

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050367.D
 Acq On : 4 Aug 2018 15:21
 Operator : MD\SY
 Sample : J4328-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

Quant Time: Aug 10 09:03:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	660592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1047297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	932160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	418705	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	451984	49.04	ug/l	0.00
Spiked Amount						
			Recovery	=	98.08%	
35) Dibromofluoromethane	7.59	113	402267	47.04	ug/l	0.00
Spiked Amount						
			Recovery	=	94.08%	
50) Toluene-d8	10.09	98	1472098	46.83	ug/l	0.00
Spiked Amount						
			Recovery	=	93.66%	
62) 4-Bromofluorobenzene	12.40	95	463324	44.76	ug/l	0.00
Spiked Amount						
			Recovery	=	89.52%	

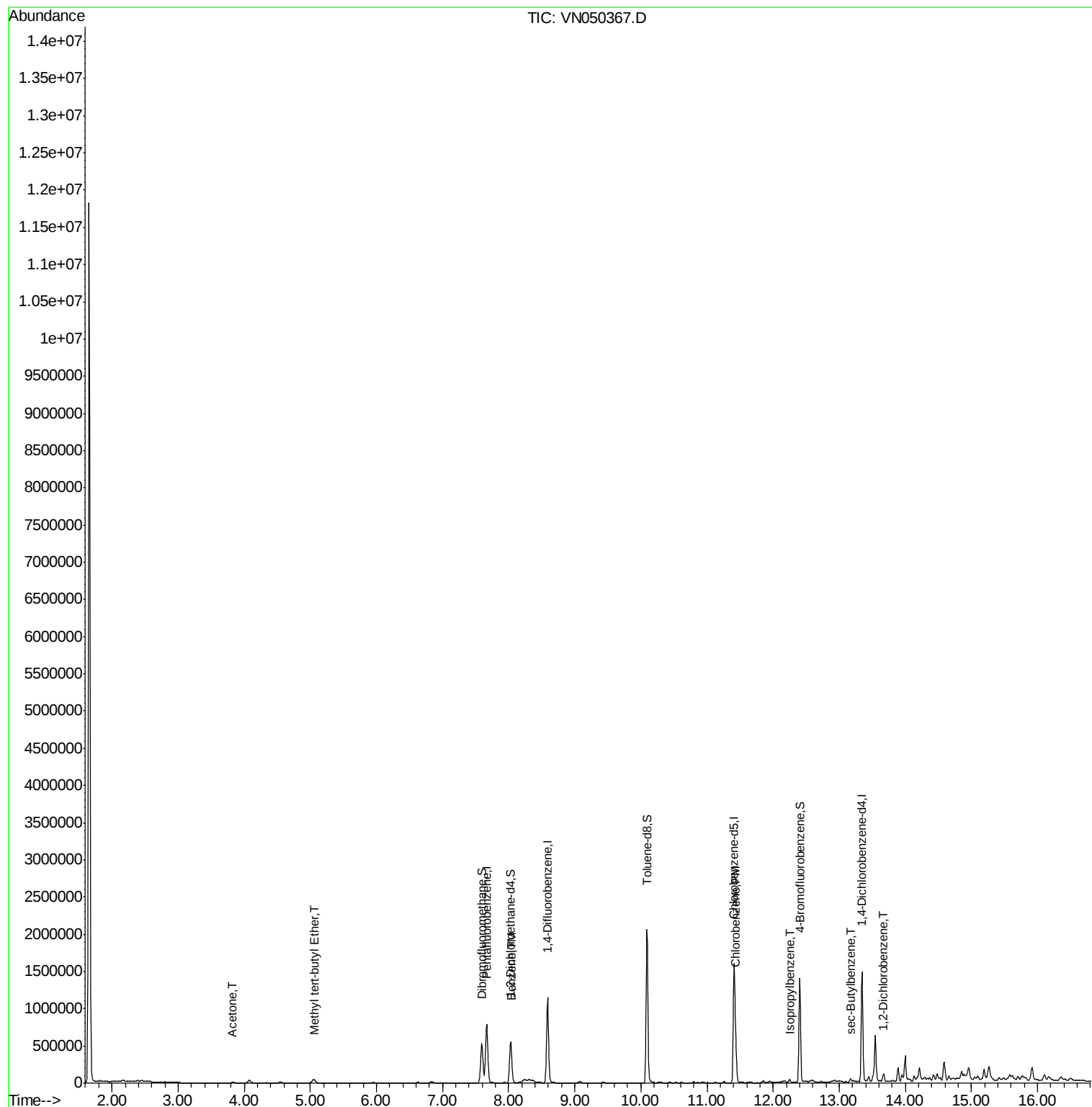
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	24863	7.24	ug/l	95
19) Methyl tert-butyl Ether	5.06	73	71201	3.51	ug/l	# 91
40) Benzene	8.05	78	54120	1.51	ug/l	96
65) Chlorobenzene	11.44	112	301057	12.79	ug/l	99
73) Isopropylbenzene	12.25	105	25208	0.78	ug/l	97
85) sec-Butylbenzene	13.17	105	20980	0.70	ug/l	83
91) 1,2-Dichlorobenzene	13.65	146	9162	0.60	ug/l	87

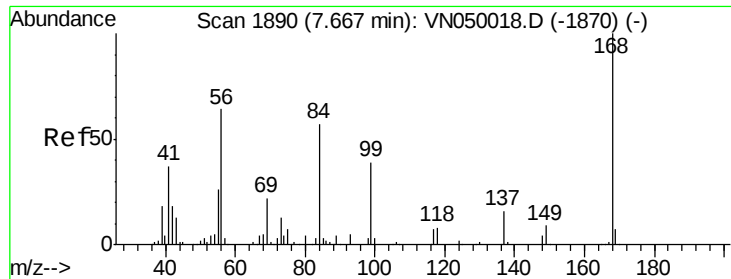
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050367.D

