

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053474.D
 Acq On : 18 Jan 2019 16:10
 Operator : JC/SP
 Sample : K1200-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 WS-1

Quant Time: Jan 19 01:00:32 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

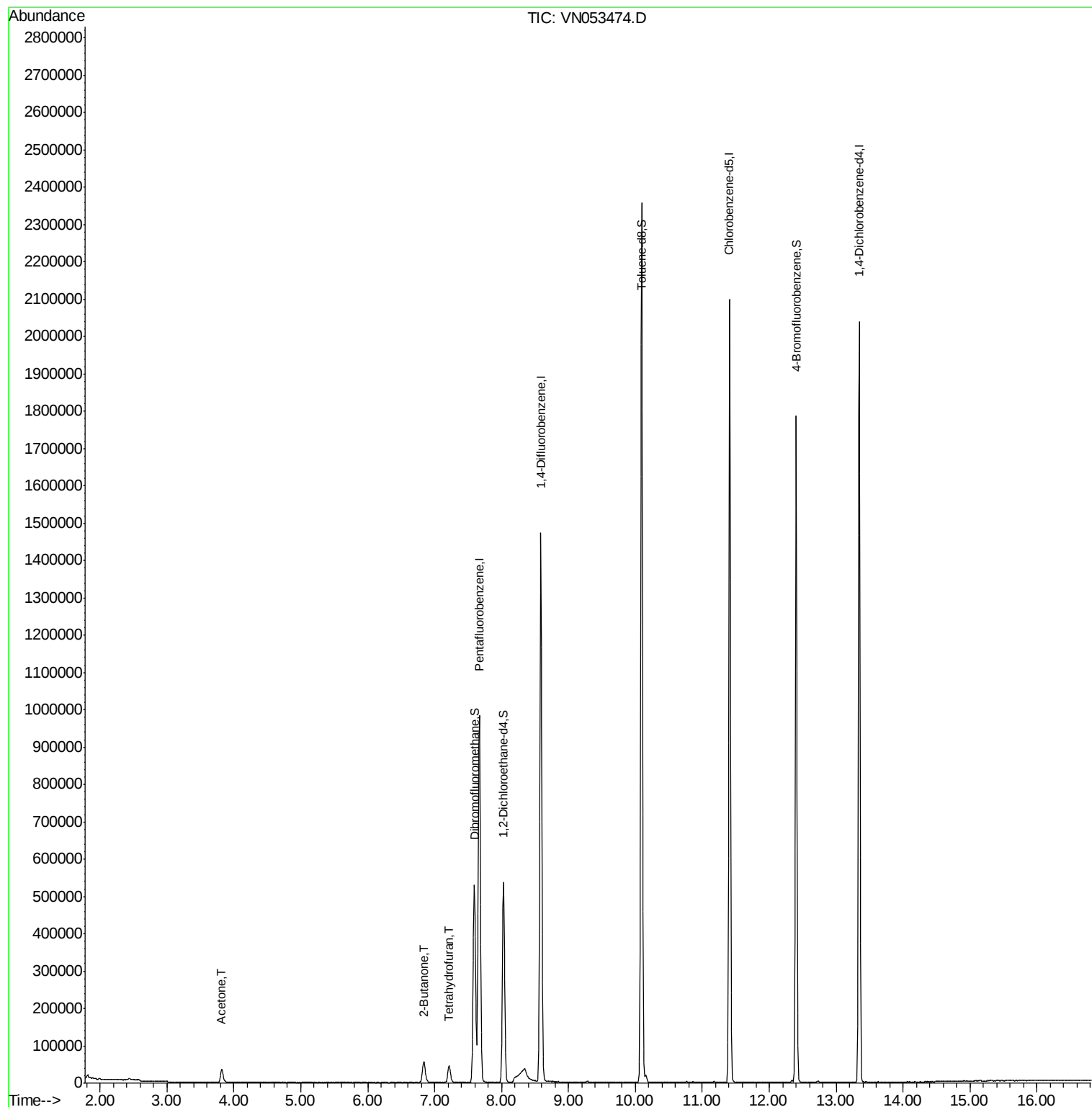
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	881112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1370661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1288233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	588210	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	448787	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.06%	
35) Dibromofluoromethane	7.59	113	404028	51.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.30%	
50) Toluene-d8	10.09	98	1701067	51.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.40	95	594568	51.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.50%	
Target Compounds						
16) Acetone	3.82	43	63376	31.017	ug/l	97
25) 2-Butanone	6.84	43	102923	32.687	ug/l	98
29) Tetrahydrofuran	7.22	42	39862	19.447	ug/l	99

