

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051185.D
 Acq On : 14 Sep 2018 13:09
 Operator : MD\SY
 Sample : J4907-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-594(3)

Quant Time: Sep 17 14:46:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	99161	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	493938	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	395043	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	187960	29.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.00%
60) 4-Bromofluorobenzene	12.41	95	112111	19.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	63.60%
63) Toluene-d8	10.09	98	557869	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

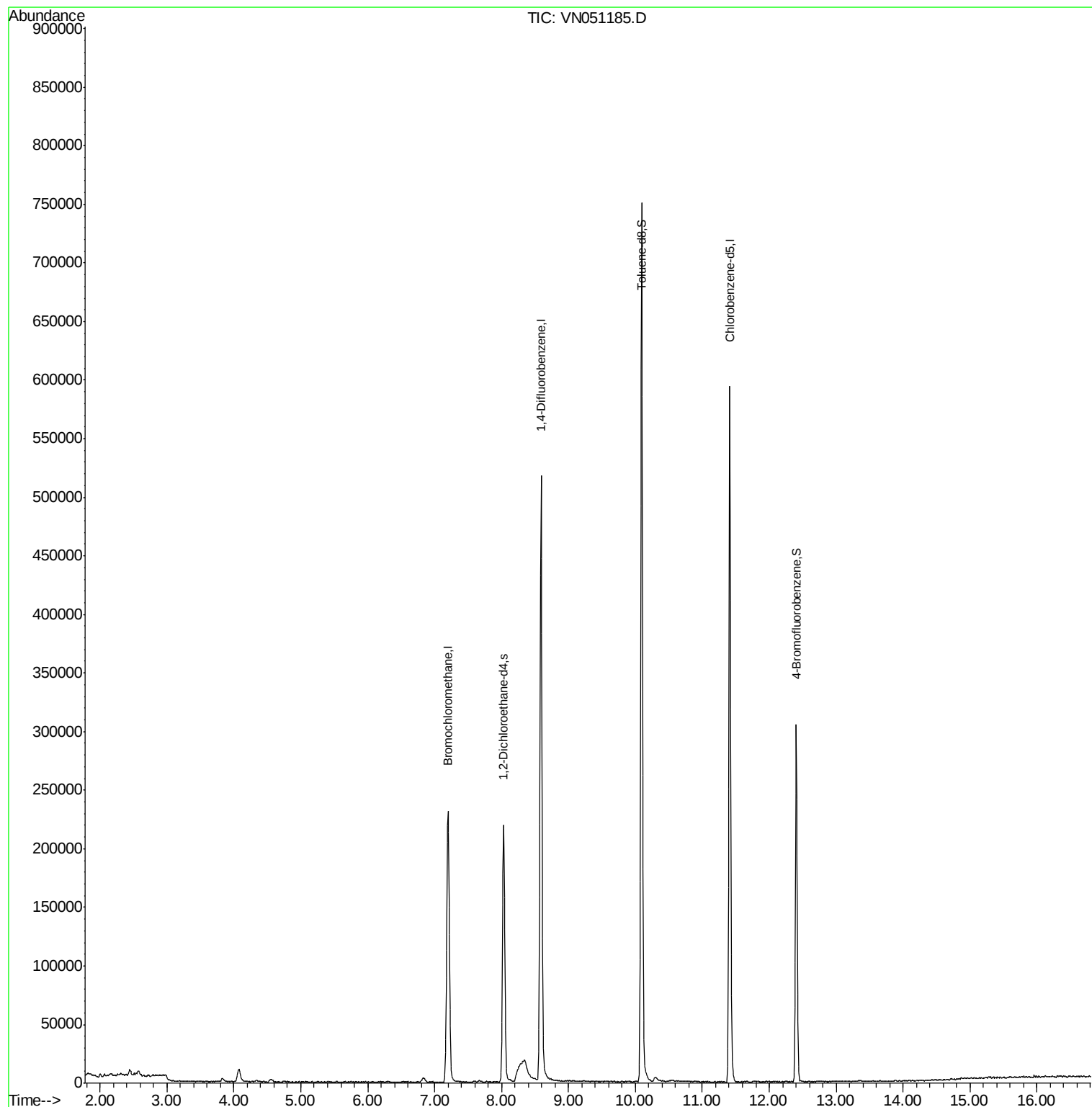
Target Compounds	Ovalue

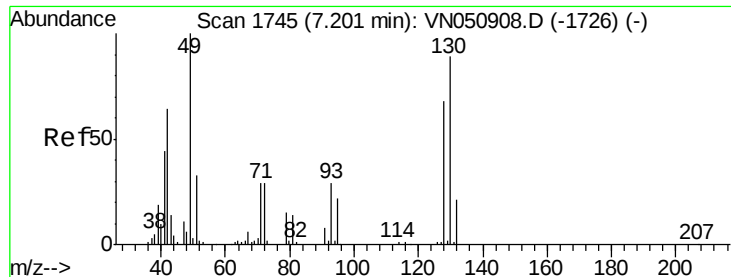
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051185.D

Acq: 14 Sep 2018 13:09

Instrument :

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ClientSampleId :

CBH-594(3)

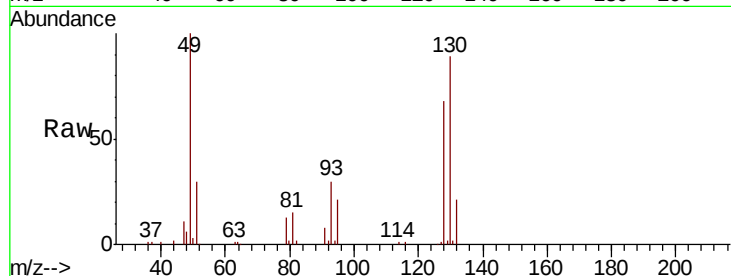
Tot Ion:128 Resp: 99161

Ion Ratio Lower Upper

128 100

49 146.8 0.0 380.3

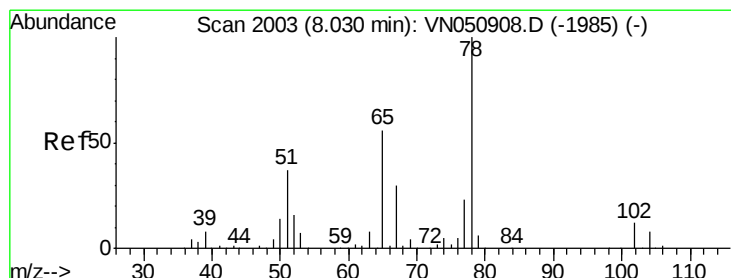
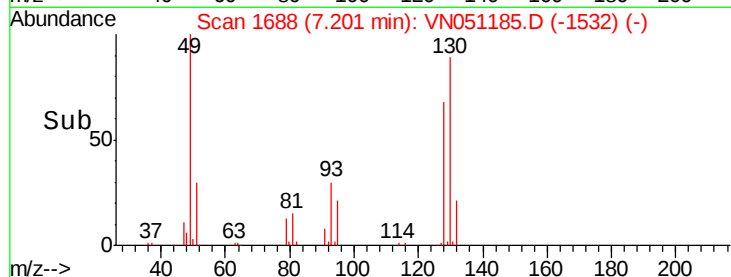
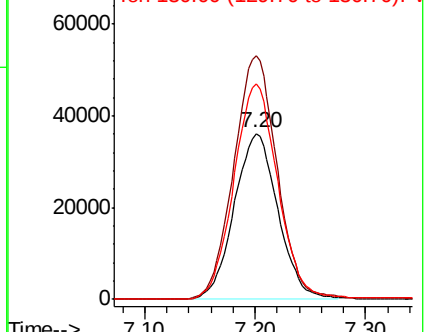
130 131.1 0.0 325.3



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: 29.70 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051185.D

