

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054838.D
 Acq On : 31 Mar 2019 7:56
 Operator : JC/SP
 Sample : K2164-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Quant Time: Apr 01 02:13:27 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

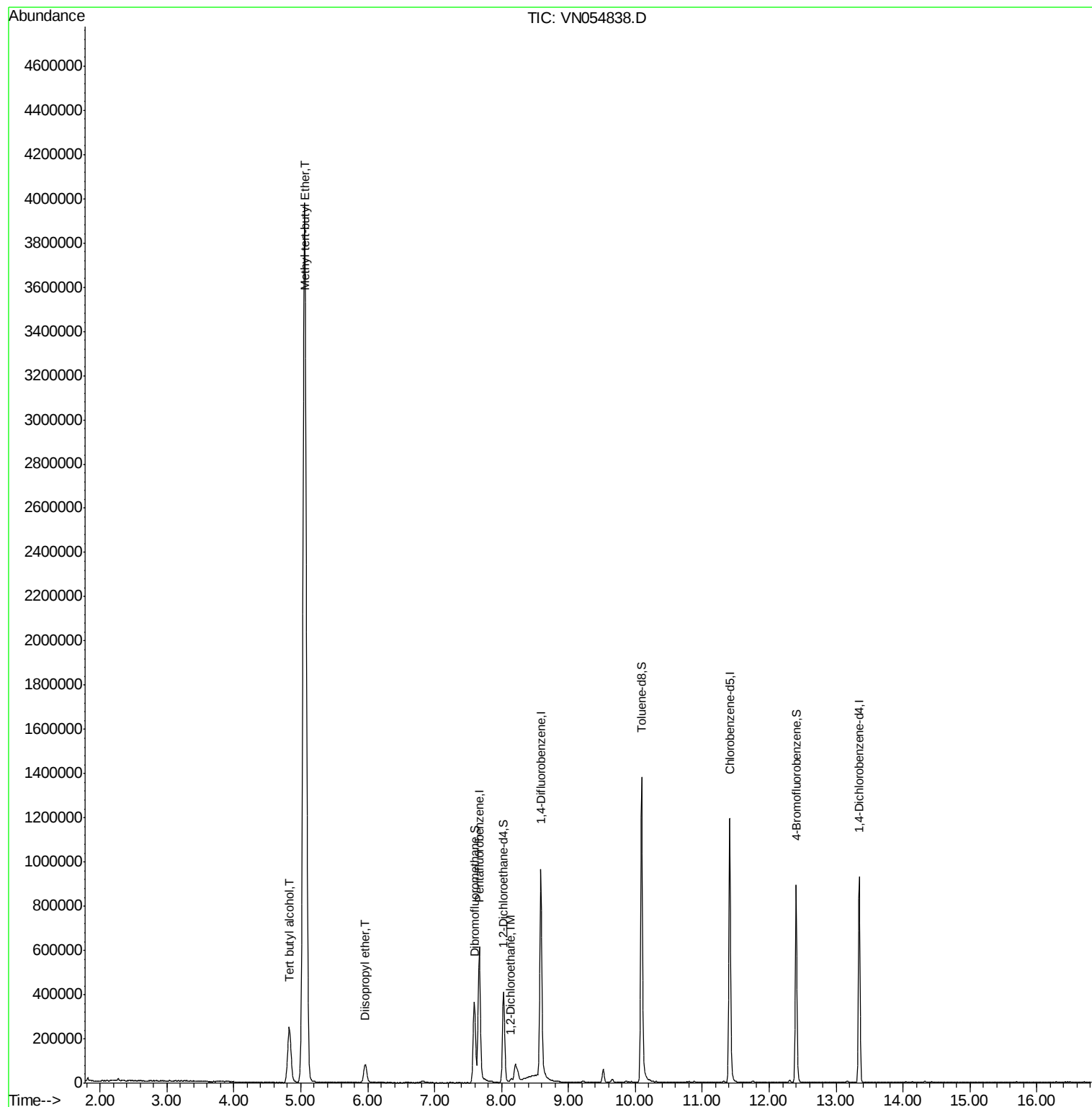
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	530889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	866357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	710709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246863	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	352877	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.62%	
35) Dibromofluoromethane	7.59	113	274370	47.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.00%	
50) Toluene-d8	10.09	98	1023778	47.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	12.40	95	305845	42.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.66%	
Target Compounds						
11) Tert butyl alcohol	4.83	59	422770	1133.832	ug/l #	70
19) Methyl tert-butyl Ether	5.06	73	6505989	445.693	ug/l	93
22) Diisopropyl ether	5.97	45	113935	5.604	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	5682	0.689	ug/l	83

