

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050188.D
 Acq On : 30 Jul 2018 15:33
 Operator : MD\SY
 Sample : J4184-07DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2BDL

Quant Time: Jul 31 15:11:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	686314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1099209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	930164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	408695	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	466356	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	7.59	113	424987	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
50) Toluene-d8	10.09	98	1499152	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	
62) 4-Bromofluorobenzene	12.40	95	457131	42.08	ug/l	0.00
Spiked Amount			Recovery	=	84.16%	

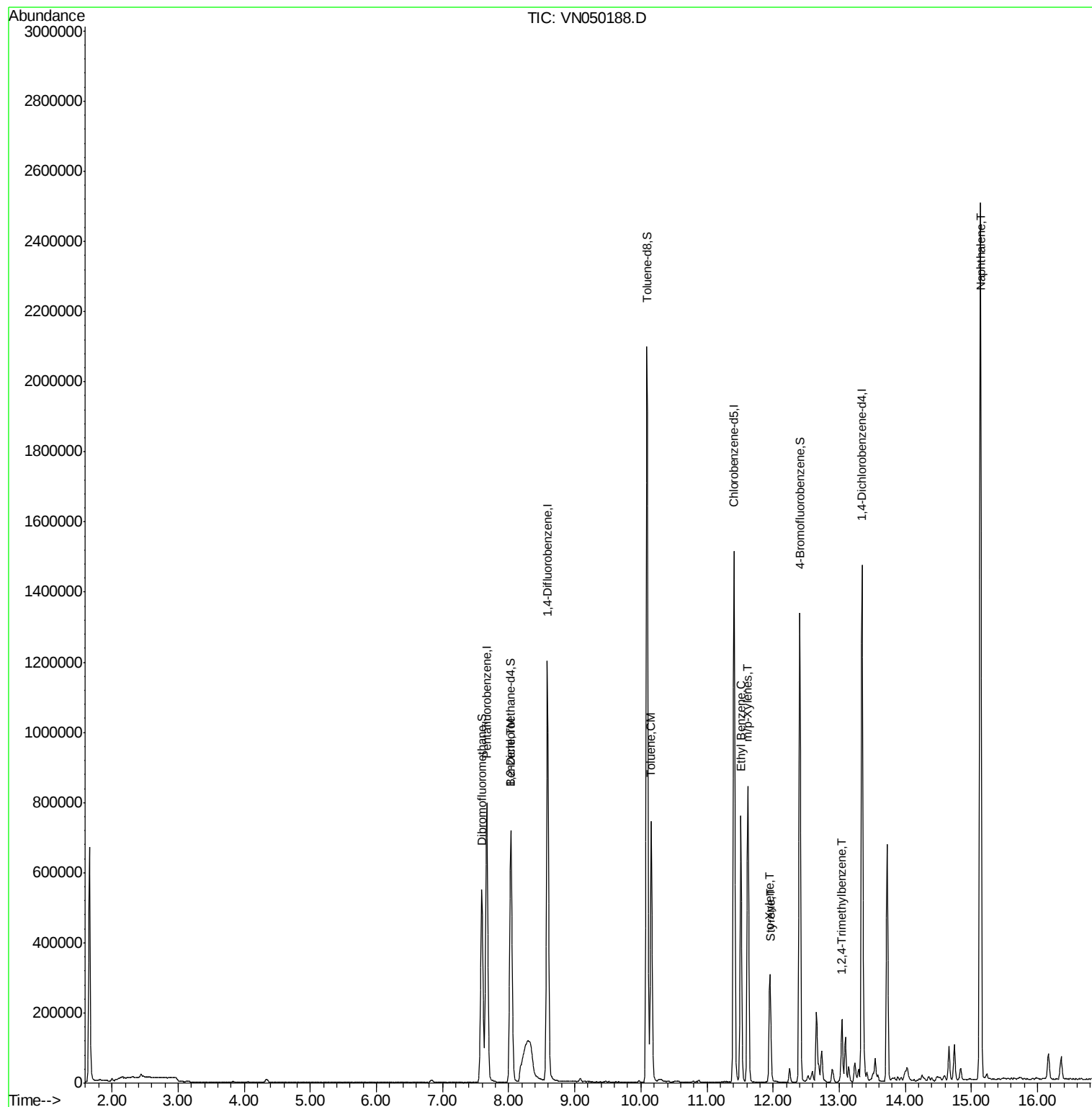
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
40) Benzene	8.04	78	268090	7.11	ug/l	99
52) Toluene	10.16	92	327446	14.72	ug/l	98
67) Ethyl Benzene	11.51	91	544915	14.44	ug/l	99
68) m/p-Xylenes	11.62	106	268990	18.84	ug/l	99
69) o-Xylene	11.95	106	78050	5.74	ug/l	96
70) Styrene	11.97	104	42457	2.64	ug/l #	80
84) 1,2,4-Trimethylbenzene	13.04	105	100116	3.98	ug/l	98
95) Naphthalene	15.14	128	2127658	108.34	ug/l	100

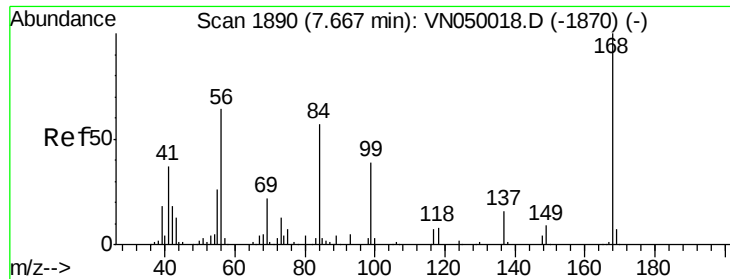
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN050188.D
Acq On : 30 Jul 2018 15:33
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Quant Time: Jul 31 15:11:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 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: VN050188.D

