

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049316.D
 Acq On : 16 Jun 2018 18:12
 Operator : MD\SY
 Sample : J3564-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-20

Manual Integrations
 APPROVED

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 6/18/2018 3:16:26 PM

Quant Time: Jun 18 10:02:46 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	1510895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2411649	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2065096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	803360	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	1006244	50.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.42%	
35) Dibromofluoromethane	7.59	113	904856	46.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.76%	
50) Toluene-d8	10.09	98	3373796	45.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.82%	
62) 4-Bromofluorobenzene	12.40	95	1004269	40.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.76%	
Target Compounds						
39) Methylcyclohexane	9.08	83	9651	0.33	ug/l	95
73) Isopropylbenzene	12.25	105	220435	3.13	ug/l	99
78) n-propylbenzene	12.59	91	287744	3.72	ug/l	99
83) tert-Butylbenzene	13.00	119	38111	0.78	ug/l	93
85) sec-Butylbenzene	13.17	105	98354m	1.50	ug/l	
89) n-Butylbenzene	13.61	91	21500m	0.50	ug/l	

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

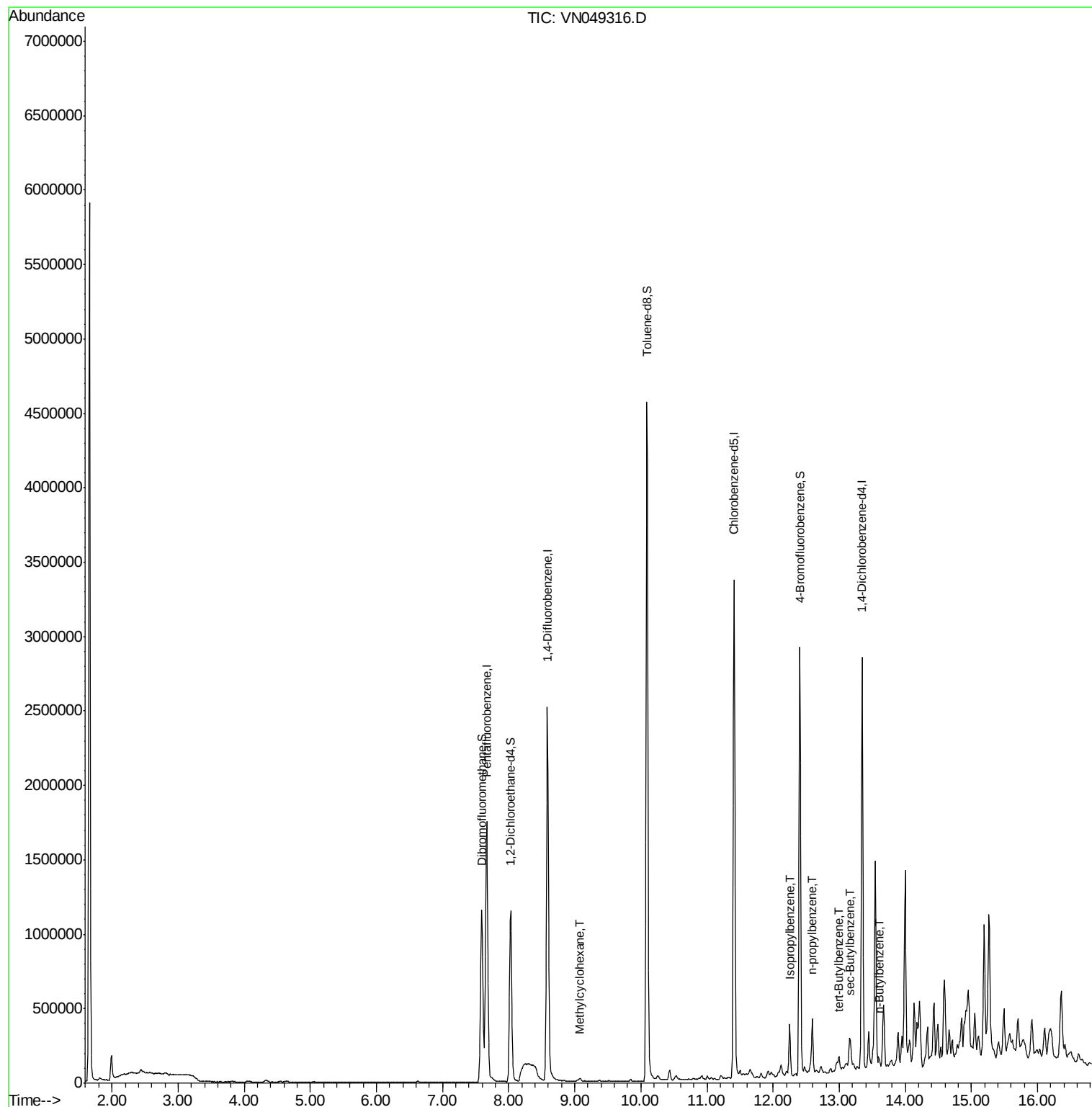
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
Data File : VN049316.D
Acq On : 16 Jun 2018 18:12
Operator : MD\SY
Sample : J3564-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

