

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\
 Data File : VN052130.D
 Acq On : 2 Nov 2018 15:43
 Operator : MD\SY
 Sample : PB114370ZHE#19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114370ZHE#19

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 11:53:17 AM

Quant Time: Nov 02 23:35:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	277321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	519475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	505822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	207866	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	242781	54.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.10%	
35) Dibromofluoromethane	7.59	113	192496	59.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.46%	
50) Toluene-d8	10.09	98	777654	59.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.74%	
62) 4-Bromofluorobenzene	12.40	95	269305	56.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.96%	
Target Compounds						
16) Acetone	3.82	43	14911	15.697	ug/l	Qvalue 100
20) Methylene Chloride	4.56	84	6452m	1.783	ug/l	
43) Isopropyl Acetate	8.17	43	193417	30.759	ug/l	98

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

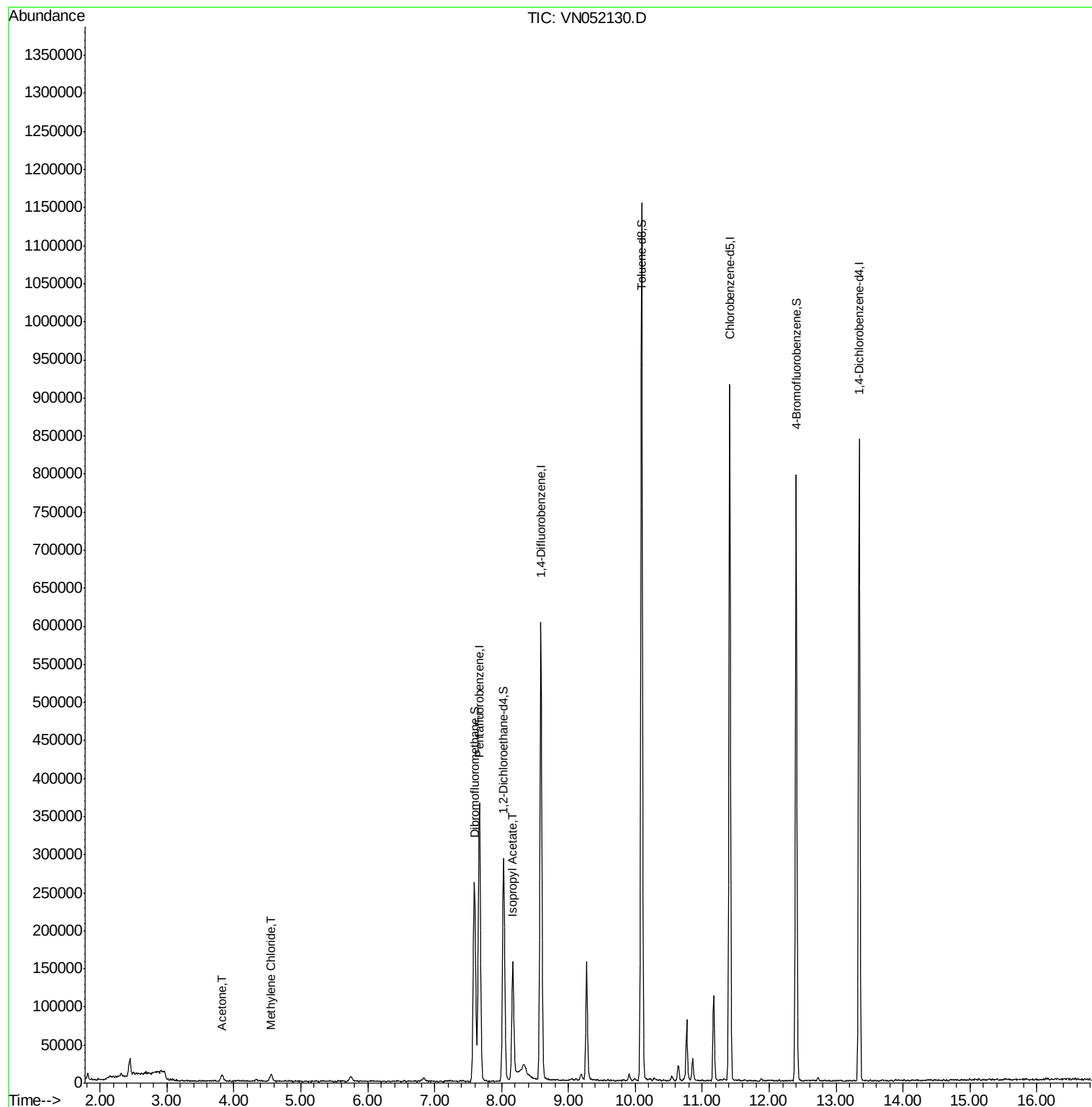
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110218\
Data File : VN052130.D
Acq On : 2 Nov 2018 15:43
Operator : MD\SY
Sample : PB114370ZHE#19
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 28

