

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049229.D
 Acq On : 14 Jun 2018 15:50
 Operator : MD\SY
 Sample : J3435-02DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW8DL

Manual Integrations
 APPROVED

MMDadoda
 6/15/2018 1:15:24 PM

Quant Time: Jun 15 05:19:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	615477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1154940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1223350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	440576	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	410868	41.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.68%	
35) Dibromofluoromethane	7.59	113	372878	39.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.02%	
50) Toluene-d8	10.09	98	1449106	38.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.94%	
62) 4-Bromofluorobenzene	12.40	95	555858	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.65	56	133793	8.750	ug/l #	94
39) Methylcyclohexane	9.08	83	41063m	2.755	ug/l	
40) Benzene	8.04	78	44377	1.015	ug/l	96
52) Toluene	10.16	92	122924	4.833	ug/l	97
67) Ethyl Benzene	11.51	91	1206514	22.161	ug/l	99
68) m/p-Xylenes	11.62	106	804996	40.433	ug/l	98
69) o-Xylene	11.95	106	271870	14.179	ug/l	100
73) Isopropylbenzene	12.25	105	105583	2.495	ug/l	100
78) n-propylbenzene	12.59	91	221691	4.716	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	165088	5.088	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	752441	23.331	ug/l	99
85) sec-Butylbenzene	13.17	105	19763m	0.530	ug/l	
89) n-Butylbenzene	13.62	91	11527	1.978	ug/l #	69
95) Naphthalene	15.14	128	145326	13.884	ug/l	98

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

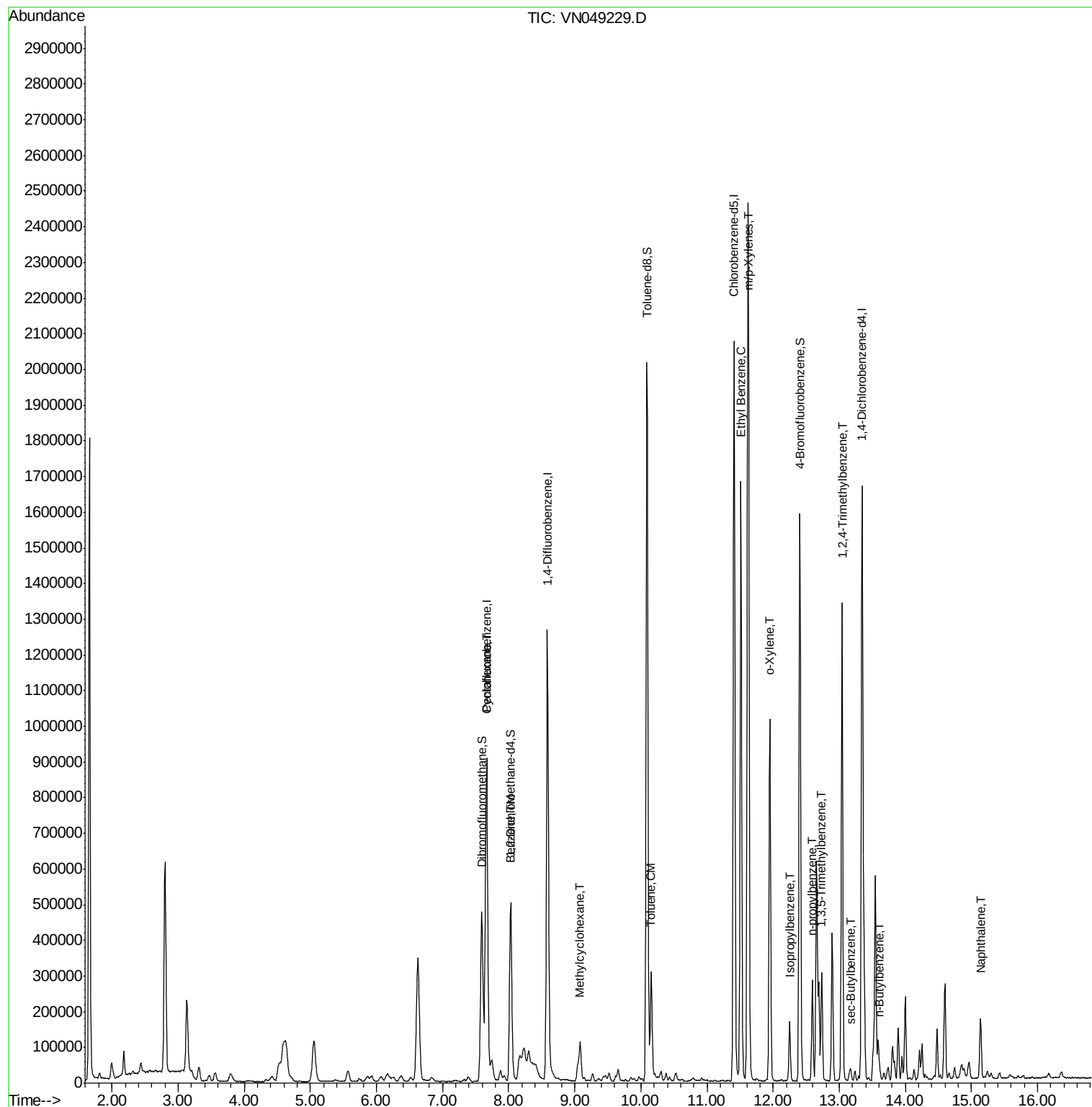
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061418\
Data File : VN049229.D
Acq On : 14 Jun 2018 15:50
Operator : MD\SY
Sample : J3435-02DL 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

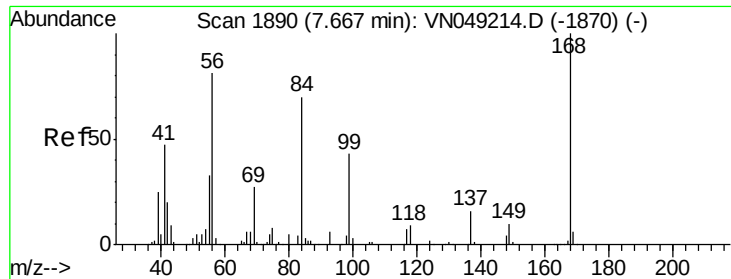
Instrument :
MSVOA_N
ClientSampleId :
MW8DL

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Quant Time: Jun 15 05:19:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 14 05:15:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

MW8DL

Tot Ion:168 Resp: 615477

Ion Ratio Lower Upper

168 100

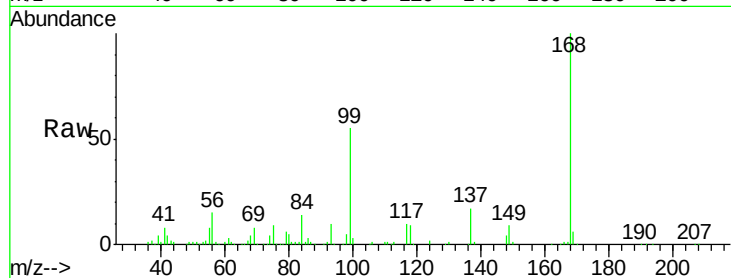
99 54.6 45.8 68.6

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

7.67

250000

200000

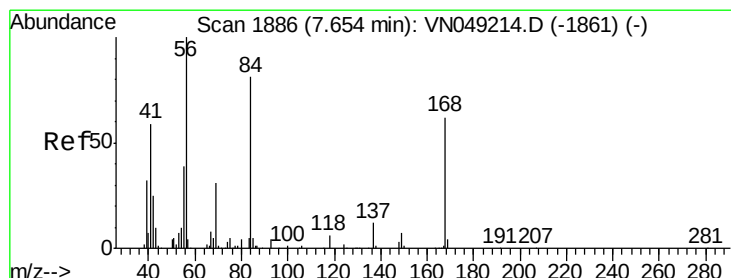
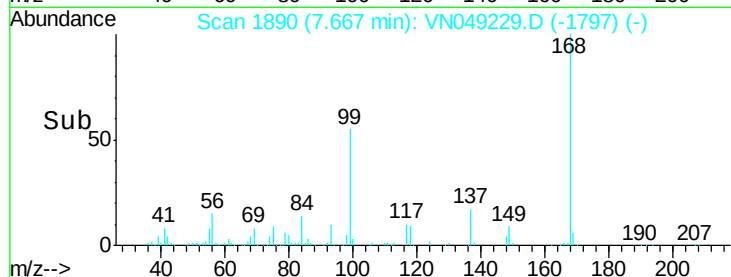
150000

