

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053424.D
 Acq On : 16 Jan 2019 14:48
 Operator : JC/SP
 Sample : PB116405ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116405ZHE#07

Quant Time: Jan 17 04:22:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

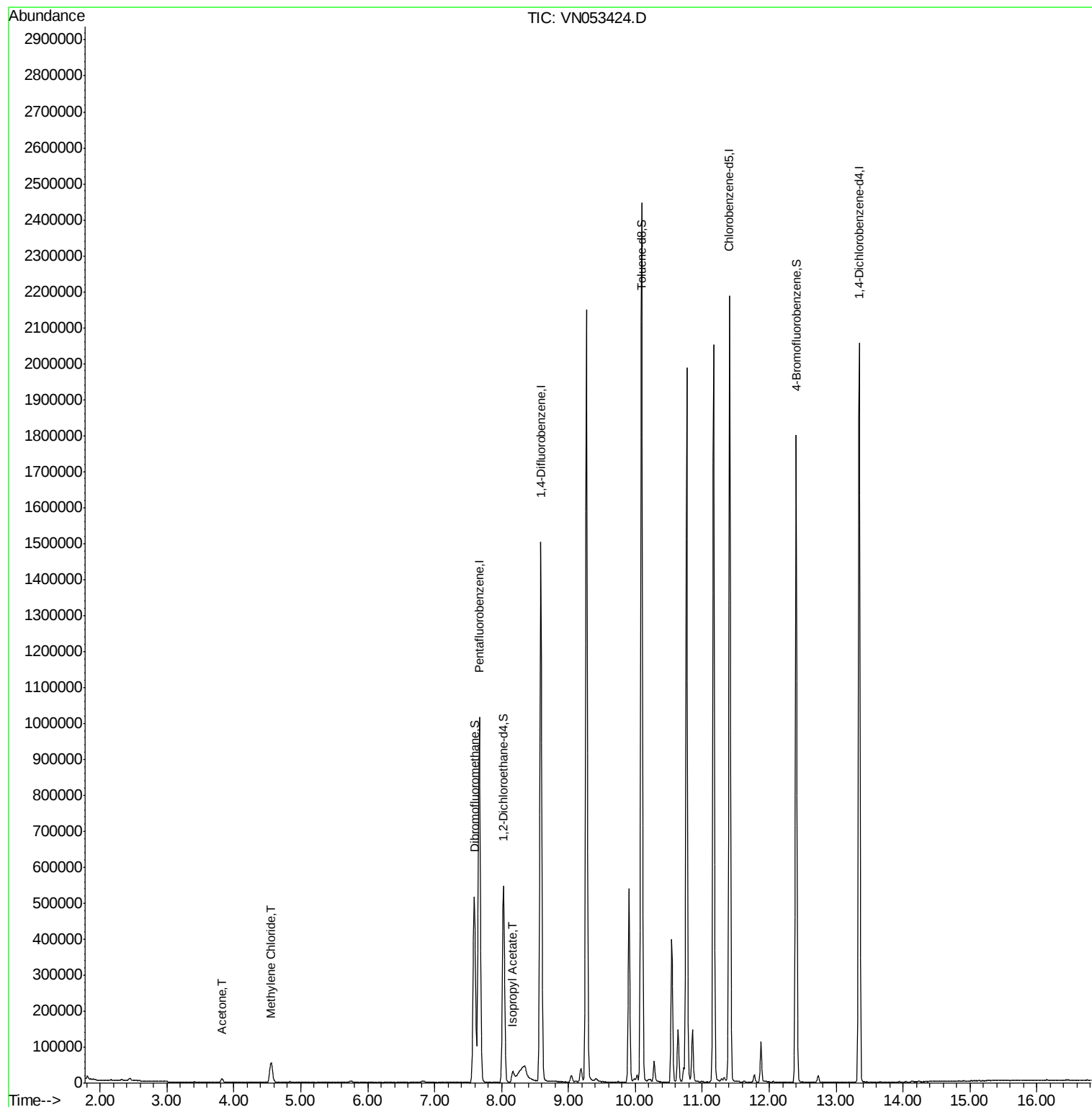
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	890926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1391105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1350950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	596806	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	454765	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.28%	
35) Dibromofluoromethane	7.59	113	400399	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
50) Toluene-d8	10.09	98	1761579	52.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.40	95	614812	52.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.44%	
Target Compounds						
16) Acetone	3.82	43	18235	8.826	ug/l	96
20) Methylene Chloride	4.56	84	43465	4.608	ug/l	97
43) Isopropyl Acetate	8.17	43	42031	3.207	ug/l #	81

