

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN092115\
 Data File : VN027364.D
 Acq On : 22 Sep 2015 7:34
 Operator : MD\FY
 Sample : G3754-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12B

Quant Time: Sep 22 08:27:06 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 13:12:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	700024	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1285494	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1124917	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	427426	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) 1,2-Dichloroethane-d4	8.12	65	731626	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
36) Dibromofluoromethane	7.68	113	454473	54.18	ug/l	0.00
Spiked Amount			Recovery	=	108.36%	
51) Toluene-d8	10.19	98	1908014	58.84	ug/l	0.00
Spiked Amount			Recovery	=	117.68%	
63) 4-Bromofluorobenzene	12.52	95	664462	56.40	ug/l	0.00
Spiked Amount			Recovery	=	112.80%	

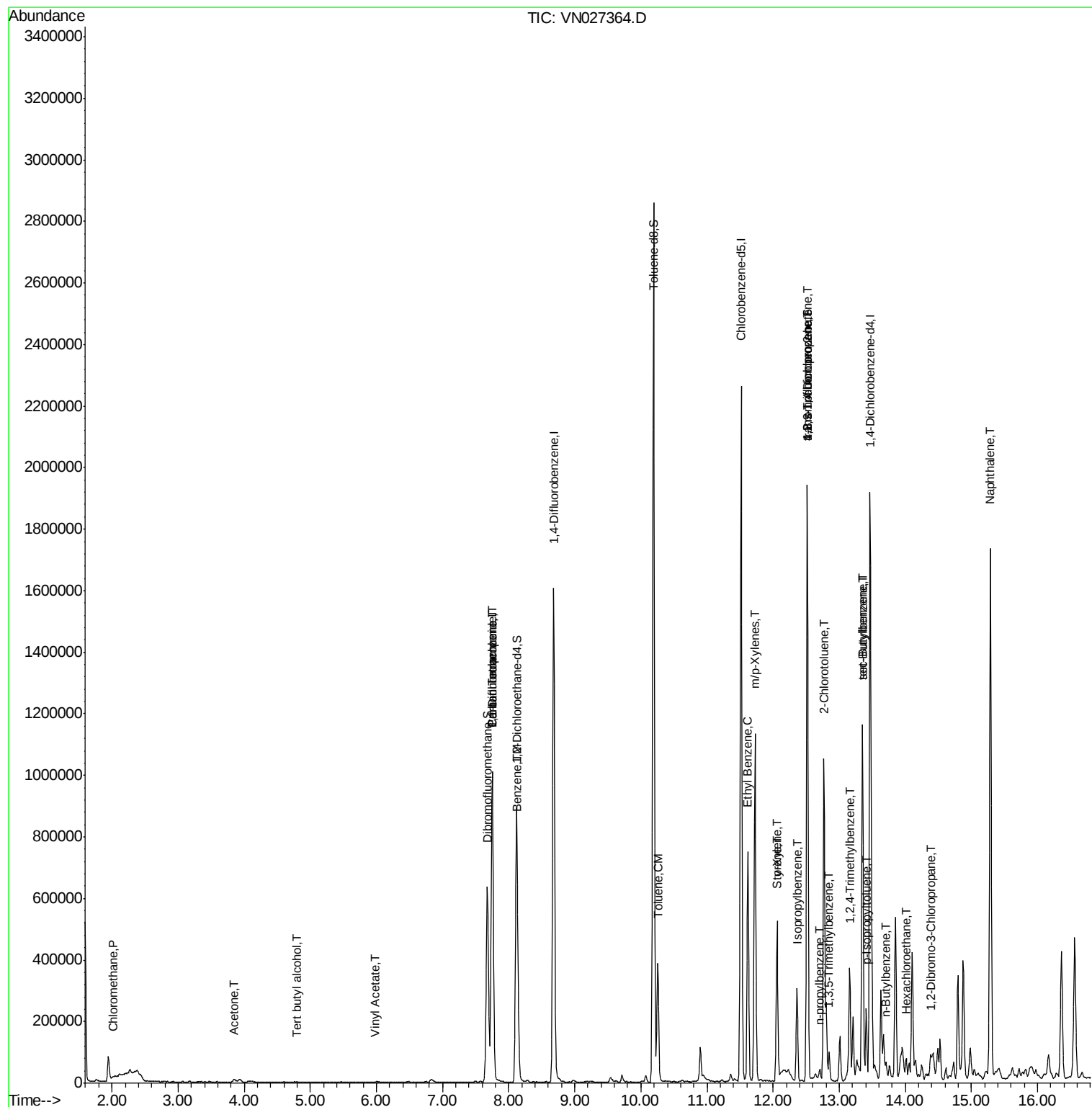
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	1759	0.21	ug/l #	65
12) Tert butyl alcohol	4.80	59	412	0.38	ug/l #	74
17) Acetone	3.85	43	19461	5.22	ug/l #	82
24) Vinyl Acetate	5.98	43	151	9.29	ug/l #	76
32) Cyclohexane	7.75	56	23982	Below Cal	#	4
37) 1,1-Dichloropropene	7.75	75	75333	5.44	ug/l #	50
39) Carbon Tetrachloride	7.75	117	80822	6.20	ug/l #	16
41) Benzene	8.14	78	110211	2.74	ug/l	100
53) Toluene	10.26	92	160782	6.76	ug/l	98
68) Ethyl Benzene	11.62	91	532955	11.71	ug/l	99
69) m/p-Xylenes	11.72	106	311402	19.74	ug/l	89
70) o-Xylene	12.06	106	123529	7.75	ug/l	90
71) Styrene	12.07	104	21659	0.85	ug/l #	1
74) Isopropylbenzene	12.36	105	192986	4.51	ug/l	96
77) 1,2,3-Trichloropropane	12.52	75	385804	35.95	ug/l #	1
79) n-propylbenzene	12.71	91	25299	0.50	ug/l	97
80) 2-Chlorotoluene	12.77	91	90141	2.89	ug/l #	44
81) 1,3,5-Trimethylbenzene	12.85	105	46211	1.34	ug/l	98
82) trans-1,4-Dichloro-2-buten	12.52	75	385804	92.19	ug/l #	4
84) tert-Butylbenzene	13.35	119	593637	21.27	ug/l #	62
85) 1,2,4-Trimethylbenzene	13.16	105	188807	5.48	ug/l	94
86) sec-Butylbenzene	13.35	105	26535	0.64	ug/l #	1
87) p-Isopropyltoluene	13.41	119	120371	3.86	ug/l	94
90) n-Butylbenzene	13.71	91	7009	0.23	ug/l #	1
91) Hexachloroethane	14.01	117	2021	0.30	ug/l #	15
93) 1,2-Dibromo-3-Chloropropan	14.39	75	1735	0.73	ug/l #	11
96) Naphthalene	15.29	128	1337181	57.83	ug/l	100

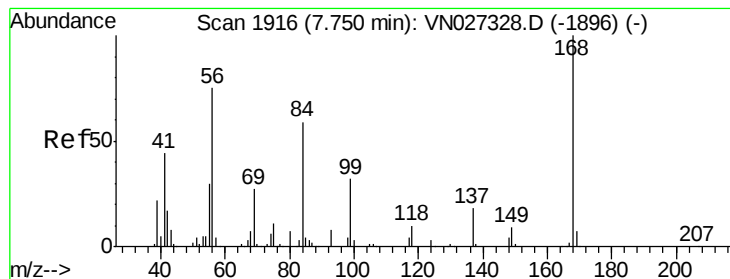
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN092115\
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Quant Title : SW846 8260
QLast Update : Mon Sep 21 13:12:32 2015
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VN027364.D

Acq: 22 Sep 2015 7:34

Instrument :

MSVOA_N

ClientSampleId :

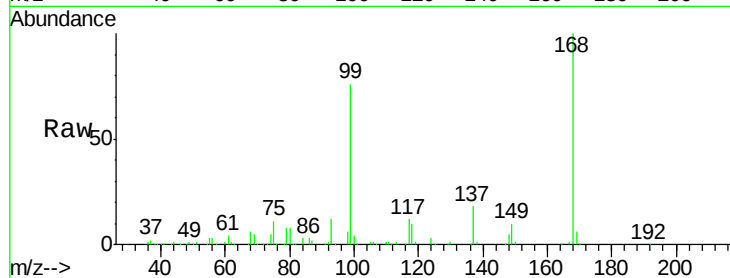
MW-12B

Tgt Ion:168 Resp: 700024

Ion Ratio Lower Upper

168 100

99 75.9 50.4 75.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.75

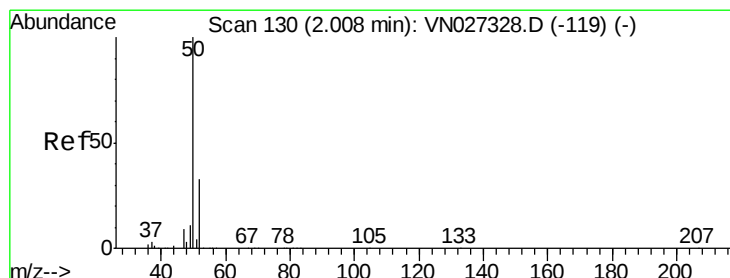
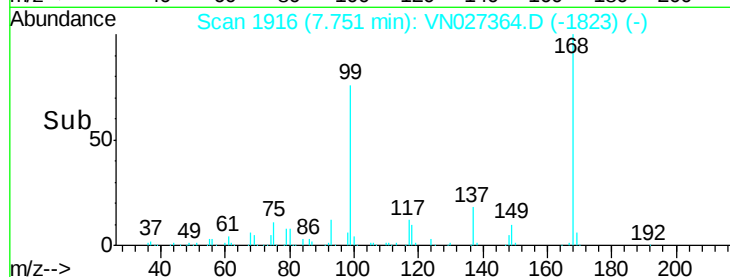
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 0.21 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027364.D

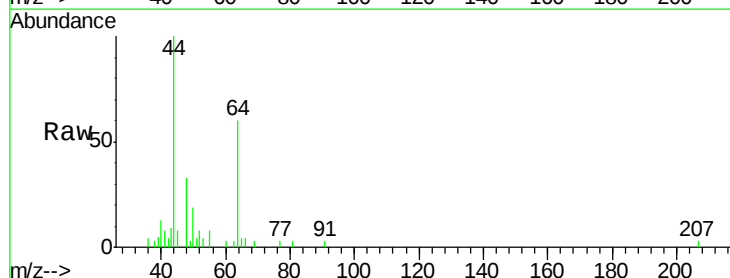
Acq: 22 Sep 2015 7:34

Tgt Ion: 50 Resp: 1759

Ion Ratio Lower Upper

50 100

52 52.2 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.01

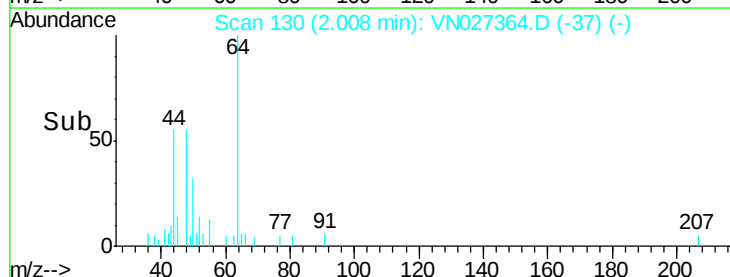
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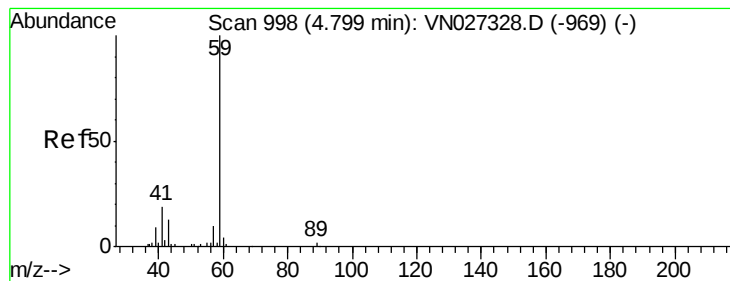
1000

500

0

Time-->





#12

Tert butyl alcohol

Concen: 0.38 ug/l

RT: 4.80 min Scan# 997

Delta R.T. -0.00 min

Lab File: VN027364.D

Acq: 22 Sep 2015 7:34

Instrument :

MSVOA_N

ClientSampled :

