

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027261.D
 Acq On : 17 Sep 2015 17:59
 Operator : MD\FY
 Sample : G3704-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6-9-15-15

Manual Integrations
 APPROVED

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 9/18/2015 12:23:23 PM

Quant Time: Sep 18 12:19:45 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	769451	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1371741	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1161068	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	437681	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	774812	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
36) Dibromofluoromethane	7.68	113	492642	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
51) Toluene-d8	10.19	98	2000179	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
63) 4-Bromofluorobenzene	12.52	95	684497	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
40) Methylcyclohexane	9.19	83	12485	0.64	ug/l	91
41) Benzene	8.14	78	11087	0.24	ug/l #	87
53) Toluene	10.26	92	11279	0.41	ug/l	99
68) Ethyl Benzene	11.62	91	774778	14.91	ug/l	99
69) m/p-Xylenes	11.72	106	306433	17.09	ug/l	91
70) o-Xylene	12.06	106	274074	15.25	ug/l	91
74) Isopropylbenzene	12.36	105	84363	1.75	ug/l	98
79) n-propylbenzene	12.71	91	168097	2.96	ug/l	97
81) 1,3,5-Trimethylbenzene	12.85	105	255720	6.60	ug/l	95
85) 1,2,4-Trimethylbenzene	13.16	105	1461763	37.56	ug/l	95
86) sec-Butylbenzene	13.29	105	42723m	0.91	ug/l	
87) p-Isopropyltoluene	13.41	119	69104	1.92	ug/l	95
90) n-Butylbenzene	13.73	91	21397	0.61	ug/l #	73
96) Naphthalene	15.29	128	38841	1.53	ug/l	96

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

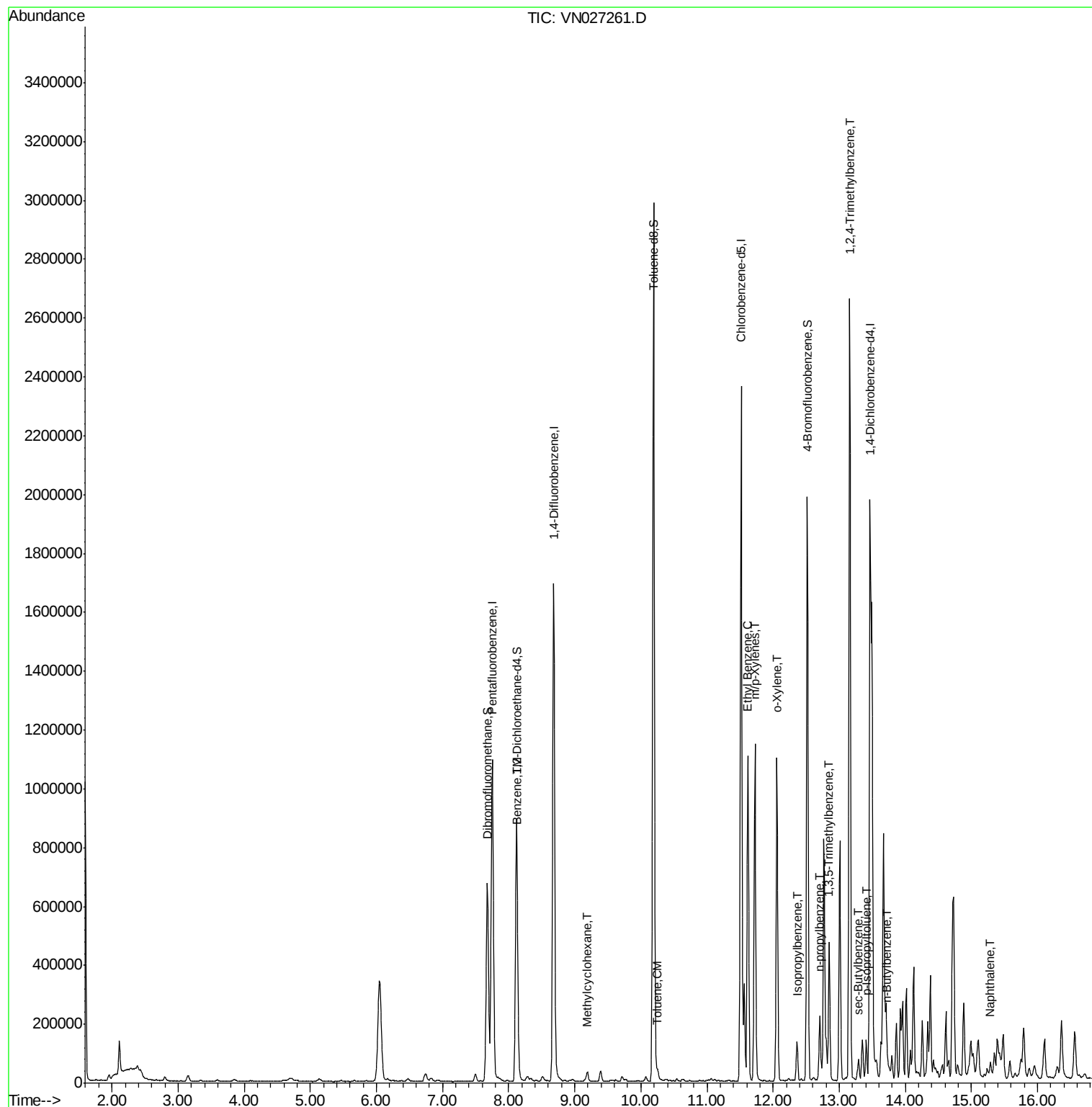
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
Data File : VN027261.D
Acq On : 17 Sep 2015 17:59
Operator : MD\FY
Sample : G3704-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

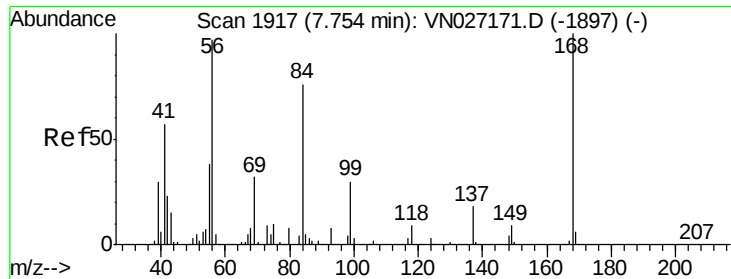
Instrument :
MSVOA_N
ClientSampleId :
MW-6-9-15-15

Manual Integrations
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Quant Time: Sep 18 12:19:45 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027261.D

Acq: 17 Sep 2015 17:59

Instrument :

MSVOA_N

ClientSampleId :

MW-6-9-15-15

Tot Ion:168 Resp: 769451

Ion Ratio Lower Upper

168 100

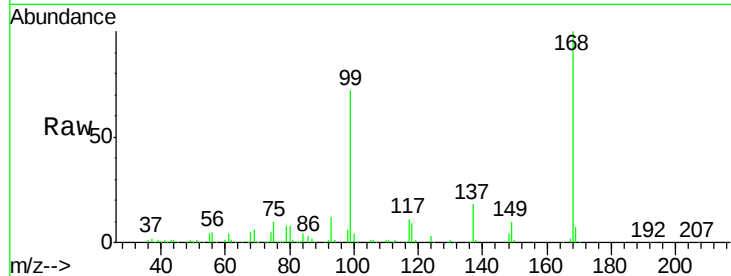
99 72.1 50.4 75.6

Manual Integrations

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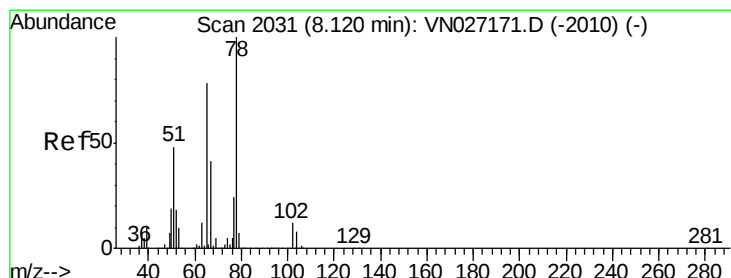
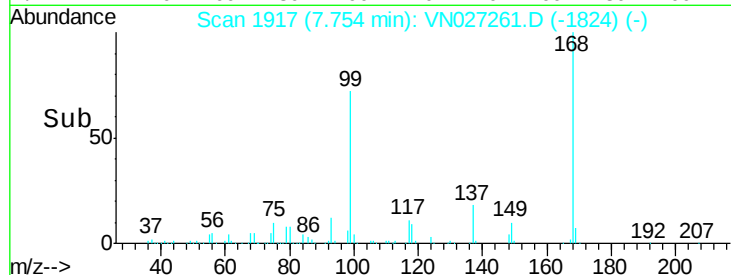
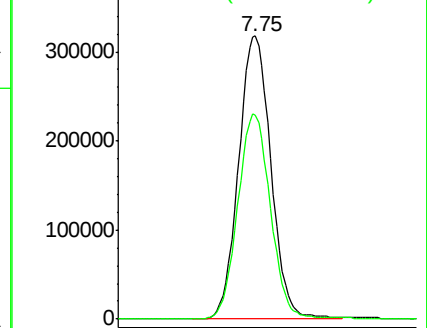
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#34

