

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
 Data File : VN054856.D
 Acq On : 31 Mar 2019 17:45
 Operator : JC/SP
 Sample : K2180-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6D

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 12:50:02 PM

Quant Time: Apr 01 03:43:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	569730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	928391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	790863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	286668	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	375502	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
35) Dibromofluoromethane	7.59	113	300165	48.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.00%	
50) Toluene-d8	10.09	98	1106270	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.40	95	338872	44.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.56%	
Target Compounds						
20) Methylene Chloride	4.48	84	60835899m	9417.002	ug/l	Qvalue
43) Isopropyl Acetate	8.17	43	17810	1.728	ug/l #	93
84) 1,2,4-Trimethylbenzene	13.04	105	21793	1.190	ug/l	99
95) Naphthalene	15.13	128	18370	1.778	ug/l	98

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

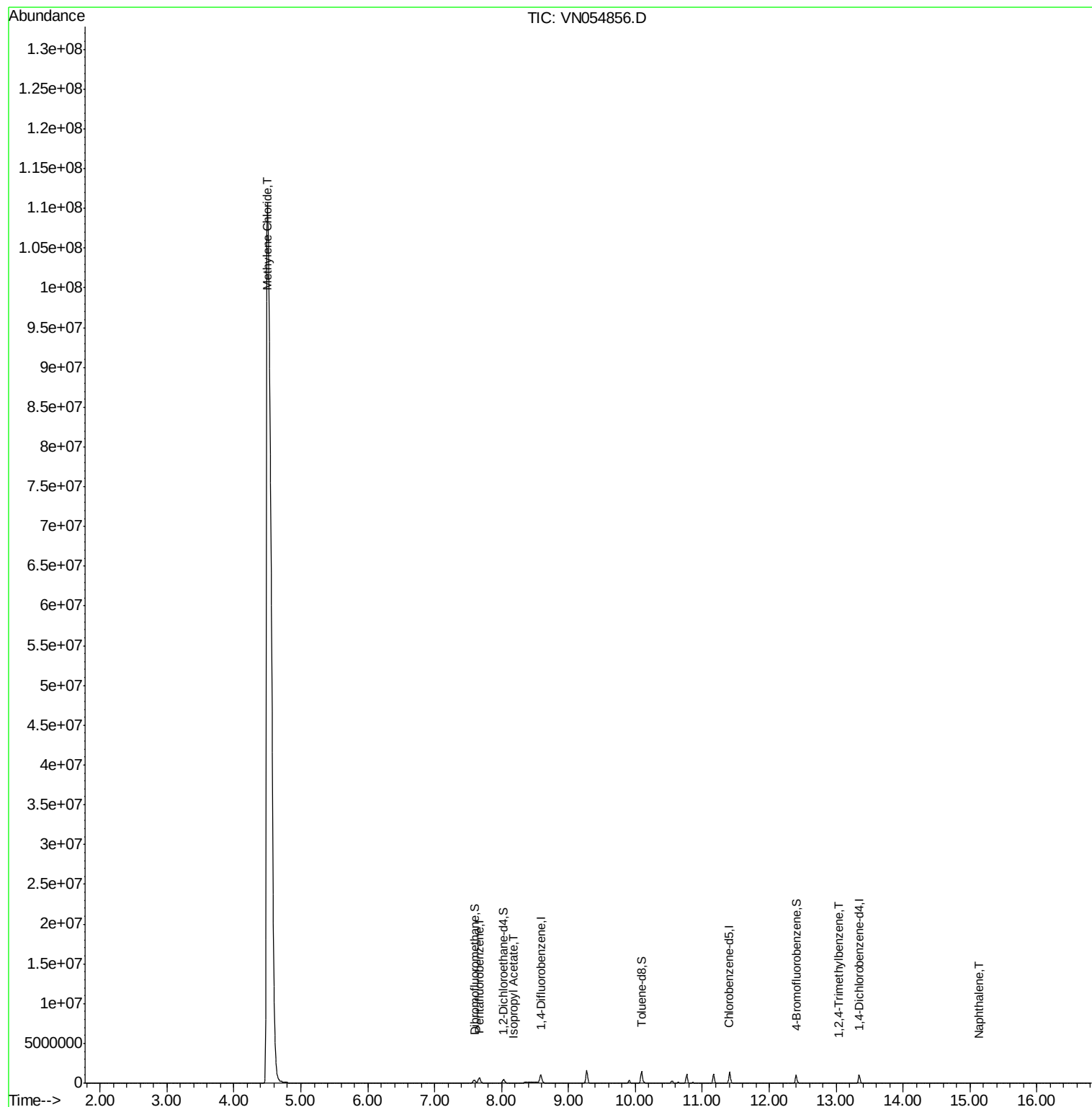
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
Data File : VN054856.D
Acq On : 31 Mar 2019 17:45
Operator : JC/SP
Sample : K2180-12
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

