

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081618\
 Data File : VN050701.D
 Acq On : 16 Aug 2018 15:06
 Operator : MD\SY
 Sample : PB112098ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112098ZHE#05

Quant Time: Aug 17 04:25:48 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

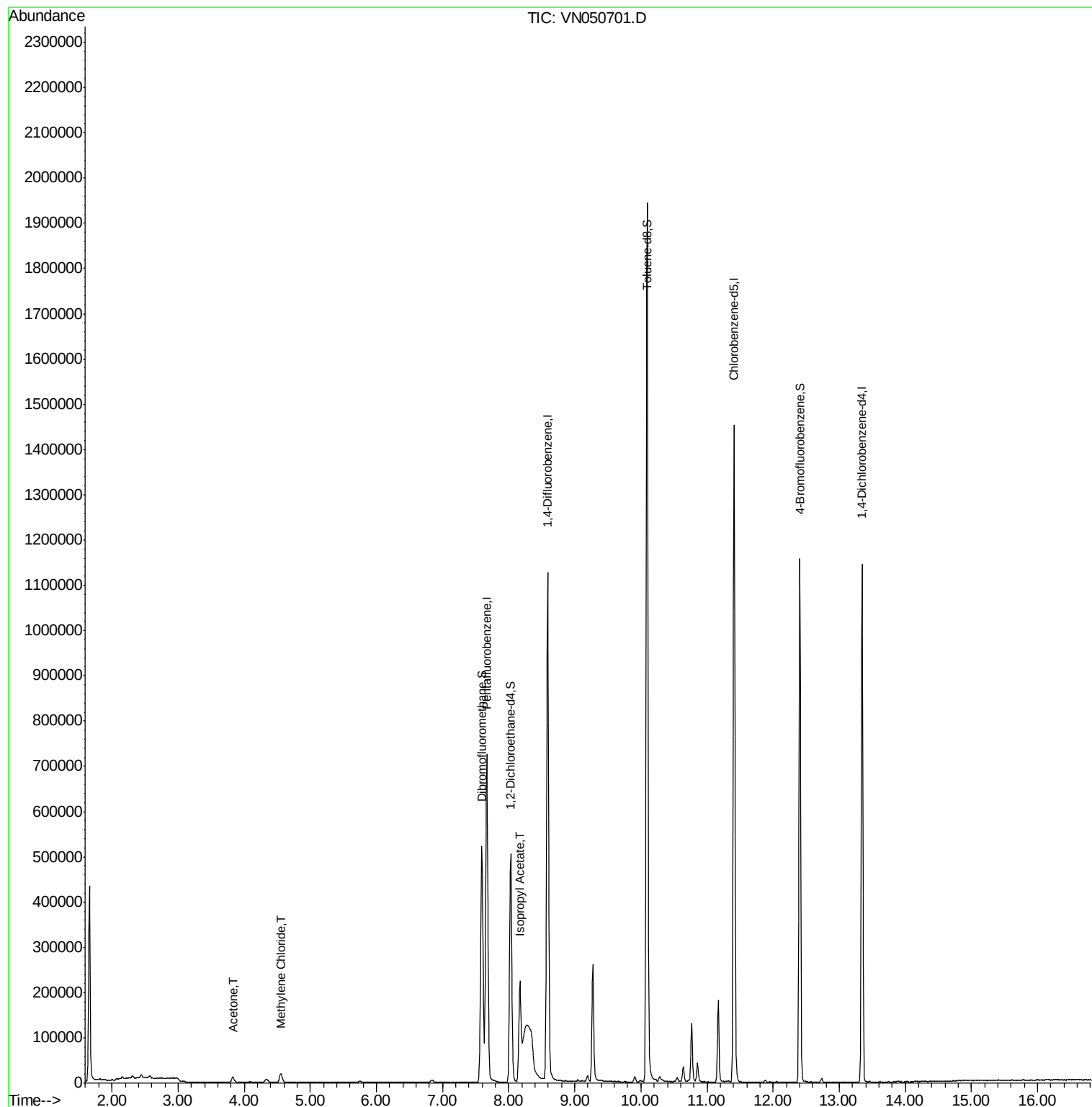
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	621456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1053360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	905034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	321771	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	430760	54.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.98%	
35) Dibromofluoromethane	7.59	113	401323	47.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.44%	
50) Toluene-d8	10.09	98	1422652	44.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.90%	
62) 4-Bromofluorobenzene	12.40	95	393150	37.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.20%	
Target Compounds						
16) Acetone	3.83	43	21356	9.52	ug/l	98
20) Methylene Chloride	4.55	84	15848	0.88	ug/l	94
43) Isopropyl Acetate	8.17	43	274183	22.70	ug/l	97

