

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027273.D
 Acq On : 18 Sep 2015 00:24
 Operator : MD\FY
 Sample : G3683-03DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R-11DL

Quant Time: Sep 18 11:58:58 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	745360	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1303315	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1112997	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	406996	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	726581	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
36) Dibromofluoromethane	7.68	113	464894	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
51) Toluene-d8	10.19	98	1933479	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	
63) 4-Bromofluorobenzene	12.52	95	647305	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	

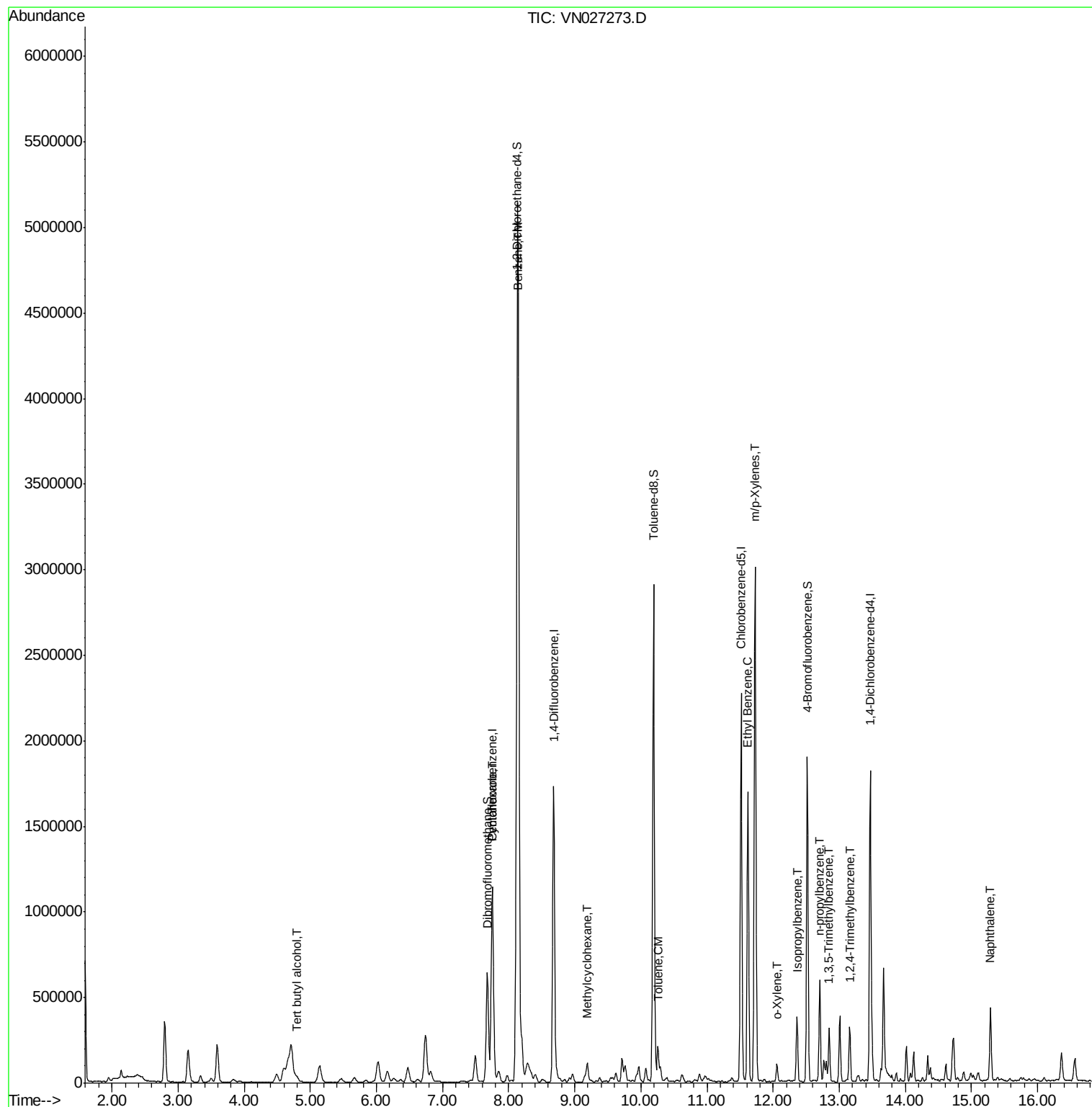
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) Tert butyl alcohol	4.80	59	39153	26.22	ug/l #	93
32) Cyclohexane	7.76	56	108020	4.30	ug/l #	77
40) Methylcyclohexane	9.19	83	45933	2.47	ug/l	97
41) Benzene	8.14	78	4901508	110.11	ug/l	100
53) Toluene	10.26	92	84240	3.23	ug/l	96
68) Ethyl Benzene	11.62	91	1190242	23.89	ug/l	100
69) m/p-Xylenes	11.72	106	894730	52.05	ug/l	91
70) o-Xylene	12.06	106	26915	1.56	ug/l	99
74) Isopropylbenzene	12.36	105	238244	5.31	ug/l	97
79) n-propylbenzene	12.71	91	459669	8.71	ug/l	98
81) 1,3,5-Trimethylbenzene	12.85	105	165211	4.59	ug/l	96
85) 1,2,4-Trimethylbenzene	13.16	105	170835	4.72	ug/l	94
96) Naphthalene	15.29	128	335748	14.25	ug/l	100

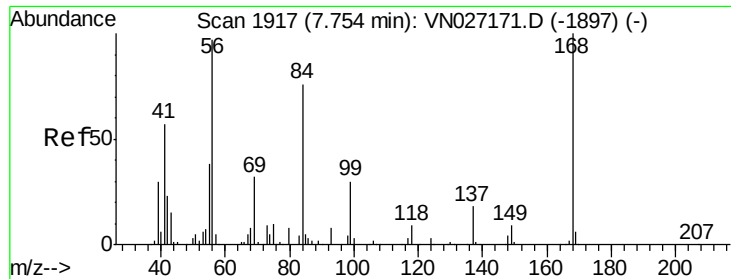
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 15 21:12:09 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: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampleId :

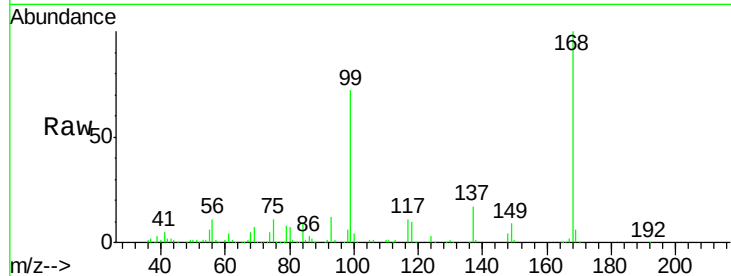
MW-1R-11DL

Tot Ion:168 Resp: 745360

Ion Ratio Lower Upper

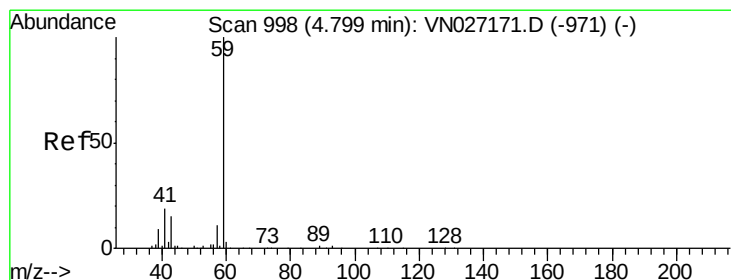
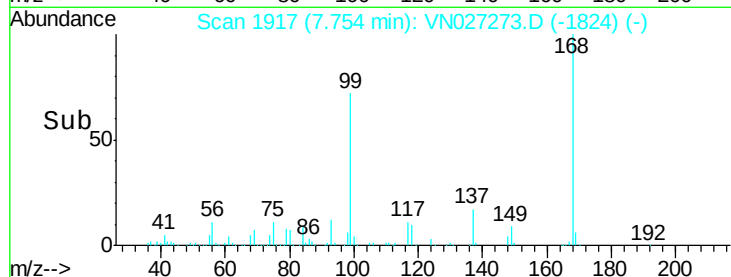
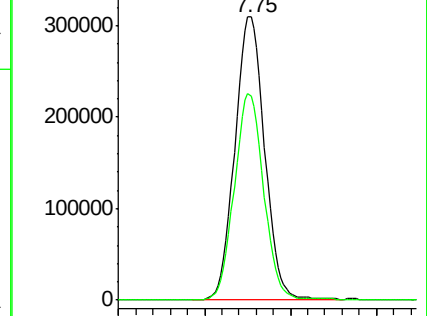
168 100