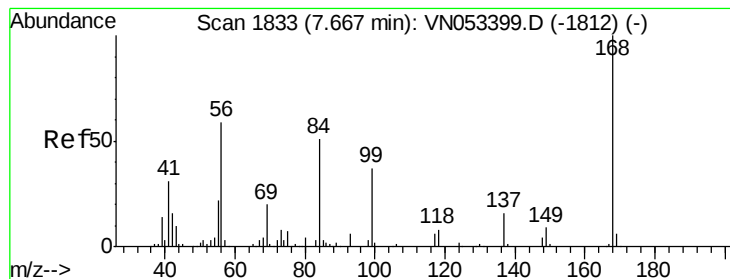
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053474.D

Acq: 18 Jan 2019 16:10

Instrument :

MSVOA_N

ClientSampled :

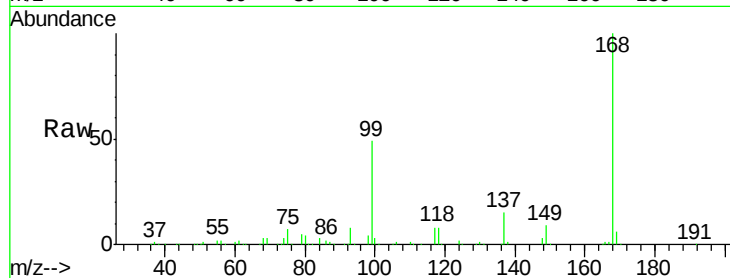
WS-1

Tot Ion:168 Resp: 881112

Ion Ratio Lower Upper

168 100

99 49.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

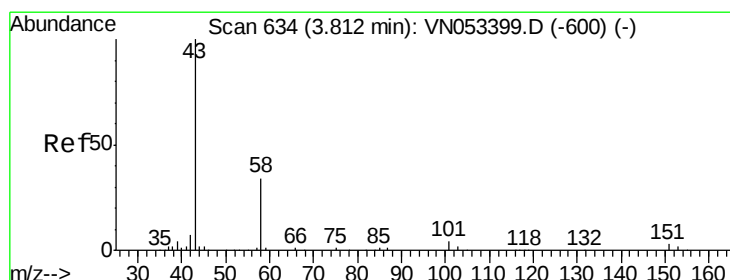
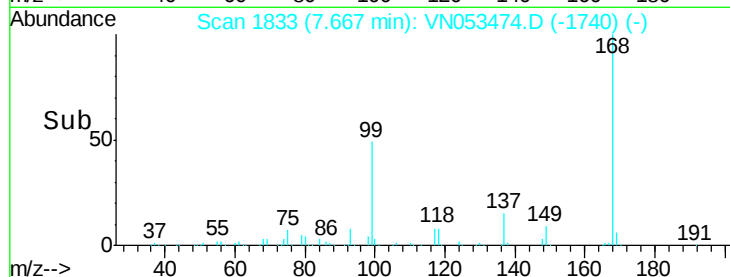
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 31.017 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053474.D