Acq: 4 Aug 2018 15:21

Instrument :

MSVOA_N

ClientSampled :

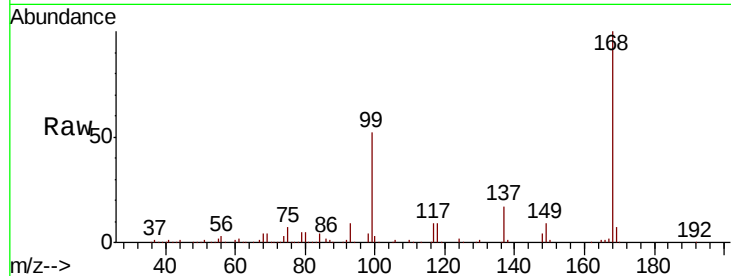
MW-15

Tot Ion:168 Resp: 660592

Ion Ratio Lower Upper

168 100

99 51.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

300000

250000

200000

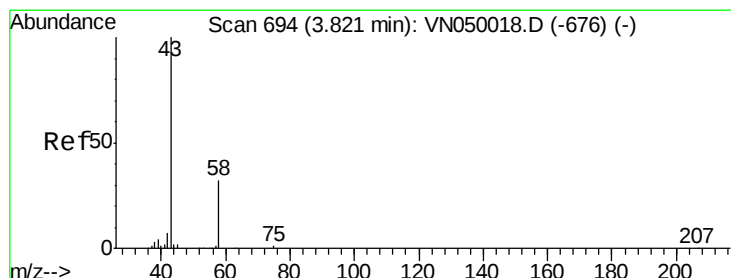
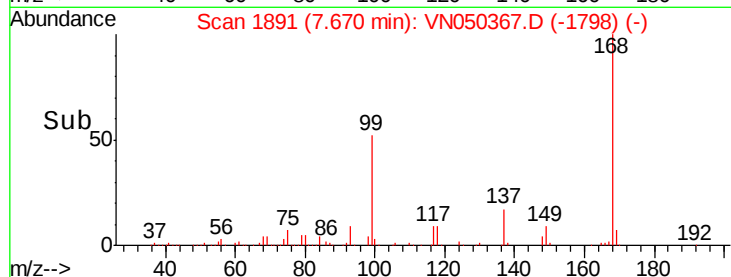
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.24 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050367.D

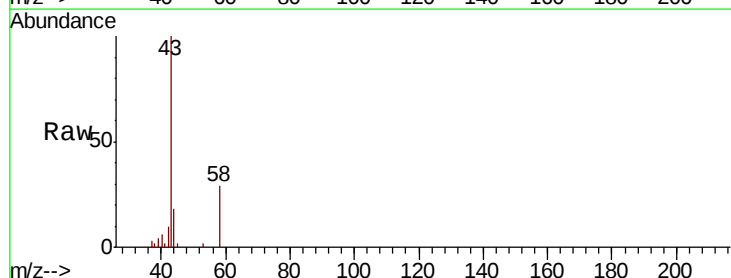
Acq: 4 Aug 2018 15:21

Tgt Ion: 43 Resp: 24863

Ion Ratio Lower Upper

43 100

58 29.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-676) (-)