Acq: 30 Jul 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

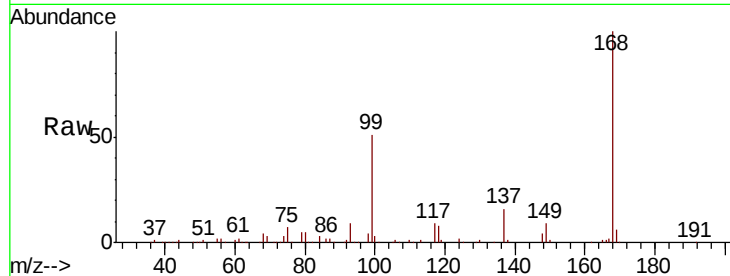
MW-2BDL

Tot Ion:168 Resp: 686314

Ion Ratio Lower Upper

168 100

99 51.2 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

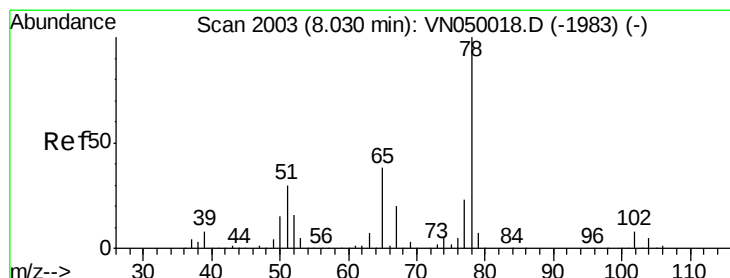
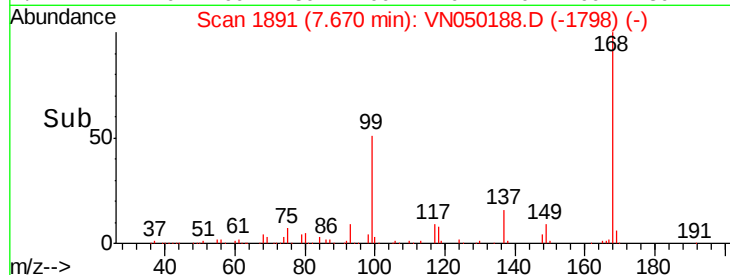
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.70 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050188.D