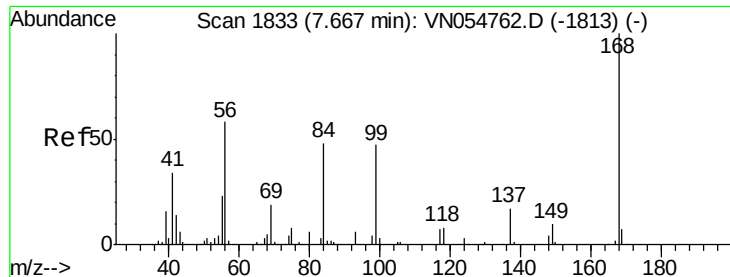
Instrument :
MSVOA_N
ClientSampleId :
TP-6D

Manual Integrations
APPROVED

MMDadoda
4/1/2019 12:50:02 PM

Quant Time: Apr 01 03:43:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Instrument :

MSVOA_N

ClientSampled :

TP-6D

Tgt Ion:168 Resp: 569730

Ion Ratio Lower Upper

168 100

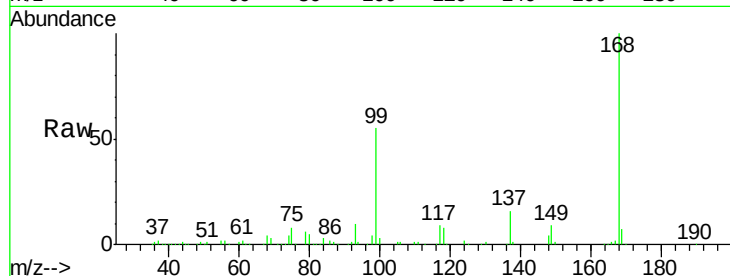
99 54.8 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

4/1/2019 12:50:02 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

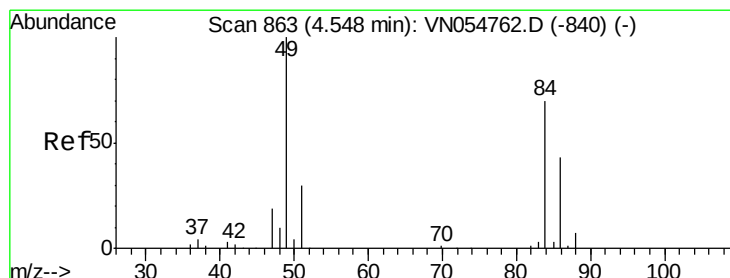
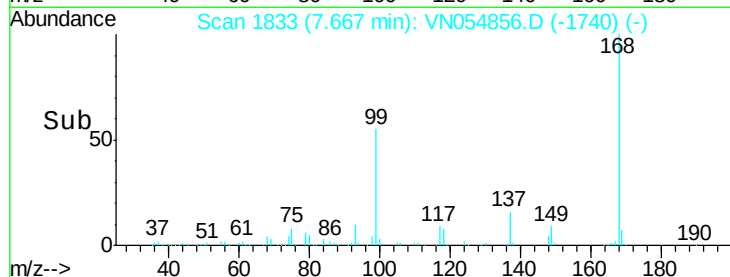
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#20

