

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054822.D
 Acq On : 31 Mar 2019 00:51
 Operator : JC/SP
 Sample : K2164-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Mar 31 05:00:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	517613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	857662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	718031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	258887	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	351787	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	7.59	113	275337	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
50) Toluene-d8	10.09	98	1016845	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	12.40	95	312491	44.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.40%	

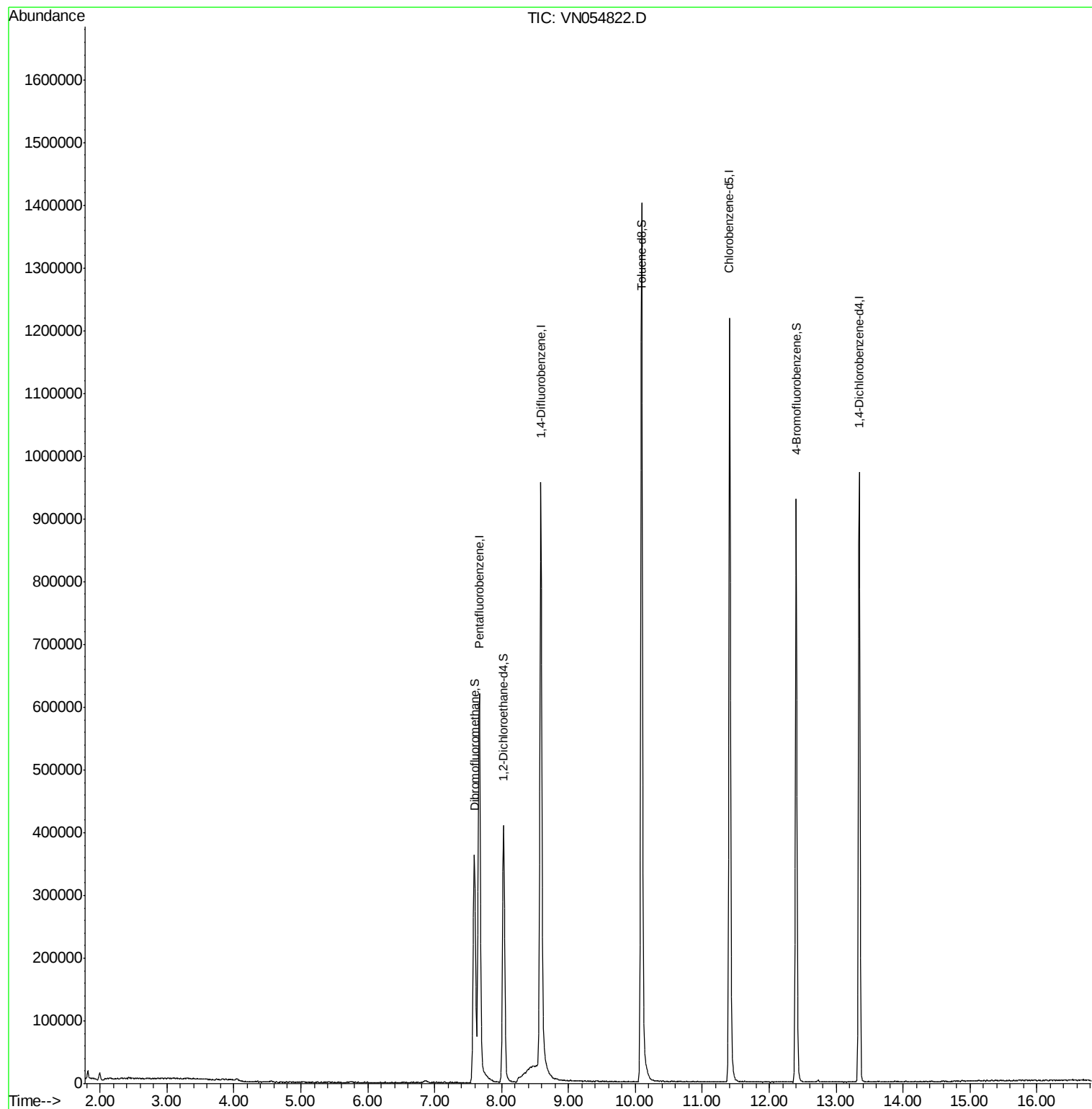
Target Compounds	Qvalue

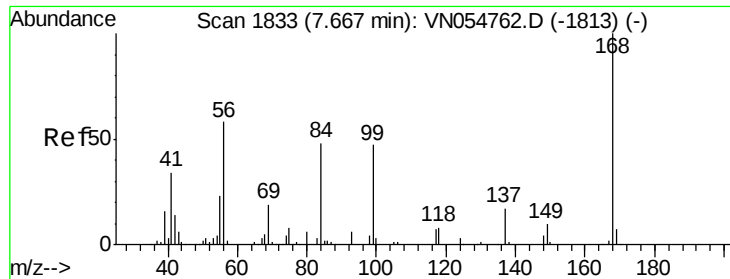
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 30 00:48:18 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054822.D

Acq: 31 Mar 2019 00:51

Instrument :

MSVOA_N

ClientSampleId :

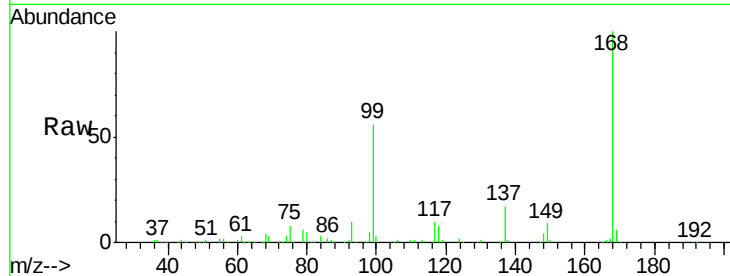
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Tot Ion:168 Resp: 517613

Ion Ratio Lower Upper

168 100

99 56.1 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

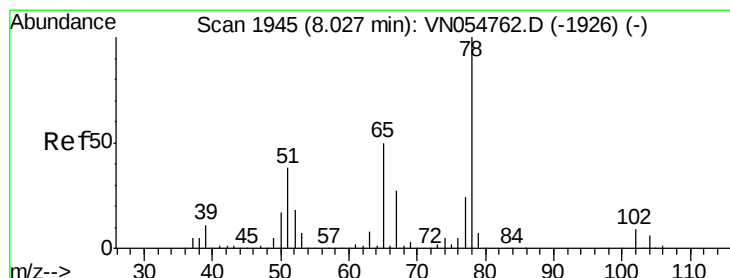
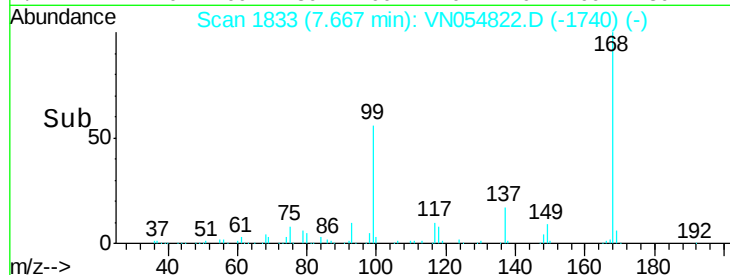
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.417 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054822.D

