

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
 Data File : VN054851.D
 Acq On : 31 Mar 2019 15:32
 Operator : JC/SP
 Sample : K2179-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8D

Quant Time: Apr 01 03:26:24 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

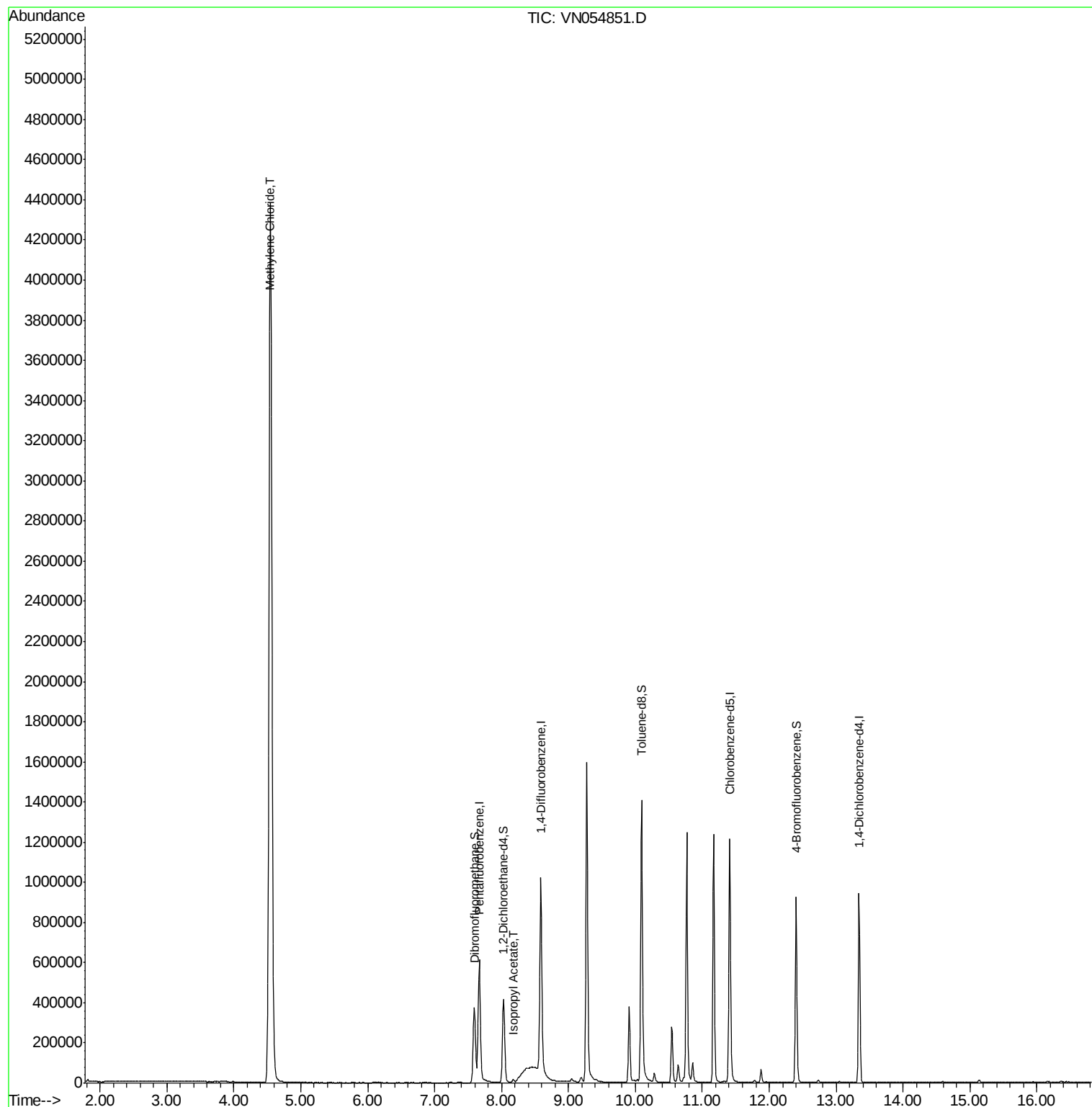
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	519731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	869638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	727243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	250671	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	356141	50.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.66%	
35) Dibromofluoromethane	7.59	113	277165	47.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.62%	
50) Toluene-d8	10.09	98	1033248	47.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.88%	
62) 4-Bromofluorobenzene	12.40	95	313057	43.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.34%	
Target Compounds						
20) Methylene Chloride	4.55	84	3037475	515.414	ug/l #	82
43) Isopropyl Acetate	8.17	43	18050	1.869	ug/l #	95

