

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054803.D
 Acq On : 30 Mar 2019 15:32
 Operator : JC/SP
 Sample : K2181-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Mar 30 23:19:56 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	543973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	862995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	729370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291912	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	349019	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
35) Dibromofluoromethane	7.59	113	276929	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	10.09	98	1043010	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.40	95	328766	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

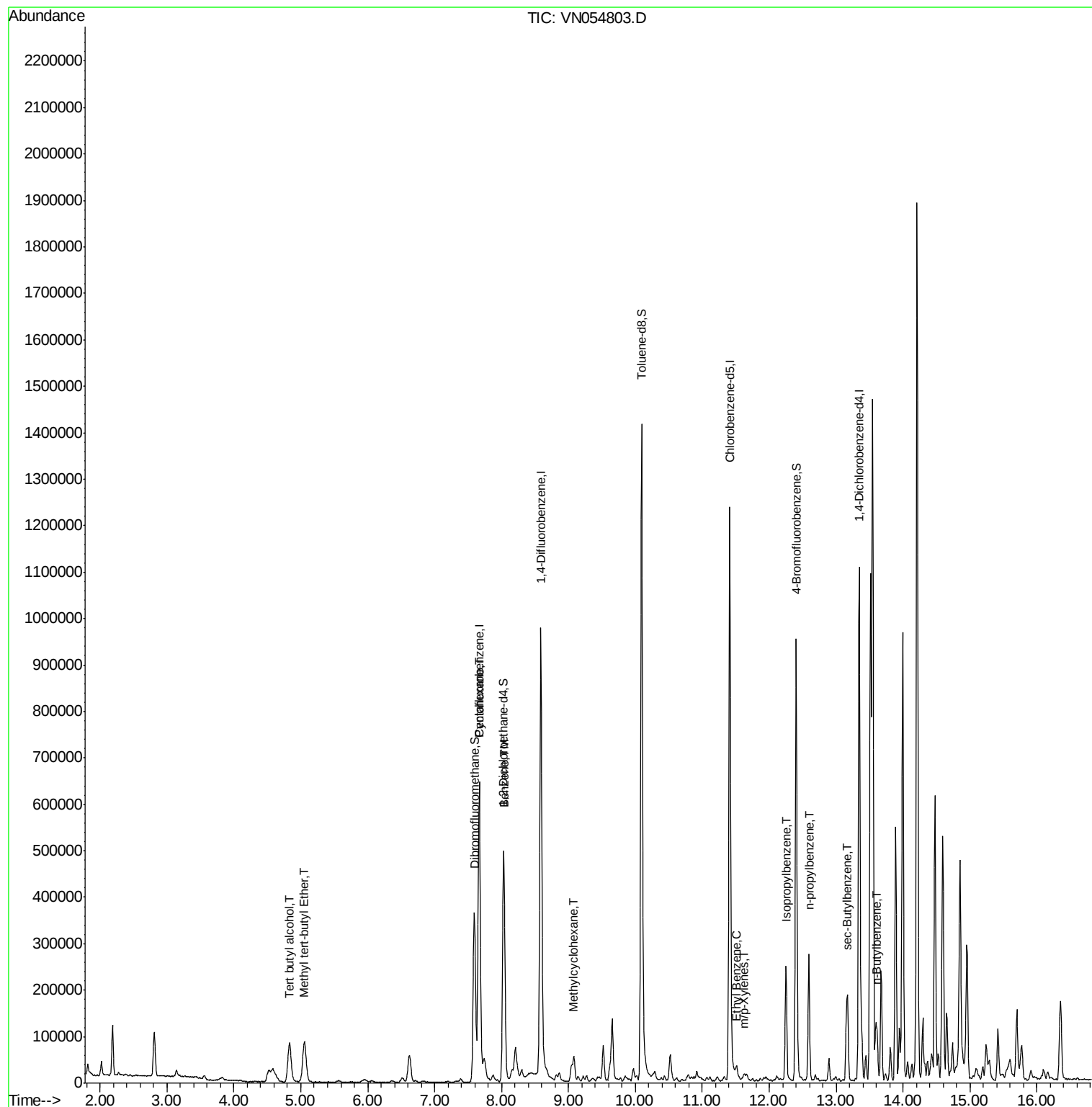
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.83	59	138056	361.349	ug/l #	86
19) Methyl tert-butyl Ether	5.06	73	103208	6.900	ug/l #	60
31) Cyclohexane	7.67	56	26767	0.608	ug/l #	63
39) Methylcyclohexane	9.08	83	20141	2.278	ug/l	93
40) Benzene	8.04	78	111965	4.866	ug/l	97
67) Ethyl Benzene	11.51	91	13674	0.531	ug/l	91
68) m/p-Xylenes	11.62	106	4159	0.436	ug/l	74
73) Isopropylbenzene	12.25	105	166601	6.983	ug/l	98
78) n-propylbenzene	12.59	91	215390	8.213	ug/l	95
85) sec-Butylbenzene	13.17	105	106765	5.020	ug/l #	71
89) n-Butylbenzene	13.62	91	62567	4.088	ug/l #	73

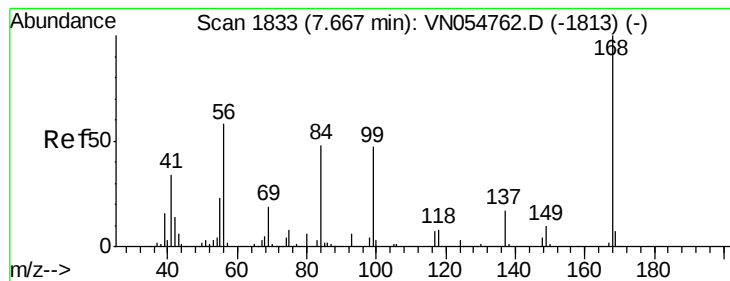
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
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: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

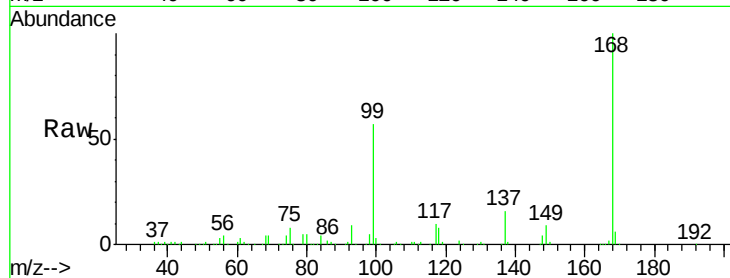
MW-2

Tot Ion:168 Resp: 543973

Ion Ratio Lower Upper

168 100

99 57.0 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): VN054803.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054803.D (-1740) (-)