Methylene Chloride

Concen: 9417.002 ug/l m

RT: 4.48 min Scan# 843

Delta R.T. -0.06 min

Lab File: VN054856.D

Acq: 31 Mar 2019 17:45

Tgt Ion: 84 Resp:60835899

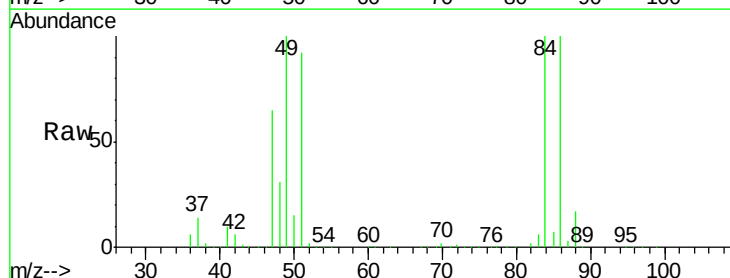
Ion Ratio Lower Upper

84 100

49 100.0 89.7 134.5

51 91.9 28.2 42.4#

86 100.0 50.8 76.2#



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

4.48

1.2e+07

1e+07

8000000

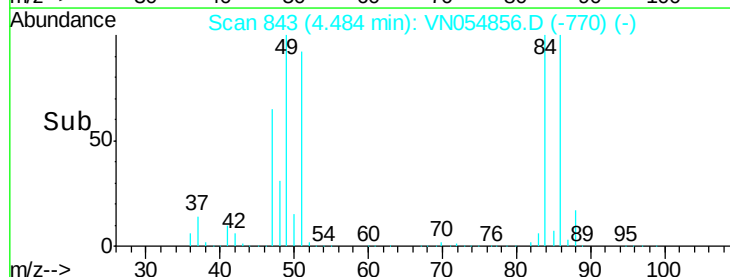
6000000

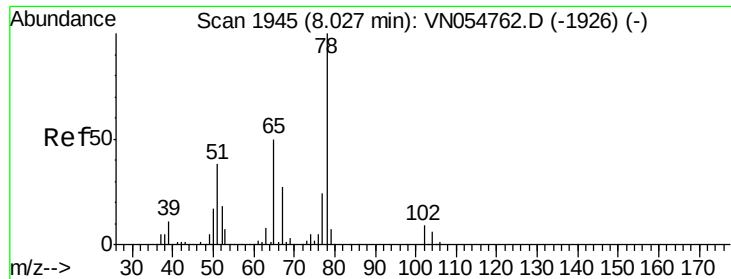
4000000

2000000

0

Time--> 4.20 4.40 4.60 4.80 5.00





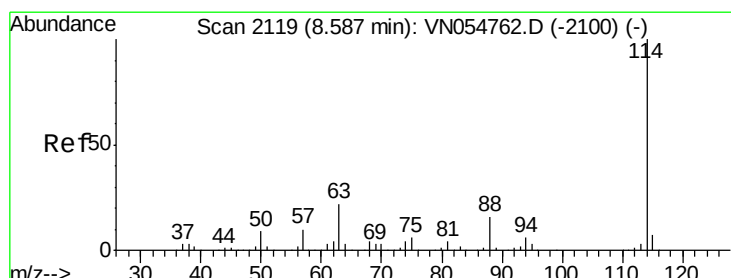
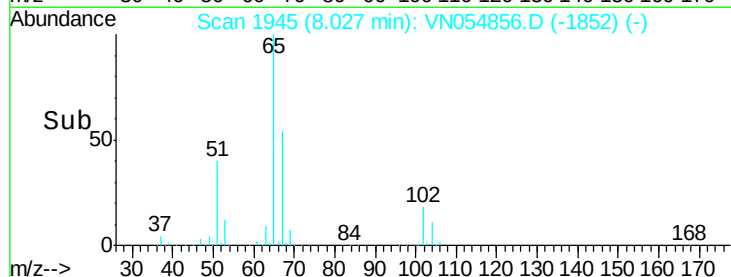
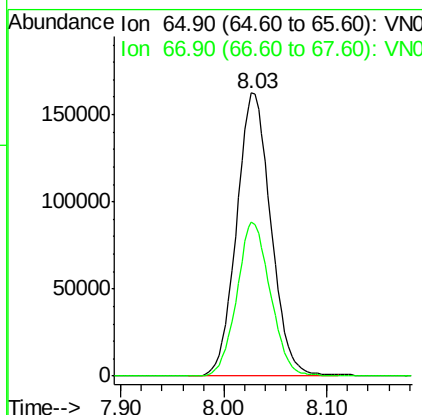
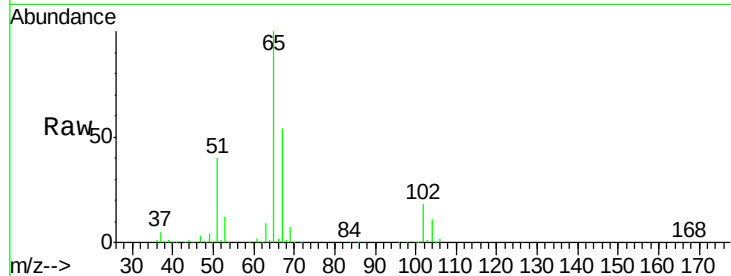
#33
 1,2-Dichloroethane-d4
 Concen: 48.893 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054856.D
 Acq: 31 Mar 2019 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6D

