

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050602.D
 Acq On : 14 Aug 2018 15:11
 Operator : MD\SY
 Sample : PB112007ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112007ZHE#03

Quant Time: Aug 15 11:28:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	621439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1020709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	847581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	265829	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	421140	53.76	ug/l	0.00
Spiked Amount			Recovery	=	107.52%	
35) Dibromofluoromethane	7.59	113	395245	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	10.09	98	1393749	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	
62) 4-Bromofluorobenzene	12.40	95	355329	35.07	ug/l	0.00
Spiked Amount			Recovery	=	70.14%	

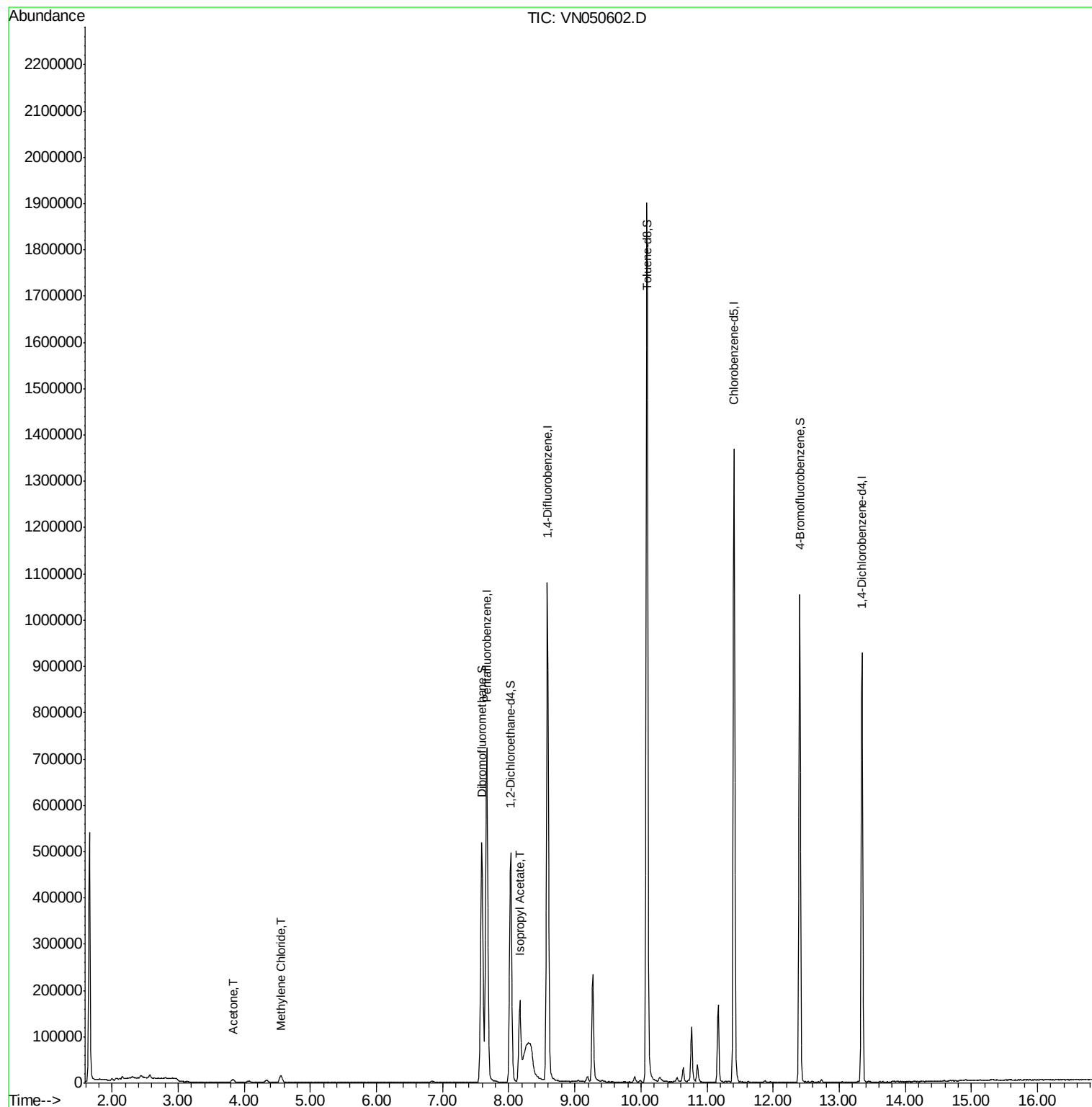
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	13547	5.51	ug/l	98
20) Methylene Chloride	4.56	84	12086	0.36	ug/l	98
43) Isopropyl Acetate	8.17	43	221430	18.92	ug/l	98

