

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
 Data File : VN053159.D
 Acq On : 23 Dec 2018 3:53
 Operator : MD\SY
 Sample : J6446-12ME 10X
 Misc : 3.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 39 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS022-0006-01ME

Quant Time: Dec 24 06:04:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

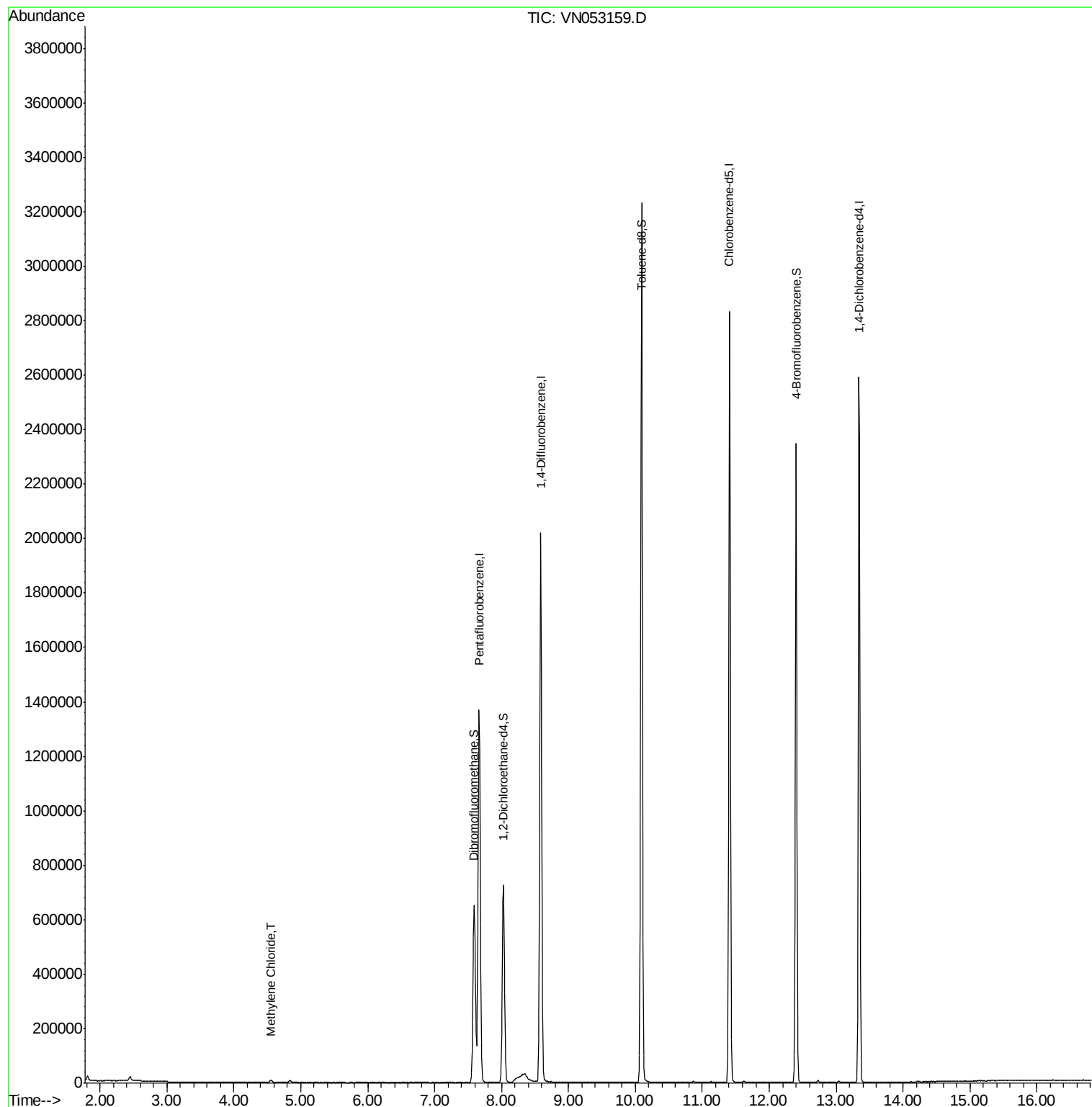
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1228228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1904171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1745693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	749998	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	604501	48.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.00%	
35) Dibromofluoromethane	7.59	113	513505	59.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.08%	
50) Toluene-d8	10.09	98	2321658	49.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.40	95	811610	49.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.02%	
Target Compounds						
20) Methylene Chloride	4.55	84	6378	0.478	ug/l #	Qvalue 90