99 71.9 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#12

Tert butyl alcohol

Concen: 26.22 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN027273.D

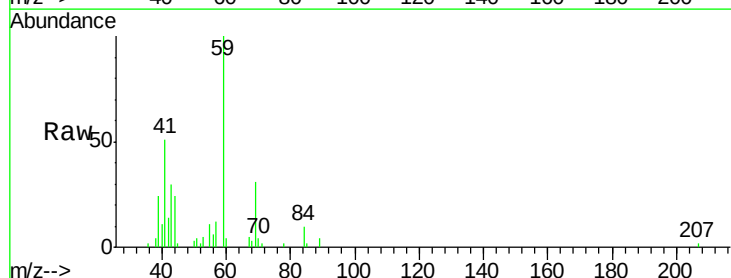
Acq: 18 Sep 2015 00:24

Tgt Ion: 59 Resp: 39153

Ion Ratio Lower Upper

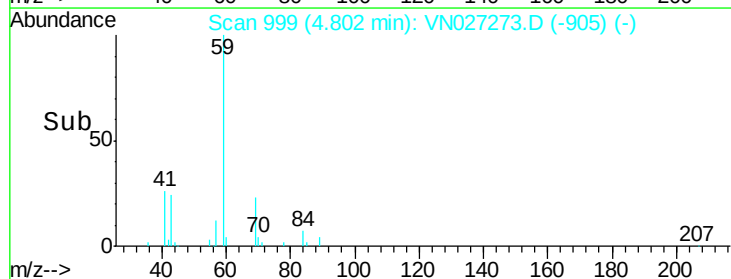
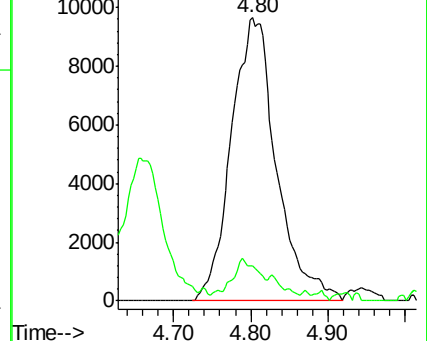
59 100

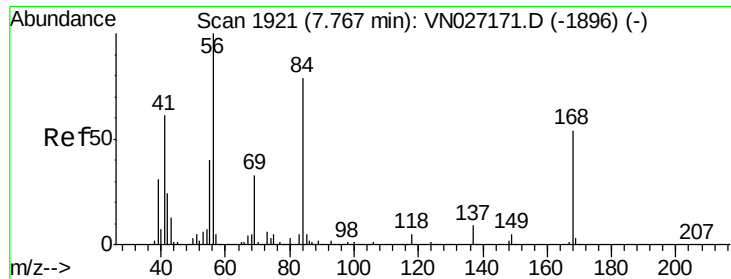
57 6.9 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

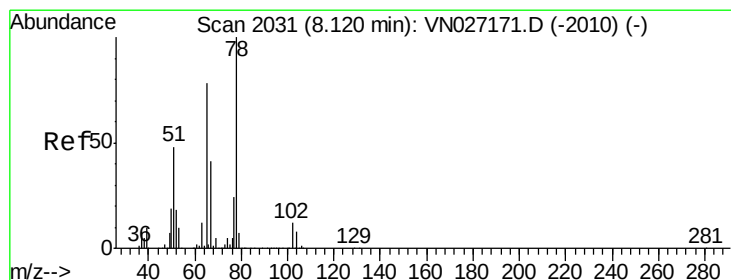
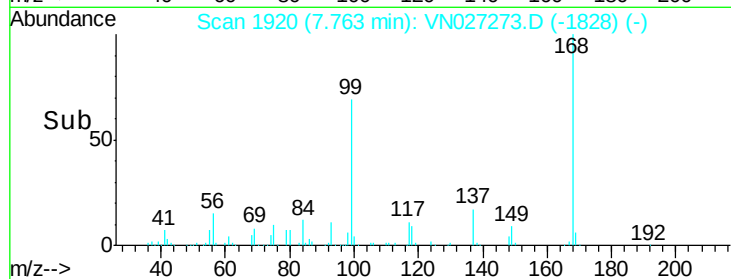
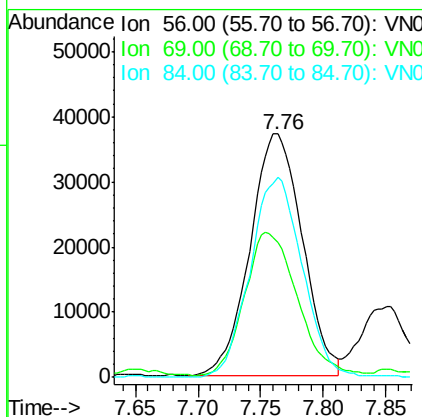
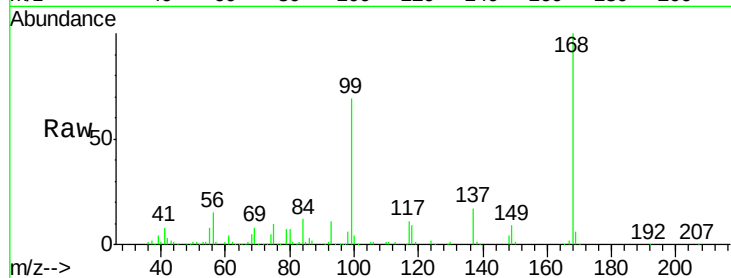




#32
Cyclohexane
Concen: 4.30 ug/l
RT: 7.76 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

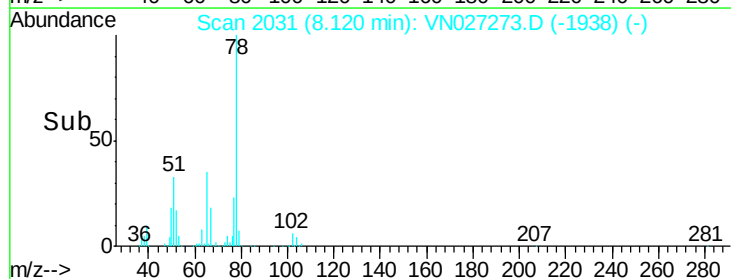
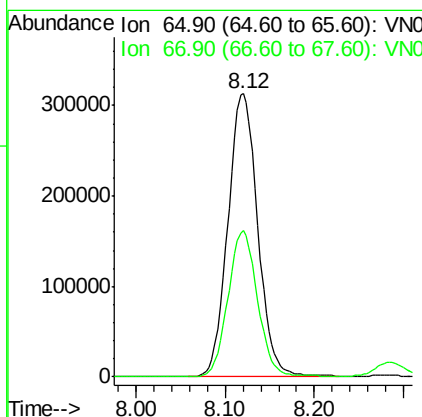
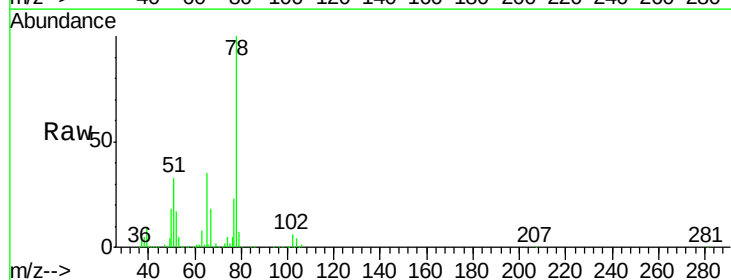
Instrument :
MSVOA_N
ClientSampleId :
MW-1R-11DL

