

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027361.D
 Acq On : 22 Sep 2015 6:11
 Operator : MD\FY
 Sample : G3754-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BD

Manual Integrations
 APPROVED

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 9/22/2015 2:29:21 PM

Quant Time: Sep 22 08:19:26 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	708417	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1271758	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1095292	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	446065	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	716070	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
36) Dibromofluoromethane	7.68	113	449157	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
51) Toluene-d8	10.19	98	1906312	59.42	ug/l	0.00
Spiked Amount			Recovery	=	118.84%	
63) 4-Bromofluorobenzene	12.52	95	678530	58.22	ug/l	0.00
Spiked Amount			Recovery	=	116.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Acetone	3.84	43	50761	13.45	ug/l	# 88
18) Carbon Disulfide	4.11	76	23800	0.98	ug/l	96
32) Cyclohexane	7.77	56	274965	14.35	ug/l	# 86
40) Methylcyclohexane	9.19	83	522985	32.12	ug/l	99
41) Benzene	8.14	78	15133289	380.44	ug/l	100
53) Toluene	10.25	92	17456804	741.89	ug/l	# 1
68) Ethyl Benzene	11.61	91	20750460m	468.44	ug/l	
69) m/p-Xylenes	11.72	106	16411884	1068.71	ug/l	# 1
70) o-Xylene	12.06	106	5364253	345.69	ug/l	90
71) Styrene	12.07	104	3725901	150.82	ug/l	# 78
74) Isopropylbenzene	12.36	105	1405708	31.46	ug/l	99
79) n-propylbenzene	12.71	91	1457952	27.36	ug/l	97
81) 1,3,5-Trimethylbenzene	12.85	105	3763742	104.19	ug/l	93
85) 1,2,4-Trimethylbenzene	13.16	105	8288320	230.72	ug/l	94
87) p-Isopropyltoluene	13.41	119	1292779	39.74	ug/l	91
90) n-Butylbenzene	13.74	91	67420m	2.08	ug/l	
96) Naphthalene	15.27	128	28976956m	1125.40	ug/l	

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

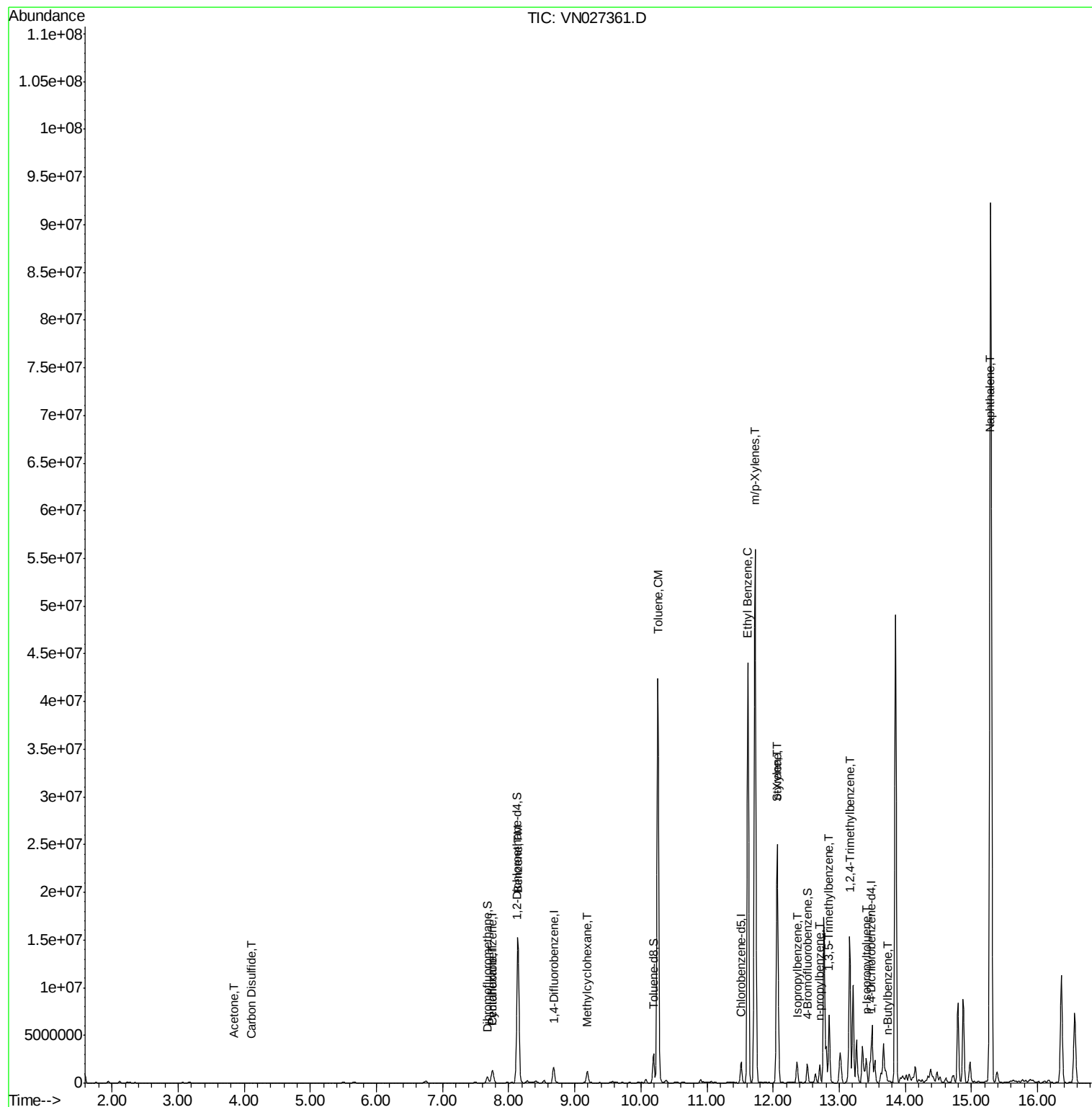
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
Data File : VN027361.D
Acq On : 22 Sep 2015 6:11
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Sample : G3754-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 1

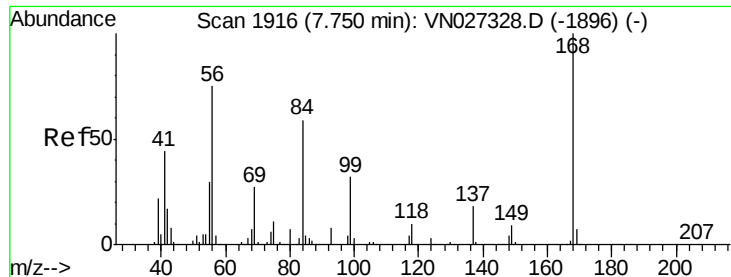
Instrument :
MSVOA_N
ClientSampleId :
MW-7BD

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Quant Time: Sep 22 08:19:26 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027361.D

Acq: 22 Sep 2015 6:11

Instrument :

MSVOA_N

ClientSampleId :

MW-7BD

Tot Ion:168 Resp: 708417

Ion Ratio Lower Upper

168 100

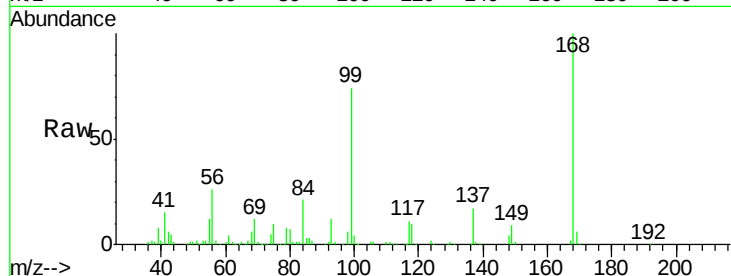
99 73.7 50.4 75.6

Manual Integrations

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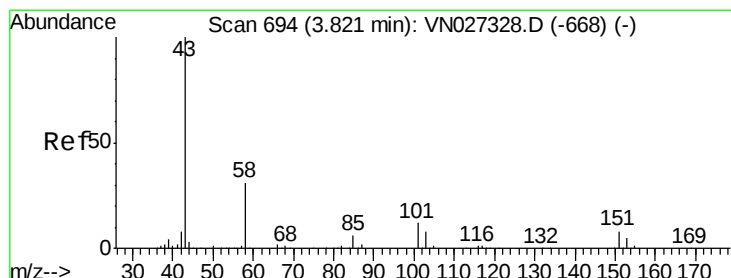
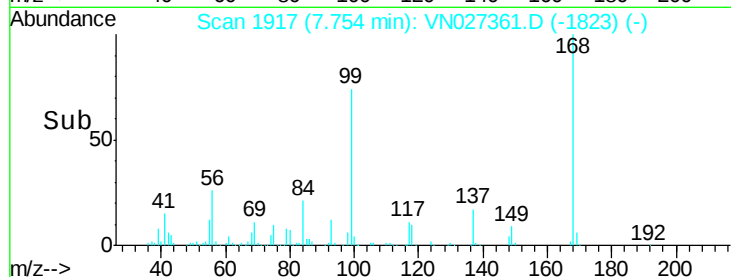
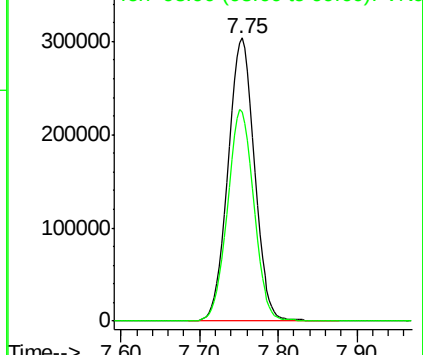
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#17