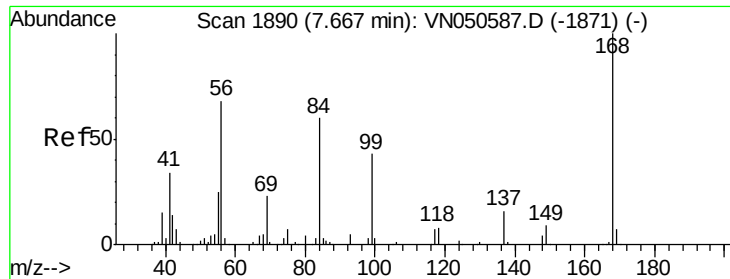
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

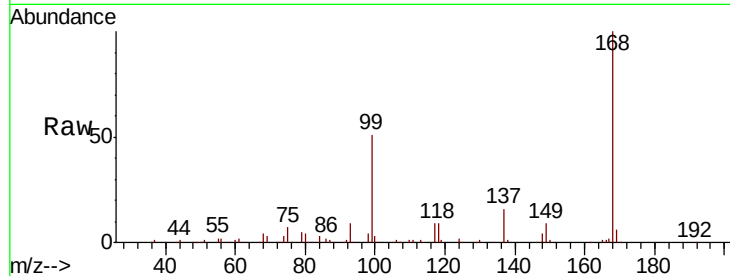
PB112007ZHE#03

Tot Ion:168 Resp: 621439

Ion Ratio Lower Upper

168 100

99 50.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

250000

200000

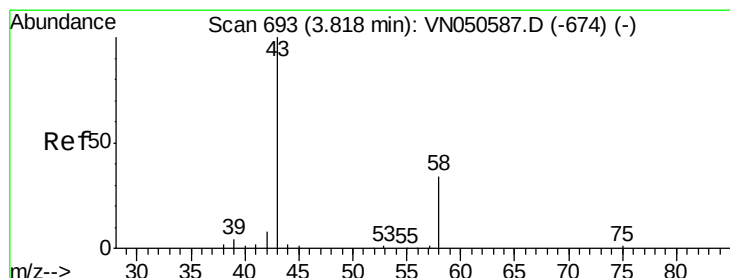
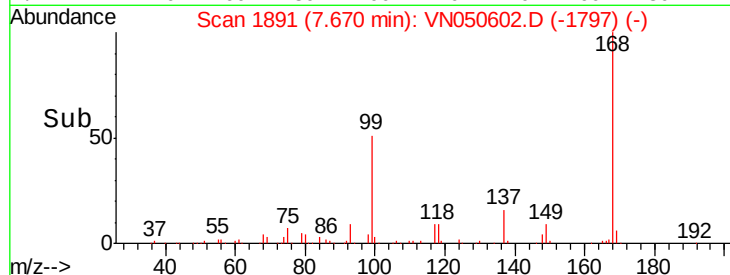
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.51 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050602.D

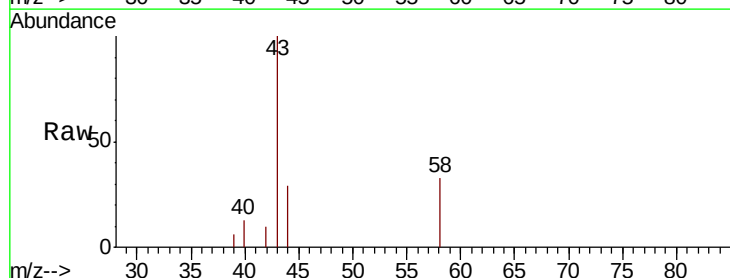
Acq: 14 Aug 2018 15:11

Tgt Ion: 43 Resp: 13547

Ion Ratio Lower Upper

43 100

58 32.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-674) (-)

