

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046849.D
 Acq On : 23 Sep 2015 12:20
 Operator : FY/SY
 Sample : VD0923SBL01
 Misc : 5.00gm/5mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBL01

Quant Time: Sep 24 01:43:41 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	151060	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.41	114	207686	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.56	117	196189	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.90	152	99236	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.70	65	92262	58.74	ug/l	-0.02
Spiked Amount			Recovery	=	117.48%	
35) Dibromofluoromethane	6.19	113	80132	49.31	ug/l	-0.03
Spiked Amount			Recovery	=	98.62%	
50) Toluene-d8	9.60	98	241955	47.20	ug/l	-0.03
Spiked Amount			Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.84	95	95179	46.11	ug/l	-0.02
Spiked Amount			Recovery	=	92.22%	

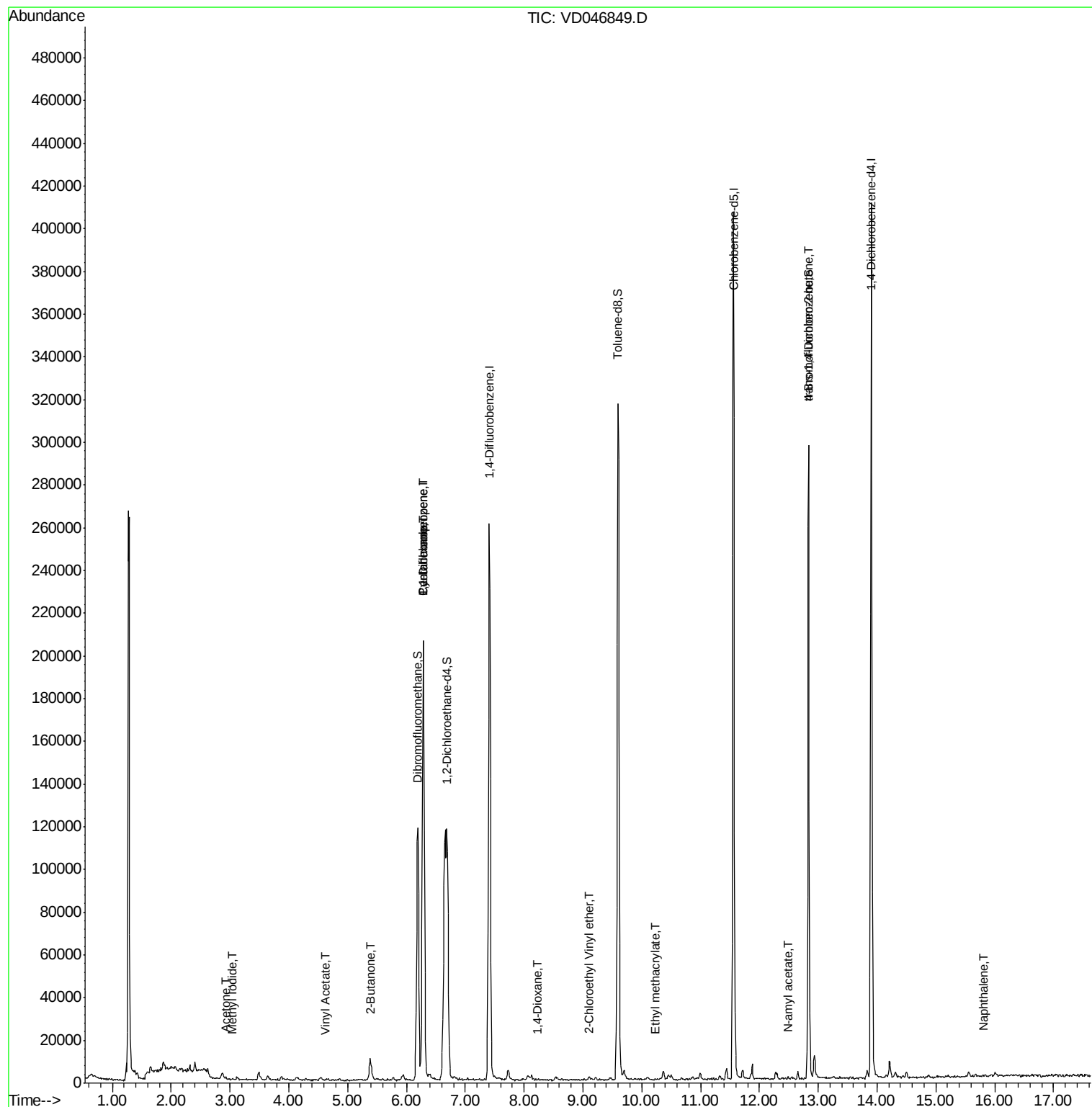
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.41	85	863	Below Cal		83
3) Chlorodifluoromethane	1.43	51	658	Below Cal	#	72
6) Bromomethane	1.99	94	452	Below Cal	#	47
11) Methyl Iodide	3.03	142	306	1.90	ug/l	# 82
12) Tert butyl alcohol	3.64	59	1318	Below Cal	#	74
17) Acetone	2.94	43	1331	5.02	ug/l	98
24) Vinyl Acetate	4.61	43	66	15.06	ug/l	# 82
26) 2-Butanone	5.40	43	759	2.54	ug/l	# 61
31) Cyclohexane	6.28	56	4825	2.05	ug/l	# 14
36) 1,1-Dichloropropene	6.28	75	14262	5.88	ug/l	# 54
49) 1,4-Dioxane	8.22	88	33	5.68	ug/l	# 20
56) Ethyl methacrylate	10.22	69	153	4.01	ug/l	# 11
58) 2-Chloroethyl Vinyl ether	9.09	63	46	6.42	ug/l	# 53
74) N-amyl acetate	12.48	43	124	4.78	ug/l	# 54
81) trans-1,4-Dichloro-2-buten	12.84	75	49795	142.30	ug/l	# 9
95) Naphthalene	15.82	128	708	2.70	ug/l	# 86

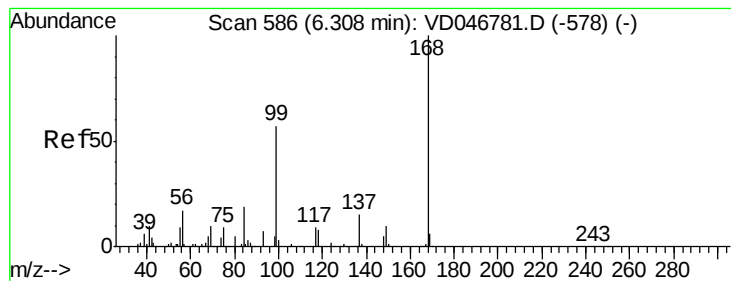
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046849.D

Acq: 23 Sep 2015 12:20

Instrument :

MSVOA_D

ClientSampleId :

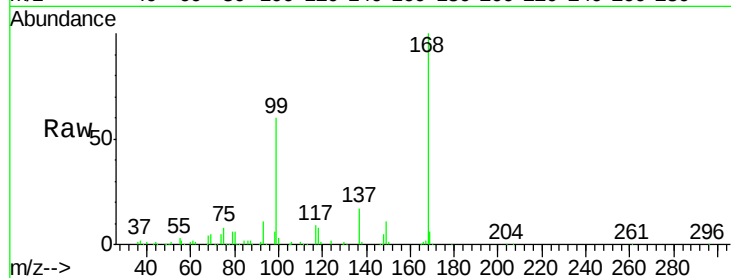
VD0923SBL01

Tot Ion:168 Resp: 151060

Ion Ratio Lower Upper

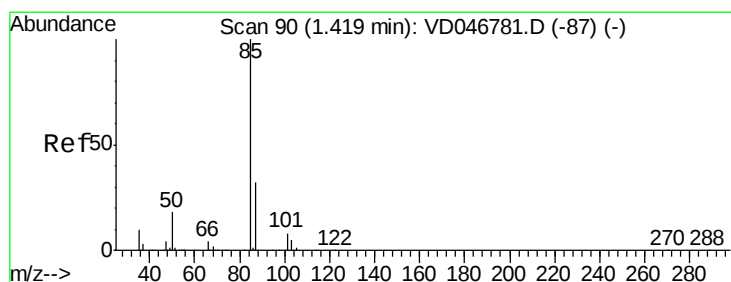
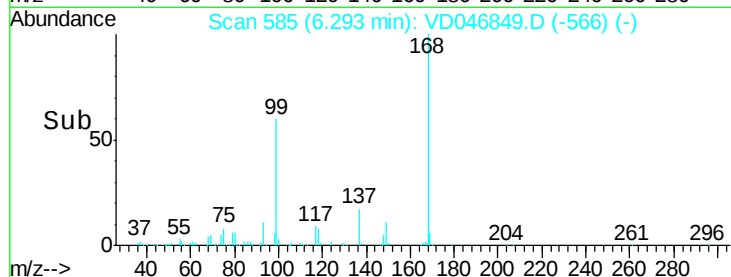
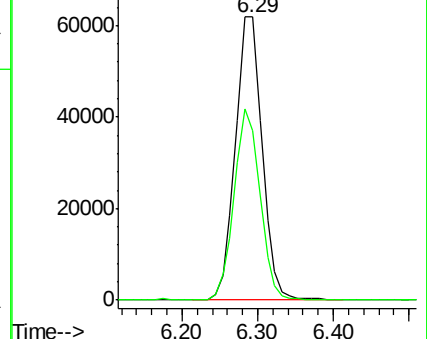
168 100

