

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054823.D
 Acq On : 31 Mar 2019 1:18
 Operator : JC/SP
 Sample : K2164-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

Quant Time: Mar 31 05:01:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

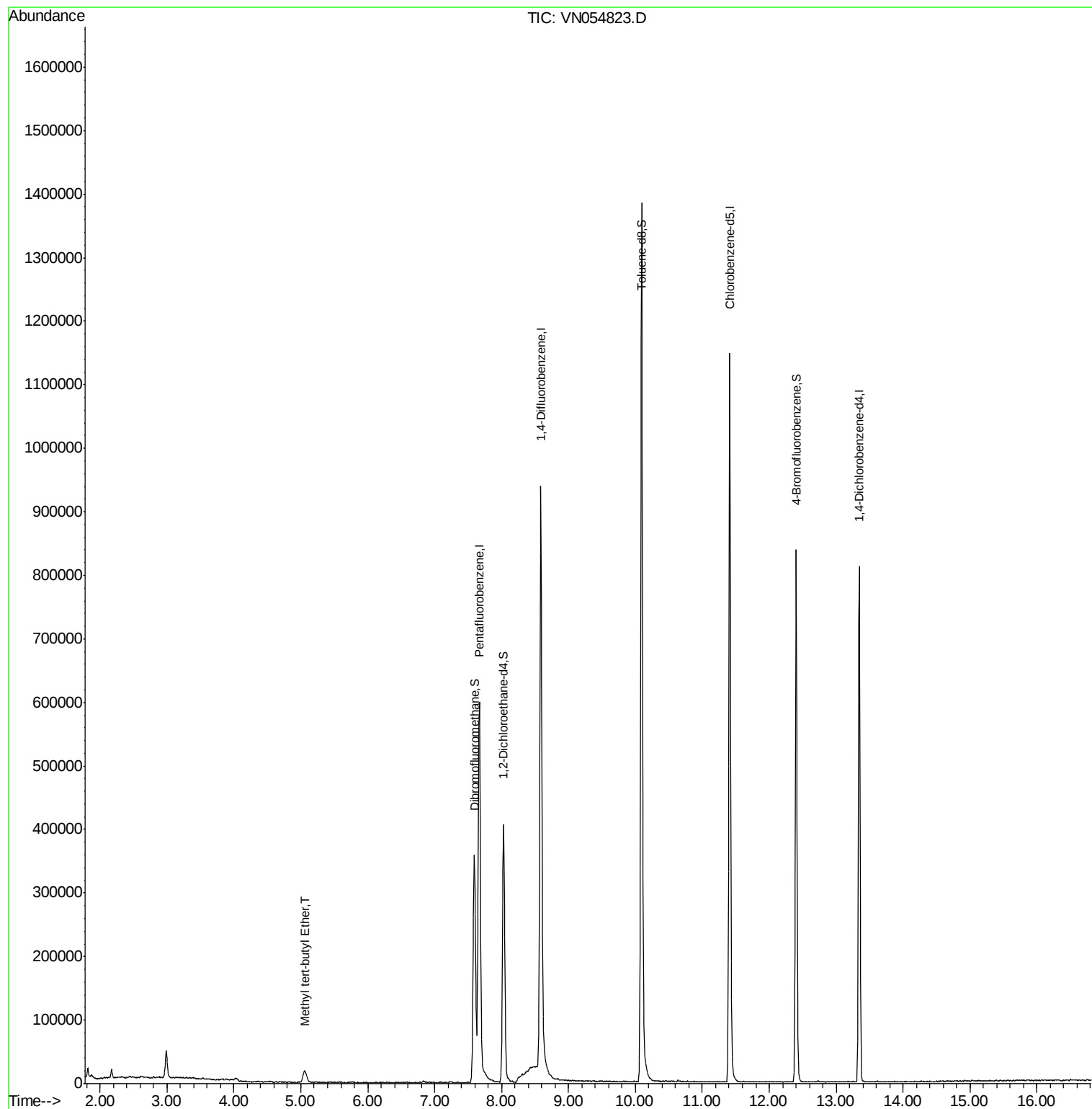
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	511293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	842038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	677349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	219269	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	346690	50.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	273322	48.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.38%	
50) Toluene-d8	10.09	98	993121	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.16%	
62) 4-Bromofluorobenzene	12.40	95	282490	40.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.40%	
Target Compounds						
19) Methyl tert-butyl Ether	5.06	73	29687	2.112	ug/l #	90

