

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057851.D
 Acq On : 10 Sep 2019 10:56
 Operator : JC/SP
 Sample : K4622-32
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-B2-(0)

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 8:16:41 AM

Quant Time: Sep 13 04:59:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	297616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	510098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	471467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246566	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	327493	54.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.66%	
35) Dibromofluoromethane	7.58	113	221873	47.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.26%	
50) Toluene-d8	10.08	98	935241	51.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.40	95	303209	43.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.06%	
Target Compounds						
16) Acetone	3.80	43	11040	5.587	ug/l	98
43) Isopropyl Acetate	8.16	43	100190m	9.747	ug/l	

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

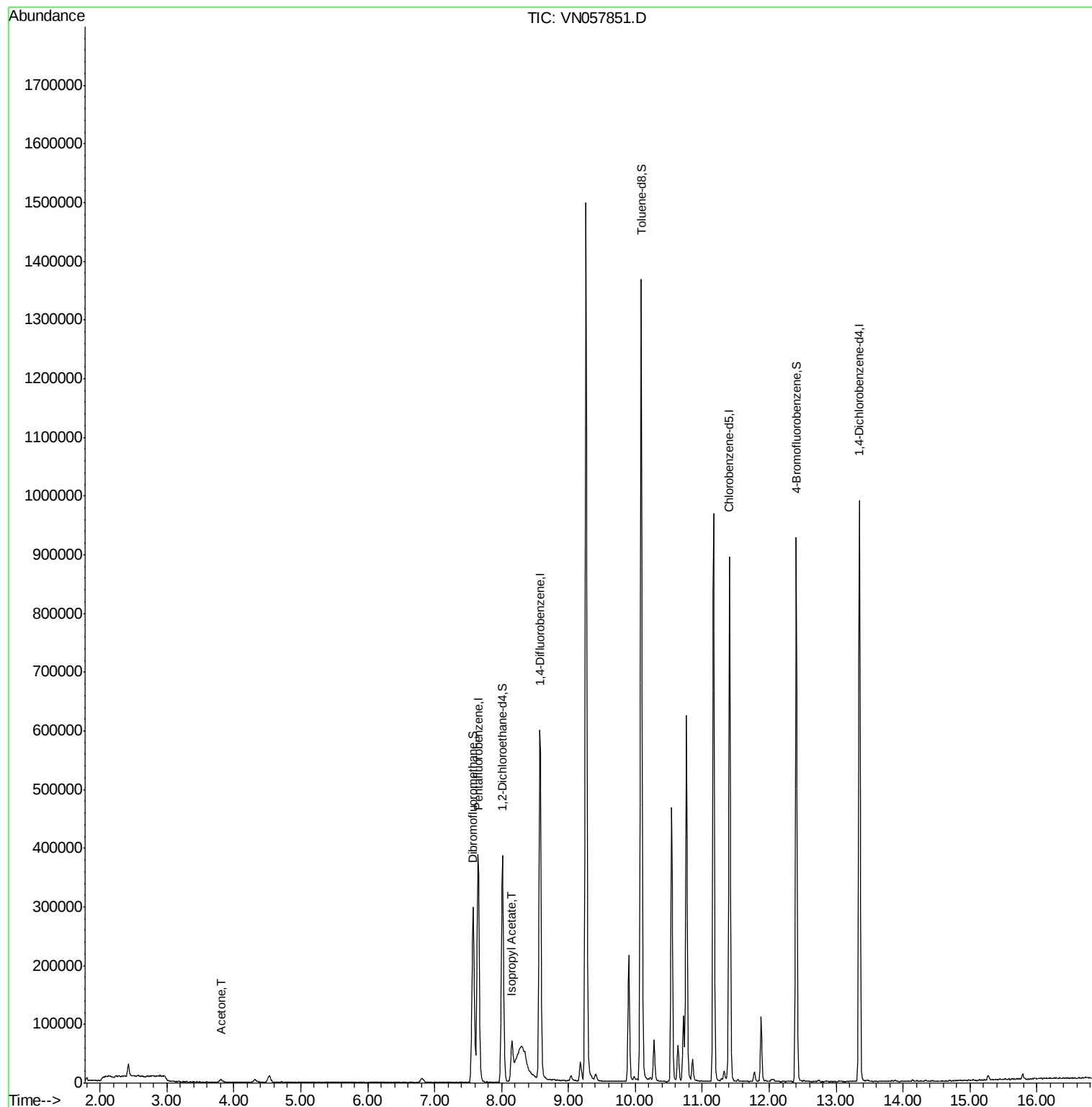
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
Data File : VN057851.D
Acq On : 10 Sep 2019 10:56
Operator : JC/SP
Sample : K4622-32
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 57 Sample Multiplier: 1