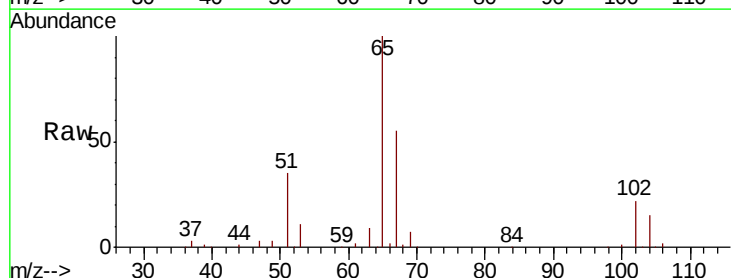
Acq: 14 Sep 2018 13:09

Tgt Ion: 65 Resp: 187960

Ion Ratio Lower Upper

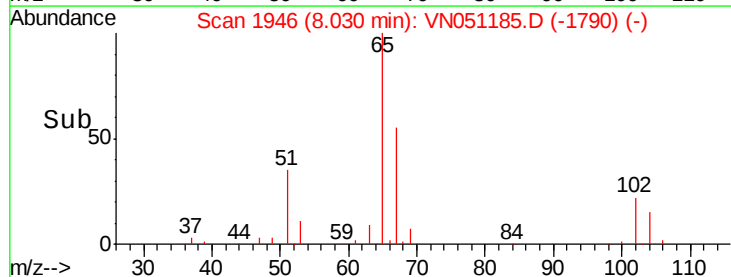
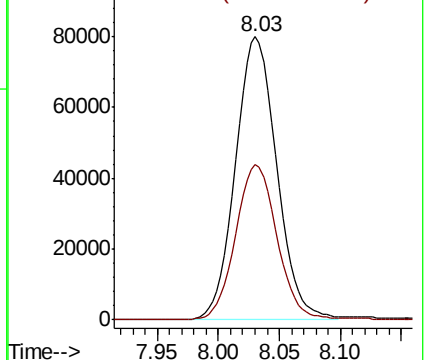
65 100

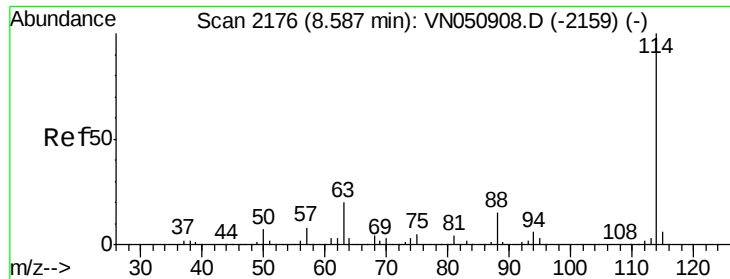
67 54.9 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

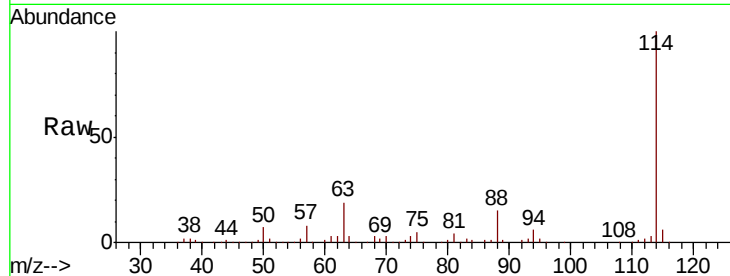




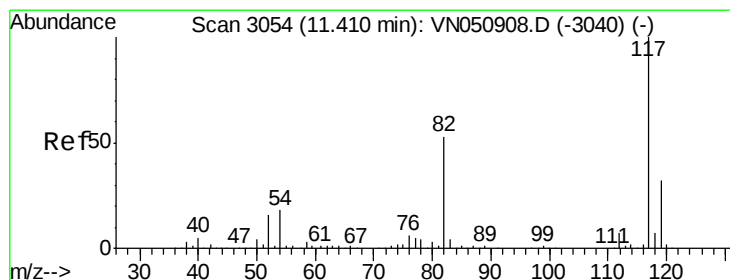
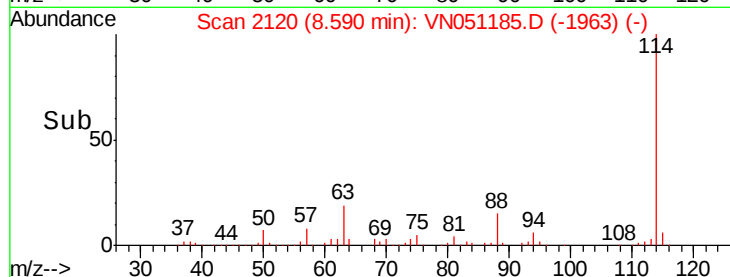
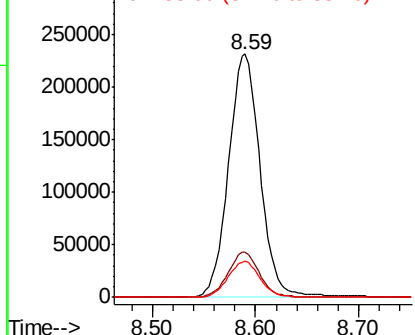
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051185.D
 Acq: 14 Sep 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-594(3)

