

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050440.D
 Acq On : 7 Aug 2018 18:44
 Operator : MD\SY
 Sample : J4369-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19

Quant Time: Aug 08 10:54:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	852010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1287316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1135214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	501868	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	527039	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
35) Dibromofluoromethane	7.59	113	481591	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
50) Toluene-d8	10.09	98	1798000	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.40	95	580951	43.89	ug/l	0.00
Spiked Amount			Recovery	=	87.78%	

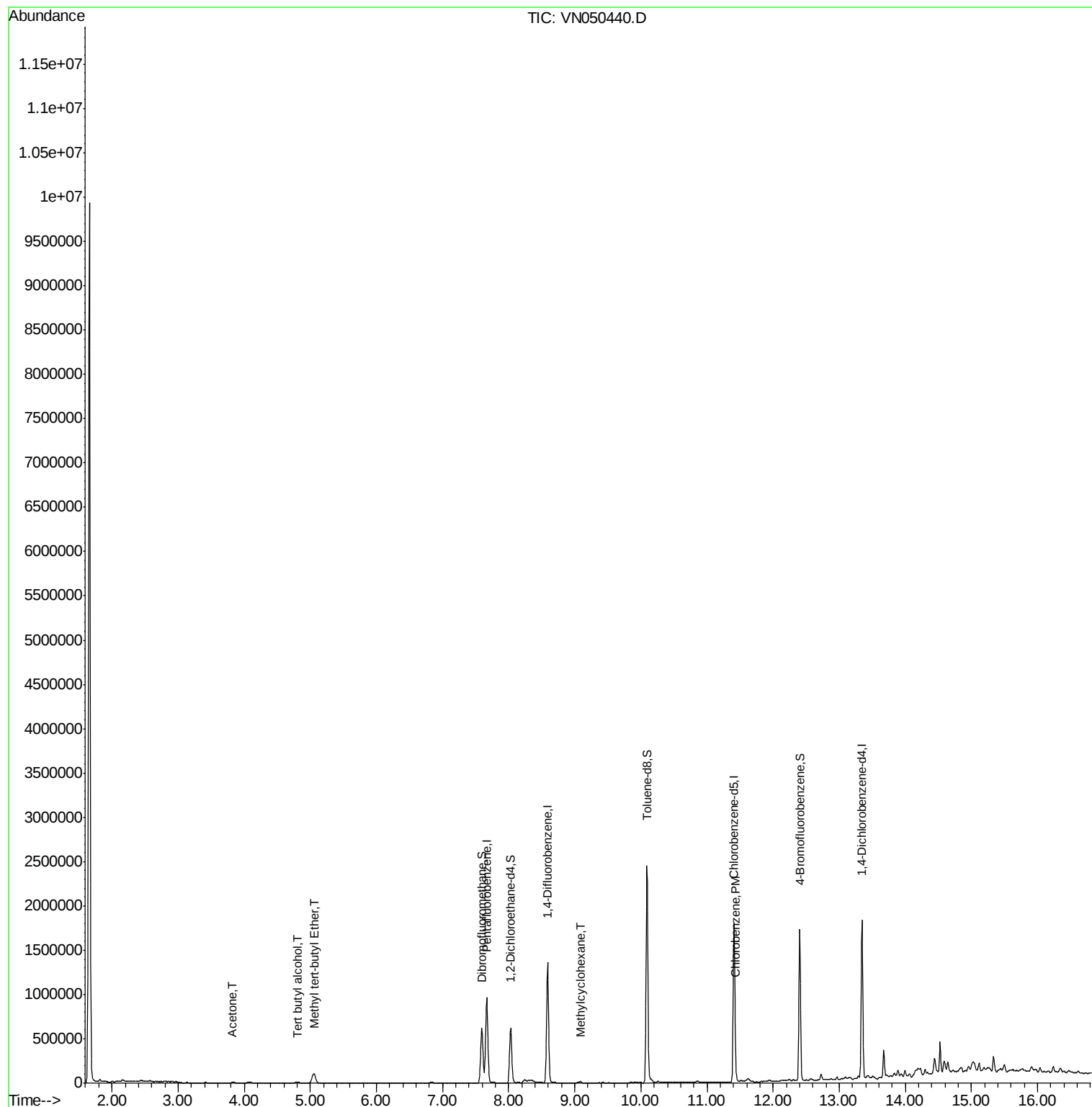
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.80	59	18249	19.96	ug/l	# 72
16) Acetone	3.82	43	19661	5.44	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	188321	7.20	ug/l	98
39) Methylcyclohexane	9.09	83	8141	0.53	ug/l	98
65) Chlorobenzene	11.44	112	32011	1.12	ug/l	99

