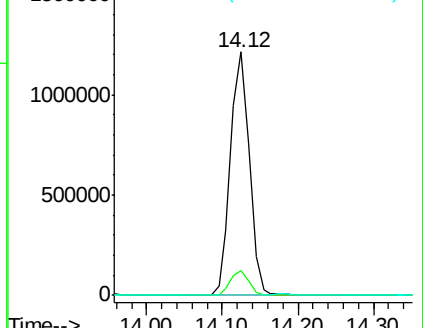
134 0.0 9.6 28.6#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 1.80 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.02 min

Lab File: VD046812.D

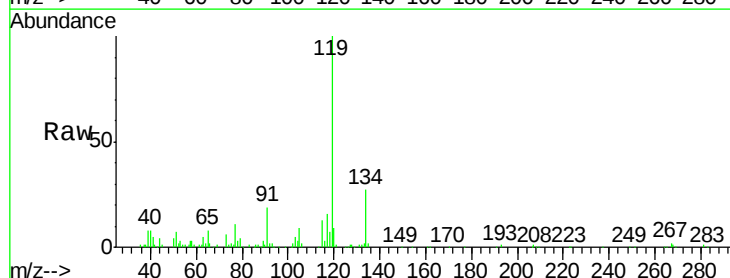
Acq: 21 Sep 2015 17:32

Tgt Ion: 117 Resp: 2946

Ion Ratio Lower Upper

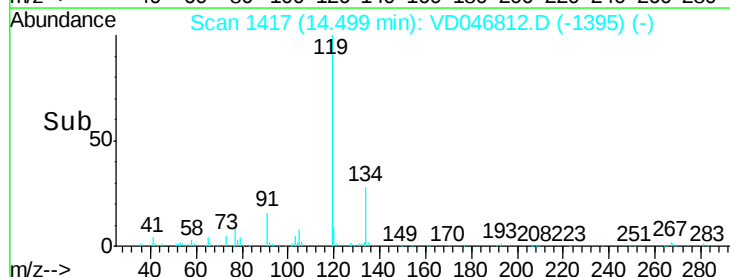
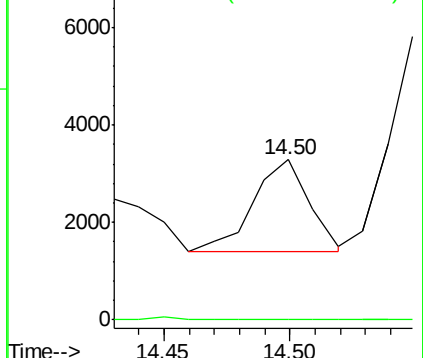
117 100

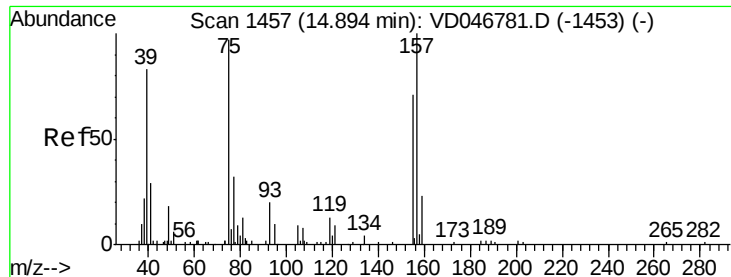
201 0.0 41.0 123.0#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

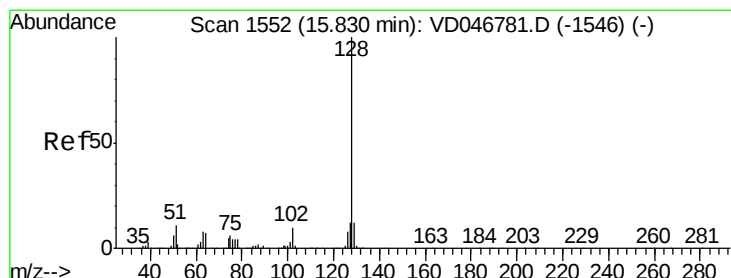
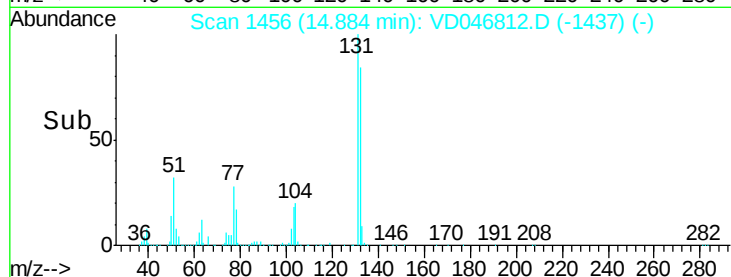
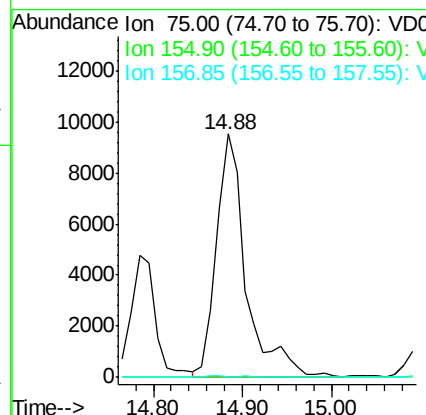
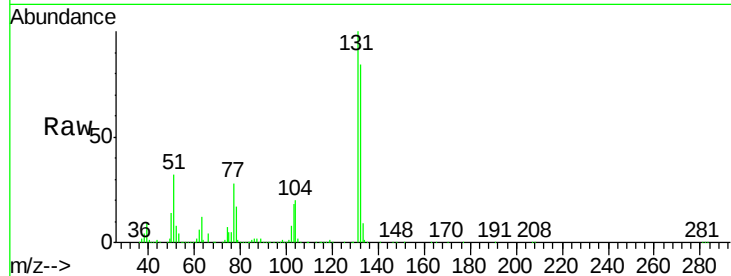




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 125.77 ug/l
 RT: 14.88 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VD046812.D
 Acq: 21 Sep 2015 17:32

Instrument :
 MSVOA_D
 ClientSampleId :
 MGP202-38-40

Tot Ion: 75 Resp: 22129
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.4 124.4#
 157 0.0 65.0 195.1#



#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