1,2-Dichloroethane-d4

Concen: 49.15 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027261.D

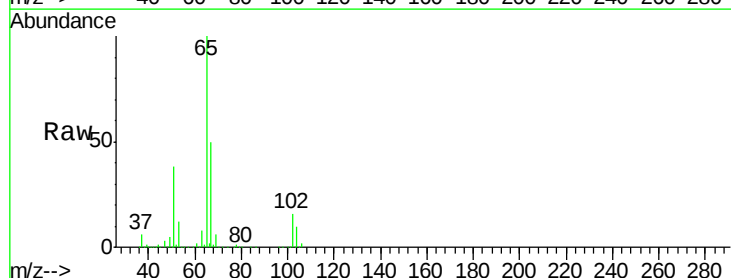
Acq: 17 Sep 2015 17:59

Tgt Ion: 65 Resp: 774812

Ion Ratio Lower Upper

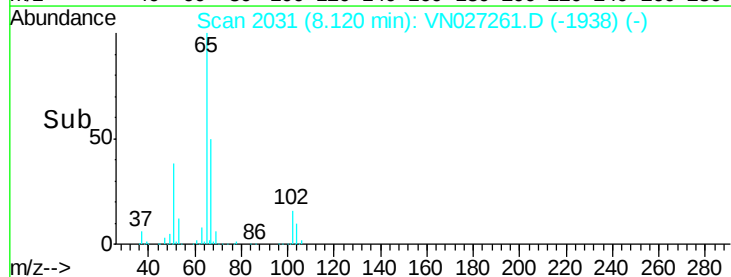
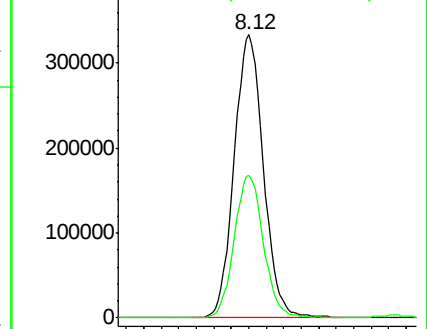
65 100

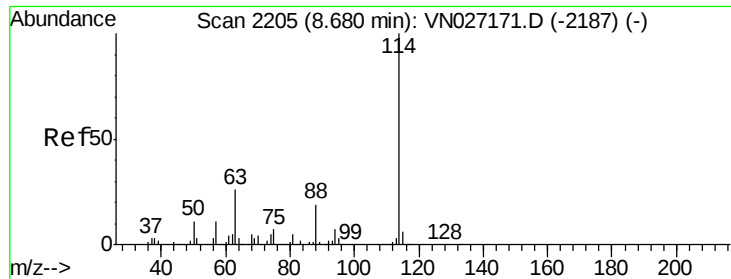
67 50.2 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO





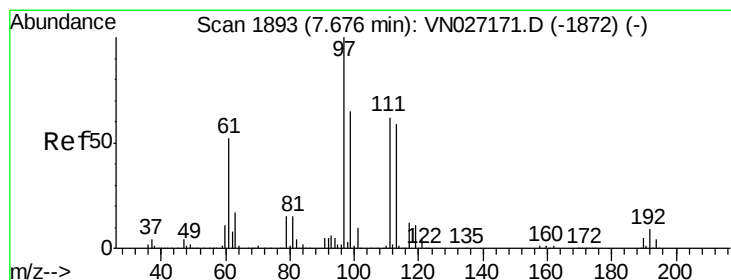
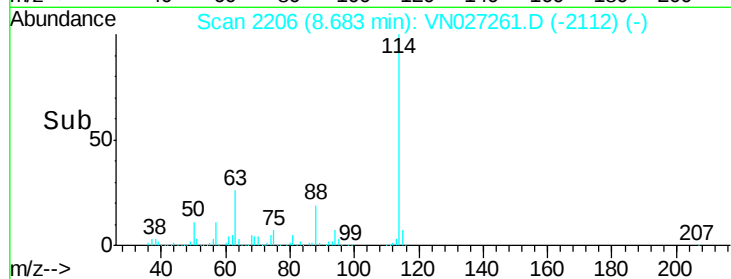
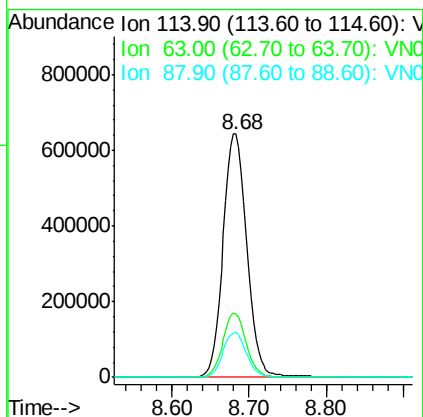
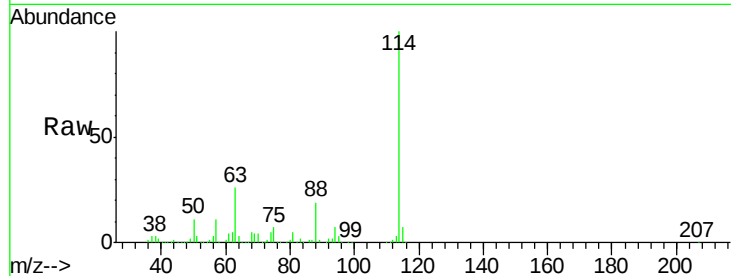
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VN027261.D
 Acq: 17 Sep 2015 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6-9-15-15

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.2	0.0	48.8
88	18.5	0.0	32.2

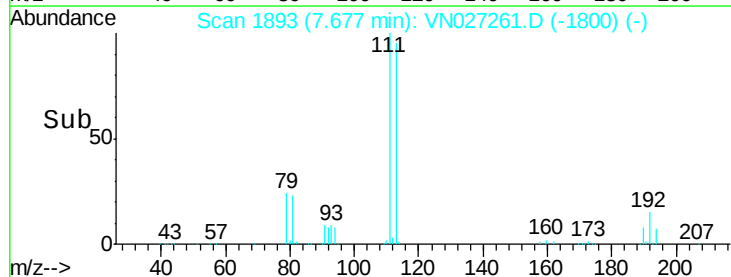
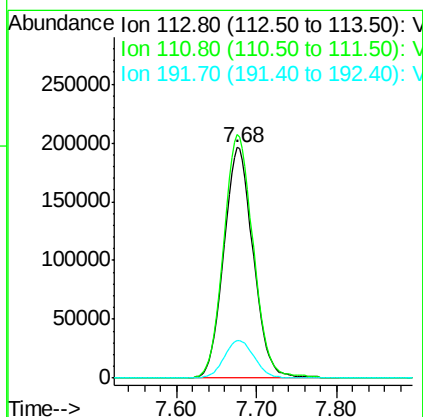
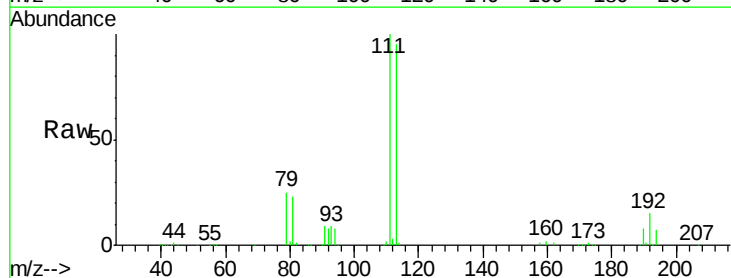
Manual Integrations
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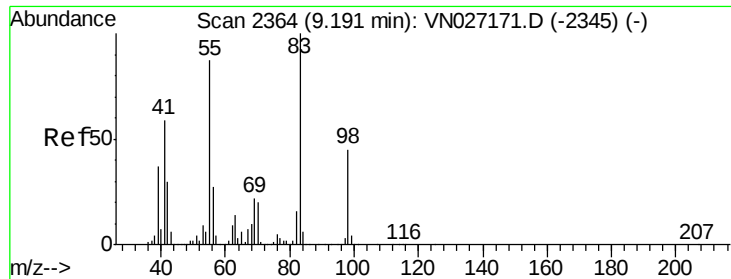
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#36
 Dibromofluoromethane
 Concen: 51.81 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027261.D
 Acq: 17 Sep 2015 17:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.6	83.0	124.4
192	16.6	14.1	21.1