Acetone

Concen: 13.45 ug/l

RT: 3.84 min Scan# 701

Delta R.T. 0.02 min

Lab File: VN027361.D

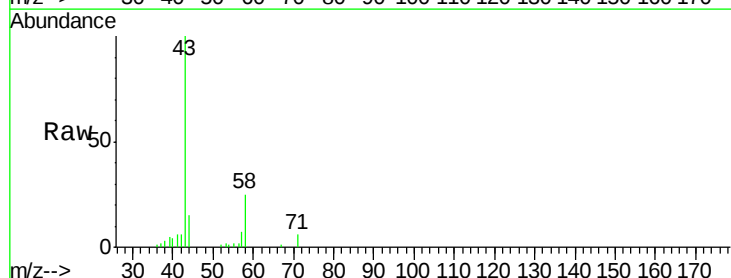
Acq: 22 Sep 2015 6:11

Tgt Ion: 43 Resp: 50761

Ion Ratio Lower Upper

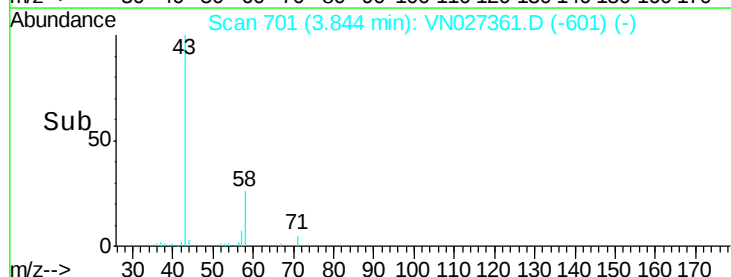
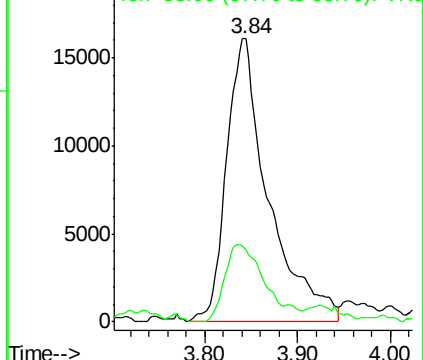
43 100

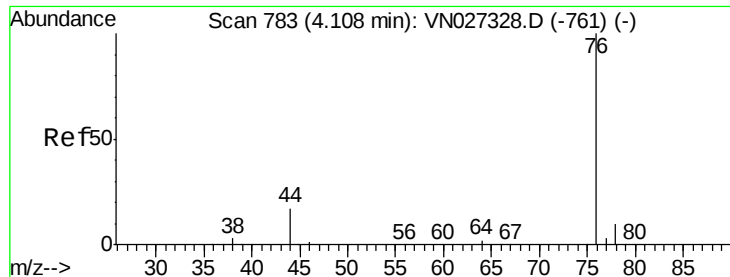
58 25.3 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





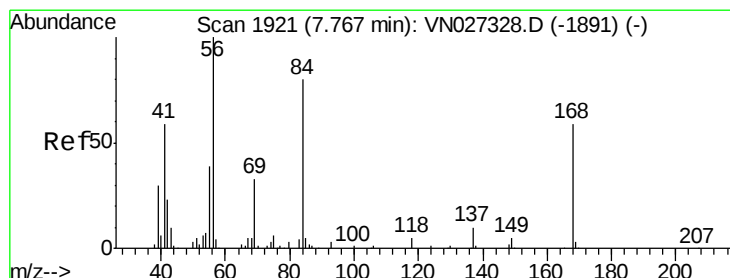
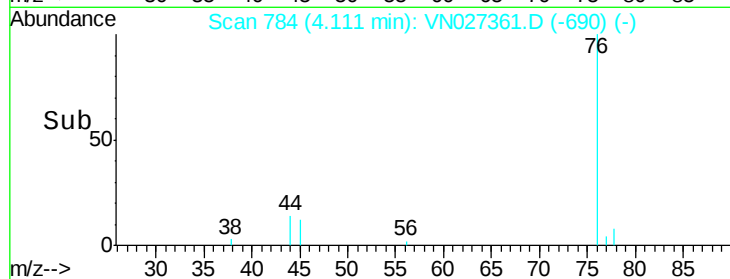
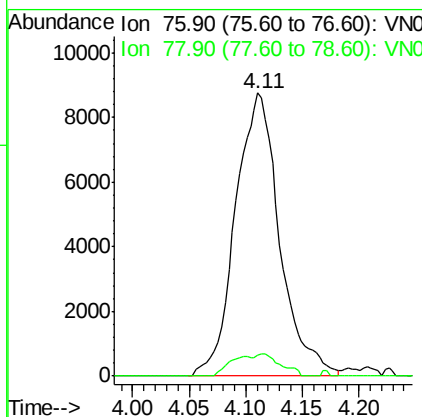
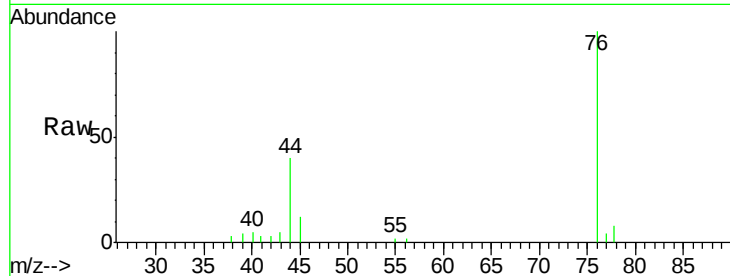
#18
Carbon Disulfide
Concen: 0.98 ug/l
RT: 4.11 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN027361.D
Acq: 22 Sep 2015 6:11

Instrument :
MSVOA_N
ClientSampled :
MW-7BD

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.5	7.1	10.7

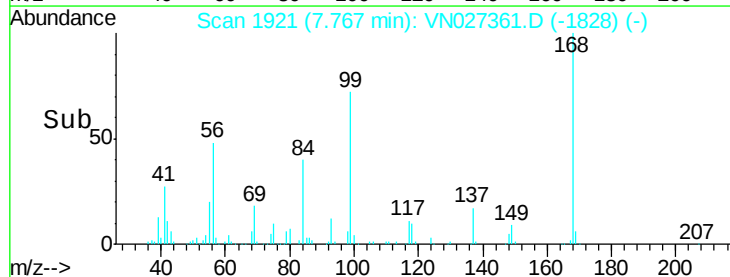
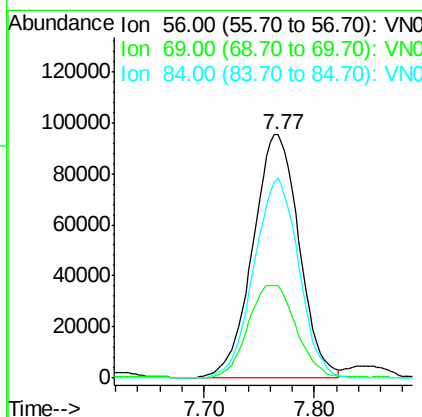
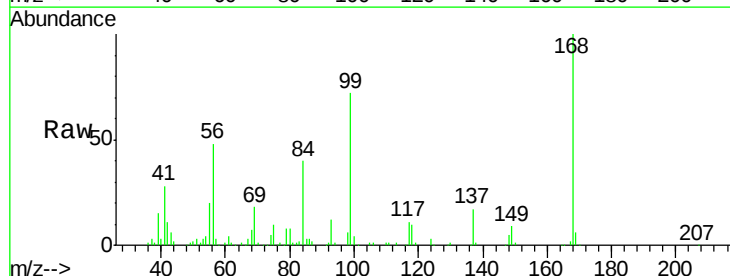
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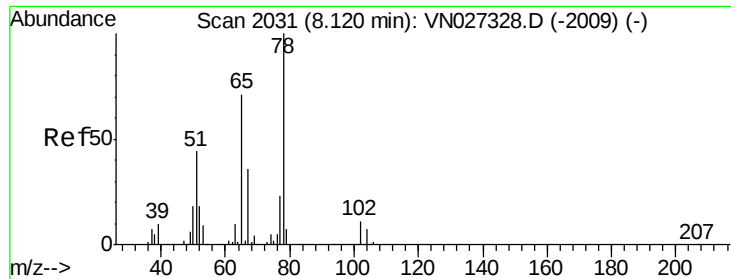
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#32
Cyclohexane
Concen: 14.35 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027361.D
Acq: 22 Sep 2015 6:11

