

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020819\
 Data File : VX007436.D
 Acq On : 08 Feb 2019 12:27
 Operator : JC/SP
 Sample : VX0208WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBL02

Quant Time: Feb 08 14:50:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	79544	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	420926	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	369661	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	158723	30.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.33%
60) 4-Bromofluorobenzene	11.13	95	156136	27.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.23%
63) Toluene-d8	8.71	98	488880	29.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.80%

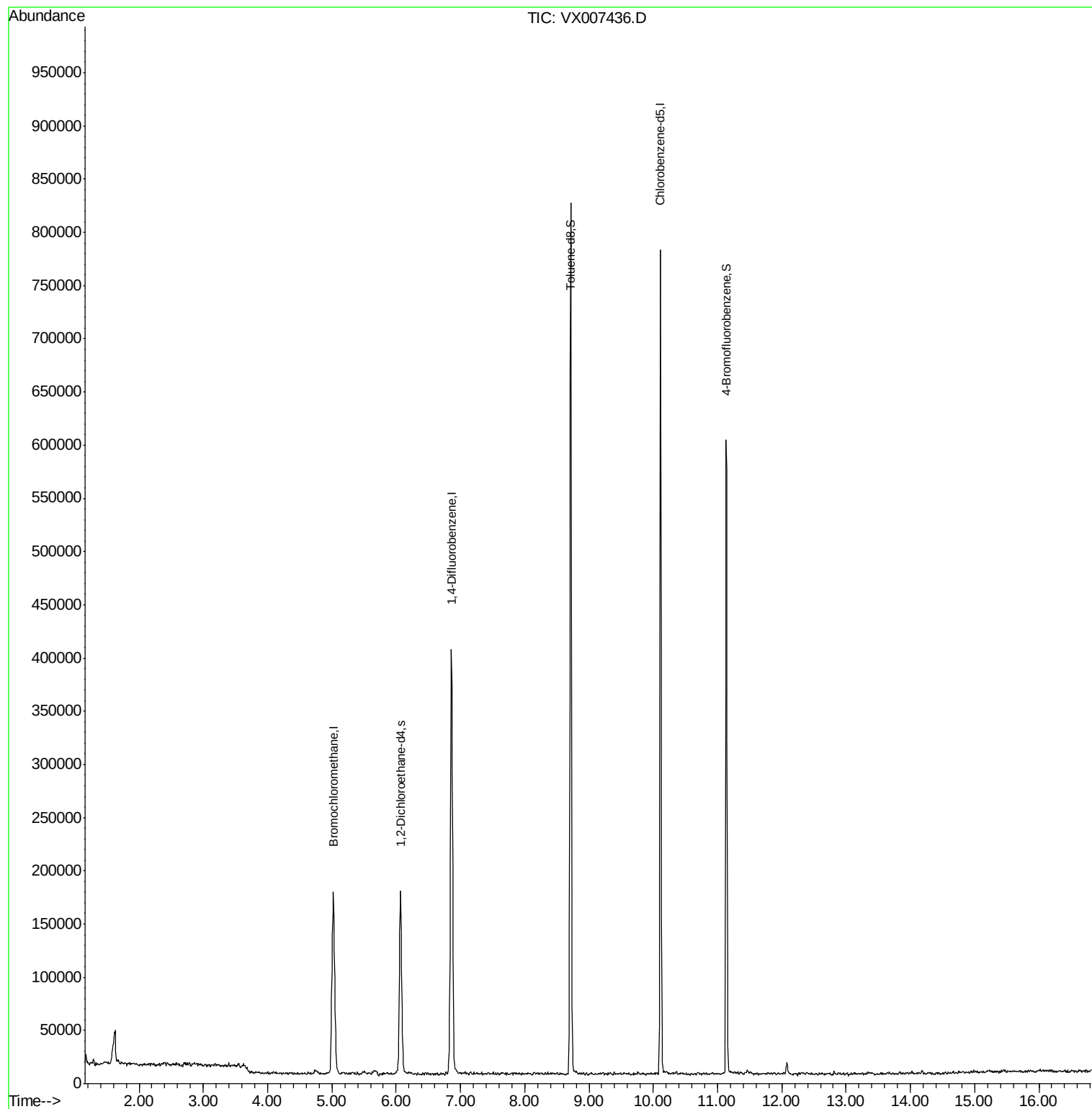
Target Compounds	Ovalue

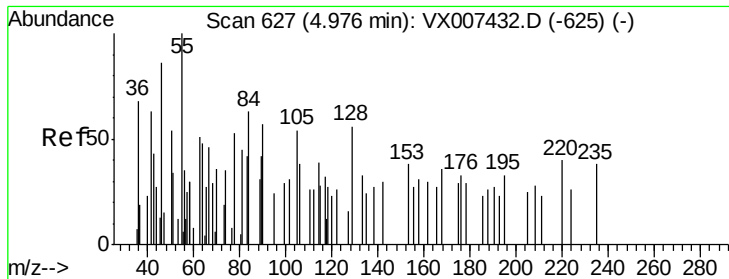
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 28 10:35:22 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX007436.D

Acq: 08 Feb 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBL02

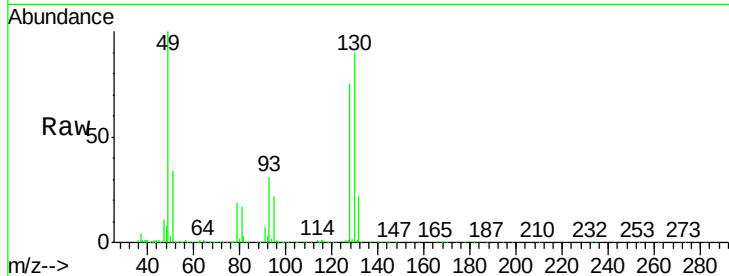
Tot Ion:128 Resp: 79544

Ion Ratio Lower Upper

128 100

49 135.9 0.0 345.5

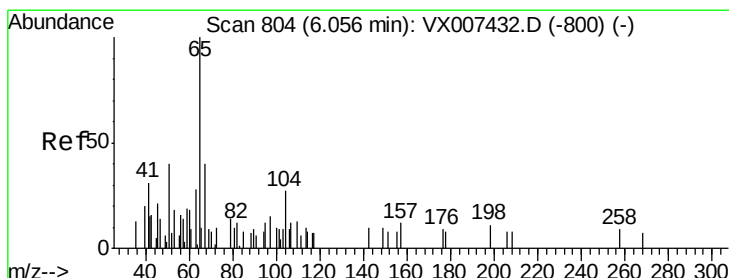
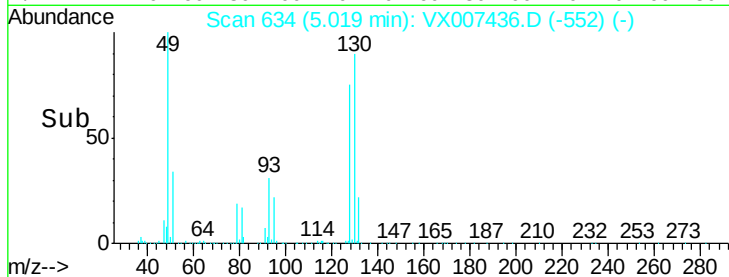
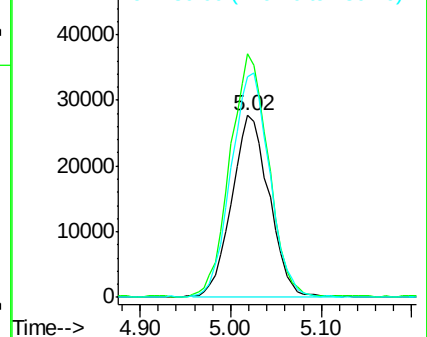
130 127.1 0.0 320.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 30.398 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007436.D

