

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072718\
 Data File : VN050166.D
 Acq On : 28 Jul 2018 7:07
 Operator : MD\SY
 Sample : J4199-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A10

Quant Time: Aug 02 02:09:28 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

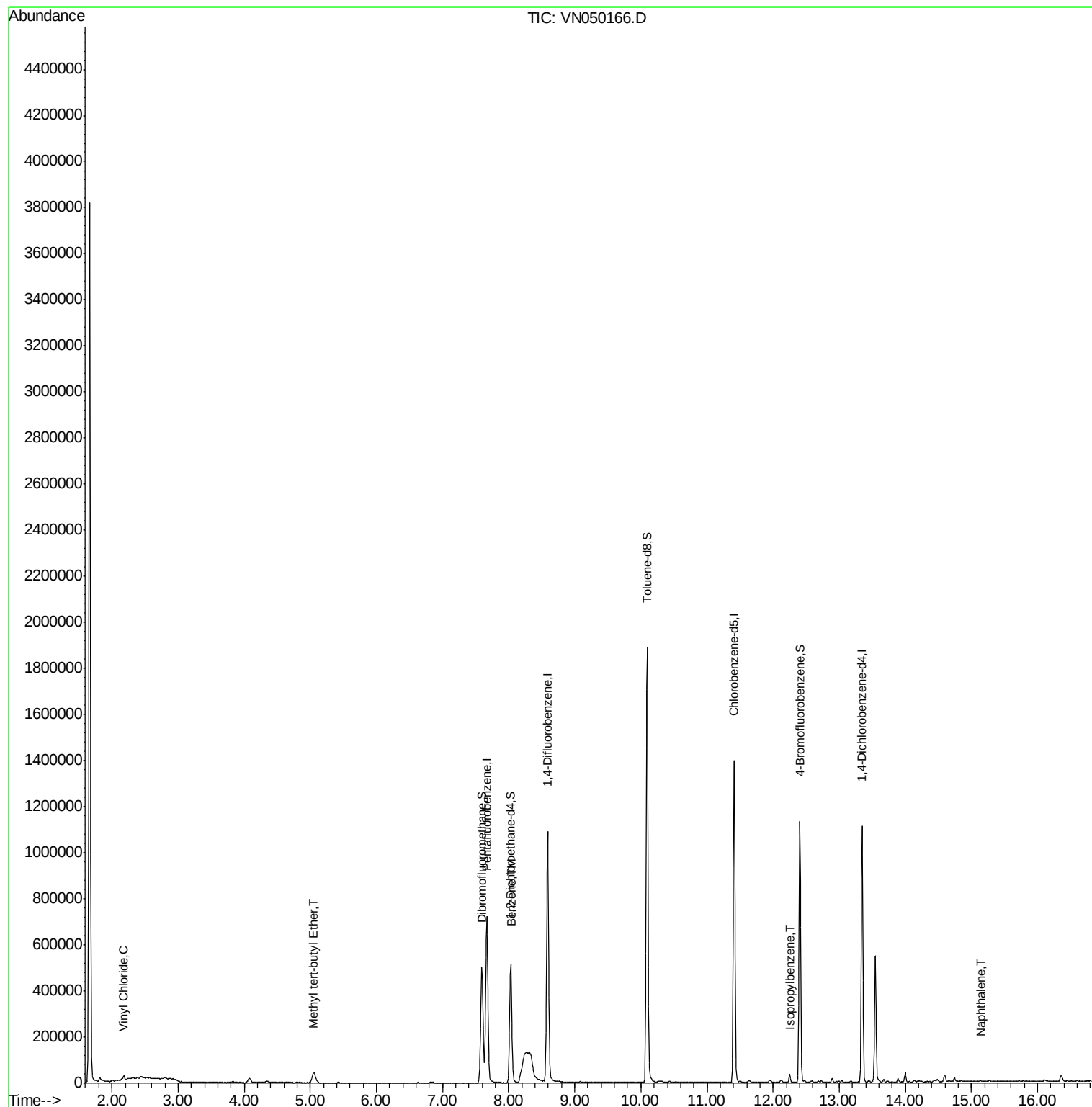
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	616170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1015782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	840625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316044	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	437102	50.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.68%	
35) Dibromofluoromethane	7.60	113	386675	46.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.24%	
50) Toluene-d8	10.09	98	1367868	44.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.72%	
62) 4-Bromofluorobenzene	12.40	95	388142	38.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.32%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.18	62	5240	0.517	ug/l #	56
19) Methyl tert-butyl Ether	5.05	73	68226	3.605	ug/l	97
40) Benzene	8.05	78	16982	0.488	ug/l	94
73) Isopropylbenzene	12.25	105	21317	0.870	ug/l	95
95) Naphthalene	15.14	128	3358	4.627	ug/l #	92