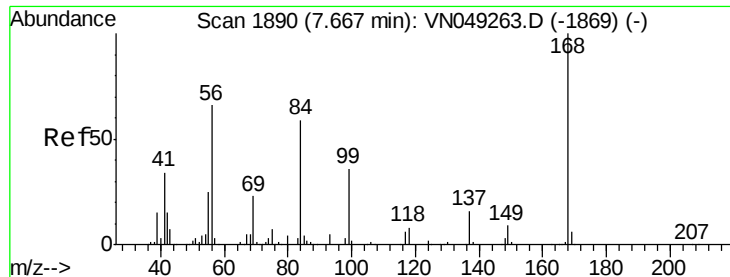
Instrument :
MSVOA_N
ClientSampleId :
MW-20

Manual Integrations
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Quant Time: Jun 18 10:02:46 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: VN049316.D

Acq: 16 Jun 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

MW-20

Tot Ion:168 Resp: 1510895

Ion Ratio Lower Upper

168 100

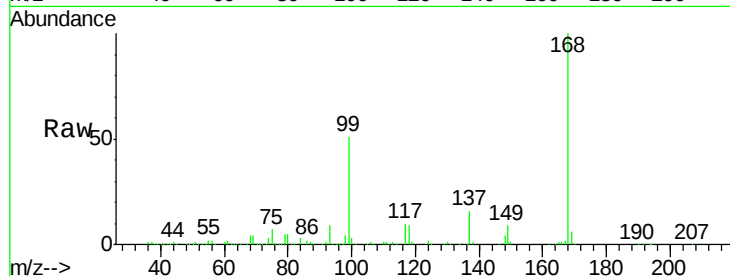
99 50.9 45.8 68.6

Manual Integrations

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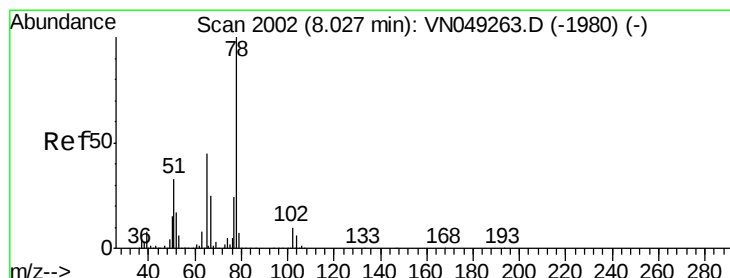
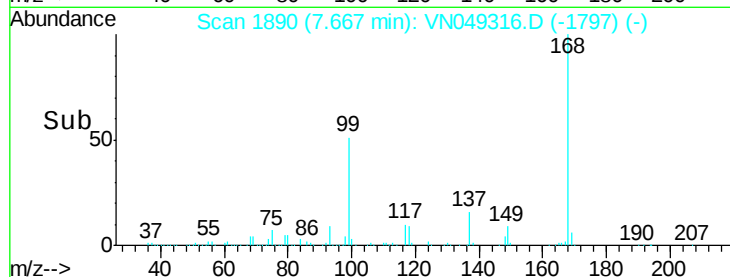
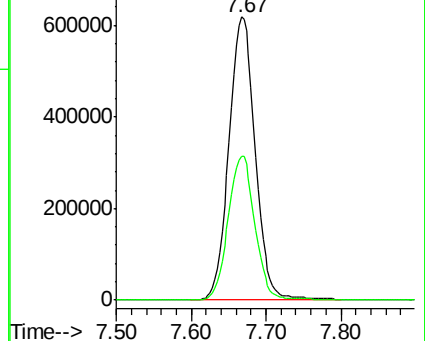
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.21 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049316.D

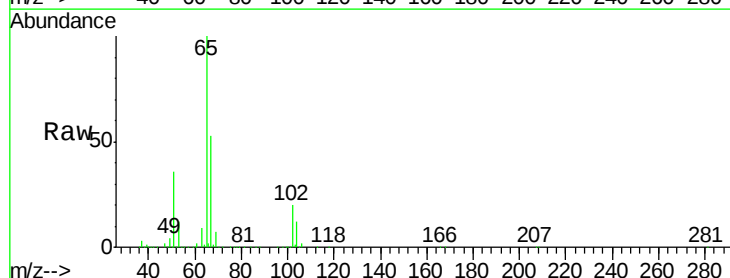
Acq: 16 Jun 2018 18:12

Tgt Ion: 65 Resp: 1006244

Ion Ratio Lower Upper

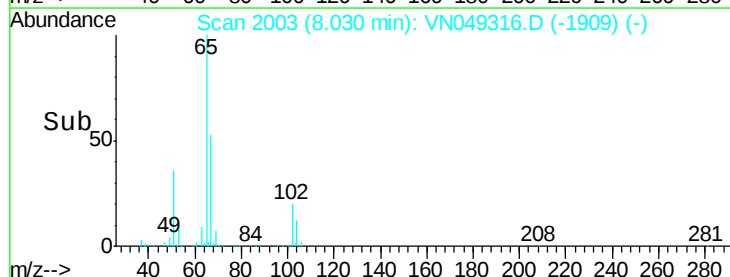
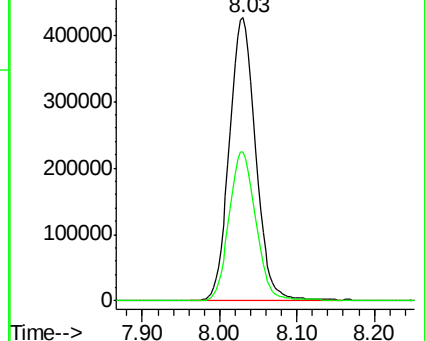
65 100

