

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
 Data File : VN053029.D
 Acq On : 20 Dec 2018 00:10
 Operator : MD\SY
 Sample : J6411-02 10X
 Misc : 5.65µ/5.0mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 36 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-1B(8-9FT)1218

Manual Integrations
 APPROVED

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 12/20/2018 9:32:56 AM

Quant Time: Dec 20 09:11:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1335114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2017768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1881683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	843911	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	638665	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	7.59	113	524936	56.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.90%	
50) Toluene-d8	10.09	98	2531613	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.40	95	1105033	63.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.24%	
Target Compounds						
73) Isopropylbenzene	12.25	105	2449699	37.100	ug/l	99
78) n-propylbenzene	12.59	91	6311775	83.932	ug/l	100
83) tert-Butylbenzene	12.99	119	521756	10.962	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	26682m	0.493	ug/l	
85) sec-Butylbenzene	13.17	105	3948526	61.331	ug/l #	75
89) n-Butylbenzene	13.62	91	3218950	67.258	ug/l	91

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

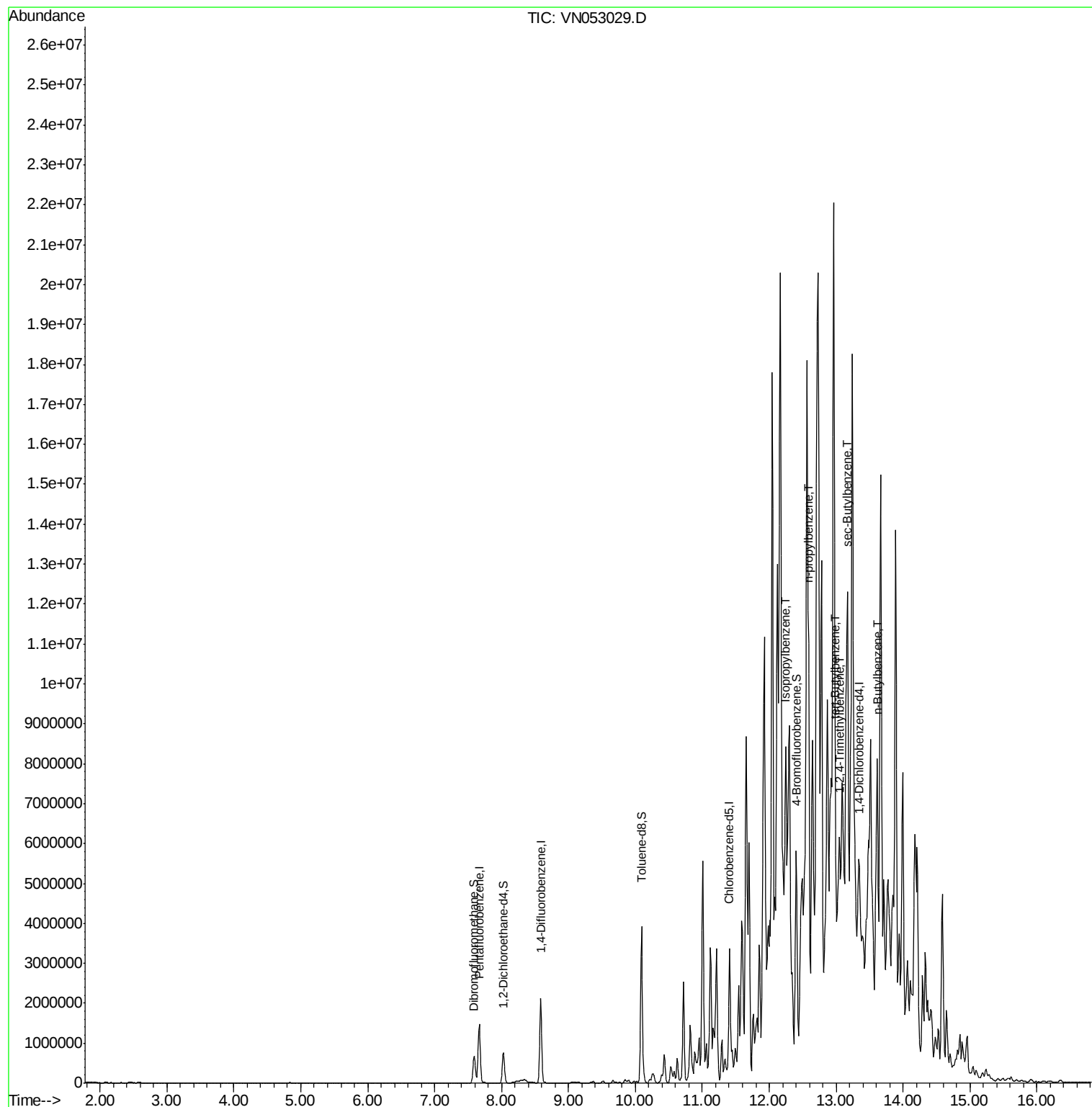
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
Data File : VN053029.D
Acq On : 20 Dec 2018 00:10
Operator : MD\SY
Sample : J6411-02 10X
Misc : 5.65µ/5.0mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 36 Sample Multiplier: 28

