

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050513.D
 Acq On : 10 Aug 2018 13:18
 Operator : MD\SY
 Sample : J4420-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Aug 13 11:11:32 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	773355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1159843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	997856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	464354	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	475406	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	
35) Dibromofluoromethane	7.59	113	445323	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	10.09	98	1620132	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.40	95	508322	42.62	ug/l	0.00
Spiked Amount			Recovery	=	85.24%	

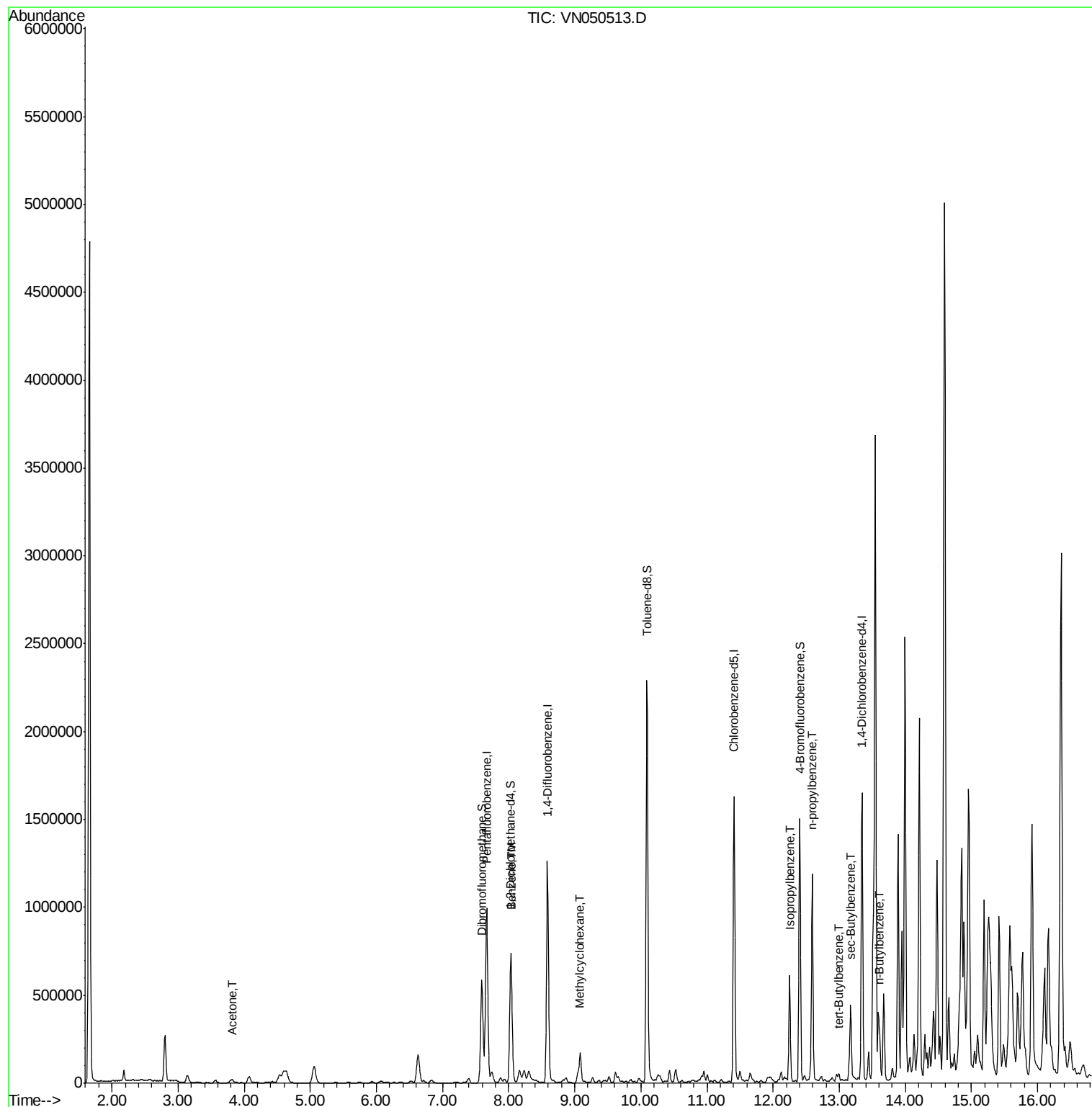
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	27110	8.45	ug/l	93
39) Methylcyclohexane	9.08	83	70192	5.05	ug/l	98
40) Benzene	8.05	78	282980	7.22	ug/l	99
73) Isopropylbenzene	12.25	105	395529	11.35	ug/l	99
78) n-propylbenzene	12.59	91	952200	24.13	ug/l	100
83) tert-Butylbenzene	12.99	119	21376	0.87	ug/l	98
85) sec-Butylbenzene	13.17	105	279149	8.48	ug/l	88
89) n-Butylbenzene	13.62	91	151921	6.33	ug/l #	69

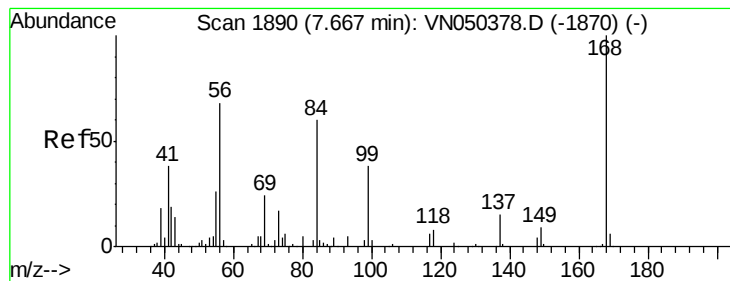
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081018\
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Quant Time: Aug 13 11:11:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
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: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