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	375502		
67	53.3	0.0	104.6	

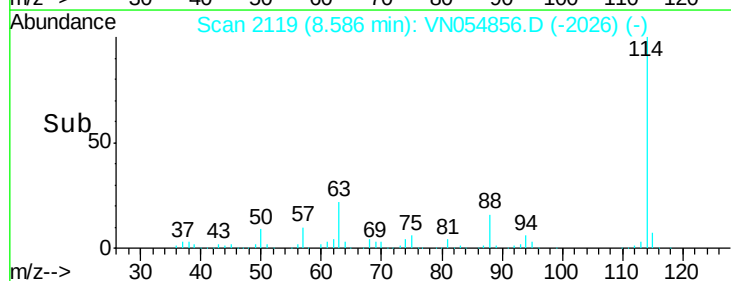
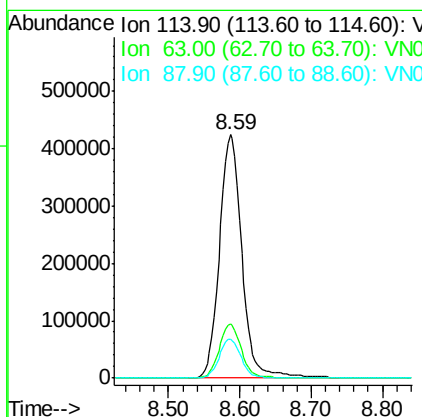
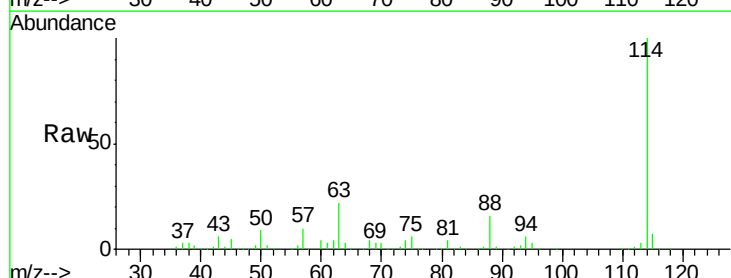
Manual Integrations
 APPROVED

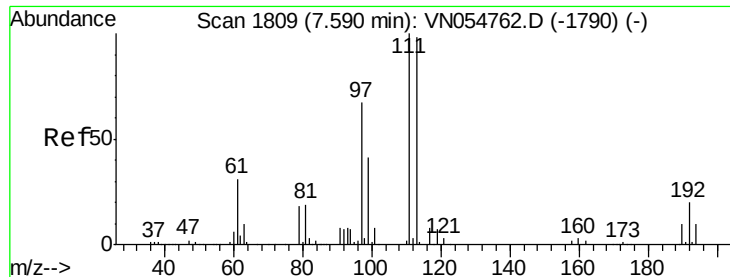
MMDadoda
 4/1/2019 12:50:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054856.D
 Acq: 31 Mar 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	928391		
63	22.3	0.0	35.2	
88	16.2	0.0	30.2	





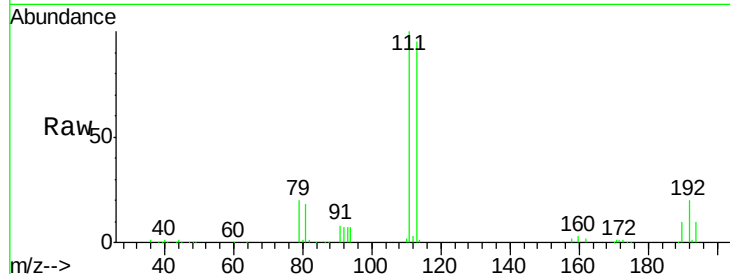
#35
 Dibromofluoromethane
 Concen: 48.496 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054856.D
 Acq: 31 Mar 2019 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6D

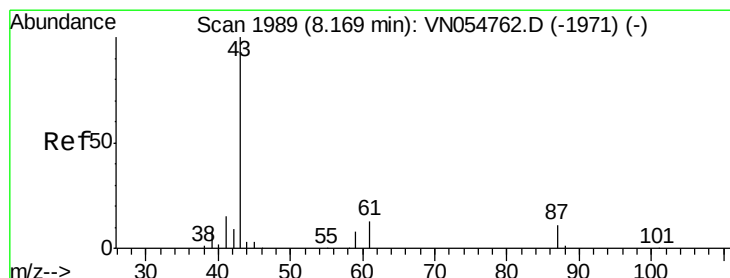
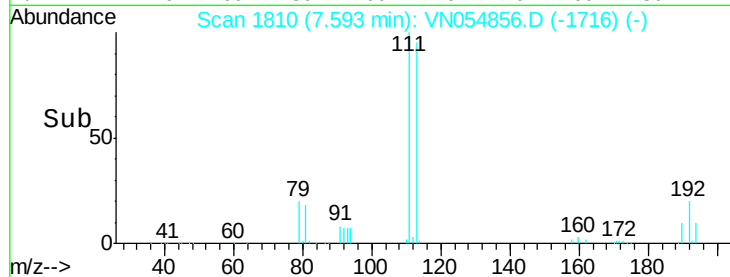
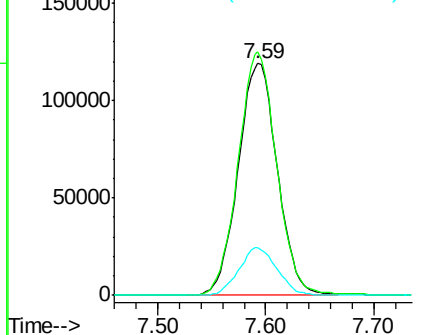
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	300165		
111	103.5	82.2	123.4	
192	20.1	19.2	28.8	