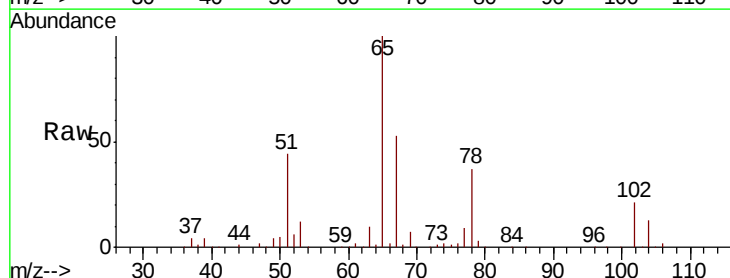
Acq: 30 Jul 2018 15:33

Tgt Ion: 65 Resp: 466356

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

200000

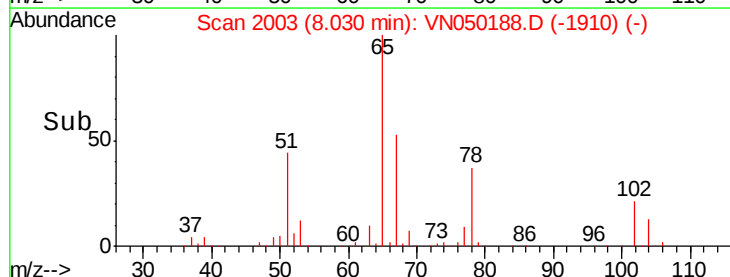
150000

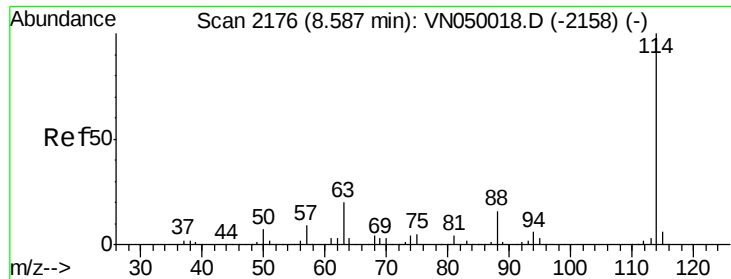
100000

50000

0

Time-->

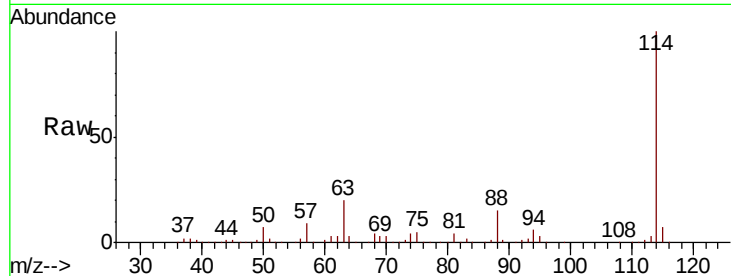




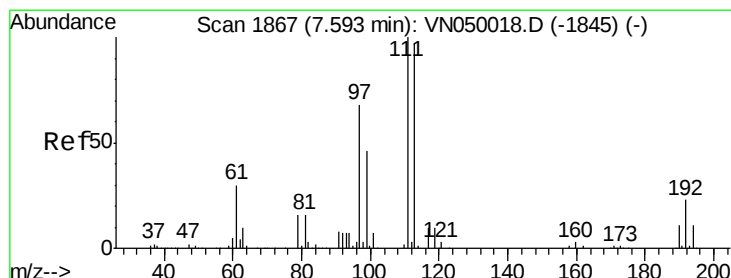
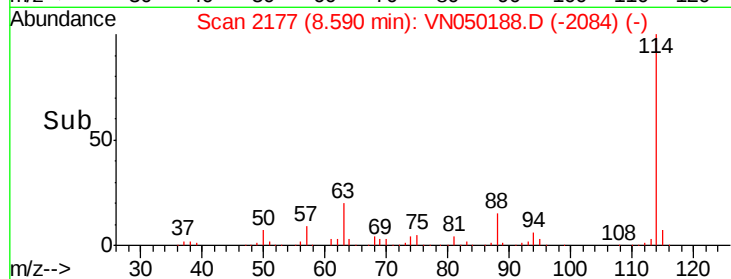
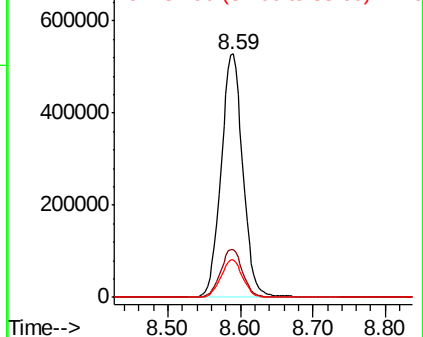
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050188.D
 Acq: 30 Jul 2018 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2BDL

Tot Ion:114 Resp: 1099209
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.4 0.0 31.2

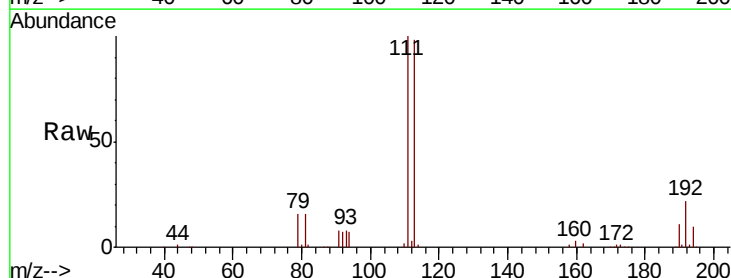


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

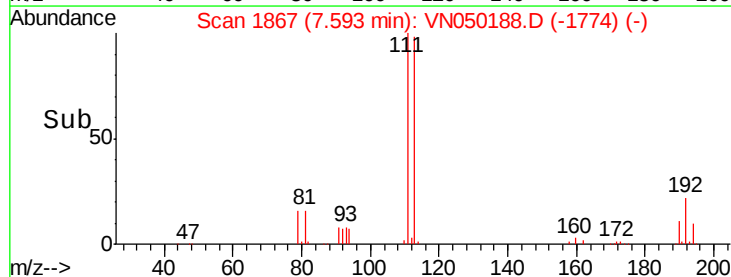
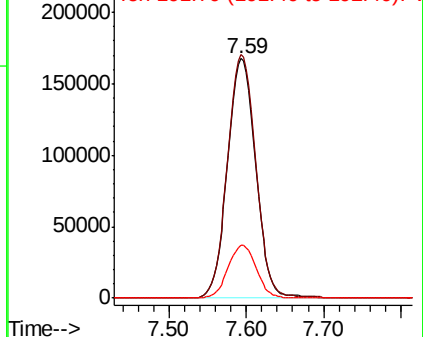


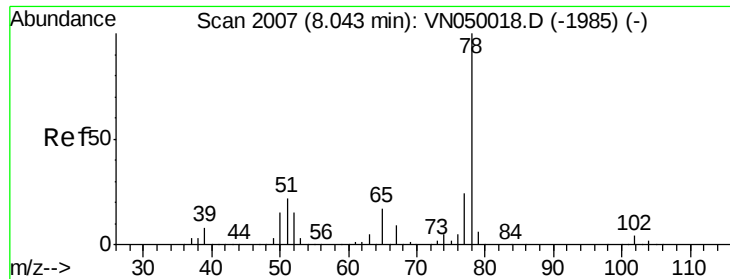
#35
 Dibromofluoromethane
 Concen: 47.35 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050188.D
 Acq: 30 Jul 2018 15:33

Tgt Ion:113 Resp: 424987
 Ion Ratio Lower Upper
 113 100
 111 101.3 80.7 121.1
 192 22.1 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: 7.11 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050188.D

Acq: 30 Jul 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

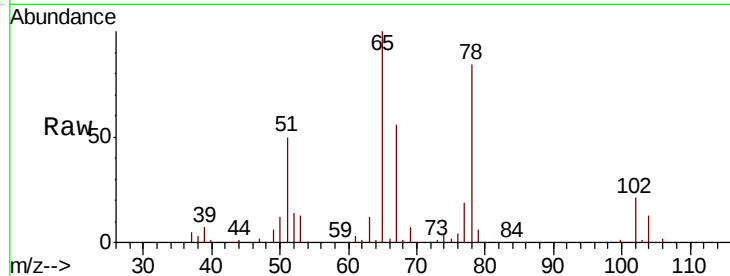
MW-2BDL

Tot Ion: 78 Resp: 268090

Ion Ratio Lower Upper

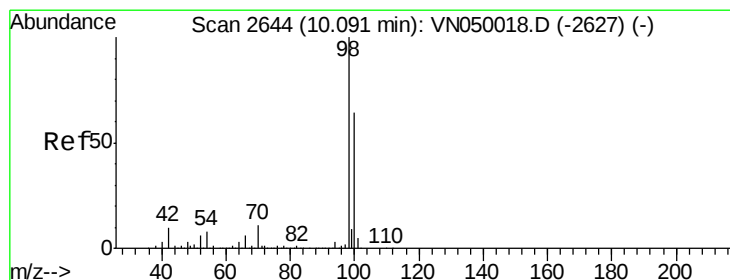
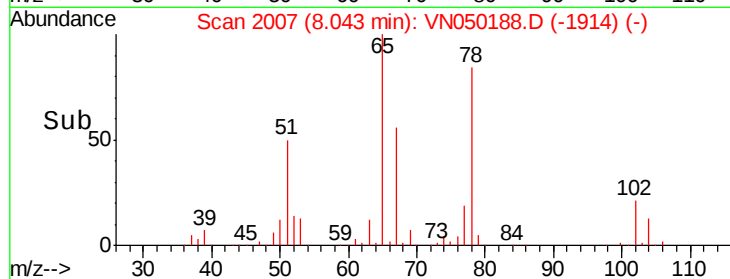
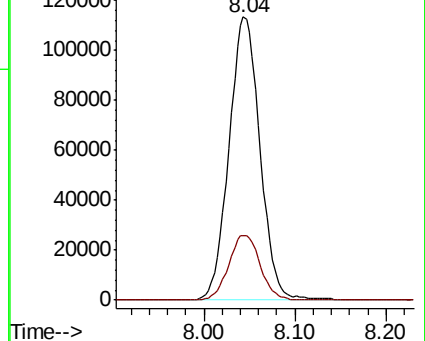
78 100

