

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
 Data File : VN054313.D
 Acq On : 15 Mar 2019 16:53
 Operator : JC/SP
 Sample : K1894-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW11-GW

Quant Time: Mar 16 04:04:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

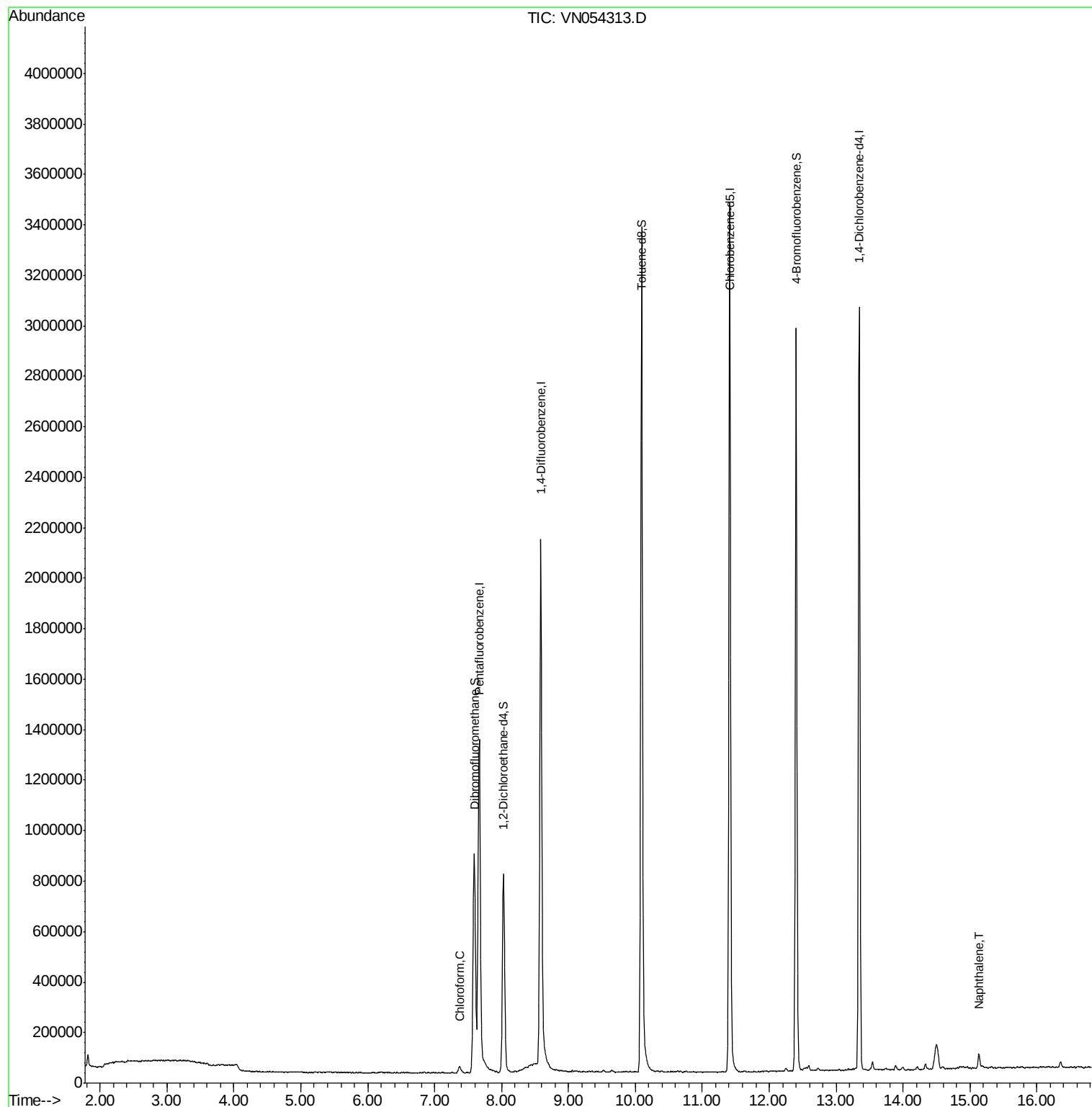
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1301605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2183866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2297911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	907085	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	690733	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	
35) Dibromofluoromethane	7.59	113	670837	47.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.26%	
50) Toluene-d8	10.09	98	2697268	51.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.40	95	1007001	55.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.66%	
Target Compounds						
30) Chloroform	7.37	83	28464	1.227	ug/l	99
95) Naphthalene	15.13	128	54442	4.743	ug/l	98