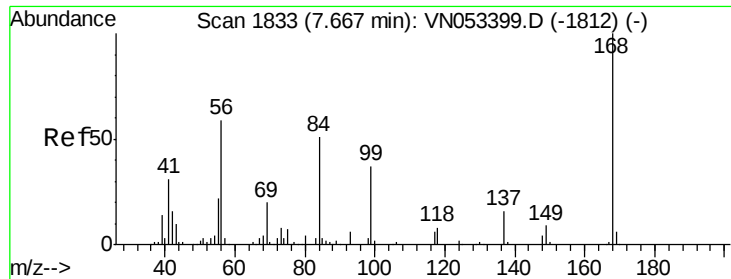
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN011619\
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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: VN053424.D

Acq: 16 Jan 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

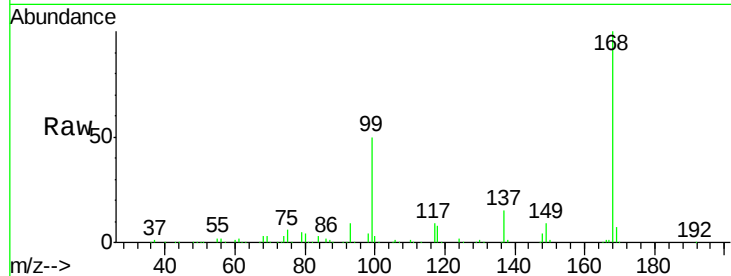
PB116405ZHE#07

Tot Ion:168 Resp: 890926

Ion Ratio Lower Upper

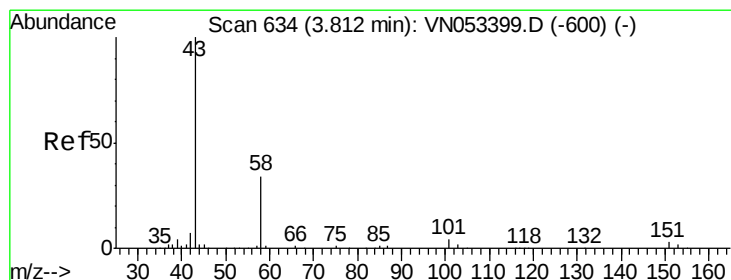
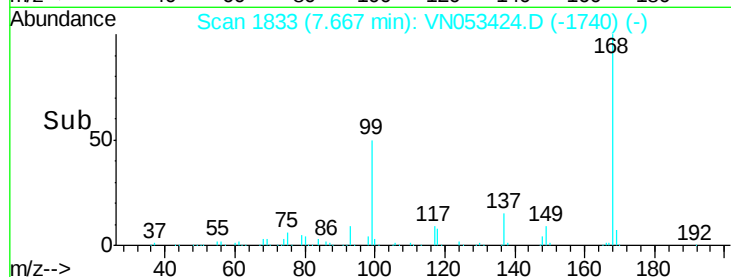
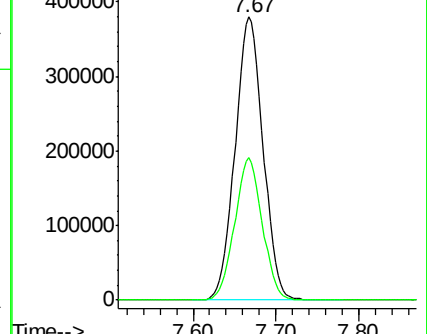
168 100

99 50.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 8.826 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053424.D