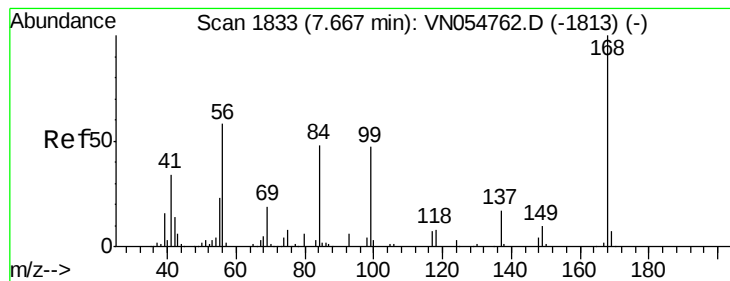
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054838.D

Acq: 31 Mar 2019 7:56

Instrument :

MSVOA_N

ClientSampleId :

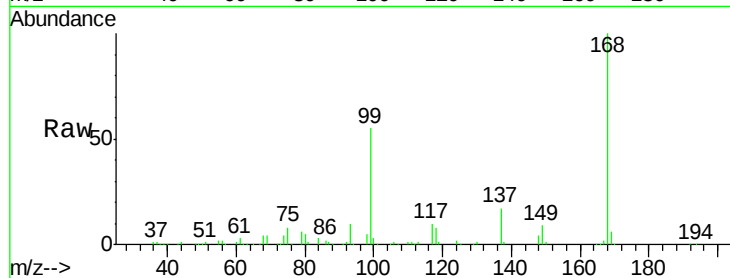
MW-7

Tot Ion:168 Resp: 530889

Ion Ratio Lower Upper

168 100

99 54.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

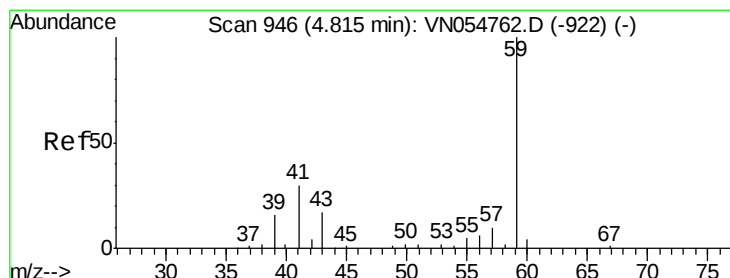
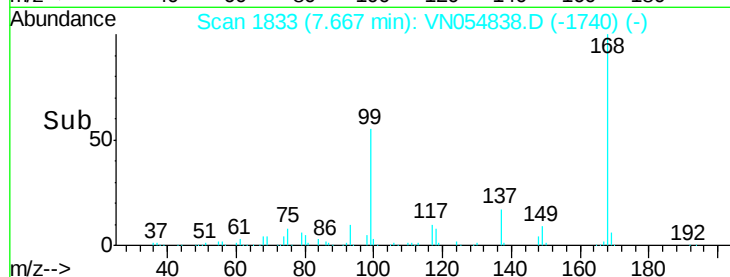
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1133.832 ug/l