99 60.1 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.41 min Scan# 90

Delta R.T. -0.01 min

Lab File: VD046849.D

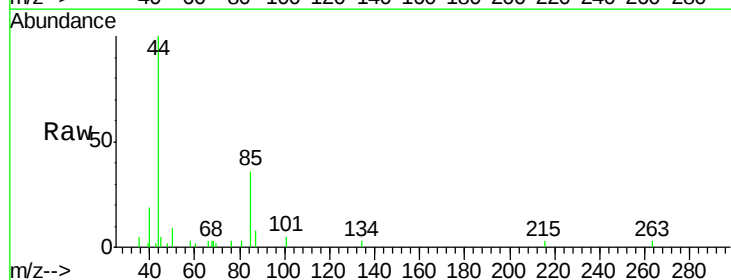
Acq: 23 Sep 2015 12:20

Tgt Ion: 85 Resp: 863

Ion Ratio Lower Upper

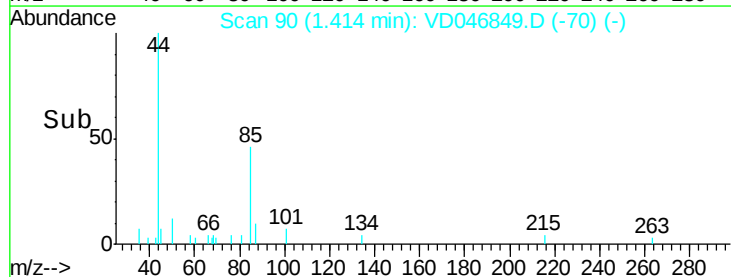
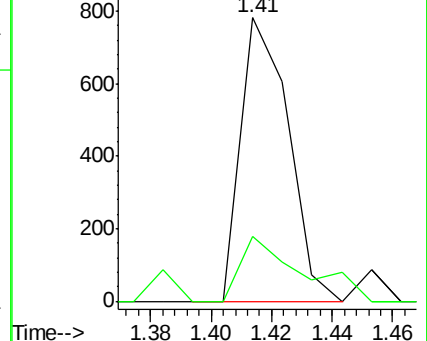
85 100

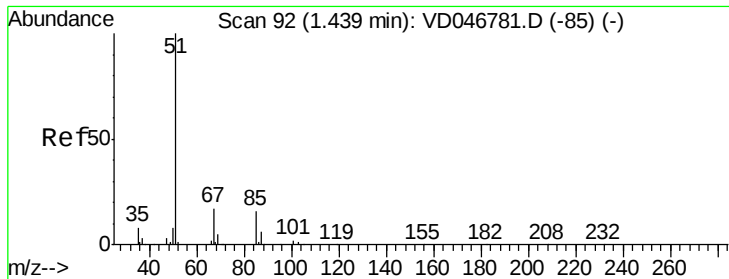
87 22.6 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: Below Cal

RT: 1.43 min Scan# 92

Delta R.T. -0.00 min

Lab File: VD046849.D

Acq: 23 Sep 2015 12:20

Instrument :

MSVOA_D

ClientSampleId :

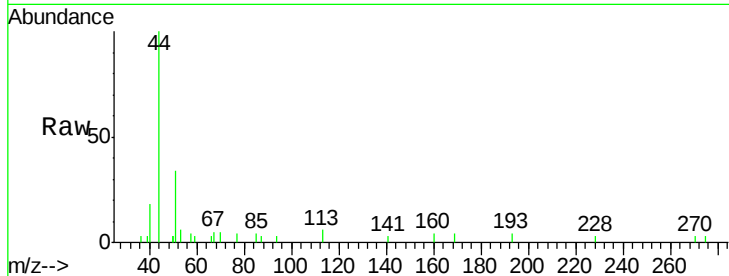
VD0923SBL01

Tot Ion: 51 Resp: 658

Ion Ratio Lower Upper

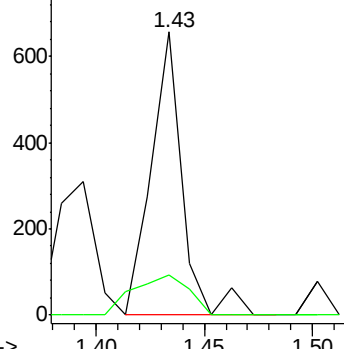
51 100

67 25.1 10.9 16.3#

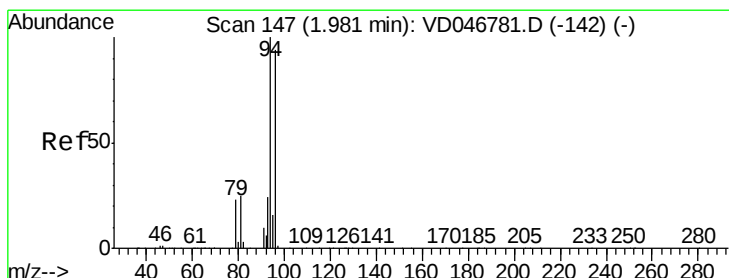
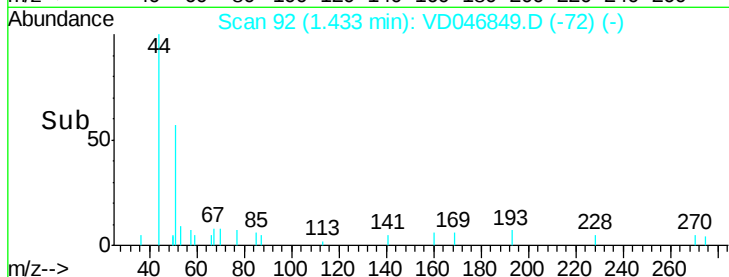


Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



Time-->



#6

Bromomethane

Concen: Below Cal

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VD046849.D

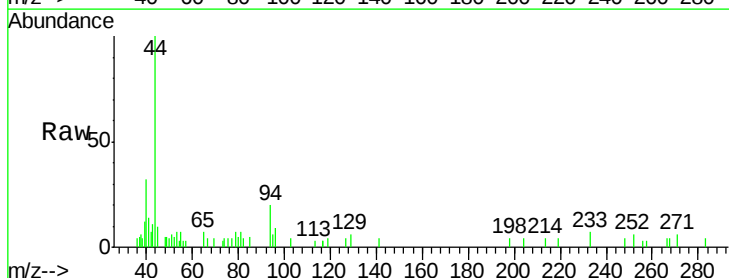
Acq: 23 Sep 2015 12:20

Tgt Ion: 94 Resp: 452

Ion Ratio Lower Upper

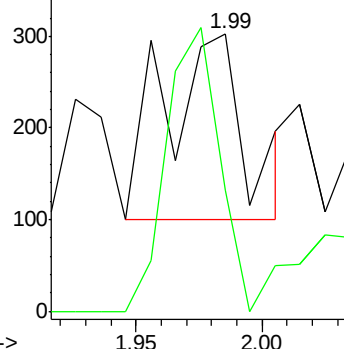
94 100

96 43.6 76.0 114.0#

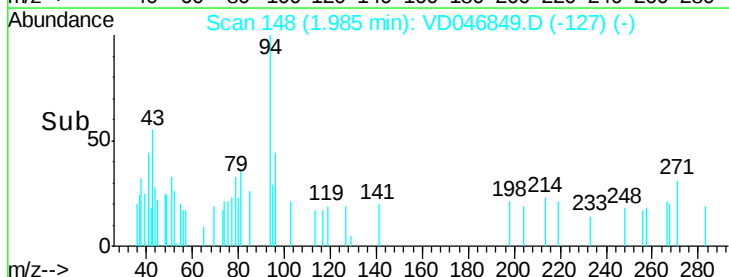


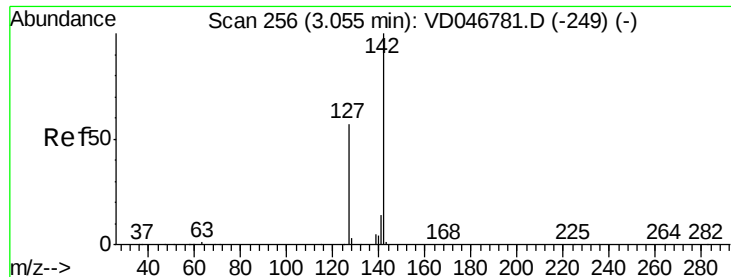
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->