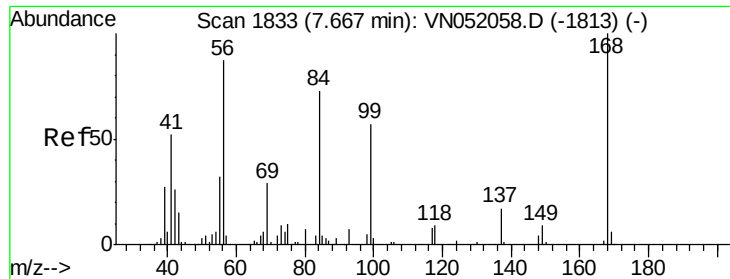
Instrument :
MSVOA_N
ClientSampleId :
PB114370ZHE#19

Manual Integrations
APPROVED

MMDadoda
11/5/2018 11:53:17 AM

Quant Time: Nov 02 23:35:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052130.D

Acq: 2 Nov 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#19

Tot Ion:168 Resp: 277321

Ion Ratio Lower Upper

168 100

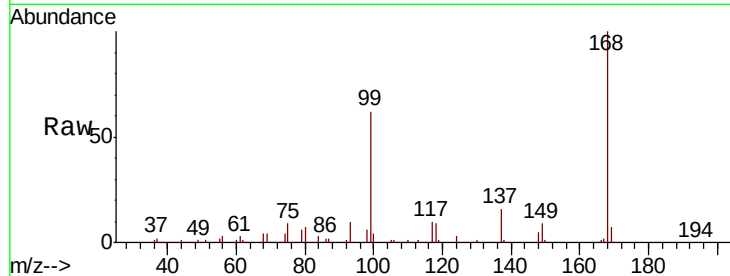
99 62.1 56.6 85.0

Manual Integrations

APPROVED

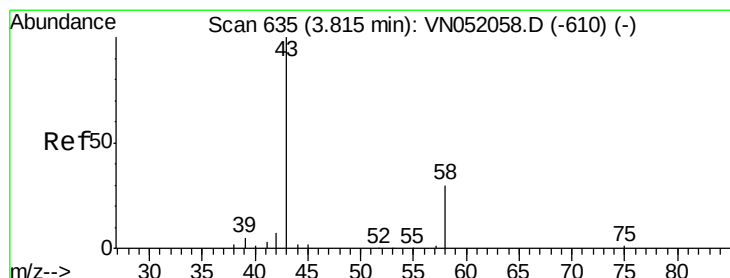
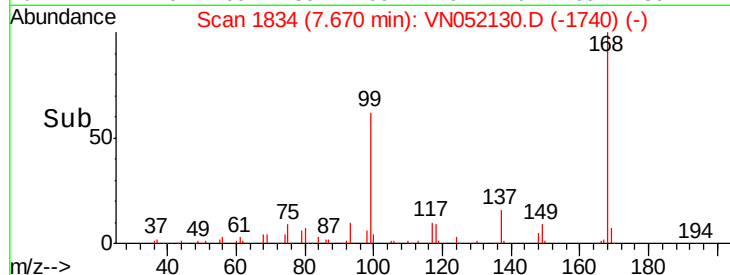
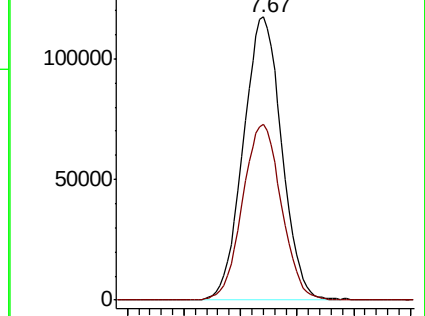
MMDadoda

11/5/2018 11:53:17 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 15.697 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052130.D