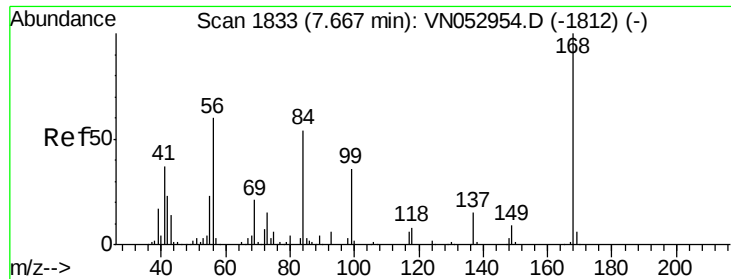
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-1B(8-9FT)1218

Manual Integrations
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12/20/2018 9:32:56 AM

Quant Time: Dec 20 09:11:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053029.D

Acq: 20 Dec 2018 00:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-1B(8-9FT)1218

Tot Ion:168 Resp: 1335114

Ion Ratio Lower Upper

168 100

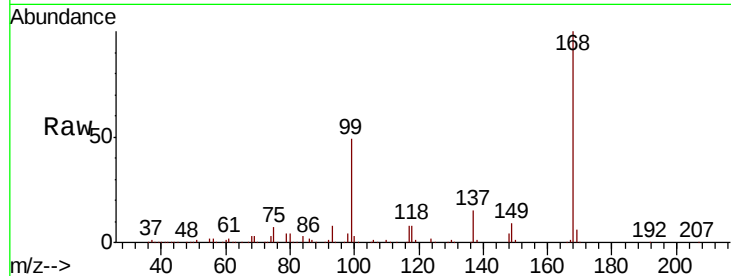
99 48.9 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

500000

400000

300000

200000

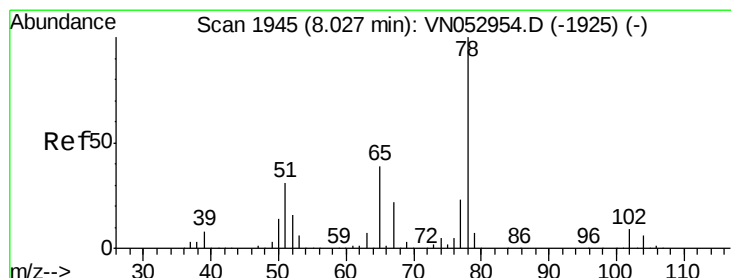
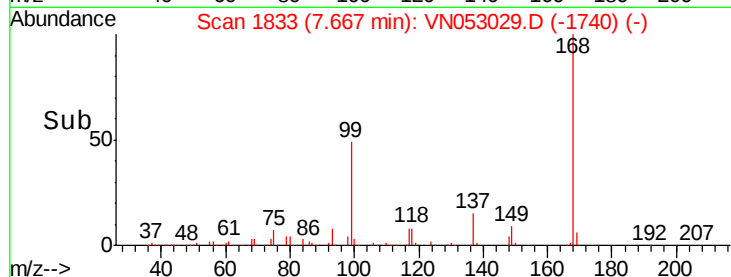
100000

0

7.67

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053029.D

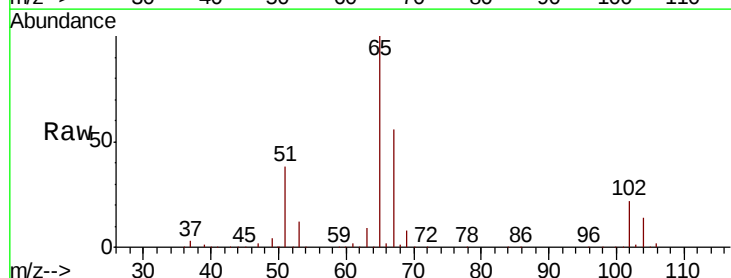
Acq: 20 Dec 2018 00:10

Tgt Ion: 65 Resp: 638665

Ion Ratio Lower Upper

65 100

67 54.4 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

300000

250000

200000

150000

100000

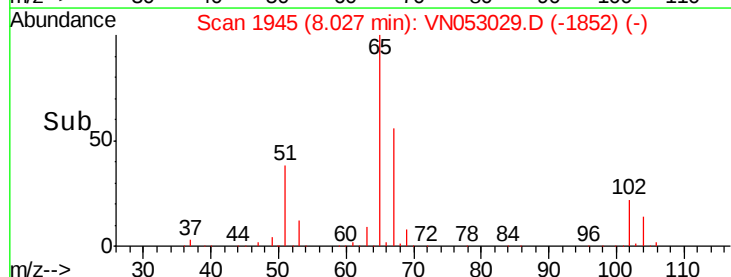
50000

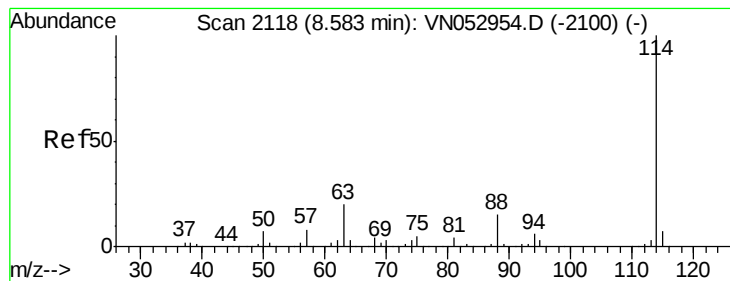
0

8.03

7.90 8.00 8.10 8.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053029.D

Acq: 20 Dec 2018 00:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-1B(8-9FT)1218

