

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN092115\
 Data File : VN027360.D
 Acq On : 22 Sep 2015 5:43
 Operator : MD\FY
 Sample : G3754-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BS

Quant Time: Sep 22 07:27:09 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	741288	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1327016	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1146204	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	436748	50.00	ug/l	0.00

System Monitoring Compounds						
34) 1,2-Dichloroethane-d4	8.12	65	770313	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
36) Dibromofluoromethane	7.68	113	473417	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	
51) Toluene-d8	10.19	98	1962972	58.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.28%	
63) 4-Bromofluorobenzene	12.52	95	688626	56.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.24%	

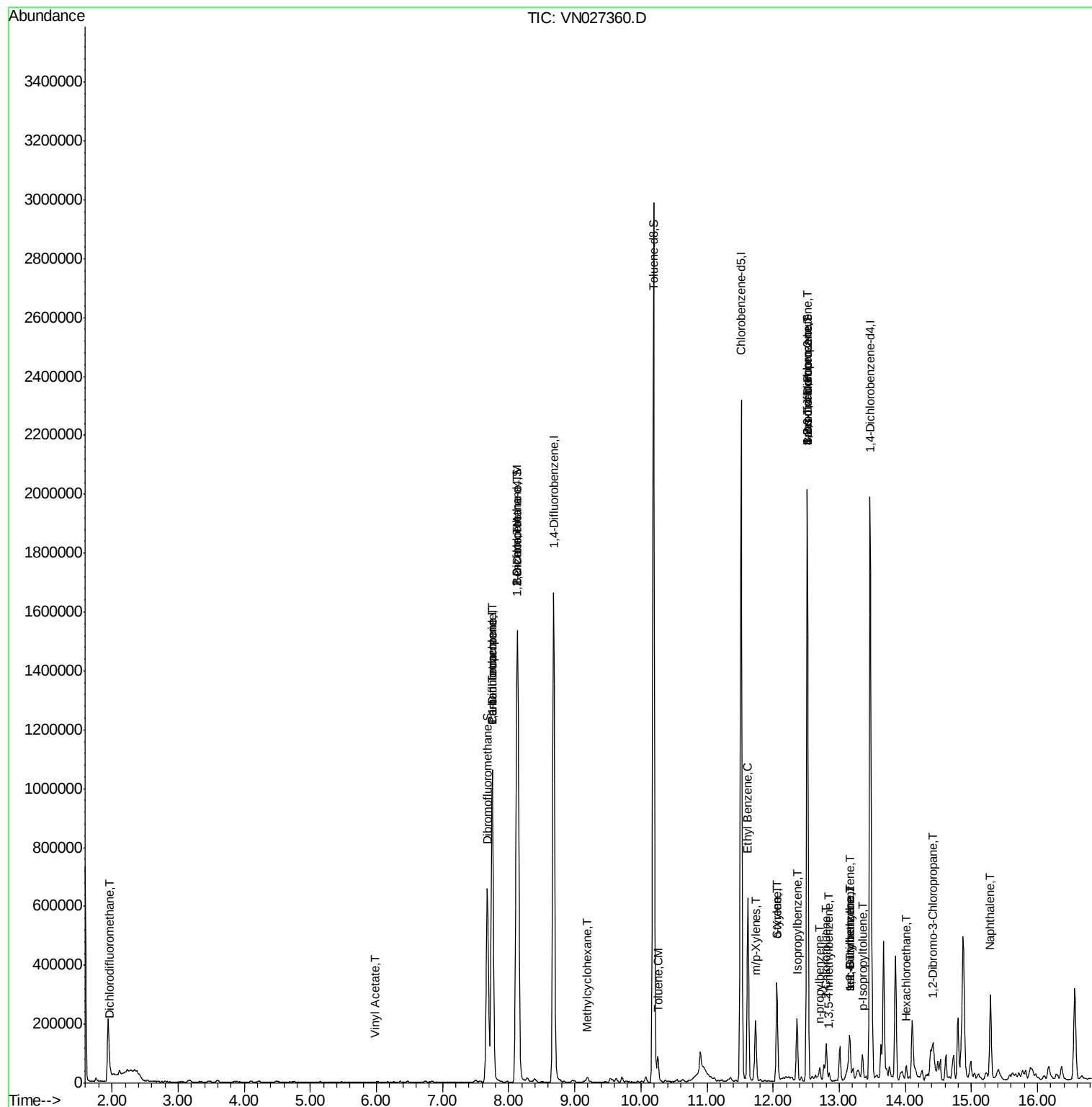
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.98	85	1665	0.22	ug/l	96
24) Vinyl Acetate	5.97	43	69	9.28	ug/l #	76
32) Cyclohexane	7.75	56	26804	Below	Cal #	7
37) 1,1-Dichloropropene	7.75	75	77610	5.43	ug/l #	51
39) Carbon Tetrachloride	7.75	117	84521	6.28	ug/l #	16
40) Methylcyclohexane	9.19	83	6130	0.36	ug/l	95
41) Benzene	8.14	78	1134665	27.34	ug/l	100
43) 1,2-Dichloroethane	8.14	62	12081	0.71	ug/l	95
53) Toluene	10.26	92	32095	1.31	ug/l	97
68) Ethyl Benzene	11.62	91	436309	9.41	ug/l	100
69) m/p-Xylenes	11.73	106	57543	3.58	ug/l	92
70) o-Xylene	12.06	106	81426	5.01	ug/l	89
71) Styrene	12.06	104	9791	0.38	ug/l #	1
72) Bromoform	12.52	173	1884	0.34	ug/l #	1
74) Isopropylbenzene	12.36	105	133397	3.05	ug/l	98
77) 1,2,3-Trichloropropane	12.52	75	402445	36.70	ug/l #	1
79) n-propylbenzene	12.71	91	27015	0.52	ug/l	98
80) 2-Chlorotoluene	12.80	91	9279	0.29	ug/l #	44
81) 1,3,5-Trimethylbenzene	12.85	105	12171	0.34	ug/l	97
82) trans-1,4-Dichloro-2-buten	12.52	75	402445	94.12	ug/l #	4
84) tert-Butylbenzene	13.16	119	6766	0.24	ug/l #	23
85) 1,2,4-Trimethylbenzene	13.16	105	64311	1.83	ug/l	92
86) sec-Butylbenzene	13.16	105	64311	1.51	ug/l #	60
87) p-Isopropyltoluene	13.35	119	42853	1.35	ug/l	90
91) Hexachloroethane	14.01	117	4364	0.64	ug/l #	15
93) 1,2-Dibromo-3-Chloropropan	14.41	75	8959	3.71	ug/l #	9
96) Naphthalene	15.29	128	216682	12.38	ug/l	98

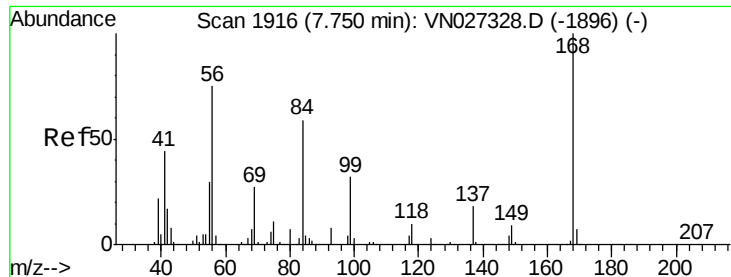
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN092115\
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Quant Time: Sep 22 07:27:09 2015
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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# 1917

Delta R.T. 0.00 min

Lab File: VN027360.D

Acq: 22 Sep 2015 5:43

Instrument :

MSVOA_N

ClientSampleId :

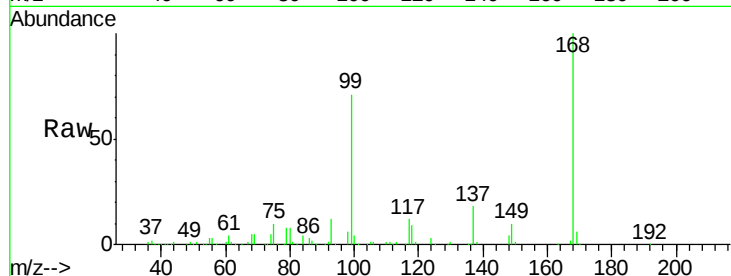
MW-7BS

Tgt Ion:168 Resp: 741288

Ion Ratio Lower Upper

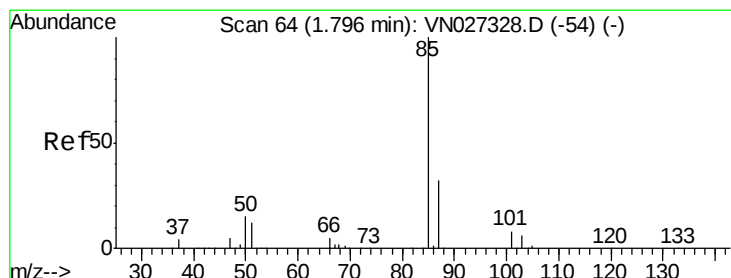
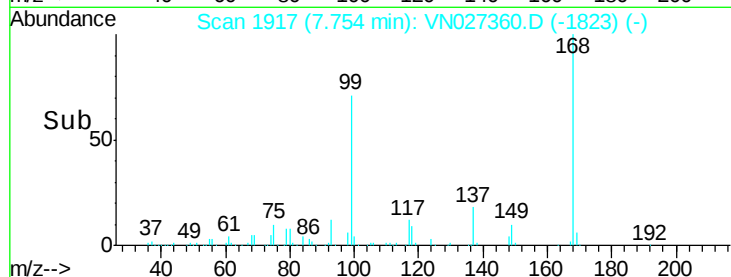
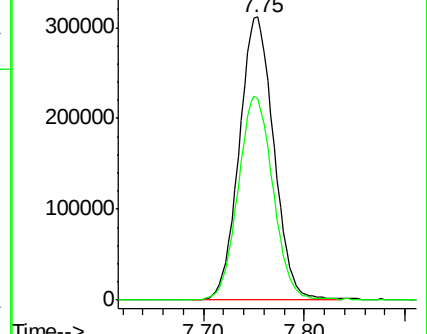
168 100

99 71.1 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.22 ug/l

RT: 1.98 min Scan# 120

Delta R.T. 0.18 min

Lab File: VN027360.D

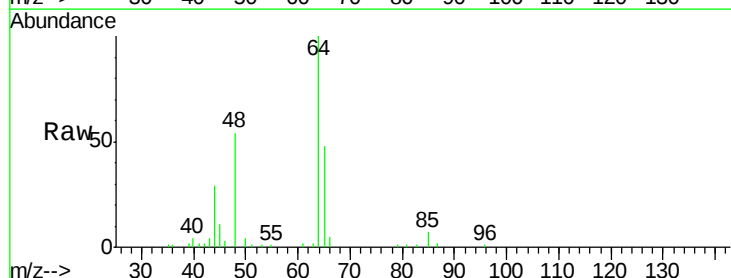
Acq: 22 Sep 2015 5:43

Tgt Ion: 85 Resp: 1665

Ion Ratio Lower Upper

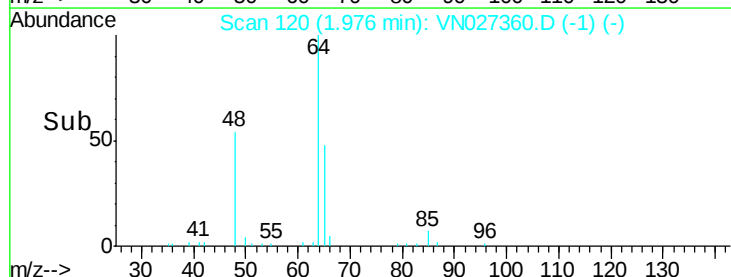
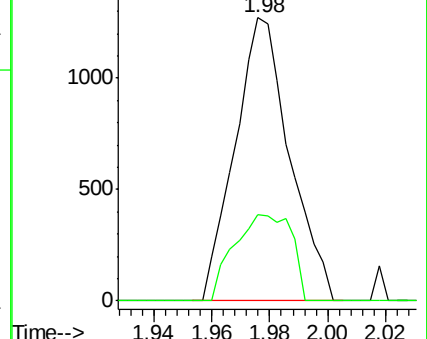
85 100

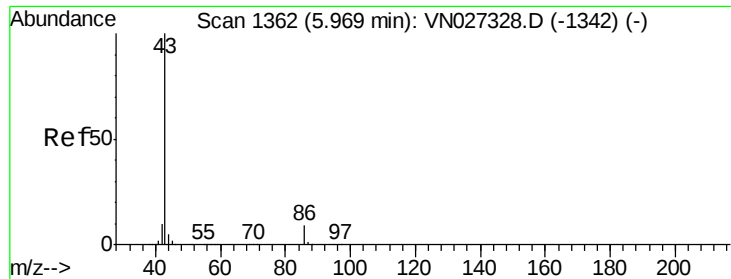
87 30.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

