

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
 Data File : VN049668.D
 Acq On : 2 Jul 2018 14:44
 Operator : MD\SY
 Sample : J3811-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: Jul 03 04:24:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1449528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2313846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1919376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	826290	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	973378	50.85	ug/l	0.00
Spiked Amount						
			Recovery	=	101.70%	
35) Dibromofluoromethane	7.59	113	843448	48.76	ug/l	0.00
Spiked Amount						
			Recovery	=	97.52%	
50) Toluene-d8	10.09	98	3112632	45.97	ug/l	0.00
Spiked Amount						
			Recovery	=	91.94%	
62) 4-Bromofluorobenzene	12.41	95	918174	39.72	ug/l	0.00
Spiked Amount						
			Recovery	=	79.44%	

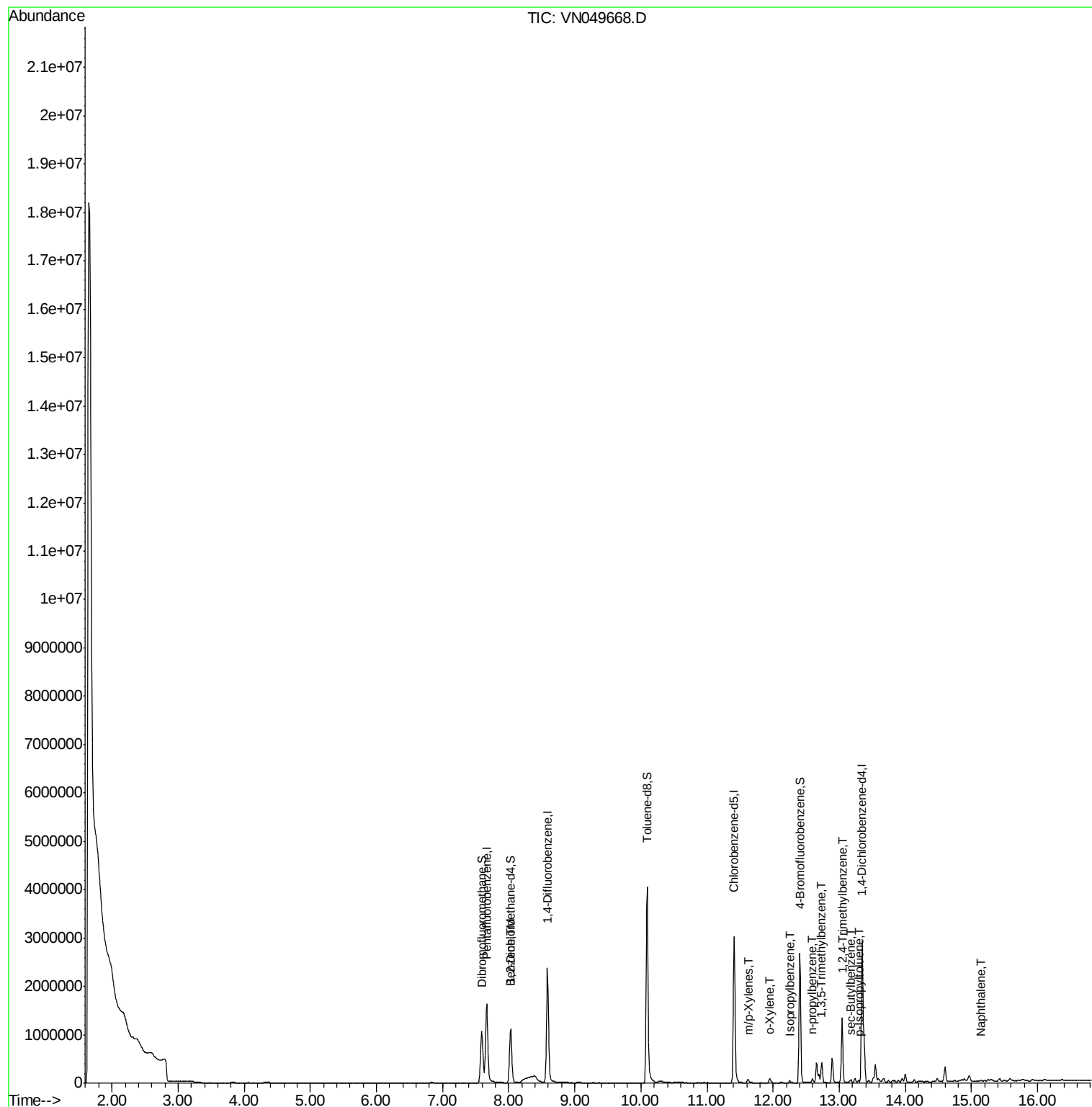
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
40) Benzene	8.04	78	36264	0.46	ug/l	96
68) m/p-Xylenes	11.62	106	22330	0.70	ug/l	94
69) o-Xylene	11.95	106	24010	0.79	ug/l	100
73) Isopropylbenzene	12.25	105	28128	0.43	ug/l	98
78) n-propylbenzene	12.60	91	61051	0.81	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	227797	4.16	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	770960	13.72	ug/l	100
85) sec-Butylbenzene	13.17	105	34628	0.56	ug/l #	68
86) p-Isopropyltoluene	13.29	119	16585	0.31	ug/l	95
95) Naphthalene	15.14	128	9784	4.31	ug/l #	93

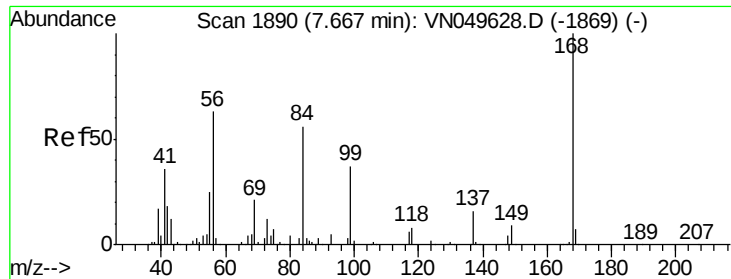
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049668.D

Acq: 2 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampleId :

