

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
 Data File : VN054985.D
 Acq On : 11 Apr 2019 18:57
 Operator : JC/SP
 Sample : K2379-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

Quant Time: Apr 12 08:25:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	74196	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	390881	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	313711	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	169776	30.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.07%
60) 4-Bromofluorobenzene	12.40	95	109013	22.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	74.40%
63) Toluene-d8	10.09	98	479707	32.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.20%

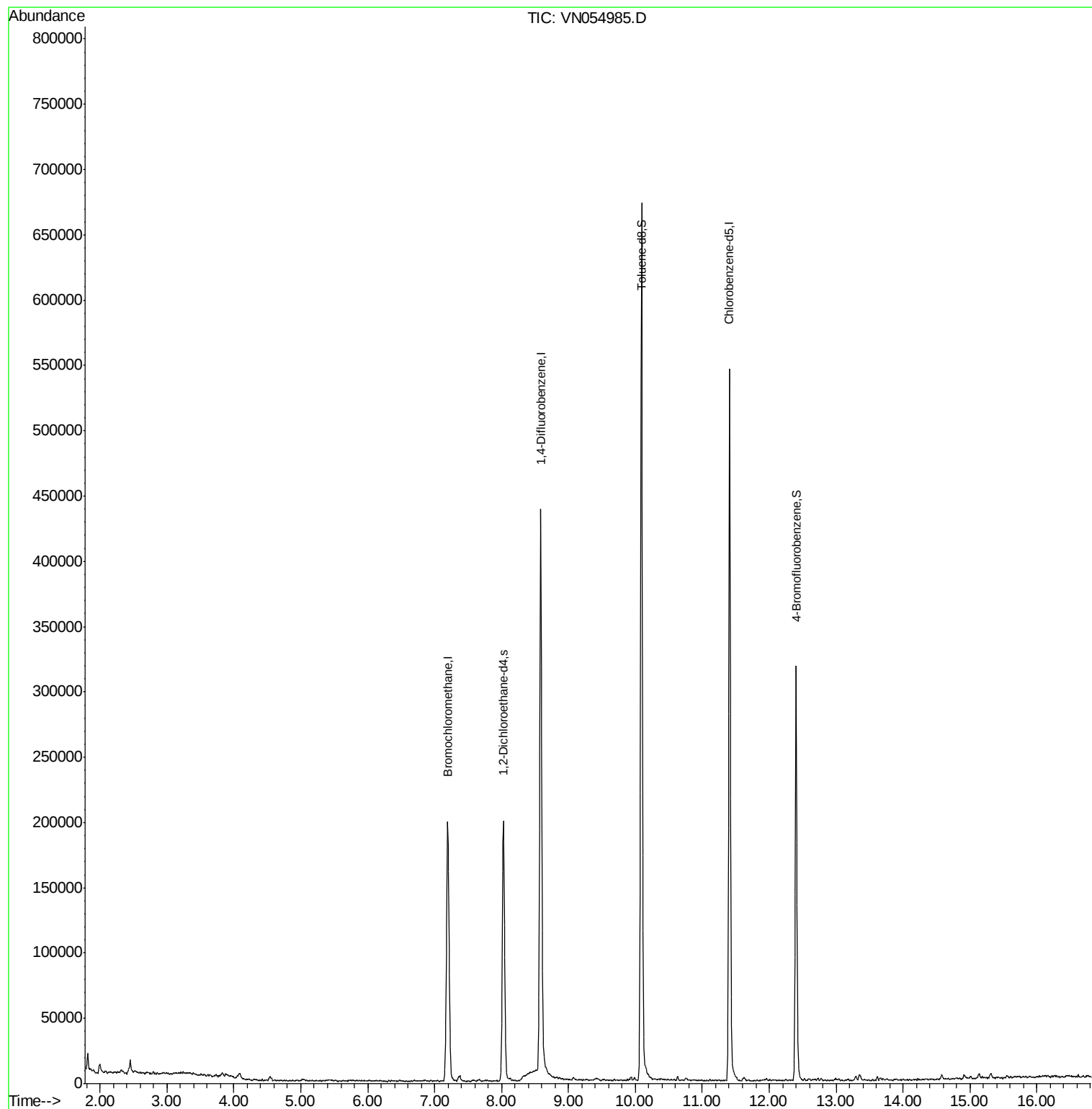
Target Compounds	Ovalue

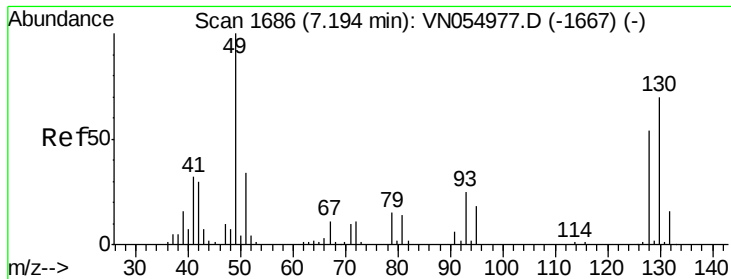
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054985.D

Acq: 11 Apr 2019 18:57

Instrument :

MSVOA_N

ClientSampleId :

SPDES-1

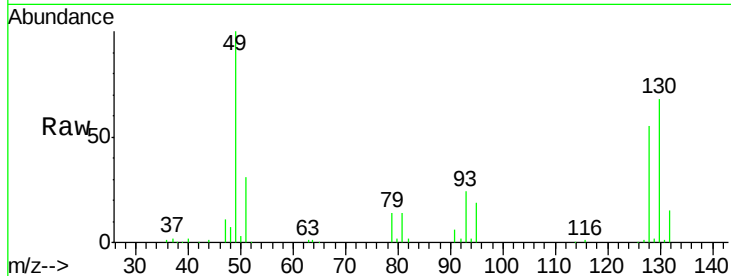
Tot Ion:128 Resp: 74196

Ion Ratio Lower Upper

128 100

49 186.0 0.0 480.3

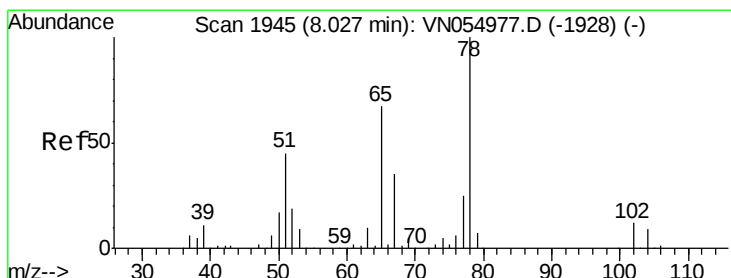
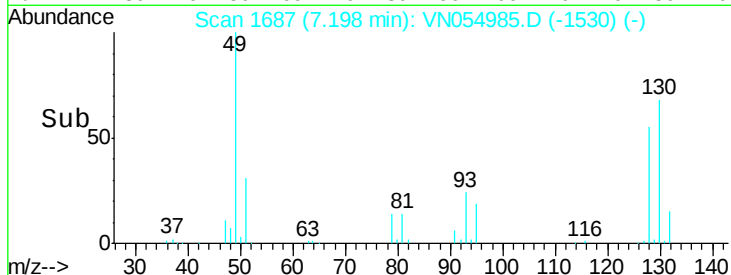
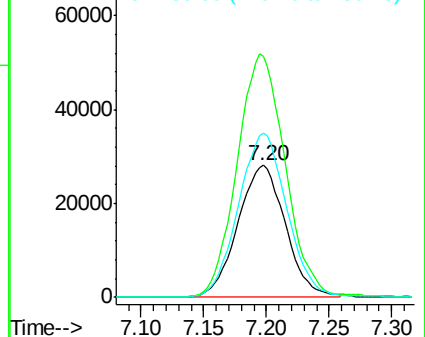
130 126.5 0.0 322.2



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: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054985.D