7.67

250000

200000

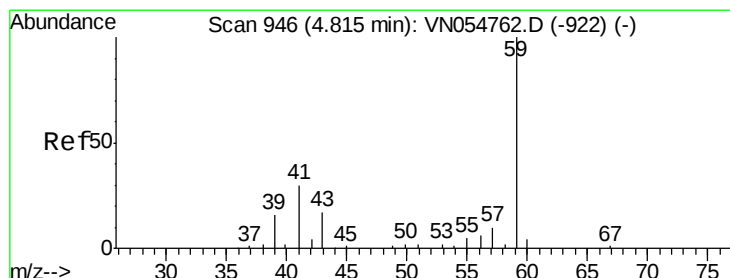
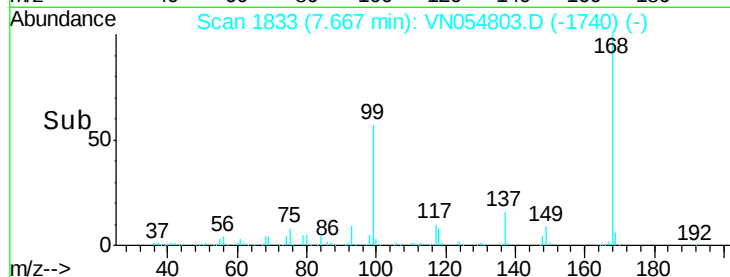
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 361.349 ug/l

RT: 4.83 min Scan# 951

Delta R.T. 0.02 min

Lab File: VN054803.D

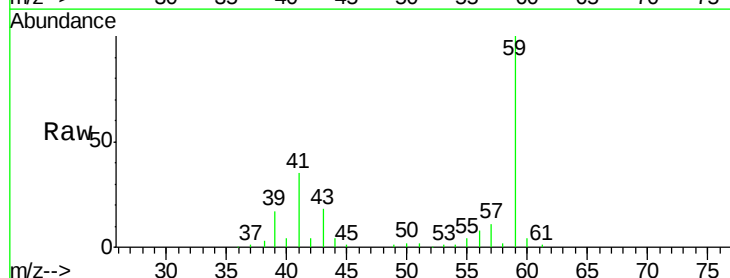
Acq: 30 Mar 2019 15:32

Tgt Ion: 59 Resp: 138056

Ion Ratio Lower Upper

59 100

57 5.9 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN054803.D (-853) (-)

Ion 57.00 (56.70 to 57.70): VN054803.D (-853) (-)

4.83

40000

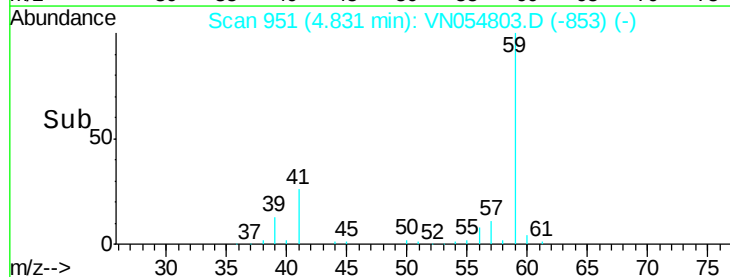
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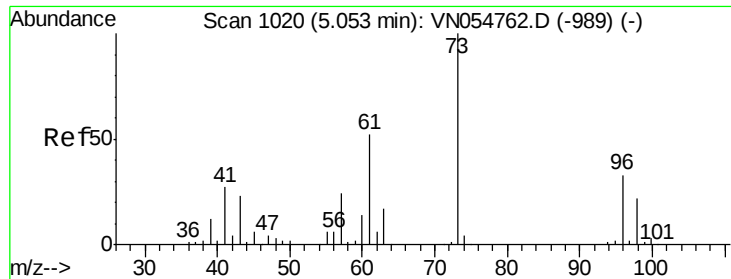
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10000

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Time-->

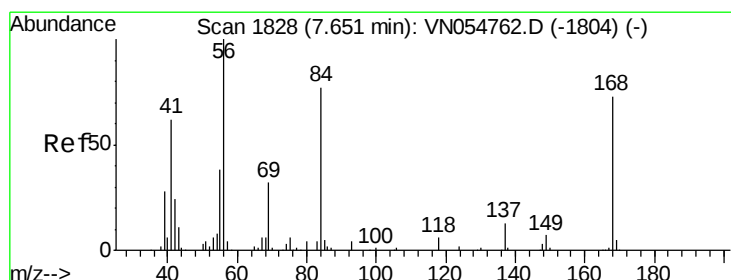
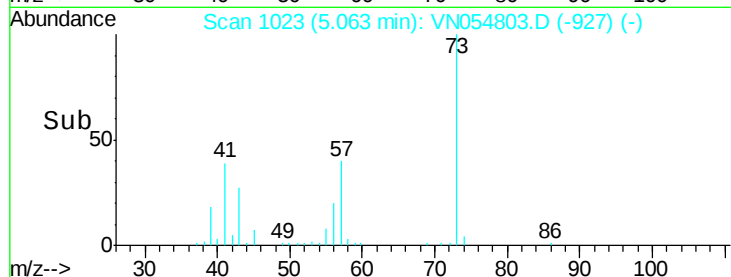
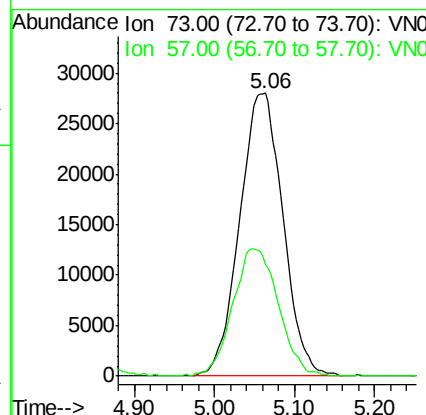
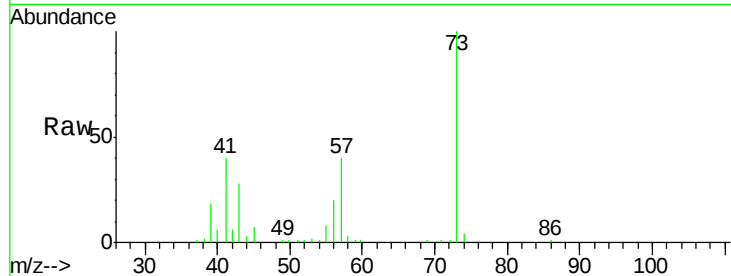




#19
Methvl tert-butvl Ether
Concen: 6.900 ug/l
RT: 5.06 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

