

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049318.D
 Acq On : 16 Jun 2018 19:03
 Operator : MD\SY
 Sample : J3564-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:25 PM

Quant Time: Jun 18 10:04:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1618255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2517795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2181827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	946253	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	1056453	49.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.44%	
35) Dibromofluoromethane	7.59	113	946216	46.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.90%	
50) Toluene-d8	10.09	98	3541125	45.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.32%	
62) 4-Bromofluorobenzene	12.40	95	1101812	42.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.92%	
Target Compounds						
39) Methylcyclohexane	9.08	83	236899	7.65	ug/l	98
73) Isopropylbenzene	12.25	105	1063077	12.80	ug/l	98
78) n-propylbenzene	12.59	91	1832375	20.09	ug/l	99
83) tert-Butylbenzene	12.99	119	76654	1.32	ug/l	91
85) sec-Butylbenzene	13.17	105	627883	8.15	ug/l	79
89) n-Butylbenzene	13.62	91	326736m	6.50	ug/l	

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

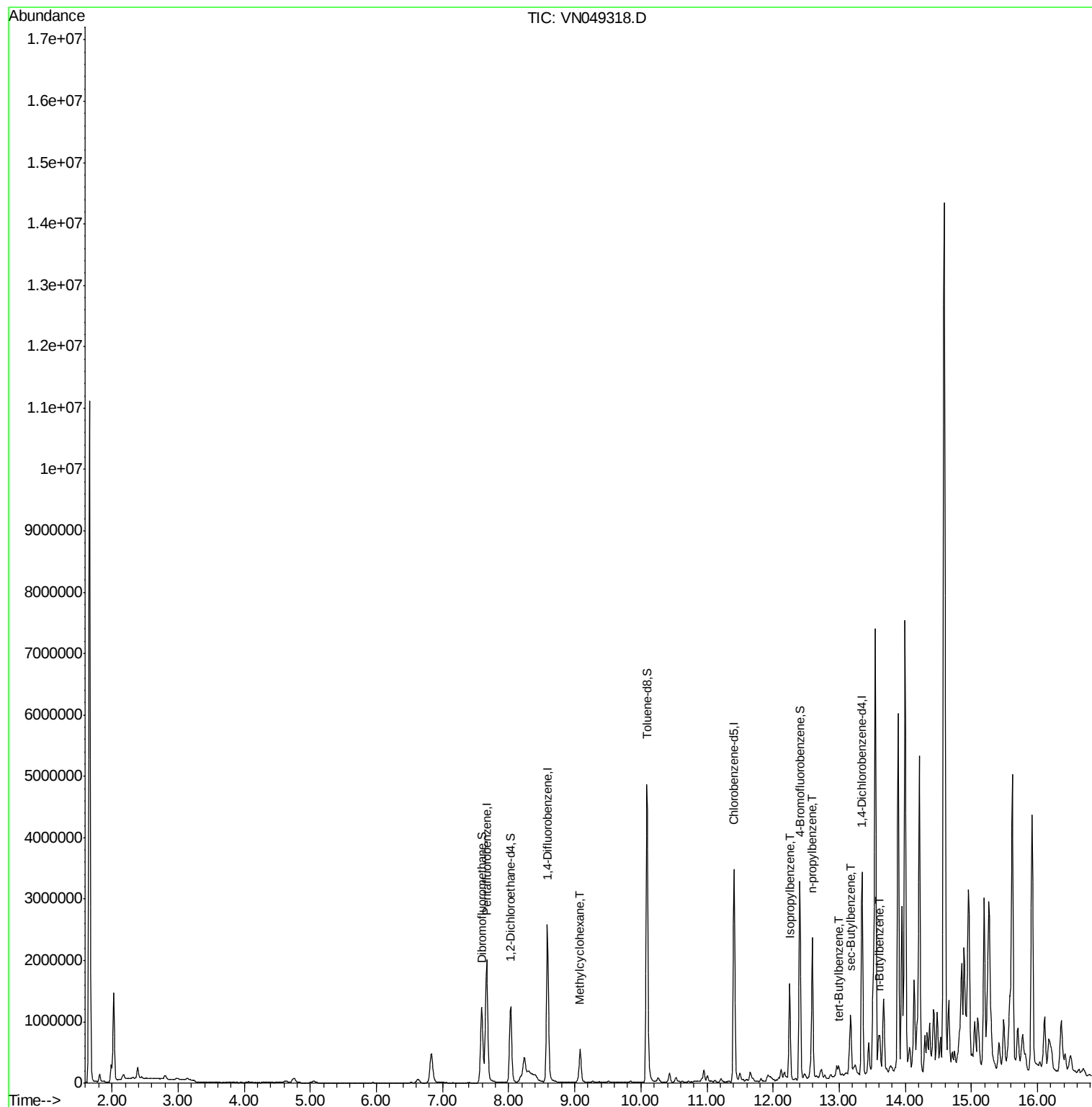
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
Data File : VN049318.D
Acq On : 16 Jun 2018 19:03
Operator : MD\SY
Sample : J3564-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-14