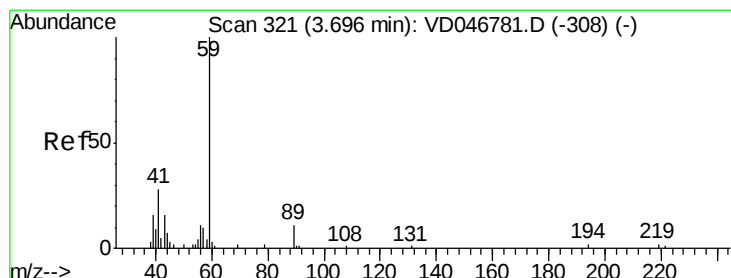
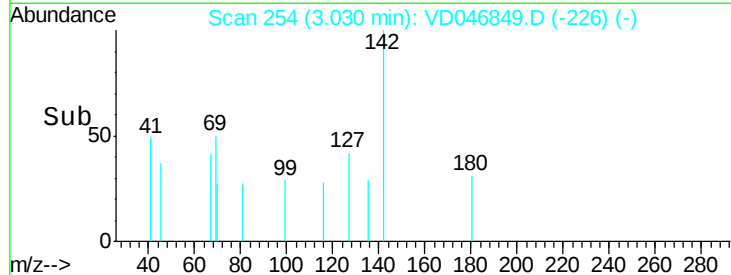
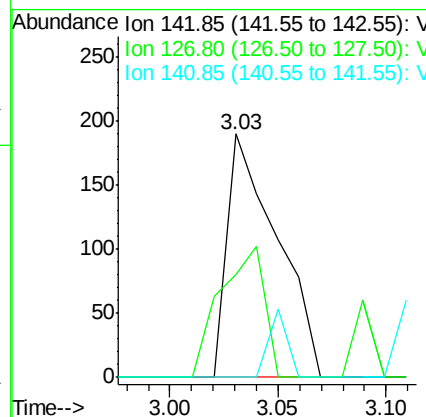
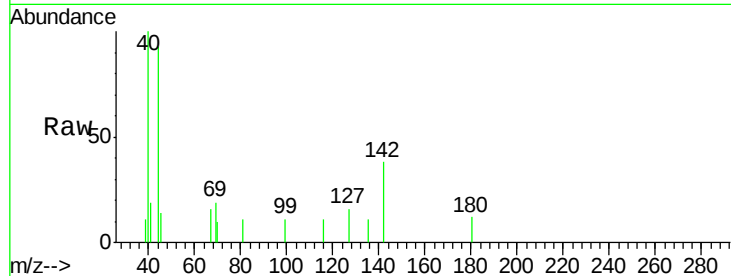




#11
Methvl Iodide
Concen: 1.90 ua/l
RT: 3.03 min Scan# 254
Delta R.T. -0.02 min
Lab File: VD046849.D
Acq: 23 Sep 2015 12:20

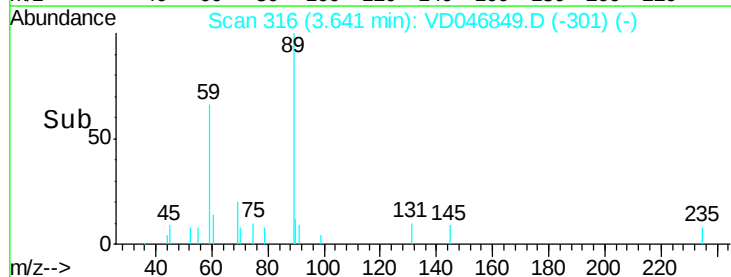
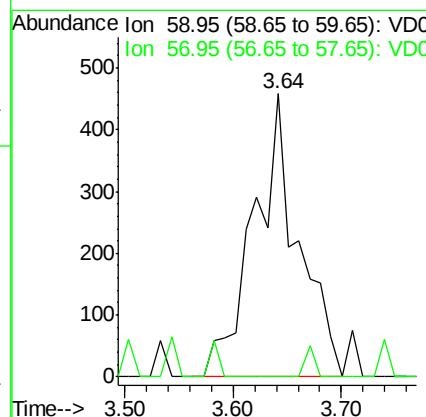
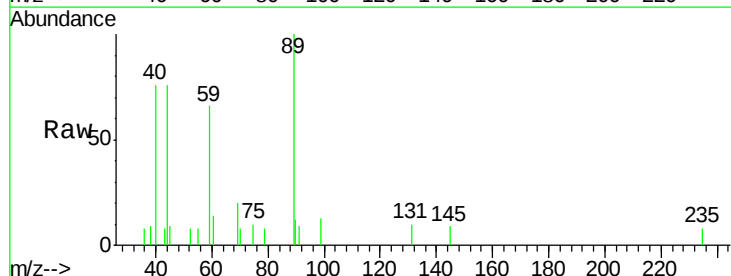
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBL01

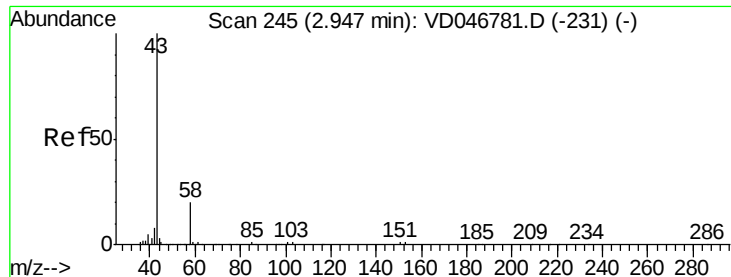
Tot Ion	Ratio	Lower	Upper
142	100		
127	42.1	41.2	61.8
141	0.0	11.6	17.4#



#12
Tert butyl alcohol
Concen: Below Cal
RT: 3.64 min Scan# 316
Delta R.T. -0.05 min
Lab File: VD046849.D
Acq: 23 Sep 2015 12:20

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





#17

Acetone

Concen: 5.02 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.01 min

Lab File: VD046849.D

Acq: 23 Sep 2015 12:20

Instrument :

MSVOA_D

ClientSampleId :

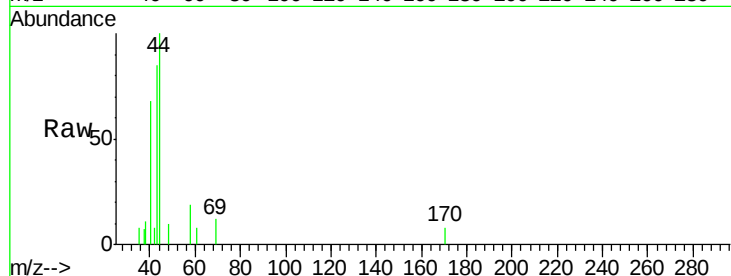
VD0923SBL01

Tot Ion: 43 Resp: 1331

Ion Ratio Lower Upper

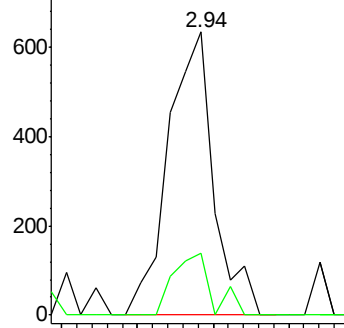
43 100

58 21.8 16.6 24.8

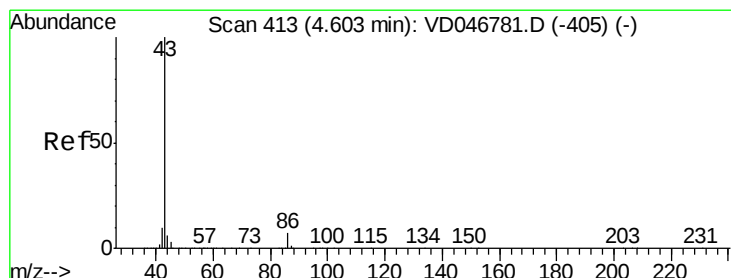
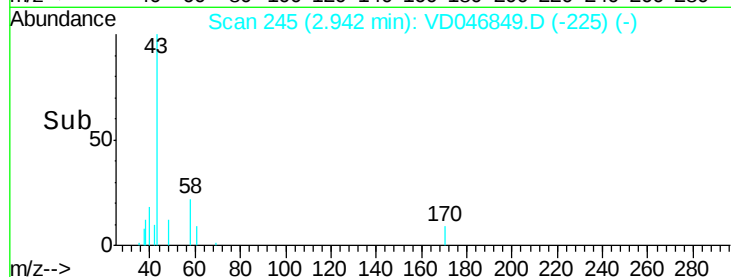