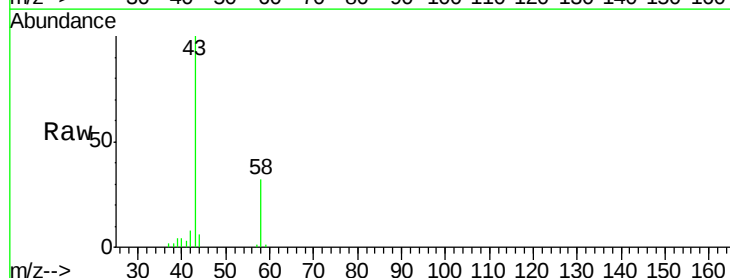
Acq: 18 Jan 2019 16:10

Tgt Ion: 43 Resp: 63376

Ion Ratio Lower Upper

43 100

58 32.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

25000

20000

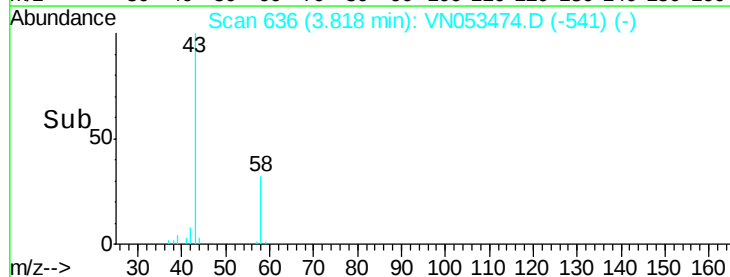
15000

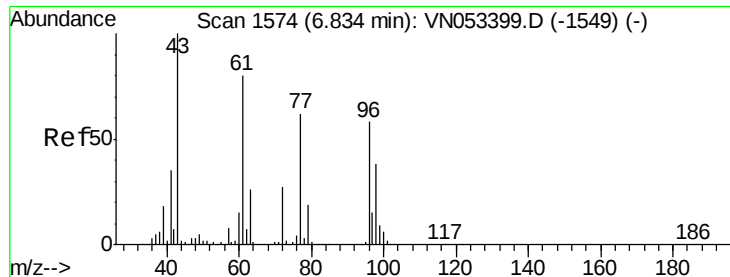
10000

5000

0

Time-->





#25

2-Butanone

Concen: 32.687 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

Instrument :

MSVOA_N

ClientSampled :

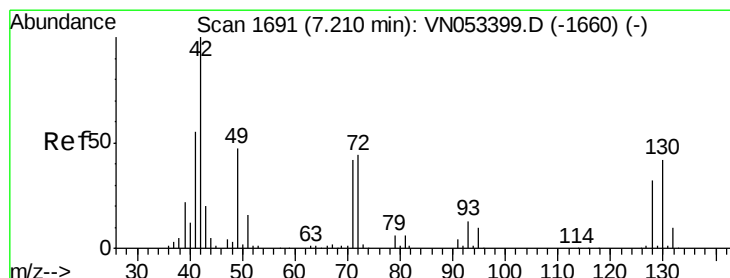
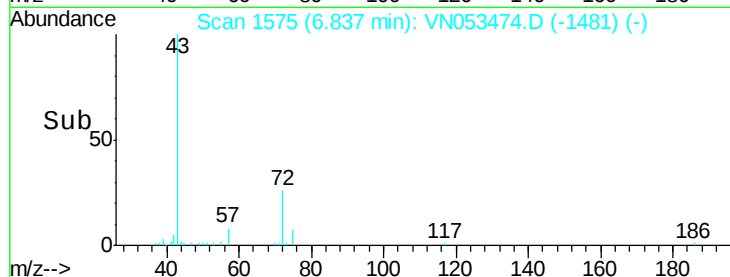
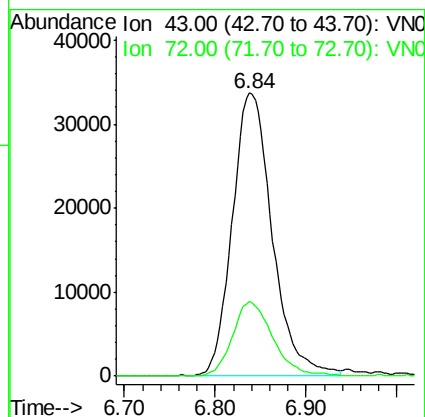
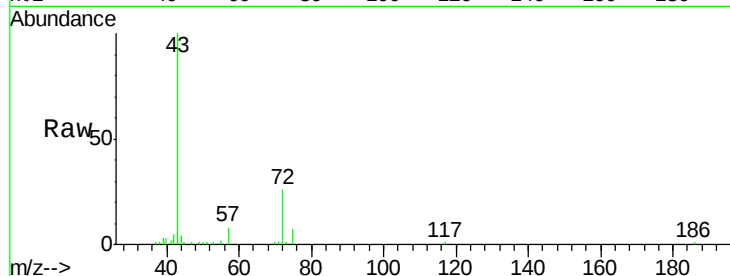
WS-1