3.82

10000

8000

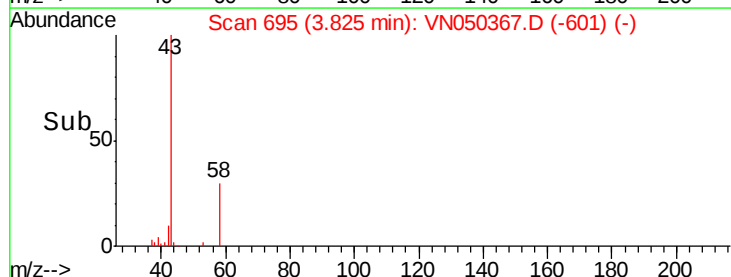
6000

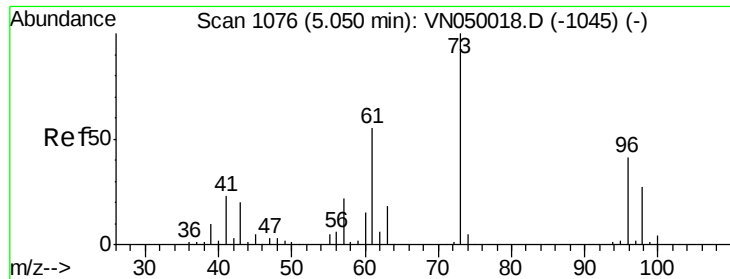
4000

2000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 3.51 ug/l

RT: 5.06 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VN050367.D

Acq: 4 Aug 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

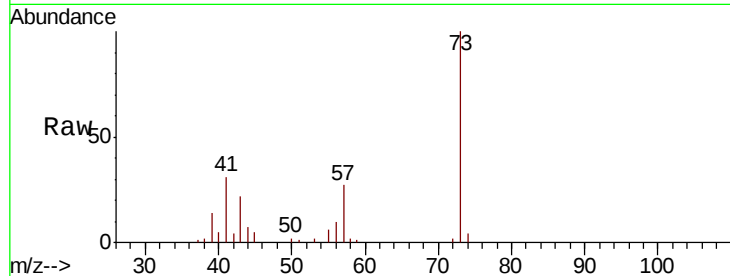
MW-15

Tot Ion: 73 Resp: 71201

Ion Ratio Lower Upper

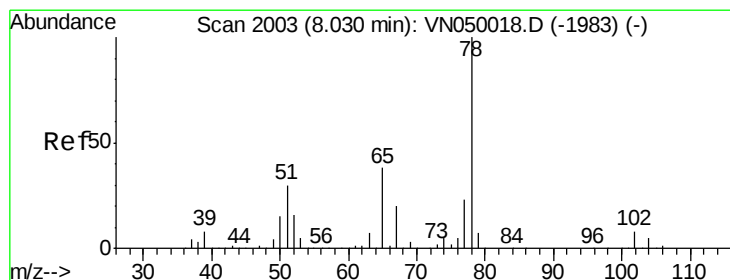
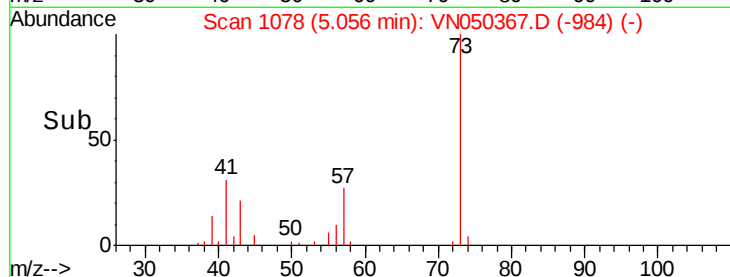
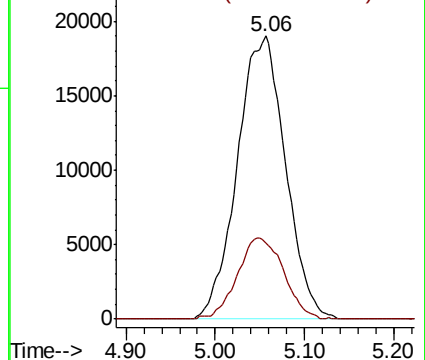
73 100

57 27.0 18.0 27.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.04 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050367.D

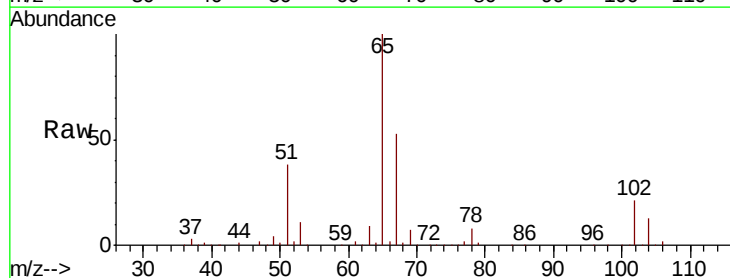
Acq: 4 Aug 2018 15:21

Tgt Ion: 65 Resp: 451984

Ion Ratio Lower Upper

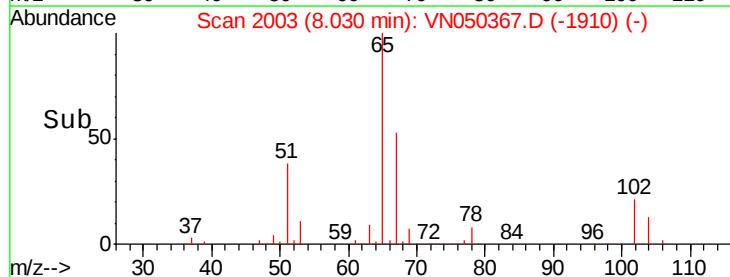
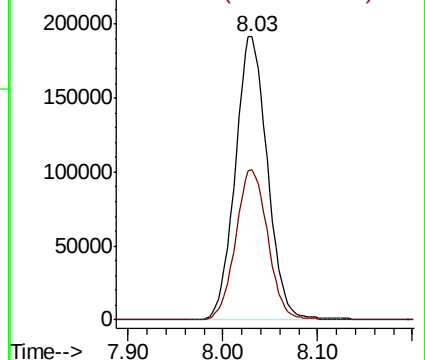
65 100