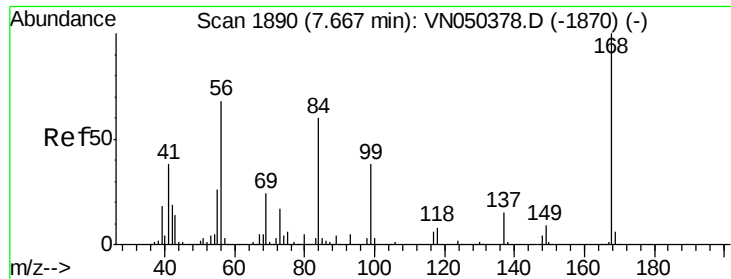
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050440.D

Acq: 7 Aug 2018 18:44

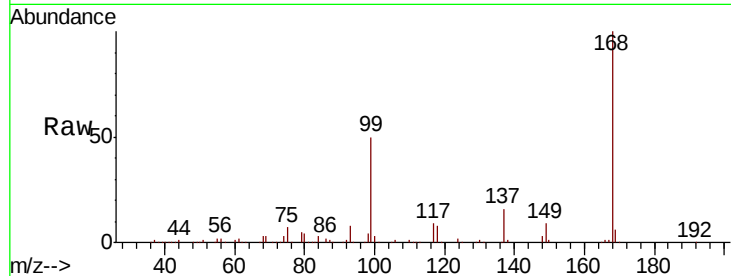
Instrument :
MSVOA_N
ClientSampled :
MW-19

Tot Ion:168 Resp: 852010

Ion Ratio Lower Upper

168 100

99 50.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

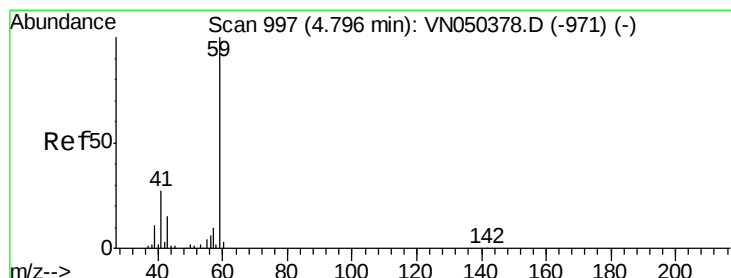
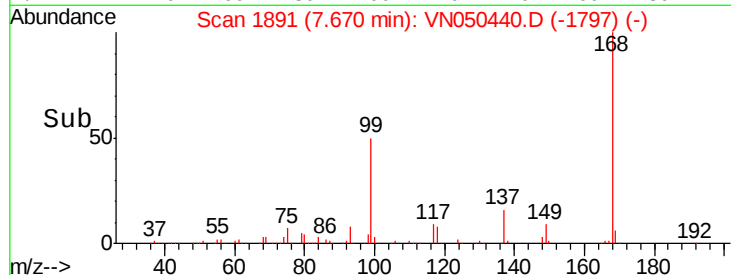
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 19.96 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN050440.D

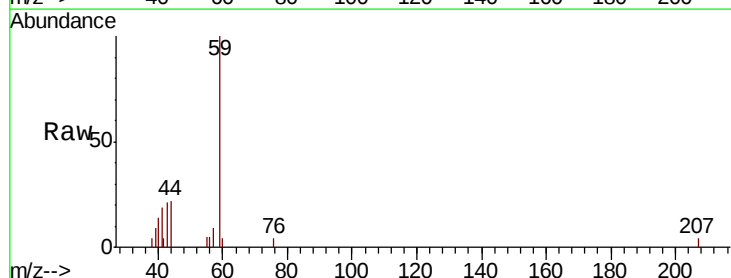
Acq: 7 Aug 2018 18:44

Tgt Ion: 59 Resp: 18249

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.80

6000

5000

4000

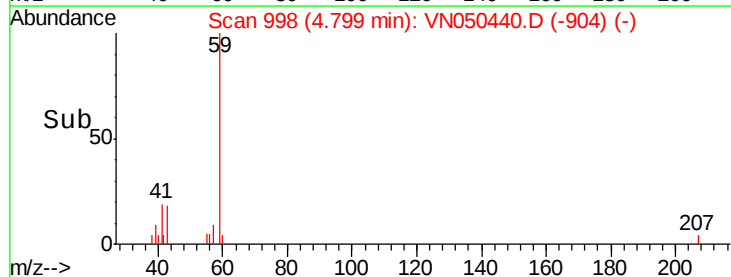
3000

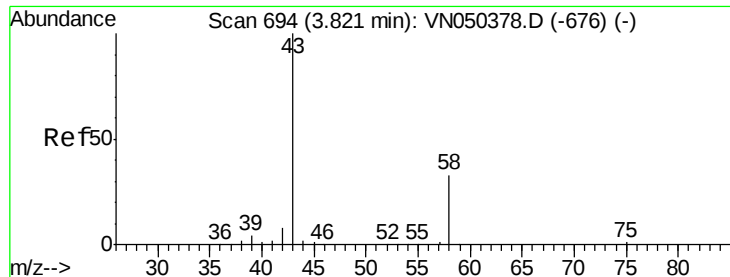
2000

1000

0

Time-->





#16

Acetone

Concen: 5.44 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050440.D

Acq: 7 Aug 2018 18:44

Instrument :