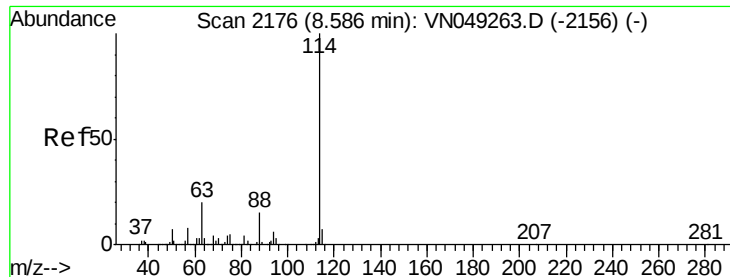
67 53.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





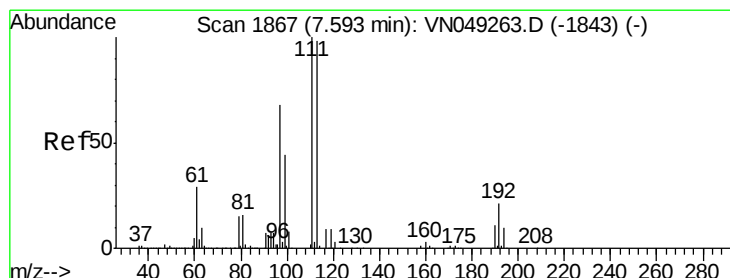
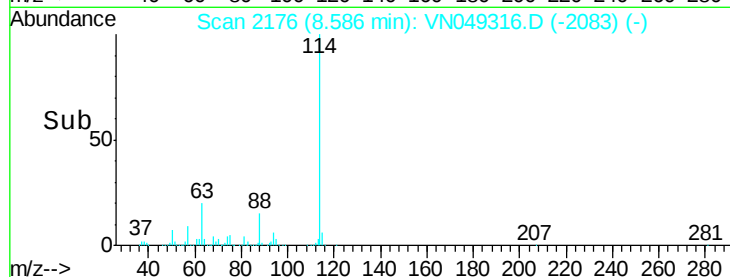
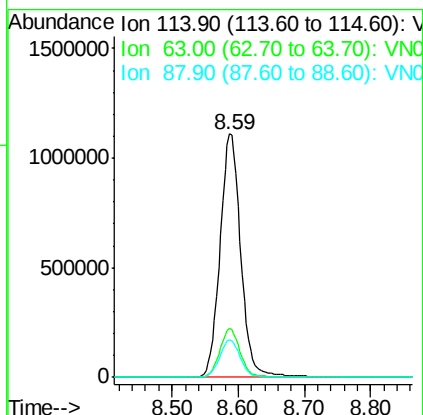
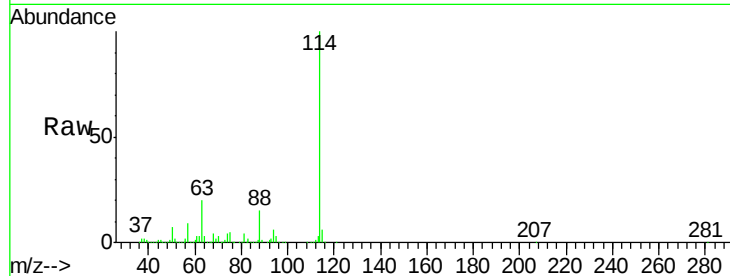
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049316.D
 Acq: 16 Jun 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-20

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	44.4
88	15.3	0.0	31.4

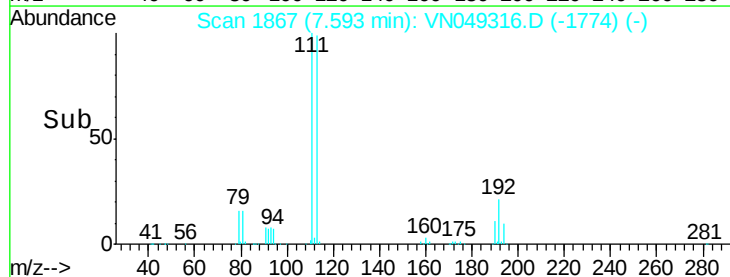
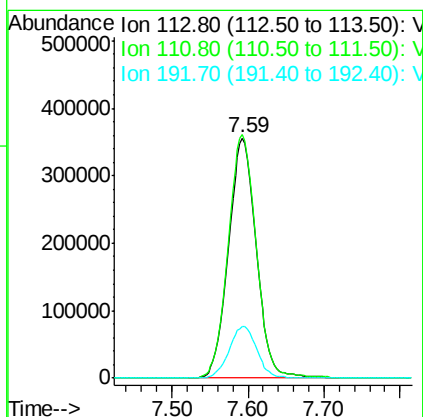
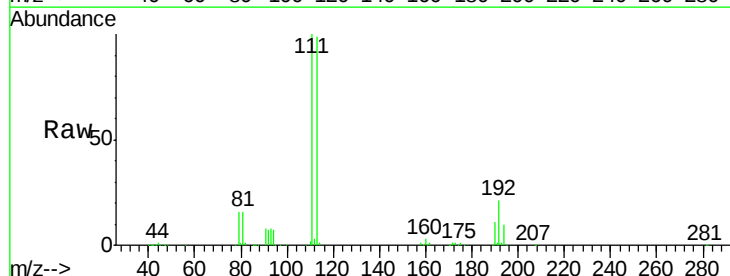
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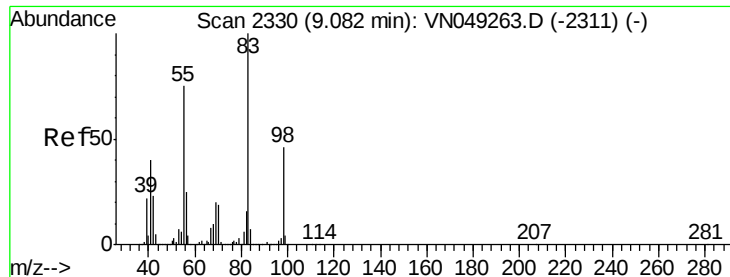
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#35
 Dibromofluoromethane
 Concen: 46.38 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049316.D
 Acq: 16 Jun 2018 18:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	21.5	15.0	22.6