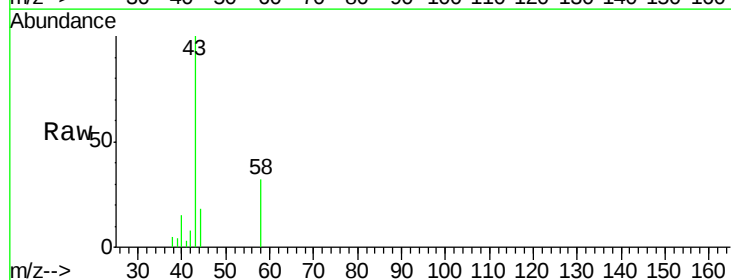
Acq: 16 Jan 2019 14:48

Tgt Ion: 43 Resp: 18235

Ion Ratio Lower Upper

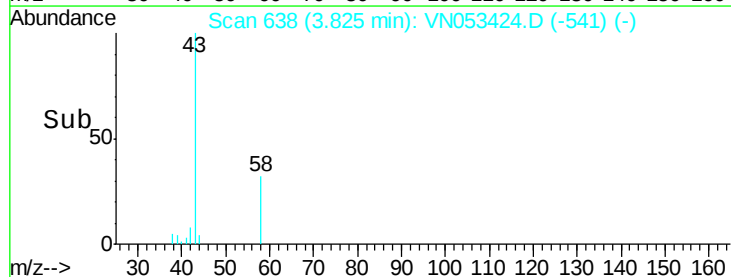
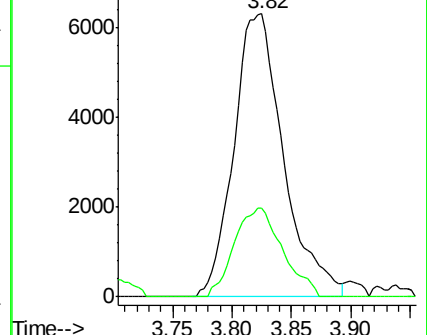
43 100

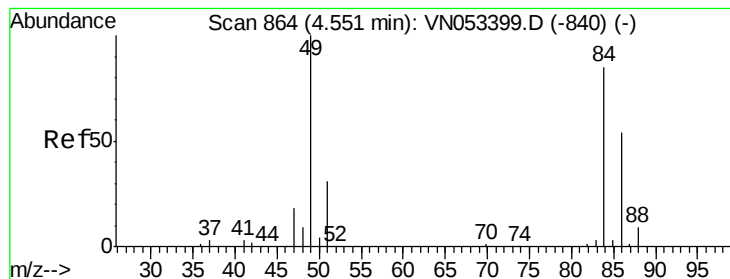
58 31.6 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#20