Ion 58.00 (57.70 to 58.70): VN050587.D (-674) (-)

3.83

5000

4000

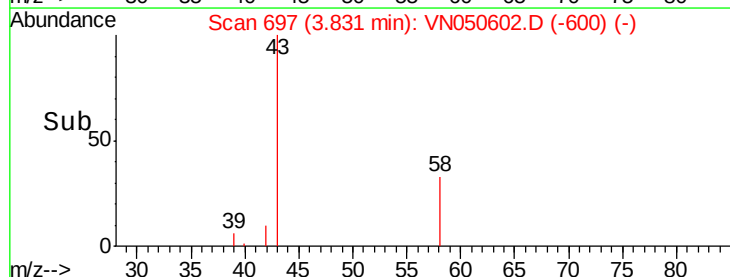
3000

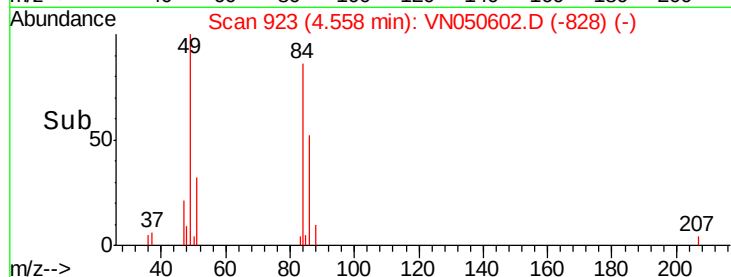
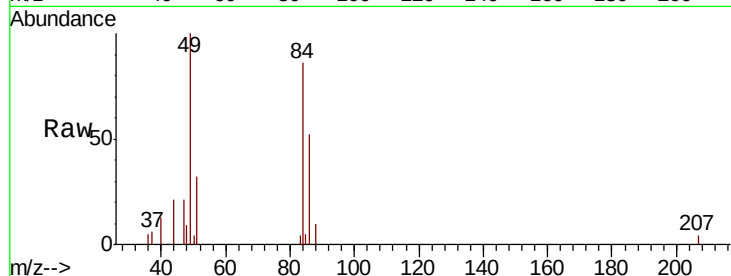
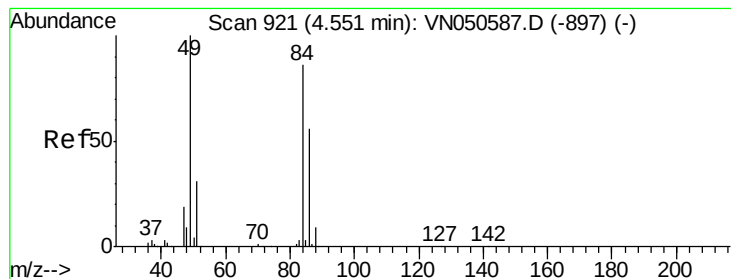
2000