Tot Ion: 43 Resp: 102923

Ion Ratio Lower Upper

43 100

72 26.3 22.0 33.0



#29

Tetrahydrofuran

Concen: 19.447 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

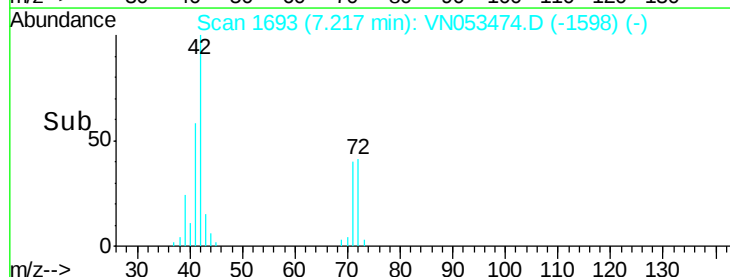
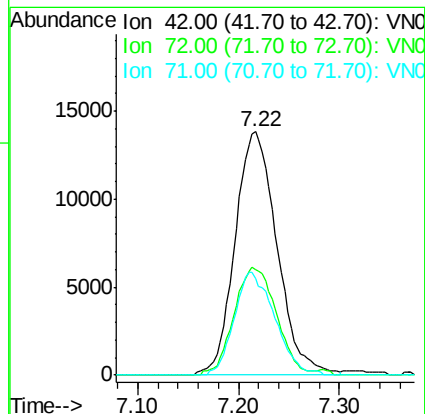
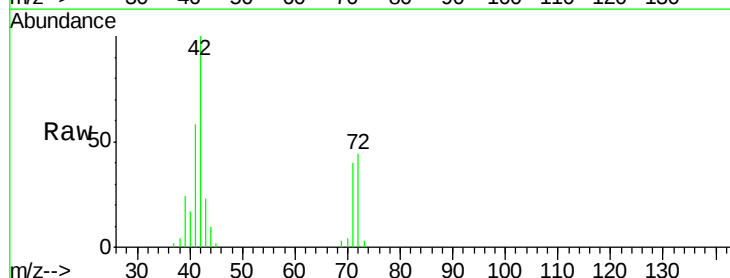
Tgt Ion: 42 Resp: 39862

