

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050672.D
 Acq On : 15 Aug 2018 23:04
 Operator : MD\SY
 Sample : J4458-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-93

Quant Time: Aug 16 13:48:55 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	111833	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	547795	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	458466	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	232295	30.56	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.87%
60) 4-Bromofluorobenzene	12.40	95	152545	21.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	72.20%
63) Toluene-d8	10.09	98	637381	29.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.03%

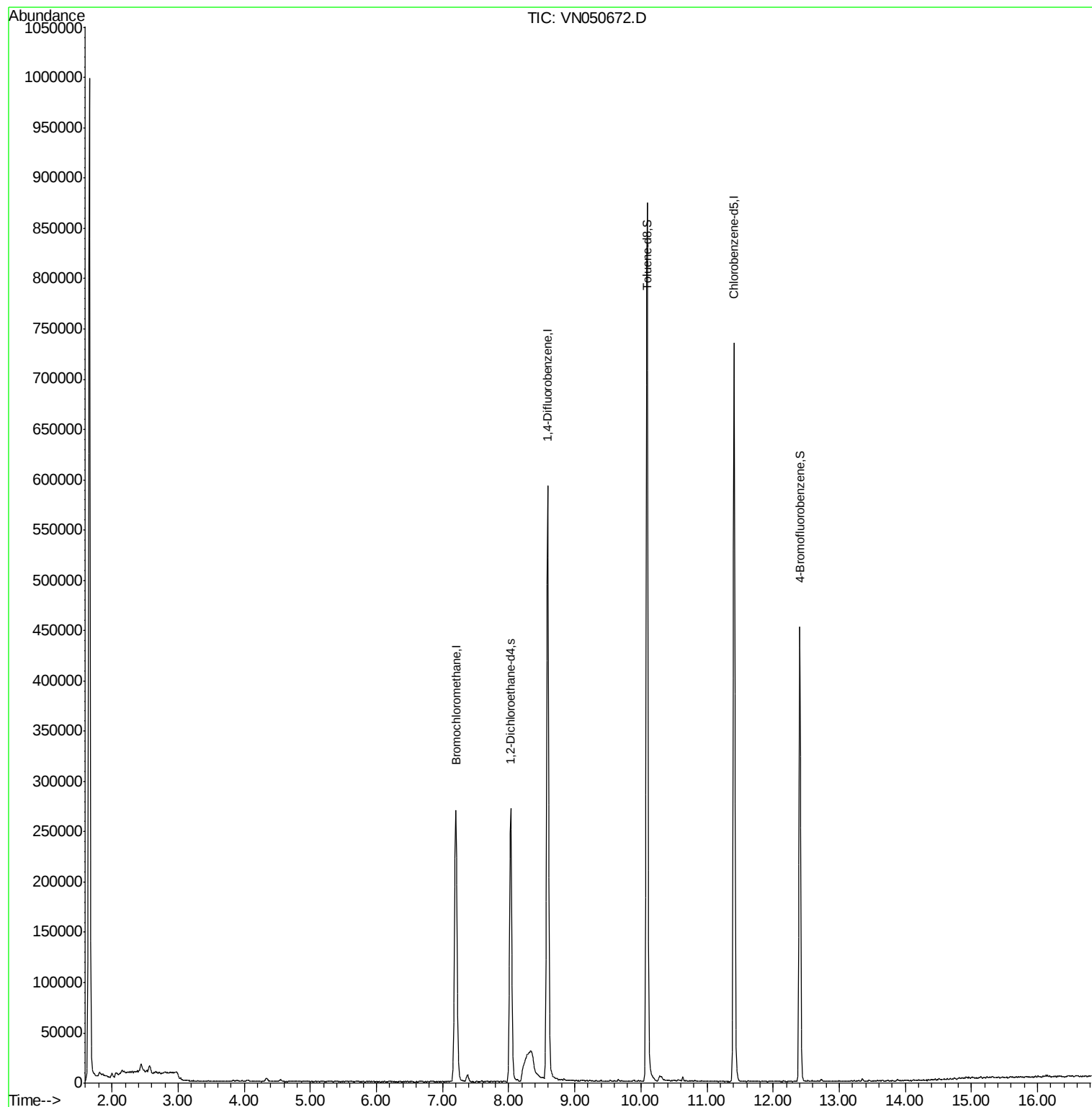
Target Compounds	Ovalue

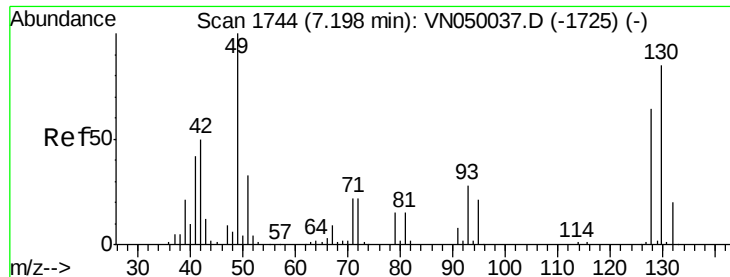
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1745

Delta R.T. 0.00 min

Lab File: VN050672.D

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Instrument :

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ClientSampleId :

MH-93

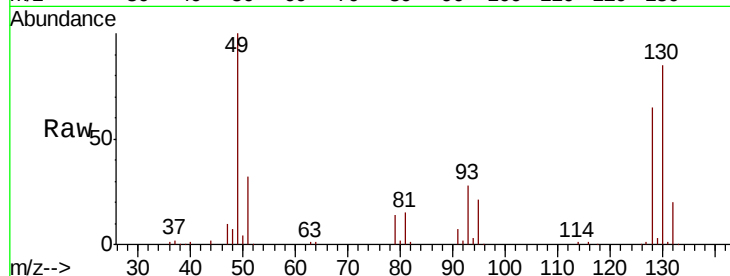
Tot Ion:128 Resp: 111833

Ion Ratio Lower Upper

128 100

49 154.4 0.0 378.3

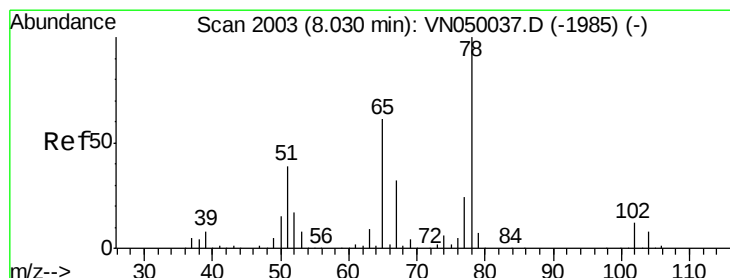
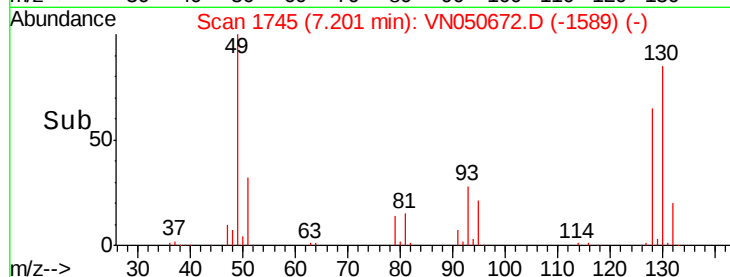
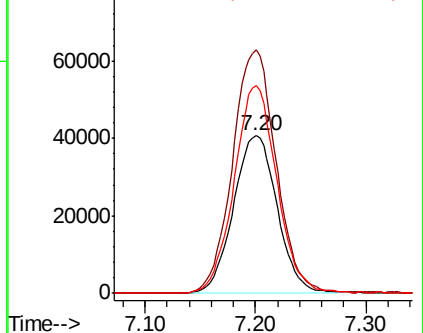
130 129.3 0.0 320.7