Tgt Ion	Ratio	Lower	Upper
56	100		
69	38.0	23.0	34.4#
84	82.6	57.8	86.8





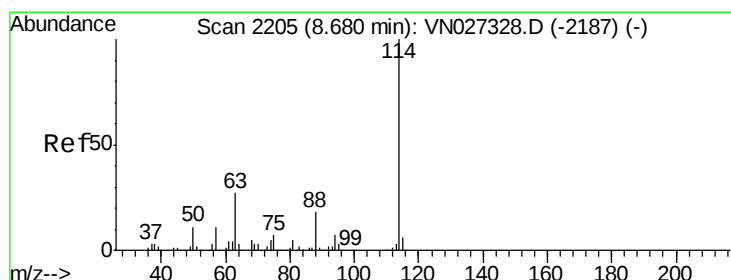
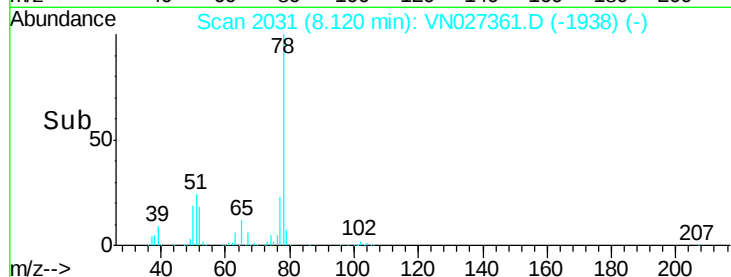
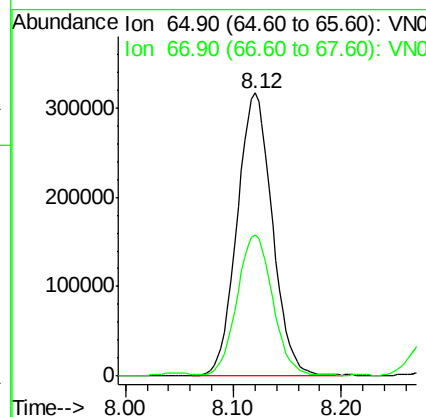
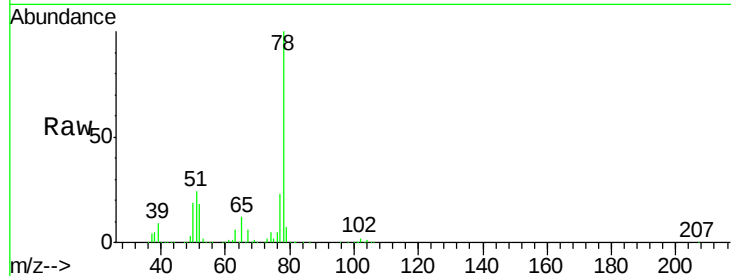
#34
 1,2-Dichloroethane-d4
 Concen: 51.64 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. -0.00 min
 Lab File: VN027361.D
 Acq: 22 Sep 2015 6:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	716070		
67	49.8	0.0	110.6	

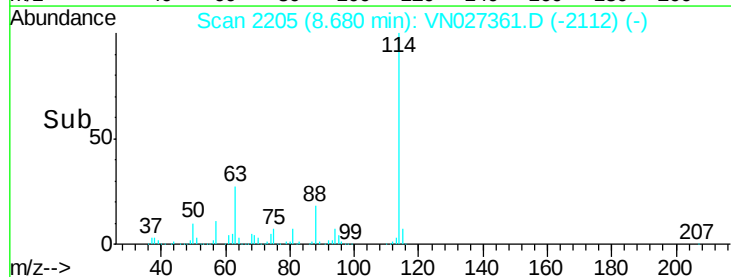
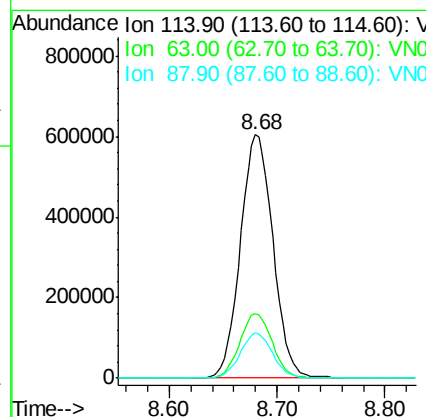
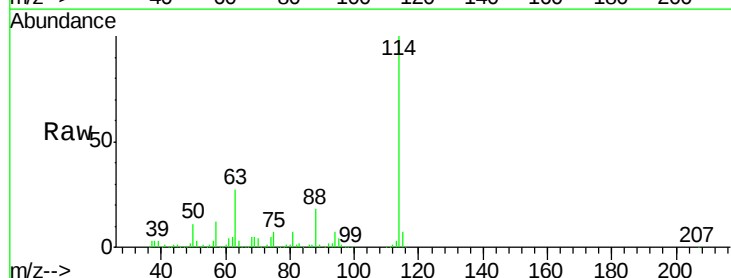
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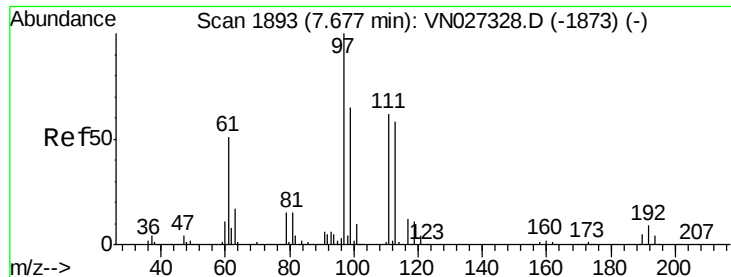
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#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VN027361.D
 Acq: 22 Sep 2015 6:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1271758		
63	26.6	0.0	48.8	
88	18.4	0.0	32.2	





#36

Dibromofluoromethane

Concen: 54.13 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. -0.00 min

Lab File: VN027361.D

Acq: 22 Sep 2015 6:11

Instrument :

MSVOA_N

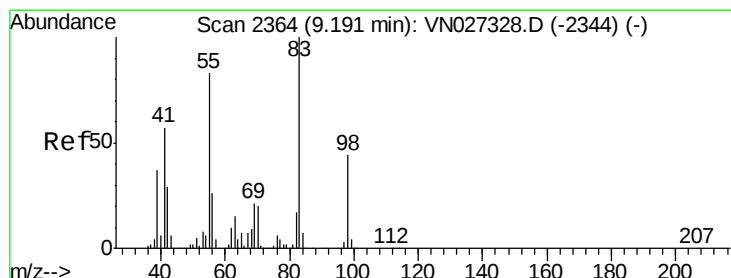
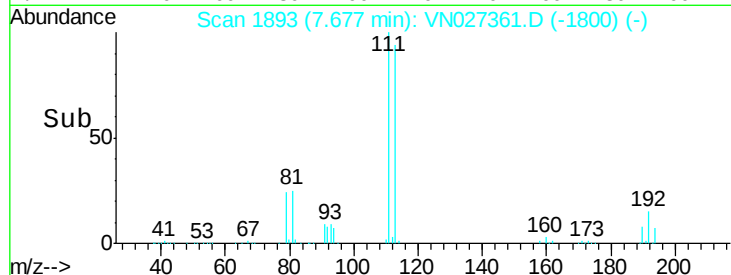
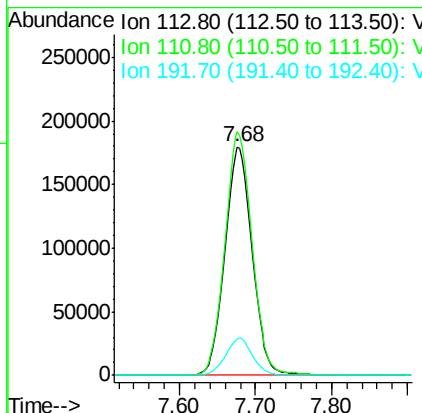
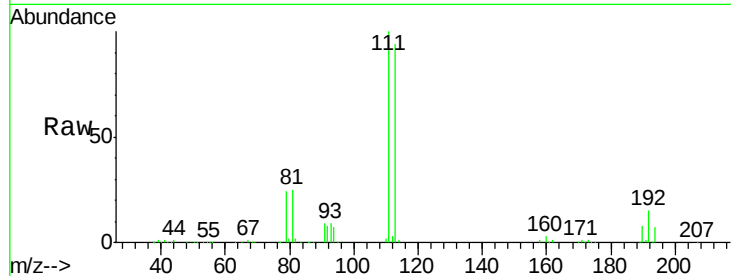
ClientSampled :

MW-7BD

Tot Ion:	113	Resp:	449157
Ion Ratio	Lower	Upper	
113	100		
111	106.4	83.0	124.4
192	16.0	14.1	21.1

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#40

Methylcyclohexane

Concen: 32.12 ug/l

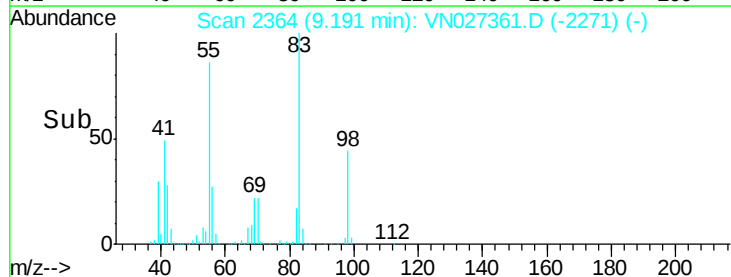
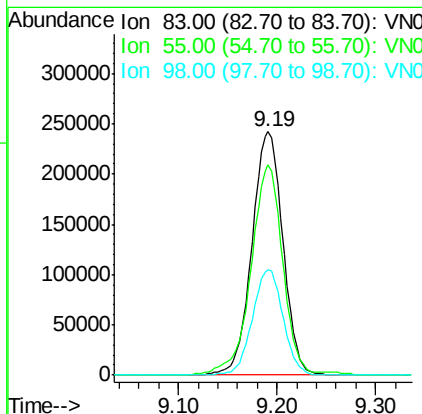
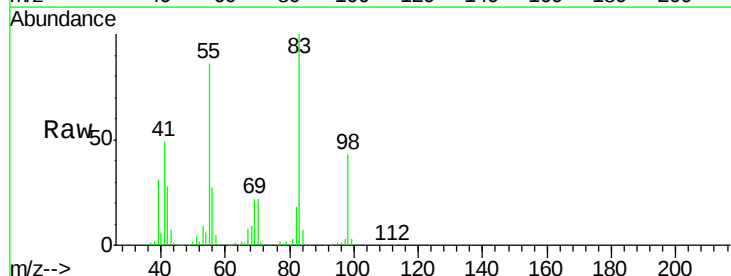
RT: 9.19 min Scan# 2364