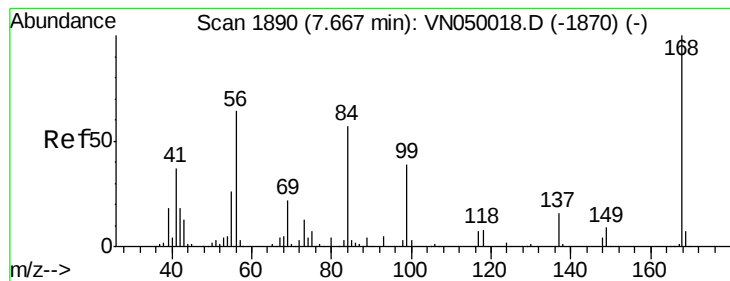
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA_N

ClientSampleId :

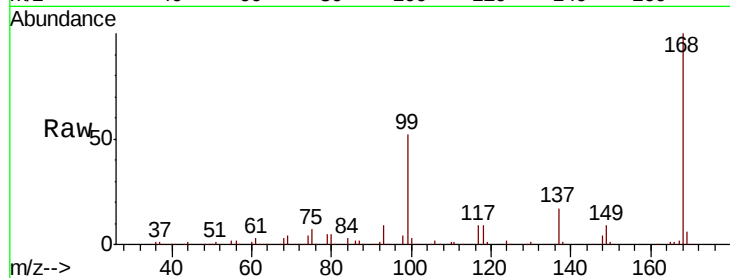
MW-A10

Tgt Ion:168 Resp: 616170

Ion Ratio Lower Upper

168 100

99 52.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

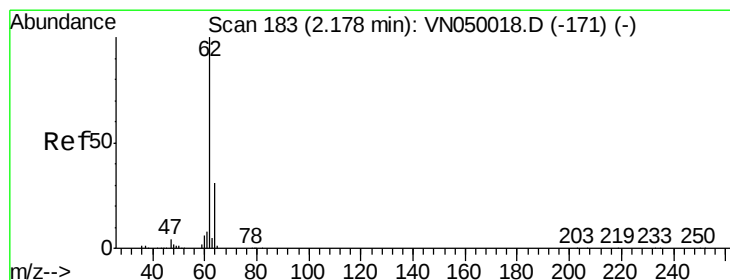
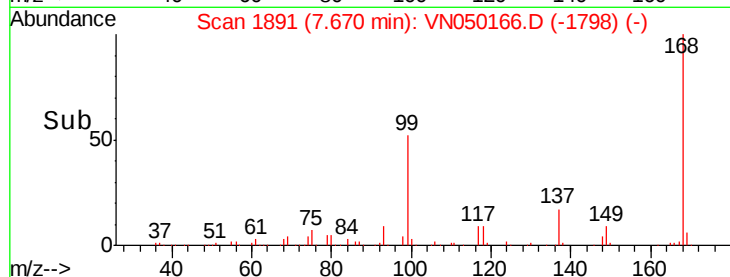
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#4

