

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051253.D
 Acq On : 16 Sep 2018 4:36
 Operator : MD\SY
 Sample : J4774-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-091418

Manual Integrations
 APPROVED

MMDadoda
 9/18/2018 4:32:12 PM

Quant Time: Sep 17 05:40:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	430545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	669393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	543239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	162061	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	237094	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.96%	
35) Dibromofluoromethane	7.59	113	255414	50.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.56%	
50) Toluene-d8	10.09	98	854749	44.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.56%	
62) 4-Bromofluorobenzene	12.40	95	222330	35.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.42%	
Target Compounds						
16) Acetone	3.83	43	11432	3.90	ug/l	96
18) Methyl Acetate	4.34	43	11483	2.99	ug/l #	77
20) Methylene Chloride	4.55	84	13261m	2.51	ug/l	
43) Isopropyl Acetate	8.17	43	188812	25.14	ug/l #	80
95) Naphthalene	15.13	128	12079	7.11	ug/l	96

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

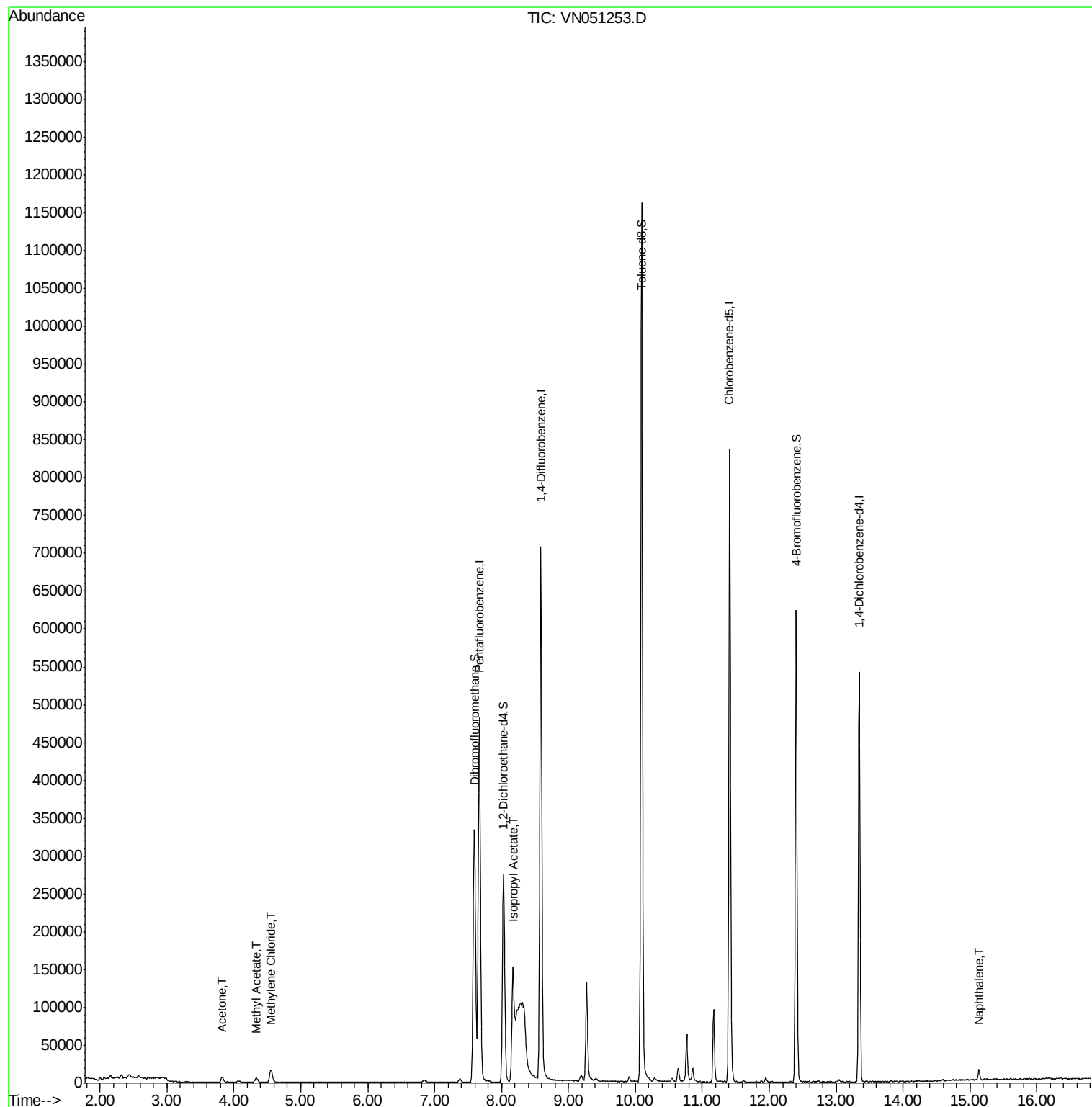
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091518\
Data File : VN051253.D
Acq On : 16 Sep 2018 4:36
Operator : MD\SY
Sample : J4774-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 42 Sample Multiplier: 1