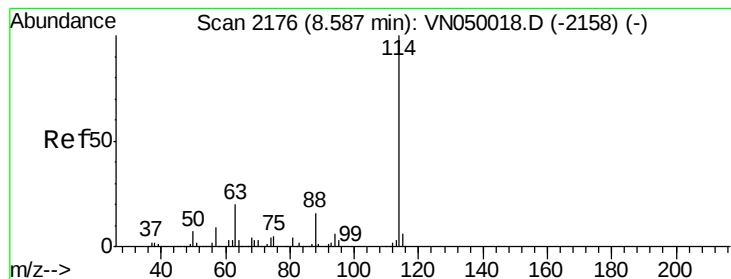
67 53.0 0.0 108.4



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# 2177

Delta R.T. 0.00 min

Lab File: VN050367.D

Acq: 4 Aug 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

MW-15

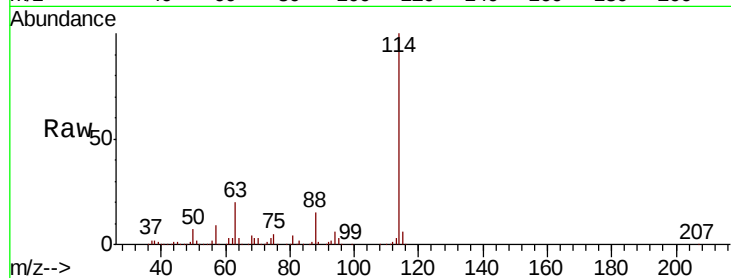
Tot Ion:114 Resp: 1047297

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

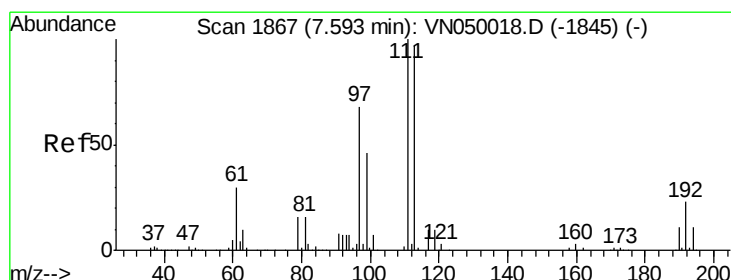
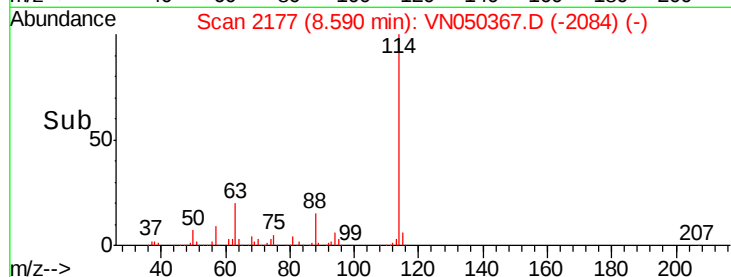
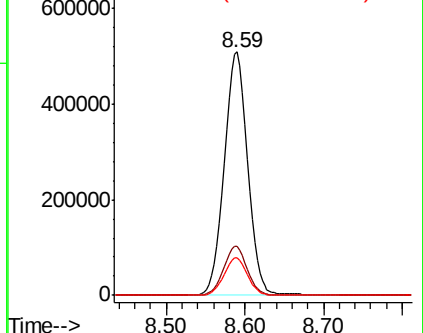
88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.04 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050367.D

Acq: 4 Aug 2018 15:21

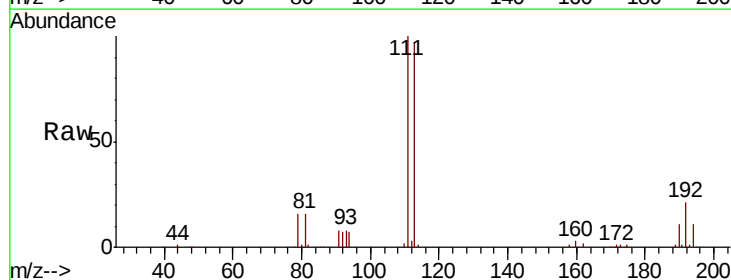
Tgt Ion:113 Resp: 402267

Ion Ratio Lower Upper

113 100

111 102.4 80.7 121.1

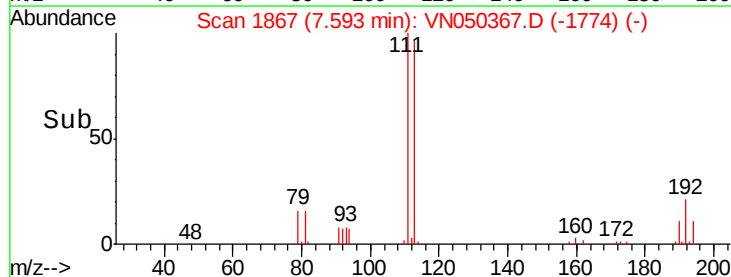
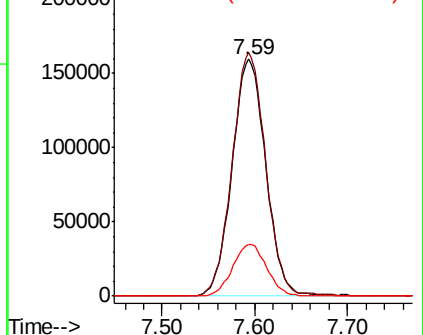
192 22.1 17.8 26.6