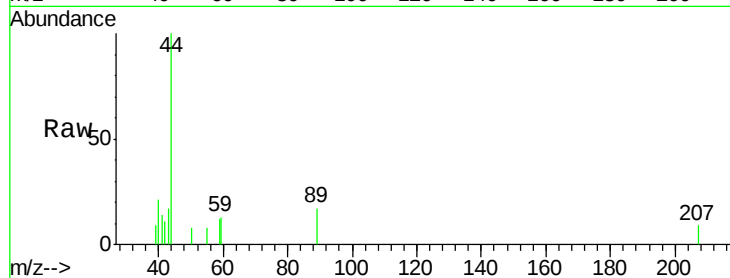
MW-12B

Tgt Ion: 59 Resp: 412

Ion Ratio Lower Upper

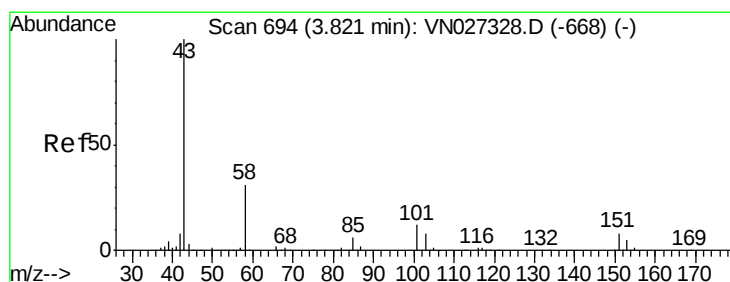
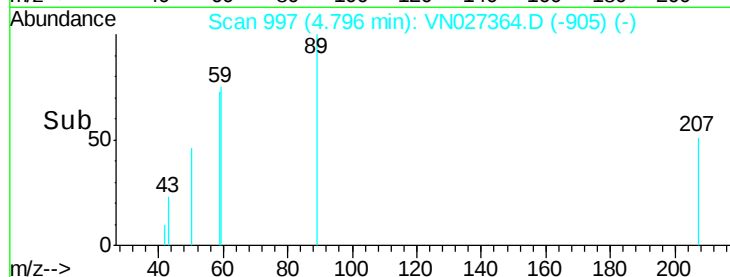
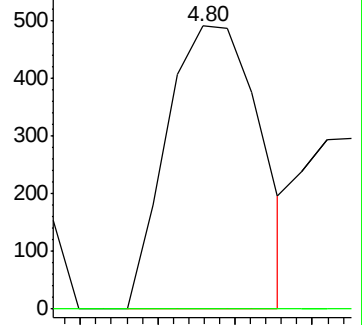
59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#17

Acetone

Concen: 5.22 ug/l

RT: 3.85 min Scan# 702

Delta R.T. 0.03 min

Lab File: VN027364.D

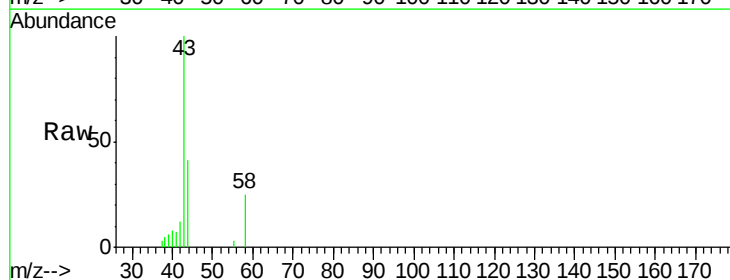
Acq: 22 Sep 2015 7:34

Tgt Ion: 43 Resp: 19461

Ion Ratio Lower Upper

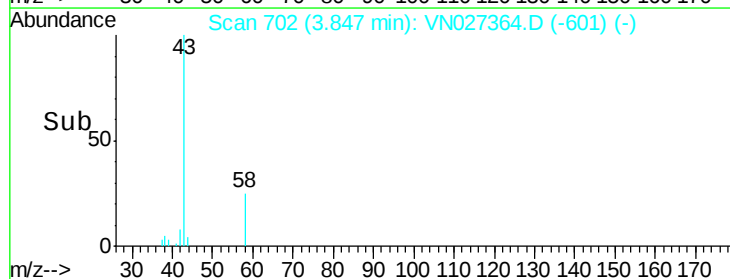
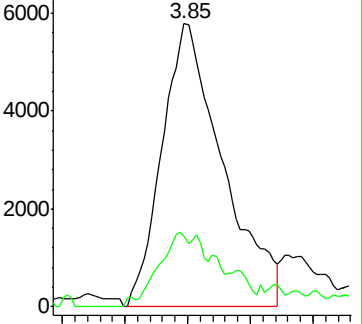
43 100

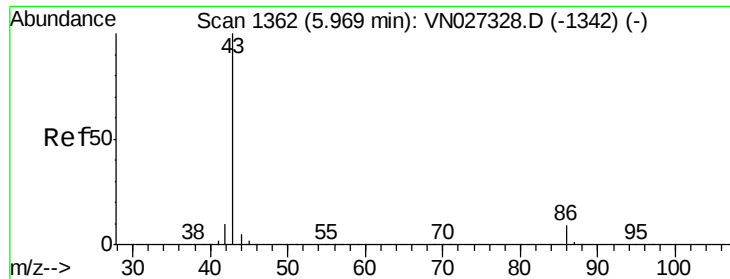
58 21.8 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

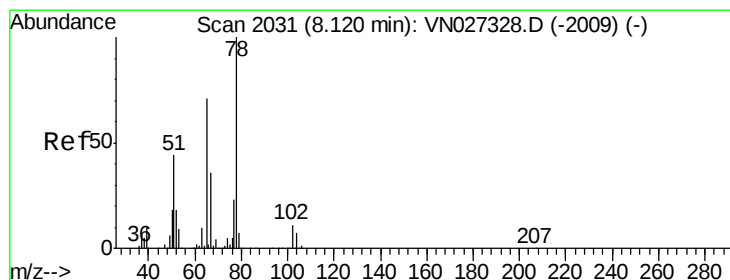
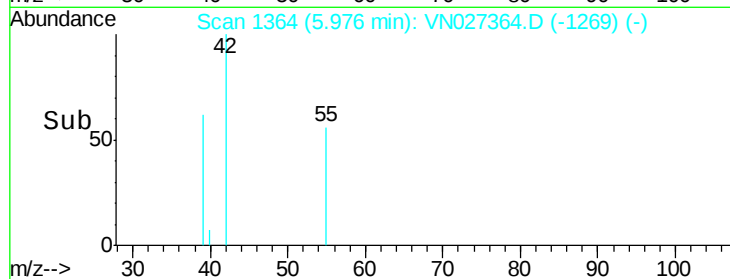
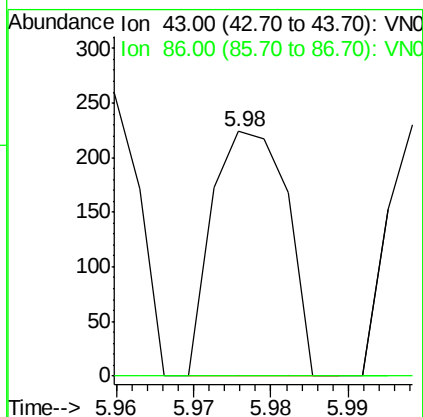
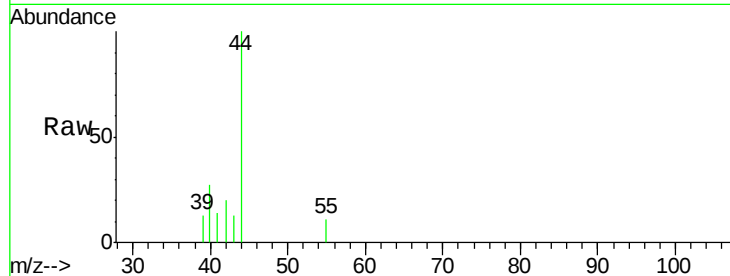




#24
 Vinyl Acetate
 Concen: 9.29 ug/l
 RT: 5.98 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VN027364.D
 Acq: 22 Sep 2015 7:34

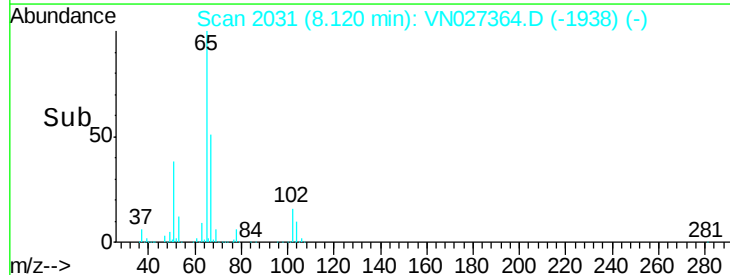
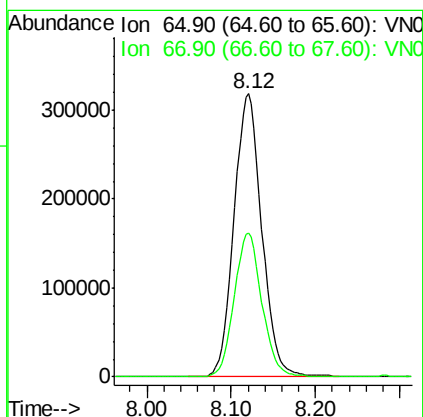
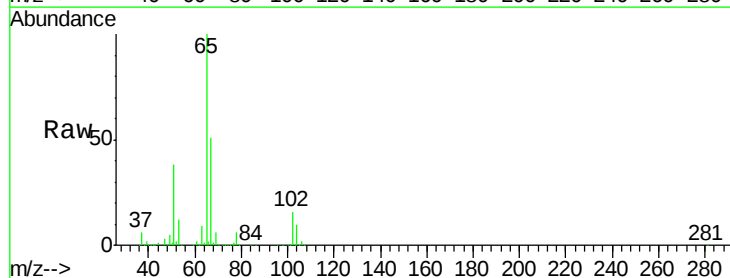
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12B

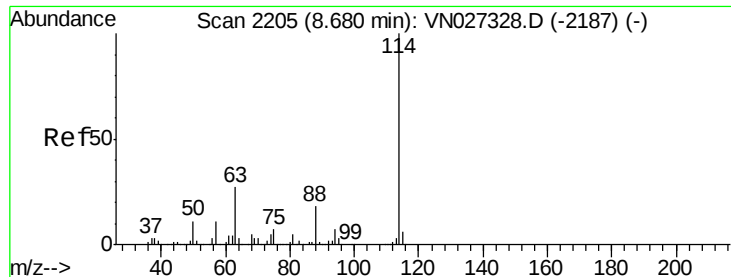
Tgt Ion: 43 Resp: 151
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.9 10.3#



#34
 1,2-Dichloroethane-d4
 Concen: 53.39 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027364.D
 Acq: 22 Sep 2015 7:34

Tgt Ion: 65 Resp: 731626
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 110.6

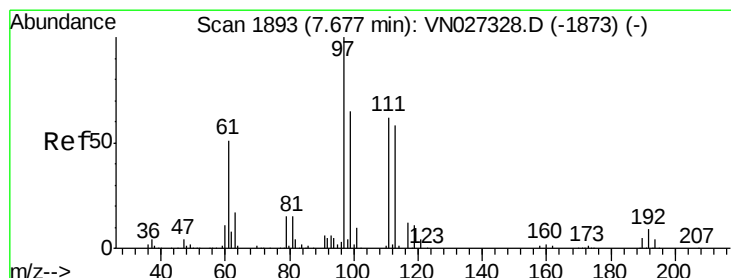
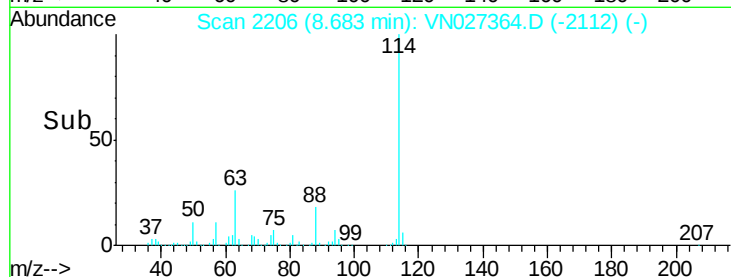
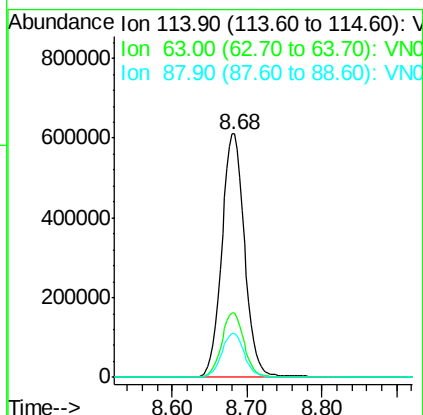
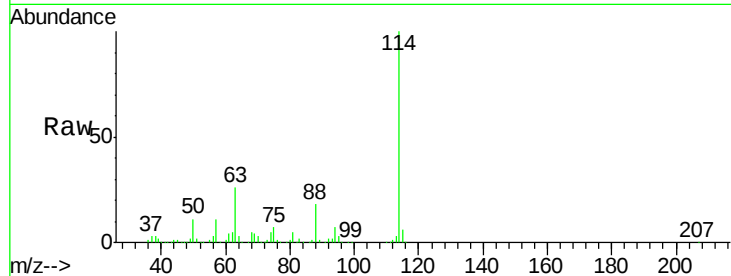