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 12:50:02 PM

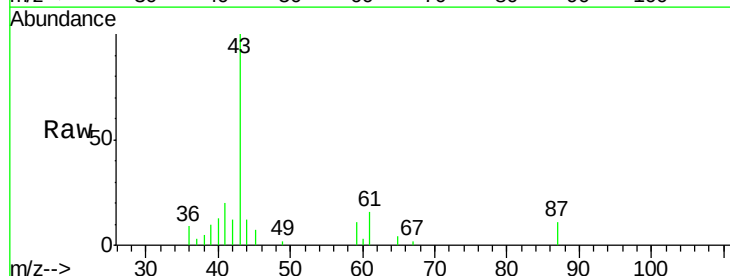


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

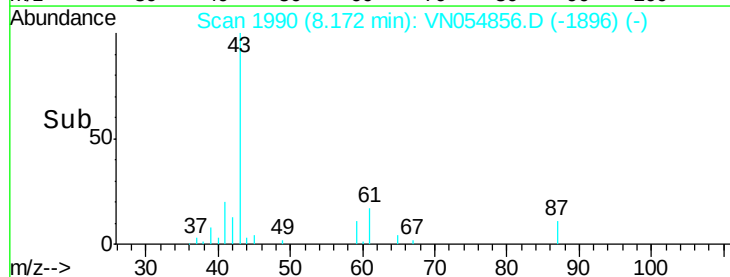
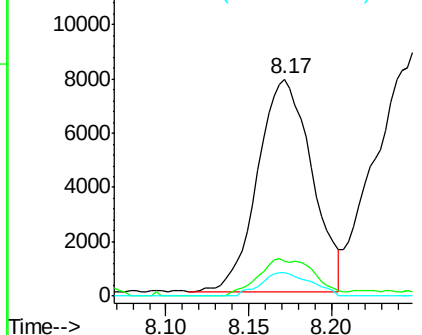


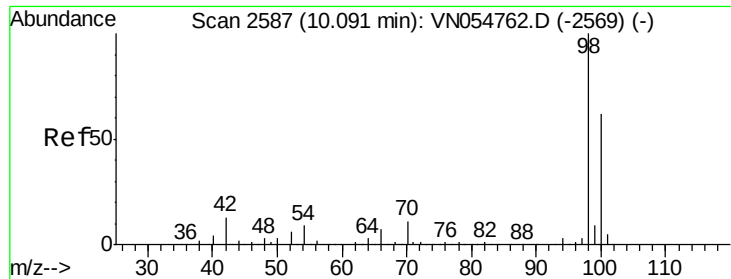
#43
 Isopropyl Acetate
 Concen: 1.728 ug/l
 RT: 8.17 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN054856.D
 Acq: 31 Mar 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	17810		
61	18.3	15.8	23.8	
87	10.1	12.0	18.0	



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 87.00 (86.70 to 87.70): VNO