MSVOA_N

ClientSampled :

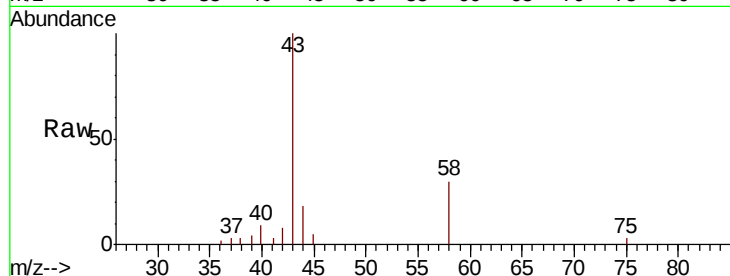
MW-19

Tot Ion: 43 Resp: 19661

Ion Ratio Lower Upper

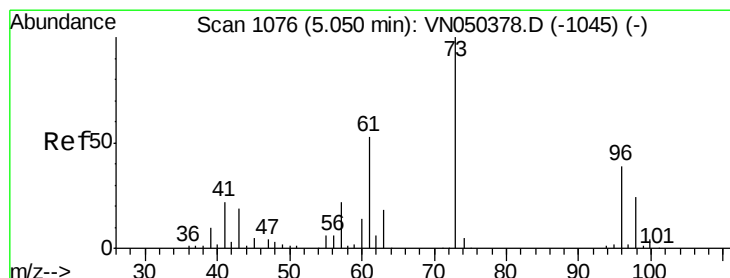
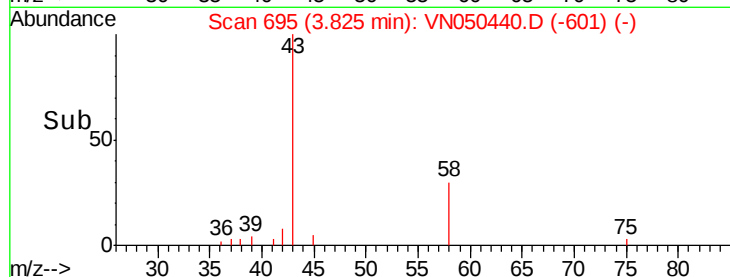
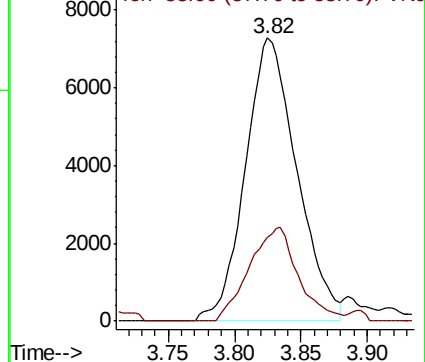
43 100

58 29.5 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#19

Methyl tert-butyl Ether

Concen: 7.20 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VN050440.D

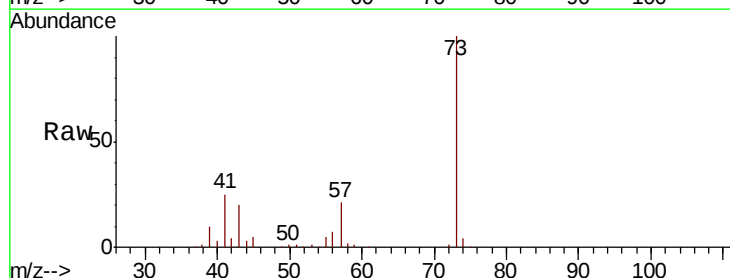
Acq: 7 Aug 2018 18:44

Tgt Ion: 73 Resp: 188321

Ion Ratio Lower Upper

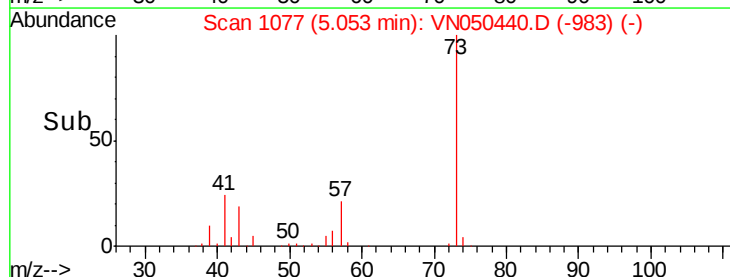
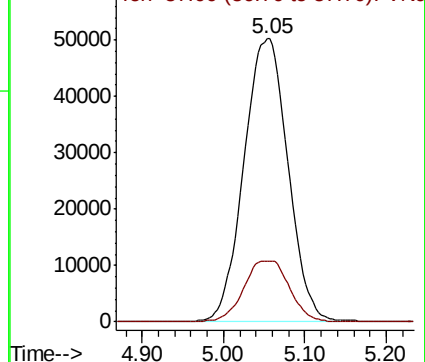
73 100