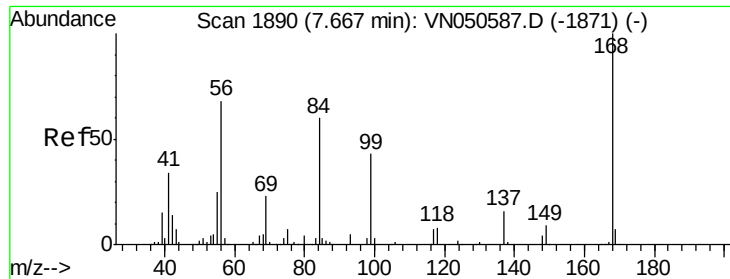
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050701.D

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MSVOA_N

ClientSampleId :

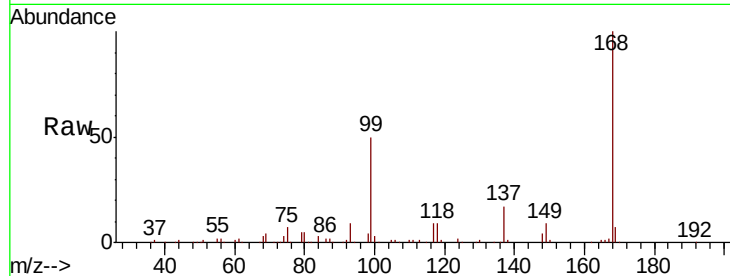
PB112098ZHE#05

Tot Ion:168 Resp: 621456

Ion Ratio Lower Upper

168 100

99 49.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

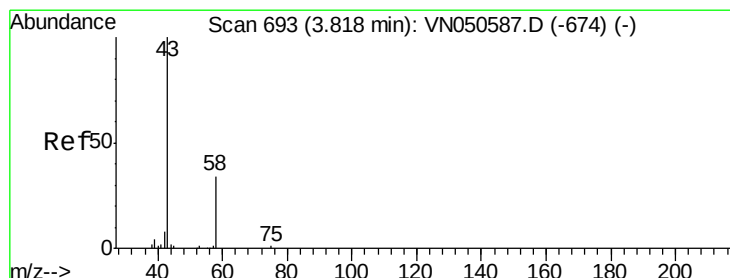
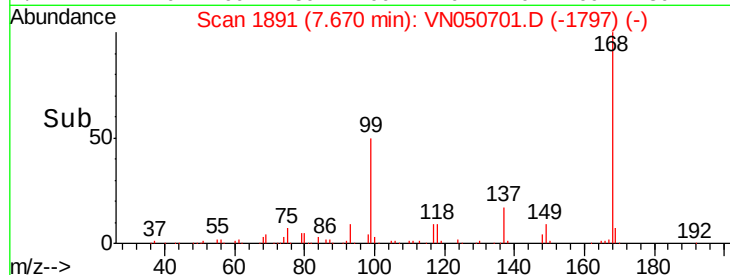
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 9.52 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050701.D