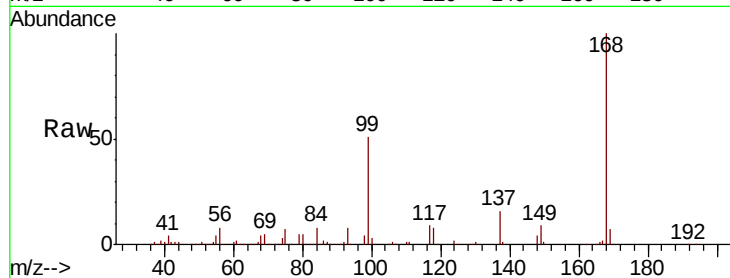
MW-1

Tot Ion:168 Resp: 773355

Ion Ratio Lower Upper

168 100

99 50.6 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

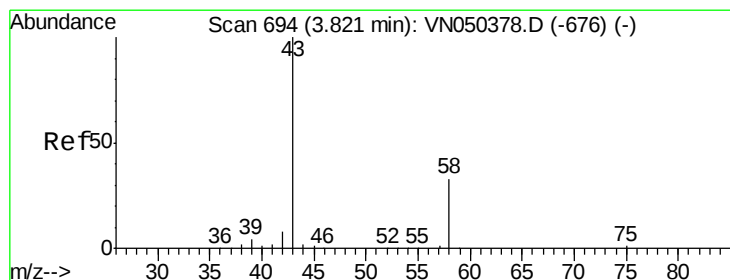
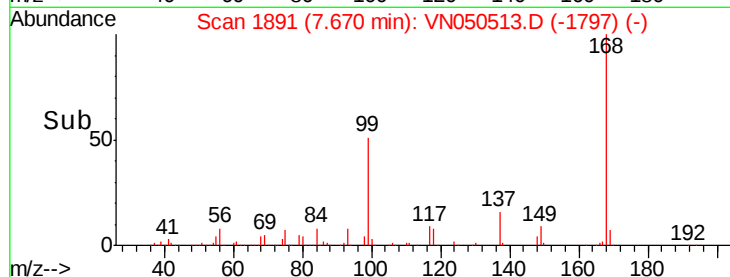
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 8.45 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050513.D

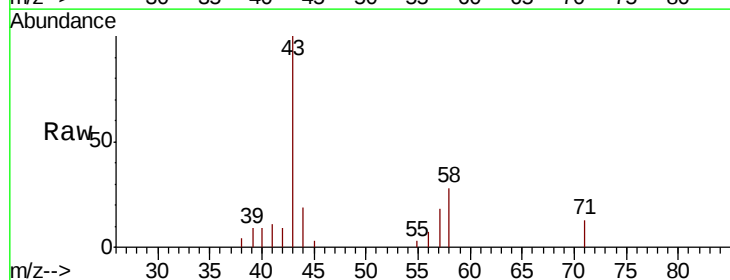
Acq: 10 Aug 2018 13:18

Tgt Ion: 43 Resp: 27110

Ion Ratio Lower Upper

43 100

58 28.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.83

8000

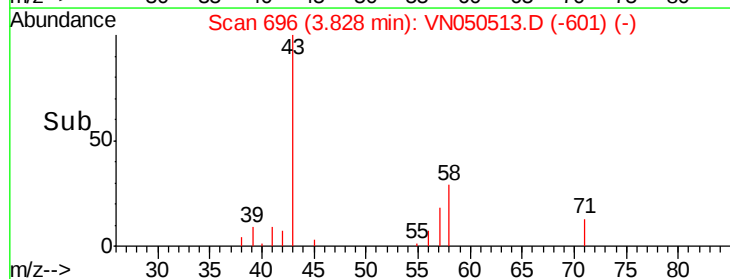
6000

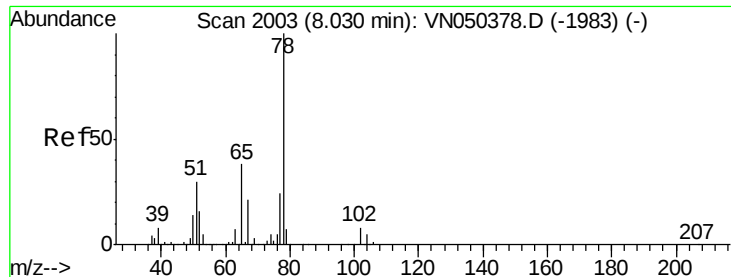
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.01 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