Tot Ion:114 Resp: 2017768

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

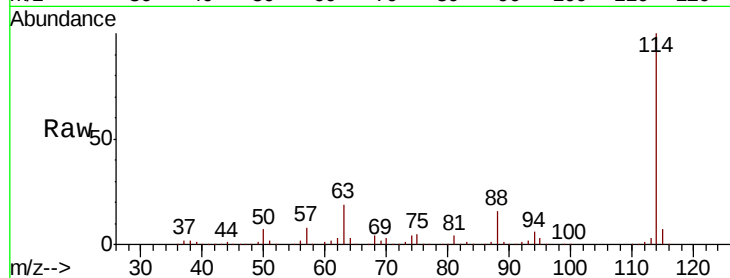
88 15.6 0.0 31.0

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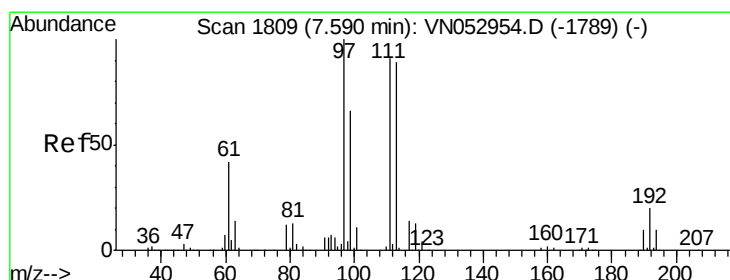
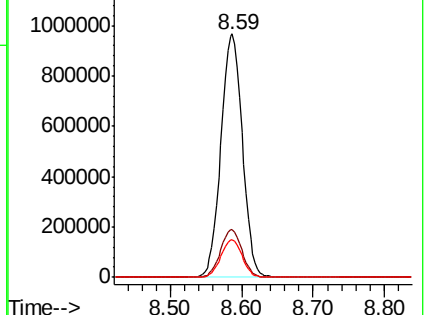
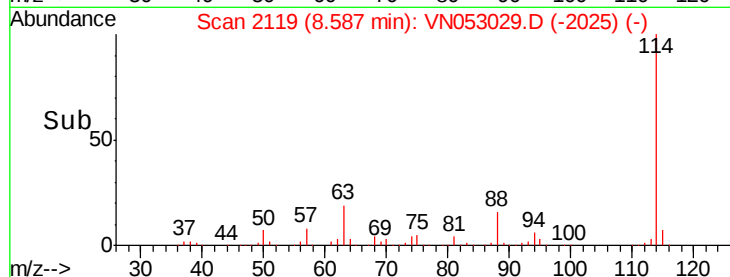
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053029.D

Acq: 20 Dec 2018 00:10

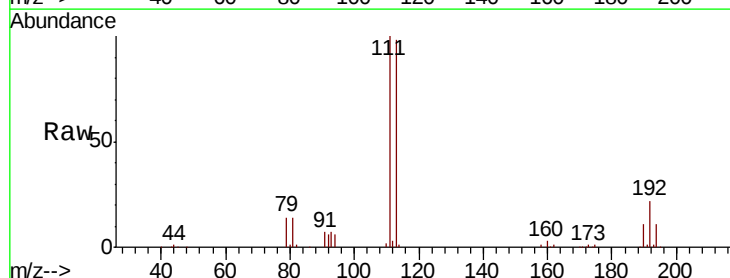
Tgt Ion:113 Resp: 524936

Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.4

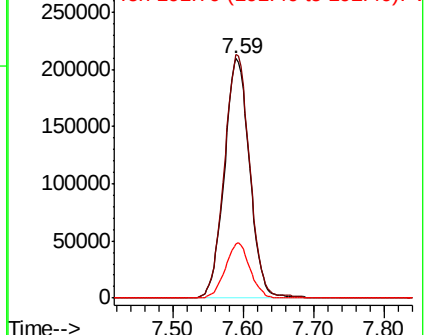
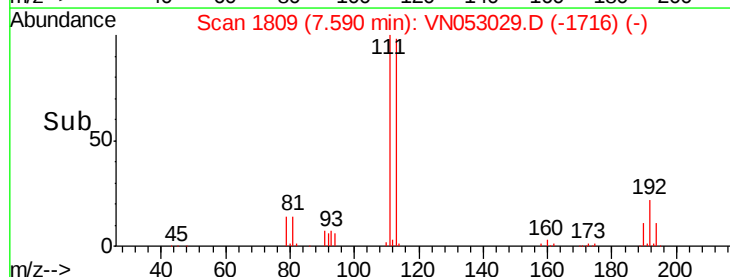
192 22.3 17.5 26.3

