

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052758.D
 Acq On : 10 Dec 2018 17:23
 Operator : MD\SY
 Sample : PB115448ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115448ZHE#07

Quant Time: Dec 11 02:52:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

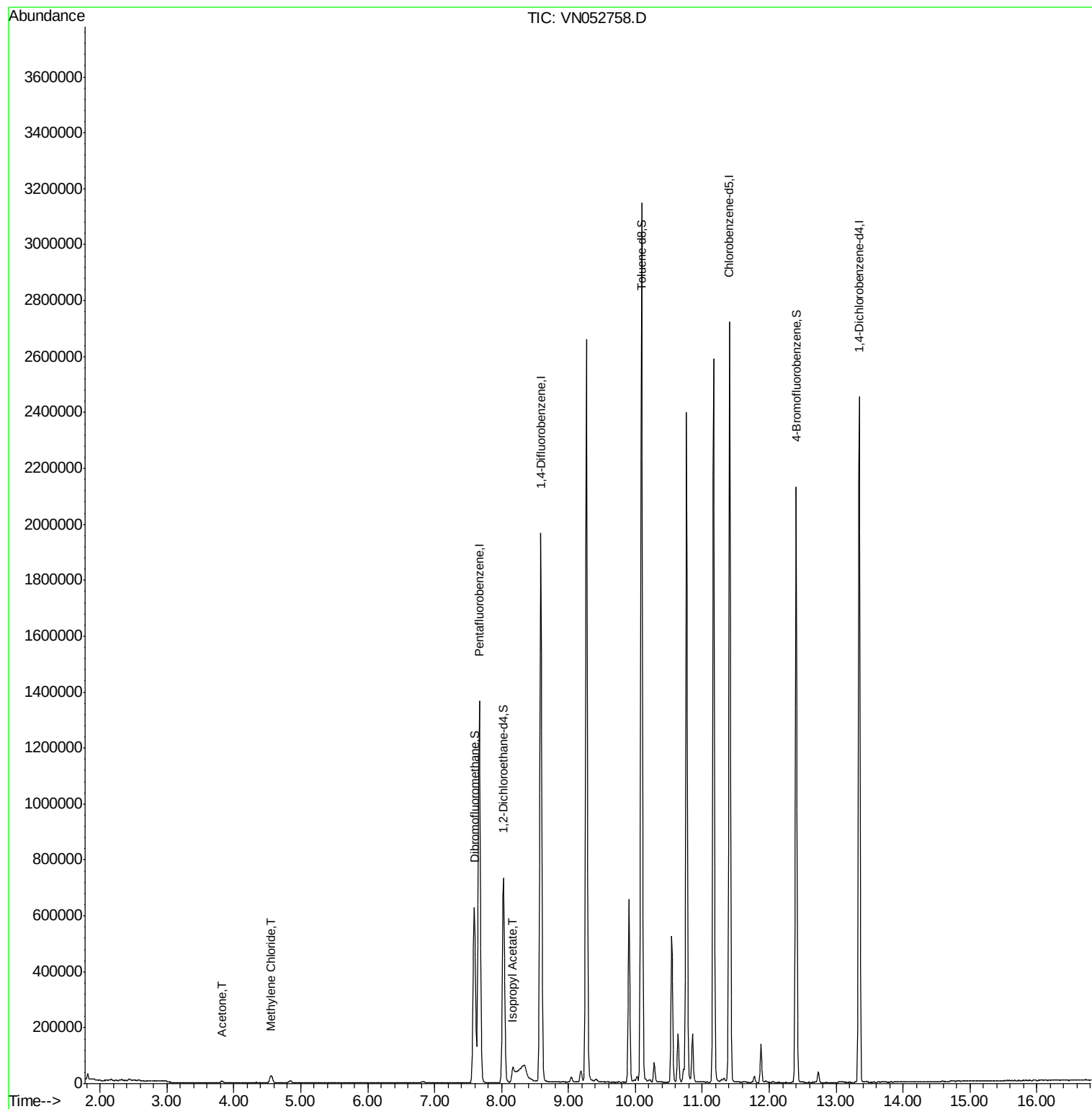
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1185026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1840605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1641766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	689161	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	614880	47.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.30%	
35) Dibromofluoromethane	7.59	113	490221	43.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.40%	
50) Toluene-d8	10.09	98	2246275	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	740265	49.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.74%	
Target Compounds						
16) Acetone	3.82	43	11363	3.339	ug/l	98
20) Methylene Chloride	4.55	84	21436	1.610	ug/l	93
43) Isopropyl Acetate	8.17	43	68360	3.808	ug/l #	75