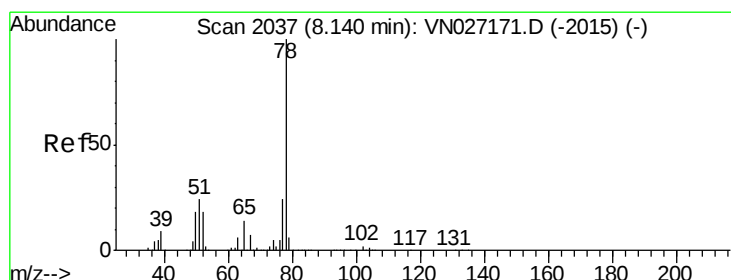
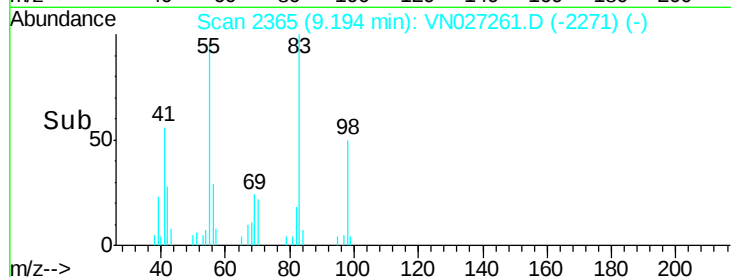
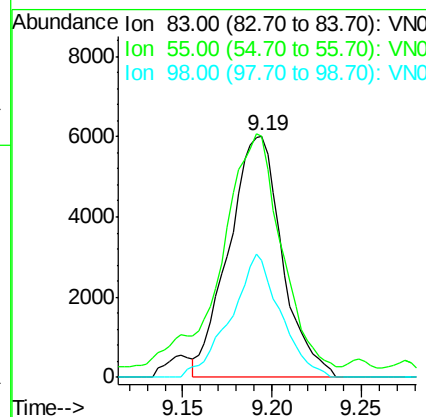
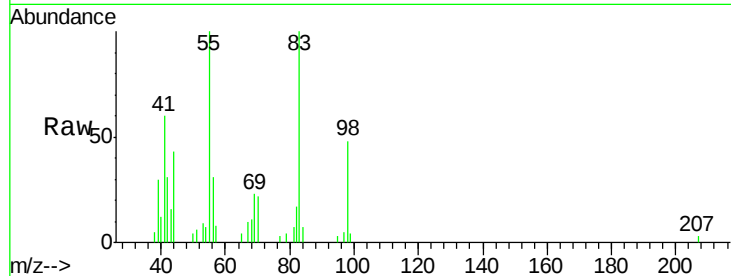
#40
Methvlcvclohexane
Concen: 0.64 ug/l
RT: 9.19 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VN027261.D
Acq: 17 Sep 2015 17:59

Instrument :
MSVOA_N
ClientSampleId :
MW-6-9-15-15

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.3	69.8	104.8
98	48.2	34.3	51.5

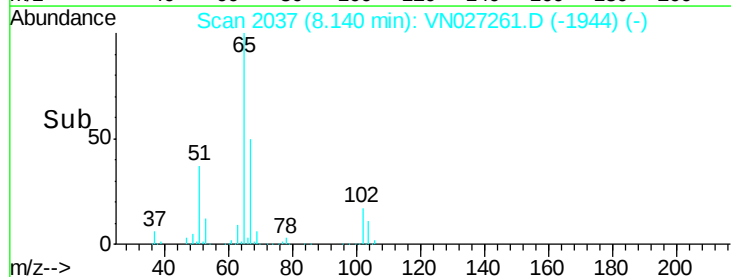
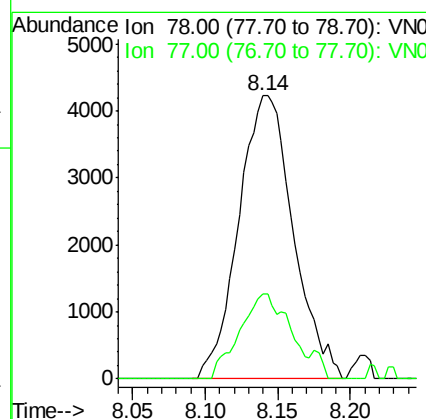
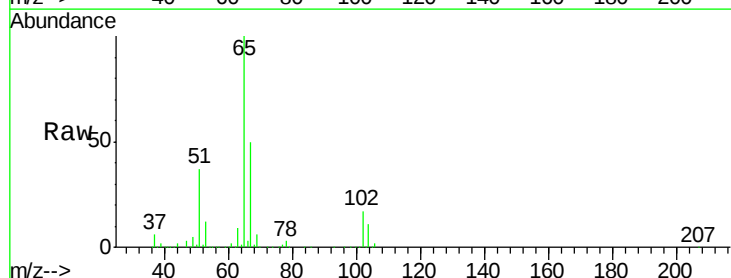
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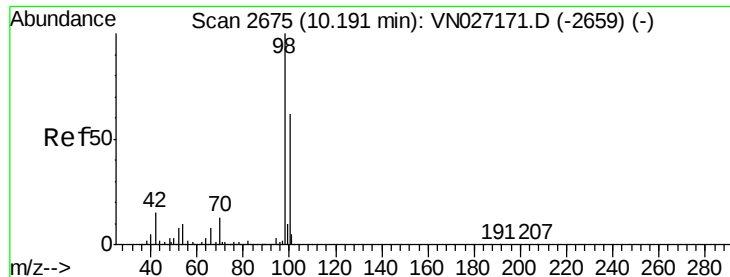
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#41
Benzene
Concen: 0.24 ug/l
RT: 8.14 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VN027261.D
Acq: 17 Sep 2015 17:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	30.0	19.0	28.4#





#51

Toluene-d8

Concen: 53.72 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027261.D

Acq: 17 Sep 2015 17:59

Instrument :

MSVOA_N

ClientSampleId :

MW-6-9-15-15

Tot Ion: 98 Resp: 2000179

Ion Ratio Lower Upper

98 100

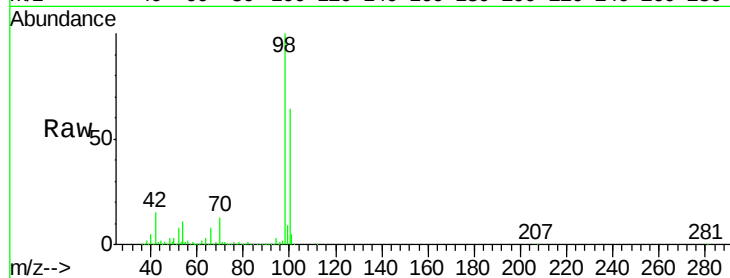
100 63.3 50.5 75.7

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1200000

1000000

800000

600000

400000

200000

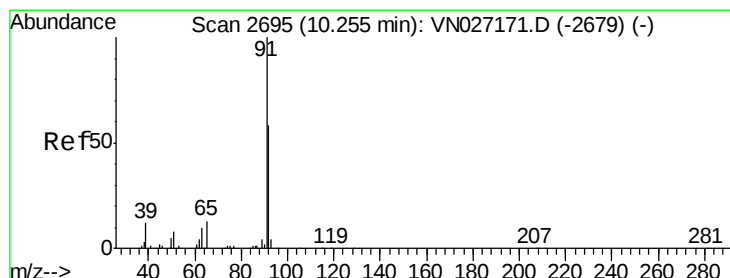
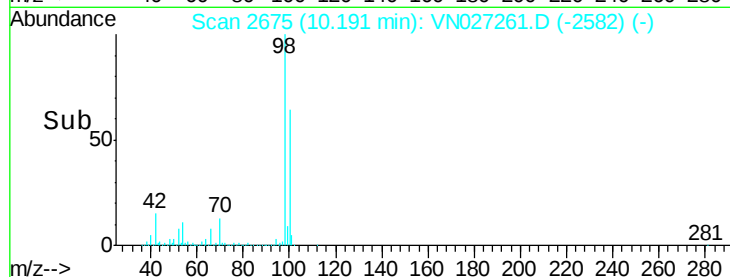
0

