

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046818.D
 Acq On : 21 Sep 2015 20:13
 Operator : FY/SY
 Sample : G3727-04
 Misc : 6.38qm/5mL/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MMB7A

Quant Time: Sep 22 01:11:22 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	263424	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.41	114	367944	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.56	117	293038	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	137658	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.70	65	113619	41.48	ug/l	-0.01
Spiked Amount			Recovery	=	82.96%	
35) Dibromofluoromethane	6.20	113	123979	43.07	ug/l	-0.02
Spiked Amount			Recovery	=	86.14%	
50) Toluene-d8	9.60	98	347294	38.24	ug/l	-0.02
Spiked Amount			Recovery	=	76.48%	
62) 4-Bromofluorobenzene	12.83	95	125885	34.42	ug/l	-0.02
Spiked Amount			Recovery	=	68.84%	

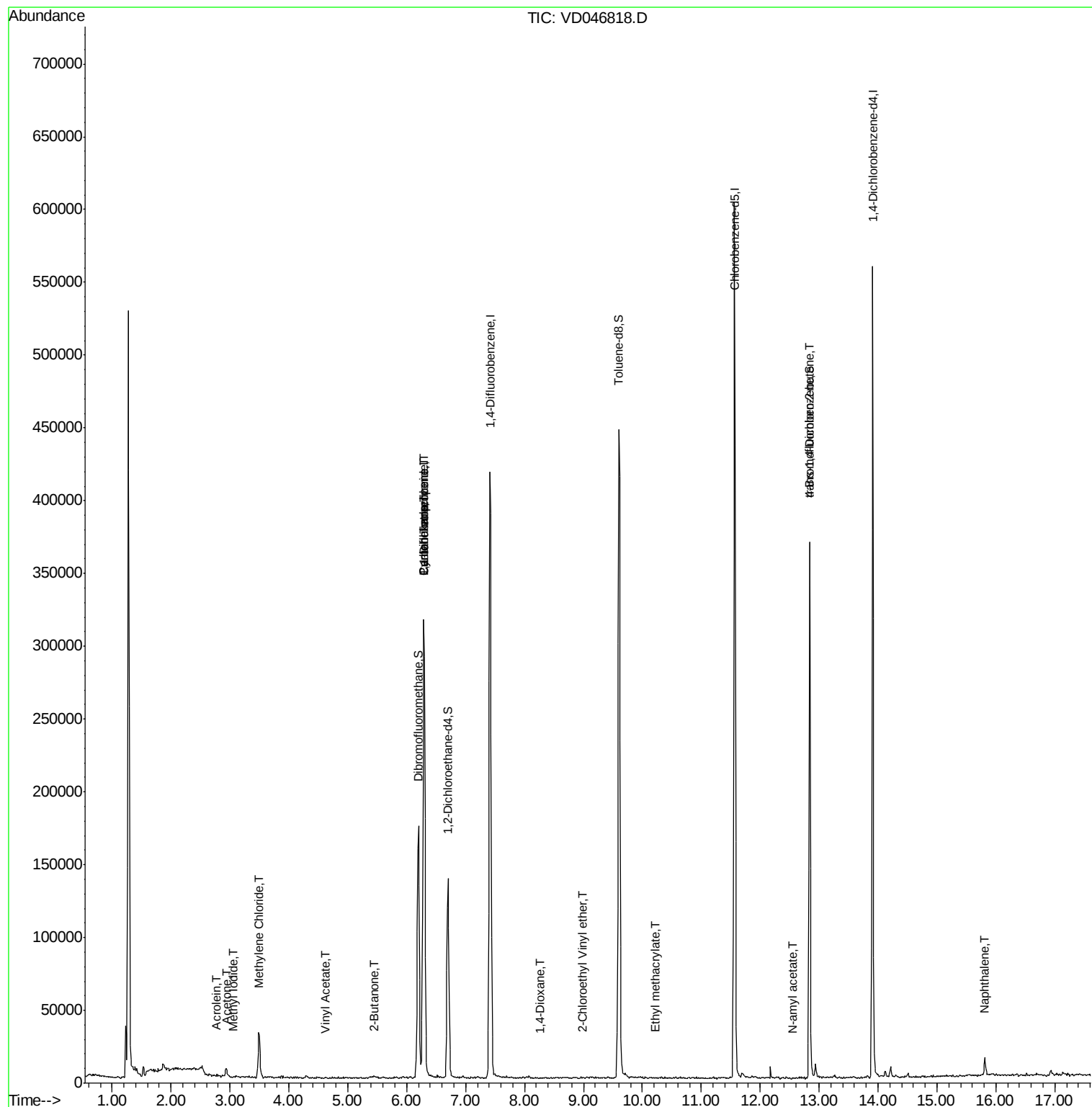
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.42	85	1476	Below Cal		98
3) Chlorodifluoromethane	1.44	51	441	Below Cal	#	88
6) Bromomethane	1.95	94	169	Below Cal	#	2
11) Methyl Iodide	3.05	142	43	1.75	ug/l	35
12) Tert butyl alcohol	3.68	59	112	Below Cal	#	74
14) Acrolein	2.78	56	180	1.29	ug/l	77
17) Acetone	2.94	43	8044	17.38	ug/l	96
21) Methylene Chloride	3.49	84	13410	5.34	ug/l	90
24) Vinyl Acetate	4.60	43	53	15.02	ug/l	82
26) 2-Butanone	5.44	43	1973	3.79	ug/l	90
31) Cyclohexane	6.29	56	6403	1.56	ug/l	1
36) 1,1-Dichloropropene	6.29	75	21594	5.02	ug/l	51
38) Carbon Tetrachloride	6.29	117	22712	5.08	ug/l	16
49) 1,4-Dioxane	8.25	88	36	3.50	ug/l	42
56) Ethyl methacrylate	10.23	69	226	3.99	ug/l	30
58) 2-Chloroethyl Vinyl ether	8.98	63	32	6.36	ug/l	53
74) N-amyl acetate	12.54	43	248	4.80	ug/l	54
81) trans-1,4-Dichloro-2-buten	12.83	75	61955	128.02	ug/l	9
95) Naphthalene	15.81	128	11919	6.27	ug/l	97

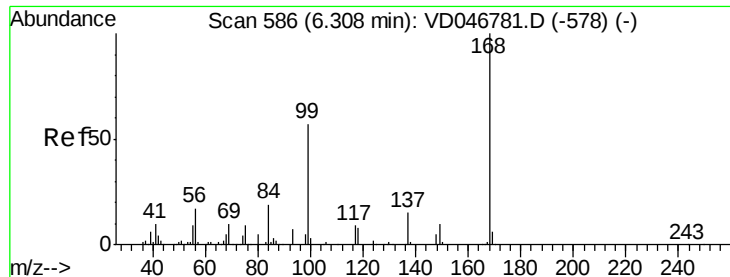
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 584

Delta R.T. -0.02 min

Lab File: VD046818.D

Acq: 21 Sep 2015 20:13

Instrument :

MSVOA_D

ClientSampleId :

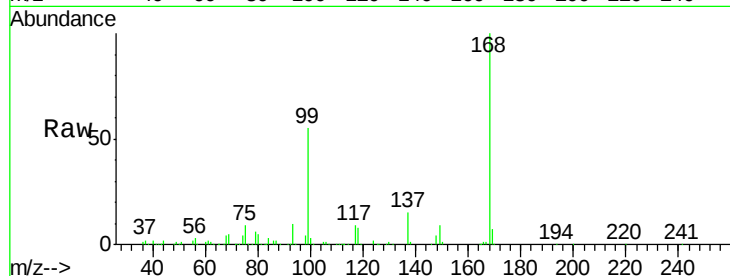
MMB7A

Tot Ion:168 Resp: 263424

Ion Ratio Lower Upper

168 100

99 54.7 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.29

120000

100000

80000

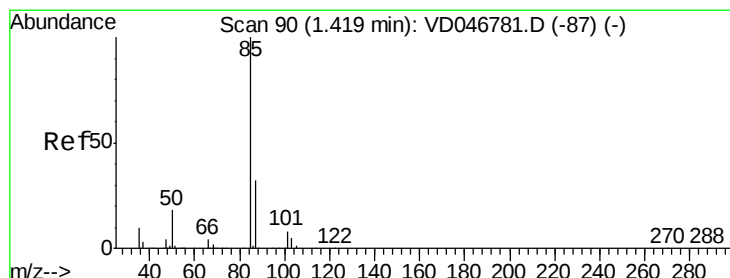
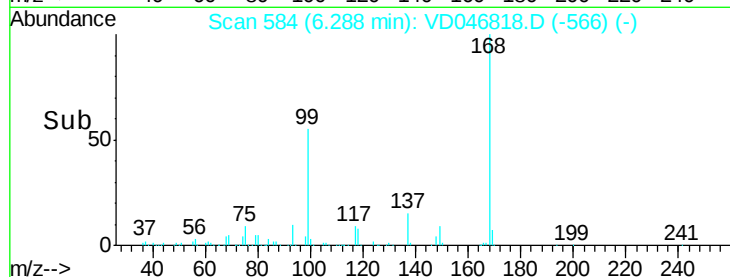
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VD046818.D