77 23.0 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 45.44 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050188.D

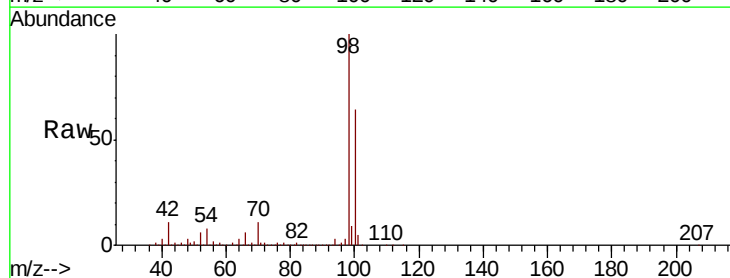
Acq: 30 Jul 2018 15:33

Tgt Ion: 98 Resp: 1499152

Ion Ratio Lower Upper

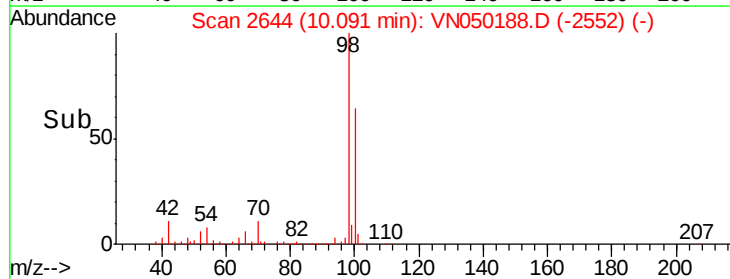
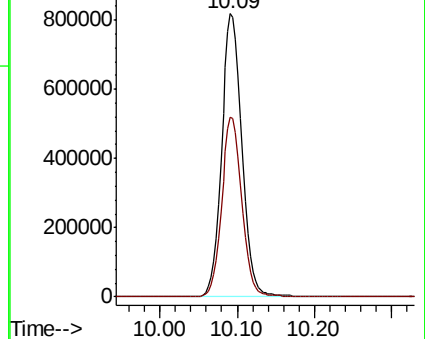
98 100

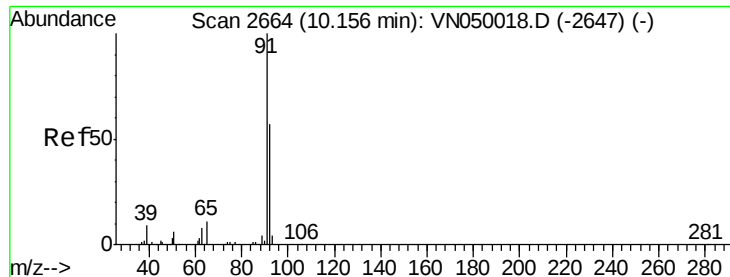
100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 14.72 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050188.D

Acq: 30 Jul 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

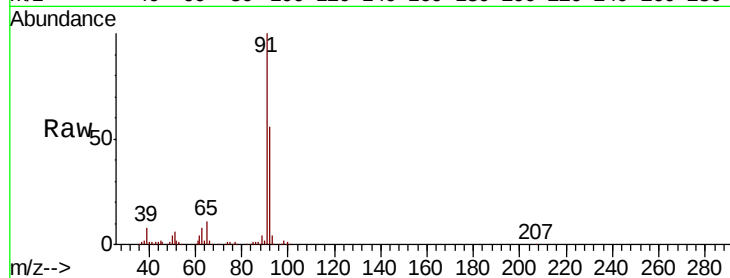
MW-2BDL

Tot Ion: 92 Resp: 327446

Ion Ratio Lower Upper

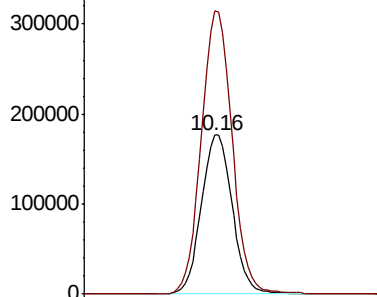
92 100

91 177.7 140.3 210.5

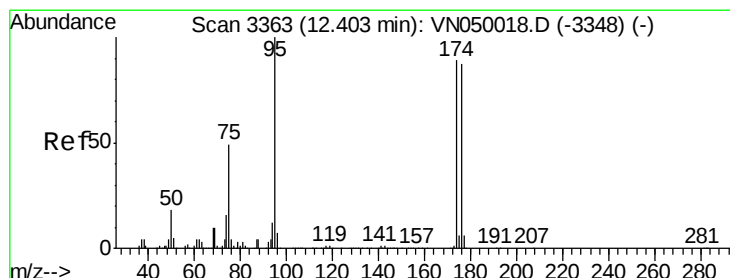
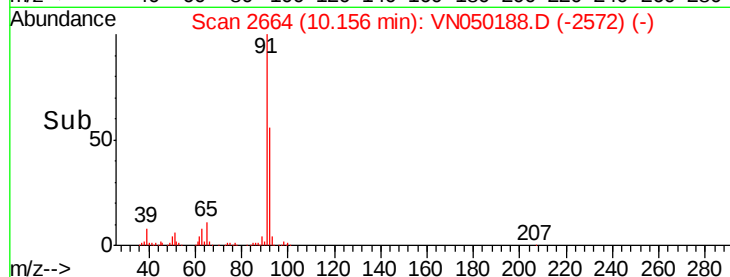