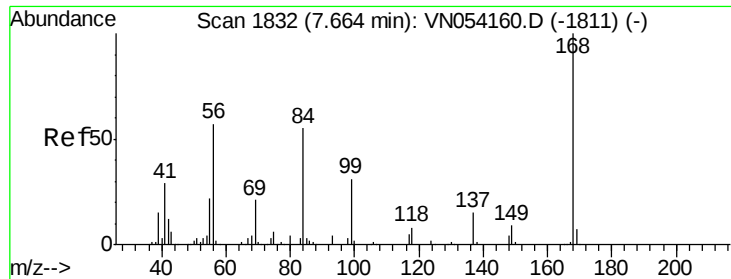
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054313.D

Acq: 15 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

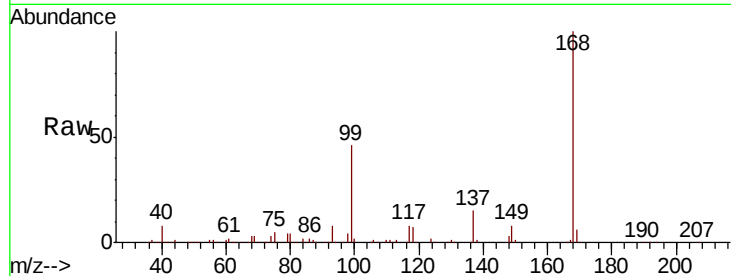
RFK-RMAB-MW11-GW

Tgt Ion:168 Resp: 1301605

Ion Ratio Lower Upper

168 100

99 46.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054313.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN054313.D (-1739) (-)

7.67

600000

500000

400000

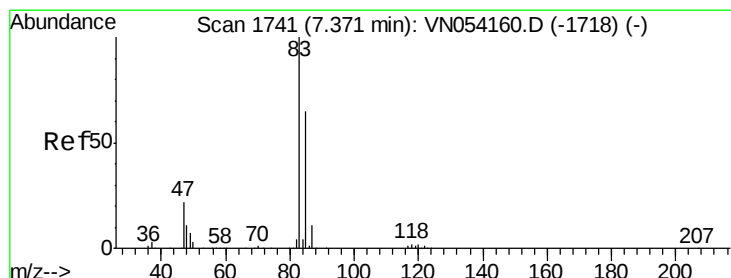
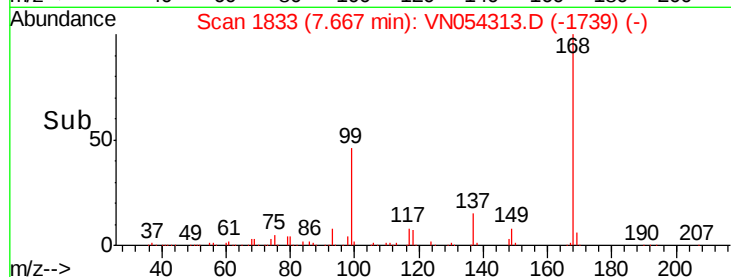
300000

200000

100000

0

Time-->



#30

Chloroform

Concen: 1.227 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054313.D

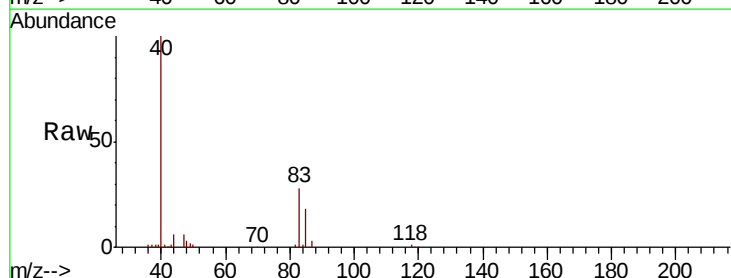
Acq: 15 Mar 2019 16:53

Tgt Ion: 83 Resp: 28464

Ion Ratio Lower Upper

83 100

85 64.8 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN054313.D (-1648) (-)

