

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082719\
 Data File : VN057544.D
 Acq On : 27 Aug 2019 10:18
 Operator : JC/SP
 Sample : K4523-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB2-20190823

Quant Time: Aug 27 11:13:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	67961	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	374326	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	274267	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.01	65	196621	30.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.03%
60) 4-Bromofluorobenzene	12.40	95	98310	21.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	72.47%
63) Toluene-d8	10.08	98	456597	32.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	109.90%

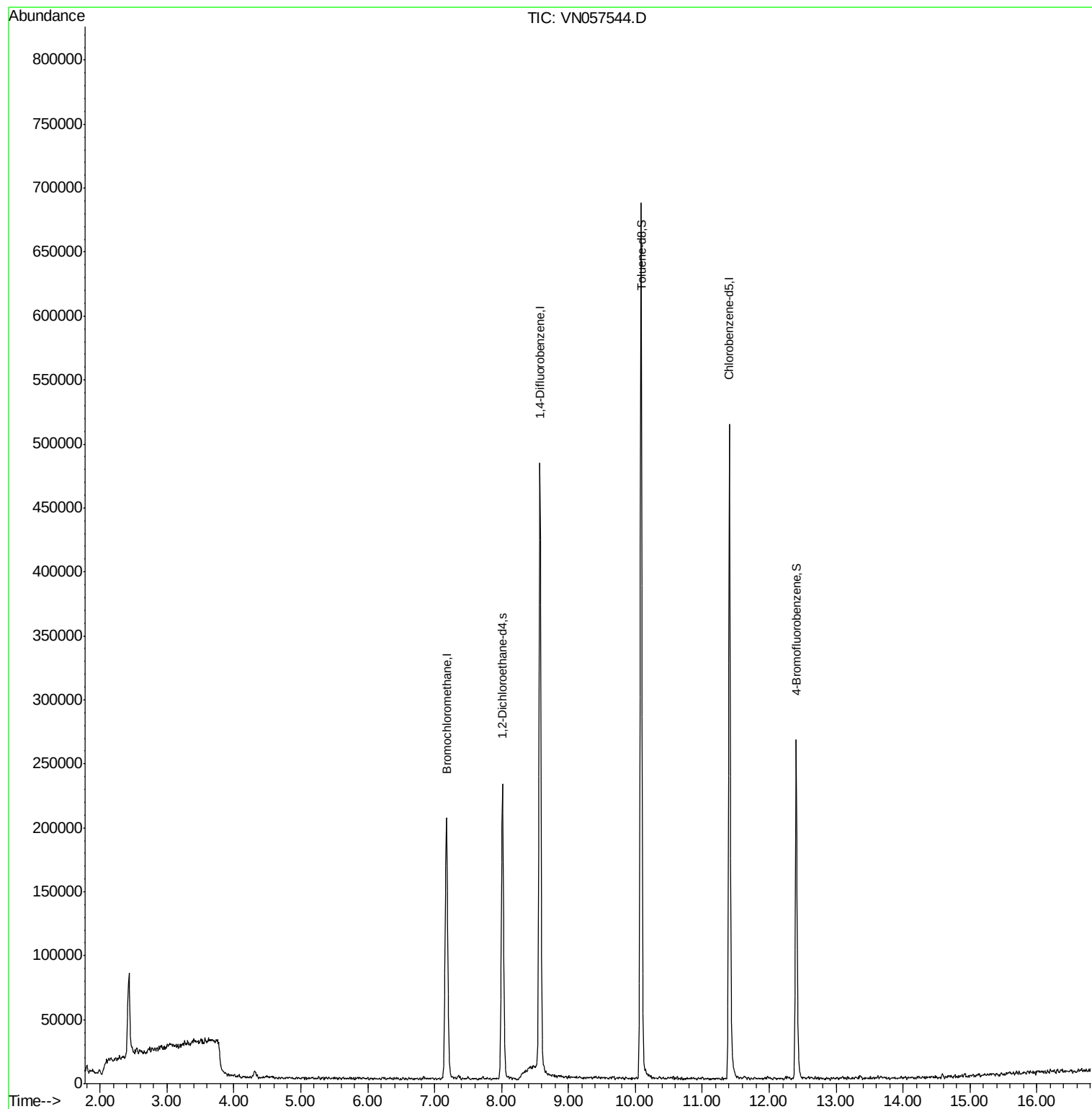
Target Compounds	Ovalue

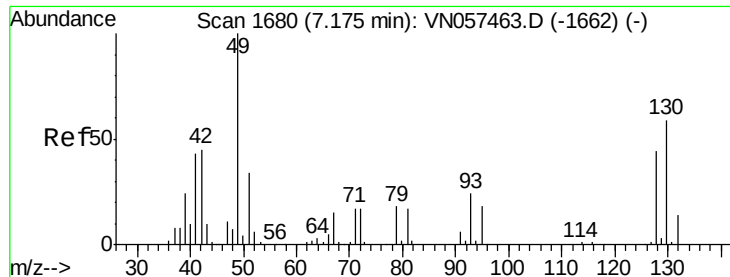
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057544.D

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ClientSampleId :

TT-TB2-20190823

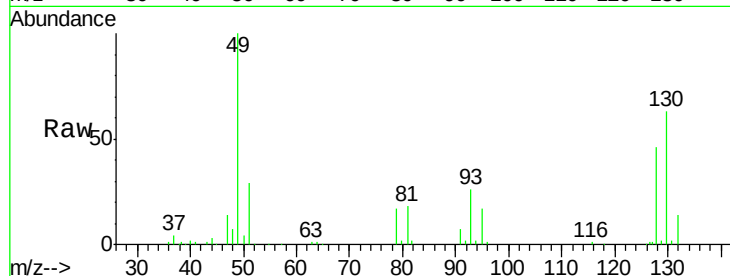
Tot Ion:128 Resp: 67961

Ion Ratio Lower Upper

128 100

49 212.0 0.0 560.5

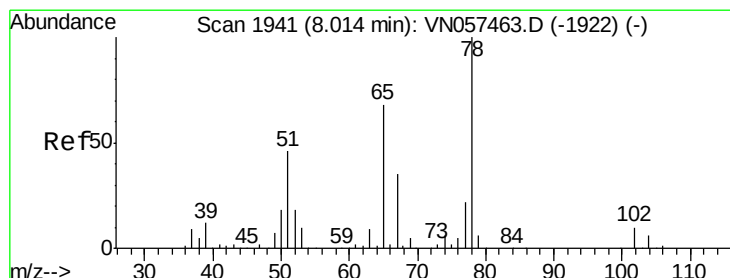
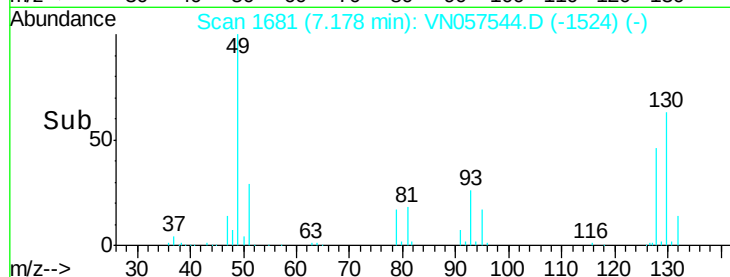
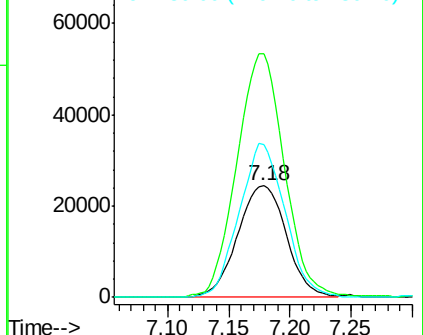
130 129.1 0.0 317.3