Manual Integrations
APPROVED

MMDadoda
6/18/2018 3:16:25 PM

Quant Time: Jun 18 10:04:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

MW-14

Tot Ion:168 Resp: 1618255

Ion Ratio Lower Upper

168 100

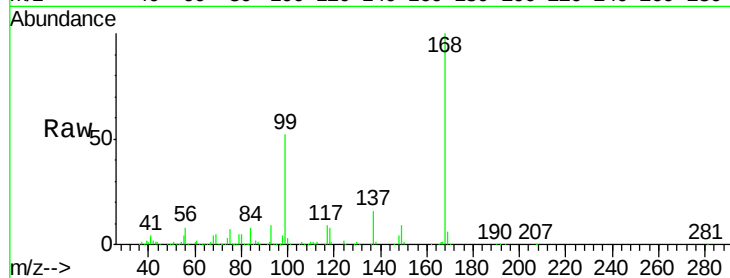
99 51.9 45.8 68.6

Manual Integrations

APPROVED

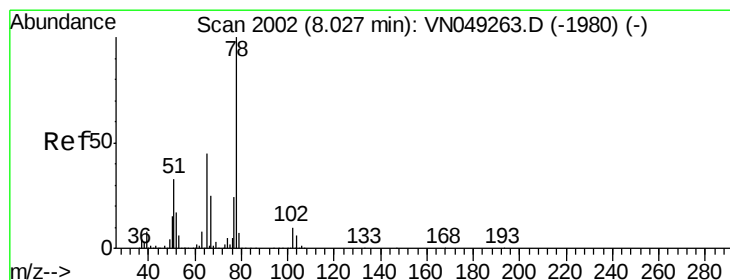
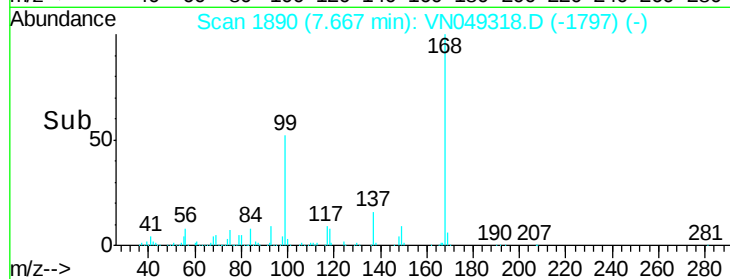
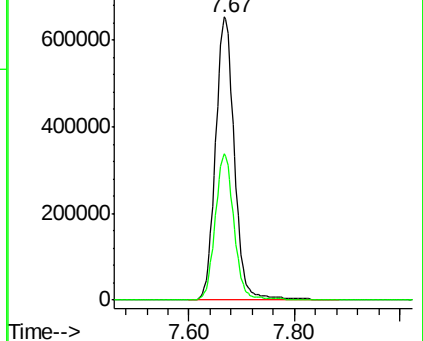
MMDadoda

6/18/2018 3:16:25 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.22 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049318.D

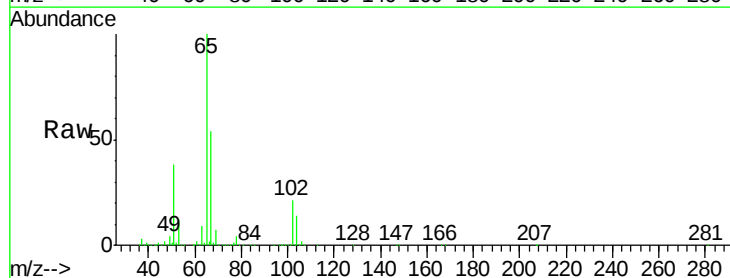
Acq: 16 Jun 2018 19:03

Tgt Ion: 65 Resp: 1056453

Ion Ratio Lower Upper

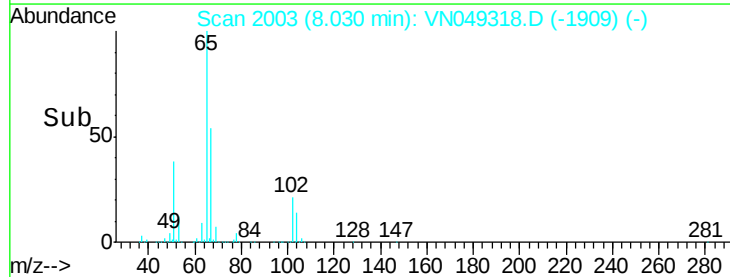
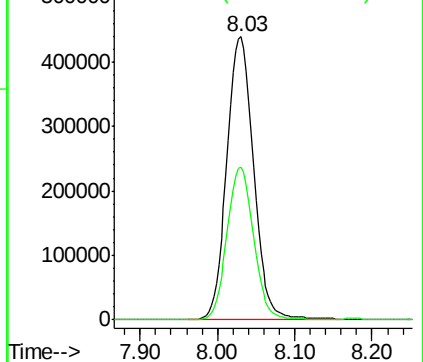
65 100

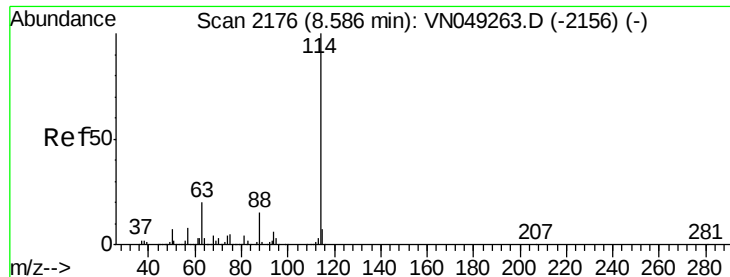
67 53.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

