

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050716.D
 Acq On : 17 Aug 2018 8:43
 Operator : MD\SY
 Sample : VN0817WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBL01

Quant Time: Aug 17 14:27:45 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA N\methods\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	117241	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	584641	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	477796	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	231095	29.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.67%
60) 4-Bromofluorobenzene	12.40	95	156295	21.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	70.97%
63) Toluene-d8	10.09	98	691078	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

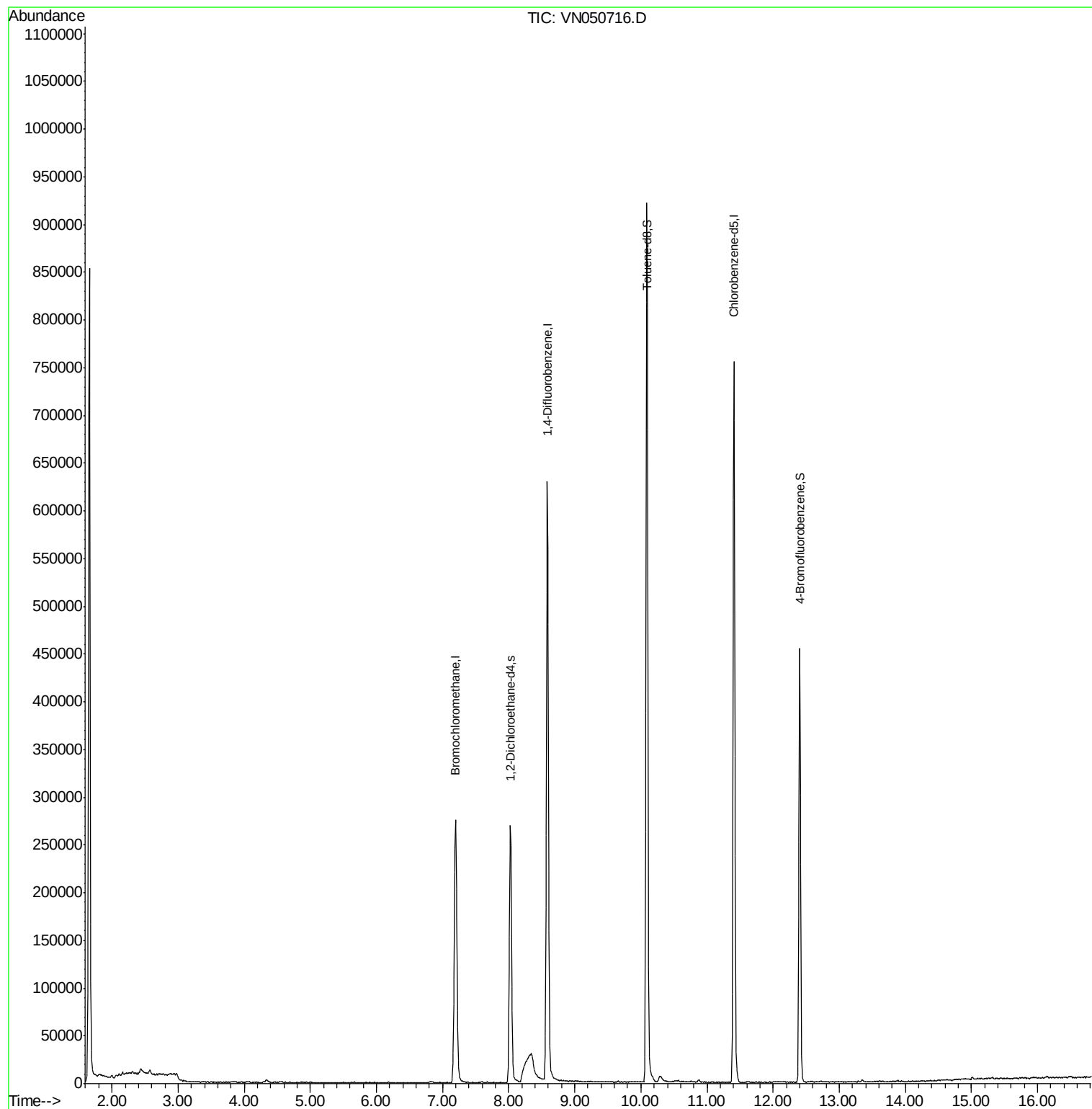
Target Compounds	Ovalue

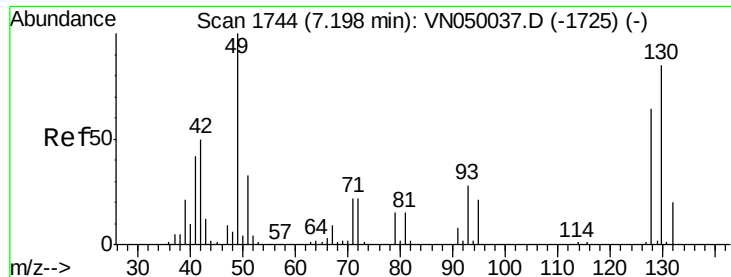
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 26 15:21:50 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050716.D

Acq: 17 Aug 2018 8:43

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBL01

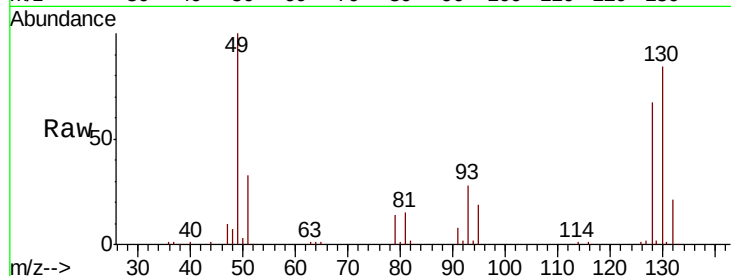
Tot Ion:128 Resp: 117241

Ion Ratio Lower Upper

128 100

49 151.9 0.0 378.3

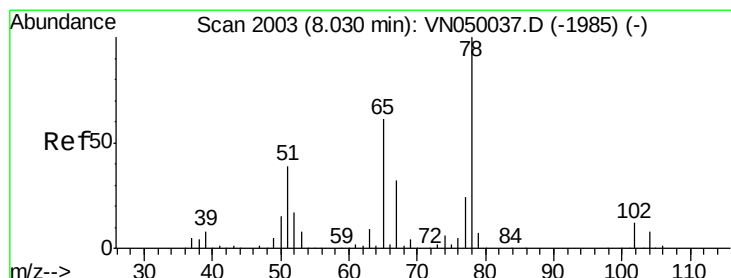
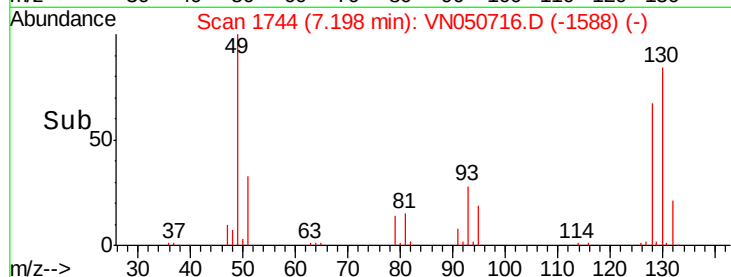
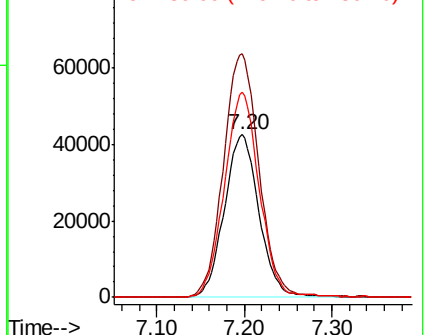
130 125.7 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 29.00 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050716.D