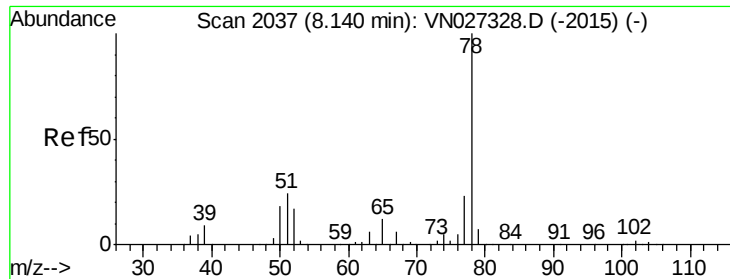
Delta R.T. -0.00 min

Lab File: VN027361.D

Acq: 22 Sep 2015 6:11

Tgt Ion:	83	Resp:	522985
Ion Ratio	Lower	Upper	
83	100		
55	85.9	69.8	104.8
98	43.5	34.3	51.5





#41

Benzene

Concen: 380.44 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VN027361.D

Acq: 22 Sep 2015 6:11

Instrument :

MSVOA_N

ClientSampleId :

MW-7BD

Tot Ion: 78 Resp:15133289

Ion Ratio Lower Upper

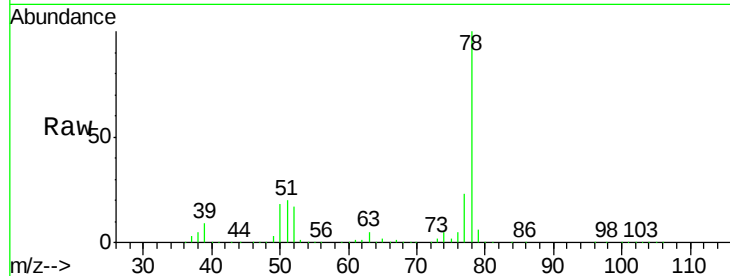
78 100

77 23.5 19.0 28.4

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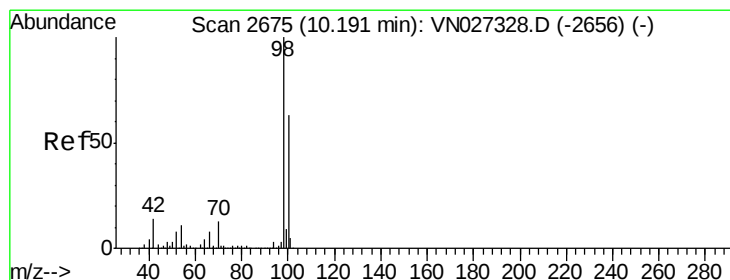
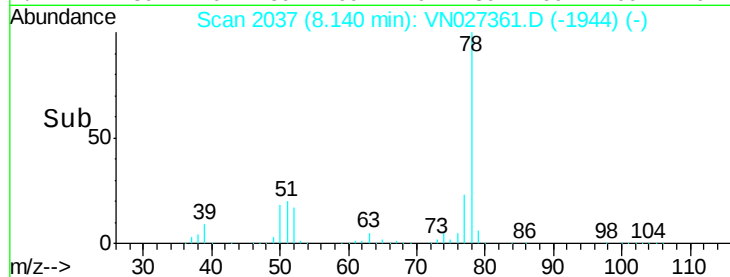
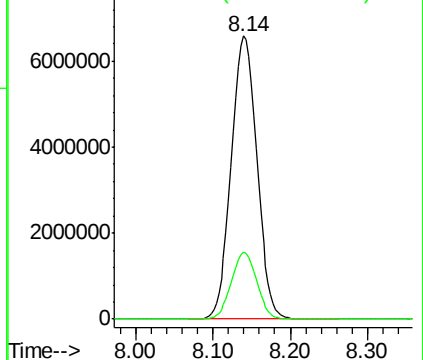
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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#51

Toluene-d8

Concen: 59.42 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027361.D

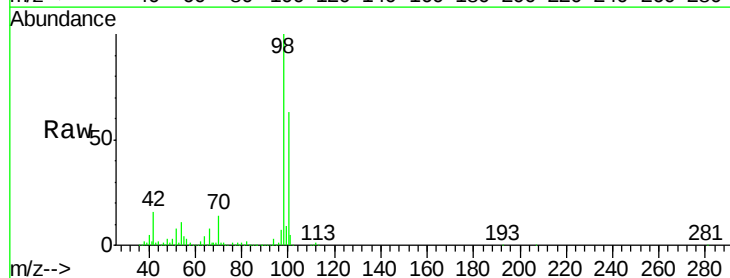
Acq: 22 Sep 2015 6:11

Tgt Ion: 98 Resp: 1906312

Ion Ratio Lower Upper

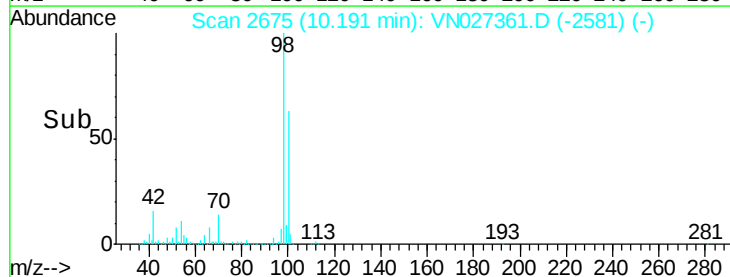
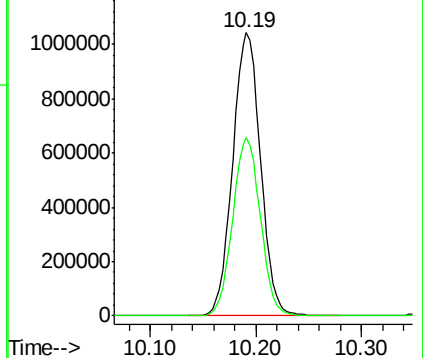
98 100

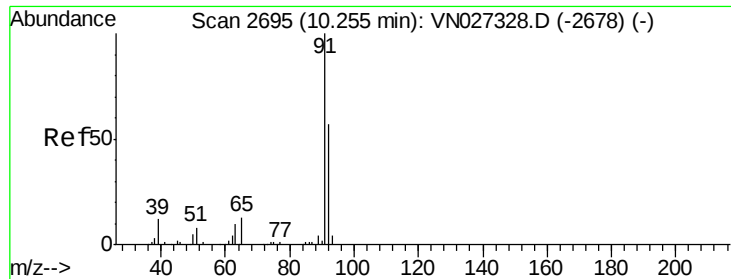
100 62.5 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#53

Toluene

Concen: 741.89 ug/l

RT: 10.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VN027361.D

Acq: 22 Sep 2015 6:11

Instrument :

MSVOA_N

ClientSampleId :

MW-7BD

Tot Ion: 92 Resp:17456804

Ion Ratio Lower Upper

92 100

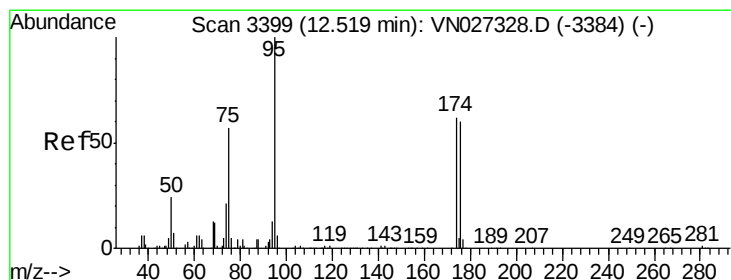
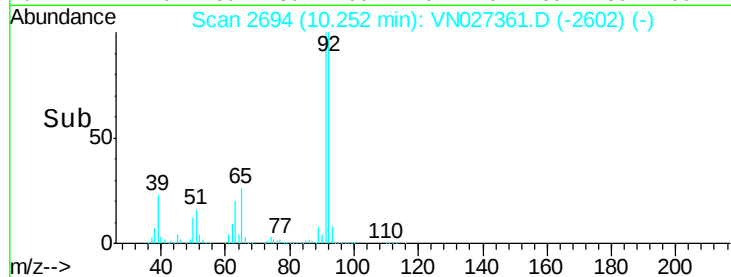
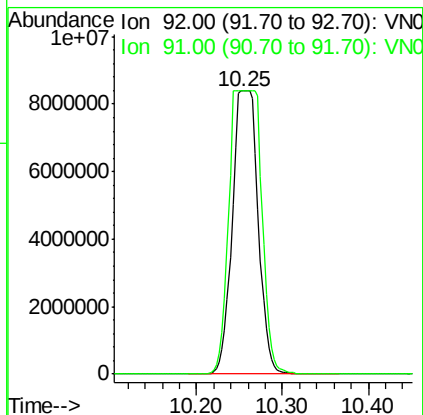
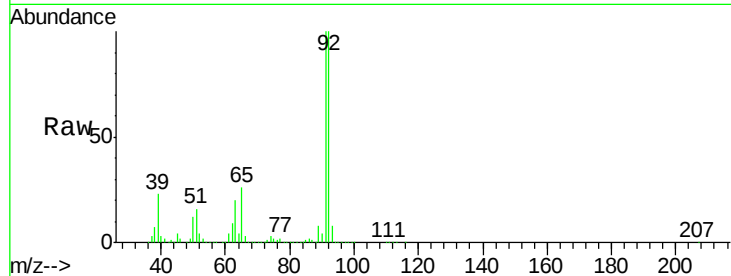
91 0.0 141.4 212.2#