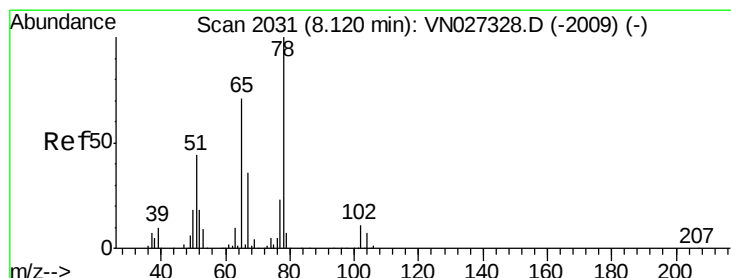
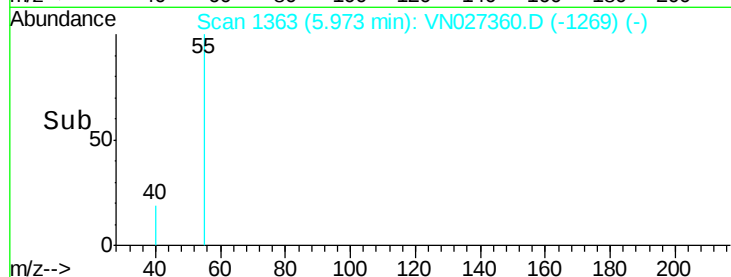
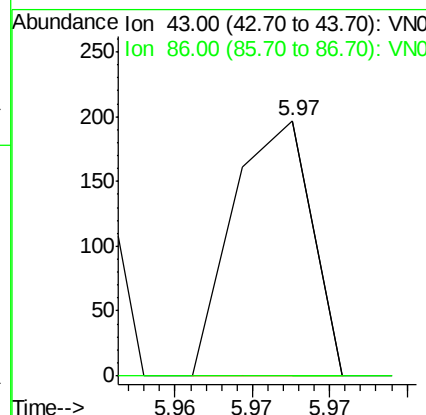
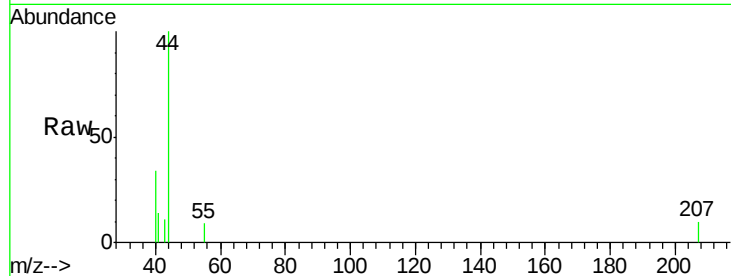




#24
 Vinyl Acetate
 Concen: 9.28 ug/l
 RT: 5.97 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

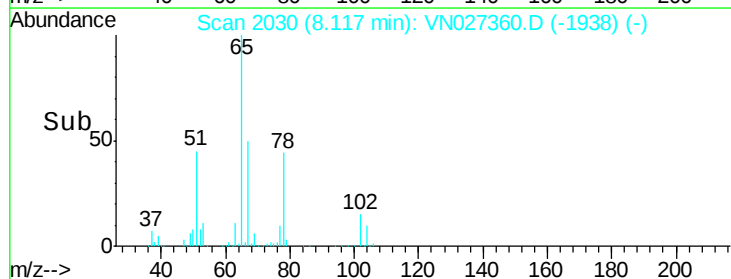
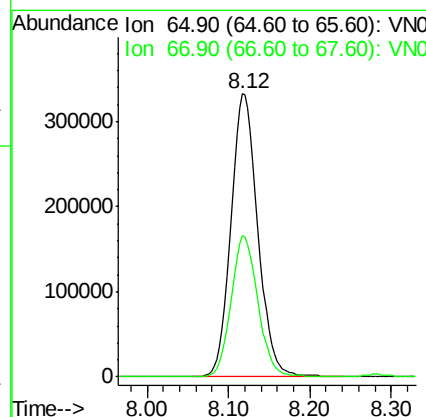
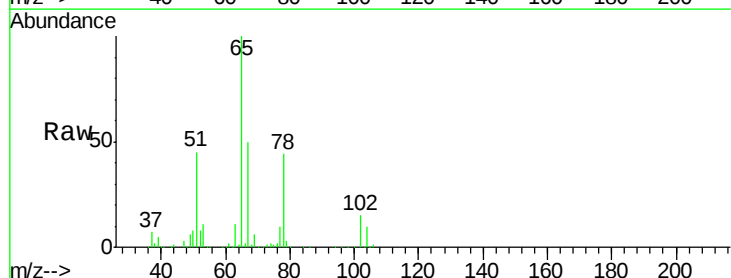
Instrument :
 MSVOA_N
 ClientSampled :
 MW-7BS

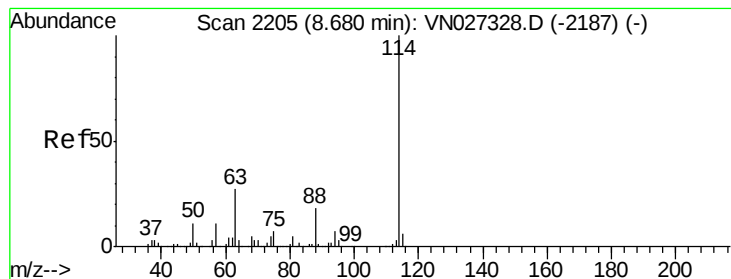
Tgt Ion: 43 Resp: 69
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.9 10.3#



#34
 1,2-Dichloroethane-d4
 Concen: 53.08 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

Tgt Ion: 65 Resp: 770313
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 110.6





#35

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VN027360.D

Acq: 22 Sep 2015 5:43

Instrument :

MSVOA_N

ClientSampleId :

MW-7BS

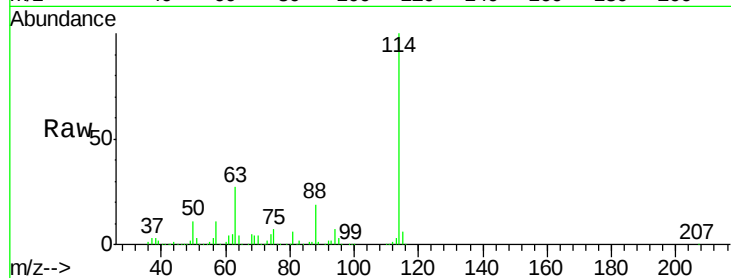
Tgt Ion:114 Resp: 1327016

Ion Ratio Lower Upper

114 100

63 26.8 0.0 48.8

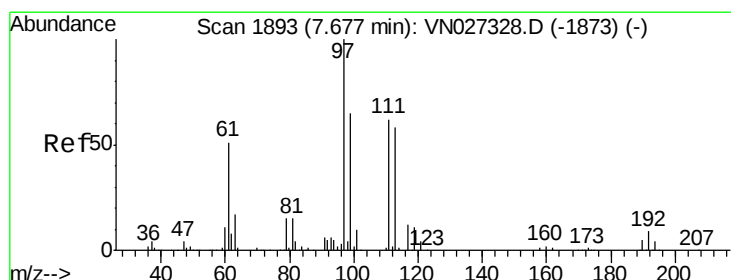
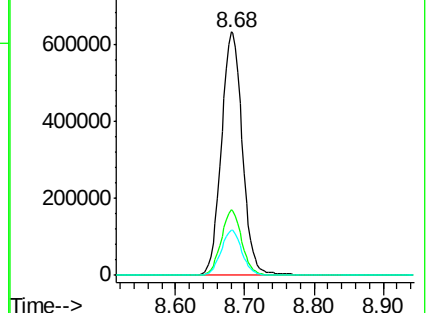
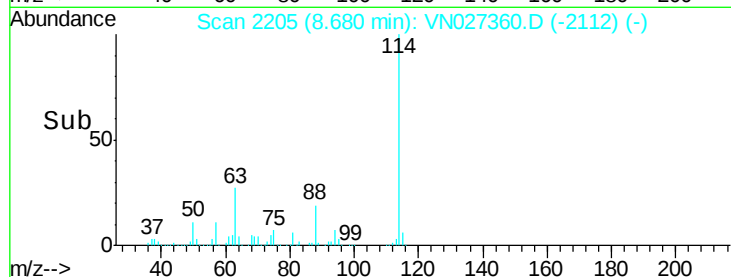
88 18.6 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#36

Dibromofluoromethane

Concen: 54.68 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027360.D

Acq: 22 Sep 2015 5:43

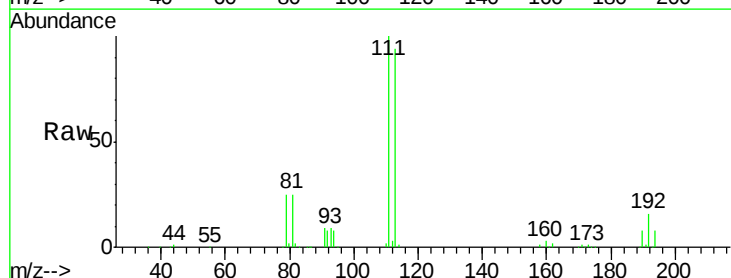
Tgt Ion:113 Resp: 473417

Ion Ratio Lower Upper

113 100

111 106.7 83.0 124.4

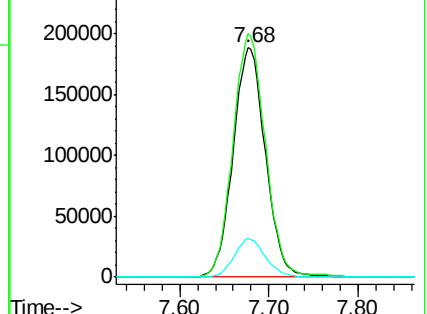
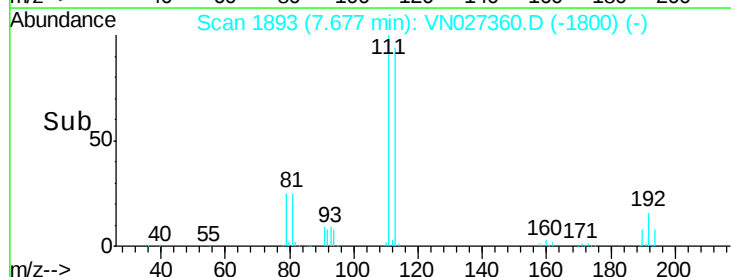
192 16.3 14.1 21.1

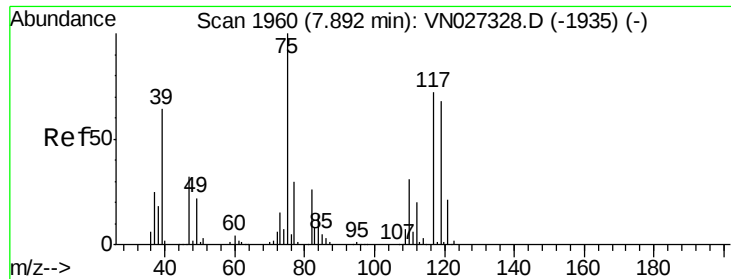


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

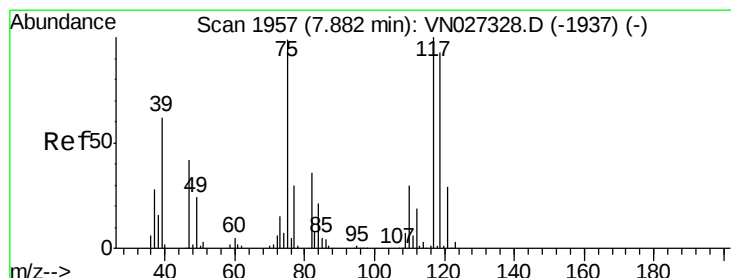
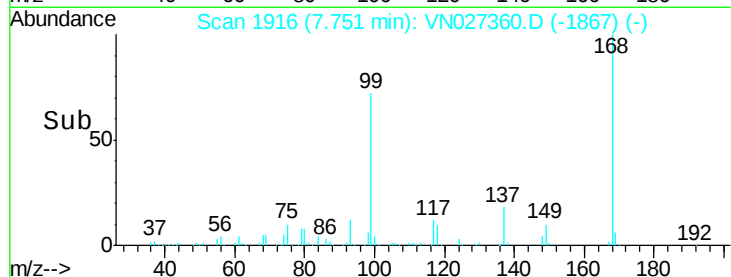
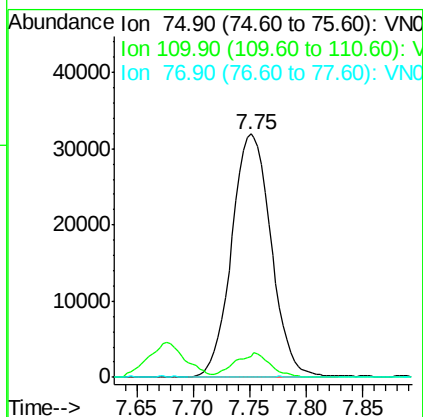
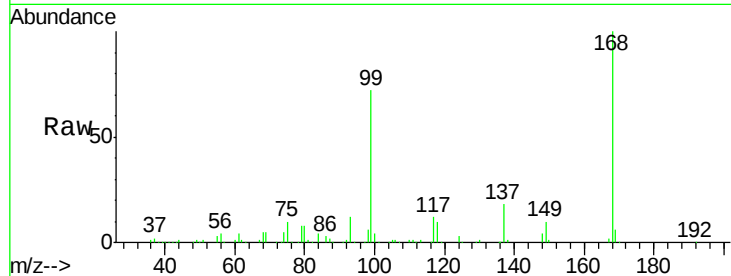