Ion 84.90 (84.60 to 85.60): VN054313.D (-1648) (-)

7.37

12000

10000

8000

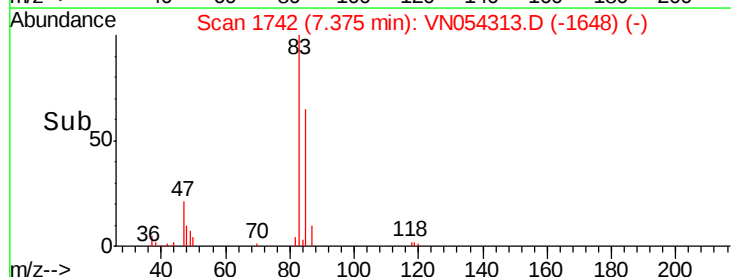
6000

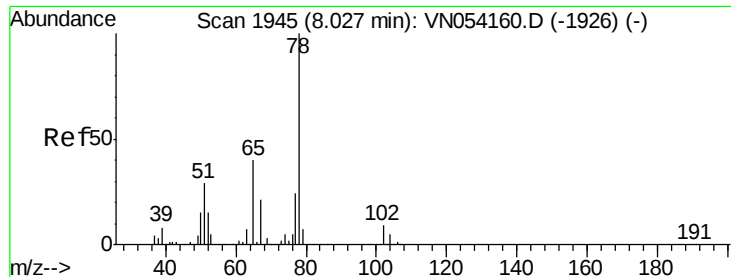
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.970 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054313.D

Acq: 15 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

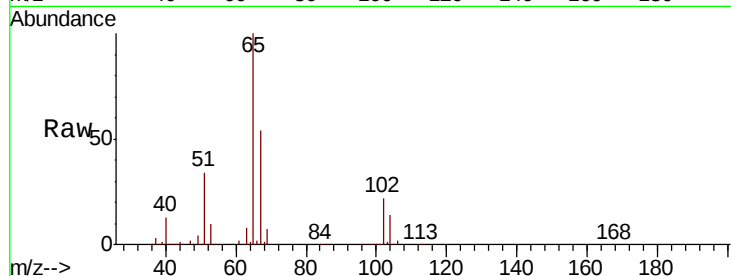
RFK-RMAB-MW11-GW

Tgt Ion: 65 Resp: 690733

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054313.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN054313.D (-1926) (-)

8.03

300000

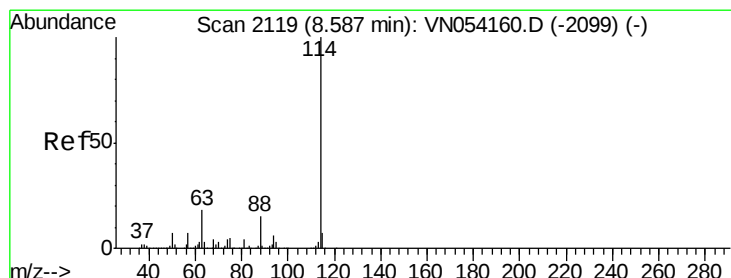
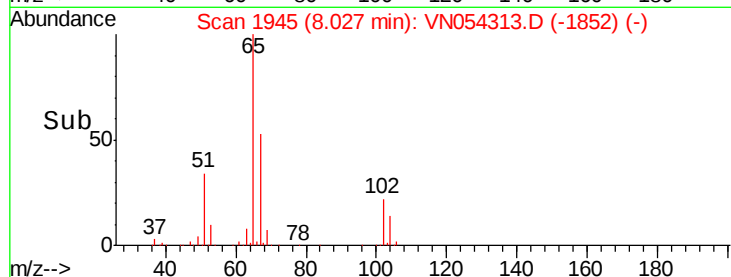
200000

100000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054313.D

Acq: 15 Mar 2019 16:53

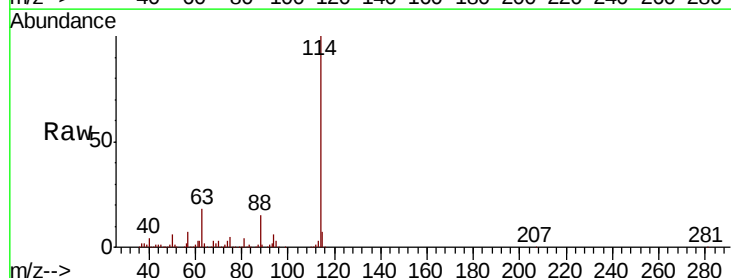
Tgt Ion: 114 Resp: 2183866

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

88 14.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054313.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN054313.D (-2099) (-)