Methylene Chloride

Concen: 4.608 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.01 min

Lab File: VN053424.D

Acq: 16 Jan 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB116405ZHE#07

Tot Ion: 84 Resp: 43465

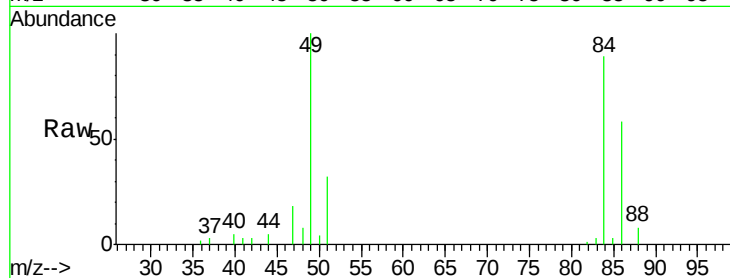
Ion Ratio Lower Upper

84 100

49 112.4 94.3 141.5

51 36.2 29.4 44.2

86 65.0 51.4 77.0

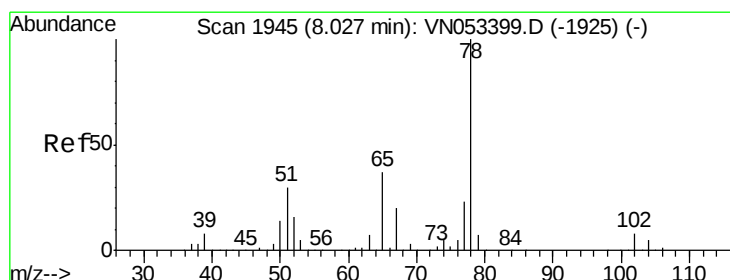
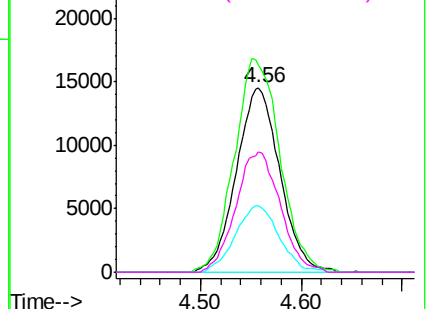
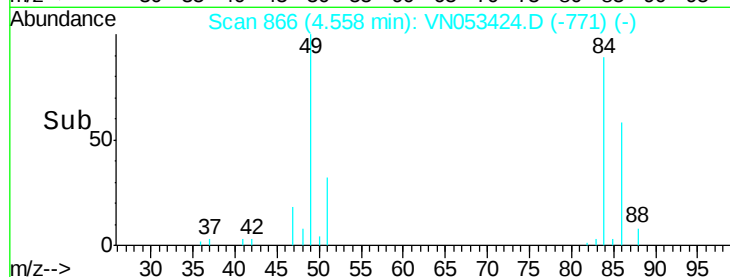


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN053424.D

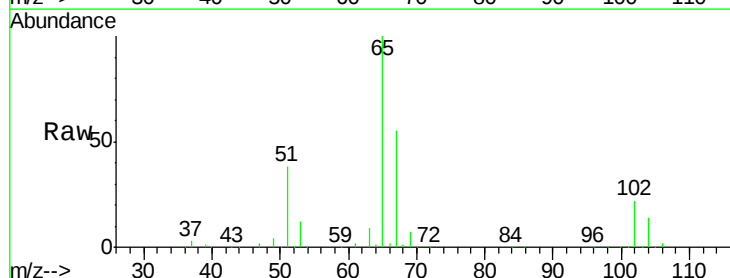
Acq: 16 Jan 2019 14:48

Tgt Ion: 65 Resp: 454765

Ion Ratio Lower Upper

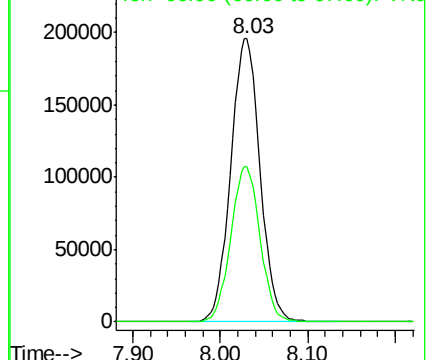
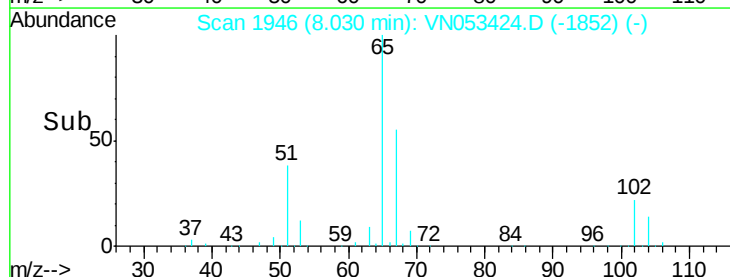
65 100

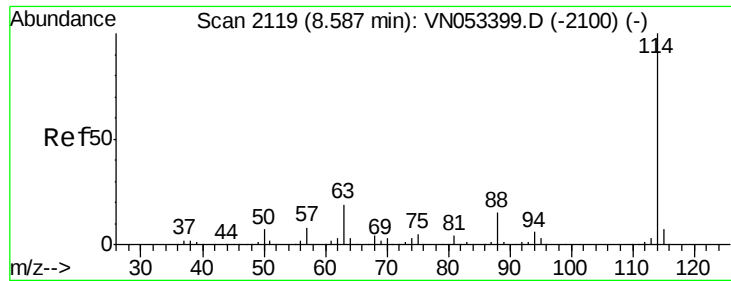
67 54.7 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