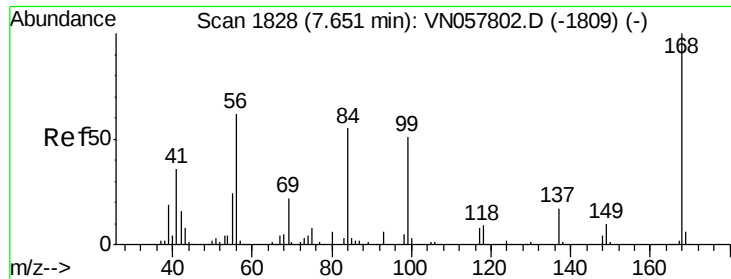
Instrument :
MSVOA_N
ClientSampleId :
PAR-11-B2-(0)

Manual Integrations
APPROVED

MMDadoda
9/13/2019 8:16:41 AM

Quant Time: Sep 13 04:59:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057851.D

Acq: 10 Sep 2019 10:56

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-B2-(0)

Tot Ion:168 Resp: 297616

Ion Ratio Lower Upper

168 100

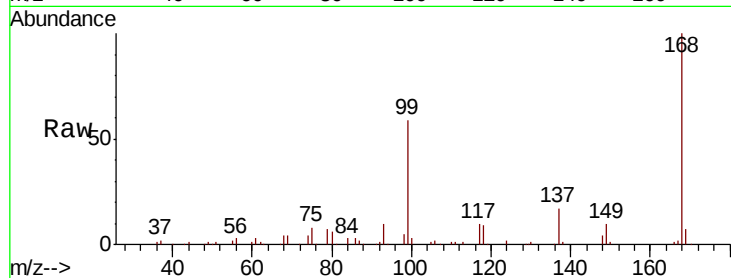
99 59.1 48.0 72.0

Manual Integrations

APPROVED

MMDadoda

9/13/2019 8:16:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

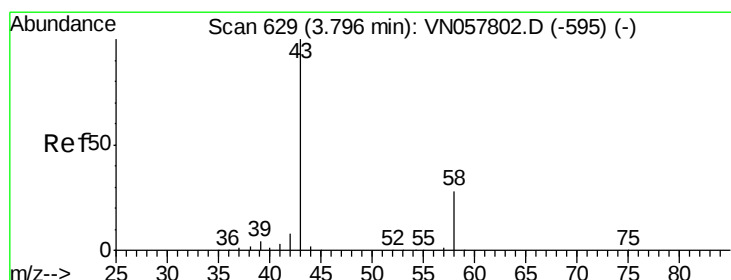
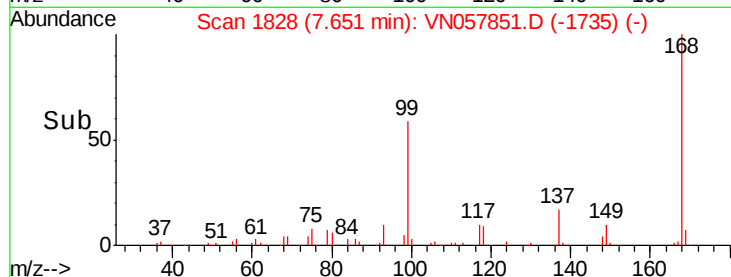
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.587 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057851.D