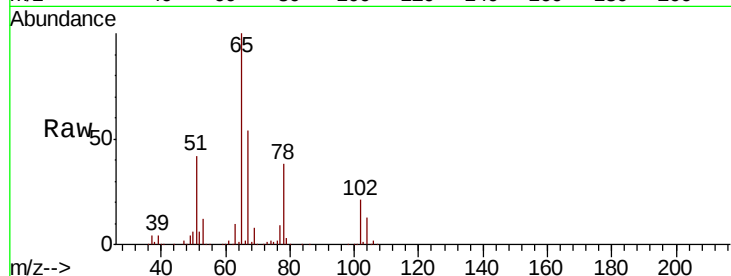
MW-1

Tot Ion: 65 Resp: 475406

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

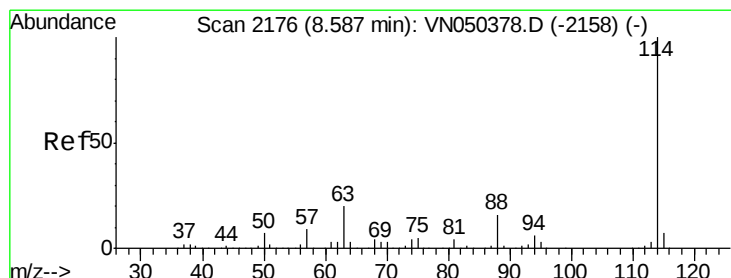
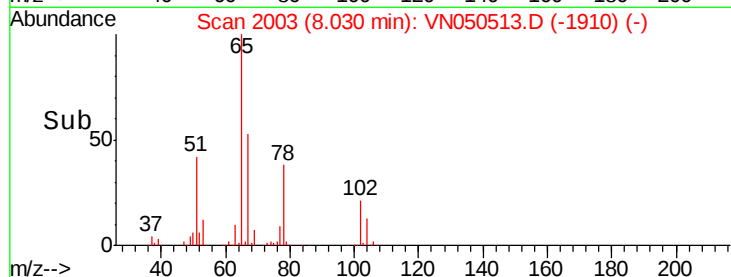
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

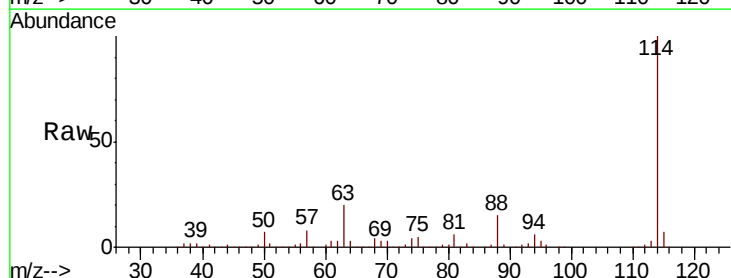
Tgt Ion:114 Resp: 1159843

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

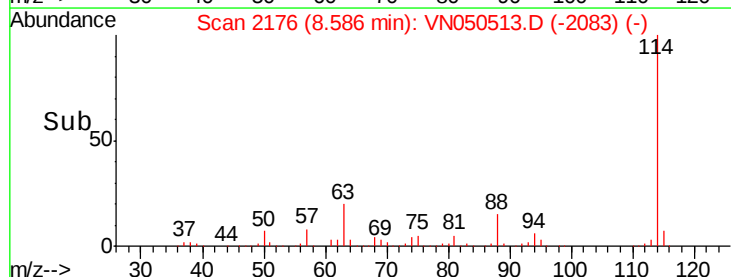
600000

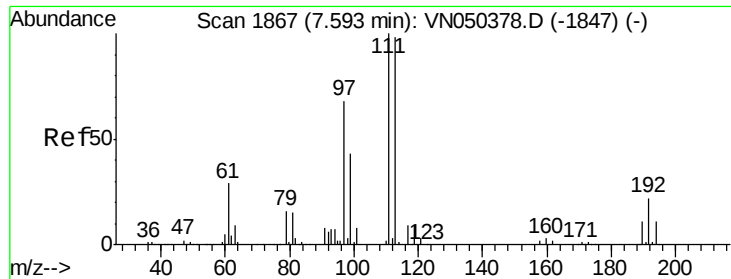
400000

200000

0

Time--> 8.50 8.60 8.70

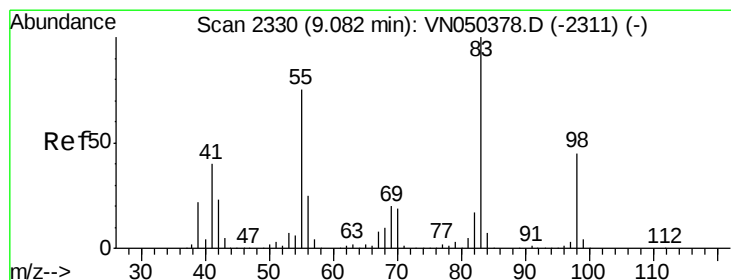
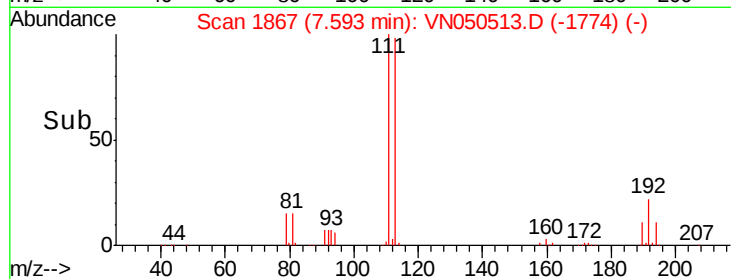
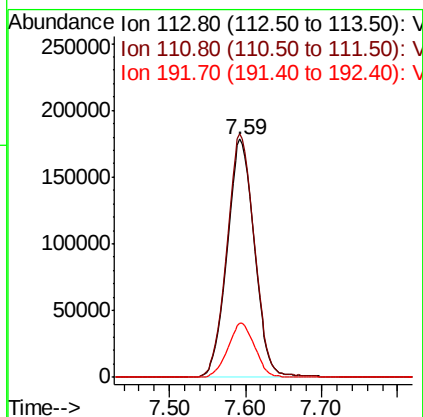
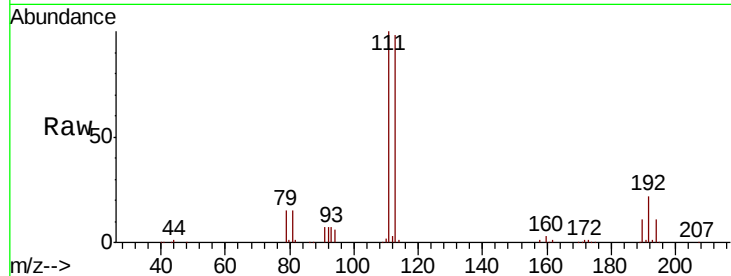