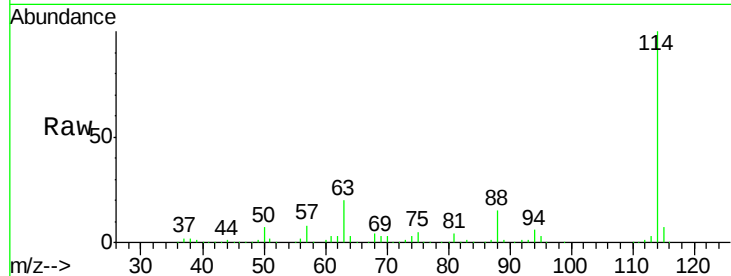




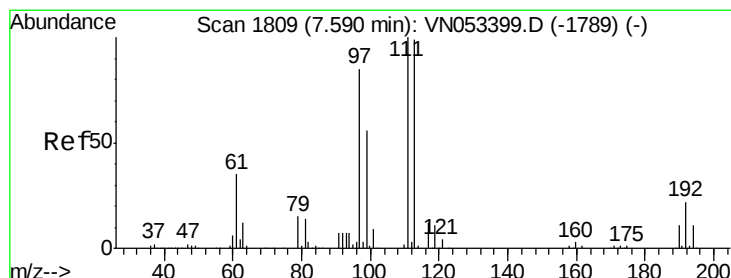
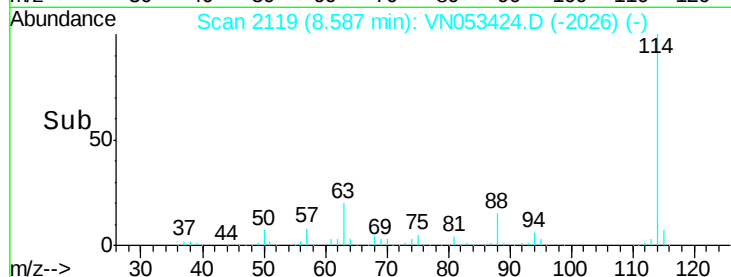
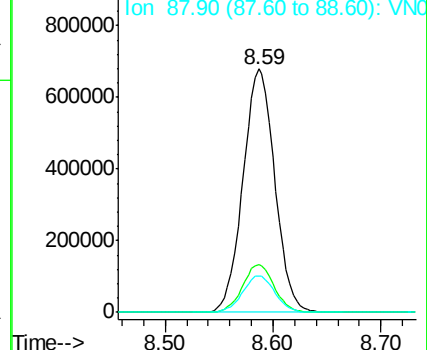
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053424.D
 Acq: 16 Jan 2019 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116405ZHE#07

Tot Ion:114 Resp: 1391105
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 15.1 0.0 30.4

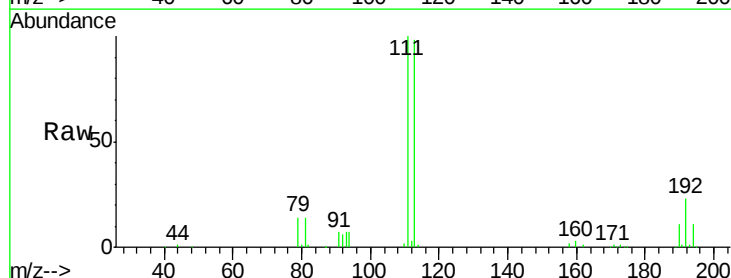


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

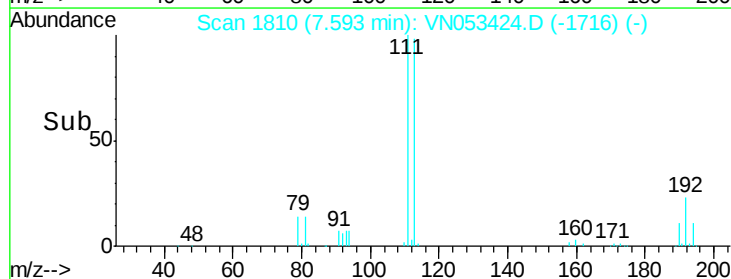
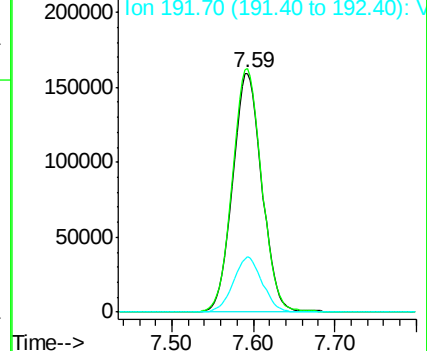


