

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058314.D
 Acq On : 24 Sep 2019 00:01
 Operator : JC/SP
 Sample : K5002-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0516

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:49:41 AM

Quant Time: Sep 24 06:54:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	462607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	750306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	647251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267310	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	351805	54.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.20%	
35) Dibromofluoromethane	7.58	113	238466	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.56%	
50) Toluene-d8	10.08	98	966985	54.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.82%	
62) 4-Bromofluorobenzene	12.41	95	307128	46.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.04%	
Target Compounds						
16) Acetone	3.80	43	45284m	20.705	ug/l	Qvalue
25) 2-Butanone	6.83	43	14451m	4.850	ug/l	

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

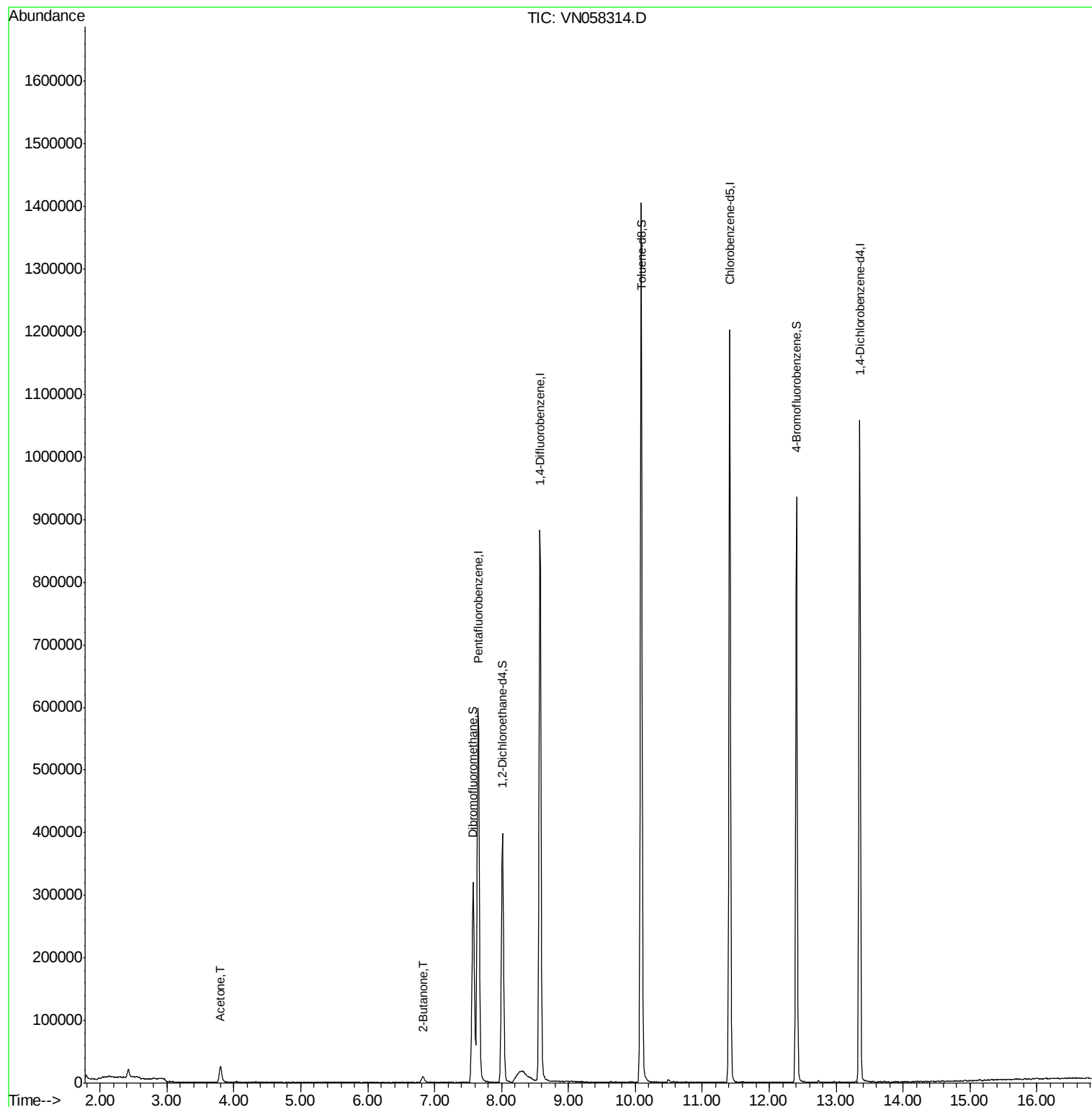
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092319\
Data File : VN058314.D
Acq On : 24 Sep 2019 00:01
Operator : JC/SP
Sample : K5002-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 43 Sample Multiplier: 1