1000

0

Time-->





#20

Methylene Chloride

Concen: 0.36 ug/l

RT: 4.56 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

PB112007ZHE#03

Tot Ion: 84 Resp: 12086

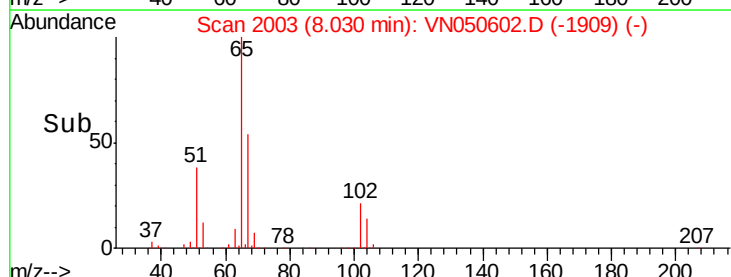
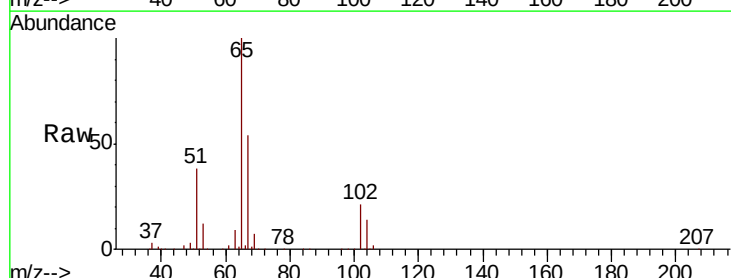
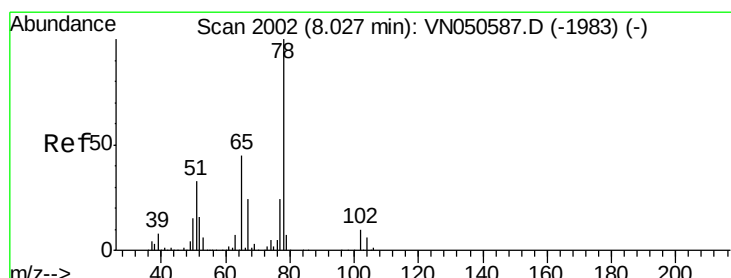
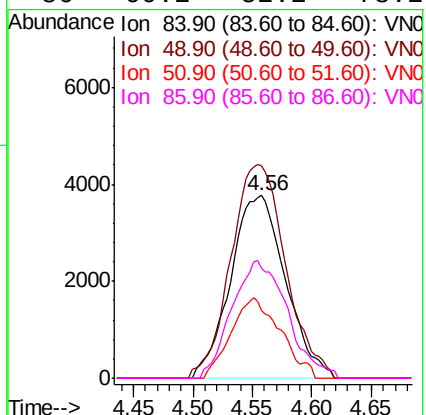
Ion Ratio Lower Upper

