

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046790.D
 Acq On : 18 Sep 2015 18:50
 Operator : FY/SY
 Sample : G3734-01
 Misc : 5.01gm/5mL/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Sep 19 00:11:05 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	6.32	168	173984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	233156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	210256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	100920	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	90678	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	6.22	113	93049	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	9.62	98	274137	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	12.85	95	103459	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	

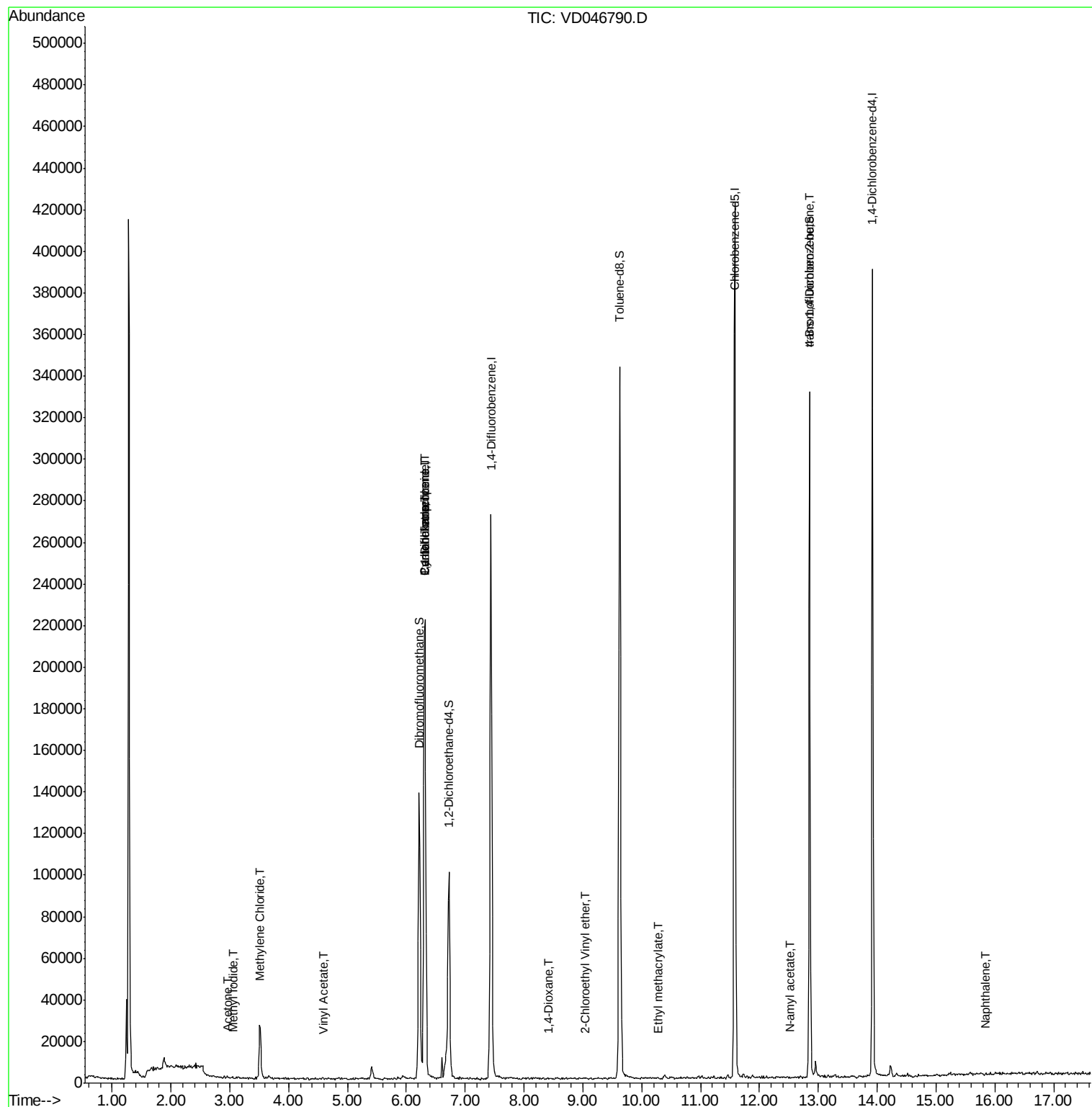
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.43	85	504	Below Cal	#	12
3) Chlorodifluoromethane	1.44	51	1035	Below Cal	#	88
6) Bromomethane	1.98	94	760	Below Cal	#	25
11) Methyl Iodide	3.05	142	148	1.81	ug/l	58
12) Tert butyl alcohol	3.67	59	1070	Below Cal	#	74
17) Acetone	2.95	43	788	2.58	ug/l	56
21) Methylene Chloride	3.51	84	12178	7.34	ug/l	88
24) Vinyl Acetate	4.60	43	118	15.09	ug/l	82
31) Cyclohexane	6.31	56	4792	1.76	ug/l	1
36) 1,1-Dichloropropene	6.31	75	16326	5.99	ug/l	52
38) Carbon Tetrachloride	6.32	117	16437	5.80	ug/l	16
49) 1,4-Dioxane	8.41	88	31	4.75	ug/l	20
56) Ethyl methacrylate	10.29	69	351	4.15	ug/l	47
58) 2-Chloroethyl Vinyl ether	9.04	63	59	6.43	ug/l	53
74) N-amyl acetate	12.51	43	83	4.75	ug/l	54
81) trans-1,4-Dichloro-2-buten	12.85	75	51538	144.76	ug/l	9
95) Naphthalene	15.83	128	363	2.54	ug/l	70

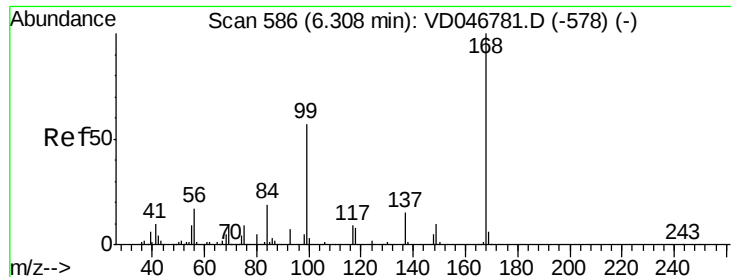
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.32 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD046790.D

Acq: 18 Sep 2015 18:50

Instrument :

MSVOA_D

ClientSampleId :

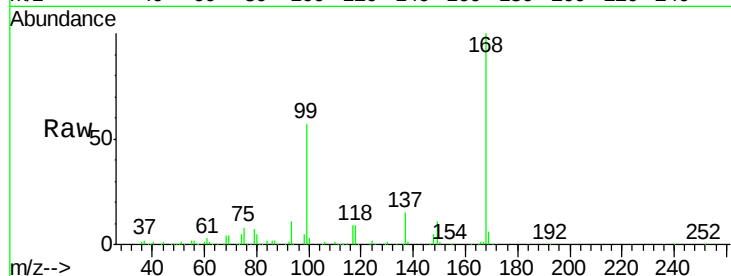
VOC

Tgt Ion:168 Resp: 173984

Ion Ratio Lower Upper

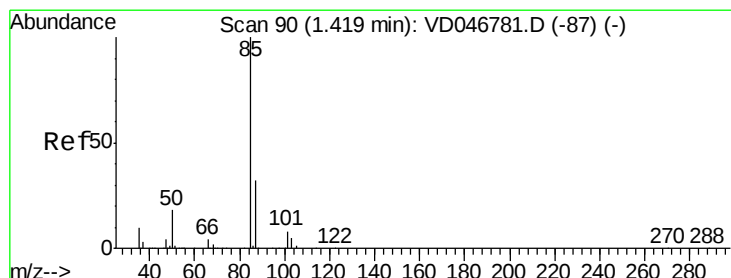
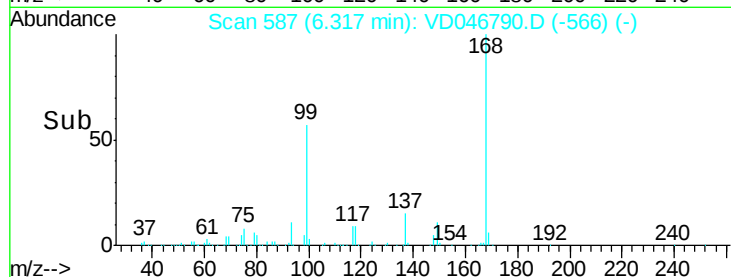
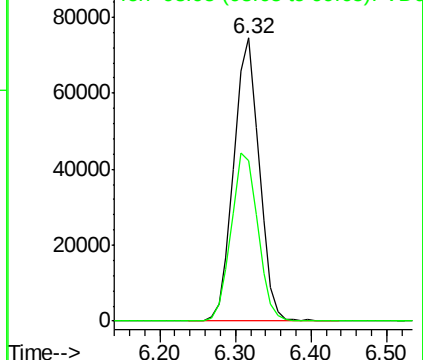
168 100

99 56.7 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: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VD046790.D