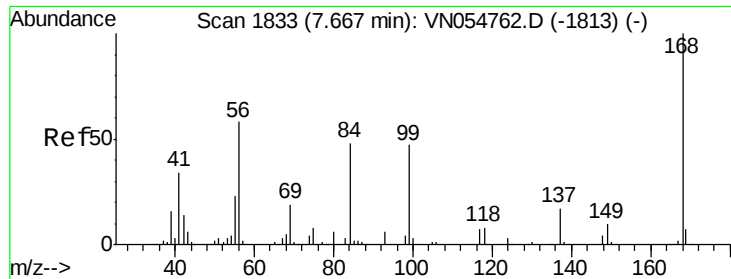
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054851.D

Acq: 31 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampled :

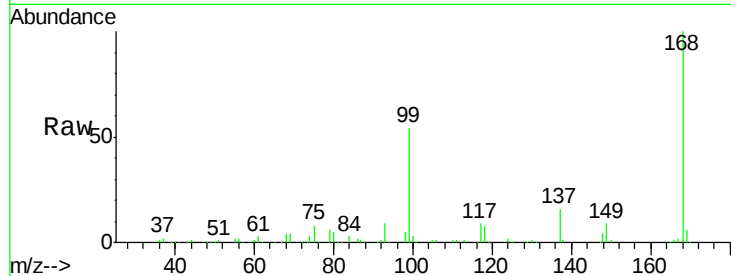
TP-8D

Tgt Ion:168 Resp: 519731

Ion Ratio Lower Upper

168 100

99 53.7 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

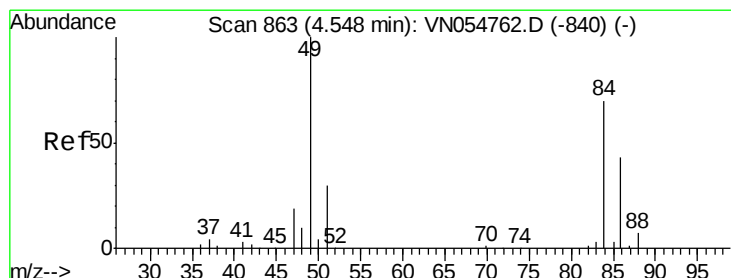
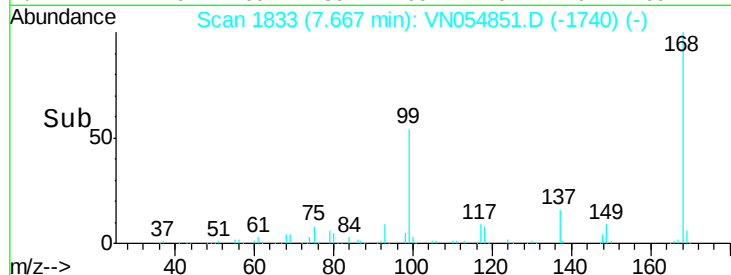
100000