#35
Dibromofluoromethane
Concen: 47.85 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

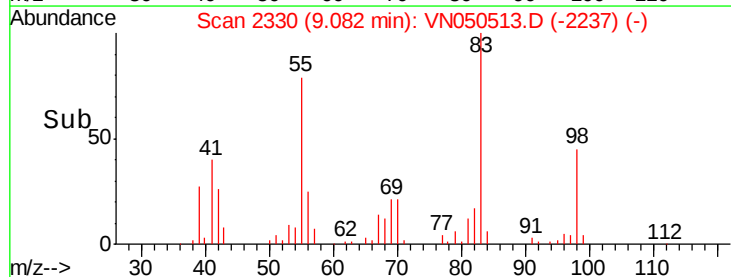
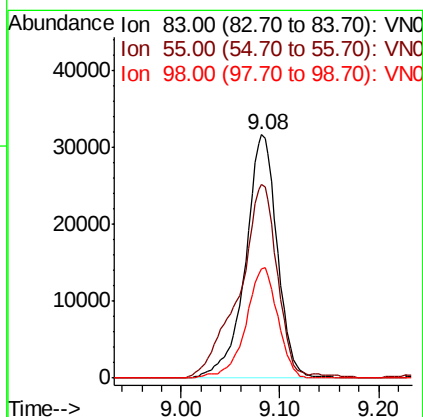
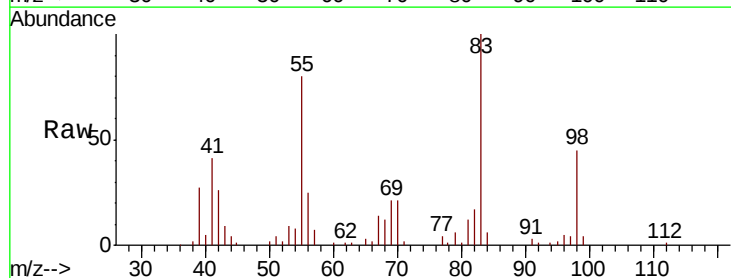
Instrument :
MSVOA_N
ClientSampleId :
MW-1

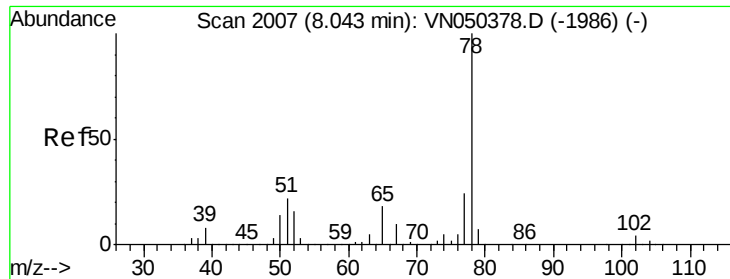
Tot Ion:113 Resp: 445323
Ion Ratio Lower Upper
113 100
111 103.1 80.7 121.1
192 22.5 17.8 26.6



#39
Methylcyclohexane
Concen: 5.05 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050513.D
Acq: 10 Aug 2018 13:18

Tgt Ion: 83 Resp: 70192
Ion Ratio Lower Upper
83 100
55 79.0 61.8 92.8
98 45.0 36.5 54.7





#40

Benzene

Concen: 7.22 ug/l

RT: 8.05 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

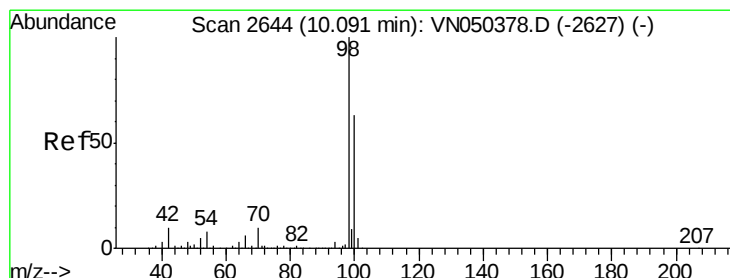
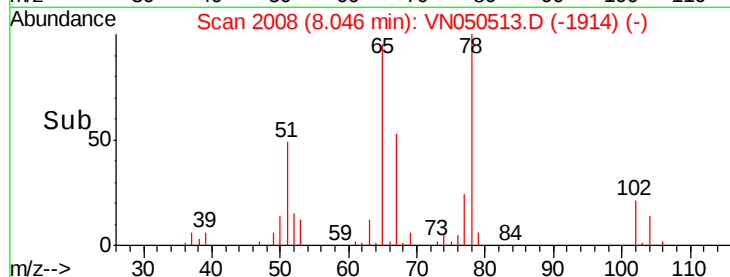
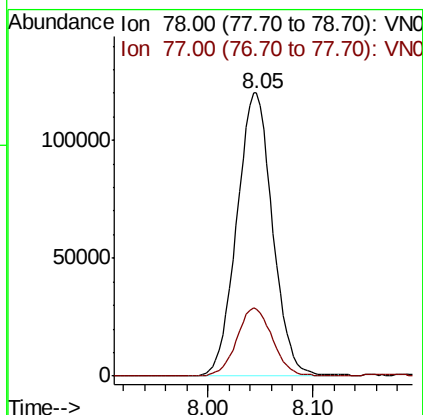
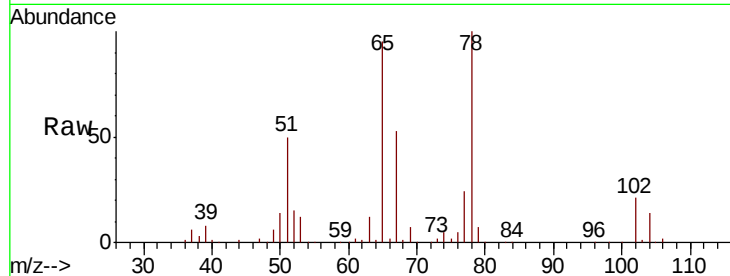
MW-1