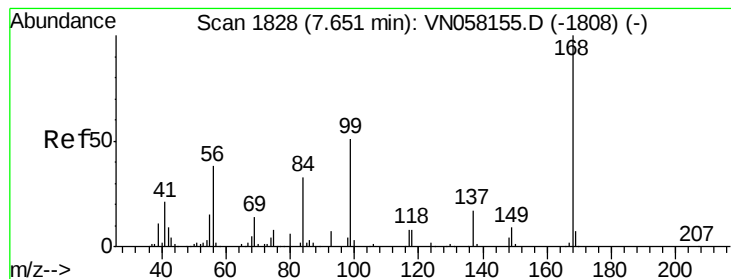
Instrument :
MSVOA_N
ClientSampleId :
S49-0516

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:49:41 AM

Quant Time: Sep 24 06:54:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058314.D

Acq: 24 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

S49-0516

Tot Ion:168 Resp: 462607

Ion Ratio Lower Upper

168 100

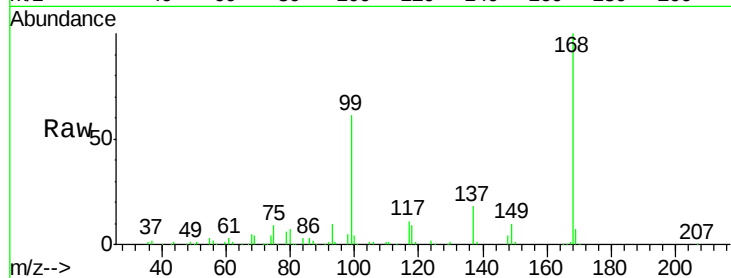
99 61.0 47.4 71.2

Manual Integrations

APPROVED

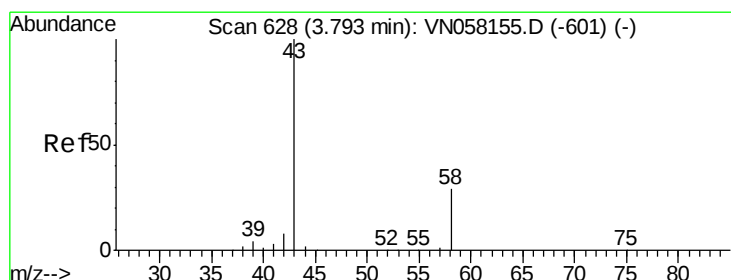
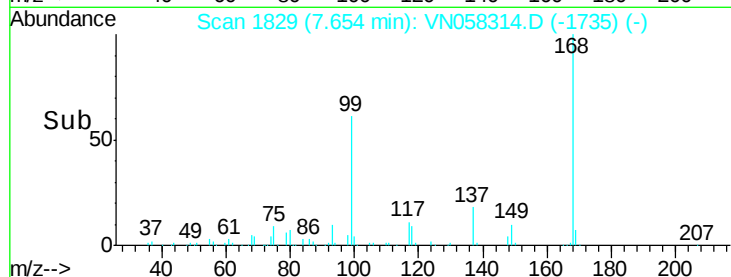
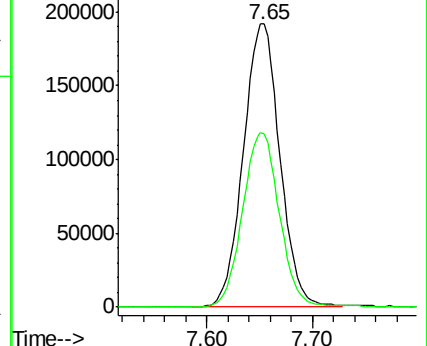
MMDadoda

9/25/2019 12:49:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 20.705 ug/l m