MW-14

Tot Ion:114 Resp: 2517795

Ion Ratio Lower Upper

114 100

63 20.0 0.0 44.4

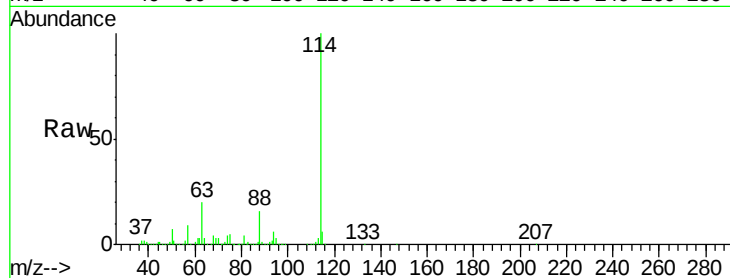
88 15.9 0.0 31.4

Manual Integrations

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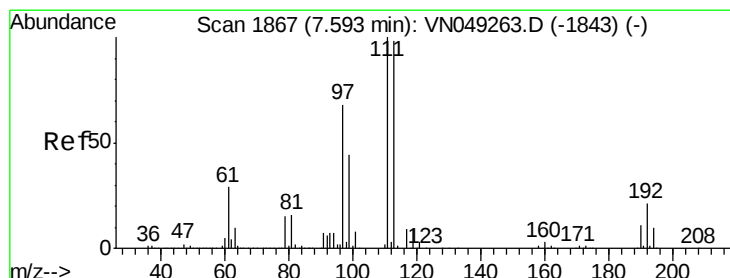
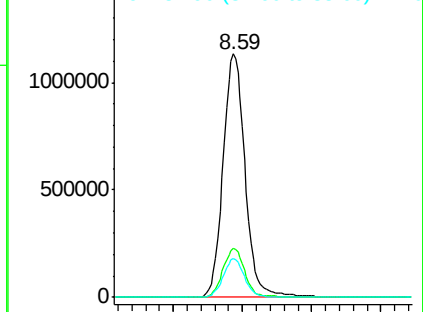
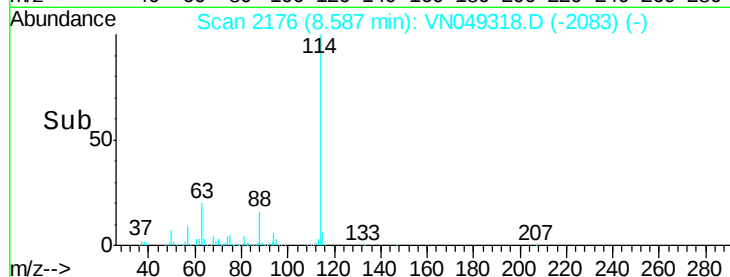
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 46.45 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

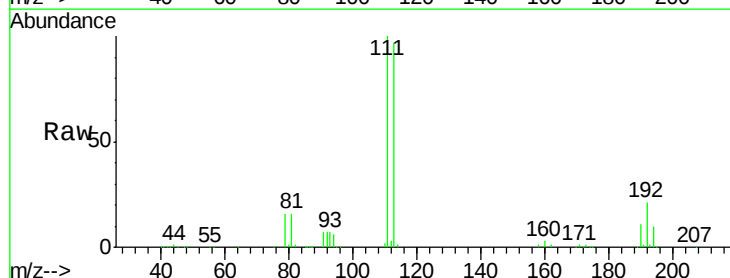
Tgt Ion:113 Resp: 946216

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

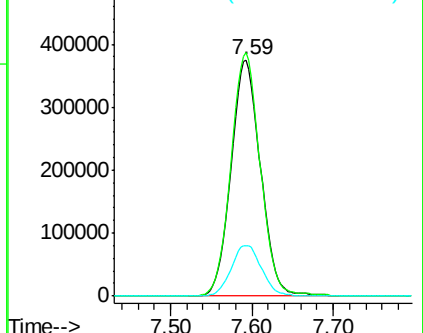
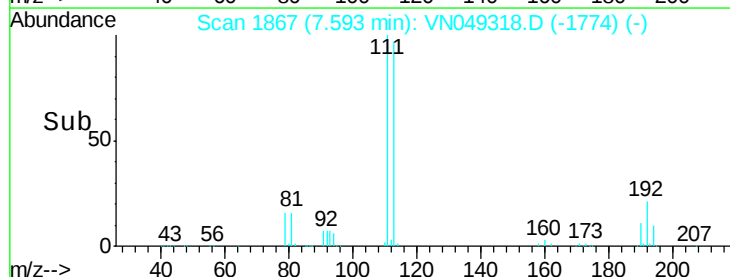
192 22.0 15.0 22.6