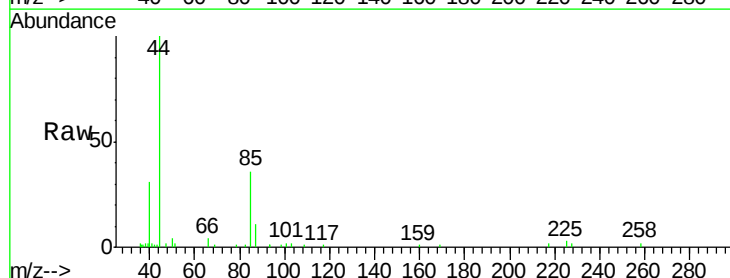
Acq: 21 Sep 2015 20:13

Tgt Ion: 85 Resp: 1476

Ion Ratio Lower Upper

85 100

87 31.2 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

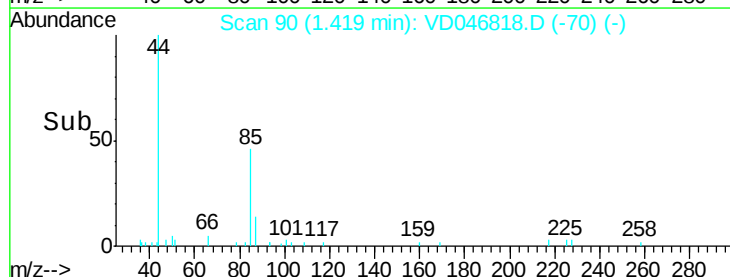
1500

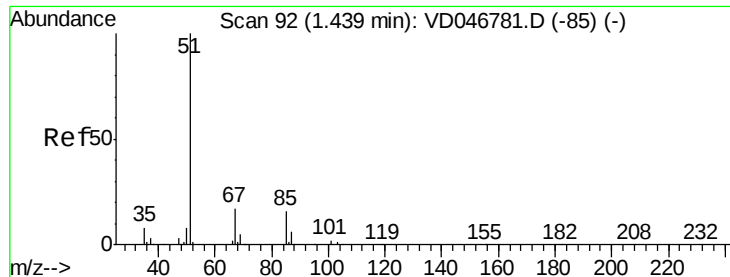
1000

500

0

Time-->





#3

Chlorodifluoromethane

Concen: Below Cal

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VD046818.D

Acq: 21 Sep 2015 20:13

Instrument :

MSVOA_D

ClientSampleId :

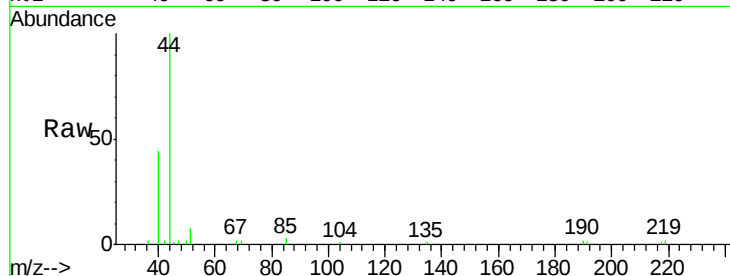
MMB7A

Tot Ion: 51 Resp: 441

Ion Ratio Lower Upper

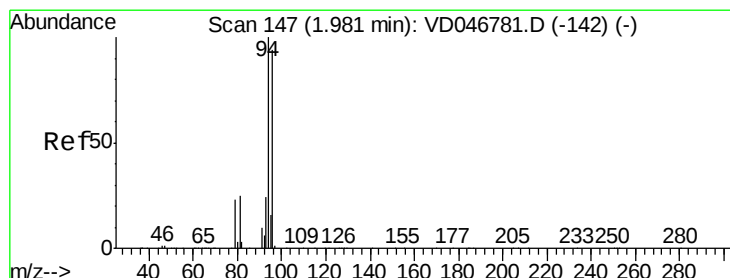
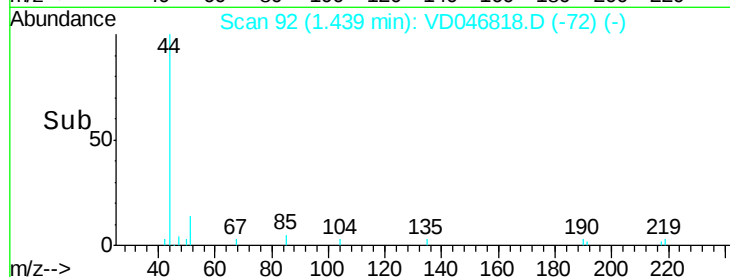
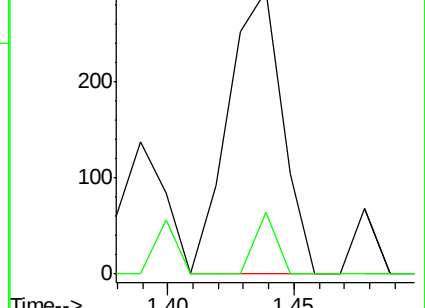
51 100

67 8.6 10.9 16.3#



Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#6

Bromomethane

Concen: Below Cal

RT: 1.95 min Scan# 144

Delta R.T. -0.03 min

Lab File: VD046818.D

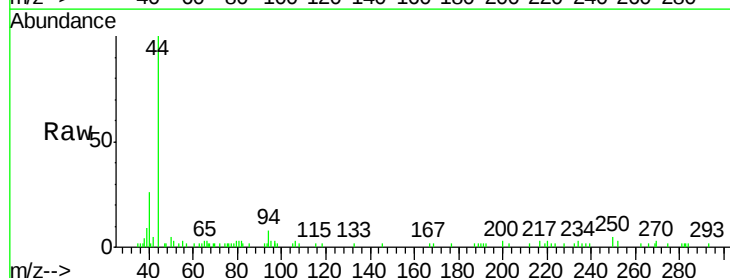
Acq: 21 Sep 2015 20:13

Tgt Ion: 94 Resp: 169

Ion Ratio Lower Upper

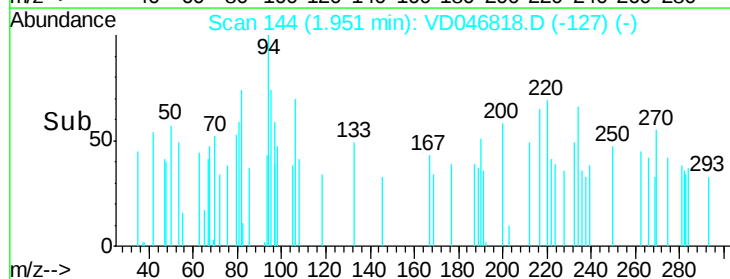
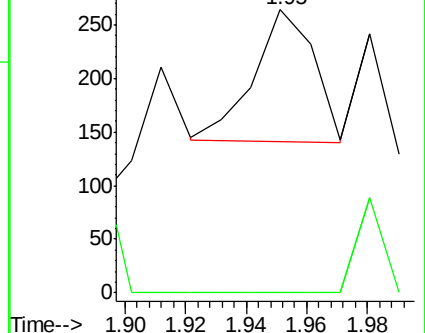
94 100

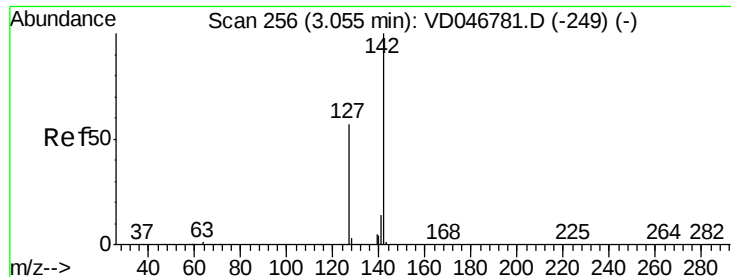
96 0.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#11

Methvl Iodide

Concen: 1.75 ua/l

RT: 3.05 min Scan# 255

Delta R.T. -0.01 min

Lab File: VD046818.D

Acq: 21 Sep 2015 20:13

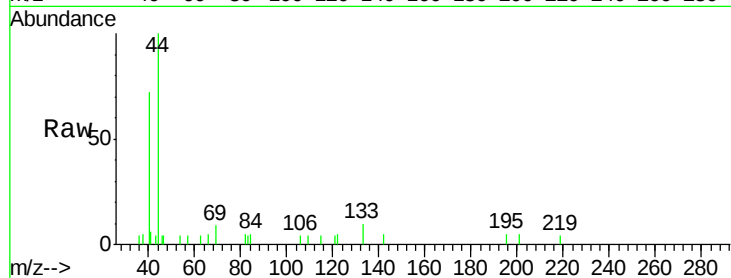
Instrument :

MSVOA_D

ClientSampleId :

MMB7A

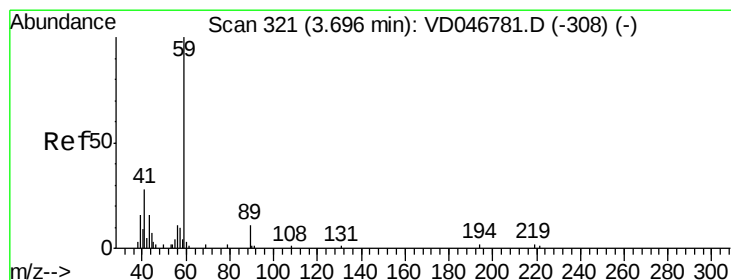
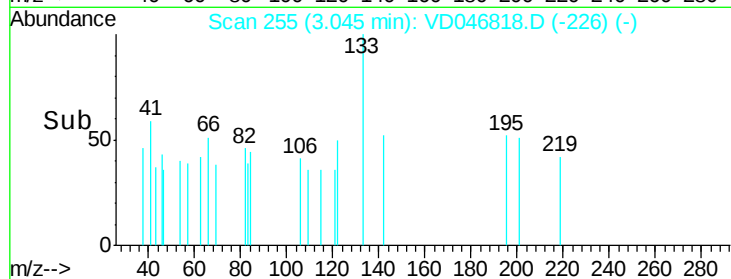
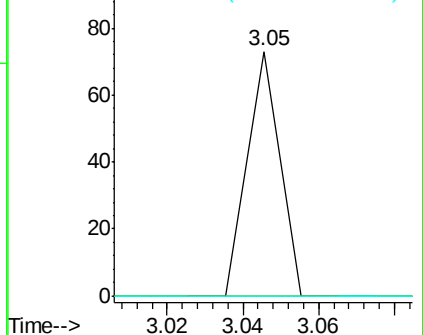
Tot Ion:	142	Resp:	43
Ion	Ratio	Lower	Upper
142	100		
127	0.0	41.2	61.8#
141	0.0	11.6	17.4#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