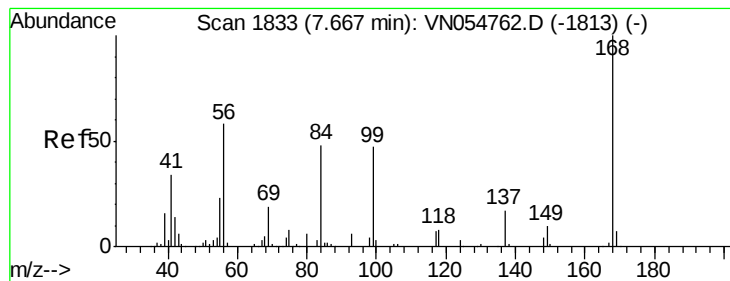
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

Instrument :

MSVOA_N

ClientSampled :

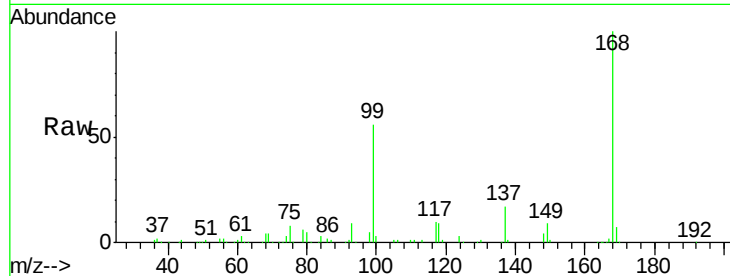
MW-1R

Tot Ion:168 Resp: 511293

Ion Ratio Lower Upper

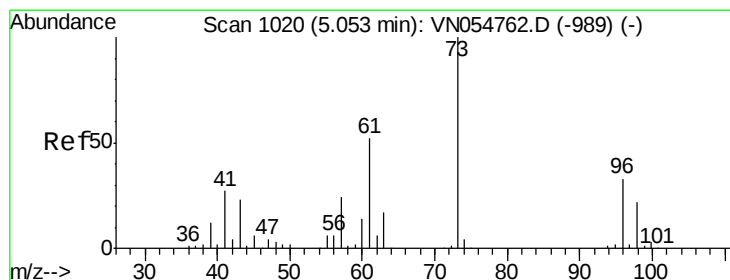
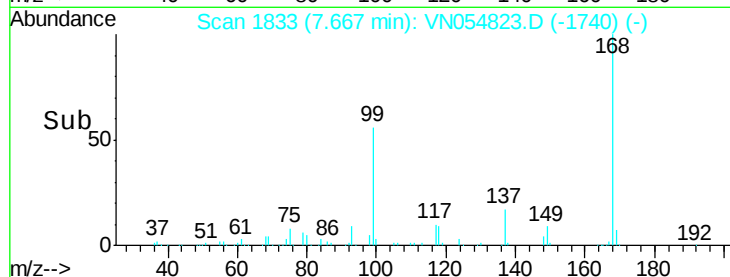
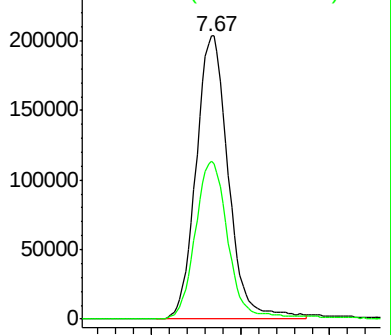
168 100