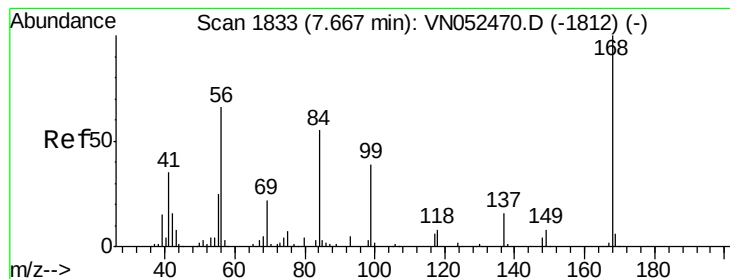
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052758.D

Acq: 10 Dec 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

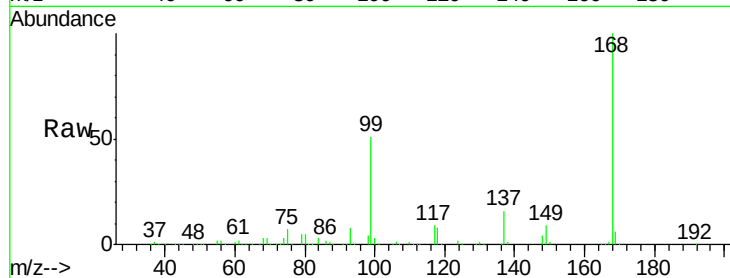
PB115448ZHE#07

Tot Ion:168 Resp: 1185026

Ion Ratio Lower Upper

168 100

99 50.8 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

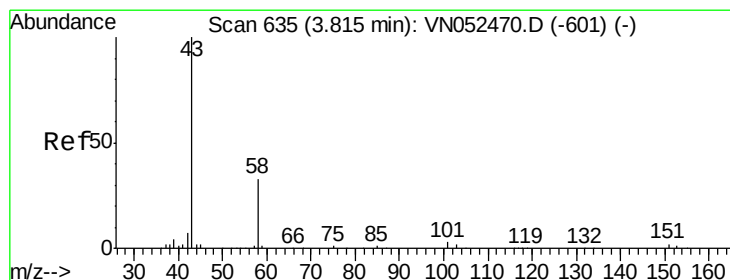
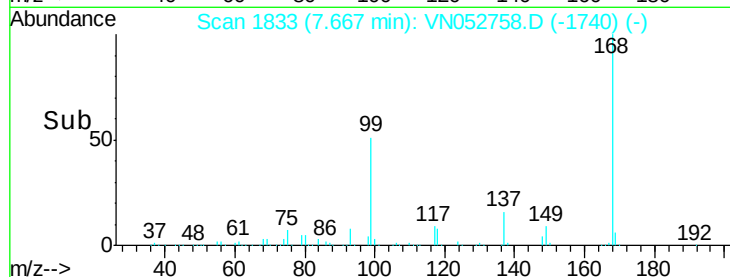
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 3.339 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052758.D