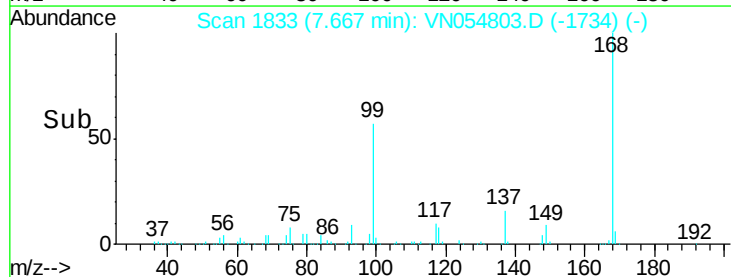
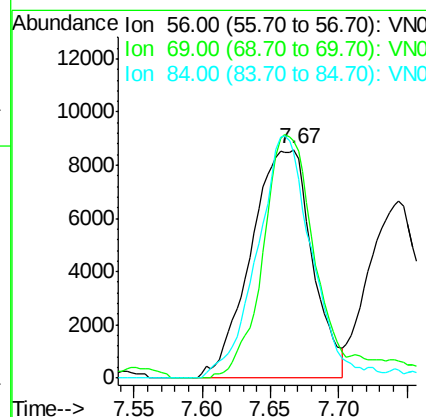
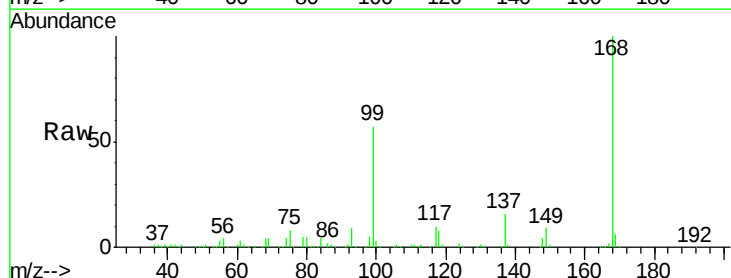
Instrument :
MSVOA_N
ClientSampleId :
MW-2

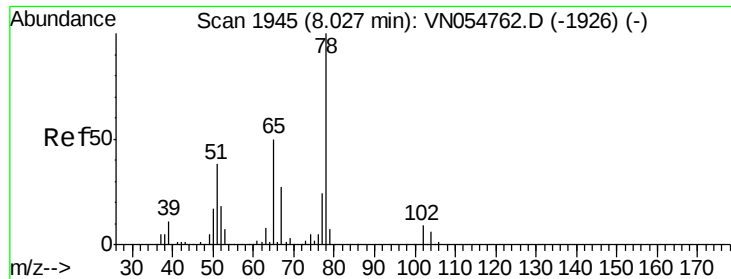
Tot Ion: 73 Resp: 103208
Ion Ratio Lower Upper
73 100
57 39.7 16.8 25.2#



#31
Cyclohexane
Concen: 0.608 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Tgt Ion: 56 Resp: 26767
Ion Ratio Lower Upper
56 100
69 104.1 27.8 41.6#
84 98.6 74.6 111.8

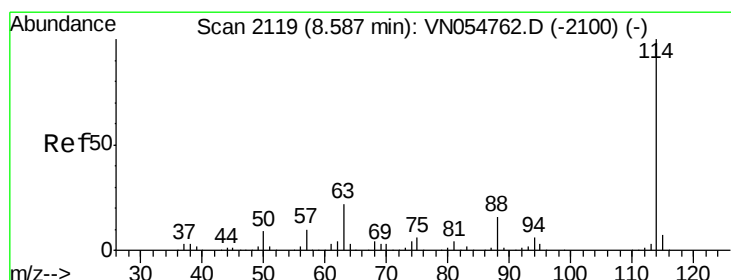
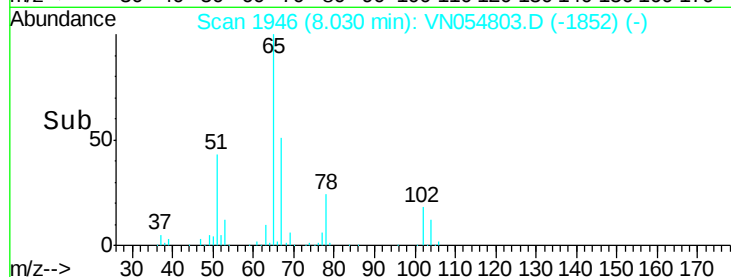
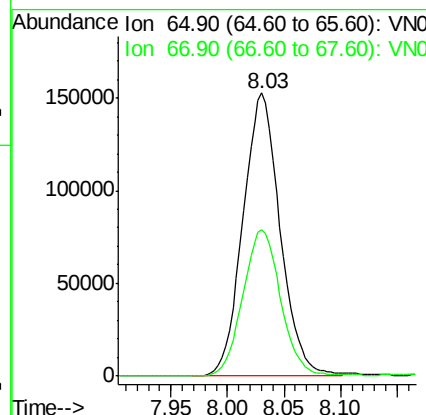
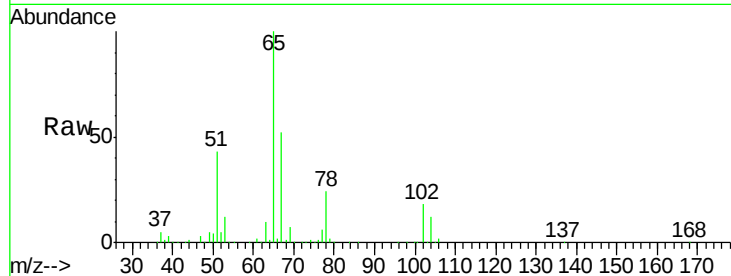




#33
 1,2-Dichloroethane-d4
 Concen: 47.596 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054803.D
 Acq: 30 Mar 2019 15:32

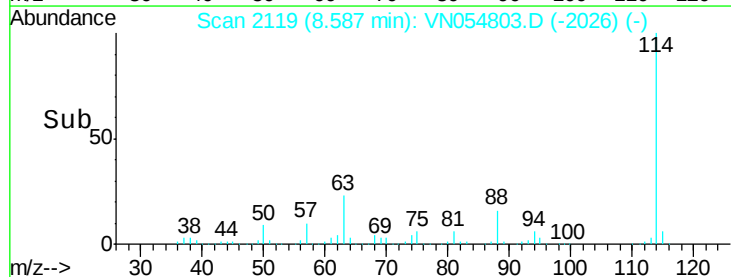
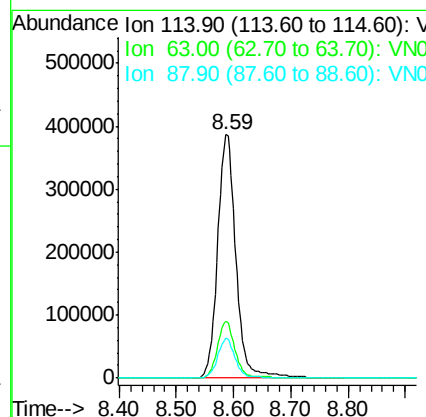
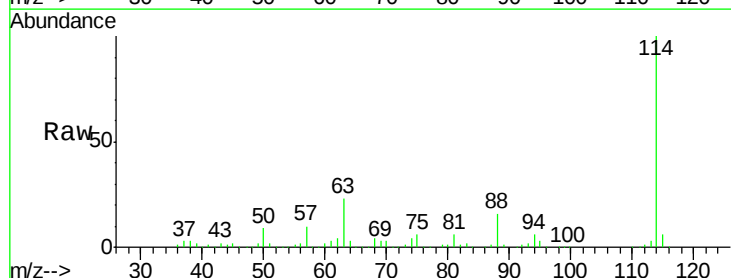
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

