

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 08:14:21 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) 1,2-Dichloroethane-d4	8.12	65	770313	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
36) Dibromofluoromethane	7.68	113	473417	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
51) Toluene-d8	10.19	98	1962972	58.64	ug/l	0.00
Spiked Amount			Recovery	=	117.28%	
63) 4-Bromofluorobenzene	12.52	95	688626	56.62	ug/l	0.00
Spiked Amount			Recovery	=	113.24%	

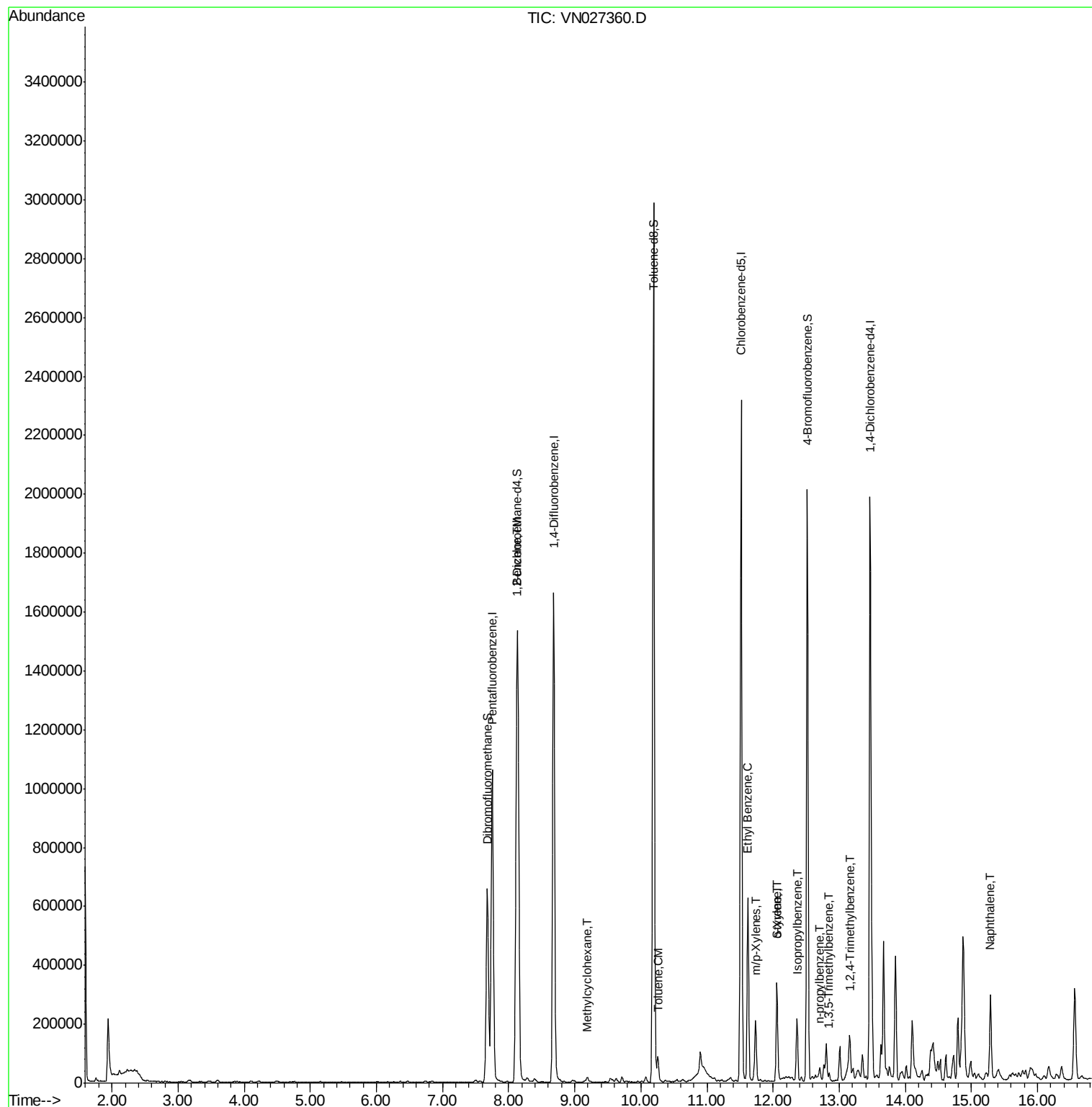
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
40) Methylcyclohexane	9.19	83	6130	0.36	ug/l	95
41) Benzene	8.14	78	1134665	27.34	ug/l	100
53) Toluene	10.26	92	32095	1.31	ug/l	97
68) Ethyl Benzene	11.62	91	436309	9.41	ug/l	100
69) m/p-Xylenes	11.73	106	57543	3.58	ug/l	92
70) o-Xylene	12.06	106	81426	5.01	ug/l	89
71) Styrene	12.06	104	9791	0.38	ug/l #	1
74) Isopropylbenzene	12.36	105	133397	3.05	ug/l	98
79) n-propylbenzene	12.71	91	27015	0.52	ug/l	98
81) 1,3,5-Trimethylbenzene	12.85	105	12171	0.34	ug/l	97
85) 1,2,4-Trimethylbenzene	13.16	105	64311	1.83	ug/l	92
96) Naphthalene	15.29	128	216682	12.38	ug/l	98

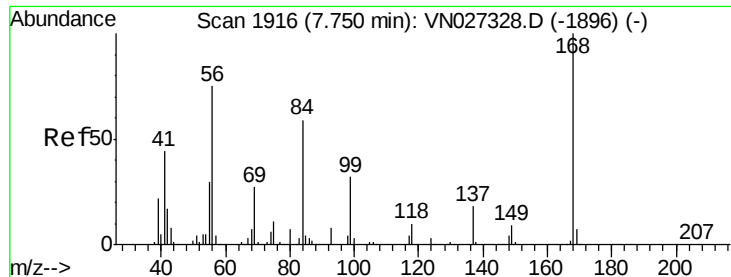
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

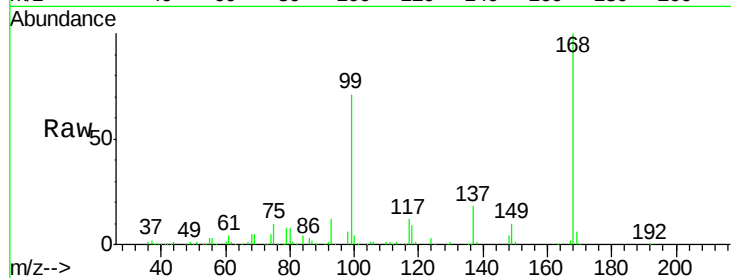
MW-7BS

Tot 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): VNO

7.75

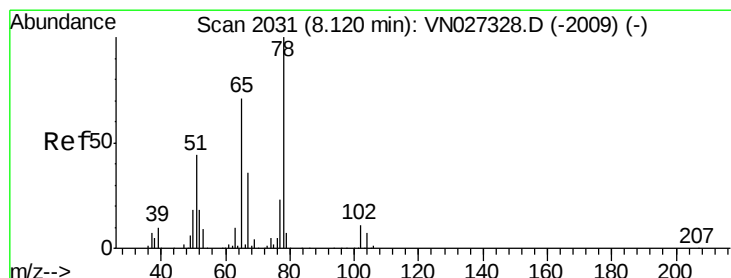
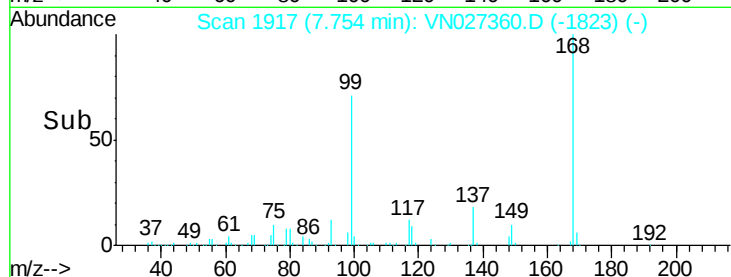
300000