84 100

49 115.9 92.6 138.8

51 37.4 28.6 43.0

86 60.2 52.2 78.2



#33

1,2-Dichloroethane-d4

Concen: 53.76 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050602.D

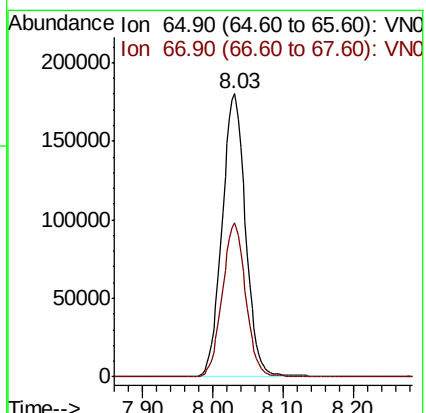
Acq: 14 Aug 2018 15:11

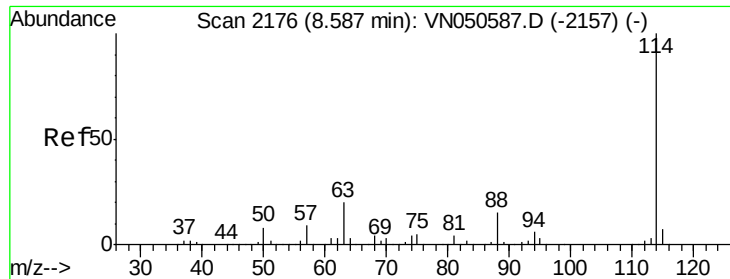
Tgt Ion: 65 Resp: 421140

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

PB112007ZHE#03

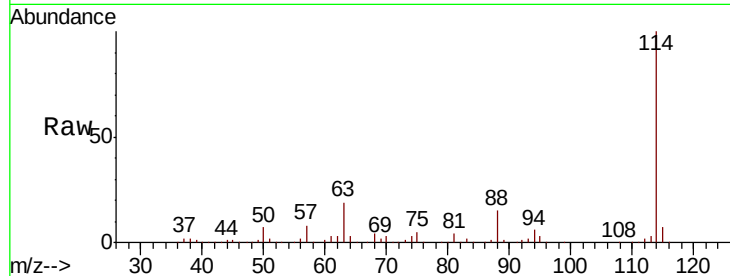
Tot Ion:114 Resp: 1020709

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

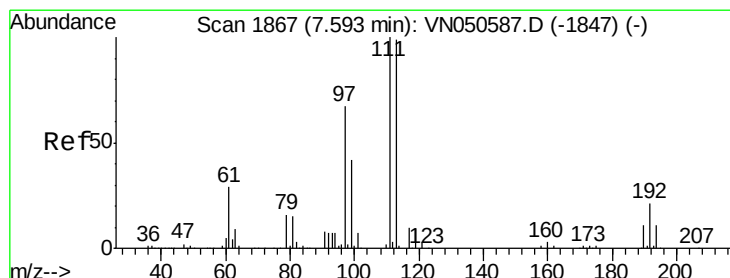
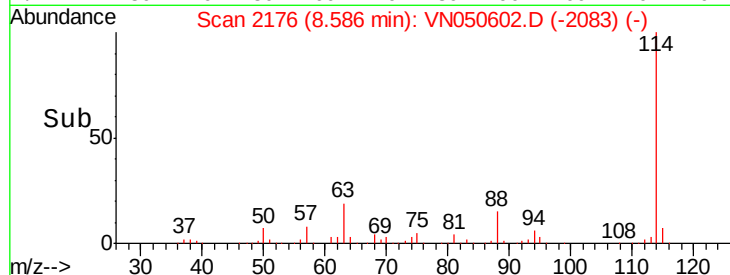
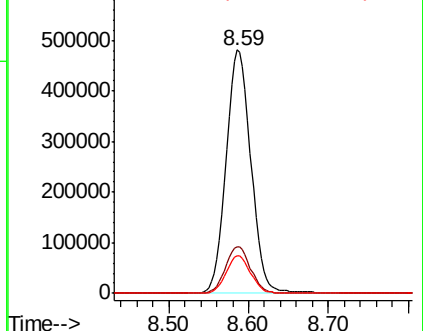
88 15.5 0.0 30.8



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: 48.50 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

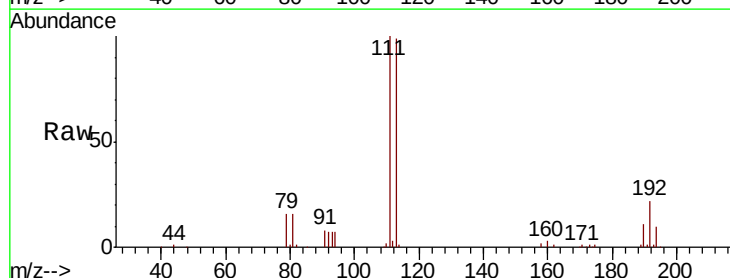
Tgt Ion:113 Resp: 395245

Ion Ratio Lower Upper

113 100

111 102.3 81.0 121.6

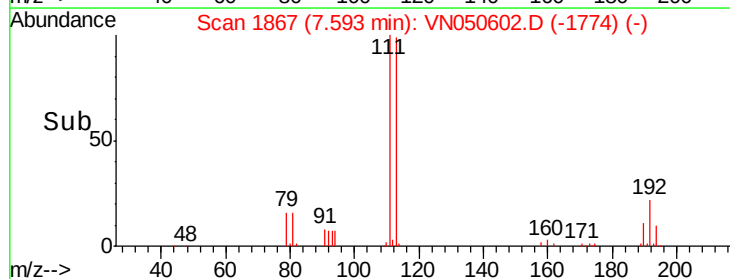
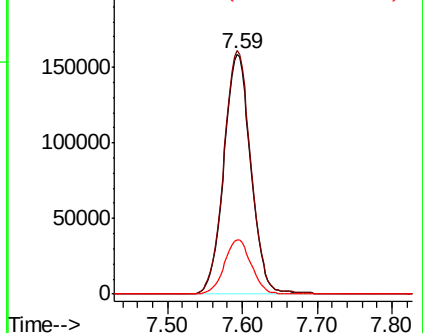
192 22.6 17.6 26.4