#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VN027364.D
 Acq: 22 Sep 2015 7:34

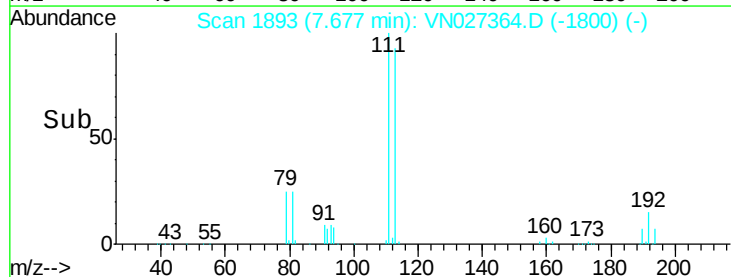
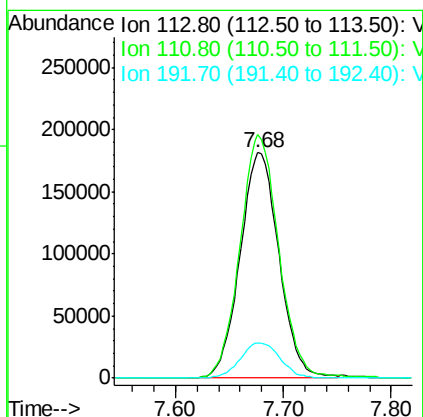
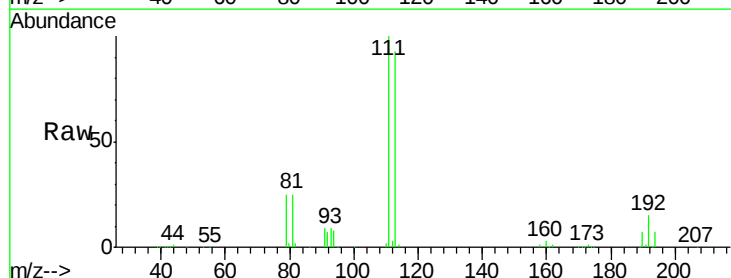
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12B

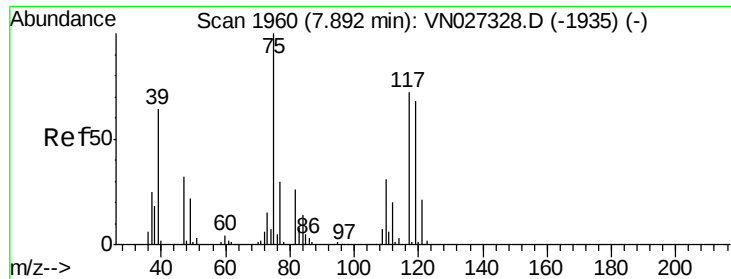
Tgt Ion:114 Resp: 1285494
 Ion Ratio Lower Upper
 114 100
 63 26.4 0.0 48.8
 88 17.9 0.0 32.2



#36
 Dibromofluoromethane
 Concen: 54.18 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027364.D
 Acq: 22 Sep 2015 7:34

Tgt Ion:113 Resp: 454473
 Ion Ratio Lower Upper
 113 100
 111 108.2 83.0 124.4
 192 16.1 14.1 21.1

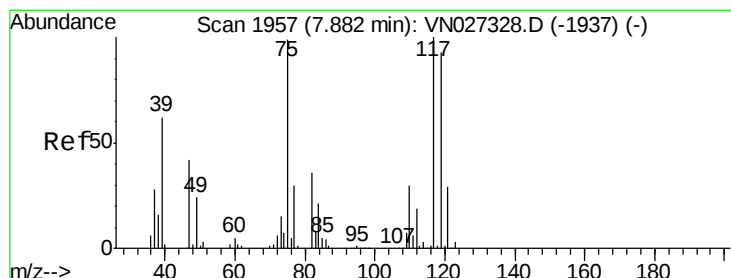
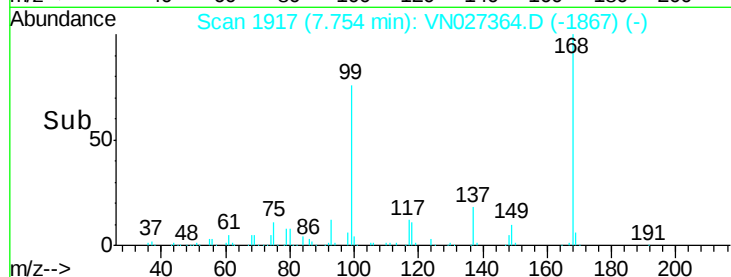
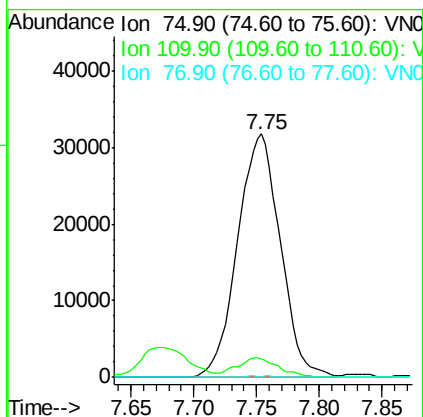
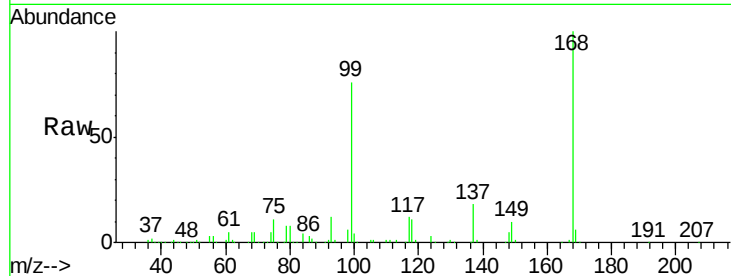




#37
 1,1-Dichloropropene
 Concen: 5.44 ug/l
 RT: 7.75 min Scan# 1917
 Delta R.T. -0.14 min
 Lab File: VN027364.D
 Acq: 22 Sep 2015 7:34

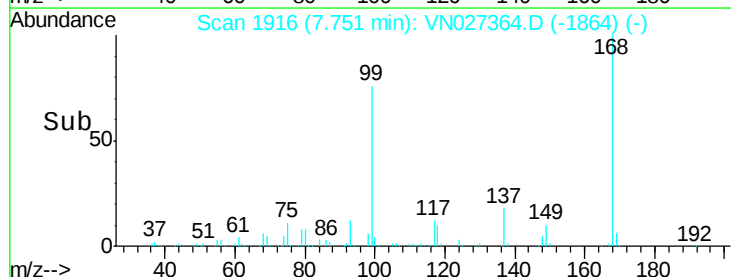
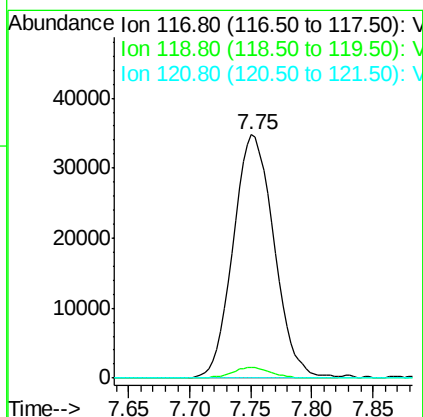
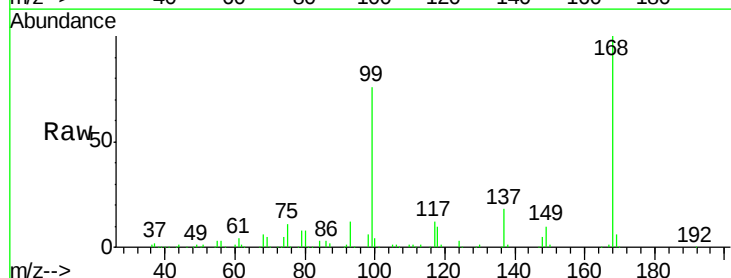
Instrument :
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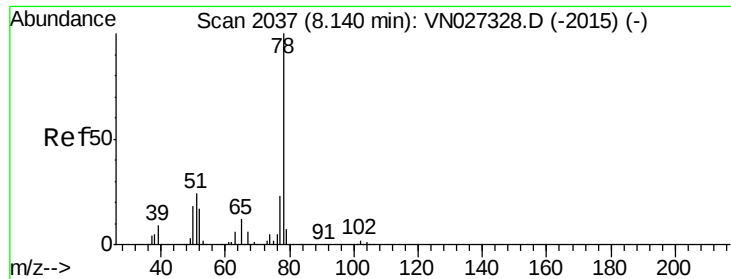
Tgt Ion: 75 Resp: 75333
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.9 47.7#
 77 0.0 24.9 37.3#



#39
 Carbon Tetrachloride
 Concen: 6.20 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.13 min
 Lab File: VN027364.D
 Acq: 22 Sep 2015 7:34

Tgt Ion: 117 Resp: 80822
 Ion Ratio Lower Upper
 117 100
 119 4.6 75.3 112.9#
 121 0.0 23.8 35.8#





#41

Benzene

Concen: 2.74 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027364.D

Acq: 22 Sep 2015 7:34

Instrument :

MSVOA_N

ClientSampled :

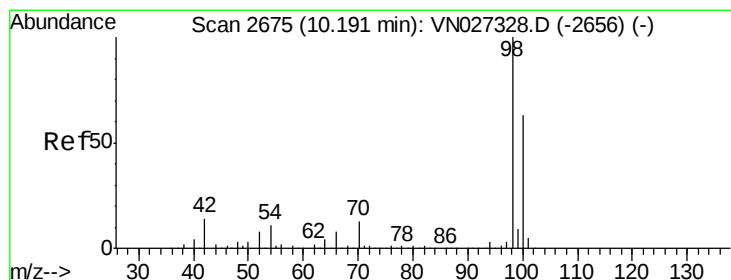
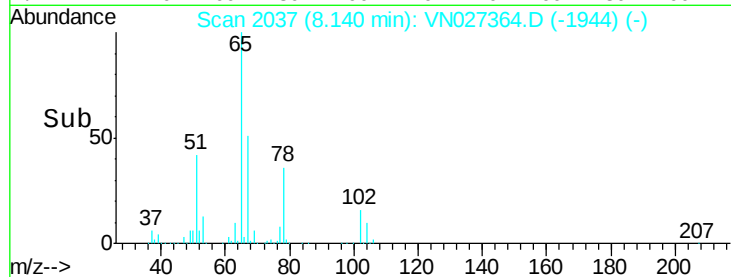
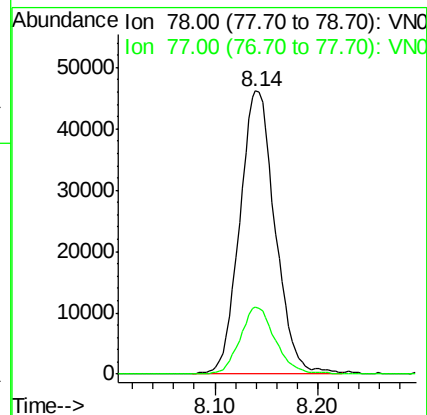
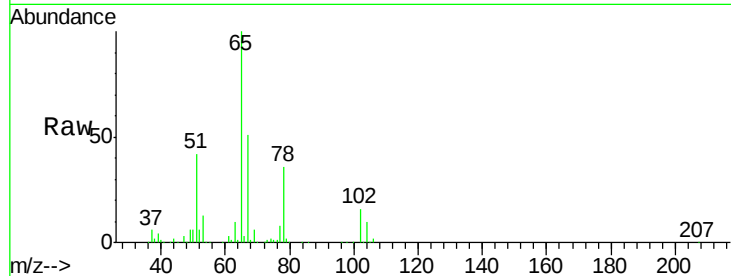
MW-12B