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#24

Vinyl Acetate

Concen: 15.06 ug/l

RT: 4.61 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD046849.D

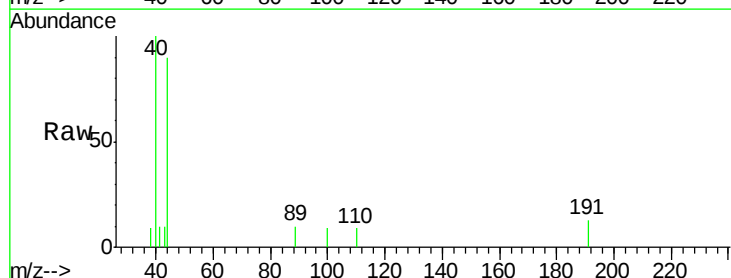
Acq: 23 Sep 2015 12:20

Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

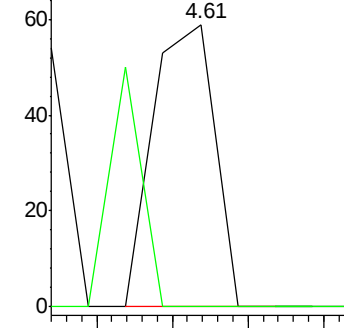
43 100

86 0.0 4.9 7.3#

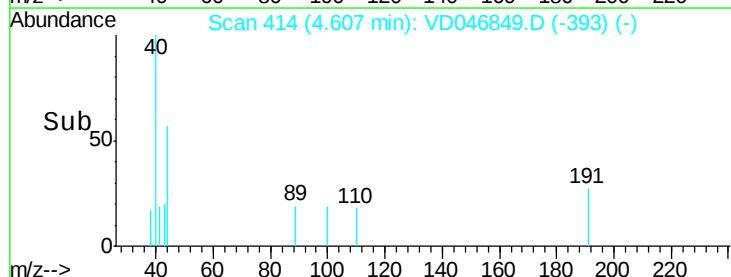


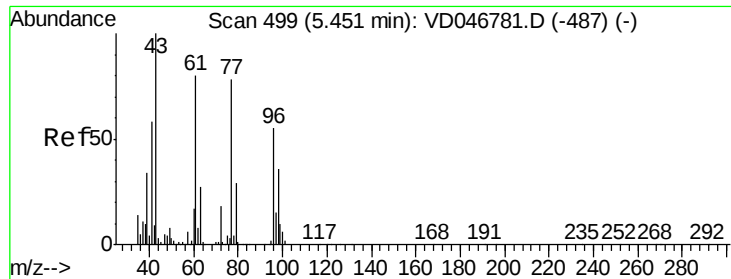
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->

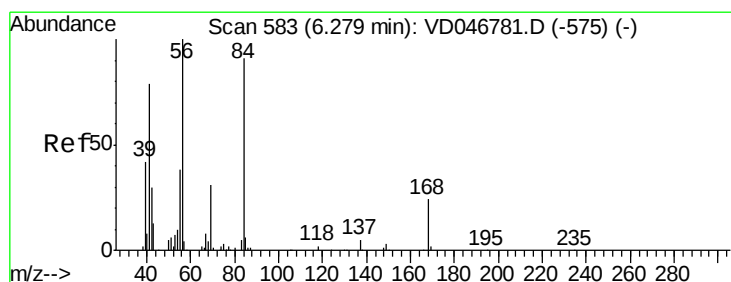
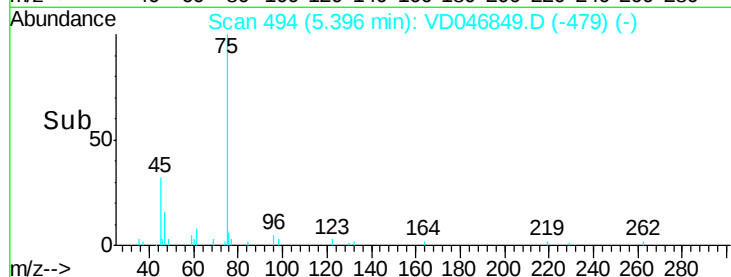
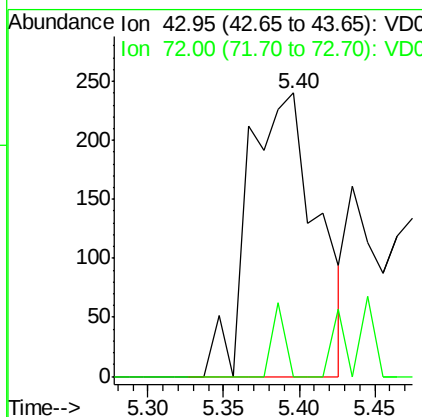
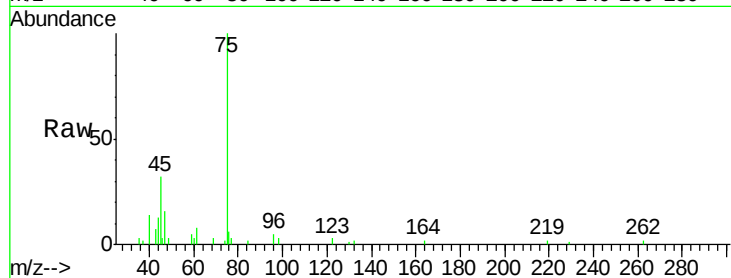




#26
2-Butanone
Concen: 2.54 ug/l
RT: 5.40 min Scan# 494
Delta R.T. -0.05 min
Lab File: VD046849.D
Acq: 23 Sep 2015 12:20

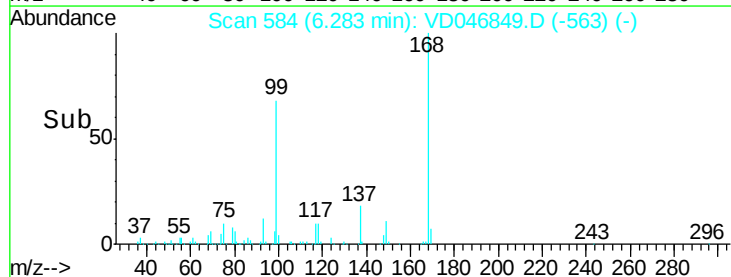
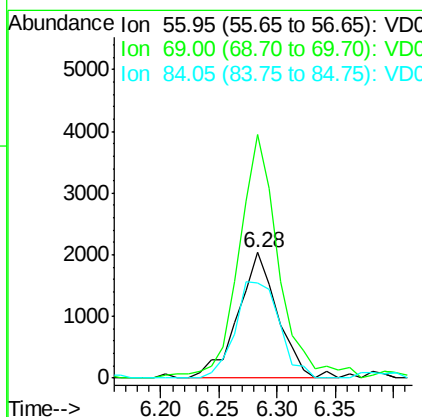
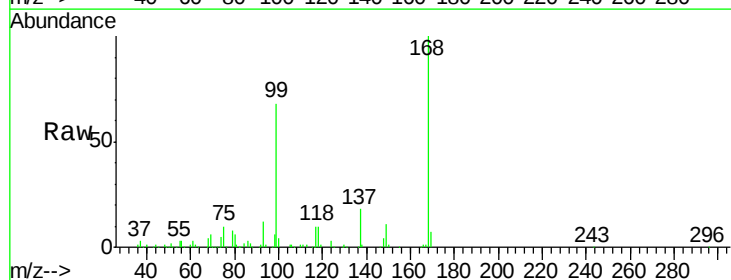
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBL01

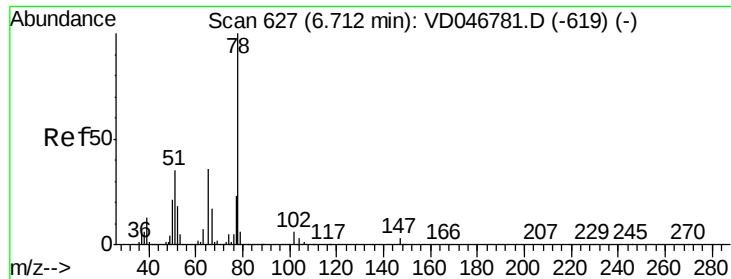
Tot Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
72 0.0 13.4 20.0#



#31
Cyclohexane
Concen: 2.05 ug/l
RT: 6.28 min Scan# 584
Delta R.T. 0.00 min
Lab File: VD046849.D
Acq: 23 Sep 2015 12:20

Tgt Ion: 56 Resp: 4825
Ion Ratio Lower Upper
56 100
69 193.6 23.4 35.0#
84 75.6 63.8 95.8

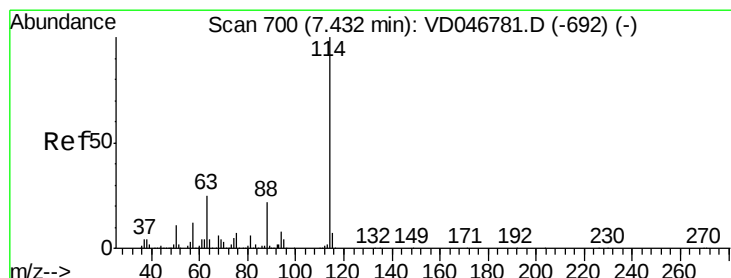
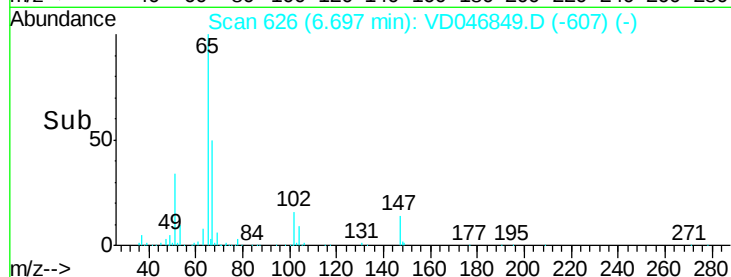
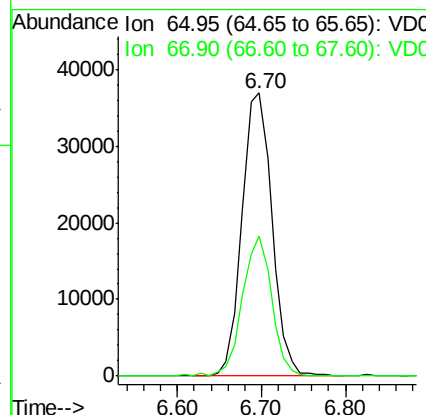
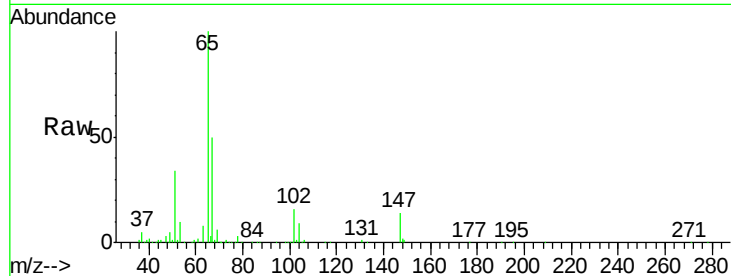