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 8.750 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

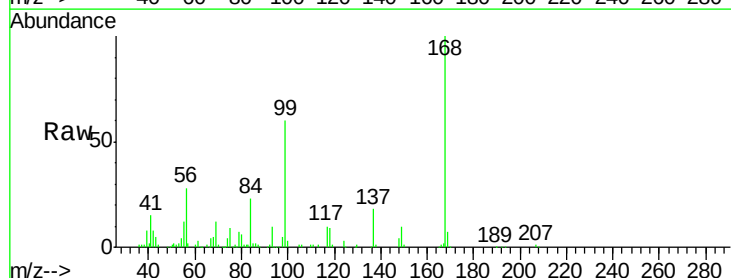
Tgt Ion: 56 Resp: 133793

Ion Ratio Lower Upper

56 100

69 43.0 25.0 37.4#

84 80.3 64.6 96.8



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

60000

50000

40000

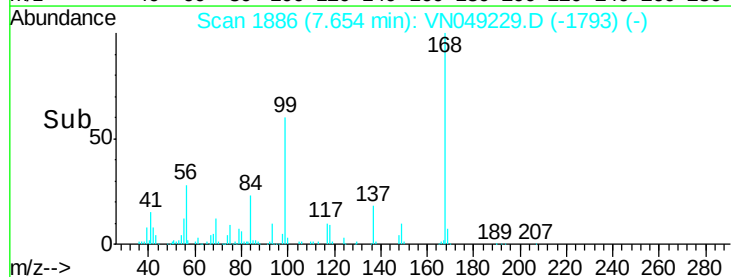
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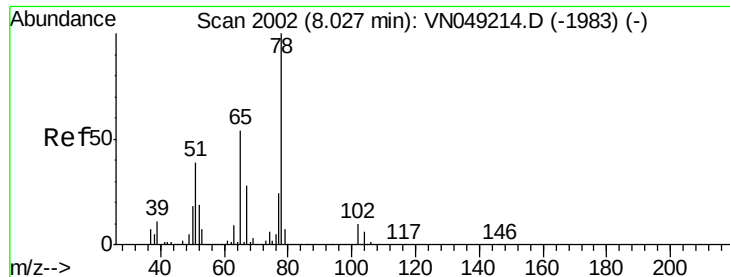
20000

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0

Time-->





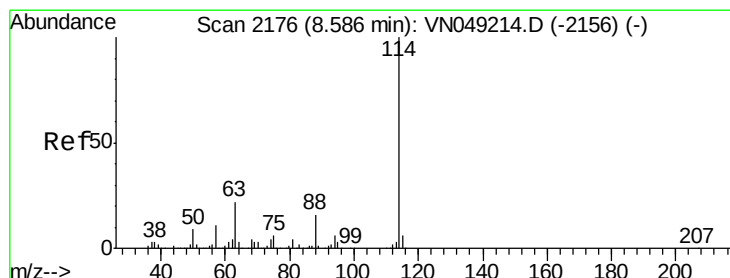
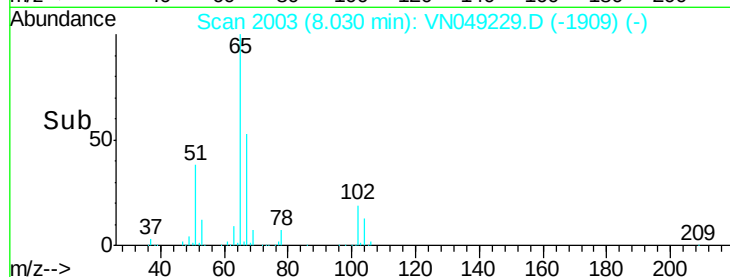
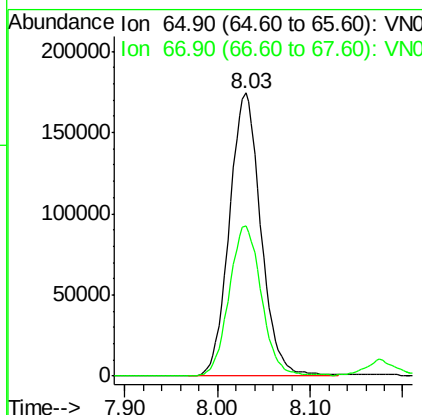
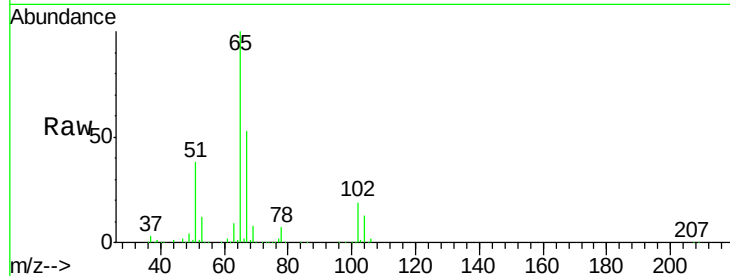
#33
 1,2-Dichloroethane-d4
 Concen: 41.344 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049229.D
 Acq: 14 Jun 2018 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 MW8DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	103.8	

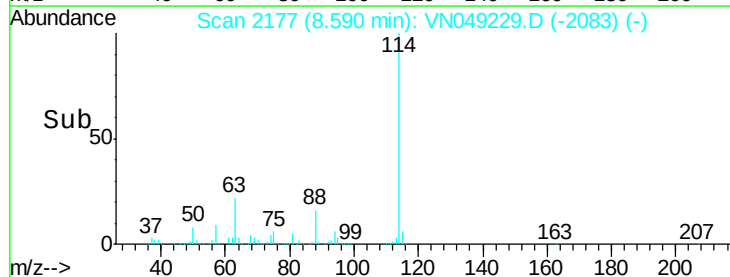
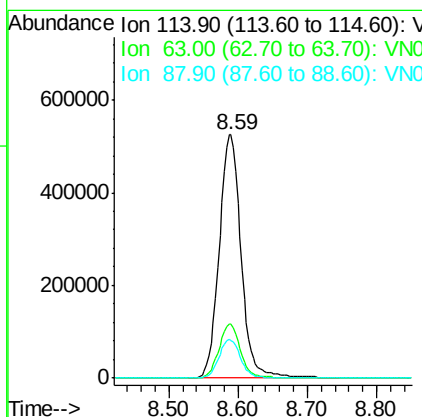
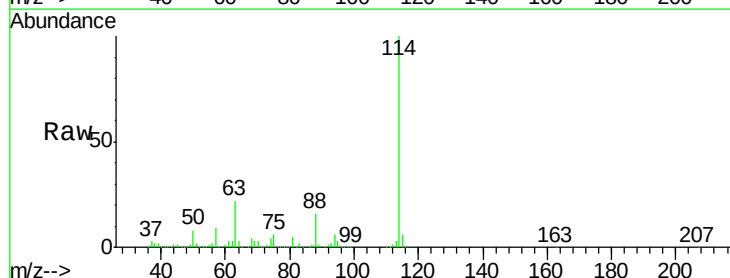
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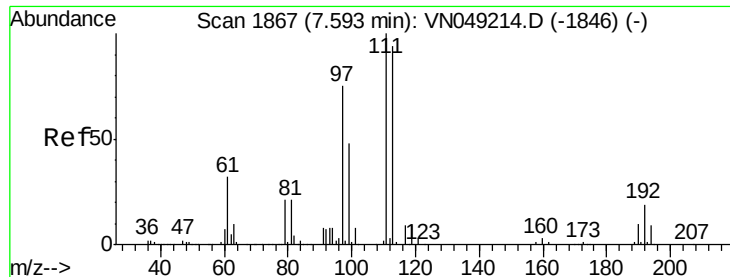
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049229.D
 Acq: 14 Jun 2018 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.1	0.0	44.4	
88	15.6	0.0	31.4	