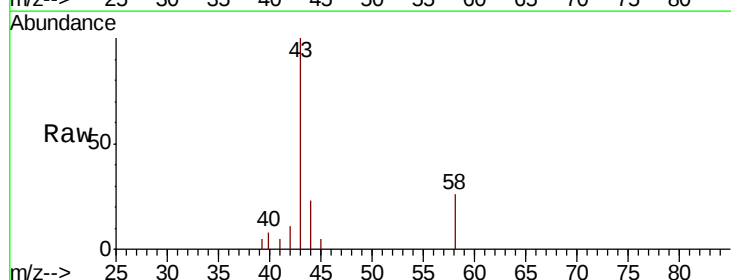
Acq: 10 Sep 2019 10:56

Tgt Ion: 43 Resp: 11040

Ion Ratio Lower Upper

43 100

58 26.4 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

4000

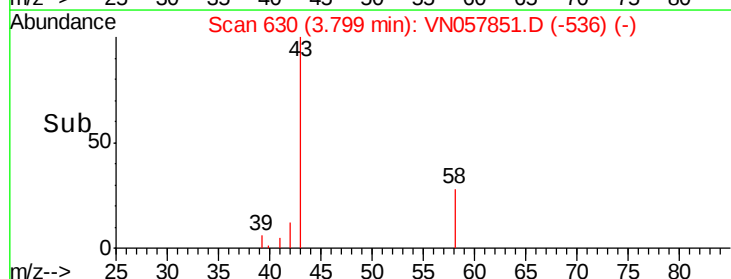
3000

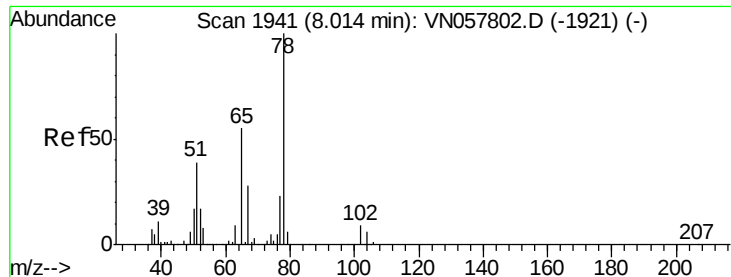
2000

1000

0

Time-->





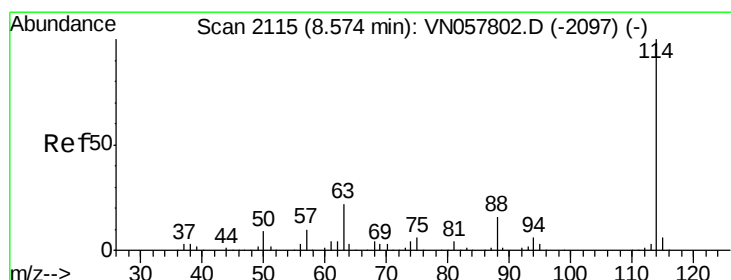
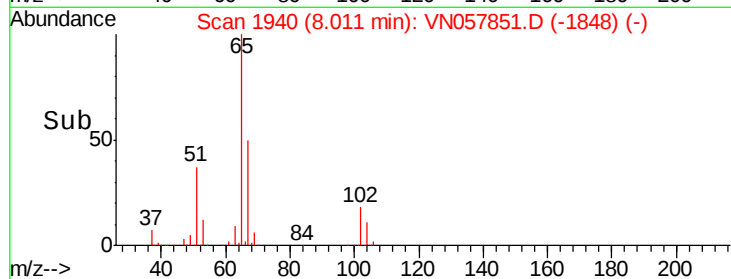
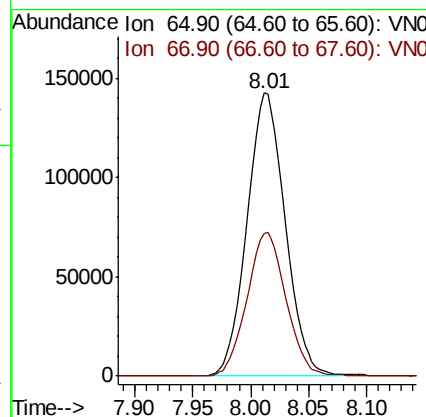
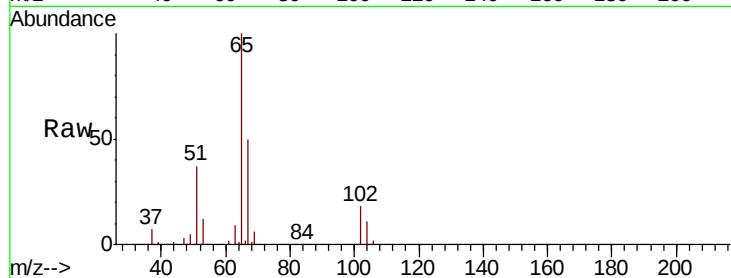
#33
 1,2-Dichloroethane-d4
 Concen: 54.329 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057851.D
 Acq: 10 Sep 2019 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-B2-(0)