10.10

10.20

10.30

Time-->



#53

Toluene

Concen: 0.41 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027261.D

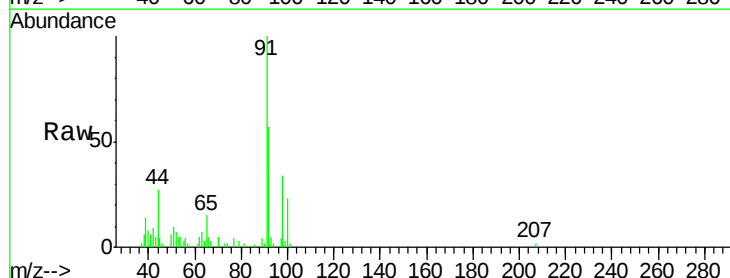
Acq: 17 Sep 2015 17:59

Tgt Ion: 92 Resp: 11279

Ion Ratio Lower Upper

92 100

91 175.0 141.4 212.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

12000

10000

8000

6000

4000

2000

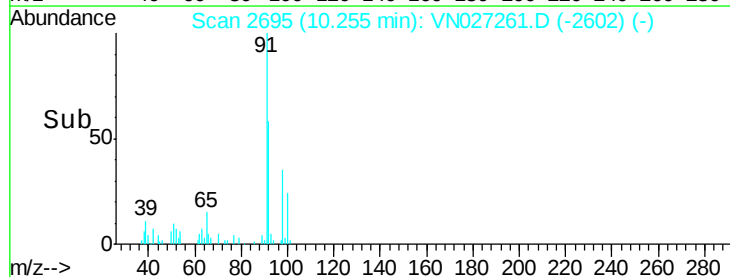
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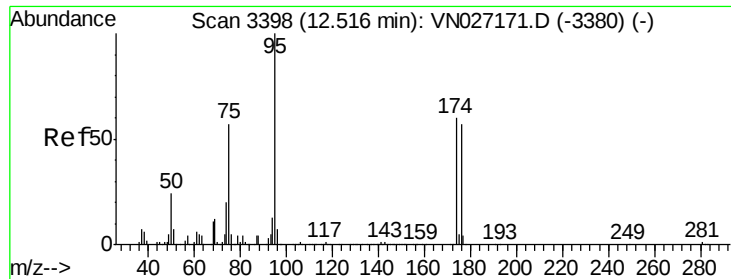
10.20

10.25

10.30

Time-->





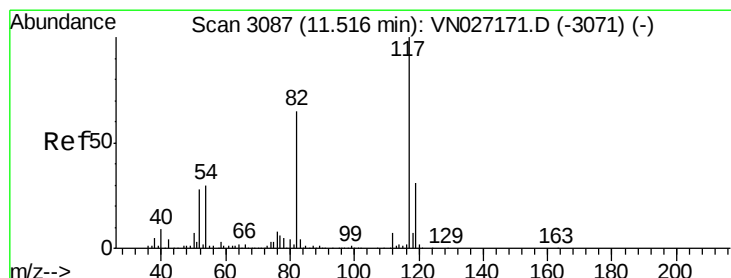
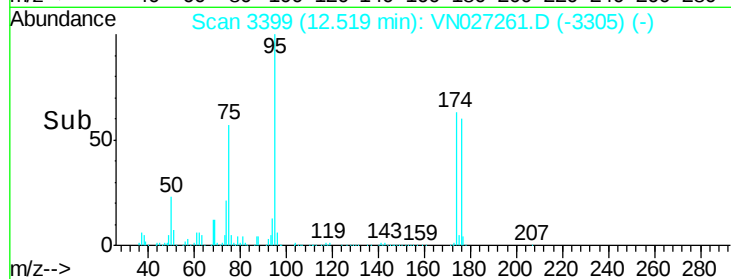
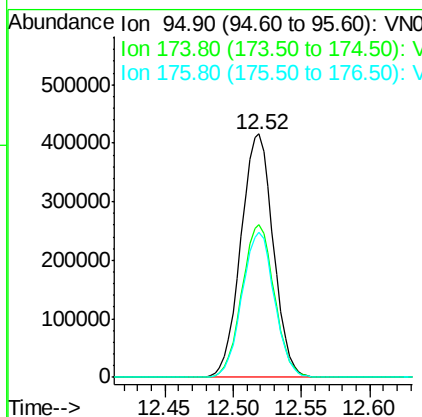
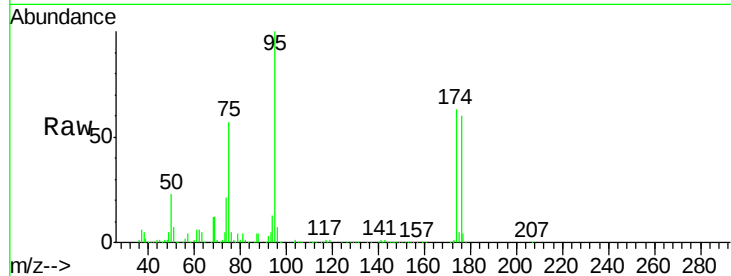
#63
4-Bromofluorobenzene
Concen: 51.80 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027261.D
Acq: 17 Sep 2015 17:59

Instrument :
MSVOA_N
ClientSampleId :
MW-6-9-15-15

Tot Ion	Ratio	Resp	Lower	Upper
95	100	684497		
174	63.0	0.0	137.0	
176	59.6	0.0	130.8	

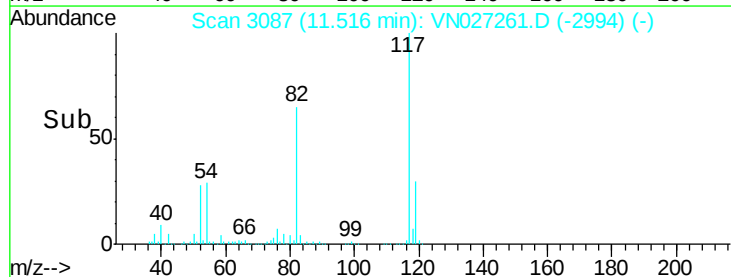
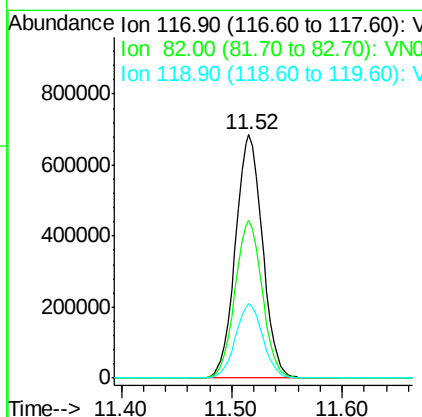
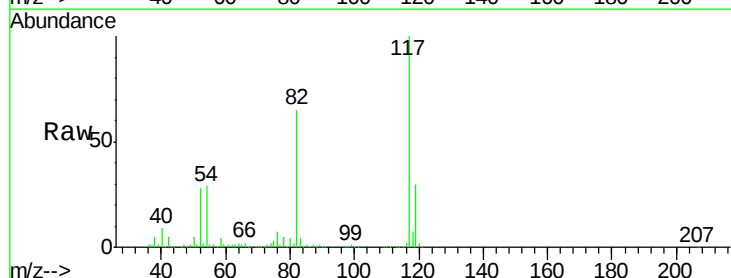
Manual Integrations
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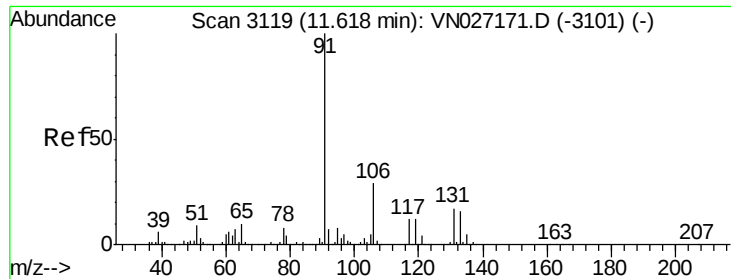
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#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027261.D
Acq: 17 Sep 2015 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1161068		
82	64.7	49.6	74.4	
119	30.4	24.6	36.8	





