

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011019\
 Data File : VN053333.D
 Acq On : 10 Jan 2019 10:04
 Operator : MD\SY
 Sample : VN0110WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBL01

Quant Time: Jan 11 06:08:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	160569	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	919716	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	802994	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	310950	30.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.60%
60) 4-Bromofluorobenzene	12.40	95	352359	28.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.60%
63) Toluene-d8	10.09	98	1076606	29.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.20%

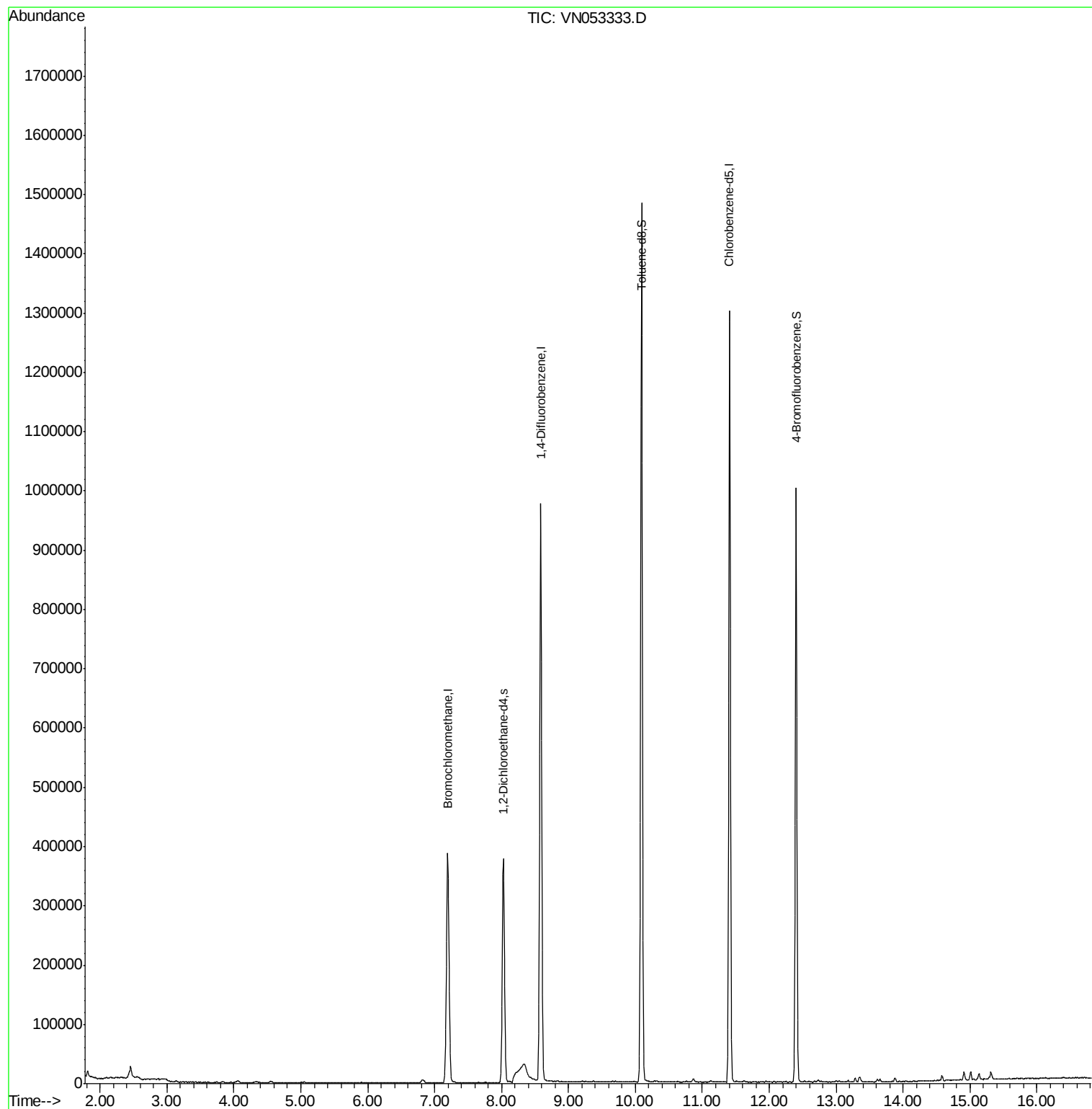
Target Compounds	Ovalue

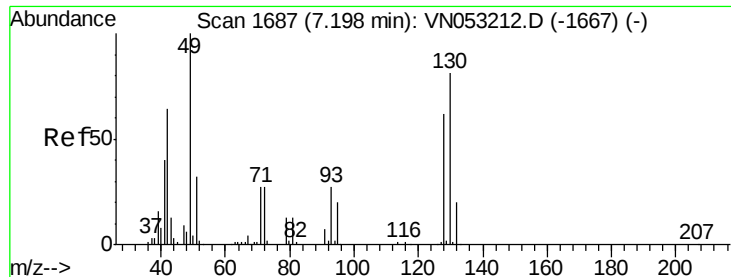
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053333.D

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Instrument :

MSVOA_N

ClientSampleId :

VN0110WBL01

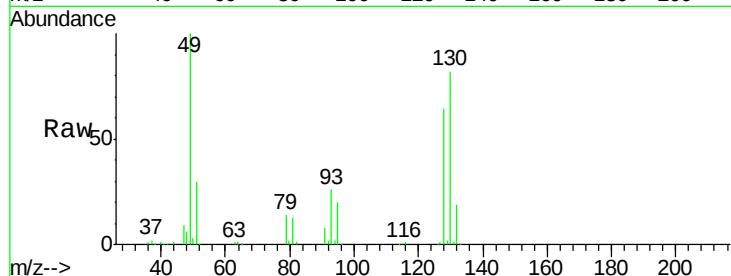
Tot Ion:128 Resp: 160569

Ion Ratio Lower Upper

128 100

49 155.4 0.0 431.8

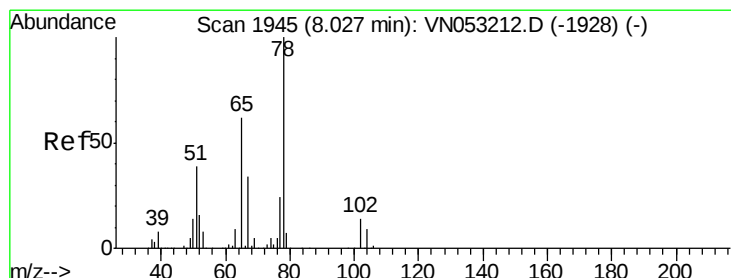
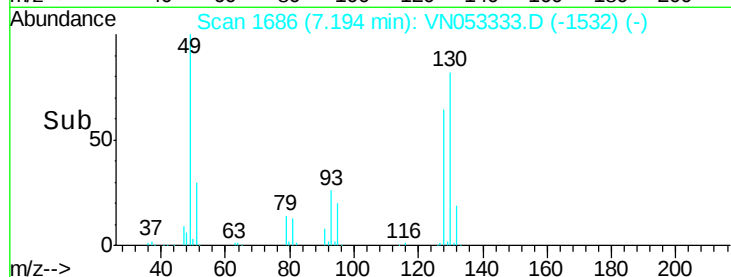
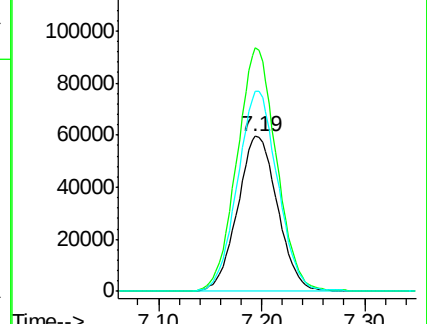
130 129.3 0.0 317.0



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: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053333.D