200000

100000

0

Time-->



#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

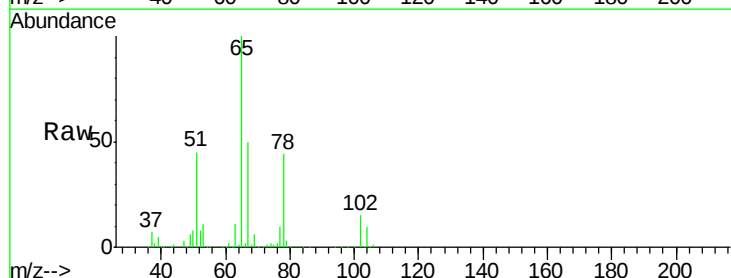
Acq: 22 Sep 2015 5:43

Tgt Ion: 65 Resp: 770313

Ion Ratio Lower Upper

65 100

67 49.7 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.12

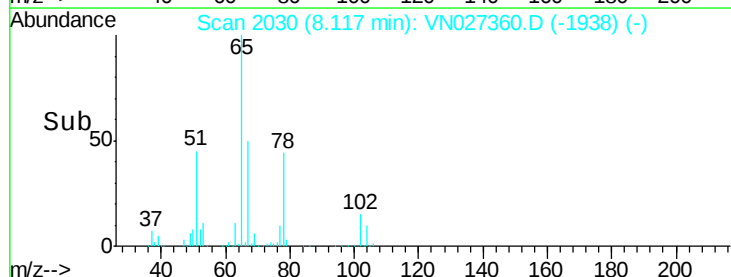
300000

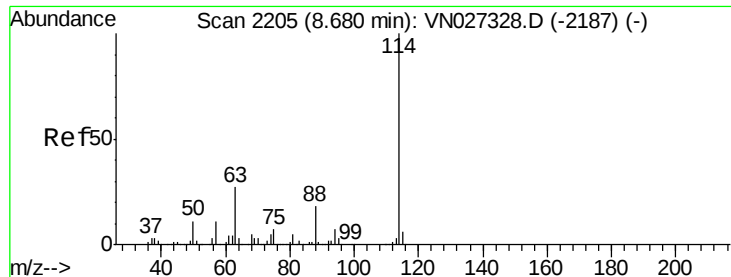
200000

100000

0

Time-->

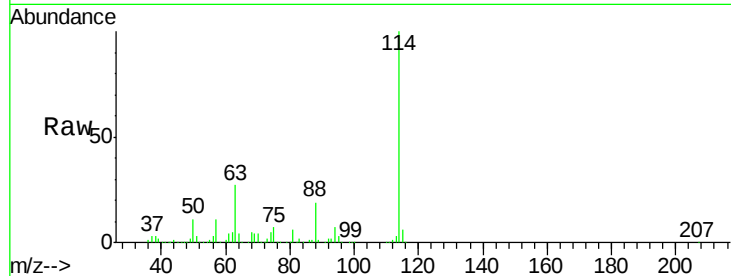




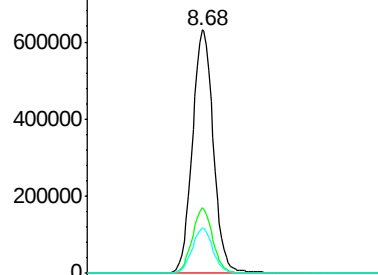
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BS

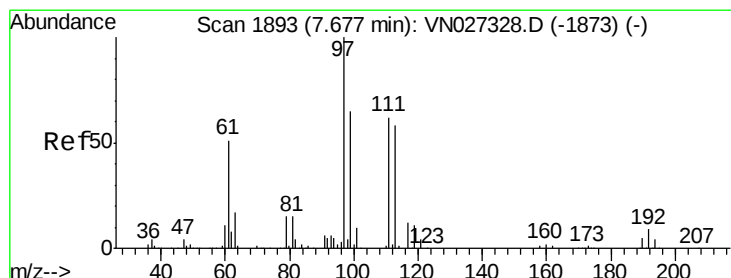
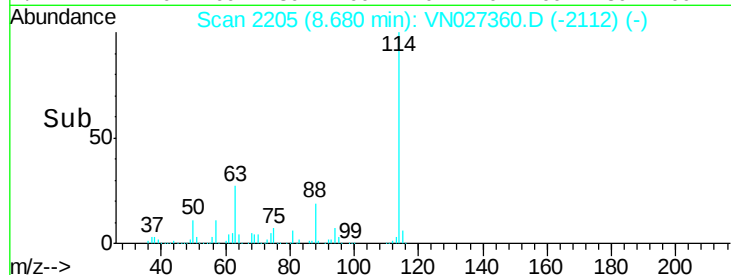
Tot Ion:114 Resp: 1327016
 Ion Ratio Lower Upper
 114 100
 63 26.8 0.0 48.8
 88 18.6 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

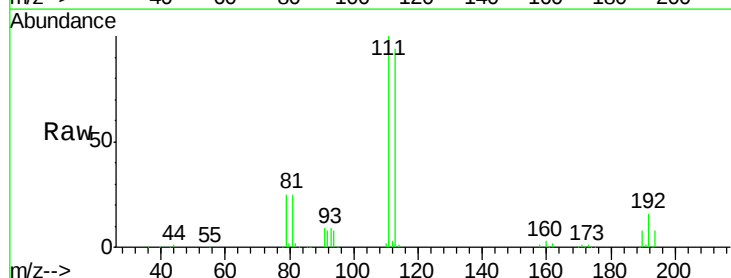


Time-->

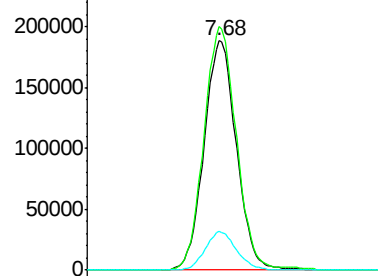


#36
 Dibromofluoromethane
 Concen: 54.68 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027360.D
 Acq: 22 Sep 2015 5:43