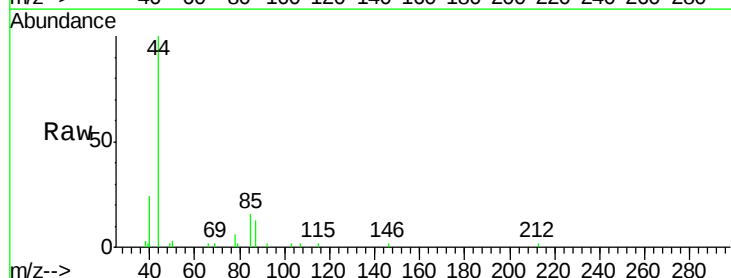
Acq: 18 Sep 2015 18:50

Tgt Ion: 85 Resp: 504

Ion Ratio Lower Upper

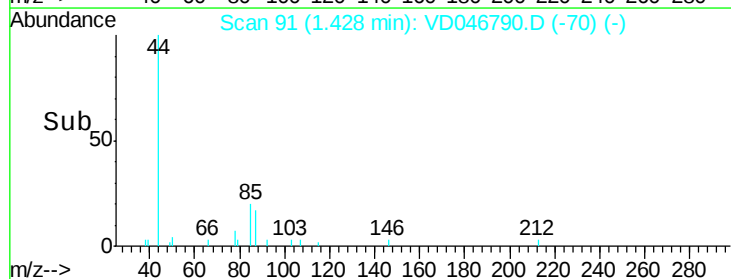
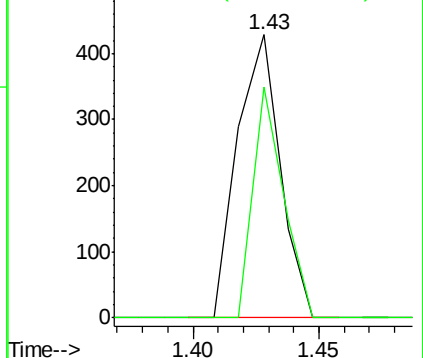
85 100

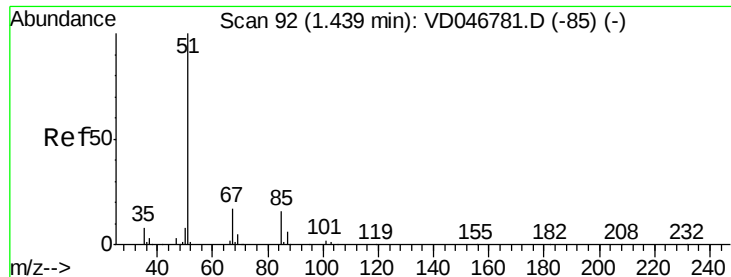
87 81.8 16.2 48.5#



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: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VD046790.D

Acq: 18 Sep 2015 18:50

Instrument :

MSVOA_D

ClientSampleId :

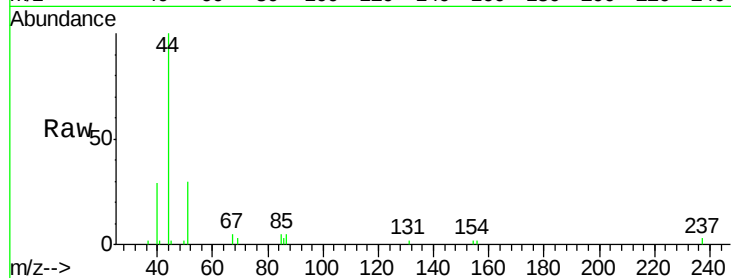
VOC

Tgt Ion: 51 Resp: 1035

Ion Ratio Lower Upper

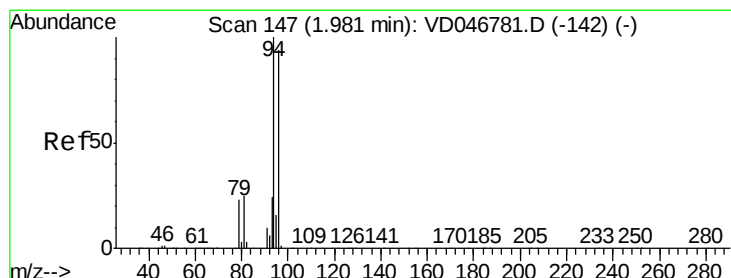
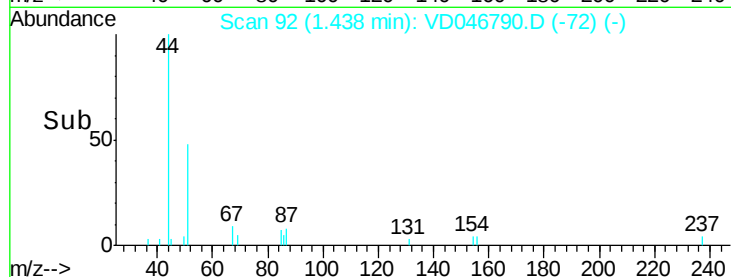
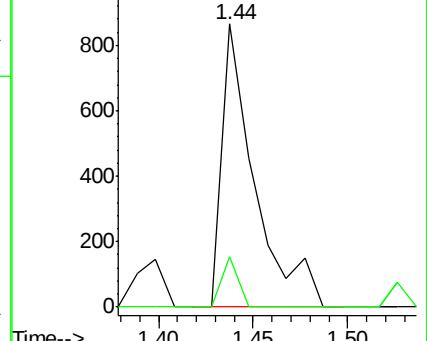
51 100

67 8.9 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: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VD046790.D

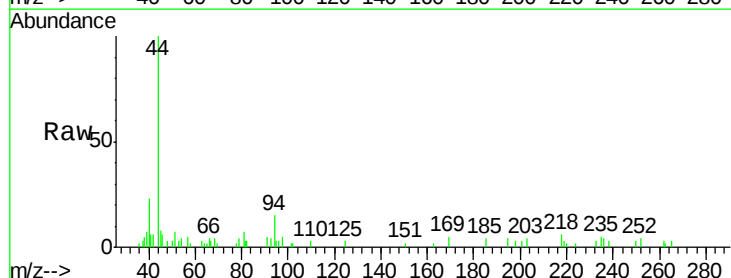
Acq: 18 Sep 2015 18:50

Tgt Ion: 94 Resp: 760

Ion Ratio Lower Upper

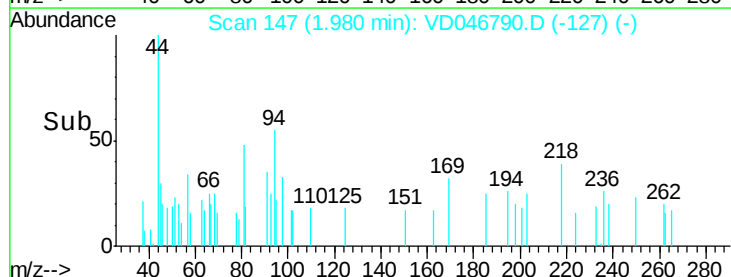
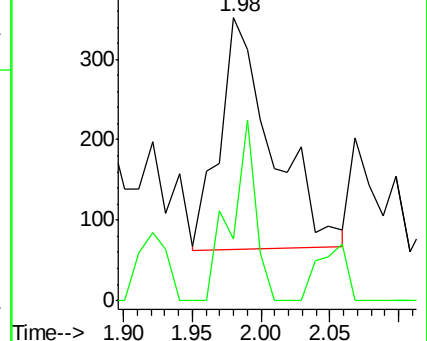
94 100

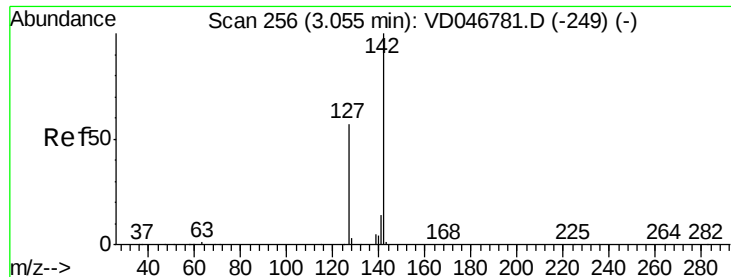
96 21.9 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

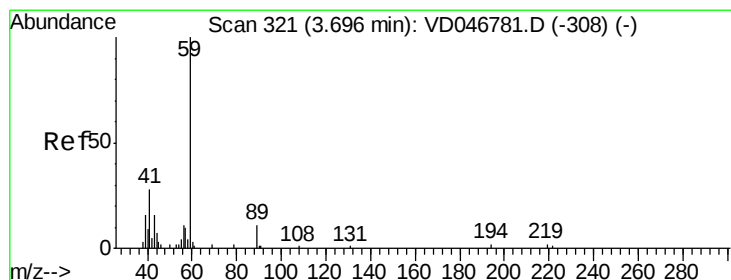
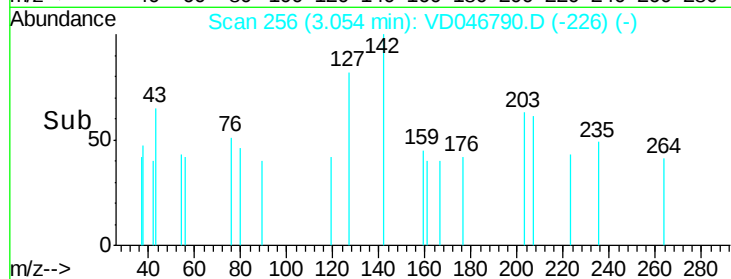
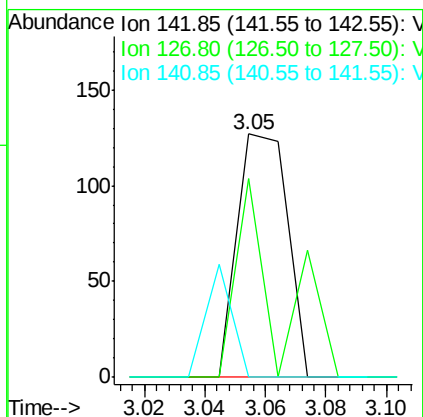
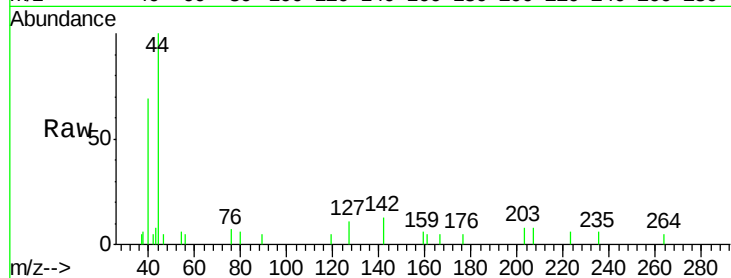