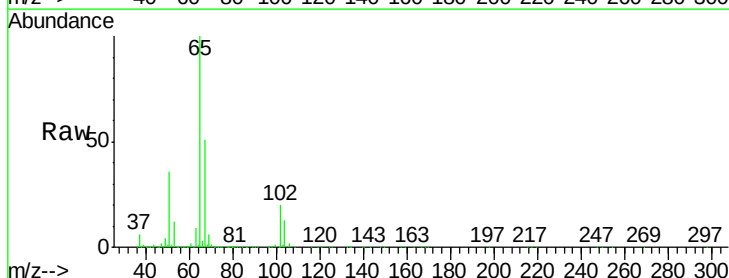
Acq: 08 Feb 2019 12:27

Tgt Ion: 65 Resp: 158723

Ion Ratio Lower Upper

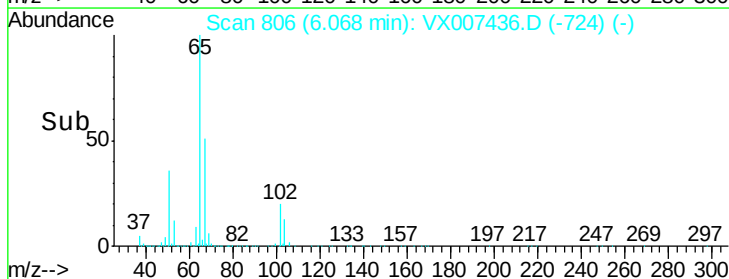
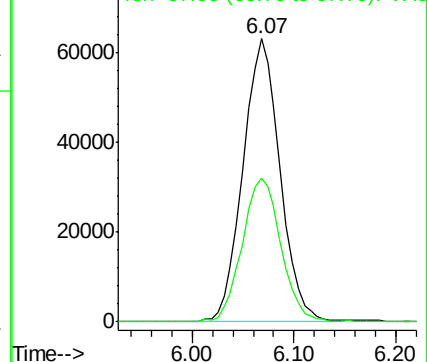
65 100