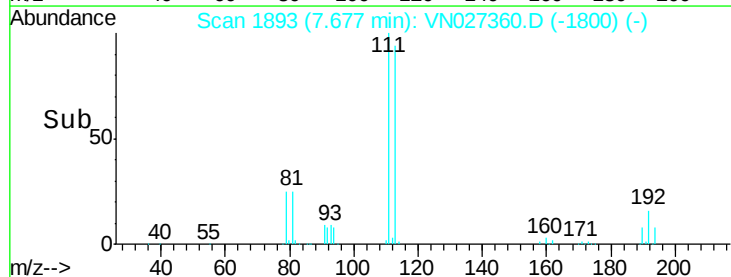
Tgt Ion:113 Resp: 473417
 Ion Ratio Lower Upper
 113 100
 111 106.7 83.0 124.4
 192 16.3 14.1 21.1

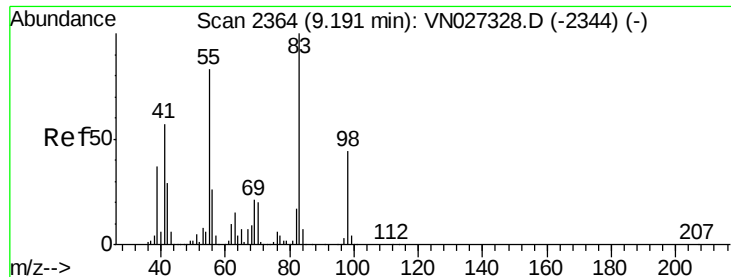


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->

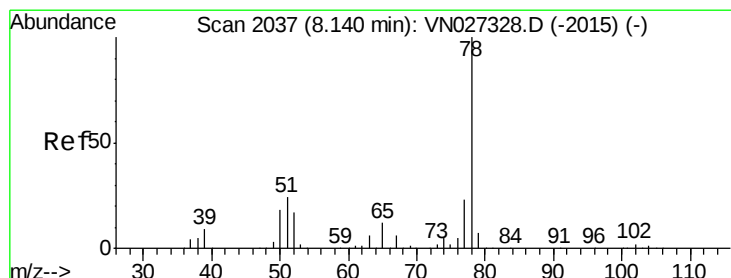
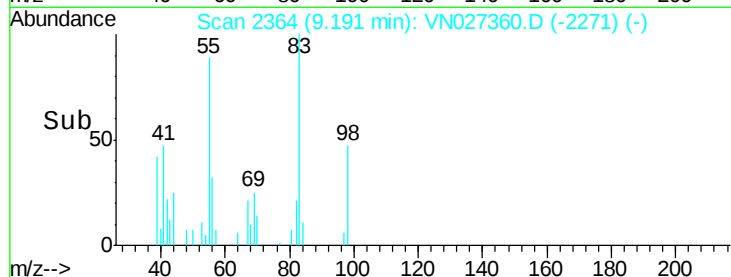
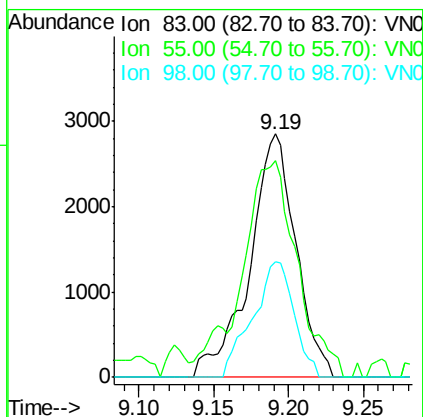
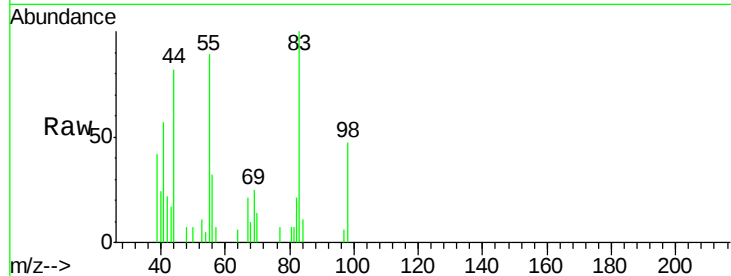




#40
Methvlcvclohexane
Concen: 0.36 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027360.D
Acq: 22 Sep 2015 5:43

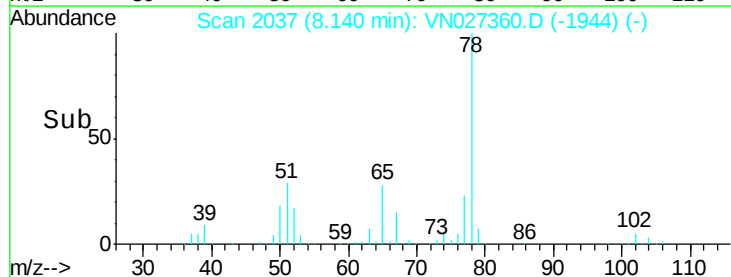
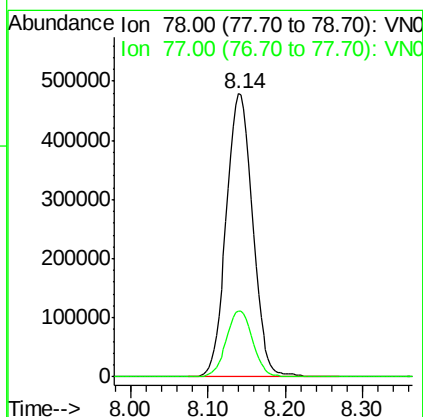
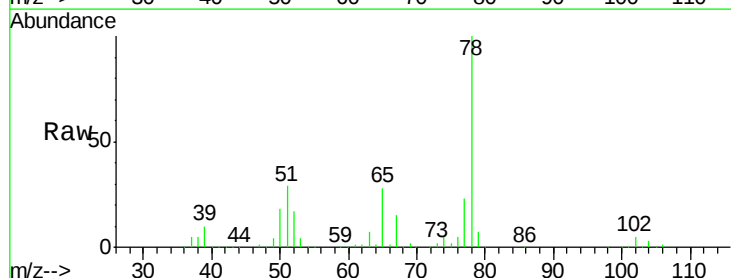
Instrument :
MSVOA_N
ClientSampleId :
MW-7BS

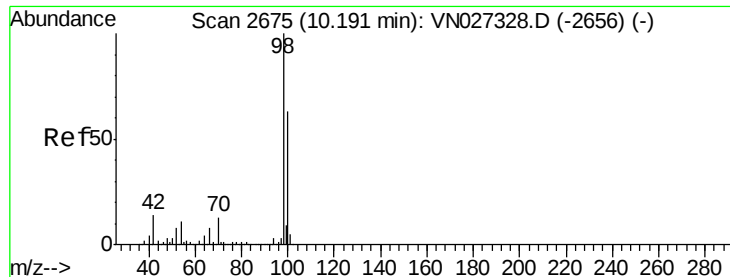
Tot Ion: 83 Resp: 6130
Ion Ratio Lower Upper
83 100
55 82.9 69.8 104.8
98 47.4 34.3 51.5



#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





#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

Instrument :

MSVOA_N

ClientSampleId :