RT: 4.83 min Scan# 950

Delta R.T. 0.01 min

Lab File: VN054838.D

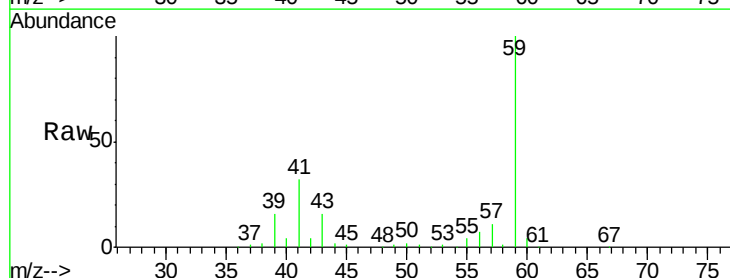
Acq: 31 Mar 2019 7:56

Tgt Ion: 59 Resp: 422770

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

500000

400000

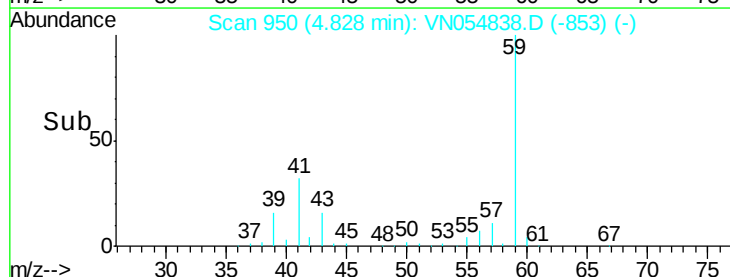
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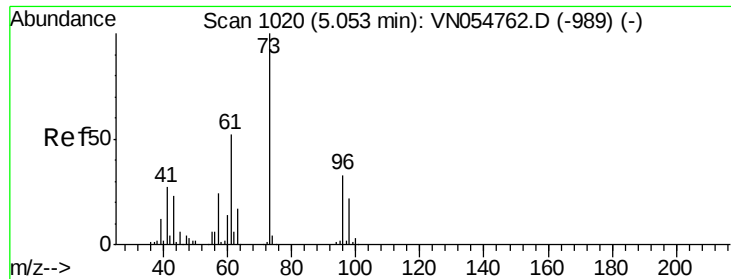
200000

100000

0

Time-->

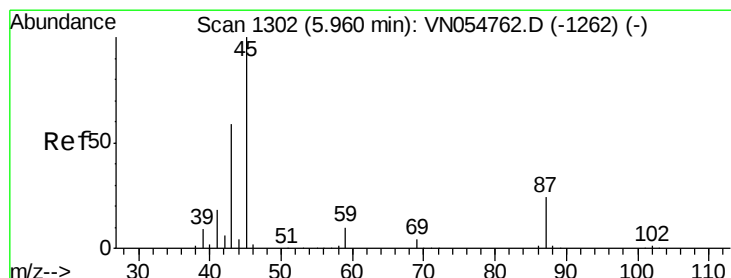
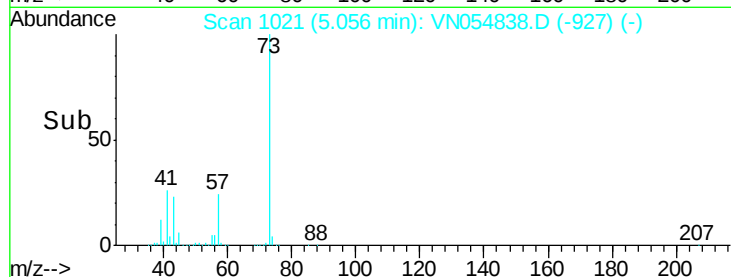
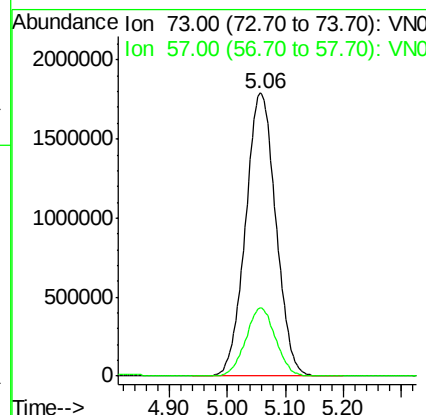
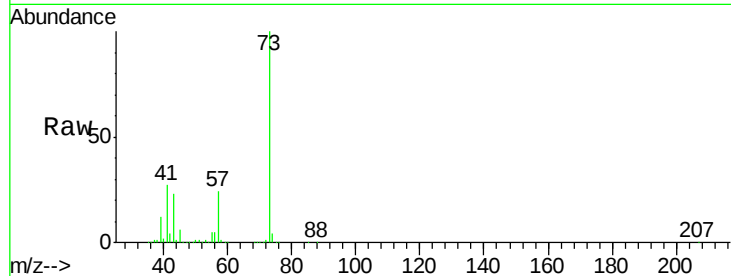




#19
Methvl tert-butvl Ether
Concen: 445.693 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054838.D
Acq: 31 Mar 2019 7:56