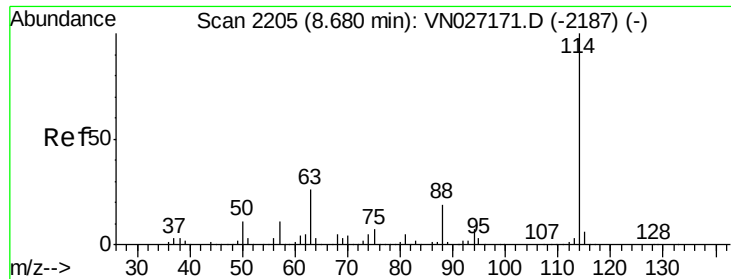
Tot Ion: 56 Resp: 108020
Ion Ratio Lower Upper
56 100
69 54.9 23.0 34.4#
84 82.6 57.8 86.8



#34
1,2-Dichloroethane-d4
Concen: 47.58 ug/l
RT: 8.12 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

Tgt Ion: 65 Resp: 726581
Ion Ratio Lower Upper
65 100
67 51.0 0.0 110.6

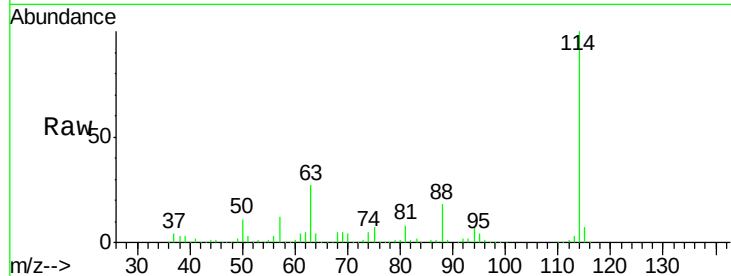




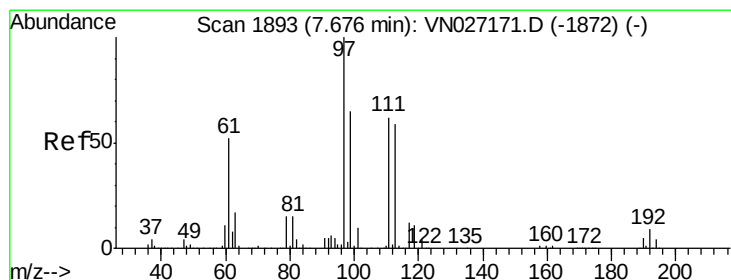
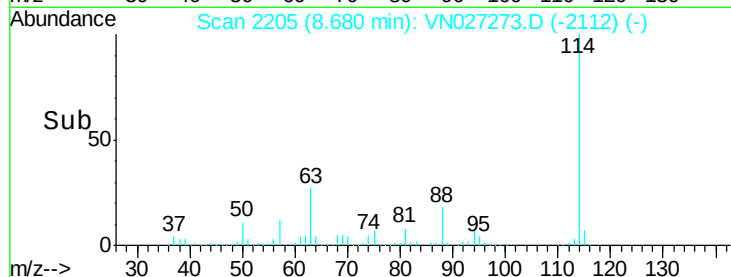
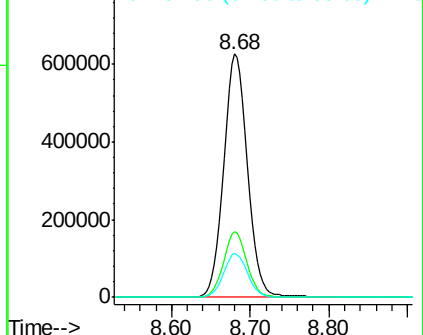
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027273.D
 Acq: 18 Sep 2015 00:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R-11DL

Tot Ion:114 Resp: 1303315
 Ion Ratio Lower Upper
 114 100
 63 26.8 0.0 48.8
 88 17.9 0.0 32.2

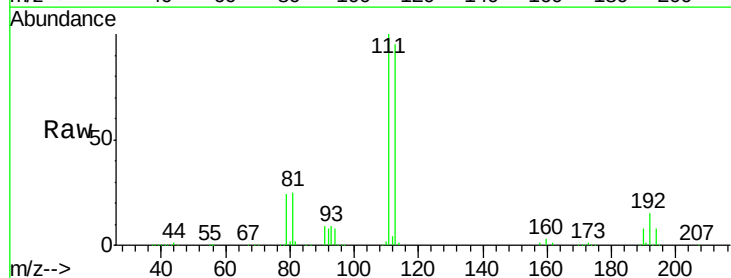


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

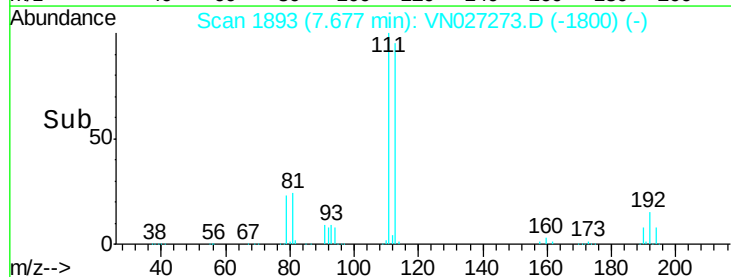
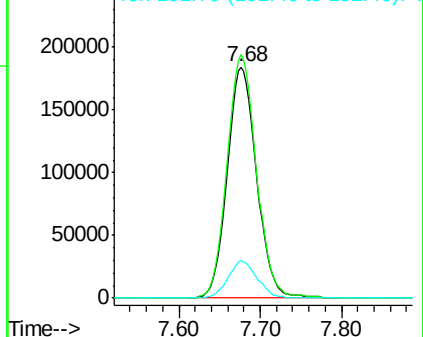


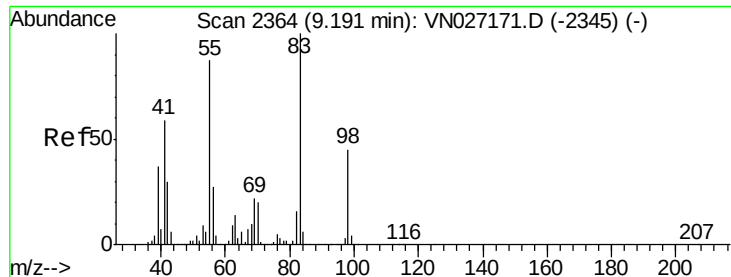
#36
 Dibromofluoromethane
 Concen: 51.46 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027273.D
 Acq: 18 Sep 2015 00:24

Tgt Ion:113 Resp: 464894
 Ion Ratio Lower Upper
 113 100
 111 105.7 83.0 124.4
 192 15.9 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