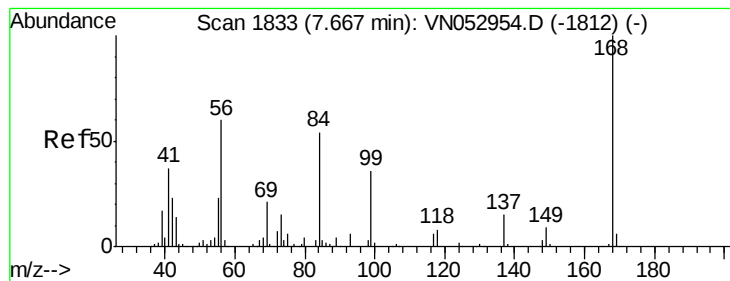
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053159.D

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Instrument :

MSVOA_N

ClientSampleId :

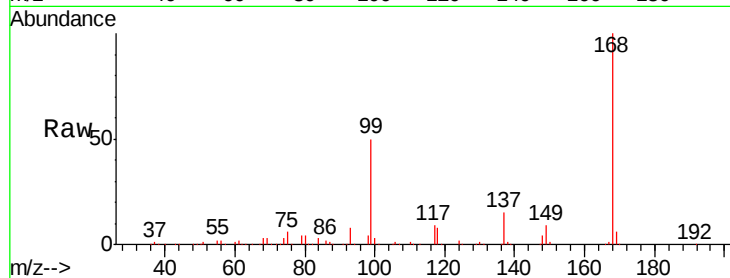
P001-SS022-0006-01ME

Tgt Ion:168 Resp: 1228228

Ion Ratio Lower Upper

168 100

99 49.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053159.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053159.D (-1740) (-)

600000

500000

400000

300000

200000

100000

0

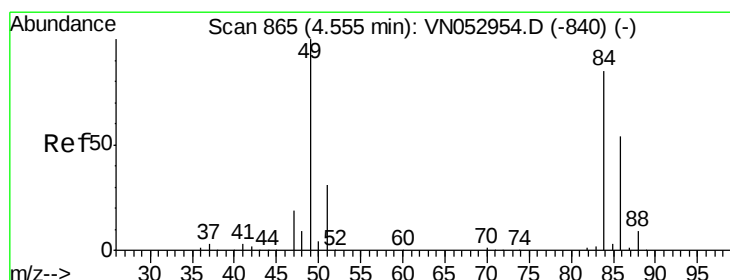
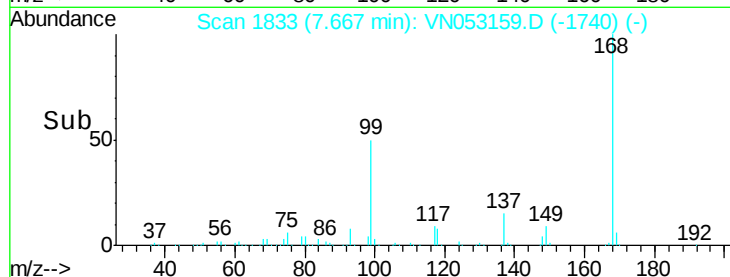
7.67