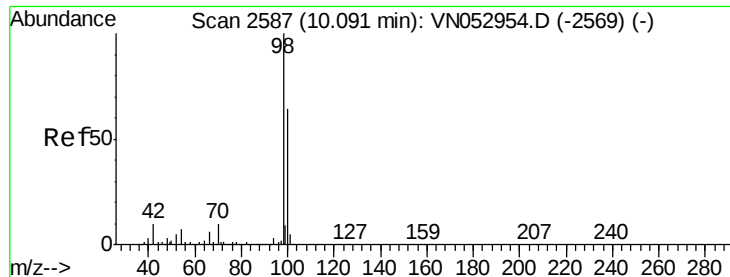


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053029.D

Acq: 20 Dec 2018 00:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-1B(8-9FT)1218

Tot Ion: 98 Resp: 2531613

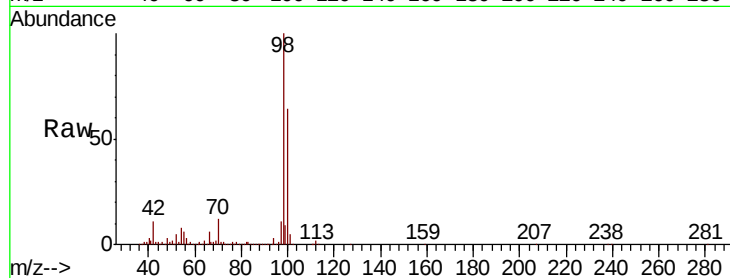
Ion Ratio Lower Upper

98 100

100 63.7 51.6 77.4

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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1500000

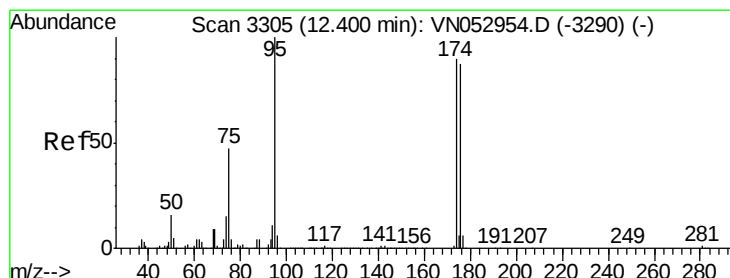
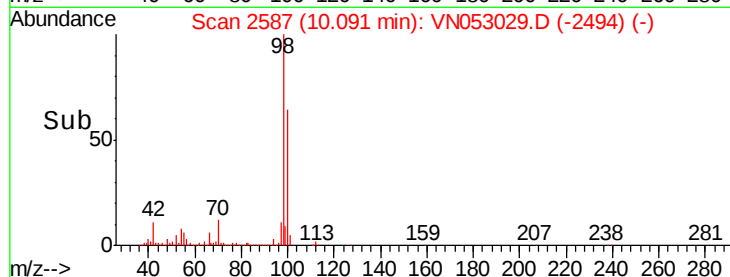
1000000