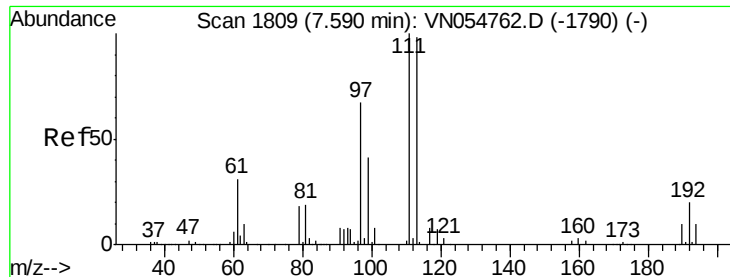
Tot Ion: 65 Resp: 349019
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054803.D
 Acq: 30 Mar 2019 15:32

Tgt Ion: 114 Resp: 862995
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 35.2
 88 16.2 0.0 30.2

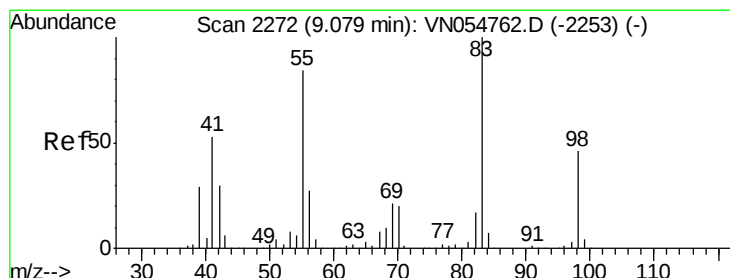
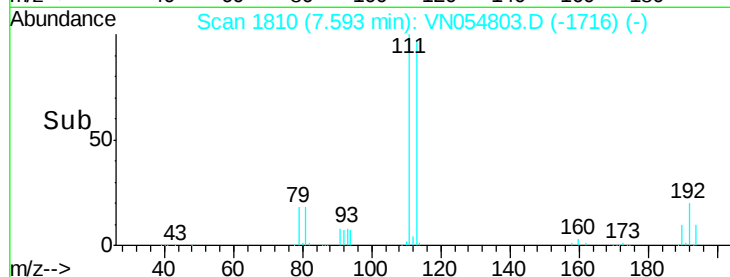
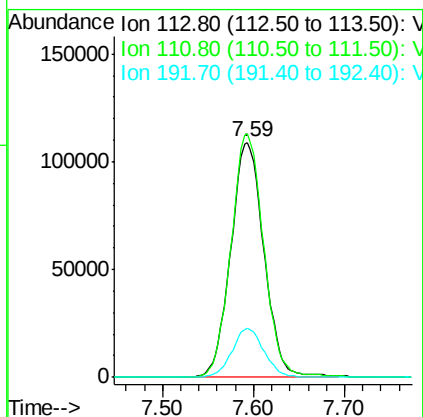
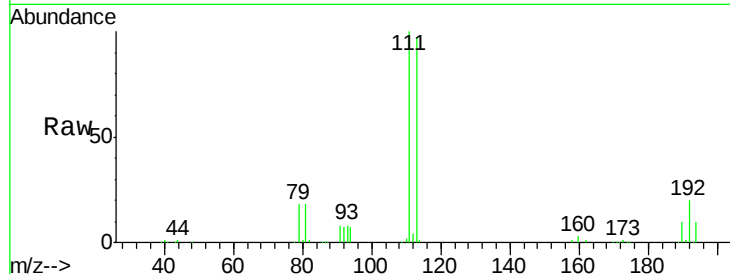




#35
Dibromofluoromethane
Concen: 48.132 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

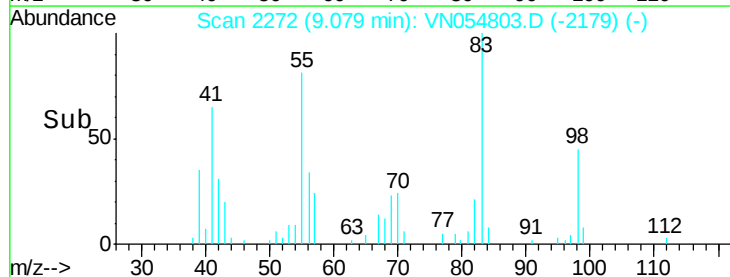
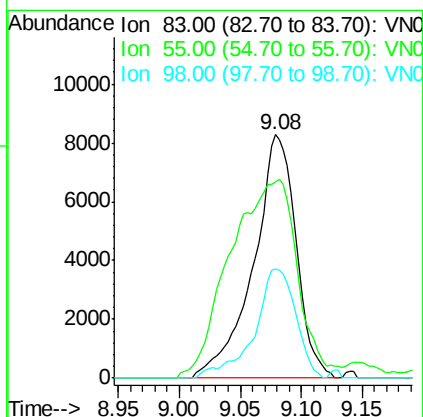
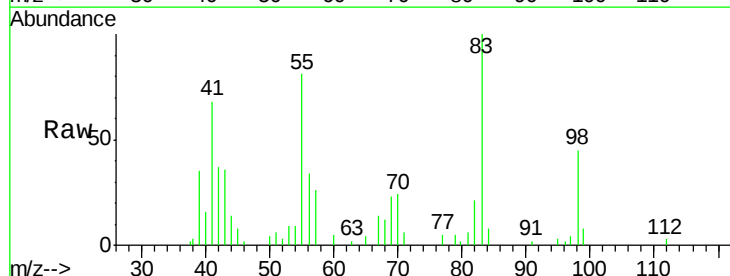
Instrument :
MSVOA_N
ClientSampled :
MW-2

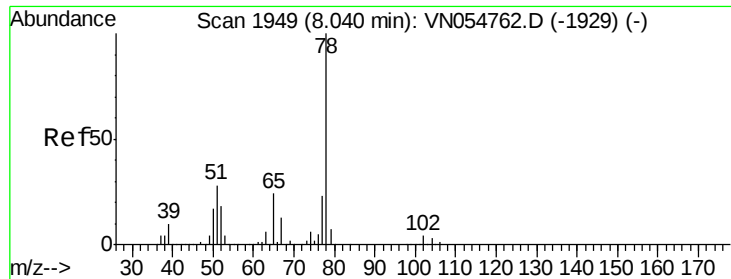
Tot Ion:113 Resp: 276929
Ion Ratio Lower Upper
113 100
111 100.9 82.2 123.4
192 20.1 19.2 28.8



#39
Methylcyclohexane
Concen: 2.278 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Tgt Ion: 83 Resp: 20141
Ion Ratio Lower Upper
83 100
55 77.5 56.6 84.8
98 45.0 38.4 57.6





#40

Benzene

Concen: 4.866 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampled :

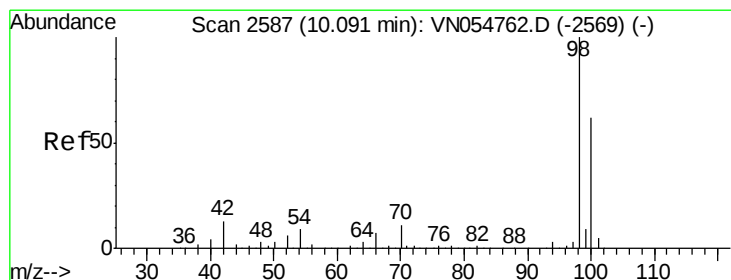
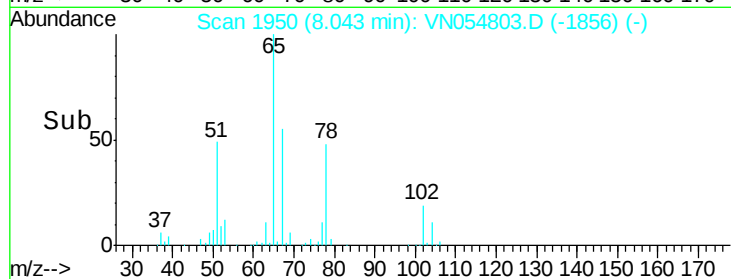
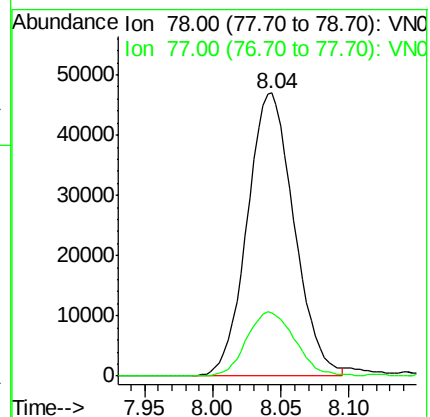
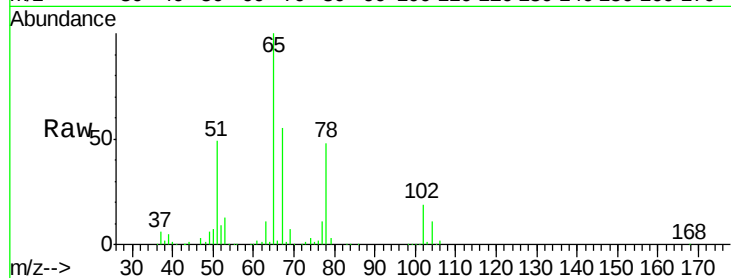
MW-2

Tot Ion: 78 Resp: 111965

Ion Ratio Lower Upper

78 100

77 22.4 19.1 28.7



#50

Toluene-d8

Concen: 48.761 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054803.D

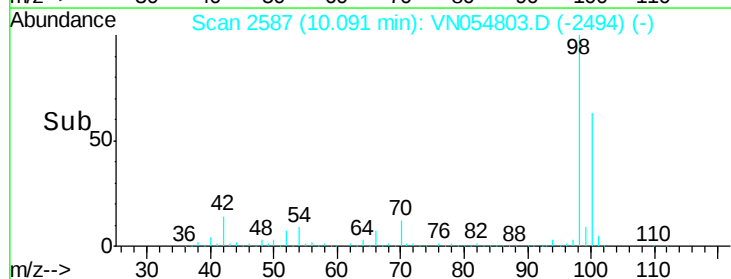
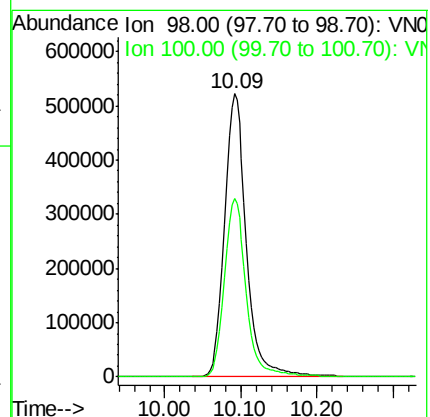
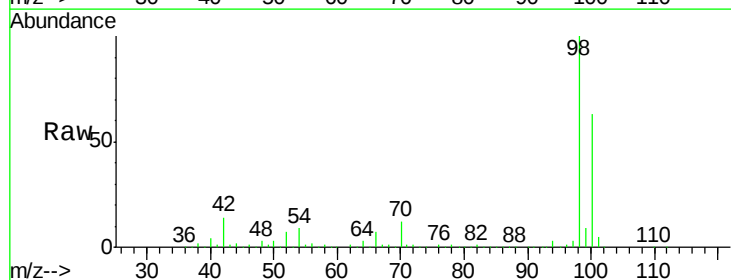
Acq: 30 Mar 2019 15:32

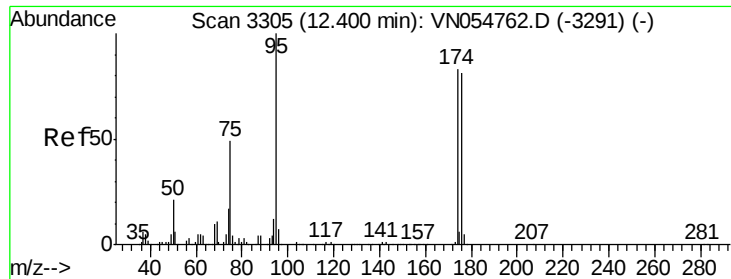
Tgt Ion: 98 Resp: 1043010

Ion Ratio Lower Upper

98 100

100 62.5 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 46.215 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

MW-2

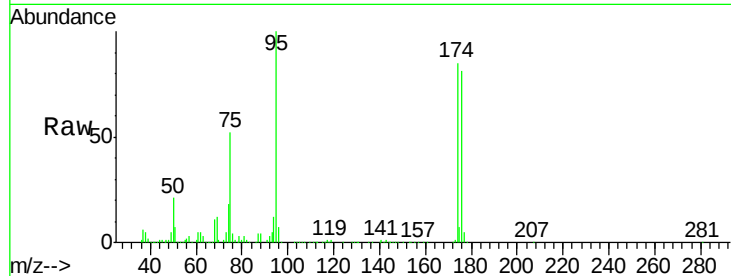
Tot Ion: 95 Resp: 328766

Ion Ratio Lower Upper

95 100

174 82.9 0.0 191.0

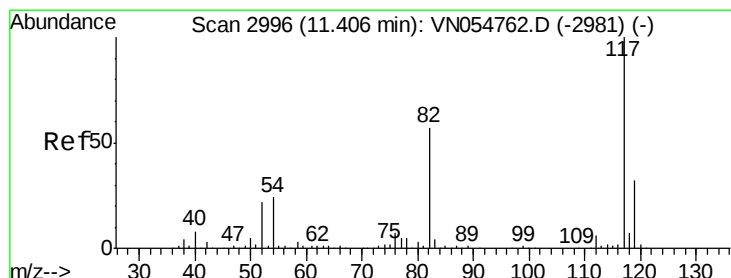
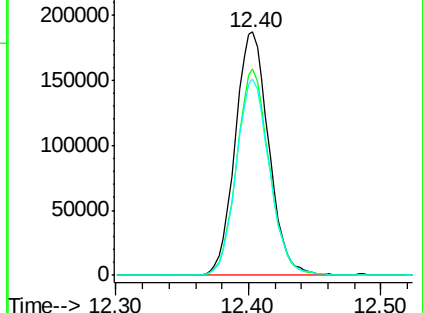
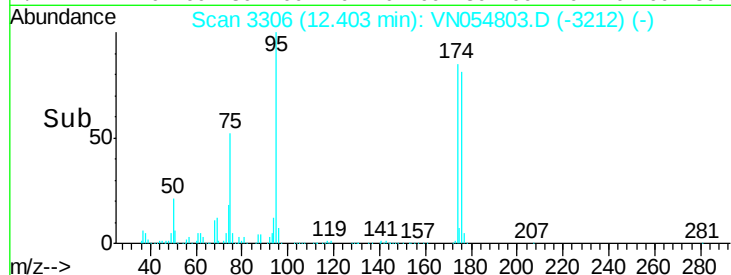
176 80.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054803.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054803.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054803.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