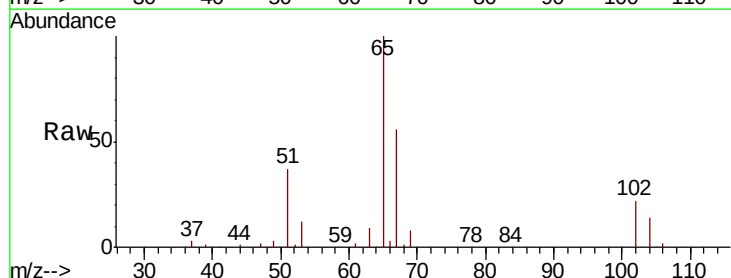
Acq: 17 Aug 2018 8:43

Tgt Ion: 65 Resp: 231095

Ion Ratio Lower Upper

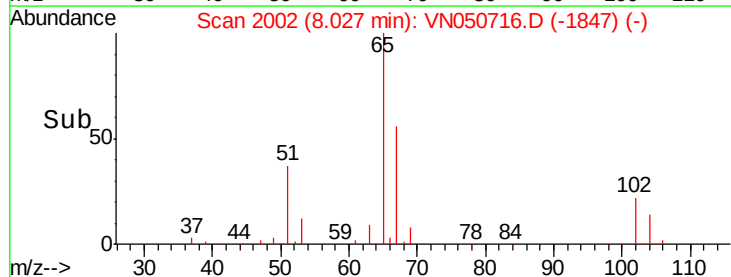
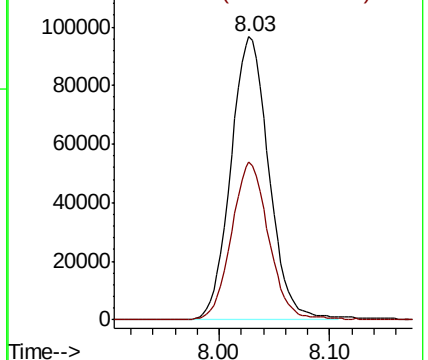
65 100

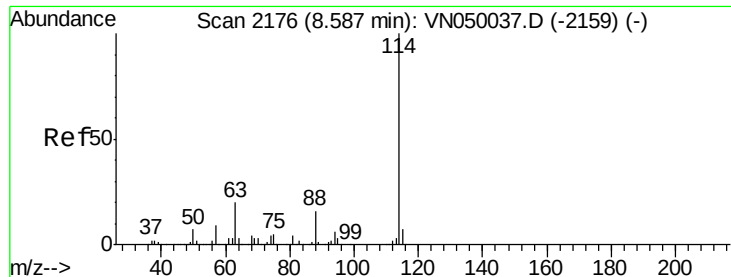
67 54.4 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