#37
 1,1-Dichloropropene
 Concen: 5.43 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

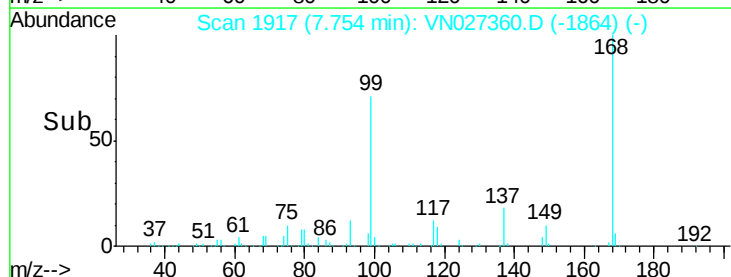
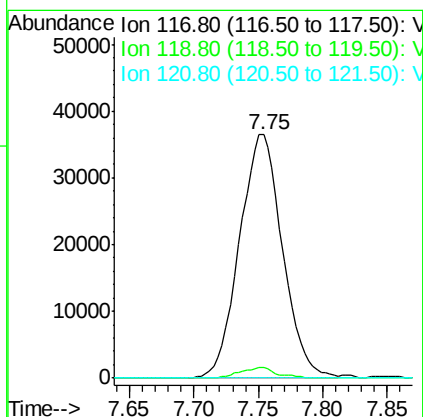
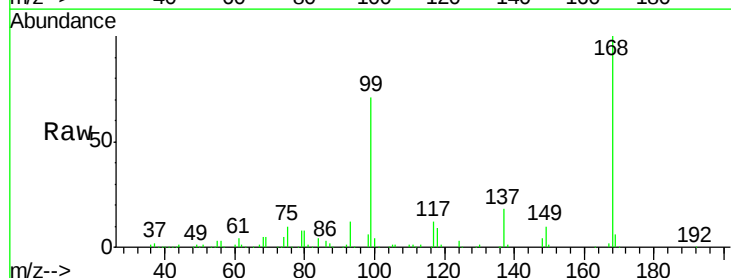
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 MSVOA_N
 ClientSampleId :
 MW-7BS

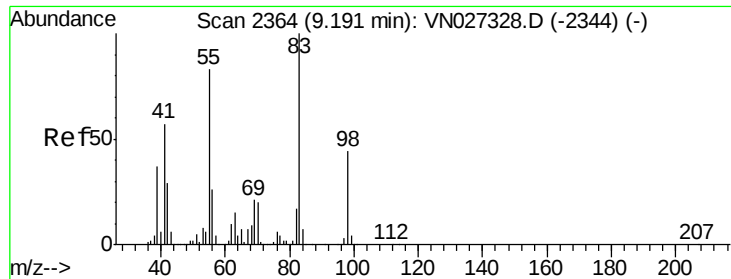
Tgt Ion: 75 Resp: 77610
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.9 47.7#
 77 0.0 24.9 37.3#



#39
 Carbon Tetrachloride
 Concen: 6.28 ug/l
 RT: 7.75 min Scan# 1917
 Delta R.T. -0.13 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

Tgt Ion: 117 Resp: 84521
 Ion Ratio Lower Upper
 117 100
 119 4.3 75.3 112.9#
 121 0.0 23.8 35.8#

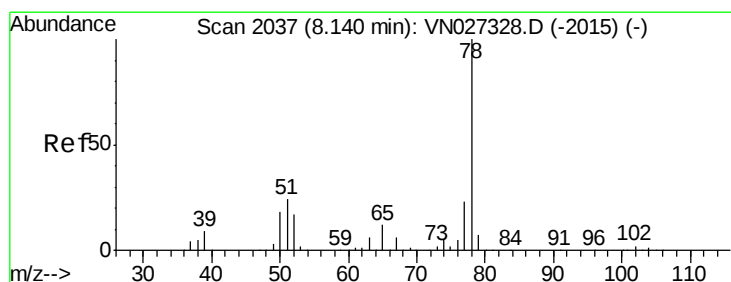
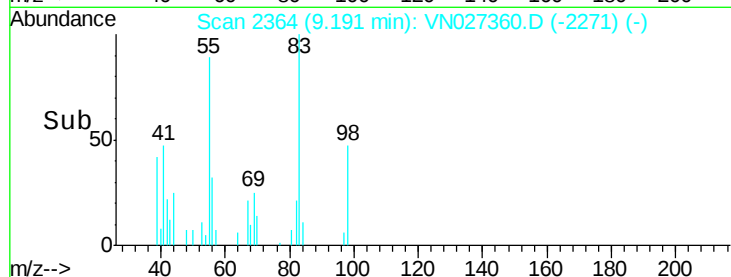
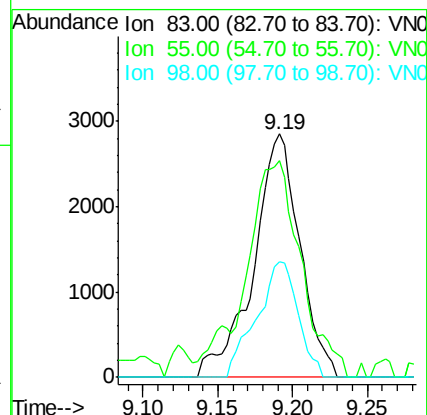
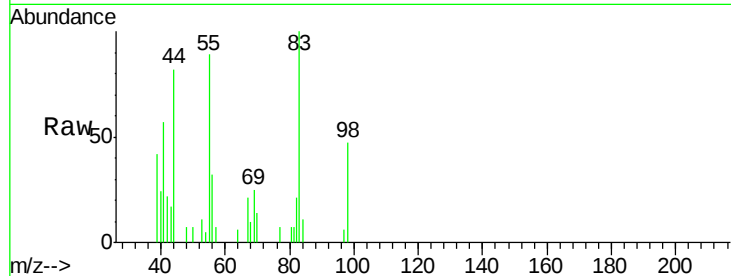




#40
Methylcyclohexane
Concen: 0.36 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027360.D
Acq: 22 Sep 2015 5:43

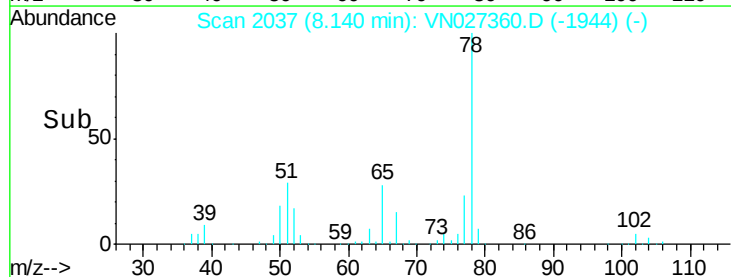
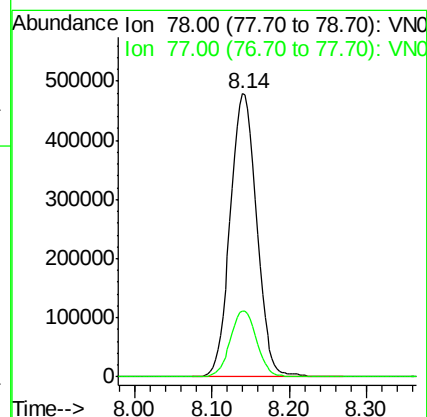
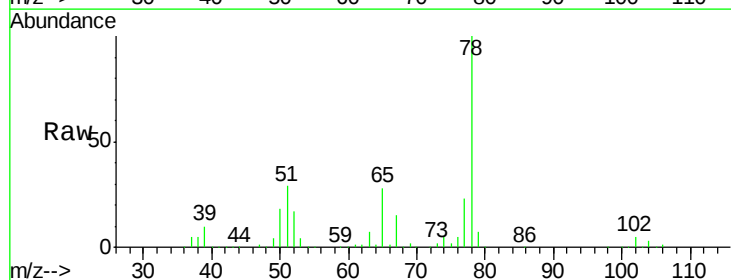
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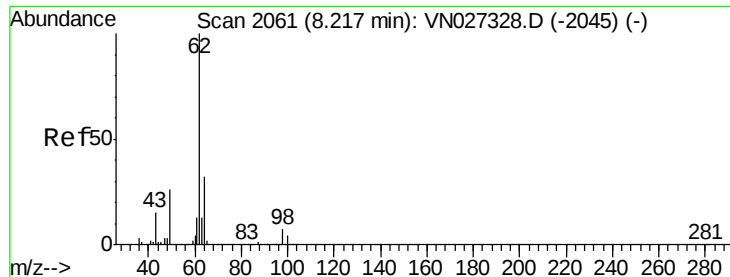
Tgt Ion: 83 Resp: 6130
Ion Ratio Lower Upper
83 100
55 82.9 69.8 104.8
98 47.4 34.3 51.5



#41
Benzene
Concen: 27.34 ug/l
RT: 8.14 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VN027360.D
Acq: 22 Sep 2015 5:43

Tgt Ion: 78 Resp: 1134665
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

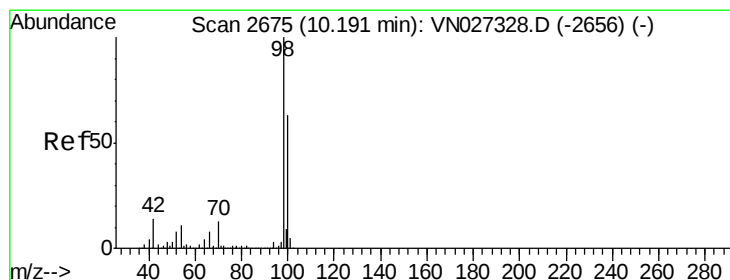
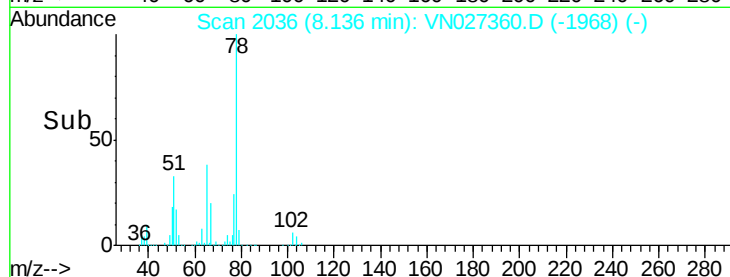
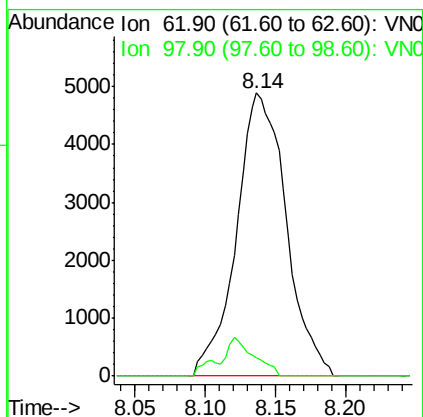
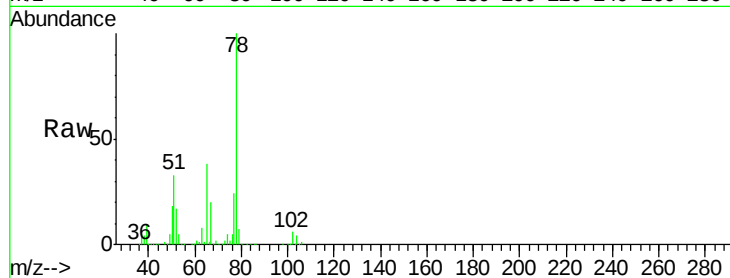