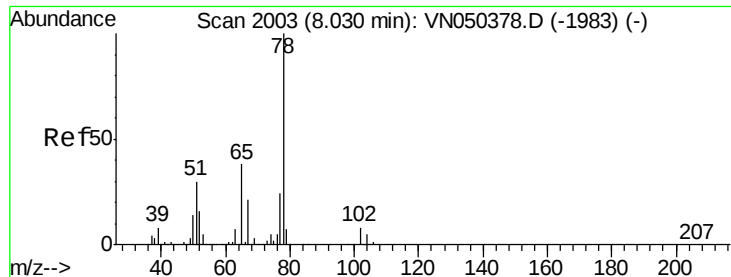
57 21.5 18.0 27.0



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: 46.30 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050440.D

Acq: 7 Aug 2018 18:44

Instrument :

MSVOA_N

ClientSampleId :

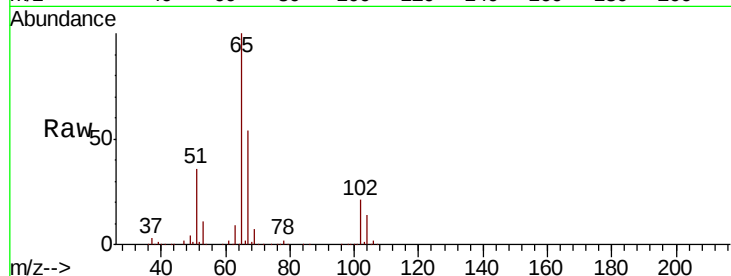
MW-19

Tot Ion: 65 Resp: 527039

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050378.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050378.D (-1983) (-)

8.03

250000

200000

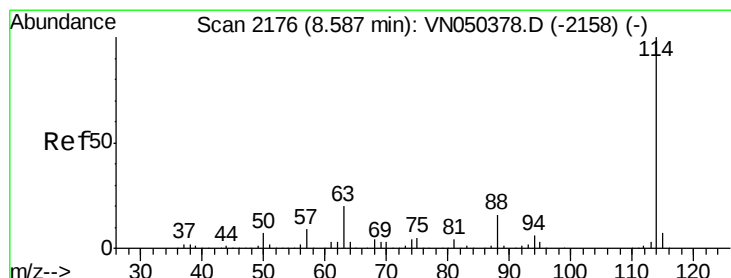
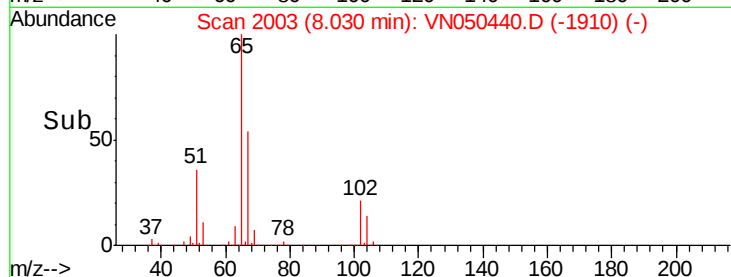
150000

100000

50000

0

Time--> 7.90 8.00 8.10 8.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050440.D

Acq: 7 Aug 2018 18:44

Tgt Ion: 114 Resp: 1287316

Ion Ratio Lower Upper

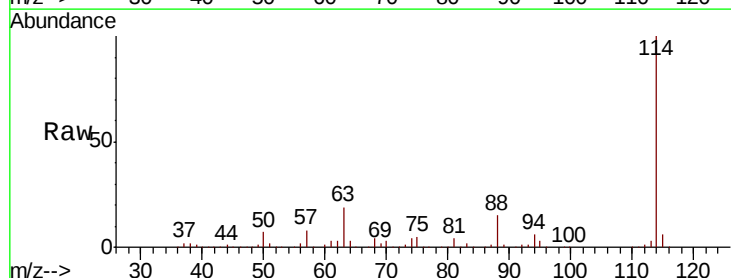
114 100

63 19.3

0.0 40.0

88 15.4

0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050378.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050378.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050378.D (-2158) (-)