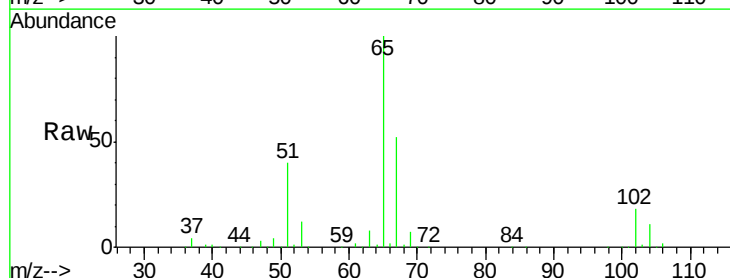
Acq: 31 Mar 2019 00:51

Tgt Ion: 65 Resp: 351787

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

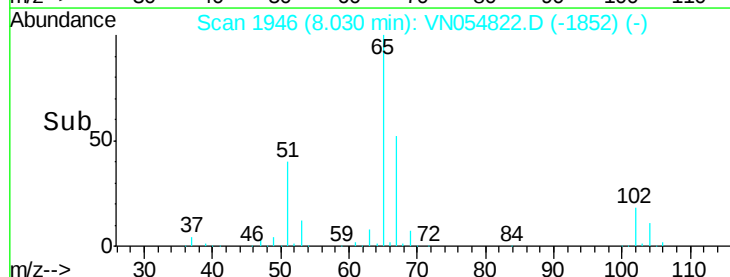
150000

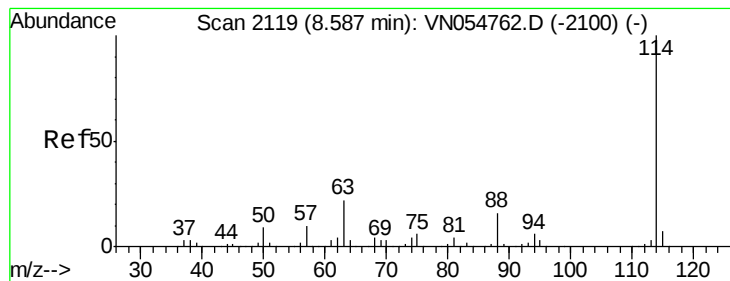
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054822.D

Acq: 31 Mar 2019 00:51

Instrument :

MSVOA_N

ClientSampleId :

FIELD-BLANK

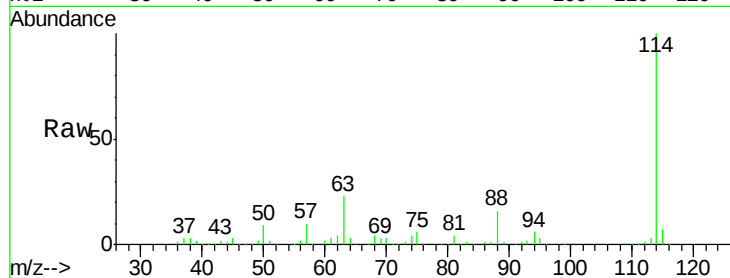
Tot Ion:114 Resp: 857662

Ion Ratio Lower Upper

114 100

63 22.6 0.0 35.2

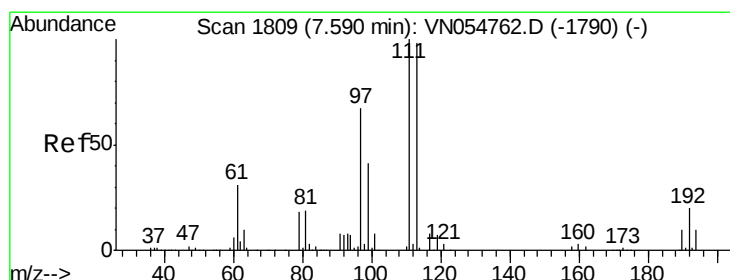
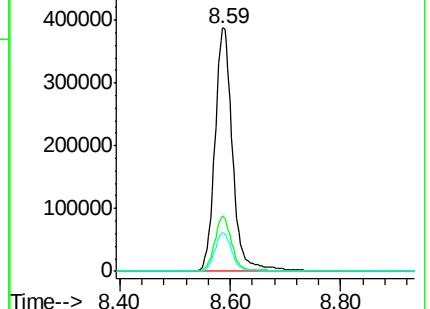
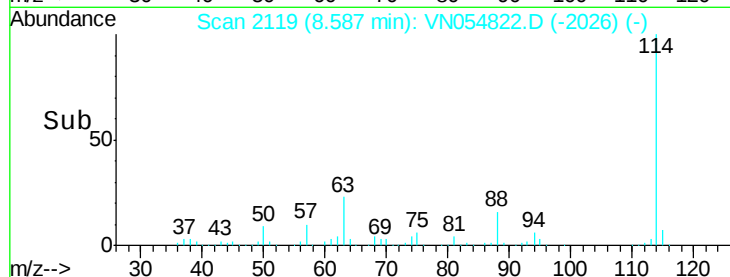
88 16.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.153 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054822.D