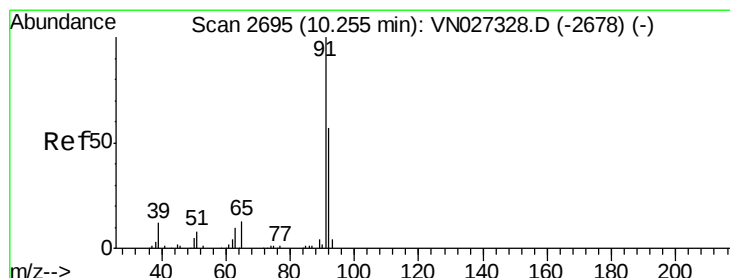
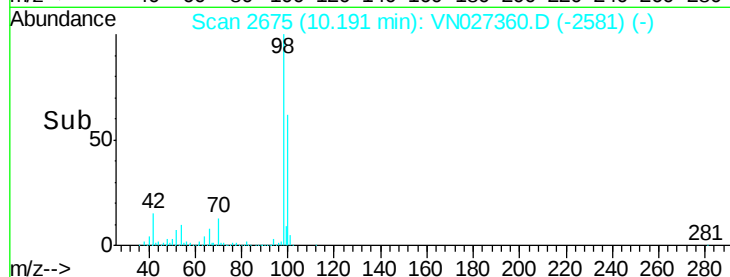
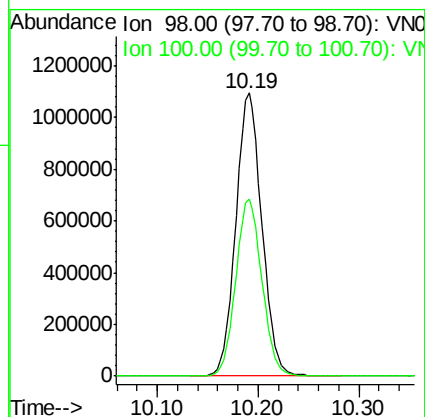
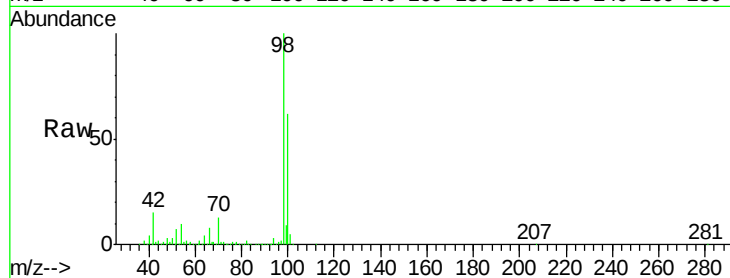
MW-7BS

Tot 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

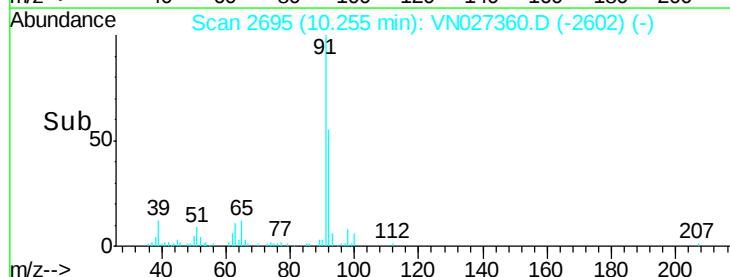
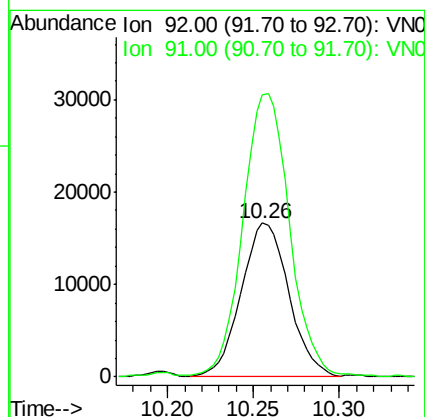
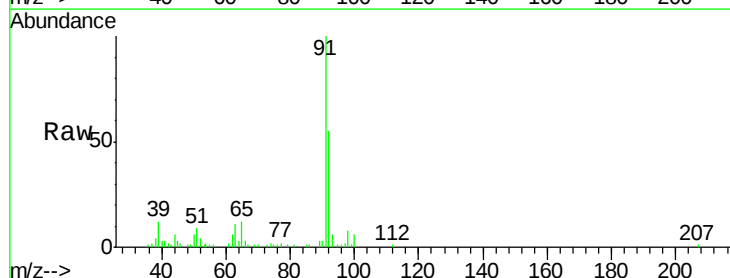
Acq: 22 Sep 2015 5:43

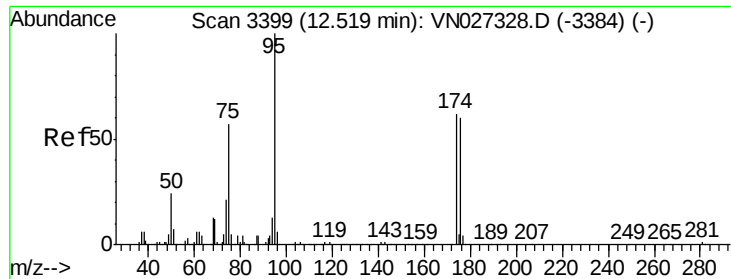
Tgt Ion: 92 Resp: 32095

Ion Ratio Lower Upper

92 100

91 180.5 141.4 212.2

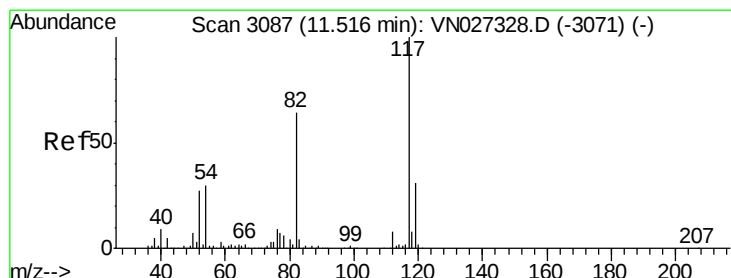
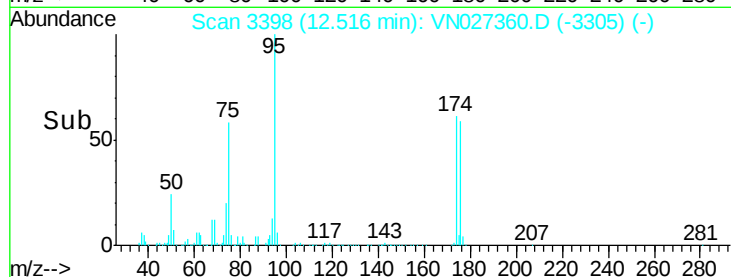
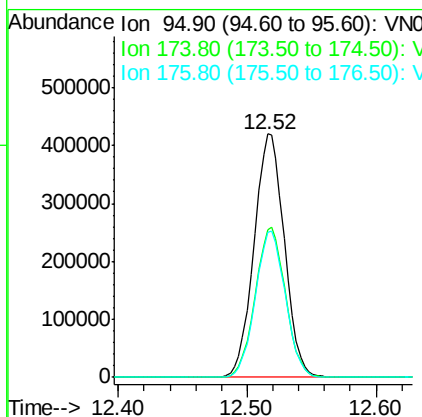
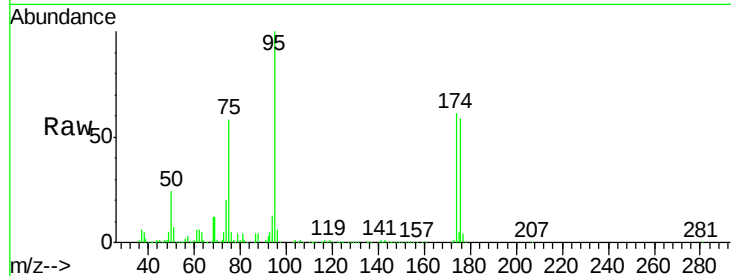