500000

0

10.00 10.10 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053029.D

Acq: 20 Dec 2018 00:10

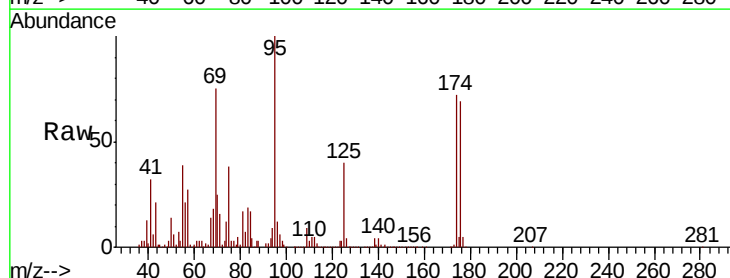
Tgt Ion: 95 Resp: 1105033

Ion Ratio Lower Upper

95 100

174 70.2 0.0 178.8

176 68.3 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

800000

600000

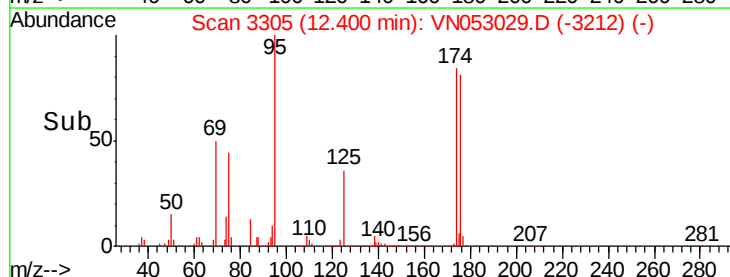
400000

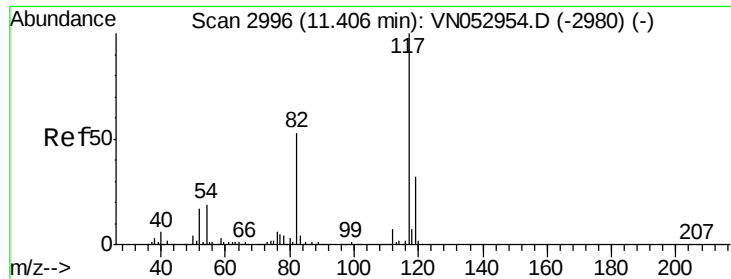
200000

0

12.35 12.40 12.45

Time-->





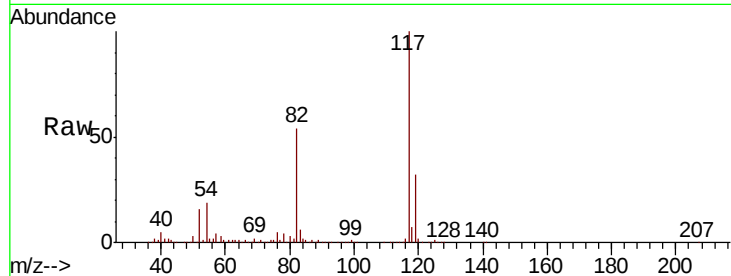
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053029.D
Acq: 20 Dec 2018 00:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-1B(8-9FT)1218

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	42.8	64.2
119	32.0	25.5	38.3

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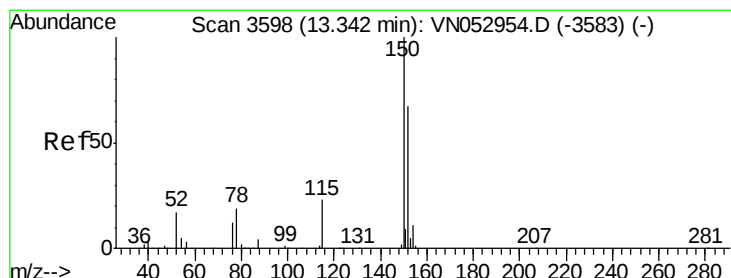
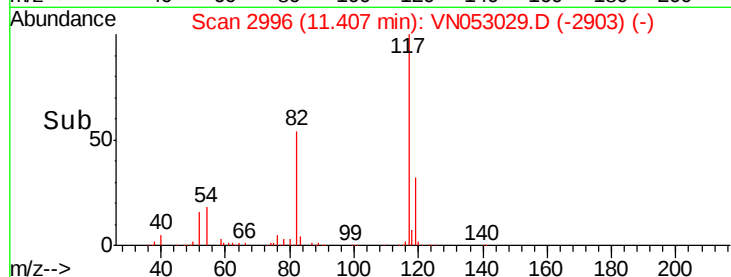
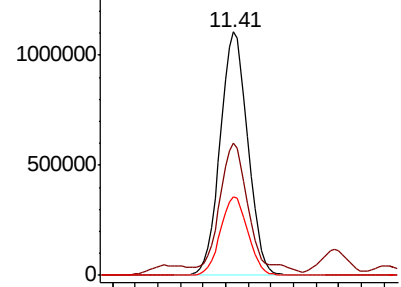


Abundance

Ion 116.90 (116.60 to 117.60): V

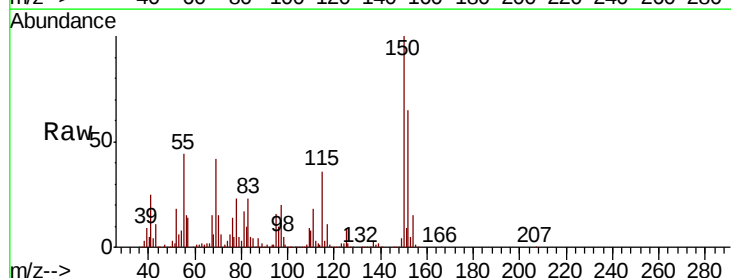
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053029.D
Acq: 20 Dec 2018 00:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.1	28.3	85.0
150	140.9	0.0	347.8

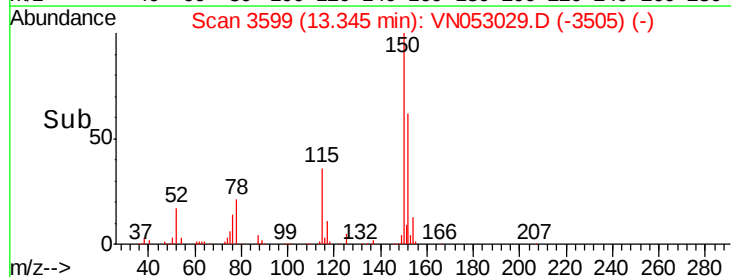
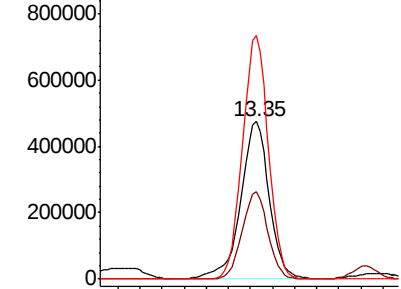