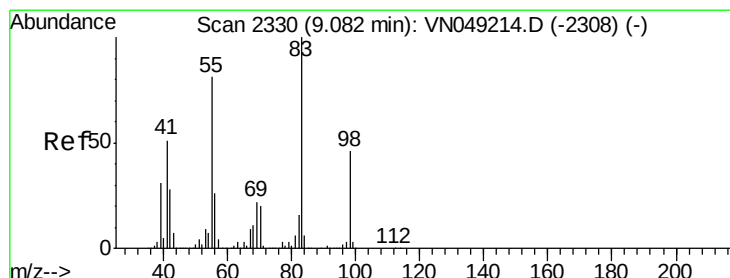
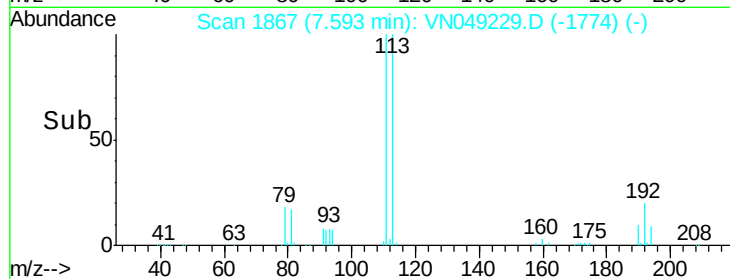
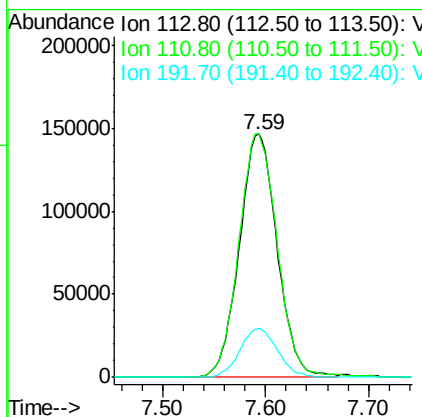
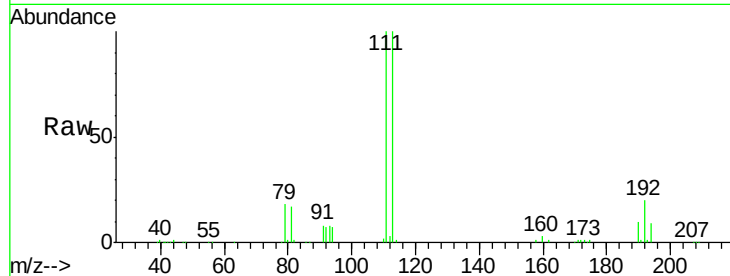
#35
Dibromofluoromethane
Concen: 39.007 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Instrument :
MSVOA_N
ClientSampleId :
MW8DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	372878		
111	101.9	82.4	123.6	
192	20.1	15.0	22.6	

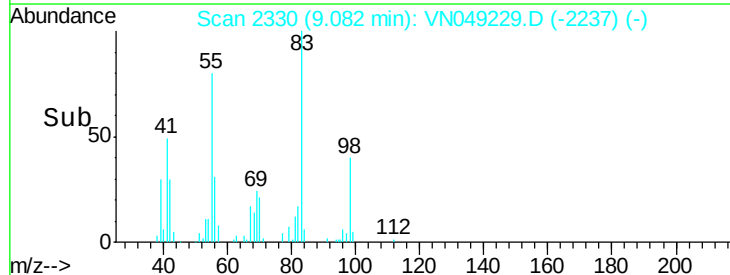
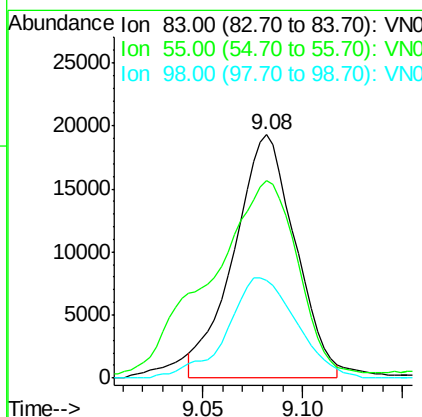
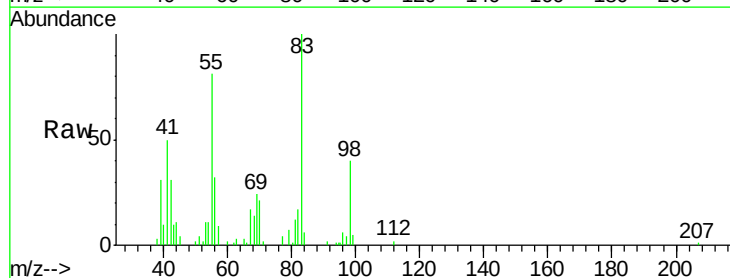
Manual Integrations
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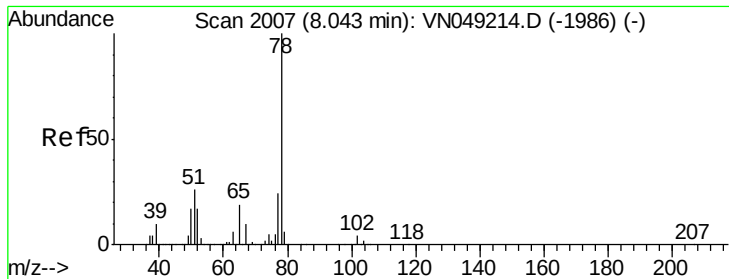
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#39
Methylcyclohexane
Concen: 2.755 ug/l m
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	41063		
55	81.2	65.1	97.7	
98	40.1	36.5	54.7	





#40

Benzene

Concen: 1.015 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

MW8DL

Tot Ion: 78 Resp: 44377

Ion Ratio Lower Upper

78 100

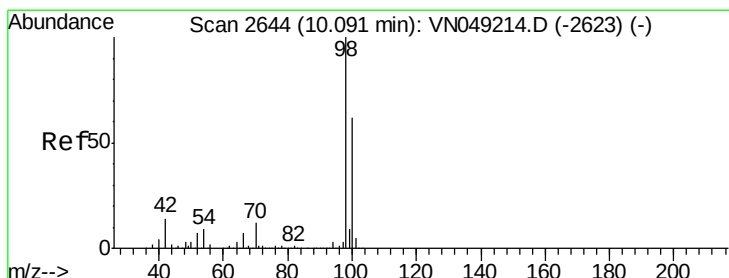
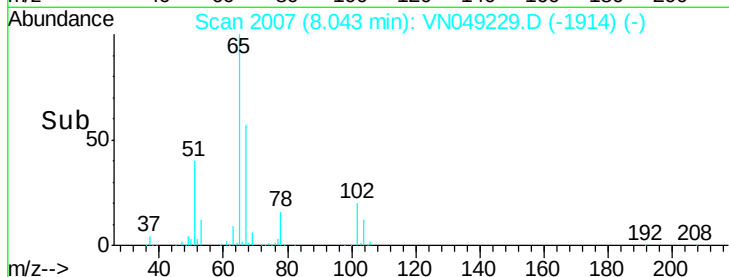
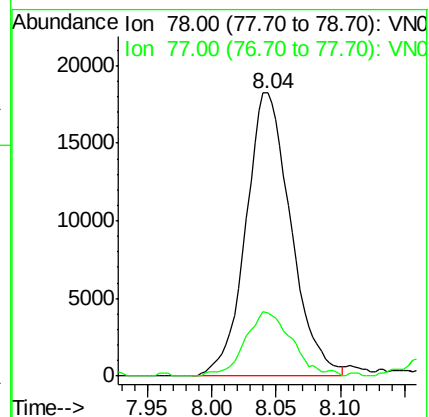
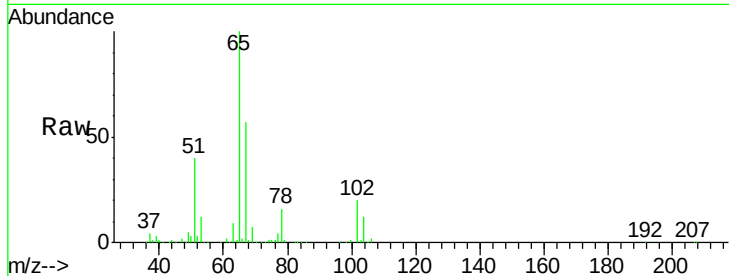
77 22.4 19.4 29.0