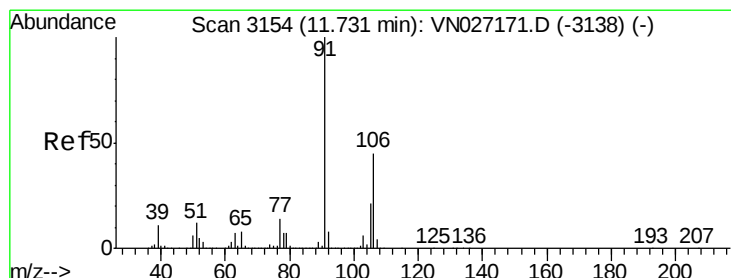
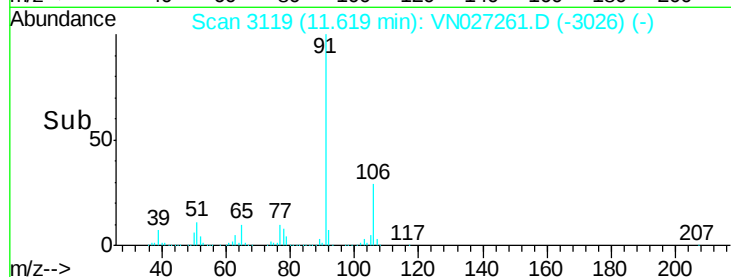
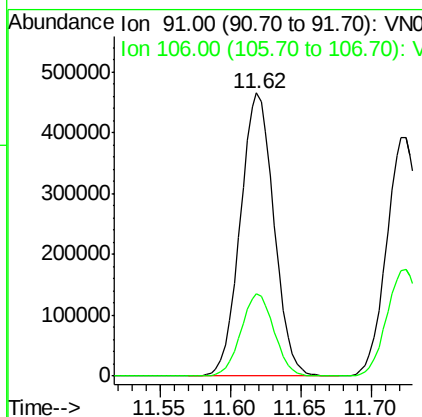
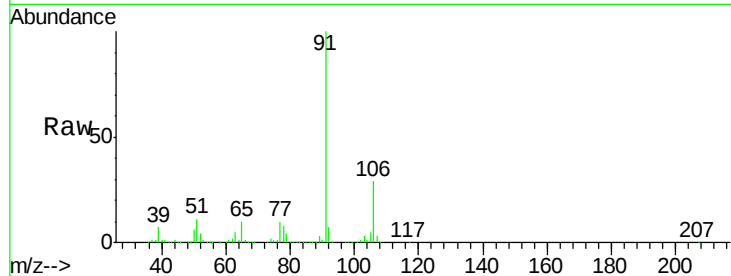
#68
Ethyl Benzene
Concen: 14.91 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. 0.00 min
Lab File: VN027261.D
Acq: 17 Sep 2015 17:59

Instrument :
MSVOA_N
ClientSampleId :
MW-6-9-15-15

Tot Ion: 91 Resp: 774778
Ion Ratio Lower Upper
91 100
106 29.3 23.1 34.7

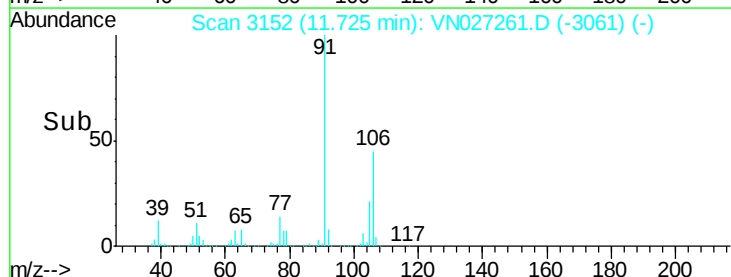
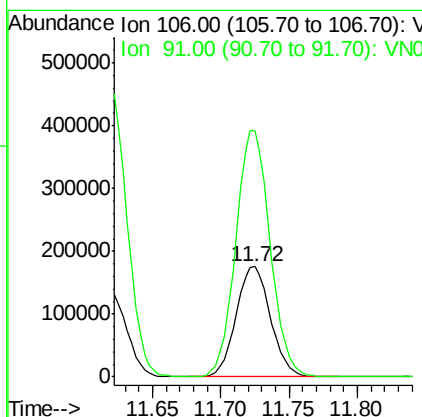
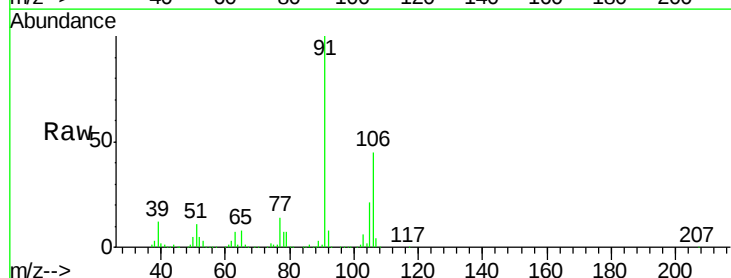
Manual Integrations
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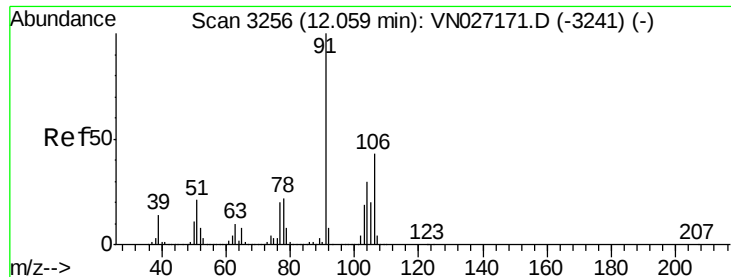
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#69
m/p-Xylenes
Concen: 17.09 ug/l
RT: 11.72 min Scan# 3152
Delta R.T. -0.01 min
Lab File: VN027261.D
Acq: 17 Sep 2015 17:59

Tgt Ion: 106 Resp: 306433
Ion Ratio Lower Upper
106 100
91 223.4 167.1 250.7





#70

o-Xylene

Concen: 15.25 ug/l

RT: 12.06 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN027261.D

Acq: 17 Sep 2015 17:59

Instrument :

MSVOA_N

ClientSampled :