#63
4-Bromofluorobenzene
Concen: 56.62 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VN027360.D
Acq: 22 Sep 2015 5:43

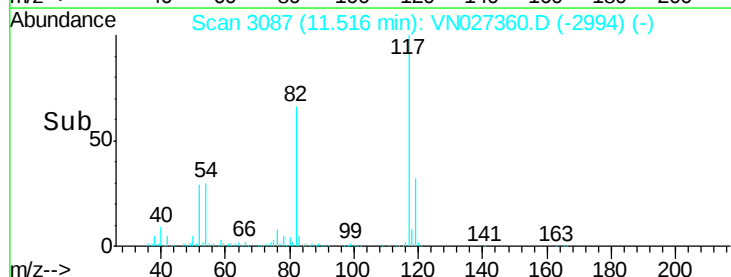
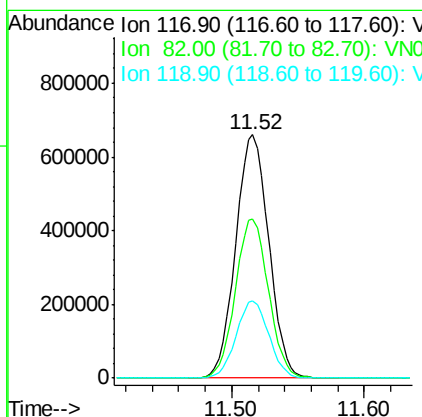
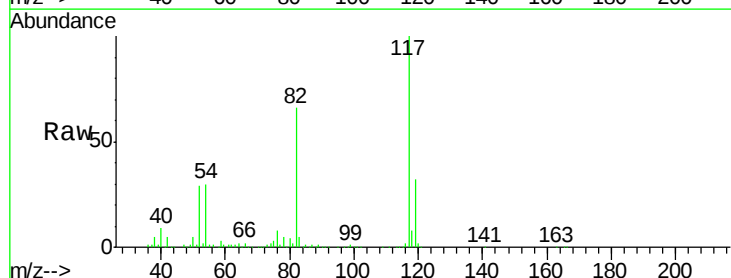
Instrument :
MSVOA_N
ClientSampled :
MW-7BS

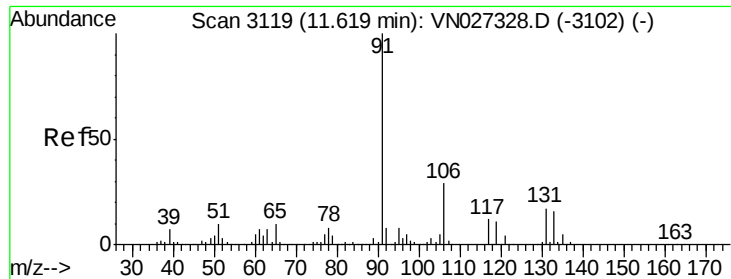
Tot Ion: 95 Resp: 688626
Ion Ratio Lower Upper
95 100
174 61.5 0.0 137.0
176 59.5 0.0 130.8



#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

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





#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

Instrument :

MSVOA_N

ClientSampled :

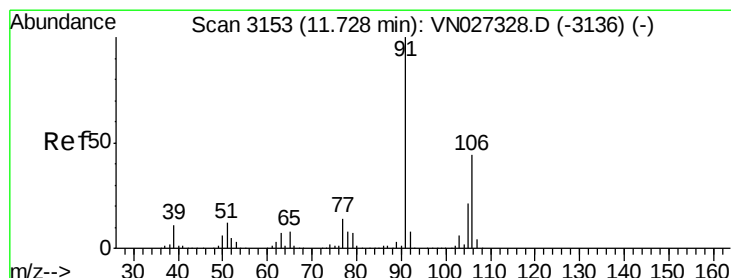
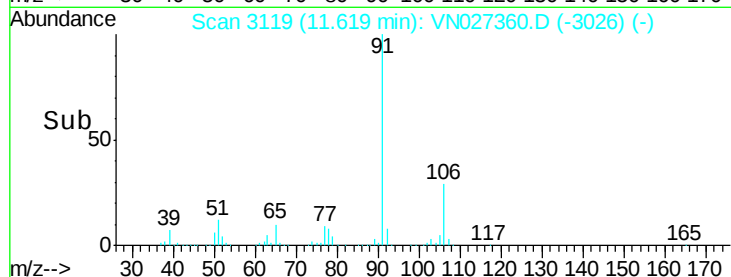
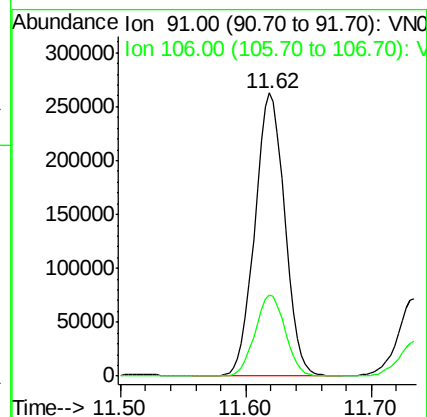
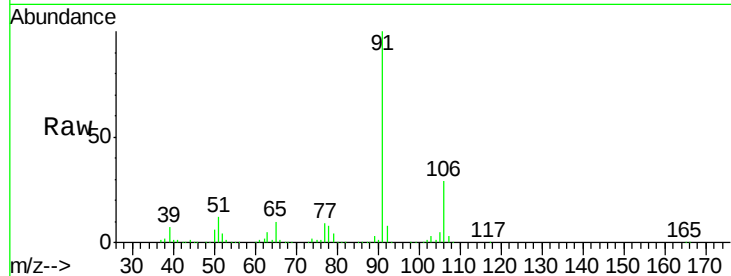
MW-7BS