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058314.D

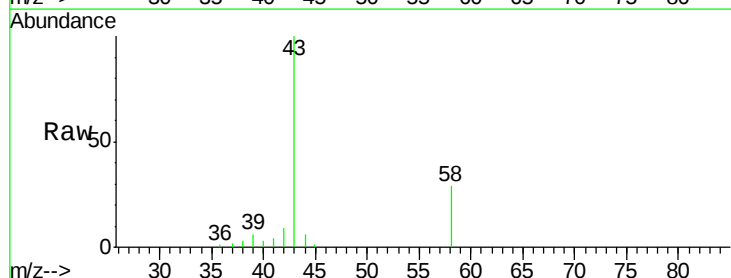
Acq: 24 Sep 2019 00:01

Tgt Ion: 43 Resp: 45284

Ion Ratio Lower Upper

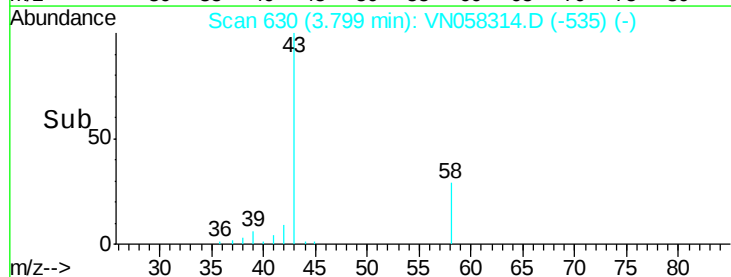
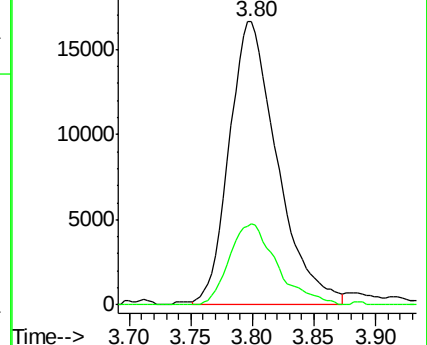
43 100

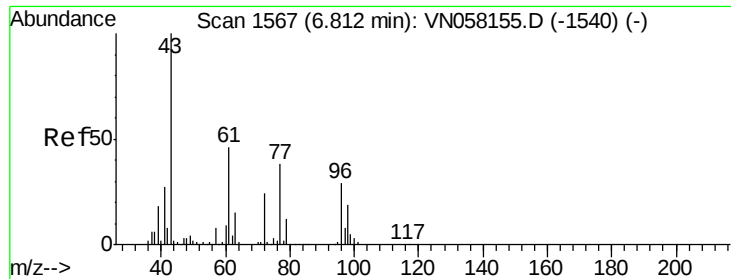
58 28.8 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#25

2-Butanone

Concen: 4.850 ug/l m

RT: 6.83 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VN058314.D

Acq: 24 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampled :

S49-0516

Tot Ion: 43 Resp: 14451

Ion Ratio Lower Upper

43 100

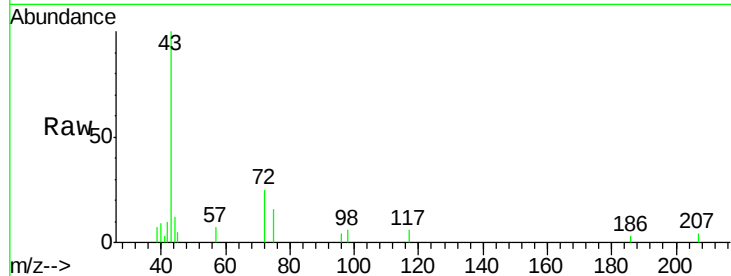
72 24.9 19.5 29.3

Manual Integrations

APPROVED

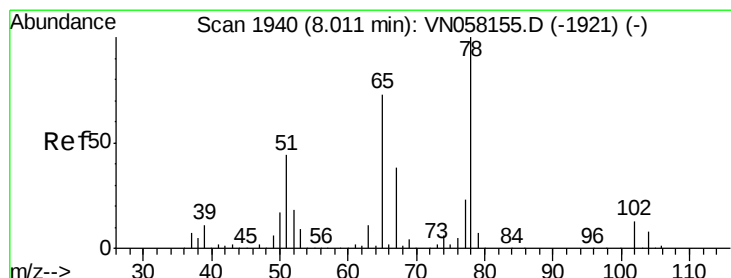
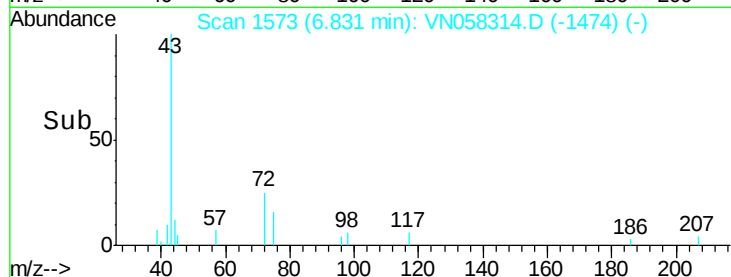
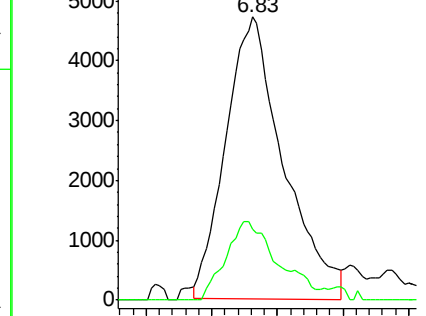
MMDadoda

9/25/2019 12:49:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.601 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058314.D

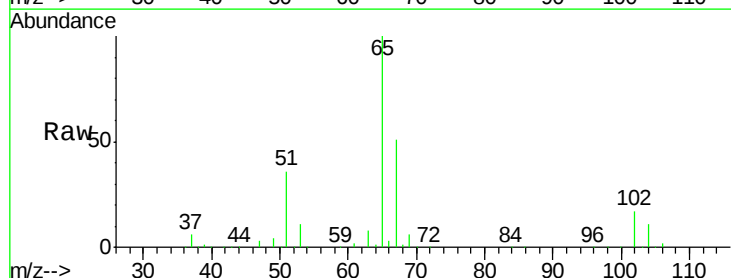
Acq: 24 Sep 2019 00:01

Tgt Ion: 65 Resp: 351805

Ion Ratio Lower Upper

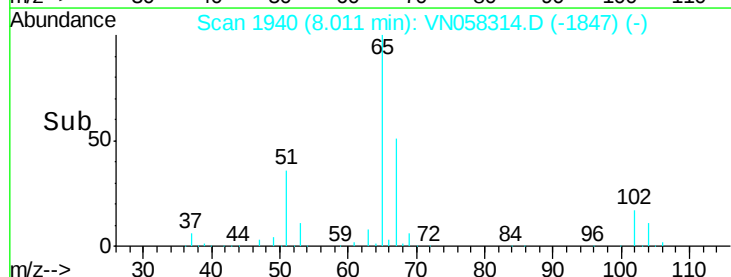
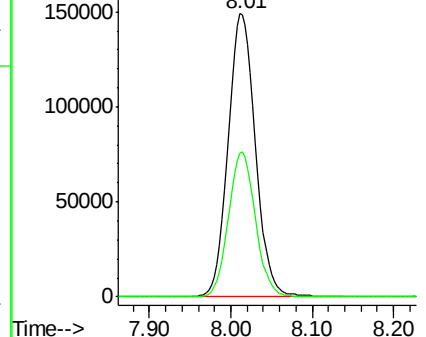
65 100

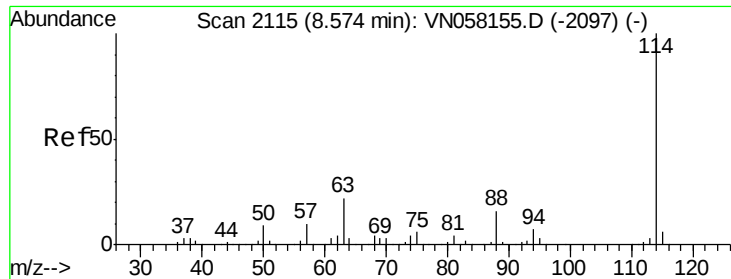
67 50.5 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