Manual Integrations

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#63

4-Bromofluorobenzene

Concen: 58.22 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN027361.D

Acq: 22 Sep 2015 6:11

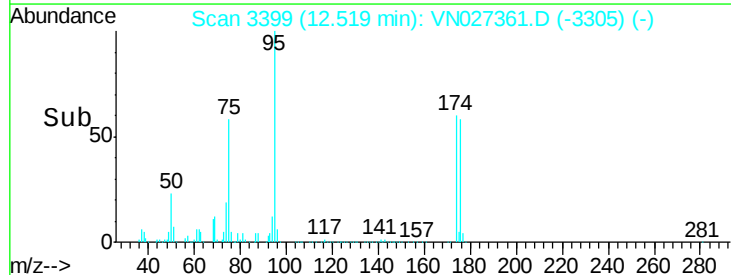
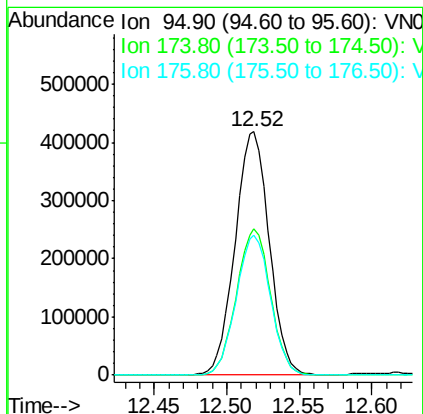
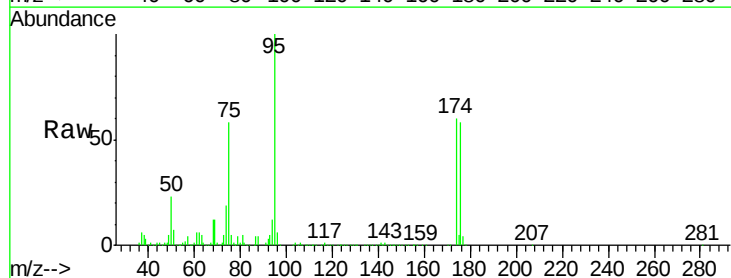
Tgt Ion: 95 Resp: 678530

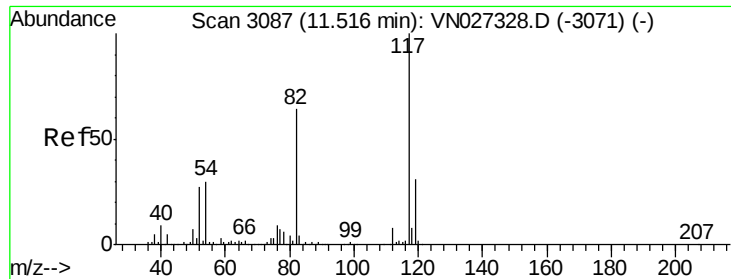
Ion Ratio Lower Upper

95 100

174 60.5 0.0 137.0

176 58.3 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: VN027361.D

Acq: 22 Sep 2015 6:11

Instrument :

MSVOA_N

ClientSampleId :

MW-7BD

Tot Ion:117 Resp: 1095292

Ion Ratio Lower Upper

117 100

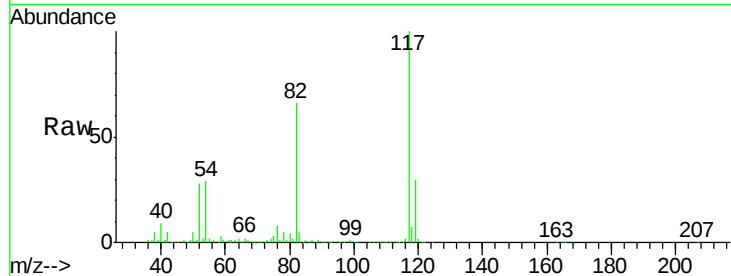
82 65.5 49.6 74.4

119 30.3 24.6 36.8

Manual Integrations
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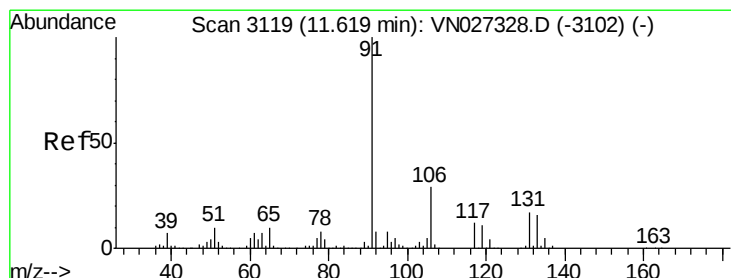
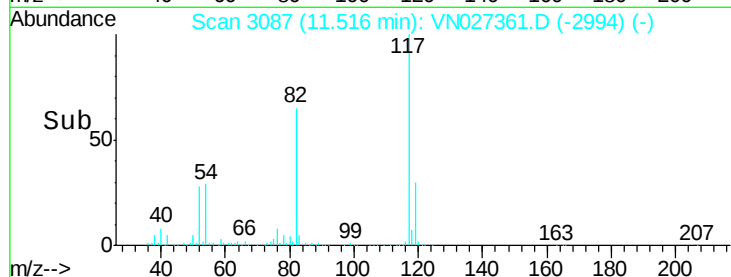
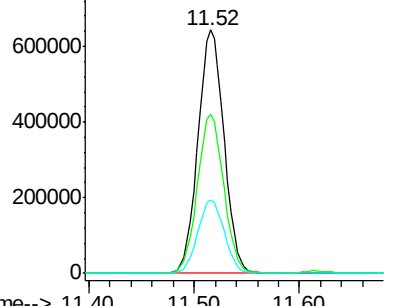
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#68