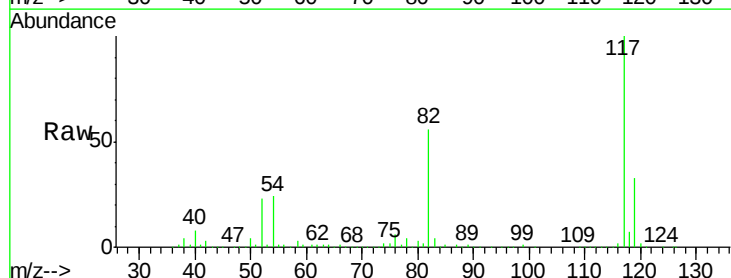
Tgt Ion: 117 Resp: 729370

Ion Ratio Lower Upper

117 100

82 56.4 40.0 60.0

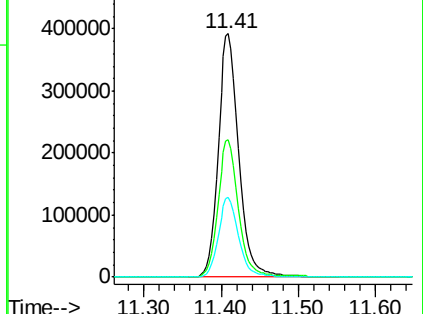
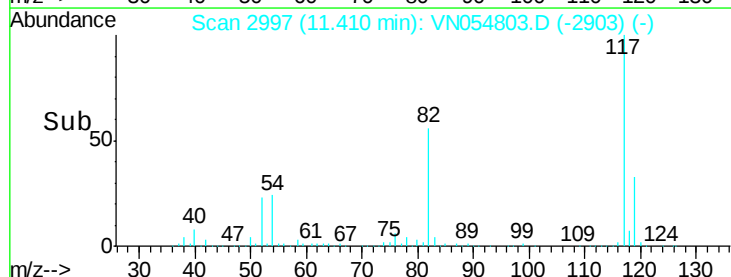
119 32.6 25.8 38.6

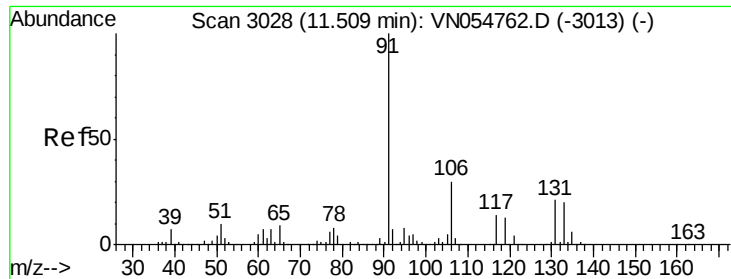


Abundance Ion 116.90 (116.60 to 117.60): VN054803.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054803.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054803.D (-2903) (-)

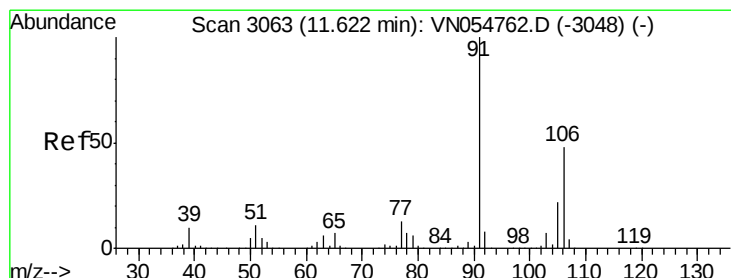
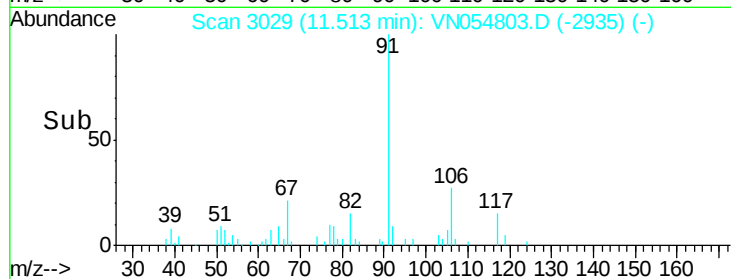
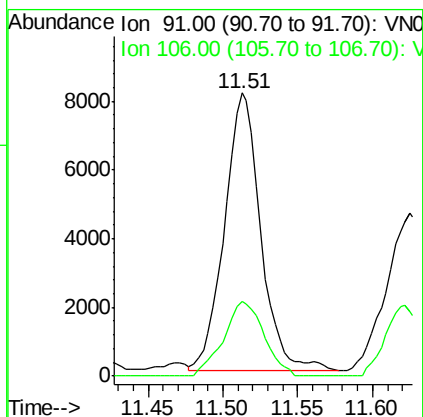
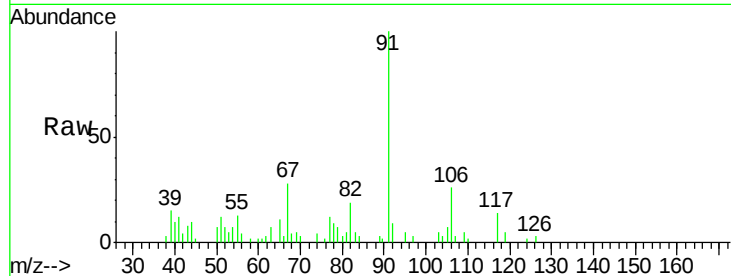




#67
Ethyl Benzene
Concen: 0.531 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