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: 30.010 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057544.D

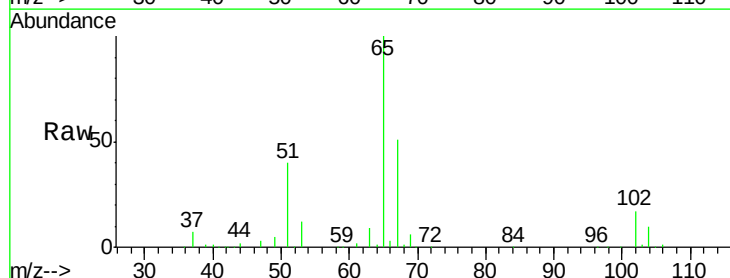
Acq: 27 Aug 2019 10:18

Tgt Ion: 65 Resp: 196621

Ion Ratio Lower Upper

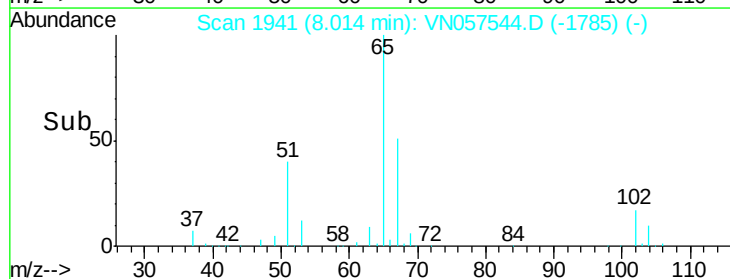
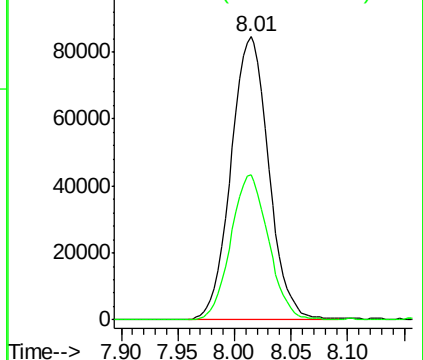
65 100