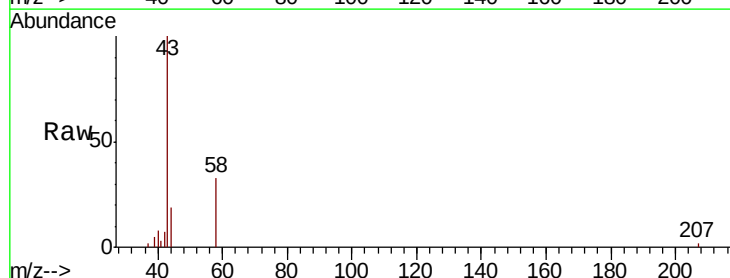
Acq: 16 Aug 2018 15:06

Tgt Ion: 43 Resp: 21356

Ion Ratio Lower Upper

43 100

58 32.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

8000

6000

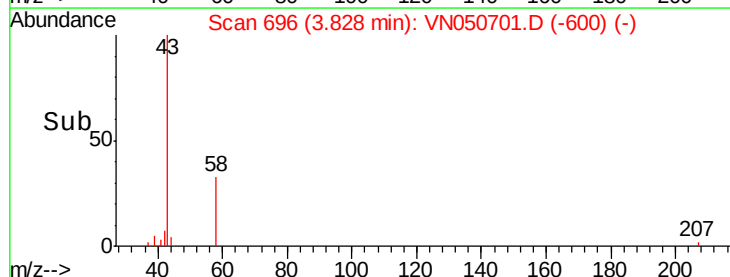
4000

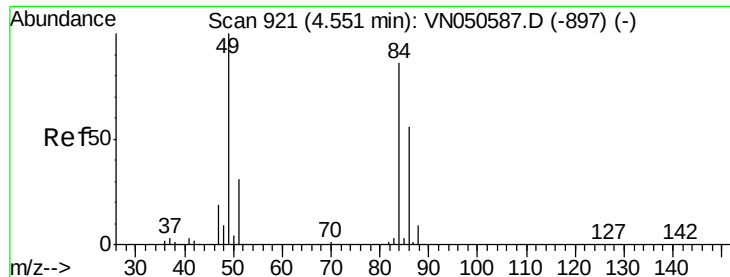
2000

0

3.70 3.80 3.90 4.00

Time-->

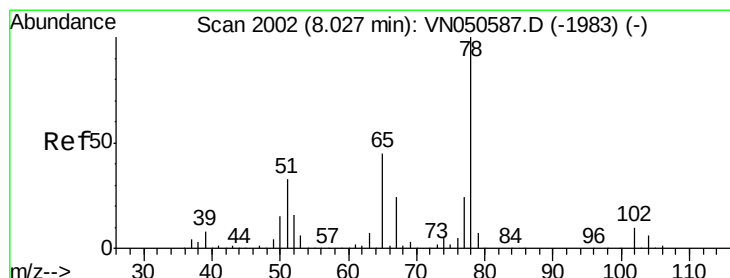
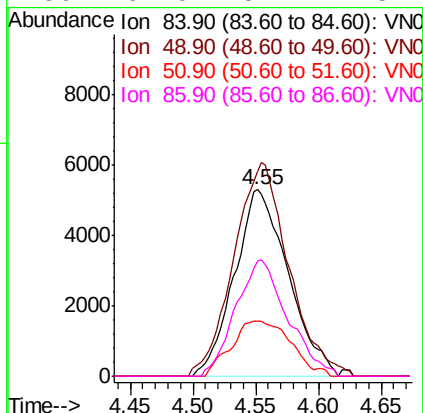
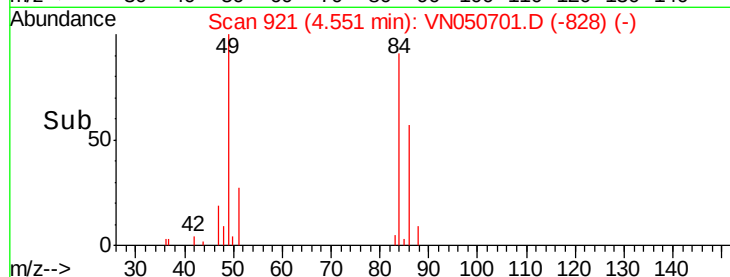
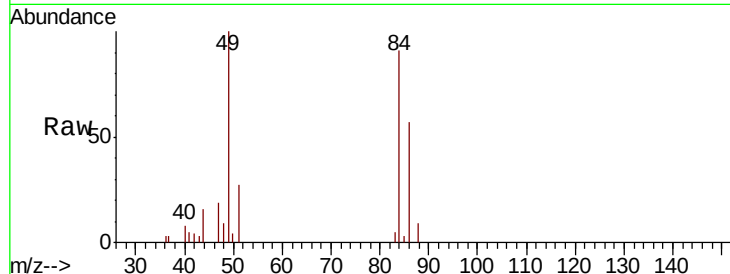