Ion 87.90 (87.60 to 88.60): VN054313.D (-2099) (-)

8.59

1200000

1000000

800000

600000

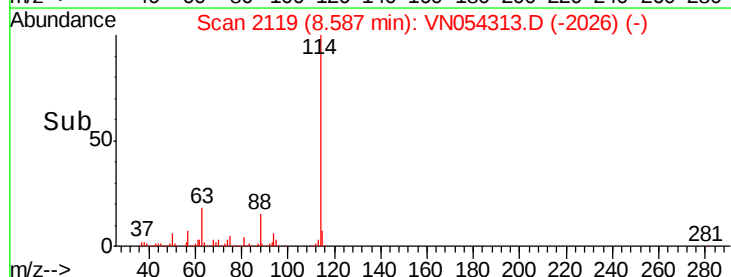
400000

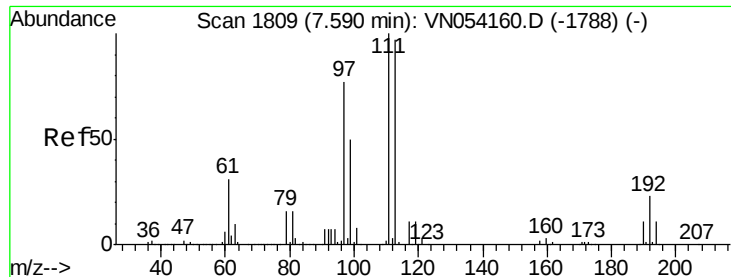
200000

0

8.40 8.60 8.80

Time-->

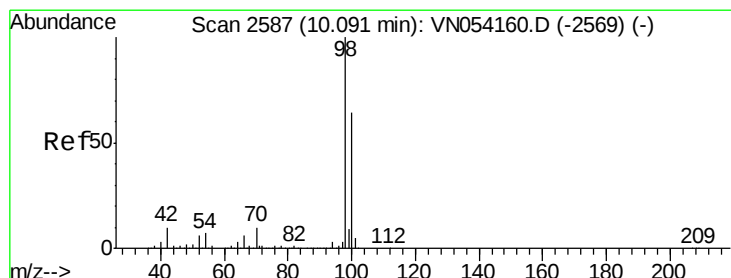
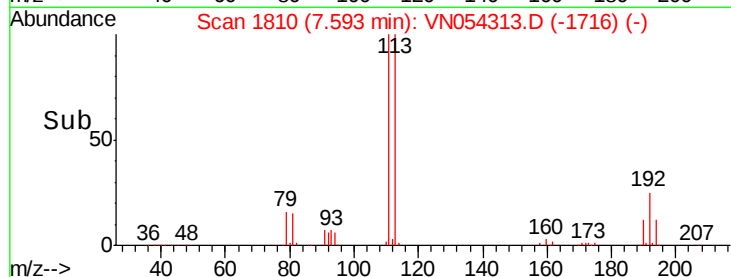
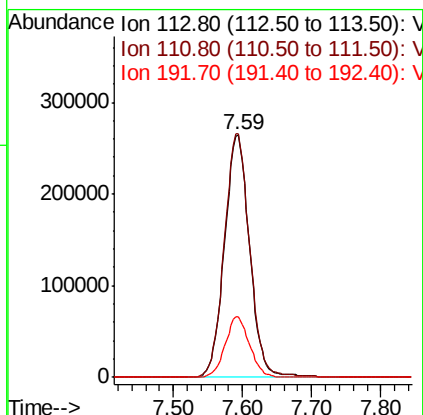
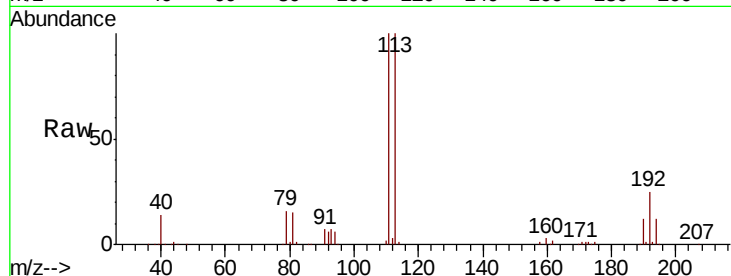