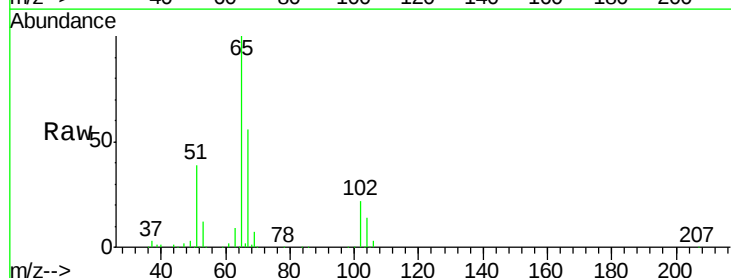
Acq: 10 Jan 2019 10:04

Tgt Ion: 65 Resp: 310950

Ion Ratio Lower Upper

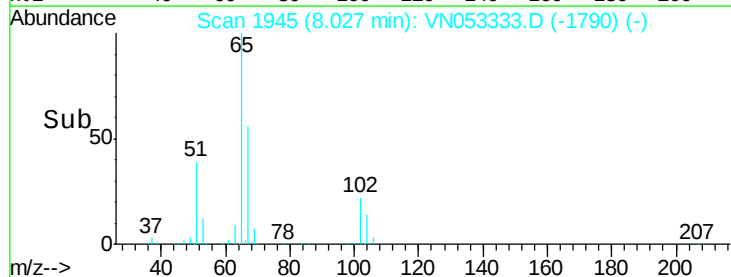
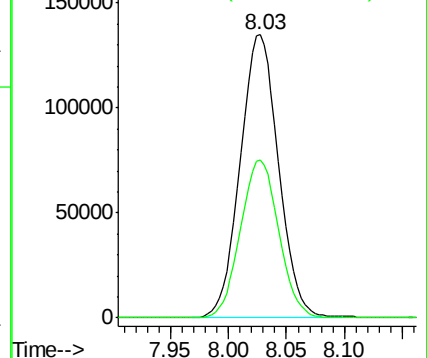
65 100

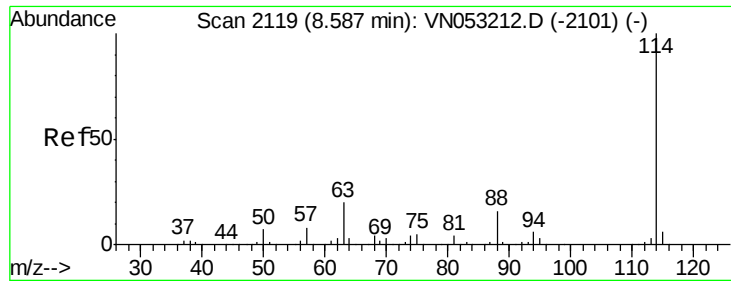
67 55.7 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

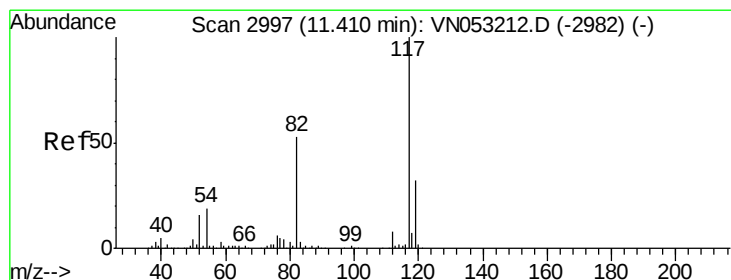
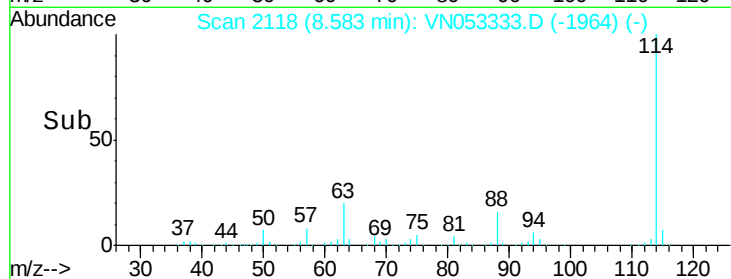
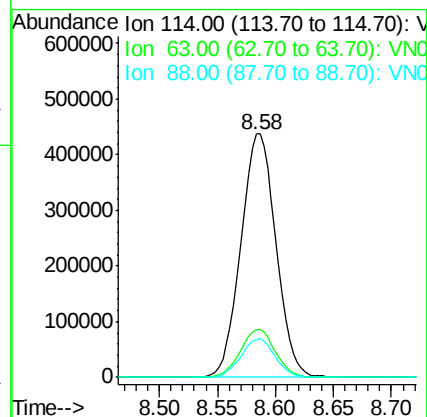
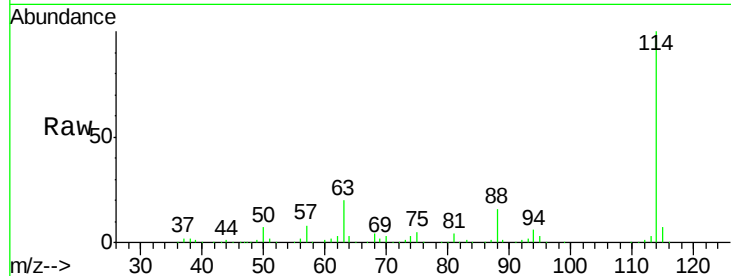