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: 30.56 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050672.D

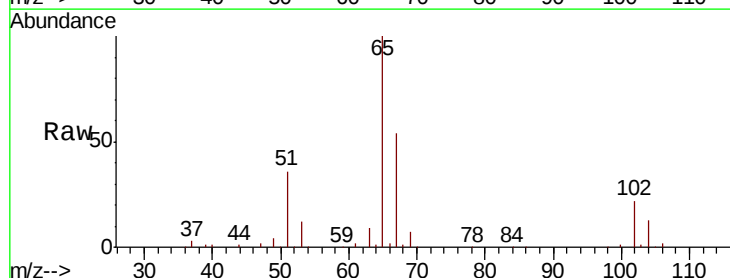
Acq: 15 Aug 2018 23:04

Tgt Ion: 65 Resp: 232295

Ion Ratio Lower Upper

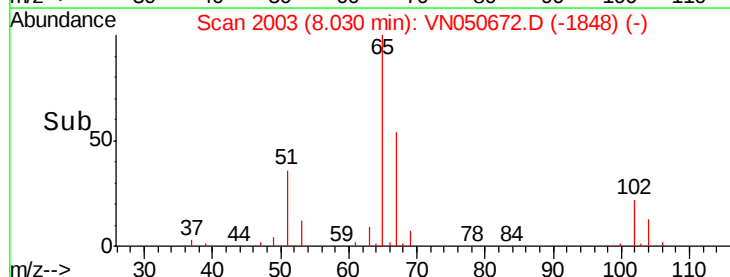
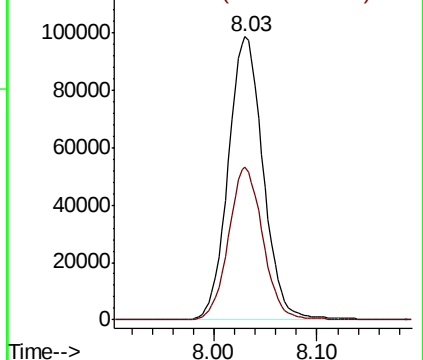
65 100

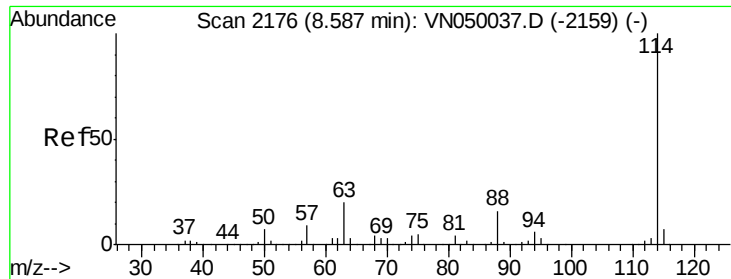
67 52.8 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