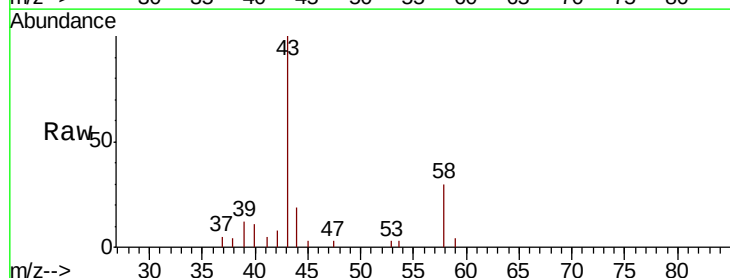
Acq: 2 Nov 2018 15:43

Tgt Ion: 43 Resp: 14911

Ion Ratio Lower Upper

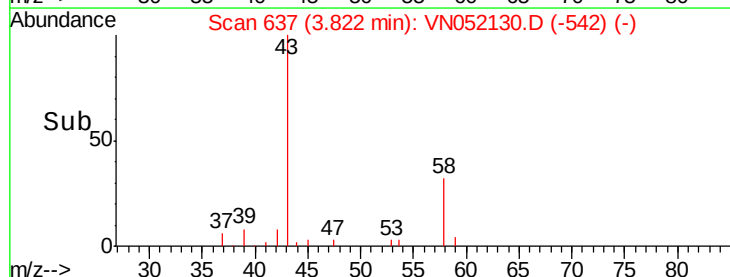
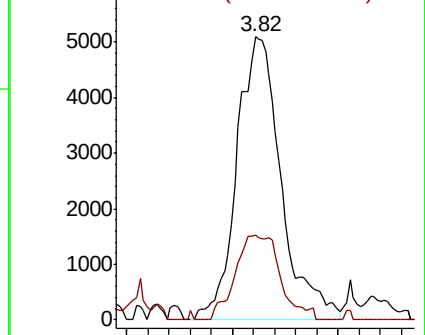
43 100

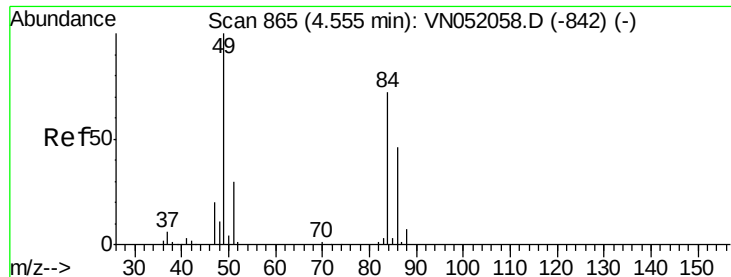
58 30.0 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





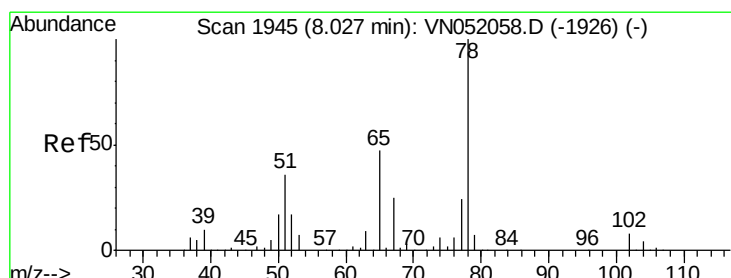
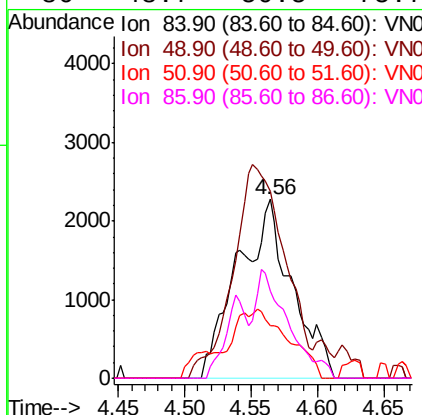
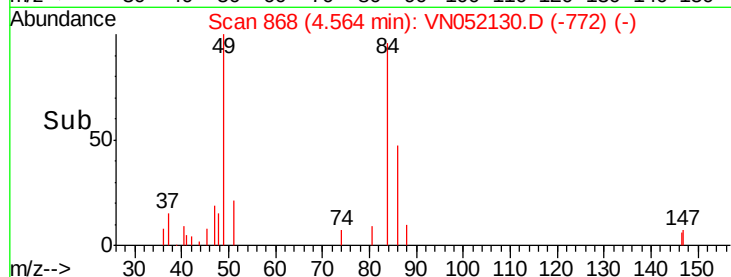
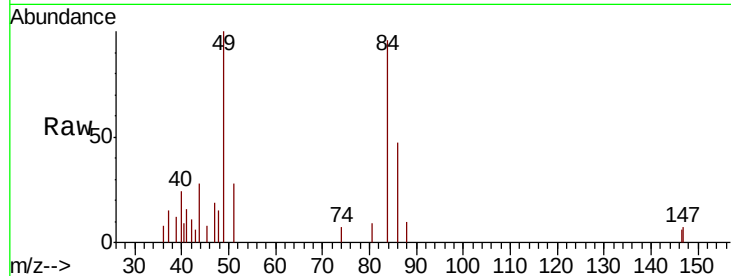
#20
Methylene Chloride
Concen: 1.783 ug/l m
RT: 4.56 min Scan# 868
Delta R.T. 0.01 min
Lab File: VN052130.D
Acq: 2 Nov 2018 15:43