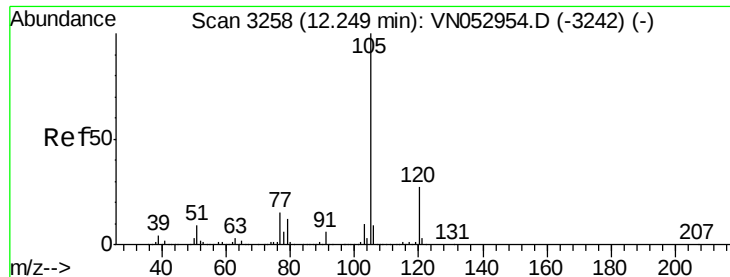
Abundance

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: 37.100 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053029.D

Acq: 20 Dec 2018 00:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-1B(8-9FT)1218

Tot Ion:105 Resp: 2449699

Ion Ratio Lower Upper

105 100

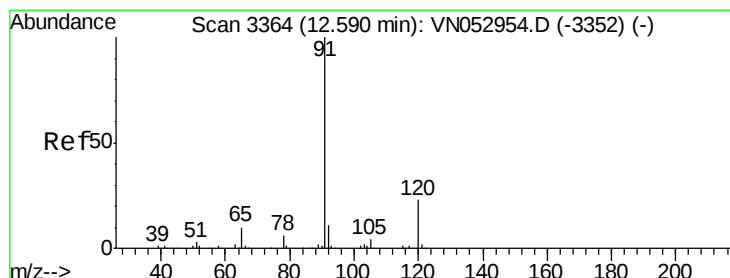
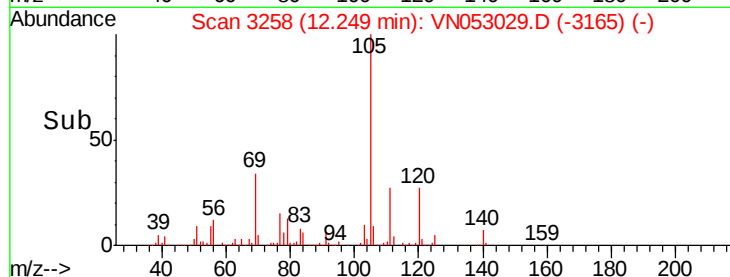
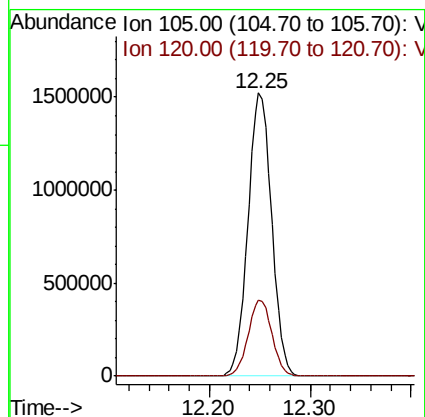
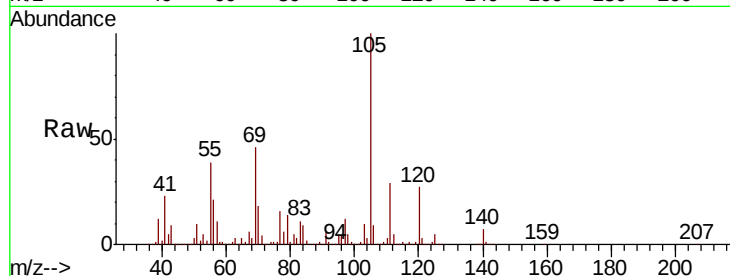
120 26.9 13.3 39.9

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#78

n-propylbenzene

Concen: 83.932 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053029.D

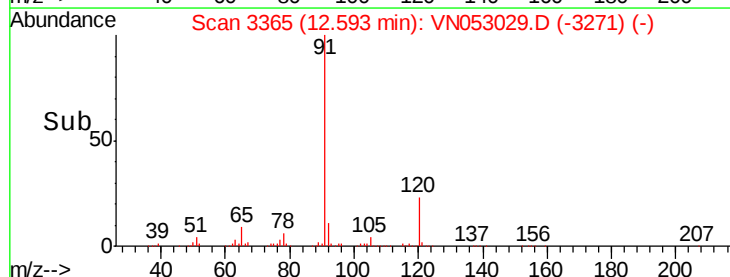
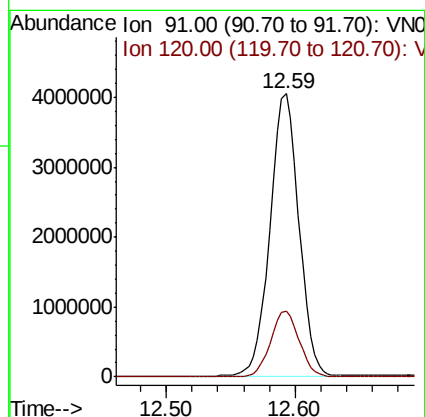
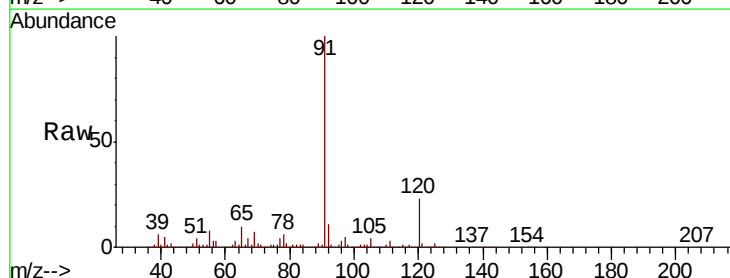
Acq: 20 Dec 2018 00:10