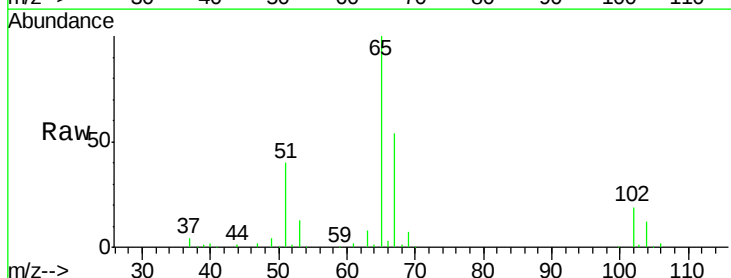
Acq: 11 Apr 2019 18:57

Tgt Ion: 65 Resp: 169776

Ion Ratio Lower Upper

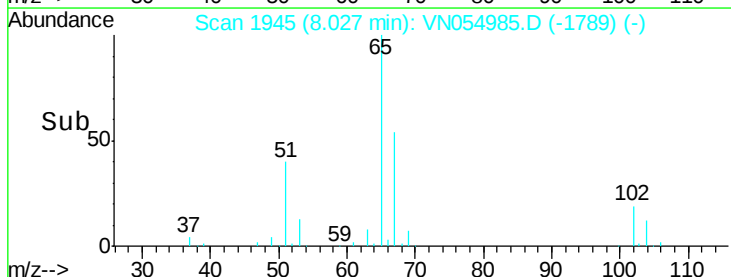
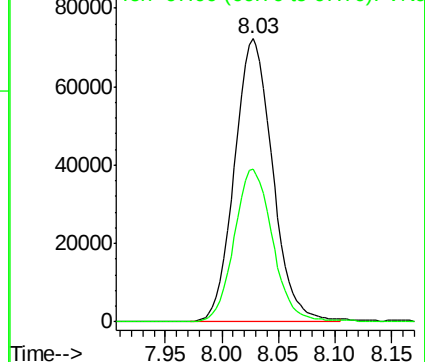
65 100

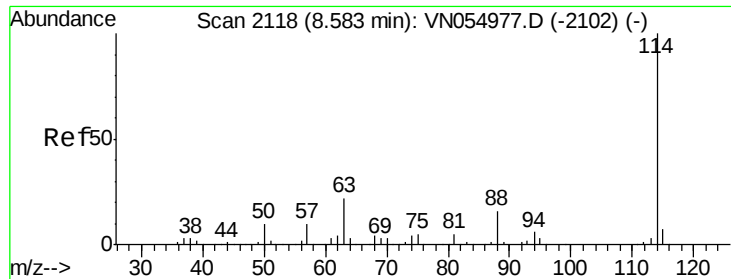
67 54.2 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

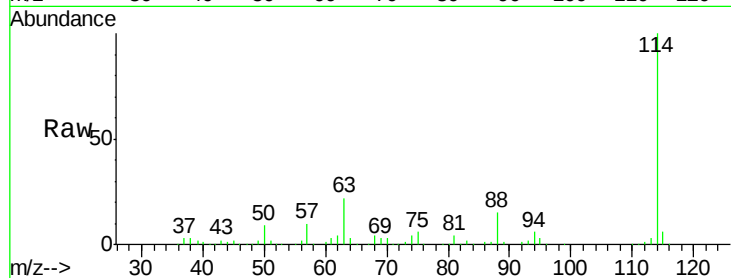




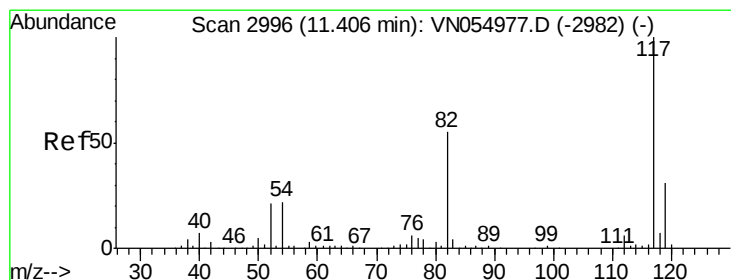
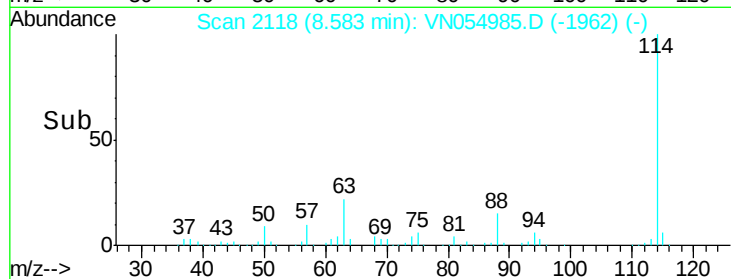
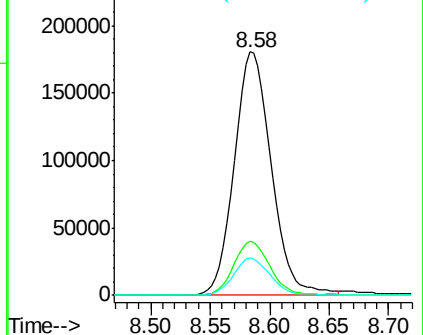
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN054985.D
 Acq: 11 Apr 2019 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