7.60

7.70

7.80

Time-->



#20

Methylene Chloride

Concen: 0.478 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN053159.D

Acq: 23 Dec 2018 3:53

Tgt Ion: 84 Resp: 6378

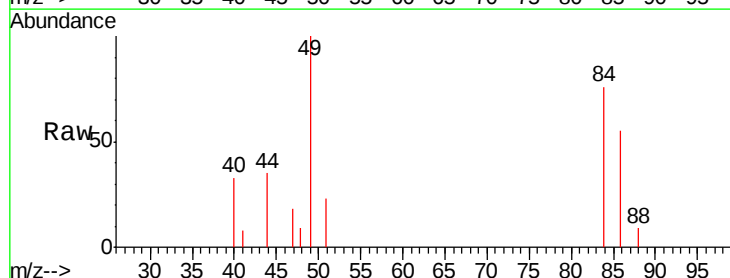
Ion Ratio Lower Upper

84 100

49 130.9 96.8 145.2

51 29.5 29.9 44.9#

86 71.6 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VN053159.D (-772) (-)

Ion 48.90 (48.60 to 49.60): VN053159.D (-772) (-)

Ion 50.90 (50.60 to 51.60): VN053159.D (-772) (-)

Ion 85.90 (85.60 to 86.60): VN053159.D (-772) (-)

4000

3000

2000

1000

0

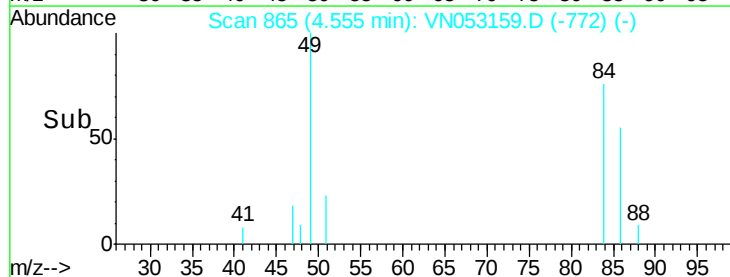
4.55

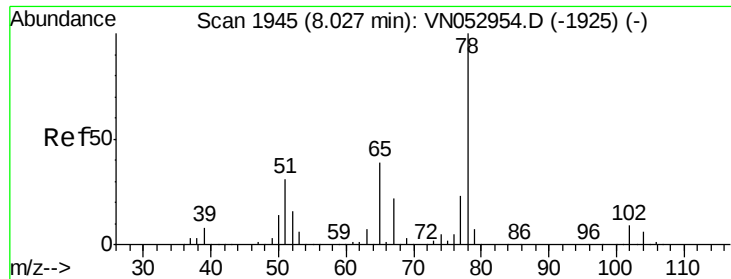
4.50

4.60

4.65

Time-->





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053159.D

Acq: 23 Dec 2018 3:53

Instrument :

MSVOA_N

ClientSampleId :

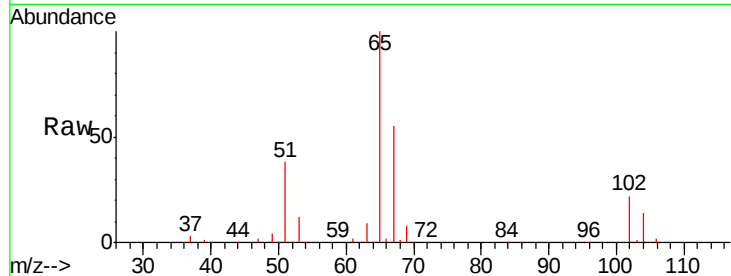
P001-SS022-0006-01ME

Tgt Ion: 65 Resp: 604501

Ion Ratio Lower Upper

65 100

67 55.0 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN053159.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053159.D (-1852) (-)