#35
 Dibromofluoromethane
 Concen: 47.628 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054313.D
 Acq: 15 Mar 2019 16:53

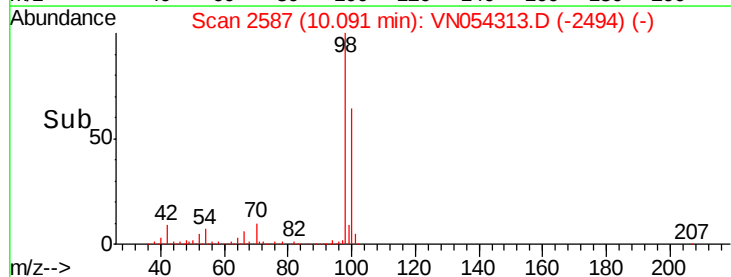
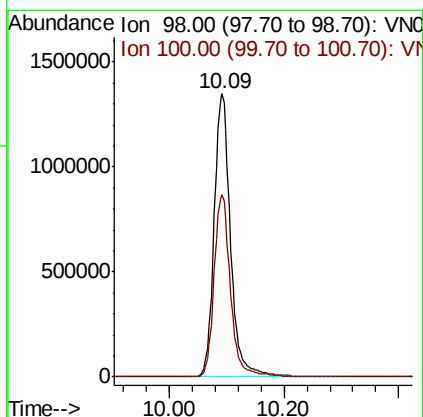
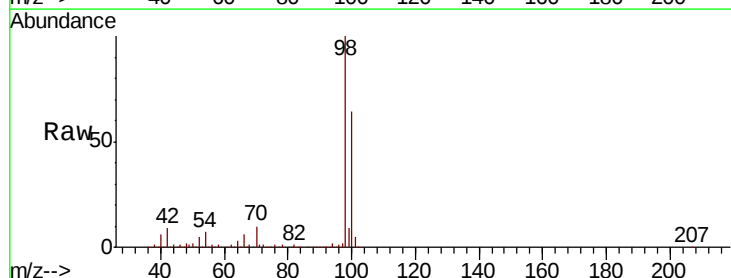
Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW11-GW

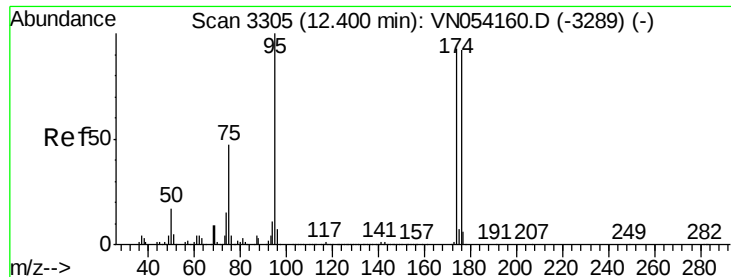
Tgt Ion:113 Resp: 670837
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.2 123.4
 192 24.1 19.2 28.8



#50
 Toluene-d8
 Concen: 51.853 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054313.D
 Acq: 15 Mar 2019 16:53

Tgt Ion: 98 Resp: 2697268
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 55.326 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054313.D