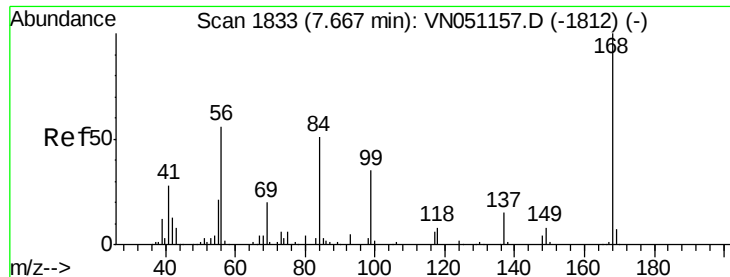
Instrument :
MSVOA_N
ClientSampleId :
OK-01-091418

Manual Integrations
APPROVED

MMDadoda
9/18/2018 4:32:12 PM

Quant Time: Sep 17 05:40:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051253.D

Acq: 16 Sep 2018 4:36

Instrument :

MSVOA_N

ClientSampleId :

OK-01-091418

Tot Ion:168 Resp: 430545

Ion Ratio Lower Upper

168 100

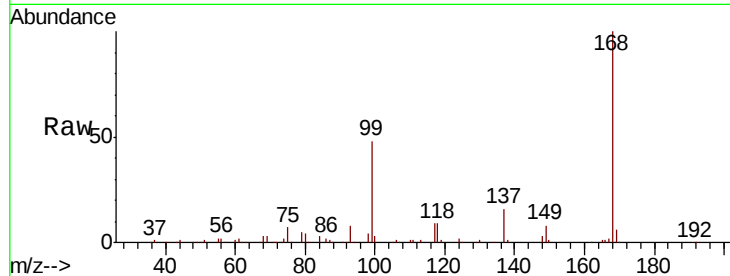
99 47.7 38.3 57.5

Manual Integrations

APPROVED

MMDadoda

9/18/2018 4:32:12 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

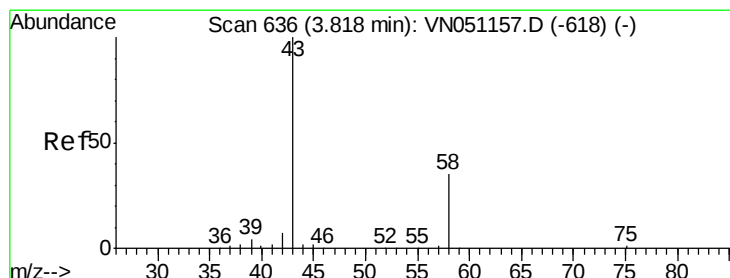
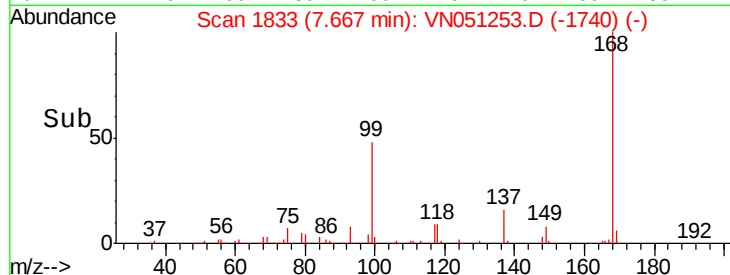
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 3.90 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051253.D

