

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059110.D
 Acq On : 7 Nov 2019 10:38
 Operator : JC/SP
 Sample : VN1107WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBL01

Quant Time: Nov 08 01:27:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	73149	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	407862	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	343415	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.00	65	177600	28.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.37%
60) 4-Bromofluorobenzene	12.40	95	144956	24.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.43%
63) Toluene-d8	10.08	98	493028	30.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.37%

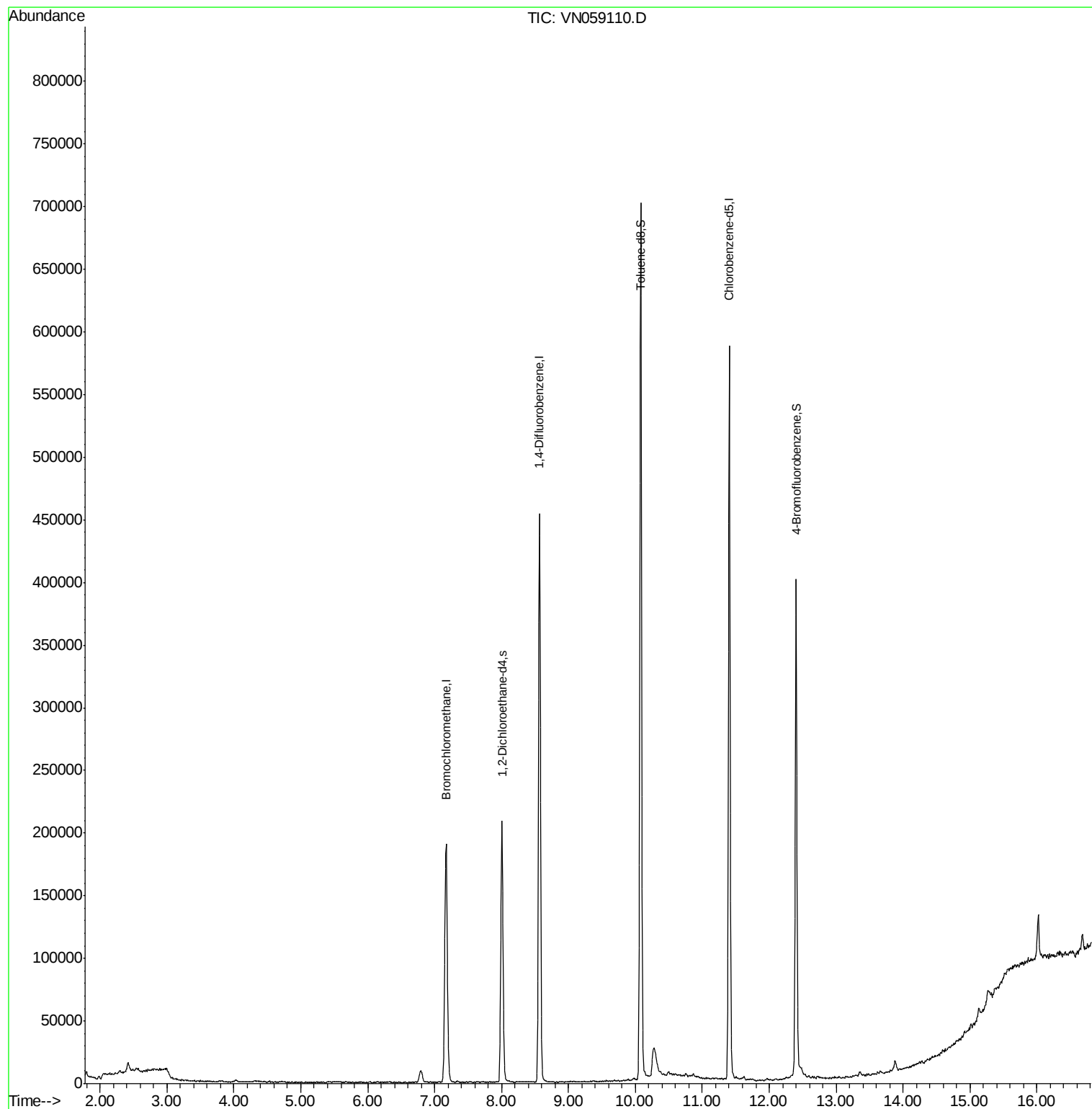
Target Compounds	Ovalue

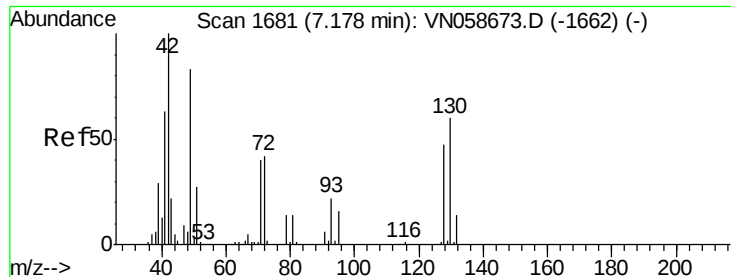
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN059110.D

Acq: 7 Nov 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

VN1107WBL01

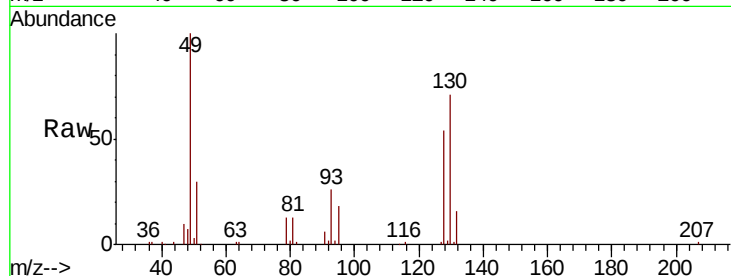
Tot Ion:128 Resp: 73149

Ion Ratio Lower Upper

128 100

49 182.2 0.0 453.5

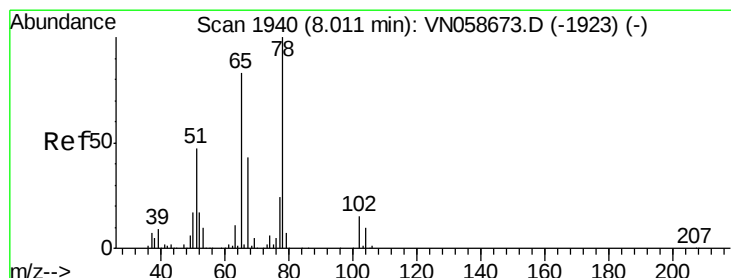
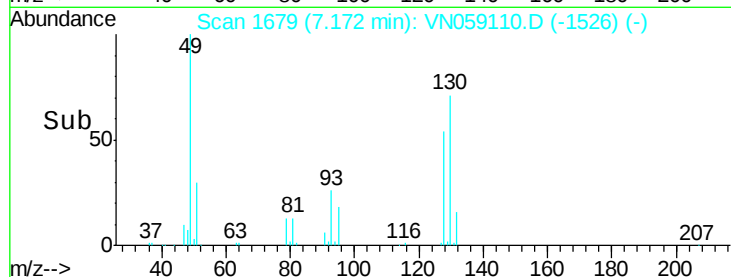
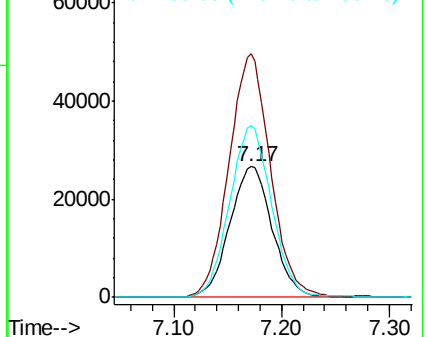
130 129.5 0.0 314.2



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: 28.606 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.01 min