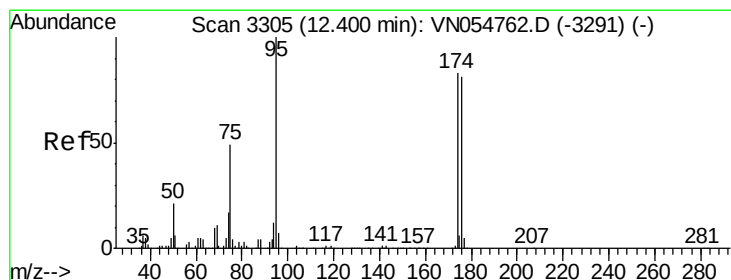
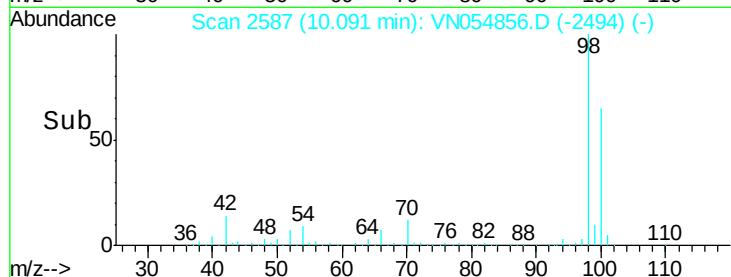
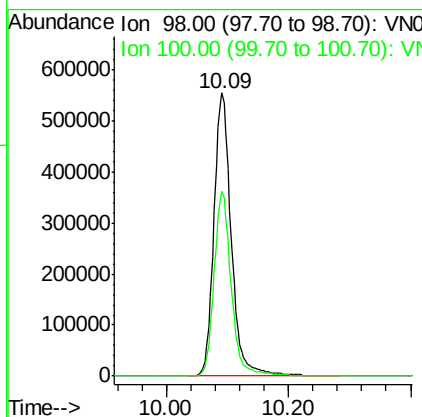
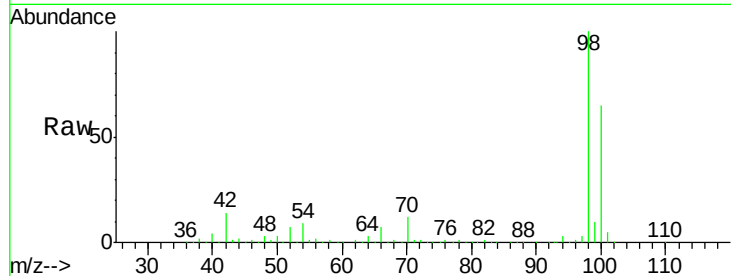
#50
Toluene-d8
Concen: 48.075 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

Instrument :
MSVOA_N
ClientSampled :
TP-6D

Tgt Ion: 98 Resp: 1106270
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8

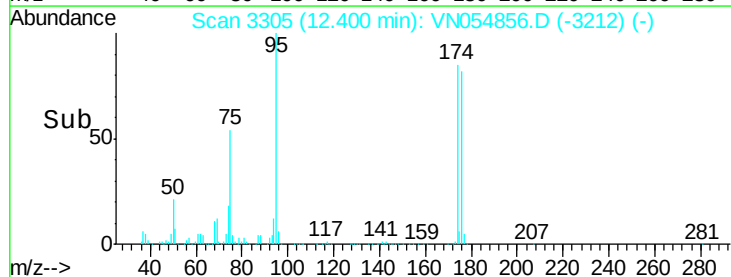
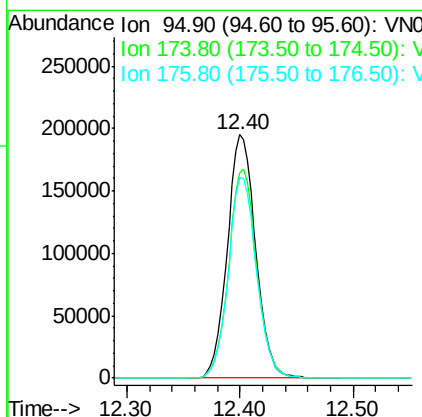
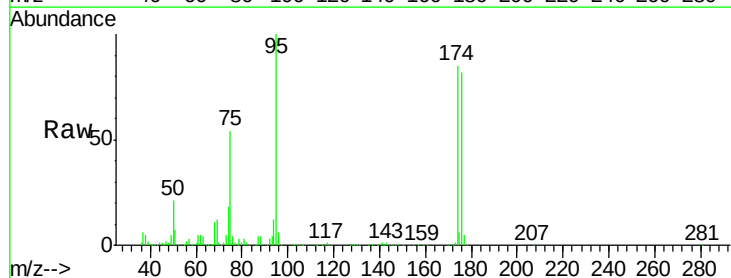
Manual Integrations
APPROVED

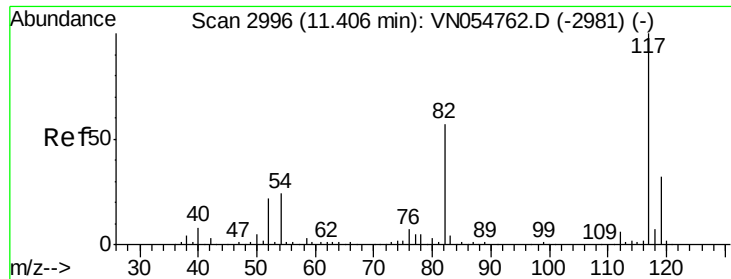
MMDadoda
4/1/2019 12:50:02 PM



#62
4-Bromofluorobenzene
Concen: 44.280 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