99 55.7 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#19

Methyl tert-butyl Ether

Concen: 2.112 ug/l

RT: 5.06 min Scan# 1021

Delta R.T. 0.00 min

Lab File: VN054823.D

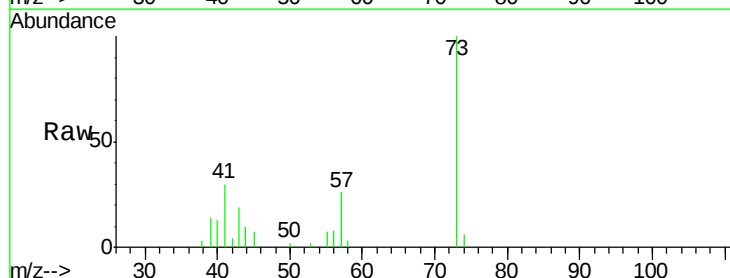
Acq: 31 Mar 2019 1:18

Tgt Ion: 73 Resp: 29687

Ion Ratio Lower Upper

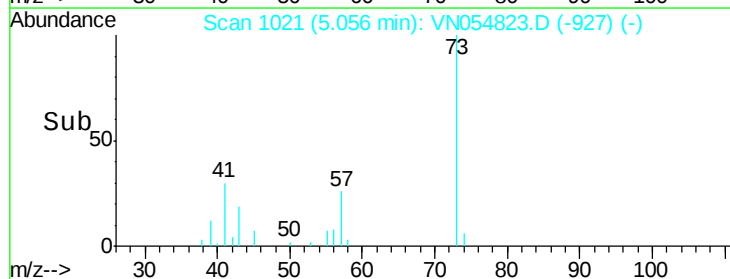
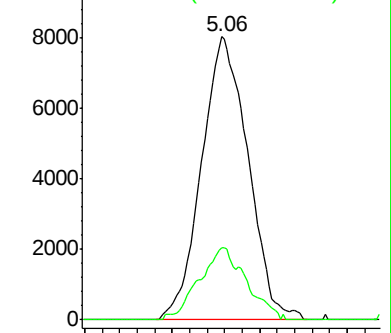
73 100

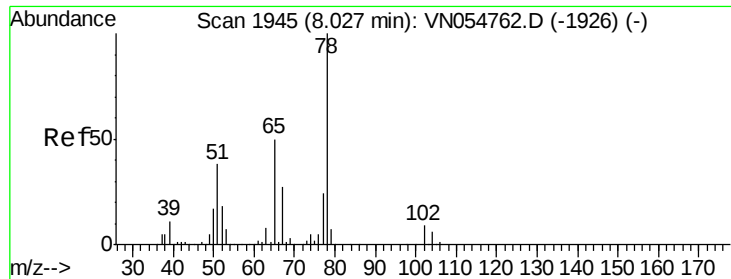
57 25.6 16.8 25.2#



Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#33

1,2-Dichloroethane-d4

Concen: 50.301 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

Instrument :

MSVOA_N

ClientSampleId :

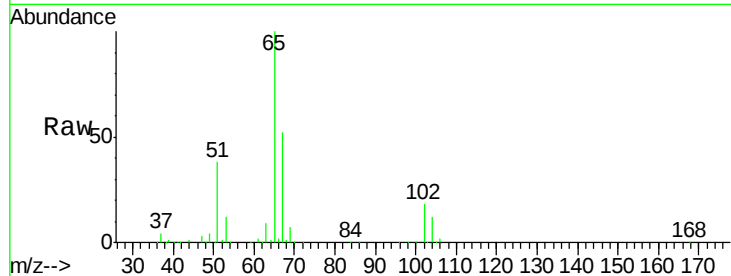
MW-1R

Tot Ion: 65 Resp: 346690

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054823.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054823.D (-1852) (-)