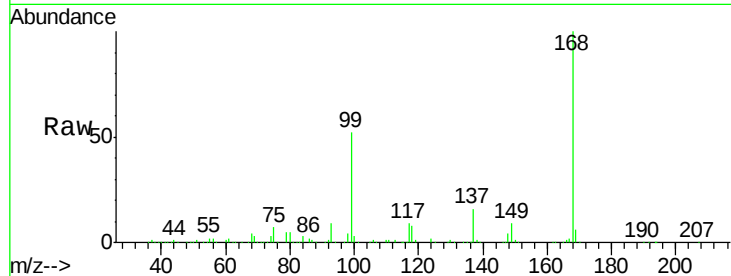
MW-3

Tot Ion:168 Resp: 1449528

Ion Ratio Lower Upper

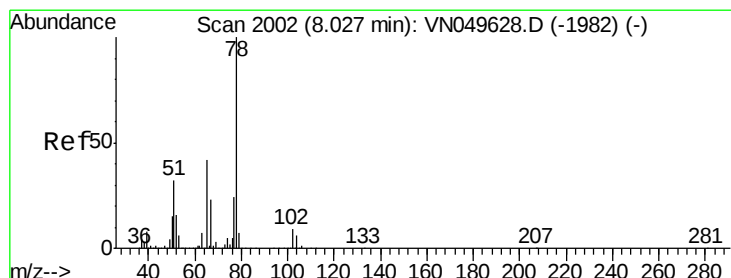
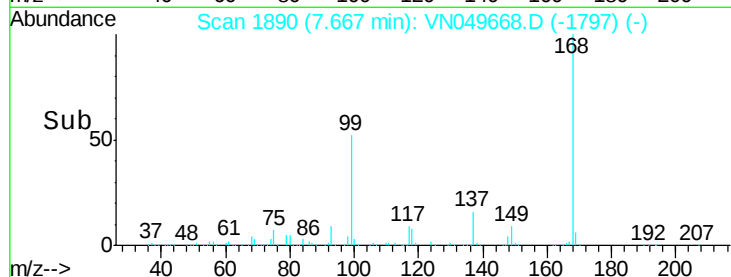
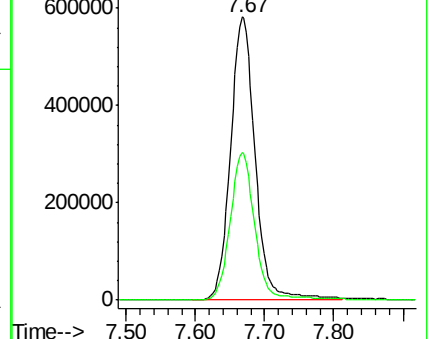
168 100

99 52.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.85 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049668.D

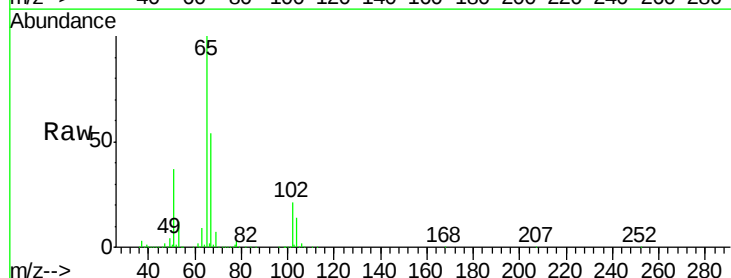
Acq: 2 Jul 2018 14:44

Tgt Ion: 65 Resp: 973378

Ion Ratio Lower Upper

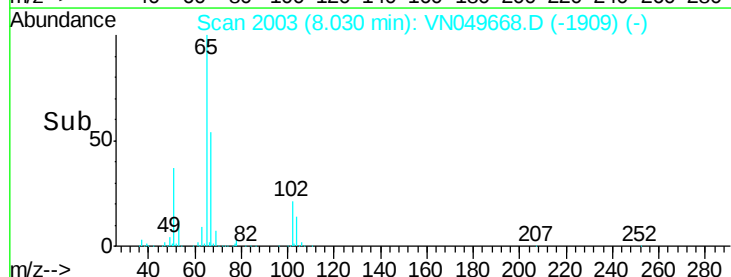
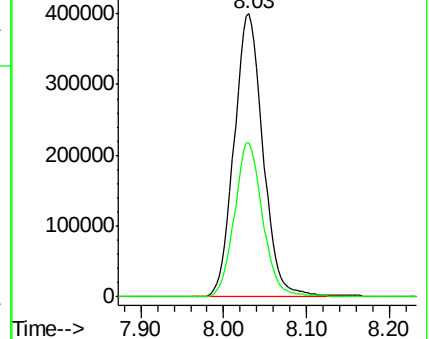
65 100

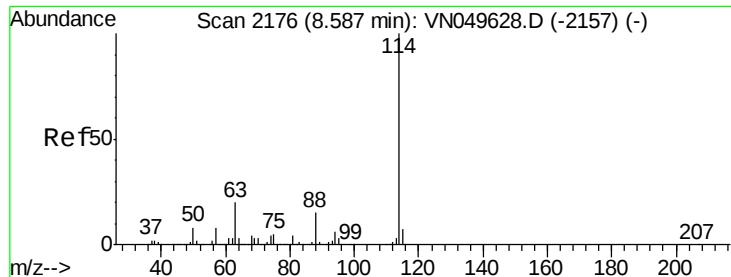
67 53.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

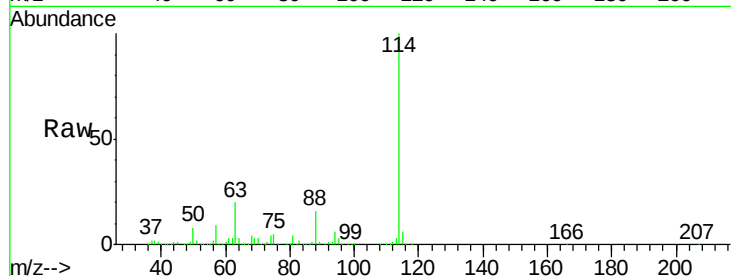




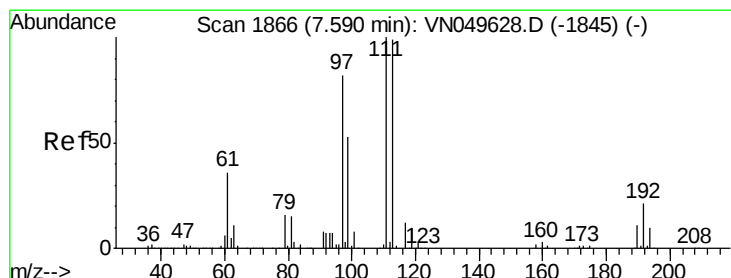
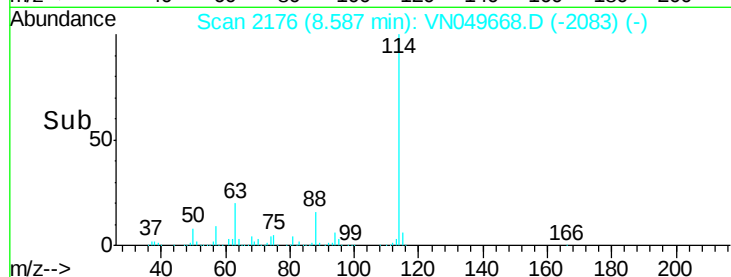
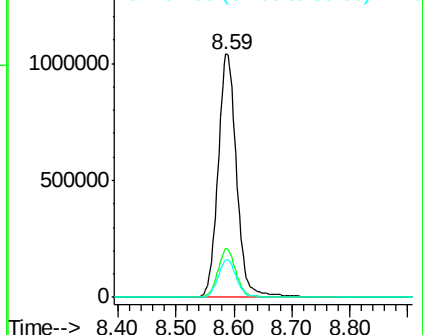
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049668.D
 Acq: 2 Jul 2018 14:44

Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

Tot Ion:114 Resp: 2313846
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.6 0.0 30.6

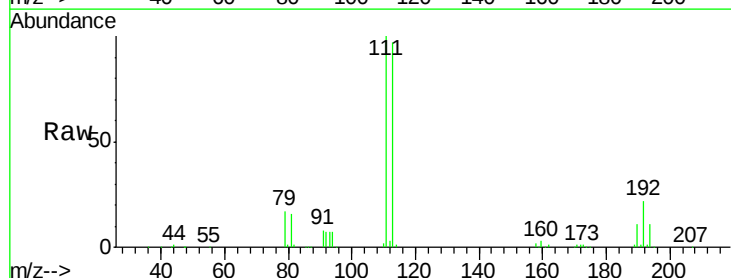


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

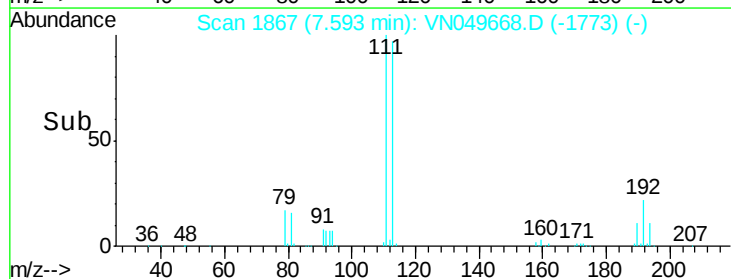
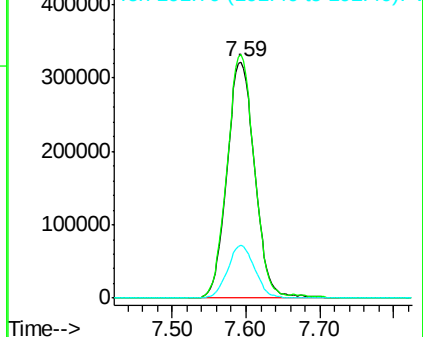


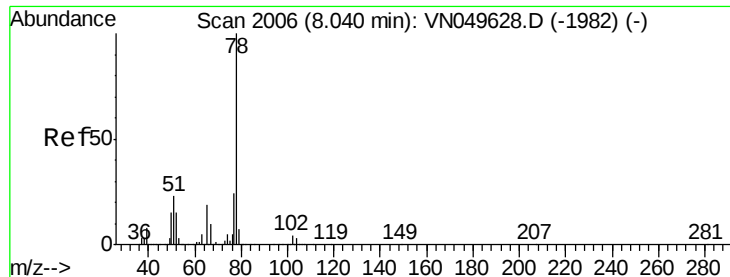
#35
 Dibromofluoromethane
 Concen: 48.76 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049668.D
 Acq: 2 Jul 2018 14:44

Tgt Ion:113 Resp: 843448
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.8 122.8
 192 21.8 17.8 26.6



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





#40

Benzene

Concen: 0.46 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049668.D

Acq: 2 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampleId :

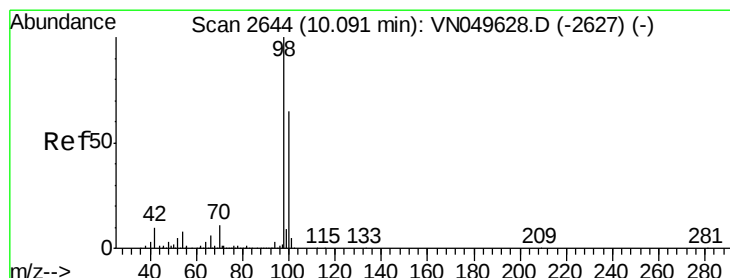
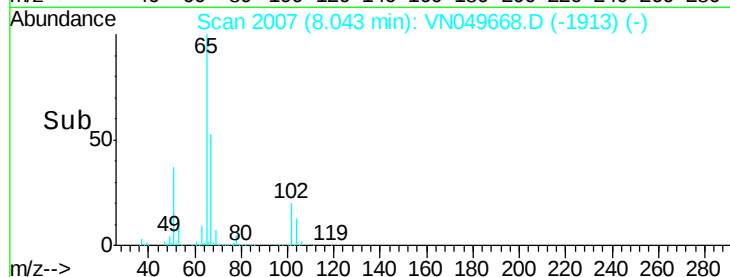
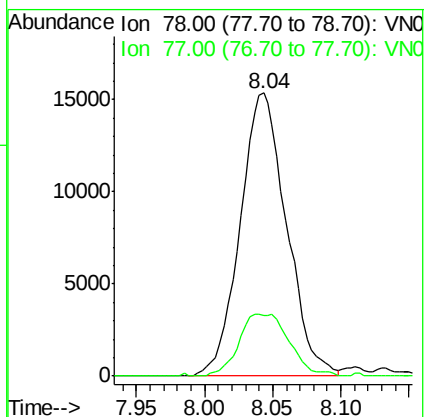
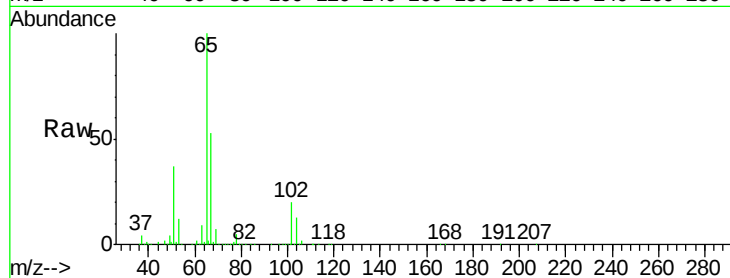
MW-3