#12

Tert butyl alcohol

Concen: Below Cal

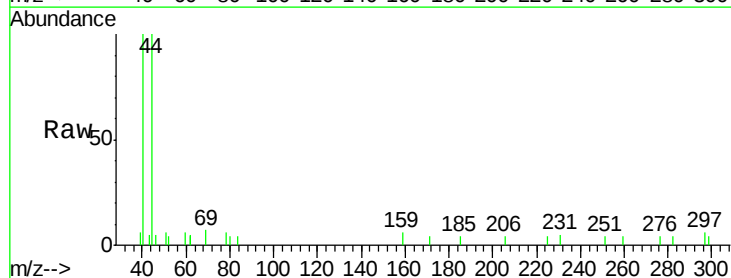
RT: 3.68 min Scan# 319

Delta R.T. -0.02 min

Lab File: VD046818.D

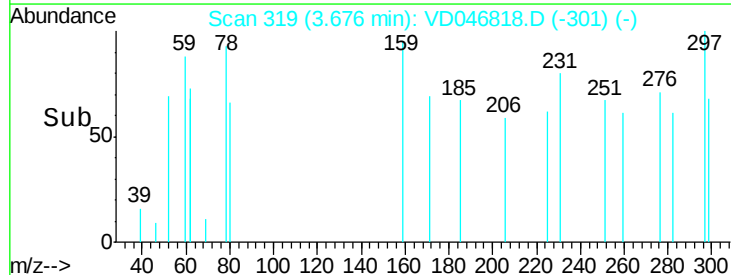
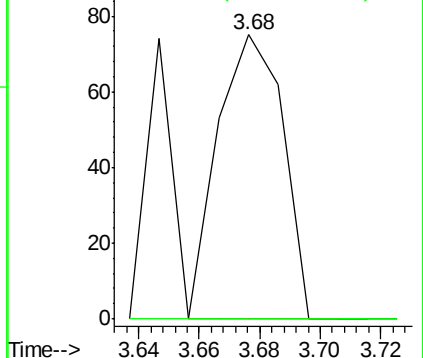
Acq: 21 Sep 2015 20:13

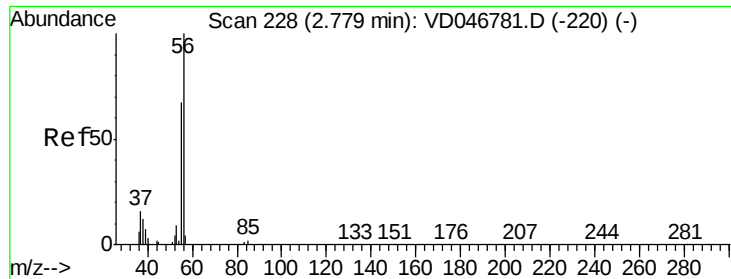
Tgt Ion:	59	Resp:	112
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#



Abundance Ion 58.95 (58.65 to 59.65): V

Ion 56.95 (56.65 to 57.65): V





#14

Acrolein

Concen: 1.29 ug/l

RT: 2.78 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD046818.D

Acq: 21 Sep 2015 20:13

Instrument :

MSVOA_D

ClientSampleId :

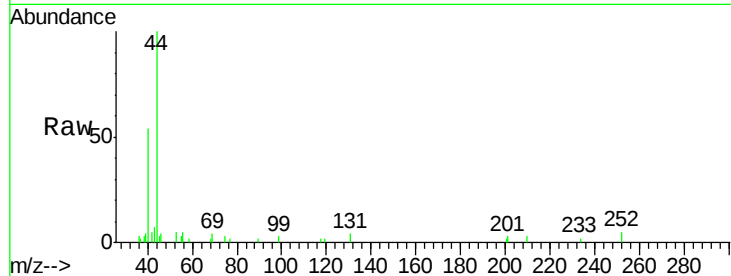
MMB7A

Tot Ion: 56 Resp: 180

Ion Ratio Lower Upper

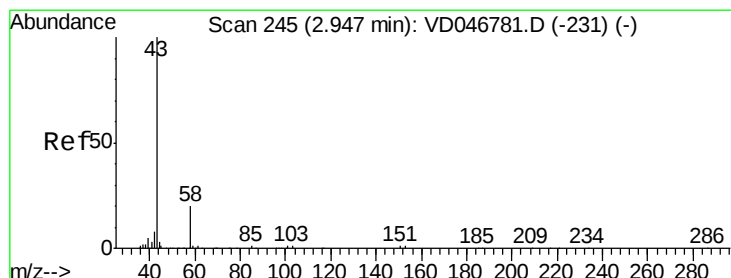
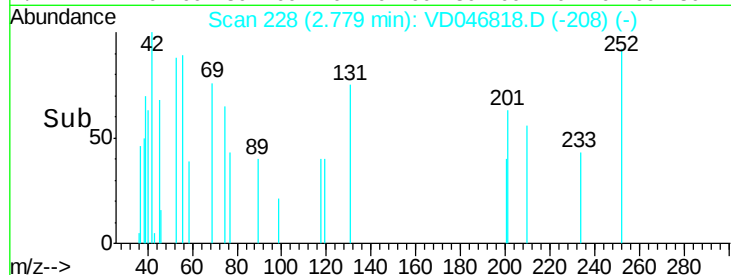
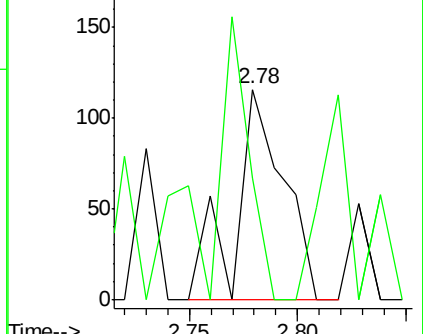
56 100

55 57.8 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: 17.38 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD046818.D

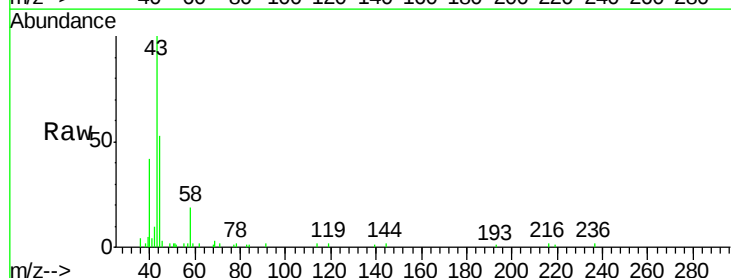
Acq: 21 Sep 2015 20:13

Tgt Ion: 43 Resp: 8044

Ion Ratio Lower Upper

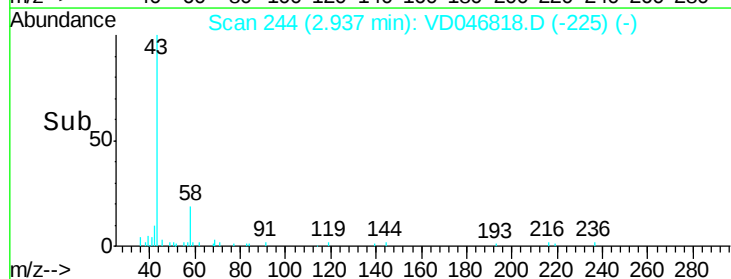
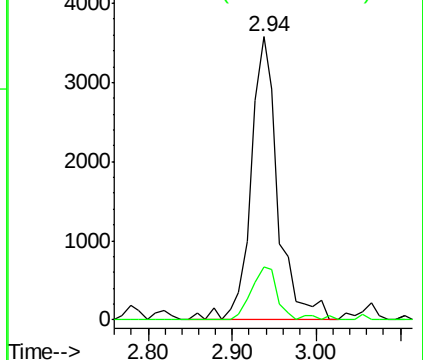
43 100

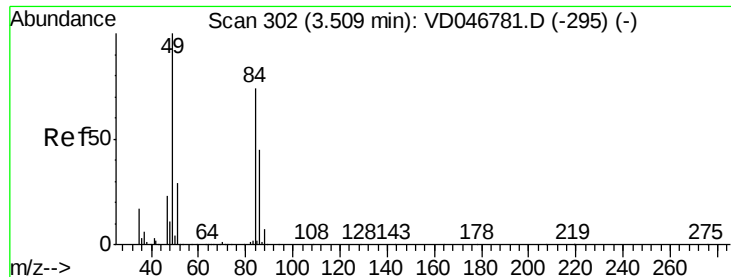
58 18.9 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

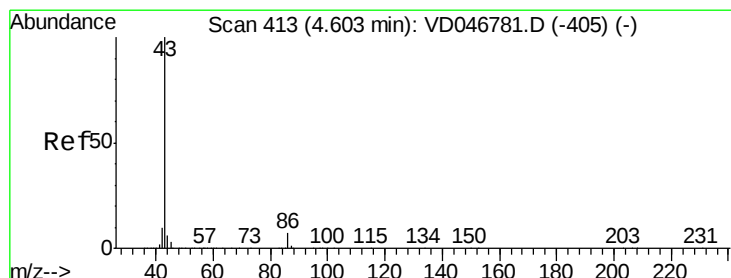
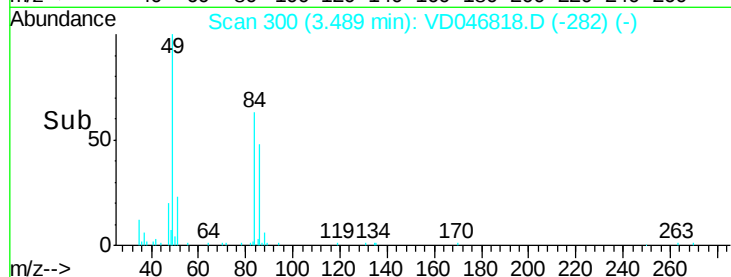
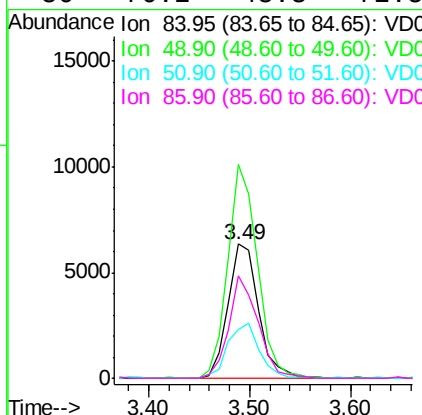
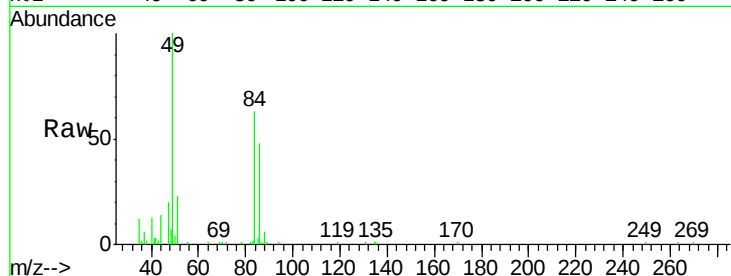