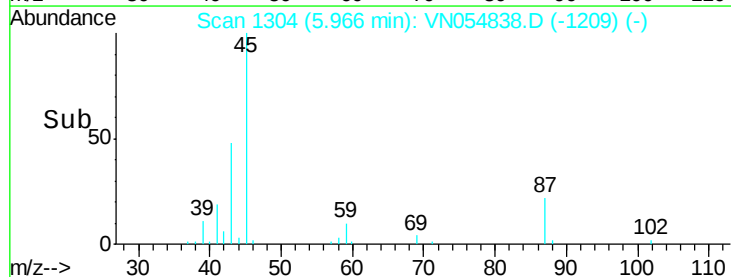
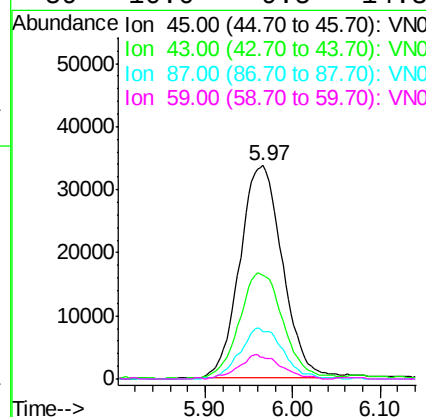
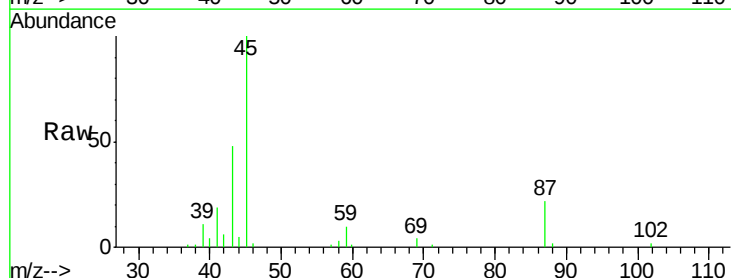
Instrument :
MSVOA_N
ClientSampleId :
MW-7

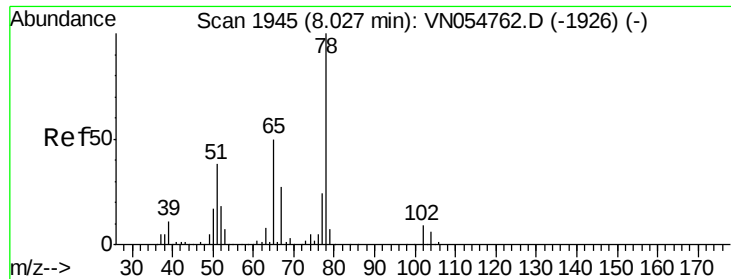
Tot Ion: 73 Resp: 6505989
Ion Ratio Lower Upper
73 100
57 24.0 16.8 25.2



#22
Diisopropyl ether
Concen: 5.604 ug/l
RT: 5.97 min Scan# 1304
Delta R.T. 0.01 min
Lab File: VN054838.D
Acq: 31 Mar 2019 7:56

Tgt Ion: 45 Resp: 113935
Ion Ratio Lower Upper
45 100
43 47.9 48.2 72.2#
87 22.0 24.9 37.3#
59 10.0 9.5 14.3

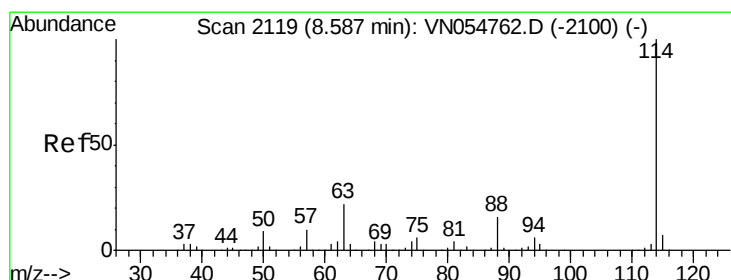
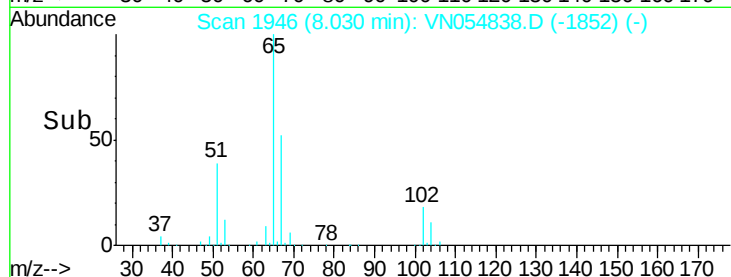
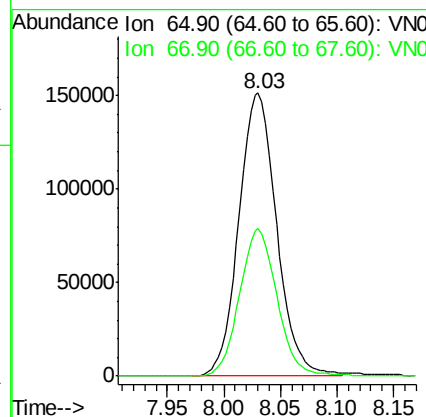
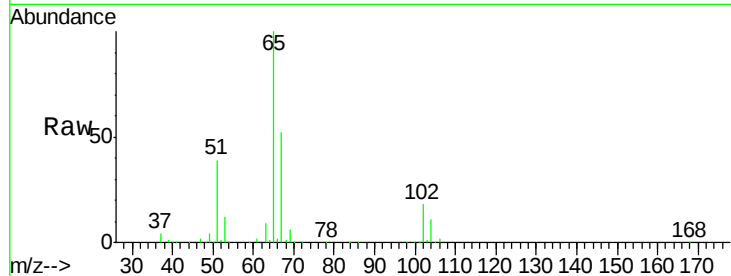