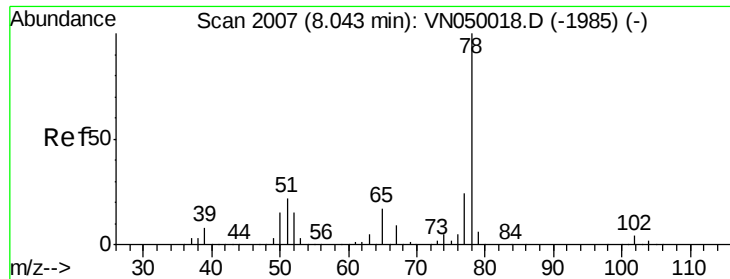


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.51 ug/l

RT: 8.05 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VN050367.D

Acq: 4 Aug 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

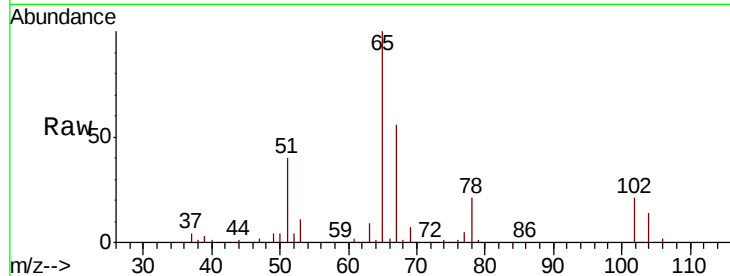
MW-15

Tot Ion: 78 Resp: 54120

Ion Ratio Lower Upper

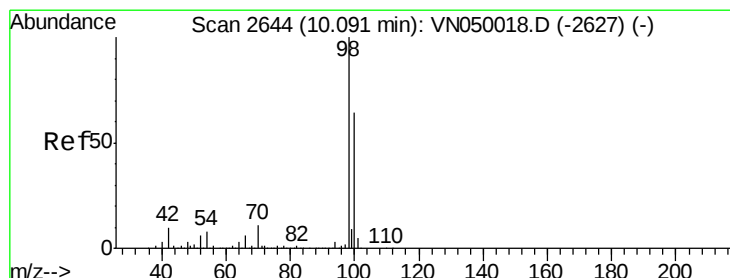
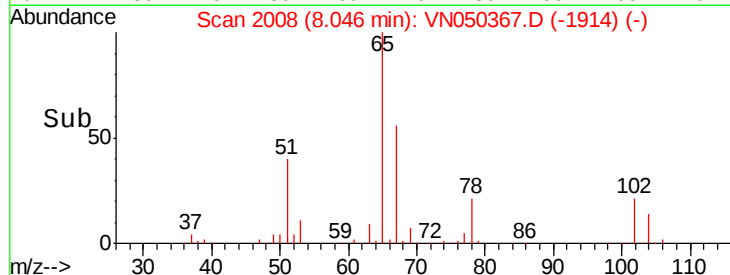
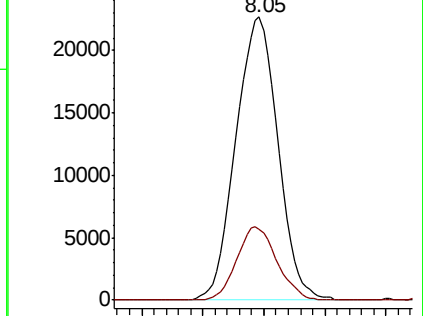
78 100

77 25.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 46.83 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050367.D

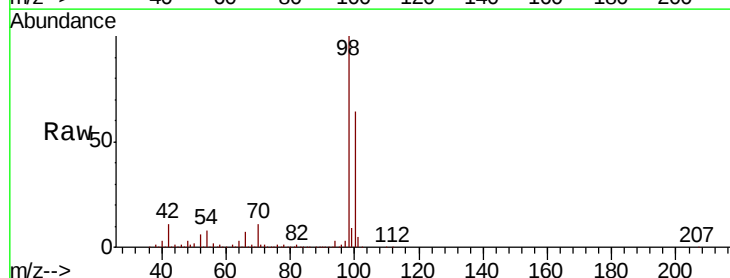
Acq: 4 Aug 2018 15:21

Tgt Ion: 98 Resp: 1472098

Ion Ratio Lower Upper

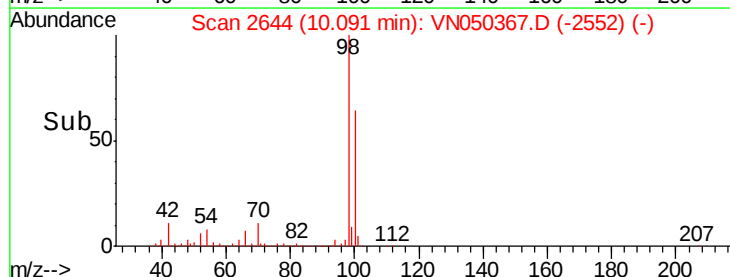
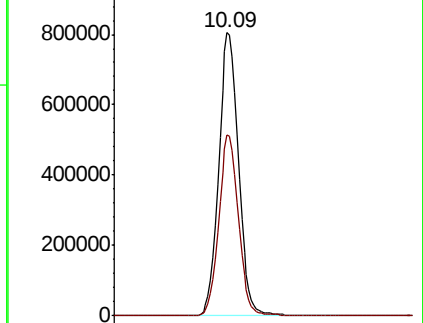
98 100

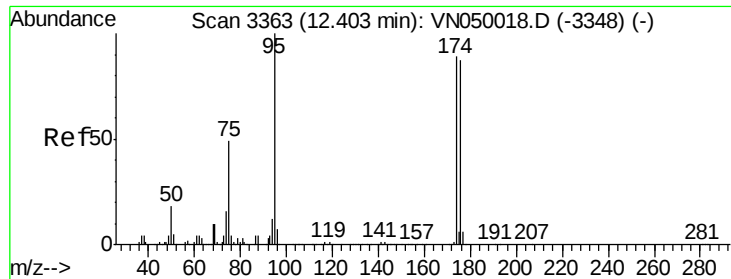
100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 44.76 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050367.D