#11
Methyl Iodide
Concen: 1.81 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.00 min
Lab File: VD046790.D
Acq: 18 Sep 2015 18:50

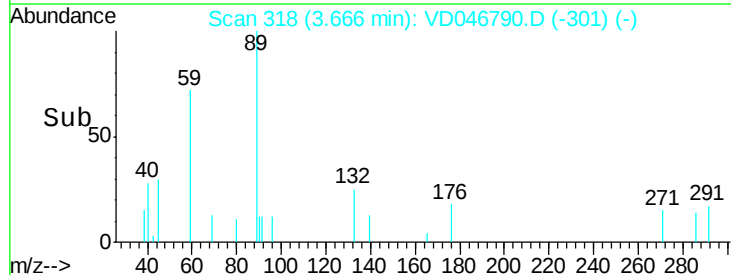
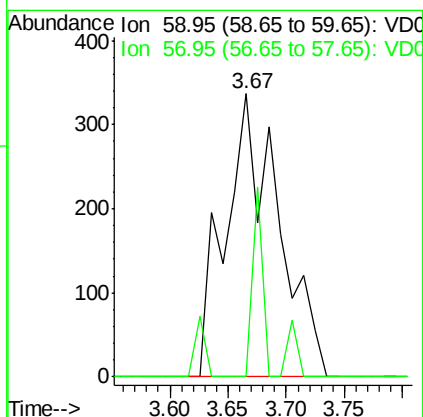
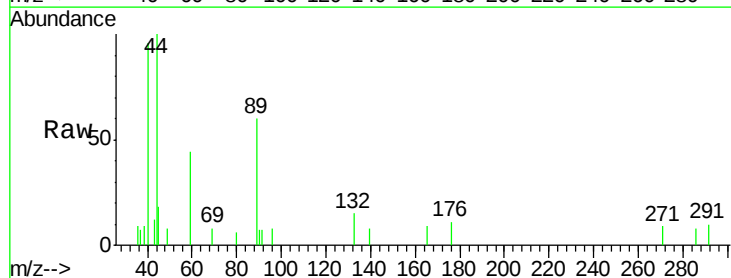
Instrument :
MSVOA_D
ClientSampled :
VOC

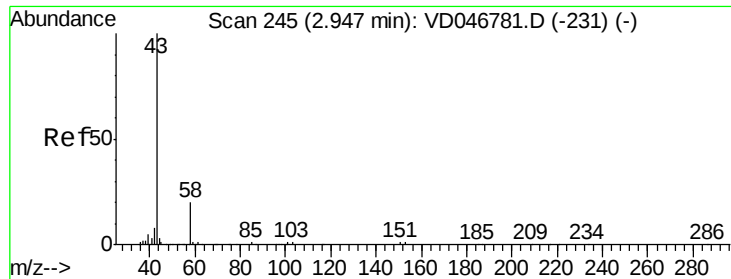
Tgt Ion:142 Resp: 148
Ion Ratio Lower Upper
142 100
127 81.9 41.2 61.8#
141 0.0 11.6 17.4#



#12
Tert butyl alcohol
Concen: Below Cal
RT: 3.67 min Scan# 318
Delta R.T. -0.03 min
Lab File: VD046790.D
Acq: 18 Sep 2015 18:50

Tgt Ion: 59 Resp: 1070
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#17

Acetone

Concen: 2.58 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VD046790.D

Acq: 18 Sep 2015 18:50

Instrument :

MSVOA_D

ClientSampleId :

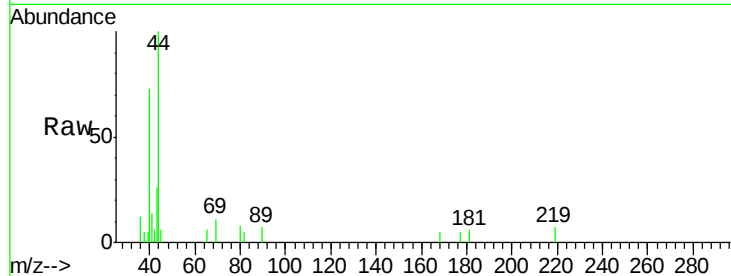
VOC

Tgt Ion: 43 Resp: 788

Ion Ratio Lower Upper

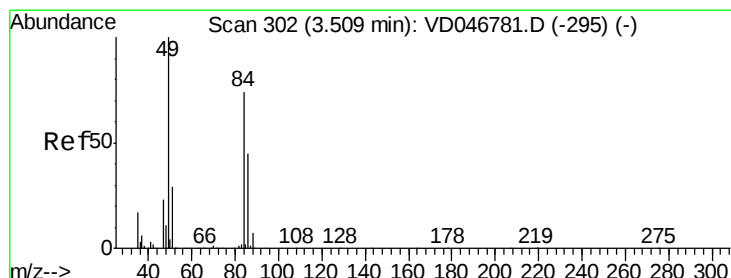
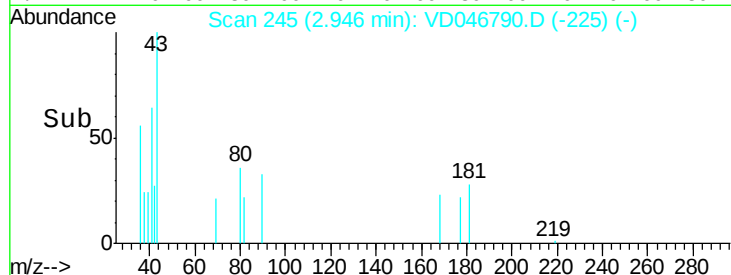
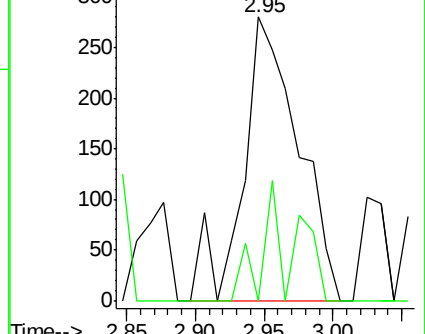
43 100

58 0.0 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: 7.34 ug/l

RT: 3.51 min Scan# 302

Delta R.T. -0.00 min

Lab File: VD046790.D

Acq: 18 Sep 2015 18:50

Tgt Ion: 84 Resp: 12178

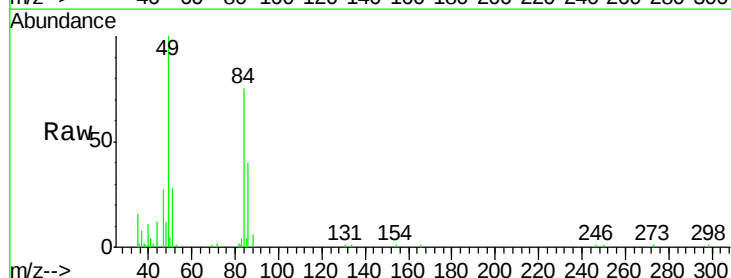
Ion Ratio Lower Upper

84 100

49 133.4 122.1 183.1

51 37.2 33.6 50.4

86 53.8 48.3 72.5

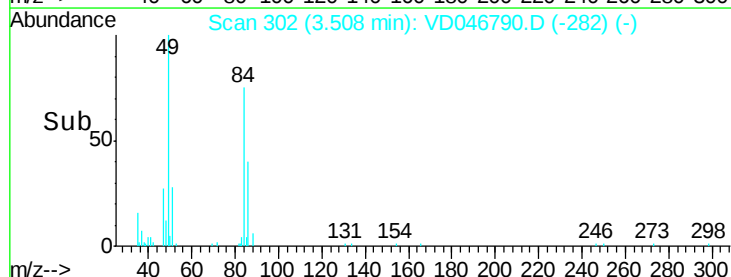
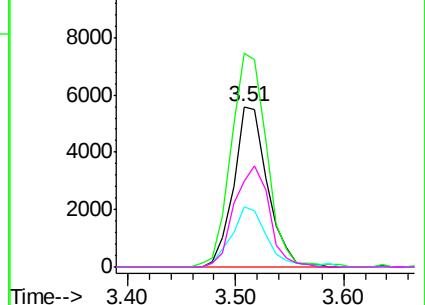