Tgt Ion: 78 Resp: 110211

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4



#51

Toluene-d8

Concen: 58.84 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027364.D

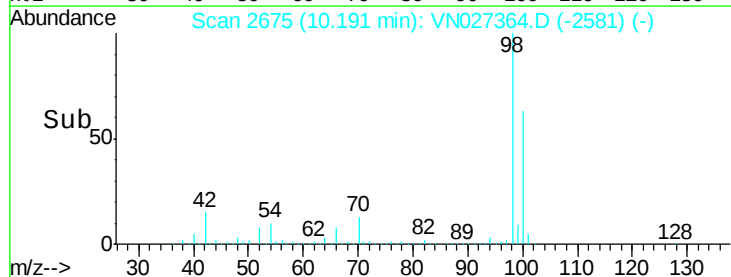
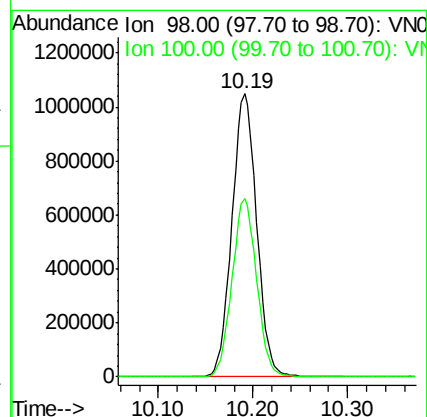
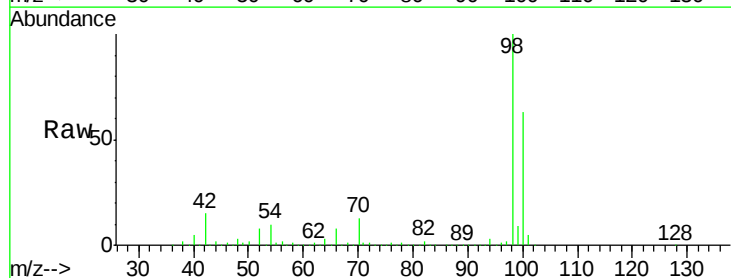
Acq: 22 Sep 2015 7:34

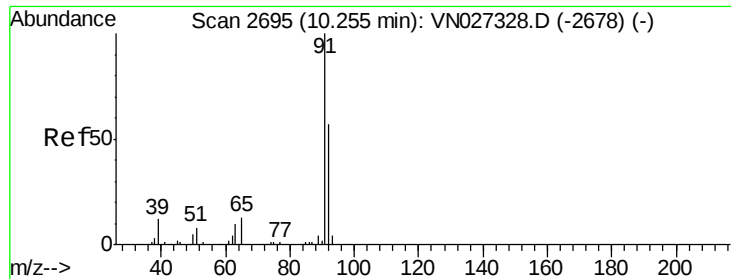
Tgt Ion: 98 Resp: 1908014

Ion Ratio Lower Upper

98 100

100 62.7 50.5 75.7





#53

Toluene

Concen: 6.76 ug/l

RT: 10.26 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VN027364.D

Acq: 22 Sep 2015 7:34

Instrument :

MSVOA_N

ClientSampleId :

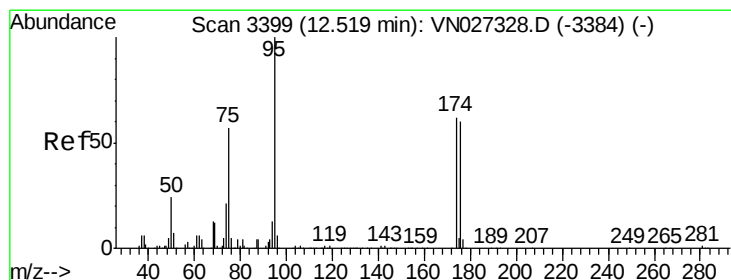
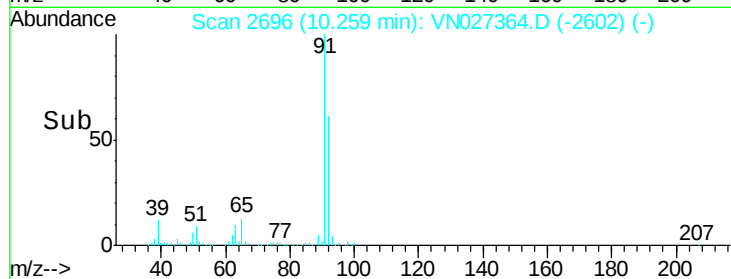
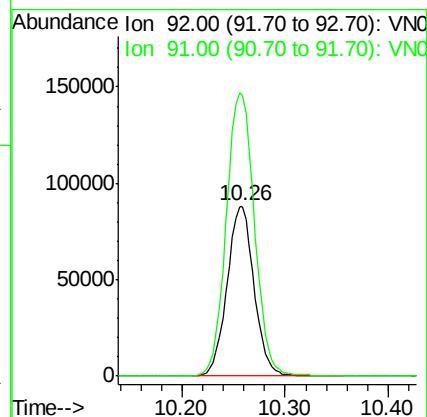
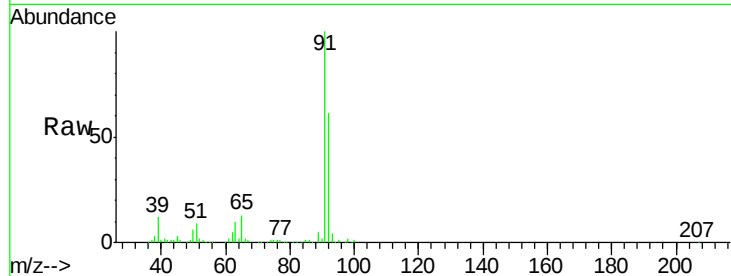
MW-12B

Tgt Ion: 92 Resp: 160782

Ion Ratio Lower Upper

92 100

91 174.3 141.4 212.2



#63

4-Bromofluorobenzene

Concen: 56.40 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VN027364.D

Acq: 22 Sep 2015 7:34

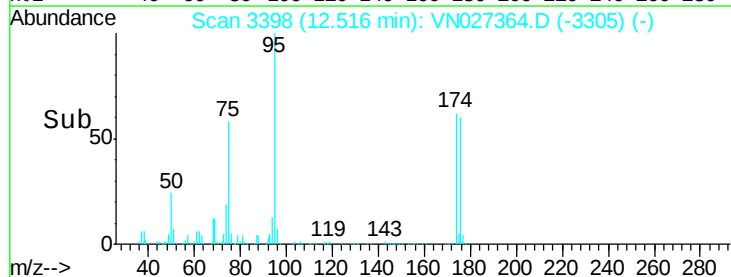
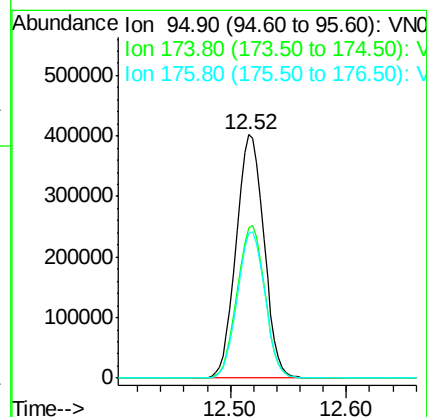
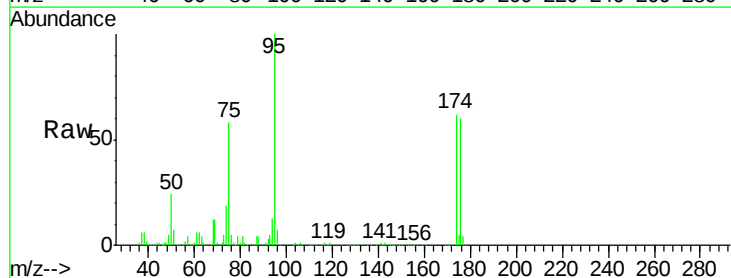
Tgt Ion: 95 Resp: 664462

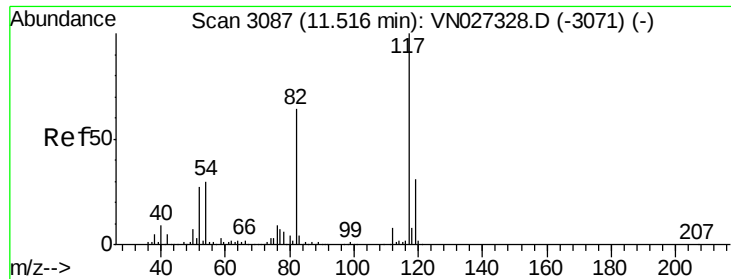
Ion Ratio Lower Upper

95 100

174 62.5 0.0 137.0

176 59.7 0.0 130.8

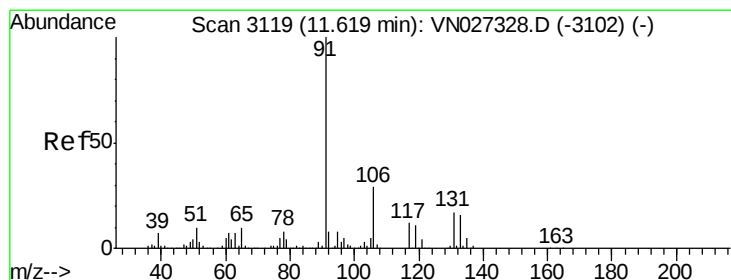
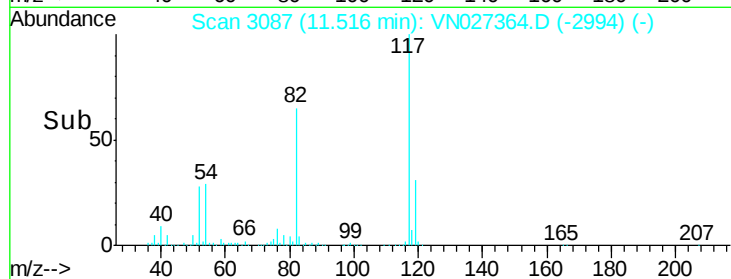
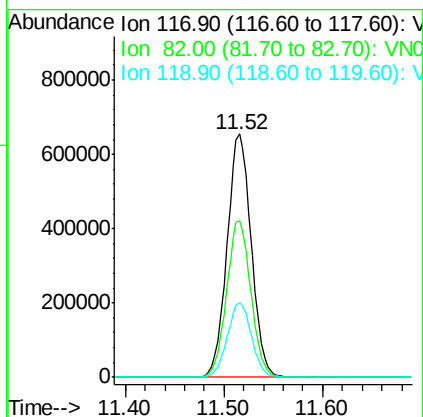
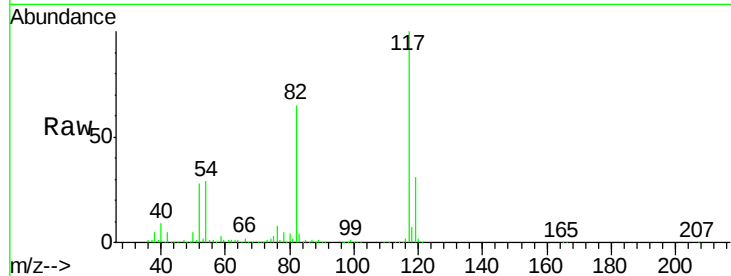




#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027364.D
Acq: 22 Sep 2015 7:34

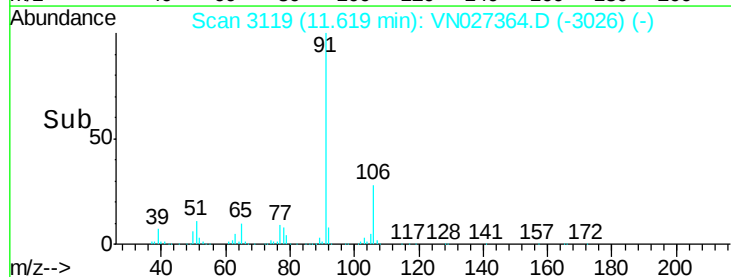
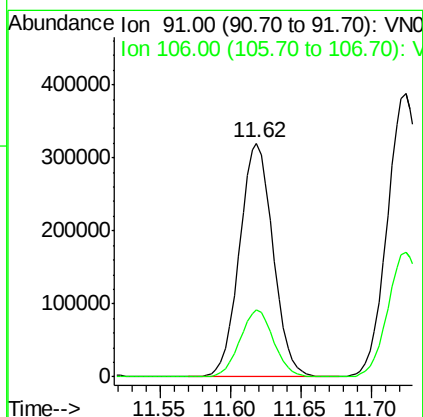
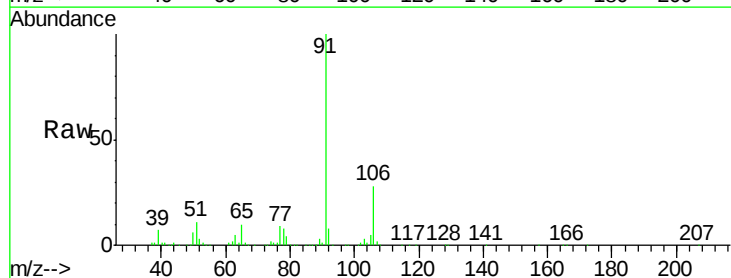
Instrument :
MSVOA_N
ClientSampled :
MW-12B