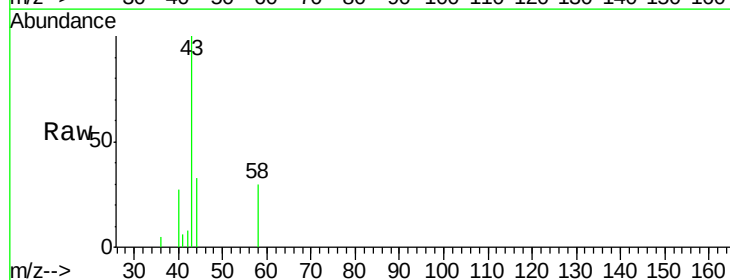
Acq: 10 Dec 2018 17:23

Tgt Ion: 43 Resp: 11363

Ion Ratio Lower Upper

43 100

58 31.5 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

5000

4000

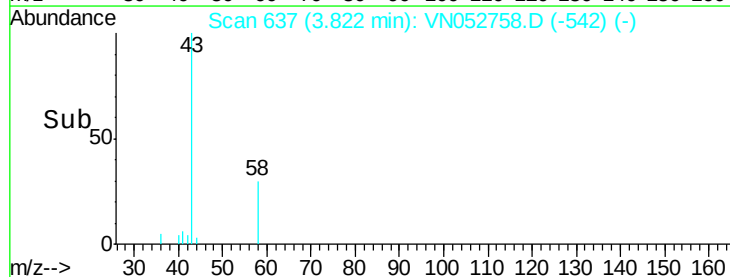
3000

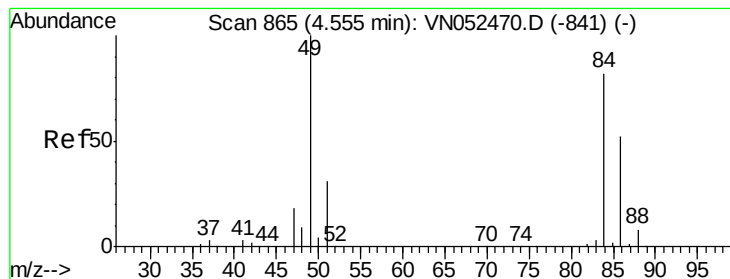
2000

1000

0

Time-->





#20

Methylene Chloride

Concen: 1.610 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052758.D

Acq: 10 Dec 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#07

Tot Ion: 84 Resp: 21436

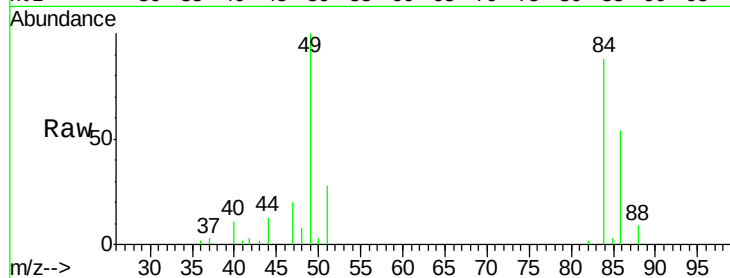
Ion Ratio Lower Upper

84 100

49 113.5 98.0 147.0

51 32.3 30.1 45.1

86 61.0 50.7 76.1

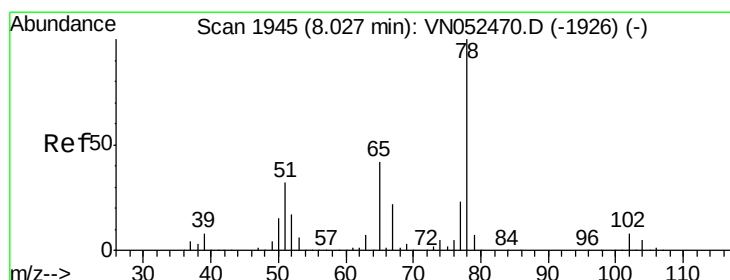
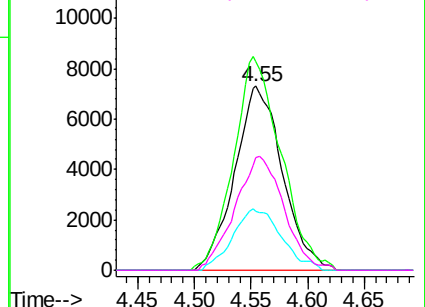
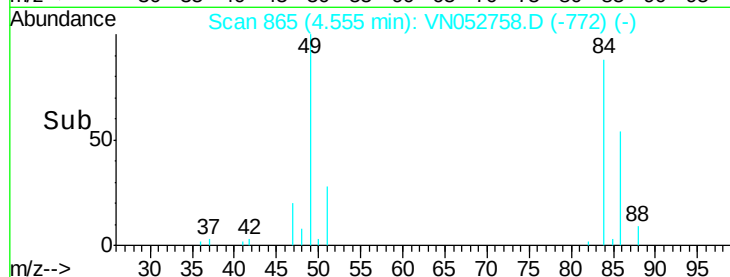