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.0

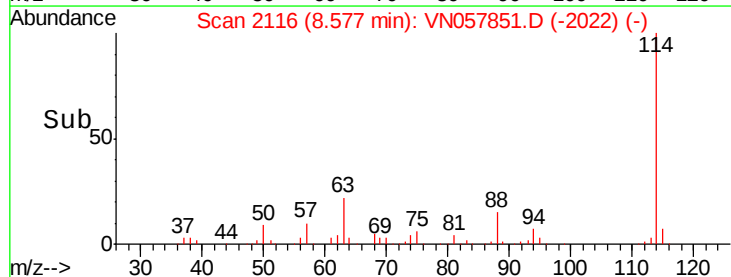
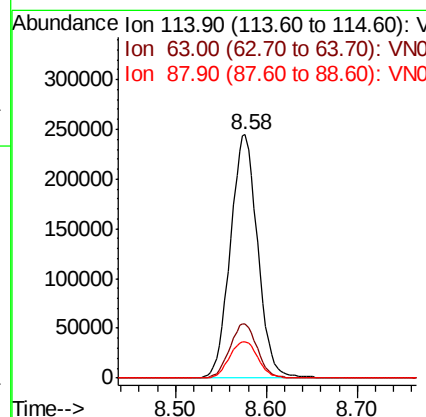
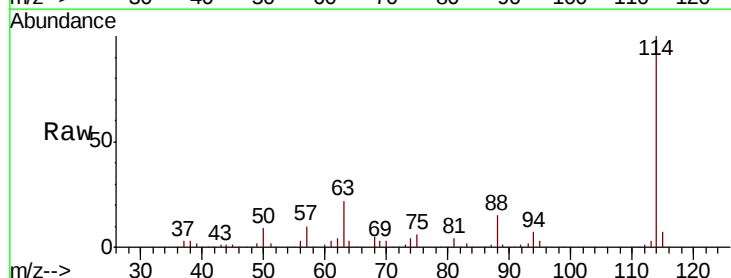
Manual Integrations
 APPROVED

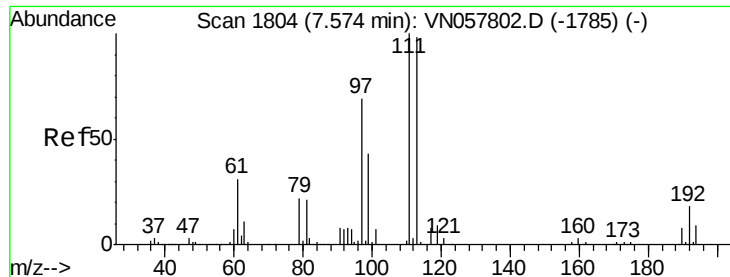
MMDadoda
 9/13/2019 8:16:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057851.D
 Acq: 10 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	15.0	0.0	31.4