Ethyl Benzene

Concen: 468.44 ug/l m

RT: 11.61 min Scan# 3115

Delta R.T. -0.01 min

Lab File: VN027361.D

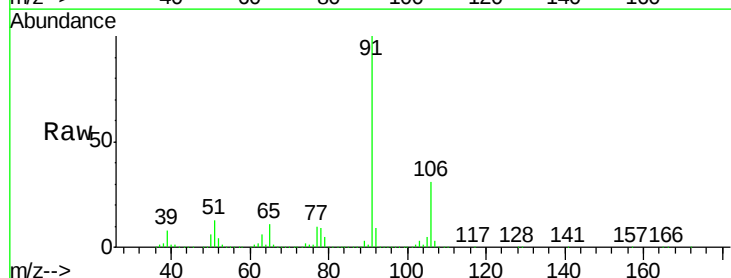
Acq: 22 Sep 2015 6:11

Tgt Ion: 91 Resp:20750460

Ion Ratio Lower Upper

91 100

106 30.8 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

1e+07

8000000

6000000

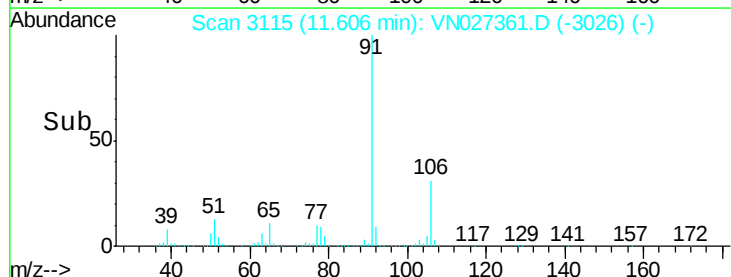
4000000

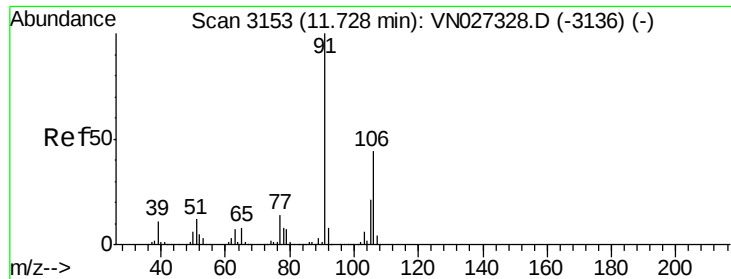
2000000

0

11.55 11.60 11.65

Time-->





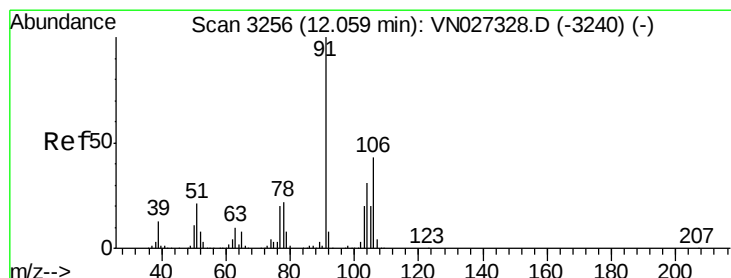
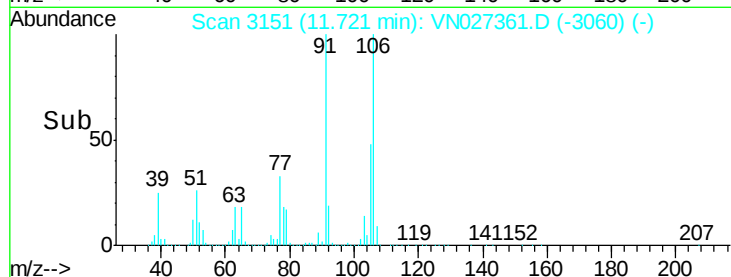
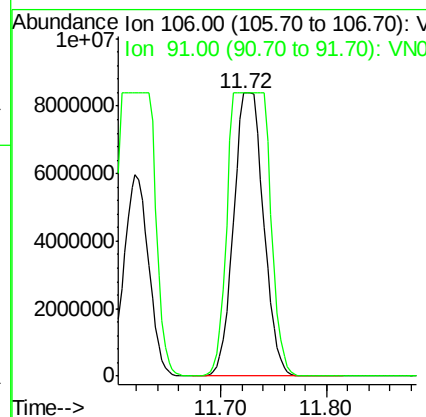
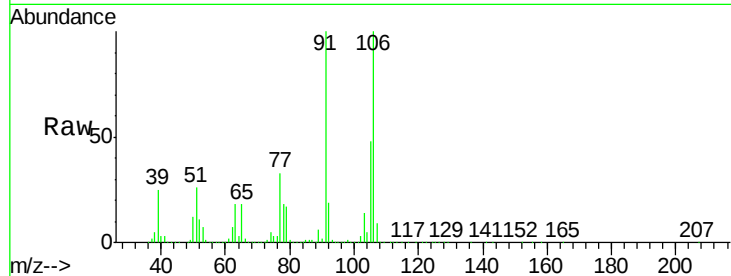
#69
m/p-Xylenes
Concen: 1068.71 ug/l
RT: 11.72 min Scan# 3151
Delta R.T. -0.01 min
Lab File: VN027361.D
Acq: 22 Sep 2015 6:11

Instrument :
MSVOA_N
ClientSampleId :
MW-7BD

Tot Ion:106 Resp:16411884
Ion Ratio Lower Upper
106 100
91 0.0 167.1 250.7#

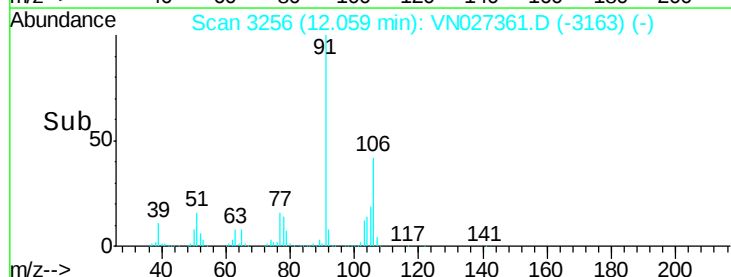
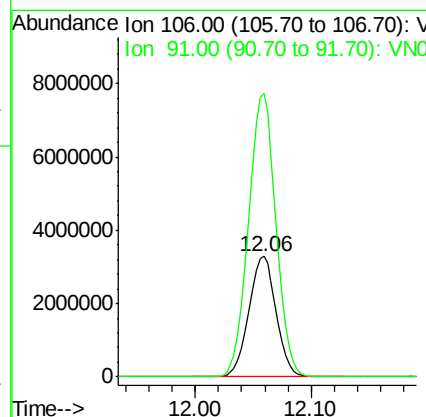
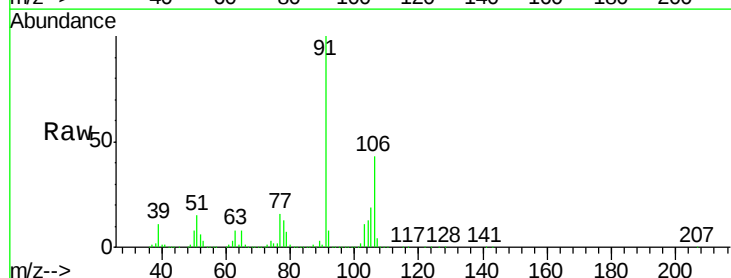
Manual Integrations
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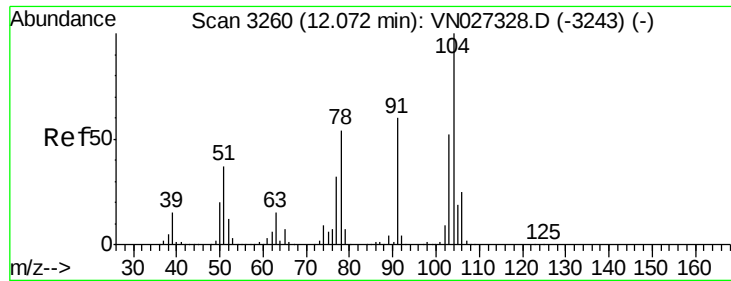
MMDadoda
9/22/2015 2:29:21 PM



#70
o-Xylene
Concen: 345.69 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN027361.D
Acq: 22 Sep 2015 6:11

Tgt Ion:106 Resp: 5364253
Ion Ratio Lower Upper
106 100
91 237.3 110.7 331.9





#71

Stvrene

Concen: 150.82 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027361.D

Acq: 22 Sep 2015 6:11

Instrument :

MSVOA_N

ClientSampled :

MW-7BD

Tot Ion:104 Resp: 3725901

Ion Ratio Lower Upper

104 100

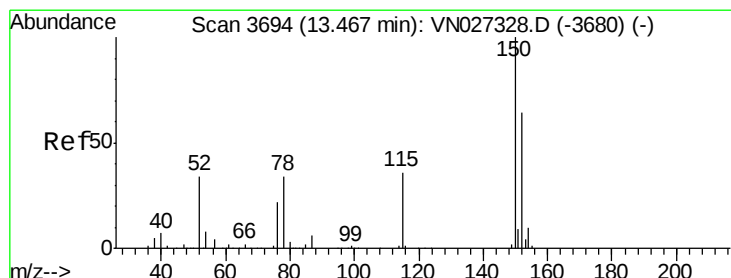
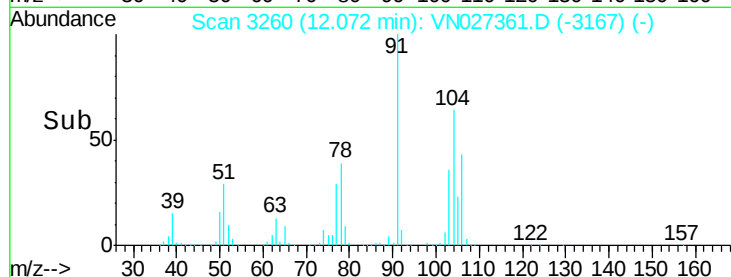
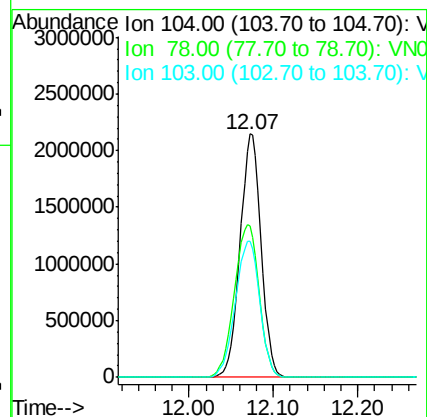
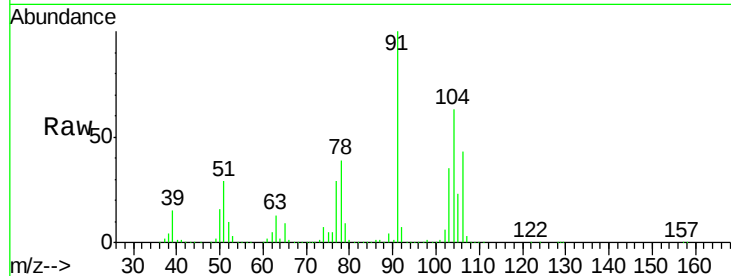
78 73.6 41.6 62.4#

103 64.9 44.2 66.2

Manual Integrations
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#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN027361.D

Acq: 22 Sep 2015 6:11

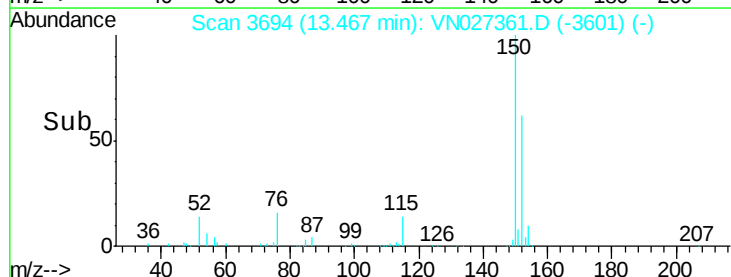
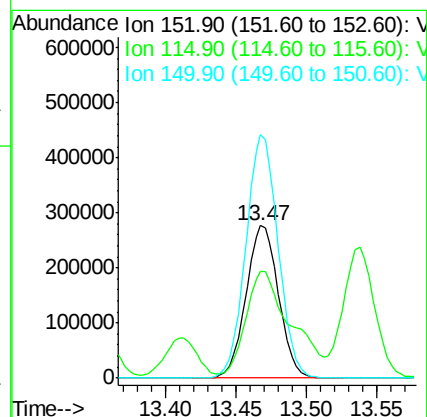
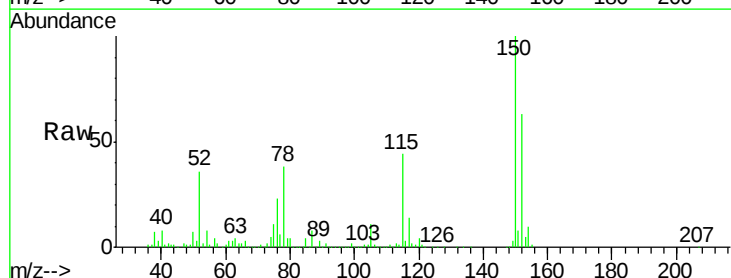
Tgt Ion:152 Resp: 446065