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052758.D

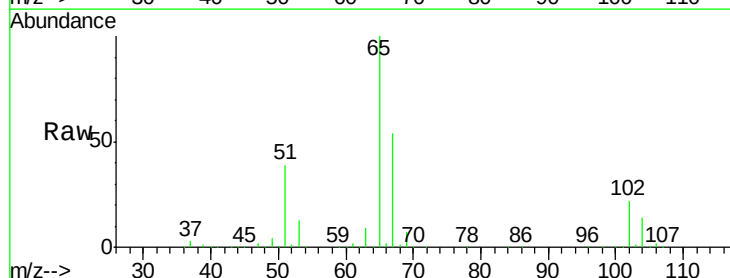
Acq: 10 Dec 2018 17:23

Tgt Ion: 65 Resp: 614880

Ion Ratio Lower Upper

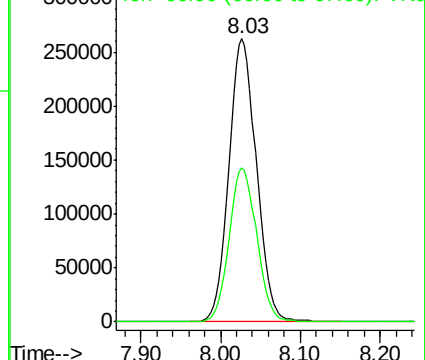
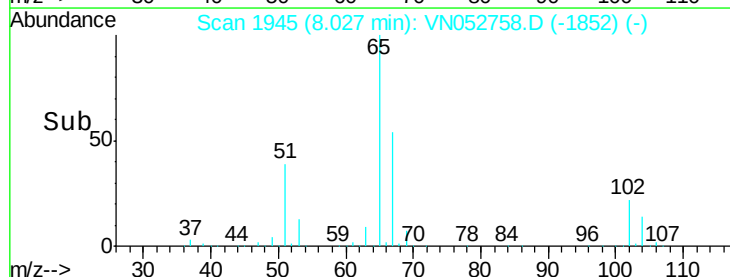
65 100