Tot Ion:114 Resp: 493938
 Ion Ratio Lower Upper
 114 100
 63 18.5 15.6 23.4
 88 15.0 12.2 18.4

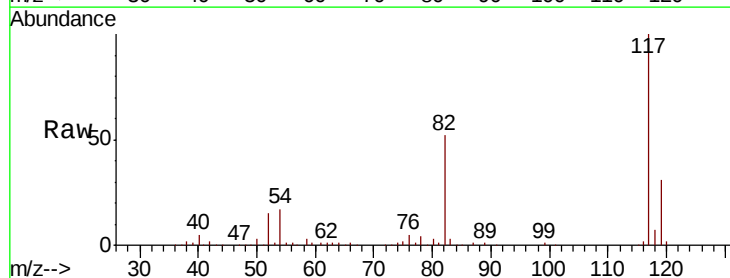


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

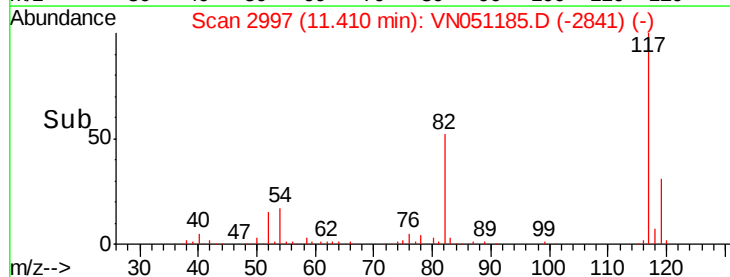
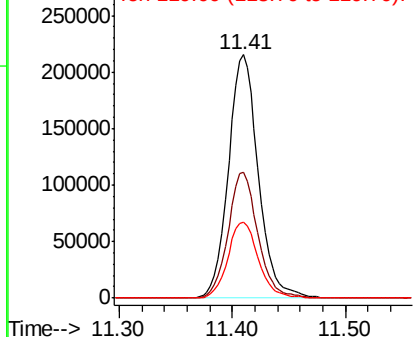


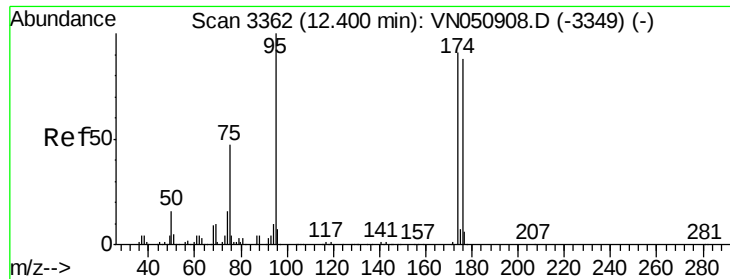
#57
 Chlorobenzene-d5
 Concen: 30.00 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN051185.D
 Acq: 14 Sep 2018 13:09

Tgt Ion:117 Resp: 395043
 Ion Ratio Lower Upper
 117 100
 82 51.5 42.6 64.0
 119 32.0 25.7 38.5



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: 19.08 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.01 min

Lab File: VN051185.D

Acq: 14 Sep 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

CBH-594(3)