Acq: 15 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW11-GW

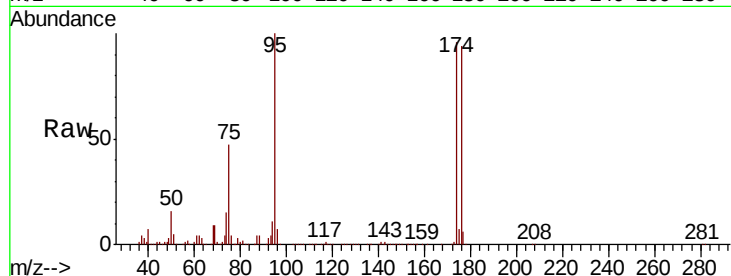
Tgt Ion: 95 Resp: 1007001

Ion Ratio Lower Upper

95 100

174 98.5 0.0 191.0

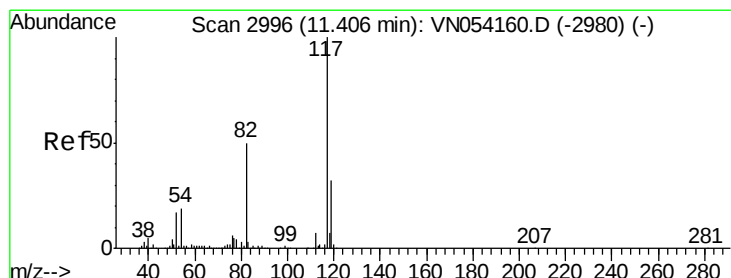
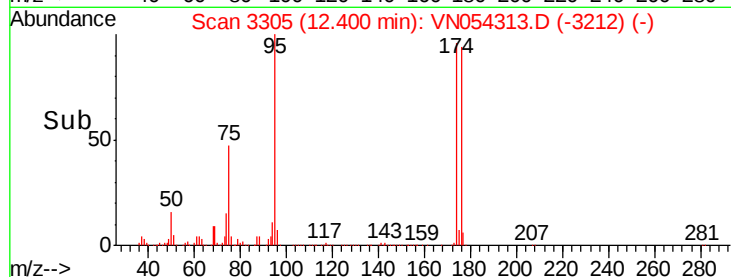
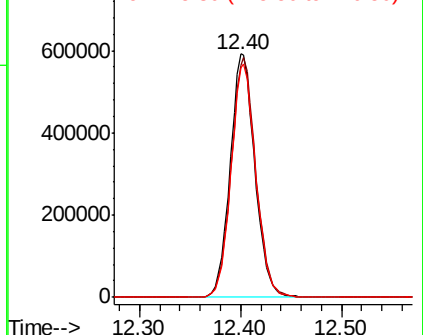
176 95.9 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054313.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054313.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054313.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054313.D

Acq: 15 Mar 2019 16:53

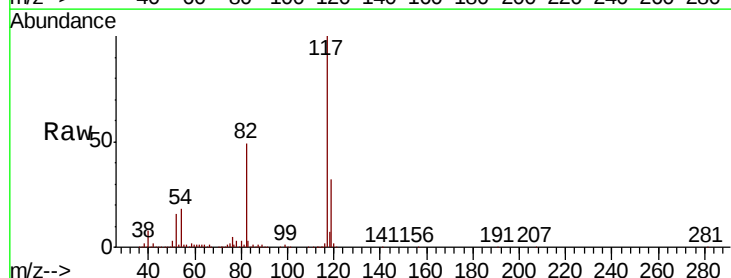
Tgt Ion: 117 Resp: 2297911

Ion Ratio Lower Upper

117 100

82 49.0 40.0 60.0

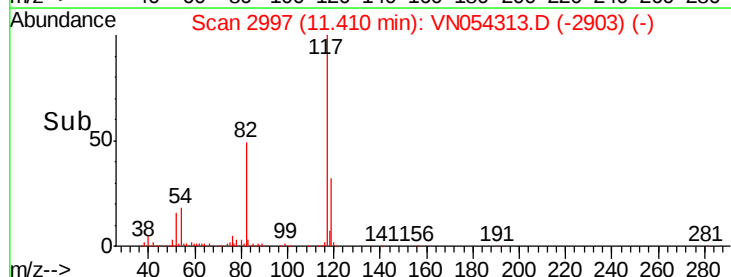
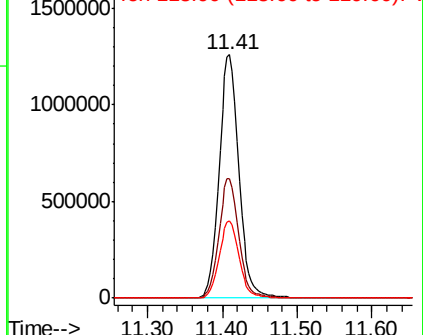
119 32.0 25.8 38.6