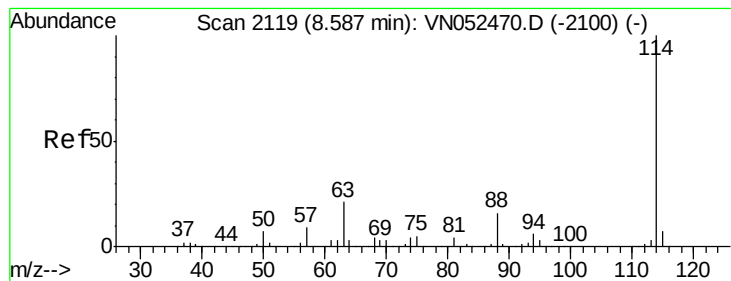
67 54.5 0.0 109.8



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: VN052758.D

Acq: 10 Dec 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#07

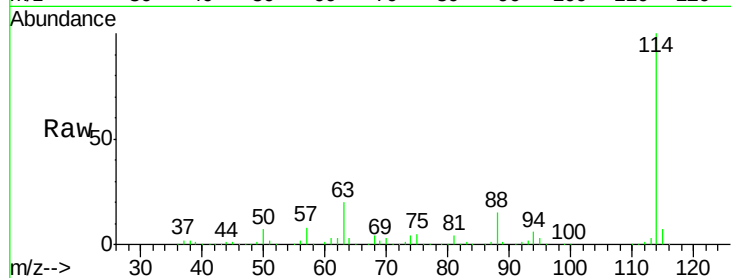
Tot Ion:114 Resp: 1840605

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.8

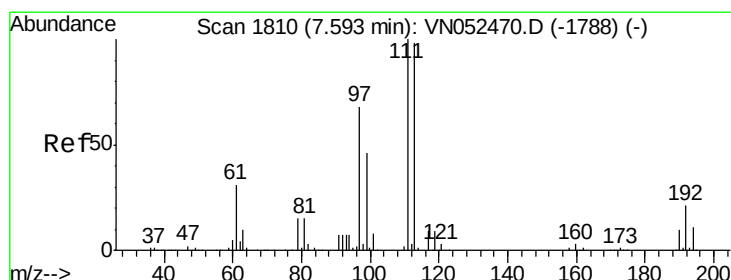
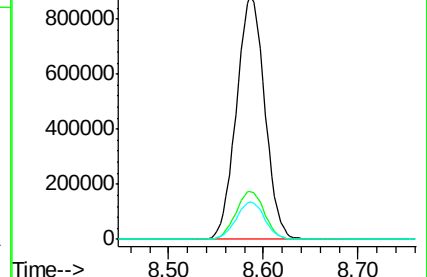
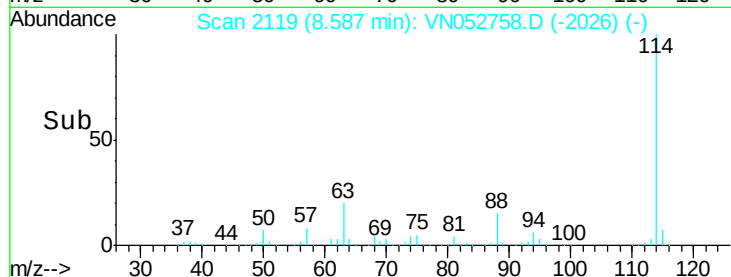
88 15.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052758.D

Acq: 10 Dec 2018 17:23

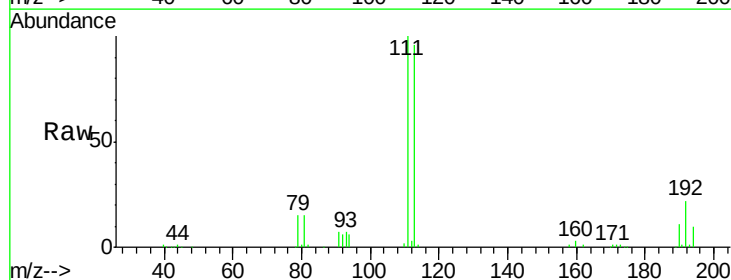
Tgt Ion:113 Resp: 490221

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

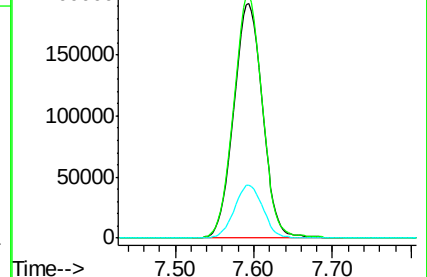
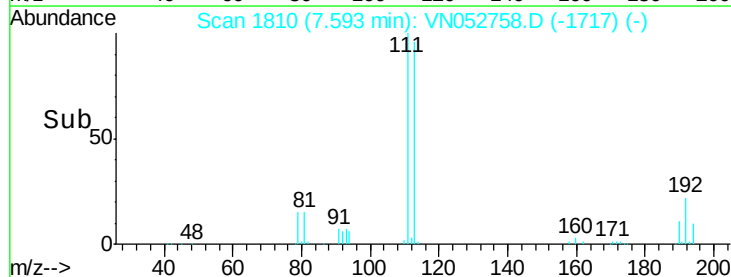
192 22.3 17.0 25.6

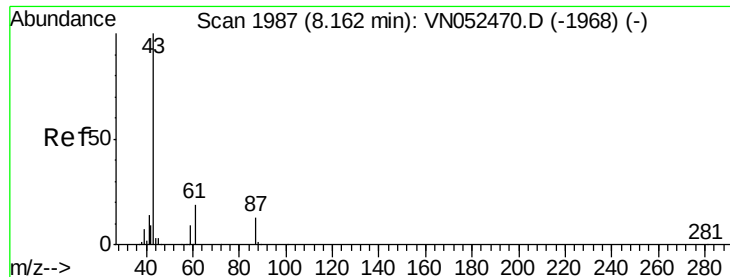


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 3.808 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052758.D