Vinyl Chloride

Concen: 0.517 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050166.D

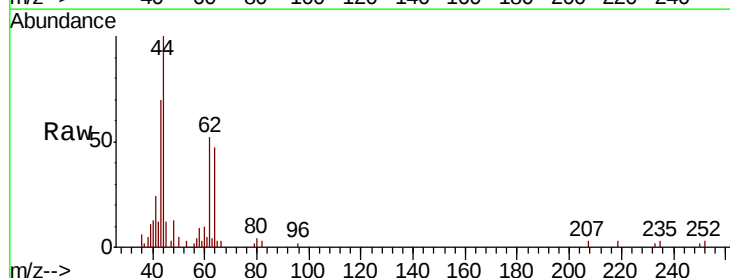
Acq: 28 Jul 2018 7:07

Tgt Ion: 62 Resp: 5240

Ion Ratio Lower Upper

62 100

64 54.8 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

5000

4000

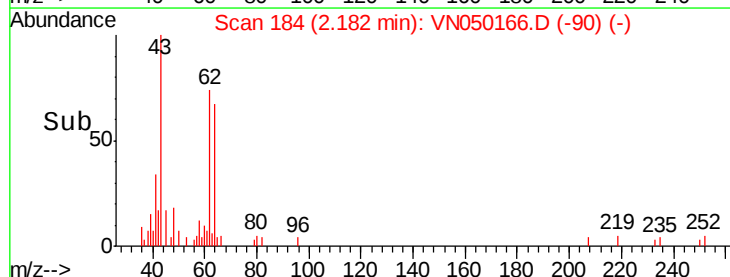
3000

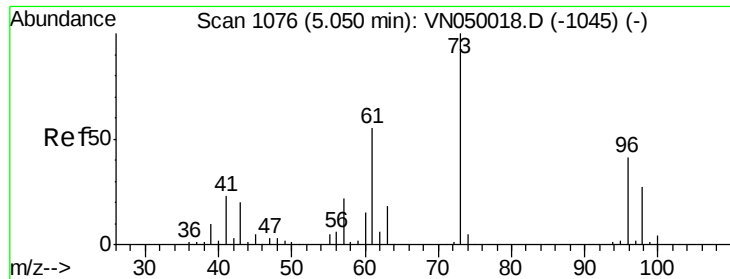
2000

1000

0

Time--> 2.15 2.20 2.25

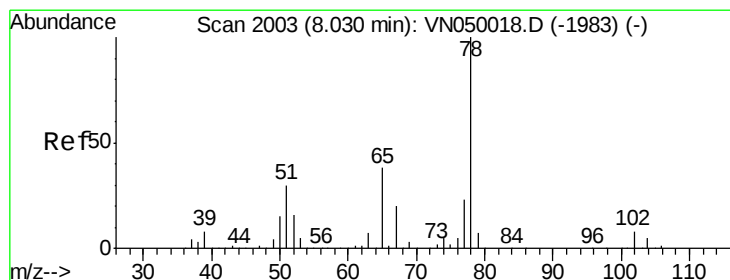
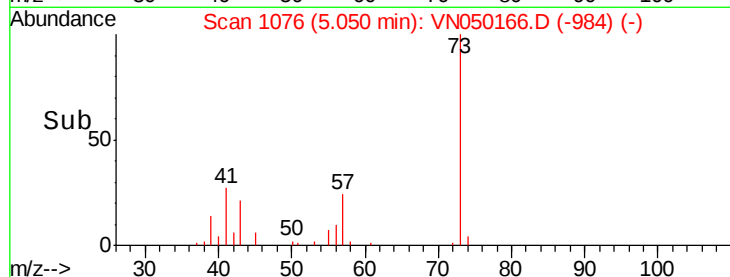
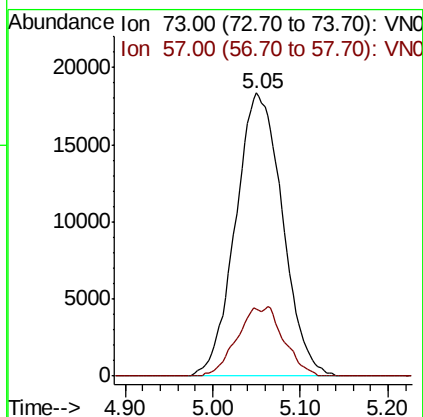
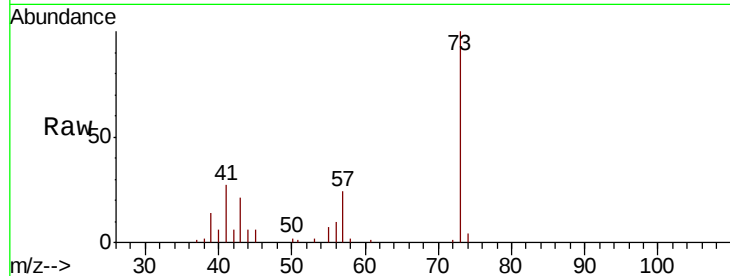




#19
Methyl tert-butyl Ether
Concen: 3.605 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050166.D
Acq: 28 Jul 2018 7:07

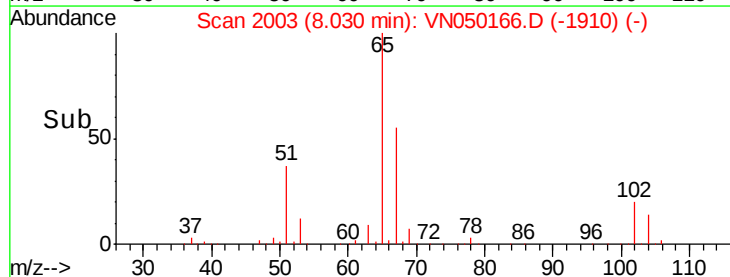
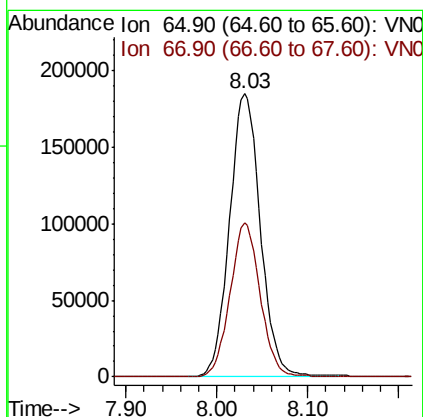
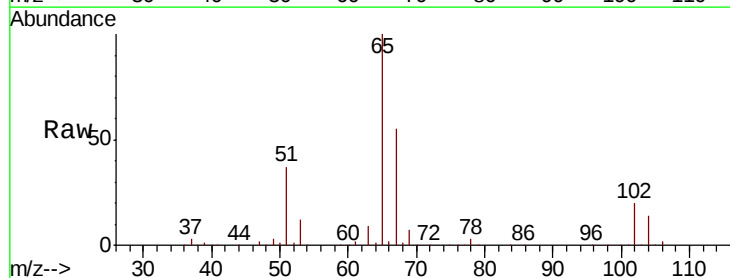
Instrument :
MSVOA_N
ClientSampled :
MW-A10