#20
Methylene Chloride
Concen: 0.88 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050701.D
Acq: 16 Aug 2018 15:06

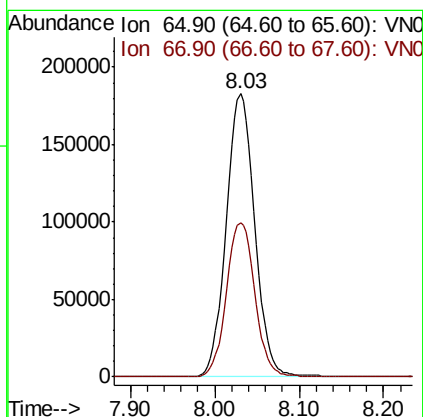
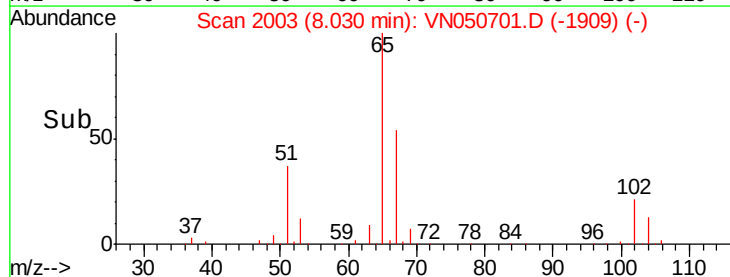
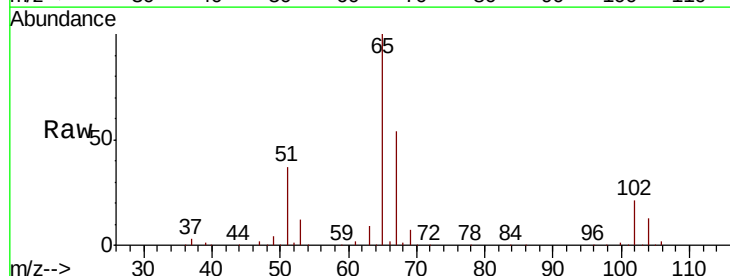
Instrument :
MSVOA_N
ClientSampleId :
PB112098ZHE#05

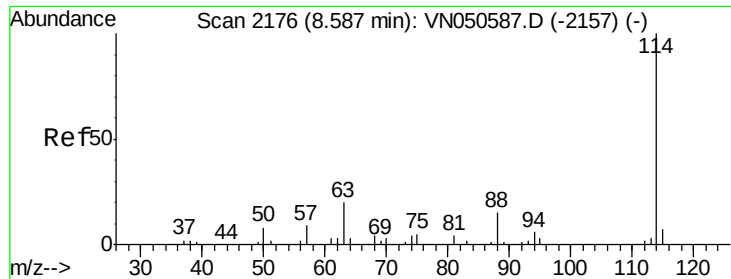
Tot Ion: 84 Resp: 15848
Ion Ratio Lower Upper
84 100
49 109.5 92.6 138.8
51 29.7 28.6 43.0
86 62.0 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 54.99 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050701.D
Acq: 16 Aug 2018 15:06