8.03

150000

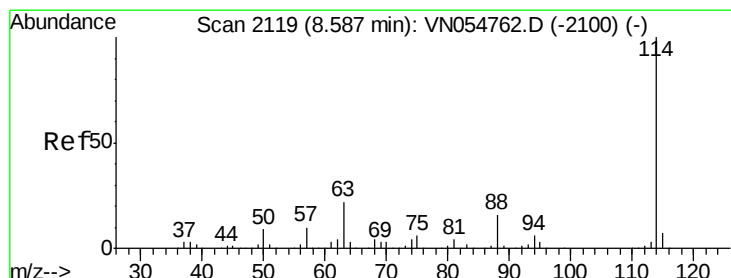
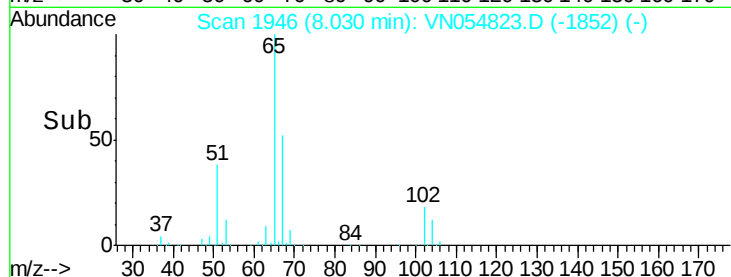
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

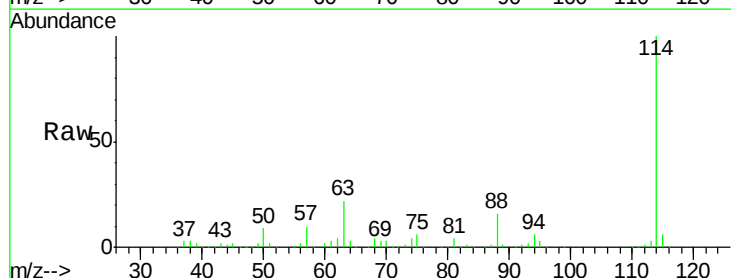
Tgt Ion: 114 Resp: 842038

Ion Ratio Lower Upper

114 100

63 22.2 0.0 35.2

88 15.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054823.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054823.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054823.D (-2026) (-)