50000

0

Time-->

7.60 7.70 7.80



#20

Methylene Chloride

Concen: 515.414 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054851.D

Acq: 31 Mar 2019 15:32

Tgt Ion: 84 Resp: 3037475

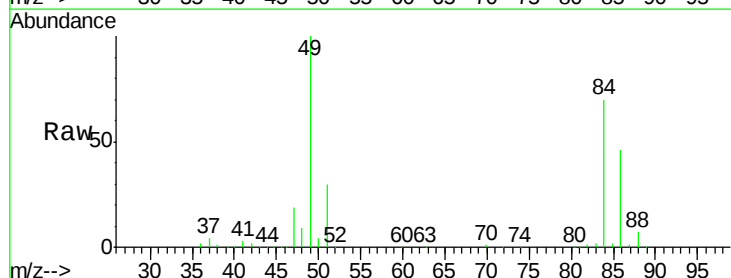
Ion Ratio Lower Upper

84 100

49 143.1 89.7 134.5#

51 43.5 28.2 42.4#

86 65.1 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

2000000

1500000

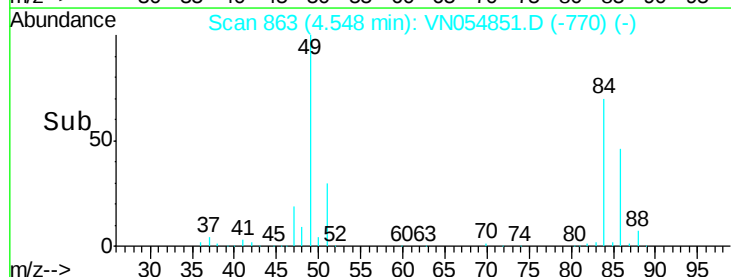
1000000

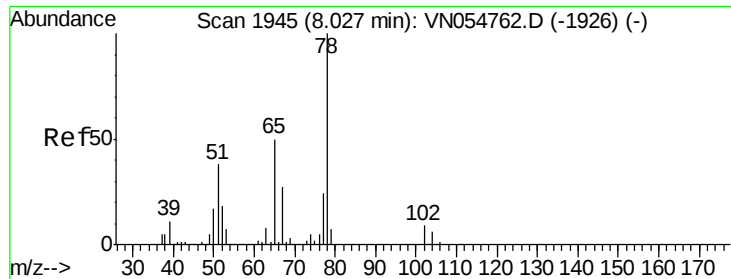
500000

0

Time-->

4.40 4.50 4.60 4.70





#33

1,2-Dichloroethane-d4

Concen: 50.833 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054851.D

Acq: 31 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

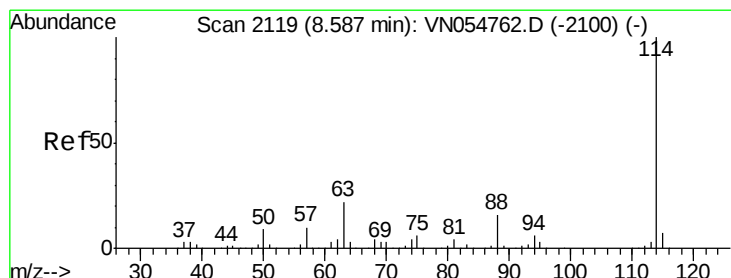
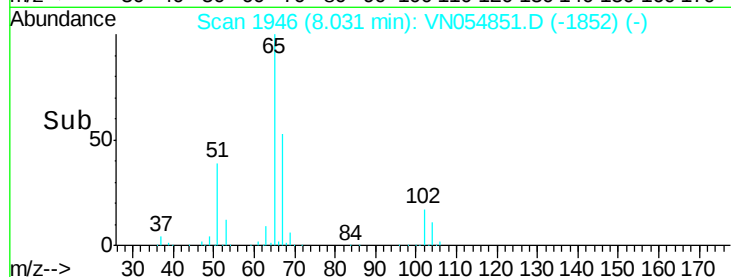
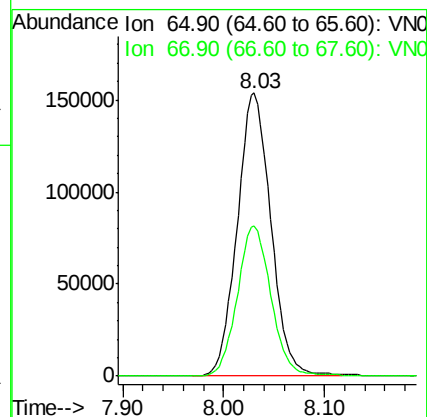
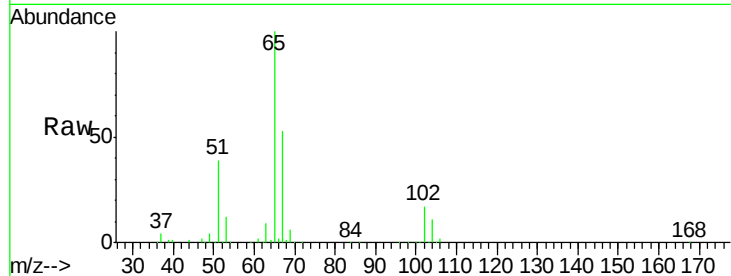
TP-8D