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: VD046849.D
 Acq: 23 Sep 2015 12:20

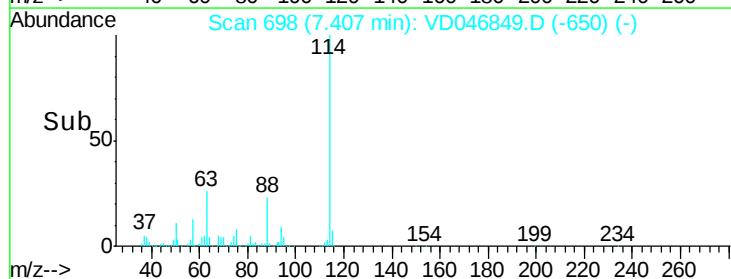
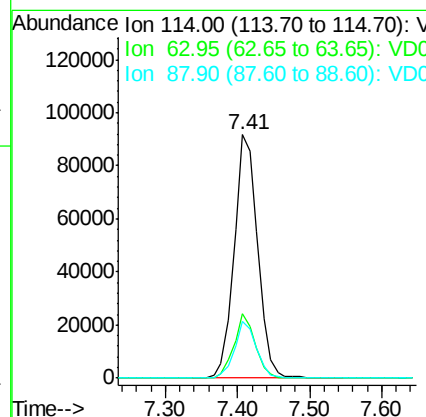
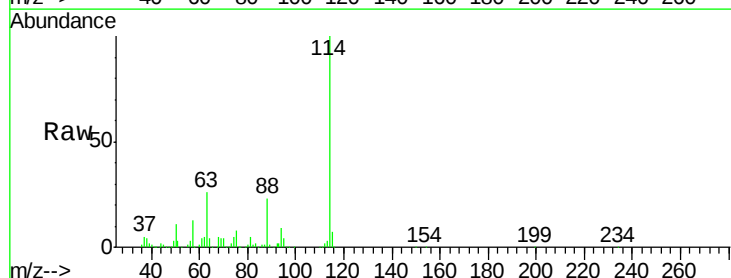
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBL01

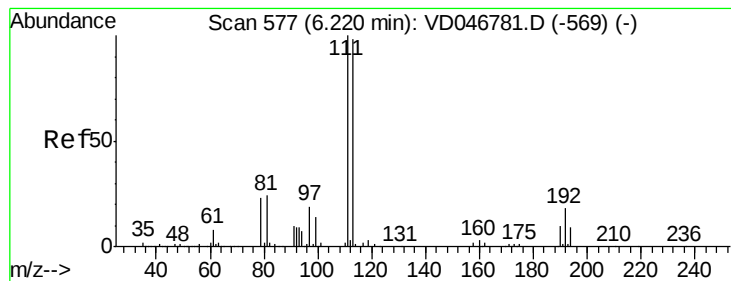
Tot Ion: 65 Resp: 92262
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.41 min Scan# 698
 Delta R.T. -0.03 min
 Lab File: VD046849.D
 Acq: 23 Sep 2015 12:20

Tgt Ion:114 Resp: 207686
 Ion Ratio Lower Upper
 114 100
 63 26.4 0.0 49.8
 88 23.3 0.0 43.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.19 min Scan# 575

Delta R.T. -0.03 min

Lab File: VD046849.D

Acq: 23 Sep 2015 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBL01

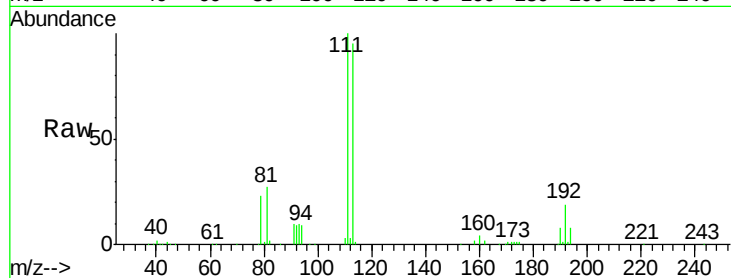
Tot Ion:113 Resp: 80132

Ion Ratio Lower Upper

113 100

111 105.2 79.4 119.0

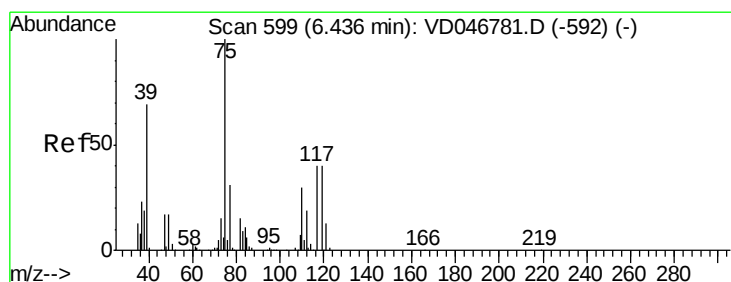
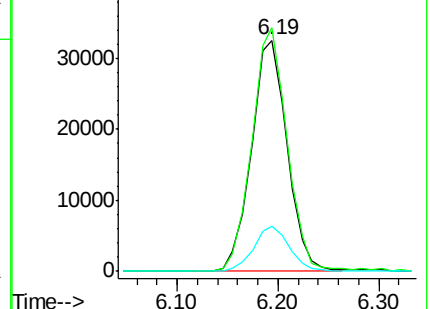
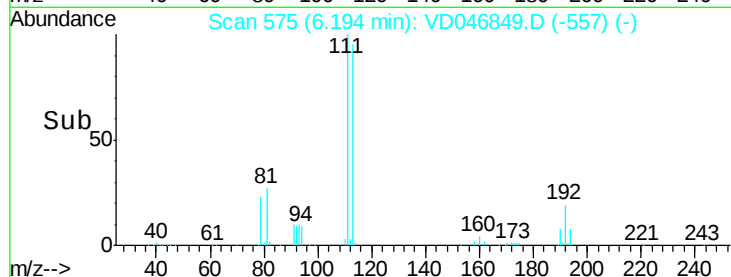
192 19.5 14.6 22.0



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



#36

1,1-Dichloropropene

Concen: 5.88 ug/l

RT: 6.28 min Scan# 584

Delta R.T. -0.15 min

Lab File: VD046849.D

Acq: 23 Sep 2015 12:20

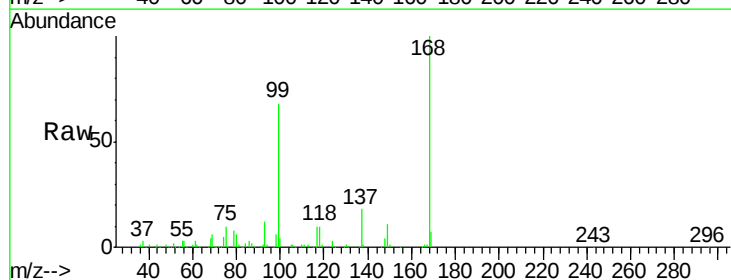
Tgt Ion: 75 Resp: 14262

Ion Ratio Lower Upper

75 100

110 9.4 13.7 41.0#

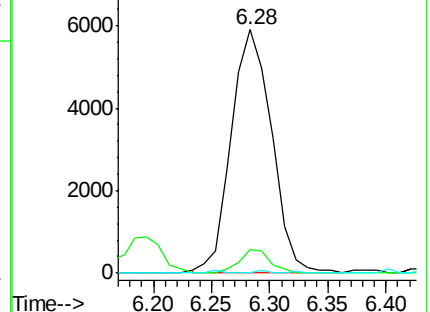
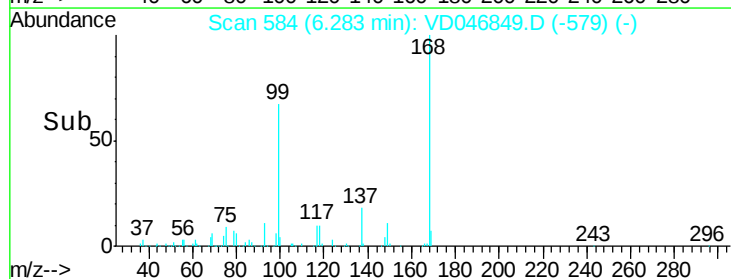
77 0.0 24.7 37.1#