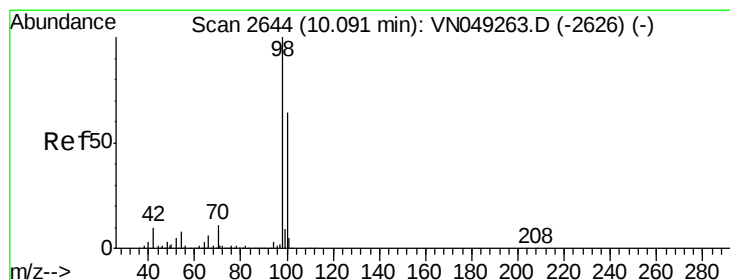
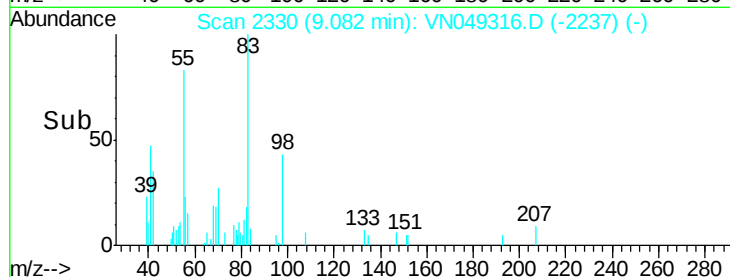
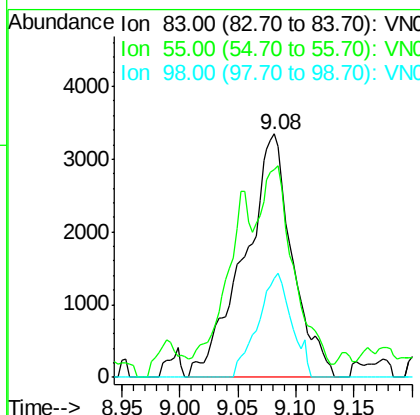
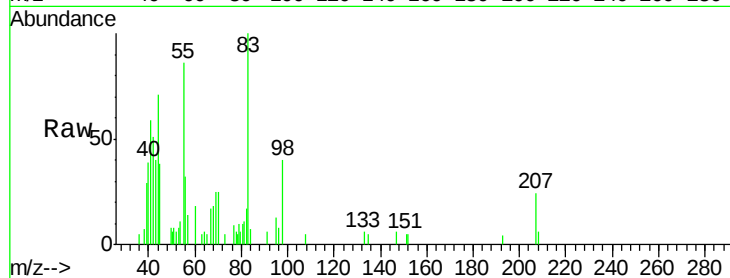
#39
Methvlcvclohexane
Concen: 0.33 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049316.D
Acq: 16 Jun 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
MW-20

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	65.1	97.7
98	40.5	36.5	54.7

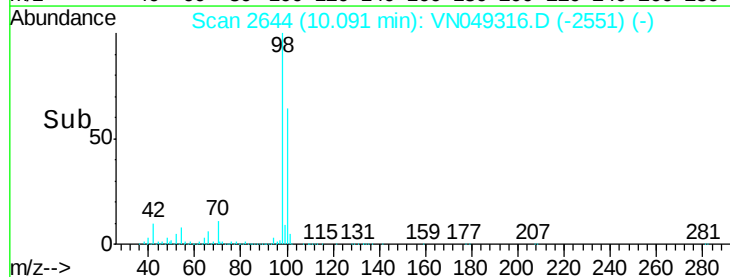
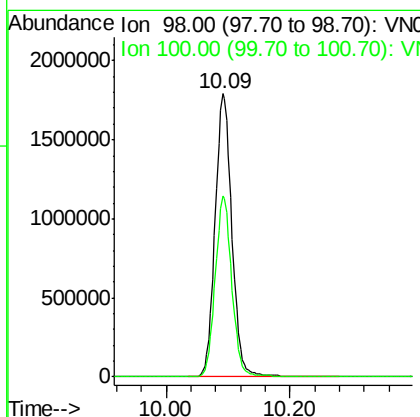
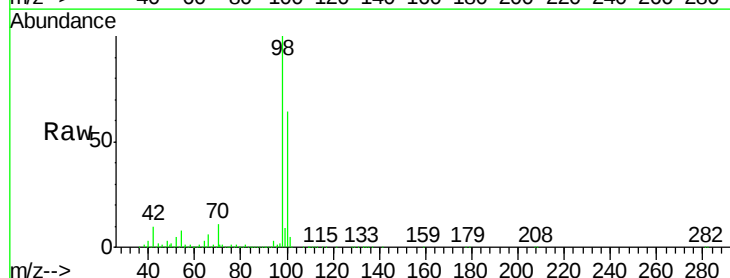
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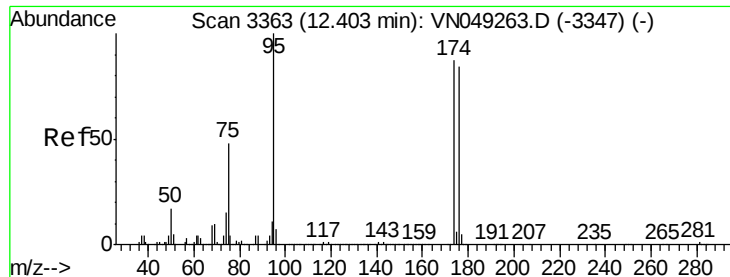
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#50
Toluene-d8
Concen: 45.41 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049316.D
Acq: 16 Jun 2018 18:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	49.8	74.8