8.59

800000

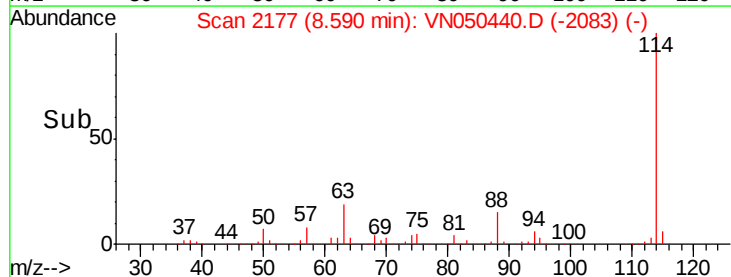
600000

400000

200000

0

Time--> 8.50 8.60 8.70 8.80

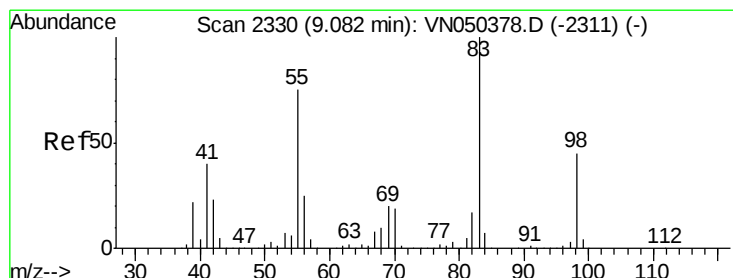
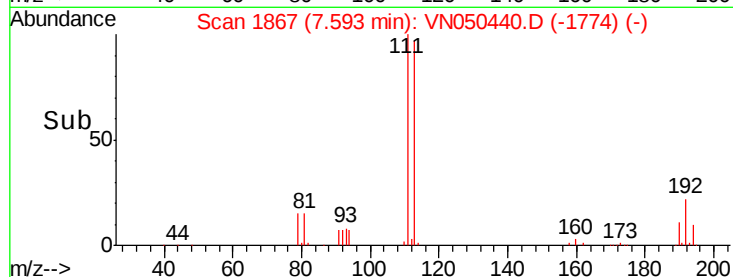
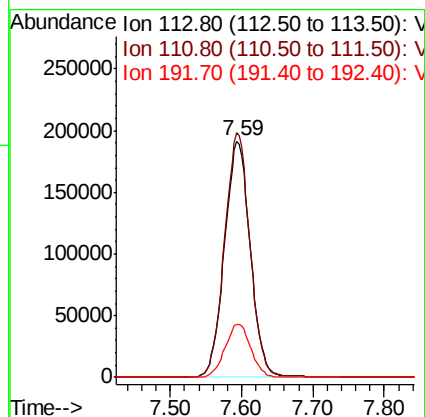
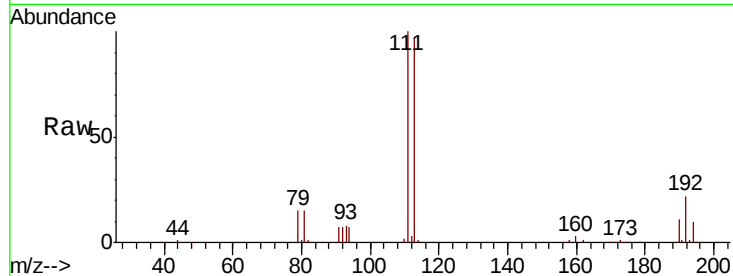




#35
 Dibromofluoromethane
 Concen: 46.62 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050440.D
 Acq: 7 Aug 2018 18:44

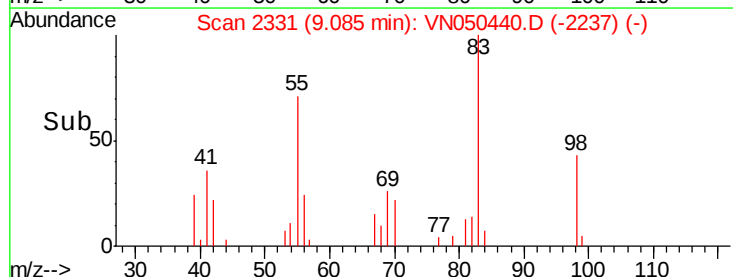
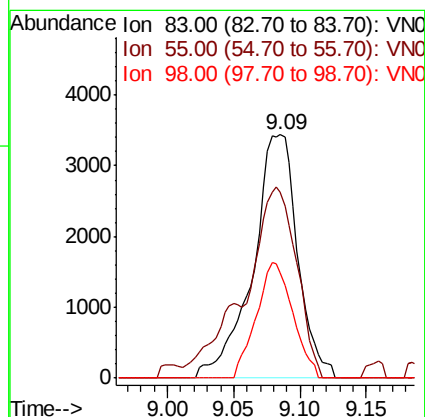
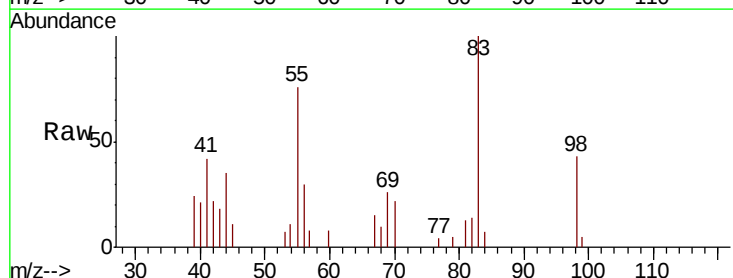
Instrument :
 MSVOA_N
 ClientSampled :
 MW-19