Manual Integrations

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#50

Toluene-d8

Concen: 38.968 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049229.D

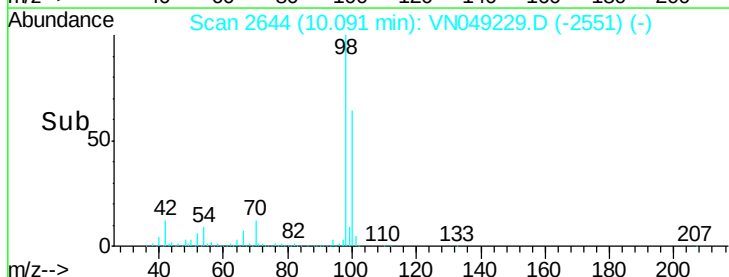
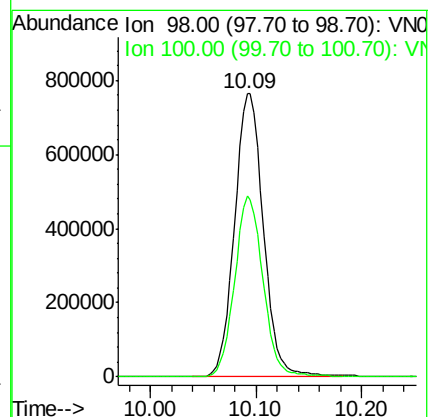
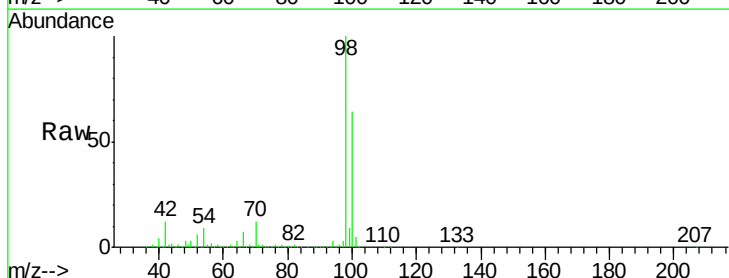
Acq: 14 Jun 2018 15:50

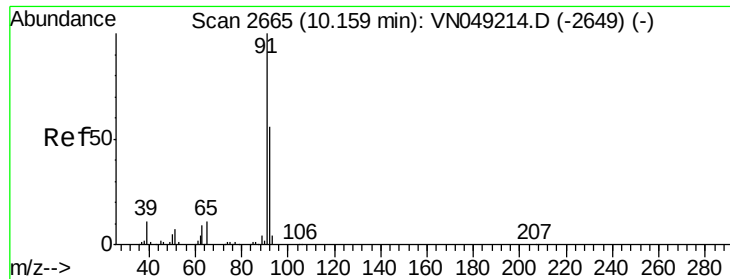
Tgt Ion: 98 Resp: 1449106

Ion Ratio Lower Upper

98 100

100 62.9 49.8 74.8





#52

Toluene

Concen: 4.833 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

ClientSampled :

MW8DL

Tot Ion: 92 Resp: 122924

Ion Ratio Lower Upper

92 100

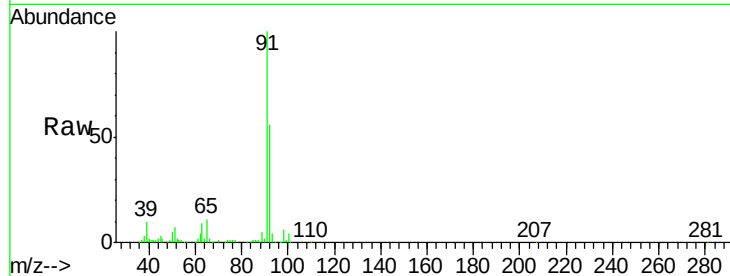
91 183.0 143.4 215.2

Manual Integrations

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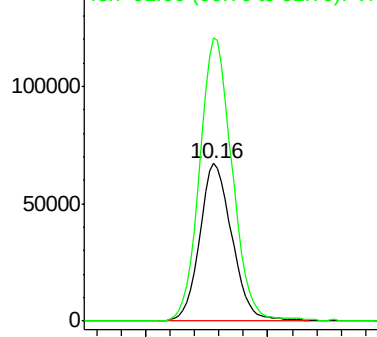
MMDadoda

6/15/2018 1:15:24 PM

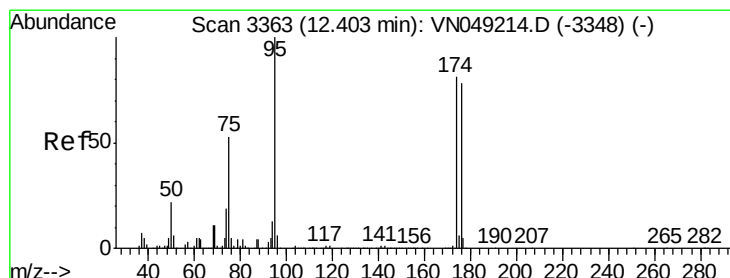
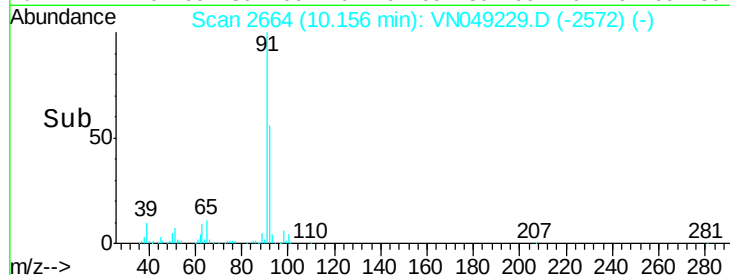


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->



#62

4-Bromofluorobenzene

Concen: 45.038 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

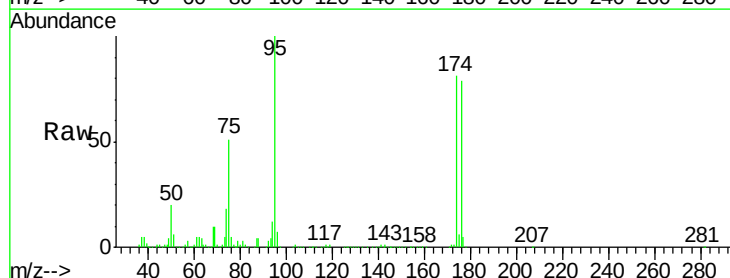
Tgt Ion: 95 Resp: 555858

Ion Ratio Lower Upper

95 100

174 81.6 0.0 165.6

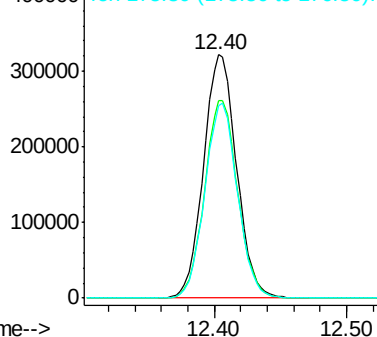
176 79.2 0.0 157.4



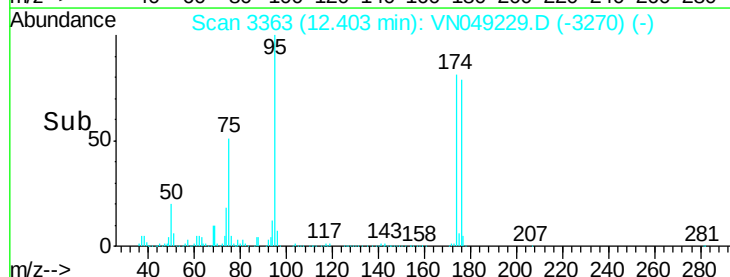
Abundance Ion 94.90 (94.60 to 95.60): VN0