Tot Ion: 91 Resp: 436309

Ion Ratio Lower Upper

91 100

106 28.8 23.1 34.7



#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

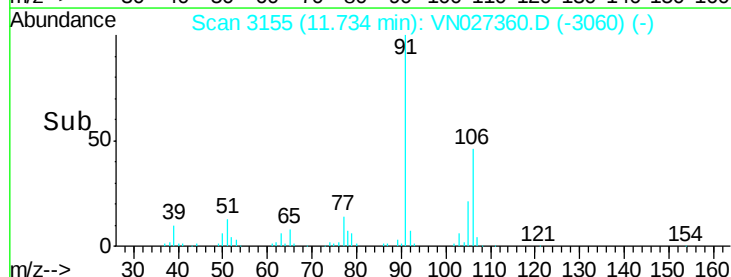
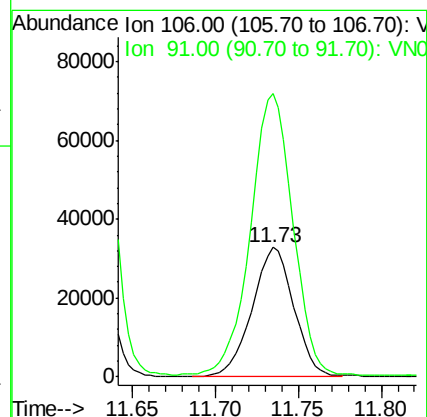
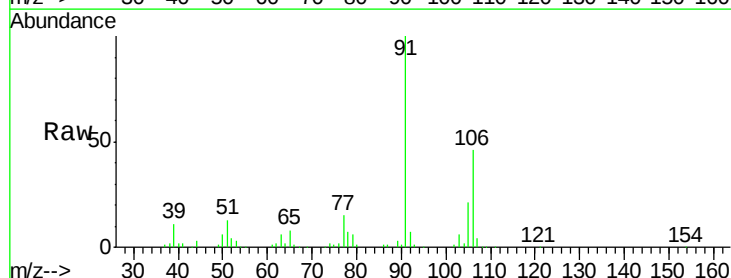
Acq: 22 Sep 2015 5:43

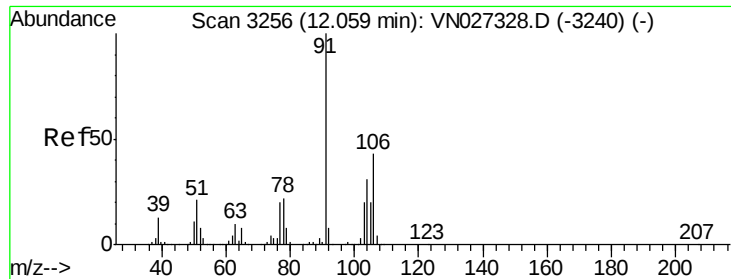
Tgt Ion: 106 Resp: 57543

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

Instrument :

MSVOA_N

ClientSampled :

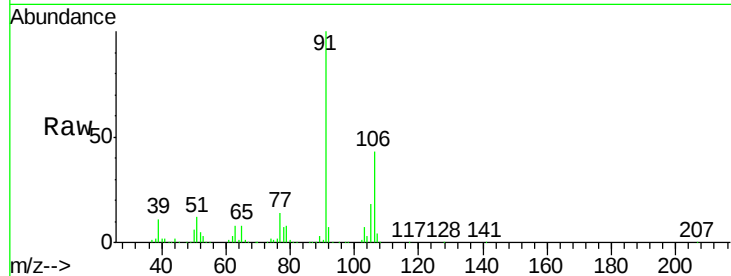
MW-7BS

Tot Ion:106 Resp: 81426

Ion Ratio Lower Upper

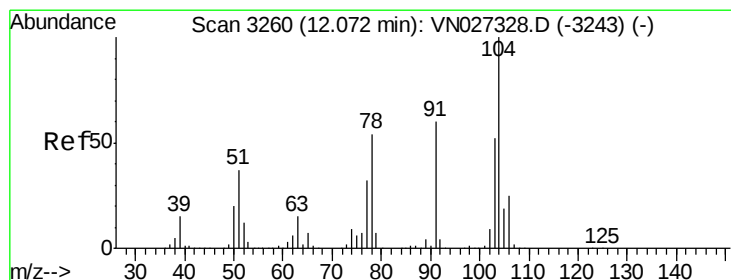
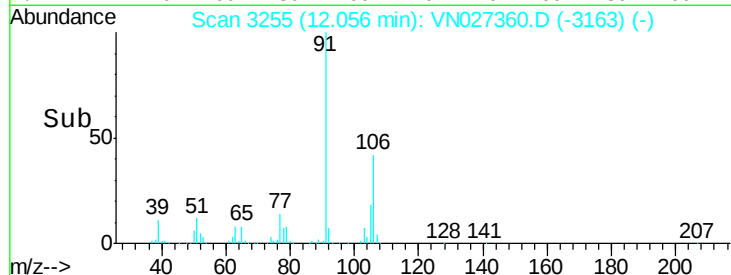
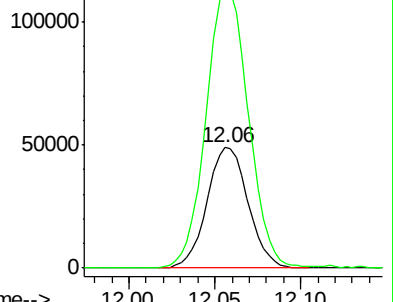
106 100

91 238.6 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#71

Styrene

Concen: 0.38 ug/l

RT: 12.06 min Scan# 3257

Delta R.T. -0.01 min

Lab File: VN027360.D

Acq: 22 Sep 2015 5:43

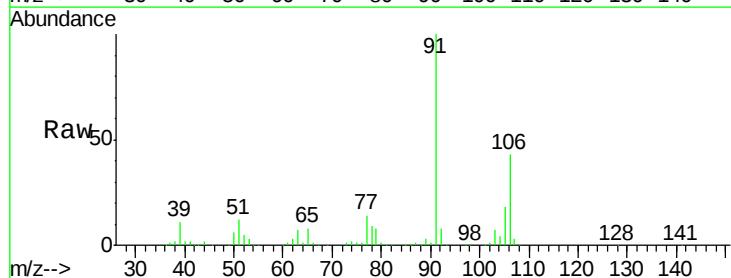
Tgt Ion:104 Resp: 9791

Ion Ratio Lower Upper

104 100

78 173.0 41.6 62.4#

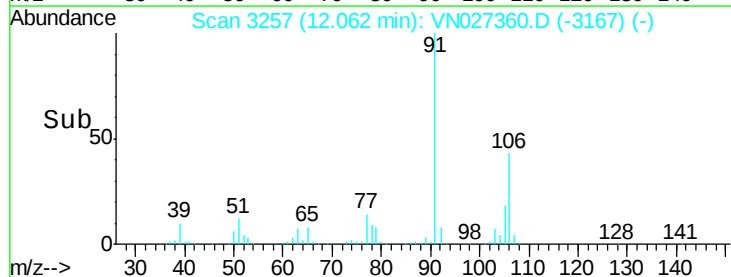
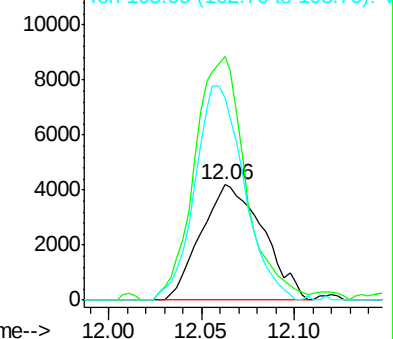
103 146.3 44.2 66.2#