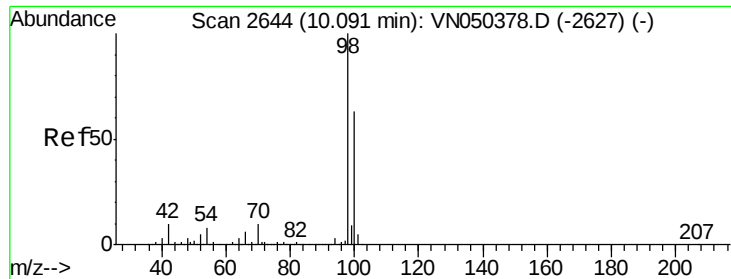
Tot Ion:113 Resp: 481591
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.7 121.1
 192 22.5 17.8 26.6



#39
 Methylcyclohexane
 Concen: 0.53 ug/l
 RT: 9.09 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN050440.D
 Acq: 7 Aug 2018 18:44

Tgt Ion: 83 Resp: 8141
 Ion Ratio Lower Upper
 83 100
 55 76.5 61.8 92.8
 98 43.3 36.5 54.7





#50

Toluene-d8

Concen: 46.30 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050440.D

Acq: 7 Aug 2018 18:44

Instrument :

MSVOA_N

ClientSampled :

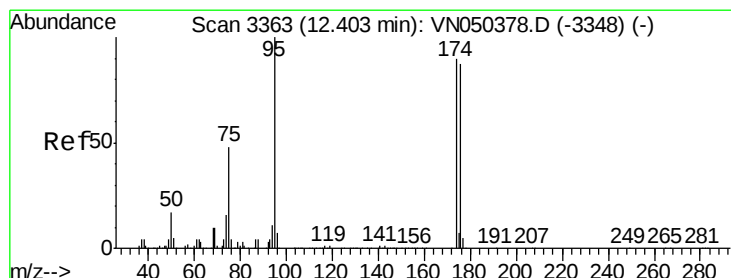
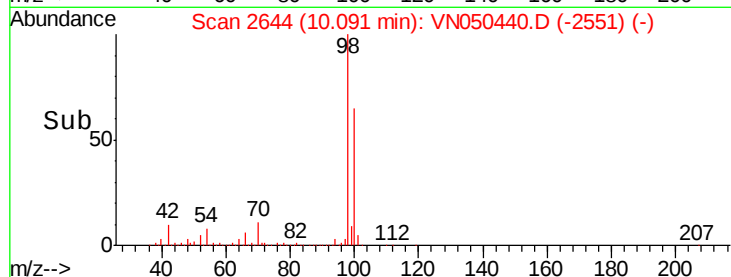
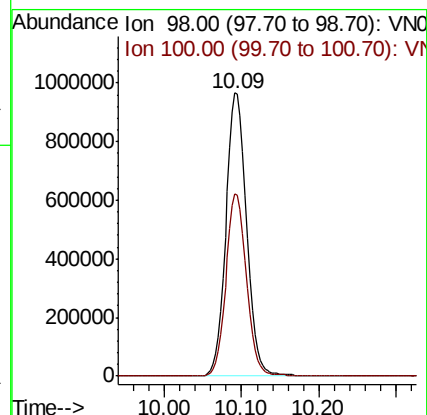
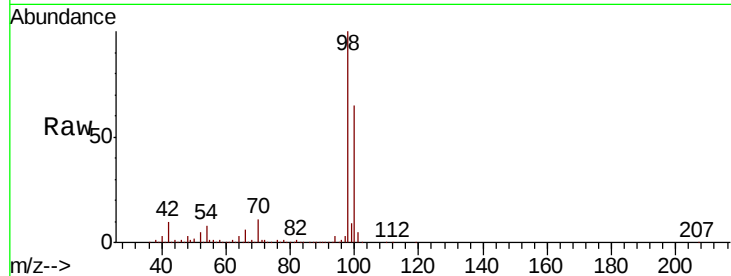
MW-19