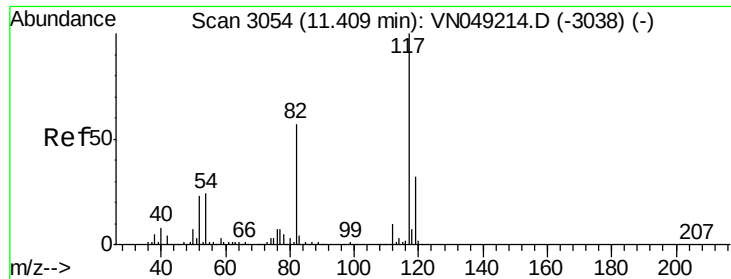
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





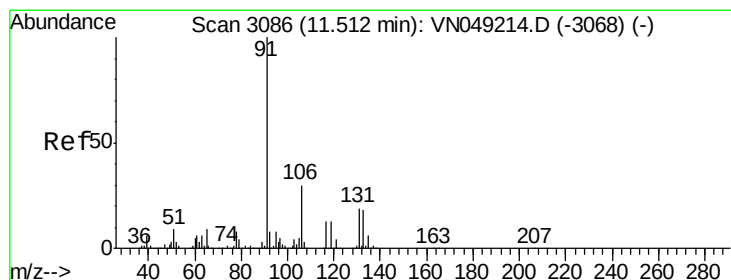
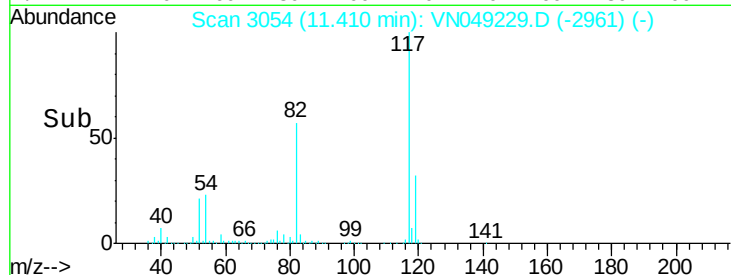
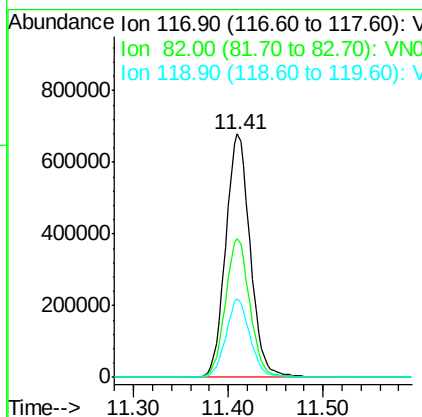
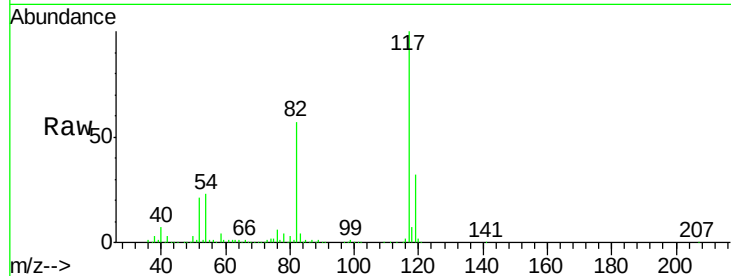
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Instrument :
MSVOA_N
ClientSampled :
MW8DL

Tot Ion:117 Resp: 1223350
Ion Ratio Lower Upper
117 100
82 57.1 45.9 68.9
119 32.3 25.5 38.3

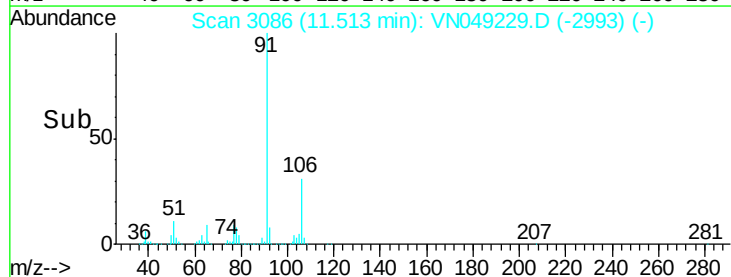
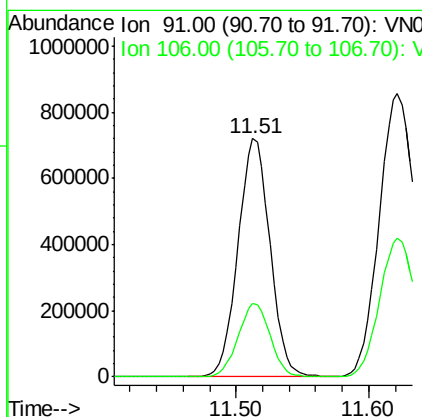
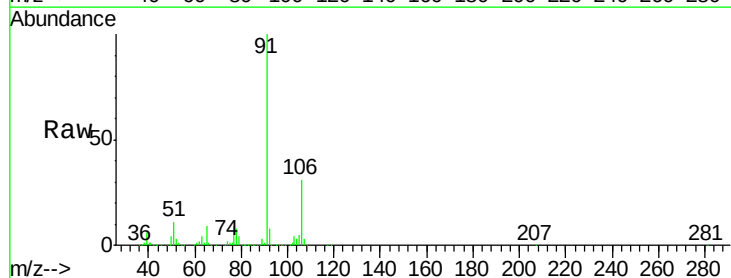
Manual Integrations
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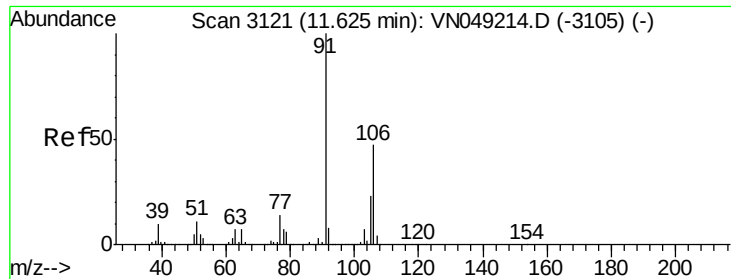
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#67
Ethyl Benzene
Concen: 22.161 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Tgt Ion: 91 Resp: 1206514
Ion Ratio Lower Upper
91 100
106 30.6 23.9 35.9