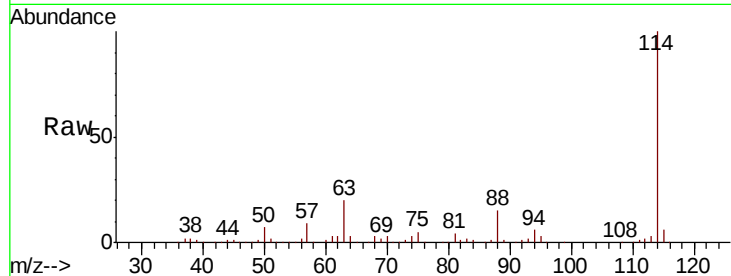




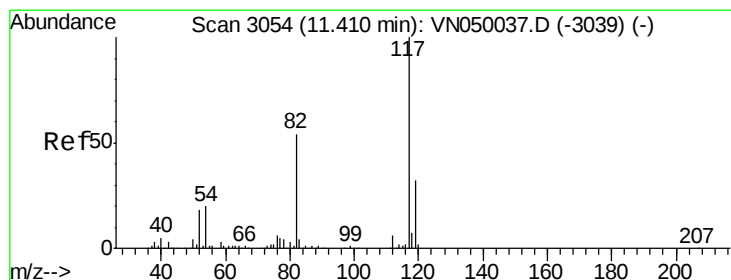
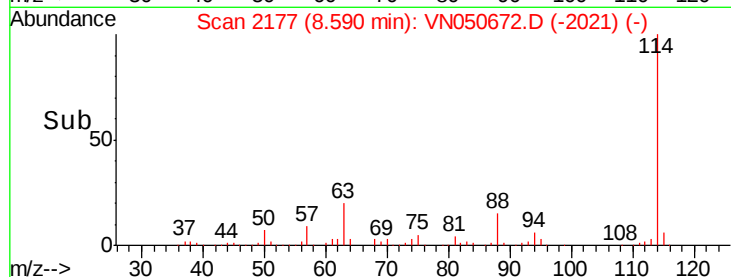
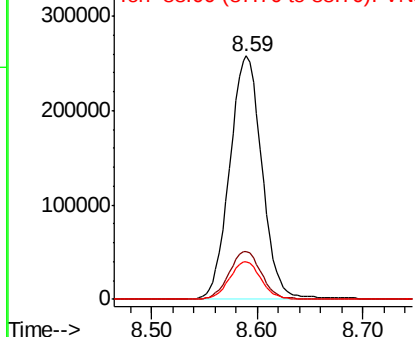
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050672.D
 Acq: 15 Aug 2018 23:04

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-93

Tot Ion:114 Resp: 547795
 Ion Ratio Lower Upper
 114 100
 63 19.8 16.2 24.2
 88 15.2 12.3 18.5

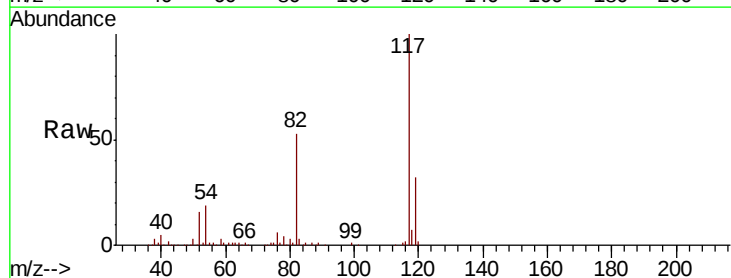


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

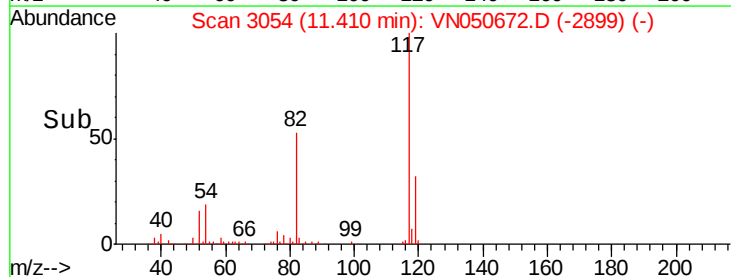
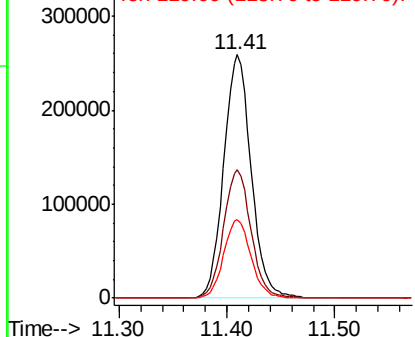