Acq: 10 Dec 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#07

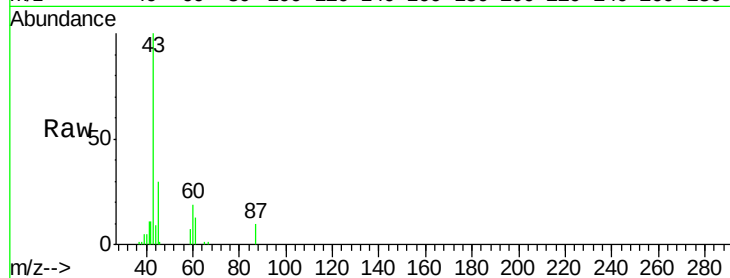
Tot Ion: 43 Resp: 68360

Ion Ratio Lower Upper

43 100

61 13.3 24.1 36.1#

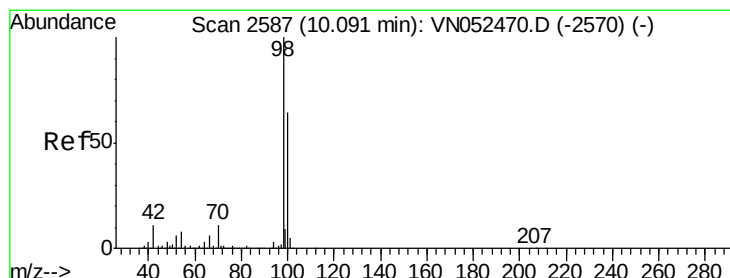
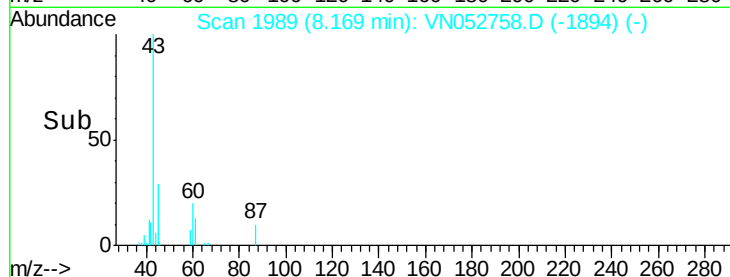
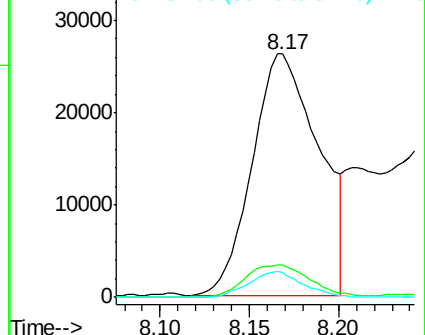
87 8.6 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052758.D