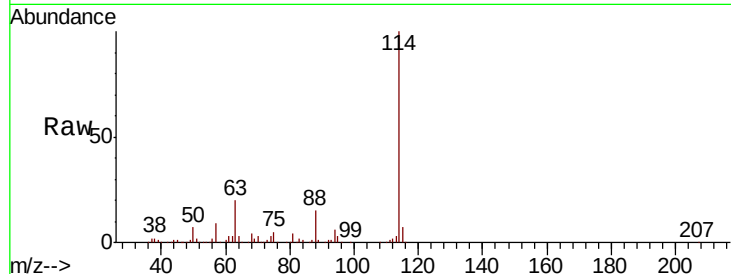




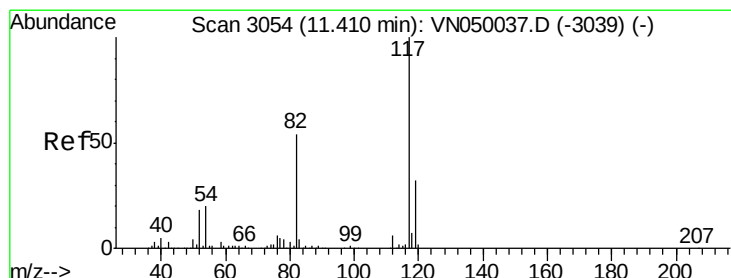
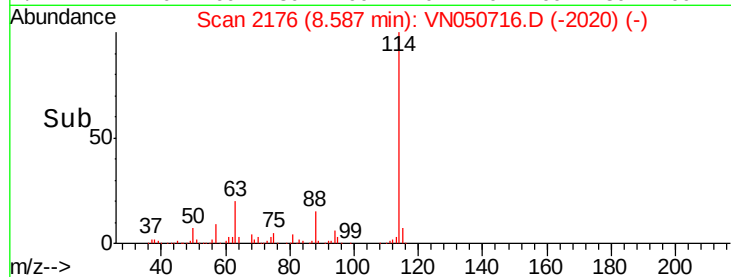
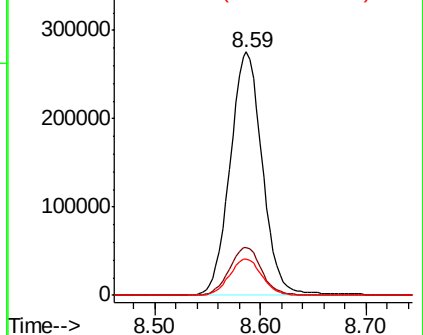
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050716.D
 Acq: 17 Aug 2018 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	16.2	24.2
88	15.1	12.3	18.5

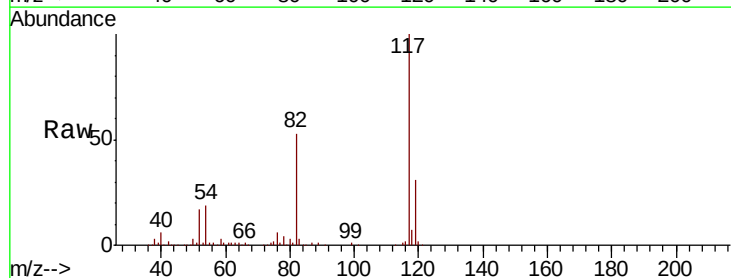


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

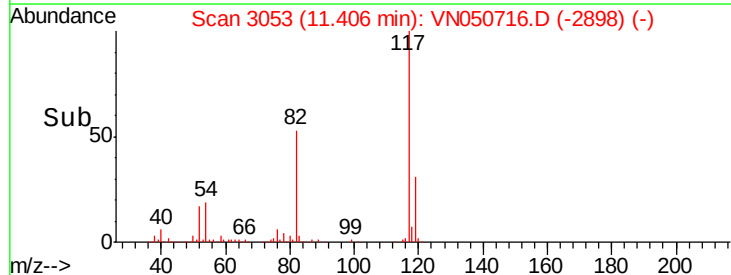
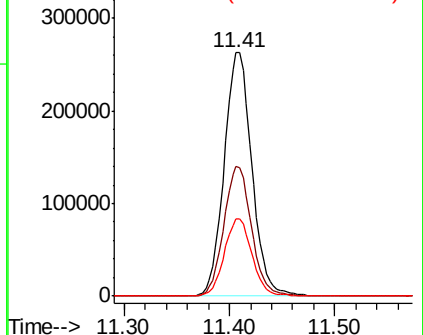