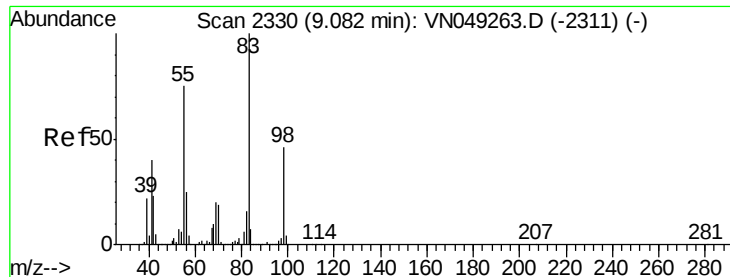


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





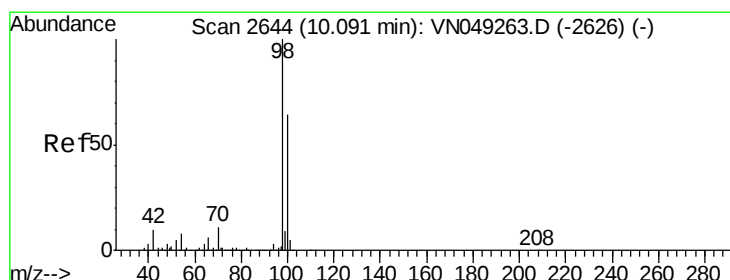
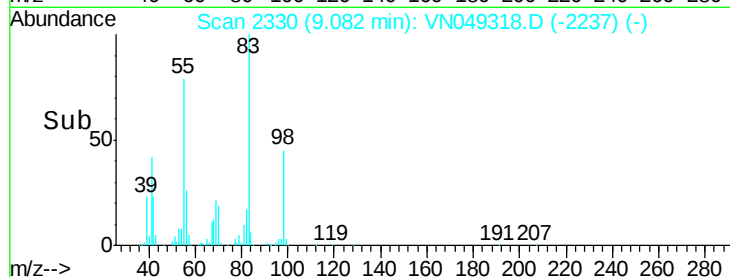
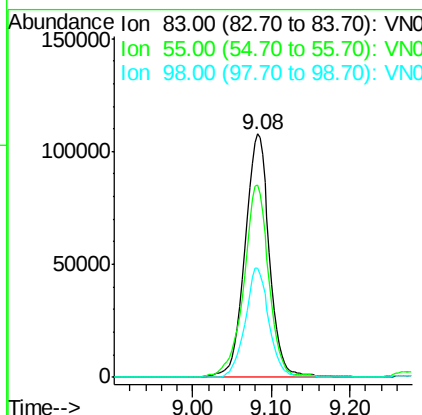
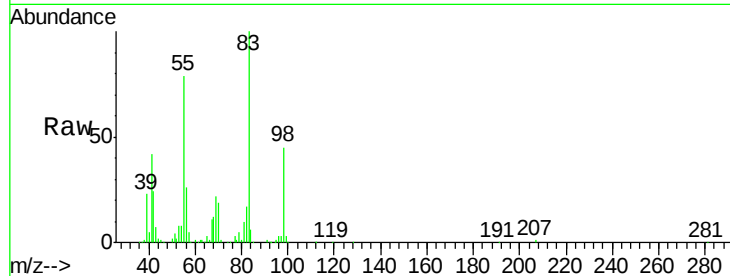
#39
Methylvlcyclohexane
Concen: 7.65 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :
MW-14

Tot Ion	Ratio	Resp	Lower	Upper
83	100	236899		
55	79.0		65.1	97.7
98	44.8		36.5	54.7

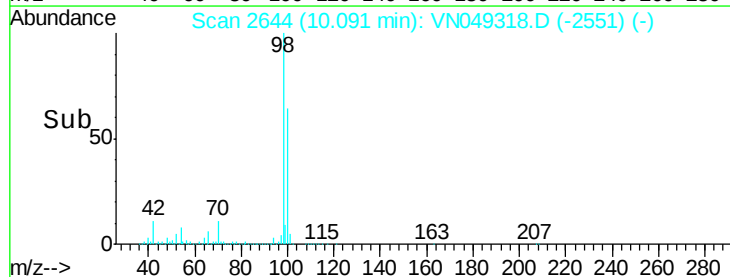
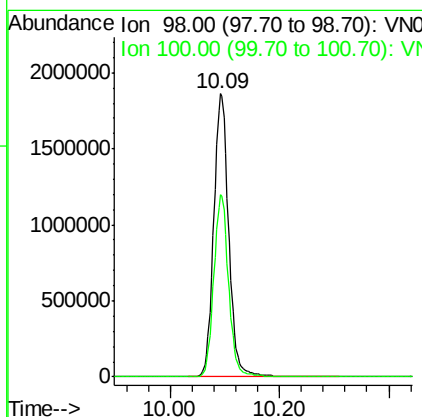
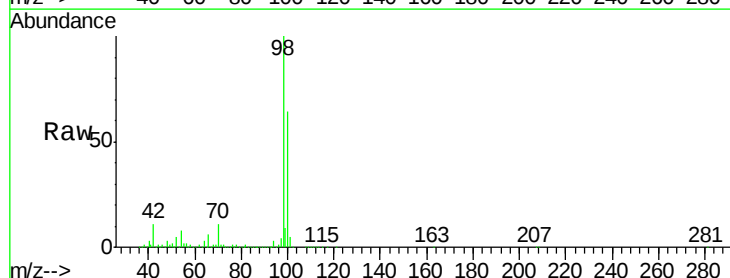
Manual Integrations
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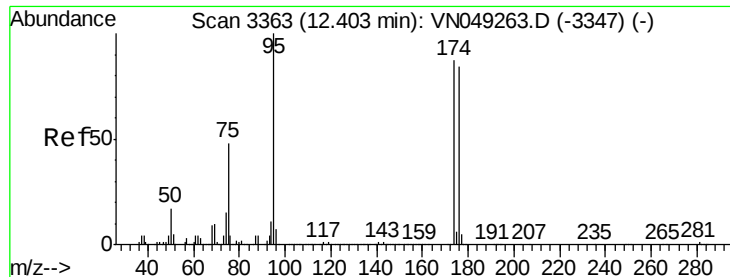
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#50
Toluene-d8
Concen: 45.66 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	3541125		
100	63.6		49.8	74.8