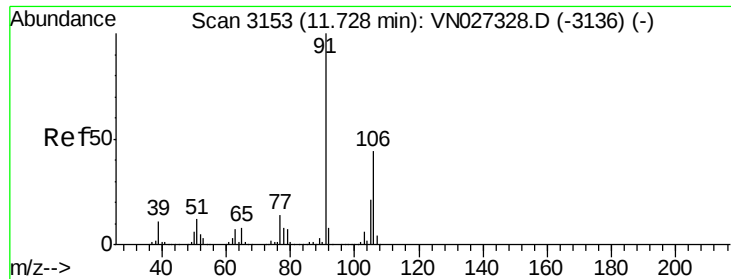
Tgt Ion:117 Resp: 1124917
Ion Ratio Lower Upper
117 100
82 64.5 49.6 74.4
119 30.9 24.6 36.8



#68
Ethyl Benzene
Concen: 11.71 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. 0.00 min
Lab File: VN027364.D
Acq: 22 Sep 2015 7:34

Tgt Ion: 91 Resp: 532955
Ion Ratio Lower Upper
91 100
106 28.5 23.1 34.7





#69

m/p-Xylenes

Concen: 19.74 ug/l

RT: 11.72 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VN027364.D

Acq: 22 Sep 2015 7:34

Instrument :

MSVOA_N

ClientSampled :

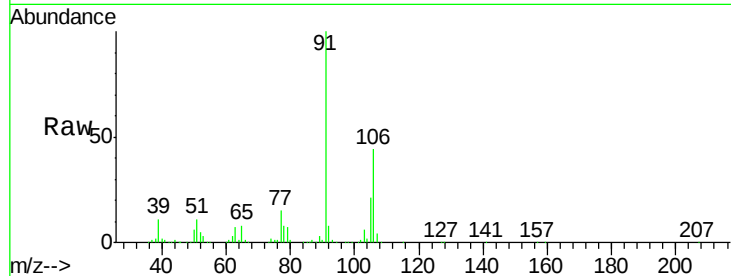
MW-12B

Tgt Ion:106 Resp: 311402

Ion Ratio Lower Upper

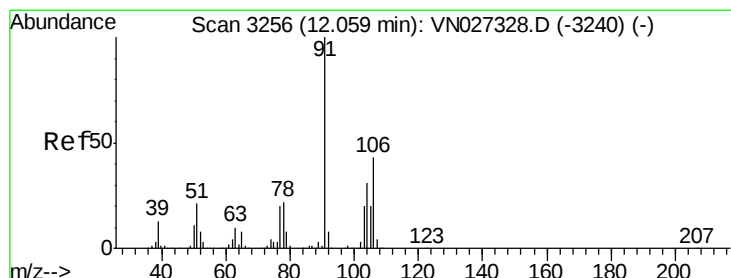
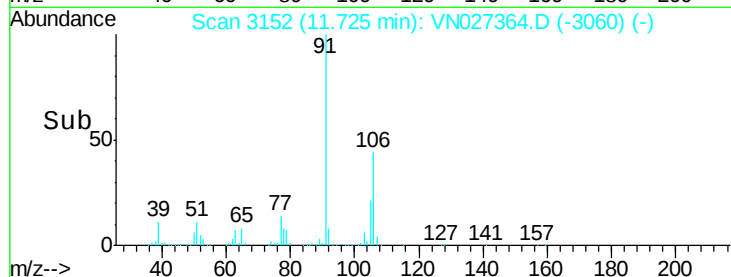
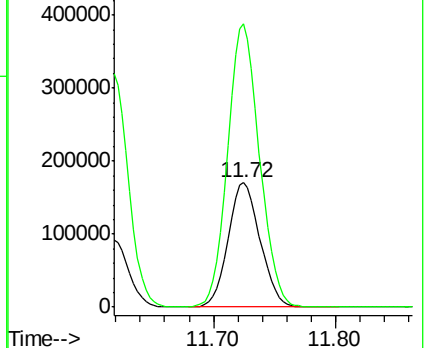
106 100

91 225.7 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

o-Xylene

Concen: 7.75 ug/l

RT: 12.06 min Scan# 3255

Delta R.T. -0.00 min

Lab File: VN027364.D

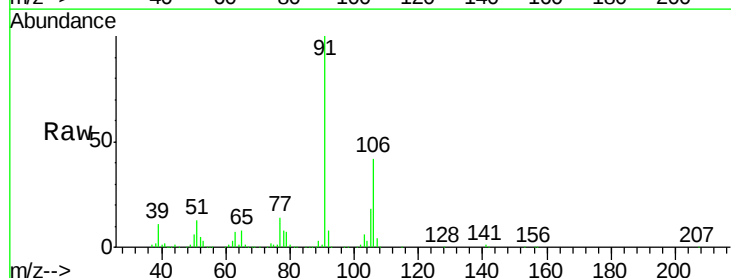
Acq: 22 Sep 2015 7:34

Tgt Ion:106 Resp: 123529

Ion Ratio Lower Upper

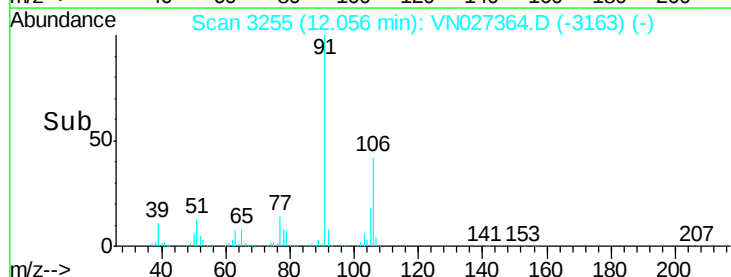
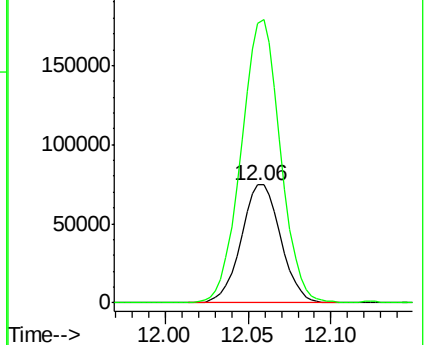
106 100

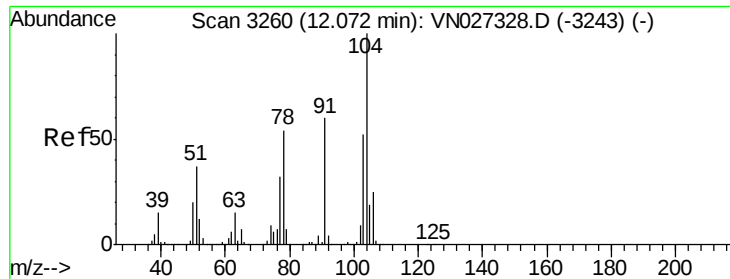
91 236.7 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

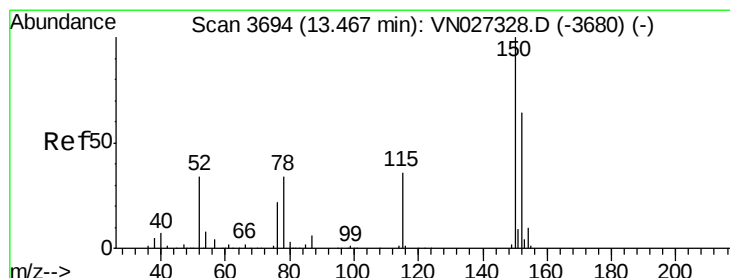
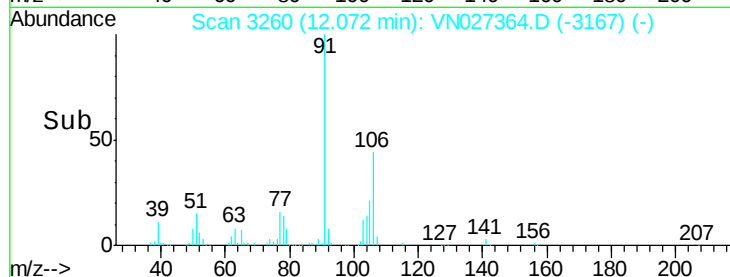
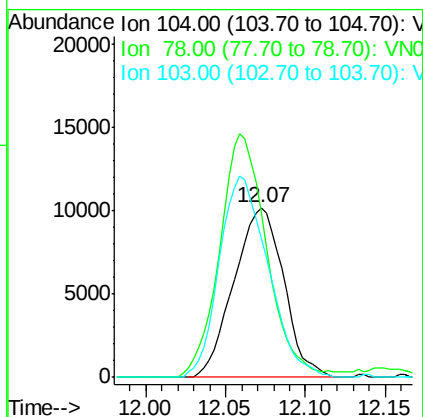
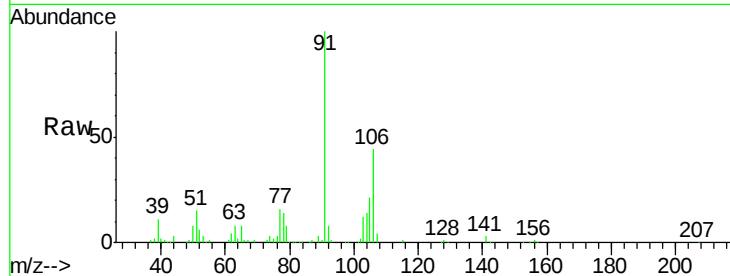




#71
Styrene
Concen: 0.85 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN027364.D
Acq: 22 Sep 2015 7:34

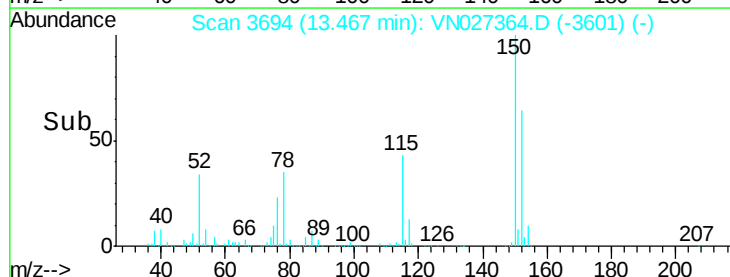
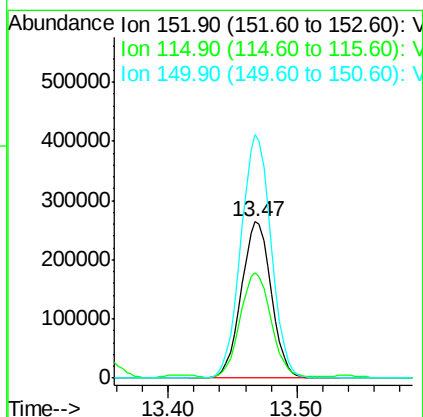
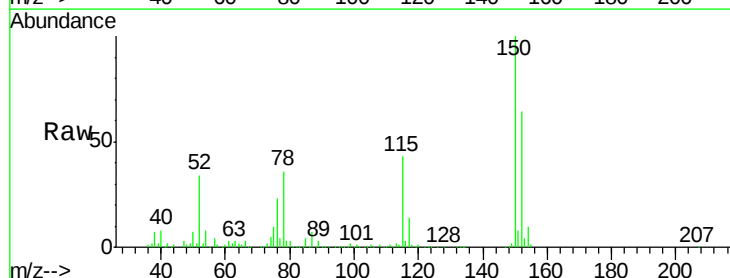
Instrument :
MSVOA_N
ClientSampleId :
MW-12B

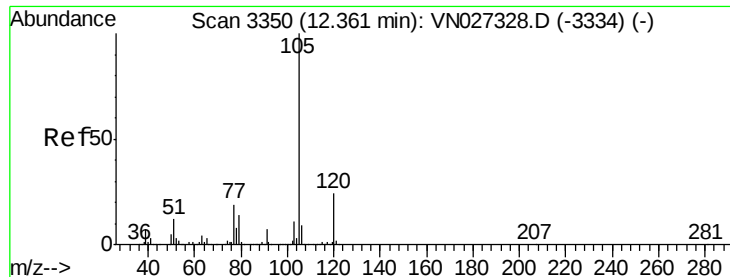
Tgt Ion:104 Resp: 21659
Ion Ratio Lower Upper
104 100
78 136.2 41.6 62.4#
103 116.6 44.2 66.2#



#73
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.47 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN027364.D
Acq: 22 Sep 2015 7:34

Tgt Ion:152 Resp: 427426
Ion Ratio Lower Upper
152 100
115 69.3 30.8 92.3
150 156.7 0.0 345.0