Acq: 31 Mar 2019 00:51

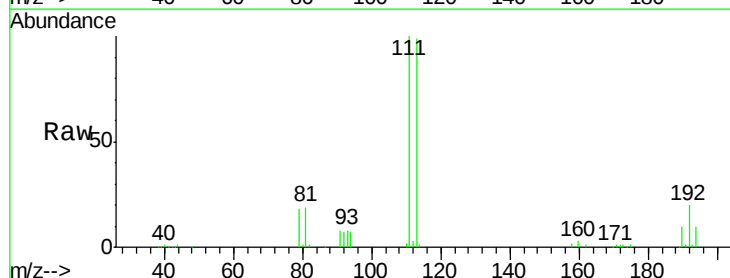
Tgt Ion:113 Resp: 275337

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

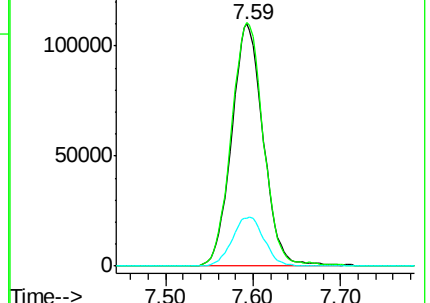
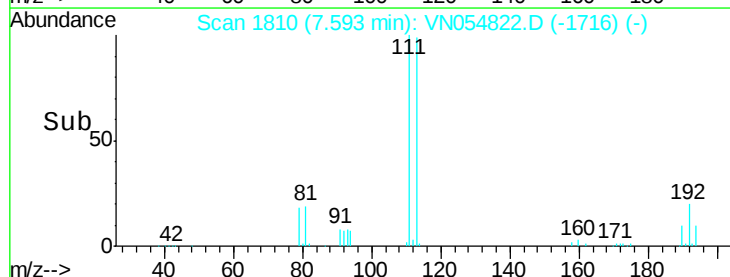
192 20.5 19.2 28.8

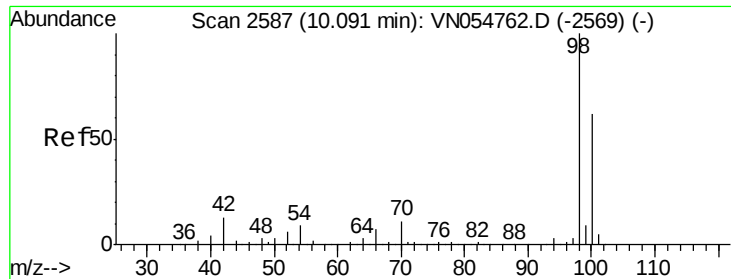


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.833 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054822.D

Acq: 31 Mar 2019 00:51

Instrument :

MSVOA_N

ClientSampled :