#21
Methvlene Chloride
Concen: 5.34 ug/l
RT: 3.49 min Scan# 300
Delta R.T. -0.02 min
Lab File: VD046818.D
Acq: 21 Sep 2015 20:13

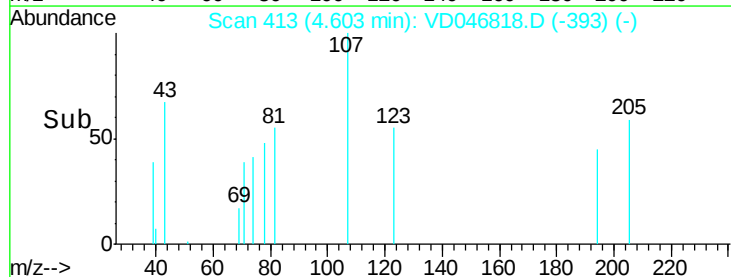
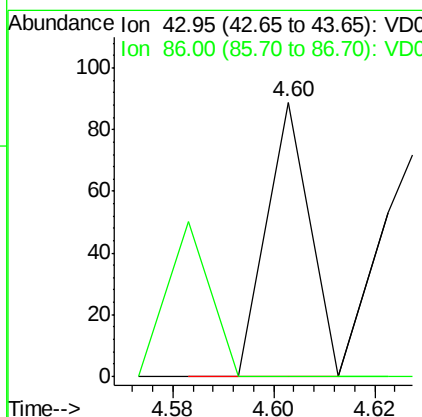
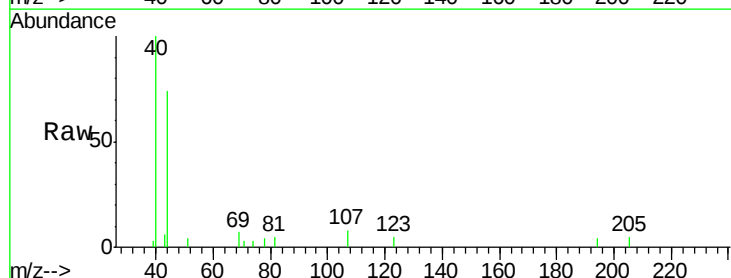
Instrument :
MSVOA_D
ClientSampleId :
MMB7A

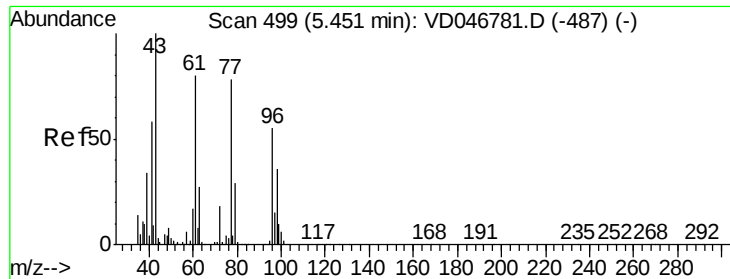
Tot Ion: 84 Resp: 13410
Ion Ratio Lower Upper
84 100
49 159.2 122.1 183.1
51 35.9 33.6 50.4
86 76.2 48.3 72.5#



#24
Vinyl Acetate
Concen: 15.02 ug/l
RT: 4.60 min Scan# 413
Delta R.T. -0.00 min
Lab File: VD046818.D
Acq: 21 Sep 2015 20:13

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
86 0.0 4.9 7.3#

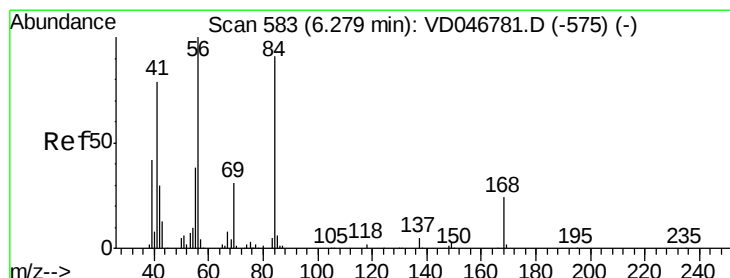
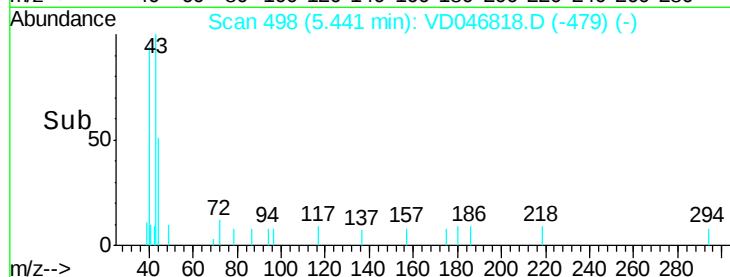
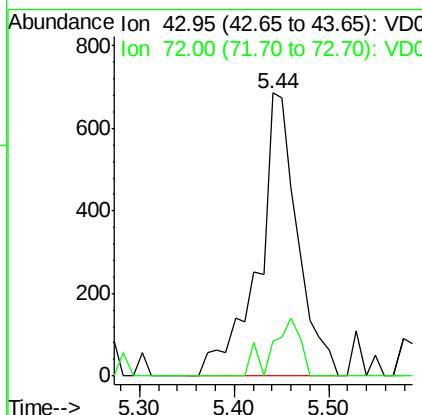
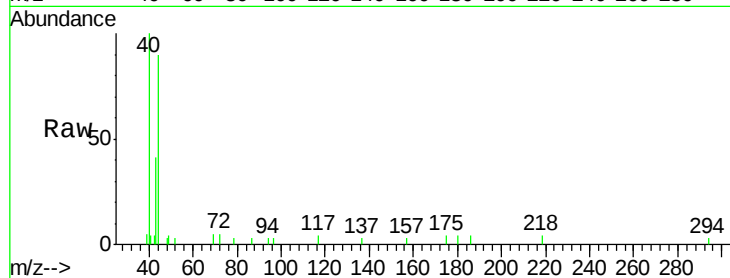




#26
2-Butanone
Concen: 3.79 ug/l
RT: 5.44 min Scan# 498
Delta R.T. -0.01 min
Lab File: VD046818.D
Acq: 21 Sep 2015 20:13

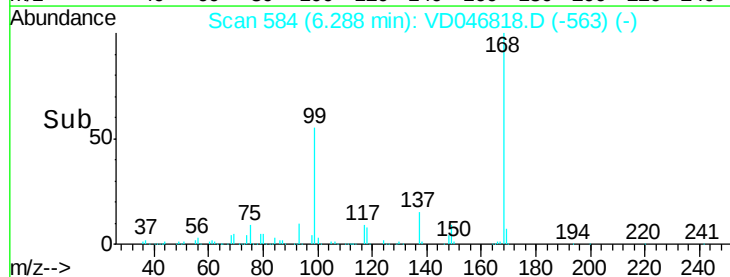
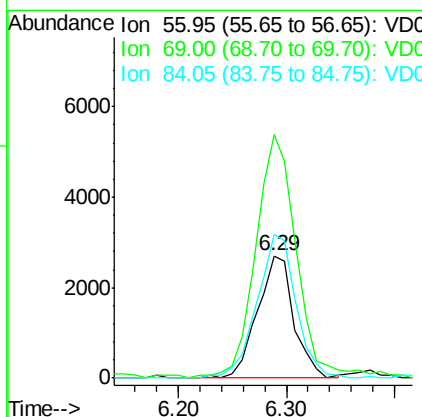
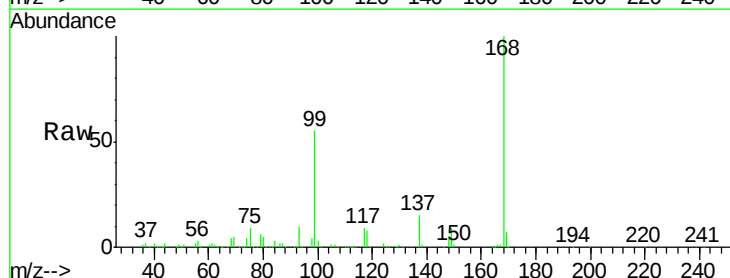
Instrument :
MSVOA_D
ClientSampleID :
MMB7A

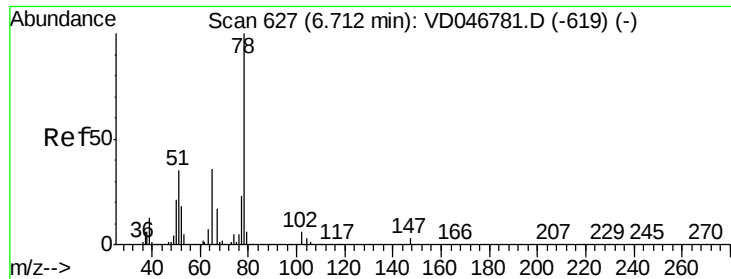
Tot Ion: 43 Resp: 1973
Ion Ratio Lower Upper
43 100
72 12.4 13.4 20.0#



#31
Cyclohexane
Concen: 1.56 ug/l
RT: 6.29 min Scan# 584
Delta R.T. 0.01 min
Lab File: VD046818.D
Acq: 21 Sep 2015 20:13

Tgt Ion: 56 Resp: 6403
Ion Ratio Lower Upper
56 100
69 198.8 23.4 35.0#
84 117.8 63.8 95.8#