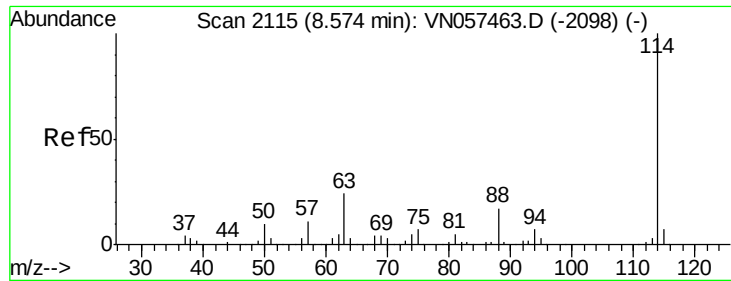
67 51.1 40.2 60.4



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

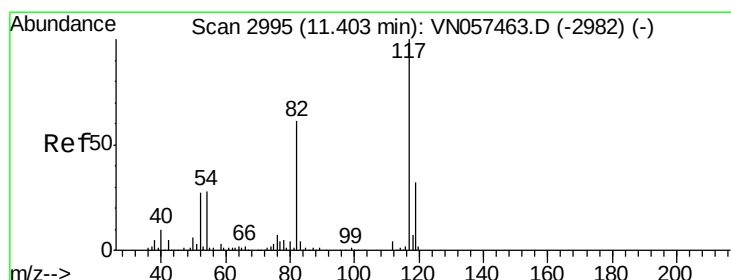
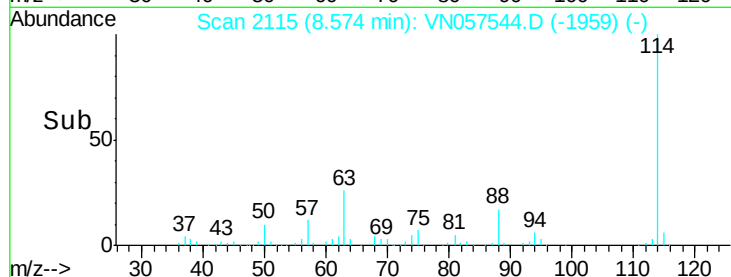
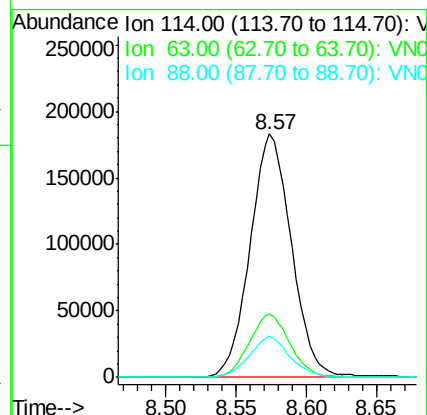
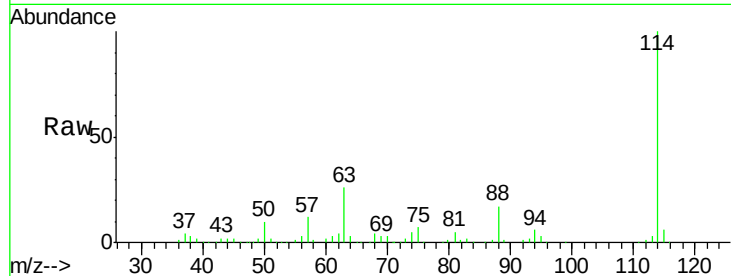




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057544.D
 Acq: 27 Aug 2019 10:18

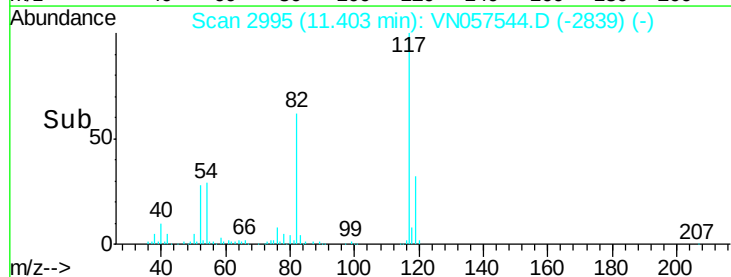
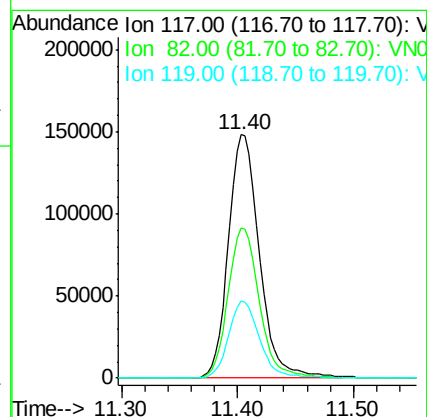
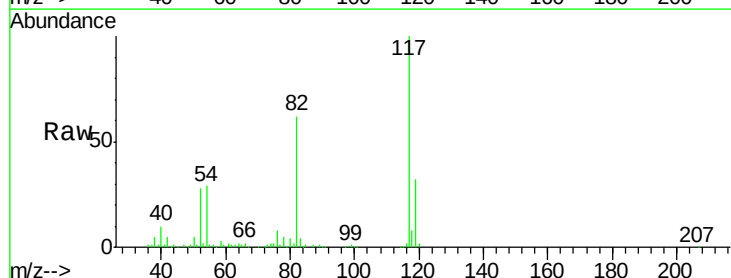
Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB2-20190823