Tgt Ion: 95 Resp: 338872
Ion Ratio Lower Upper
95 100
174 85.1 0.0 191.0
176 82.2 0.0 187.4





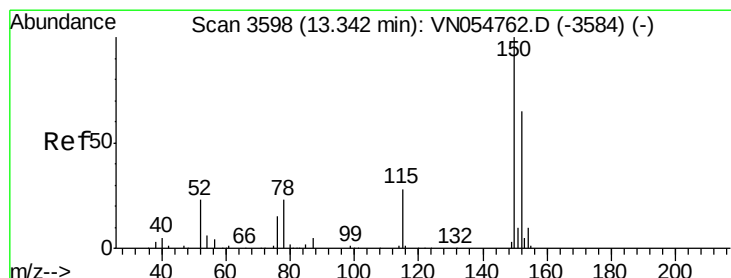
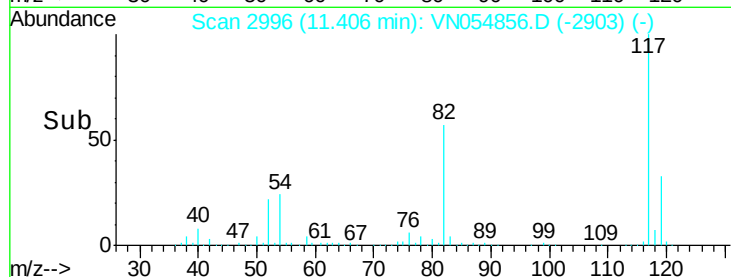
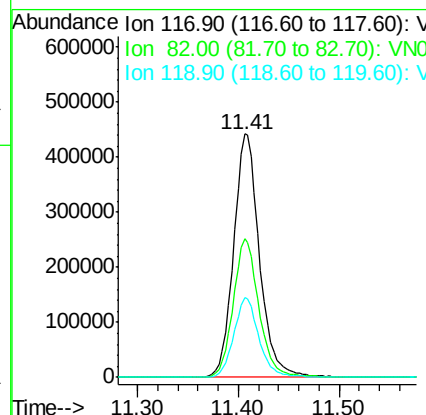
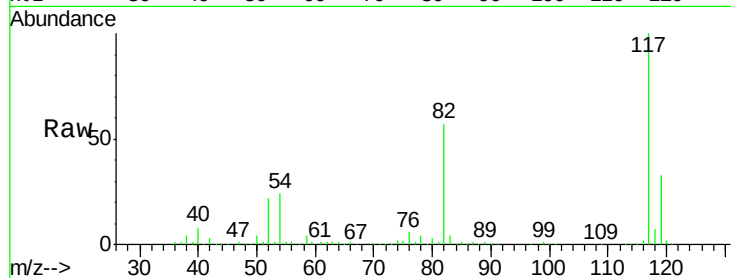
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

Instrument :
MSVOA_N
ClientSampled :
TP-6D

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.9	40.0	60.0
119	32.6	25.8	38.6

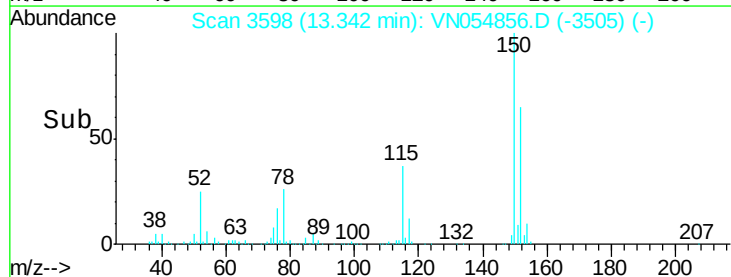
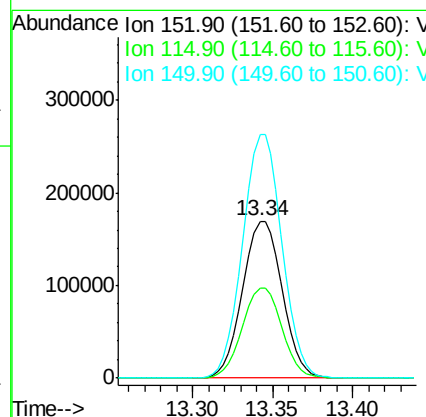
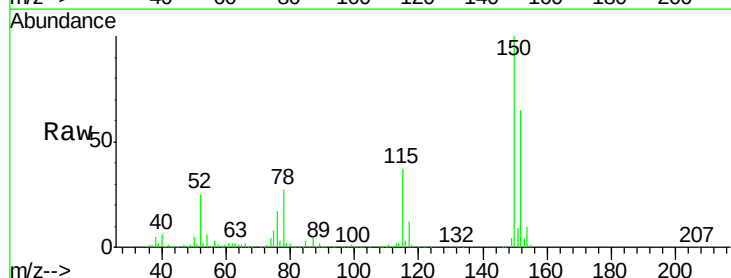
Manual Integrations
APPROVED