Tot Ion: 78 Resp: 36264

Ion Ratio Lower Upper

78 100

77 21.5 19.0 28.4



#50

Toluene-d8

Concen: 45.97 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049668.D

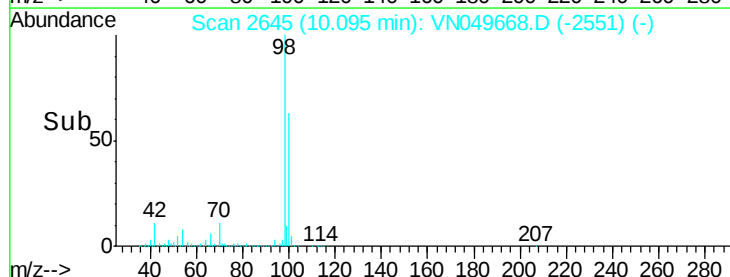
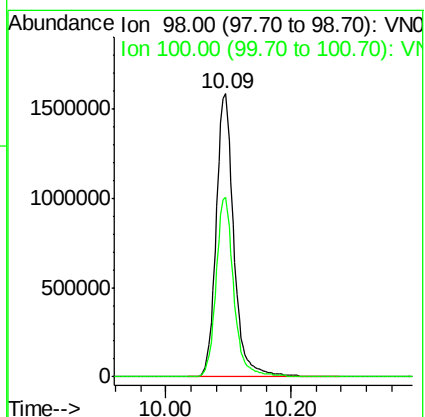
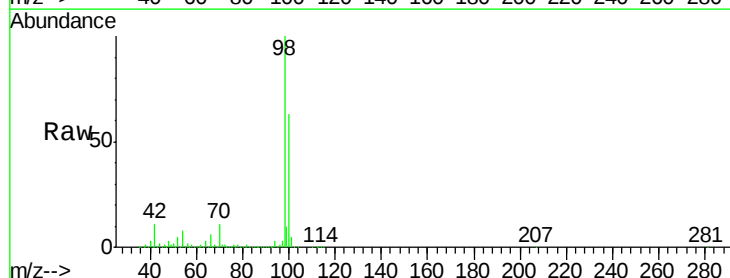
Acq: 2 Jul 2018 14:44

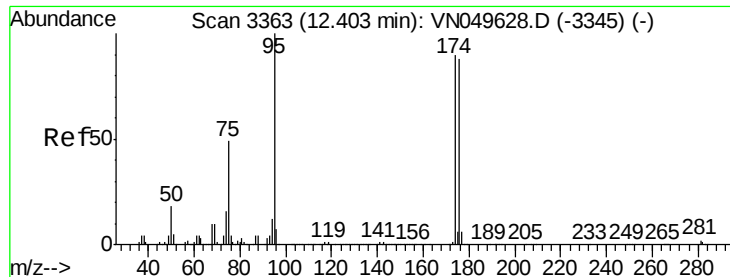
Tgt Ion: 98 Resp: 3112632

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 39.72 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049668.D

Acq: 2 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampled :

MW-3

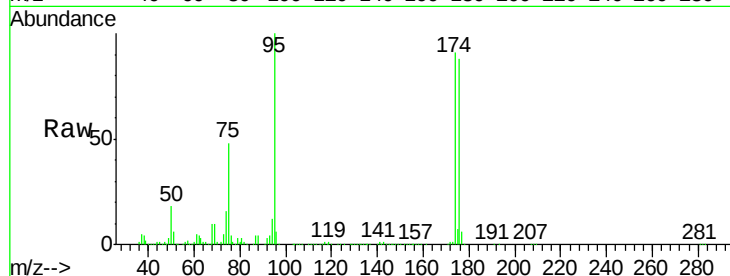
Tot Ion: 95 Resp: 918174

Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.6

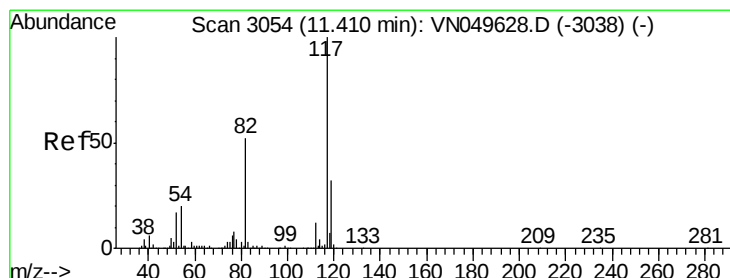
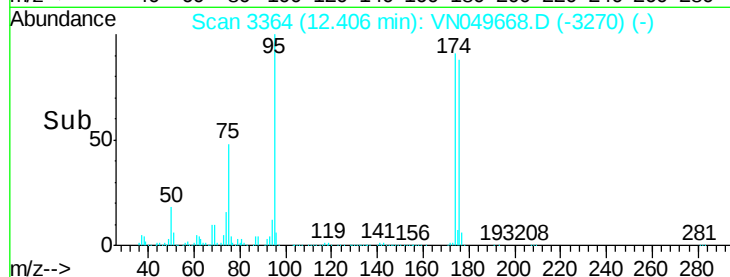
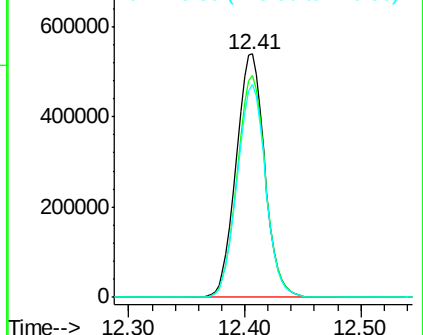
176 87.1 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049668.D

Acq: 2 Jul 2018 14:44

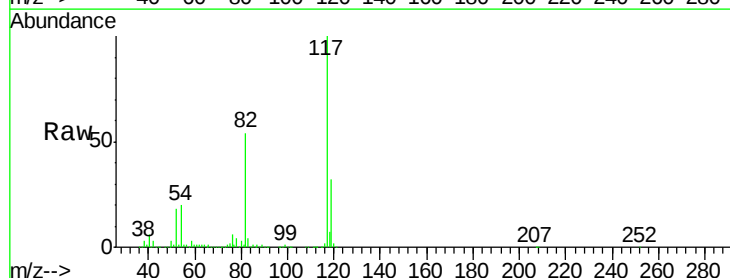
Tgt Ion: 117 Resp: 1919376

Ion Ratio Lower Upper

117 100

82 53.6 41.9 62.9

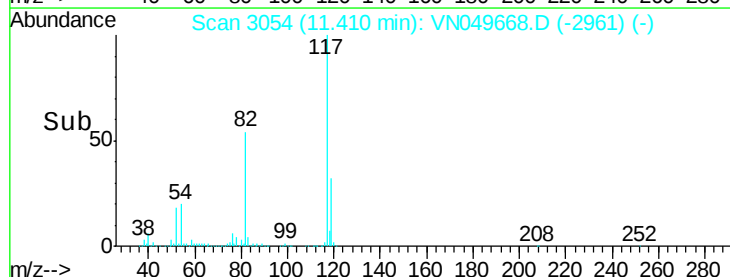
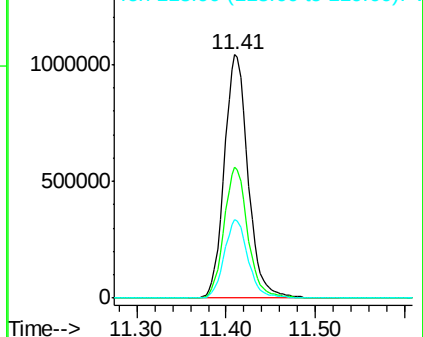
119 32.2 25.4 38.2