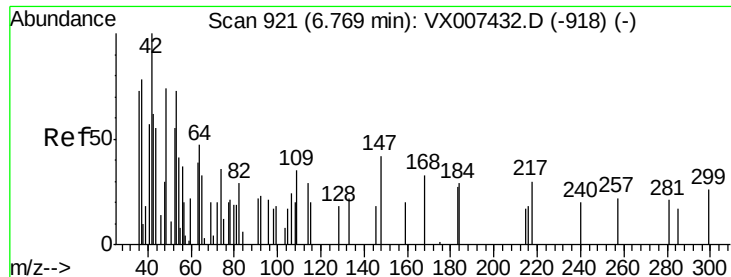
67 53.0 42.0 63.0



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007436.D

Acq: 08 Feb 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBL02

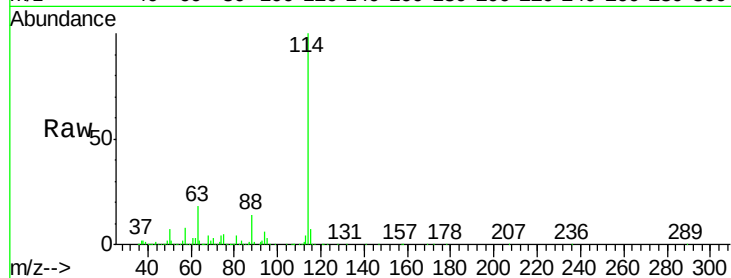
Tot Ion:114 Resp: 420926

Ion Ratio Lower Upper

114 100

63 17.9 14.6 21.8

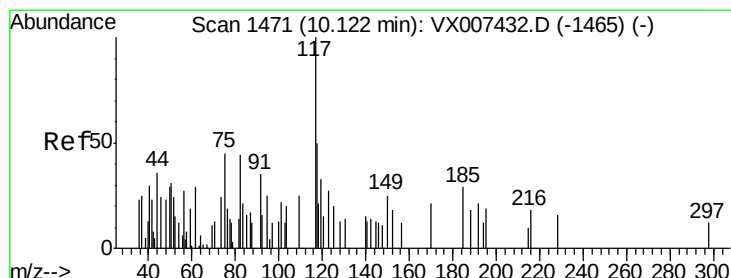
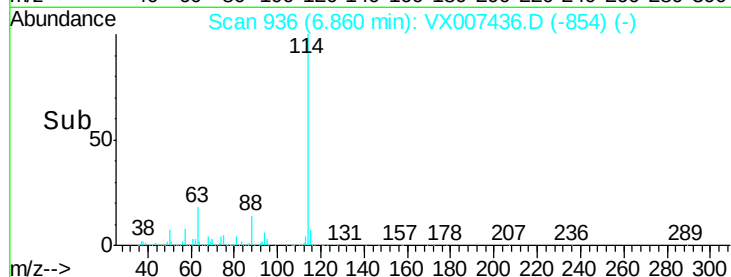
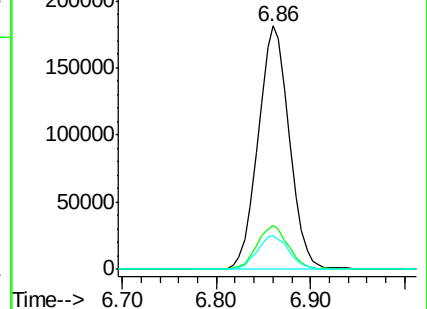
88 14.2 11.8 17.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007436.D

Acq: 08 Feb 2019 12:27

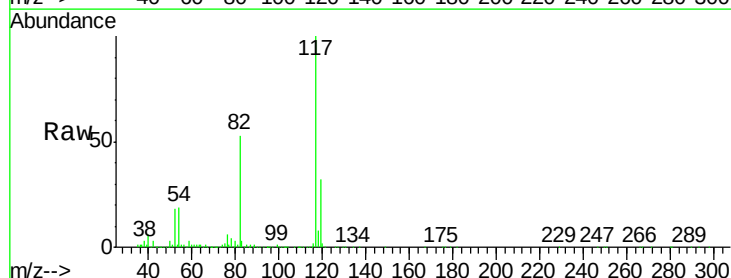
Tgt Ion:117 Resp: 369661

Ion Ratio Lower Upper

117 100

82 51.3 41.4 62.0

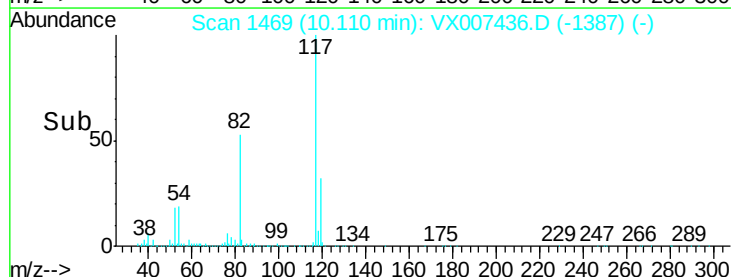
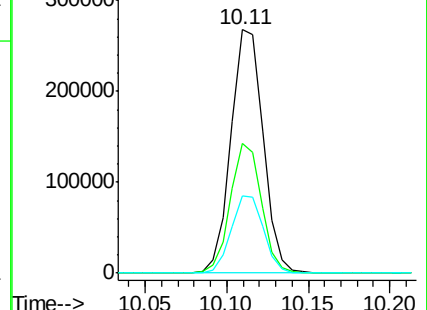
119 31.6 25.7 38.5

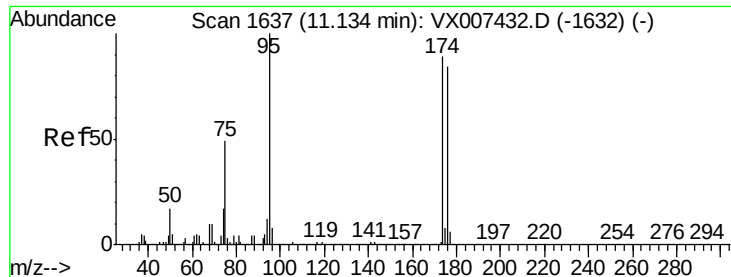


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 27.366 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007436.D