Tgt Ion: 65 Resp: 430760
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.8

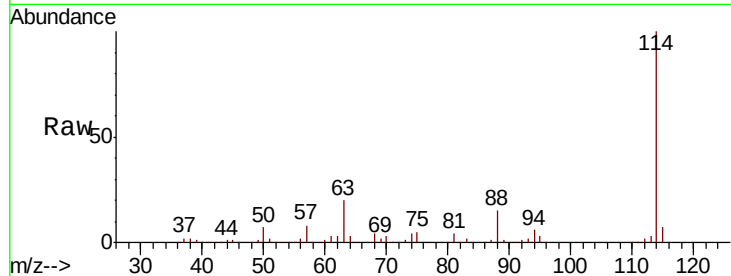




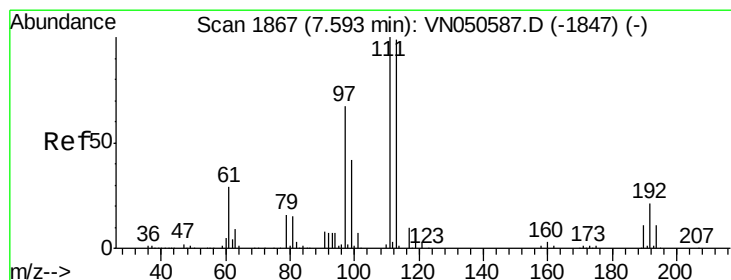
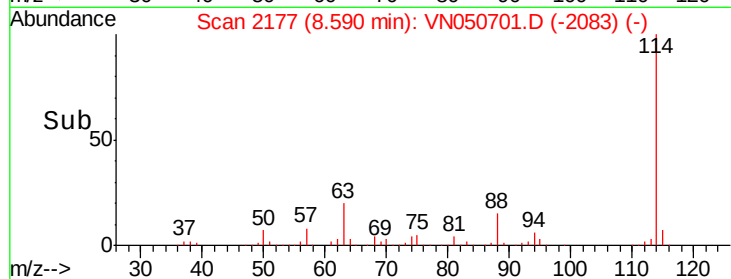
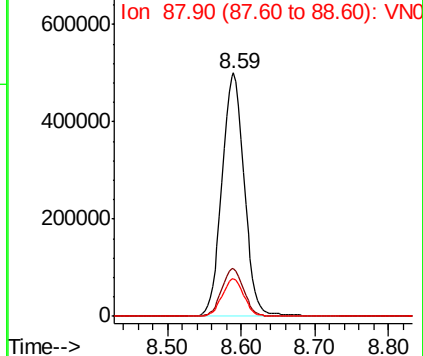
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050701.D
 Acq: 16 Aug 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112098ZHE#05

Tot Ion:114 Resp: 1053360
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.4 0.0 30.8

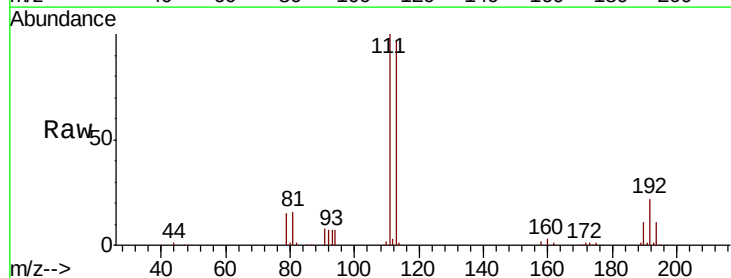


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

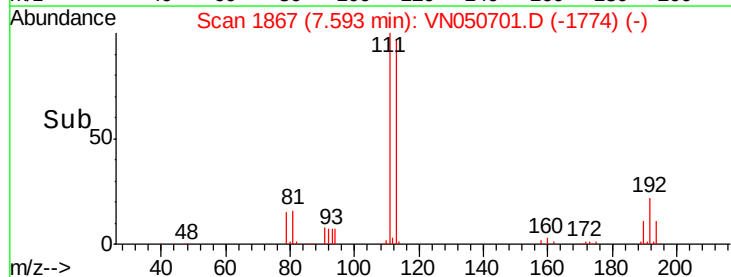
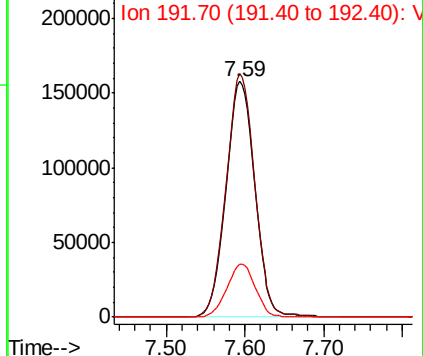