#35

Dibromofluoromethane

Concen: 47.127 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057851.D

Acq: 10 Sep 2019 10:56

Instrument :

MSVOA_N

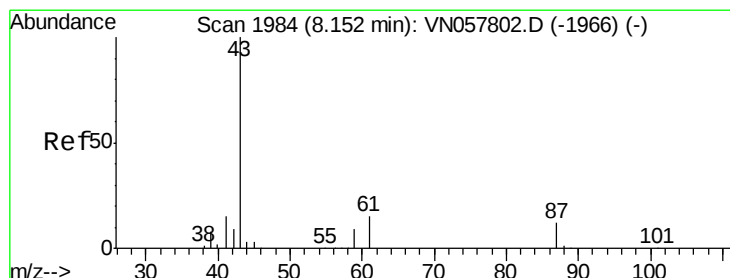
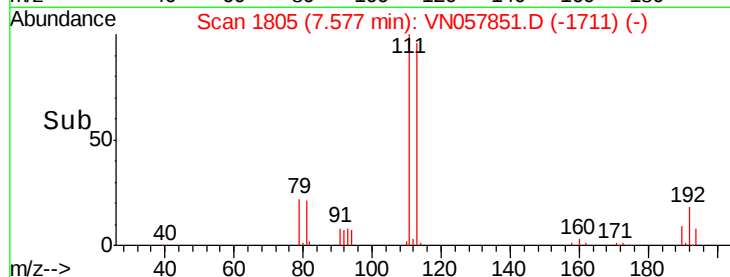
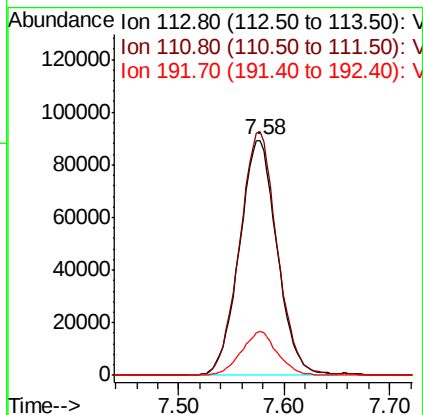
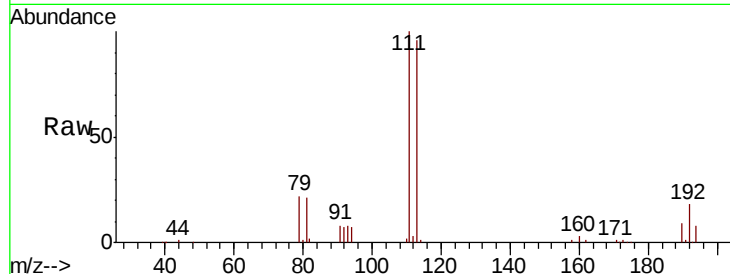
ClientSampleId :

PAR-11-B2-(0)

Tot Ion:	113	Resp:	221873
Ion Ratio	Lower	Upper	
113	100		
111	103.7	81.3	121.9
192	17.8	14.6	22.0