#33
 1,2-Dichloroethane-d4
 Concen: 49.308 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054838.D
 Acq: 31 Mar 2019 7:56

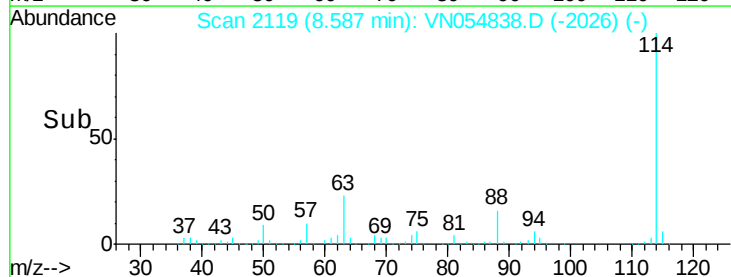
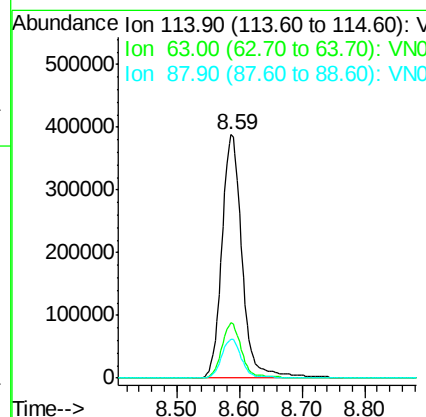
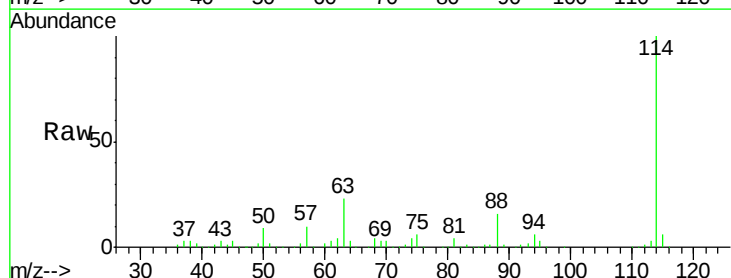
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

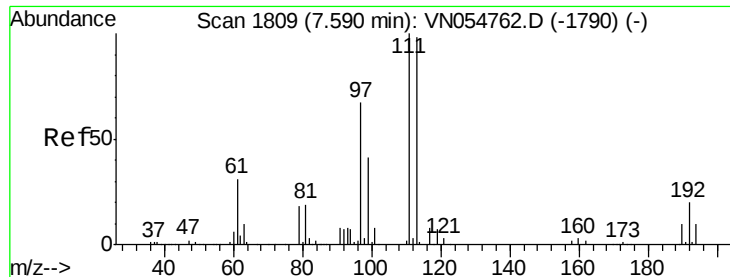
Tot Ion: 65 Resp: 352877
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054838.D
 Acq: 31 Mar 2019 7:56

Tgt Ion: 114 Resp: 866357
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 35.2
 88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 47.502 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054838.D

Acq: 31 Mar 2019 7:56

Instrument :

MSVOA_N

ClientSampled :