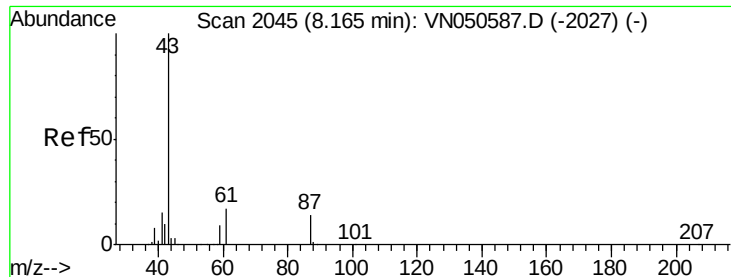
#35
 Dibromofluoromethane
 Concen: 47.72 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050701.D
 Acq: 16 Aug 2018 15:06

Tgt Ion:113 Resp: 401323
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.0 121.6
 192 22.2 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: 22.70 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050701.D

Acq: 16 Aug 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

PB112098ZHE#05

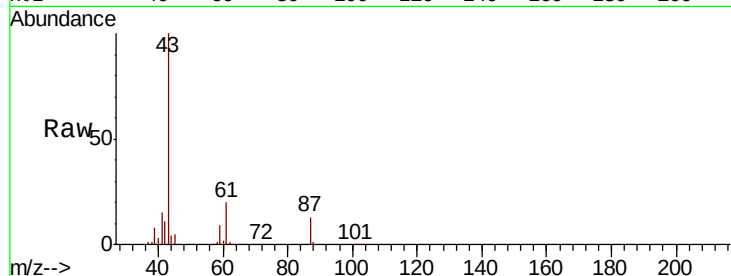
Tot Ion: 43 Resp: 274183

Ion Ratio Lower Upper

43 100

61 19.1 16.2 24.2

87 12.1 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050587.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050587.D (-2027) (-)

8.17

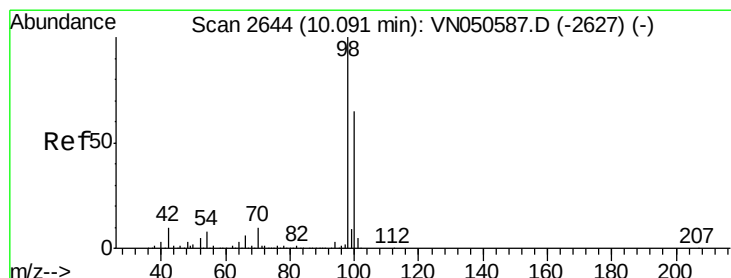
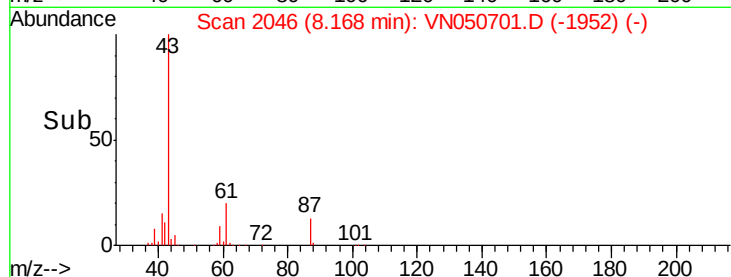
150000

100000

50000

0

Time--> 8.05 8.10 8.15 8.20



#50

Toluene-d8

Concen: 44.95 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050701.D

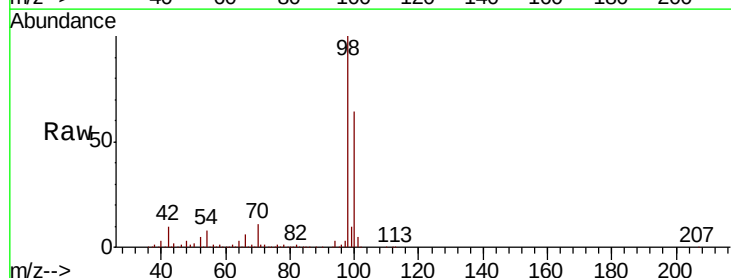
Acq: 16 Aug 2018 15:06

Tgt Ion: 98 Resp: 1422652

Ion Ratio Lower Upper

98 100

100 63.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN050587.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050587.D (-2627) (-)