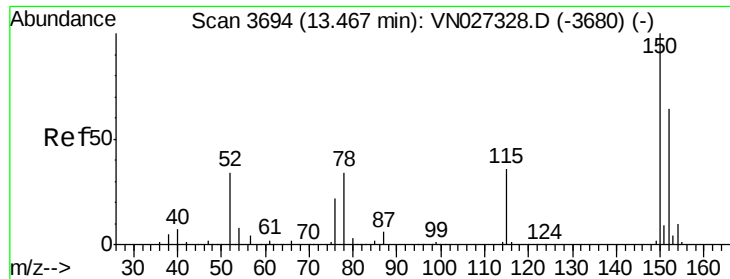


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): 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

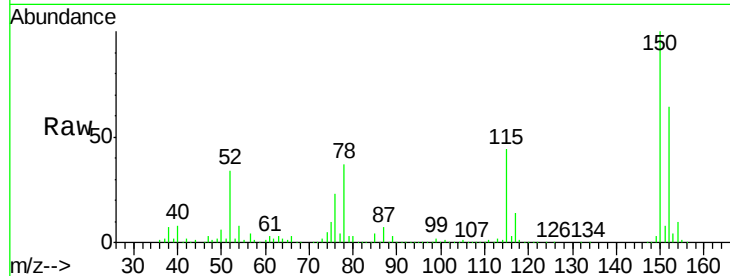
Tot Ion:152 Resp: 436748

Ion Ratio Lower Upper

152 100

115 69.2 30.8 92.3

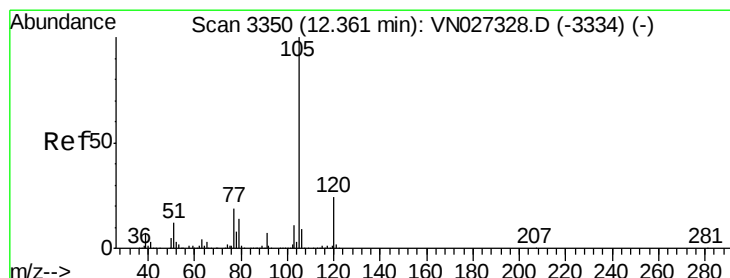
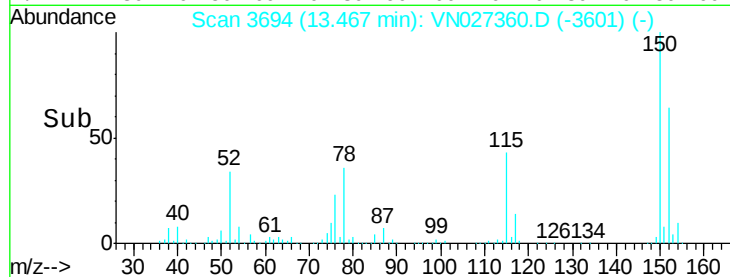
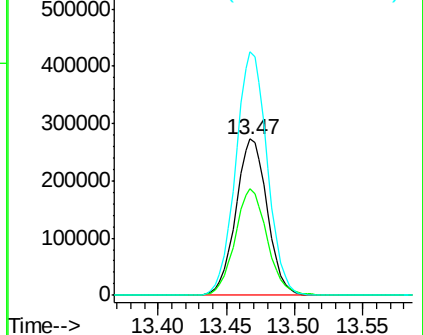
150 156.3 0.0 345.0



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

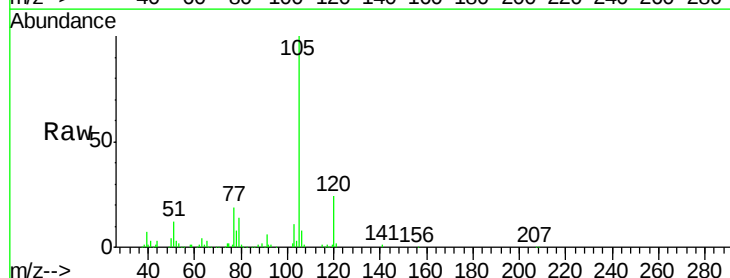
Acq: 22 Sep 2015 5:43

Tgt Ion:105 Resp: 133397

Ion Ratio Lower Upper

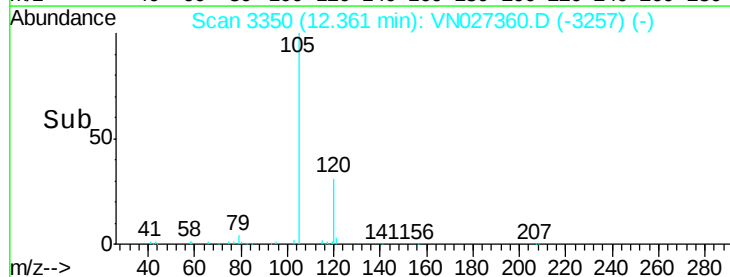
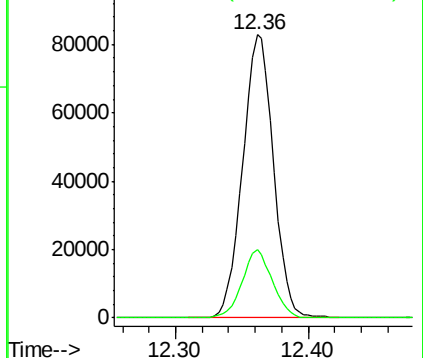
105 100

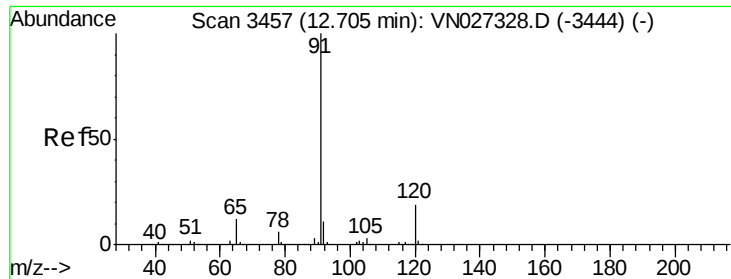
120 23.6 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#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

Instrument :

MSVOA_N

ClientSampleId :

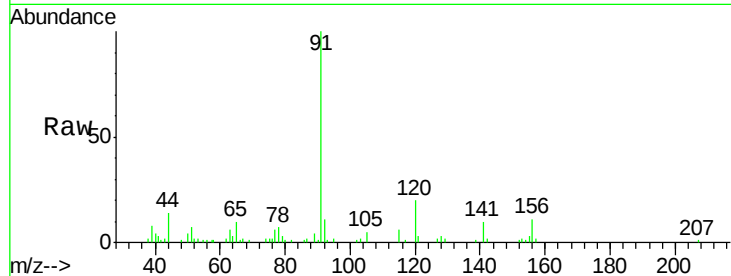
MW-7BS

Tot 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): VN027360.D (-3457) (-)

Ion 120.00 (119.70 to 120.70): VN027360.D (-3457) (-)