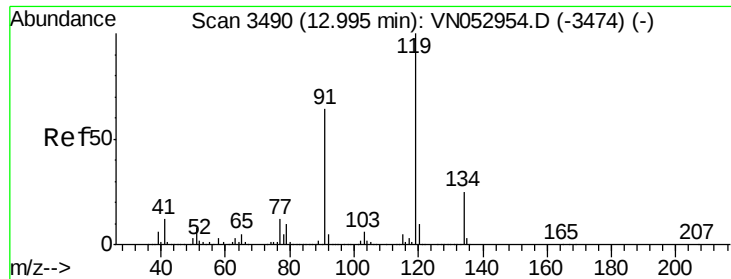
Tgt Ion: 91 Resp: 6311775

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.5





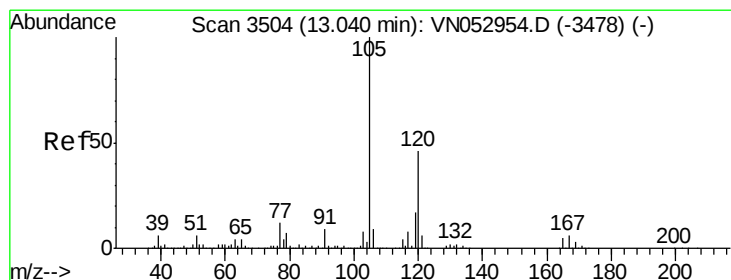
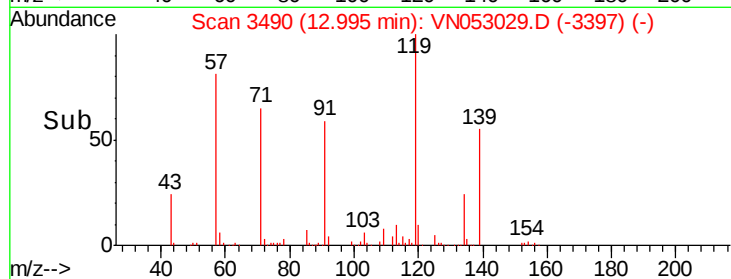
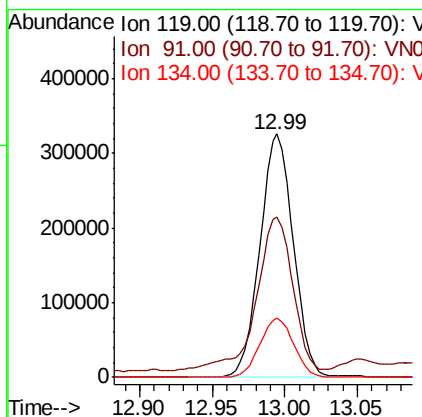
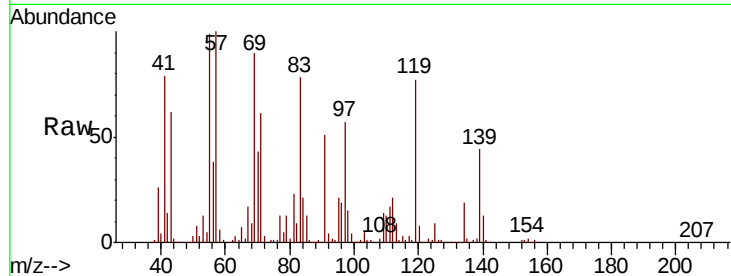
#83
 tert-Butylbenzene
 Concen: 10.962 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053029.D
 Acq: 20 Dec 2018 00:10

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-1B(8-9FT)1218

Tot Ion	Ratio	Resp	Lower	Upper
119	100	521756		
91	68.7		31.9	95.5
134	24.6		12.8	38.4