10.09

800000

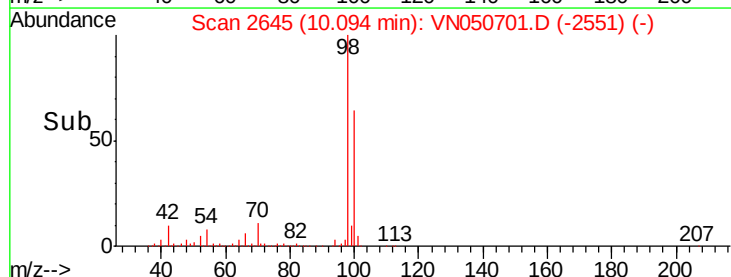
600000

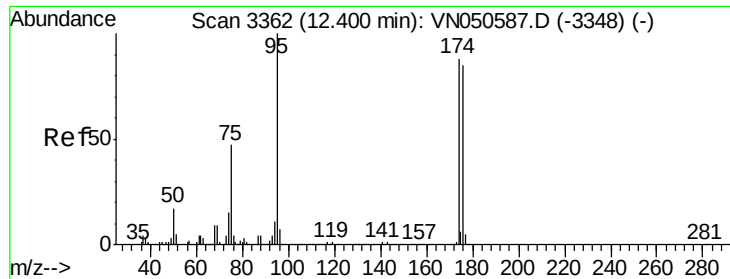
400000

200000

0

Time--> 10.00 10.10 10.20





#62

4-Bromofluorobenzene

Concen: 37.60 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050701.D

Acq: 16 Aug 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

PB112098ZHE#05

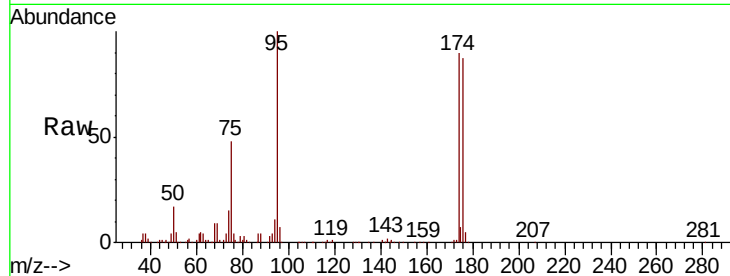
Tot Ion: 95 Resp: 393150

Ion Ratio Lower Upper

95 100

174 91.8 0.0 177.8

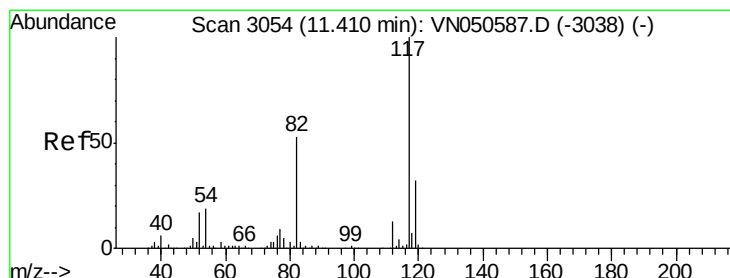
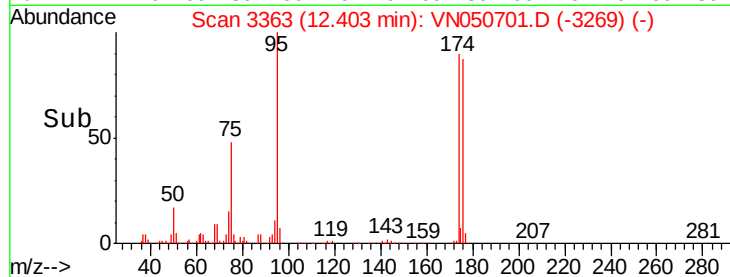
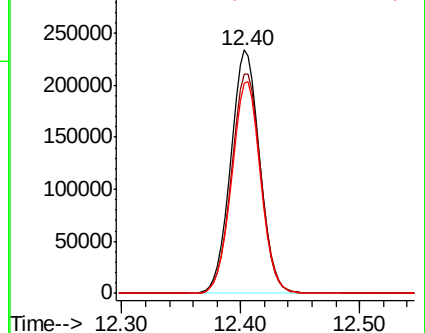
176 87.0 0.0 175.0