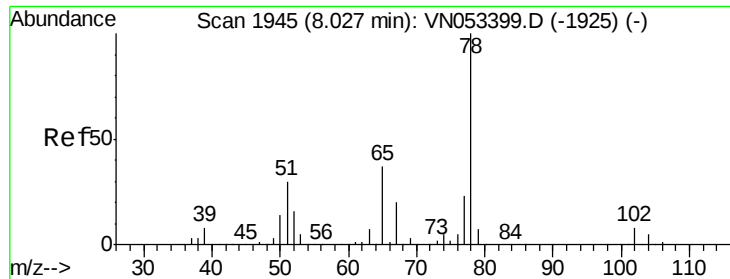
Ion Ratio Lower Upper

42 100

72 44.7 35.2 52.8

71 41.0 33.0 49.4

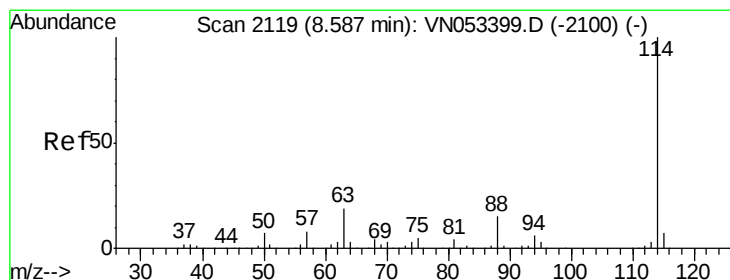
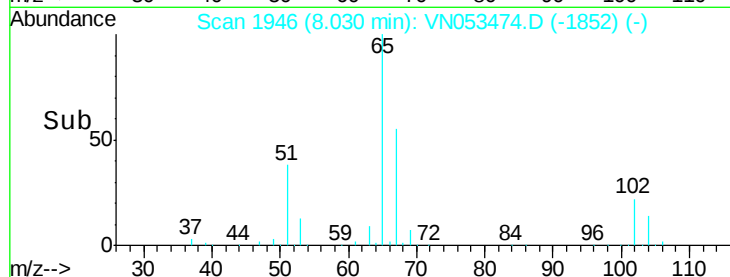
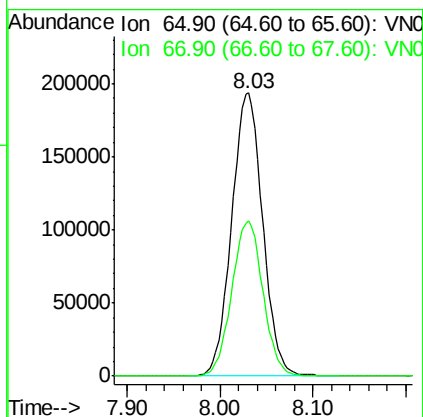
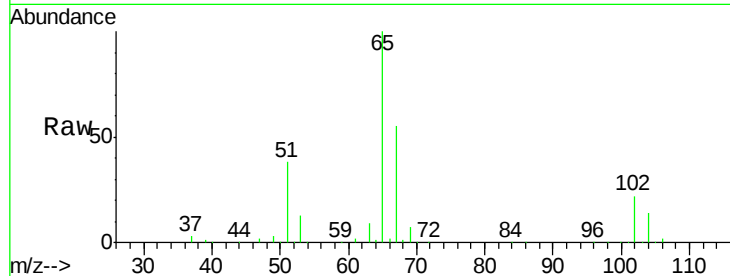




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053474.D
 Acq: 18 Jan 2019 16:10

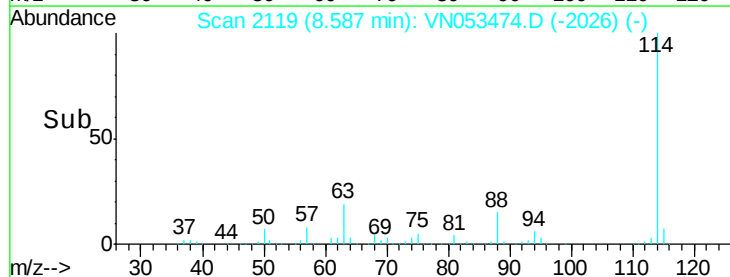
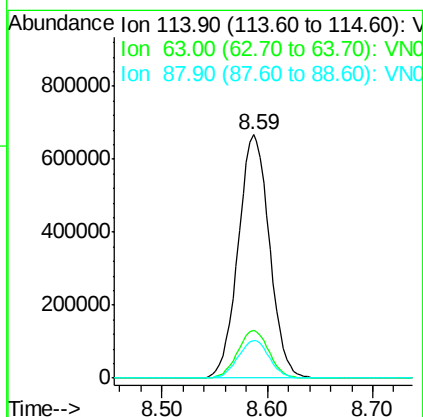
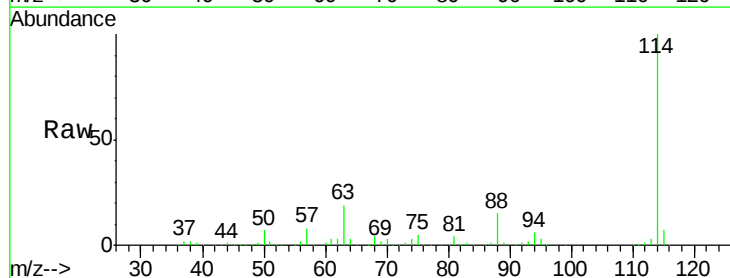
Instrument :
 MSVOA_N
 ClientSampled :
 WS-1