Acq: 4 Aug 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

MW-15

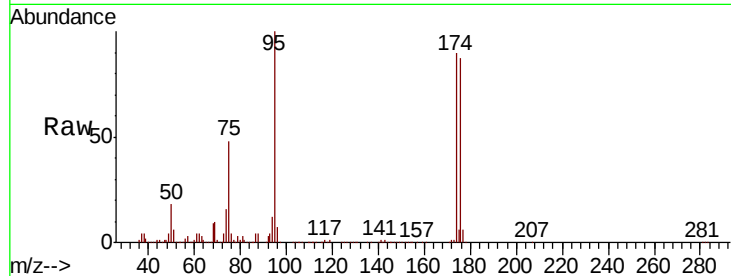
Tot Ion: 95 Resp: 463324

Ion Ratio Lower Upper

95 100

174 90.5 0.0 178.2

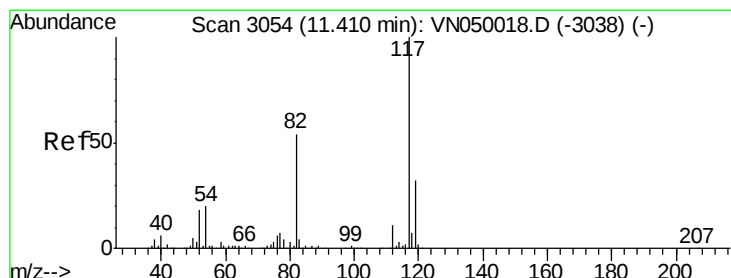
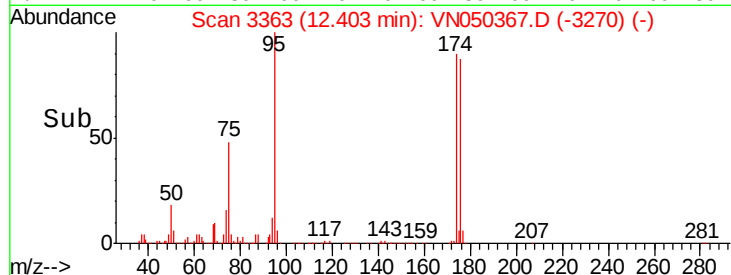
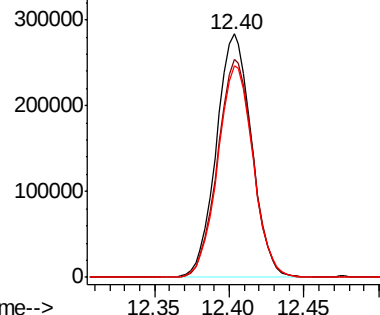
176 87.8 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN050018.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050018.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050018.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050367.D

Acq: 4 Aug 2018 15:21

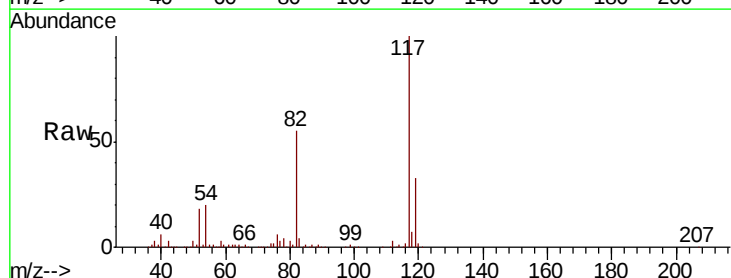
Tgt Ion: 117 Resp: 932160

Ion Ratio Lower Upper

117 100

82 54.5 43.7 65.5

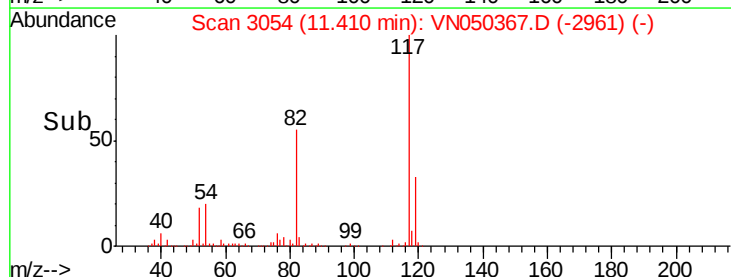
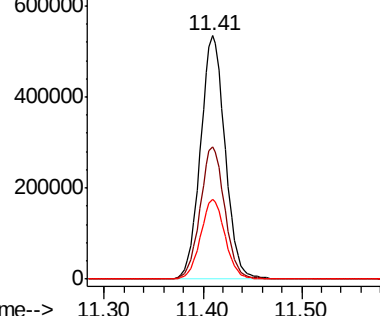
119 32.5 26.1 39.1

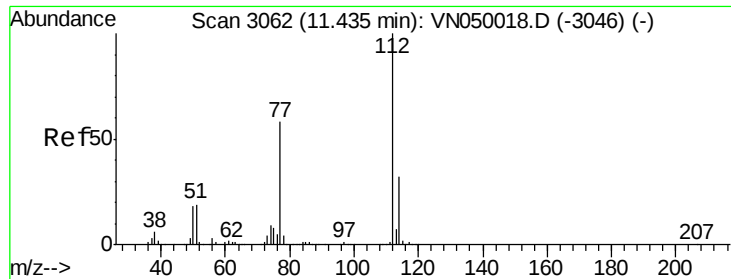


Abundance Ion 116.90 (116.60 to 117.60): VN050018.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050018.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050018.D (-3038) (-)