Tot Ion: 98 Resp: 1798000

Ion Ratio Lower Upper

98 100

100 64.1 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 43.89 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050440.D

Acq: 7 Aug 2018 18:44

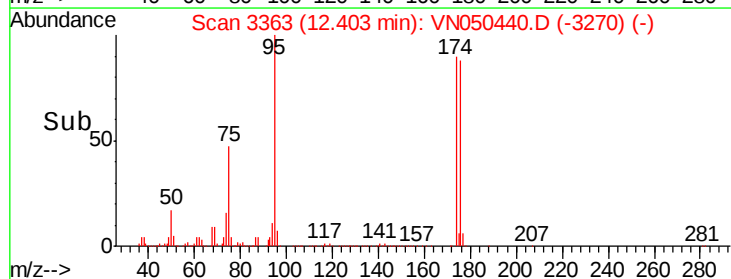
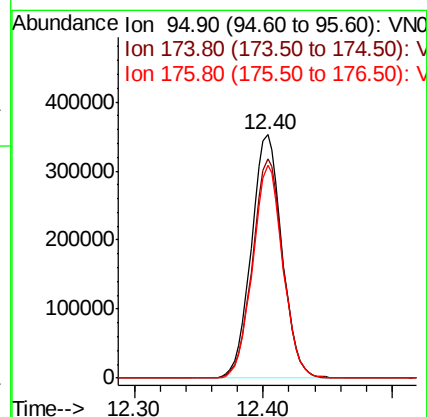
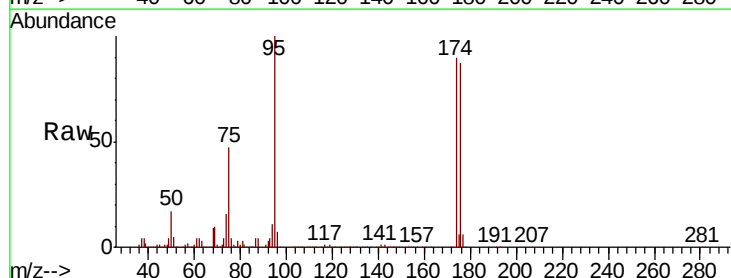
Tgt Ion: 95 Resp: 580951

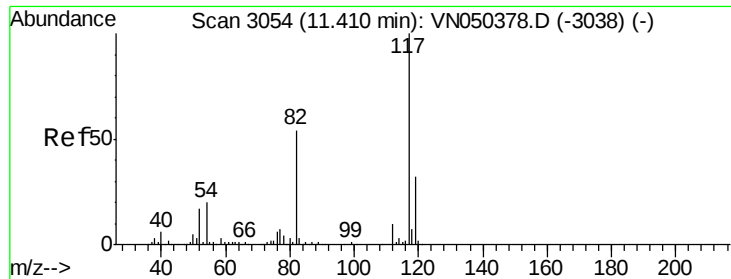
Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.2

176 86.7 0.0 173.4

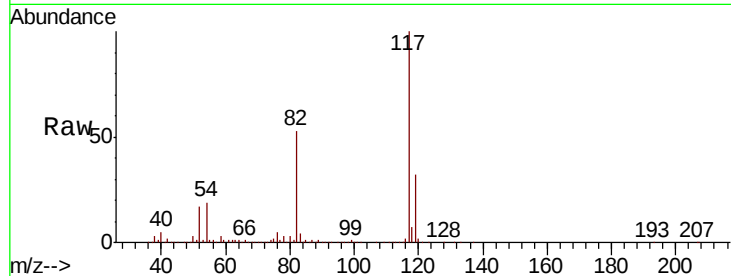




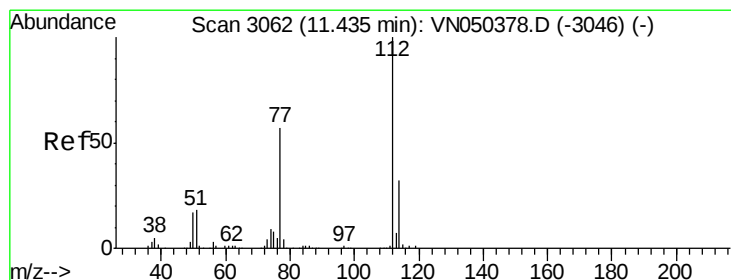
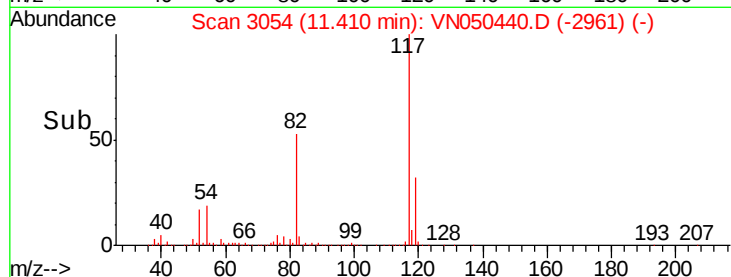
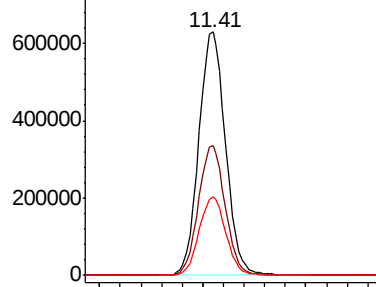
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050440.D
Acq: 7 Aug 2018 18:44