8.59

500000

400000

300000

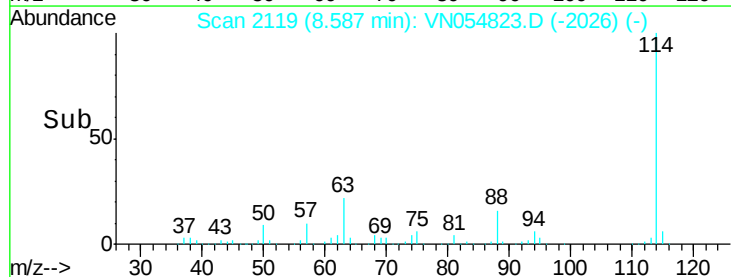
200000

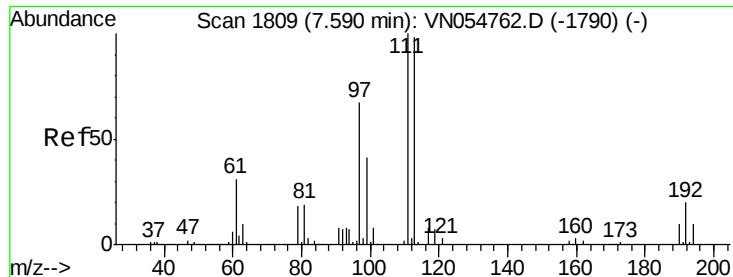
100000

0

8.50 8.60 8.70 8.80

Time-->

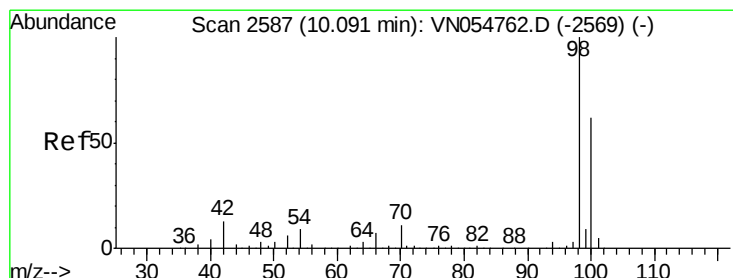
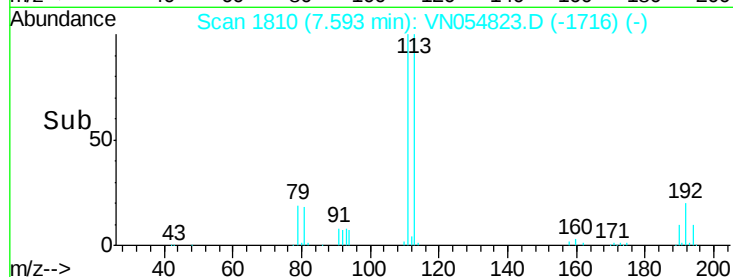
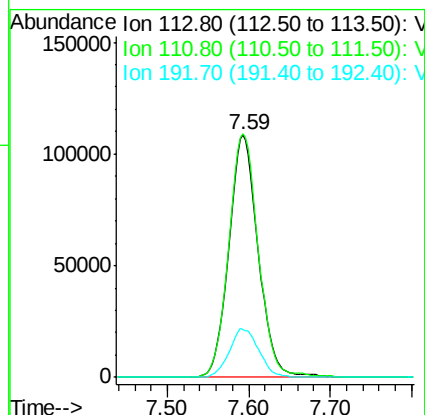
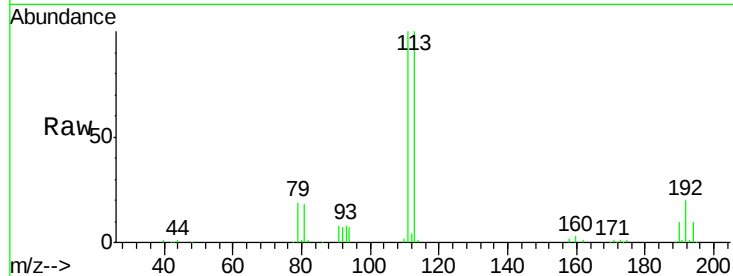




#35
 Dibromofluoromethane
 Concen: 48.688 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054823.D
 Acq: 31 Mar 2019 1:18

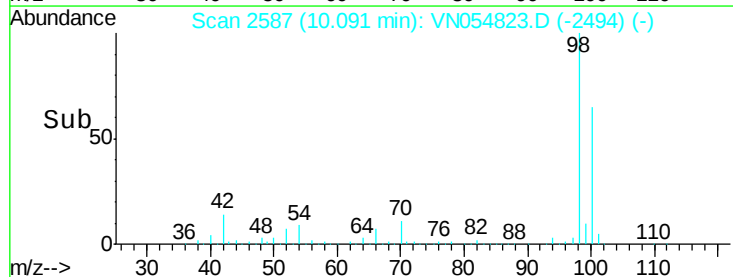
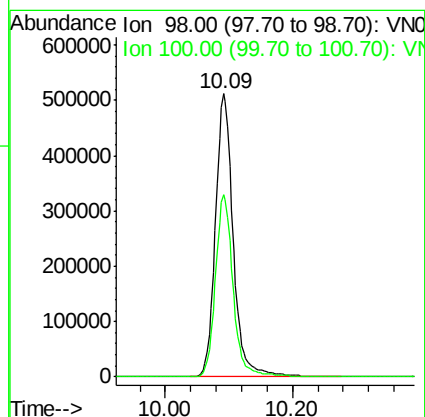
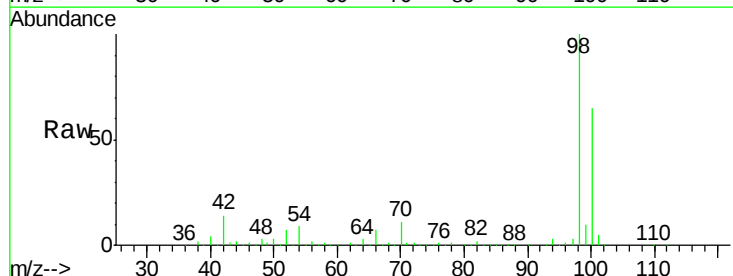
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