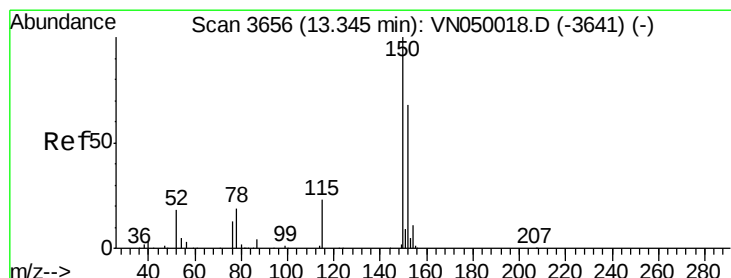
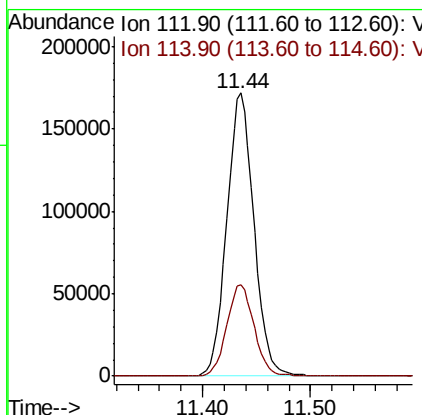
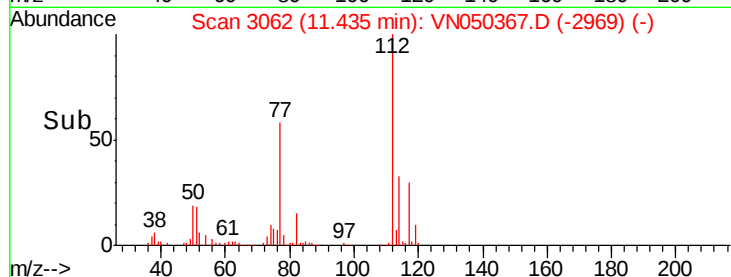
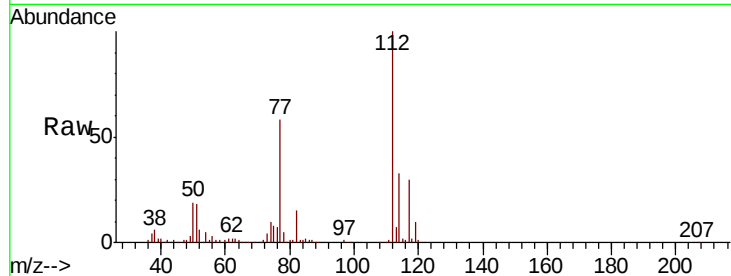




#65
Chlorobenzene
Concen: 12.79 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050367.D
Acq: 4 Aug 2018 15:21

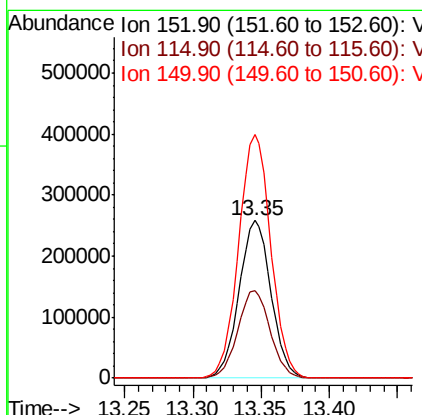
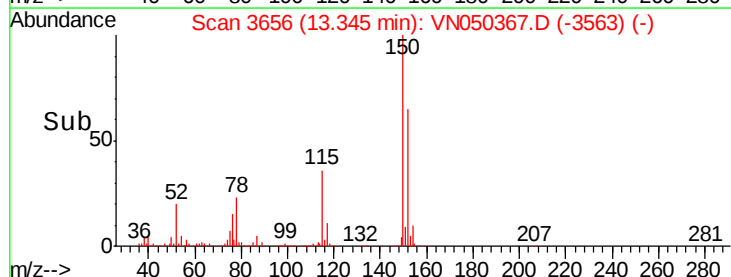
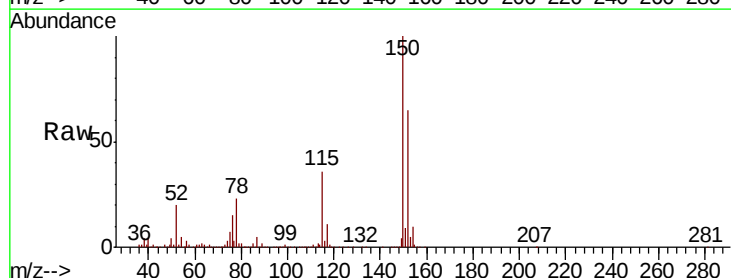
Instrument :
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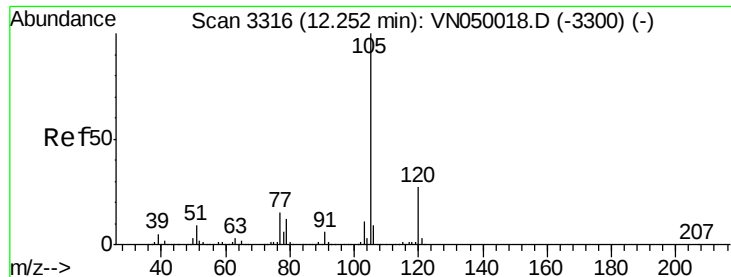
Tot Ion:112 Resp: 301057
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050367.D
Acq: 4 Aug 2018 15:21

Tgt Ion:152 Resp: 418705
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.3
150 155.8 0.0 348.6





#73

Isopropylbenzene

Concen: 0.78 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050367.D

Acq: 4 Aug 2018 15:21

Instrument :

MSVOA_N

ClientSampled :