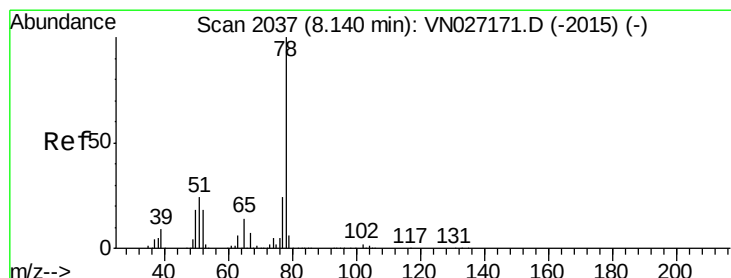
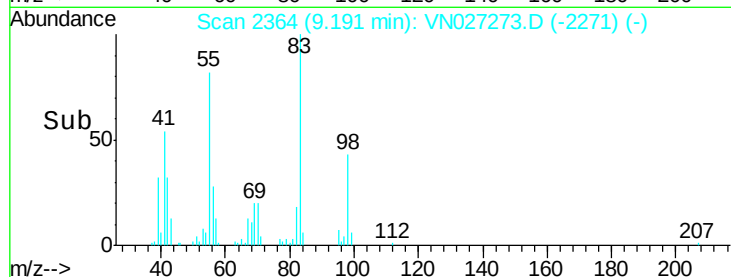
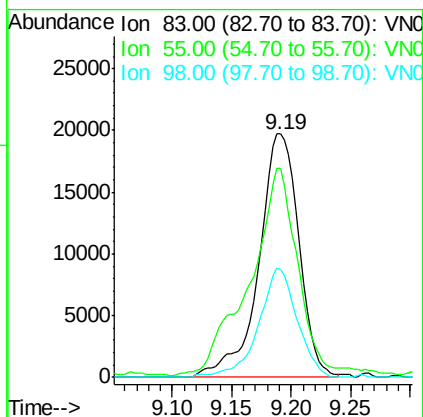
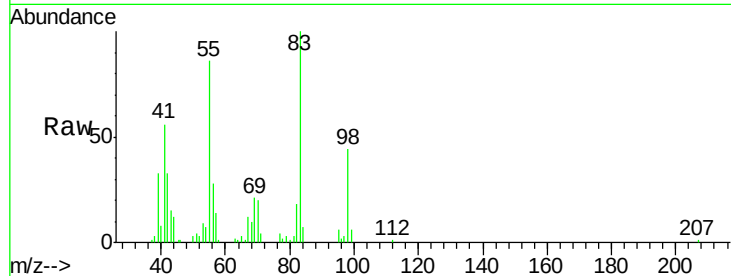




#40
Methylvlcyclohexane
Concen: 2.47 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

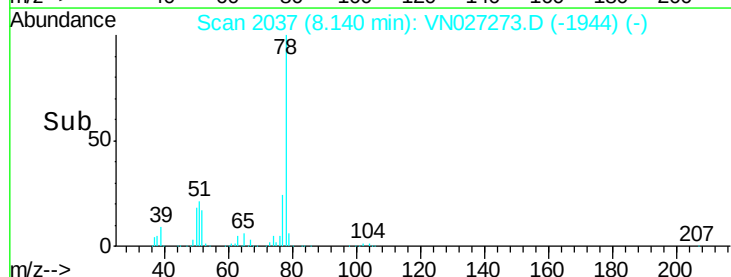
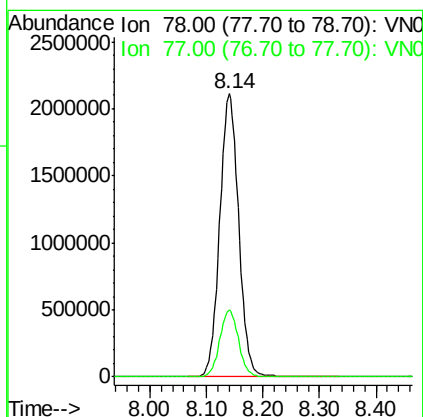
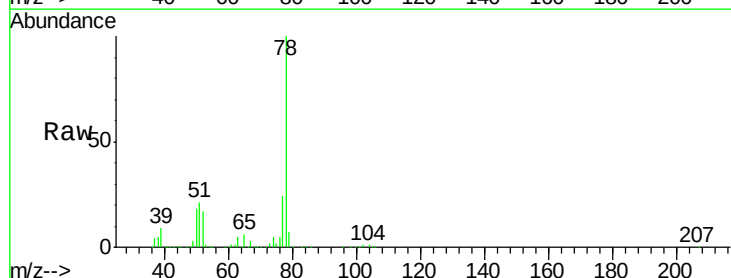
Instrument :
MSVOA_N
ClientSampled :
MW-1R-11DL

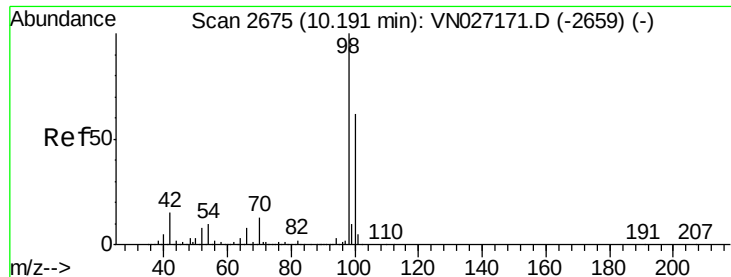
Tot Ion: 83 Resp: 45933
Ion Ratio Lower Upper
83 100
55 83.5 69.8 104.8
98 44.4 34.3 51.5



#41
Benzene
Concen: 110.11 ug/l
RT: 8.14 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

Tgt Ion: 78 Resp: 4901508
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4





#51

Toluene-d8

Concen: 54.66 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampleId :

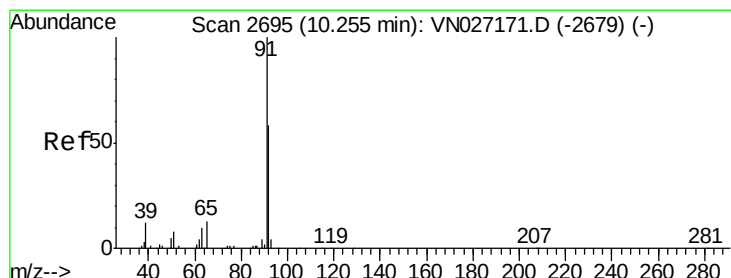
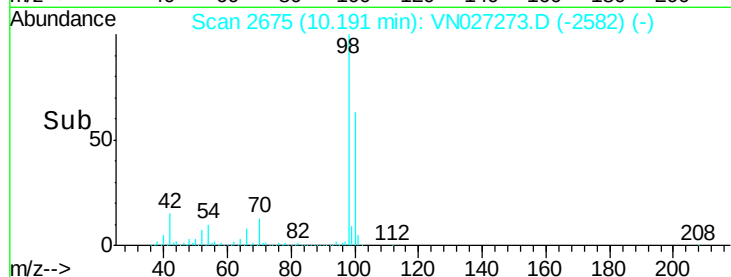
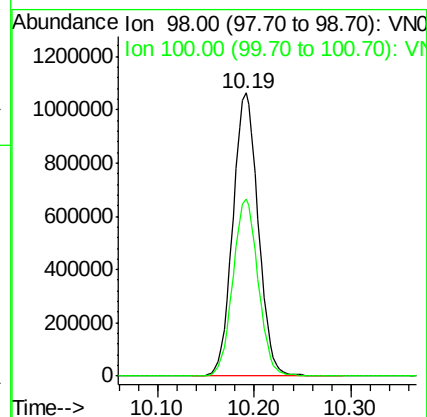
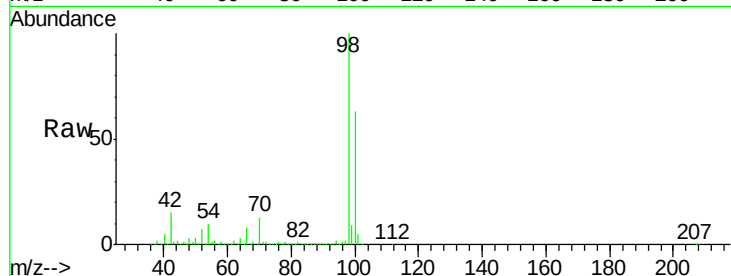
MW-1R-11DL