#43
 1,2-Dichloroethane
 Concen: 0.71 ug/l
 RT: 8.14 min Scan# 2036
 Delta R.T. -0.08 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

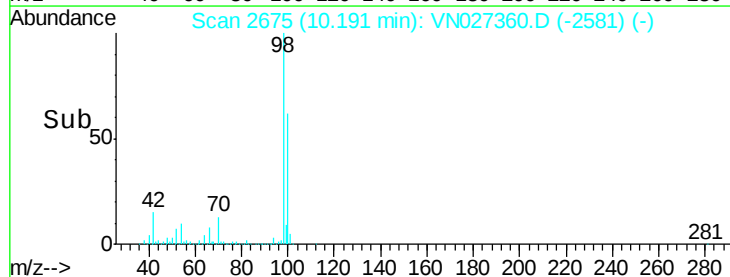
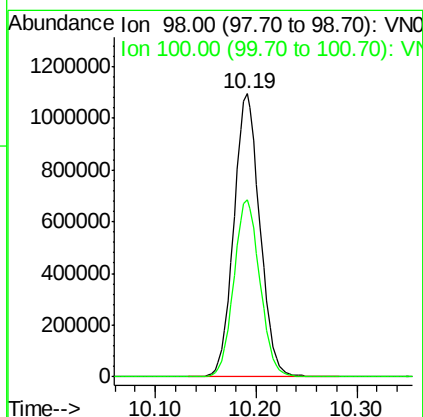
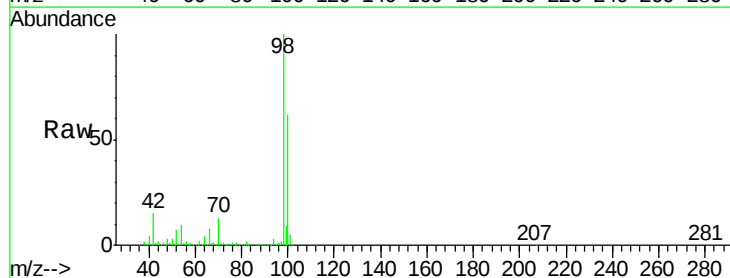
Instrument :
 MSVOA_N
 ClientSampled :
 MW-7BS

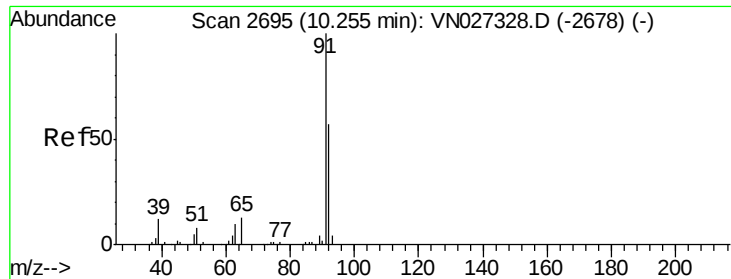
Tgt Ion: 62 Resp: 12081
 Ion Ratio Lower Upper
 62 100
 98 7.3 0.0 18.0



#51
 Toluene-d8
 Concen: 58.64 ug/l
 RT: 10.19 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

Tgt Ion: 98 Resp: 1962972
 Ion Ratio Lower Upper
 98 100
 100 62.9 50.5 75.7





#53

Toluene

Concen: 1.31 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027360.D

Acq: 22 Sep 2015 5:43

Instrument :

MSVOA_N

ClientSampleId :

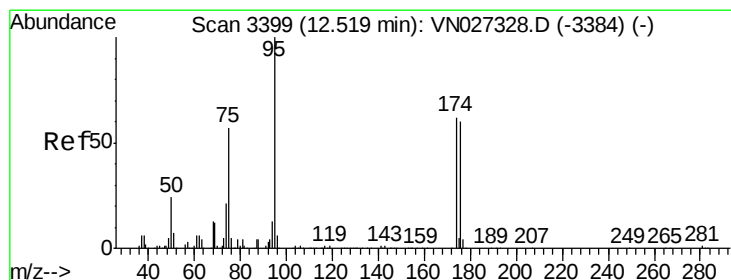
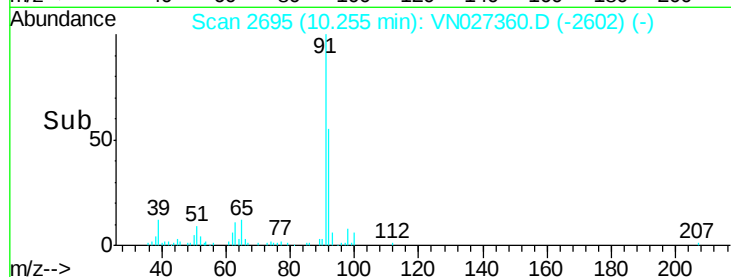
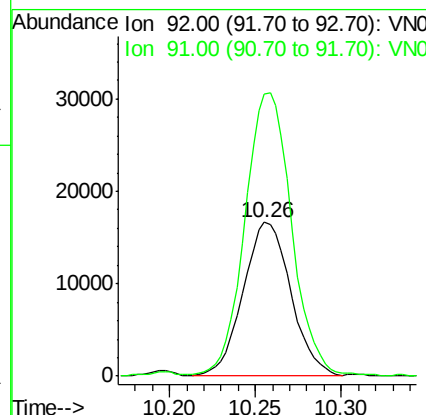
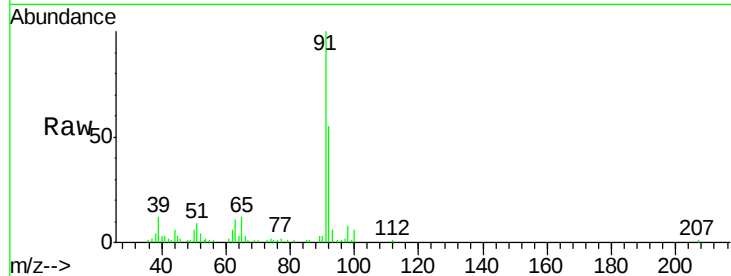
MW-7BS

Tgt Ion: 92 Resp: 32095

Ion Ratio Lower Upper

92 100

91 180.5 141.4 212.2



#63

4-Bromofluorobenzene

Concen: 56.62 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VN027360.D

Acq: 22 Sep 2015 5:43

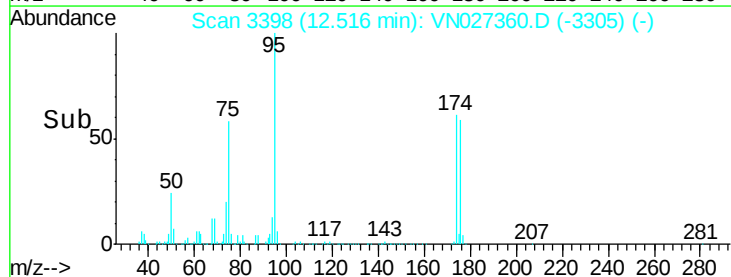
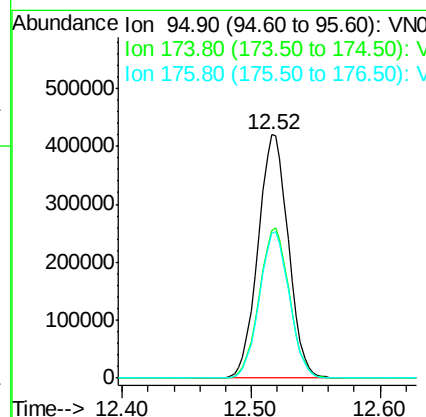
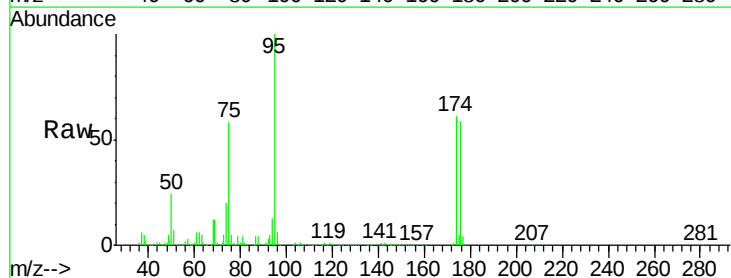
Tgt Ion: 95 Resp: 688626

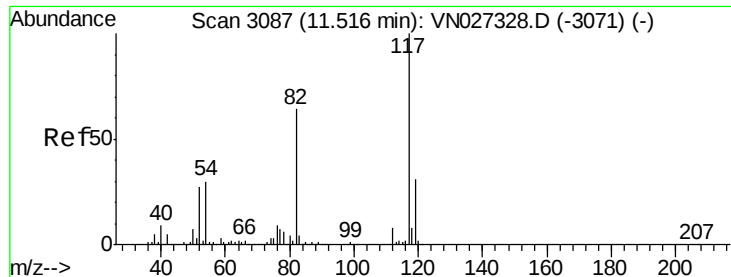
Ion Ratio Lower Upper

95 100

174 61.5 0.0 137.0

176 59.5 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: VN027360.D

Acq: 22 Sep 2015 5:43

Instrument :

MSVOA_N

ClientSampleId :

MW-7BS

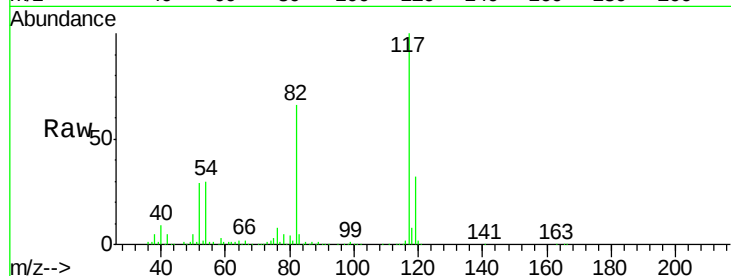
Tgt Ion:117 Resp: 1146204

Ion Ratio Lower Upper

117 100

82 65.6 49.6 74.4

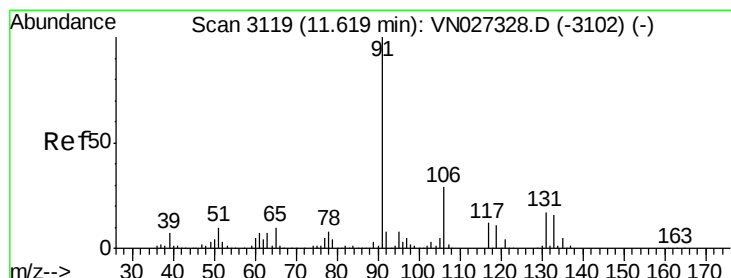
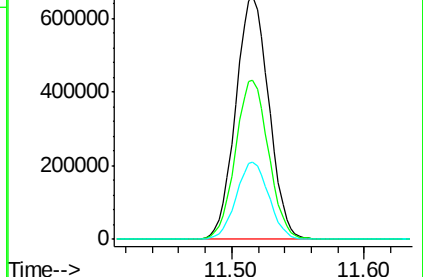
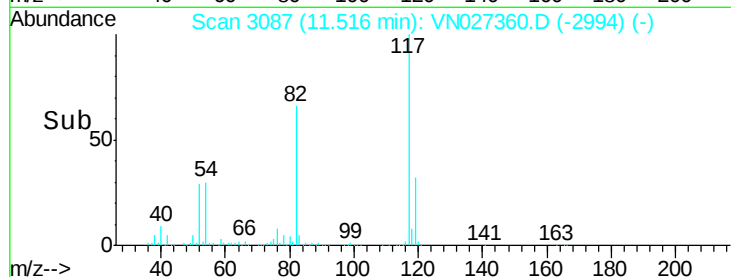
119 31.9 24.6 36.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VNO