Tot Ion:114 Resp: 390881
 Ion Ratio Lower Upper
 114 100
 63 21.8 17.0 25.4
 88 15.2 12.3 18.5

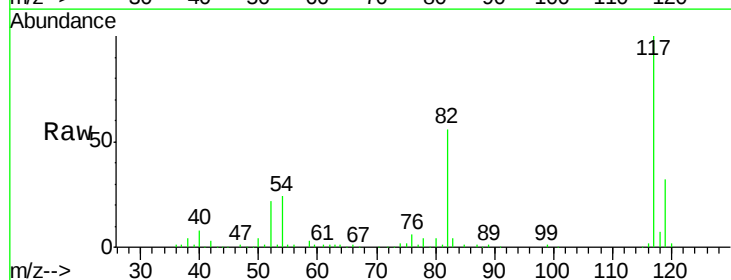


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

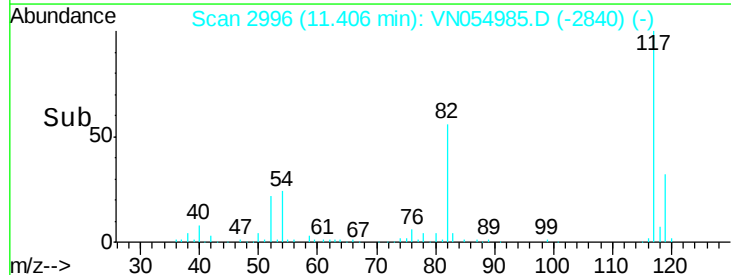
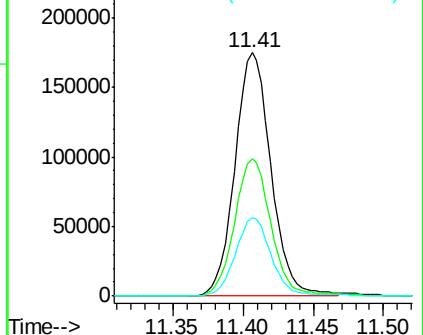


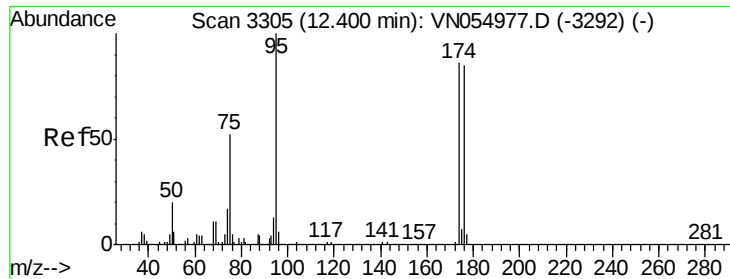
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN054985.D
 Acq: 11 Apr 2019 18:57

Tgt Ion:117 Resp: 313711
 Ion Ratio Lower Upper
 117 100
 82 56.4 45.2 67.8
 119 31.6 25.4 38.2



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: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054985.D

Acq: 11 Apr 2019 18:57

Instrument :

MSVOA_N

ClientSampleId :