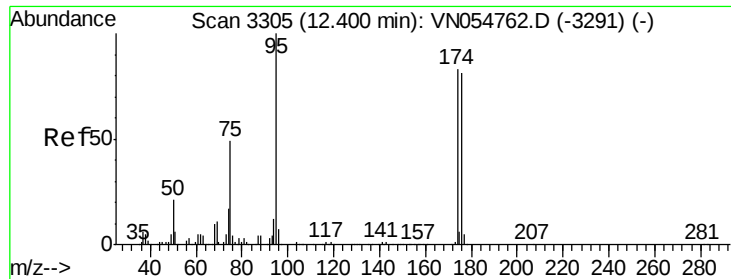
Tot Ion:113 Resp: 273322
 Ion Ratio Lower Upper
 113 100
 111 100.5 82.2 123.4
 192 20.3 19.2 28.8



#50
 Toluene-d8
 Concen: 47.584 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054823.D
 Acq: 31 Mar 2019 1:18

Tgt Ion: 98 Resp: 993121
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 40.698 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

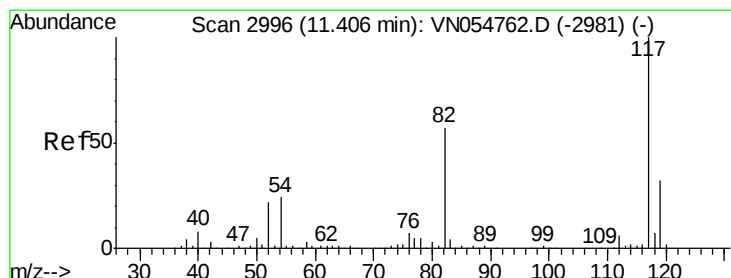
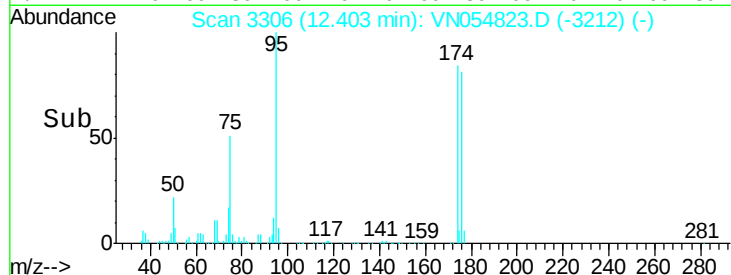
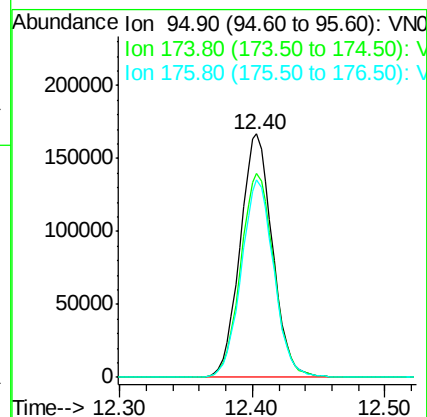
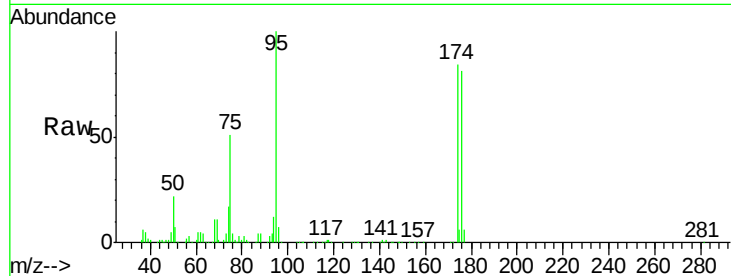
Tot Ion: 95 Resp: 282490