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->



#62

4-Bromofluorobenzene

Concen: 42.08 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050188.D

Acq: 30 Jul 2018 15:33

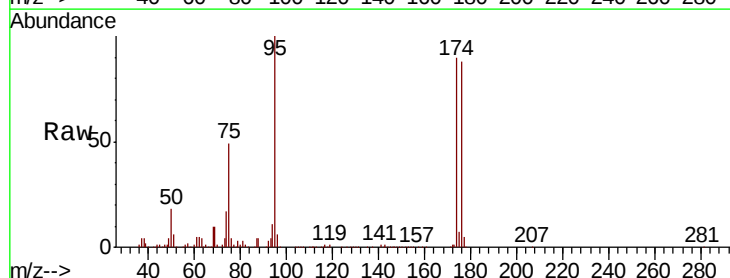
Tgt Ion: 95 Resp: 457131

Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.2

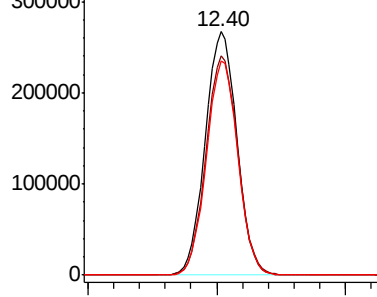
176 87.3 0.0 173.4



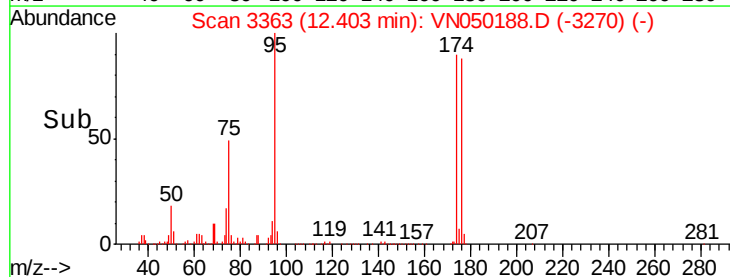
Abundance Ion 94.90 (94.60 to 95.60): VN0

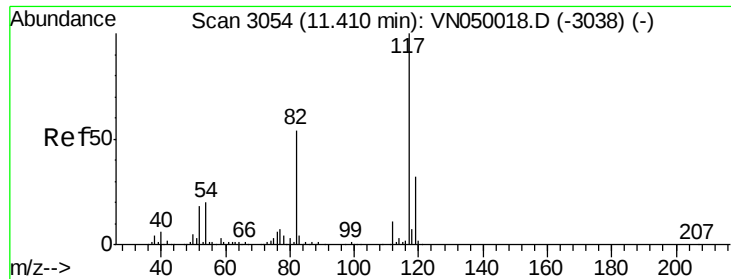
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050188.D

Acq: 30 Jul 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

MW-2BDL

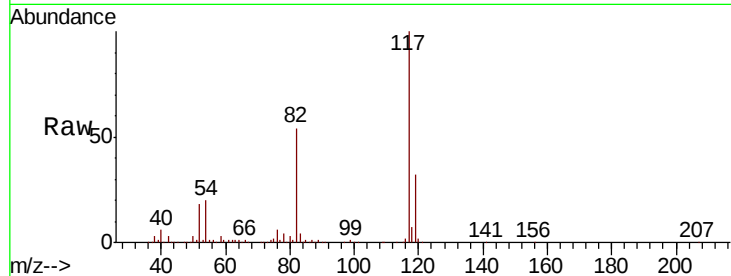
Tot Ion:117 Resp: 930164

Ion Ratio Lower Upper

117 100

82 54.2 43.7 65.5

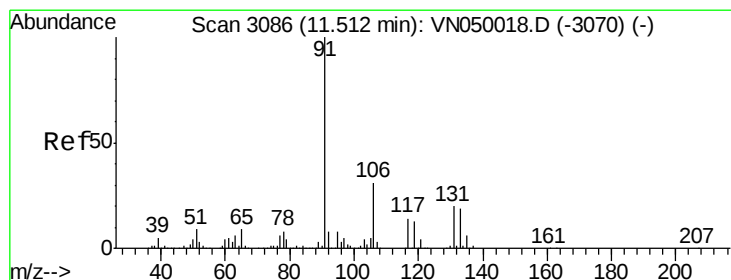
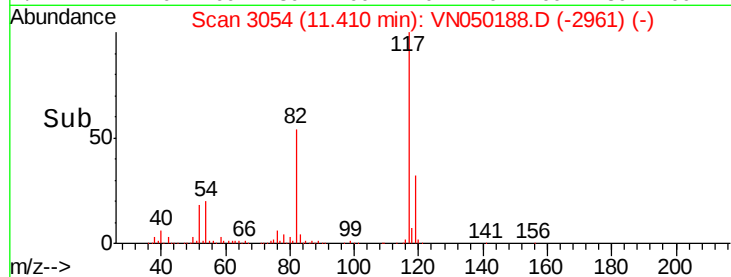
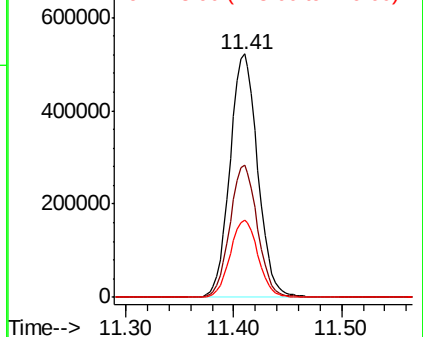
119 31.9 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 14.44 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050188.D