MW-6-9-15-15

Tot Ion:106 Resp: 274074

Ion Ratio Lower Upper

106 100

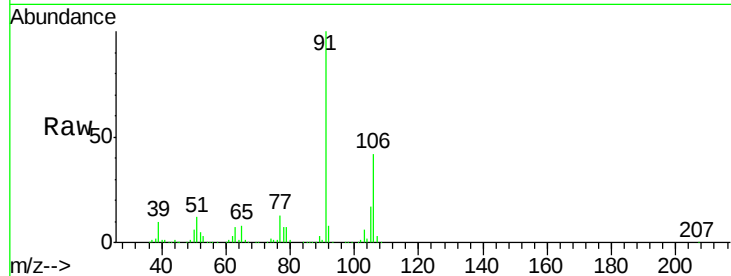
91 235.5 110.7 331.9

Manual Integrations

APPROVED

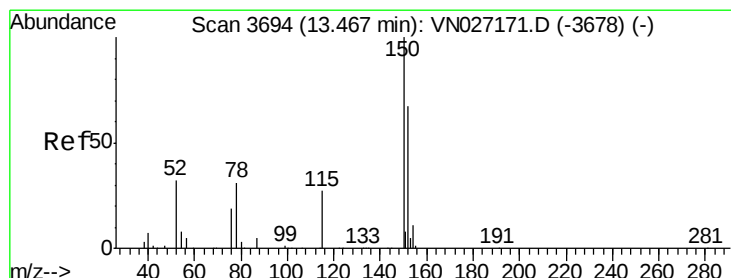
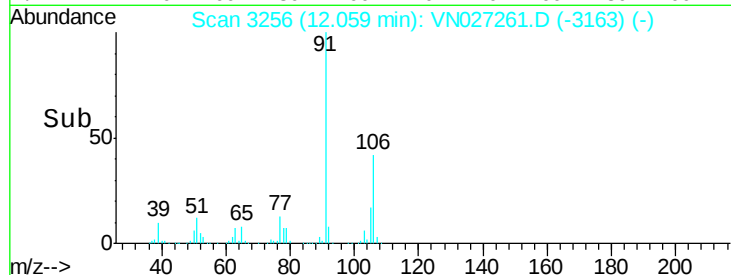
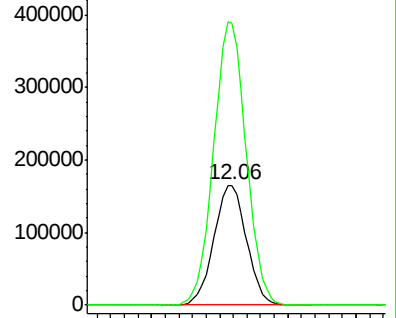
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Abundance Ion 106.00 (105.70 to 106.70): V

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: VN027261.D

Acq: 17 Sep 2015 17:59

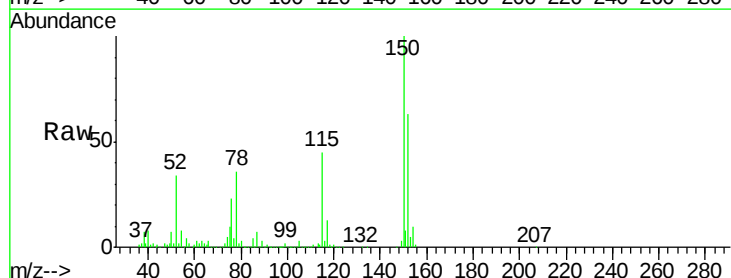
Tgt Ion:152 Resp: 437681

Ion Ratio Lower Upper

152 100

115 76.9 30.8 92.3

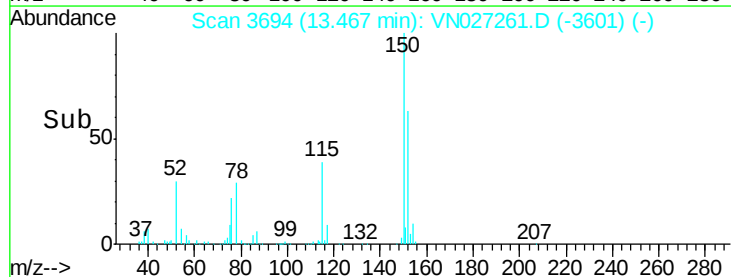
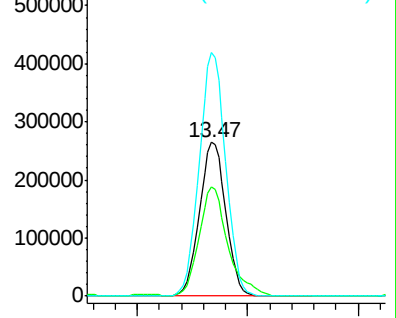
150 158.5 0.0 345.0

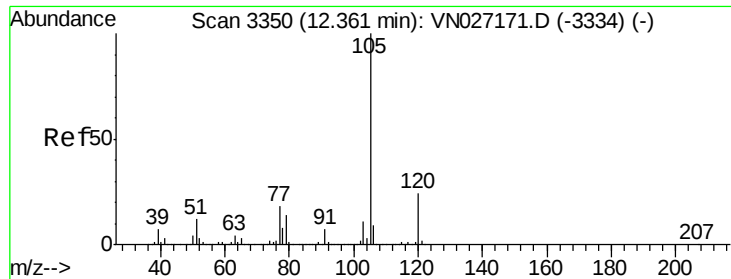


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

Isopropylbenzene

Concen: 1.75 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027261.D

Acq: 17 Sep 2015 17:59

Instrument :

MSVOA_N

ClientSampleId :

MW-6-9-15-15

Tot Ion:105 Resp: 84363

Ion Ratio Lower Upper

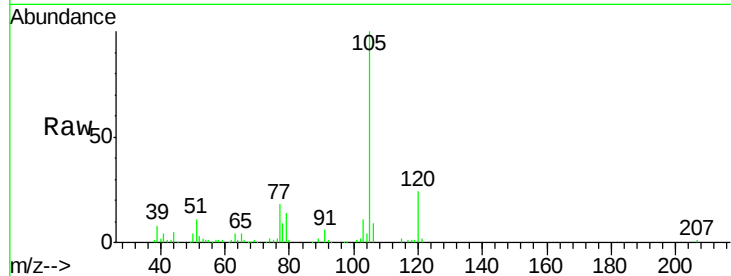
105 100

120 24.0 12.4 37.2

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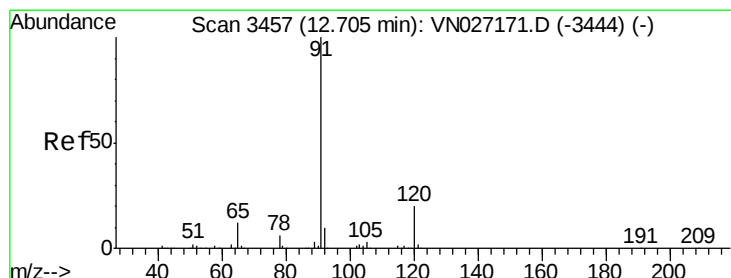
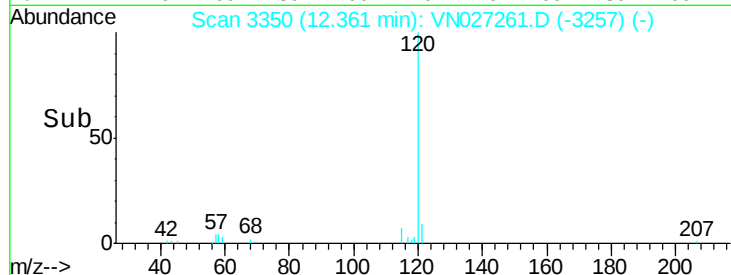
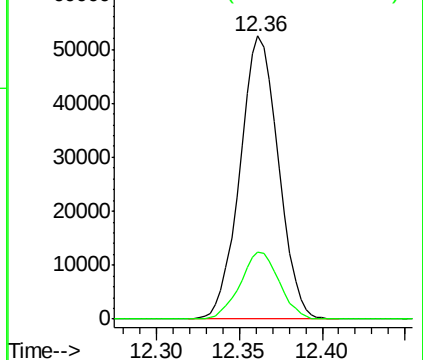
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#79

n-propylbenzene

Concen: 2.96 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027261.D

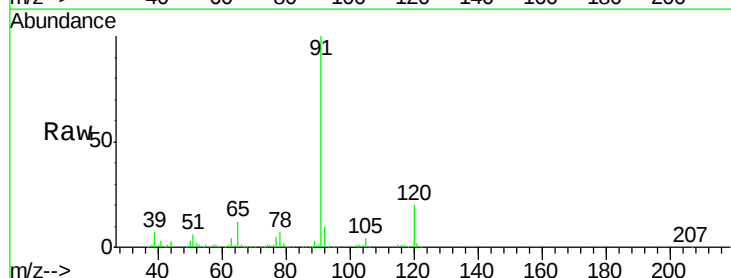
Acq: 17 Sep 2015 17:59

Tgt Ion: 91 Resp: 168097

Ion Ratio Lower Upper

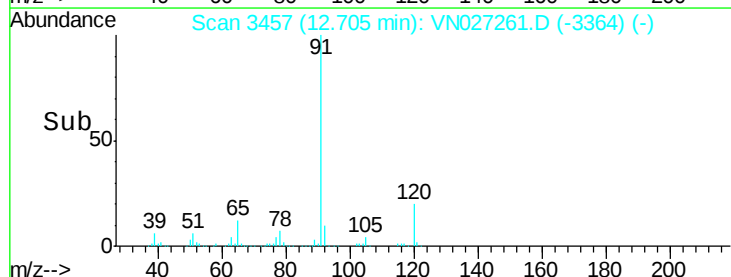
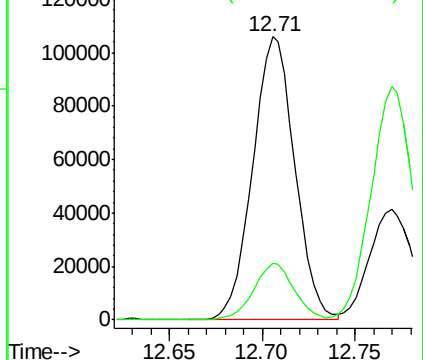
91 100