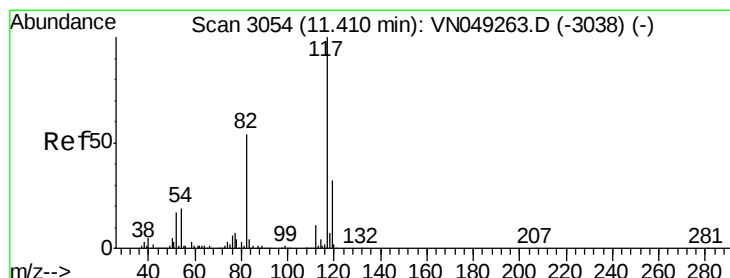
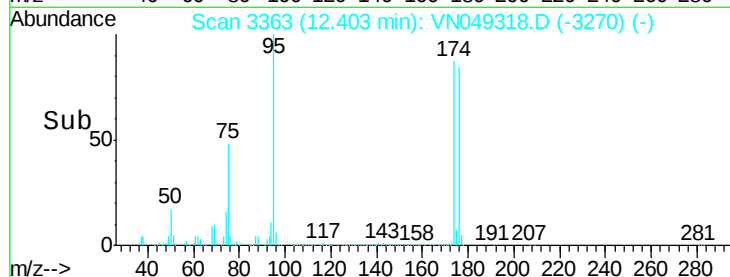
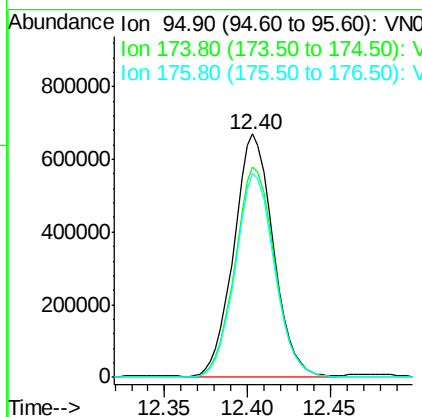
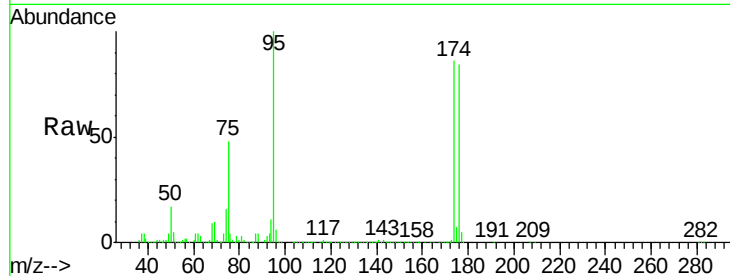
#62
4-Bromofluorobenzene
Concen: 42.96 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

Instrument :
MSVOA_N
ClientSampled :
MW-14

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.0	0.0	165.6
176	84.5	0.0	157.4

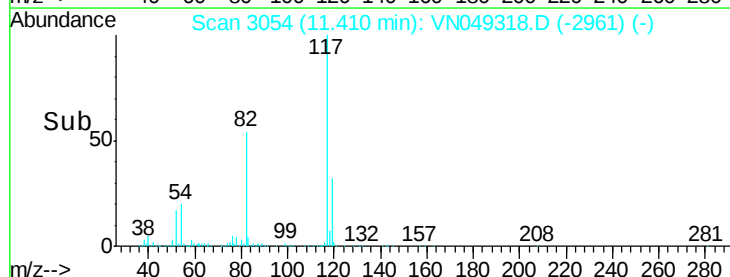
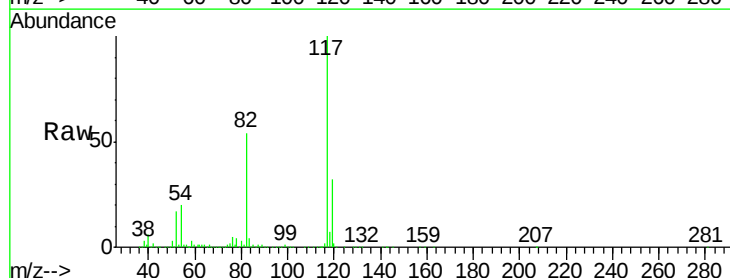
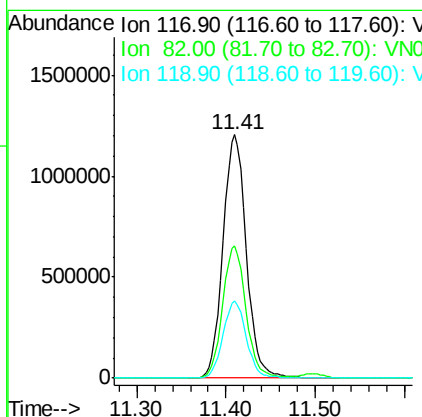
Manual Integrations
APPROVED