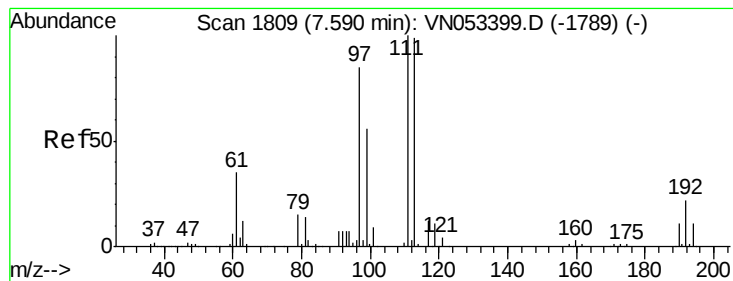
Tot Ion: 65 Resp: 448787
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053474.D
 Acq: 18 Jan 2019 16:10

Tgt Ion: 114 Resp: 1370661
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

WS-1

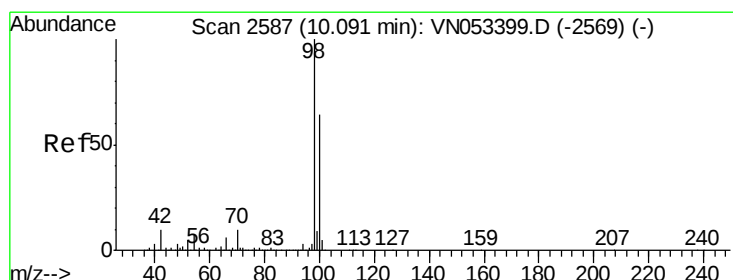
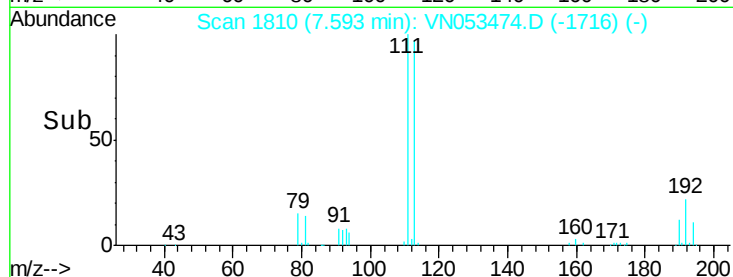
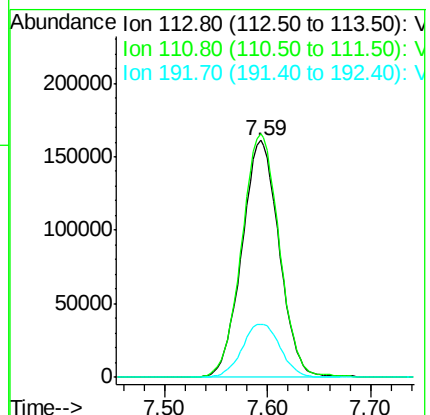
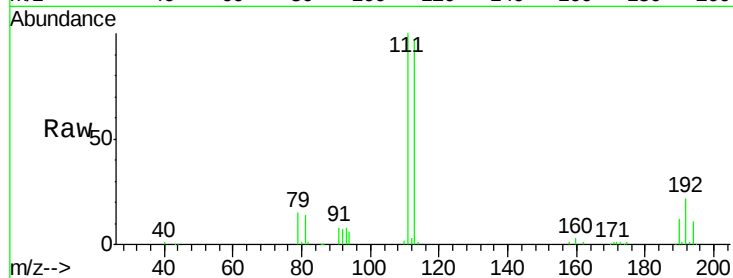
Tot Ion:113 Resp: 404028

