

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051744.D
 Acq On : 9 Oct 2018 12:03
 Operator : MD\SY
 Sample : VN1009WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL01

Quant Time: Oct 10 03:45:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	115316	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	642501	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	508775	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	227232	28.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.63%
60) 4-Bromofluorobenzene	12.40	95	183337	23.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	78.73%
63) Toluene-d8	10.09	98	729362	32.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.63%

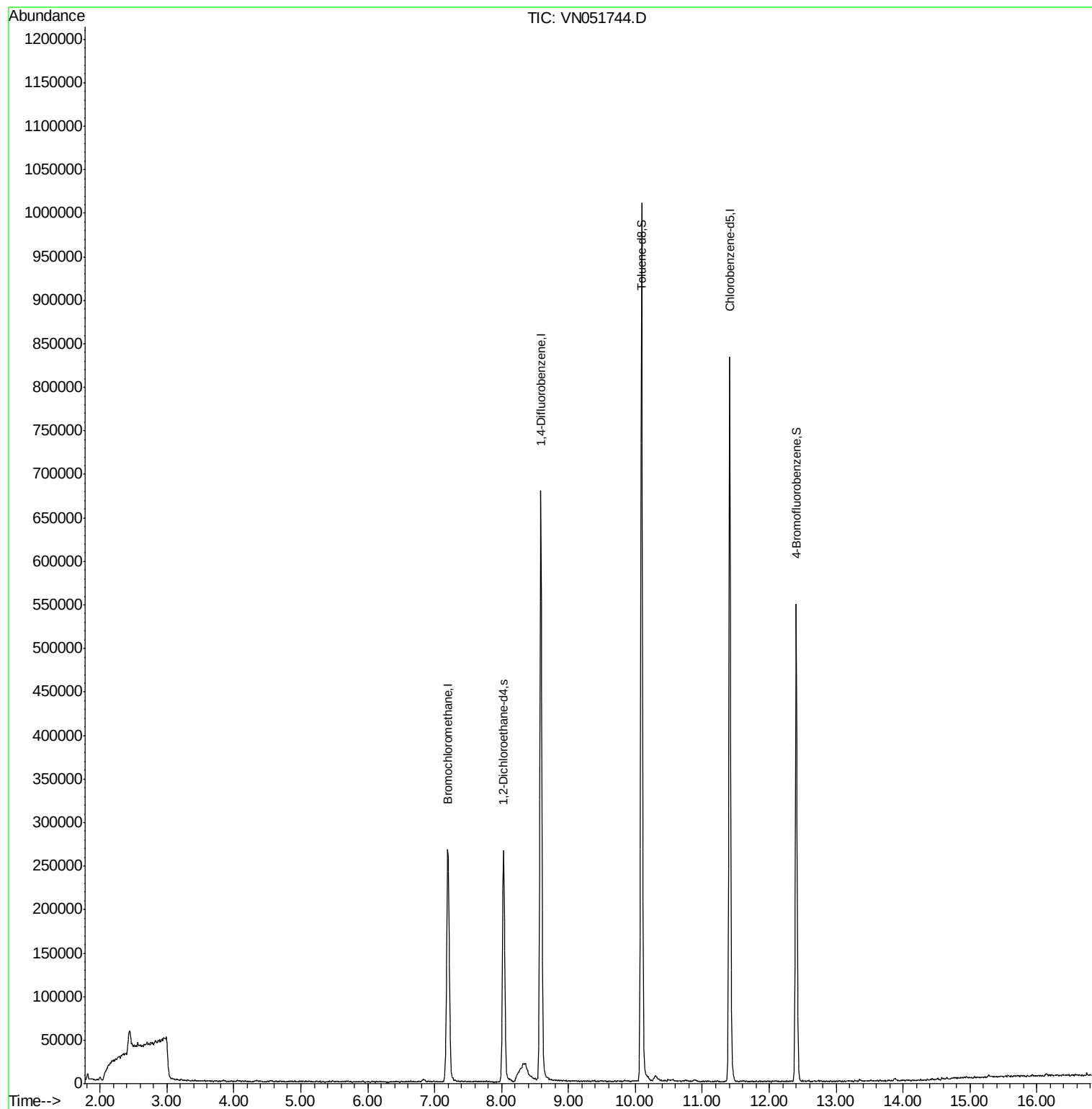
Target Compounds	Ovalue

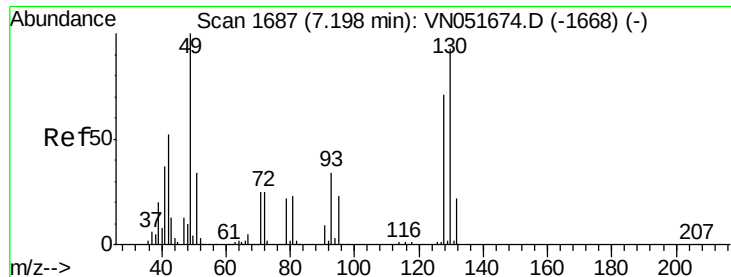
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051744.D

Acq: 9 Oct 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL01

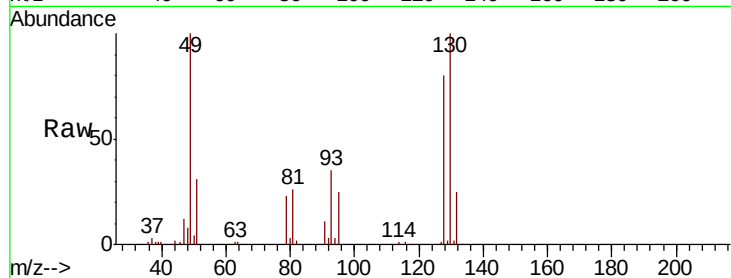
Tot Ion:128 Resp: 115316

Ion Ratio Lower Upper

128 100

49 124.7 0.0 403.3

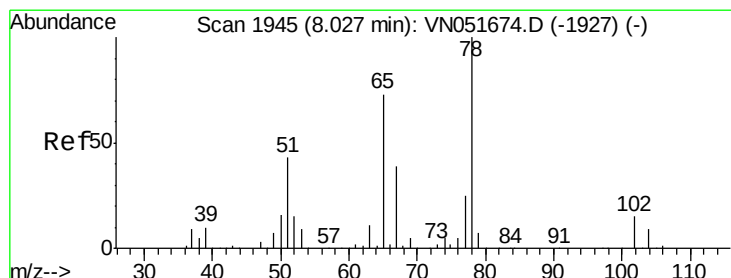
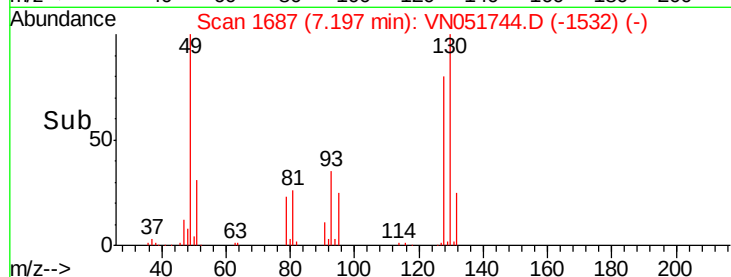
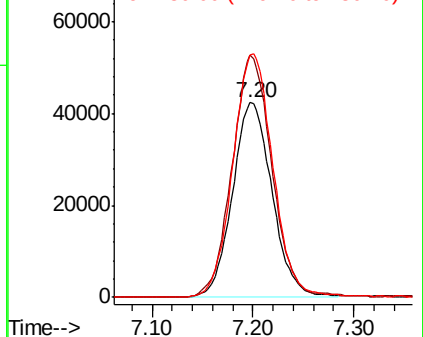
130 126.8 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051744.D