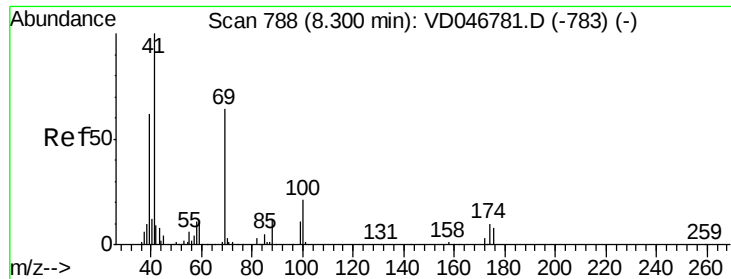


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#49

1,4-Dioxane

Concen: 5.68 ug/l

RT: 8.22 min Scan# 780

Delta R.T. -0.08 min

Lab File: VD046849.D

Acq: 23 Sep 2015 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBL01

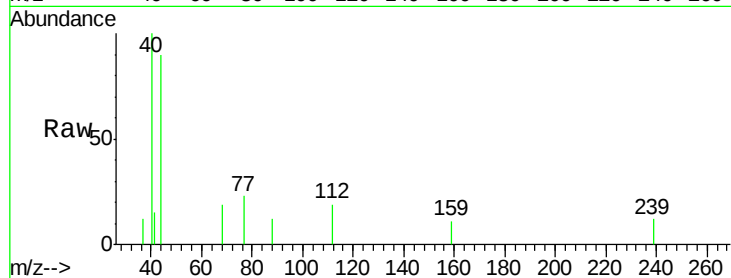
Tot Ion: 88 Resp: 33

Ion Ratio Lower Upper

88 100

43 0.0 50.0 75.0#

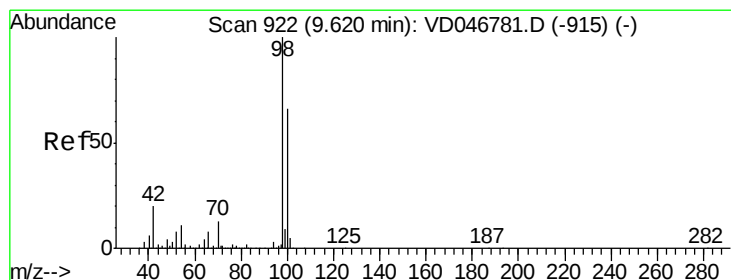
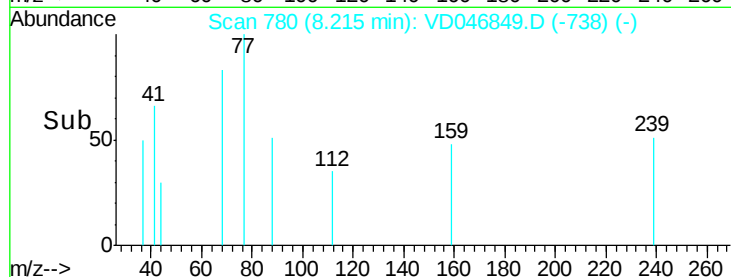
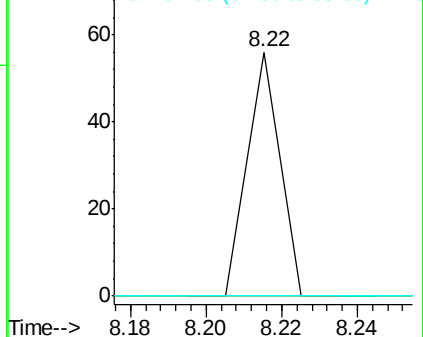
58 0.0 48.3 72.5#



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: 5.68 ug/l

RT: 9.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: VD046849.D

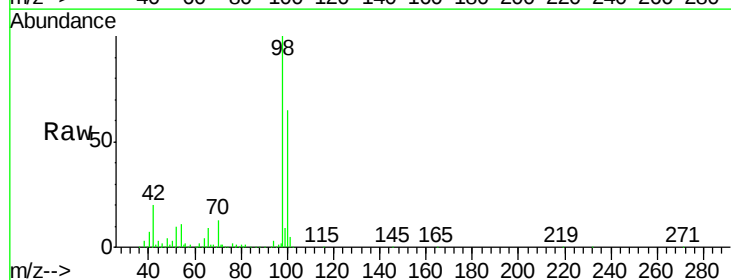
Acq: 23 Sep 2015 12:20

Tgt Ion: 98 Resp: 241955

Ion Ratio Lower Upper

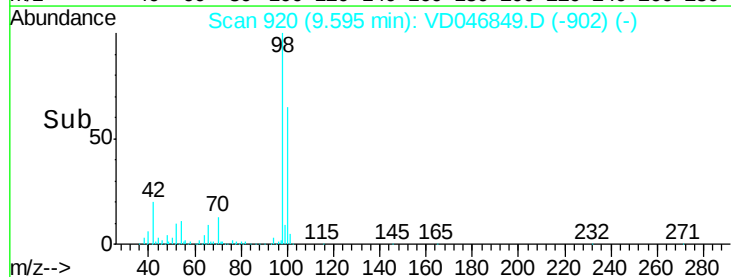
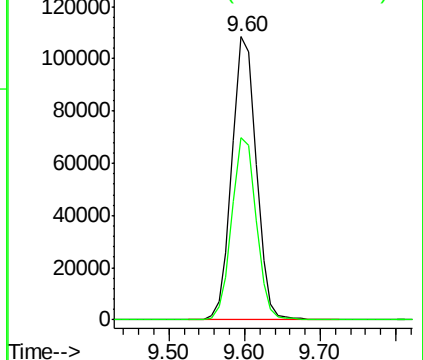
98 100

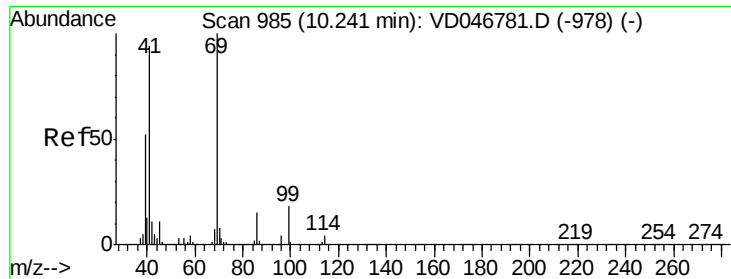
100 64.6 49.9 74.9



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#56

Ethyl methacrylate

Concen: 4.01 ug/l

RT: 10.22 min Scan# 983

Delta R.T. -0.02 min

Lab File: VD046849.D

Acq: 23 Sep 2015 12:20

Instrument :

MSVOA_D

ClientSampleID :

VD0923SBL01

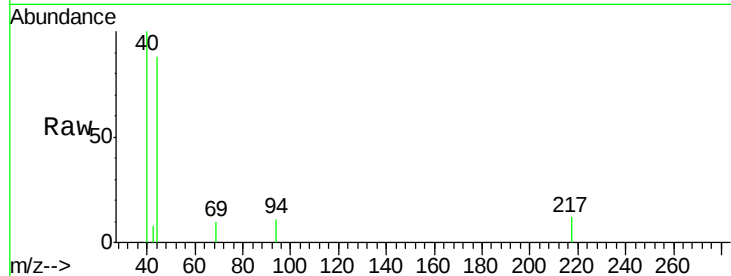
Tot Ion: 69 Resp: 153

Ion Ratio Lower Upper

69 100

41 0.0 75.4 113.0#

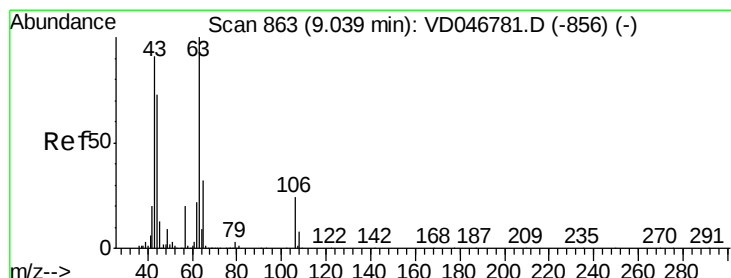
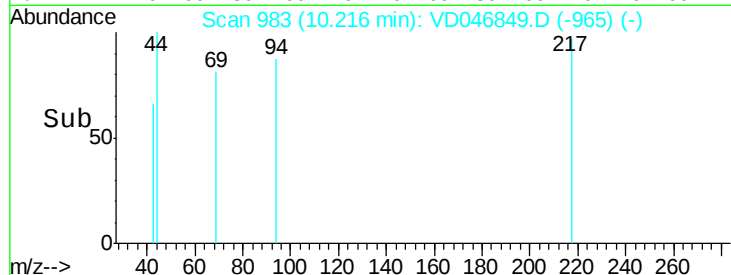
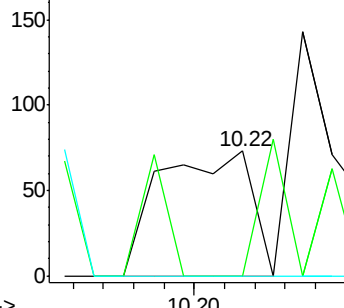
39 0.0 41.0 61.4#