Tot Ion: 78 Resp: 282980

Ion Ratio Lower Upper

78 100

77 23.8 18.7 28.1



#50

Toluene-d8

Concen: 46.30 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050513.D

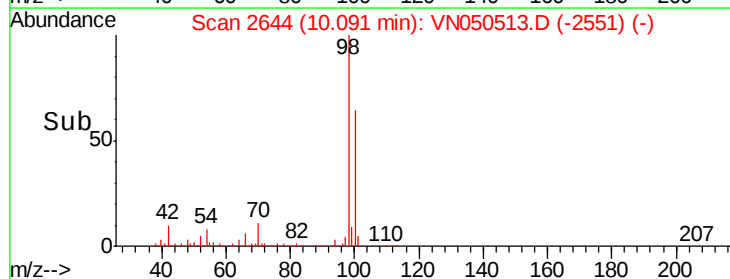
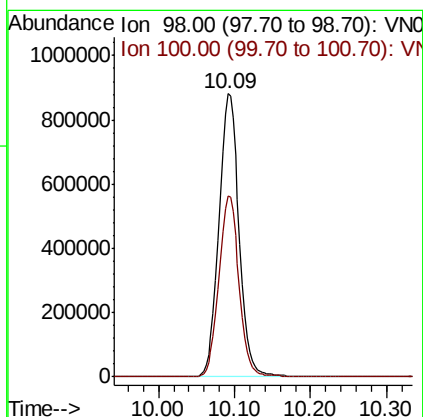
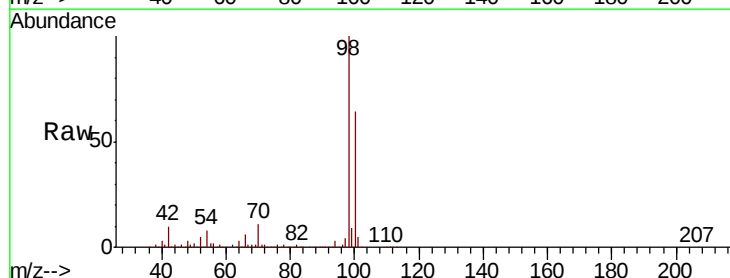
Acq: 10 Aug 2018 13:18

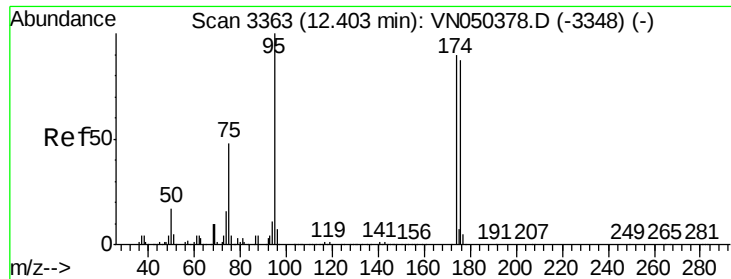
Tgt Ion: 98 Resp: 1620132

Ion Ratio Lower Upper

98 100

100 63.9 50.7 76.1





#62

4-Bromofluorobenzene

Concen: 42.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

MW-1

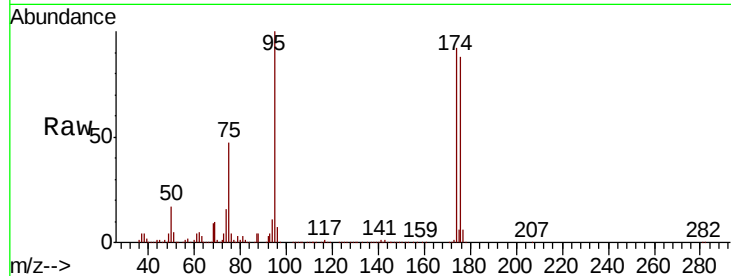
Tot Ion: 95 Resp: 508322

Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.2

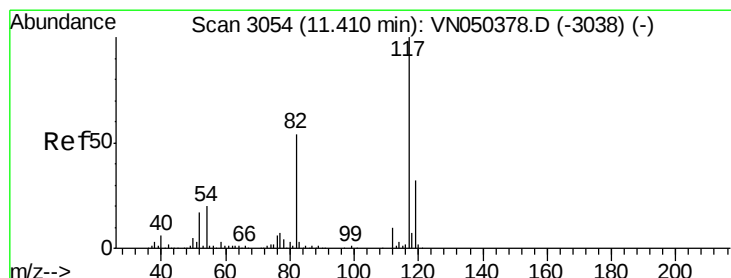
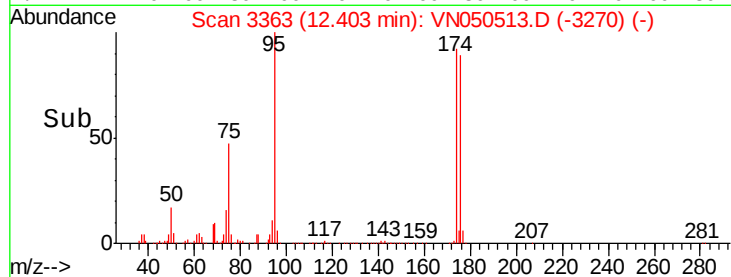
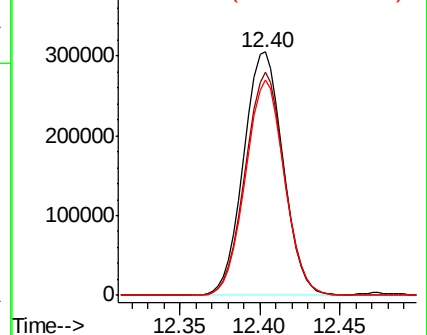
176 87.9 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN050378.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050378.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050378.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