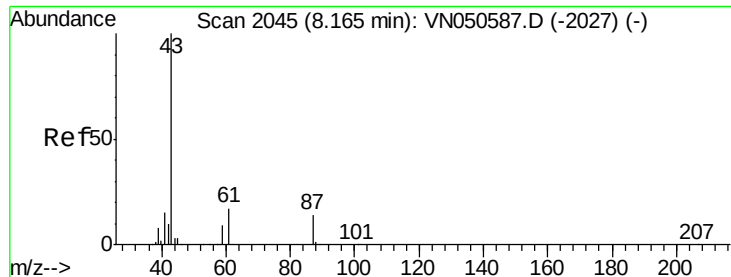


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 18.92 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

PB112007ZHE#03

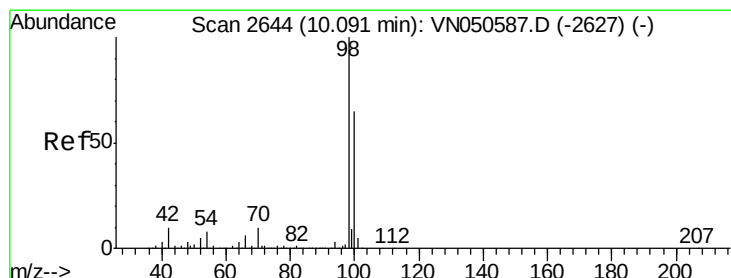
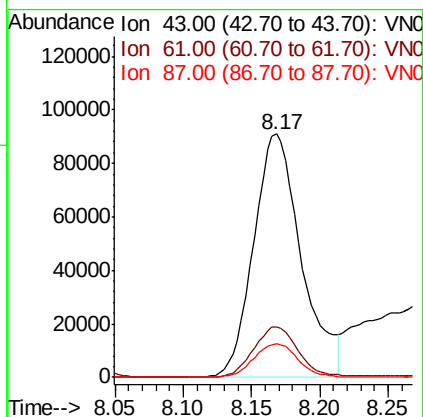
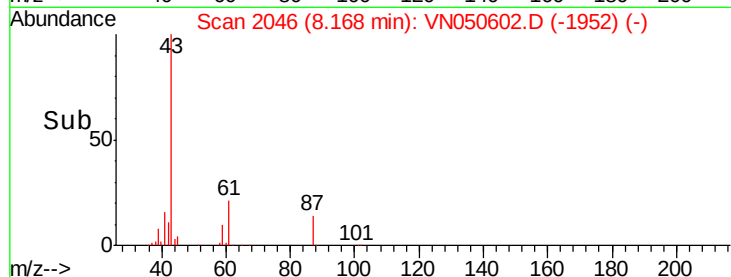
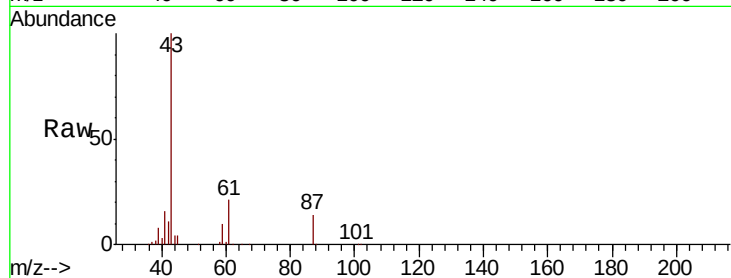
Tot Ion: 43 Resp: 221430