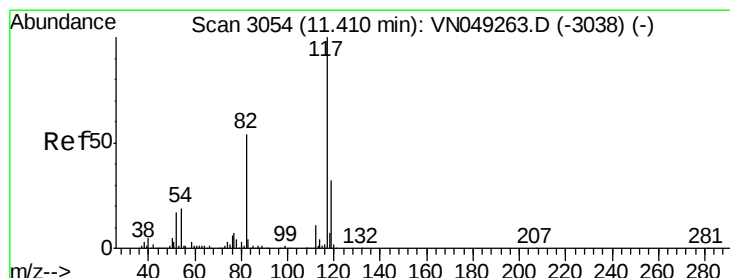
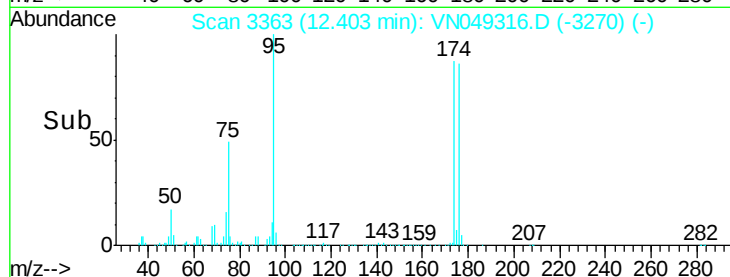
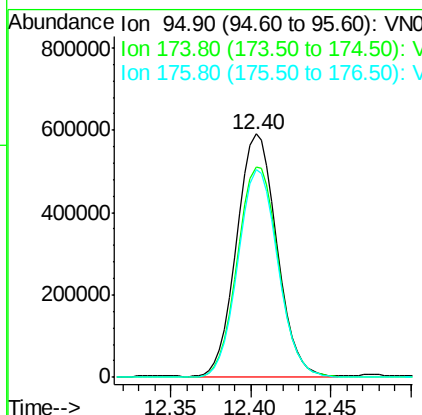
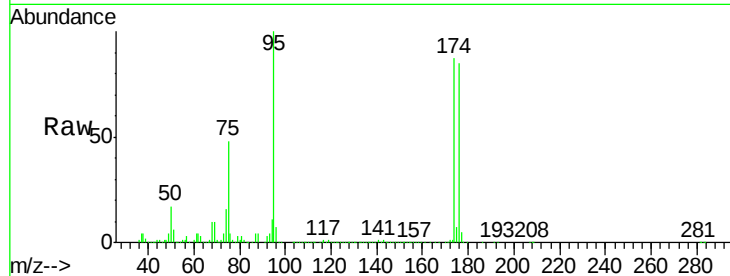
#62
4-Bromofluorobenzene
Concen: 40.88 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049316.D
Acq: 16 Jun 2018 18:12

Instrument :
MSVOA_N
ClientSampled :
MW-20

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	165.6
176	85.8	0.0	157.4

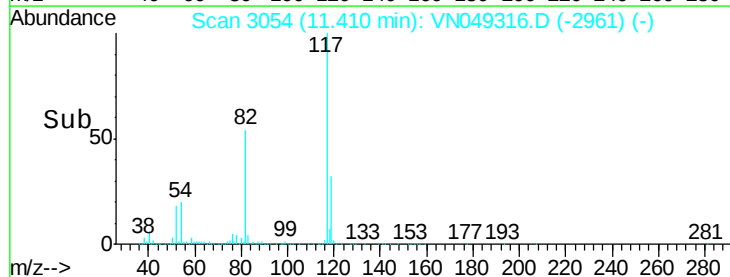
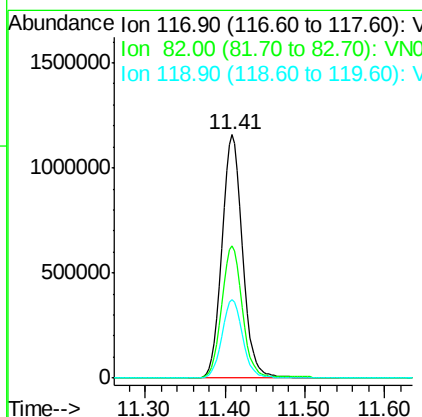
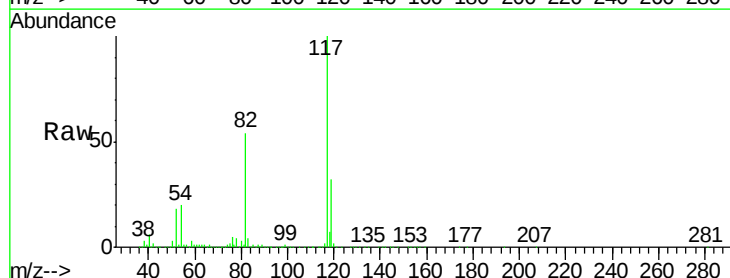
Manual Integrations
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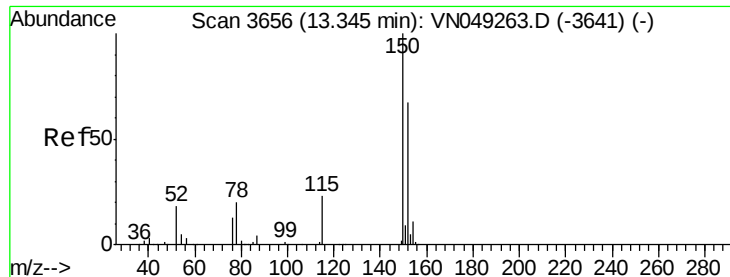
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049316.D
Acq: 16 Jun 2018 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.9	68.9
119	32.3	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: VN049316.D