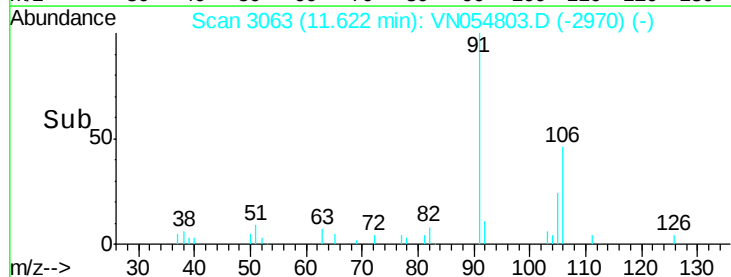
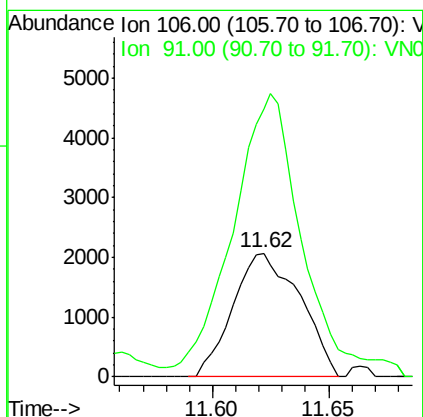
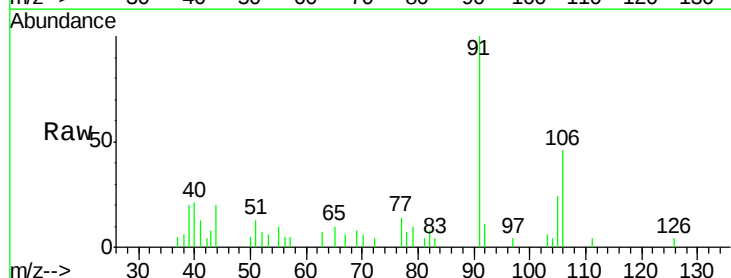
Instrument :
MSVOA_N
ClientSampled :
MW-2

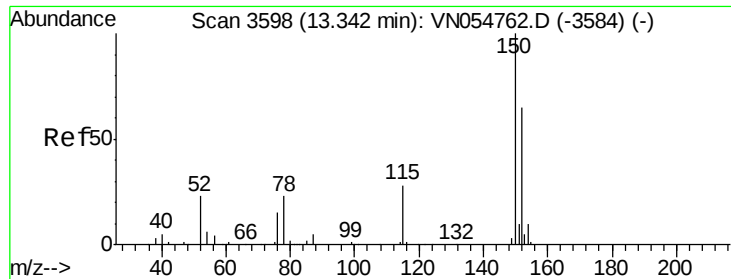
Tot Ion: 91 Resp: 13674
Ion Ratio Lower Upper
91 100
106 26.9 25.5 38.3



#68
m/p-Xylenes
Concen: 0.436 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054803.D
Acq: 30 Mar 2019 15:32

Tgt Ion: 106 Resp: 4159
Ion Ratio Lower Upper
106 100
91 239.0 159.4 239.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampled :

MW-2

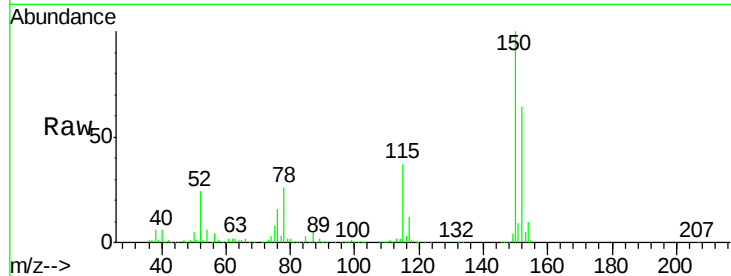
Tot Ion:152 Resp: 291912

Ion Ratio Lower Upper

152 100

115 58.9 27.2 81.6

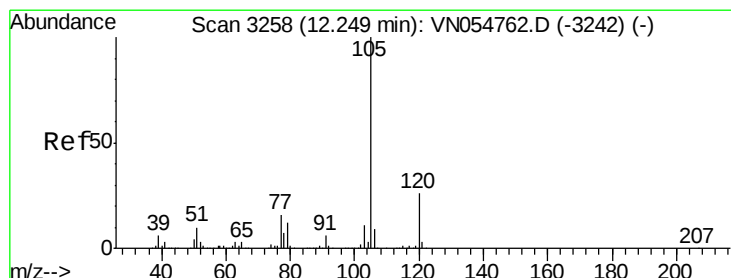
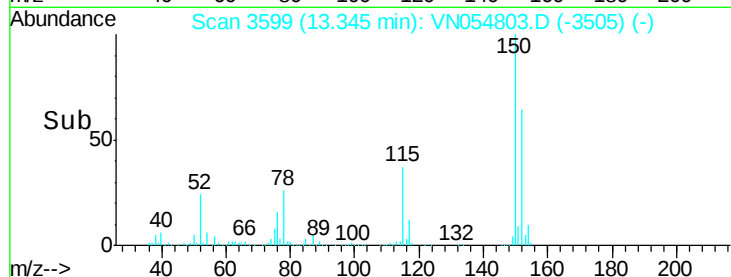
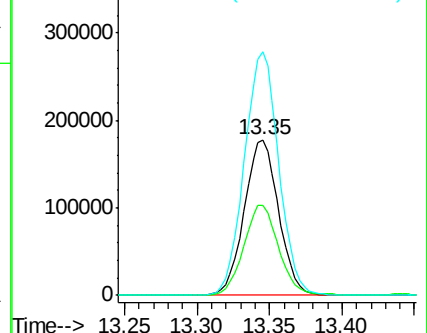
150 156.9 0.0 349.2



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



#73

Isopropylbenzene

Concen: 6.983 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054803.D

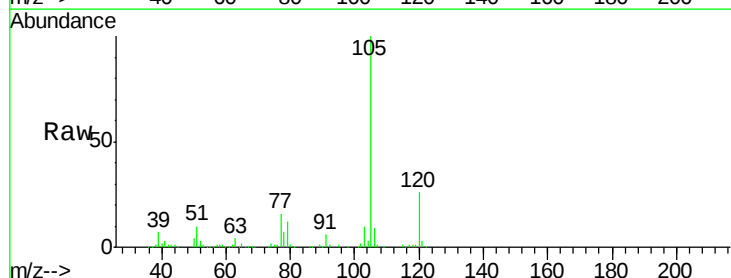
Acq: 30 Mar 2019 15:32

Tgt Ion:105 Resp: 166601

Ion Ratio Lower Upper

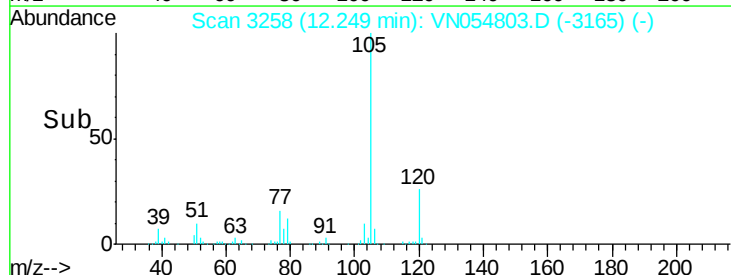
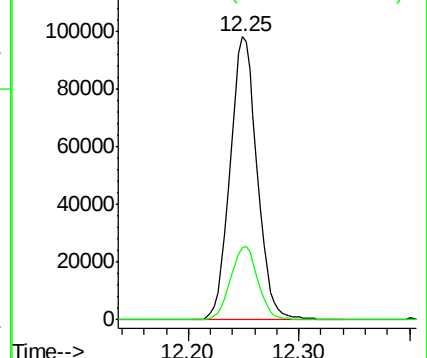
105 100