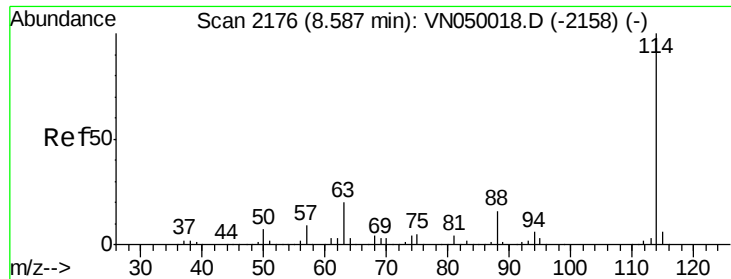
Tgt Ion: 73 Resp: 68226
Ion Ratio Lower Upper
73 100
57 23.8 18.0 27.0



#33
1,2-Dichloroethane-d4
Concen: 50.844 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050166.D
Acq: 28 Jul 2018 7:07

Tgt Ion: 65 Resp: 437102
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.4

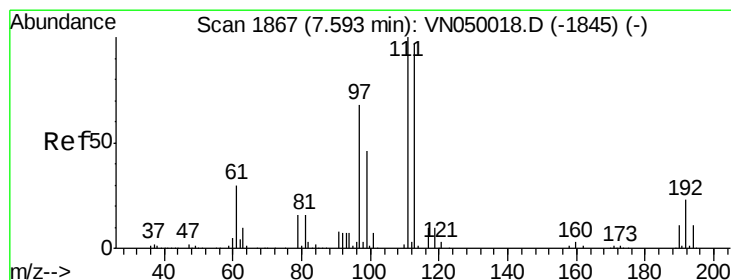
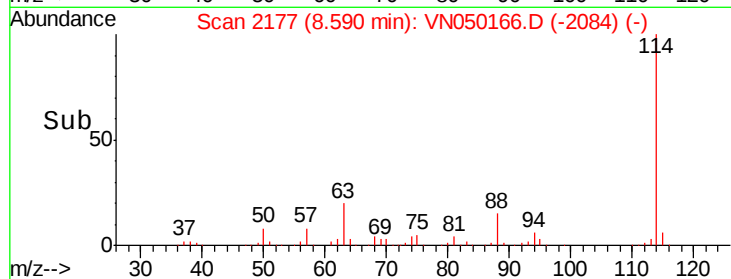
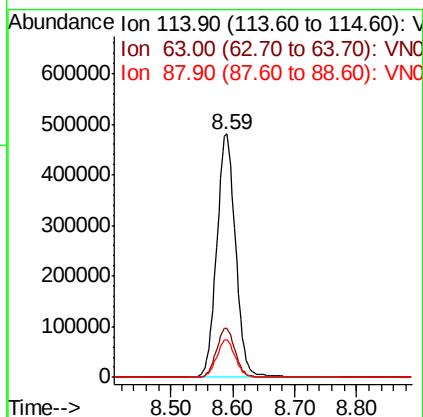
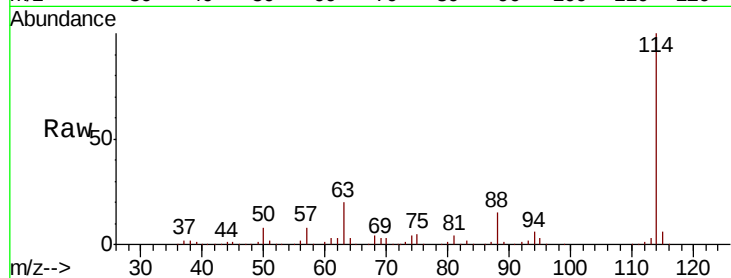




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VN050166.D
Acq: 28 Jul 2018 7:07

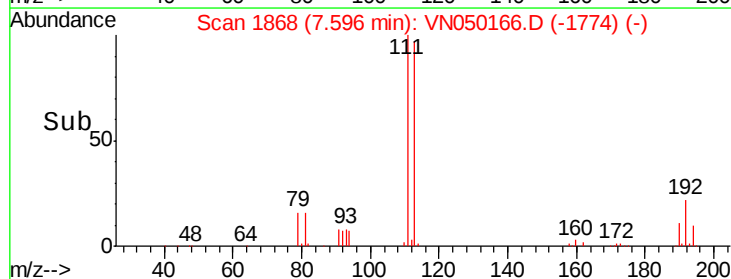
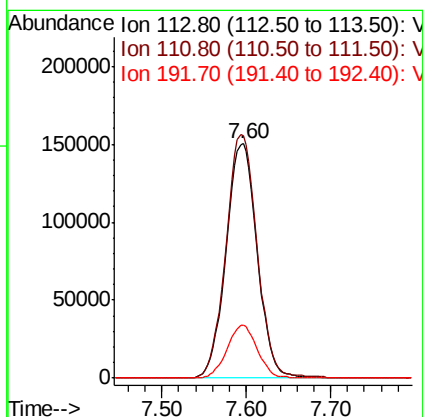
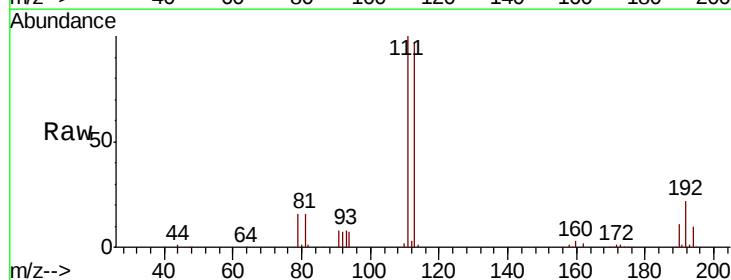
Instrument :
MSVOA_N
ClientSampleId :
MW-A10