Acq: 16 Jun 2018 18:12

Instrument :

MSVOA_N

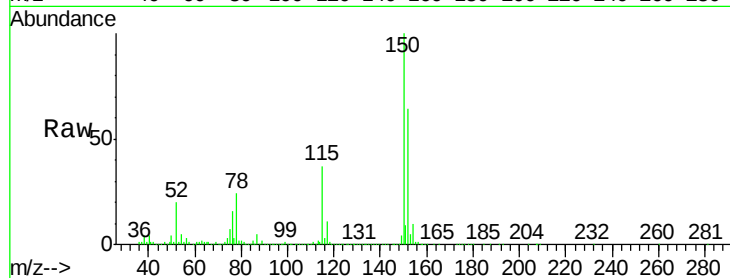
ClientSampled :

MW-20

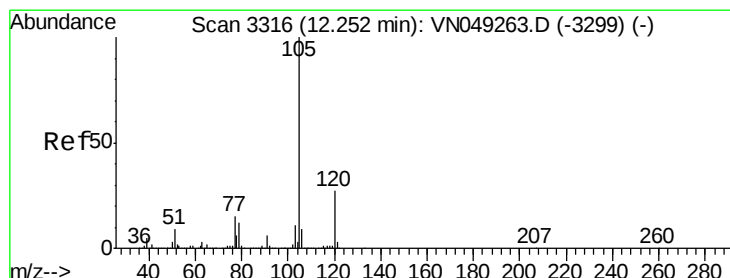
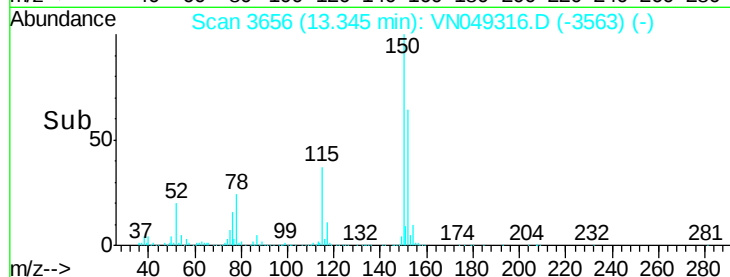
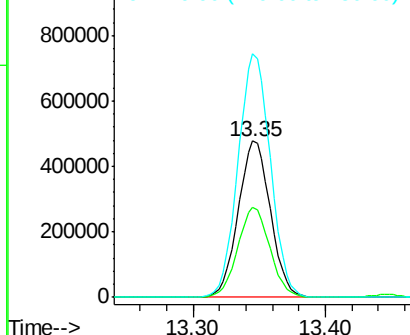
Tot Ion:	152	Resp:	803360
Ion Ratio	Lower	Upper	
152	100		
115	56.8	28.7	86.1
150	156.6	0.0	351.0

Manual Integrations
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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: 3.13 ug/l

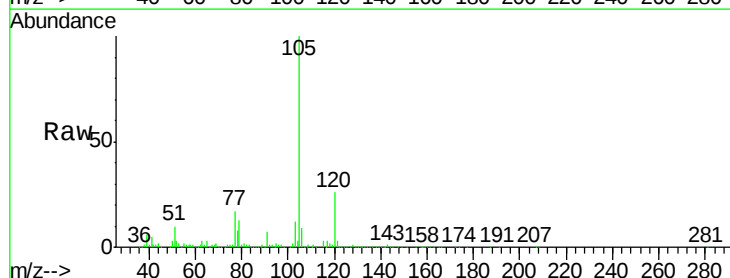
RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

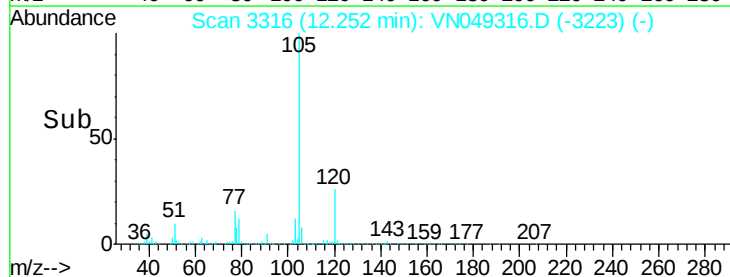
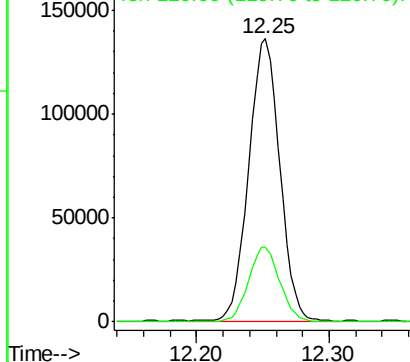
Lab File: VN049316.D