Tgt Ion: 65 Resp: 356141

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054851.D

Acq: 31 Mar 2019 15:32

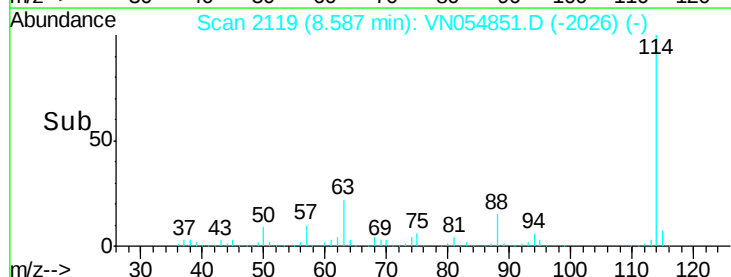
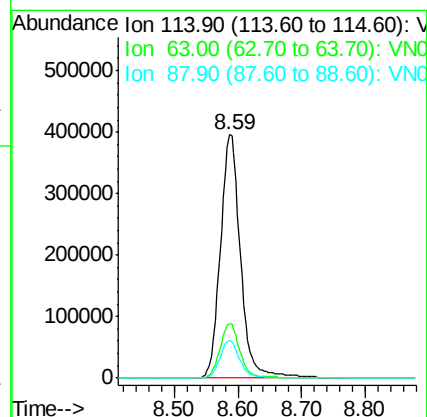
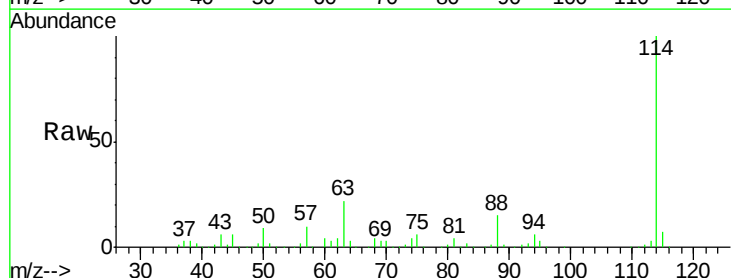
Tgt Ion: 114 Resp: 869638

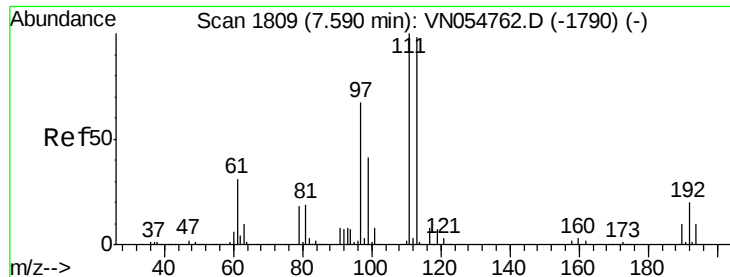
Ion Ratio Lower Upper

114 100

63 22.5 0.0 35.2

88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 47.805 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054851.D

Acq: 31 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampled :

TP-8D

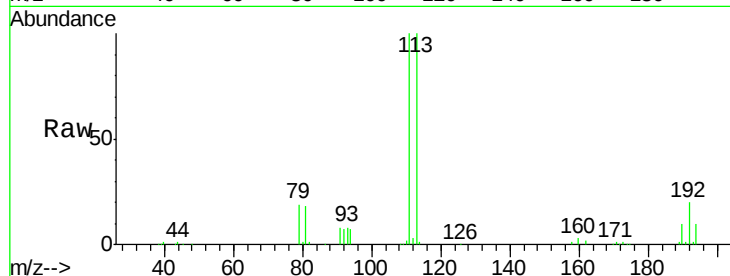
Tgt Ion: 113 Resp: 277165

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

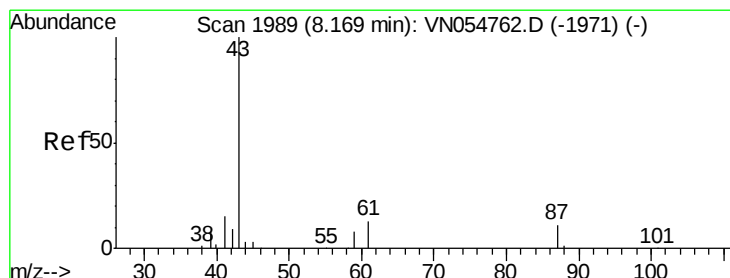
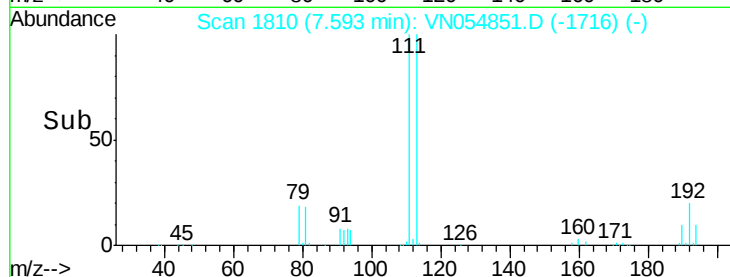
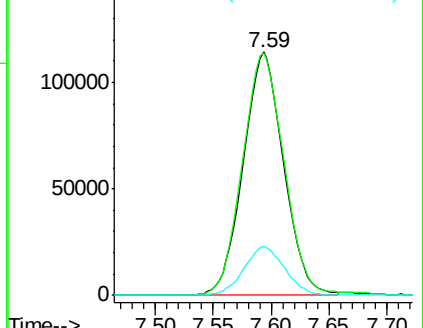
192 20.3 19.2 28.8



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



#43

Isopropyl Acetate

Concen: 1.869 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054851.D

Acq: 31 Mar 2019 15:32

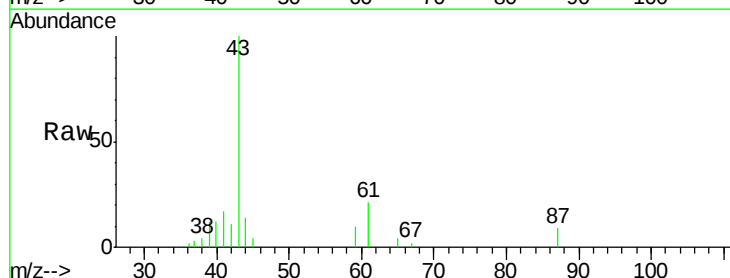
Tgt Ion: 43 Resp: 18050

Ion Ratio Lower Upper

43 100

61 20.0 15.8 23.8

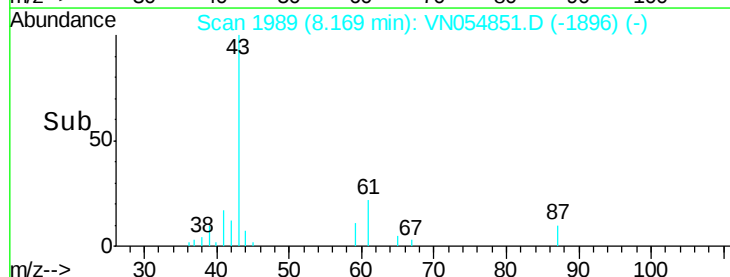
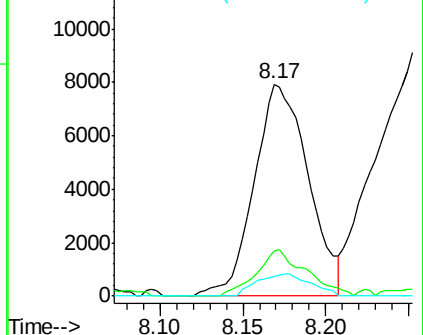
87 10.2 12.0 18.0#

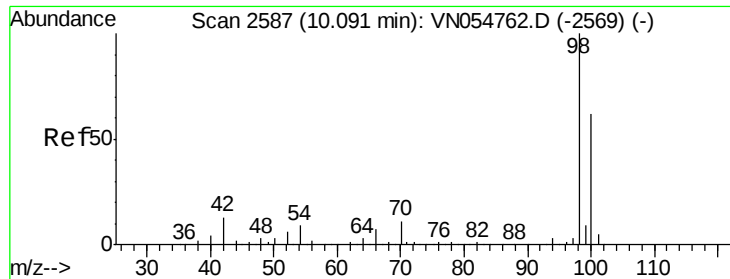


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 47.935 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054851.D