Ion Ratio Lower Upper

113 100

111 104.0 81.1 121.7

192 23.2 18.2 27.2



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053474.D

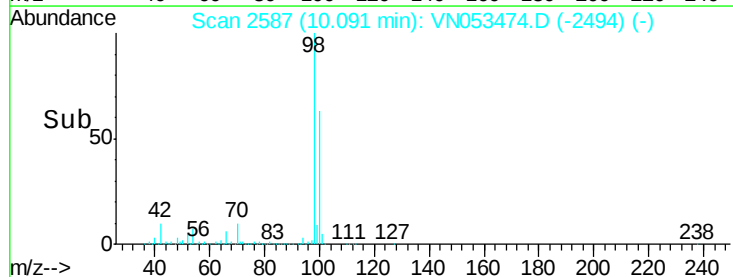
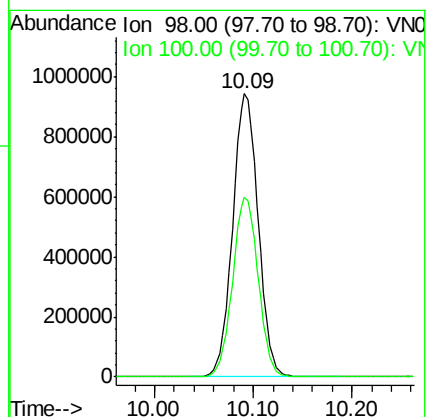
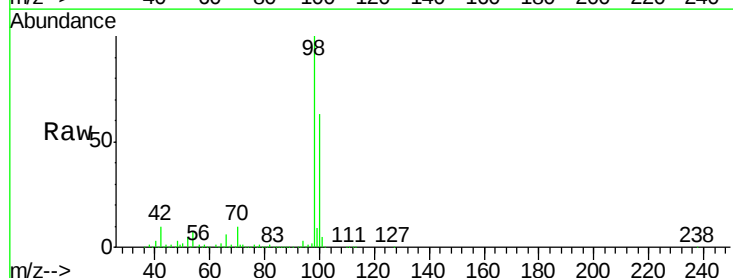
Acq: 18 Jan 2019 16:10

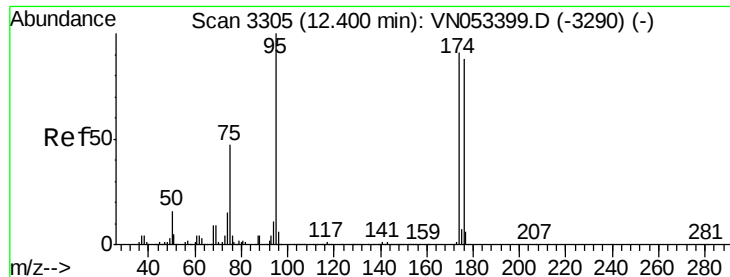
Tgt Ion: 98 Resp: 1701067

Ion Ratio Lower Upper

98 100

100 63.6 51.4 77.0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

Instrument :

MSVOA_N

ClientSampled :

WS-1

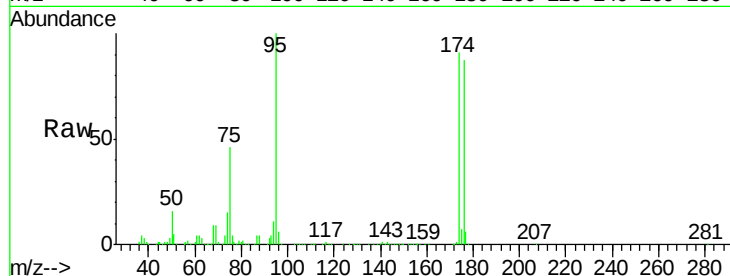
Tot Ion: 95 Resp: 594568

Ion Ratio Lower Upper

95 100

174 91.7 0.0 183.2

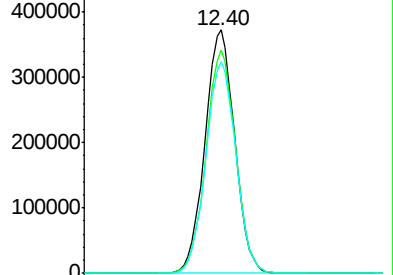
176 88.1 0.0 177.4



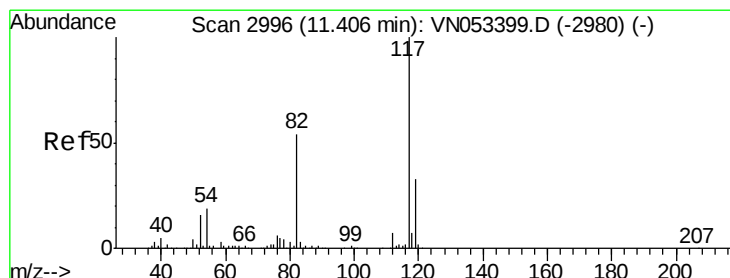
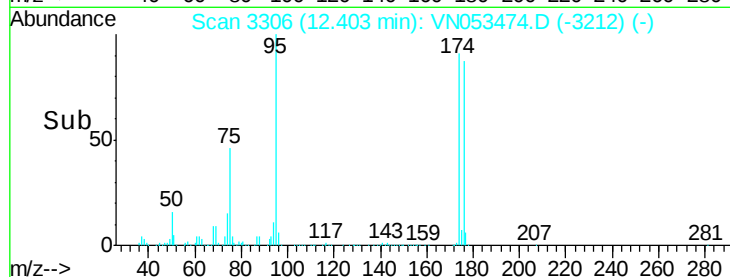
Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