MW-7

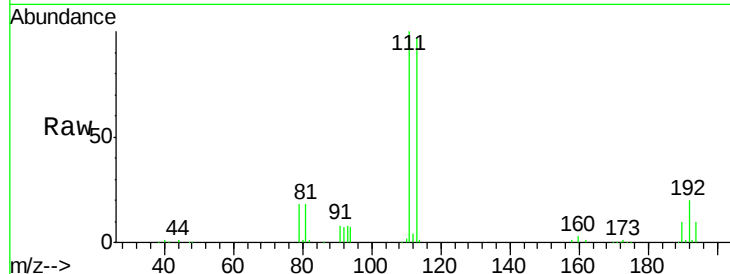
Tot Ion:113 Resp: 274370

Ion Ratio Lower Upper

113 100

111 104.9 82.2 123.4

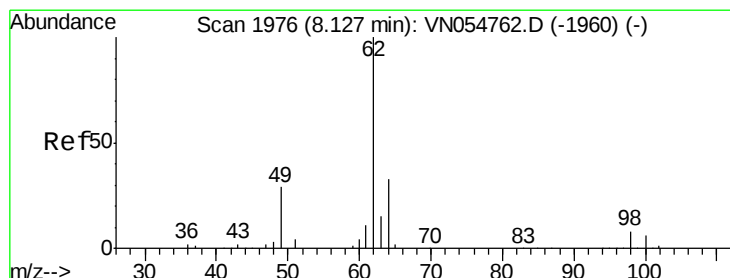
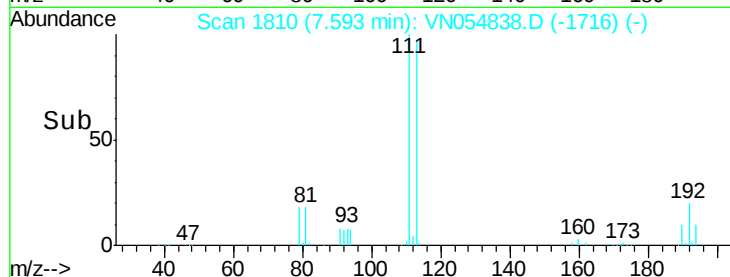
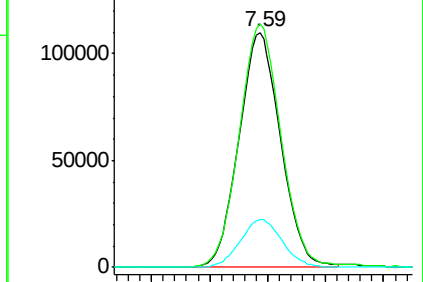
192 20.8 19.2 28.8



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



#42

1,2-Dichloroethane

Concen: 0.689 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN054838.D

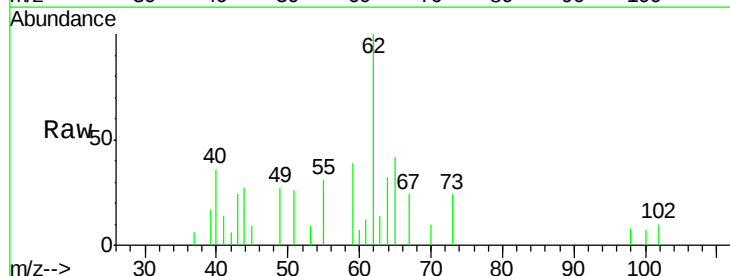
Acq: 31 Mar 2019 7:56

Tgt Ion: 62 Resp: 5682

Ion Ratio Lower Upper

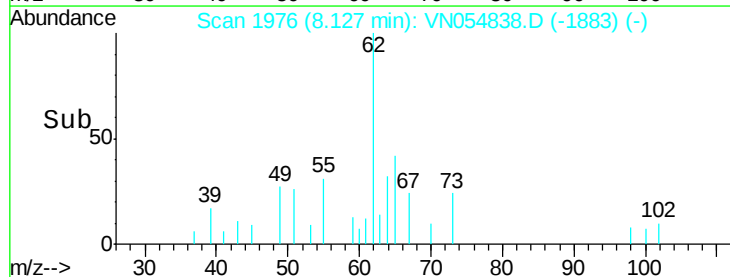
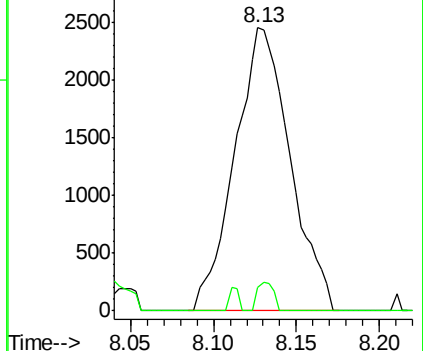
62 100