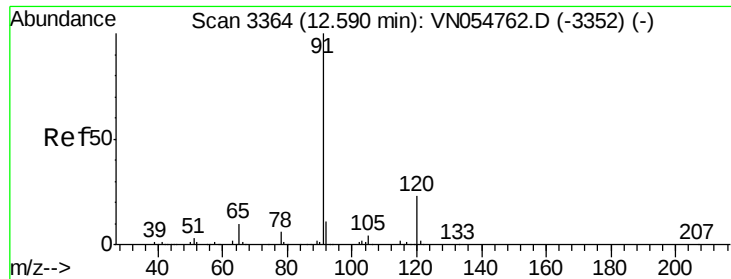
120 26.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 8.213 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054803.D

Acq: 30 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampled :

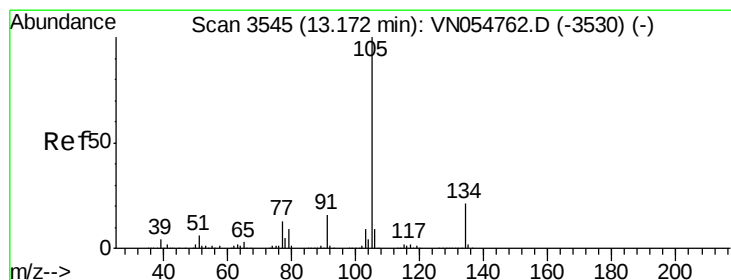
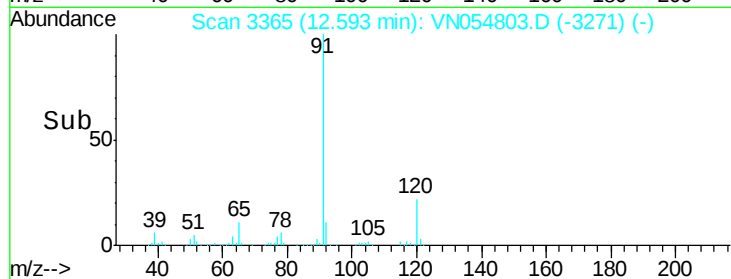
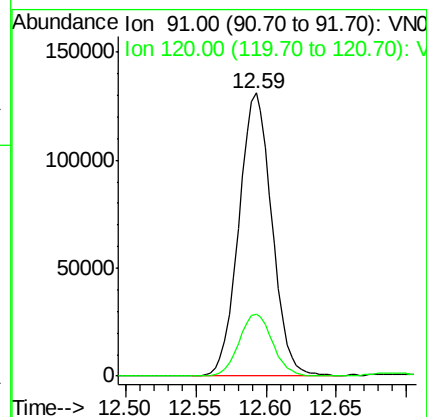
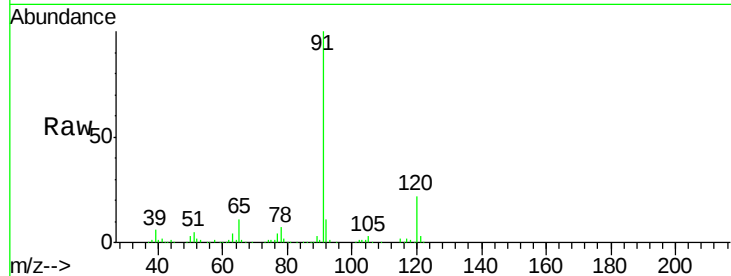
MW-2

Tot Ion: 91 Resp: 215390

Ion Ratio Lower Upper

91 100

120 22.2 12.3 36.9



#85

sec-Butylbenzene

Concen: 5.020 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054803.D

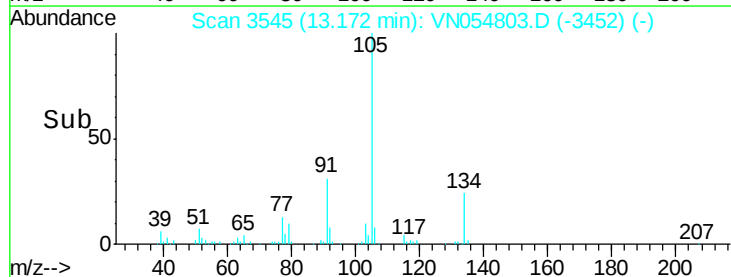
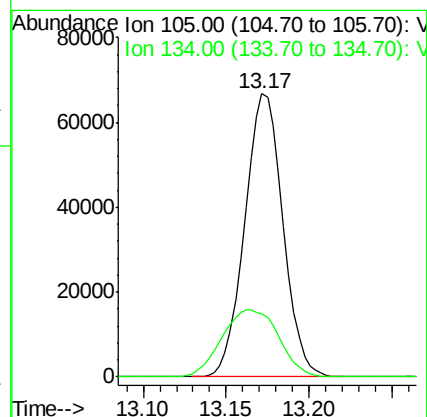
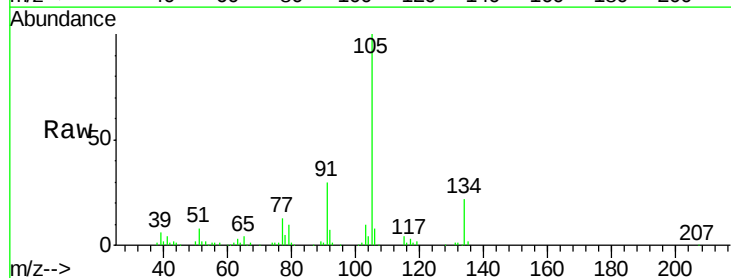
Acq: 30 Mar 2019 15:32

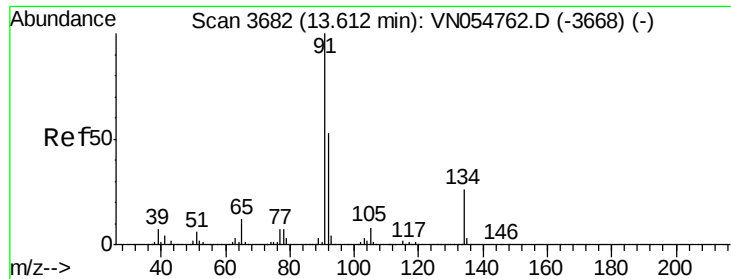
Tgt Ion: 105 Resp: 106765

Ion Ratio Lower Upper

105 100

134 35.1 10.7 32.1#





#89
 n-Butylbenzene
 Concen: 4.088 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN054803.D
 Acq: 30 Mar 2019 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Tot Ion	Ratio	Lower	Upper
91	100		
92	43.4	26.2	78.6
134	0.0	14.3	42.9