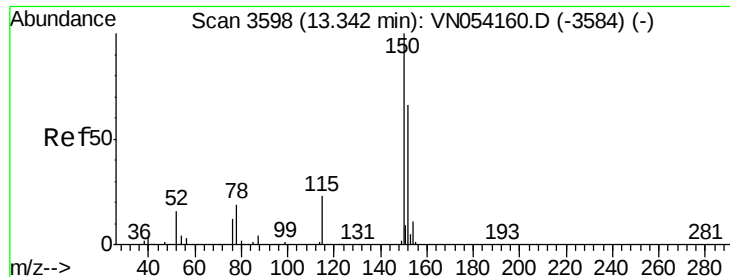


Abundance Ion 116.90 (116.60 to 117.60): VN054313.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054313.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054313.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054313.D

Acq: 15 Mar 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW11-GW

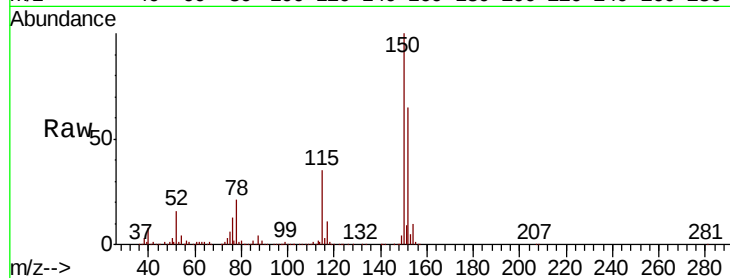
Tgt Ion:152 Resp: 907085

Ion Ratio Lower Upper

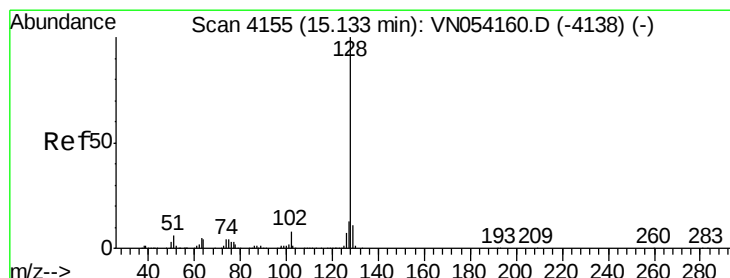
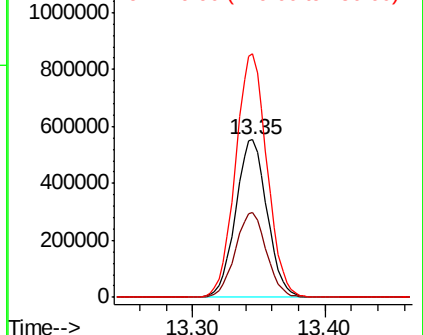
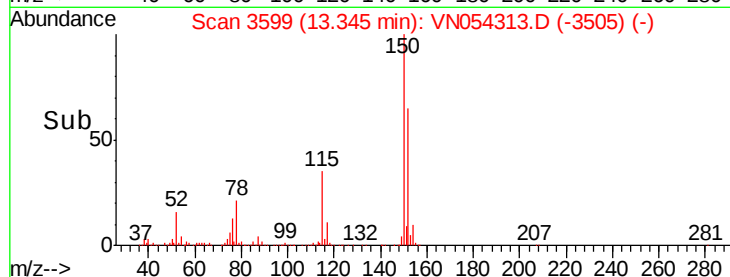
152 100

115 53.6 27.2 81.6

150 155.3 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



#95

Naphthalene

Concen: 4.743 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054313.D

Acq: 15 Mar 2019 16:53

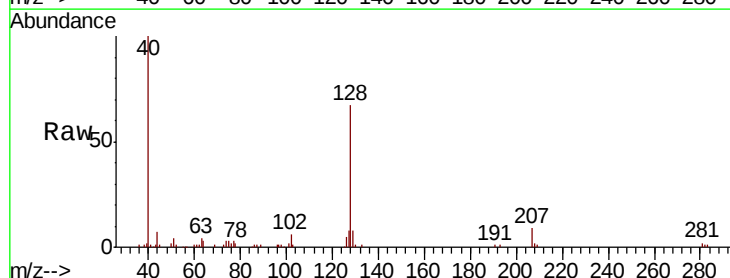
Tgt Ion:128 Resp: 54442

Ion Ratio Lower Upper

128 100

127 11.5 10.1 15.1

129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