Manual Integrations
APPROVED

MMDadoda
9/13/2019 8:16:41 AM



#43

Isopropyl Acetate

Concen: 9.747 ug/l m

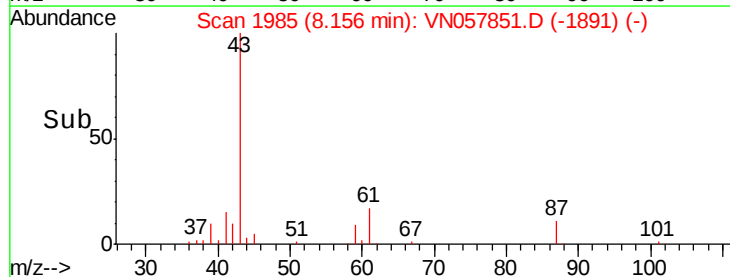
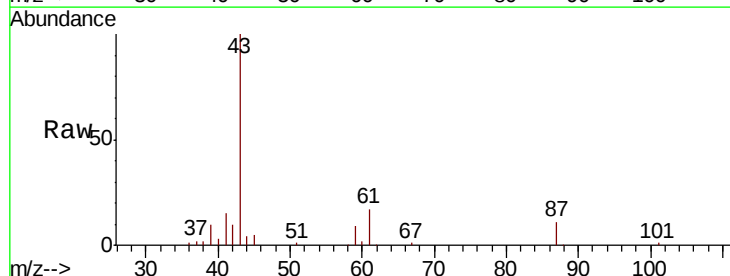
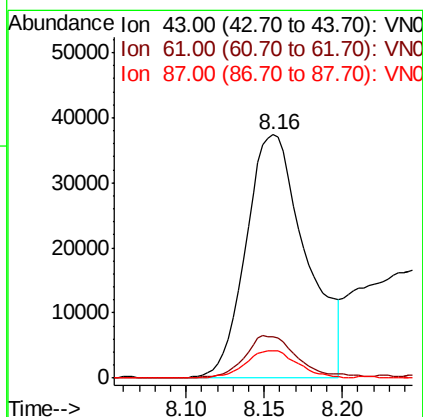
RT: 8.16 min Scan# 1985

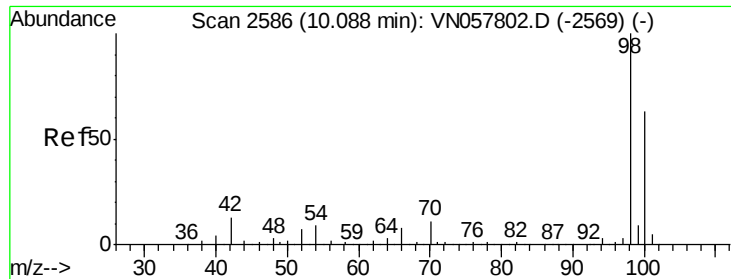
Delta R.T. 0.00 min

Lab File: VN057851.D

Acq: 10 Sep 2019 10:56

Tgt Ion:	43	Resp:	100190
Ion Ratio	Lower	Upper	
43	100		
61	0.0	20.1	30.1#
87	0.0	9.5	14.3#





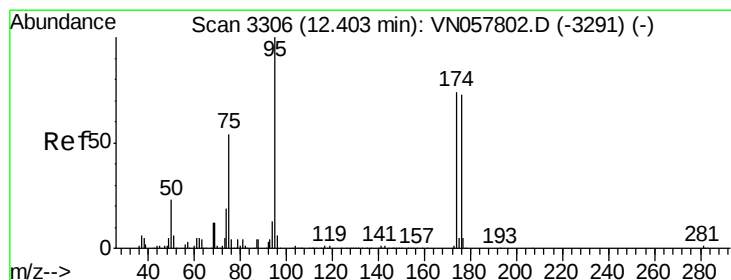
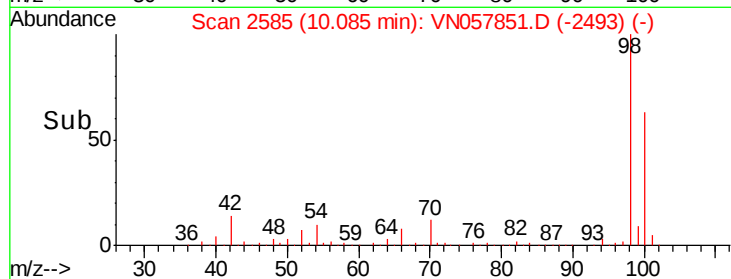
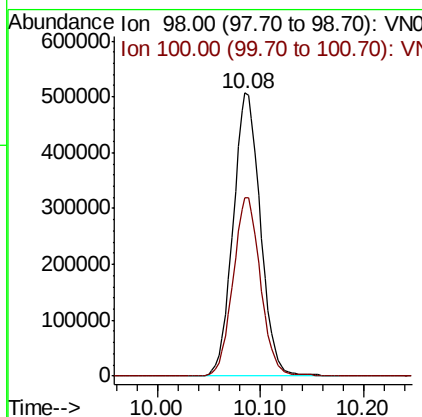
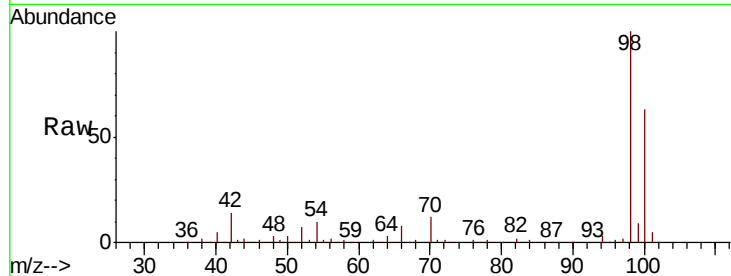
#50
Toluene-d8
Concen: 51.165 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057851.D
Acq: 10 Sep 2019 10:56