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053333.D
 Acq: 10 Jan 2019 10:04

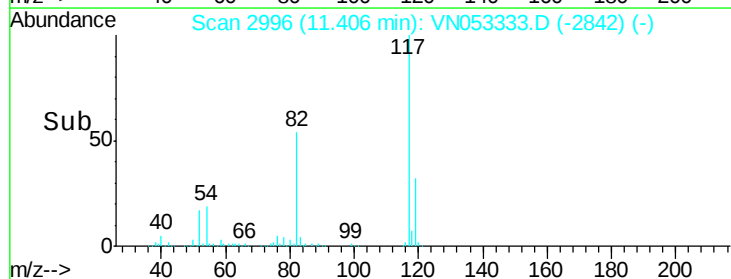
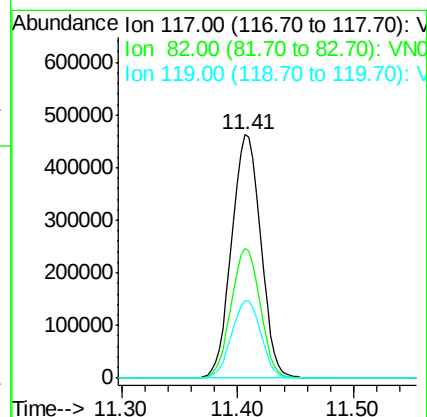
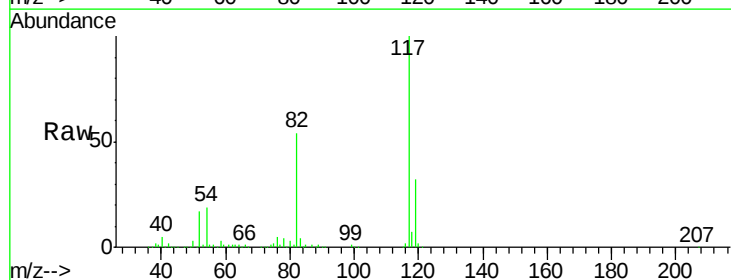
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBL01

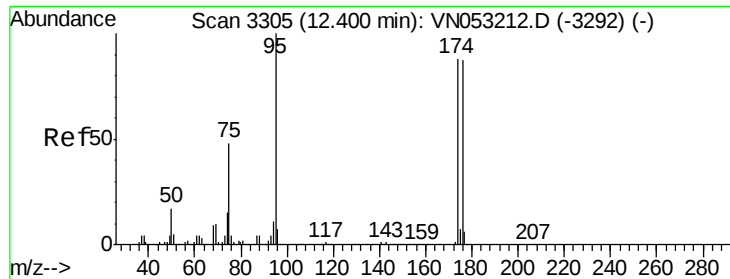
Tot Ion:114 Resp: 919716
 Ion Ratio Lower Upper
 114 100
 63 19.5 16.9 25.3
 88 15.5 12.8 19.2



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN053333.D
 Acq: 10 Jan 2019 10:04

Tgt Ion:117 Resp: 802994
 Ion Ratio Lower Upper
 117 100
 82 53.1 44.2 66.2
 119 32.0 25.4 38.2