#74

Isopropylbenzene

Concen: 4.51 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027364.D

Acq: 22 Sep 2015 7:34

Instrument :

MSVOA_N

ClientSampled :

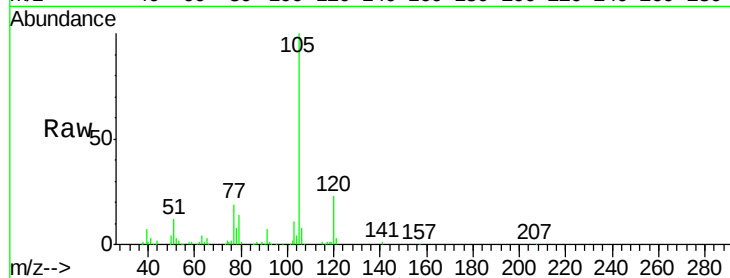
MW-12B

Tgt Ion: 105 Resp: 192986

Ion Ratio Lower Upper

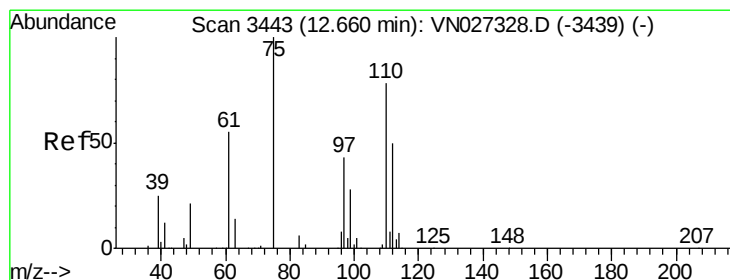
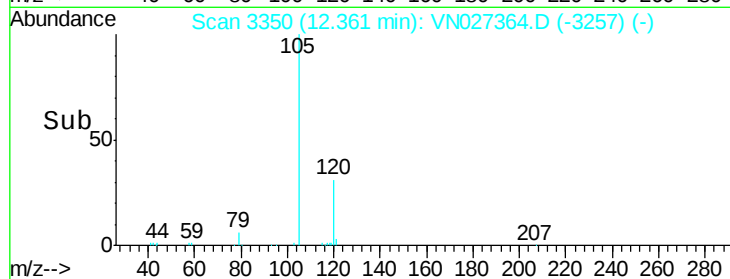
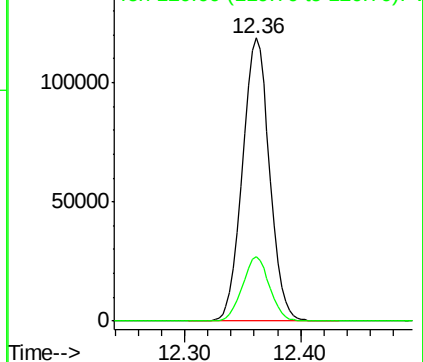
105 100

120 22.9 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

1,2,3-Trichloropropane

Concen: 35.95 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027364.D

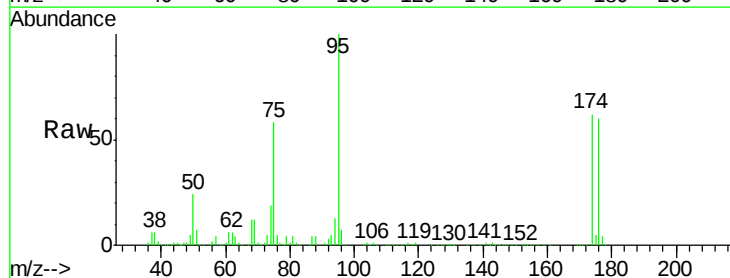
Acq: 22 Sep 2015 7:34

Tgt Ion: 75 Resp: 385804

Ion Ratio Lower Upper

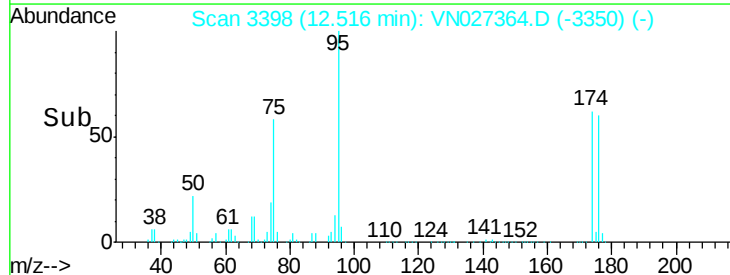
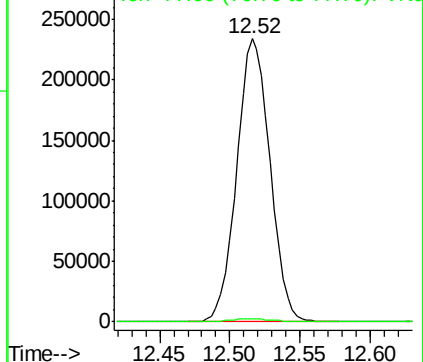
75 100

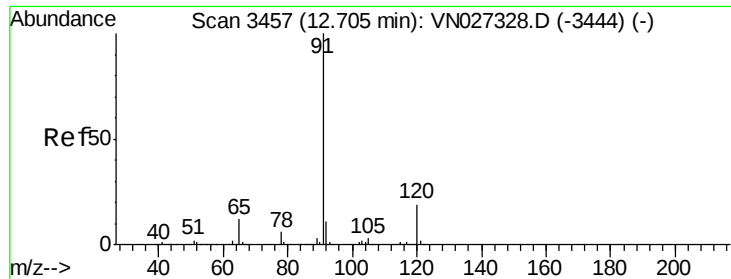
77 1.4 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#79

n-propylbenzene

Concen: 0.50 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027364.D

Acq: 22 Sep 2015 7:34

Instrument :

MSVOA_N

ClientSampled :

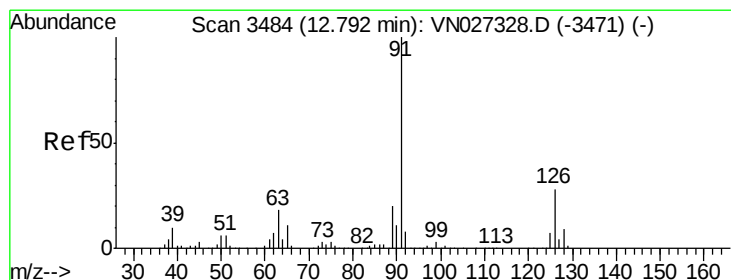
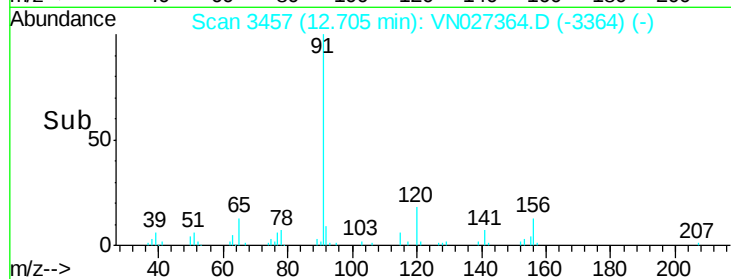
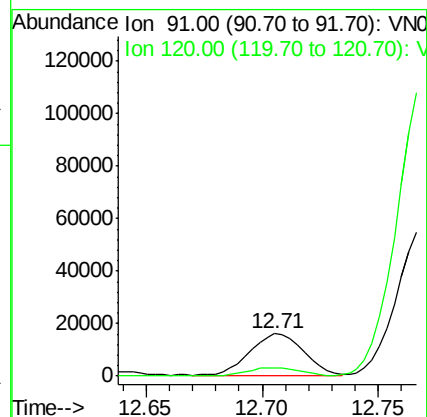
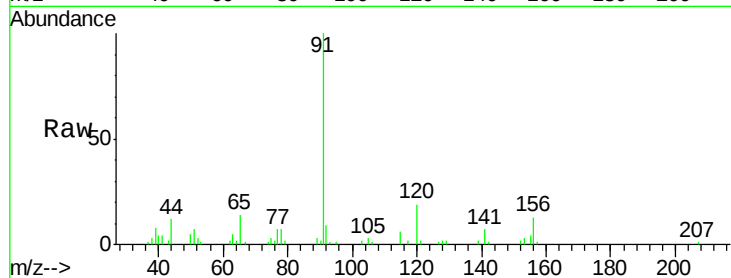
MW-12B

Tgt Ion: 91 Resp: 25299

Ion Ratio Lower Upper

91 100

120 21.7 10.3 30.8



#80

2-Chlorotoluene

Concen: 2.89 ug/l

RT: 12.77 min Scan# 3477

Delta R.T. -0.02 min

Lab File: VN027364.D

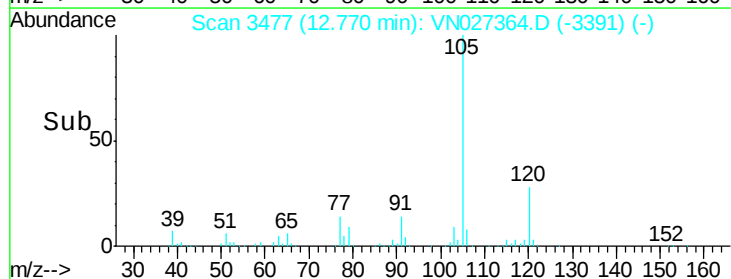
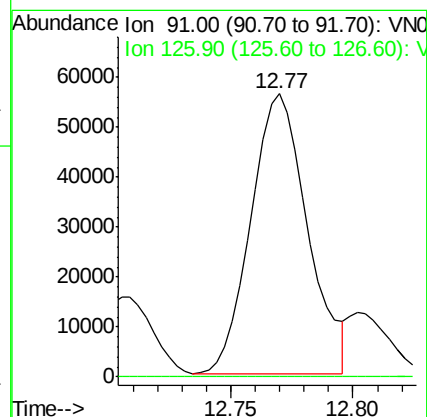
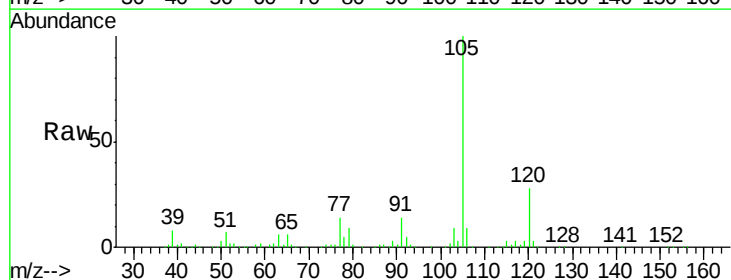
Acq: 22 Sep 2015 7:34

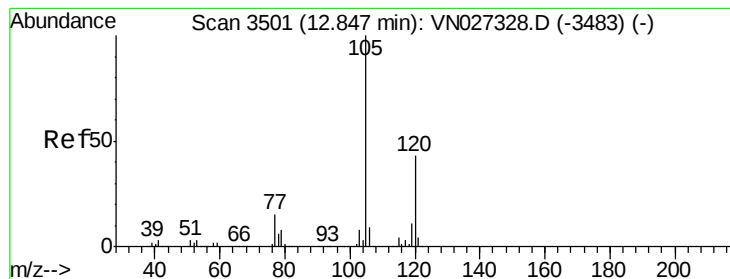
Tgt Ion: 91 Resp: 90141

Ion Ratio Lower Upper

91 100

126 0.0 15.2 45.5#





#81

1,3,5-Trimethylbenzene

Concen: 1.34 ug/l

RT: 12.85 min Scan# 3501

Delta R.T. 0.00 min

Lab File: VN027364.D

Acq: 22 Sep 2015 7:34

Instrument :

MSVOA_N

ClientSampled :