Ion 118.90 (118.60 to 119.60): V



#68

Ethyl Benzene

Concen: 9.41 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

Lab File: VN027360.D

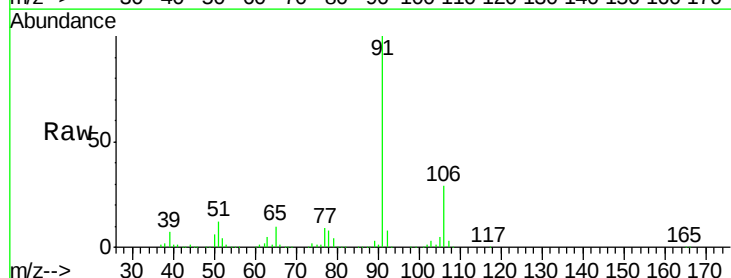
Acq: 22 Sep 2015 5:43

Tgt Ion: 91 Resp: 436309

Ion Ratio Lower Upper

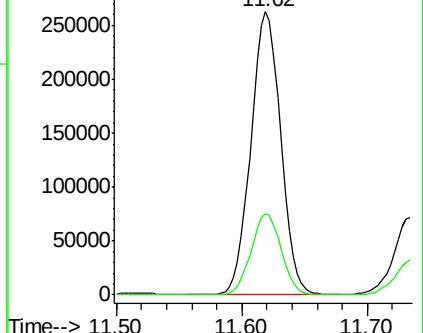
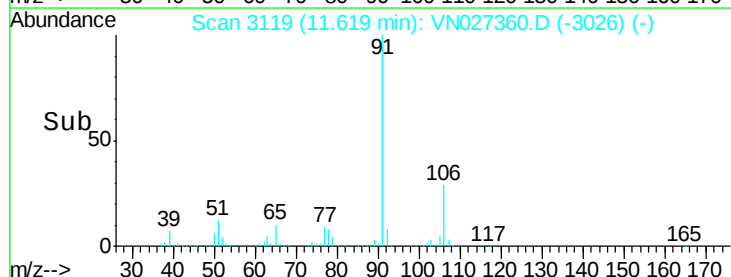
91 100

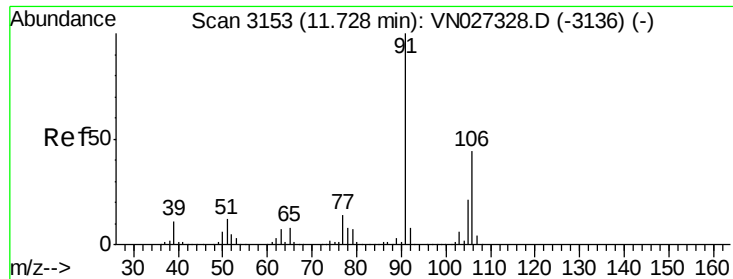
106 28.8 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 106.00 (105.70 to 106.70): V





#69

m/p-Xylenes

Concen: 3.58 ug/l

RT: 11.73 min Scan# 3155

Delta R.T. 0.01 min

Lab File: VN027360.D

Acq: 22 Sep 2015 5:43

Instrument :

MSVOA_N

ClientSampled :

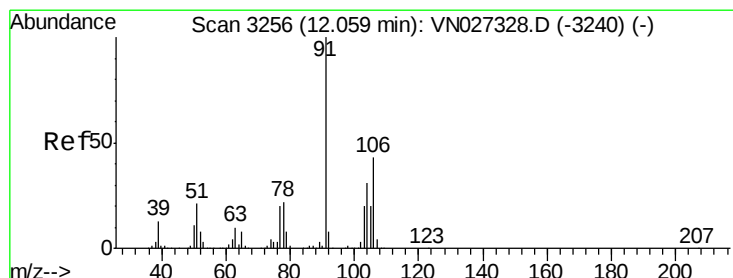
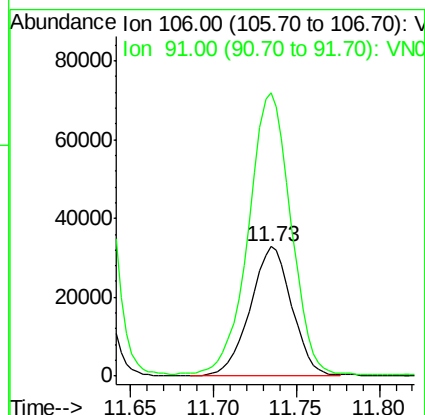
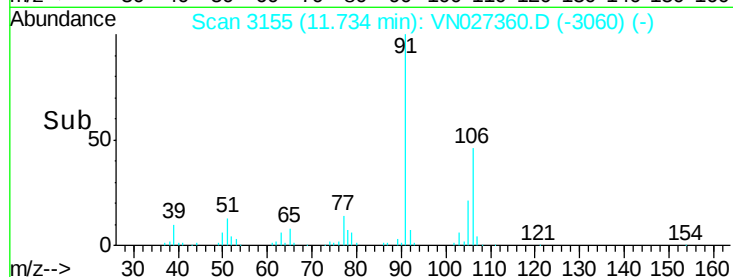
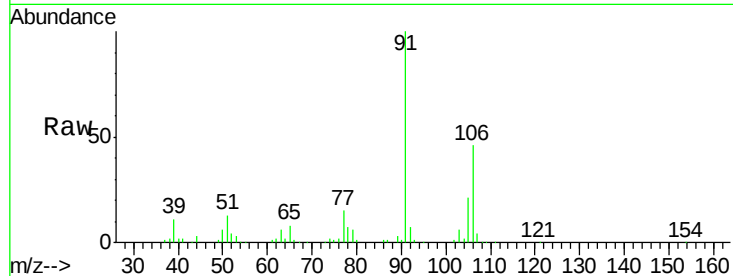
MW-7BS

Tgt Ion:106 Resp: 57543

Ion Ratio Lower Upper

106 100

91 221.8 167.1 250.7



#70

o-Xylene

Concen: 5.01 ug/l

RT: 12.06 min Scan# 3255

Delta R.T. -0.00 min

Lab File: VN027360.D

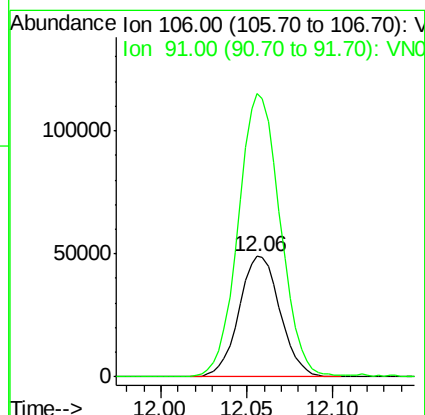
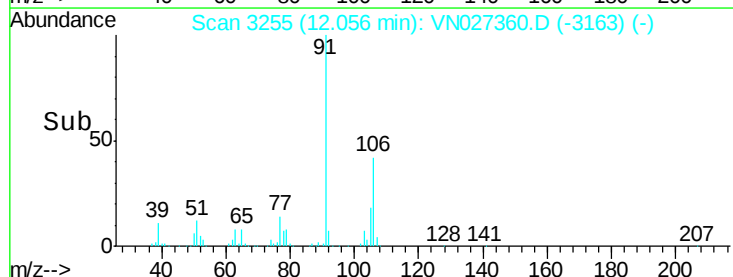
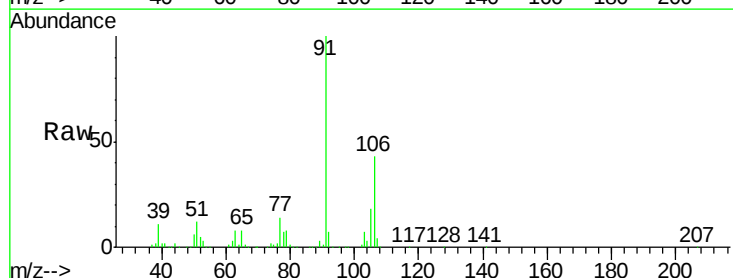
Acq: 22 Sep 2015 5:43

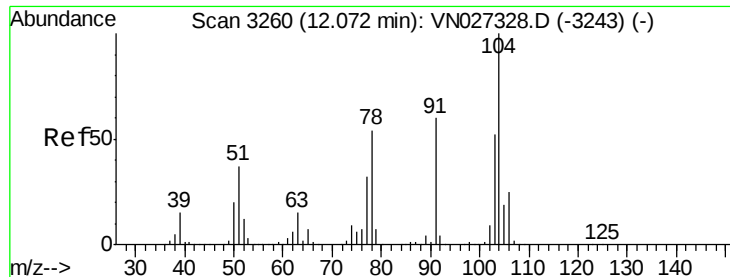
Tgt Ion:106 Resp: 81426

Ion Ratio Lower Upper

106 100

91 238.6 110.7 331.9





#71

Styrene

Concen: 0.38 ug/l

RT: 12.06 min Scan# 3257

Delta R.T. -0.01 min

Lab File: VN027360.D

Acq: 22 Sep 2015 5:43

Instrument :

MSVOA_N

ClientSampled :

MW-7BS

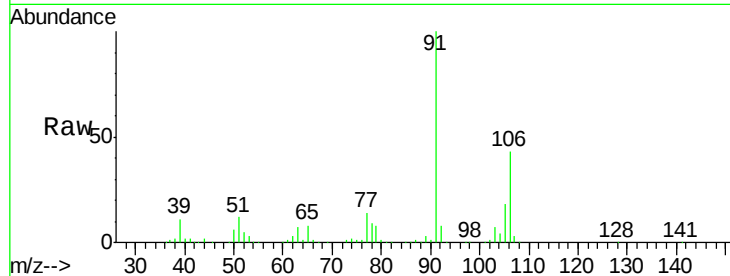
Tgt Ion:104 Resp: 9791

Ion Ratio Lower Upper

104 100

78 173.0 41.6 62.4#

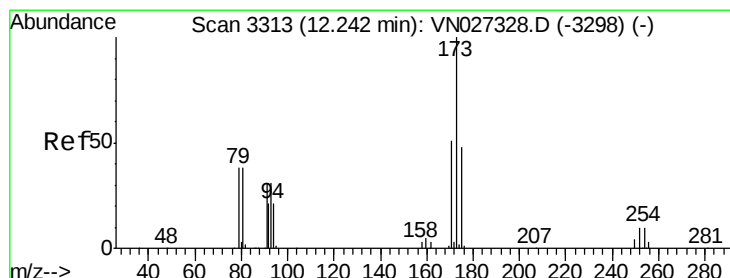
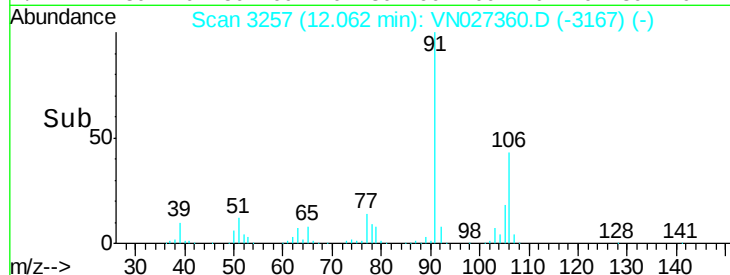
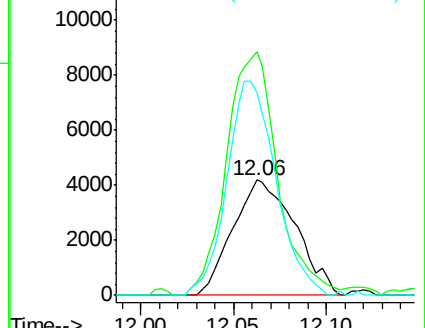
103 146.3 44.2 66.2#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 0.34 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.28 min

Lab File: VN027360.D

Acq: 22 Sep 2015 5:43

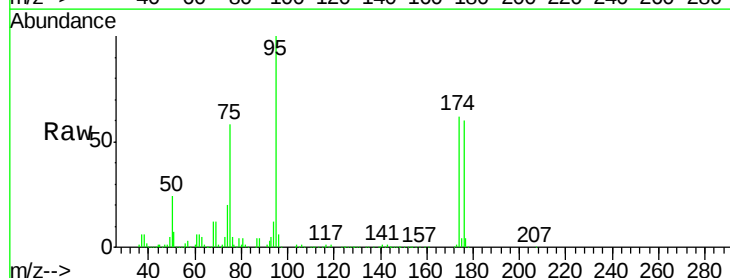
Tgt Ion:173 Resp: 1884

Ion Ratio Lower Upper

173 100

175 1490.4 24.4 73.4#

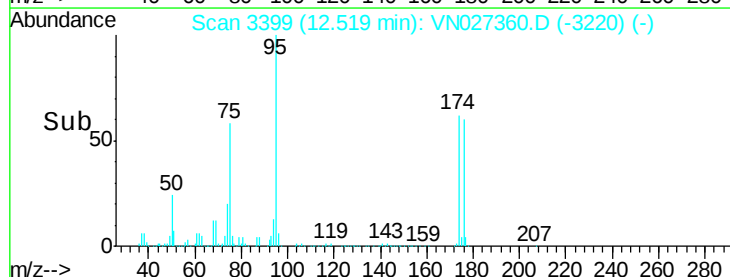
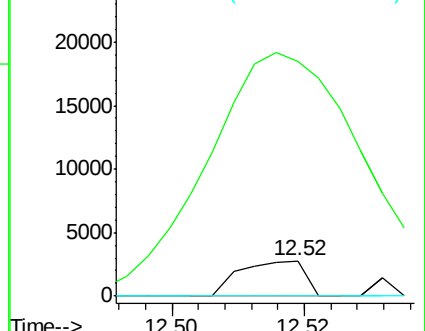
254 0.0 0.1 0.1#