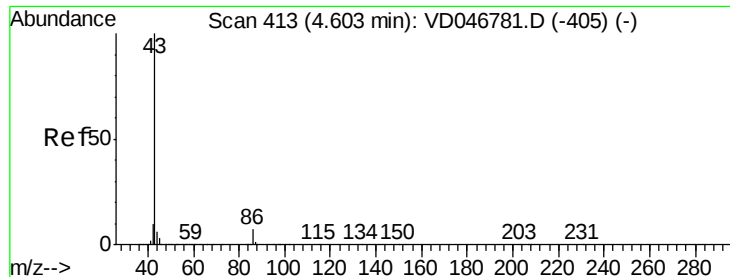
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#24

Vinyl Acetate

Concen: 15.09 ug/l

RT: 4.60 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD046790.D

Acq: 18 Sep 2015 18:50

Instrument :

MSVOA_D

ClientSampleId :

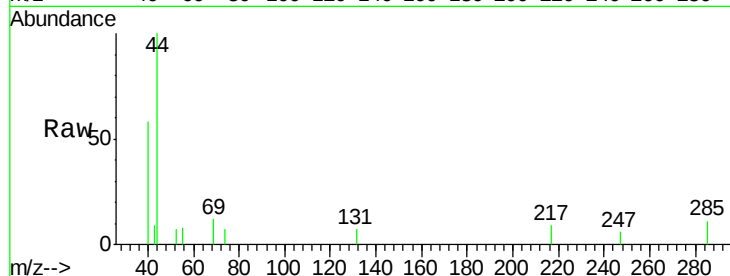
VOC

Tgt Ion: 43 Resp: 118

Ion Ratio Lower Upper

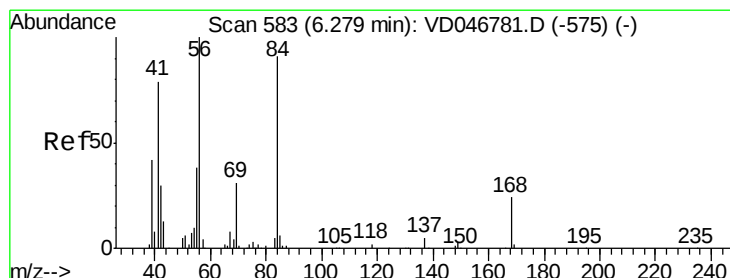
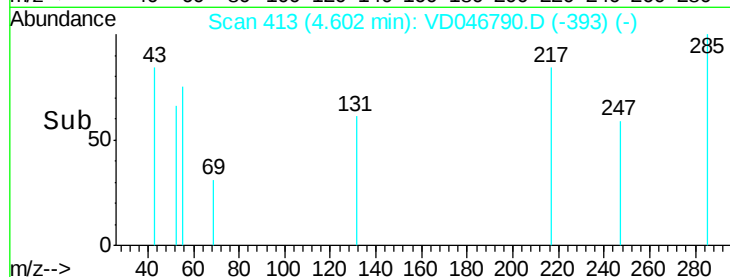
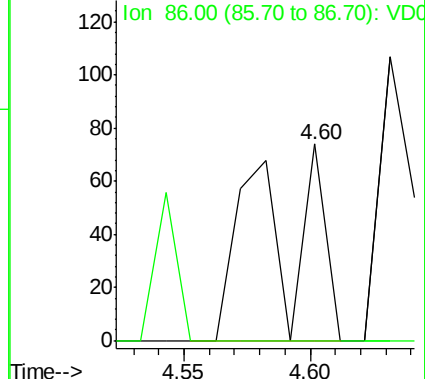
43 100

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



#31

Cyclohexane

Concen: 1.76 ug/l

RT: 6.31 min Scan# 586

Delta R.T. 0.03 min

Lab File: VD046790.D

Acq: 18 Sep 2015 18:50

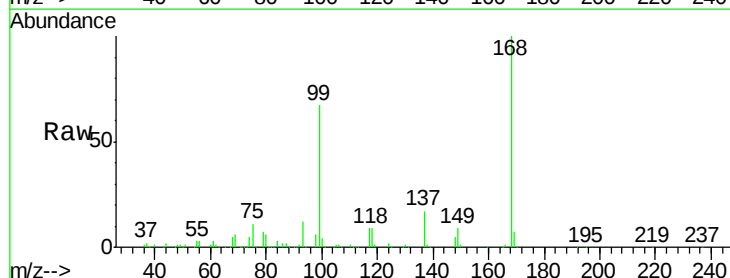
Tgt Ion: 56 Resp: 4792

Ion Ratio Lower Upper

56 100

69 214.4 23.4 35.0#

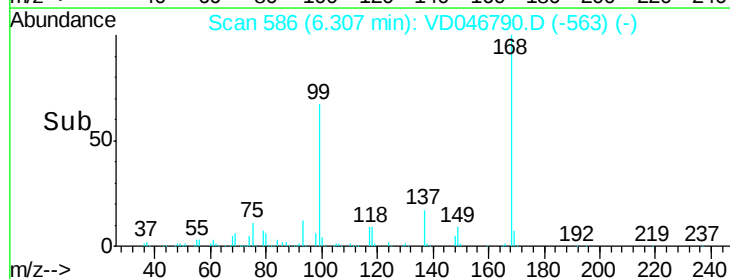
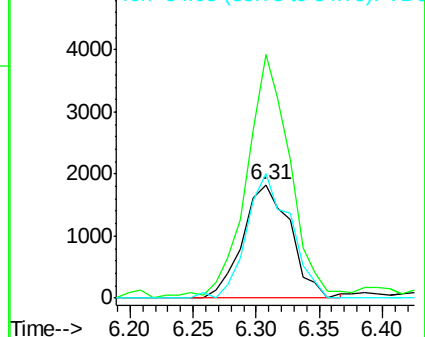
84 110.1 63.8 95.8#

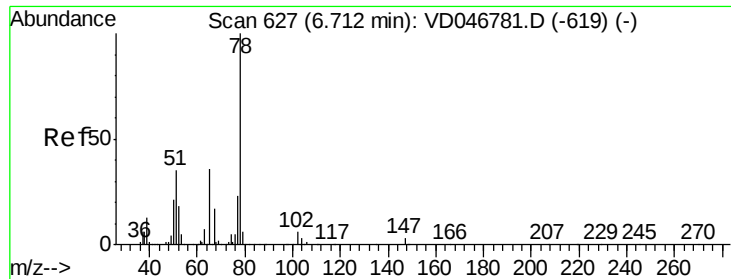


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

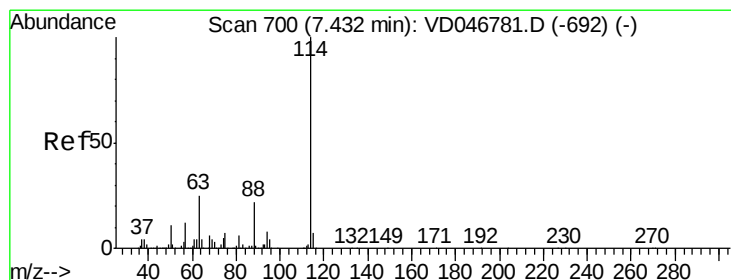
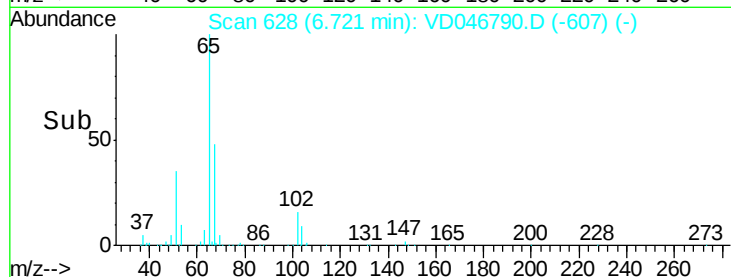
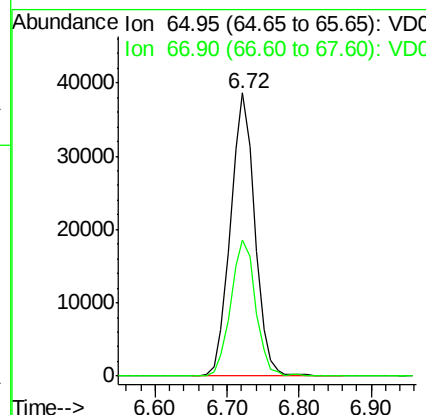
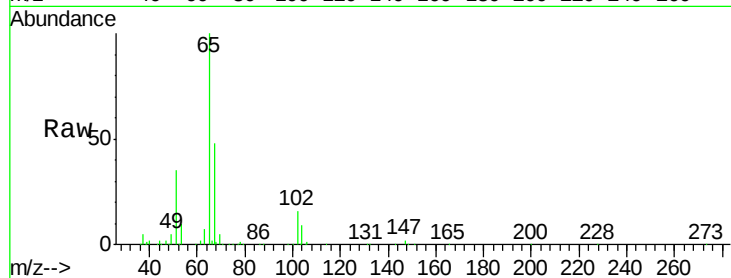




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.72 min Scan# 628
 Delta R.T. 0.01 min
 Lab File: VD046790.D
 Acq: 18 Sep 2015 18:50