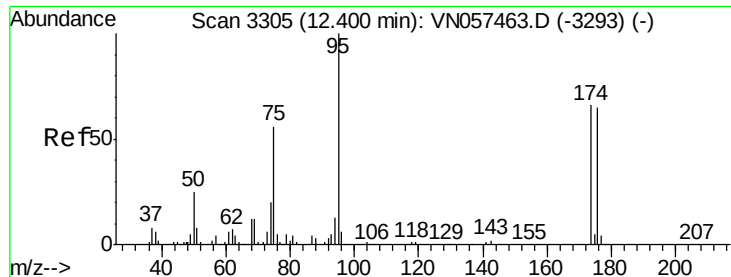
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.5	19.6	29.4
88	16.4	13.1	19.7



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.40 min Scan# 2995
 Delta R.T. 0.00 min
 Lab File: VN057544.D
 Acq: 27 Aug 2019 10:18

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.3	50.4	75.6
119	31.8	25.4	38.2

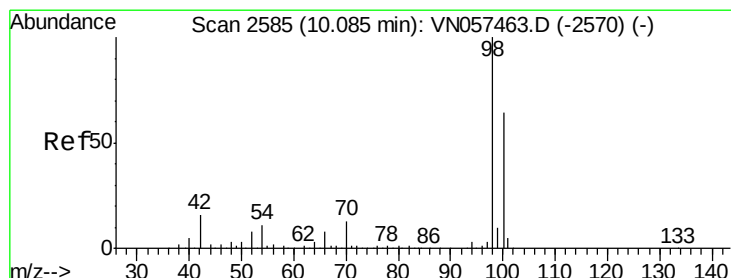
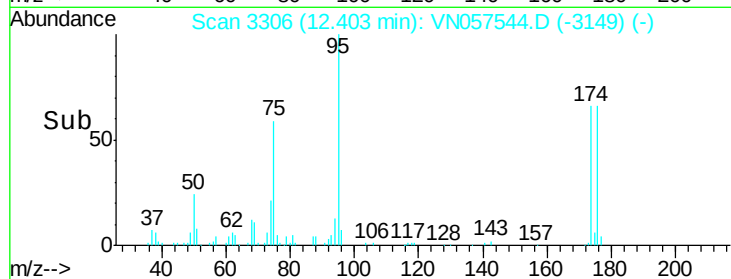
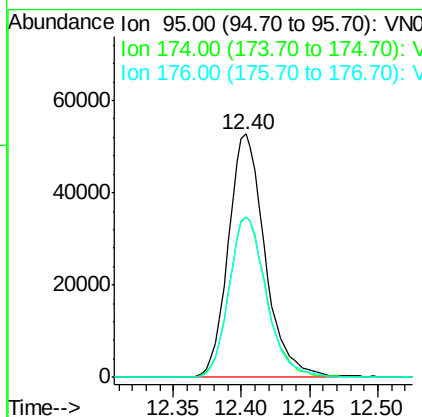
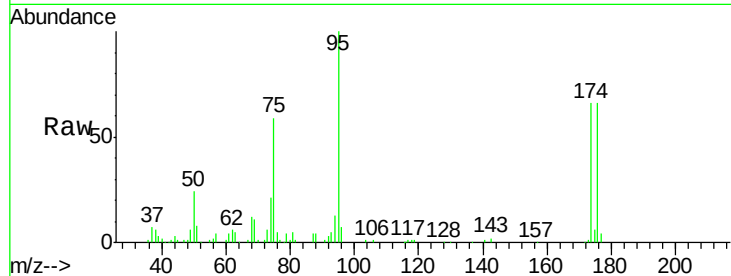




#60
 4-Bromofluorobenzene
 Concen: 21.737 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057544.D
 Acq: 27 Aug 2019 10:18

Instrument :
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Tot Ion	95	Resp	98310
Ion Ratio	Lower	Upper	
95	100		
174	67.2	54.9	82.3
176	67.2	54.2	81.4



#63
 Toluene-d8
 Concen: 32.966 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN057544.D
 Acq: 27 Aug 2019 10:18

Tgt Ion	98	Resp	456597
Ion Ratio	Lower	Upper	
98	100		
100	62.8	51.0	76.6