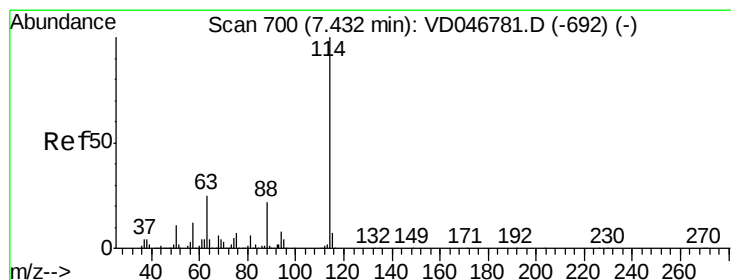
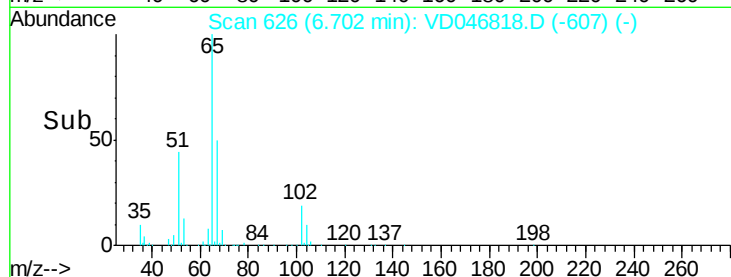
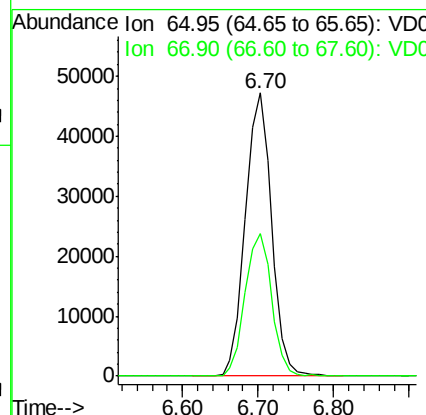
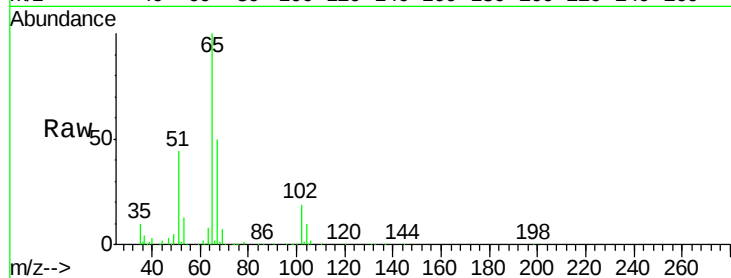




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: VD046818.D
 Acq: 21 Sep 2015 20:13

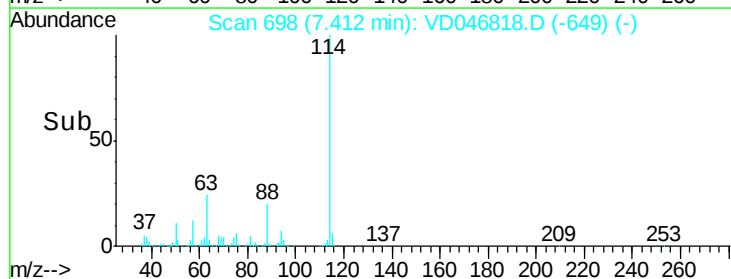
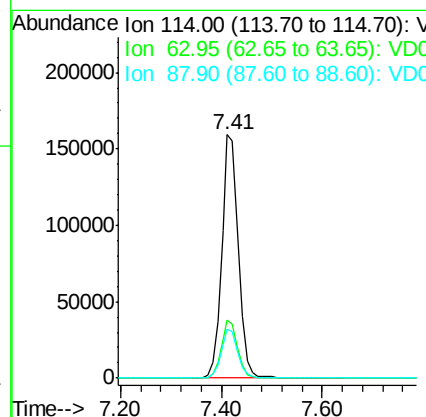
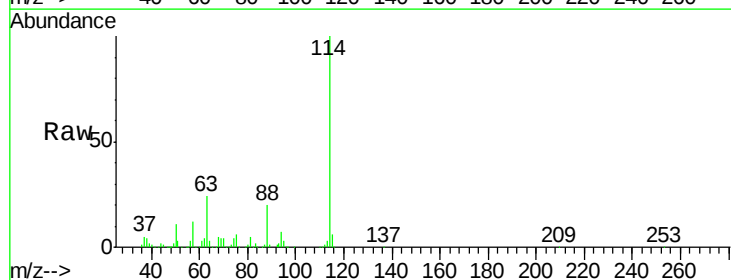
Instrument :
 MSVOA_D
 ClientSampled :
 MMB7A

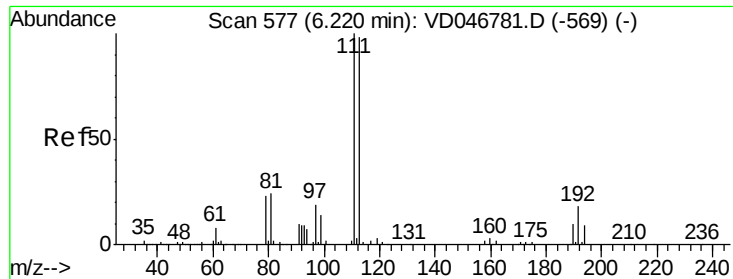
Tot Ion: 65 Resp: 113619
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.41 min Scan# 698
 Delta R.T. -0.02 min
 Lab File: VD046818.D
 Acq: 21 Sep 2015 20:13

Tgt Ion: 114 Resp: 367944
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.8
 88 19.9 0.0 43.6

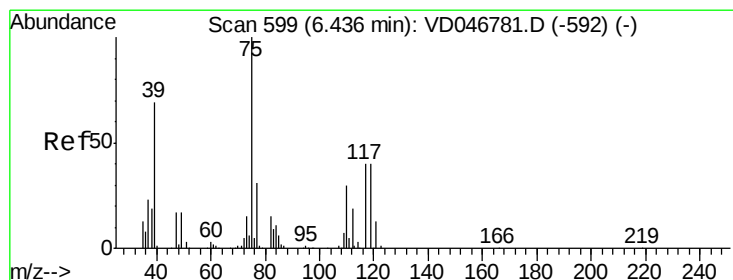
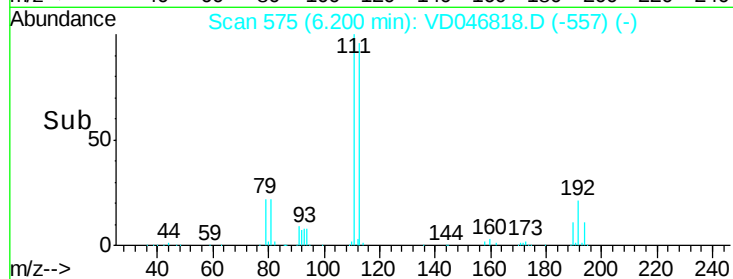
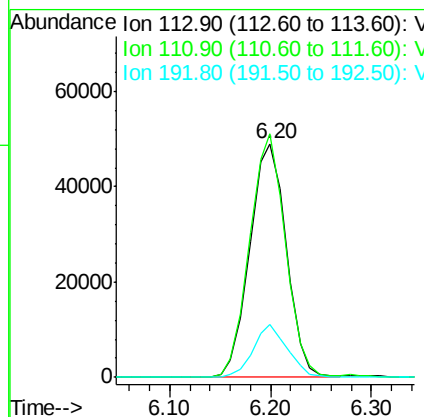
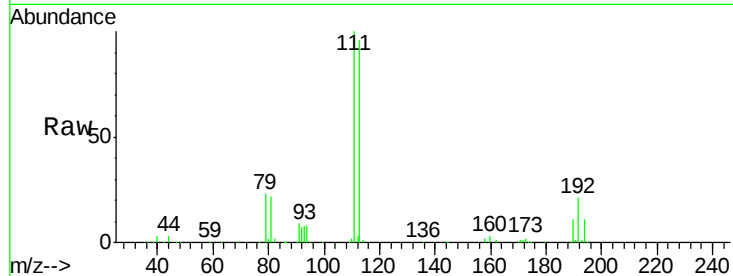




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.20 min Scan# 575
 Delta R.T. -0.02 min
 Lab File: VD046818.D
 Acq: 21 Sep 2015 20:13

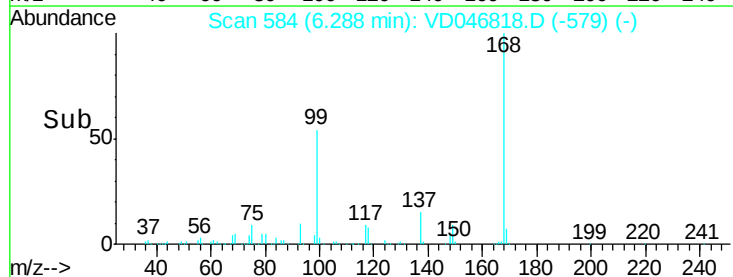
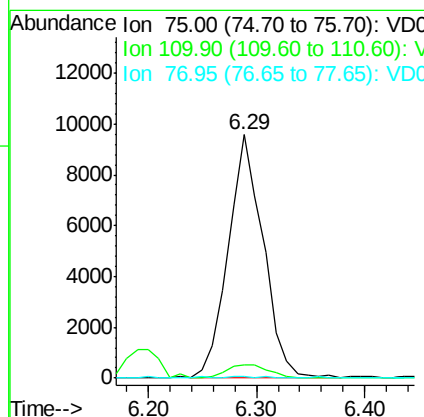
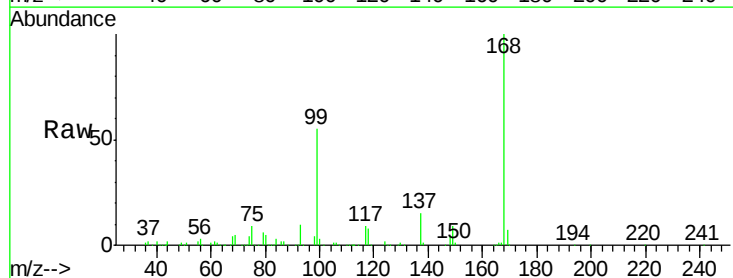
Instrument :
 MSVOA_D
 ClientSampleId :
 MMB7A