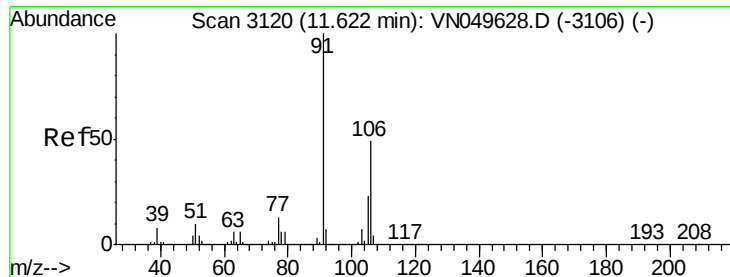


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#68

m/p-Xvlenes

Concen: 0.70 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049668.D

Acq: 2 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampled :

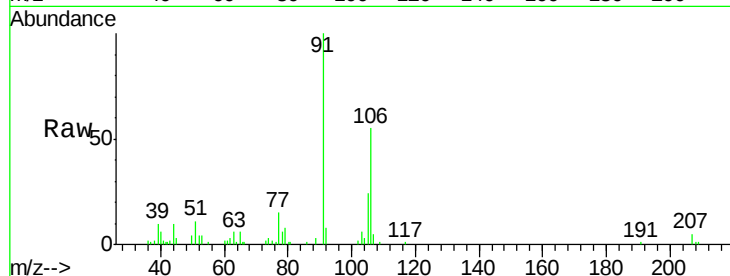
MW-3

Tot Ion:106 Resp: 22330

Ion Ratio Lower Upper

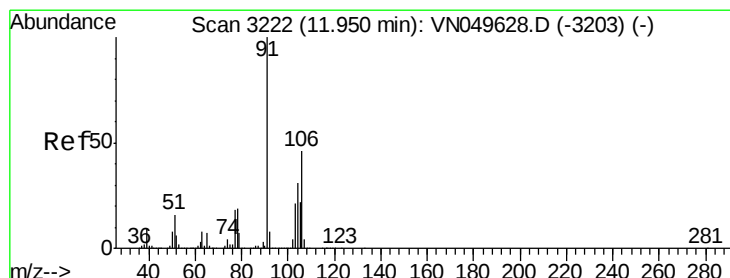
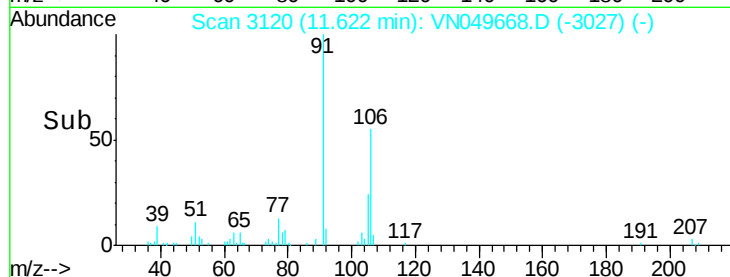
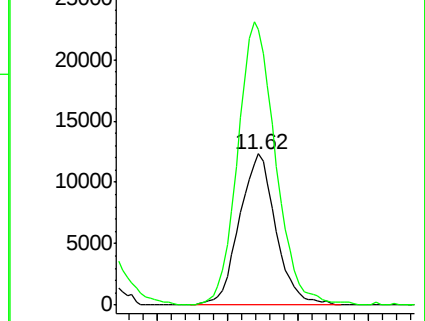
106 100

91 194.5 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.79 ug/l

RT: 11.95 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN049668.D

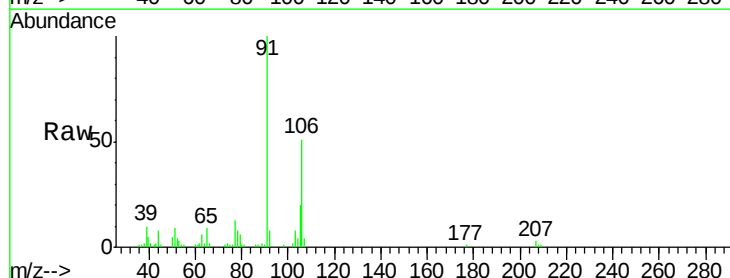
Acq: 2 Jul 2018 14:44

Tgt Ion:106 Resp: 24010

Ion Ratio Lower Upper

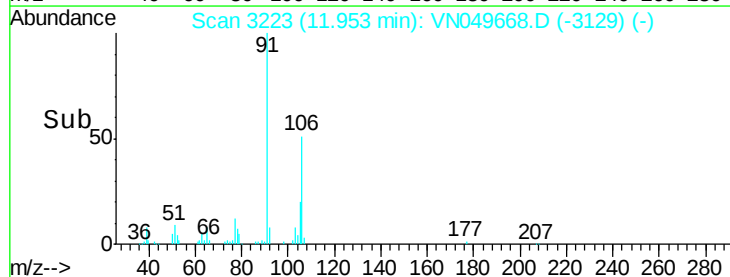
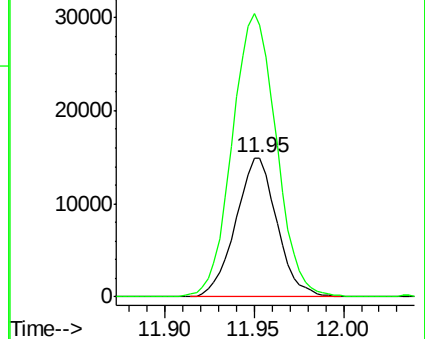
106 100

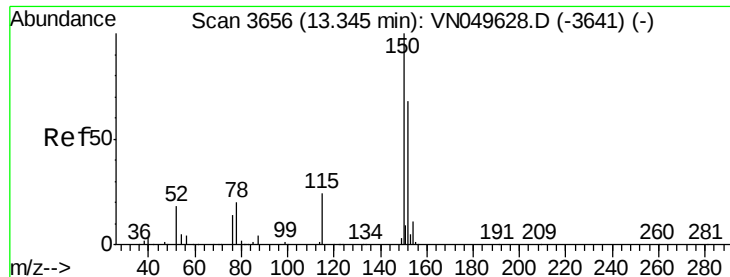
91 217.2 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049668.D