8.03

250000

200000

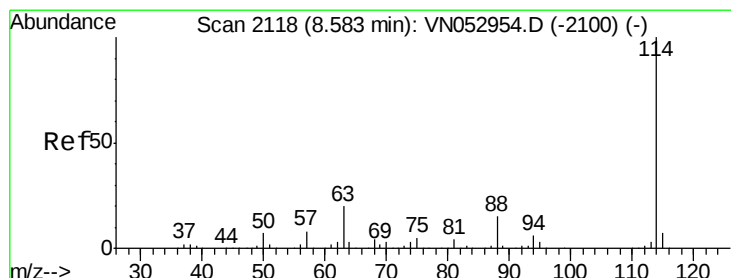
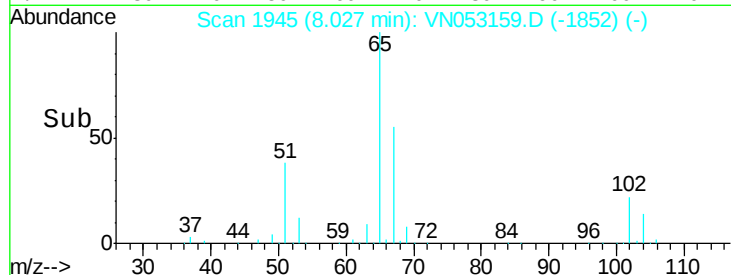
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053159.D

Acq: 23 Dec 2018 3:53

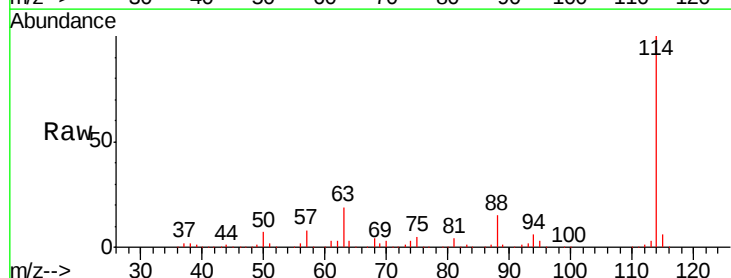
Tgt Ion: 114 Resp: 1904171

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

88 15.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN053159.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN053159.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN053159.D (-2025) (-)