Ion Ratio Lower Upper

95 100

174 85.8 0.0 191.0

176 81.6 0.0 187.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054823.D

Acq: 31 Mar 2019 1:18

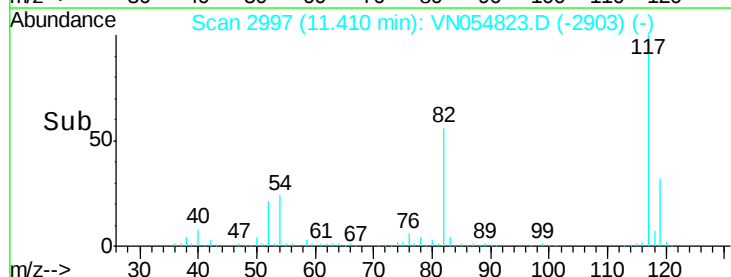
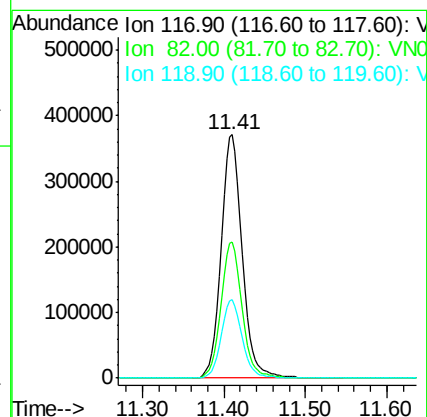
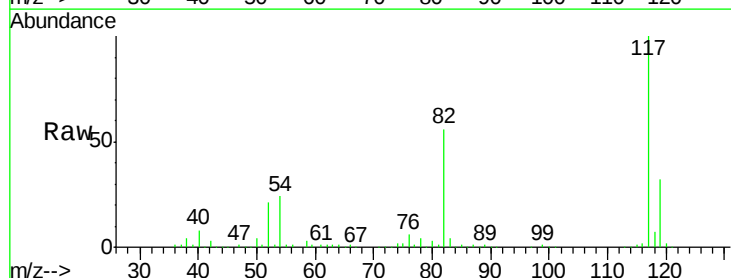
Tgt Ion: 117 Resp: 677349

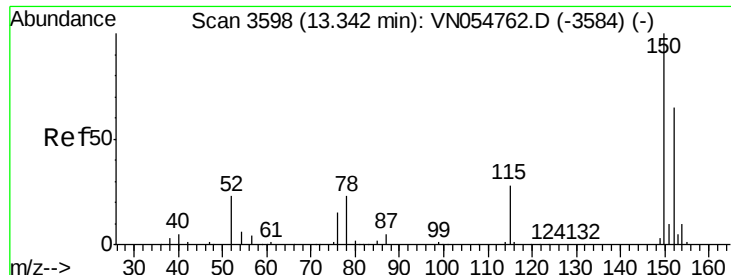
Ion Ratio Lower Upper

117 100

82 55.7 40.0 60.0

119 32.0 25.8 38.6

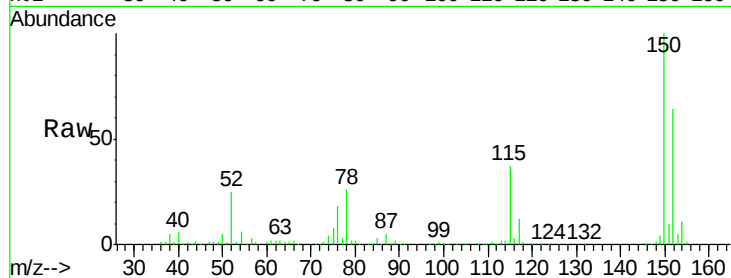




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN054823.D
 Acq: 31 Mar 2019 1:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.7	27.2	81.6
150	156.2	0.0	349.2



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