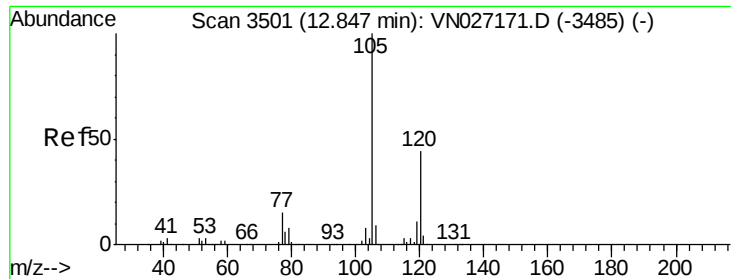
120 19.3 10.3 30.8



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: 6.60 ug/l

RT: 12.85 min Scan# 3501

Delta R.T. 0.00 min

Lab File: VN027261.D

Acq: 17 Sep 2015 17:59

Instrument :

MSVOA_N

ClientSampleId :

MW-6-9-15-15

Tot Ion:105 Resp: 255720

Ion Ratio Lower Upper

105 100

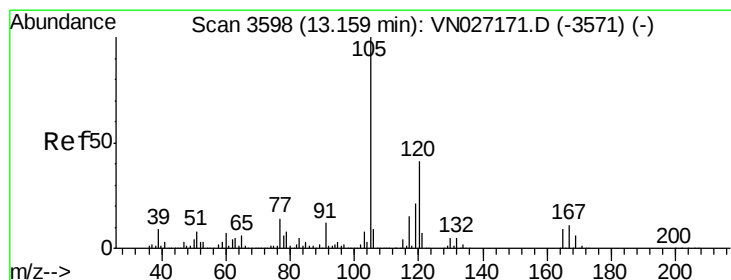
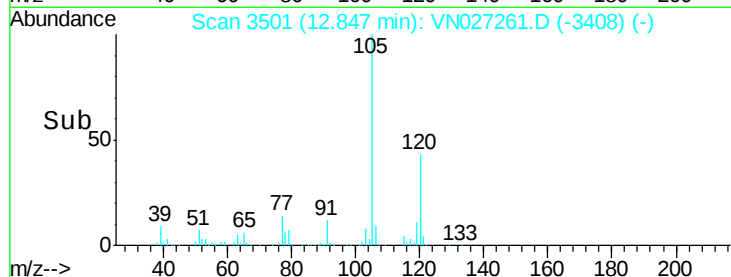
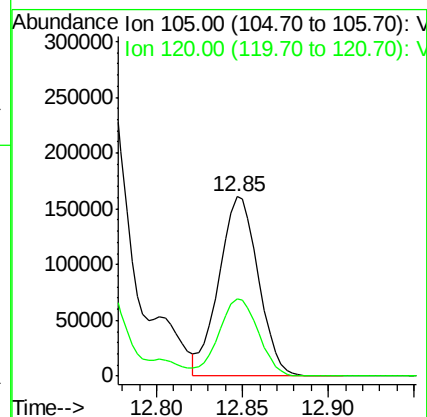
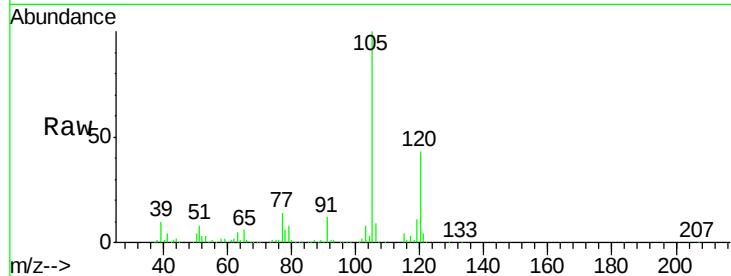
120 43.6 23.4 70.0

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#85

1,2,4-Trimethylbenzene

Concen: 37.56 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN027261.D

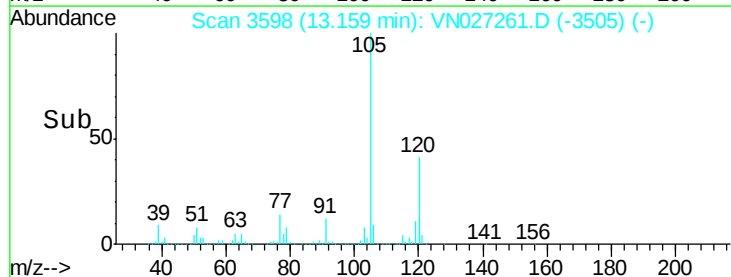
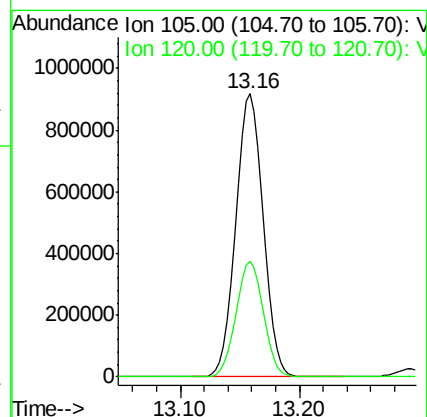
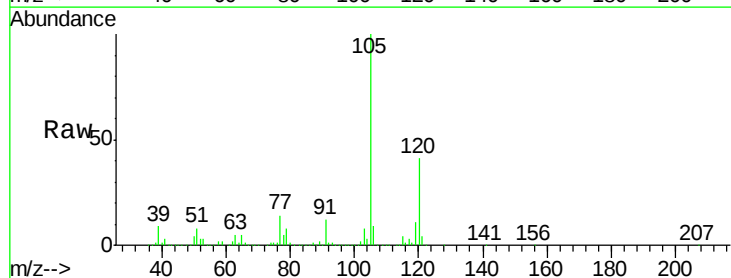
Acq: 17 Sep 2015 17:59