Instrument :
MSVOA_N
ClientSampleId :
MW-19

Tot Ion:117 Resp: 1135214
Ion Ratio Lower Upper
117 100
82 53.3 43.7 65.5
119 32.3 26.1 39.1

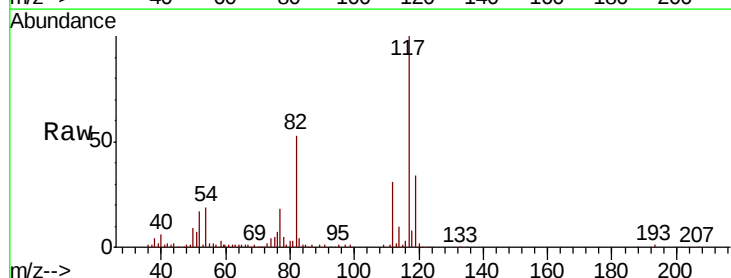


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

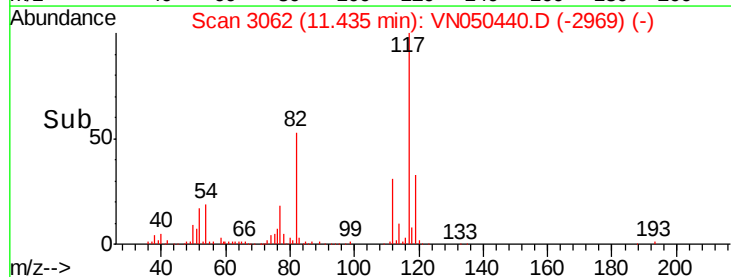
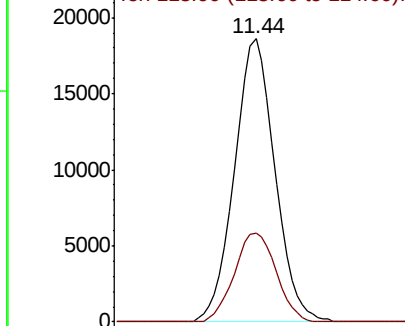


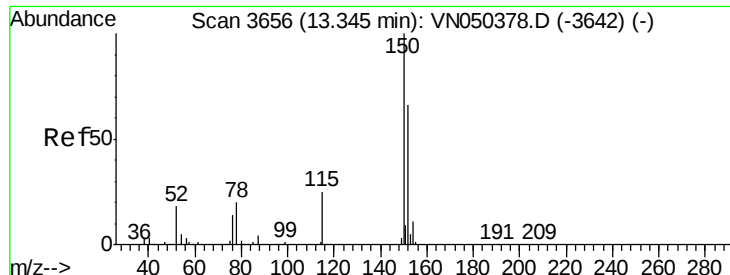
#65
Chlorobenzene
Concen: 1.12 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050440.D
Acq: 7 Aug 2018 18:44

Tgt Ion:112 Resp: 32011
Ion Ratio Lower Upper
112 100
114 31.3 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050440.D

Acq: 7 Aug 2018 18:44

Instrument :

MSVOA_N

ClientSampleId :

MW-19

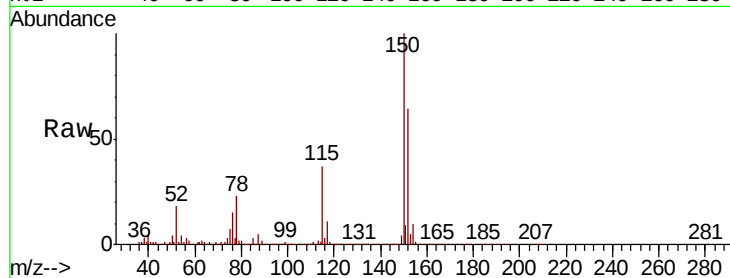
Tot Ion:152 Resp: 501868

Ion Ratio Lower Upper

152 100

115 57.3 27.8 83.3

150 157.2 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