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

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



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

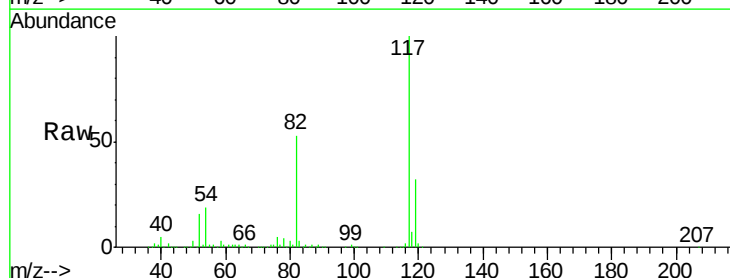
Tgt Ion: 117 Resp: 1288233

Ion Ratio Lower Upper

117 100

82 52.8 42.9 64.3

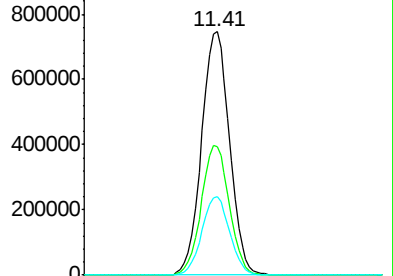
119 32.1 26.0 39.0



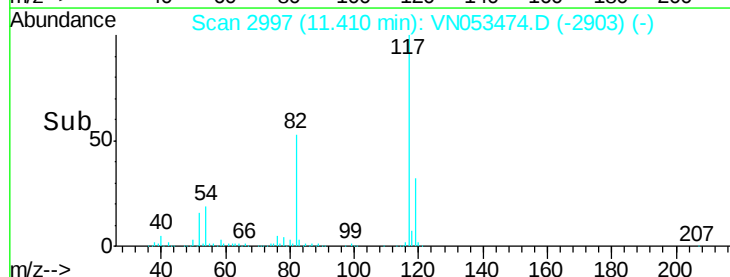
Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

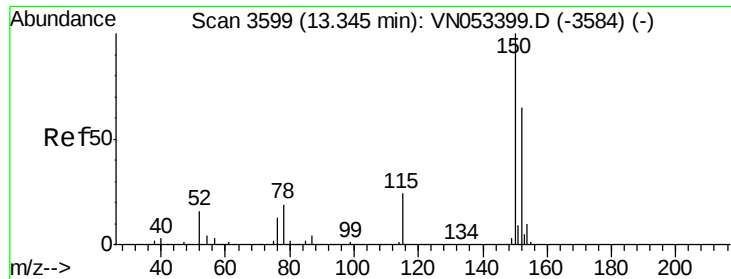
Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

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



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: VN053474.D

Acq: 18 Jan 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

WS-1

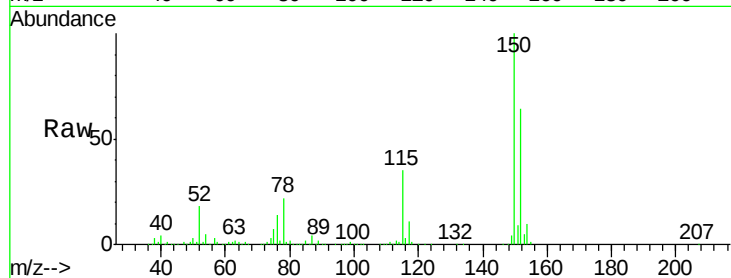
Tot Ion:152 Resp: 588210

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.4

150 155.7 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