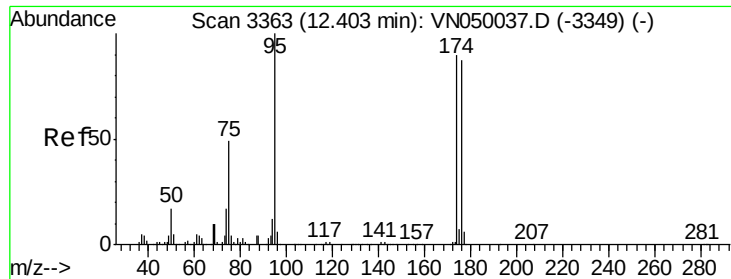
#57
 Chlorobenzene-d5
 Concen: 30.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. -0.00 min
 Lab File: VN050716.D
 Acq: 17 Aug 2018 8:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.4	63.6
119	31.9	25.4	38.0



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 82.00 (81.70 to 82.70): VN
 Ion 119.00 (118.70 to 119.70): V

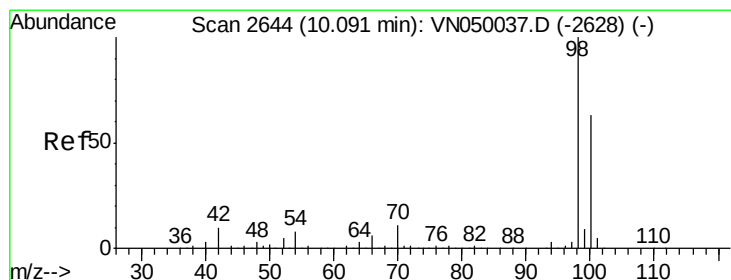
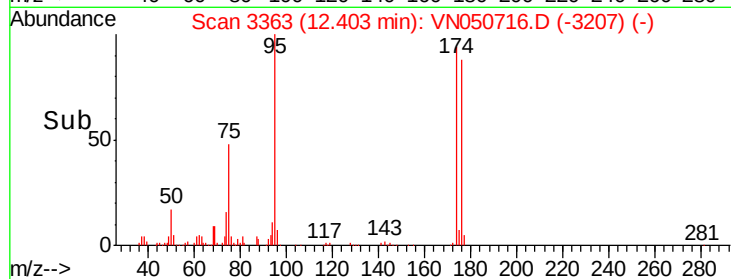
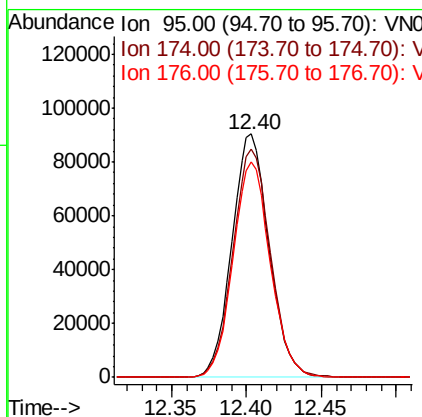
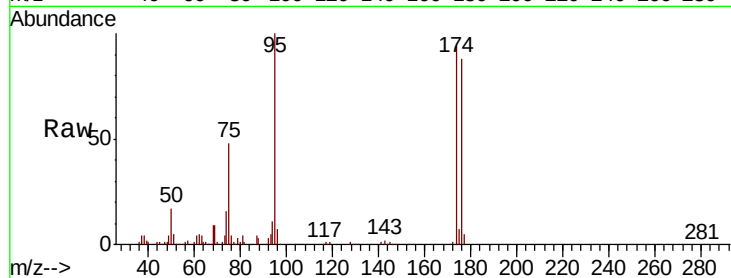




#60
 4-Bromofluorobenzene
 Concen: 21.29 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050716.D
 Acq: 17 Aug 2018 8:43

Instrument :
 MSVOA_N
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 VN0817WBL01

Tot Ion: 95 Resp: 156295
 Ion Ratio Lower Upper
 95 100
 174 94.7 72.3 108.5
 176 88.6 70.0 105.0



#63
 Toluene-d8
 Concen: 30.28 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050716.D
 Acq: 17 Aug 2018 8:43

Tgt Ion: 98 Resp: 691078
 Ion Ratio Lower Upper
 98 100
 100 62.0 51.2 76.8