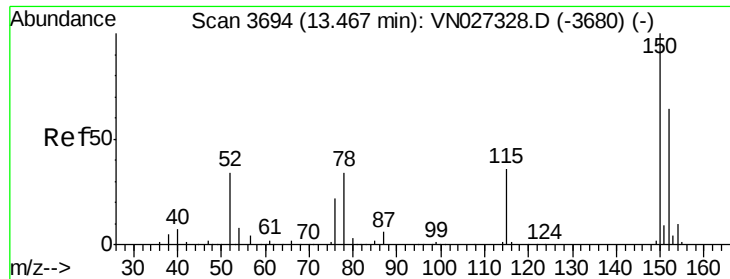


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027360.D

Acq: 22 Sep 2015 5:43

Instrument :

MSVOA_N

ClientSampleId :

MW-7BS

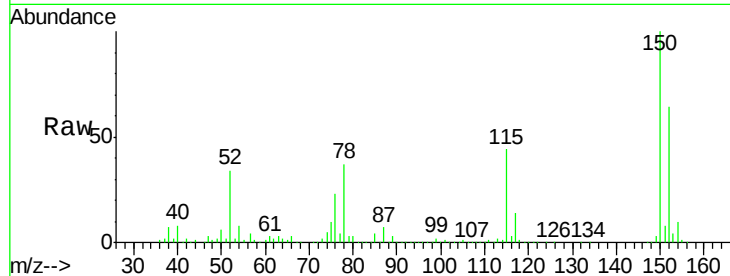
Tgt Ion:152 Resp: 436748

Ion Ratio Lower Upper

152 100

115 69.2 30.8 92.3

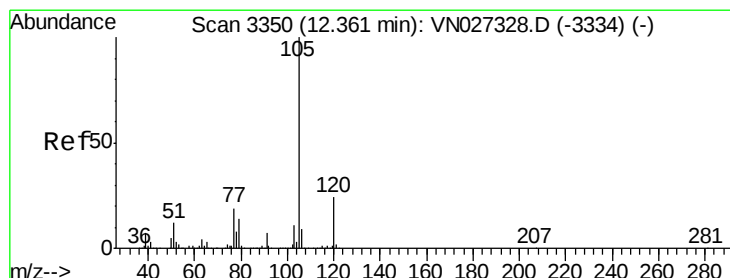
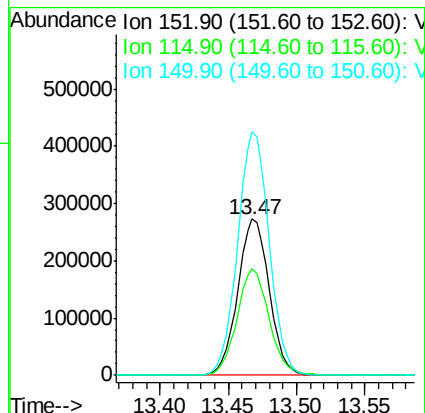
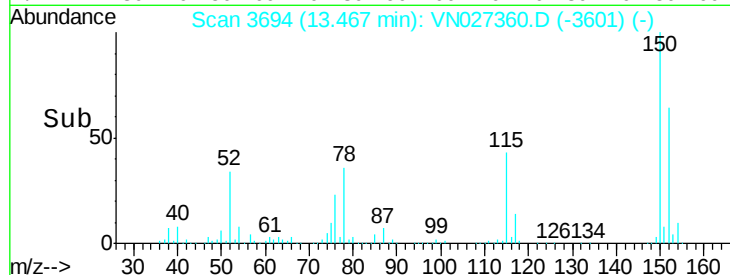
150 156.3 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

Isopropylbenzene

Concen: 3.05 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027360.D

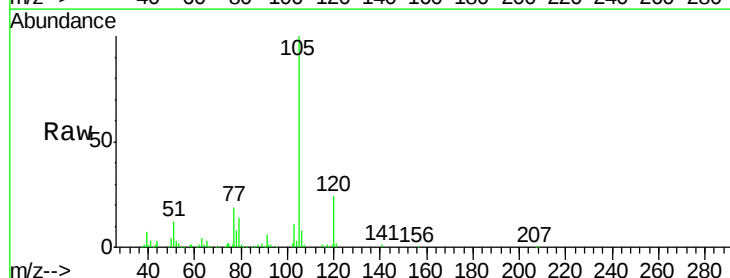
Acq: 22 Sep 2015 5:43

Tgt Ion:105 Resp: 133397

Ion Ratio Lower Upper

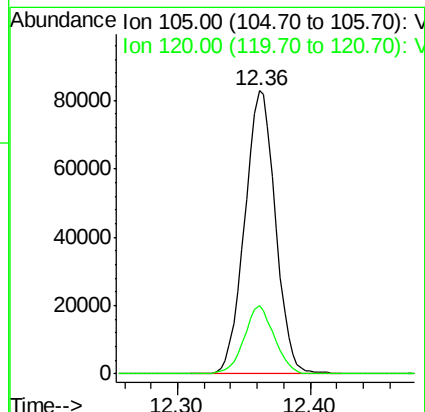
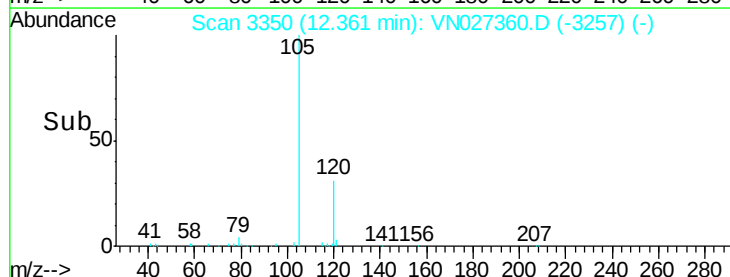
105 100

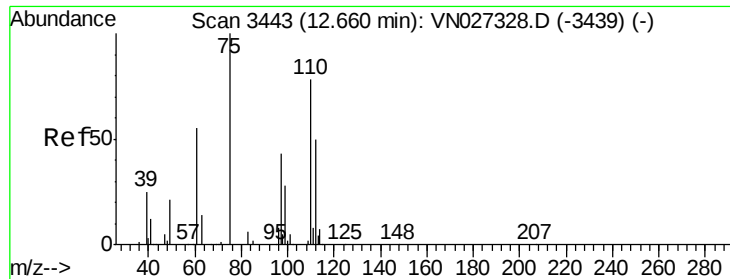
120 23.6 12.4 37.2



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: 36.70 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027360.D

Acq: 22 Sep 2015 5:43

Instrument :

MSVOA_N

ClientSampled :

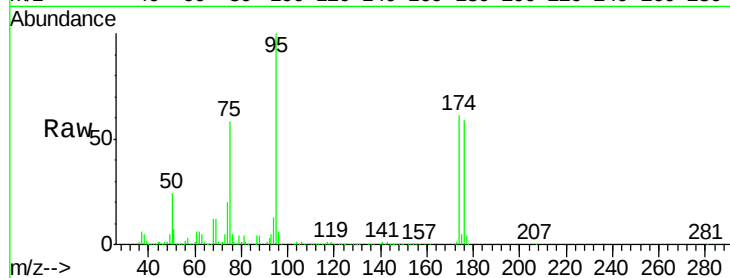
MW-7BS

Tgt Ion: 75 Resp: 402445

Ion Ratio Lower Upper

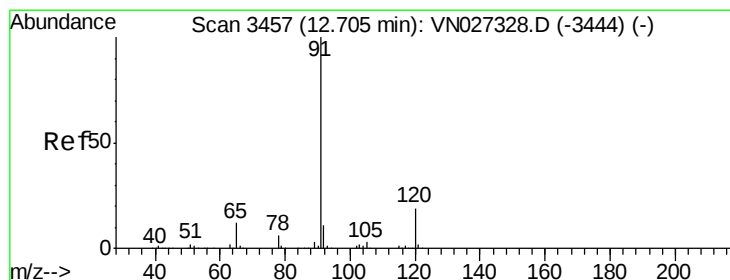
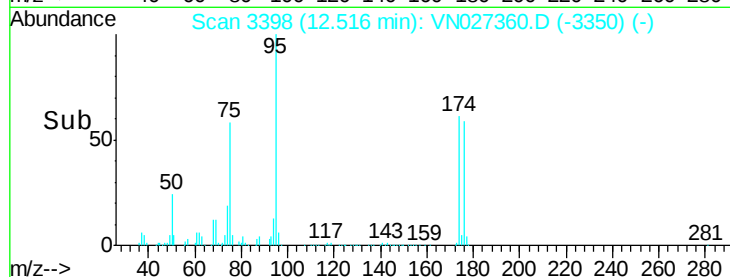
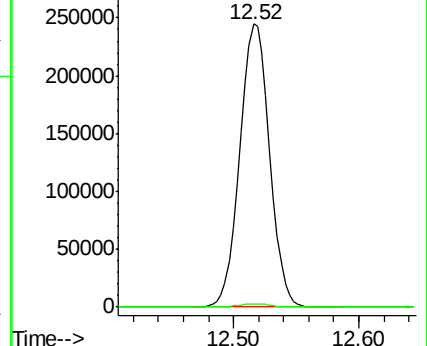
75 100

77 1.3 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

n-propylbenzene

Concen: 0.52 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027360.D

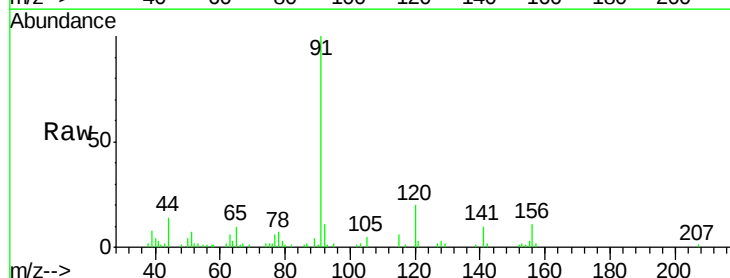
Acq: 22 Sep 2015 5:43

Tgt Ion: 91 Resp: 27015

Ion Ratio Lower Upper

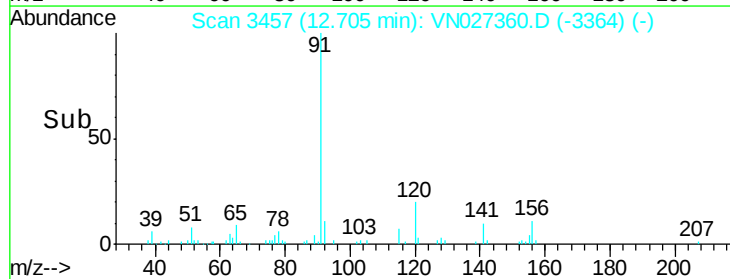
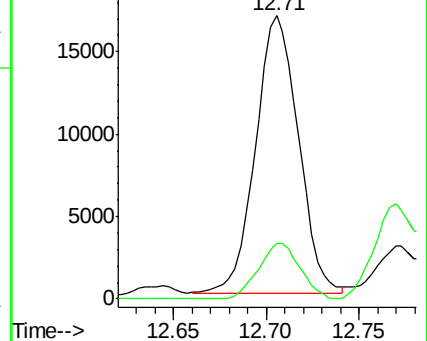
91 100

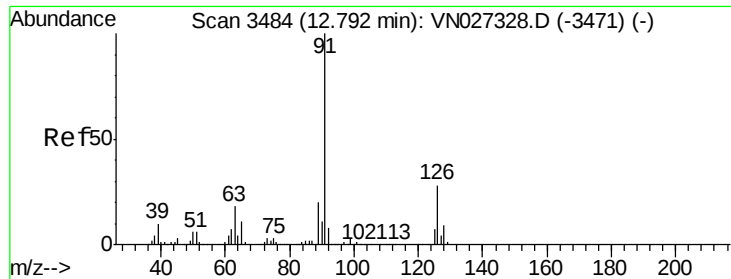
120 19.4 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