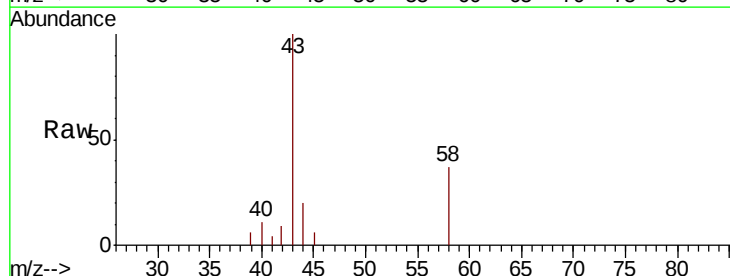
Acq: 16 Sep 2018 4:36

Tgt Ion: 43 Resp: 11432

Ion Ratio Lower Upper

43 100

58 36.8 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.83

4000

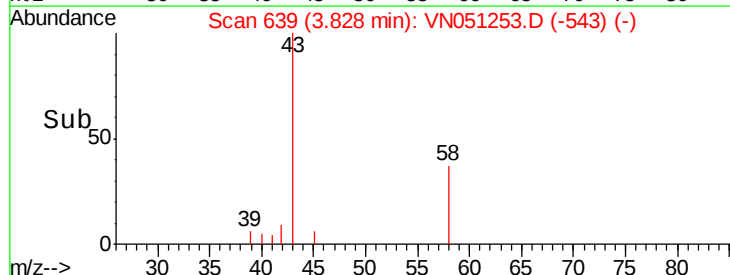
3000

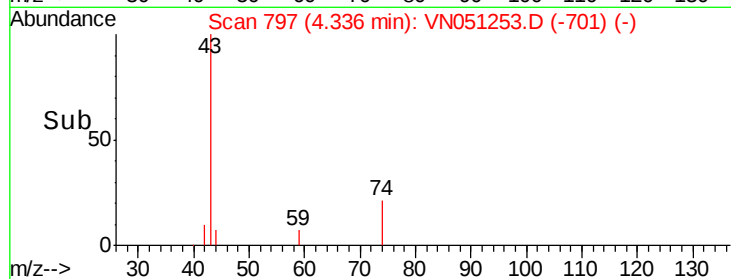
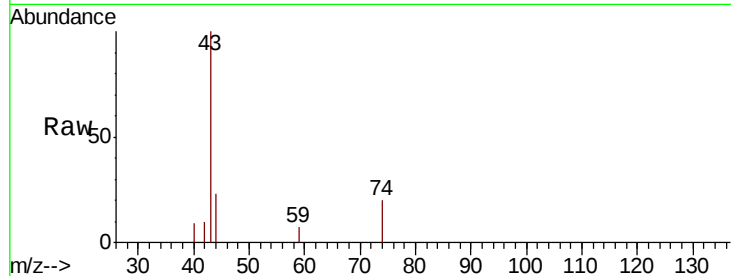
2000

1000

0

Time-->





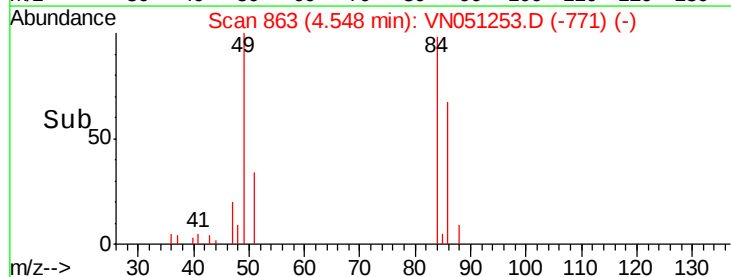
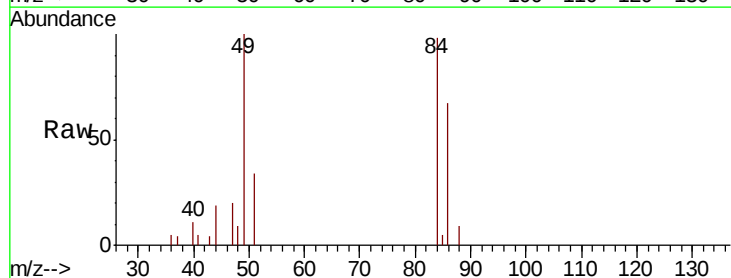
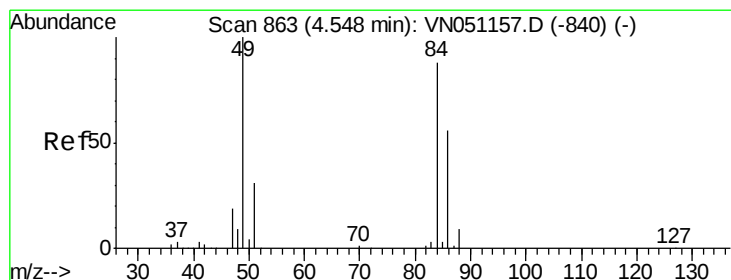
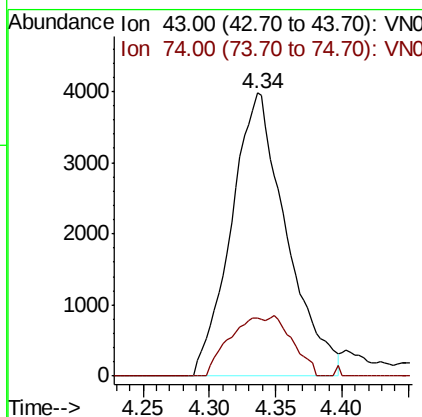
#18
Methyl Acetate
Concen: 2.99 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051253.D
Acq: 16 Sep 2018 4:36