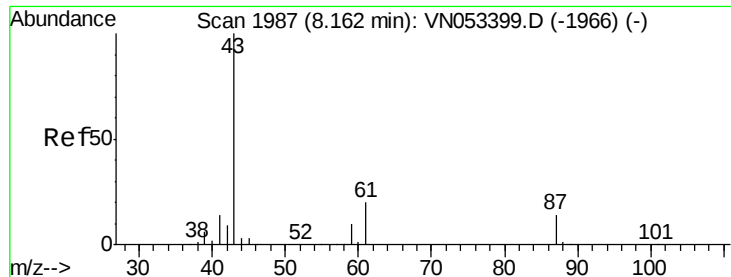
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053424.D
 Acq: 16 Jan 2019 14:48

Tgt Ion:113 Resp: 400399
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.1 121.7
 192 22.7 18.2 27.2



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: 3.207 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053424.D

Acq: 16 Jan 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB116405ZHE#07

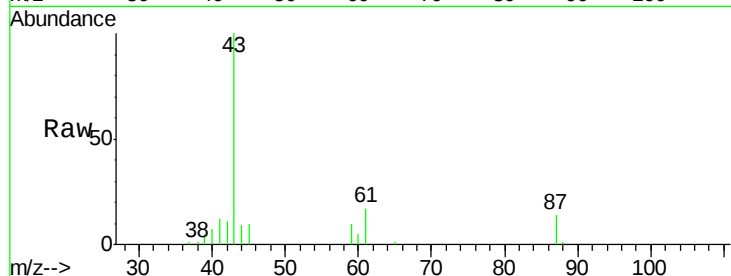
Tot Ion: 43 Resp: 42031

Ion Ratio Lower Upper

43 100

61 16.7 23.9 35.9#

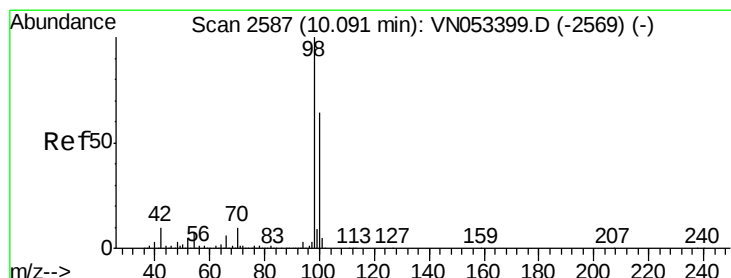
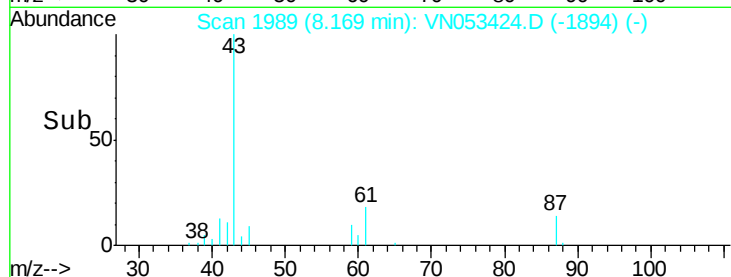
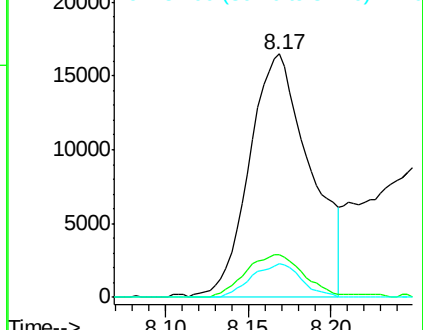
87 11.2 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053424.D