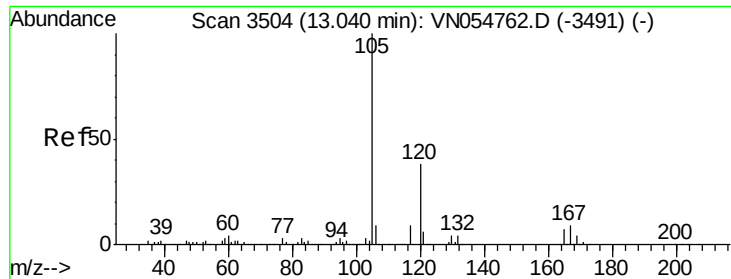
MMDadoda
4/1/2019 12:50:02 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054856.D
Acq: 31 Mar 2019 17:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	27.2	81.6
150	153.6	0.0	349.2





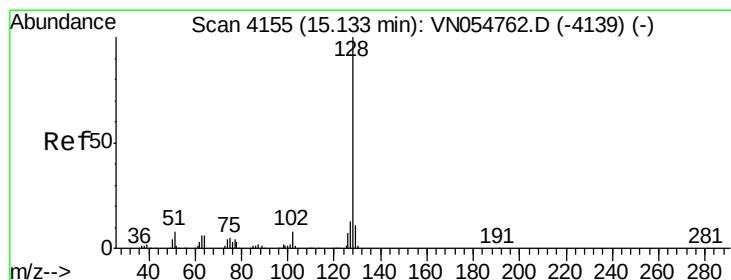
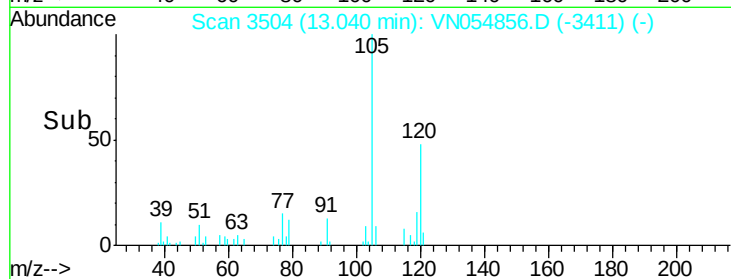
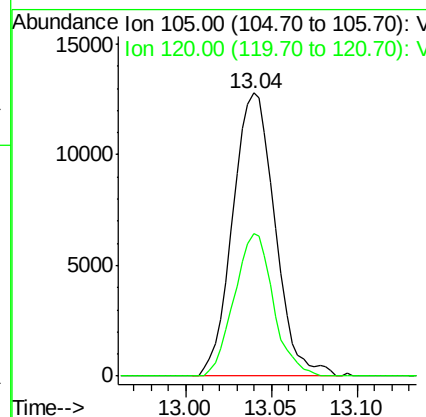
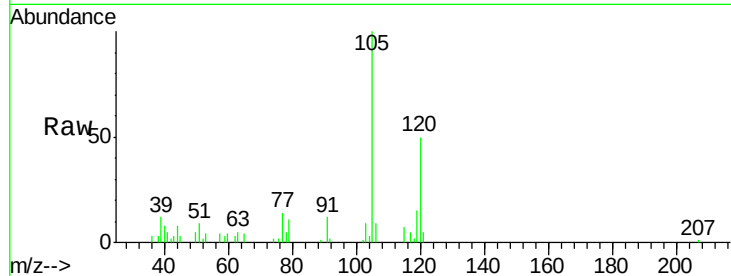
#84
 1,2,4-Trimethylbenzene
 Concen: 1.190 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054856.D
 Acq: 31 Mar 2019 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6D

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.3

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 12:50:02 PM



#95
 Naphthalene
 Concen: 1.778 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN054856.D
 Acq: 31 Mar 2019 17:45

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.2	8.7	13.1