Tot Ion: 43 Resp: 11483
Ion Ratio Lower Upper
43 100
74 14.0 20.7 31.1#

Instrument :
MSVOA_N
ClientSampleId :
OK-01-091418

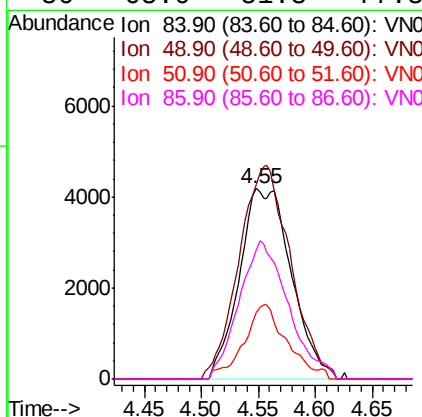
Manual Integrations
APPROVED

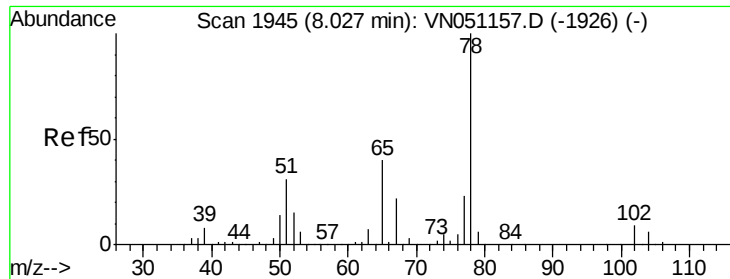
MMDadoda
9/18/2018 4:32:12 PM



#20
Methylene Chloride
Concen: 2.51 ug/l m
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051253.D
Acq: 16 Sep 2018 4:36

Tgt Ion: 84 Resp: 13261
Ion Ratio Lower Upper
84 100
49 102.1 90.2 135.2
51 34.9 28.4 42.6
86 68.0 51.8 77.8





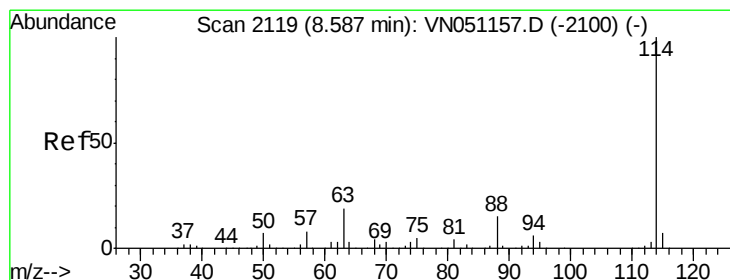
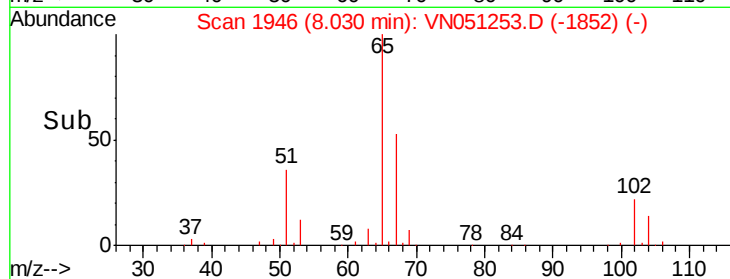
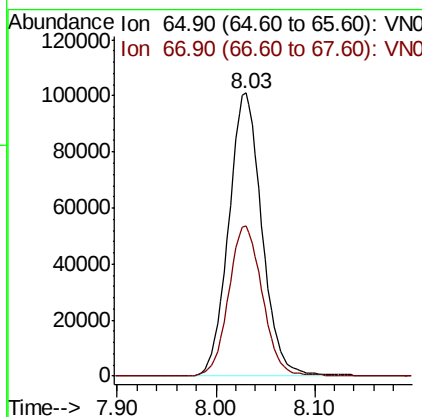
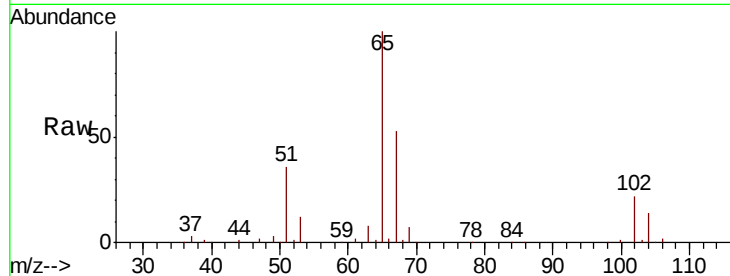
#33
 1,2-Dichloroethane-d4
 Concen: 49.48 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051253.D
 Acq: 16 Sep 2018 4:36