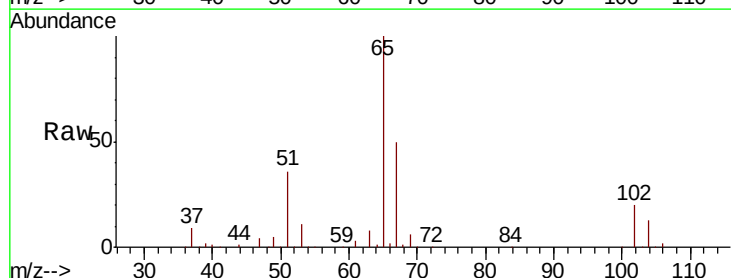
Acq: 9 Oct 2018 12:03

Tgt Ion: 65 Resp: 227232

Ion Ratio Lower Upper

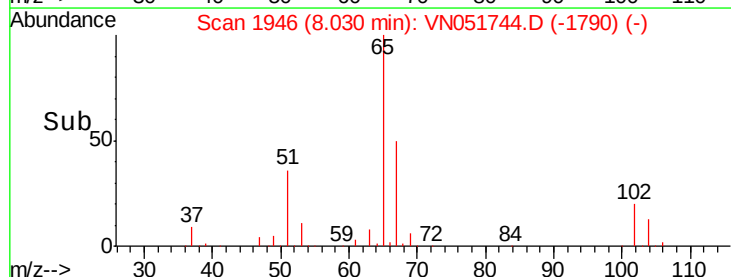
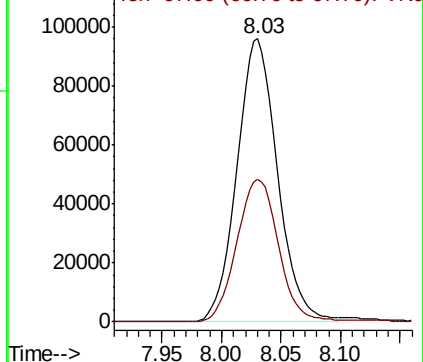
65 100

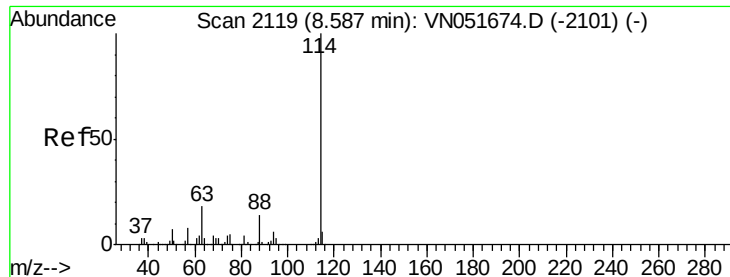
67 51.7 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN