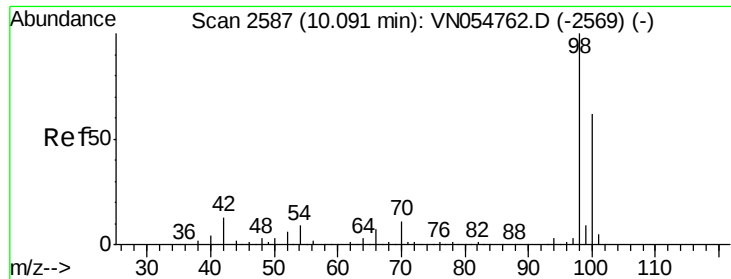
98 2.9 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): V

Ion 97.90 (97.60 to 98.60): V





#50

Toluene-d8

Concen: 47.676 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054838.D

Acq: 31 Mar 2019 7:56

Instrument :

MSVOA_N

ClientSampled :

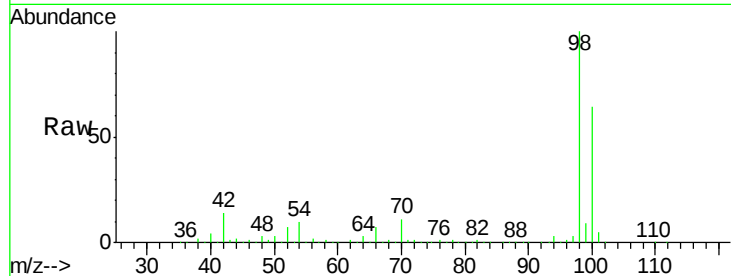
MW-7

Tot Ion: 98 Resp: 1023778

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)

10.09

500000

400000

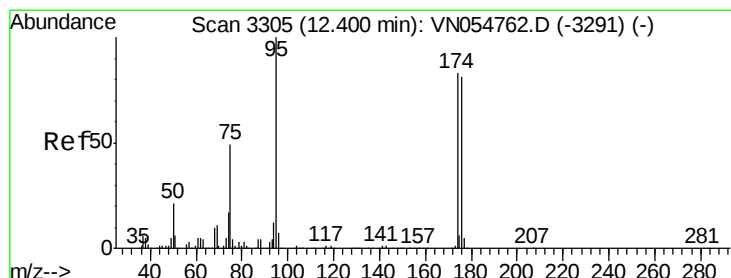
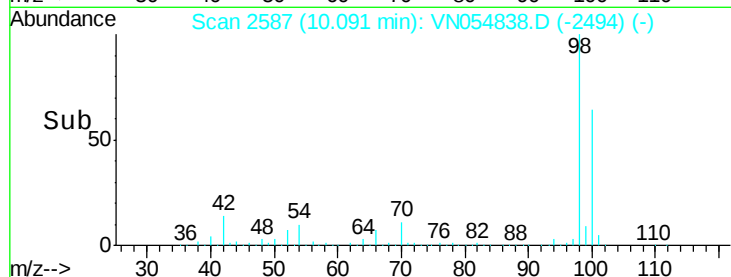
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.826 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054838.D

Acq: 31 Mar 2019 7:56

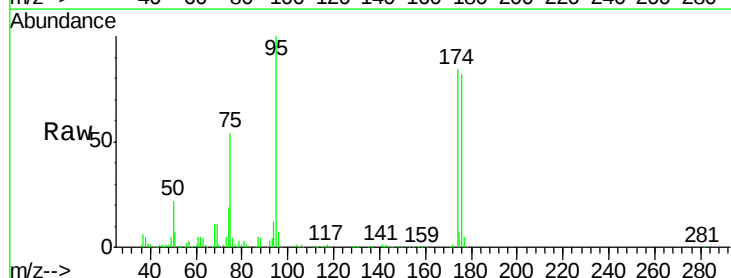
Tgt Ion: 95 Resp: 305845

Ion Ratio Lower Upper

95 100

174 85.0 0.0 191.0

176 81.8 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054762.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054762.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054762.D (-3291) (-)