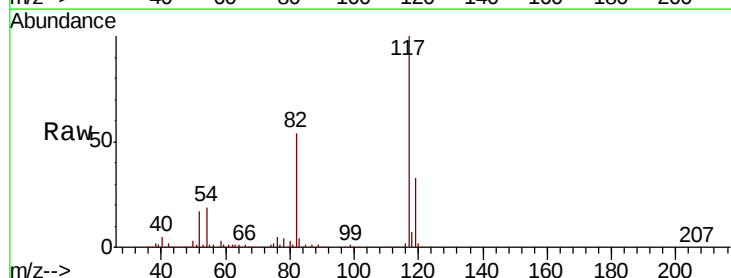
Tgt Ion: 117 Resp: 997856

Ion Ratio Lower Upper

117 100

82 53.7 43.7 65.5

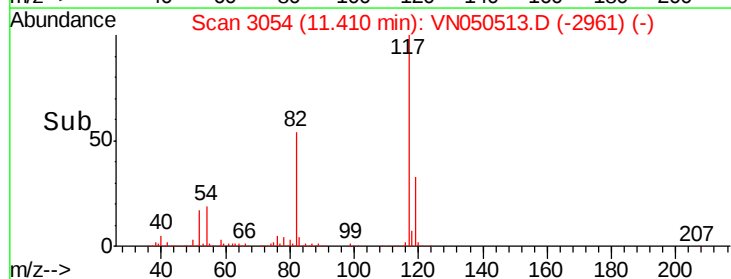
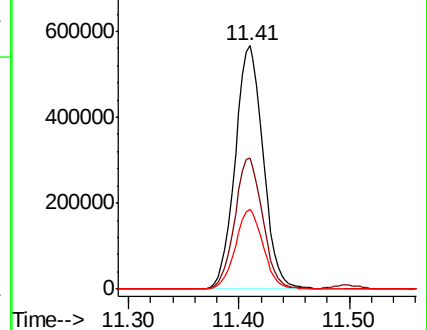
119 32.6 26.1 39.1

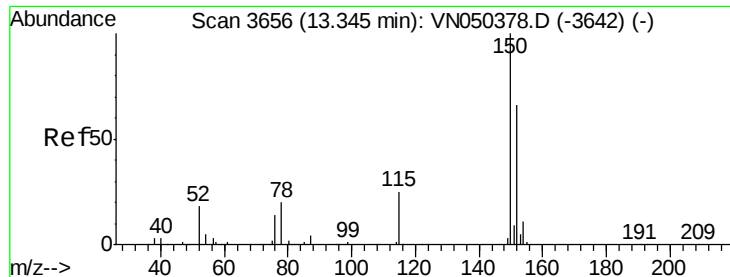


Abundance Ion 116.90 (116.60 to 117.60): VN050378.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050378.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050378.D (-3038) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

MW-1

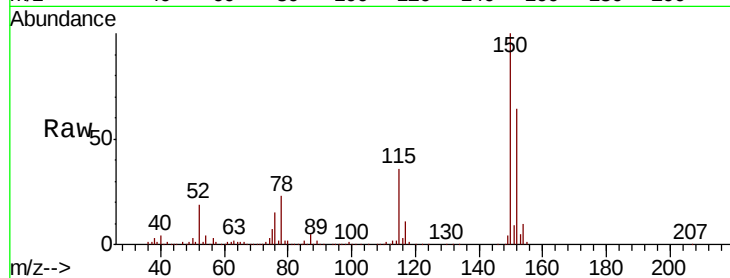
Tot Ion:152 Resp: 464354

Ion Ratio Lower Upper

152 100

115 56.5 27.8 83.3

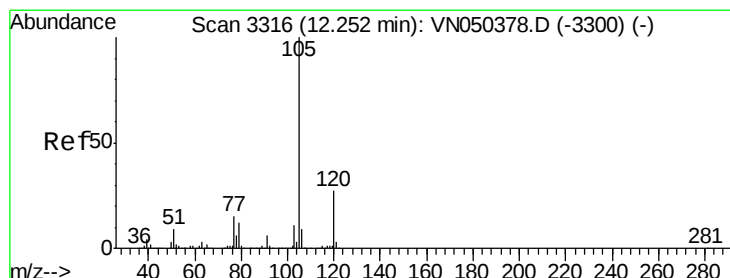
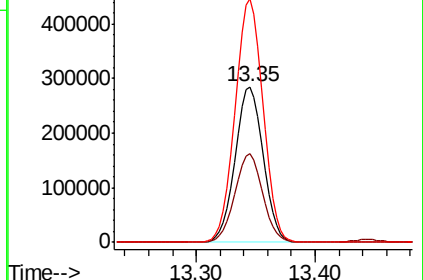
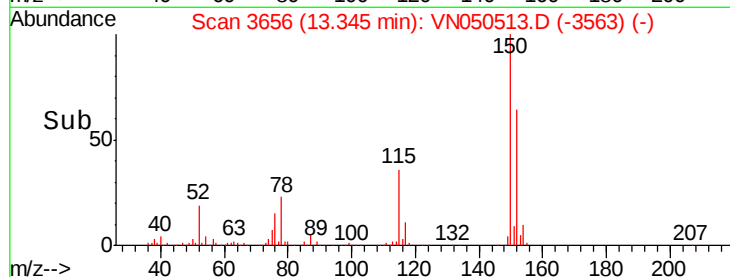
150 156.1 0.0 348.6