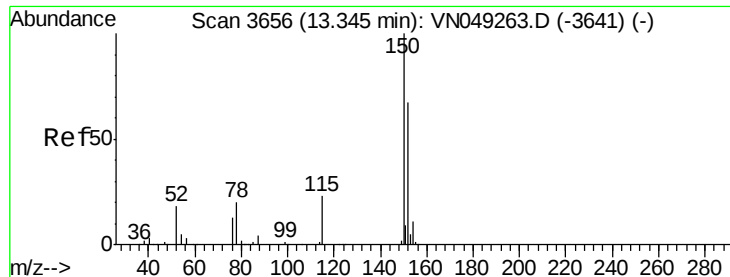
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.9	68.9
119	31.7	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

MW-14

Tot Ion:152 Resp: 946253

Ion Ratio Lower Upper

152 100

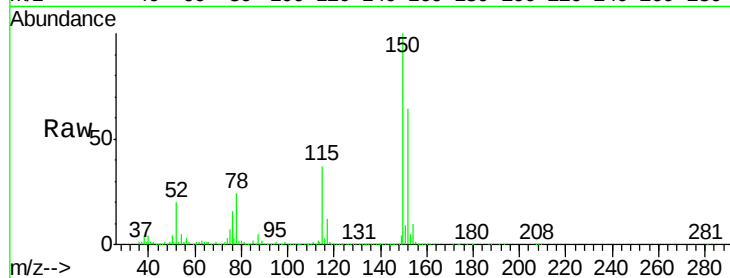
115 57.6 28.7 86.1

150 156.6 0.0 351.0

Manual Integrations
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MMDadoda

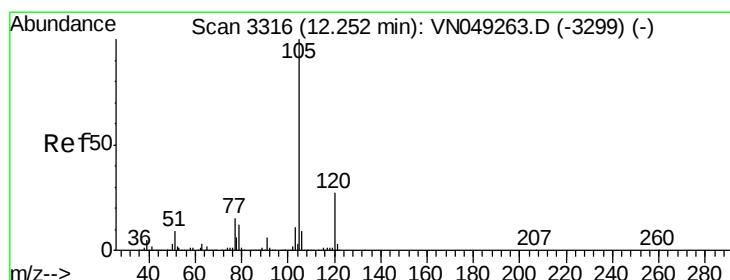
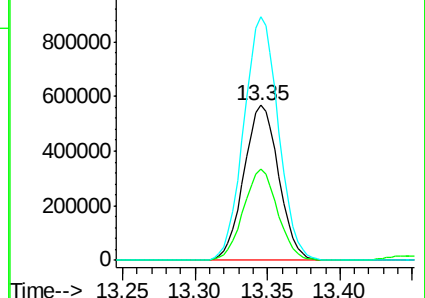
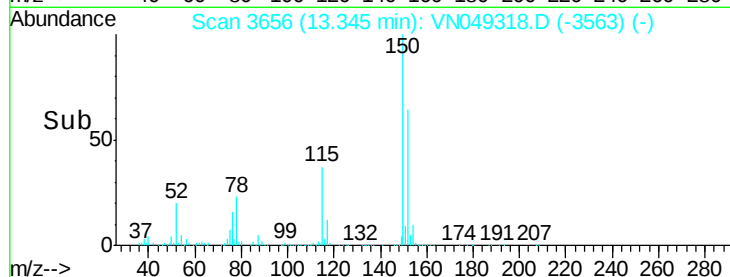
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 12.80 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049318.D