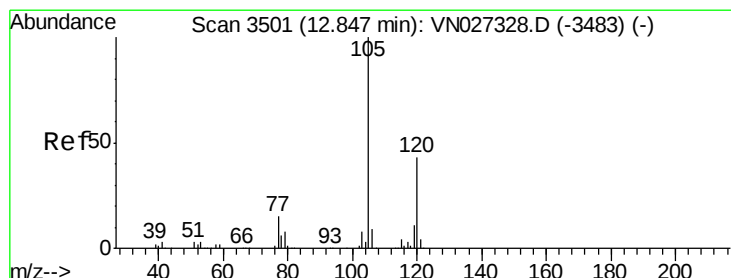
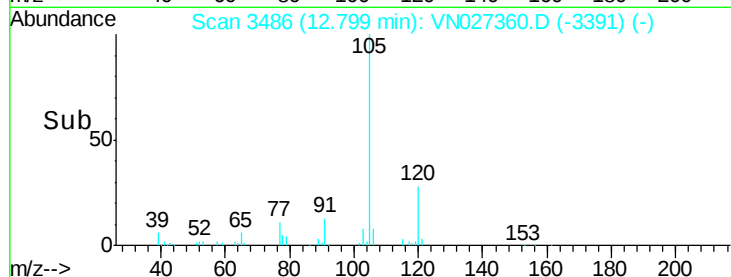
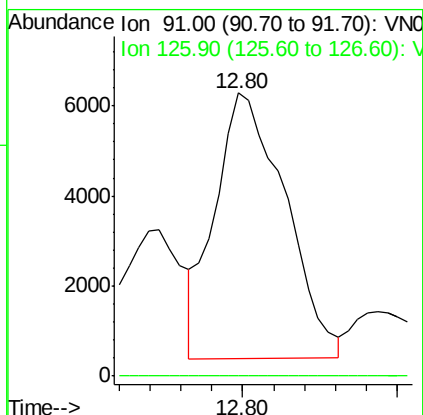
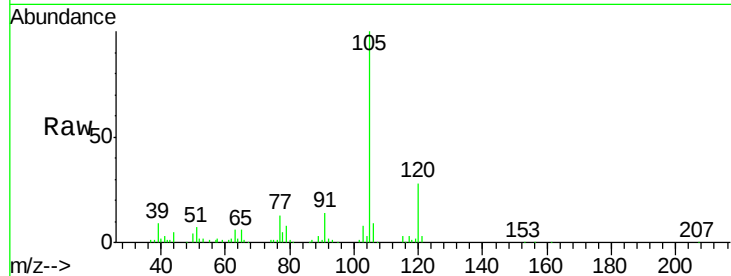




#80
 2-Chlorotoluene
 Concen: 0.29 ug/l
 RT: 12.80 min Scan# 3486
 Delta R.T. 0.01 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

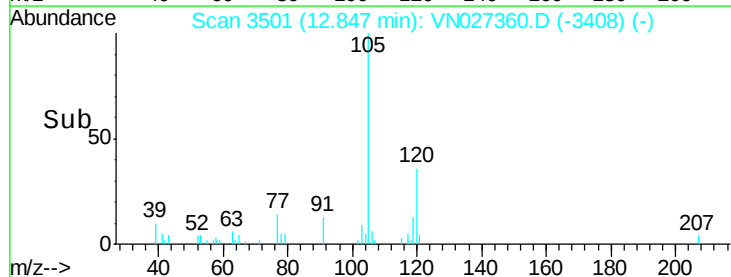
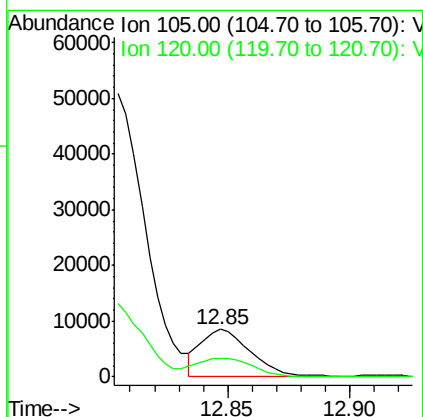
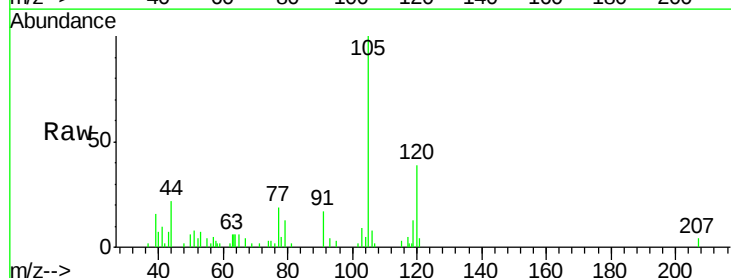
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BS

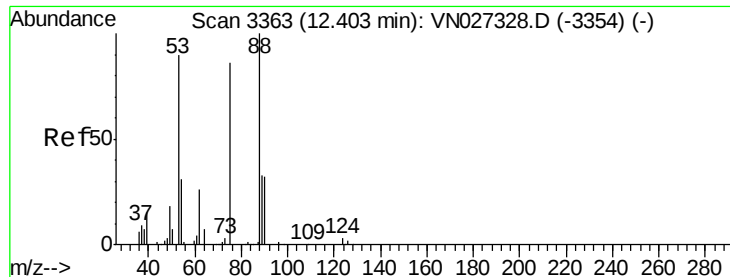
Tgt Ion: 91 Resp: 9279
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.2 45.5#



#81
 1,3,5-Trimethylbenzene
 Concen: 0.34 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

Tgt Ion: 105 Resp: 12171
 Ion Ratio Lower Upper
 105 100
 120 44.4 23.4 70.0





#82

trans-1,4-Dichloro-2-butene

Concen: 94.12 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027360.D

Acq: 22 Sep 2015 5:43

Instrument :

MSVOA_N

ClientSampled :

MW-7BS

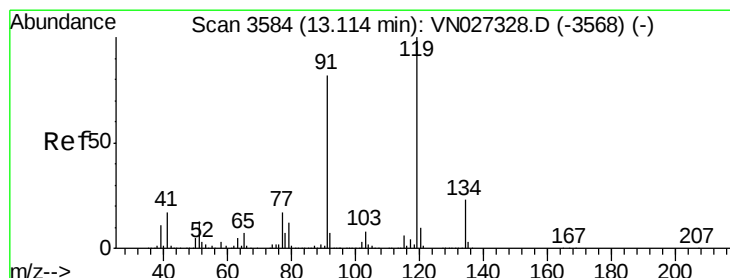
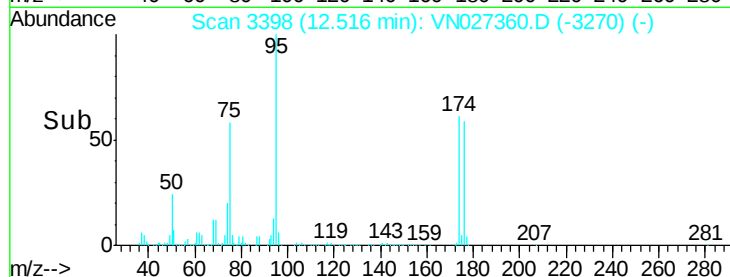
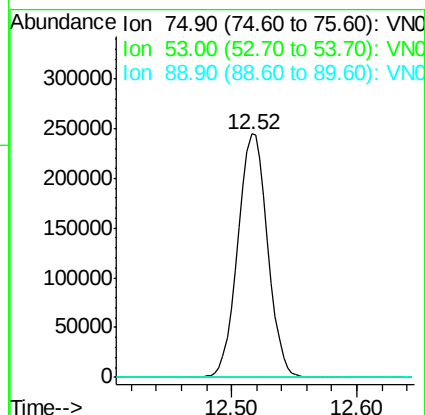
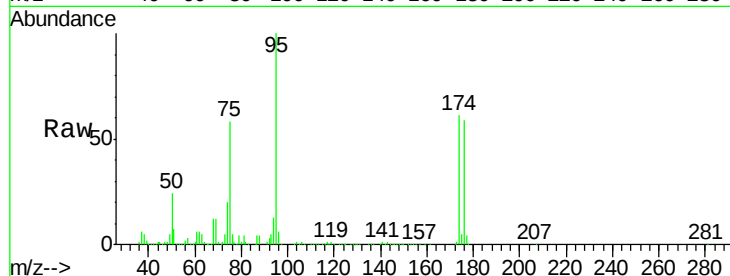
Tgt Ion: 75 Resp: 402445

Ion Ratio Lower Upper

75 100

53 0.1 92.9 139.3#

89 0.0 34.2 51.4#



#84

tert-Butylbenzene

Concen: 0.24 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. 0.05 min

Lab File: VN027360.D

Acq: 22 Sep 2015 5:43

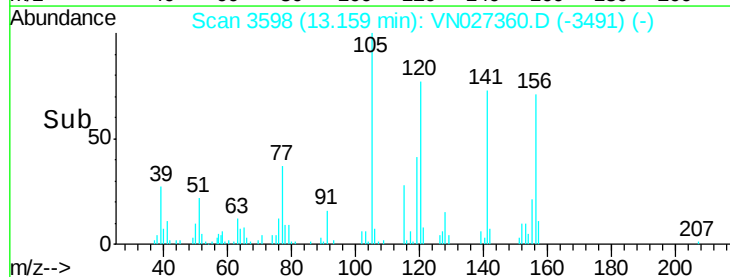
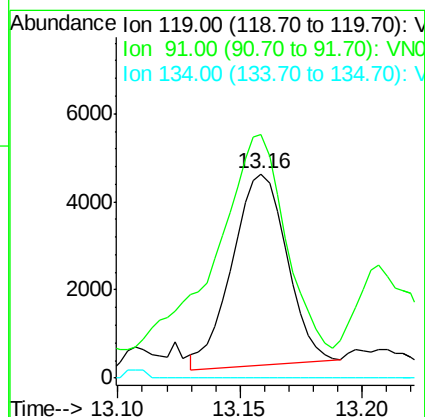
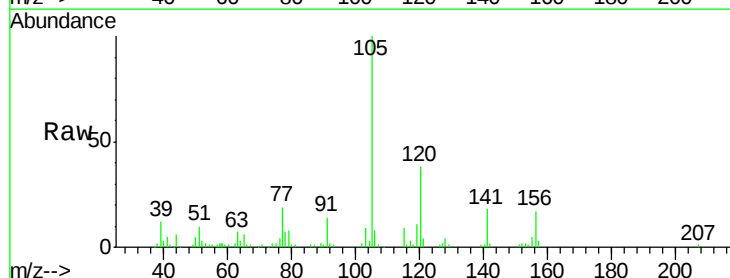
Tgt Ion: 119 Resp: 6766

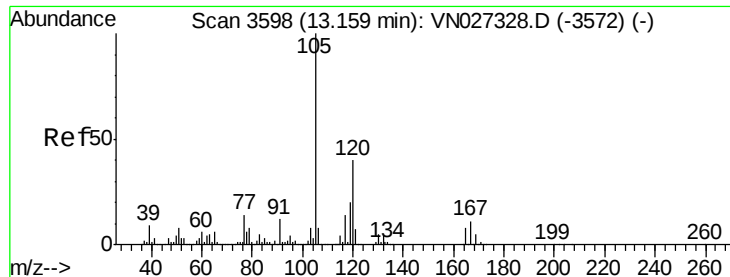
Ion Ratio Lower Upper

119 100

91 139.7 34.6 103.8#

134 0.0 11.4 34.2#

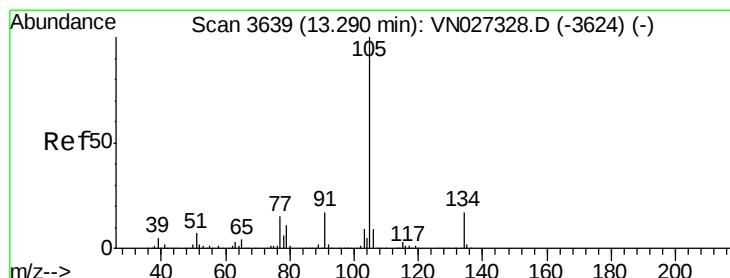
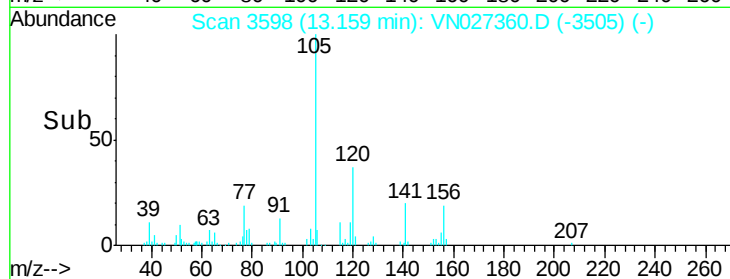
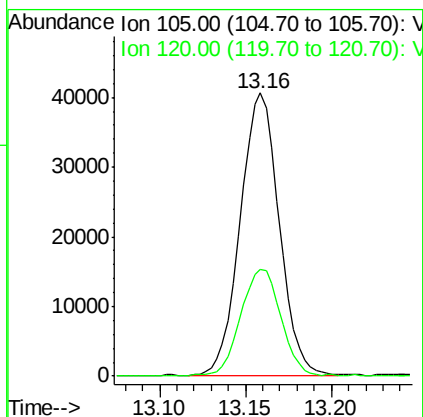
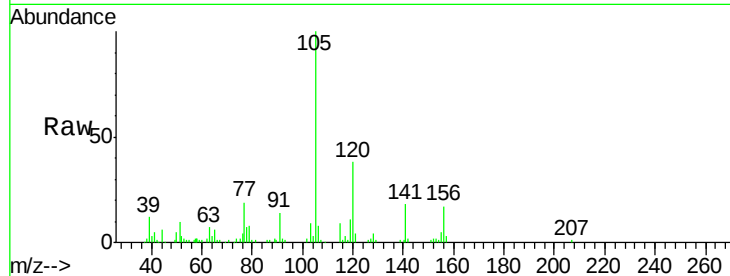