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: 6.42 ug/l

RT: 9.09 min Scan# 869

Delta R.T. 0.05 min

Lab File: VD046849.D

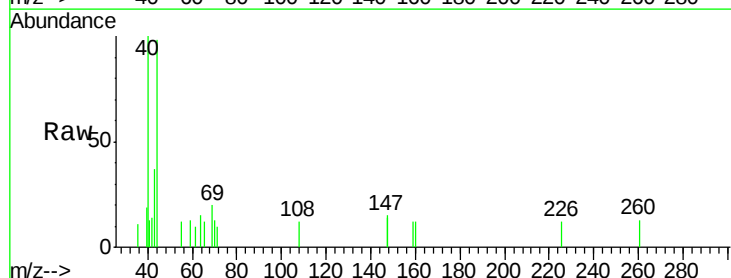
Acq: 23 Sep 2015 12:20

Tgt Ion: 63 Resp: 46

Ion Ratio Lower Upper

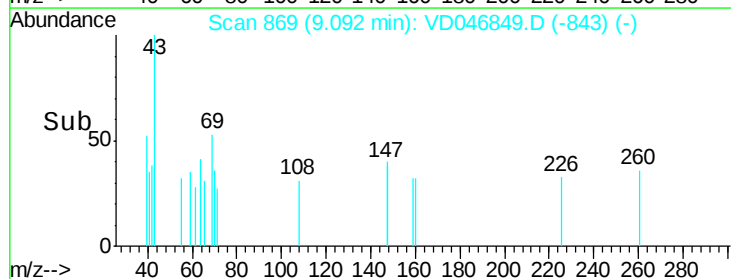
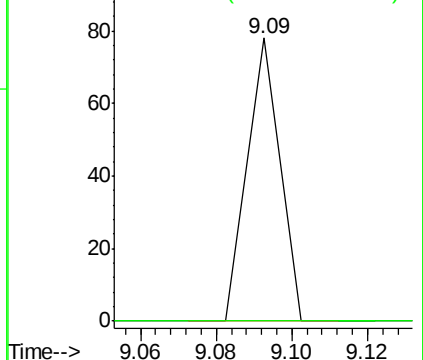
63 100

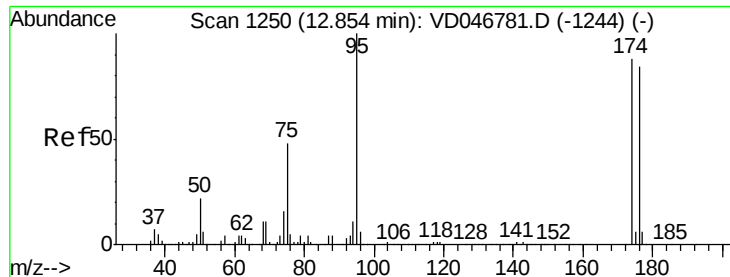
106 0.0 17.8 26.8#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.84 min Scan# 1249

Delta R.T. -0.02 min

Lab File: VD046849.D

Acq: 23 Sep 2015 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBL01

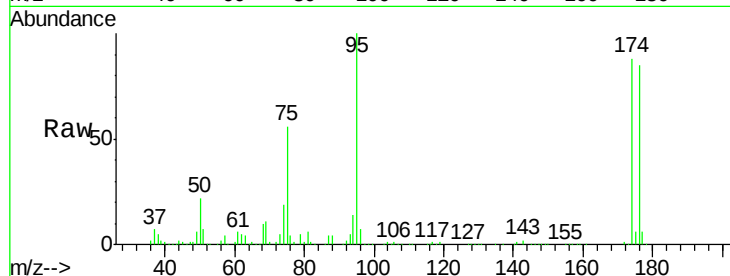
Tot Ion: 95 Resp: 95179

Ion Ratio Lower Upper

95 100

174 87.5 0.0 149.8

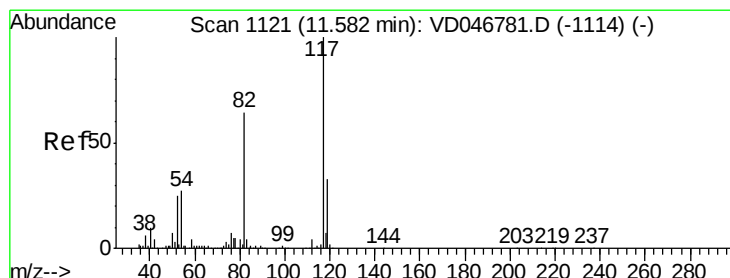
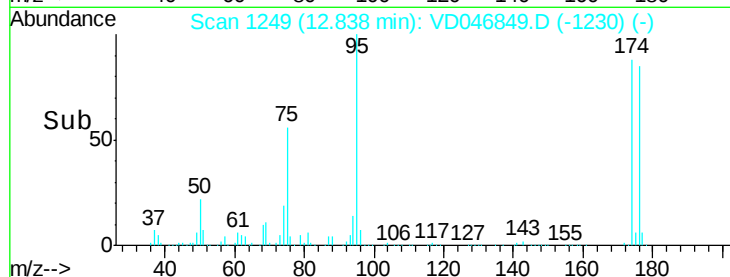
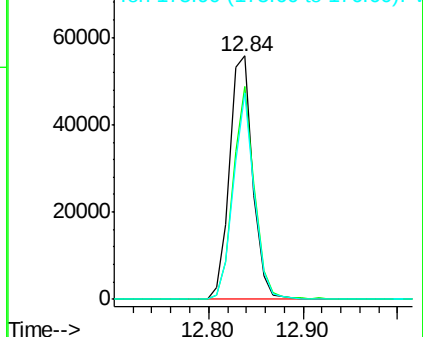
176 84.8 0.0 143.4



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. -0.03 min

Lab File: VD046849.D

Acq: 23 Sep 2015 12:20

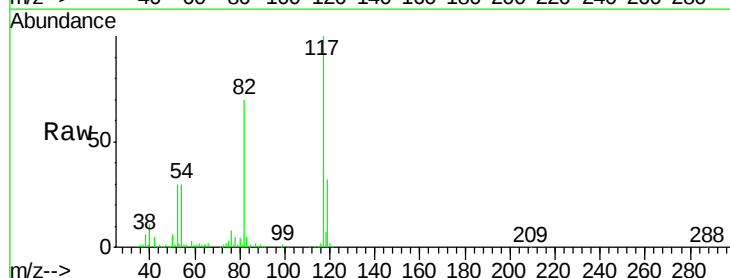
Tgt Ion: 117 Resp: 196189

Ion Ratio Lower Upper

117 100

82 70.2 50.6 75.8

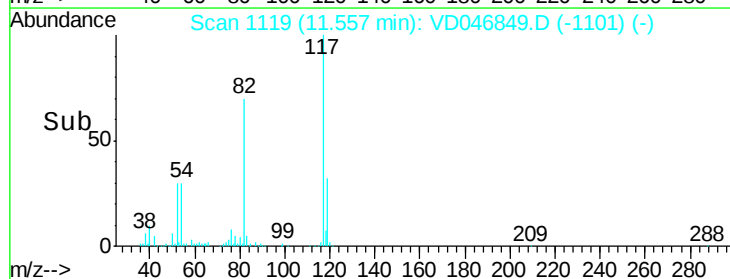
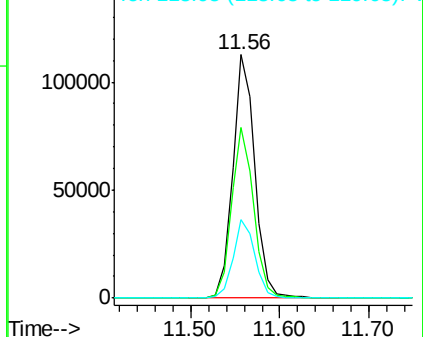
119 32.2 25.8 38.8