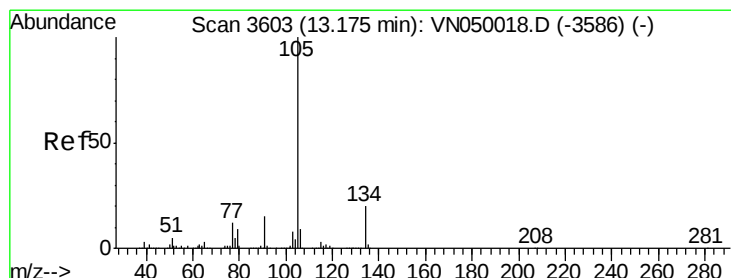
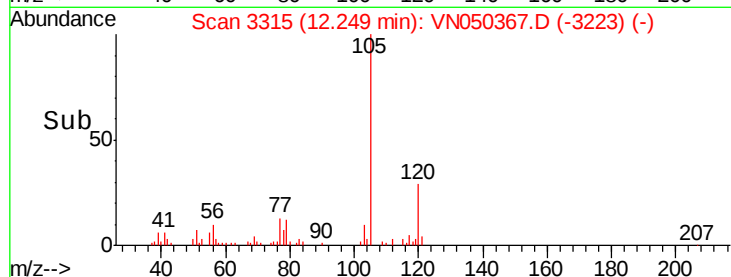
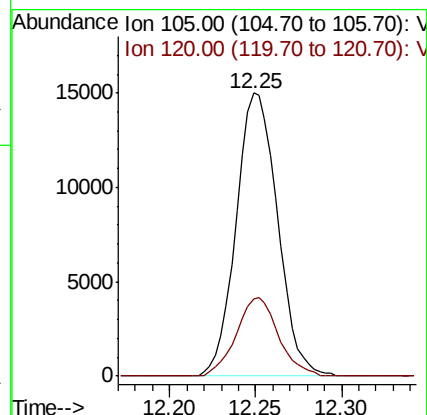
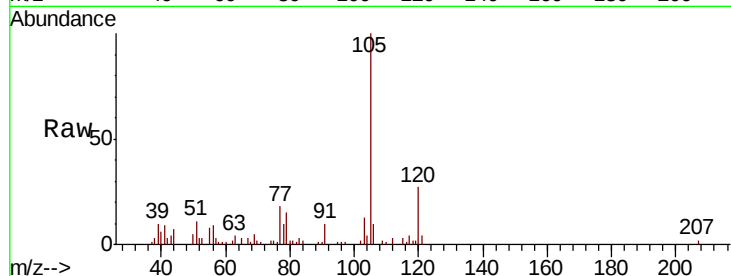
MW-15

Tot Ion:105 Resp: 25208

Ion Ratio Lower Upper

105 100

120 28.1 13.3 39.8



#85

sec-Butylbenzene

Concen: 0.70 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050367.D

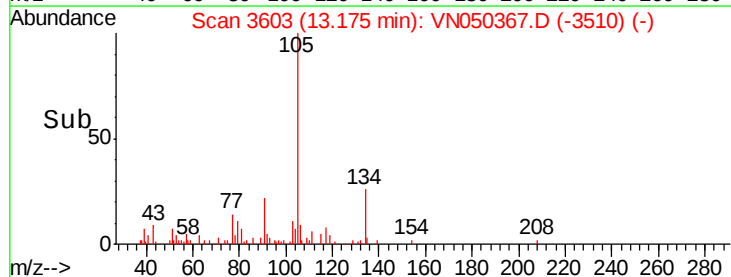
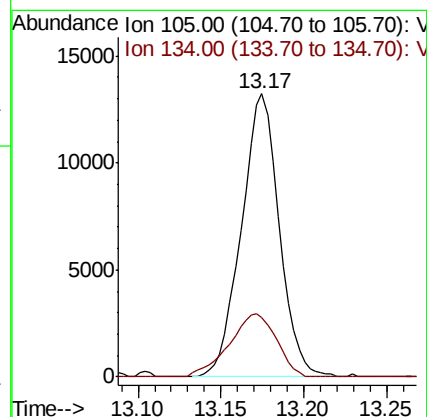
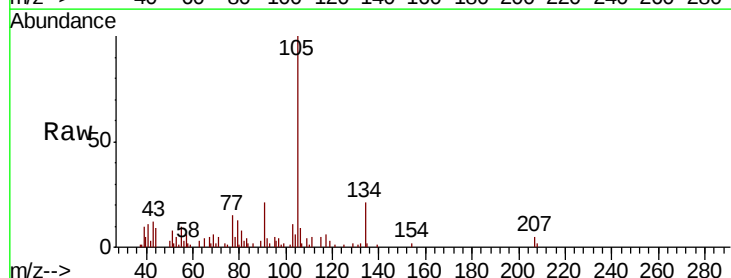
Acq: 4 Aug 2018 15:21

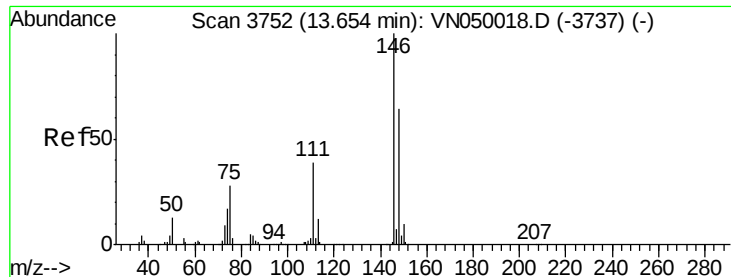
Tgt Ion:105 Resp: 20980

Ion Ratio Lower Upper

105 100

134 27.7 10.1 30.1





#91

1,2-Dichlorobenzene

Concen: 0.60 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050367.D

Acq: 4 Aug 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

MW-15

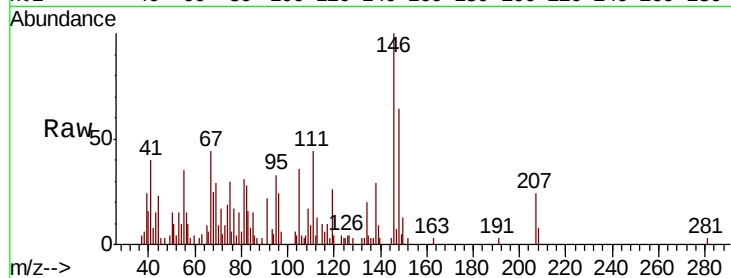
Tot Ion:146 Resp: 9162

Ion Ratio Lower Upper

146 100

111 54.9 19.6 58.7

148 68.6 32.1 96.3



Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