Instrument :
MSVOA_N
ClientSampleId :
PB114370ZHE#19

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	104.7	110.6	165.8#	
51	29.2	33.7	50.5#	
86	48.7	50.5	75.7#	

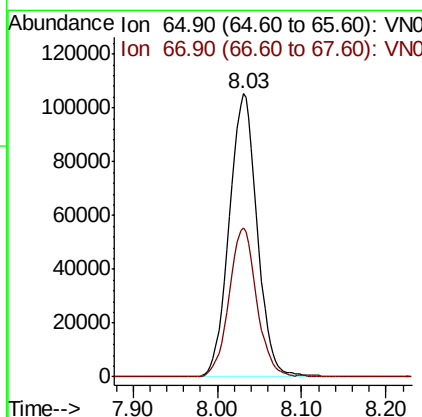
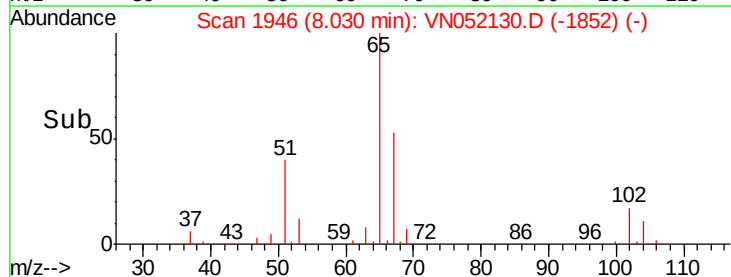
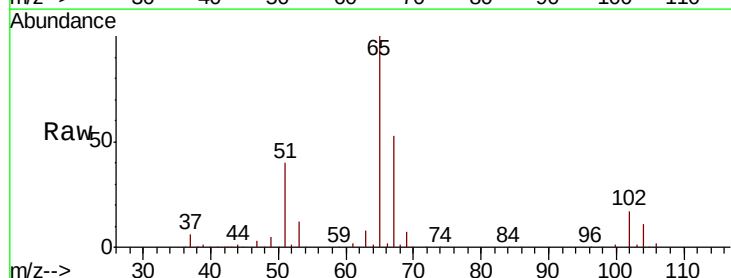
Manual Integrations
APPROVED

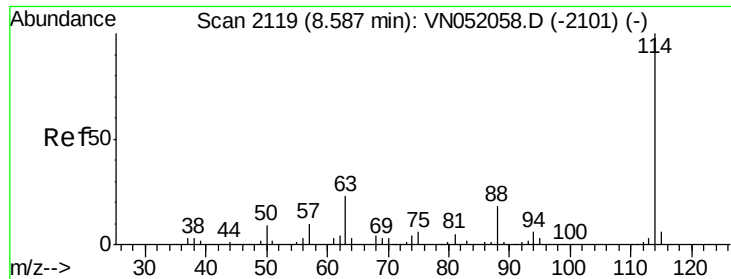
MMDadoda
11/5/2018 11:53:17 AM



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN052130.D
Acq: 2 Nov 2018 15:43

Tgt Ion	Ion	Ratio	Lower	Upper
65	100			
67	51.8	0.0	105.2	





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052130.D

Acq: 2 Nov 2018 15:43

Instrument :