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: 11.35 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050513.D

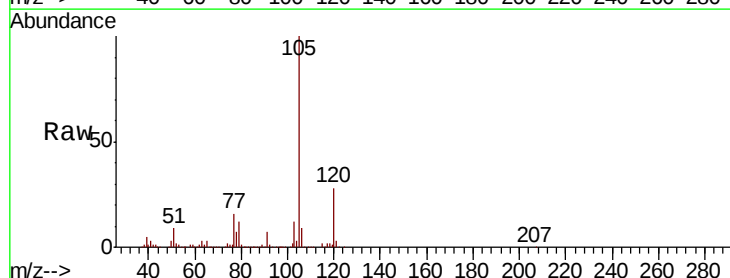
Acq: 10 Aug 2018 13:18

Tgt Ion:105 Resp: 395529

Ion Ratio Lower Upper

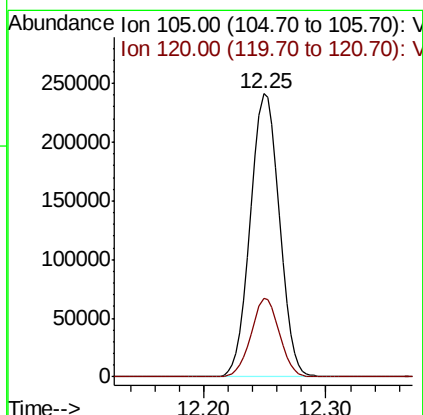
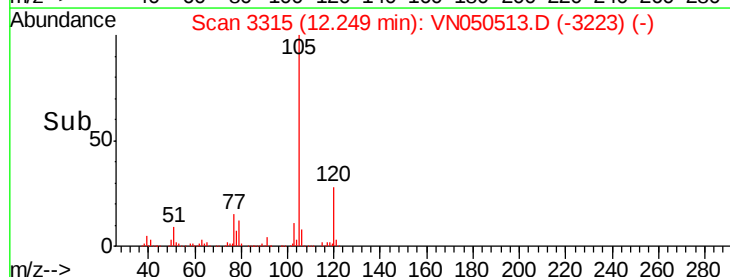
105 100

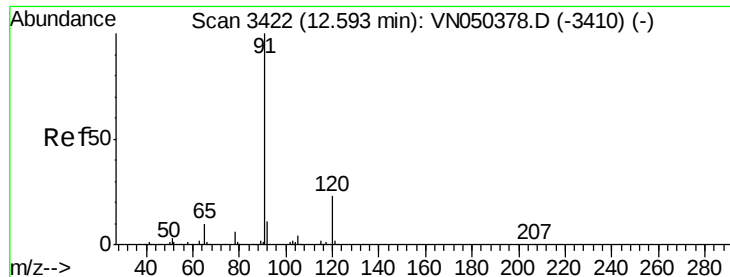
120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 24.13 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

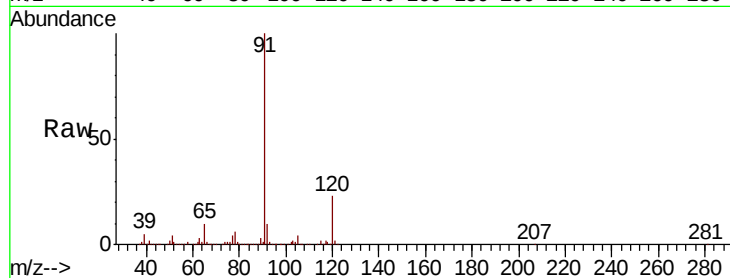
MW-1

Tot Ion: 91 Resp: 952200

Ion Ratio Lower Upper

91 100

120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN050513.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN050513.D (-3410) (-)

12.59

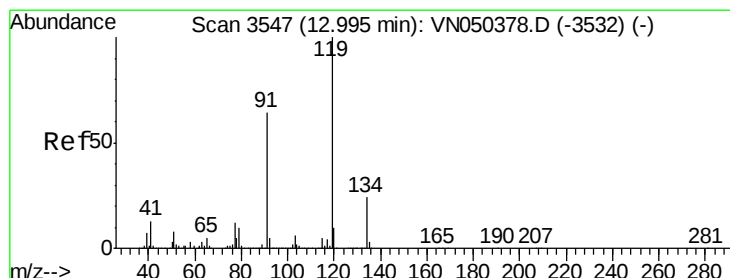
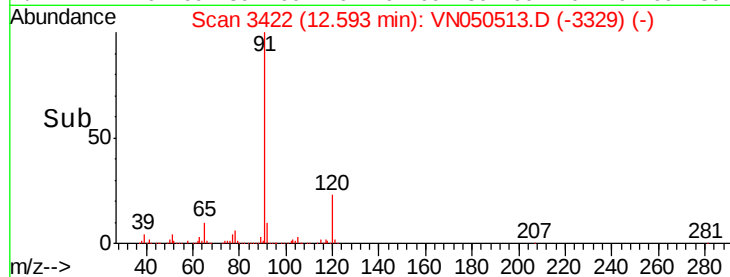
600000