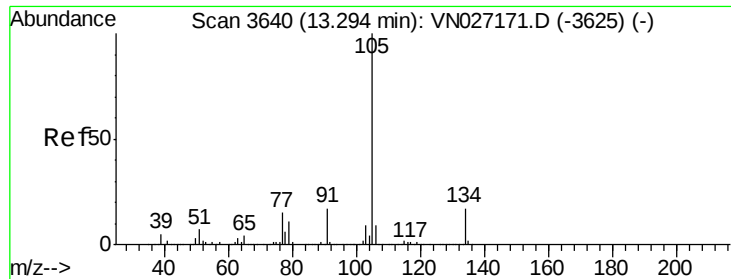
Tgt Ion:105 Resp: 1461763

Ion Ratio Lower Upper

105 100

120 40.7 21.9 65.5





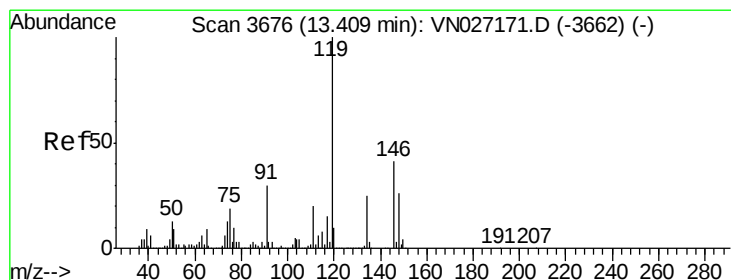
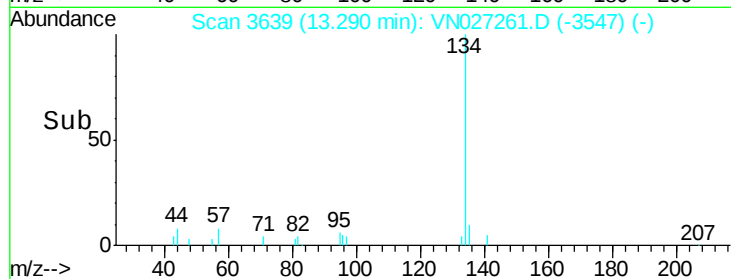
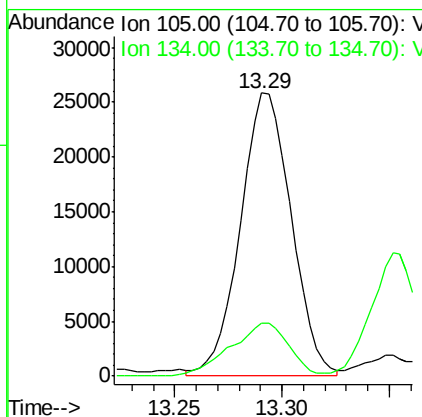
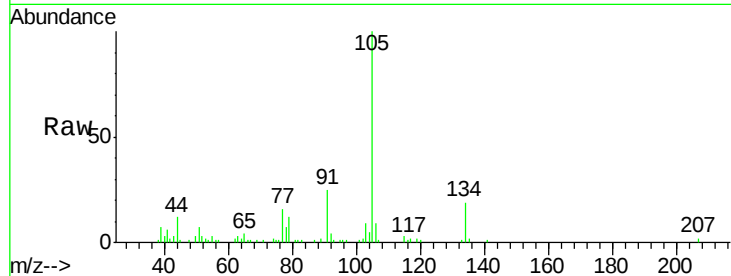
#86
 sec-Butylbenzene
 Concen: 0.91 ug/l m
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN027261.D
 Acq: 17 Sep 2015 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6-9-15-15

Tot Ion	Ratio	Lower	Upper
105	100		
134	0.0	8.8	26.4#

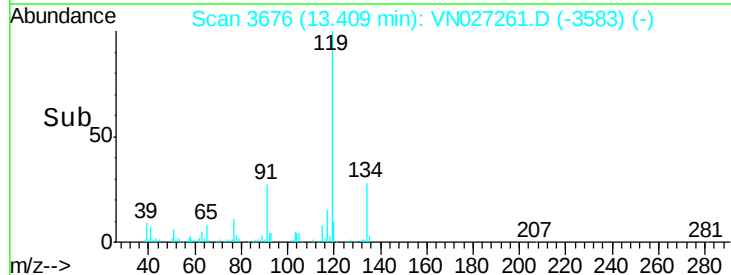
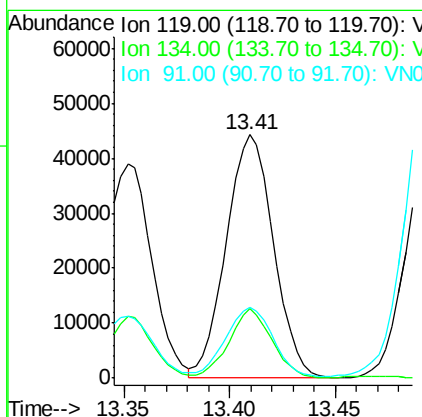
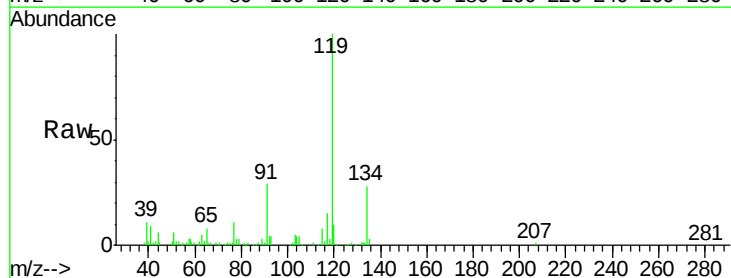
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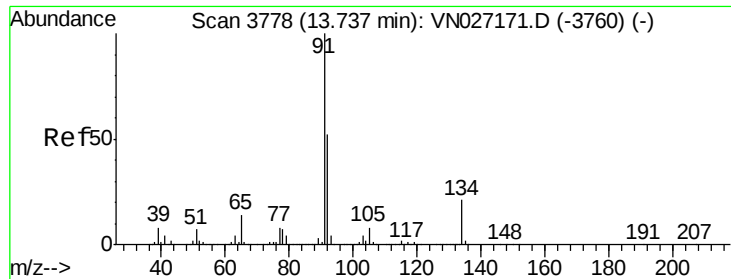
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#87
 p-Isopropyltoluene
 Concen: 1.92 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027261.D
 Acq: 17 Sep 2015 17:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.4	37.0
91	28.3	12.0	36.1





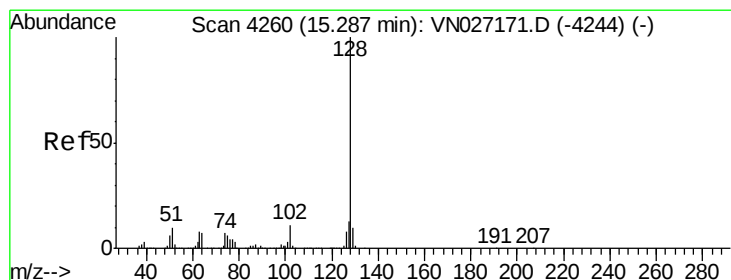
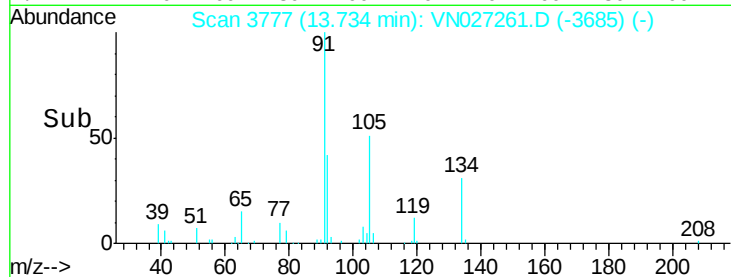
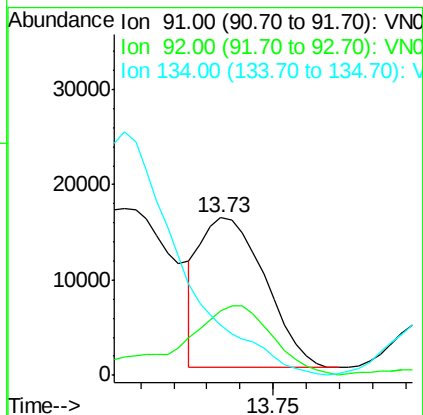
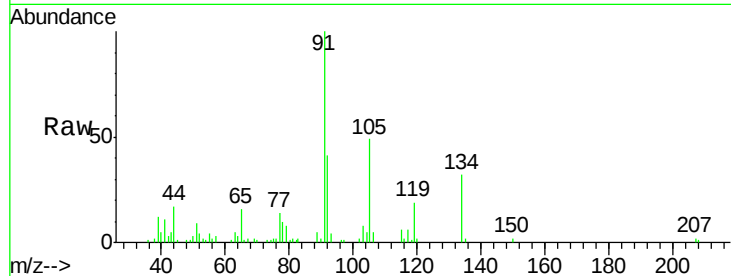
#90
n-Butylbenzene
Concen: 0.61 ug/l
RT: 13.73 min Scan# 3777
Delta R.T. -0.00 min
Lab File: VN027261.D
Acq: 17 Sep 2015 17:59

Instrument :
MSVOA_N
ClientSampleId :
MW-6-9-15-15

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.3	26.1	78.2
134	0.0	11.1	33.1#

Manual Integrations
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#96
Naphthalene
Concen: 1.53 ug/l
RT: 15.29 min Scan# 4260
Delta R.T. 0.00 min
Lab File: VN027261.D
Acq: 17 Sep 2015 17:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.4	15.6
129	8.7	8.6	12.8