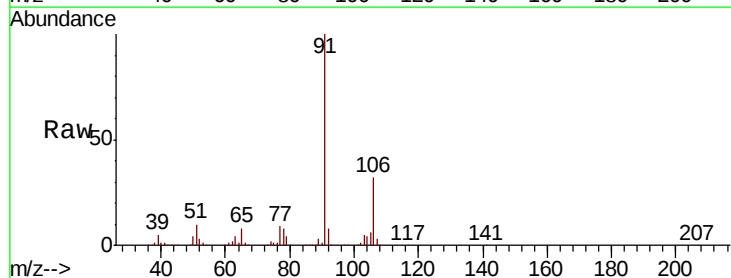
Acq: 30 Jul 2018 15:33

Tgt Ion: 91 Resp: 544915

Ion Ratio Lower Upper

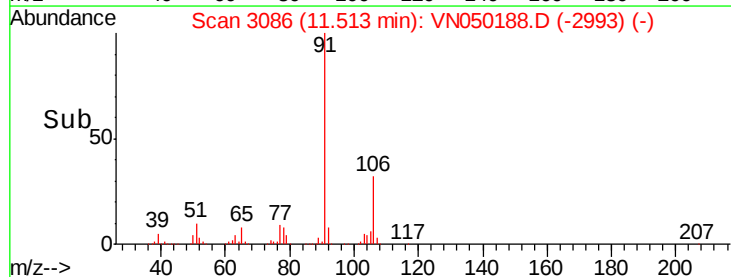
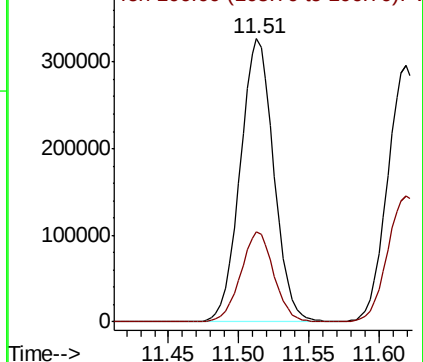
91 100

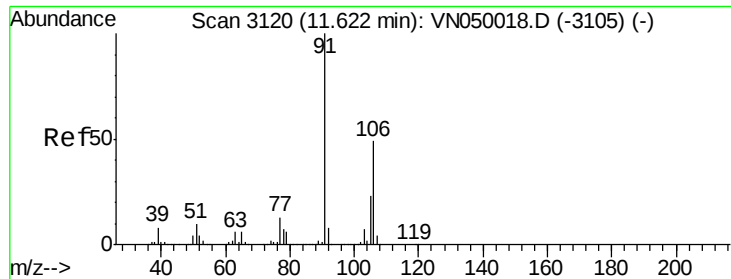
106 31.7 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

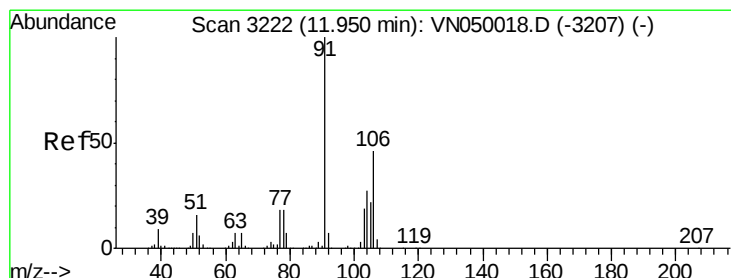
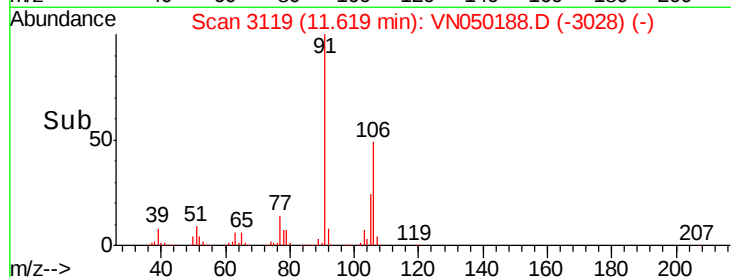
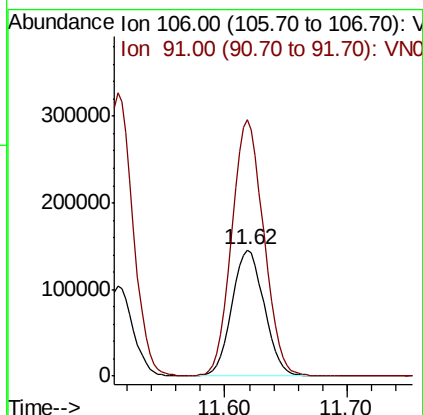
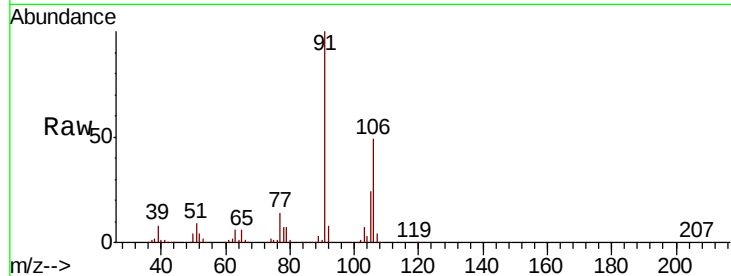




#68
m/p-Xylenes
Concen: 18.84 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.01 min
Lab File: VN050188.D
Acq: 30 Jul 2018 15:33