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-091418

Tot Ion	Ratio	Resp	Lower	Upper
65	100	237094		
67	53.8	0.0	112.0	

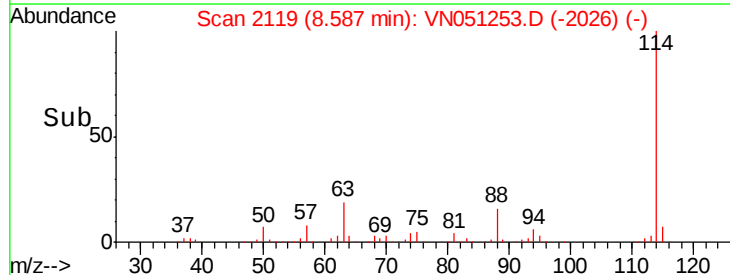
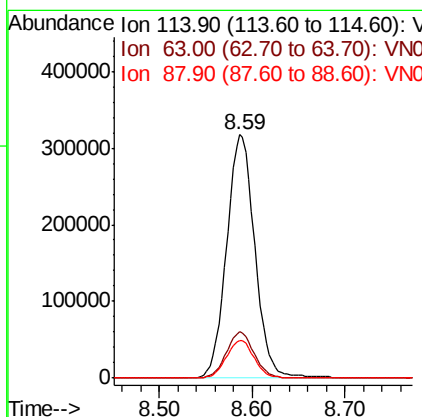
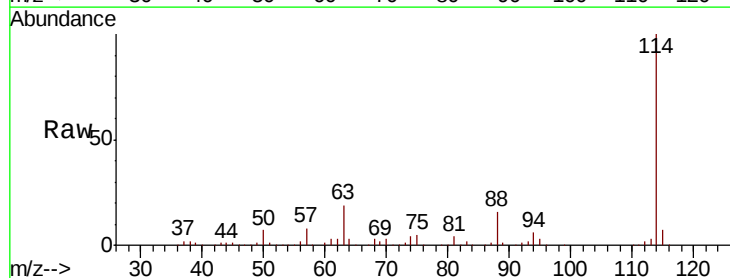
Manual Integrations
 APPROVED

MMDadoda
 9/18/2018 4:32:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051253.D
 Acq: 16 Sep 2018 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	669393		
63	19.0	0.0	37.8	
88	15.6	0.0	30.8	





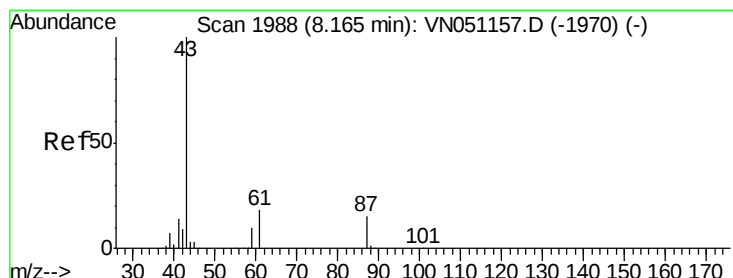
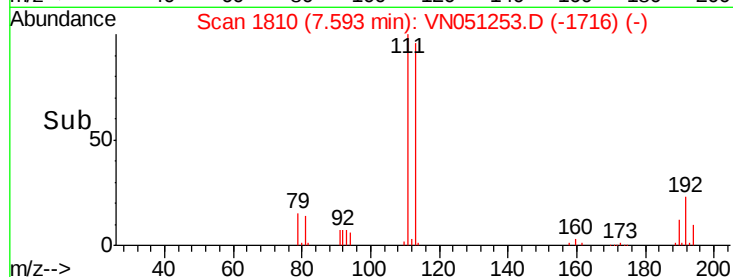
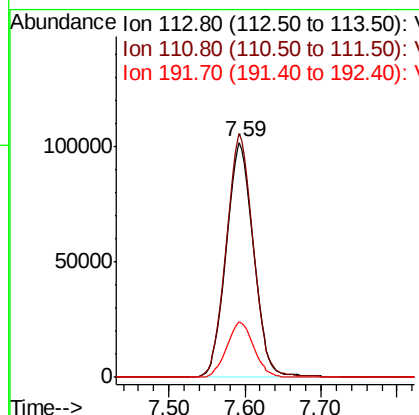
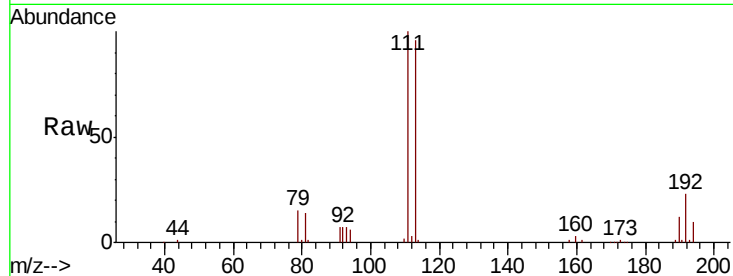
#35
 Dibromofluoromethane
 Concen: 50.78 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051253.D
 Acq: 16 Sep 2018 4:36

Instrument :
 MSVOA_N
 ClientSampled :
 OK-01-091418

Tot Ion	Ratio	Resp	Lower	Upper
113	100	255414		
111	102.6	83.0	124.6	
192	23.5	18.7	28.1	