Acq: 2 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampled :

MW-3

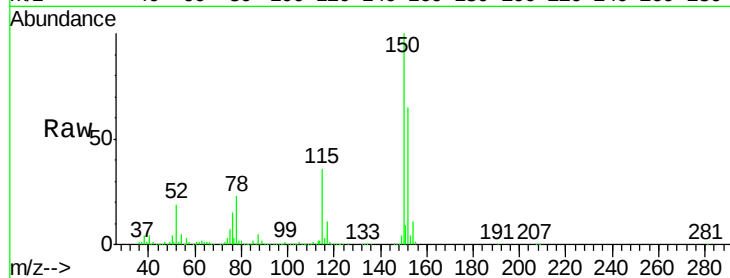
Tot Ion:152 Resp: 826290

Ion Ratio Lower Upper

152 100

115 57.1 28.1 84.2

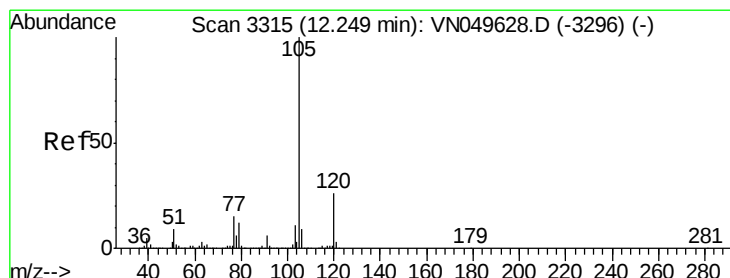
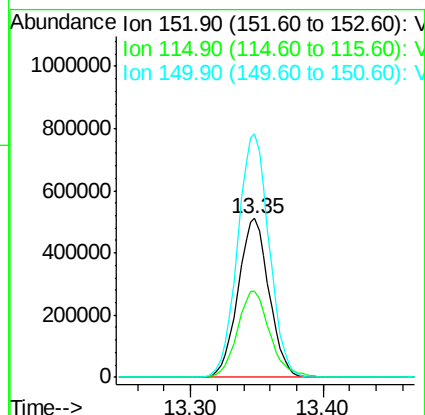
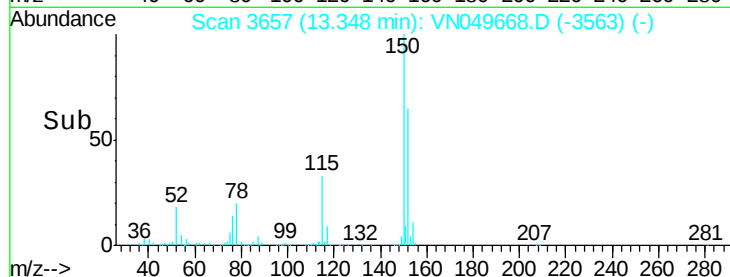
150 155.4 0.0 347.6



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: 0.43 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049668.D

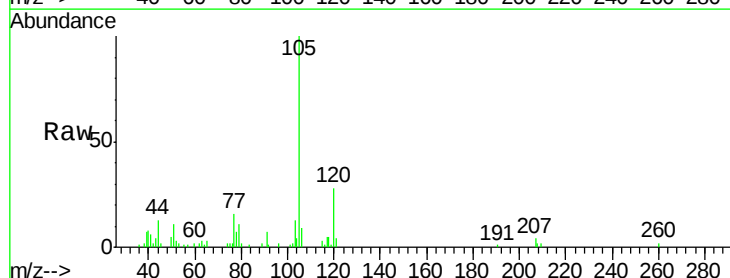
Acq: 2 Jul 2018 14:44

Tgt Ion:105 Resp: 28128

Ion Ratio Lower Upper

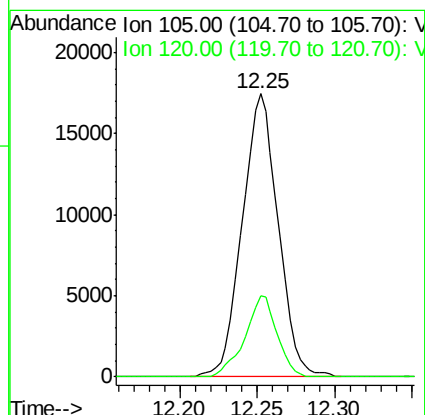
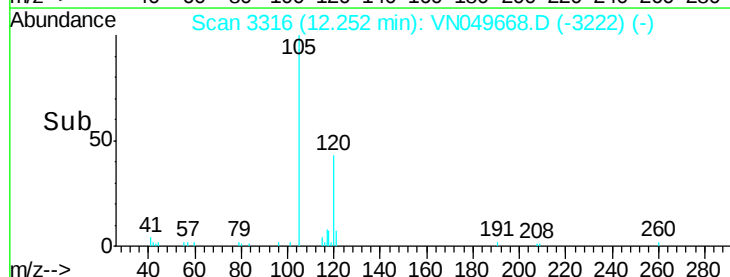
105 100

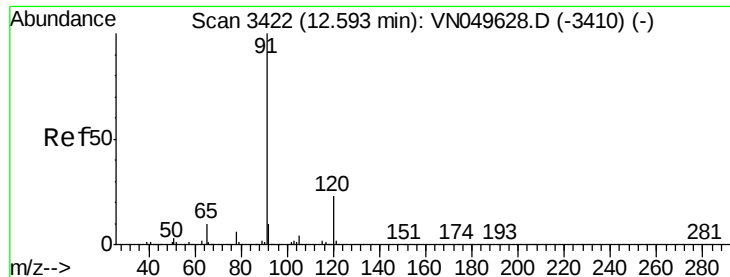
120 25.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.81 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049668.D

Acq: 2 Jul 2018 14:44

Instrument :

MSVOA_N

ClientSampled :