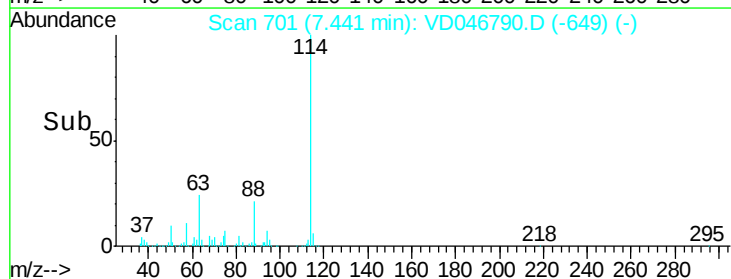
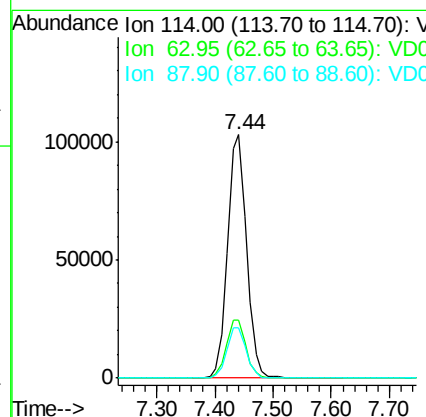
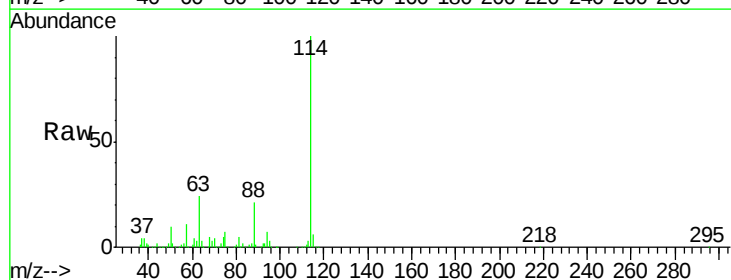
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

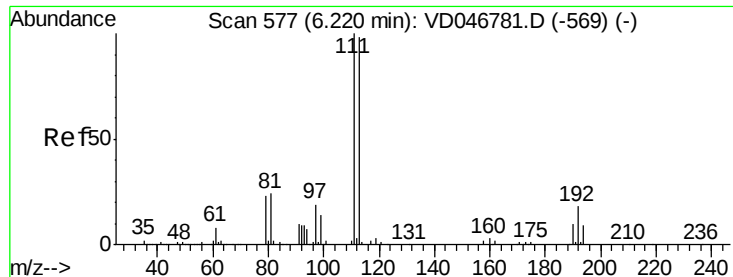
Tgt Ion: 65 Resp: 90678
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. 0.01 min
 Lab File: VD046790.D
 Acq: 18 Sep 2015 18:50

Tgt Ion: 114 Resp: 233156
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 49.8
 88 20.6 0.0 43.6

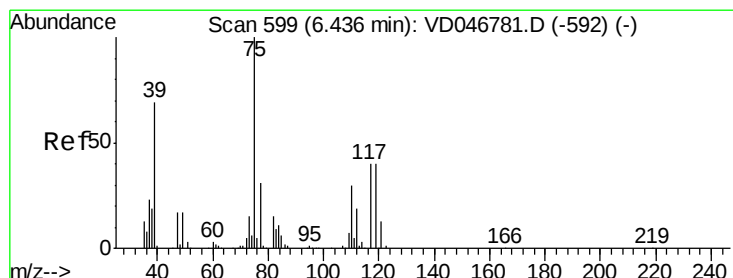
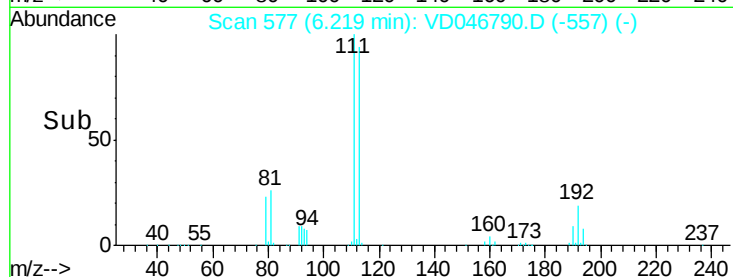
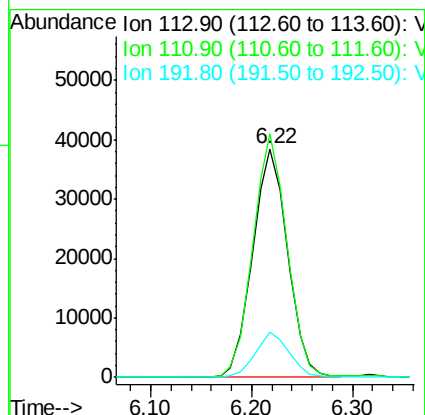
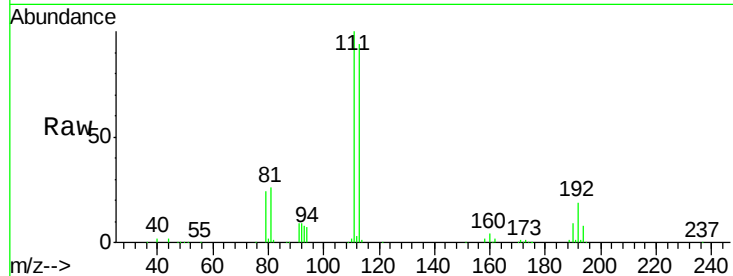




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.22 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VD046790.D
 Acq: 18 Sep 2015 18:50

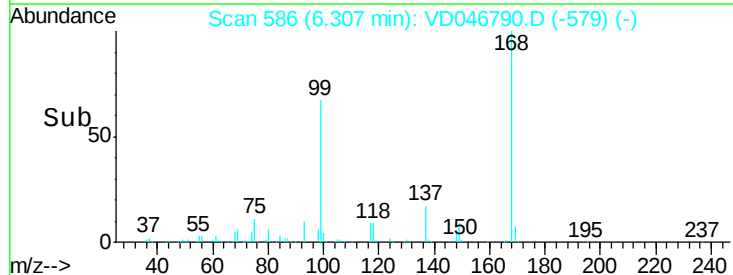
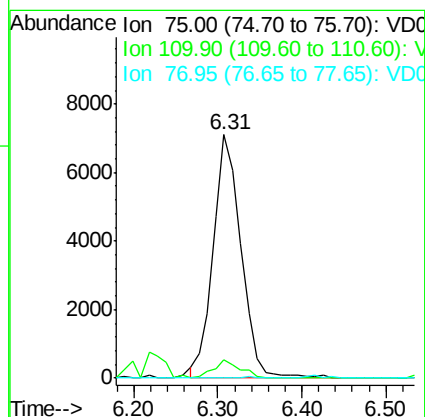
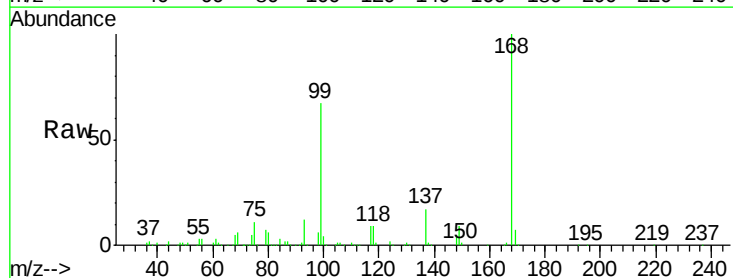
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

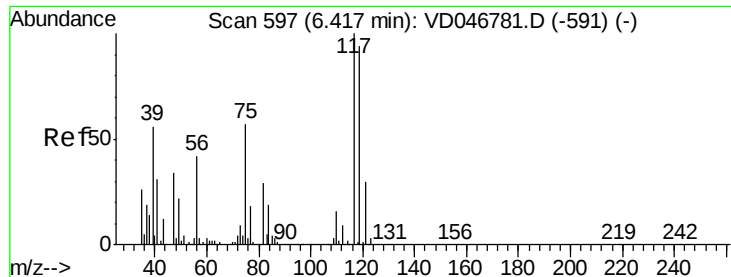
Tgt Ion:113 Resp: 93049
 Ion Ratio Lower Upper
 113 100
 111 106.6 79.4 119.0
 192 19.9 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 5.99 ug/l
 RT: 6.31 min Scan# 586
 Delta R.T. -0.13 min
 Lab File: VD046790.D
 Acq: 18 Sep 2015 18:50

Tgt Ion: 75 Resp: 16326
 Ion Ratio Lower Upper
 75 100
 110 7.5 13.7 41.0#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.80 ug/l

RT: 6.32 min Scan# 587

Delta R.T. -0.10 min

Lab File: VD046790.D

Acq: 18 Sep 2015 18:50

Instrument :

MSVOA_D

ClientSampleId :