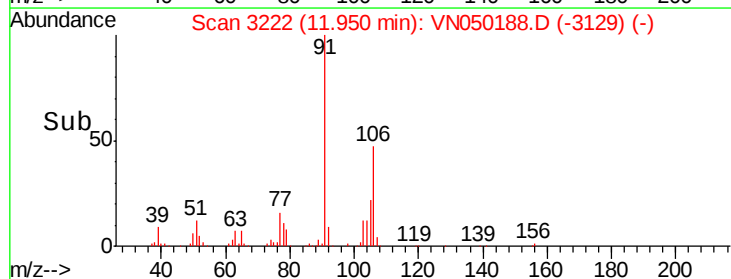
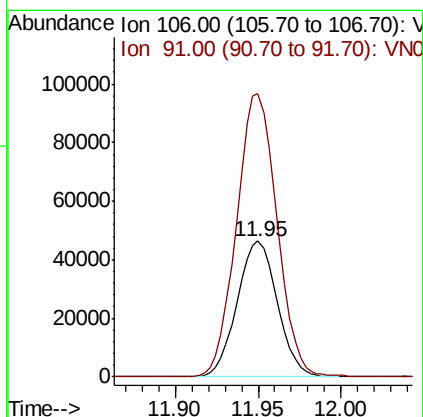
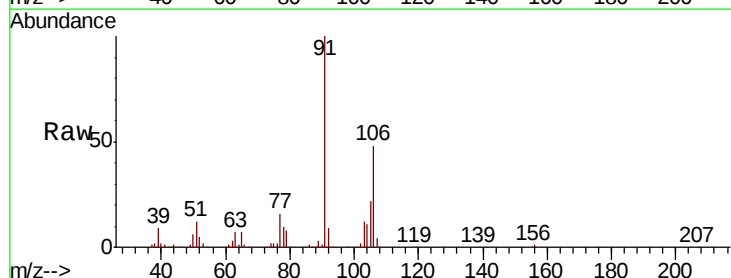
Instrument :
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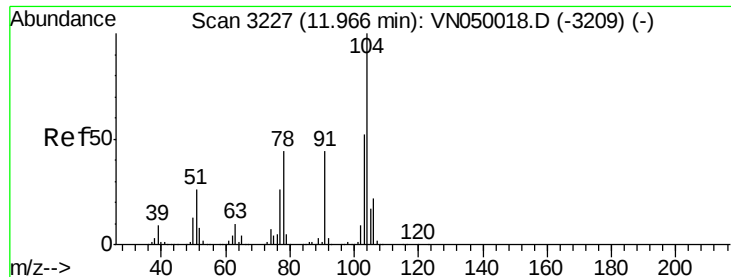
Tot Ion:106 Resp: 268990
Ion Ratio Lower Upper
106 100
91 200.6 162.2 243.2



#69
o-Xylene
Concen: 5.74 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050188.D
Acq: 30 Jul 2018 15:33

Tgt Ion:106 Resp: 78050
Ion Ratio Lower Upper
106 100
91 209.2 107.7 323.1

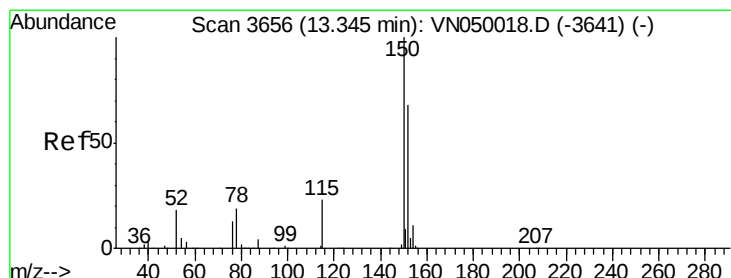
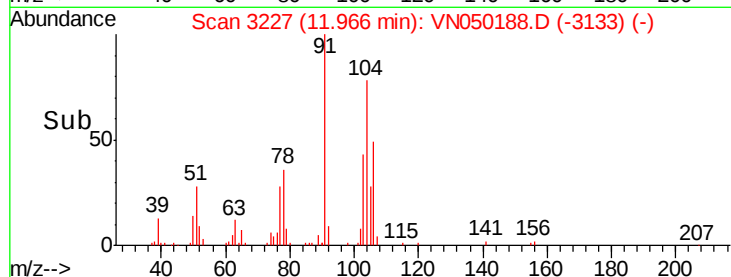
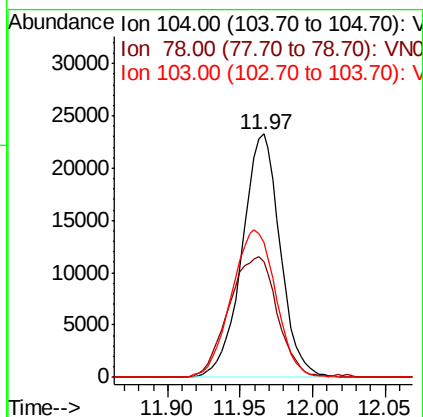
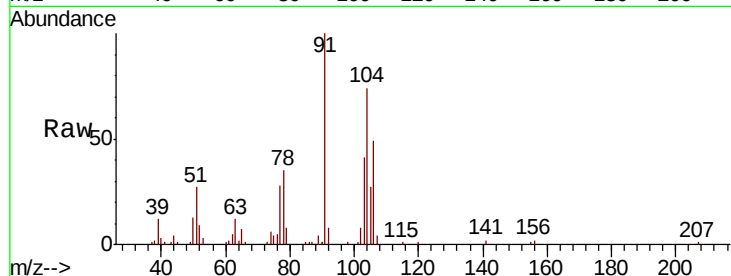




#70
Stvrene
Concen: 2.64 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050188.D
Acq: 30 Jul 2018 15:33