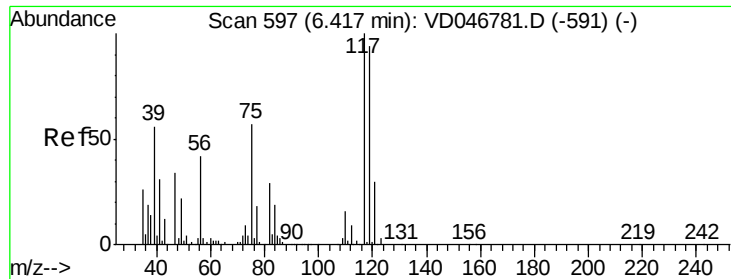
Tot Ion:	113	Resp:	123979
Ion	Ratio	Lower	Upper
113	100		
111	104.1	79.4	119.0
192	22.3	14.6	22.0#



#36
 1,1-Dichloropropene
 Concen: 5.02 ug/l
 RT: 6.29 min Scan# 584
 Delta R.T. -0.15 min
 Lab File: VD046818.D
 Acq: 21 Sep 2015 20:13

Tgt Ion:	75	Resp:	21594
Ion	Ratio	Lower	Upper
75	100		
110	5.2	13.7	41.0#
77	0.8	24.7	37.1#

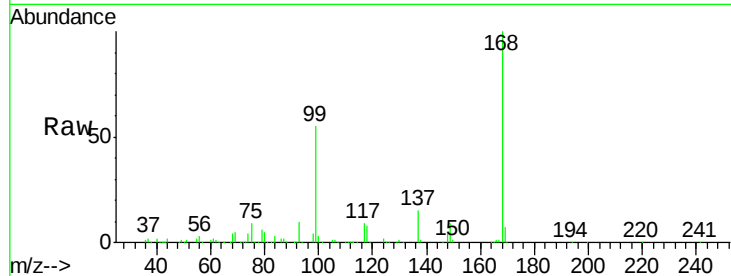




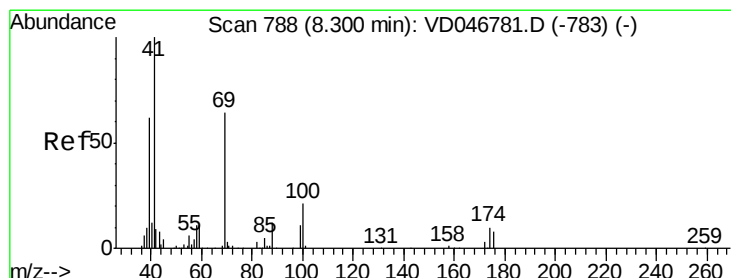
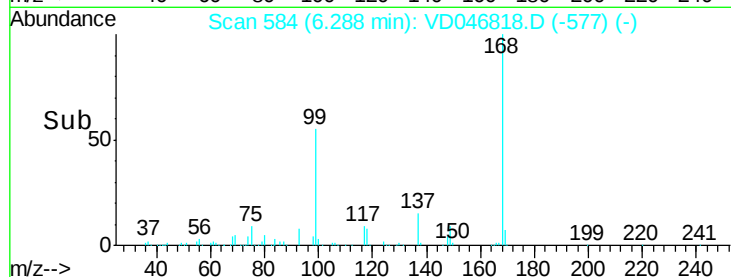
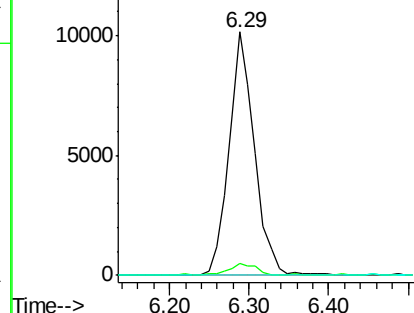
#38
Carbon Tetrachloride
Concen: 5.08 ug/l
RT: 6.29 min Scan# 584
Delta R.T. -0.13 min
Lab File: VD046818.D
Acq: 21 Sep 2015 20:13

Instrument :
MSVOA_D
ClientSampleId :
MMB7A

Tot Ion:117 Resp: 22712
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.4#
121 0.0 24.5 36.7#

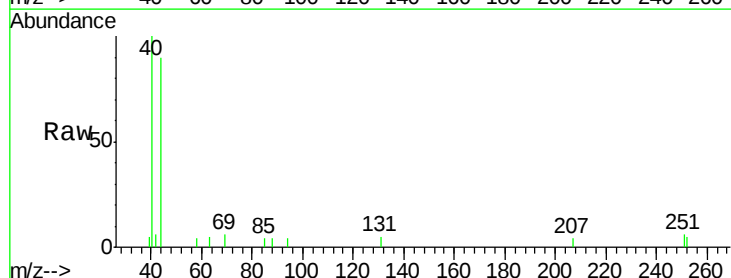


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

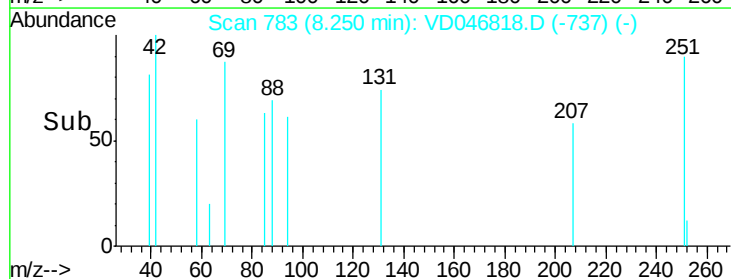
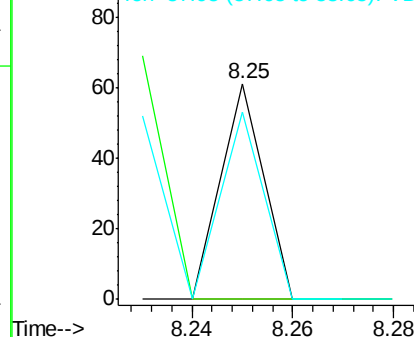


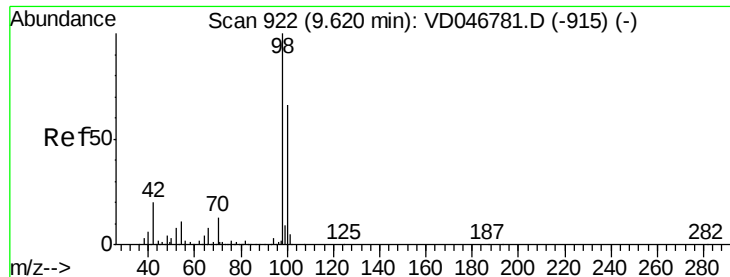
#49
1,4-Dioxane
Concen: 3.50 ug/l
RT: 8.25 min Scan# 783
Delta R.T. -0.05 min
Lab File: VD046818.D
Acq: 21 Sep 2015 20:13

Tgt Ion: 88 Resp: 36
Ion Ratio Lower Upper
88 100
43 0.0 50.0 75.0#
58 86.9 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

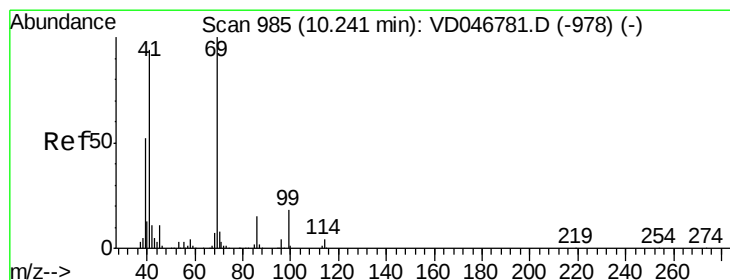
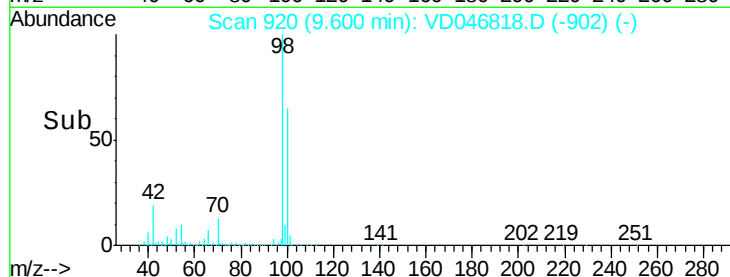
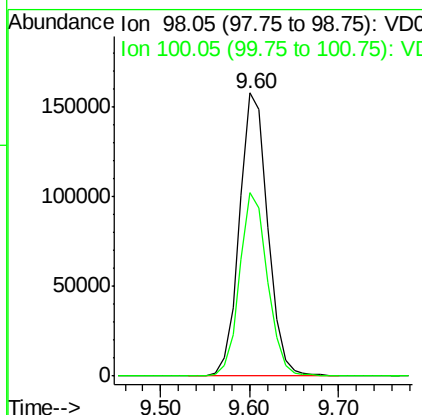
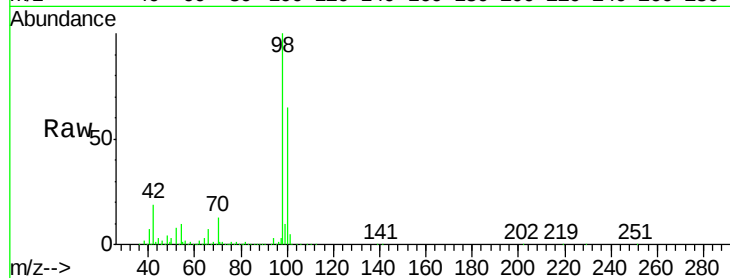




#50
Toluene-d8
Concen: 3.50 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.02 min
Lab File: VD046818.D
Acq: 21 Sep 2015 20:13