Ion 67.00 (66.70 to 67.70): VN

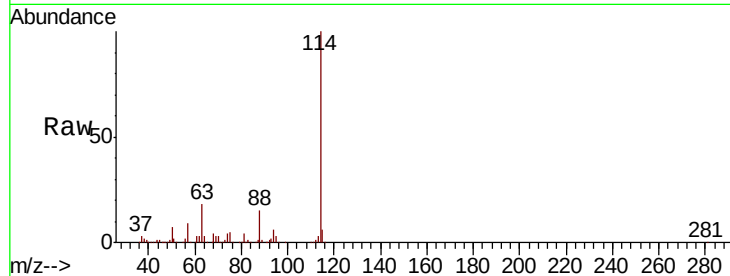




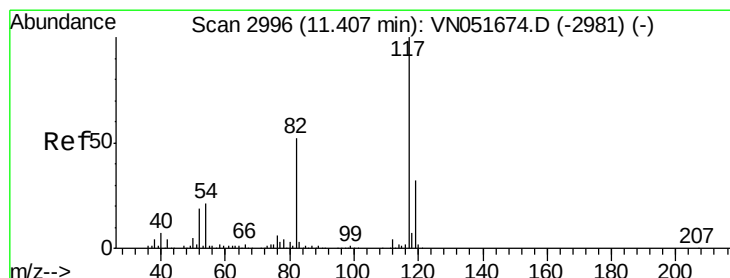
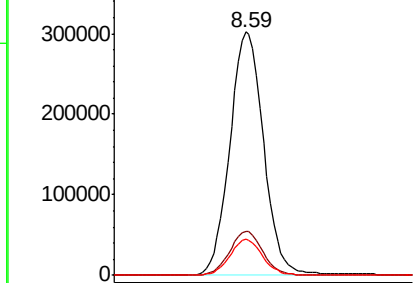
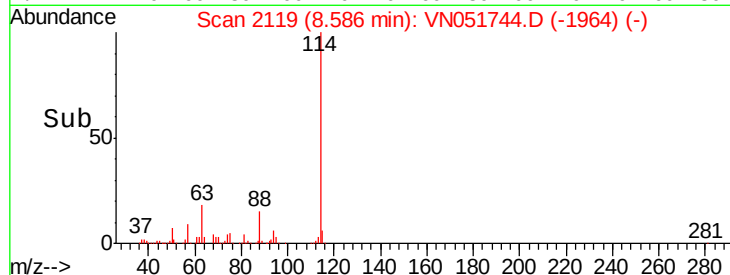
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051744.D
 Acq: 9 Oct 2018 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL01

Tot Ion:114 Resp: 642501
 Ion Ratio Lower Upper
 114 100
 63 17.9 16.2 24.2
 88 14.4 12.2 18.4

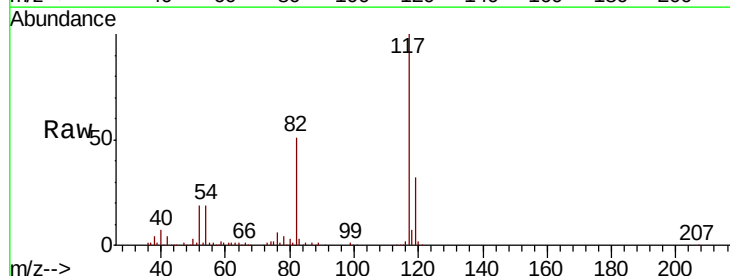


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

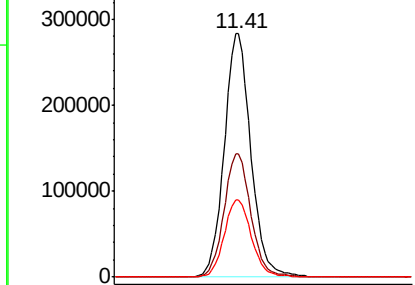
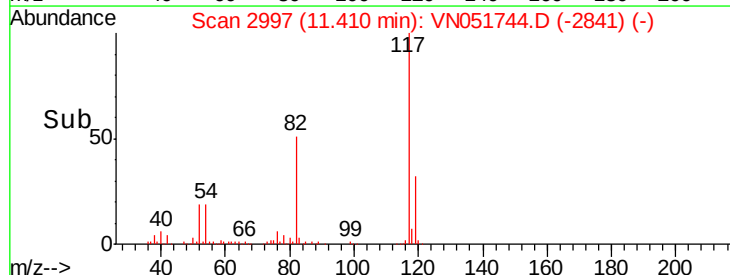


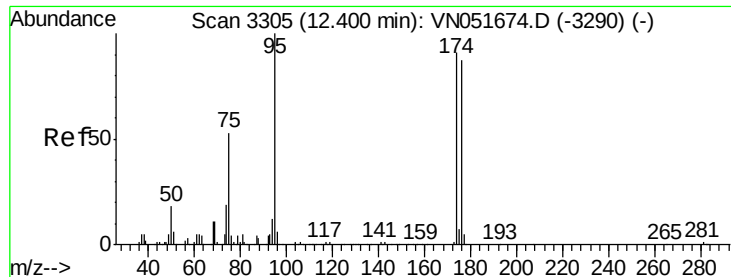
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN051744.D
 Acq: 9 Oct 2018 12:03