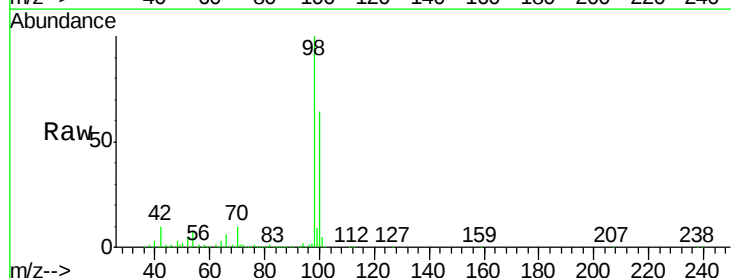
Acq: 16 Jan 2019 14:48

Tgt Ion: 98 Resp: 1761579

Ion Ratio Lower Upper

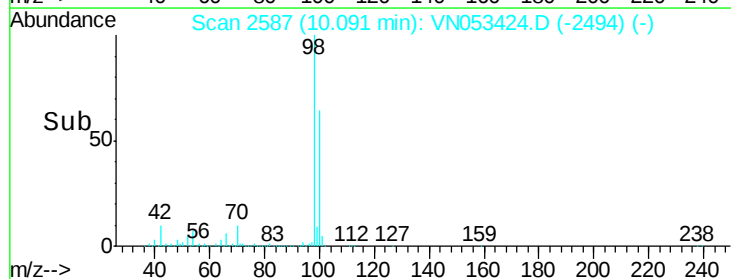
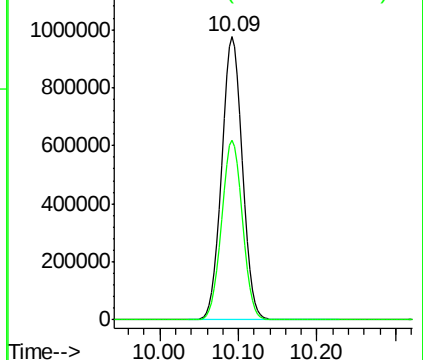
98 100

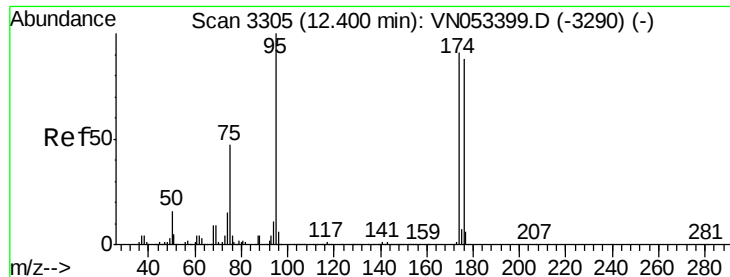
100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053424.D

Acq: 16 Jan 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB116405ZHE#07

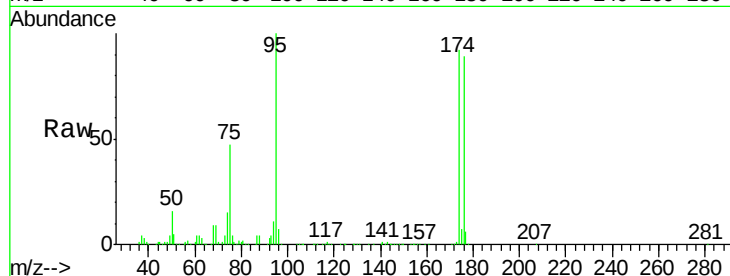
Tot Ion: 95 Resp: 614812

Ion Ratio Lower Upper

95 100

174 91.2 0.0 183.2

176 88.5 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053399.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053399.D (-3290) (-)

12.40

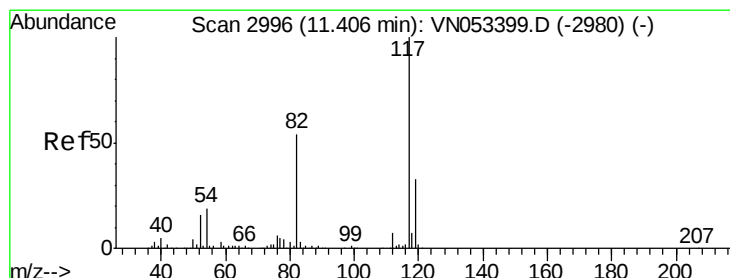
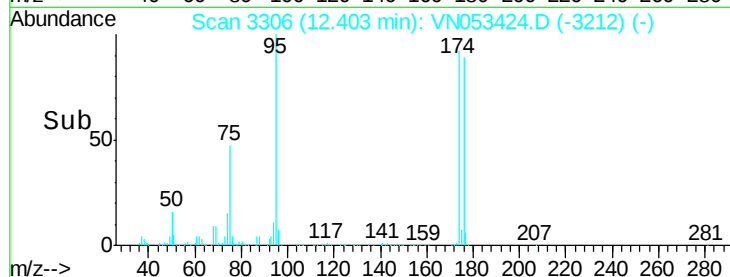
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053424.D