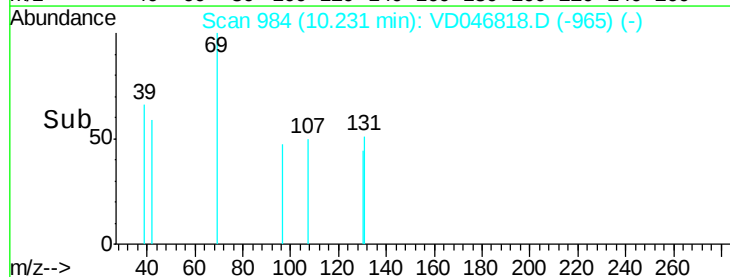
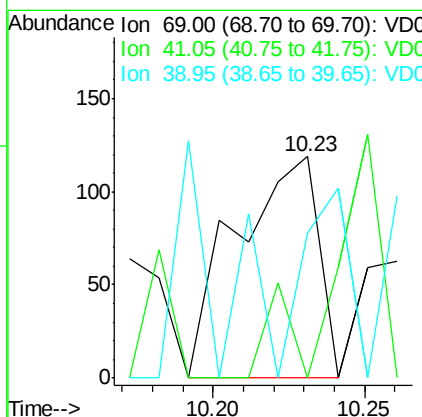
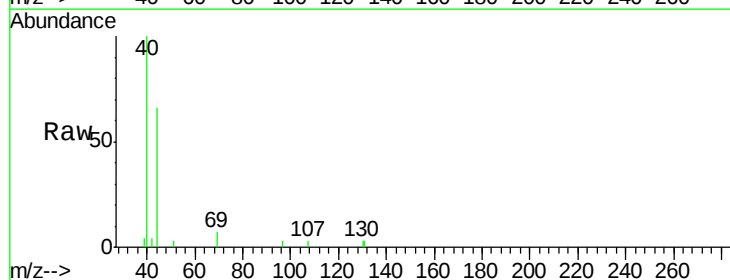
Instrument :
MSVOA_D
ClientSampleId :
MMB7A

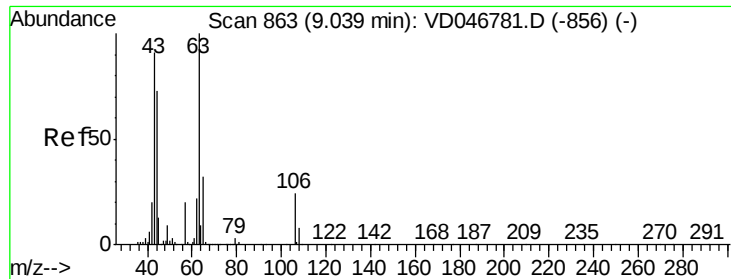
Tot Ion: 98 Resp: 347294
Ion Ratio Lower Upper
98 100
100 64.8 49.9 74.9



#56
Ethyl methacrylate
Concen: 3.99 ug/l
RT: 10.23 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD046818.D
Acq: 21 Sep 2015 20:13

Tgt Ion: 69 Resp: 226
Ion Ratio Lower Upper
69 100
41 0.0 75.4 113.0#
39 65.5 41.0 61.4#

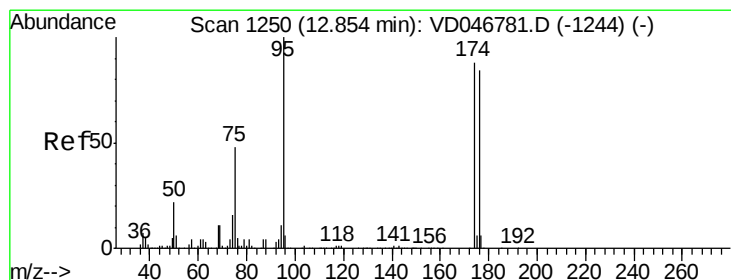
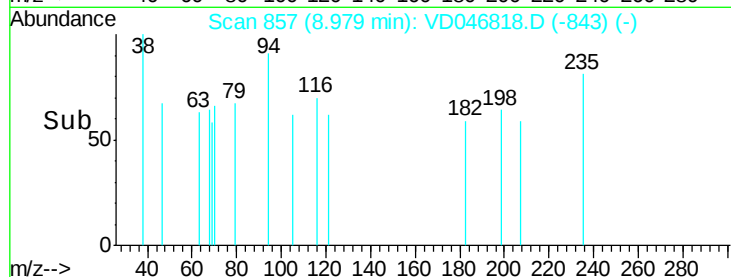
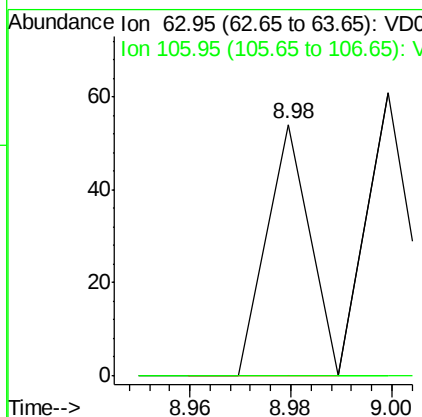
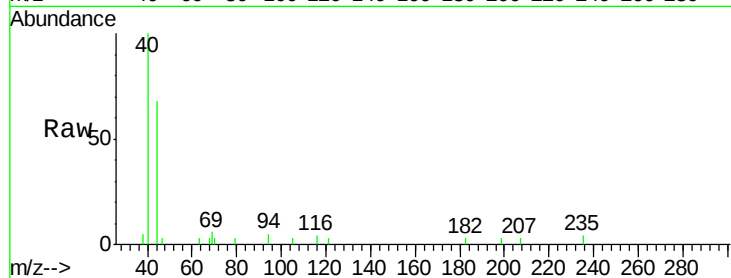




#58
 2-Chloroethyl Vinyl ether
 Concen: 6.36 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.06 min
 Lab File: VD046818.D
 Acq: 21 Sep 2015 20:13

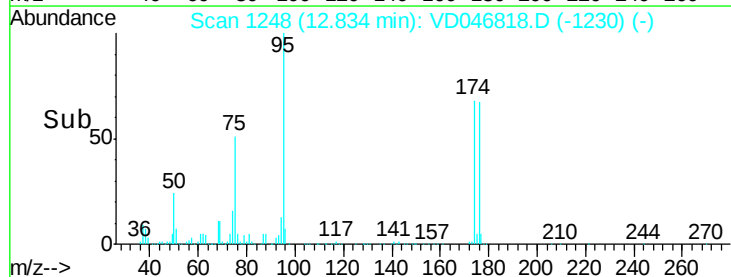
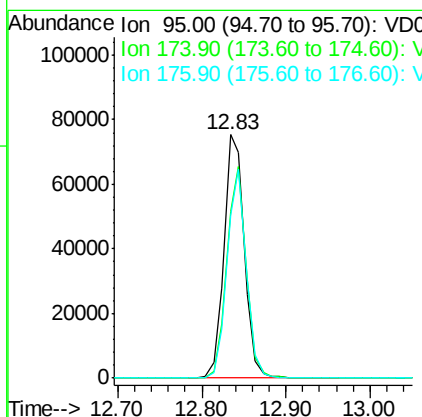
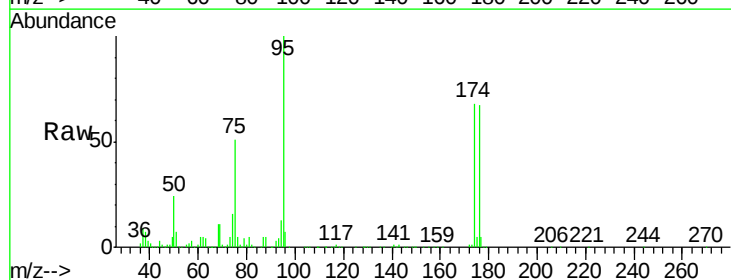
Instrument :
 MSVOA_D
 ClientSampleId :
 MMB7A

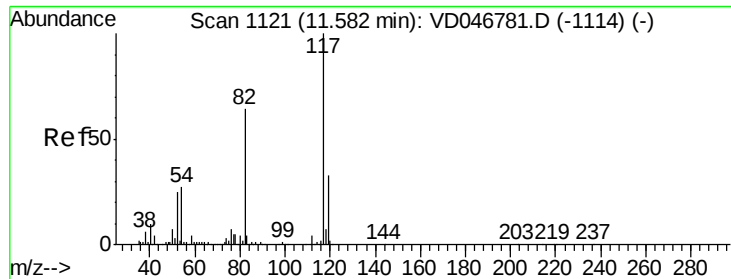
Tot Ion: 63 Resp: 32
 Ion Ratio Lower Upper
 63 100
 106 0.0 17.8 26.8#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.83 min Scan# 1248
 Delta R.T. -0.02 min
 Lab File: VD046818.D
 Acq: 21 Sep 2015 20:13

Tgt Ion: 95 Resp: 125885
 Ion Ratio Lower Upper
 95 100
 174 68.4 0.0 149.8
 176 66.7 0.0 143.4

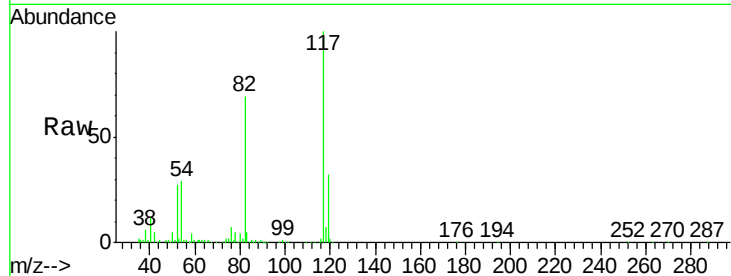




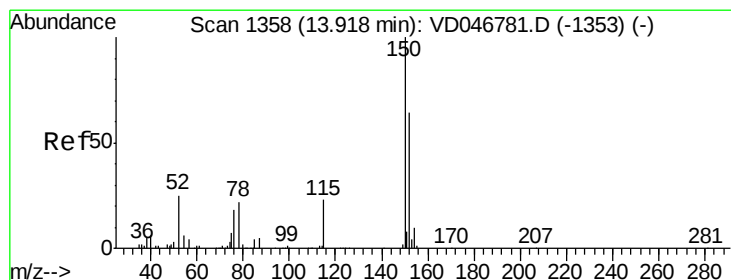
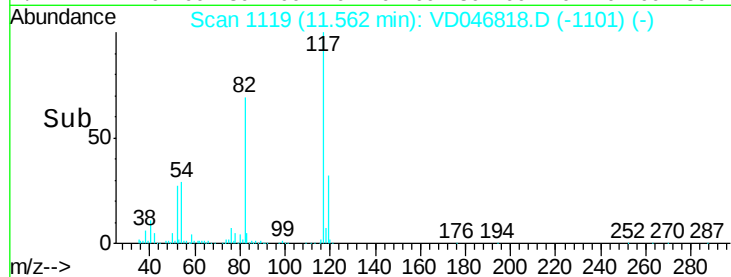
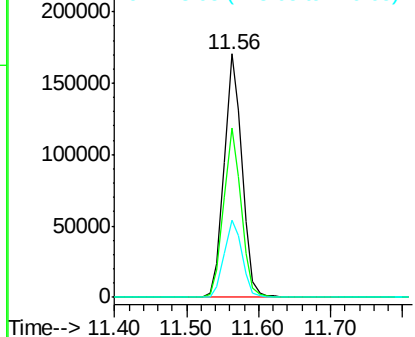
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.56 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VD046818.D
Acq: 21 Sep 2015 20:13