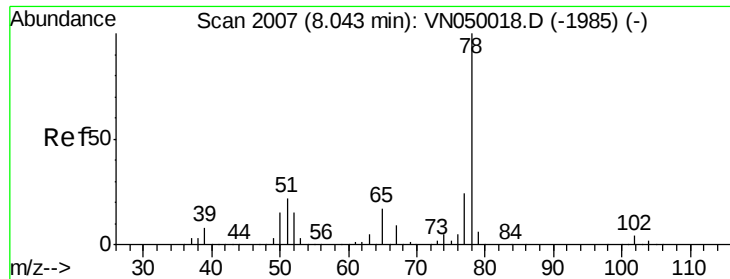
Tgt Ion:114 Resp: 1015782
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.0
88 15.4 0.0 31.2



#35
Dibromofluoromethane
Concen: 46.623 ug/l
RT: 7.60 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN050166.D
Acq: 28 Jul 2018 7:07

Tgt Ion:113 Resp: 386675
Ion Ratio Lower Upper
113 100
111 103.9 80.7 121.1
192 21.9 17.8 26.6





#40

Benzene

Concen: 0.488 ug/l

RT: 8.05 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA_N

ClientSampleId :

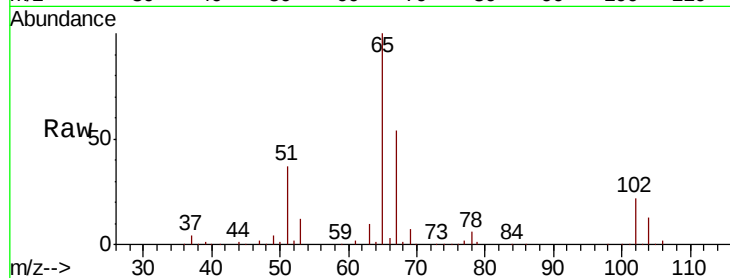
MW-A10

Tgt Ion: 78 Resp: 16982

Ion Ratio Lower Upper

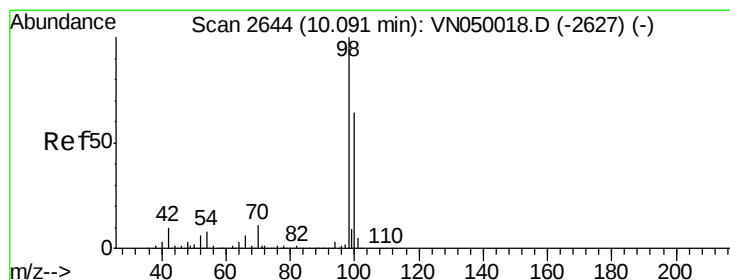
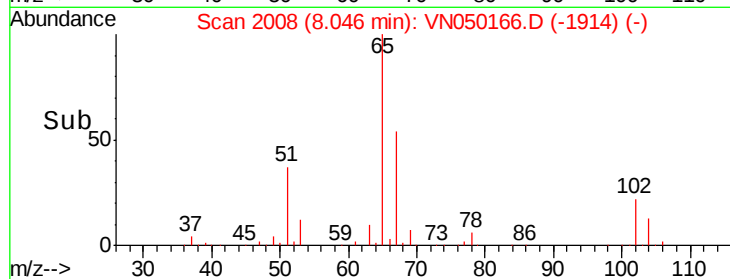
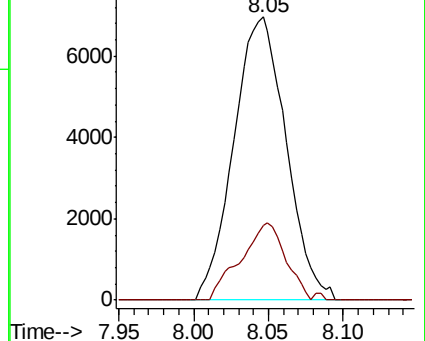
78 100

77 26.3 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: 44.862 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050166.D