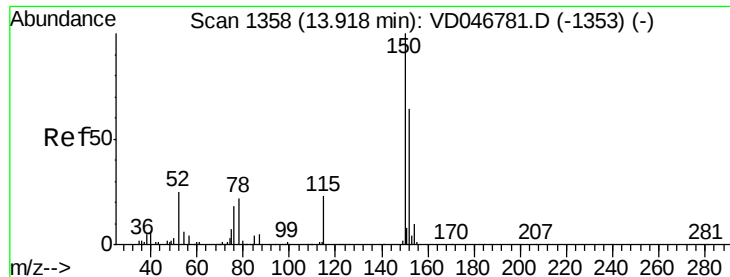


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.90 min Scan# 1357

Delta R.T. -0.02 min

Lab File: VD046849.D

Acq: 23 Sep 2015 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBL01

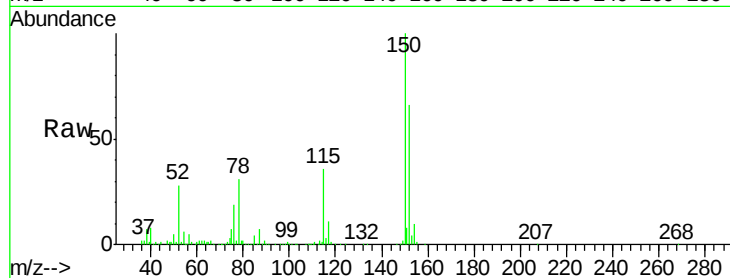
Tot Ion:152 Resp: 99236

Ion Ratio Lower Upper

152 100

115 55.4 26.2 78.6

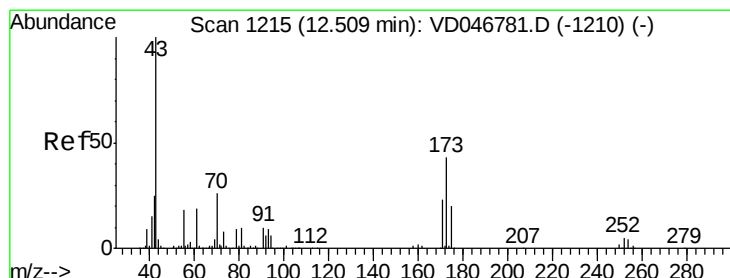
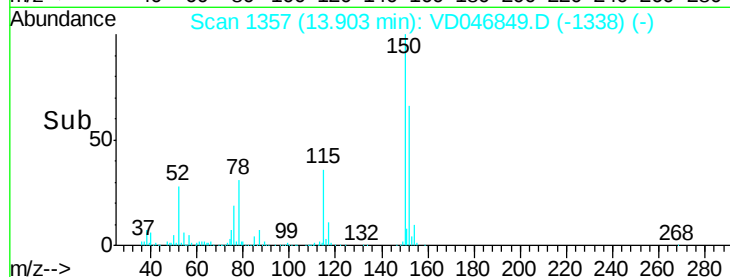
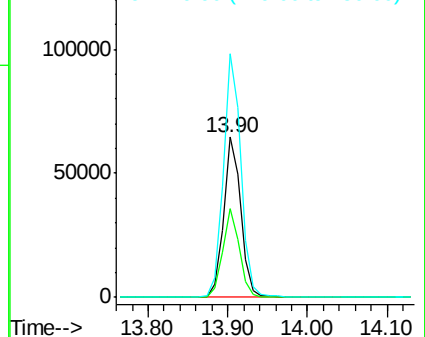
150 152.1 0.0 311.8



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



#74

N-ethyl acetate

Concen: 4.78 ug/l

RT: 12.48 min Scan# 1213

Delta R.T. -0.02 min

Lab File: VD046849.D

Acq: 23 Sep 2015 12:20

Tgt Ion: 43 Resp: 124

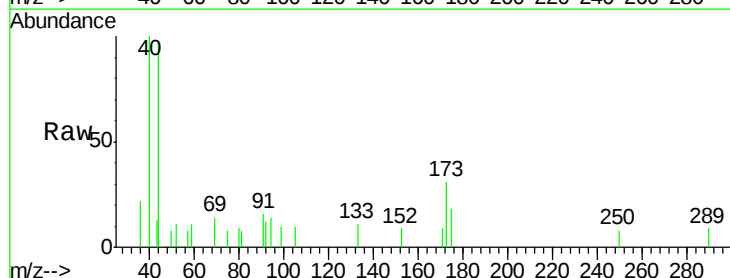
Ion Ratio Lower Upper

43 100

70 0.0 22.1 33.1#

55 0.0 14.5 21.7#

61 0.0 14.6 21.8#

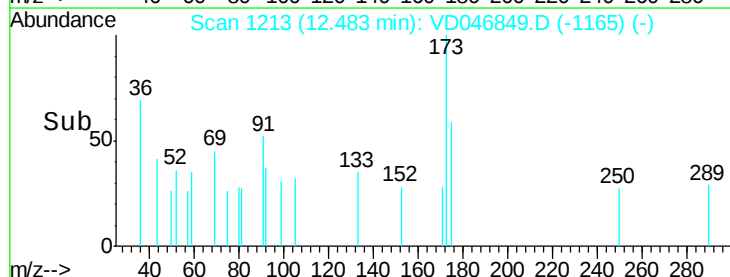
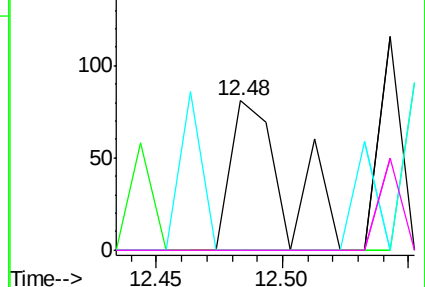


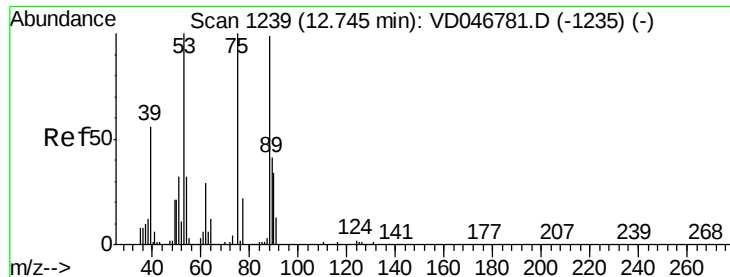
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#81

trans-1,4-Dichloro-2-butene

Concen: 142.30 ug/l

RT: 12.84 min Scan# 1249

Delta R.T. 0.09 min

Lab File: VD046849.D

Acq: 23 Sep 2015 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBL01

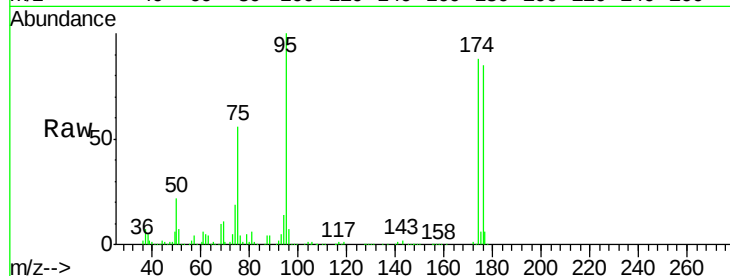
Tot Ion: 75 Resp: 49795

Ion Ratio Lower Upper

75 100

53 0.3 82.3 123.5#

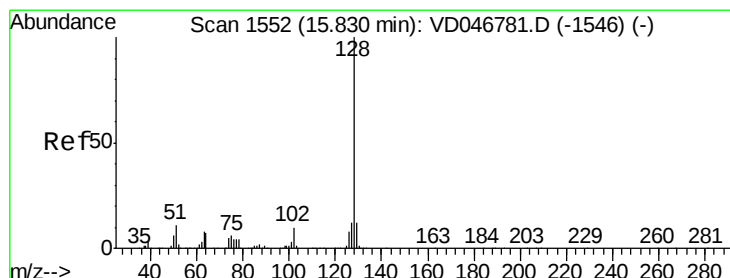
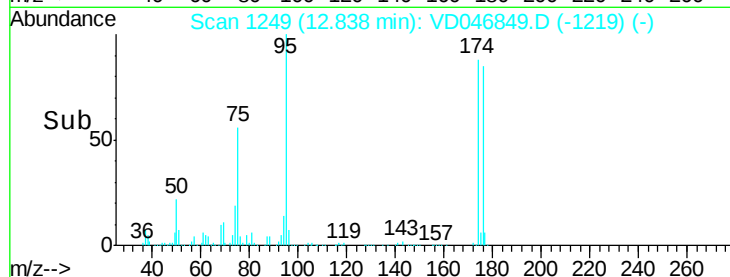
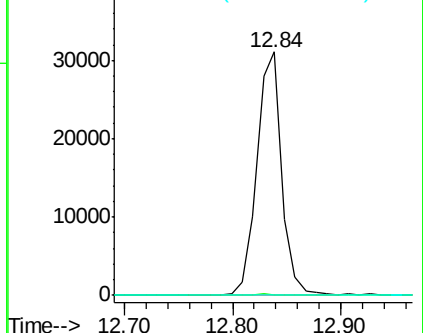
89 0.0 36.6 54.8#



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



#95

Naphthalene

Concen: 2.70 ug/l

RT: 15.82 min Scan# 1551

Delta R.T. -0.01 min

Lab File: VD046849.D

Acq: 23 Sep 2015 12:20

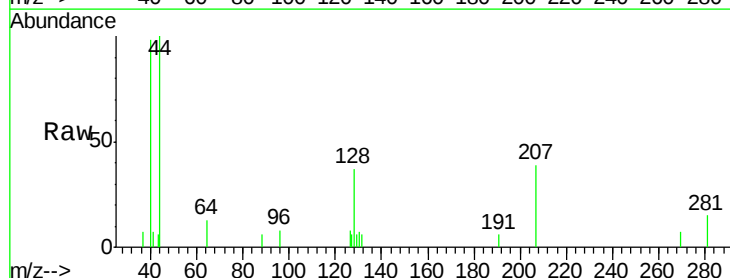
Tgt Ion: 128 Resp: 708

Ion Ratio Lower Upper

128 100

127 17.5 9.8 14.6#

129 16.2 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