Tot Ion: 98 Resp: 1933479

Ion Ratio Lower Upper

98 100

100 62.4 50.5 75.7



#53

Toluene

Concen: 3.23 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027273.D

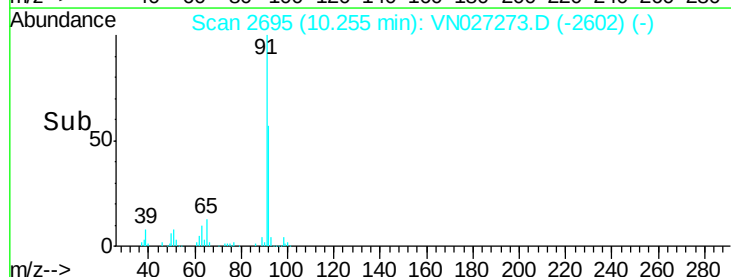
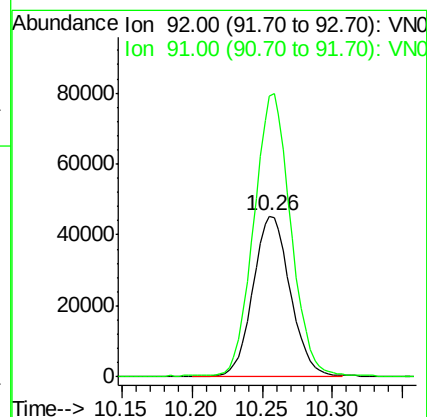
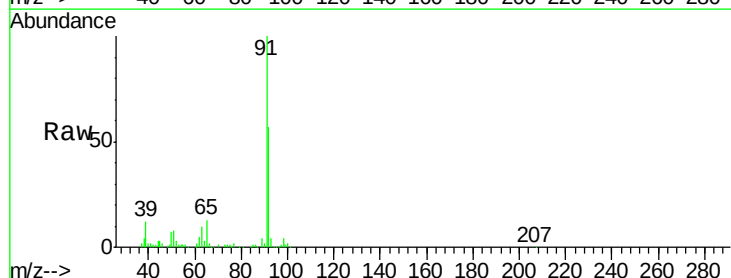
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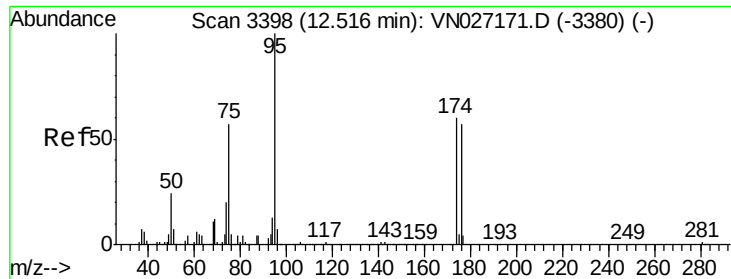
Tgt Ion: 92 Resp: 84240

Ion Ratio Lower Upper

92 100

91 171.2 141.4 212.2

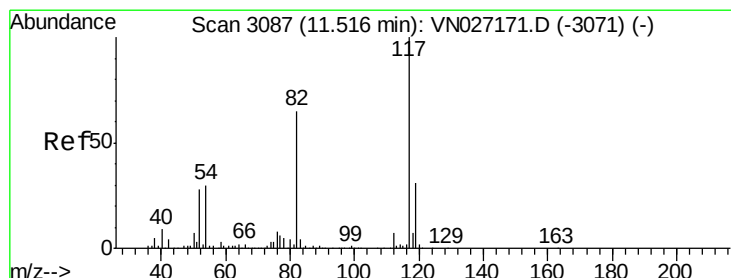
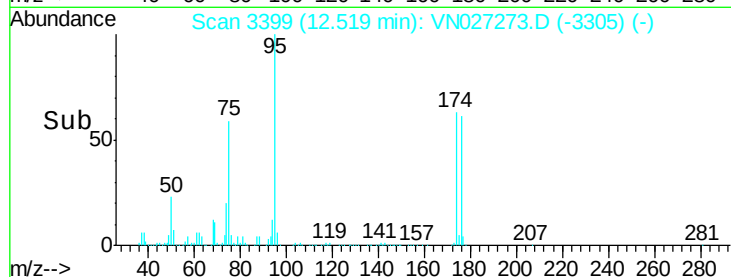
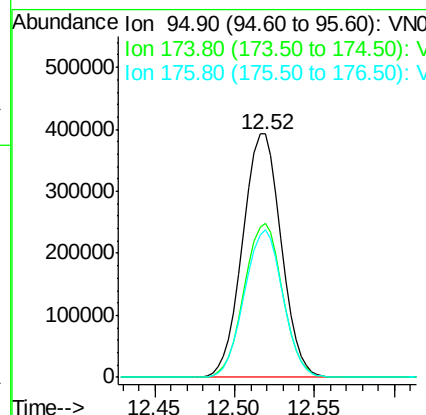
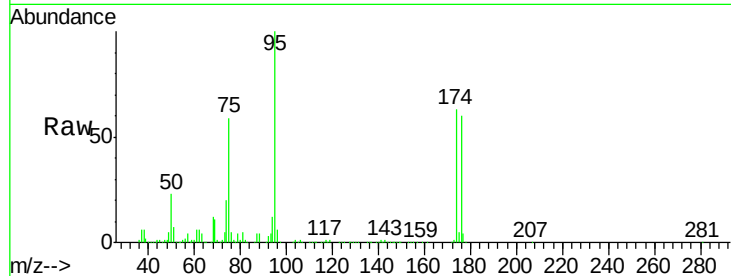




#63
4-Bromofluorobenzene
Concen: 51.56 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

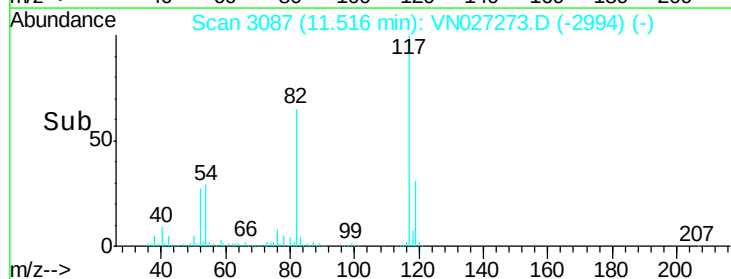
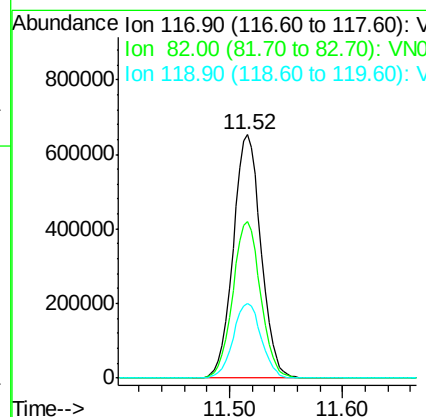
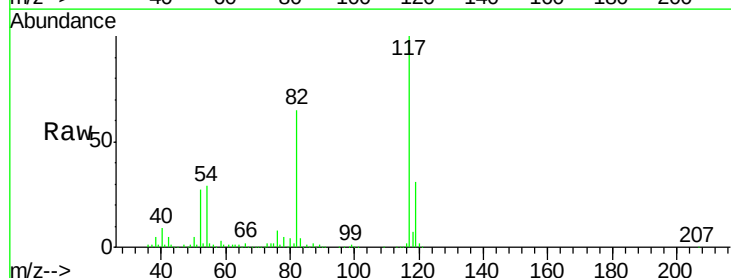
Instrument :
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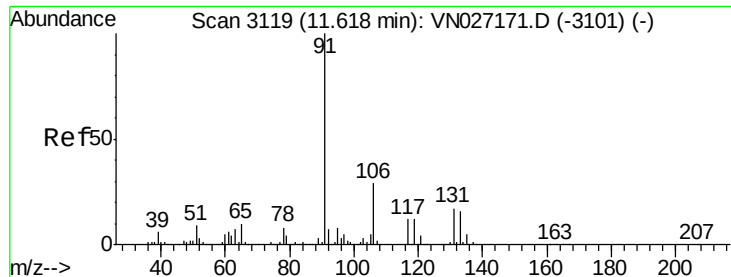
Tot Ion: 95 Resp: 647305
Ion Ratio Lower Upper
95 100
174 63.0 0.0 137.0
176 60.2 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027273.D
Acq: 18 Sep 2015 00:24