Abundance Ion 94.90 (94.60 to 95.60): VN050587.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050587.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050587.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050701.D

Acq: 16 Aug 2018 15:06

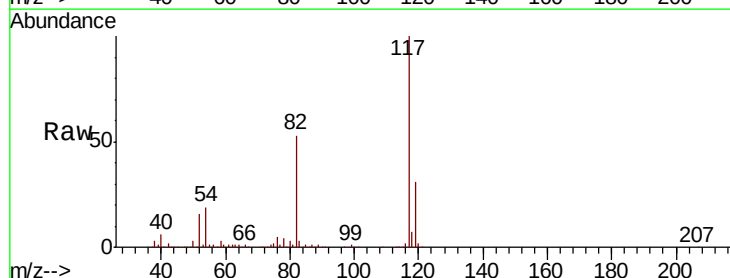
Tgt Ion: 117 Resp: 905034

Ion Ratio Lower Upper

117 100

82 52.7 42.4 63.6

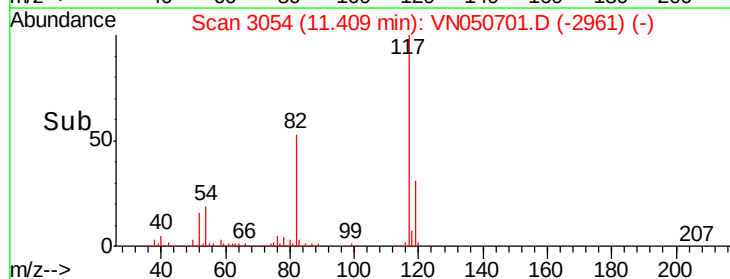
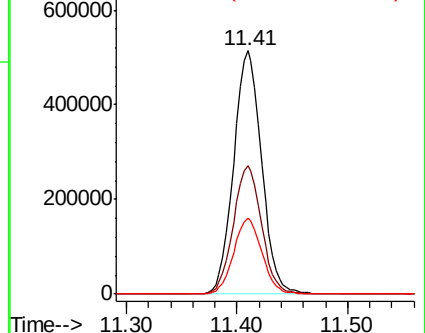
119 31.0 25.8 38.8

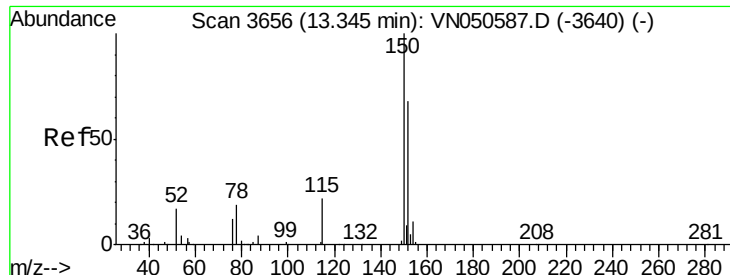


Abundance Ion 116.90 (116.60 to 117.60): VN050587.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050587.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050587.D (-3038) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050701.D

Acq: 16 Aug 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

PB112098ZHE#05

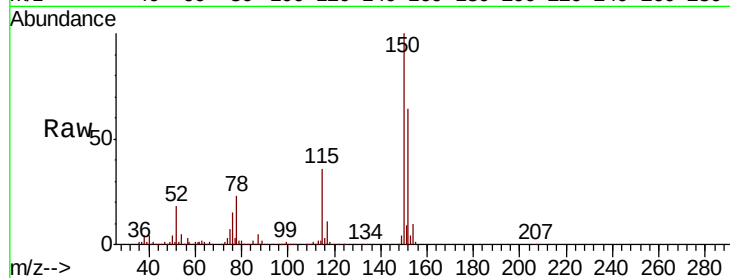
Tot Ion:152 Resp: 321771

Ion Ratio Lower Upper

152 100

115 56.9 28.1 84.2

150 156.1 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