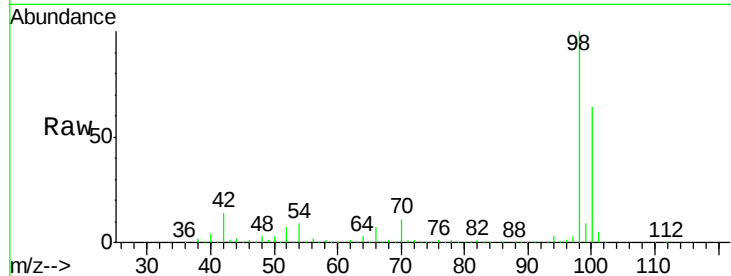
FIELD-BLANK

Tot Ion: 98 Resp: 1016845

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)

10.09

600000

500000

400000

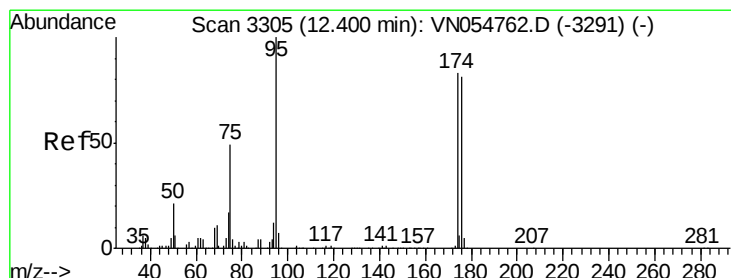
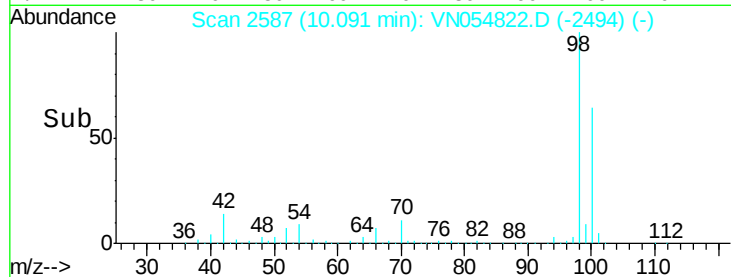
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.200 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054822.D

Acq: 31 Mar 2019 00:51

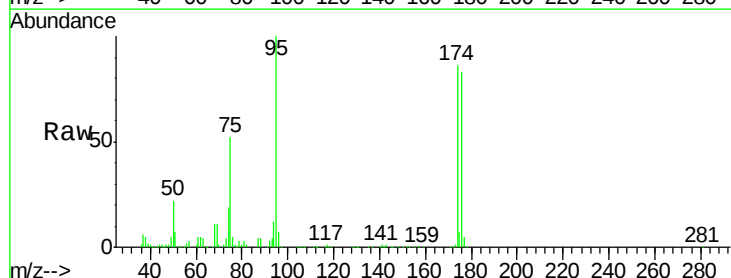
Tgt Ion: 95 Resp: 312491

Ion Ratio Lower Upper

95 100

174 84.6 0.0 191.0

176 80.9 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054762.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054762.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054762.D (-3291) (-)

12.40

250000

200000

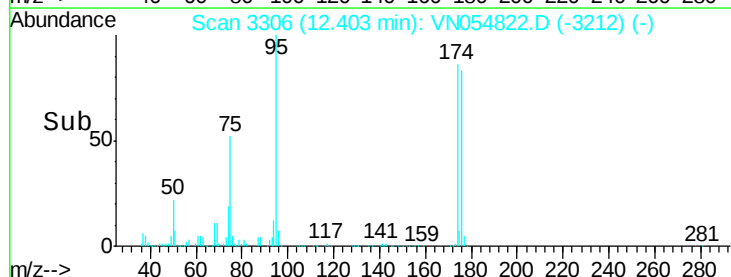
150000

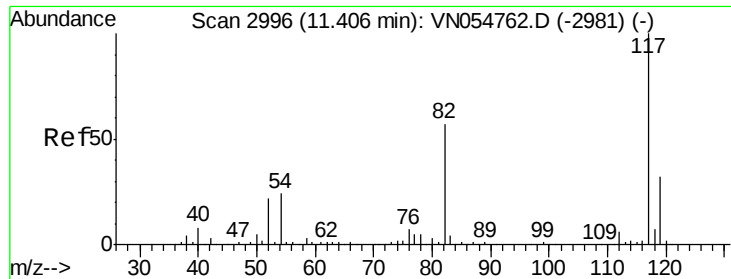
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054822.D