Tgt Ion: 117 Resp: 1112997
Ion Ratio Lower Upper
117 100
82 64.5 49.6 74.4
119 30.9 24.6 36.8





#68

Ethyl Benzene

Concen: 23.89 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampled :

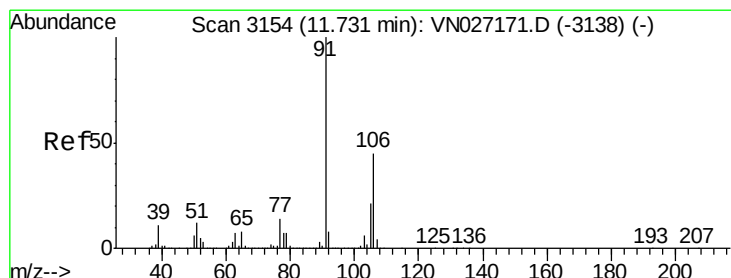
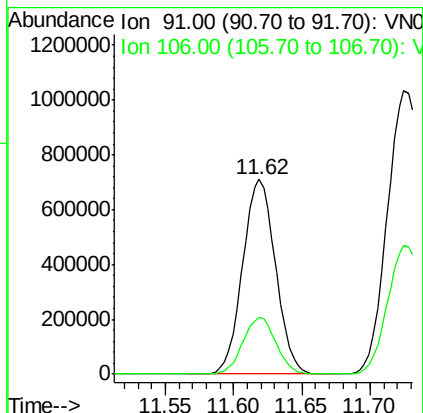
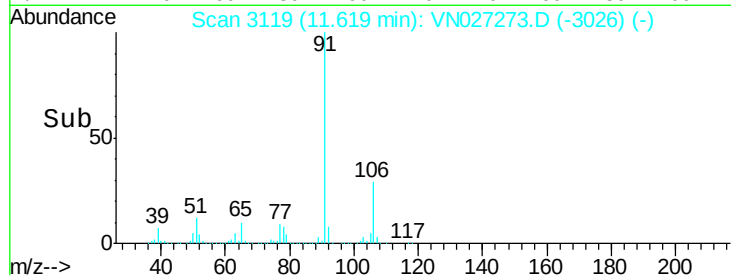
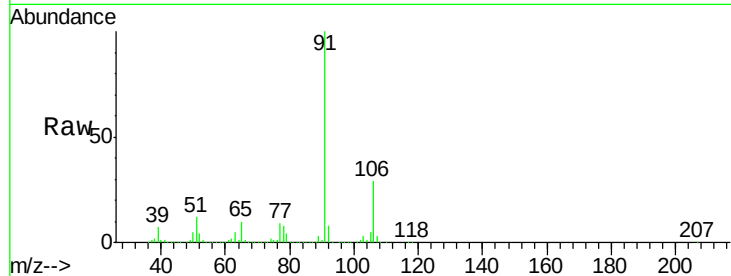
MW-1R-11DL

Tot Ion: 91 Resp: 1190242

Ion Ratio Lower Upper

91 100

106 29.0 23.1 34.7



#69

m/p-Xylenes

Concen: 52.05 ug/l

RT: 11.72 min Scan# 3152

Delta R.T. -0.01 min

Lab File: VN027273.D

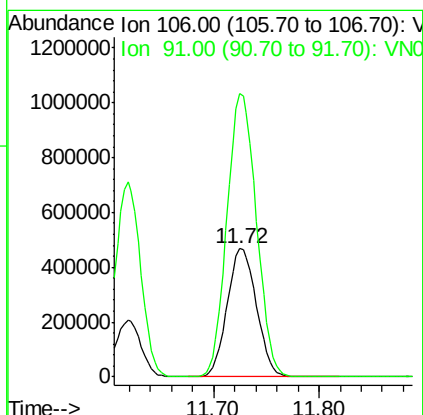
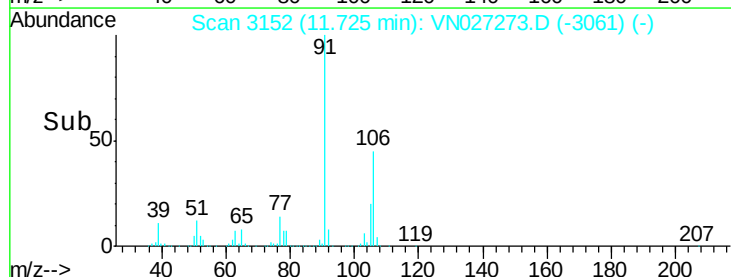
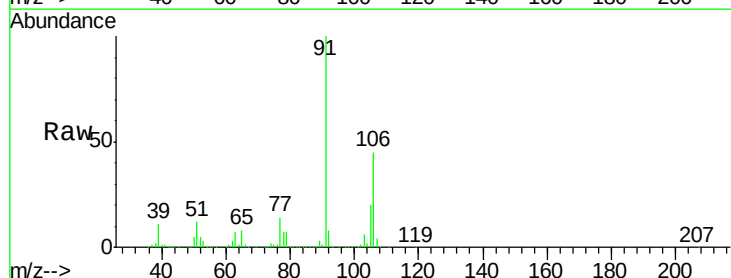
Acq: 18 Sep 2015 00:24

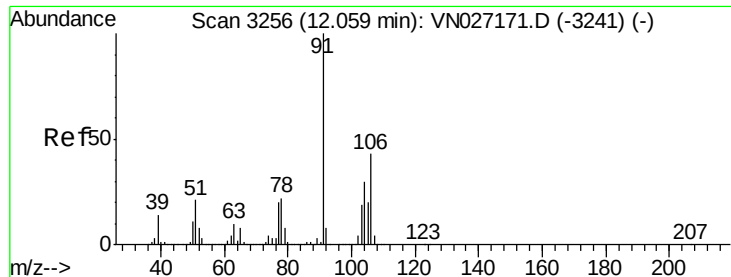
Tgt Ion: 106 Resp: 894730

Ion Ratio Lower Upper

106 100

91 222.5 167.1 250.7





#70

o-Xylene

Concen: 1.56 ug/l

RT: 12.06 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampled :

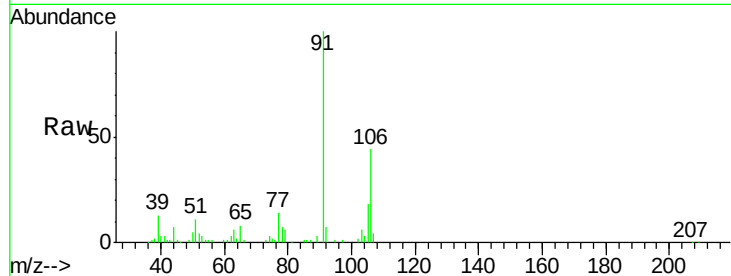
MW-1R-11DL

Tot Ion:106 Resp: 26915

Ion Ratio Lower Upper

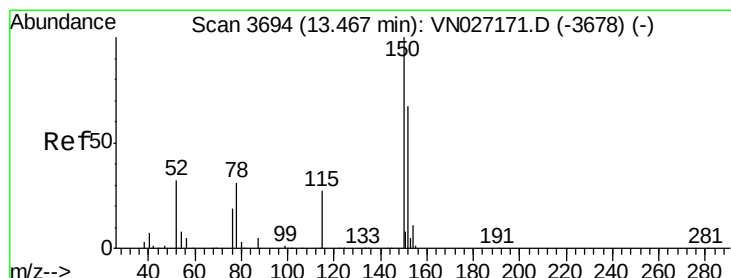
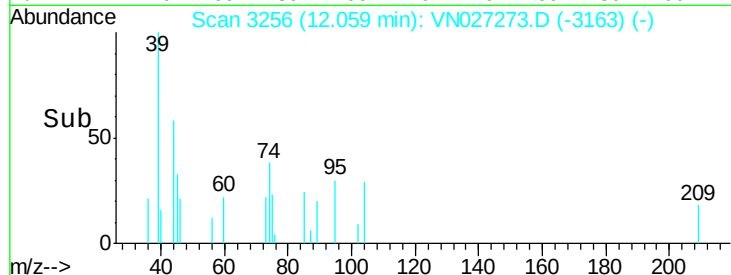
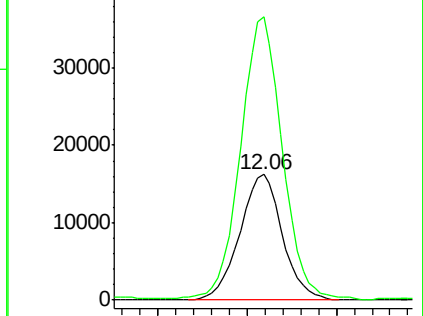
106 100