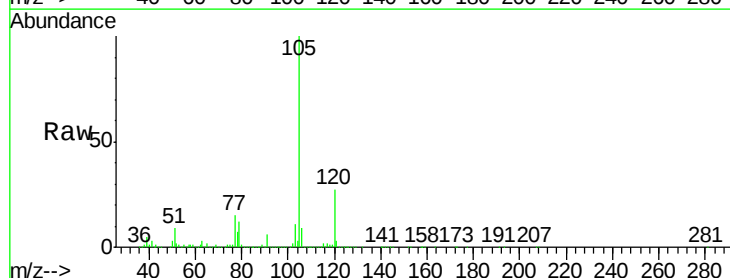
Acq: 16 Jun 2018 19:03

Tgt Ion:105 Resp: 1063077

Ion Ratio Lower Upper

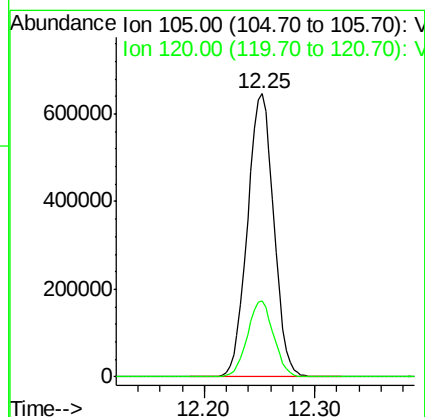
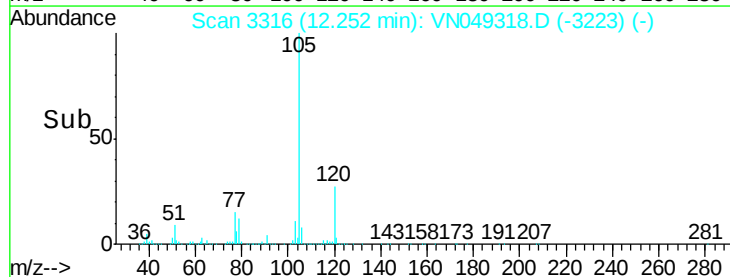
105 100

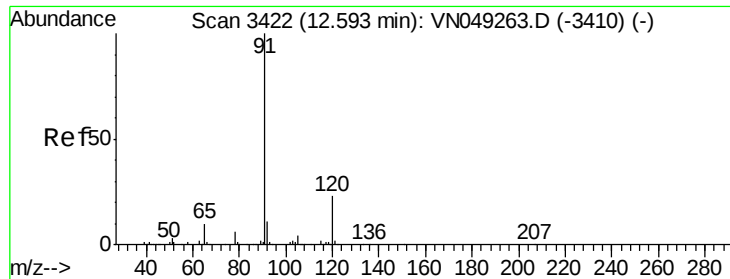
120 26.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 20.09 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampled :

MW-14

Tot Ion: 91 Resp: 1832375

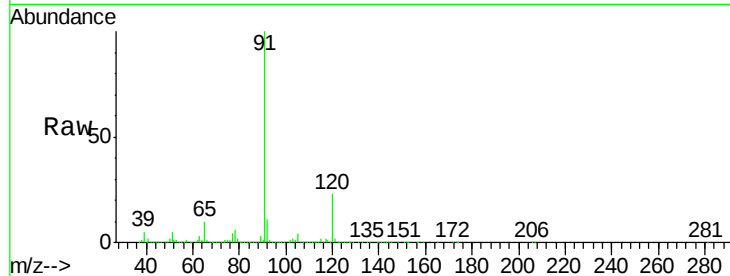
Ion Ratio Lower Upper

91 100

120 22.8 11.2 33.5

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Abundance Ion 91.00 (90.70 to 91.70): VN049318.D (-3429) (-)

Ion 120.00 (119.70 to 120.70): VN049318.D (-3429) (-)

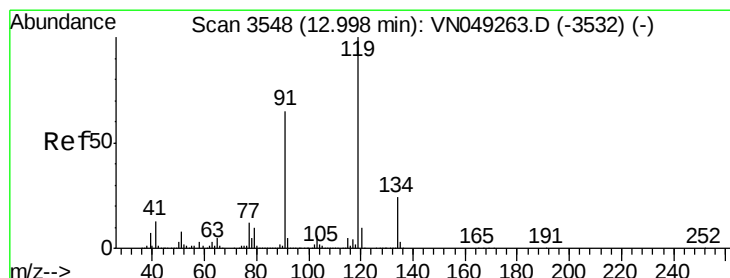
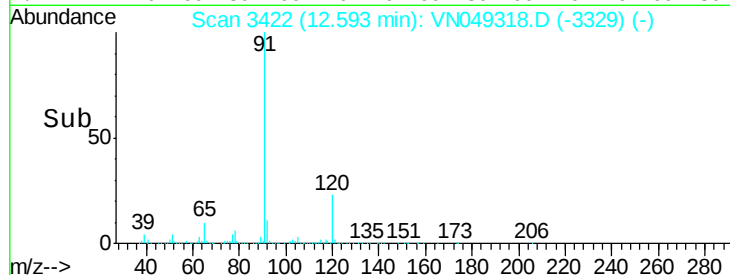
12.59

1000000

500000

0

Time--> 12.50 12.55 12.60 12.65



#83

tert-Butylbenzene

Concen: 1.32 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

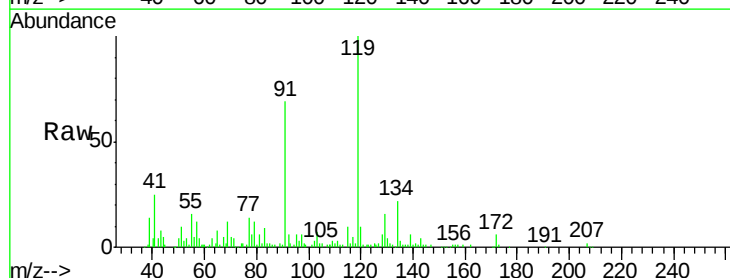
Tgt Ion: 119 Resp: 76654

Ion Ratio Lower Upper

119 100

91 75.5 33.7 101.0

134 23.5 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): VN049318.D (-3547) (-)

Ion 91.00 (90.70 to 91.70): VN049318.D (-3547) (-)