Tgt Ion:117 Resp: 508775
 Ion Ratio Lower Upper
 117 100
 82 51.4 44.1 66.1
 119 32.6 25.8 38.8



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: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051744.D

Acq: 9 Oct 2018 12:03

Instrument :

MSVOA_N

ClientSampled :

VN1009WBL01

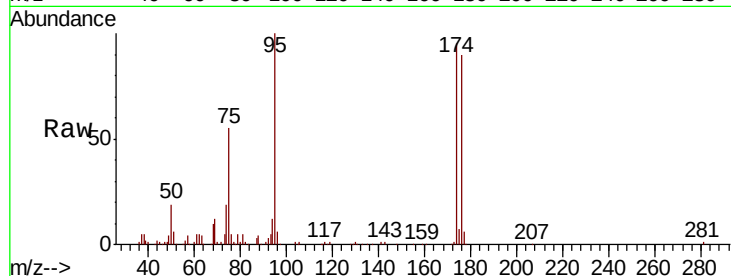
Tot Ion: 95 Resp: 183337

Ion Ratio Lower Upper

95 100

174 95.9 73.5 110.3

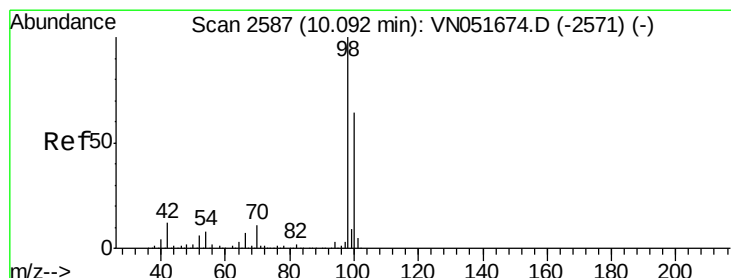
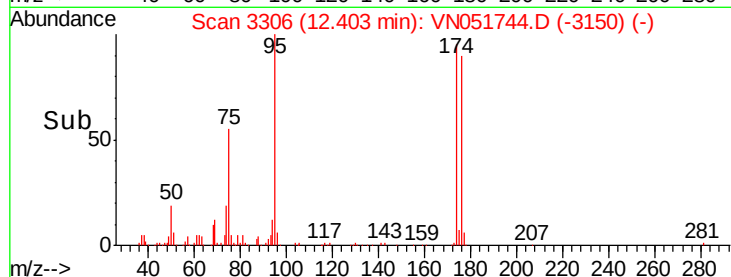
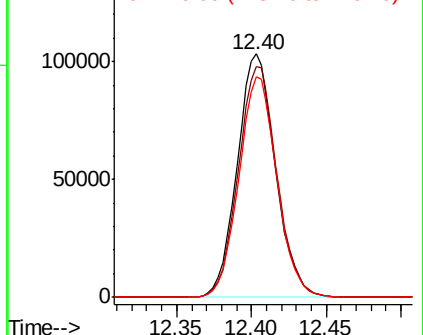
176 90.4 70.2 105.2



Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051744.D

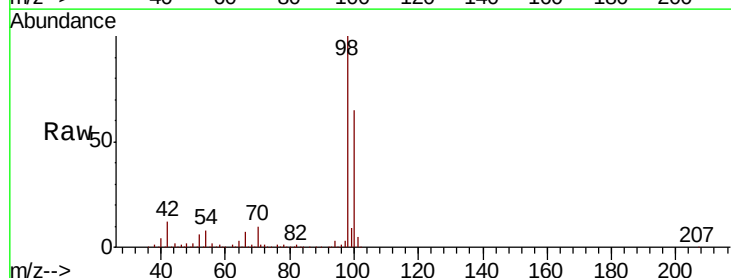
Acq: 9 Oct 2018 12:03

Tgt Ion: 98 Resp: 729362

Ion Ratio Lower Upper

98 100

100 63.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): V