91 223.0 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

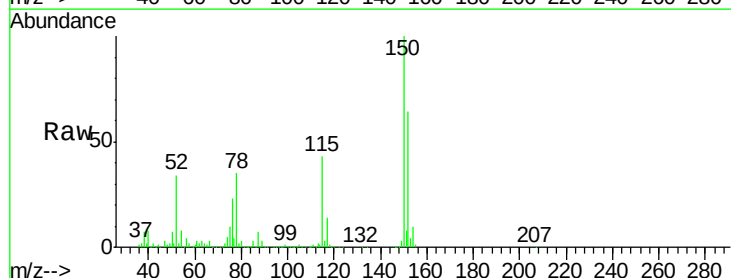
Tgt Ion:152 Resp: 406996

Ion Ratio Lower Upper

152 100

115 69.6 30.8 92.3

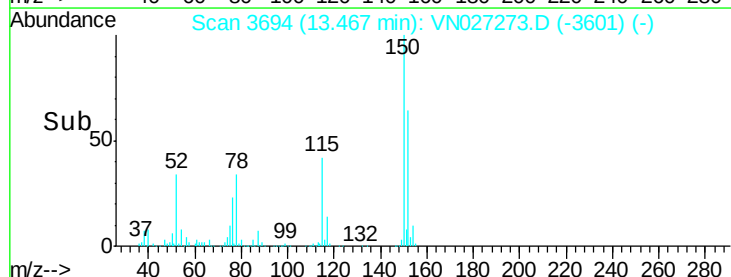
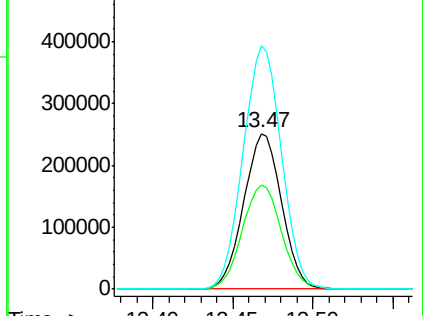
150 158.9 0.0 345.0

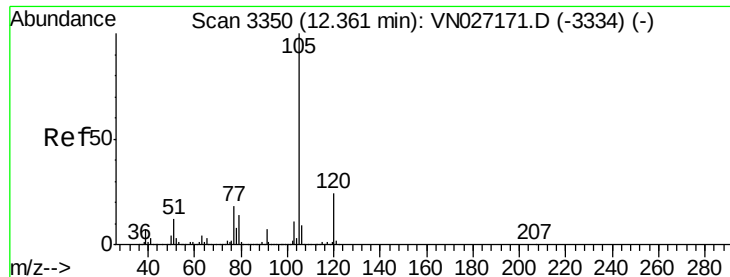


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

Isopropylbenzene

Concen: 5.31 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampled :

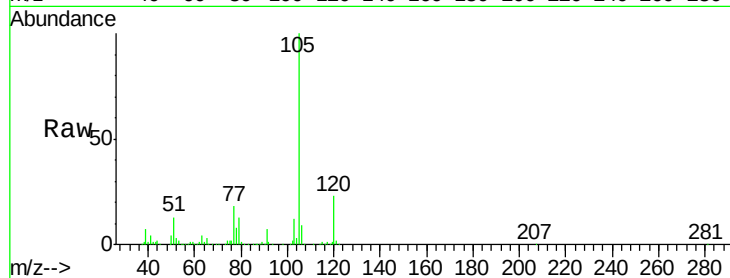
MW-1R-11DL

Tot Ion:105 Resp: 238244

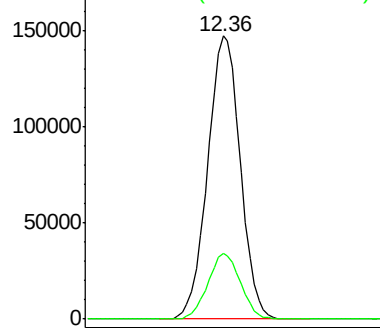
Ion Ratio Lower Upper

105 100

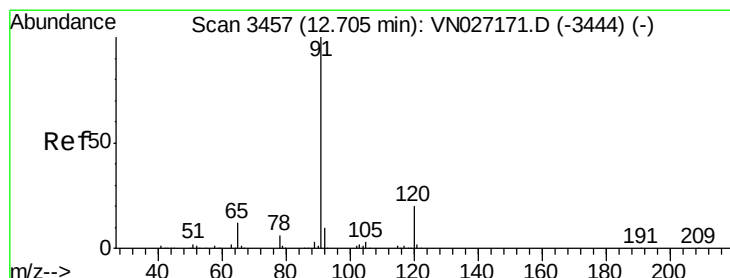
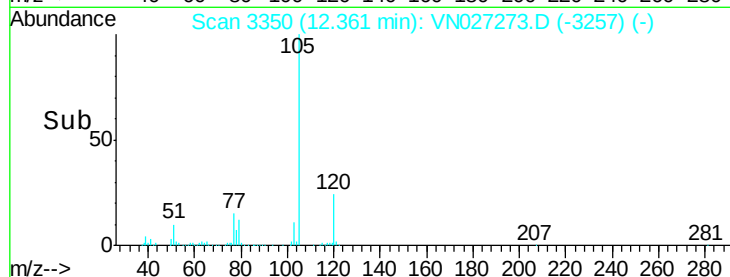
120 23.2 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V