Ion Ratio Lower Upper

43 100

61 19.4 16.2 24.2

87 12.8 10.9 16.3



#50

Toluene-d8

Concen: 45.44 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050602.D

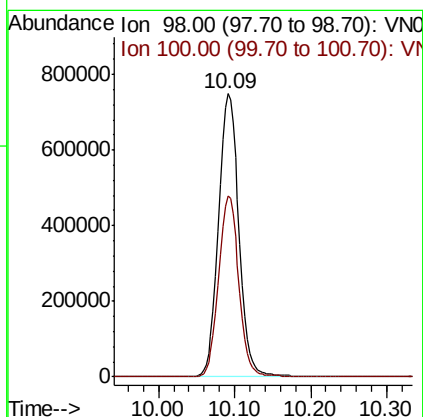
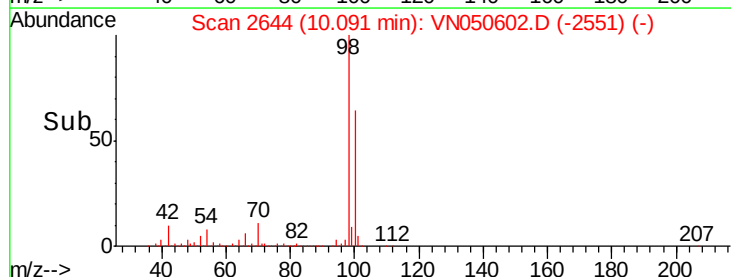
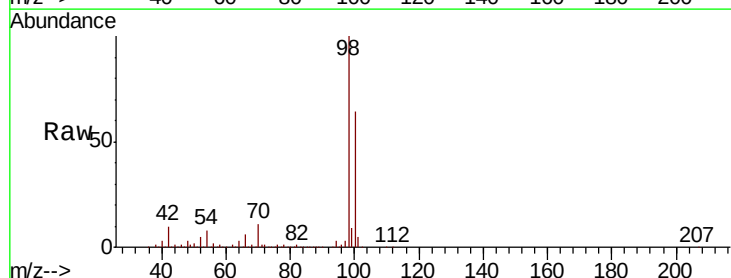
Acq: 14 Aug 2018 15:11

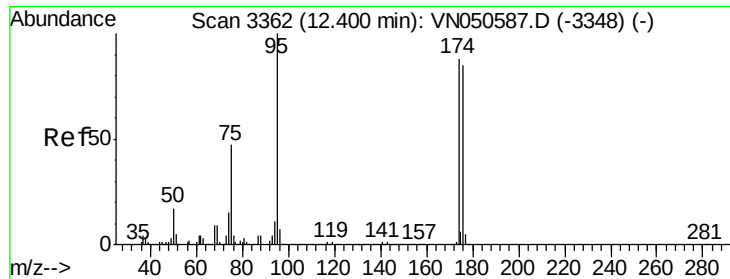
Tgt Ion: 98 Resp: 1393749

Ion Ratio Lower Upper

98 100

100 63.4 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 35.07 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

PB112007ZHE#03

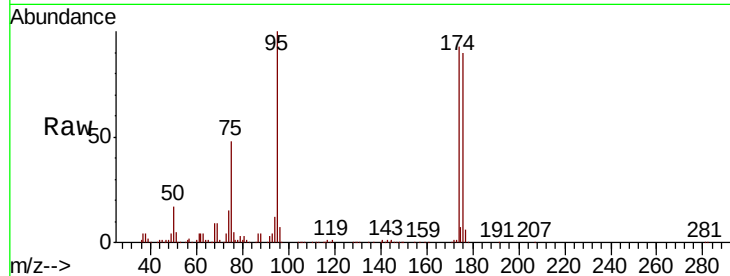
Tot Ion: 95 Resp: 355329

Ion Ratio Lower Upper

95 100

174 91.9 0.0 177.8

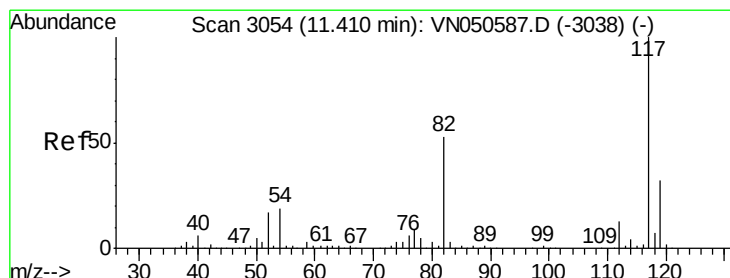
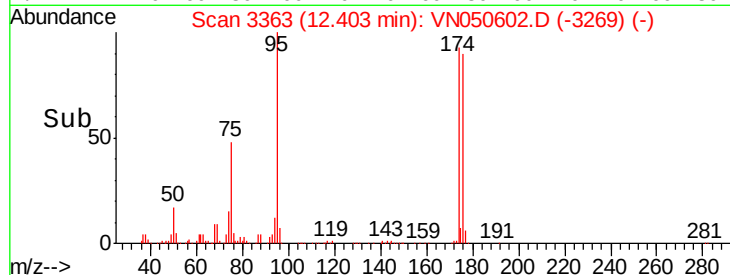
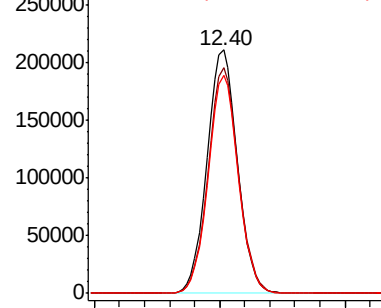
176 88.4 0.0 175.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