Acq: 31 Mar 2019 00:51

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

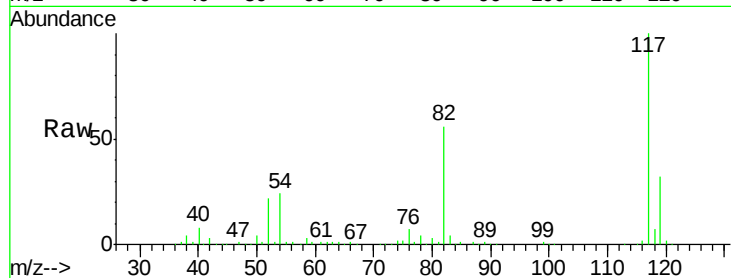
Tot Ion:117 Resp: 718031

Ion Ratio Lower Upper

117 100

82 56.3 40.0 60.0

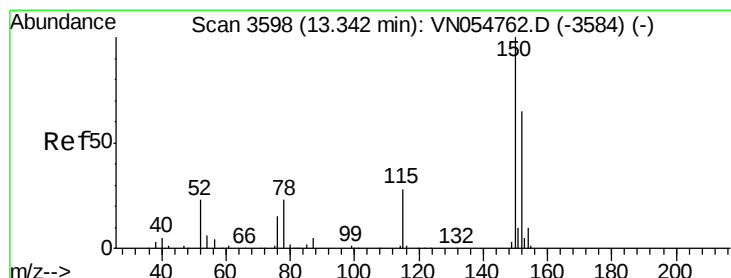
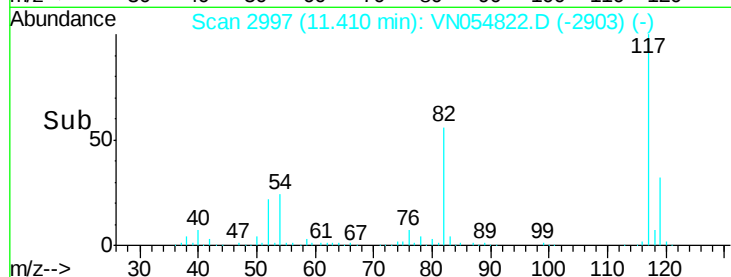
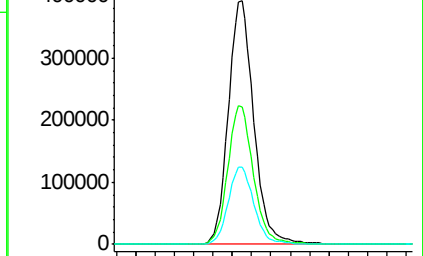
119 31.5 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054822.D

Acq: 31 Mar 2019 00:51

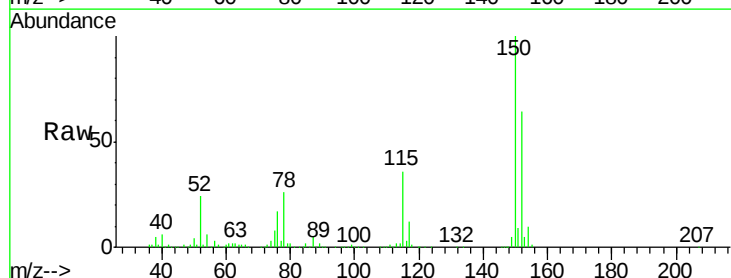
Tgt Ion:152 Resp: 258887

Ion Ratio Lower Upper

152 100

115 57.9 27.2 81.6

150 157.4 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