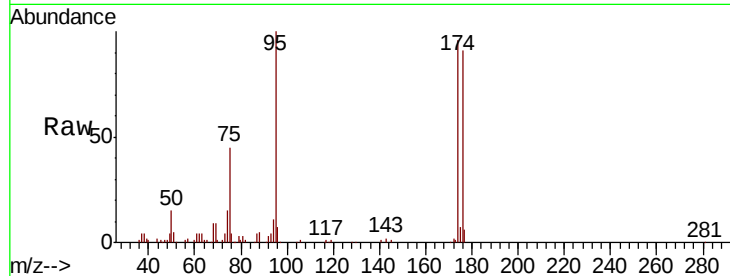
Tot Ion: 95 Resp: 112111

Ion Ratio Lower Upper

95 100

174 95.6 74.6 112.0

176 90.4 71.5 107.3

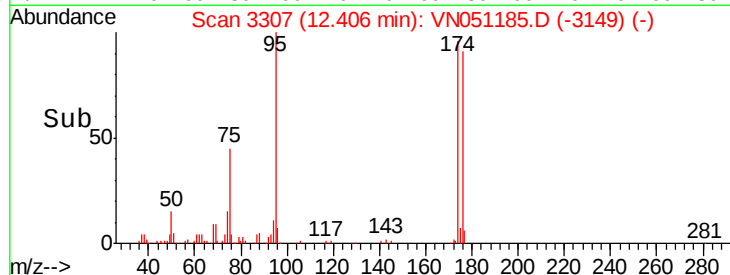


Abundance Ion 95.00 (94.70 to 95.70): VN050908.D (-3349) (-)

Ion 174.00 (173.70 to 174.70): VN050908.D (-3349) (-)

Ion 176.00 (175.70 to 176.70): VN050908.D (-3349) (-)

Time-->

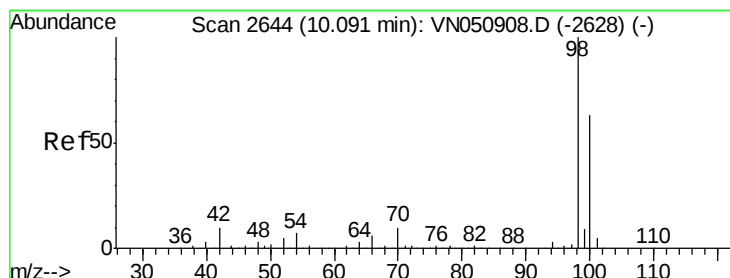


Abundance Ion 95.00 (94.70 to 95.70): VN051185.D (-3149) (-)

Ion 174.00 (173.70 to 174.70): VN051185.D (-3149) (-)

Ion 176.00 (175.70 to 176.70): VN051185.D (-3149) (-)

Time-->



#63

Toluene-d8

Concen: 30.28 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051185.D

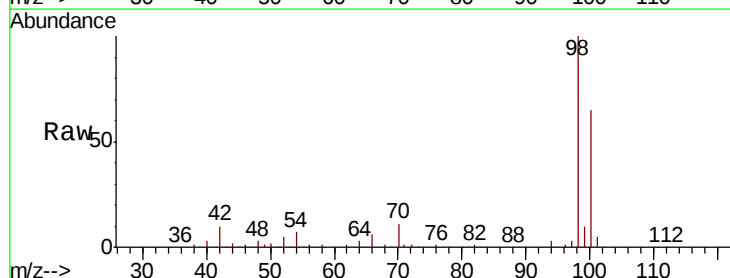
Acq: 14 Sep 2018 13:09

Tgt Ion: 98 Resp: 557869

Ion Ratio Lower Upper

98 100

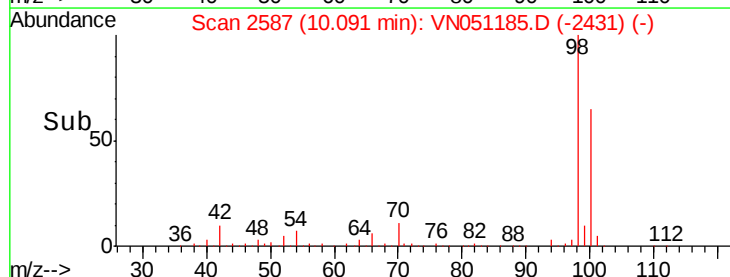
100 64.3 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN050908.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050908.D (-2628) (-)

Time-->



Abundance Ion 98.00 (97.70 to 98.70): VN051185.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN051185.D (-2431) (-)

Time-->