MSVOA_N

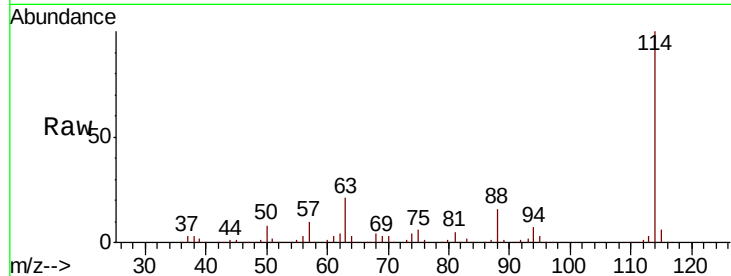
ClientSampleId :

PB114370ZHE#19

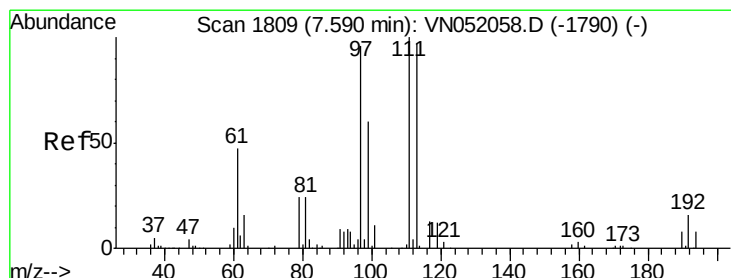
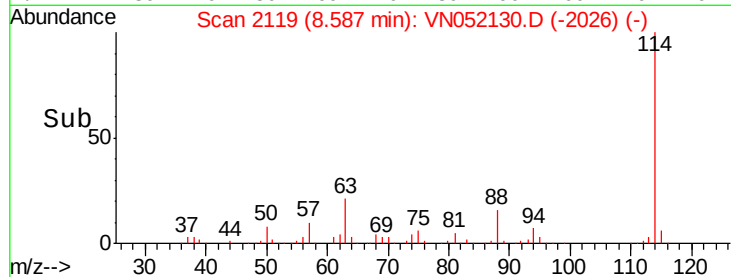
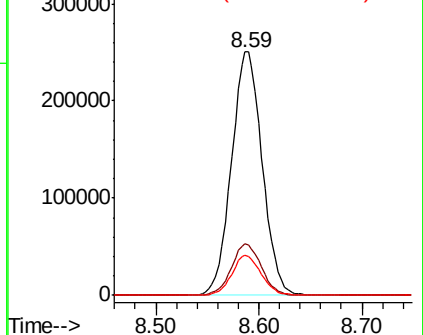
Tot Ion:	114	Resp:	519475
Ion Ratio	Lower	Upper	
114	100		
63	21.2	0.0	46.0
88	16.4	0.0	35.4

Manual Integrations
APPROVED

MMDadoda
11/5/2018 11:53:17 AM



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

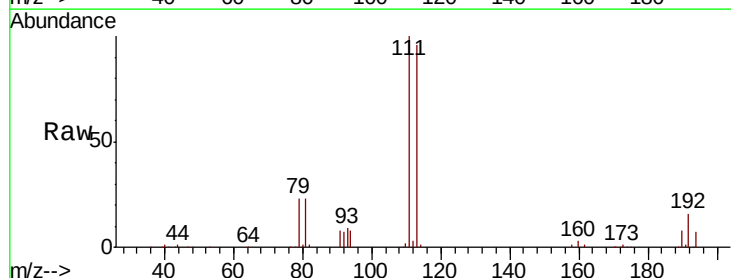
RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

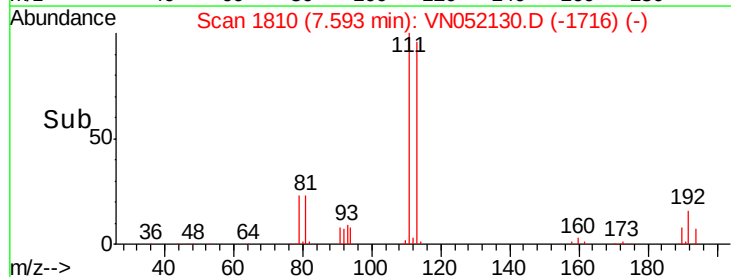
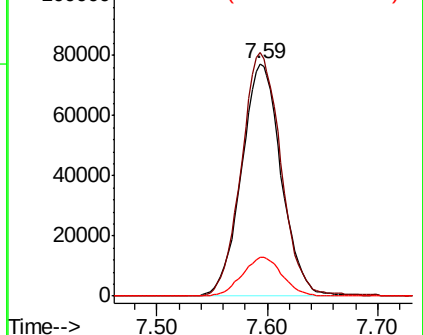
Lab File: VN052130.D