Acq: 16 Jan 2019 14:48

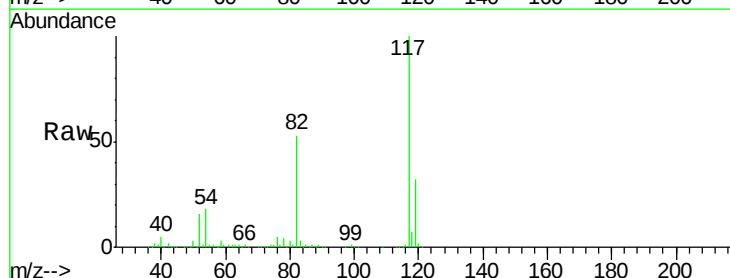
Tgt Ion: 117 Resp: 1350950

Ion Ratio Lower Upper

117 100

82 52.7 42.9 64.3

119 31.7 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053399.D (-2980) (-)

11.41

800000

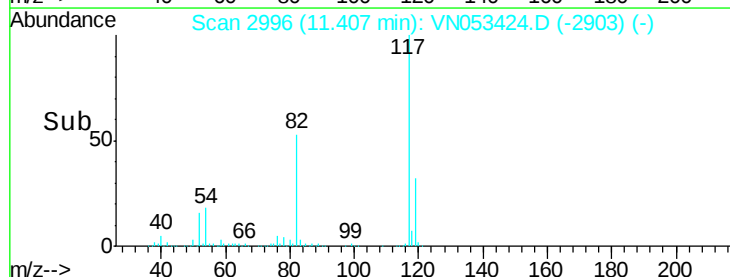
600000

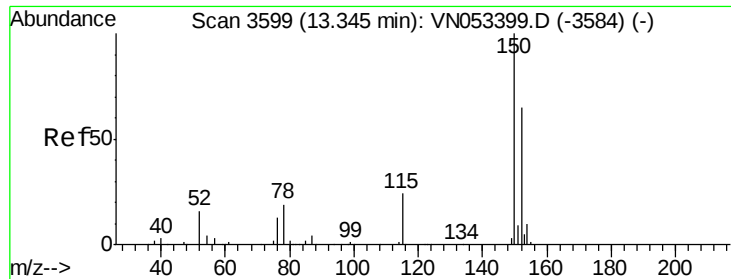
400000

200000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053424.D

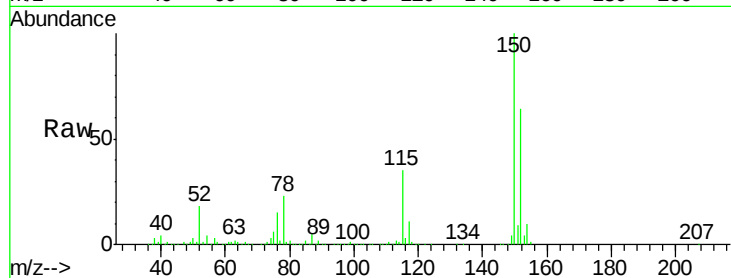
Acq: 16 Jan 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB116405ZHE#07



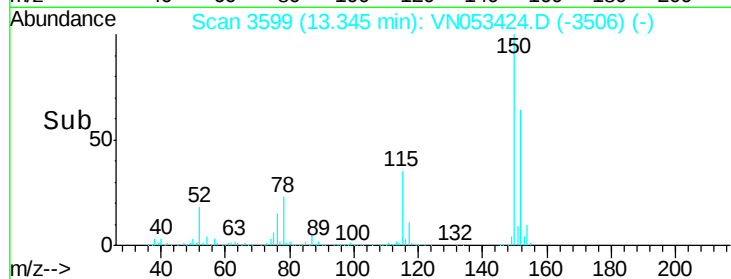
Tot Ion:152 Resp: 596806

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.4

150 156.7 0.0 349.0



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