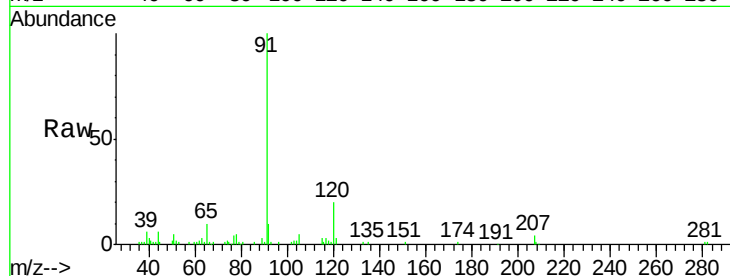
MW-3

Tot Ion: 91 Resp: 61051

Ion Ratio Lower Upper

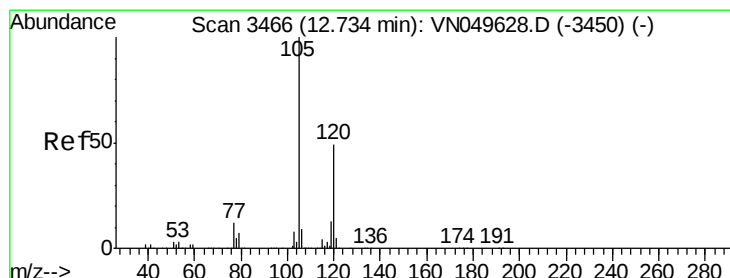
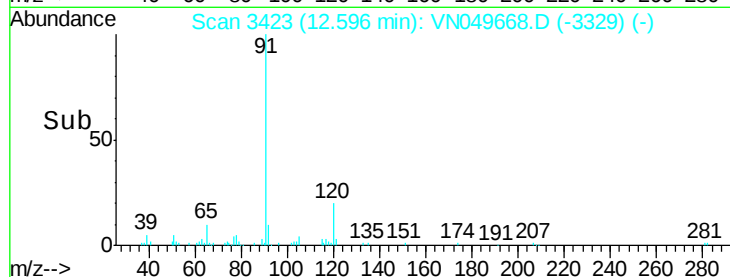
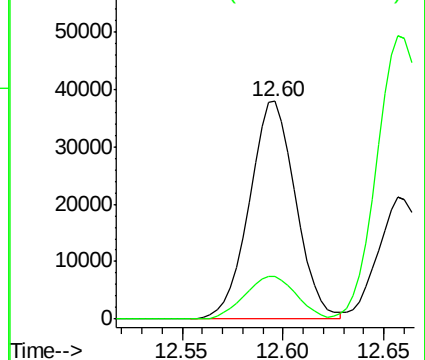
91 100

120 21.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 4.16 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049668.D

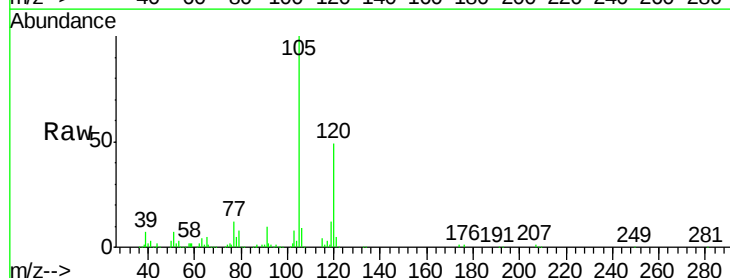
Acq: 2 Jul 2018 14:44

Tgt Ion:105 Resp: 227797

Ion Ratio Lower Upper

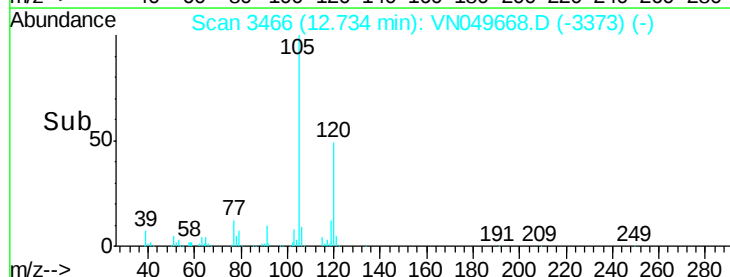
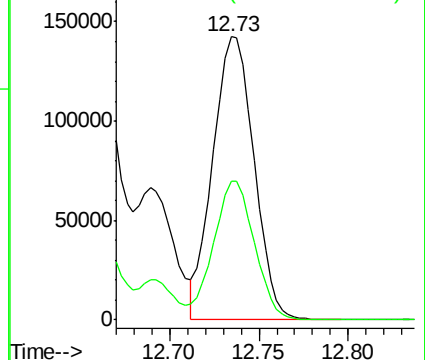
105 100

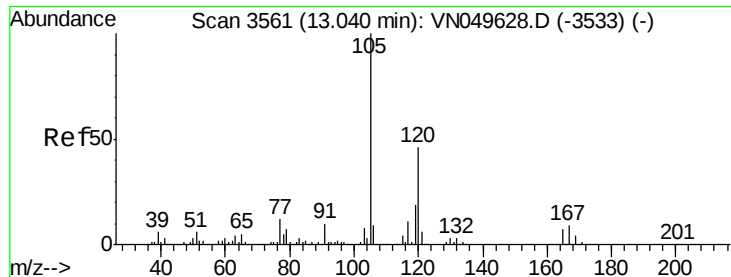
120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

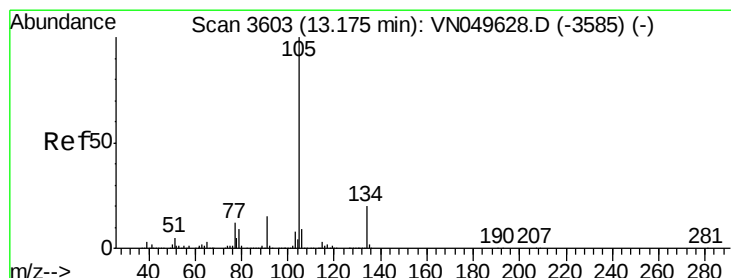
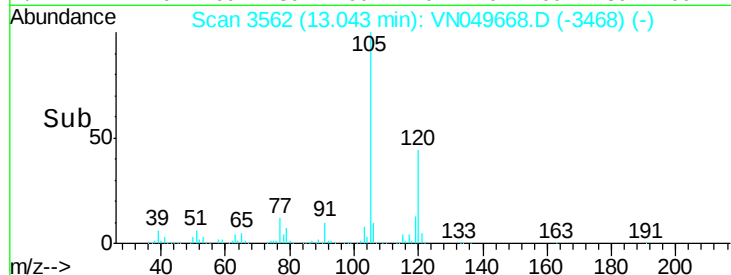
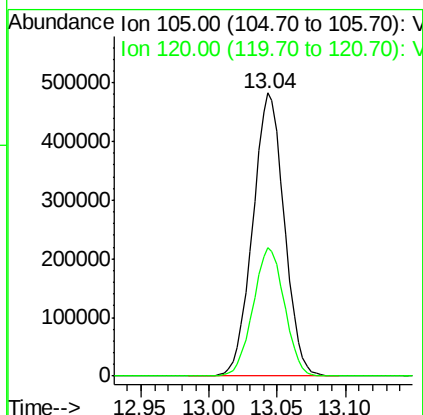
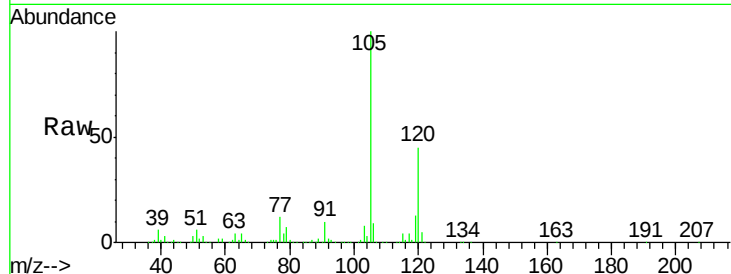