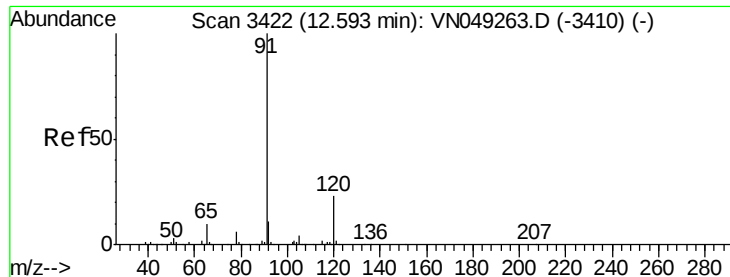
Acq: 16 Jun 2018 18:12

Tgt Ion:	105	Resp:	220435
Ion Ratio	Lower	Upper	
105	100		
120	26.2	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: 3.72 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049316.D

Acq: 16 Jun 2018 18:12

Instrument :

MSVOA_N

ClientSampled :

MW-20

Tot Ion: 91 Resp: 287744

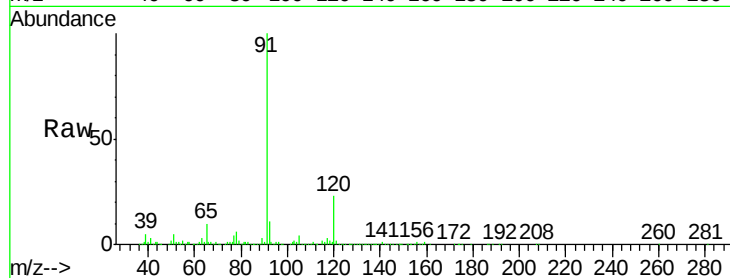
Ion Ratio Lower Upper

91 100

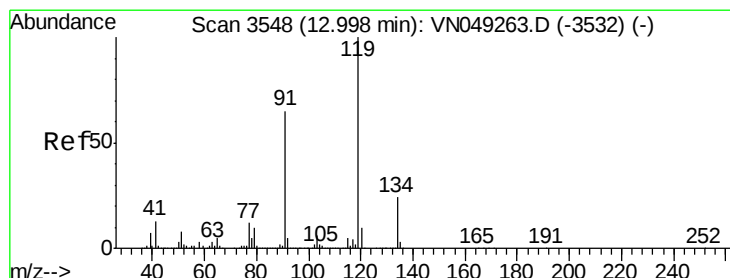
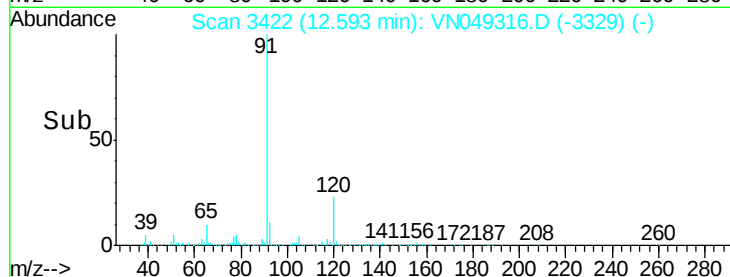
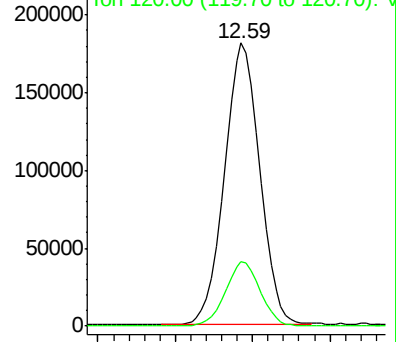
120 22.7 11.2 33.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN049316.D (-3429) (-)



#83

tert-Butylbenzene

Concen: 0.78 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. -0.00 min

Lab File: VN049316.D

Acq: 16 Jun 2018 18:12

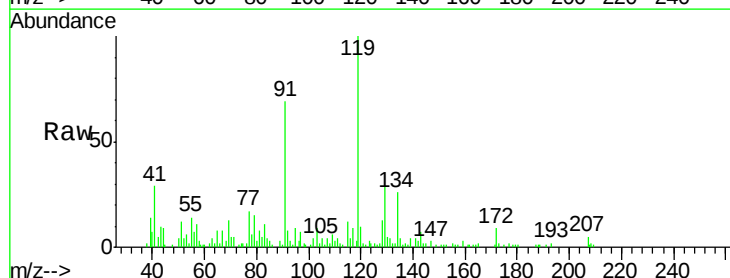
Tgt Ion: 119 Resp: 38111

Ion Ratio Lower Upper

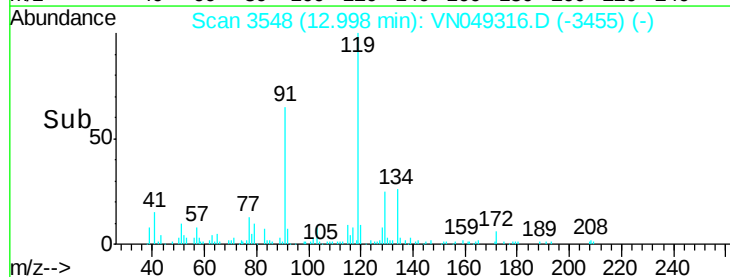
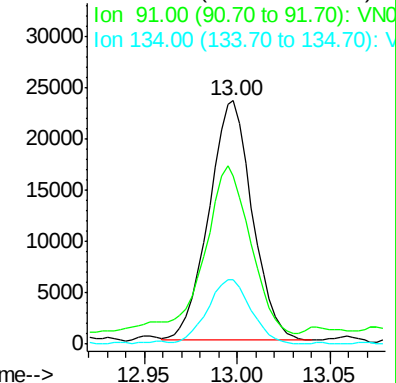
119 100