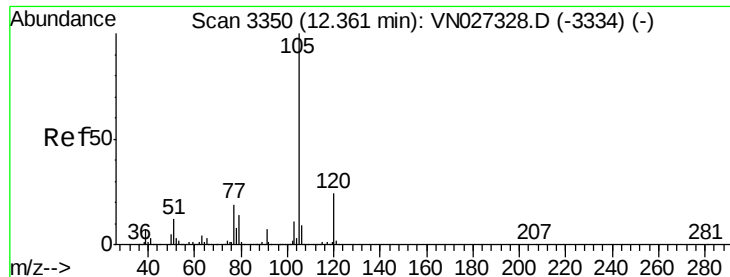
Ion Ratio Lower Upper

152 100

115 90.9 30.8 92.3

150 158.5 0.0 345.0





#74

Isopropylbenzene

Concen: 31.46 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VN027361.D

Acq: 22 Sep 2015 6:11

Instrument :

MSVOA_N

ClientSampled :

MW-7BD

Tot Ion:105 Resp: 1405708

Ion Ratio Lower Upper

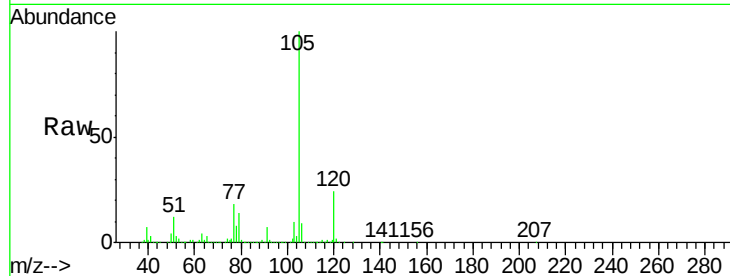
105 100

120 24.2 12.4 37.2

Manual Integrations
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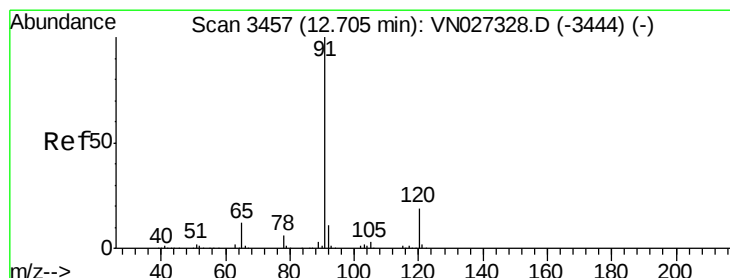
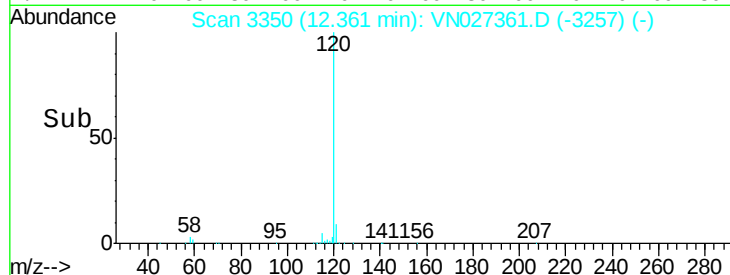
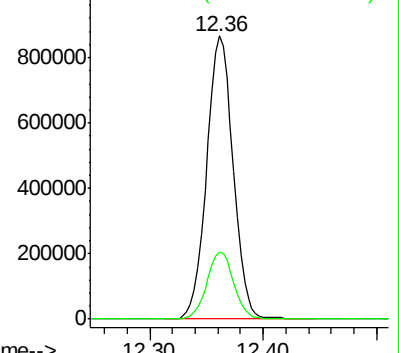
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#79

n-propylbenzene

Concen: 27.36 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. -0.00 min

Lab File: VN027361.D

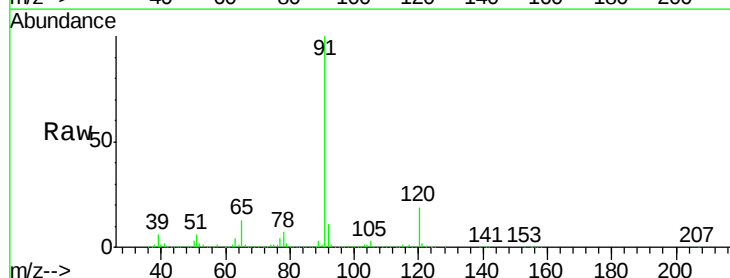
Acq: 22 Sep 2015 6:11

Tgt Ion: 91 Resp: 1457952

Ion Ratio Lower Upper

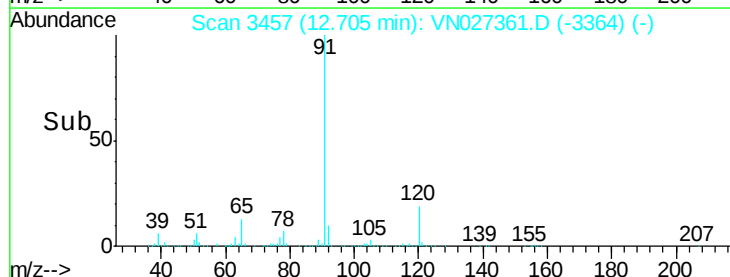
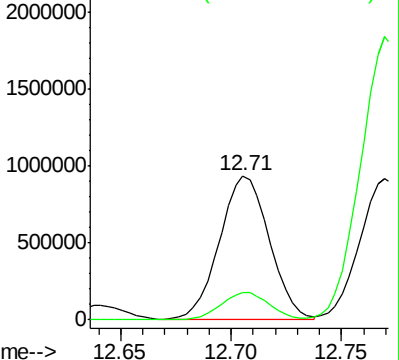
91 100

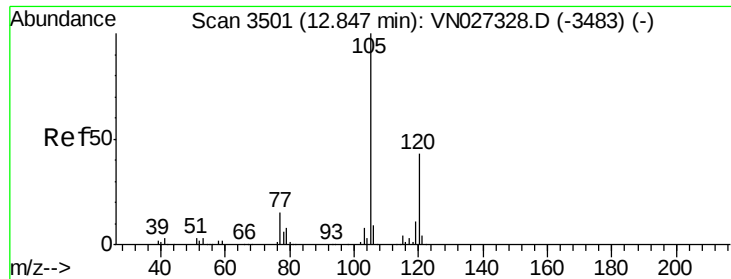
120 19.2 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#81

1,3,5-Trimethylbenzene

Concen: 104.19 ug/l

RT: 12.85 min Scan# 3501

Delta R.T. -0.00 min

Lab File: VN027361.D

Acq: 22 Sep 2015 6:11

Instrument :

MSVOA_N

ClientSampled :

MW-7BD

Tot Ion:105 Resp: 3763742

Ion Ratio Lower Upper

105 100

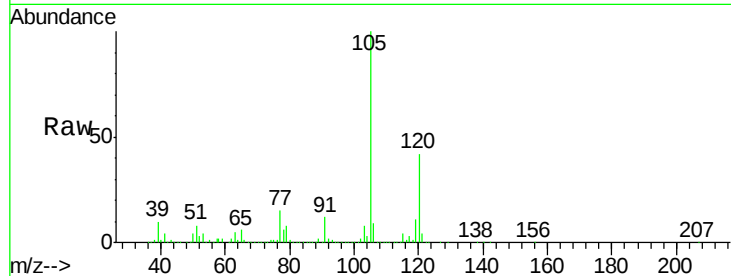
120 42.1 23.4 70.0

Manual Integrations

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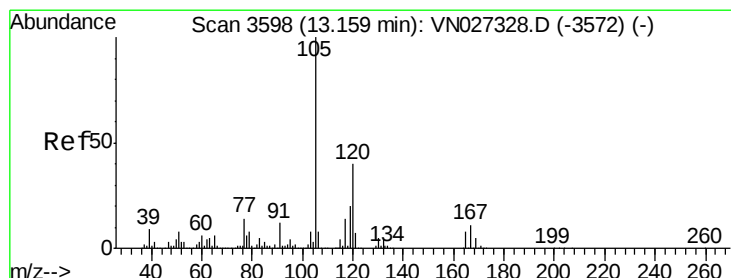
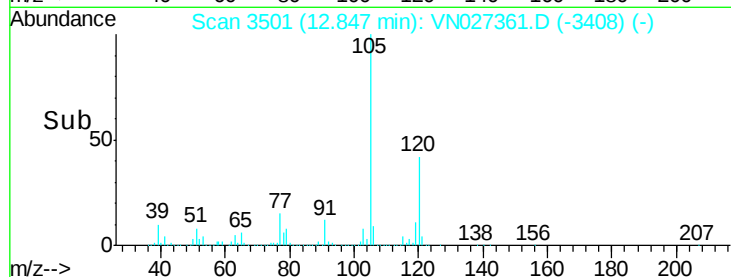
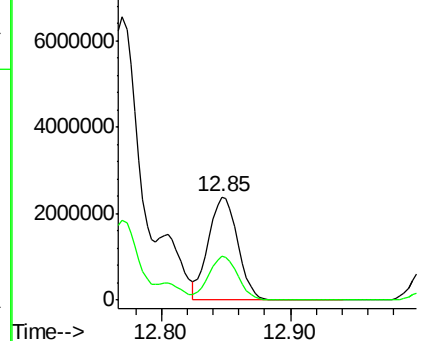
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