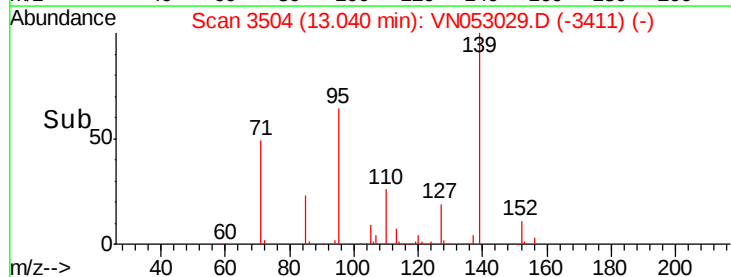
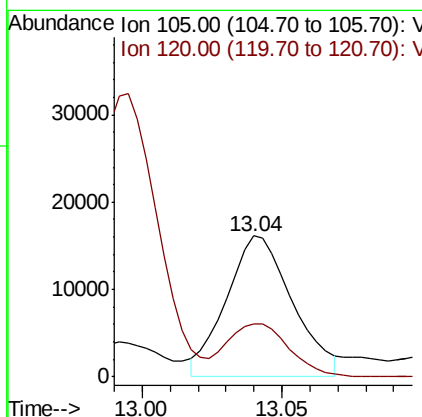
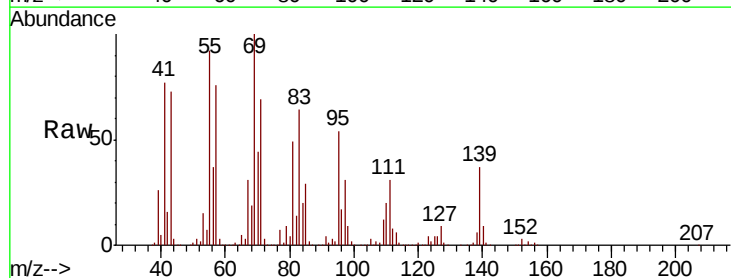
Manual Integrations
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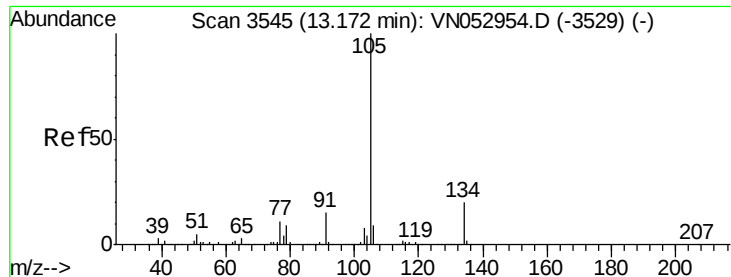
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.493 ug/l m
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053029.D
 Acq: 20 Dec 2018 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	26682		
120	28.9		22.9	68.8





#85

sec-Butylbenzene

Concen: 61.331 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053029.D

Acq: 20 Dec 2018 00:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-1B(8-9FT)1218

Tot Ion:105 Resp: 3948526

Ion Ratio Lower Upper

105 100

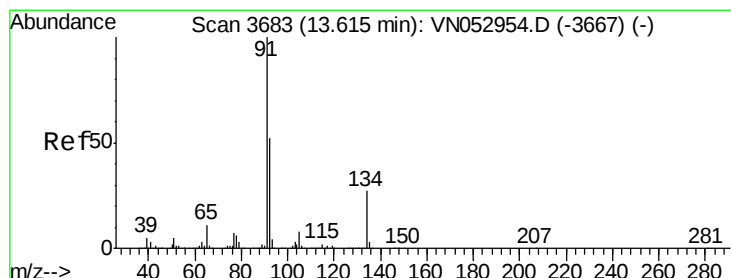
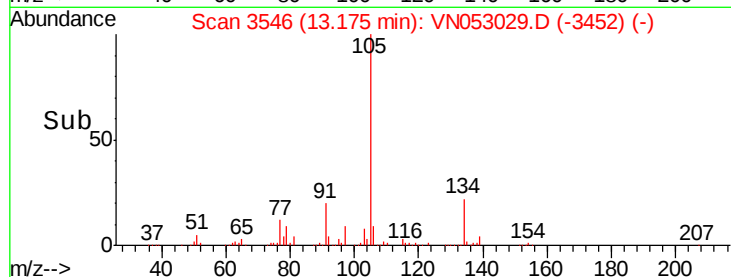
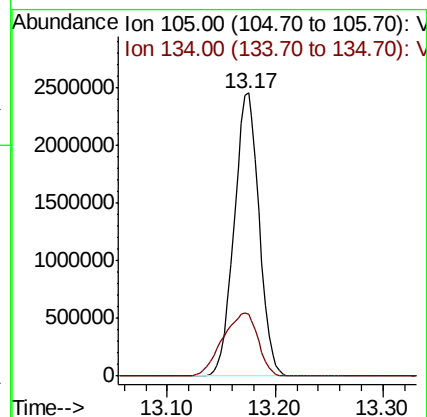
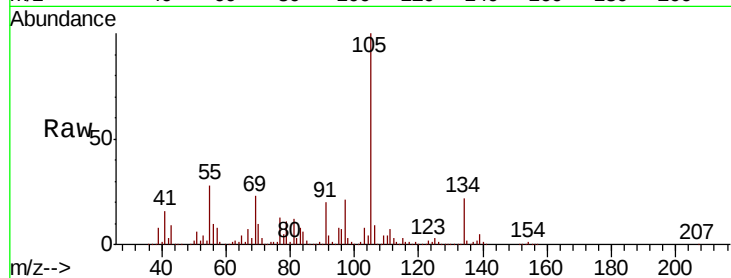
134 31.7 10.1 30.3#

Manual Integrations

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#89

n-Butylbenzene

Concen: 67.258 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053029.D

Acq: 20 Dec 2018 00:10

Tgt Ion: 91 Resp: 3218950

Ion Ratio Lower Upper

91 100

92 50.4 26.3 78.9

134 37.5 13.3 39.8