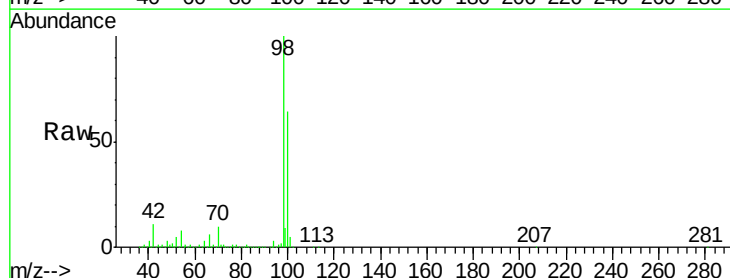
Acq: 10 Dec 2018 17:23

Tgt Ion: 98 Resp: 2246275

Ion Ratio Lower Upper

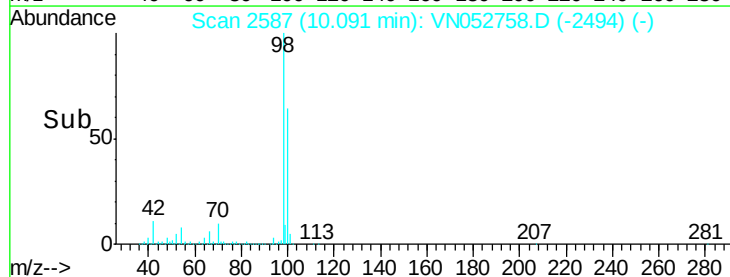
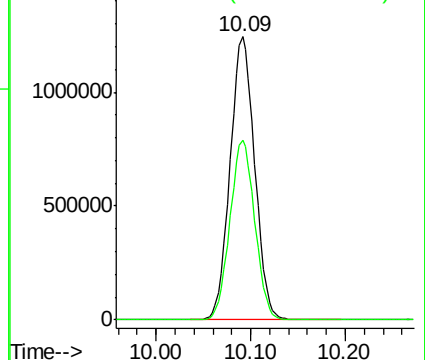
98 100

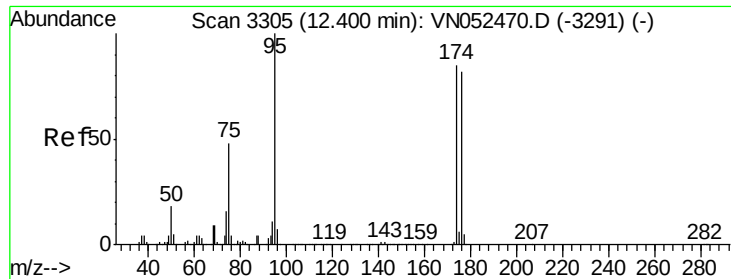
100 64.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052470.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052470.D (-2570) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052758.D

Acq: 10 Dec 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#07

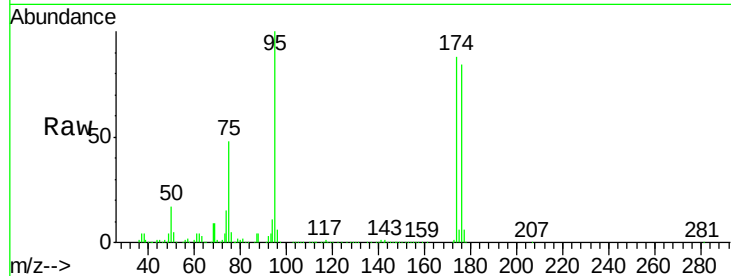
Tot Ion: 95 Resp: 740265

Ion Ratio Lower Upper

95 100

174 89.3 0.0 173.0

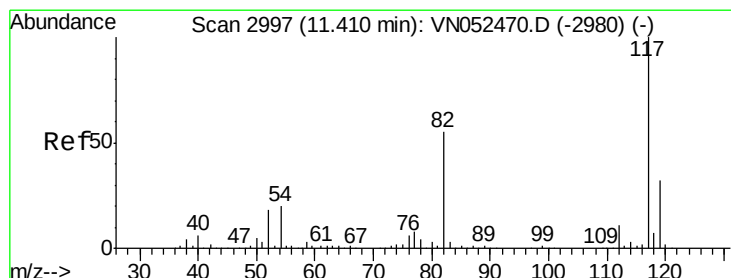
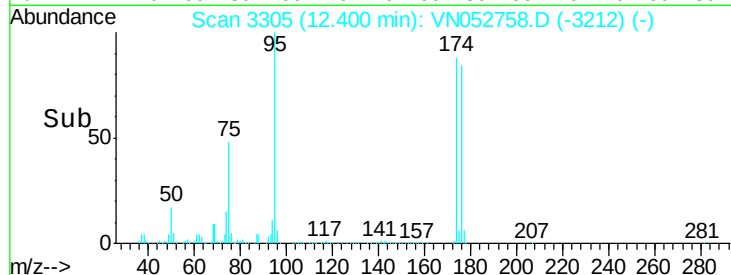
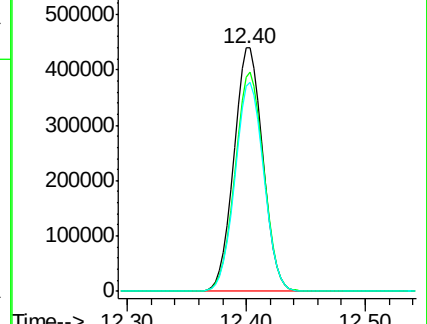
176 85.4 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VN052758.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN052758.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN052758.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN052758.D