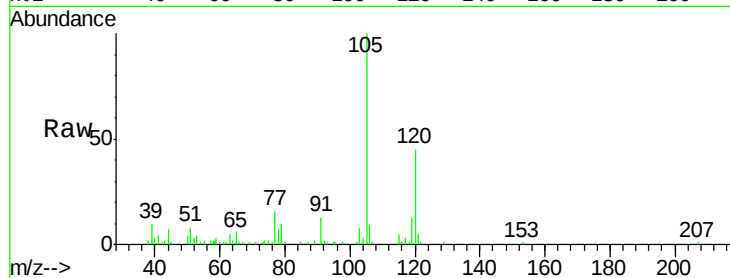
MW-12B

Tgt Ion:105 Resp: 46211

Ion Ratio Lower Upper

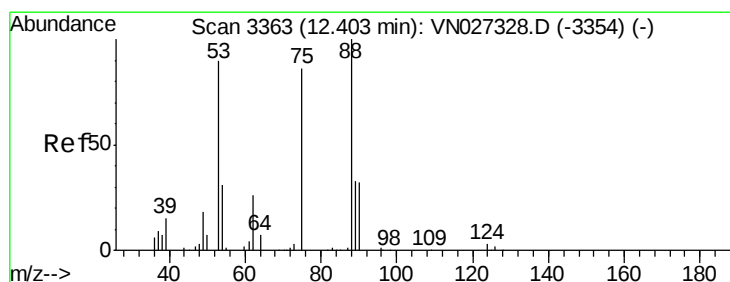
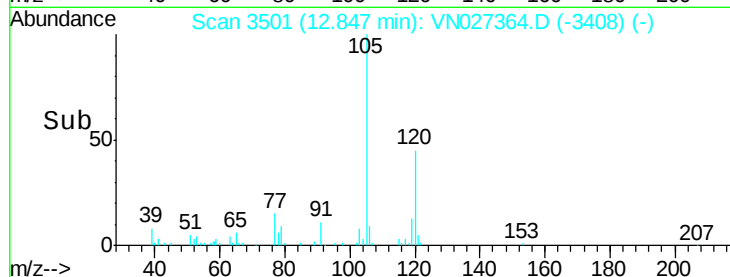
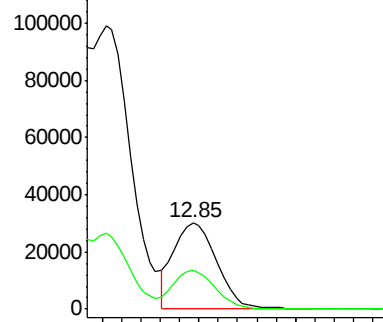
105 100

120 45.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

trans-1,4-Dichloro-2-butene

Concen: 92.19 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027364.D

Acq: 22 Sep 2015 7:34

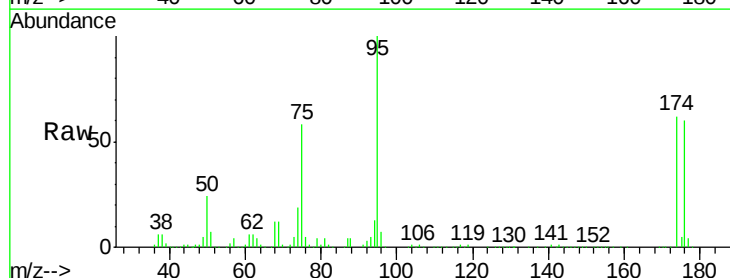
Tgt Ion: 75 Resp: 385804

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

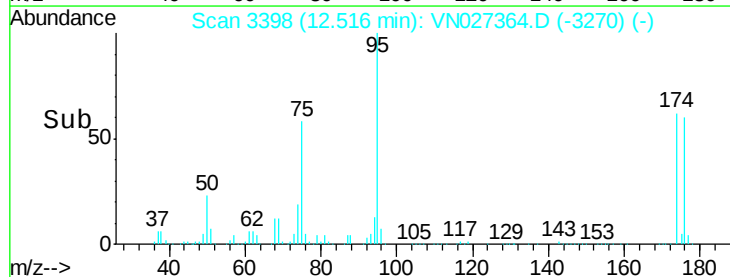
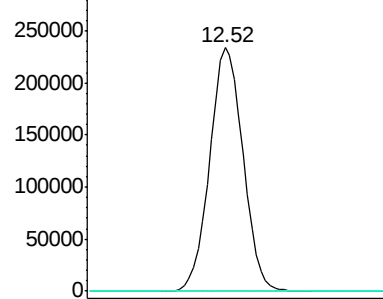
89 0.0 34.2 51.4#

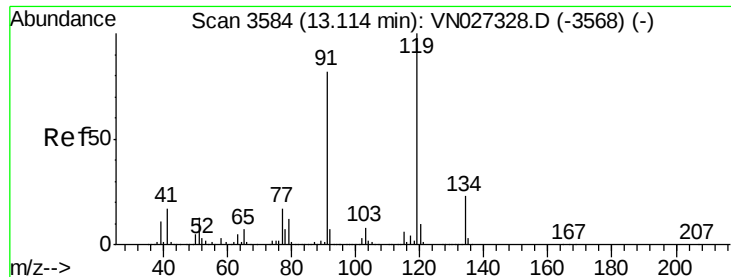


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

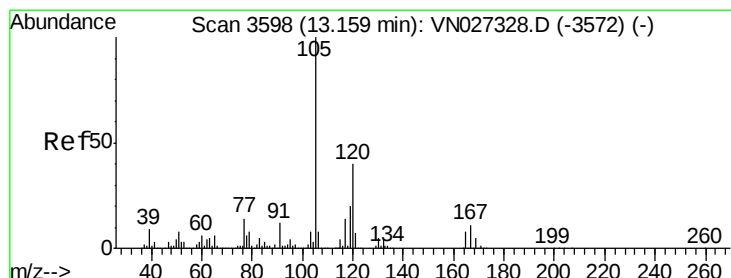
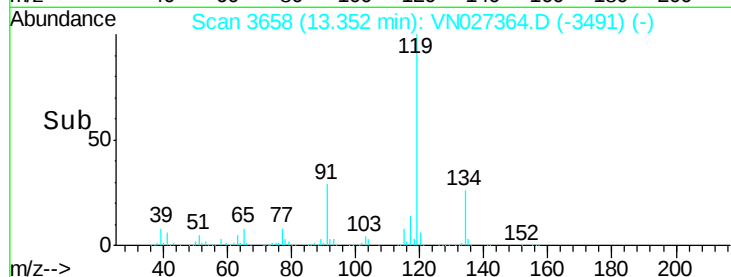
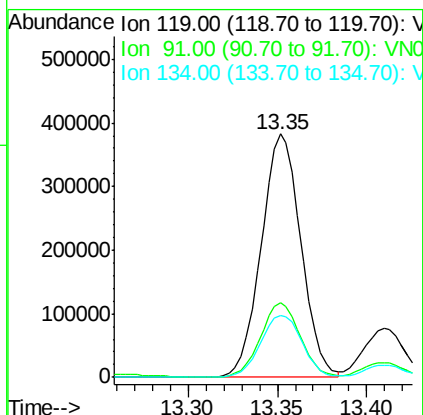
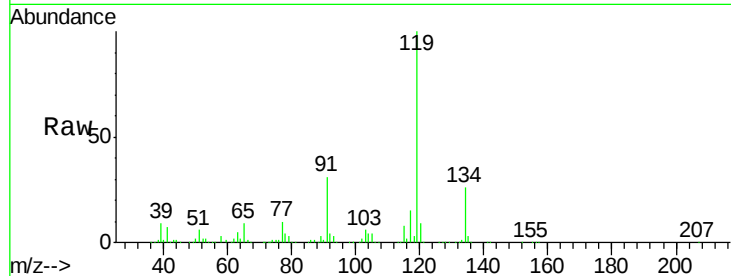




#84
 tert-Butylbenzene
 Concen: 21.27 ug/l
 RT: 13.35 min Scan# 3658
 Delta R.T. 0.24 min
 Lab File: VN027364.D
 Acq: 22 Sep 2015 7:34

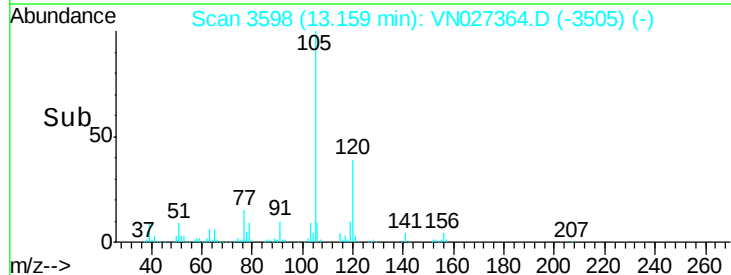
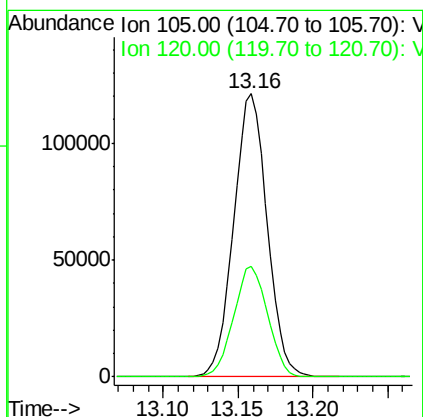
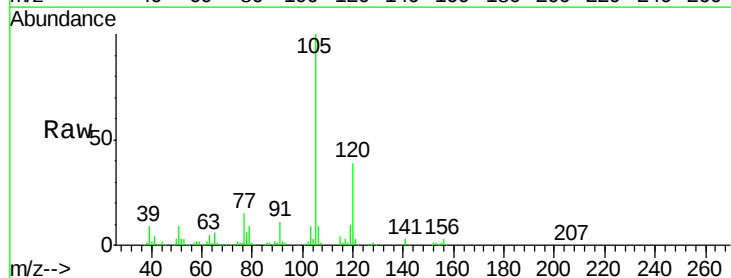
Instrument :
 MSVOA_N
 ClientSampled :
 MW-12B

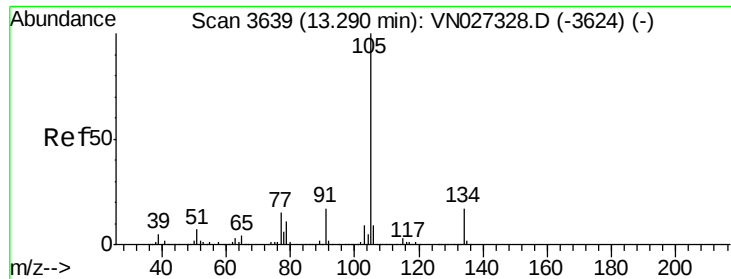
Tgt Ion:119 Resp: 593637
 Ion Ratio Lower Upper
 119 100
 91 30.3 34.6 103.8#
 134 26.7 11.4 34.2



#85
 1,2,4-Trimethylbenzene
 Concen: 5.48 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027364.D
 Acq: 22 Sep 2015 7:34

Tgt Ion:105 Resp: 188807
 Ion Ratio Lower Upper
 105 100
 120 39.9 21.9 65.5

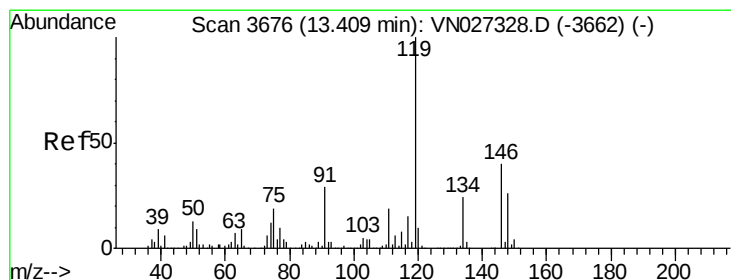
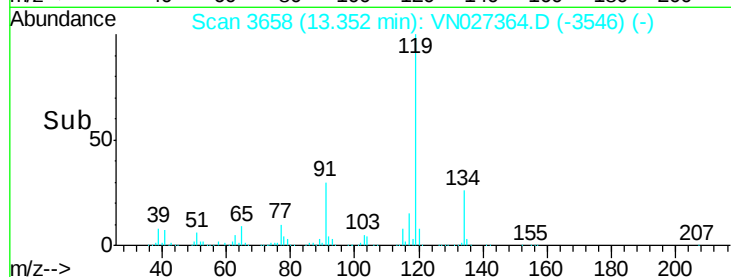
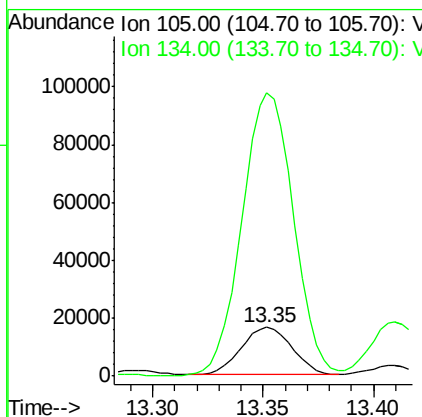
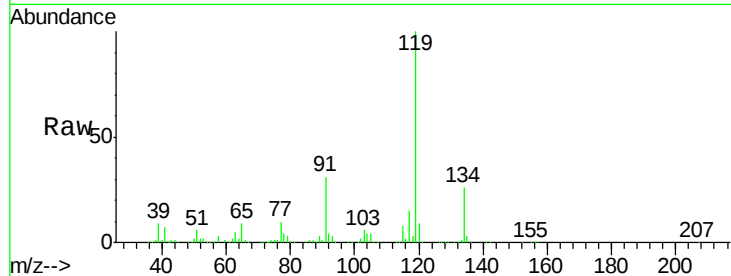