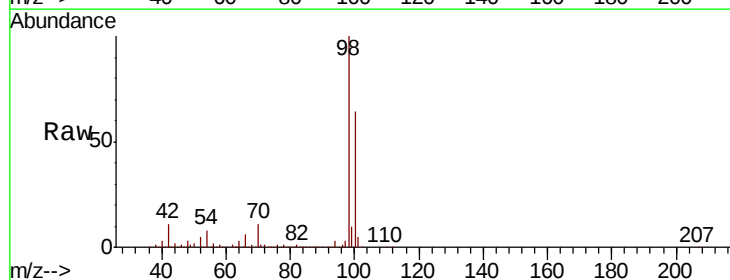
Acq: 28 Jul 2018 7:07

Tgt Ion: 98 Resp: 1367868

Ion Ratio Lower Upper

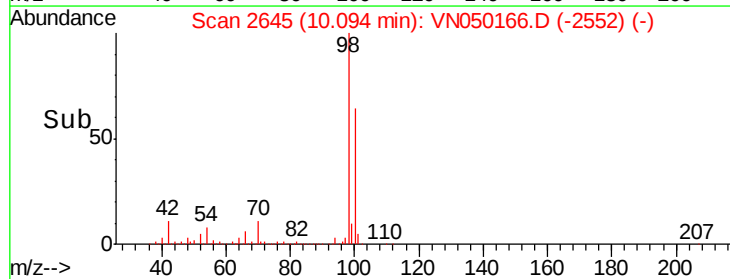
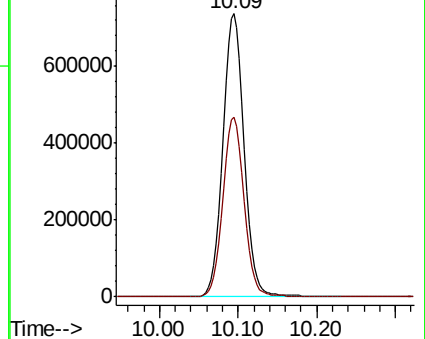
98 100

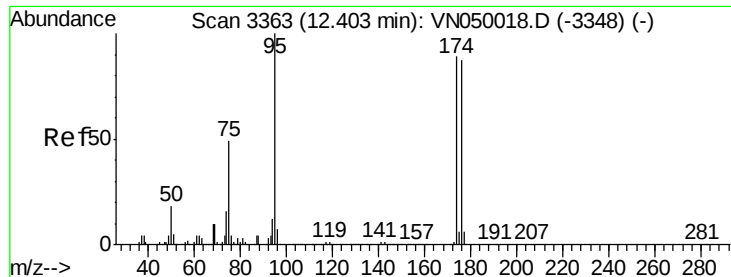
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 38.660 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA_N

ClientSampleId :

MW-A10

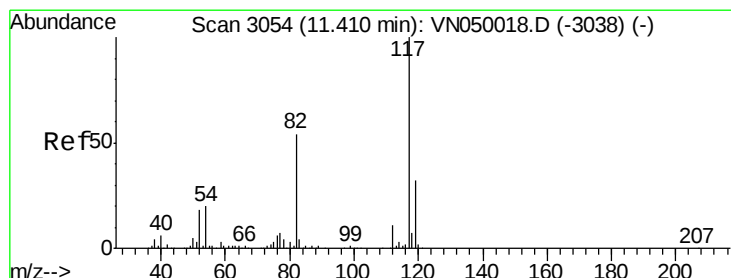
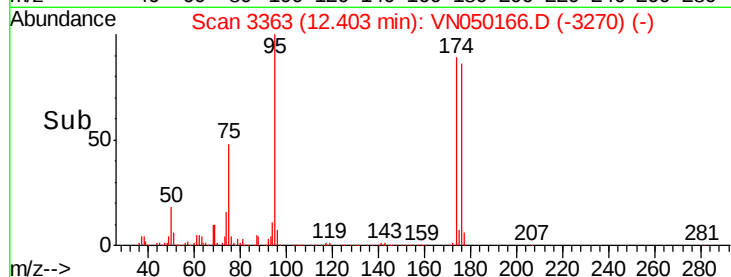
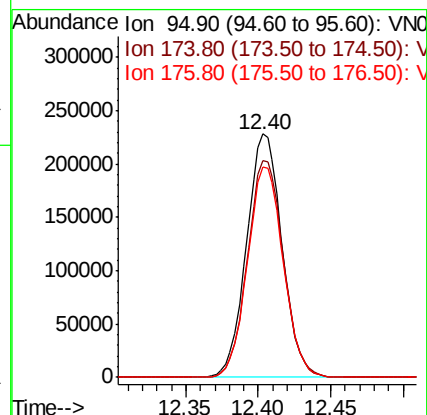
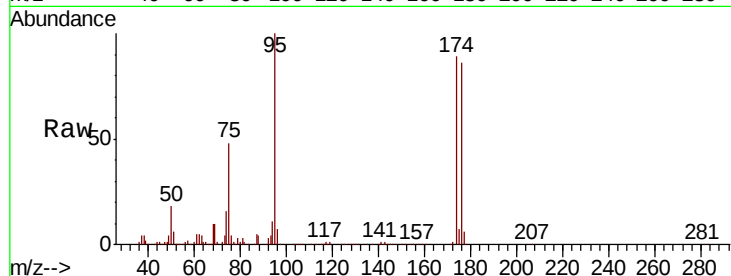
Tgt Ion: 95 Resp: 388142

Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.2

176 87.1 0.0 173.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

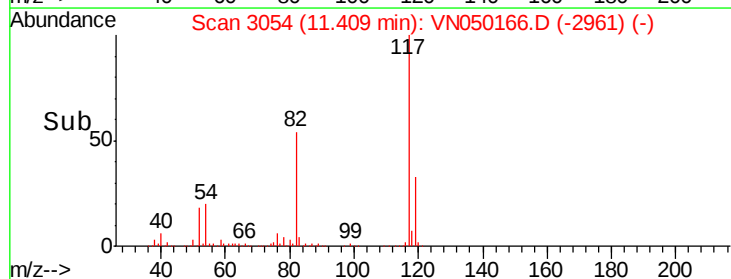
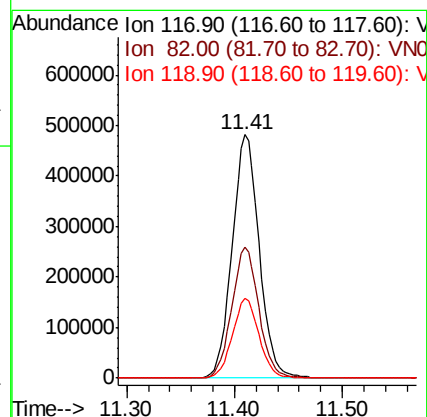
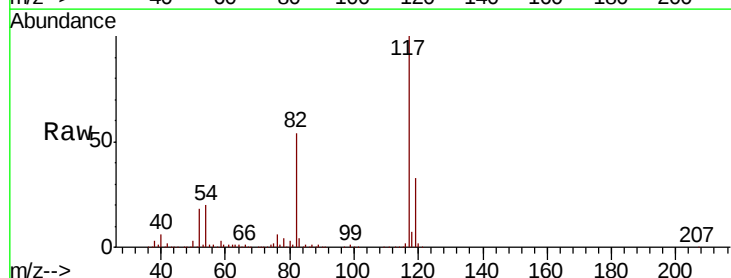
Tgt Ion: 117 Resp: 840625

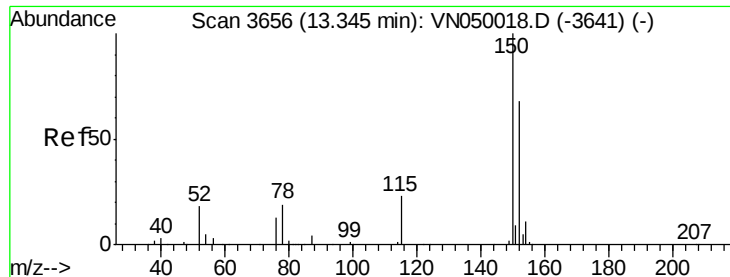
Ion Ratio Lower Upper

117 100

82 53.9 43.7 65.5

119 32.5 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA_N

ClientSampleId :