Acq: 31 Mar 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

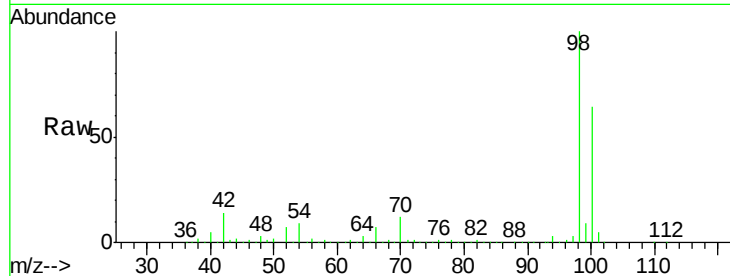
TP-8D

Tgt Ion: 98 Resp: 1033248

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

600000

500000

400000

300000

200000

100000

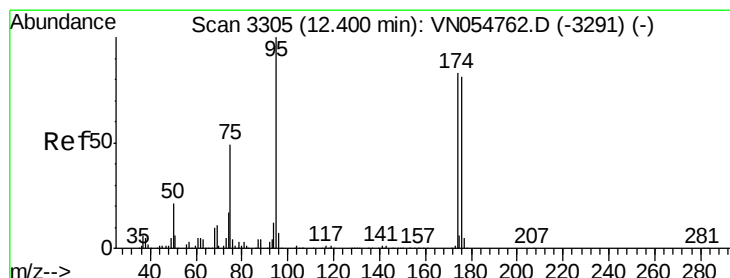
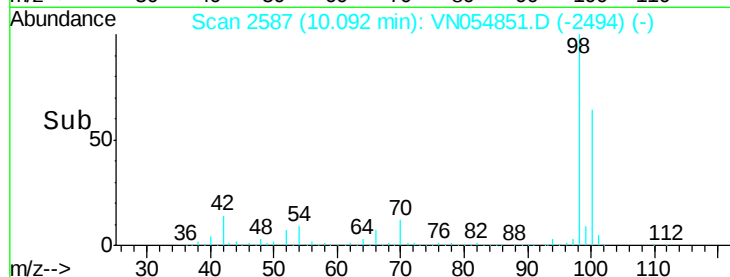
0

10.09

10.00

10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 43.670 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054851.D

Acq: 31 Mar 2019 15:32

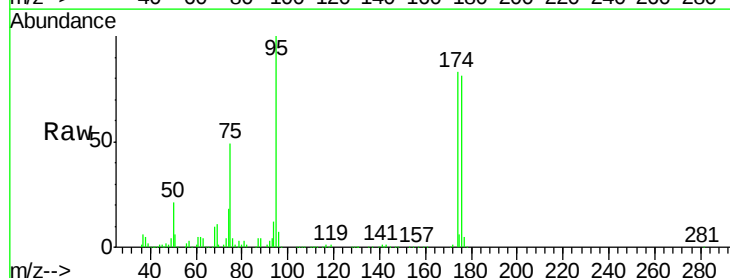
Tgt Ion: 95 Resp: 313057

Ion Ratio Lower Upper

95 100

174 82.8 0.0 191.0

176 81.0 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

100000

50000

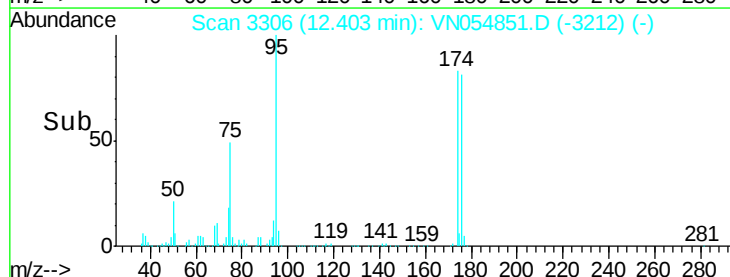
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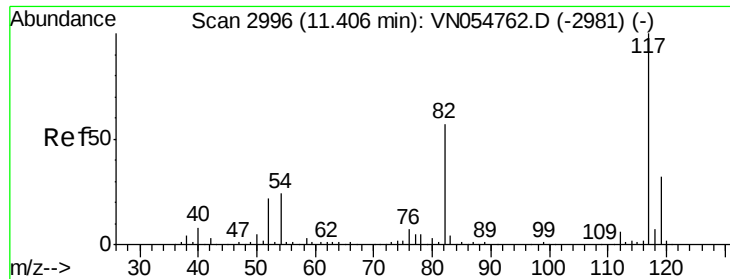
12.40