SPDES-1

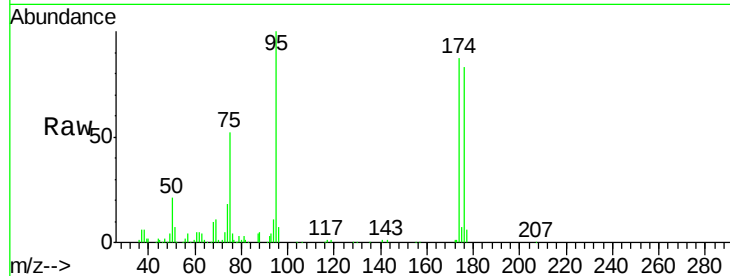
Tot Ion: 95 Resp: 109013

Ion Ratio Lower Upper

95 100

174 87.0 69.4 104.2

176 83.6 67.4 101.2

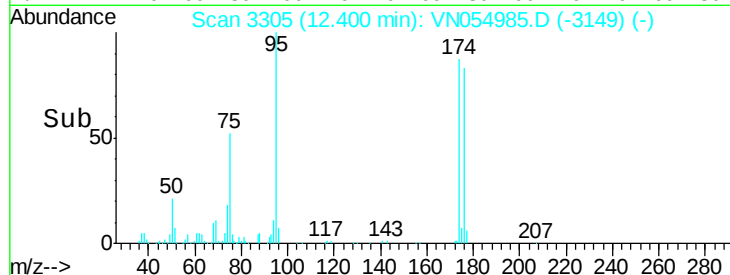


Abundance Ion 95.00 (94.70 to 95.70): VN054977.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN054977.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN054977.D (-3292) (-)

Time--> 12.30 12.40 12.50

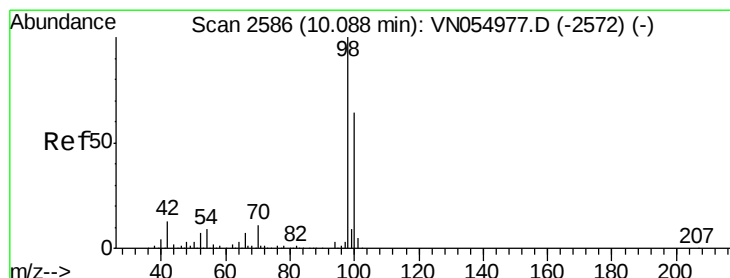


Abundance Ion 95.00 (94.70 to 95.70): VN054985.D (-3149) (-)

Ion 174.00 (173.70 to 174.70): VN054985.D (-3149) (-)

Ion 176.00 (175.70 to 176.70): VN054985.D (-3149) (-)

Time--> 12.30 12.40 12.50



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054985.D

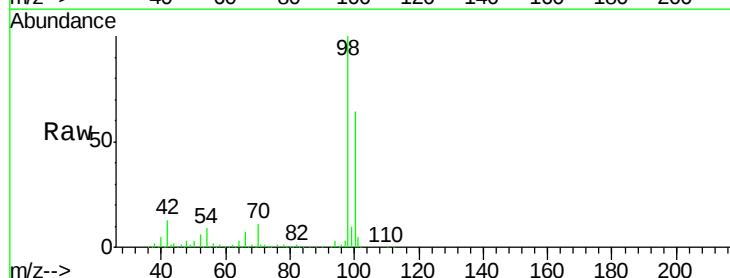
Acq: 11 Apr 2019 18:57

Tgt Ion: 98 Resp: 479707

Ion Ratio Lower Upper

98 100

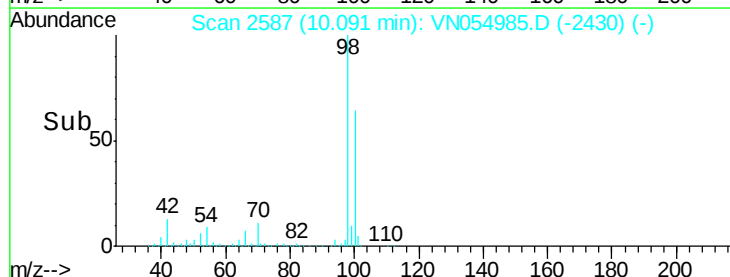
100 62.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN054977.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN054977.D (-2572) (-)

Time--> 10.00 10.10 10.20



Abundance Ion 98.00 (97.70 to 98.70): VN054985.D (-2430) (-)

Ion 100.00 (99.70 to 100.70): VN054985.D (-2430) (-)

Time--> 10.00 10.10 10.20