Instrument :
MSVOA_N
ClientSampleId :
PAR-11-B2-(0)

Tot Ion: 98 Resp: 935241
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5

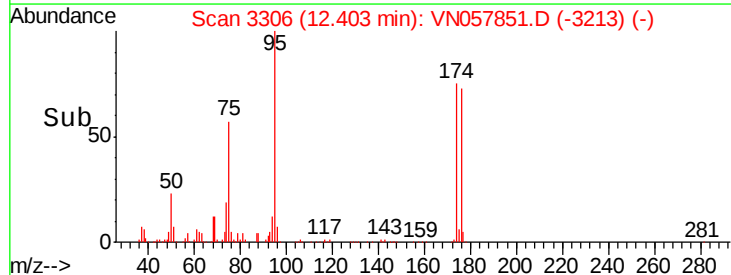
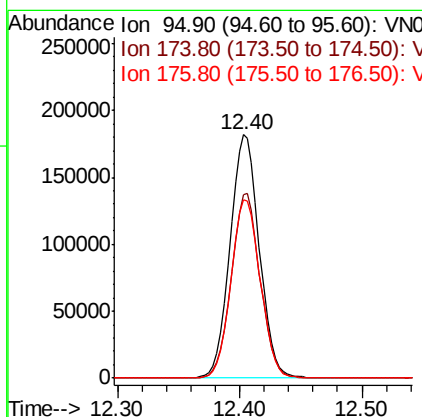
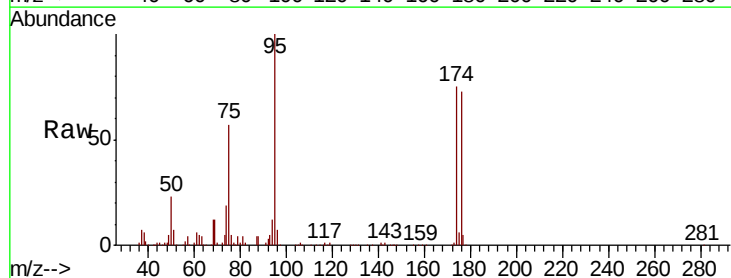
Manual Integrations
APPROVED

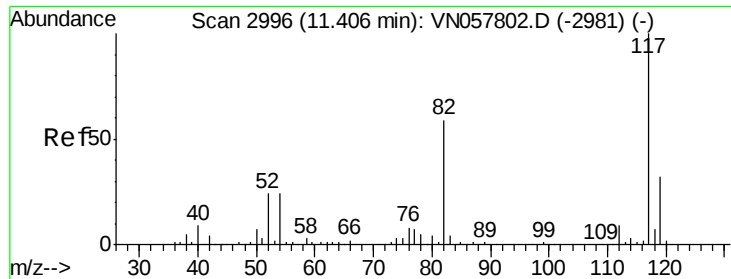
MMDadoda
9/13/2019 8:16:41 AM



#62
4-Bromofluorobenzene
Concen: 43.528 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057851.D
Acq: 10 Sep 2019 10:56