VOC

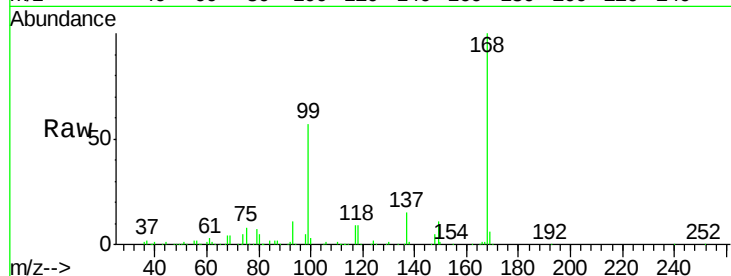
Tgt Ion:117 Resp: 16437

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.4#

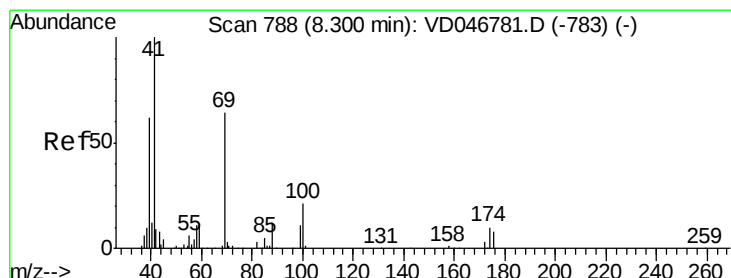
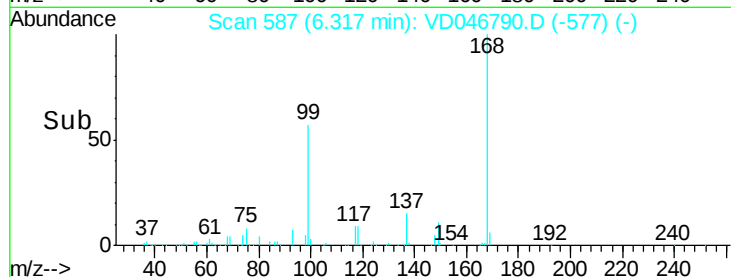
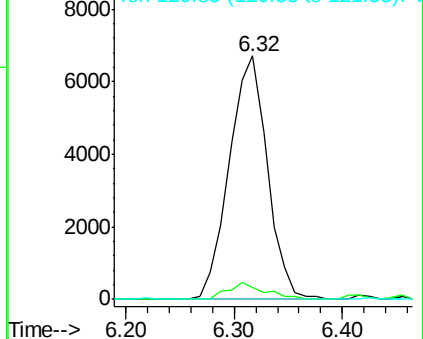
121 0.0 24.5 36.7#



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: 4.75 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.11 min

Lab File: VD046790.D

Acq: 18 Sep 2015 18:50

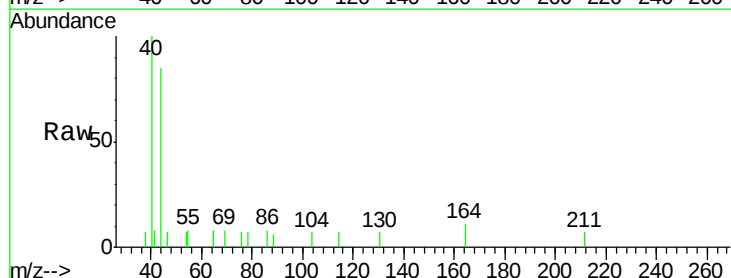
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 0.0 50.0 75.0#

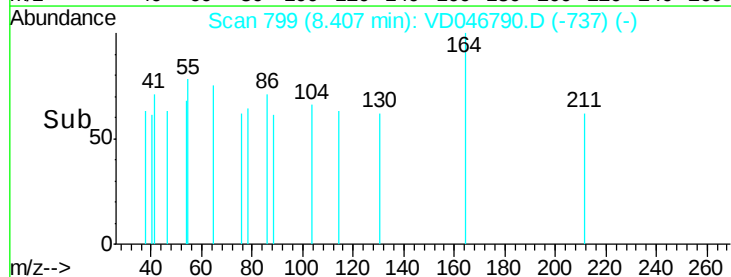
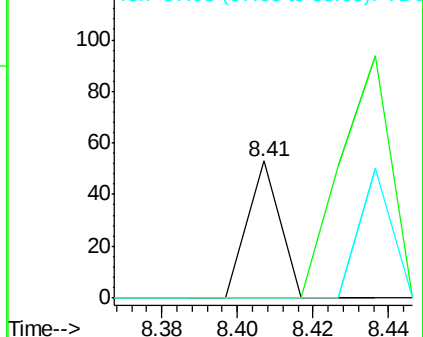
58 0.0 48.3 72.5#

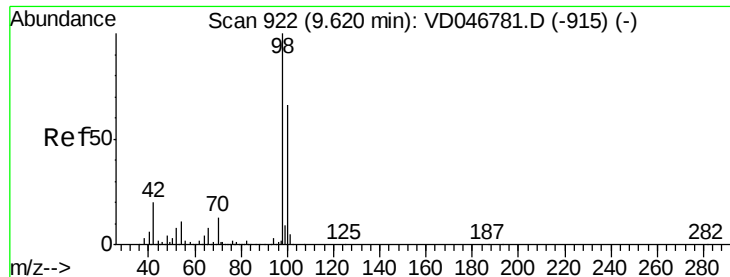


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 4.75 ug/l

RT: 9.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD046790.D

Acq: 18 Sep 2015 18:50

Instrument :

MSVOA_D

ClientSampled :

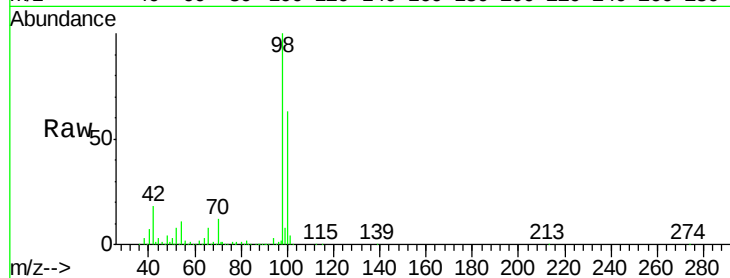
VOC

Tgt Ion: 98 Resp: 274137

Ion Ratio Lower Upper

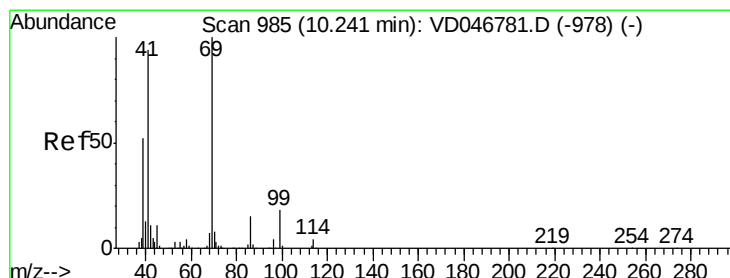
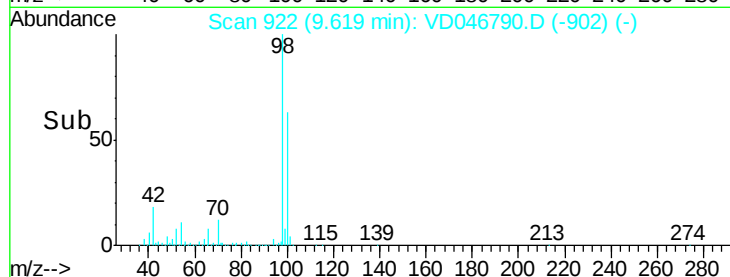
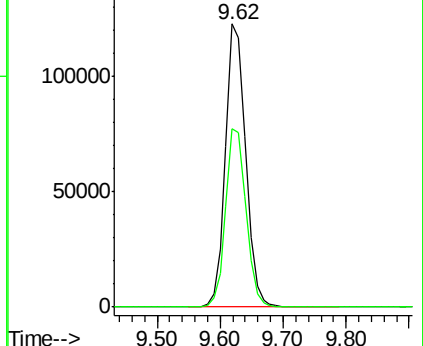
98 100

100 62.8 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: 4.15 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.05 min

Lab File: VD046790.D

Acq: 18 Sep 2015 18:50

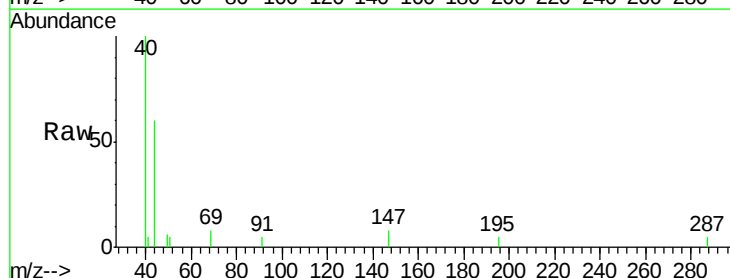
Tgt Ion: 69 Resp: 351

Ion Ratio Lower Upper

69 100

41 54.1 75.4 113.0#

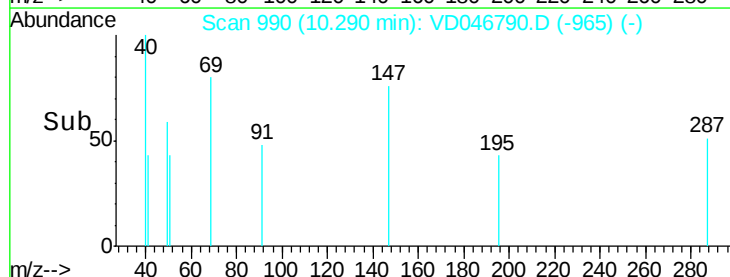
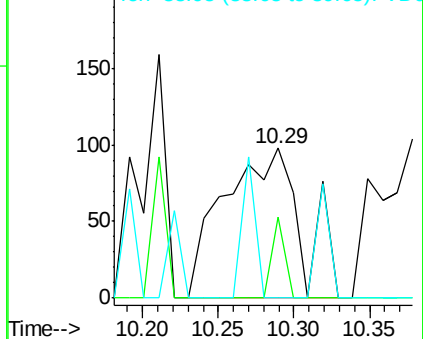
39 0.0 41.0 61.4#