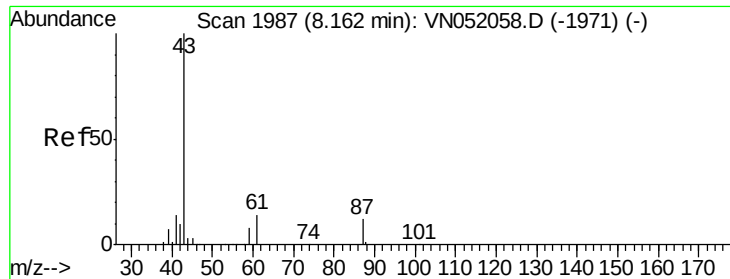
Acq: 2 Nov 2018 15:43

Tgt Ion:	113	Resp:	192496
Ion Ratio	Lower	Upper	
113	100		
111	104.4	83.1	124.7
192	17.0	12.7	19.1



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

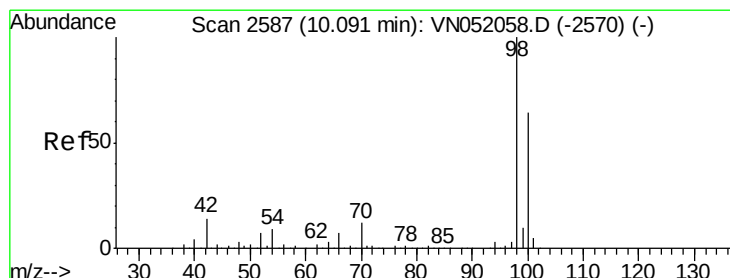
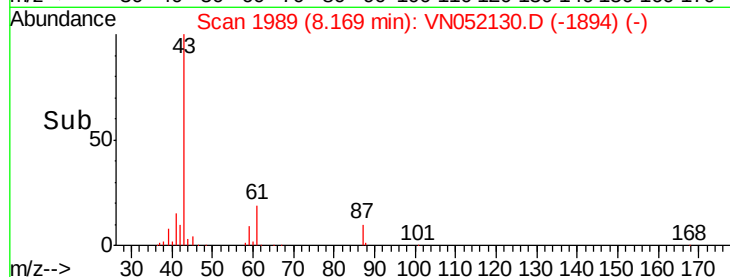
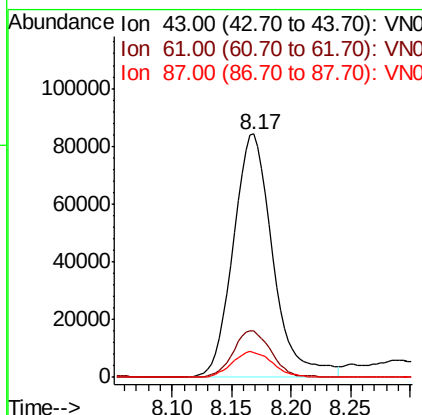
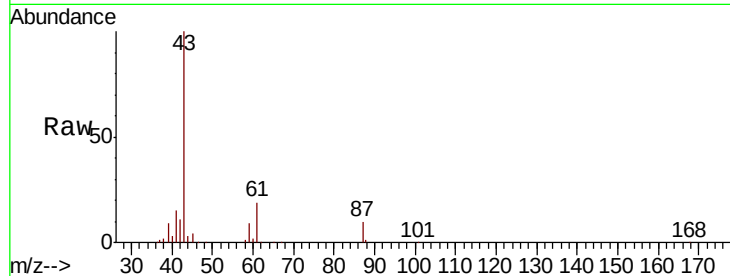
Isopropyl Acetate
 Concen: 30.759 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: VN052130.D
 Acq: 2 Nov 2018 15:43

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114370ZHE#19

Tot Ion:	43	Resp:	193417
Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.4	23.0
87	10.8	9.8	14.8