8.59

1200000

1000000

800000

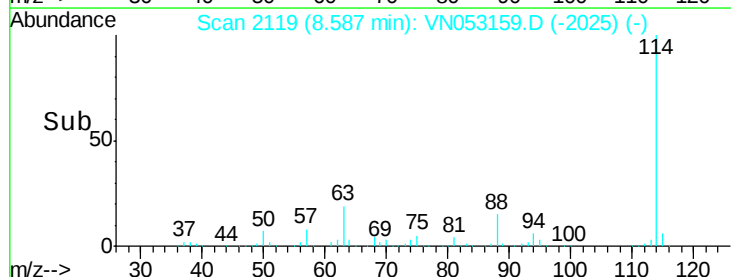
600000

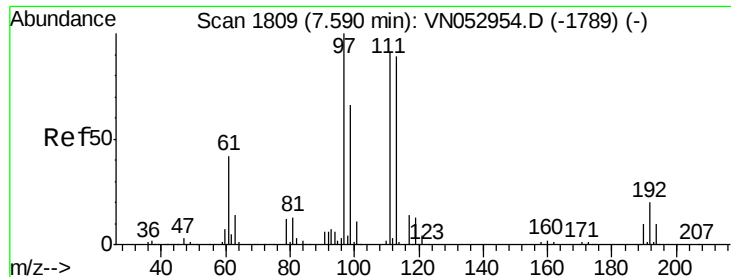
400000

200000

0

Time--> 8.50 8.60 8.70 8.80

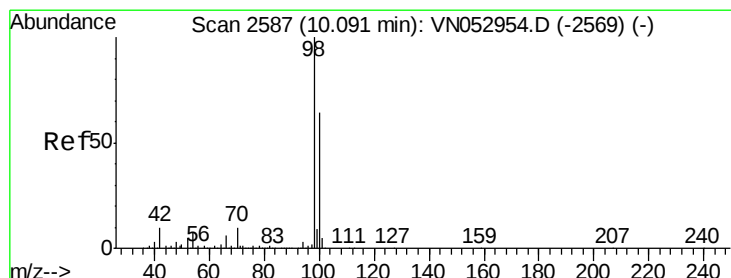
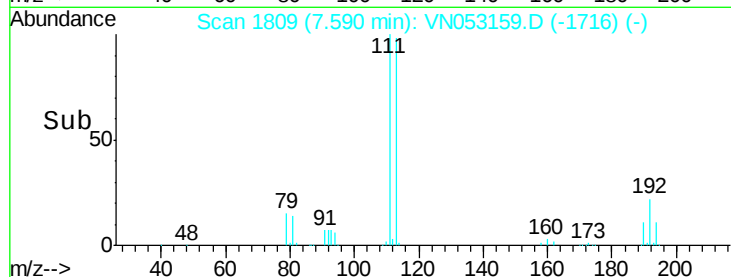
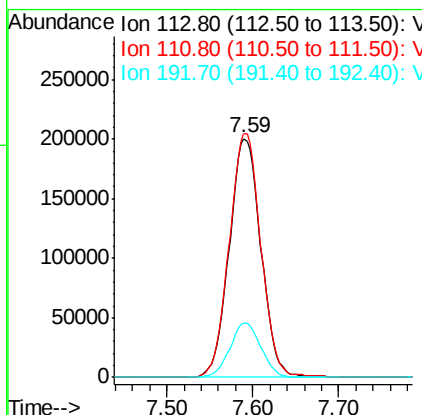
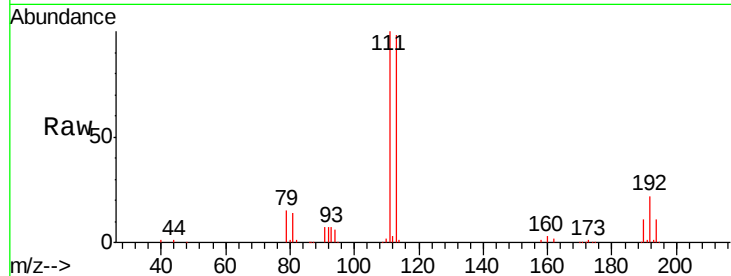




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053159.D
 Acq: 23 Dec 2018 3:53

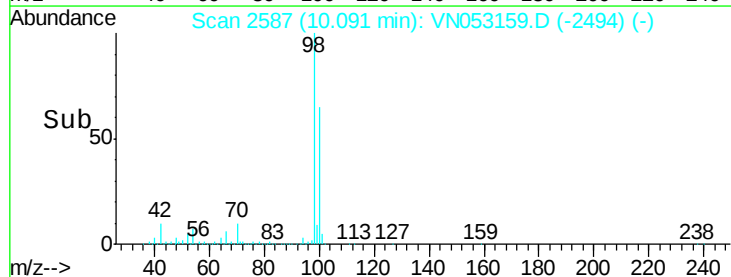
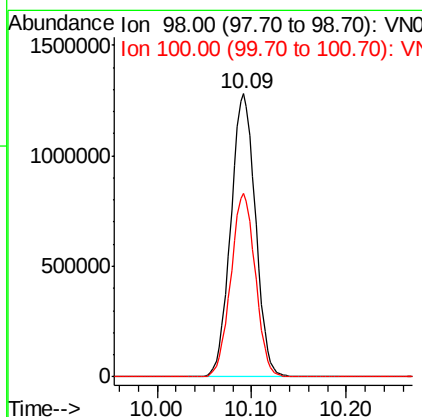
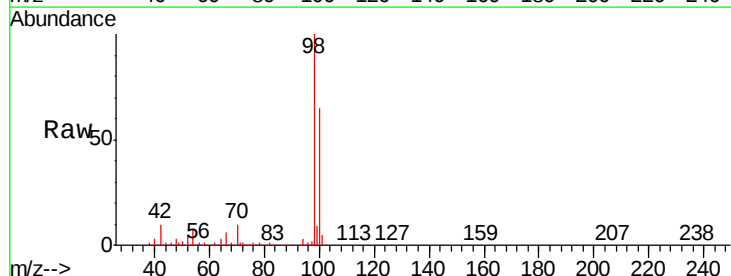
Instrument :
 MSVOA_N
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 P001-SS022-0006-01ME