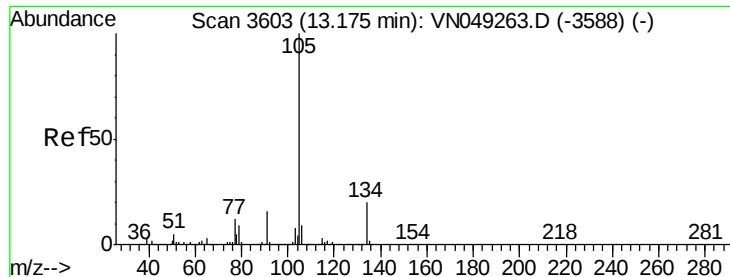
91 74.7 33.7 101.0

134 26.8 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): VN049316.D (-3545) (-)





#85

sec-Butylbenzene

Concen: 1.50 ug/l m

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049316.D

Acq: 16 Jun 2018 18:12

Instrument :

MSVOA_N

ClientSampled :

MW-20

Tot Ion: 105 Resp: 98354

Ion Ratio Lower Upper

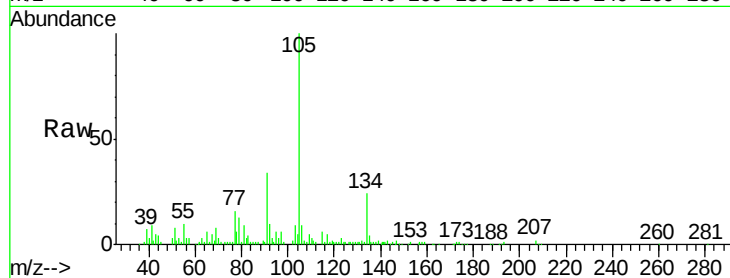
105 100

134 0.0 9.8 29.3#

Manual Integrations
APPROVED

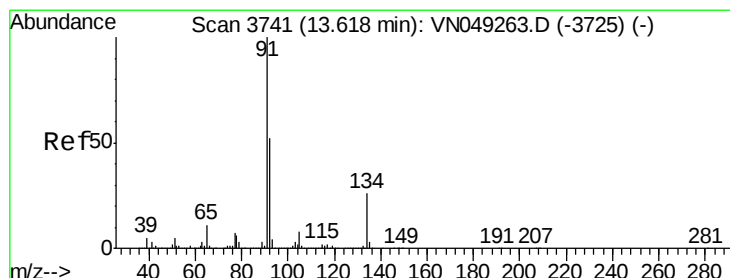
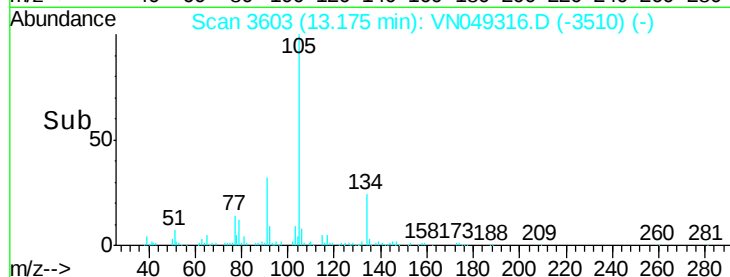
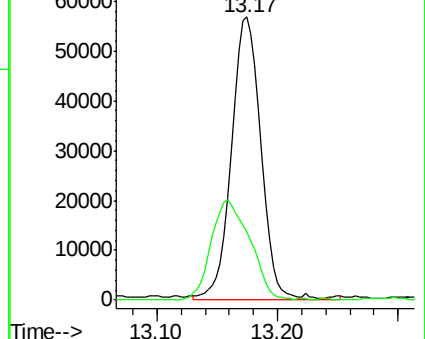
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.50 ug/l m

RT: 13.61 min Scan# 3739

Delta R.T. -0.01 min

Lab File: VN049316.D

Acq: 16 Jun 2018 18:12

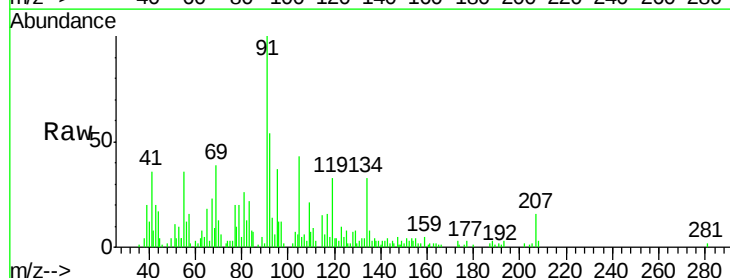
Tgt Ion: 91 Resp: 21500

Ion Ratio Lower Upper

91 100

92 61.1 25.1 75.4

134 84.5 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