Manual Integrations
 APPROVED

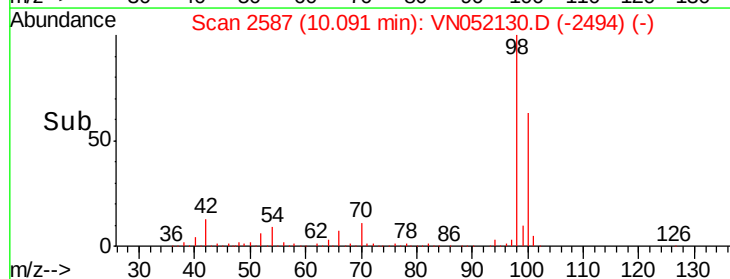
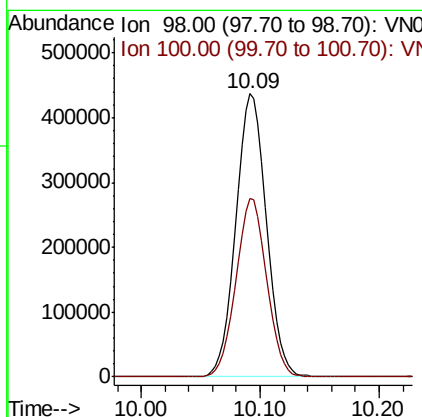
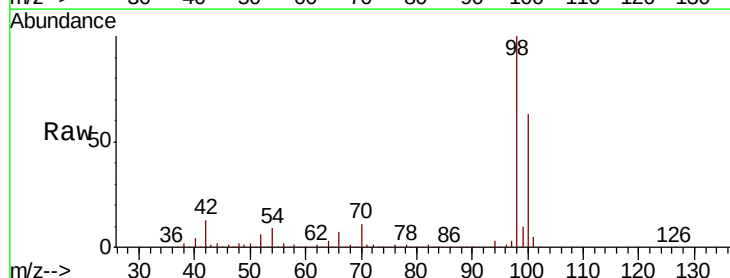
MMDadoda
 11/5/2018 11:53:17 AM

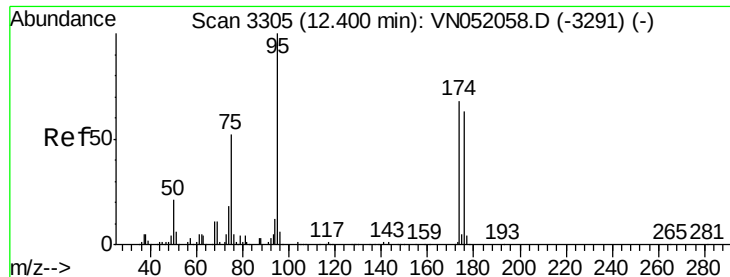


#50

Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052130.D
 Acq: 2 Nov 2018 15:43

Tgt Ion:	98	Resp:	777654
Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.4	77.2





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052130.D

Acq: 2 Nov 2018 15:43

Instrument :

MSVOA_N

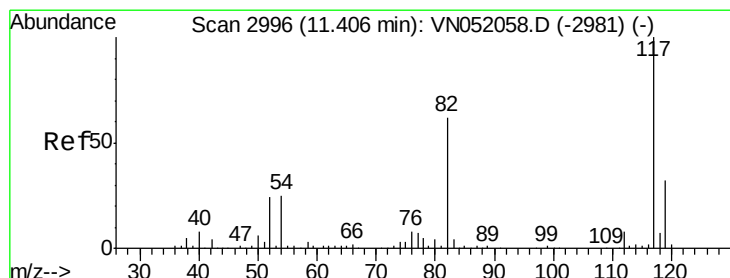
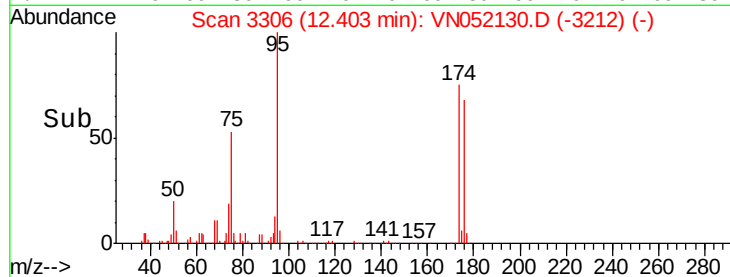
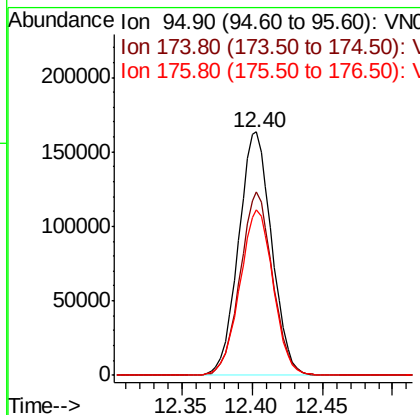
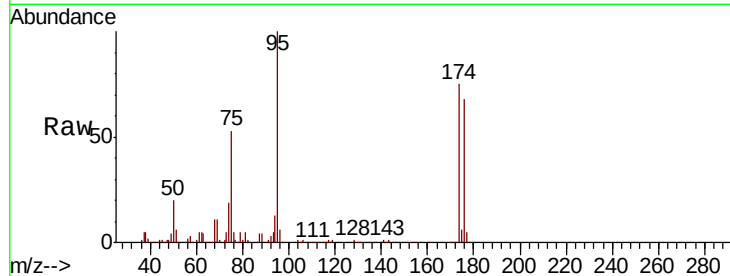
ClientSampleId :