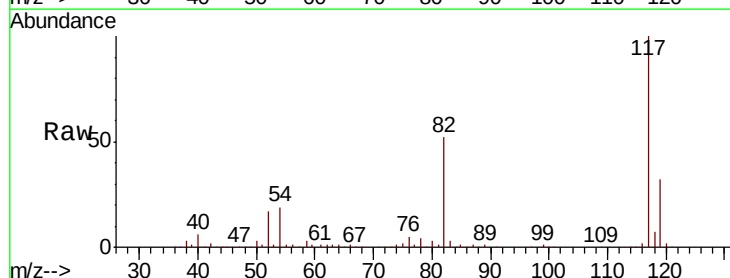
Tgt Ion: 117 Resp: 847581

Ion Ratio Lower Upper

117 100

82 52.5 42.4 63.6

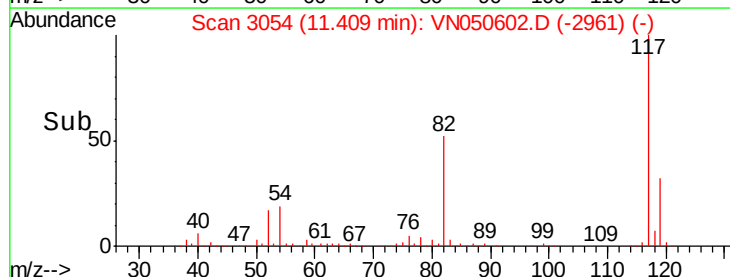
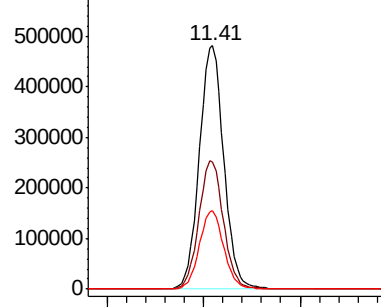
119 32.1 25.8 38.8

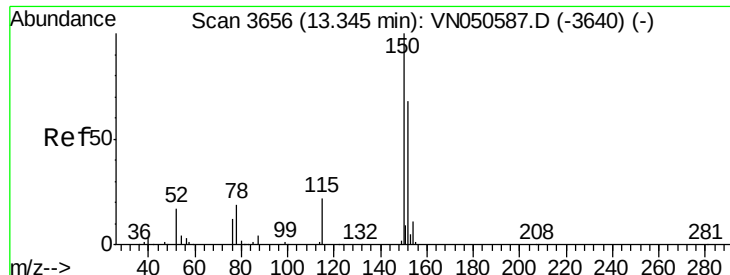


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050602.D

Acq: 14 Aug 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

PB112007ZHE#03

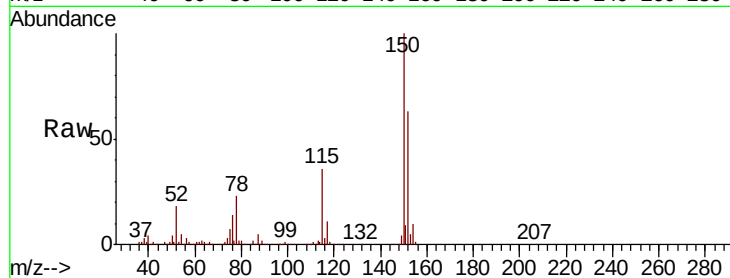
Tot Ion:152 Resp: 265829

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

150 156.8 0.0 347.8



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