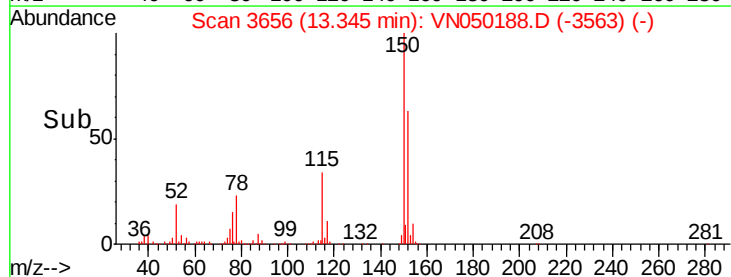
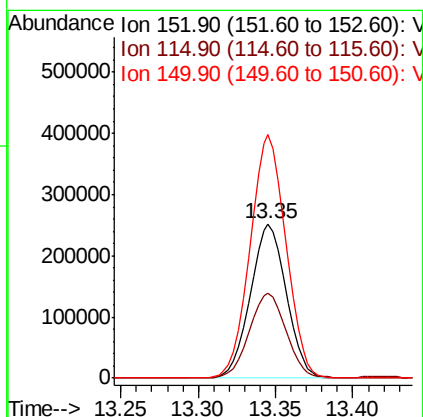
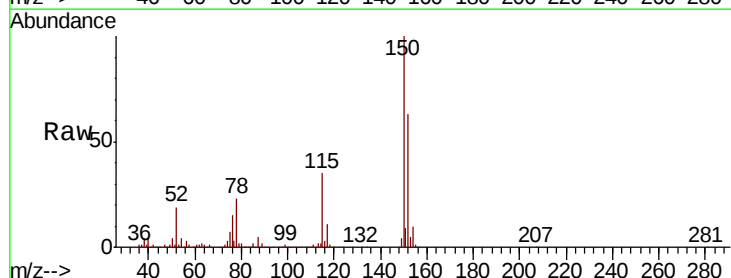
Instrument :
MSVOA_N
ClientSampleId :
MW-2BDL

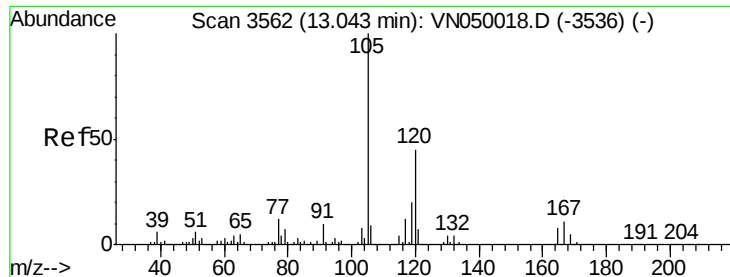
Tot Ion:104 Resp: 42457
Ion Ratio Lower Upper
104 100
78 62.9 39.3 58.9#
103 70.5 45.0 67.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050188.D
Acq: 30 Jul 2018 15:33

Tgt Ion:152 Resp: 408695
Ion Ratio Lower Upper
152 100
115 55.7 27.8 83.3
150 157.0 0.0 348.6

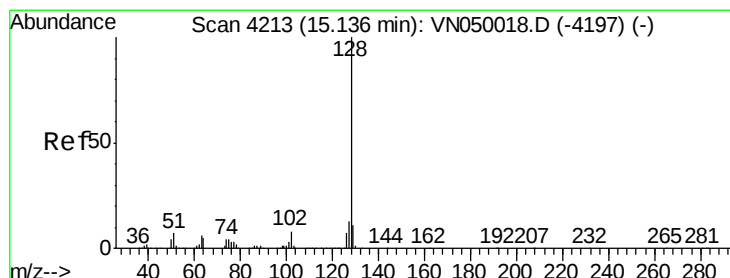
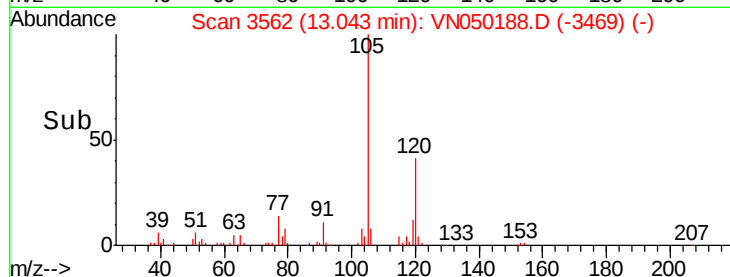
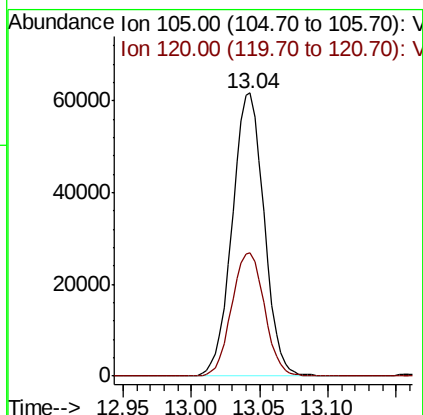
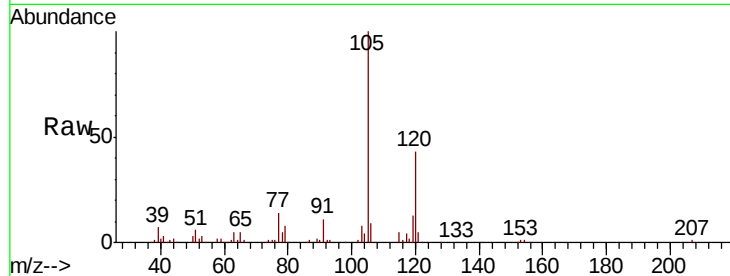




#84
 1,2,4-Trimethylbenzene
 Concen: 3.98 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050188.D
 Acq: 30 Jul 2018 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2BDL

Tot Ion:105 Resp: 100116
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.9 68.7



#95
 Naphthalene
 Concen: 108.34 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050188.D
 Acq: 30 Jul 2018 15:33

Tgt Ion:128 Resp: 2127658
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 10.9 8.8 13.2