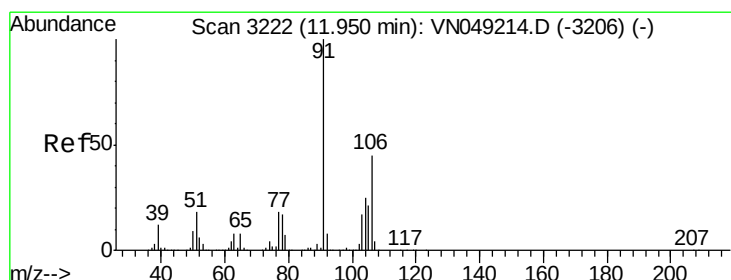
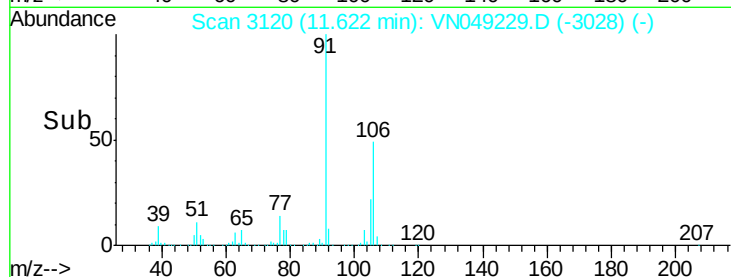
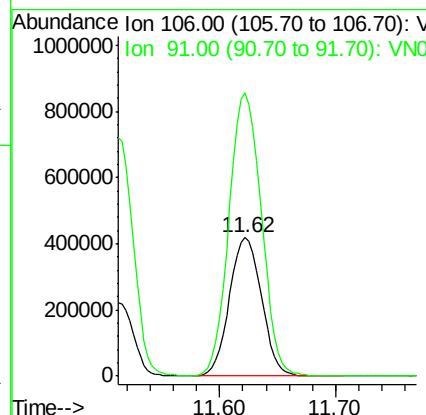
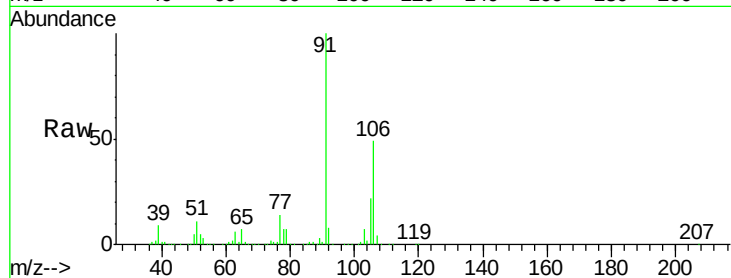
#68
m/p-Xylenes
Concen: 40.433 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Instrument :
MSVOA_N
ClientSampled :
MW8DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	206.2	167.3	804996	250.9	

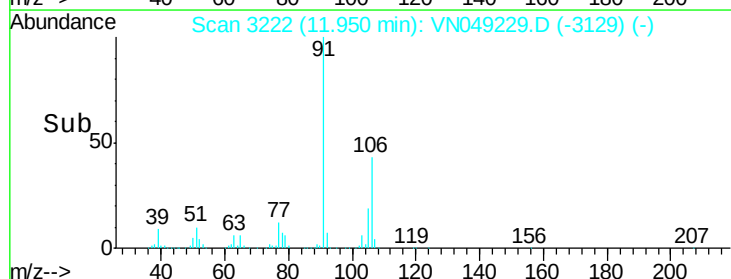
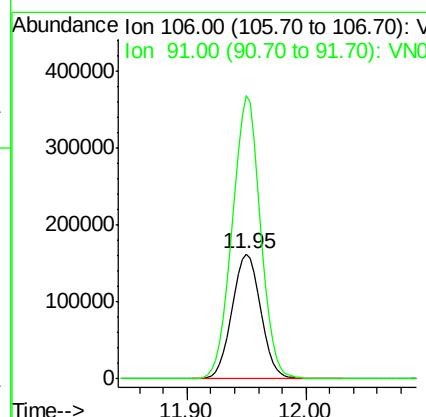
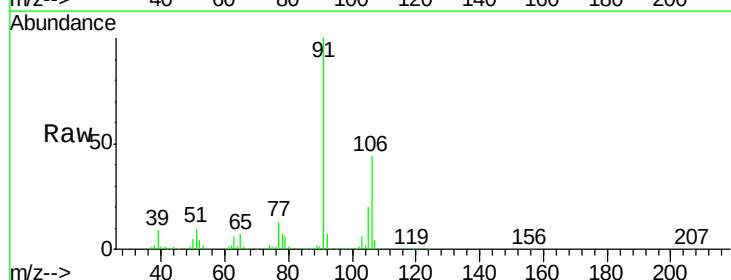
Manual Integrations
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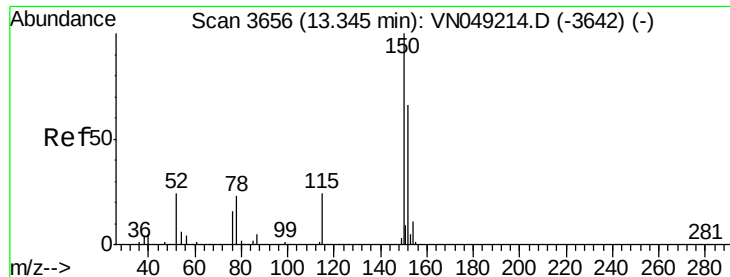
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6/15/2018 1:15:24 PM



#69
o-Xylene
Concen: 14.179 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	221.9	111.0	271870	333.0	





#72

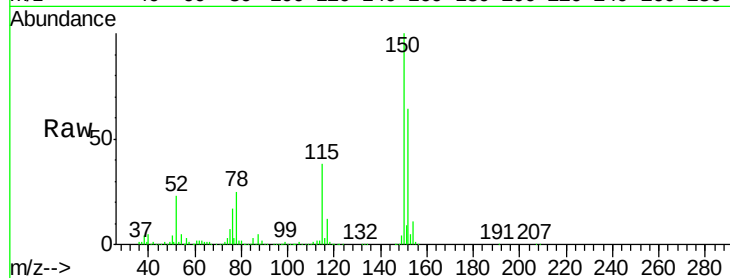
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Instrument :
MSVOA_N
ClientSampled :
MW8DL

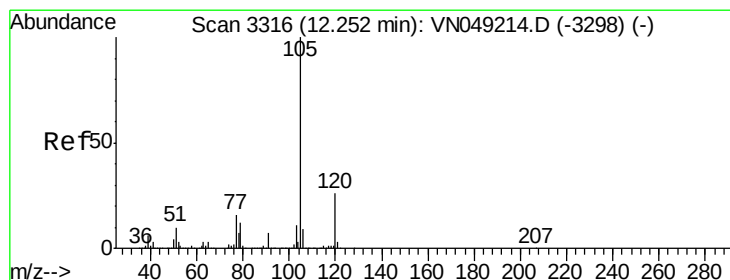
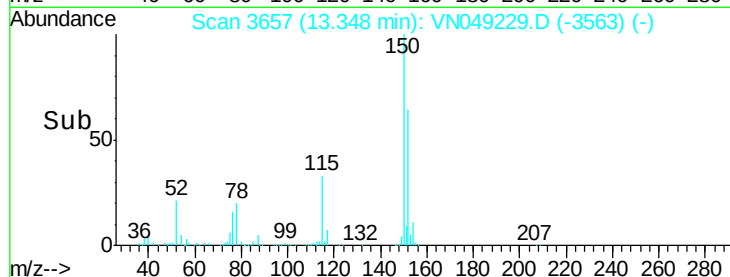
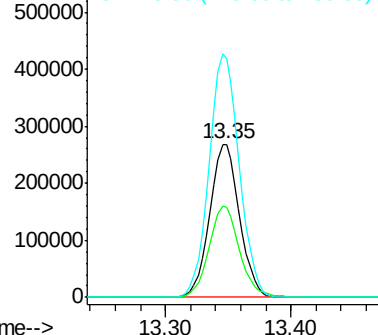
Tot Ion	Ratio	Lower	Upper
152	100		
115	61.1	28.7	86.1
150	160.9	0.0	351.0