12.30

12.50

Time-->

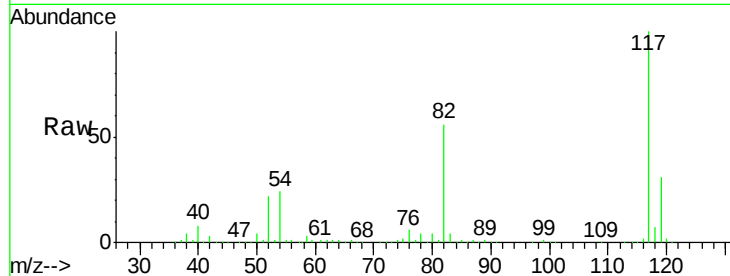




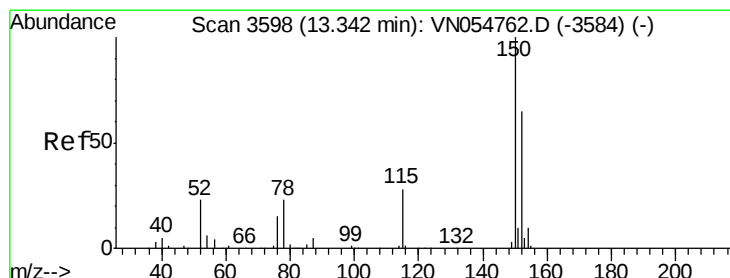
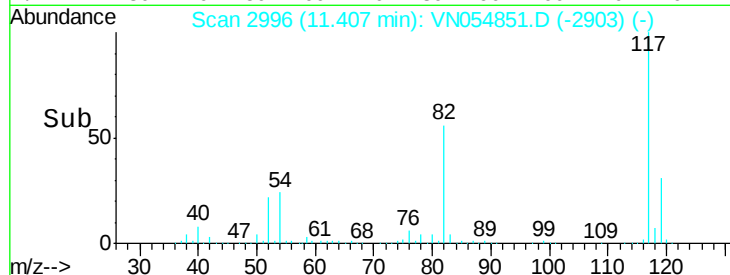
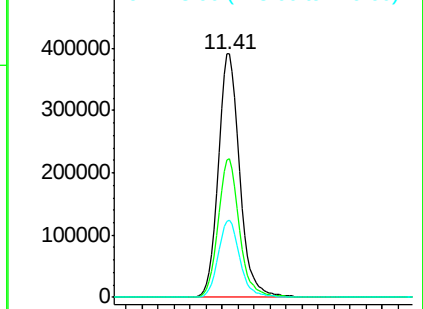
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054851.D
Acq: 31 Mar 2019 15:32

Instrument :
MSVOA_N
ClientSampled :
TP-8D

Tgt Ion:117 Resp: 727243
Ion Ratio Lower Upper
117 100
82 56.3 40.0 60.0
119 31.4 25.8 38.6

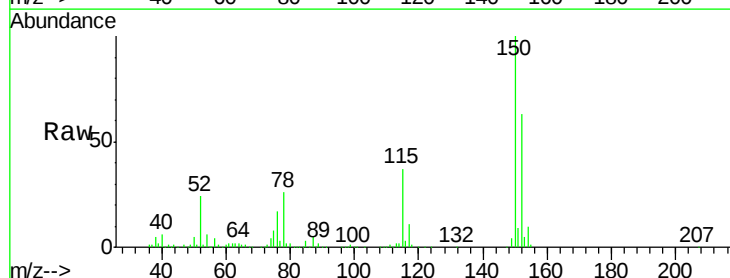


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054851.D
Acq: 31 Mar 2019 15:32

Tgt Ion:152 Resp: 250671
Ion Ratio Lower Upper
152 100
115 59.2 27.2 81.6
150 158.3 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