400000

200000

0

Time-->



#83

tert-Butylbenzene

Concen: 0.87 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

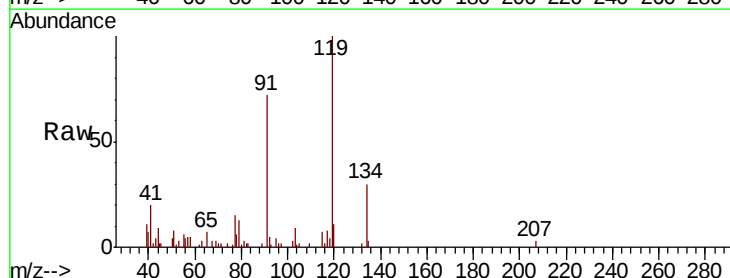
Tgt Ion: 119 Resp: 21376

Ion Ratio Lower Upper

119 100

91 62.7 32.1 96.3

134 24.8 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): VN050513.D (-3532) (-)

Ion 91.00 (90.70 to 91.70): VN050513.D (-3532) (-)

Ion 134.00 (133.70 to 134.70): VN050513.D (-3532) (-)

12.99

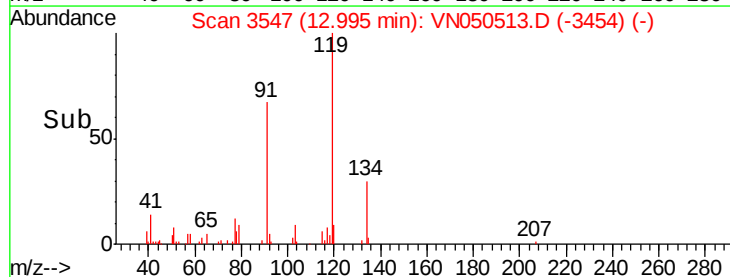
15000

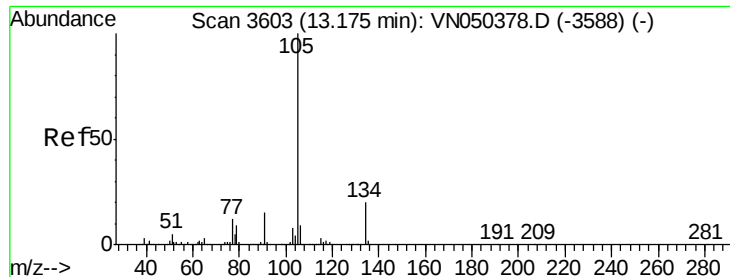
10000

5000

0

Time-->





#85

sec-Butylbenzene

Concen: 8.48 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

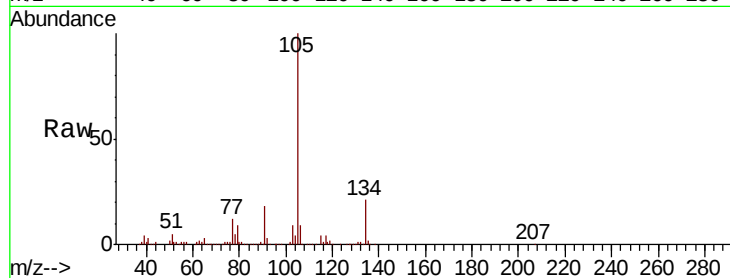
MW-1

Tot Ion:105 Resp: 279149

Ion Ratio Lower Upper

105 100

134 25.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

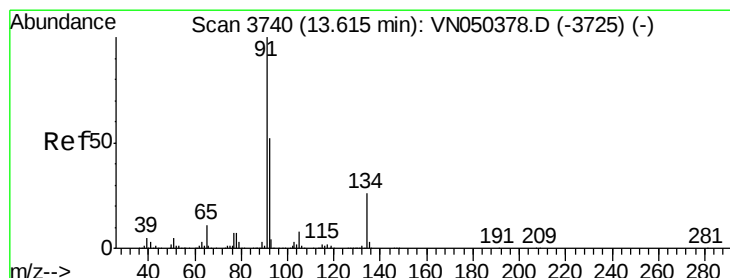
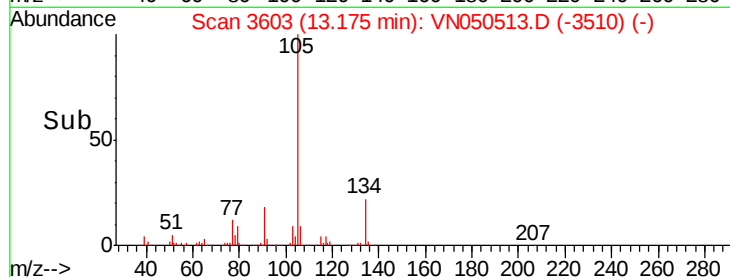
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#89

n-Butylbenzene

Concen: 6.33 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050513.D

Acq: 10 Aug 2018 13:18

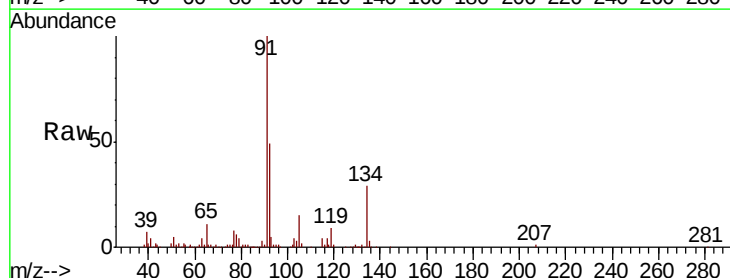
Tgt Ion: 91 Resp: 151921

Ion Ratio Lower Upper

91 100

92 41.4 25.8 77.4

134 57.9 12.8 38.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

0

Time--> 13.55 13.60 13.65