#85
 1,2,4-Trimethylbenzene
 Concen: 1.83 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

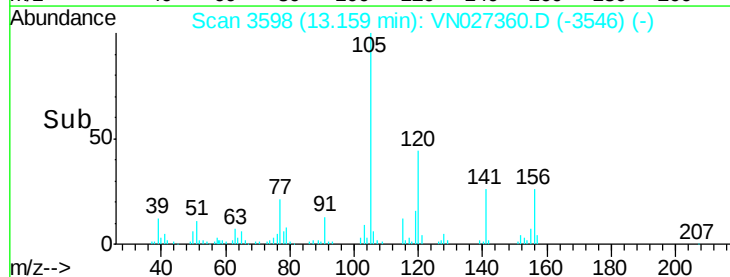
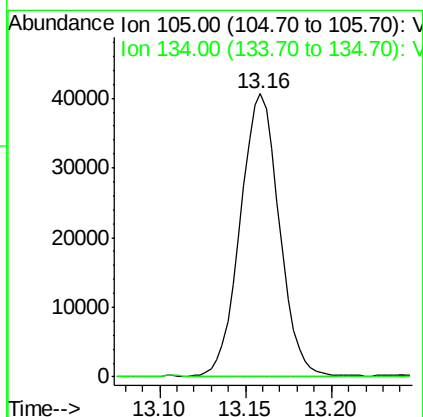
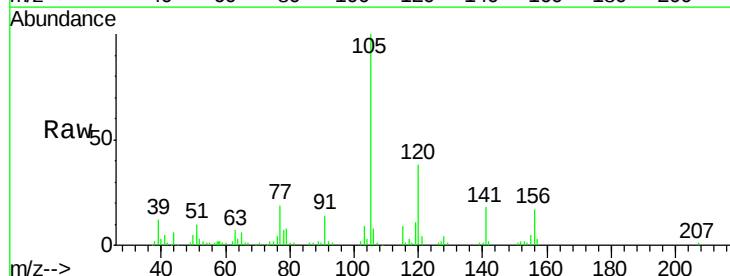
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BS

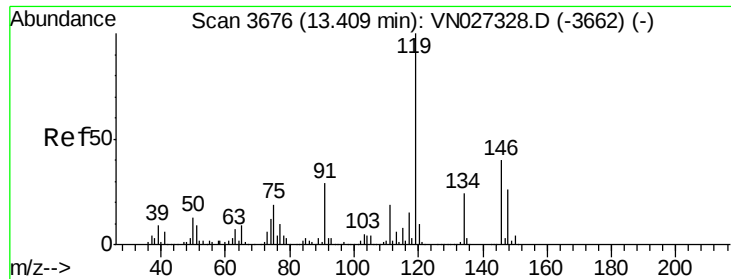
Tgt Ion:105 Resp: 64311
 Ion Ratio Lower Upper
 105 100
 120 38.7 21.9 65.5



#86
 sec-Butylbenzene
 Concen: 1.51 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. -0.13 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

Tgt Ion:105 Resp: 64311
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.8 26.4#

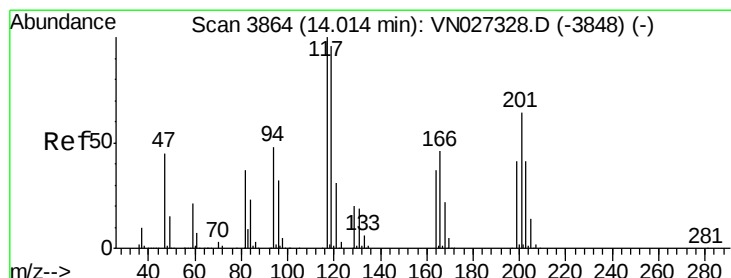
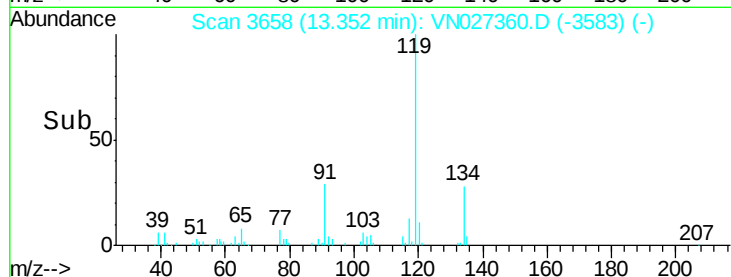
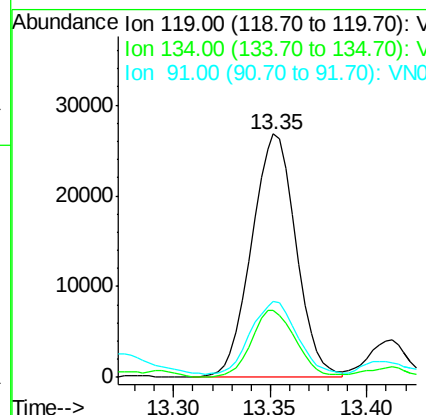
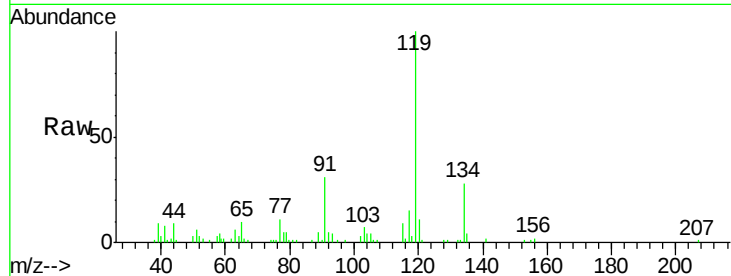




#87
p-Isopropyltoluene
Concen: 1.35 ug/l
RT: 13.35 min Scan# 3658
Delta R.T. -0.06 min
Lab File: VN027360.D
Acq: 22 Sep 2015 5:43

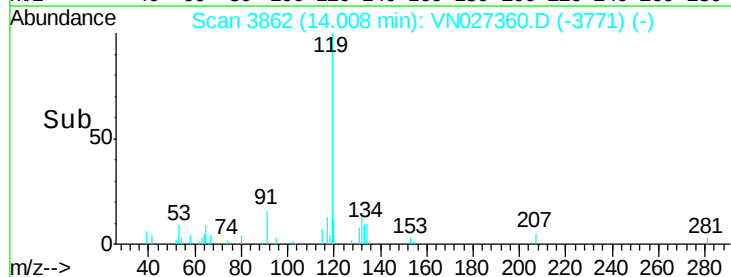
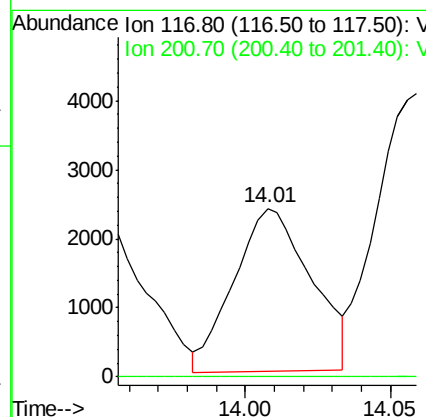
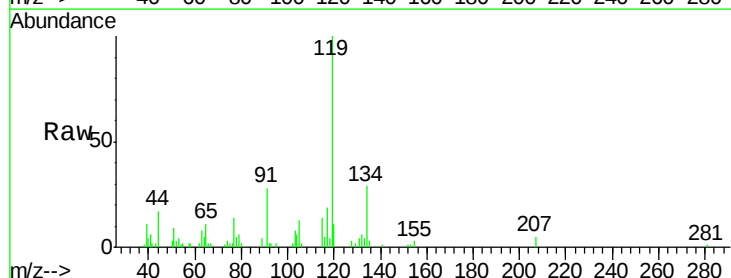
Instrument :
MSVOA_N
ClientSampleId :
MW-7BS

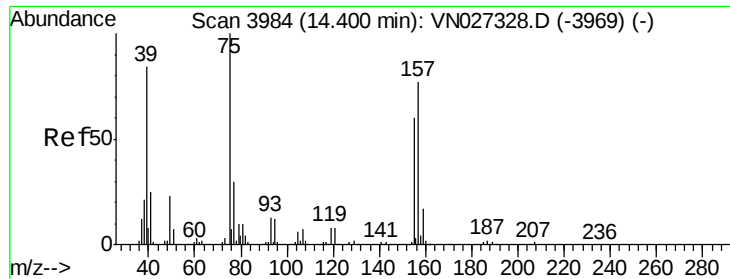
Tgt Ion:119 Resp: 42853
Ion Ratio Lower Upper
119 100
134 27.6 12.4 37.0
91 30.8 12.0 36.1



#91
Hexachloroethane
Concen: 0.64 ug/l
RT: 14.01 min Scan# 3862
Delta R.T. -0.01 min
Lab File: VN027360.D
Acq: 22 Sep 2015 5:43

Tgt Ion:117 Resp: 4364
Ion Ratio Lower Upper
117 100
201 0.0 34.9 104.7#

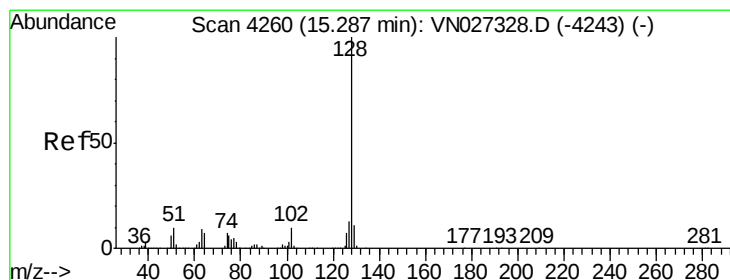
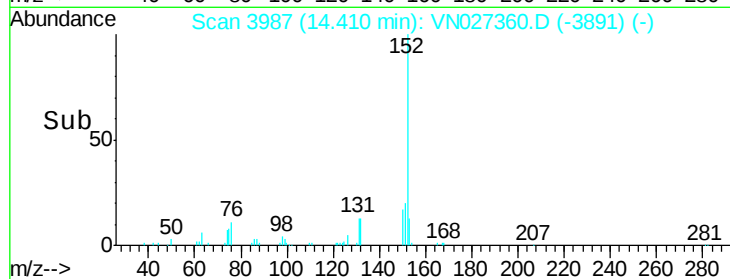
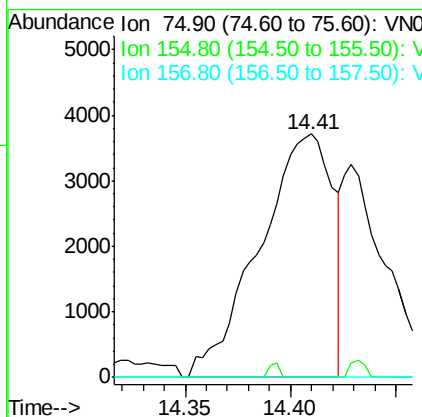
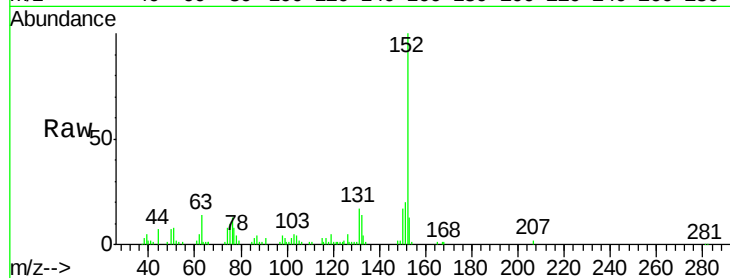




#93
 1,2-Dibromo-3-Chloropropane
 Concen: 3.71 ug/l
 RT: 14.41 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BS

Tgt Ion: 75 Resp: 8959
 Ion Ratio Lower Upper
 75 100
 155 0.9 35.6 106.9#
 157 0.0 44.6 133.8#



#96
 Naphthalene
 Concen: 12.38 ug/l
 RT: 15.29 min Scan# 4260
 Delta R.T. 0.00 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

Tgt Ion: 128 Resp: 216682
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.4 15.6
 129 11.7 8.6 12.8