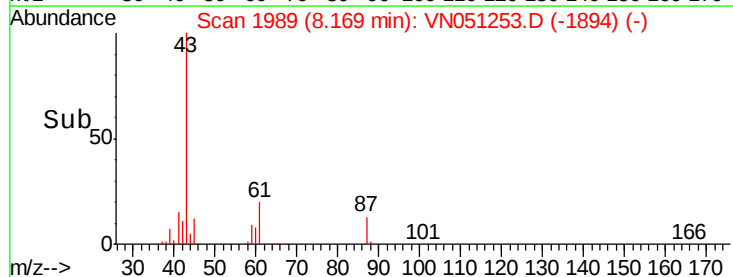
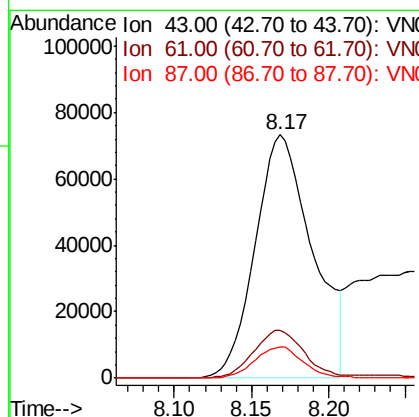
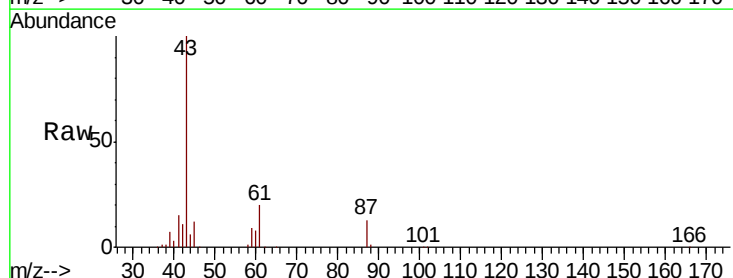
Manual Integrations
 APPROVED

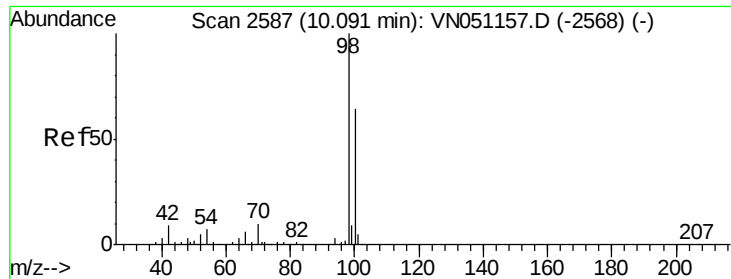
MMDadoda
 9/18/2018 4:32:12 PM



#43
 Isopropyl Acetate
 Concen: 25.14 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: VN051253.D
 Acq: 16 Sep 2018 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	188812		
61	17.4	25.0	37.6#	
87	11.0	11.8	17.8#	





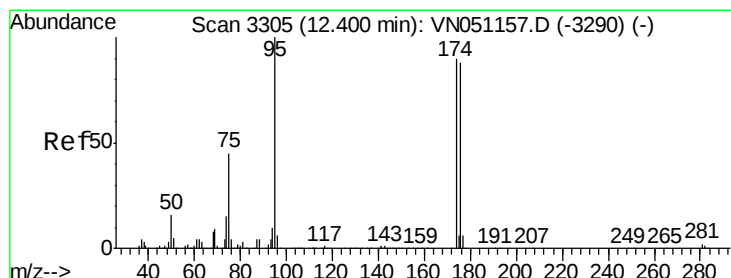
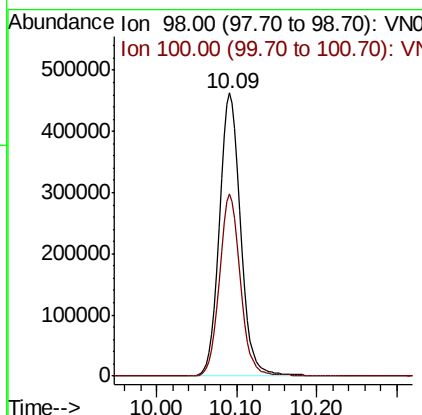
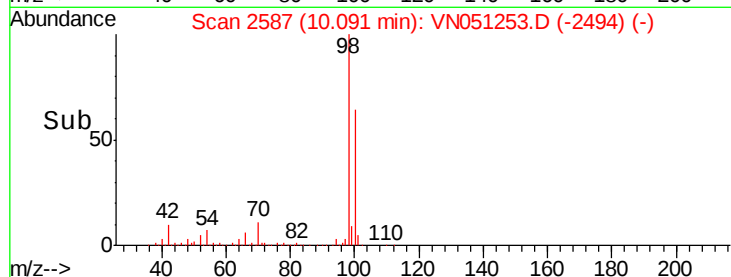
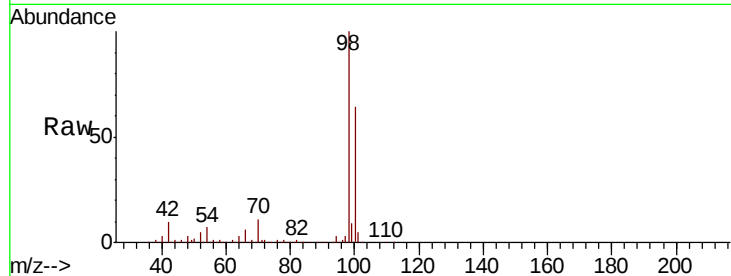
#50
Toluene-d8
Concen: 44.78 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051253.D
Acq: 16 Sep 2018 4:36