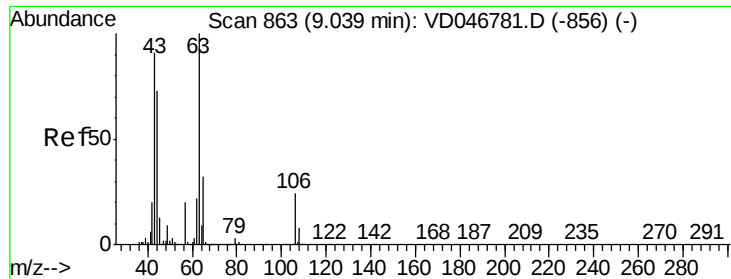


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

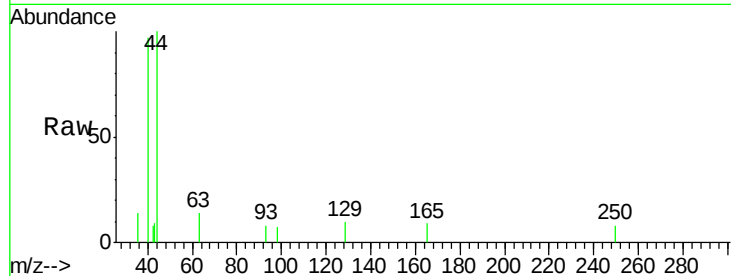




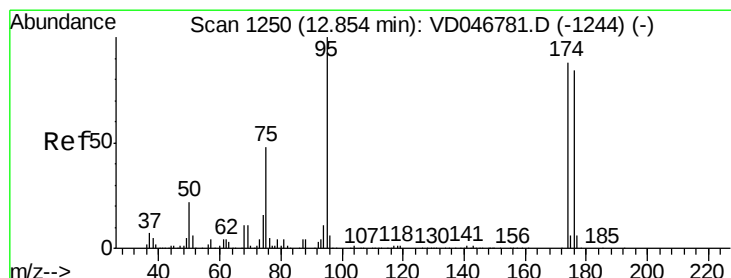
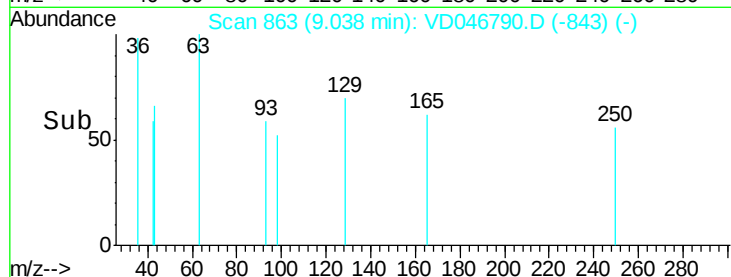
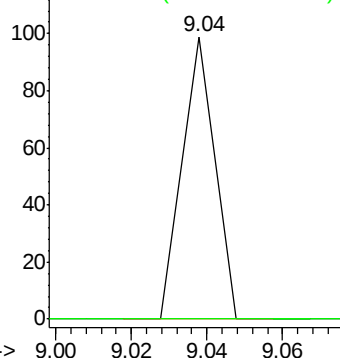
#58
 2-Chloroethyl Vinyl ether
 Concen: 6.43 ug/l
 RT: 9.04 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VD046790.D
 Acq: 18 Sep 2015 18:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Tgt Ion: 63 Resp: 59
 Ion Ratio Lower Upper
 63 100
 106 0.0 17.8 26.8#

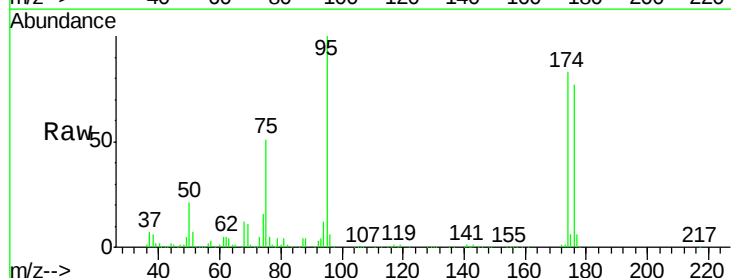


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

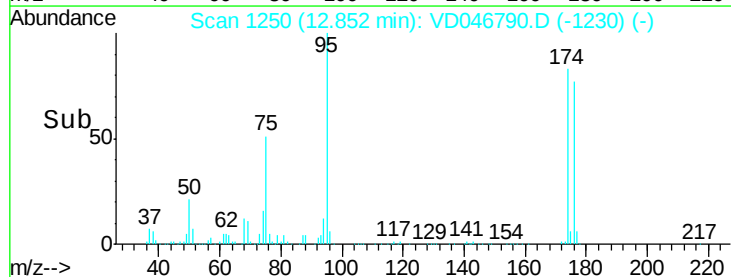
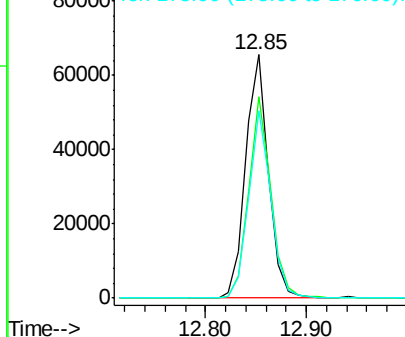


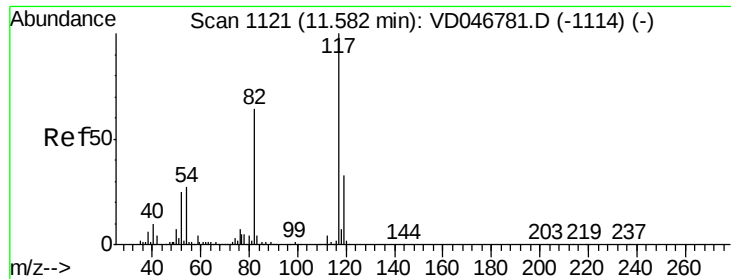
#62
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 12.85 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VD046790.D
 Acq: 18 Sep 2015 18:50

Tgt Ion: 95 Resp: 103459
 Ion Ratio Lower Upper
 95 100
 174 82.5 0.0 149.8
 176 77.2 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): VDC
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

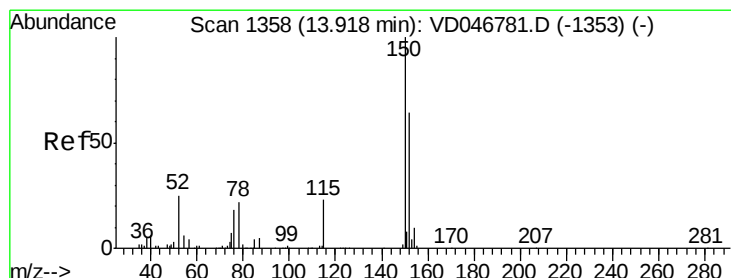
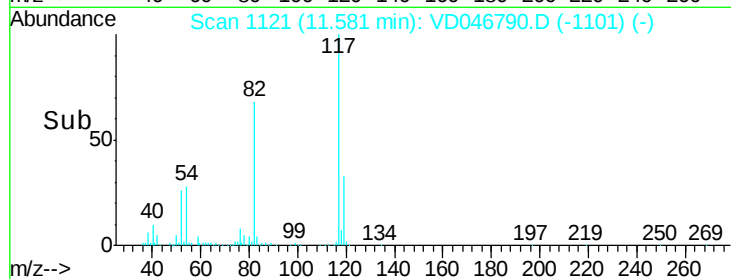
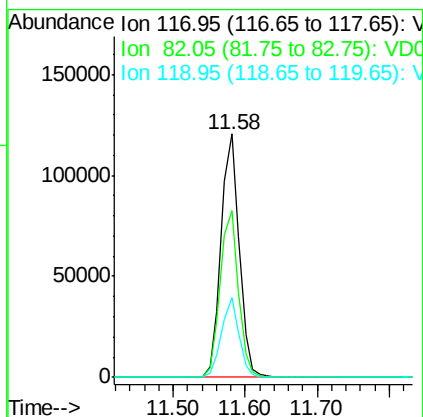
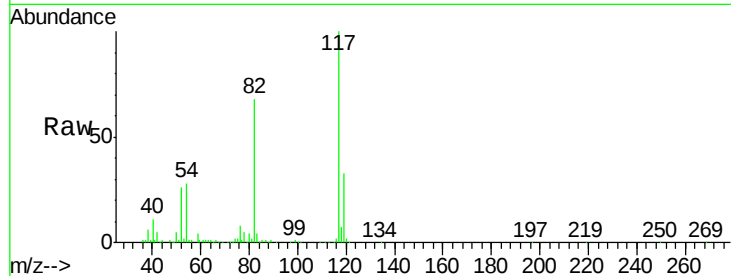




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VD046790.D
Acq: 18 Sep 2015 18:50