MW-A10

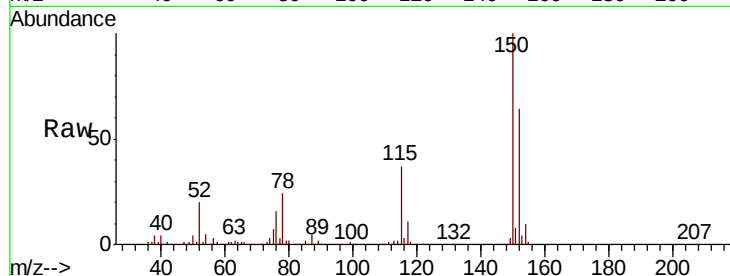
Tgt Ion:152 Resp: 316044

Ion Ratio Lower Upper

152 100

115 57.1 27.8 83.3

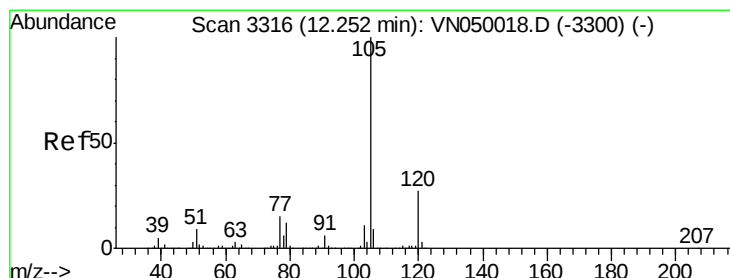
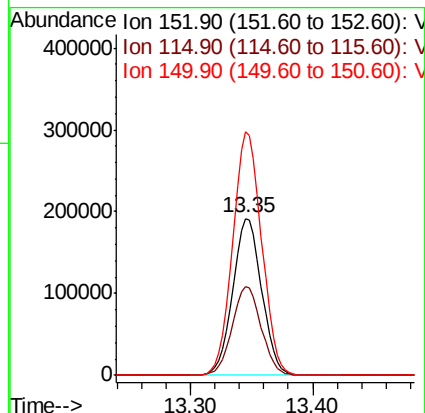
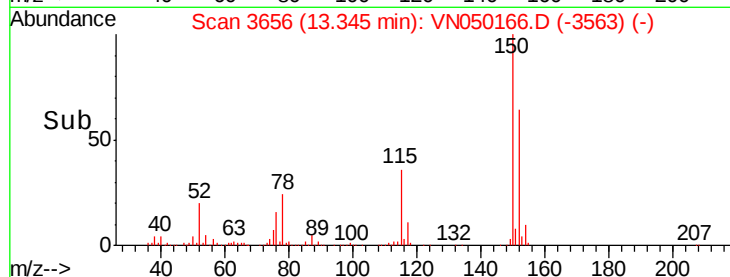
150 155.0 0.0 348.6



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: 0.870 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050166.D

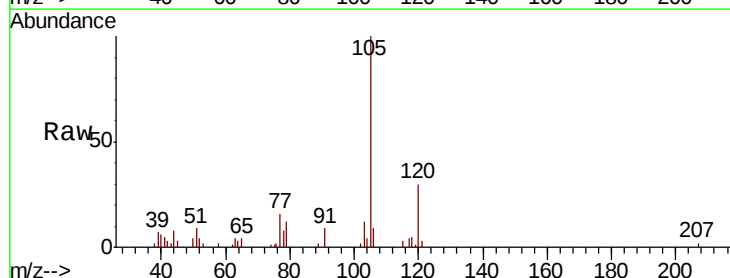
Acq: 28 Jul 2018 7:07

Tgt Ion:105 Resp: 21317

Ion Ratio Lower Upper

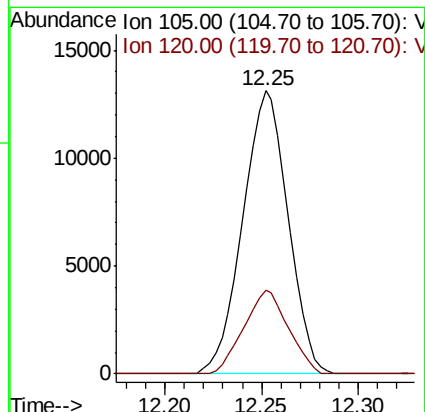
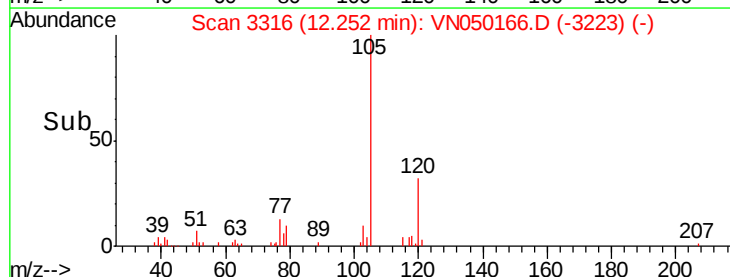
105 100

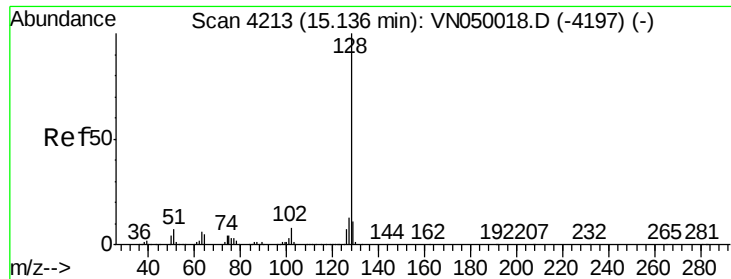
120 29.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

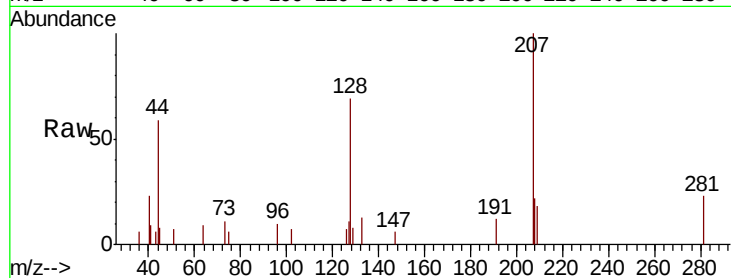




#95
Naphthalene
Concen: 4.627 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN050166.D
Acq: 28 Jul 2018 7:07

Instrument :
MSVOA_N
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MW-A10

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.4	15.6
129	6.6	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