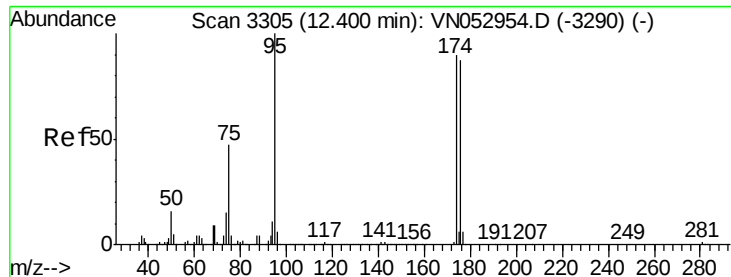
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.4
192	22.3	17.5	26.3



#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053159.D
 Acq: 23 Dec 2018 3:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053159.D

Acq: 23 Dec 2018 3:53

Instrument :

MSVOA_N

ClientSampleId :

P001-SS022-0006-01ME

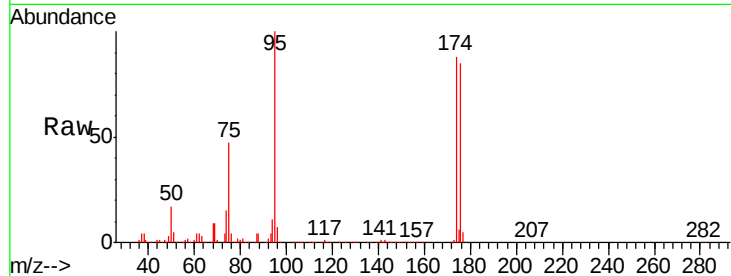
Tgt Ion: 95 Resp: 811610

Ion Ratio Lower Upper

95 100

174 89.2 0.0 178.8

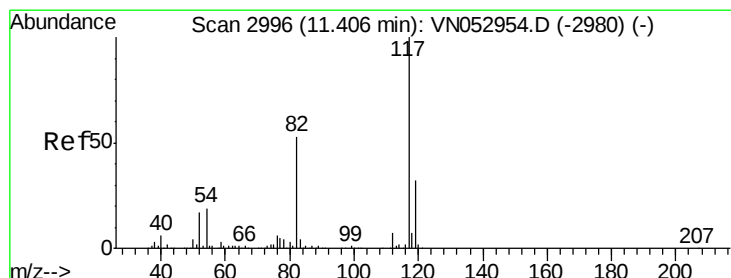
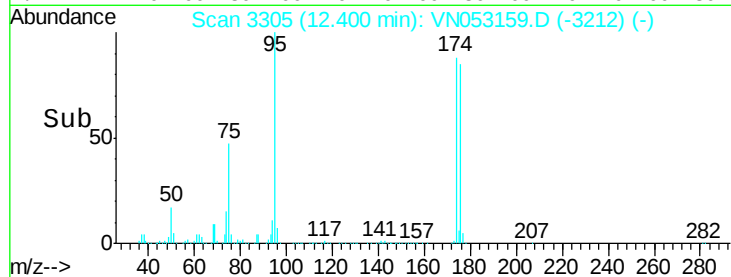
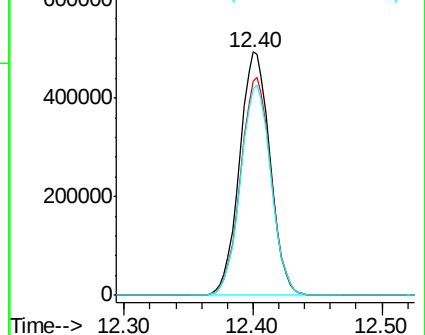
176 86.5 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053159.D