Acq: 08 Feb 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBL02

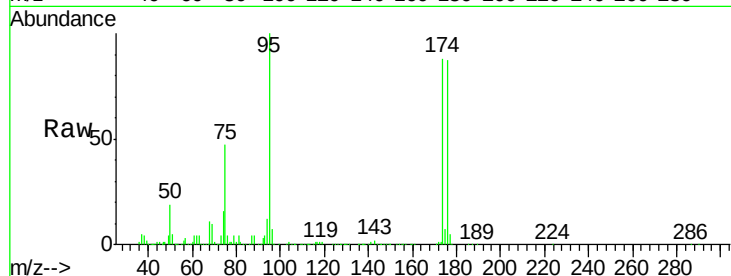
Tot Ion: 95 Resp: 156136

Ion Ratio Lower Upper

95 100

174 92.2 74.8 112.2

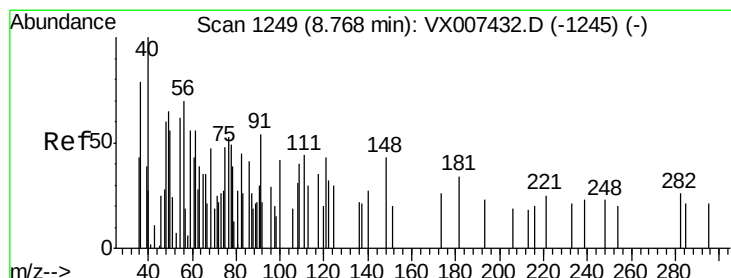
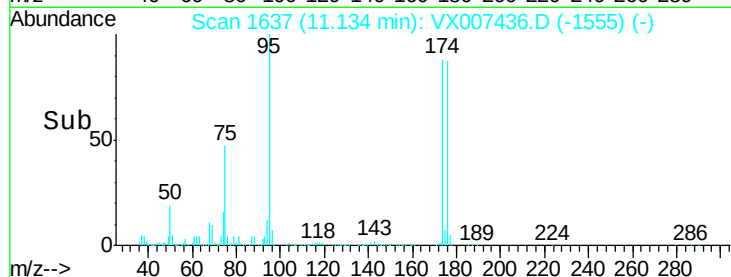
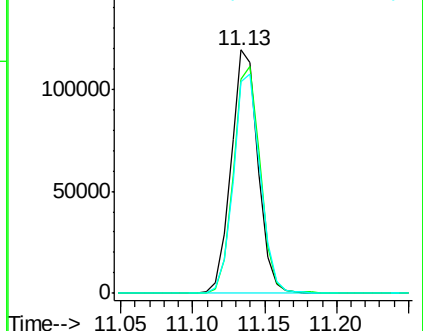
176 89.5 72.5 108.7



Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Toluene-d8

Concen: 29.340 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007436.D

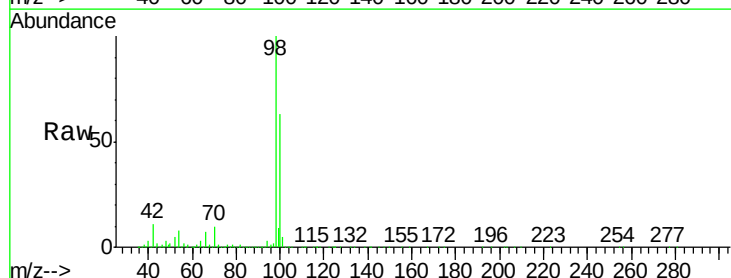
Acq: 08 Feb 2019 12:27

Tgt Ion: 98 Resp: 488880

Ion Ratio Lower Upper

98 100

100 63.2 49.9 74.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