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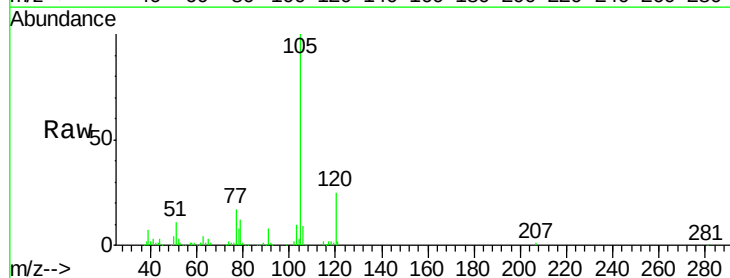
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



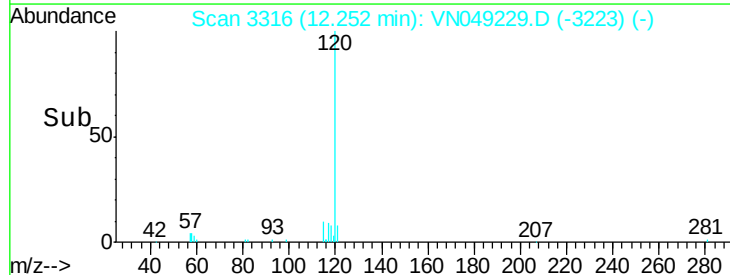
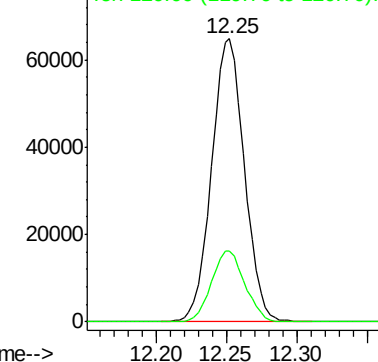
#73

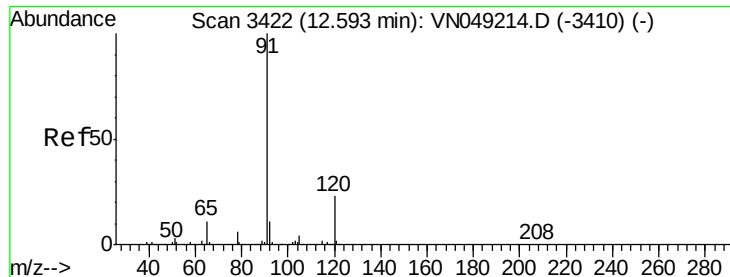
Isopropylbenzene
Concen: 2.495 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	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: 4.716 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

ClientSampled :

MW8DL

Tot Ion: 91 Resp: 221691

Ion Ratio Lower Upper

91 100

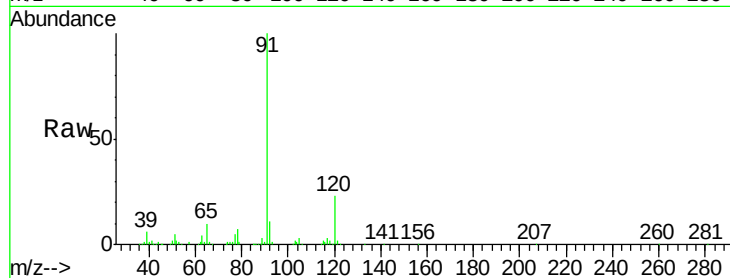
120 22.0 11.2 33.5

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Abundance Ion 91.00 (90.70 to 91.70): VN049229.D (-3329) (-)

Ion 120.00 (119.70 to 120.70): VN049229.D (-3329) (-)

12.59

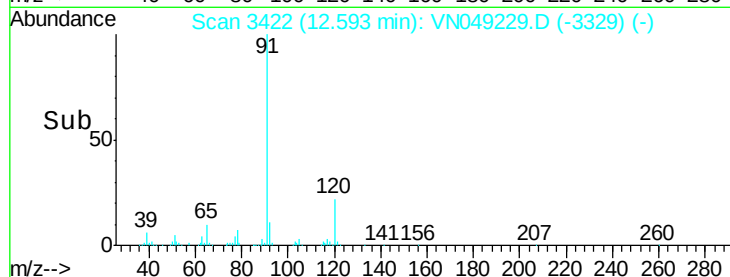
150000

100000

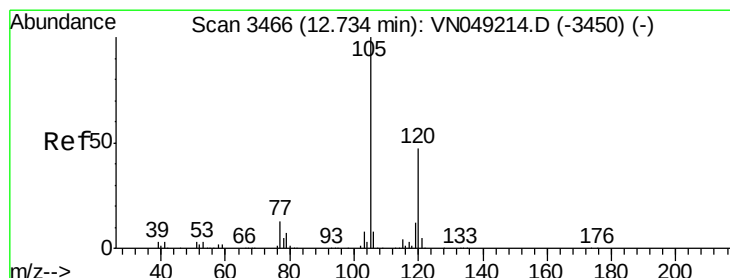
50000

0

Time-->



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.088 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049229.D

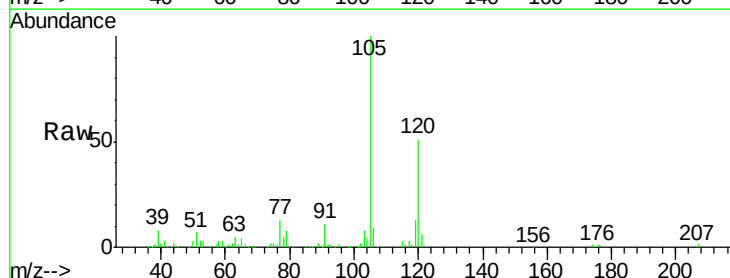
Acq: 14 Jun 2018 15:50

Tgt Ion: 105 Resp: 165088

Ion Ratio Lower Upper

105 100

120 48.2 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049229.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049229.D (-3373) (-)