12.71

15000

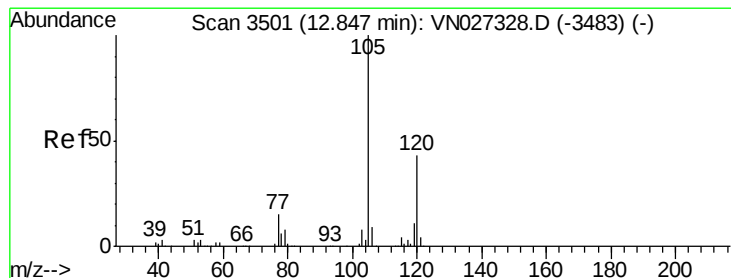
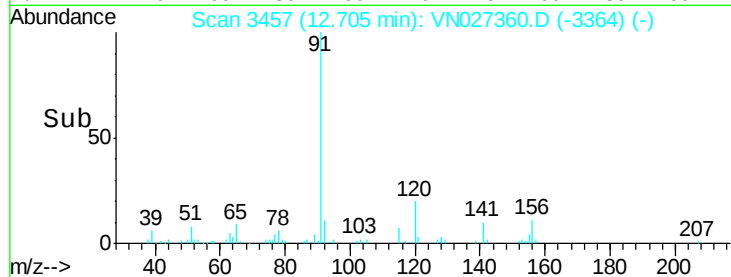
10000

5000

0

12.65 12.70 12.75

Time-->



#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

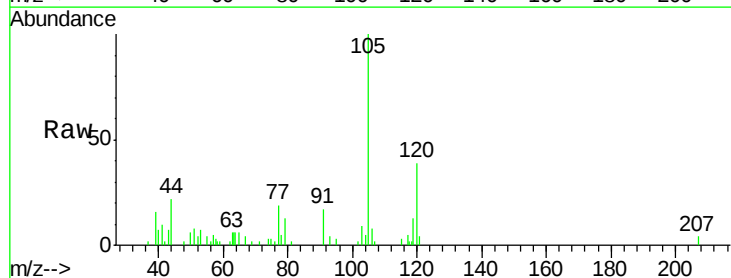
Acq: 22 Sep 2015 5:43

Tgt Ion: 105 Resp: 12171

Ion Ratio Lower Upper

105 100

120 44.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN027360.D (-3501) (-)

Ion 120.00 (119.70 to 120.70): VN027360.D (-3501) (-)

12.85

60000

50000

40000

30000

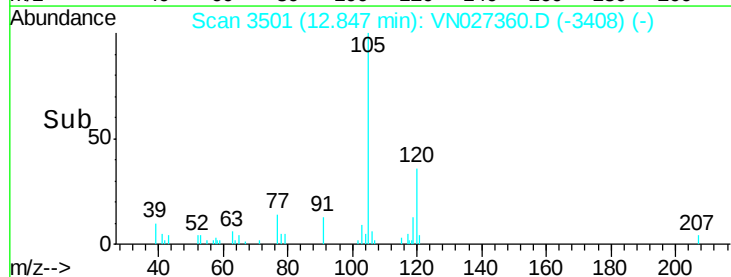
20000

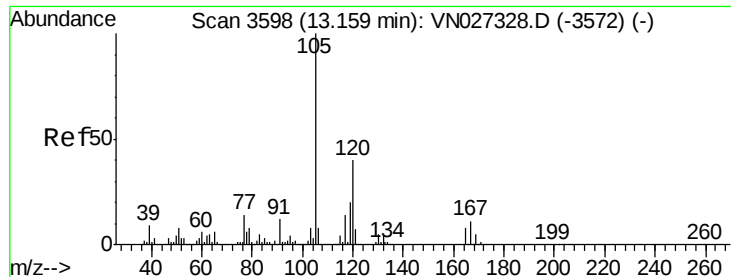
10000

0

12.85 12.90

Time-->





#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 :

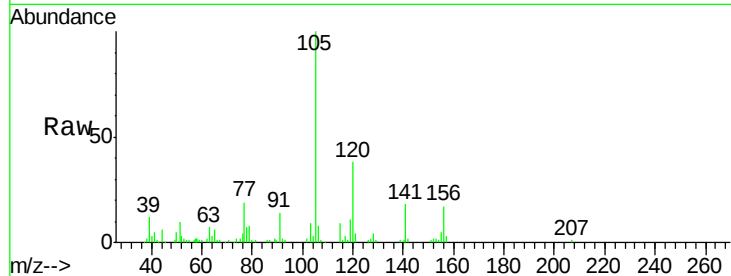
MW-7BS

Tot Ion:105 Resp: 64311

Ion Ratio Lower Upper

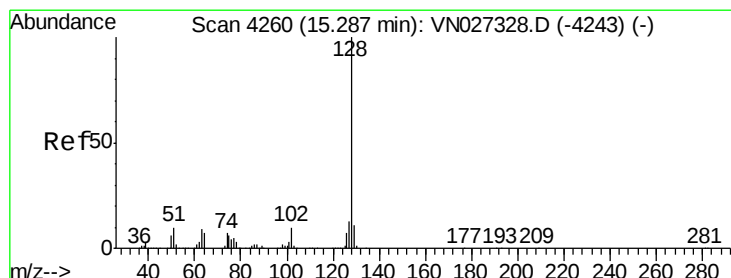
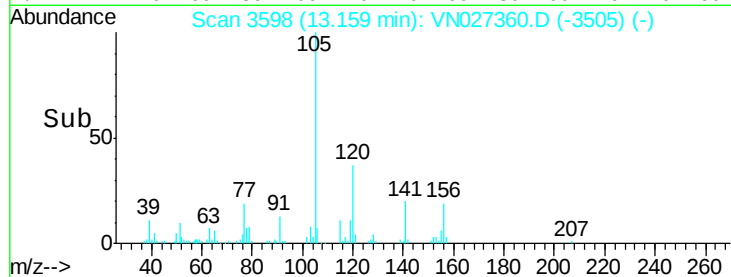
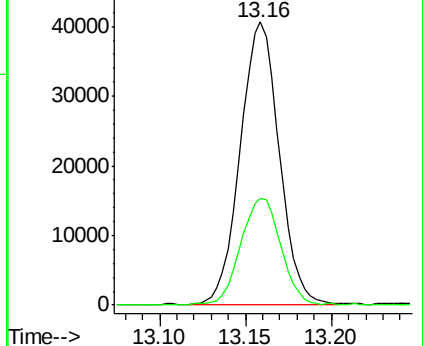
105 100

120 38.7 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#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

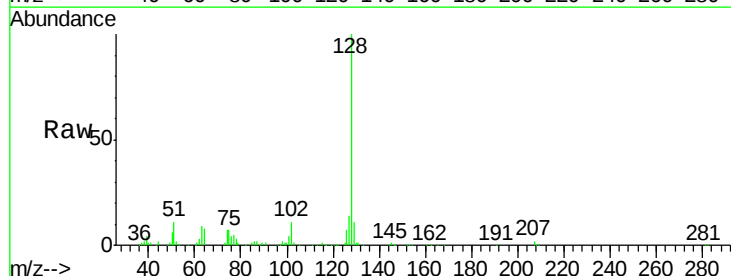
Tgt Ion:128 Resp: 216682

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 11.7 8.6 12.8



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