Lab File: VN059110.D

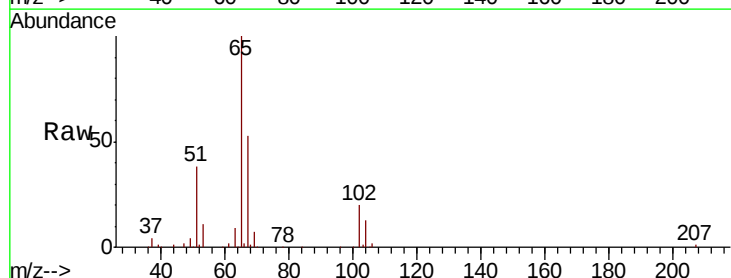
Acq: 7 Nov 2019 10:38

Tgt Ion: 65 Resp: 177600

Ion Ratio Lower Upper

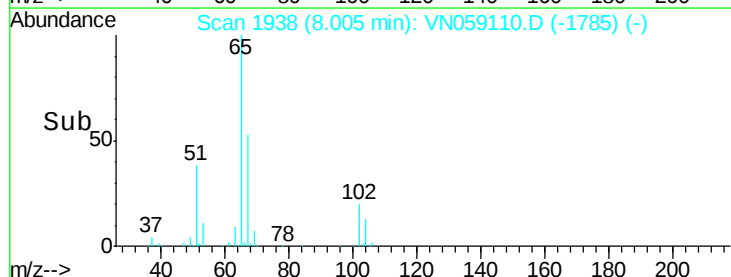
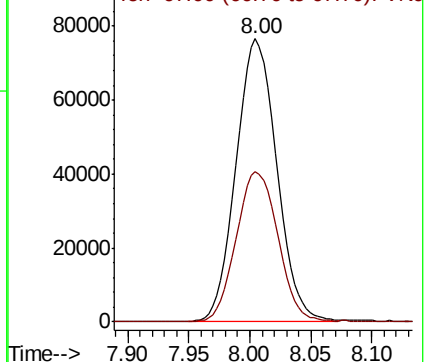
65 100