Instrument :
MSVOA_N
ClientSampled :
OK-01-091418

Tot Ion: 98 Resp: 854749
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

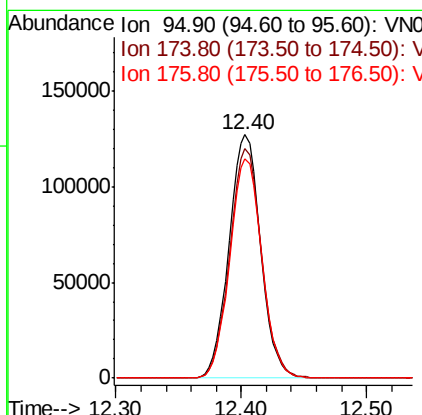
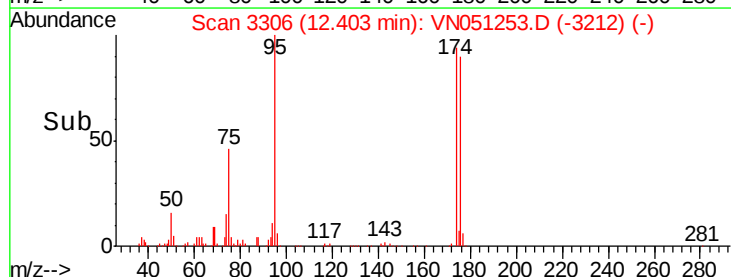
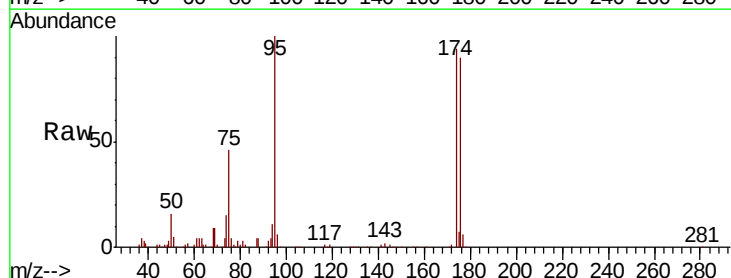
Manual Integrations
APPROVED

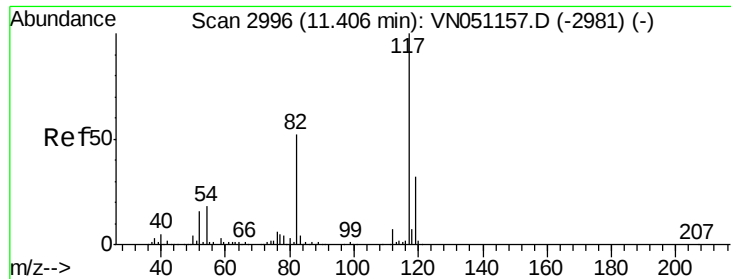
MMDadoda
9/18/2018 4:32:12 PM



#62
4-Bromofluorobenzene
Concen: 35.21 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051253.D
Acq: 16 Sep 2018 4:36

Tgt Ion: 95 Resp: 222330
Ion Ratio Lower Upper
95 100
174 94.8 0.0 184.8
176 91.5 0.0 178.6