1,2,4-Trimethylbenzene

Concen: 230.72 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN027361.D

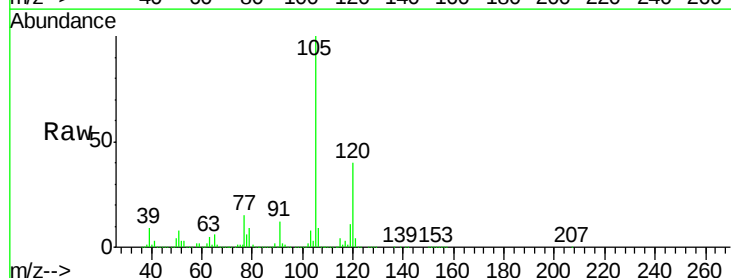
Acq: 22 Sep 2015 6:11

Tgt Ion:105 Resp: 8288320

Ion Ratio Lower Upper

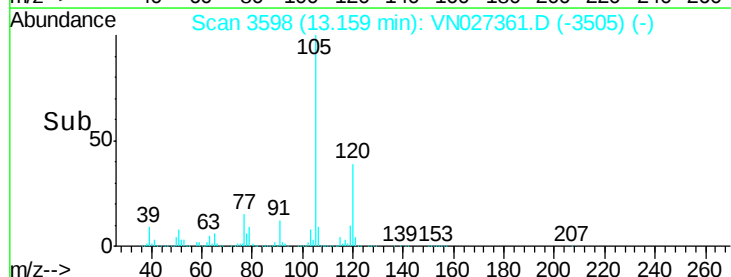
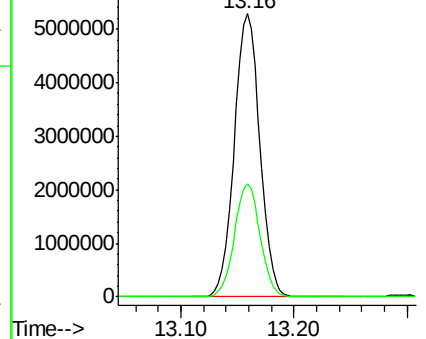
105 100

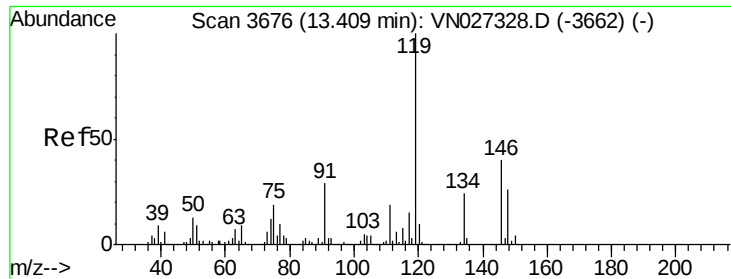
120 40.0 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





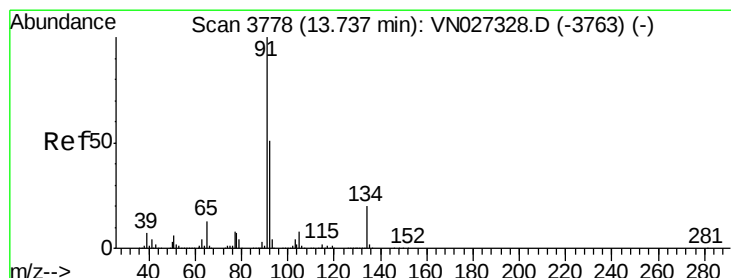
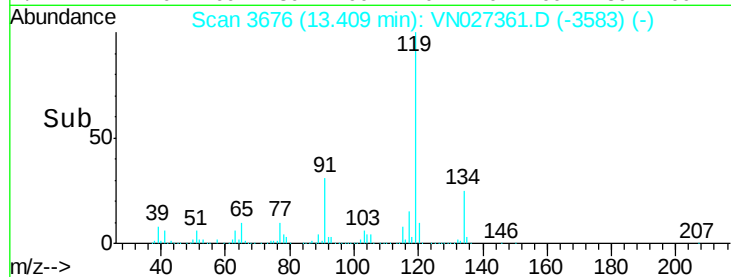
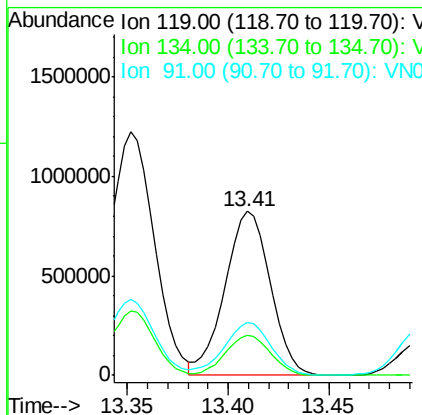
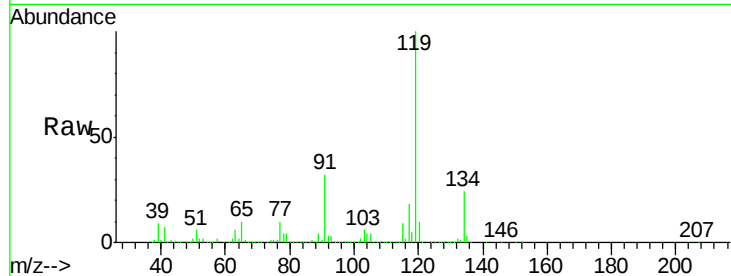
#87
 p-Isopropyltoluene
 Concen: 39.74 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027361.D
 Acq: 22 Sep 2015 6:11

Instrument :
 MSVOA_N
 ClientSampled :
 MW-7BD

Tot Ion: 119 Resp: 1292779
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.4 37.0
 91 32.9 12.0 36.1

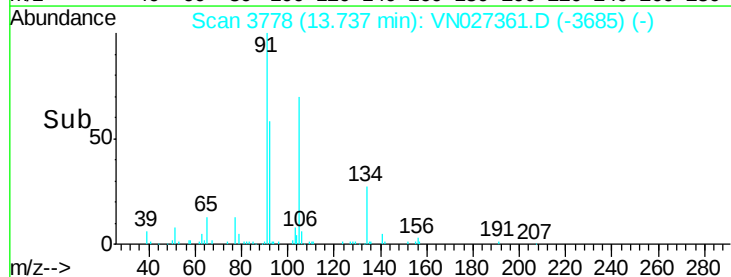
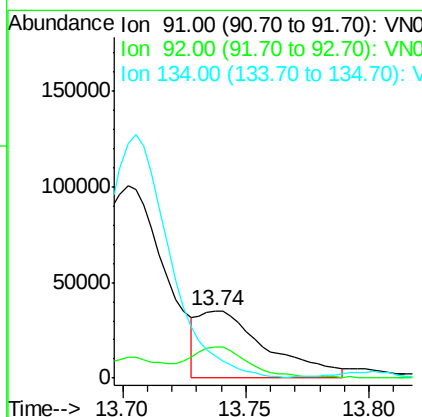
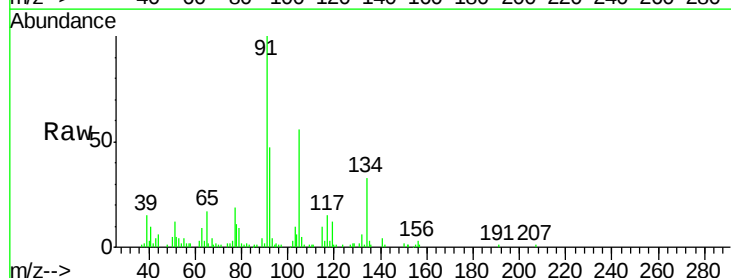
Manual Integrations
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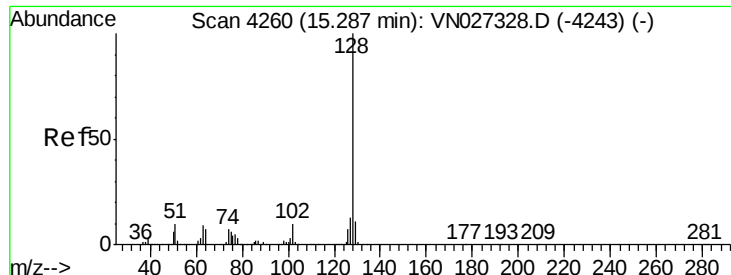
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#90
 n-Butylbenzene
 Concen: 2.08 ug/l m
 RT: 13.74 min Scan# 3778
 Delta R.T. -0.00 min
 Lab File: VN027361.D
 Acq: 22 Sep 2015 6:11

Tgt Ion: 91 Resp: 67420
 Ion Ratio Lower Upper
 91 100
 92 135.3 26.1 78.2#
 134 113.0 11.1 33.1#





#96
Naphthalene
Concen: 1125.40 ug/l m
RT: 15.27 min Scan# 4254
Delta R.T. -0.02 min
Lab File: VN027361.D
Acq: 22 Sep 2015 6:11

Instrument :
MSVOA_N
ClientSampleId :
MW-7BD

Tot Ion:128 Resp:28976956
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 12.8#

Manual Integrations
APPROVED

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