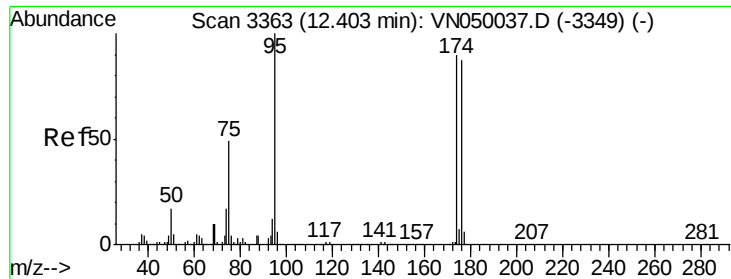
#57
 Chlorobenzene-d5
 Concen: 30.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050672.D
 Acq: 15 Aug 2018 23:04

Tgt Ion:117 Resp: 458466
 Ion Ratio Lower Upper
 117 100
 82 52.7 42.4 63.6
 119 32.1 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: 21.66 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050672.D

Acq: 15 Aug 2018 23:04

Instrument :

MSVOA_N

ClientSampleId :

MH-93

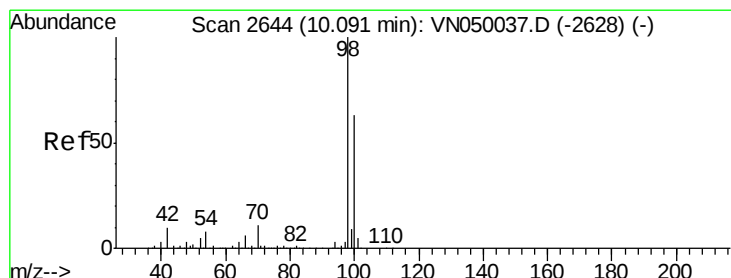
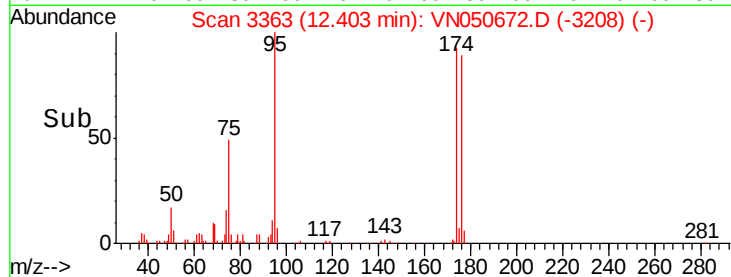
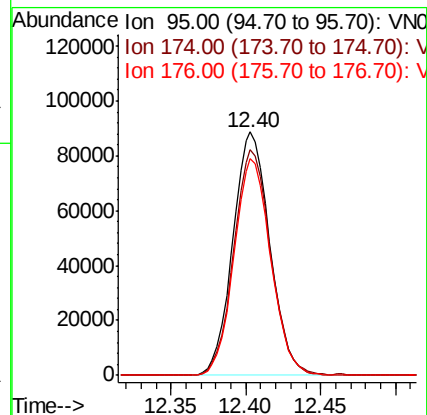
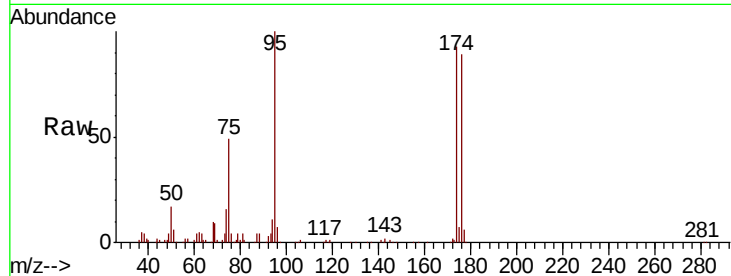
Tot Ion: 95 Resp: 152545

Ion Ratio Lower Upper

95 100

174 92.6 72.3 108.5

176 88.3 70.0 105.0



#63

Toluene-d8

Concen: 29.11 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050672.D

Acq: 15 Aug 2018 23:04

Tgt Ion: 98 Resp: 637381

Ion Ratio Lower Upper

98 100

100 62.6 51.2 76.8