Acq: 23 Dec 2018 3:53

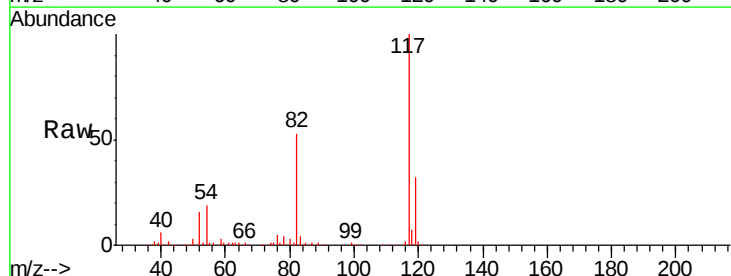
Tgt Ion: 117 Resp: 1745693

Ion Ratio Lower Upper

117 100

82 52.8 42.8 64.2

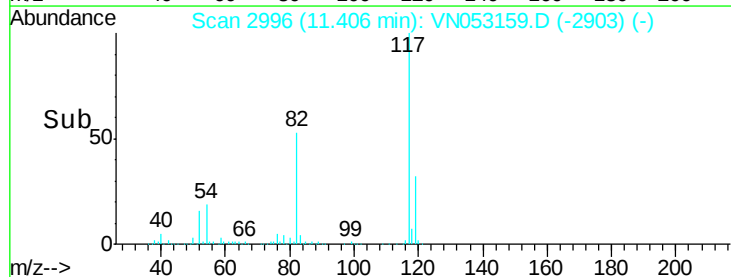
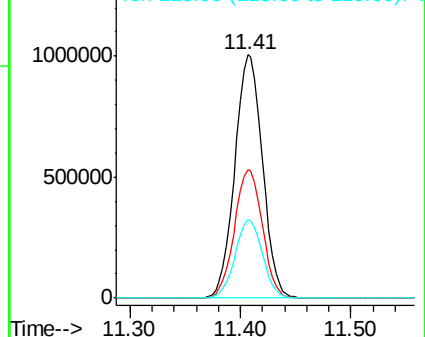
119 32.2 25.5 38.3

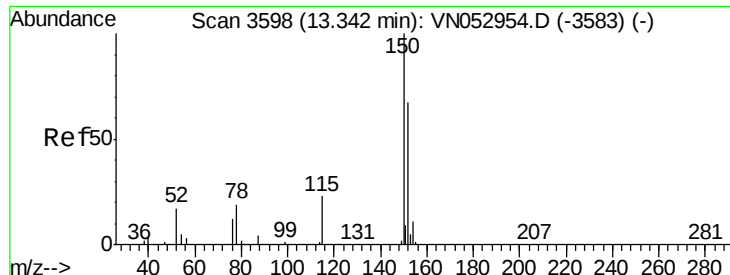


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053159.D

Acq: 23 Dec 2018 3:53

Instrument :

MSVOA_N

ClientSampleId :

P001-SS022-0006-01ME

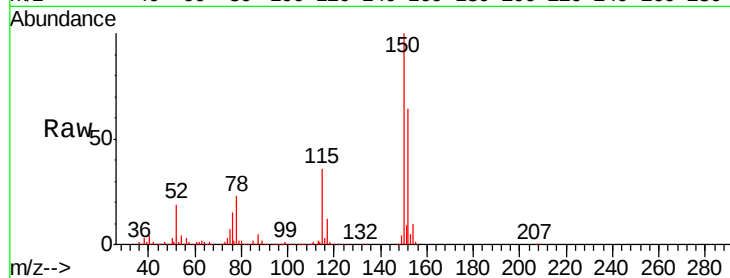
Tgt Ion:152 Resp: 749998

Ion Ratio Lower Upper

152 100

115 56.4 28.3 85.0

150 156.5 0.0 347.8



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