#86
 sec-Butylbenzene
 Concen: 0.64 ug/l
 RT: 13.35 min Scan# 3658
 Delta R.T. 0.06 min
 Lab File: VN027364.D
 Acq: 22 Sep 2015 7:34

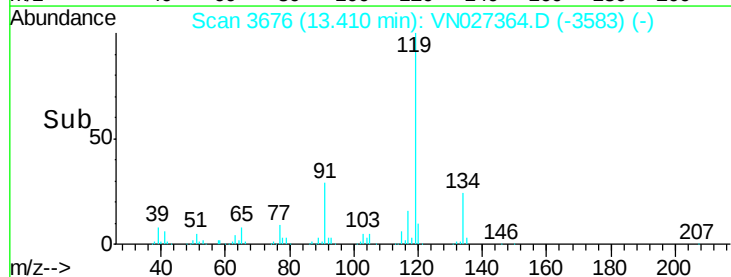
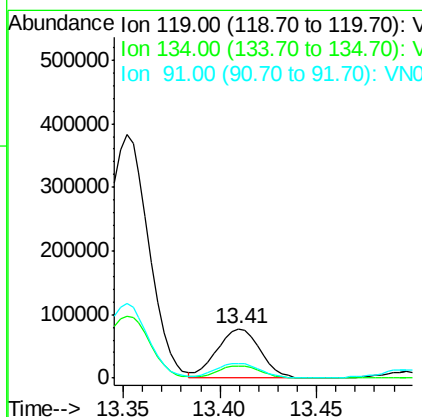
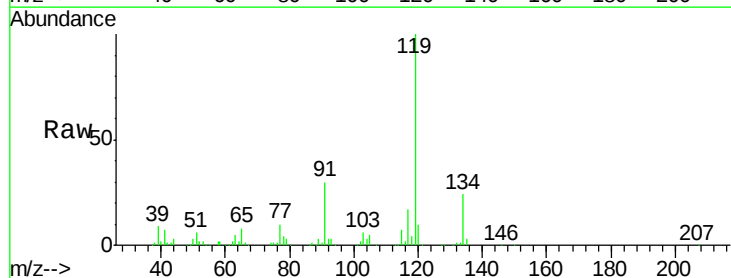
Instrument :
 MSVOA_N
 ClientSampled :
 MW-12B

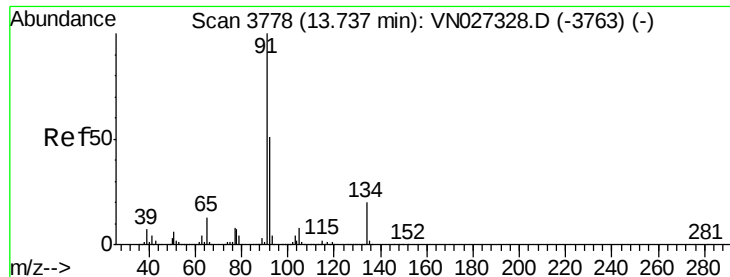
Tgt Ion:105 Resp: 26535
 Ion Ratio Lower Upper
 105 100
 134 597.5 8.8 26.4#



#87
 p-Isopropyltoluene
 Concen: 3.86 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027364.D
 Acq: 22 Sep 2015 7:34

Tgt Ion:119 Resp: 120371
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.4 37.0
 91 30.0 12.0 36.1

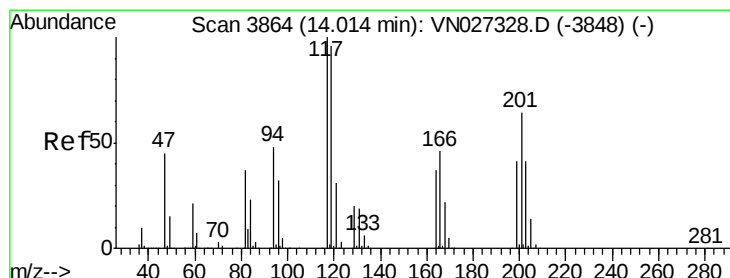
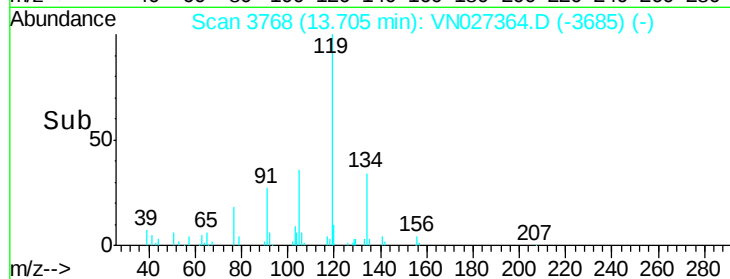
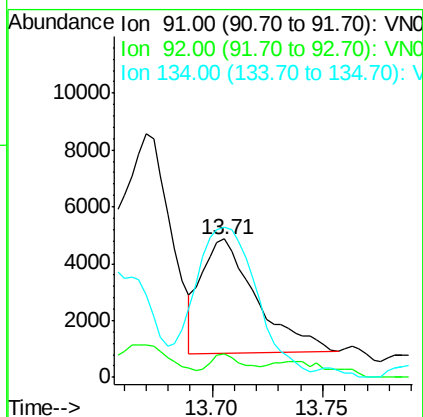
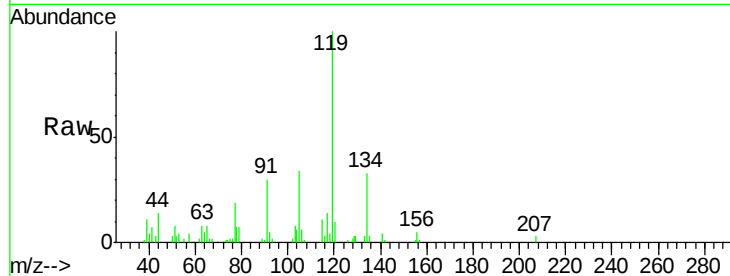




#90
n-Butylbenzene
Concen: 0.23 ug/l
RT: 13.71 min Scan# 3768
Delta R.T. -0.03 min
Lab File: VN027364.D
Acq: 22 Sep 2015 7:34

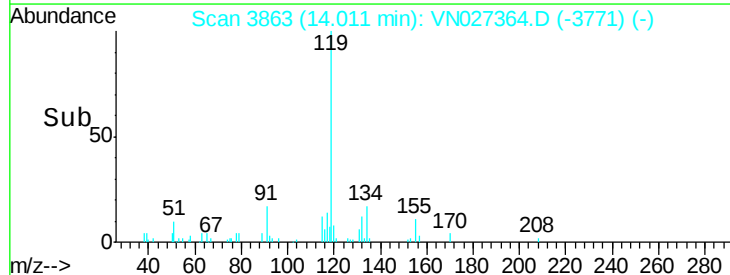
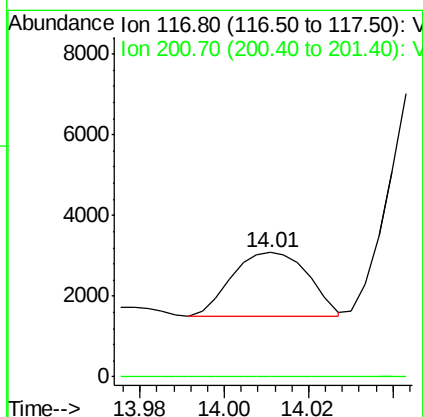
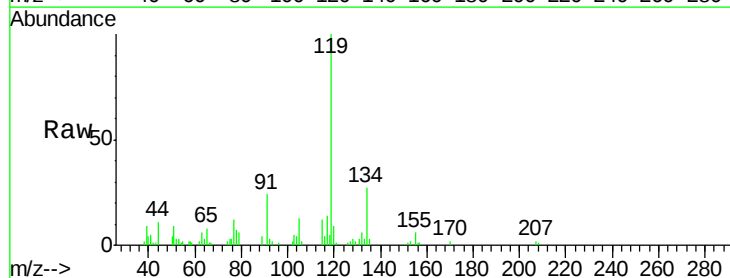
Instrument :
MSVOA_N
ClientSampled :
MW-12B

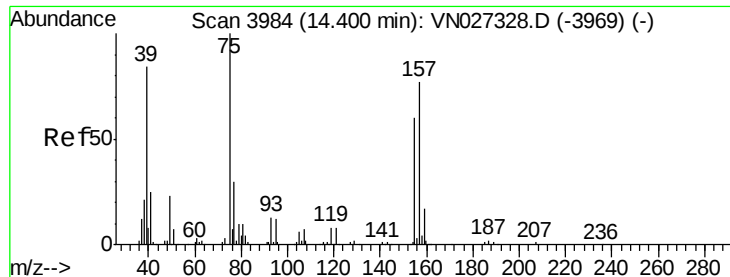
Tgt Ion: 91 Resp: 7009
Ion Ratio Lower Upper
91 100
92 8.6 26.1 78.2#
134 139.8 11.1 33.1#



#91
Hexachloroethane
Concen: 0.30 ug/l
RT: 14.01 min Scan# 3863
Delta R.T. -0.00 min
Lab File: VN027364.D
Acq: 22 Sep 2015 7:34

Tgt Ion: 117 Resp: 2021
Ion Ratio Lower Upper
117 100
201 0.0 34.9 104.7#

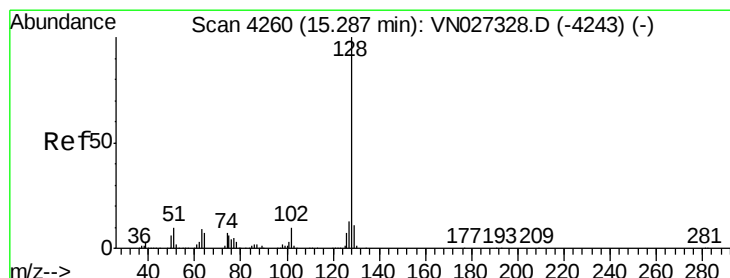
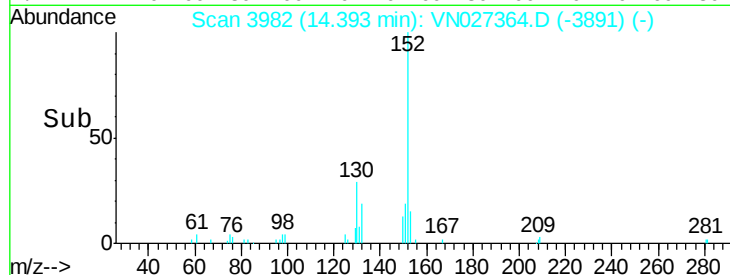
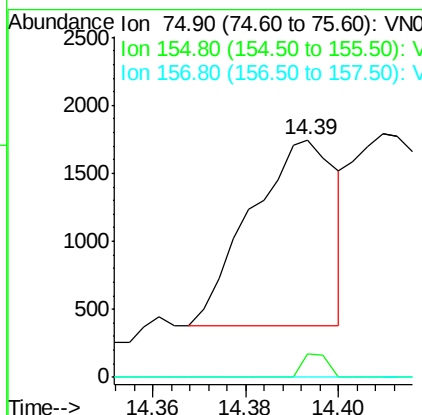
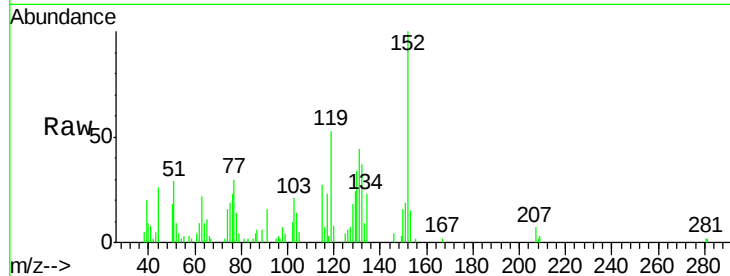




#93
 1,2-Dibromo-3-Chloropropane
 Concen: 0.73 ug/l
 RT: 14.39 min Scan# 3982
 Delta R.T. -0.01 min
 Lab File: VN027364.D
 Acq: 22 Sep 2015 7:34

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12B

Tgt Ion: 75 Resp: 1735
 Ion Ratio Lower Upper
 75 100
 155 3.7 35.6 106.9#
 157 0.0 44.6 133.8#



#96
 Naphthalene
 Concen: 57.83 ug/l
 RT: 15.29 min Scan# 4260
 Delta R.T. 0.00 min
 Lab File: VN027364.D
 Acq: 22 Sep 2015 7:34

Tgt Ion: 128 Resp: 1337181
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 11.0 8.6 12.8