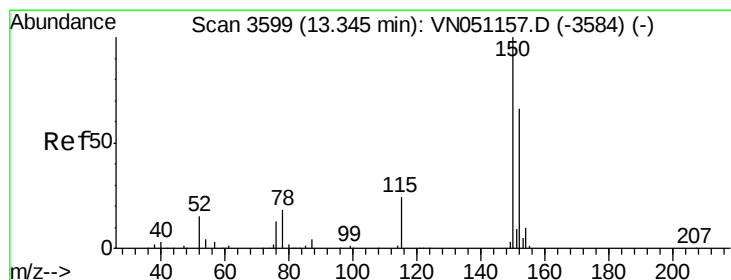
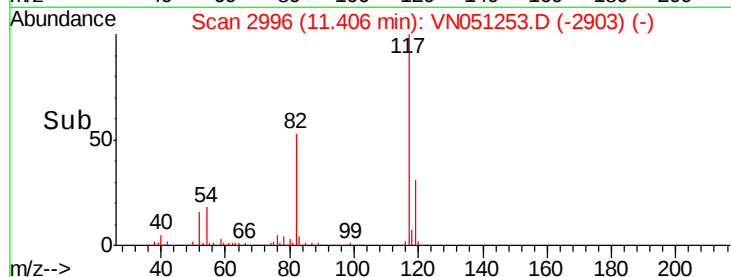
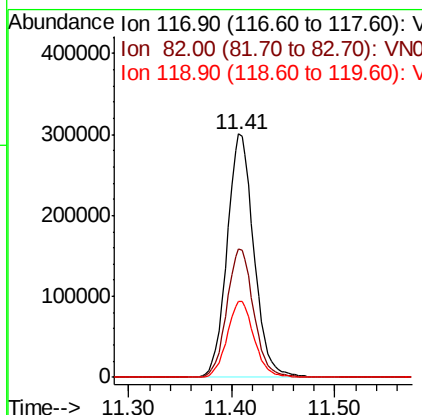
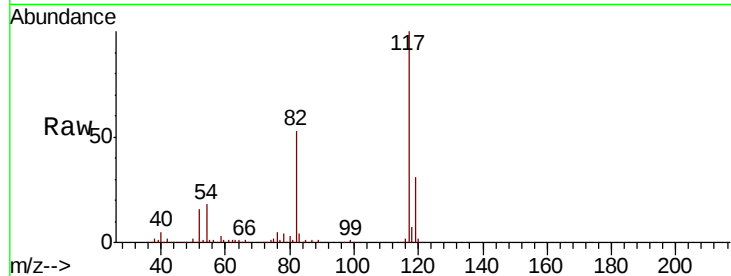
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051253.D
Acq: 16 Sep 2018 4:36

Instrument :
MSVOA_N
ClientSampleId :
OK-01-091418

Tot Ion	Ratio	Resp	Lower	Upper
117	100	543239		
82	52.7		41.8	62.6
119	31.3		26.2	39.2

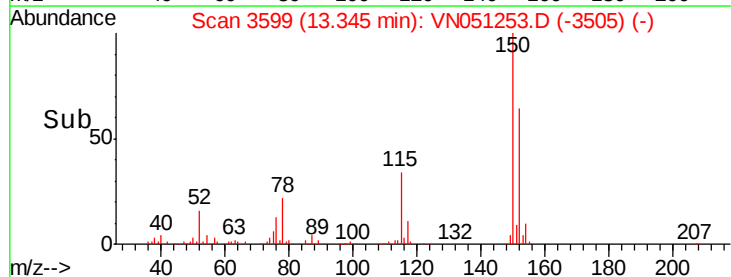
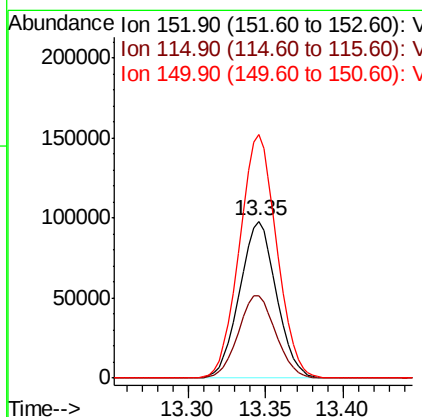
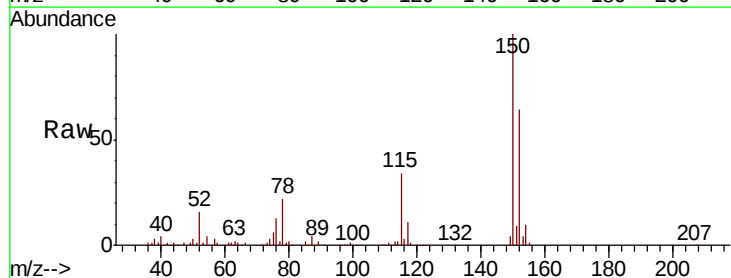
Manual Integrations
APPROVED

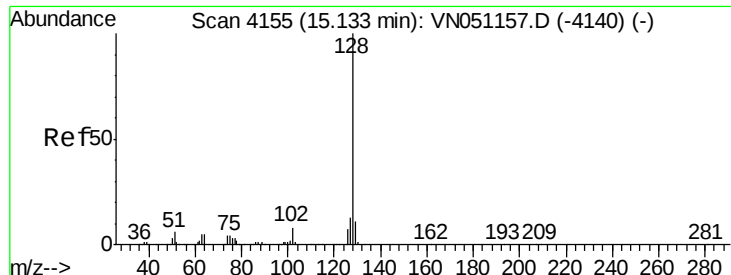
MMDadoda
9/18/2018 4:32:12 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051253.D
Acq: 16 Sep 2018 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	162061		
115	53.7		28.2	84.7
150	157.4		0.0	349.0





#95
Naphthalene
Concen: 7.11 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051253.D
Acq: 16 Sep 2018 4:36

Instrument :
MSVOA_N
ClientSampleId :
OK-01-091418

Tot Ion:	128	Resp:	12079
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.6	15.8
129	8.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/18/2018 4:32:12 PM