Acq: 10 Dec 2018 17:23

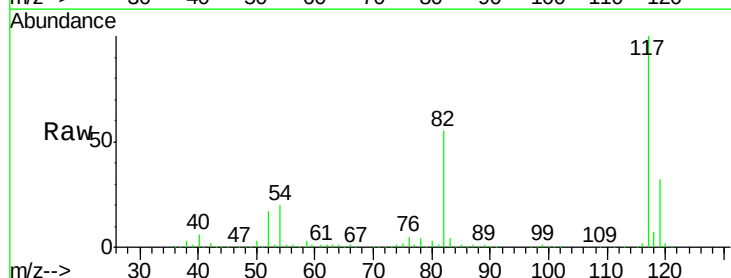
Tgt Ion: 117 Resp: 1641766

Ion Ratio Lower Upper

117 100

82 54.5 43.6 65.4

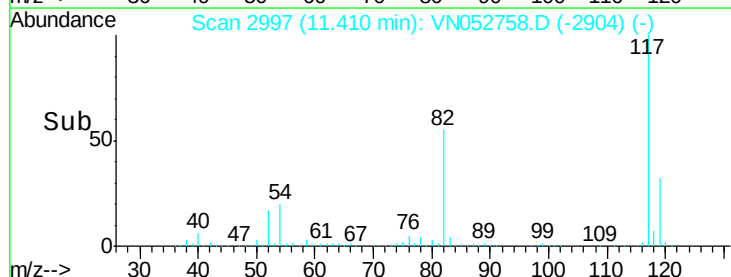
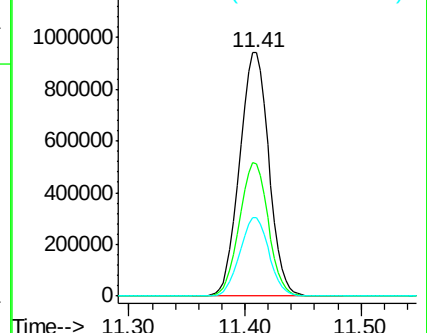
119 32.0 25.4 38.2

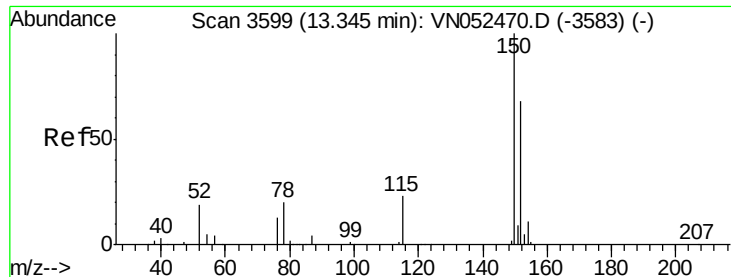


Abundance Ion 116.90 (116.60 to 117.60): VN052758.D (-2904) (-)

Ion 82.00 (81.70 to 82.70): VN052758.D (-2904) (-)

Ion 118.90 (118.60 to 119.60): VN052758.D (-2904) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052758.D

Acq: 10 Dec 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

PB115448ZHE#07

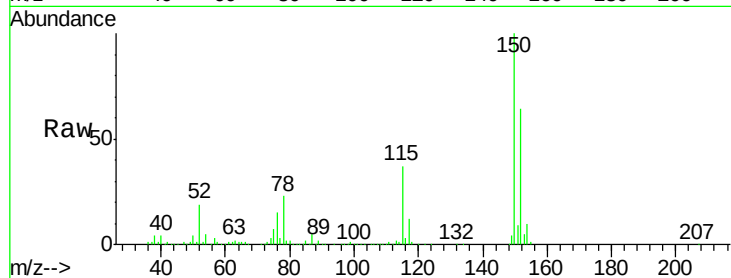
Tot Ion:152 Resp: 689161

Ion Ratio Lower Upper

152 100

115 57.2 28.4 85.2

150 158.0 0.0 346.0



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