PB114370ZHE#19

Tot Ion:	95	Resp:	269305
Ion Ratio	Lower	Upper	
95	100		
174	73.6	0.0	131.8
176	68.4	0.0	126.0

Manual Integrations
APPROVED

MMDadoda
11/5/2018 11:53:17 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

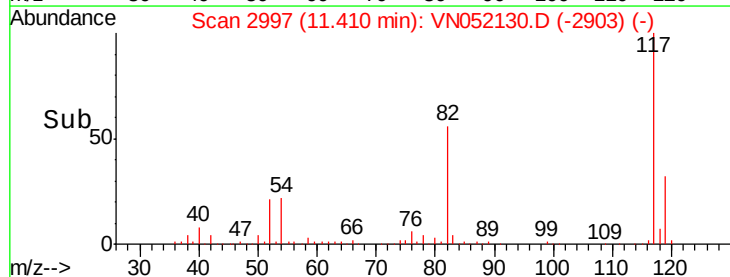
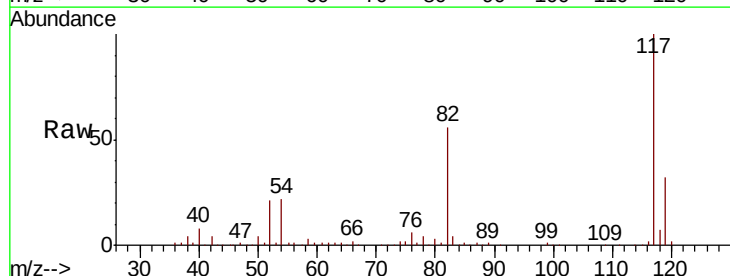
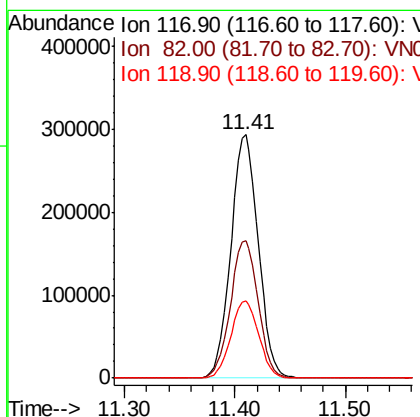
RT: 11.41 min Scan# 2997

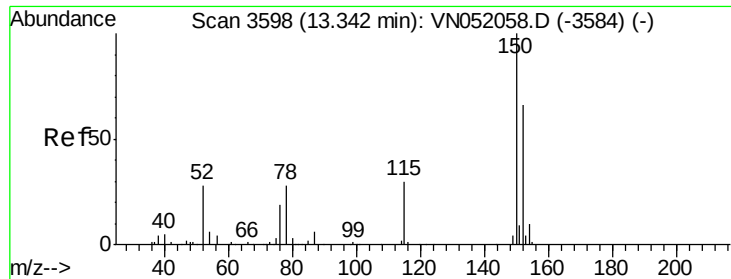
Delta R.T. 0.00 min

Lab File: VN052130.D

Acq: 2 Nov 2018 15:43

Tgt Ion:	117	Resp:	505822
Ion Ratio	Lower	Upper	
117	100		
82	56.2	49.9	74.9
119	31.7	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052130.D

Acq: 2 Nov 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

PB114370ZHE#19

Tot Ion:152 Resp: 207866

Ion Ratio Lower Upper

152 100

115 61.9 31.6 95.0

150 156.6 0.0 345.0

Manual Integrations

APPROVED

MMDadoda

11/5/2018 11:53:17 AM