Tgt Ion: 95 Resp: 303209
Ion Ratio Lower Upper
95 100
174 74.6 0.0 150.2
176 73.3 0.0 146.0





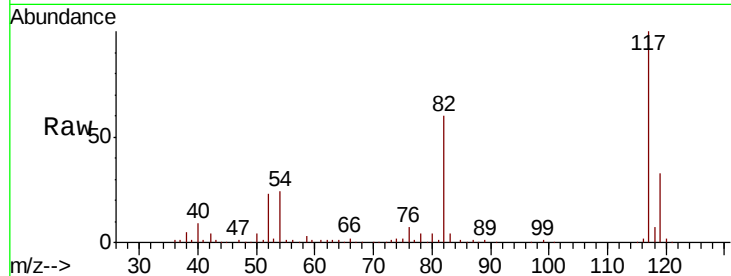
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057851.D
Acq: 10 Sep 2019 10:56

Instrument :
MSVOA_N
ClientSampleId :
PAR-11-B2-(0)

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	47.2	70.8
119	32.7	25.3	37.9

Manual Integrations
APPROVED

MMDadoda
9/13/2019 8:16:41 AM

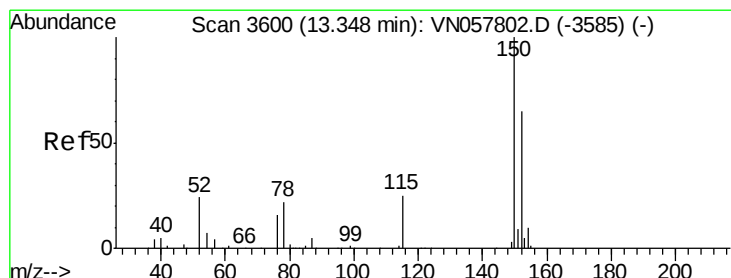
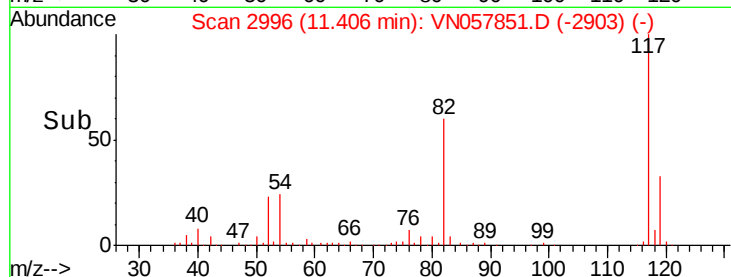
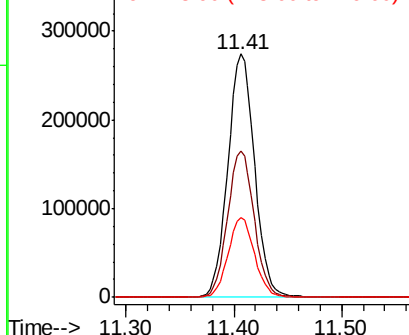


Abundance

Ion 116.90 (116.60 to 117.60): V

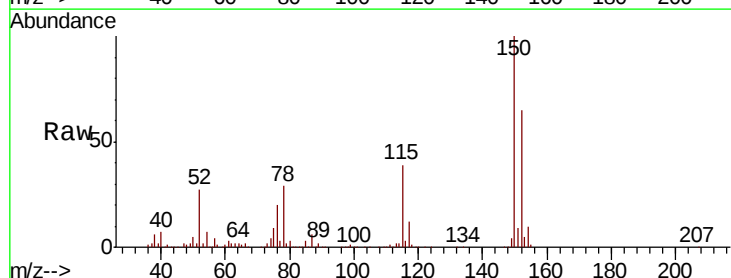
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057851.D
Acq: 10 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.3	91.0
150	157.3	0.0	352.4



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