Time-->



#79

n-propylbenzene

Concen: 8.71 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027273.D

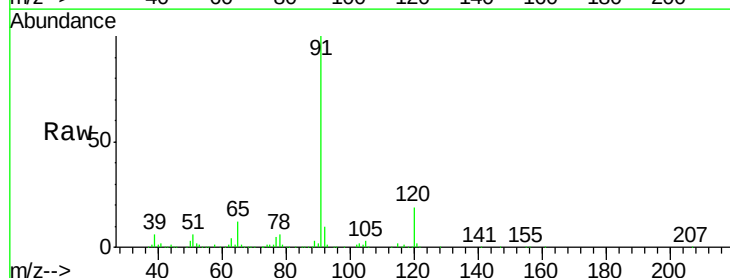
Acq: 18 Sep 2015 00:24

Tgt Ion: 91 Resp: 459669

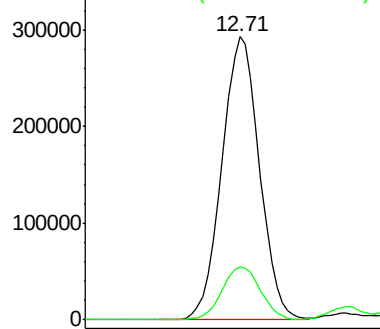
Ion Ratio Lower Upper

91 100

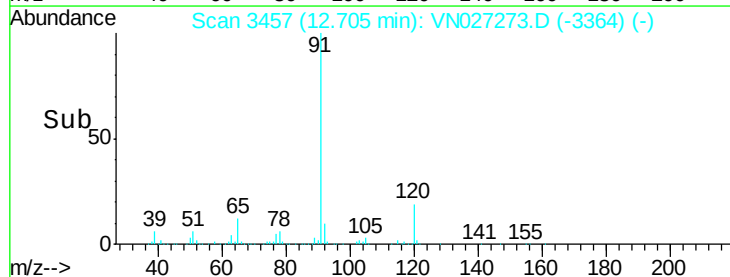
120 19.4 10.3 30.8

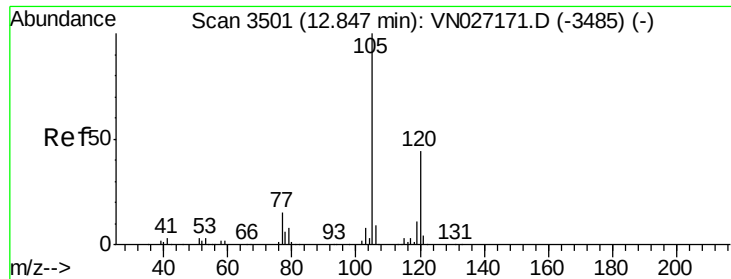


Abundance Ion 91.00 (90.70 to 91.70): V



Time-->

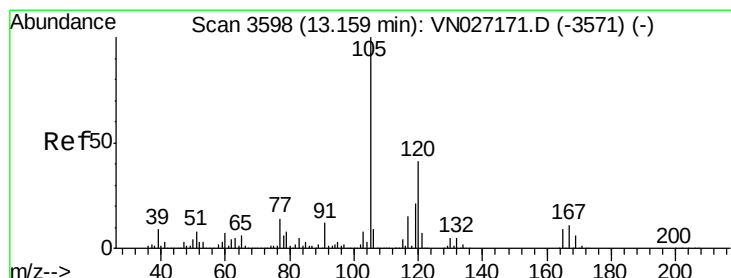
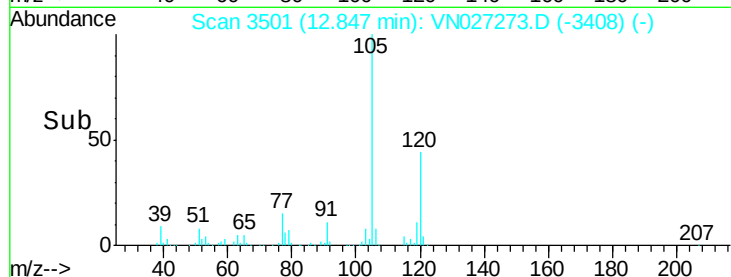
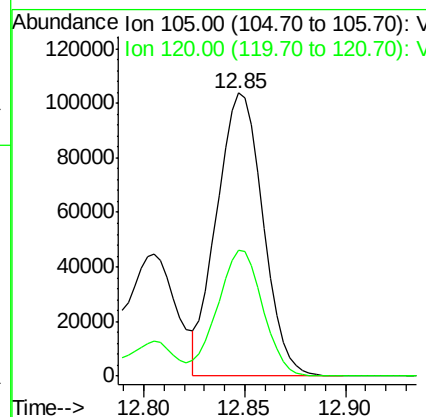
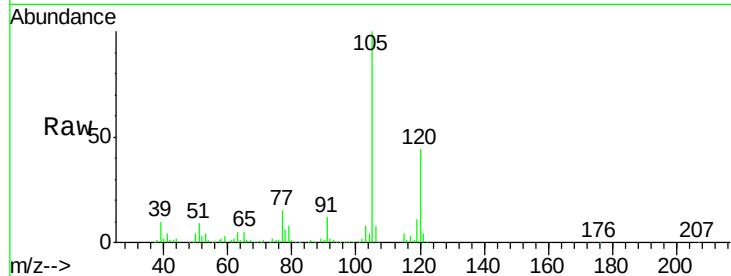




#81
 1,3,5-Trimethylbenzene
 Concen: 4.59 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027273.D
 Acq: 18 Sep 2015 00:24

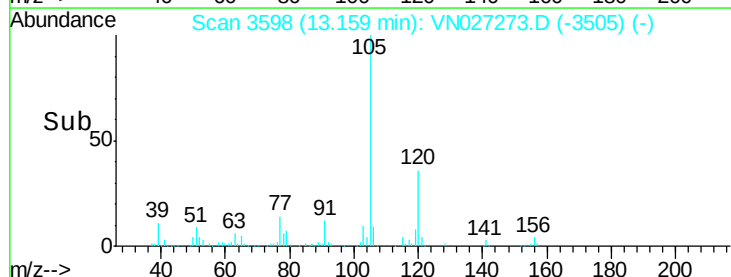
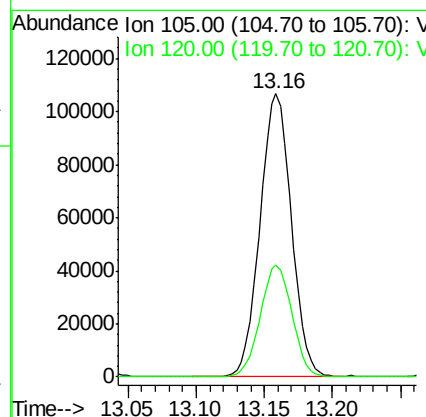
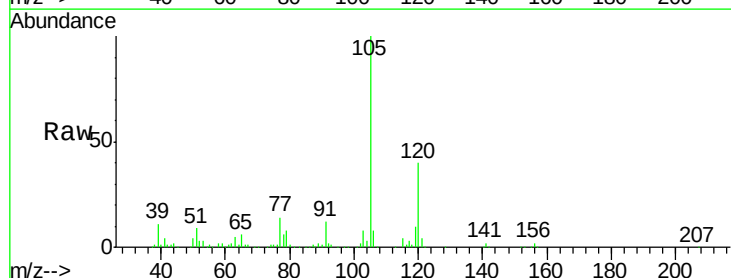
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1R-11DL

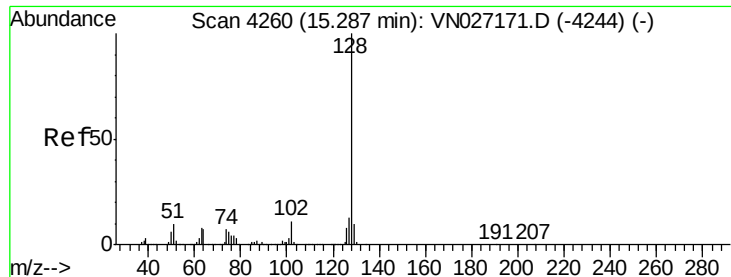
Tot Ion:105 Resp: 165211
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.4 70.0



#85
 1,2,4-Trimethylbenzene
 Concen: 4.72 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027273.D
 Acq: 18 Sep 2015 00:24

Tgt Ion:105 Resp: 170835
 Ion Ratio Lower Upper
 105 100
 120 39.9 21.9 65.5





#96

Naphthalene

Concen: 14.25 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN027273.D

Acq: 18 Sep 2015 00:24

Instrument :

MSVOA_N

ClientSampleId :

MW-1R-11DL

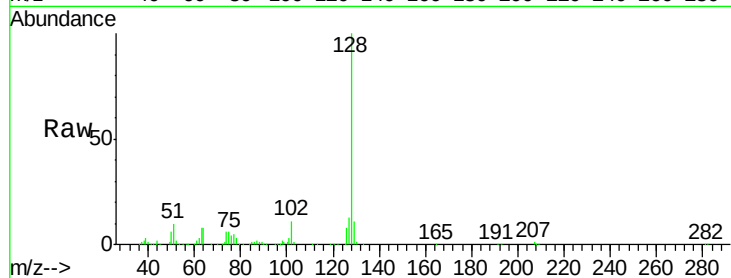
Tot Ion:128 Resp: 335748

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