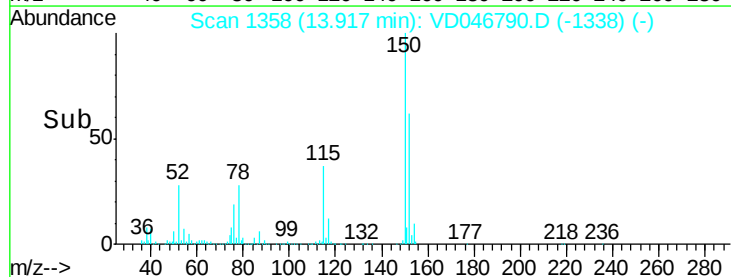
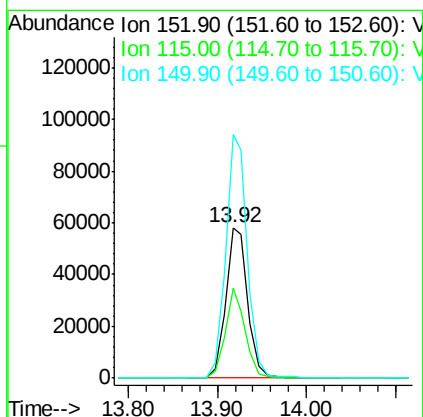
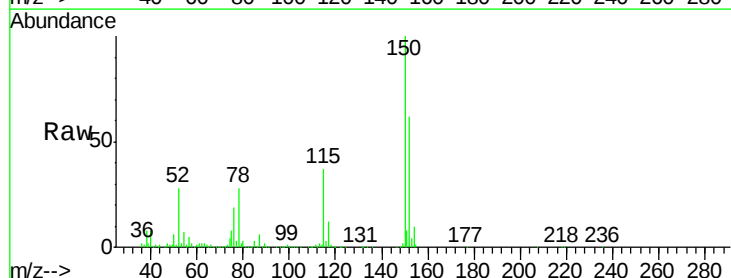
Instrument :
MSVOA_D
ClientSampleId :
VOC

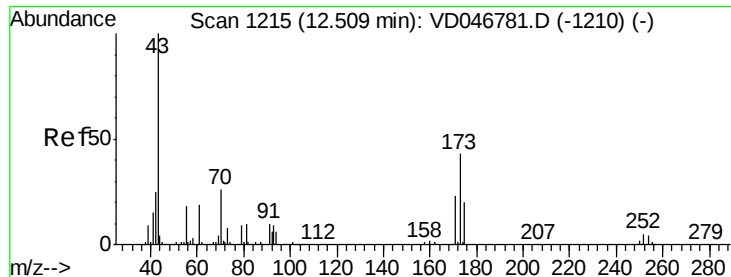
Tgt Ion:117 Resp: 210256
Ion Ratio Lower Upper
117 100
82 68.5 50.6 75.8
119 32.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD046790.D
Acq: 18 Sep 2015 18:50

Tgt Ion:152 Resp: 100920
Ion Ratio Lower Upper
152 100
115 59.8 26.2 78.6
150 161.7 0.0 311.8

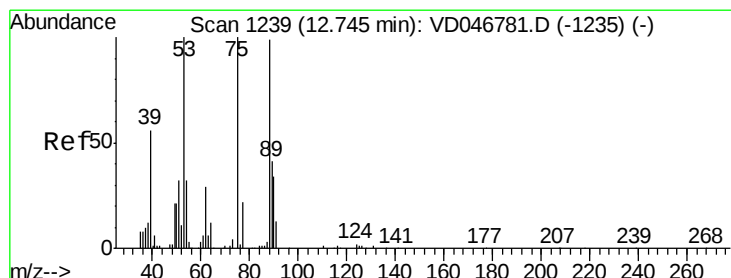
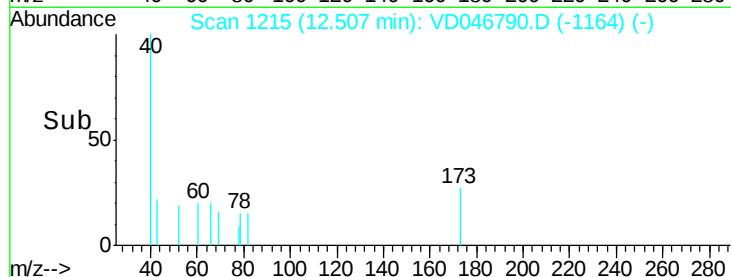
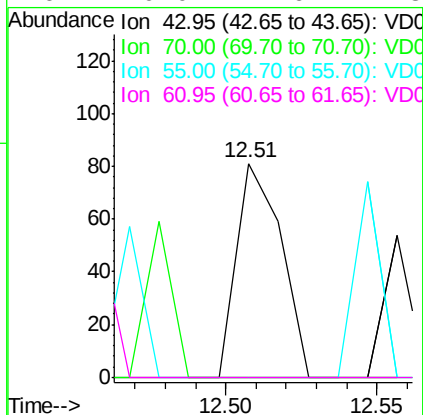
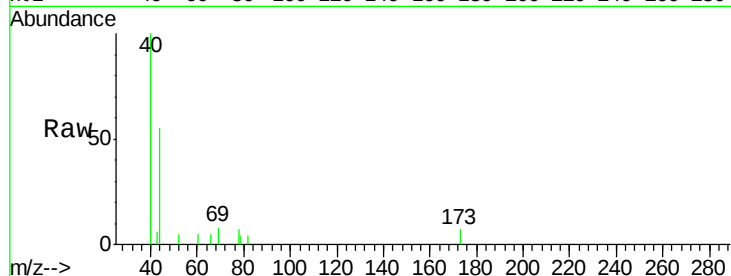




#74
N-ethyl acetate
Concen: 4.75 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. -0.00 min
Lab File: VD046790.D
Acq: 18 Sep 2015 18:50

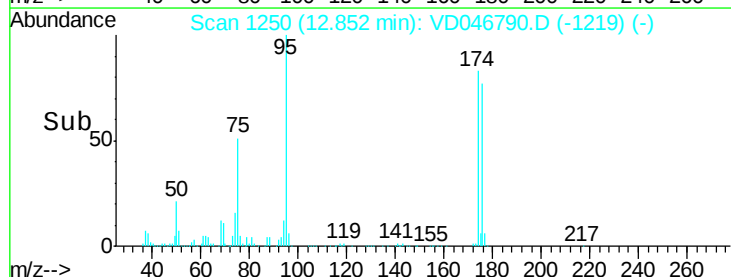
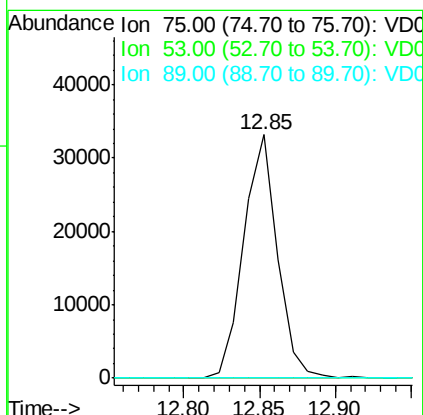
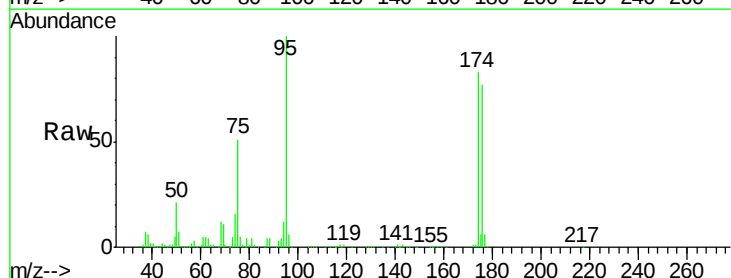
Instrument :
MSVOA_D
ClientSampled :
VOC

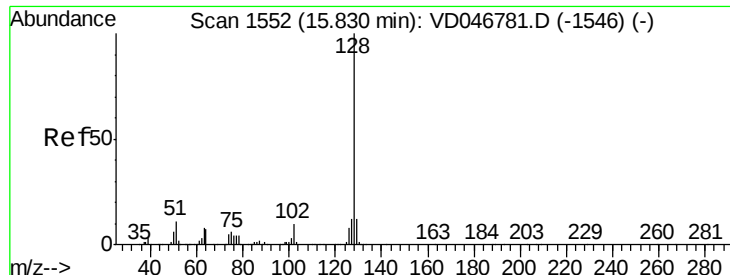
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
70 0.0 22.1 33.1#
55 0.0 14.5 21.7#
61 0.0 14.6 21.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.76 ug/l
RT: 12.85 min Scan# 1250
Delta R.T. 0.11 min
Lab File: VD046790.D
Acq: 18 Sep 2015 18:50

Tgt Ion: 75 Resp: 51538
Ion Ratio Lower Upper
75 100
53 0.3 82.3 123.5#
89 0.0 36.6 54.8#





#95

Naphthalene

Concen: 2.54 ug/l

RT: 15.83 min Scan# 1552

Delta R.T. -0.00 min

Lab File: VD046790.D

Acq: 18 Sep 2015 18:50

Instrument :

MSVOA_D

ClientSampleId :

VOC

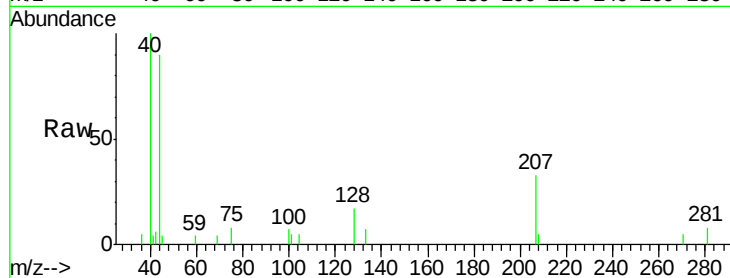
Tgt Ion:128 Resp: 363

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.6#

129 0.0 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