#84
 1,2,4-Trimethylbenzene
 Concen: 13.72 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049668.D
 Acq: 2 Jul 2018 14:44

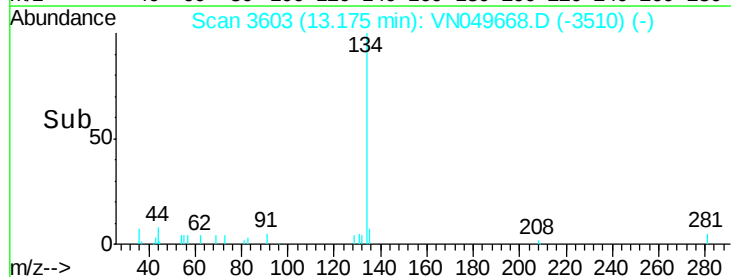
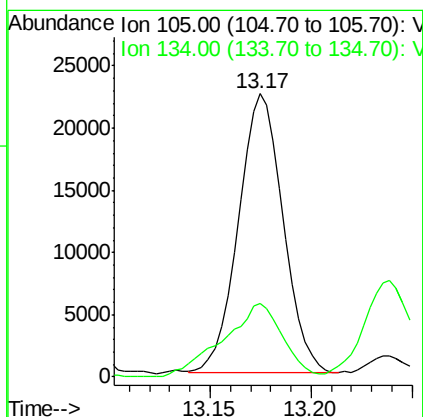
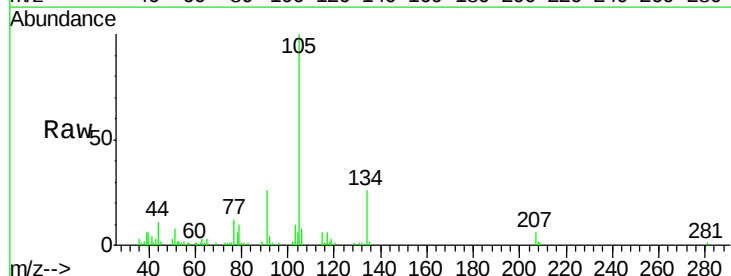
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

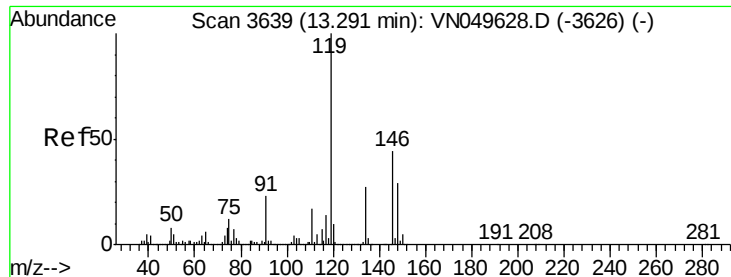
Tot Ion:105 Resp: 770960
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 0.56 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN049668.D
 Acq: 2 Jul 2018 14:44

Tgt Ion:105 Resp: 34628
 Ion Ratio Lower Upper
 105 100
 134 34.8 10.1 30.1#

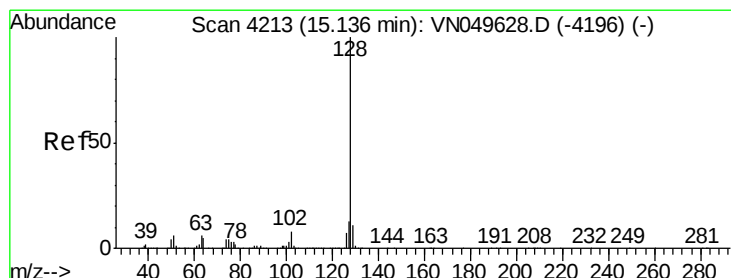
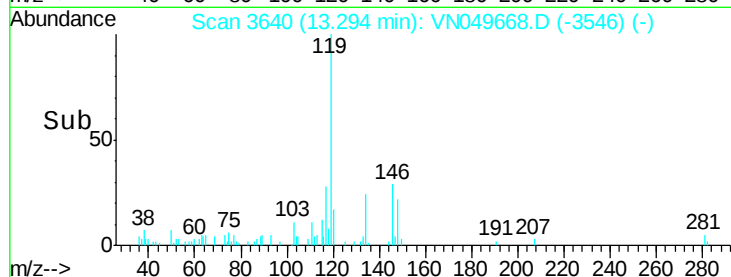
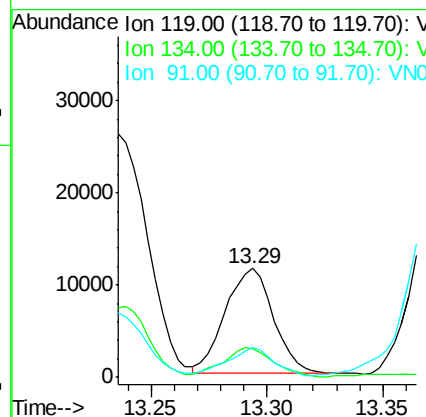
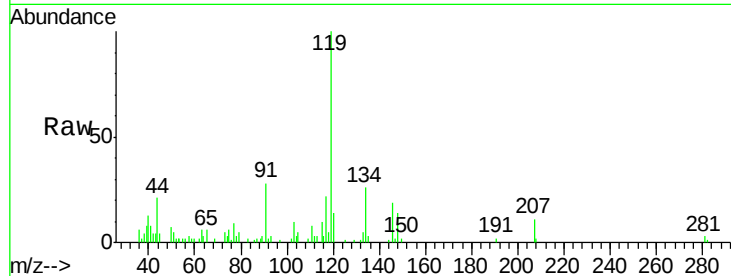




#86
 p-Isopropyltoluene
 Concen: 0.31 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN049668.D
 Acq: 2 Jul 2018 14:44

Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

Tot Ion:119 Resp: 16585
 Ion Ratio Lower Upper
 119 100
 134 29.7 13.3 39.9
 91 24.5 11.4 34.1



#95
 Naphthalene
 Concen: 4.31 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049668.D
 Acq: 2 Jul 2018 14:44

Tgt Ion:128 Resp: 9784
 Ion Ratio Lower Upper
 128 100
 127 18.0 10.4 15.6#
 129 11.3 8.6 13.0