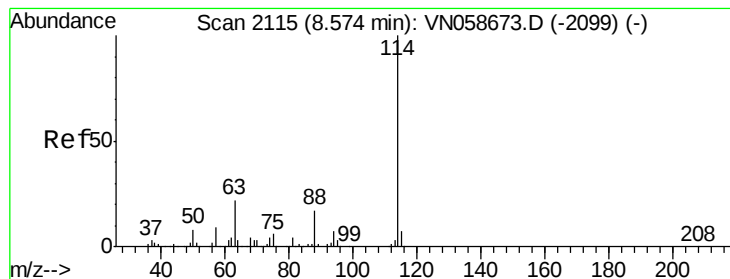
67 54.4 41.5 62.3



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# 2113

Delta R.T. -0.01 min

Lab File: VN059110.D

Acq: 7 Nov 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBL01

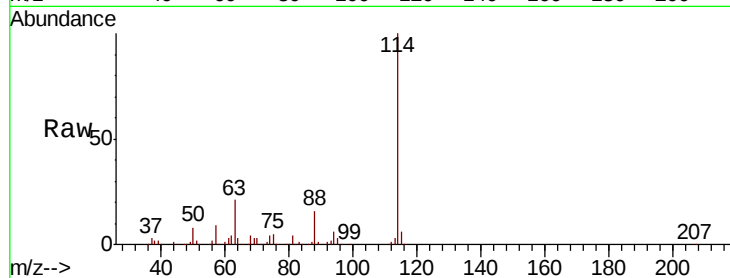
Tot Ion:114 Resp: 407862

Ion Ratio Lower Upper

114 100

63 21.4 18.1 27.1

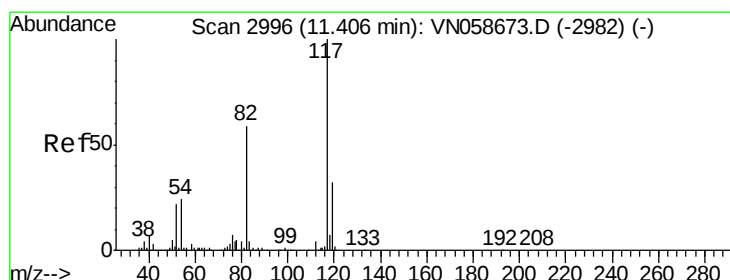
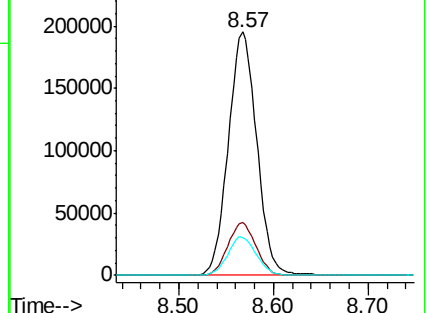
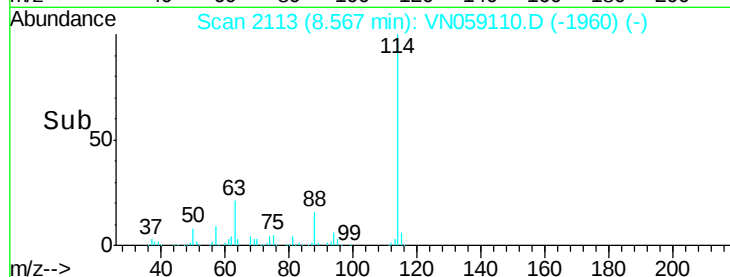
88 16.0 13.0 19.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059110.D

Acq: 7 Nov 2019 10:38

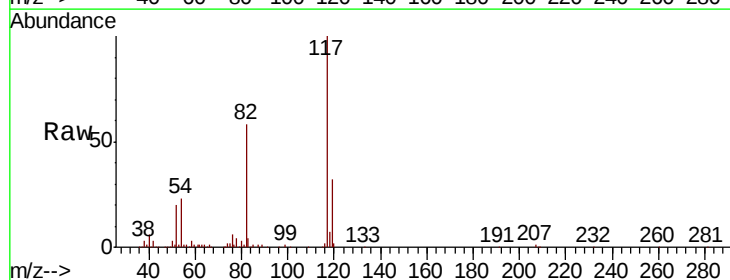
Tgt Ion:117 Resp: 343415

Ion Ratio Lower Upper

117 100

82 58.2 46.9 70.3

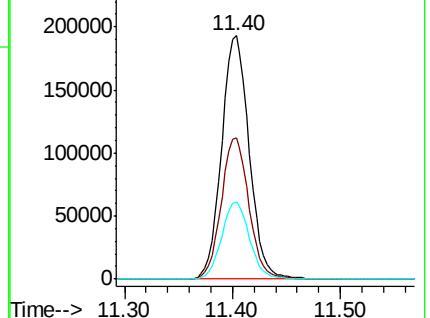
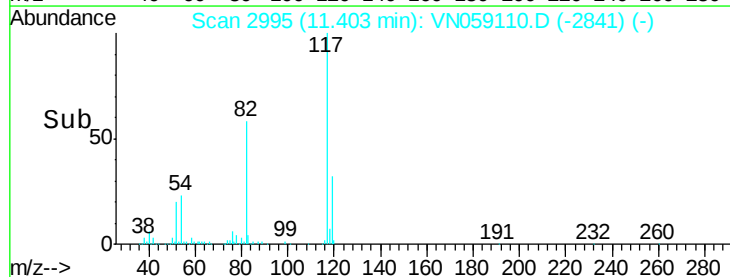
119 32.1 25.8 38.6

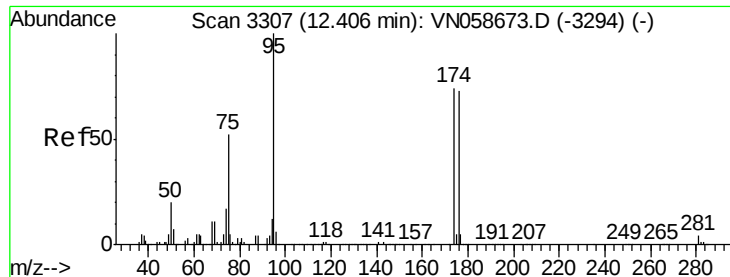


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 24.130 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.01 min