#60

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053333.D

Acq: 10 Jan 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBL01

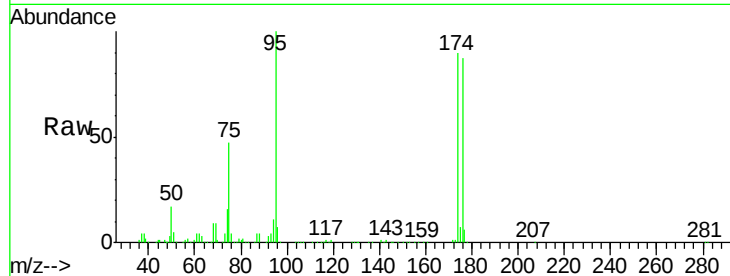
Tot Ion: 95 Resp: 352359

Ion Ratio Lower Upper

95 100

174 91.5 67.9 101.9

176 88.6 66.4 99.6

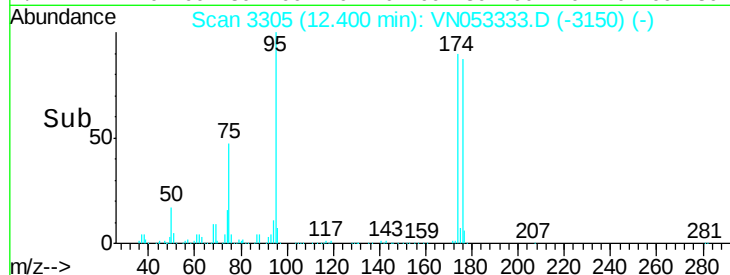


Abundance Ion 95.00 (94.70 to 95.70): VN053212.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN053212.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN053212.D (-3292) (-)

Time-->

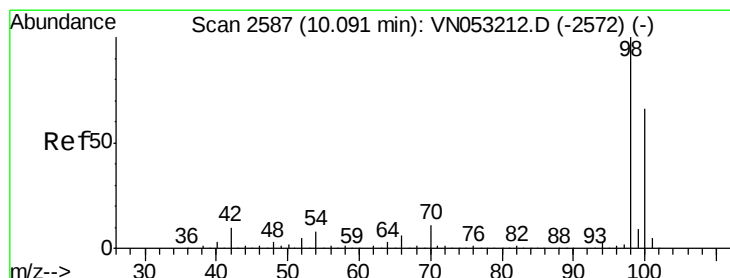


Abundance Ion 95.00 (94.70 to 95.70): VN053333.D (-3150) (-)

Ion 174.00 (173.70 to 174.70): VN053333.D (-3150) (-)

Ion 176.00 (175.70 to 176.70): VN053333.D (-3150) (-)

Time-->



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053333.D

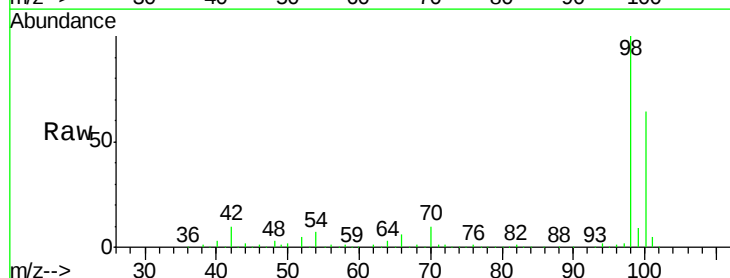
Acq: 10 Jan 2019 10:04

Tgt Ion: 98 Resp: 1076606

Ion Ratio Lower Upper

98 100

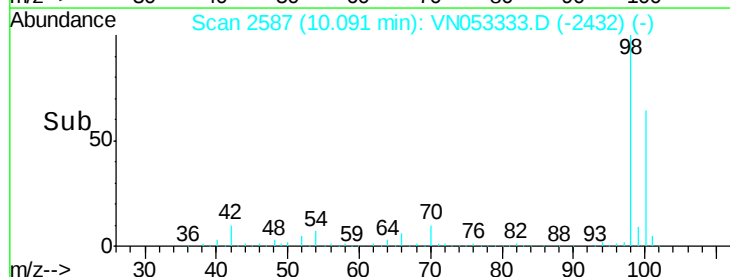
100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN053212.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN053212.D (-2572) (-)

Time-->



Abundance Ion 98.00 (97.70 to 98.70): VN053333.D (-2432) (-)

Ion 100.00 (99.70 to 100.70): VN053333.D (-2432) (-)

Time-->