12.73

200000

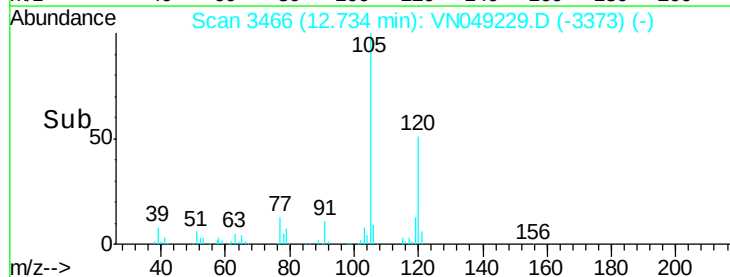
150000

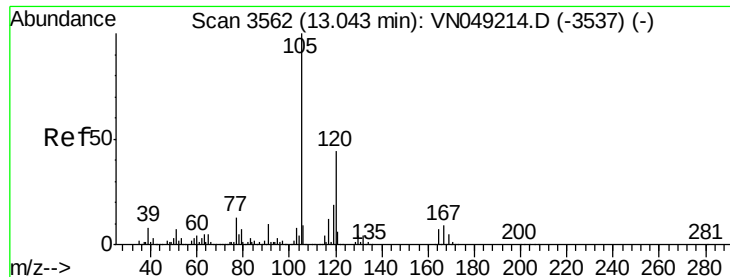
100000

50000

0

Time-->





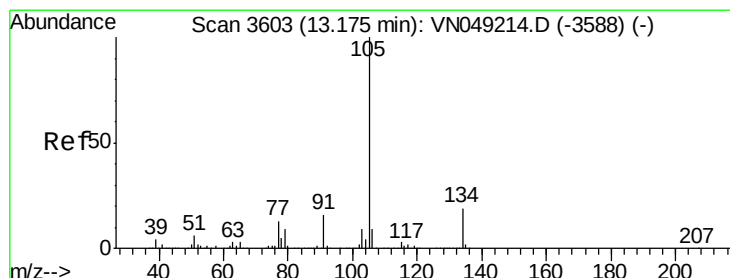
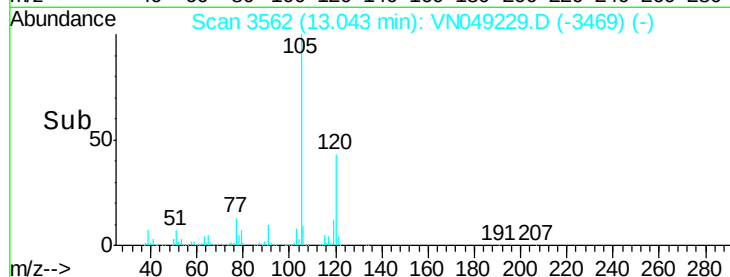
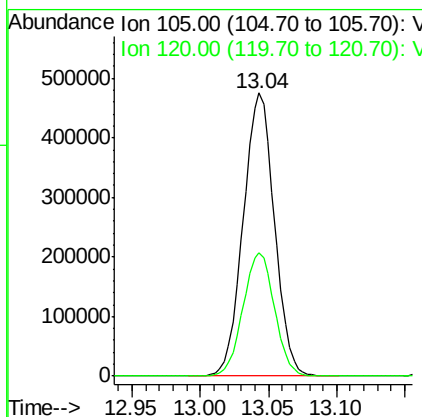
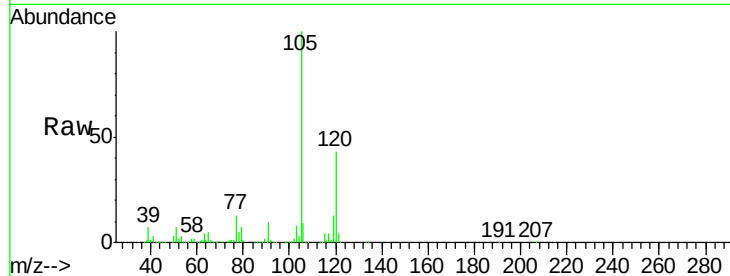
#84
 1,2,4-Trimethylbenzene
 Concen: 23.331 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049229.D
 Acq: 14 Jun 2018 15:50

Instrument :
 MSVOA_N
 ClientSampled :
 MW8DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.2	66.6

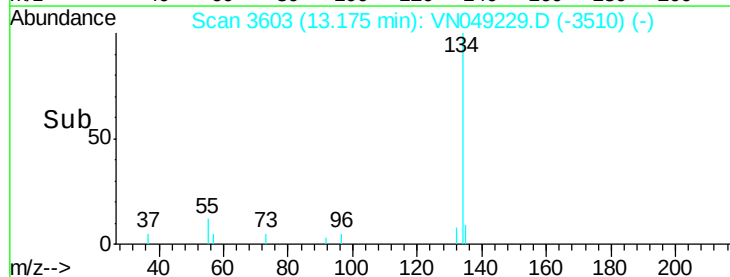
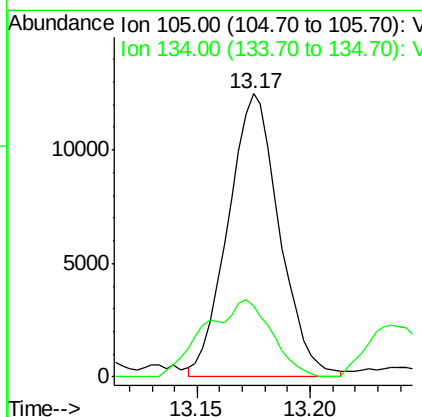
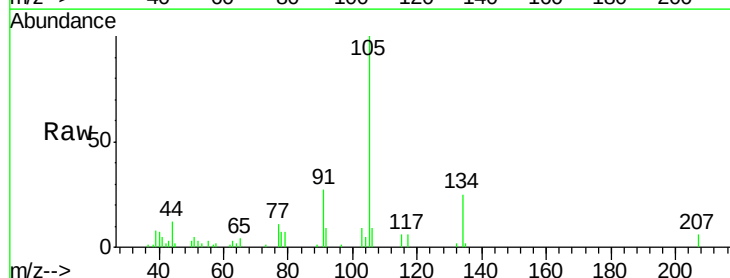
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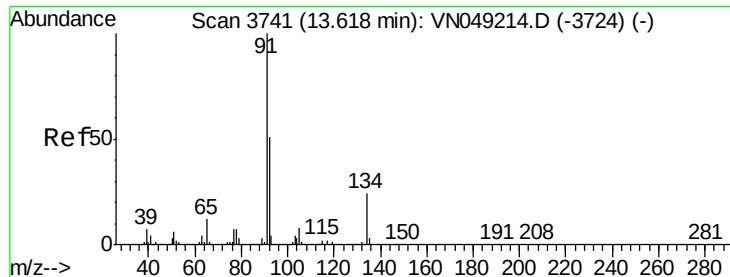
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#85
 sec-Butylbenzene
 Concen: 0.530 ug/l m
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049229.D
 Acq: 14 Jun 2018 15:50

Tgt Ion	Ratio	Lower	Upper
105	100		
134	2.2	9.8	29.3#





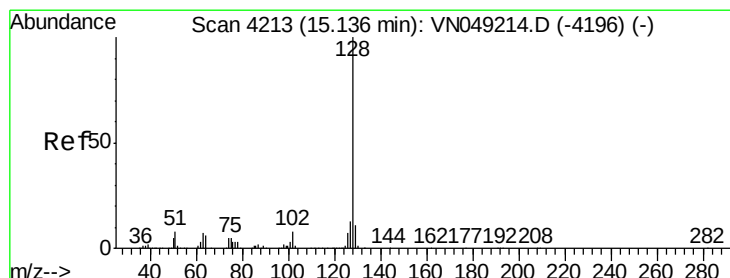
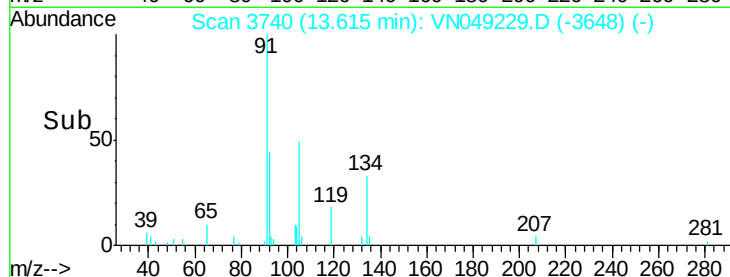
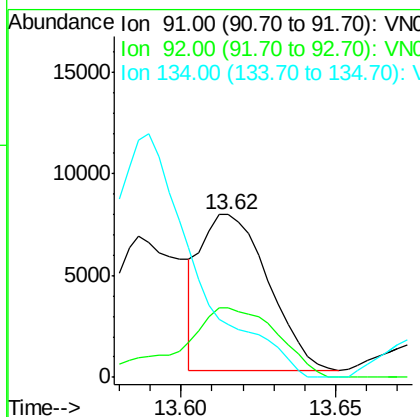
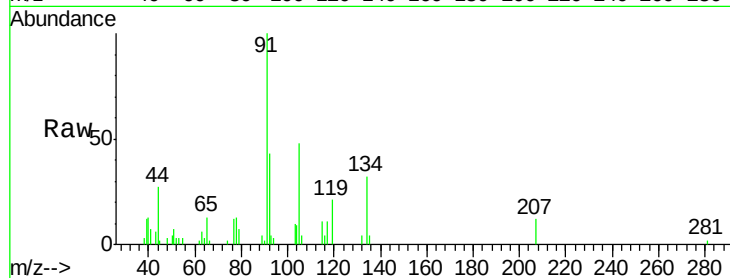
#89
n-Butylbenzene
Concen: 1.978 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Instrument :
MSVOA_N
ClientSampleId :
MW8DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.4	25.1	75.4
134	0.0	12.0	36.0

Manual Integrations
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#95
Naphthalene
Concen: 13.884 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.6	16.0
129	11.2	8.5	12.7