Lab File: VN059110.D

Acq: 7 Nov 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBL01

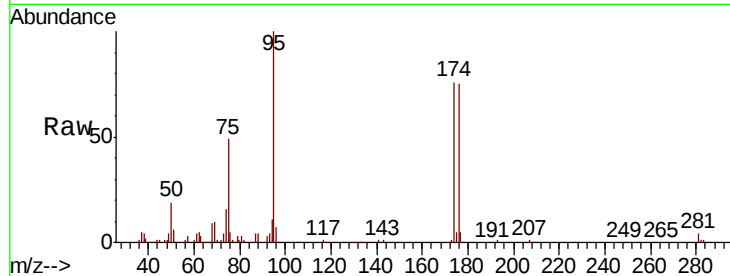
Tot Ion: 95 Resp: 144956

Ion Ratio Lower Upper

95 100

174 78.2 59.9 89.9

176 76.5 58.3 87.5

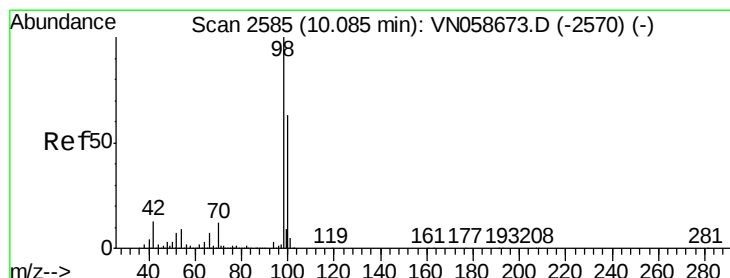
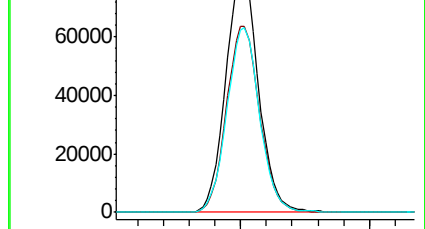
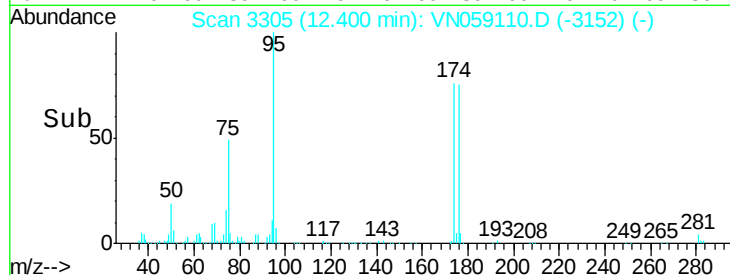


Abundance Ion 95.00 (94.70 to 95.70): VN058673.D (-3294) (-)

Ion 174.00 (173.70 to 174.70): VN058673.D (-3294) (-)

Ion 176.00 (175.70 to 176.70): VN058673.D (-3294) (-)

Time-->



#63

Toluene-d8

Concen: 30.406 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.01 min

Lab File: VN059110.D

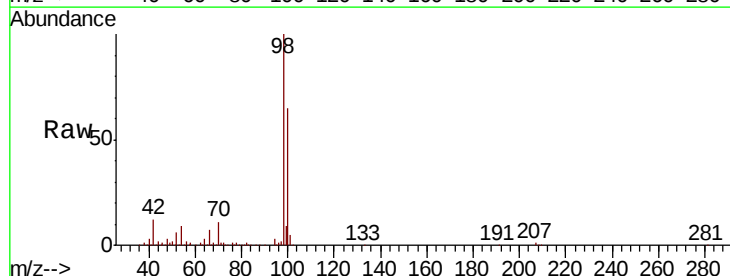
Acq: 7 Nov 2019 10:38

Tgt Ion: 98 Resp: 493028

Ion Ratio Lower Upper

98 100

100 64.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN058673.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN058673.D (-2570) (-)

Time-->