Ion 134.00 (133.70 to 134.70): VN049318.D (-3547) (-)

12.99

60000

50000

40000

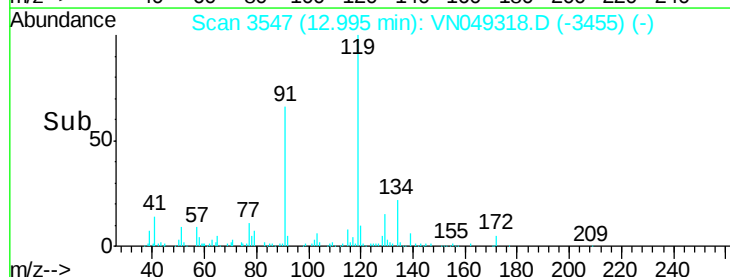
30000

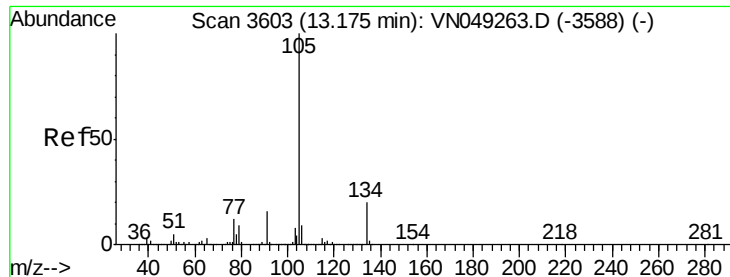
20000

10000

0

Time--> 12.90 12.95 13.00 13.05





#85

sec-Butylbenzene

Concen: 8.15 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampled :

MW-14

Tot Ion: 105 Resp: 627883

Ion Ratio Lower Upper

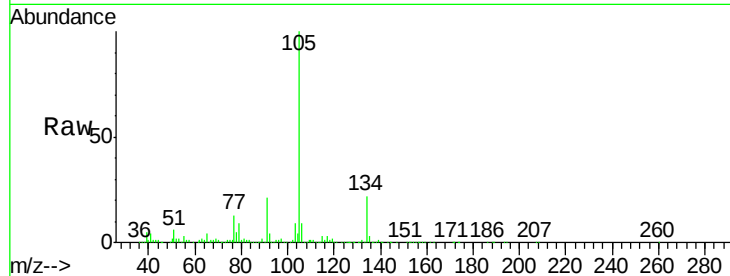
105 100

134 29.0 9.8 29.3

Manual Integrations
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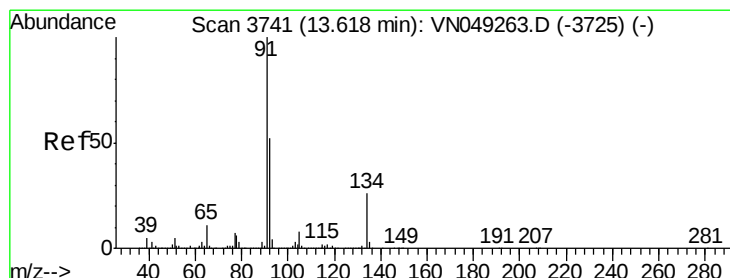
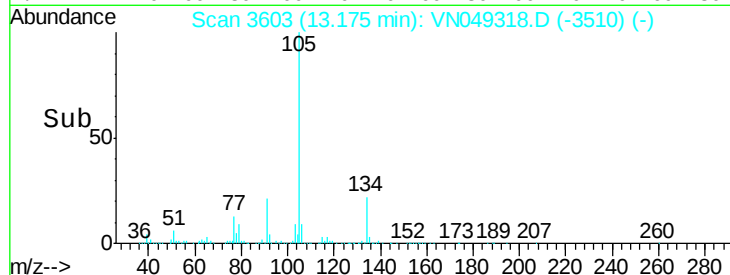
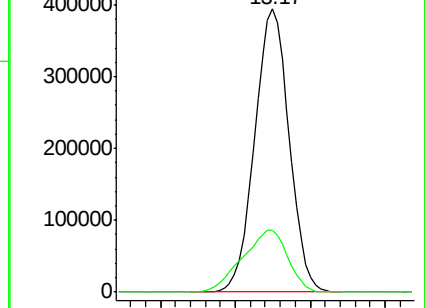
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 6.50 ug/l m

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

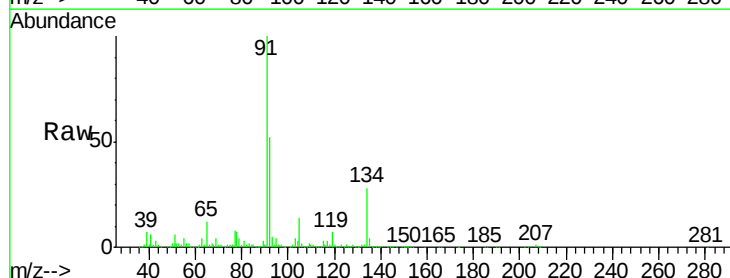
Tgt Ion: 91 Resp: 326736

Ion Ratio Lower Upper

91 100

92 55.0 25.1 75.4

134 53.3 12.0 36.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