Instrument :
MSVOA_D
ClientSampleId :
MMB7A

Tot Ion:117 Resp: 293038
Ion Ratio Lower Upper
117 100
82 69.3 50.6 75.8
119 31.9 25.8 38.8

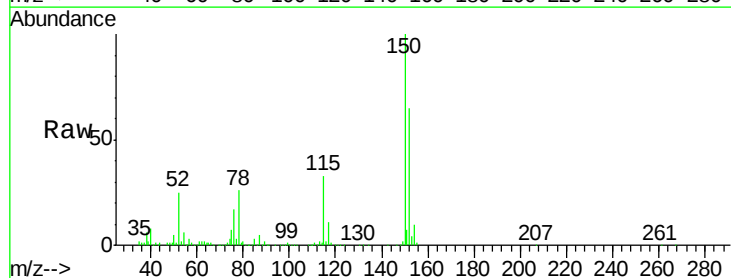


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

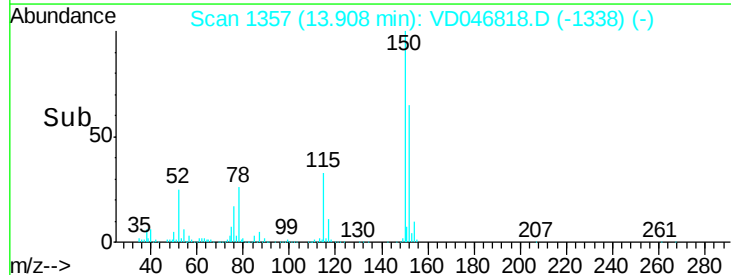
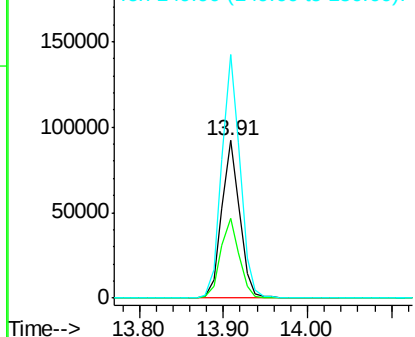


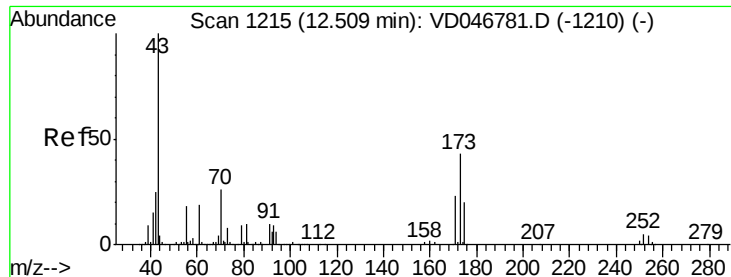
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.91 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD046818.D
Acq: 21 Sep 2015 20:13

Tgt Ion:152 Resp: 137658
Ion Ratio Lower Upper
152 100
115 50.8 26.2 78.6
150 154.4 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-amvl acetate

Concen: 4.80 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.03 min

Lab File: VD046818.D

Acq: 21 Sep 2015 20:13

Instrument :

MSVOA_D

ClientSampleId :

MMB7A

Tot Ion: 43 Resp: 248

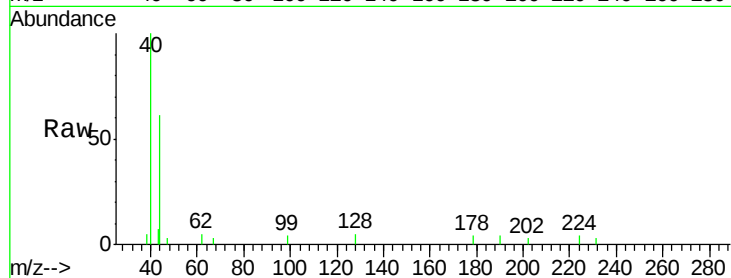
Ion Ratio Lower Upper

43 100

70 0.0 22.1 33.1#

55 0.0 14.5 21.7#

61 0.0 14.6 21.8#

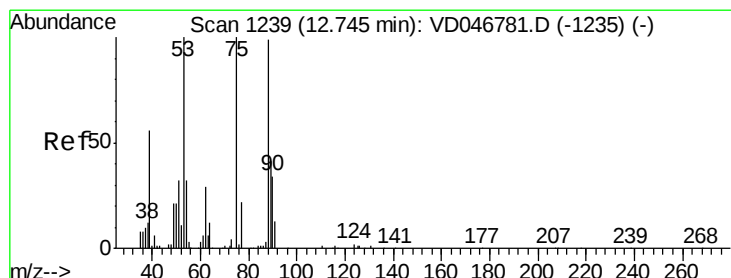
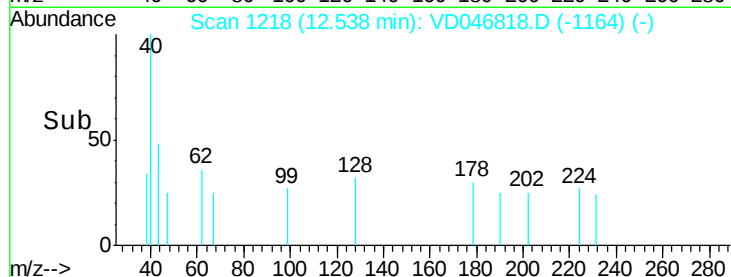
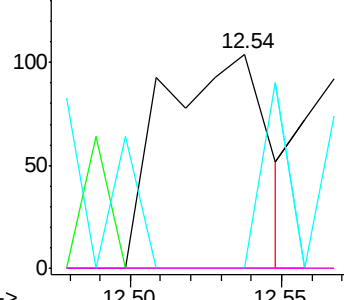


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 128.02 ug/l

RT: 12.83 min Scan# 1248

Delta R.T. 0.09 min

Lab File: VD046818.D

Acq: 21 Sep 2015 20:13

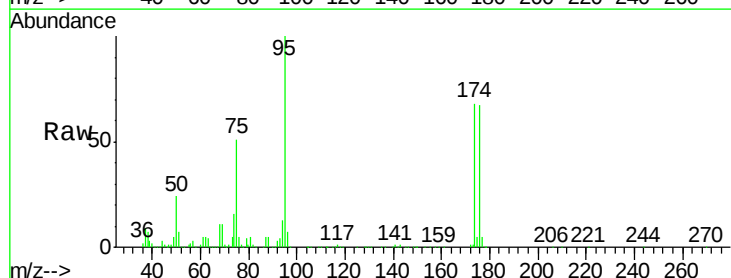
Tgt Ion: 75 Resp: 61955

Ion Ratio Lower Upper

75 100

53 0.2 82.3 123.5#

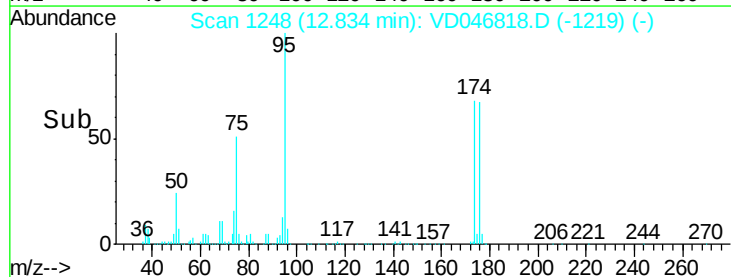
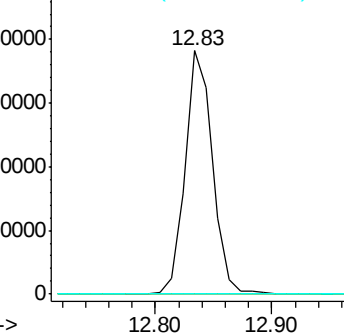
89 0.0 36.6 54.8#

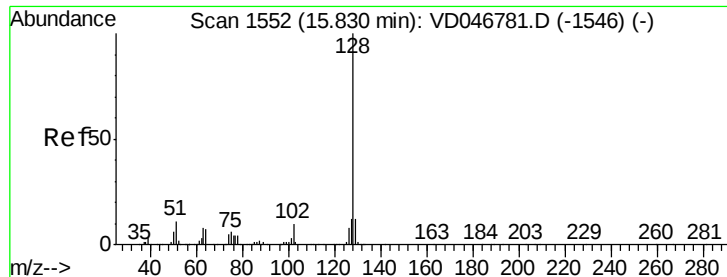


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Napthalene

Concen: 6.27 ug/l

RT: 15.81 min Scan# 1550

Delta R.T. -0.02 min

Lab File: VD046818.D

Acq: 21 Sep 2015 20:13

Instrument :

MSVOA_D

ClientSampleId :

MMB7A

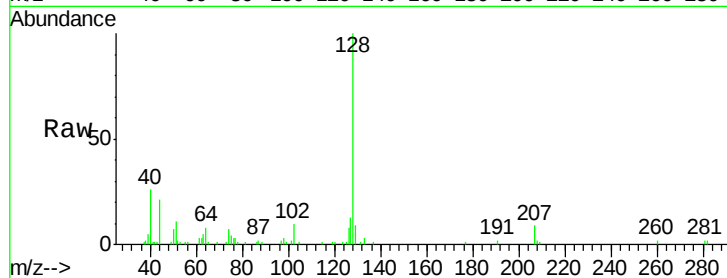
Tot Ion:128 Resp: 11919

Ion Ratio Lower Upper

128 100

127 12.9 9.8 14.6

129 9.0 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