12.40

200000

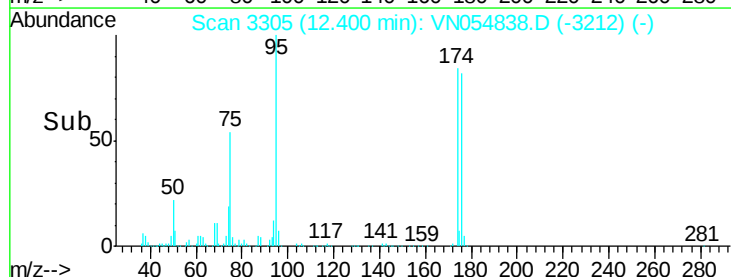
150000

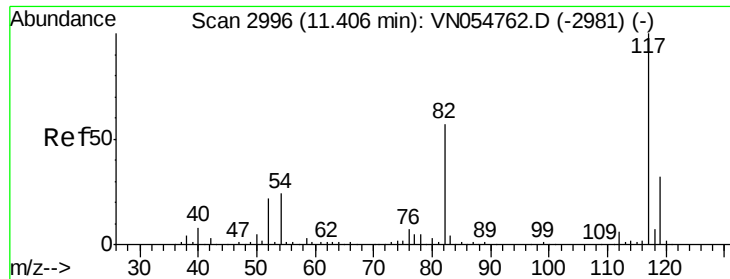
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054838.D

Acq: 31 Mar 2019 7:56

Instrument :

MSVOA_N

ClientSampleId :

MW-7

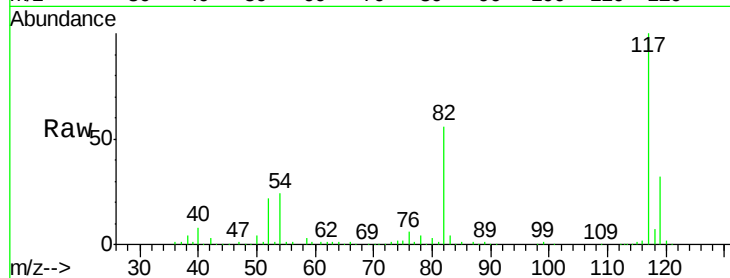
Tot Ion:117 Resp: 710709

Ion Ratio Lower Upper

117 100

82 56.5 40.0 60.0

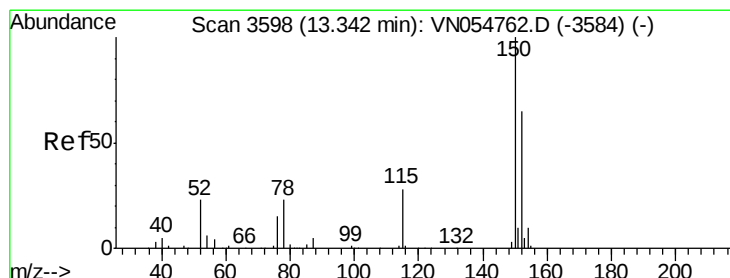
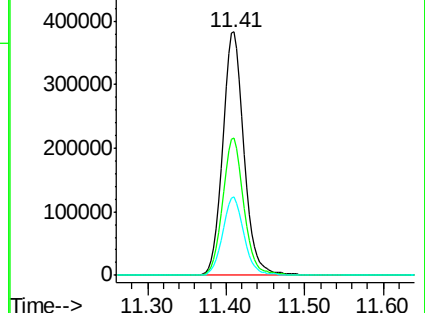
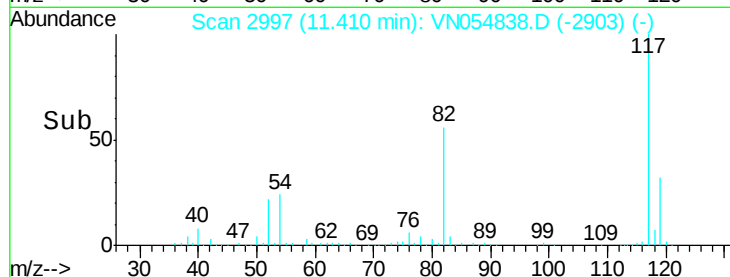
119 32.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054838.D

Acq: 31 Mar 2019 7:56

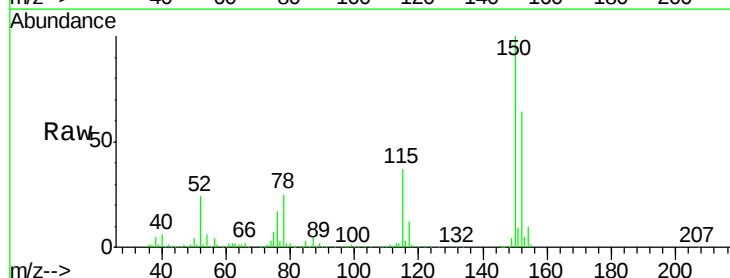
Tgt Ion:152 Resp: 246863

Ion Ratio Lower Upper

152 100

115 58.5 27.2 81.6

150 157.0 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