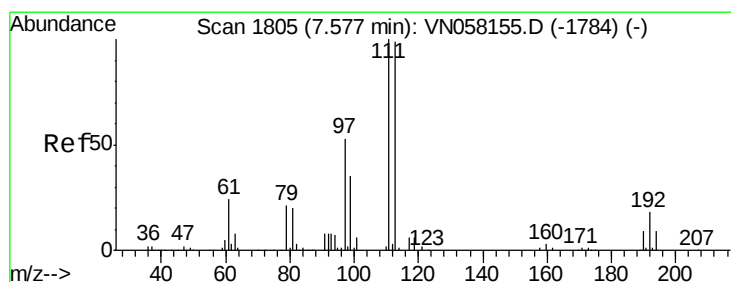
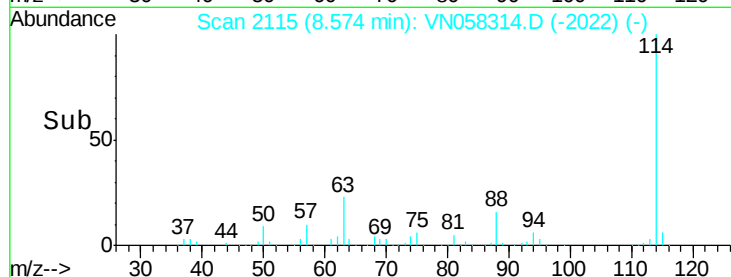
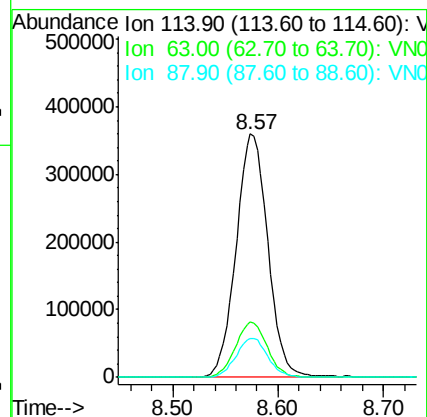
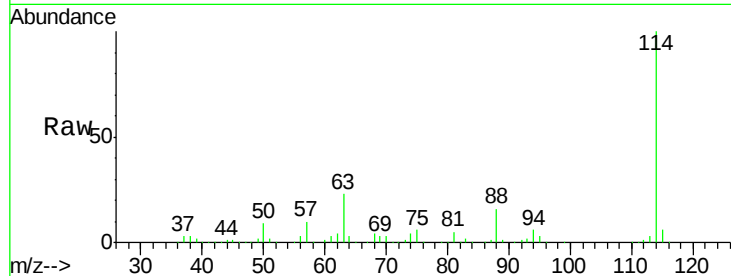
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058314.D
Acq: 24 Sep 2019 00:01

Instrument :
MSVOA_N
ClientSampleId :
S49-0516

Tot Ion	Ratio	Resp	Lower	Upper
114	100	750306		
63	22.7		0.0	44.2
88	16.0		0.0	31.6

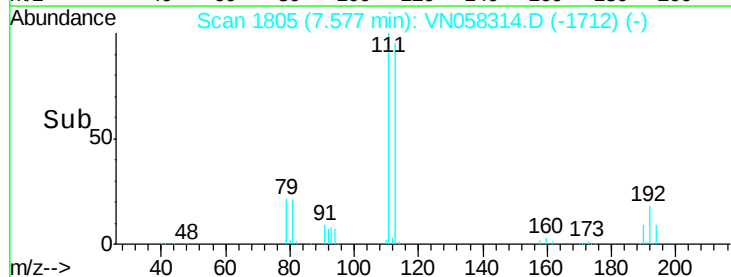
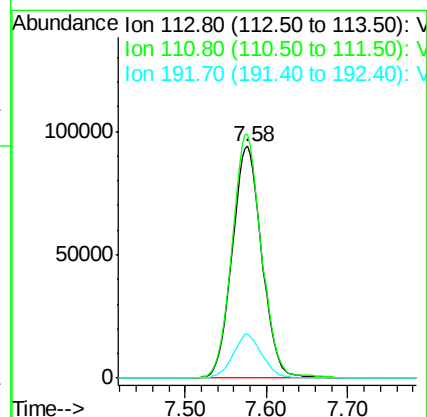
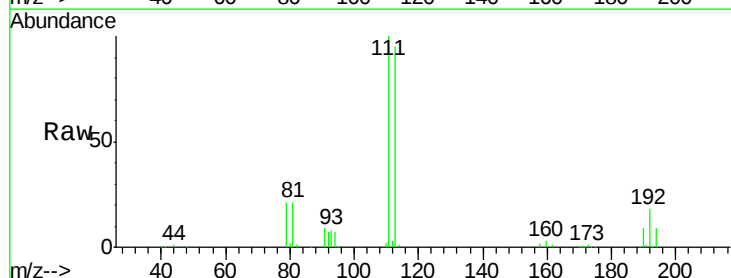
Manual Integrations
APPROVED

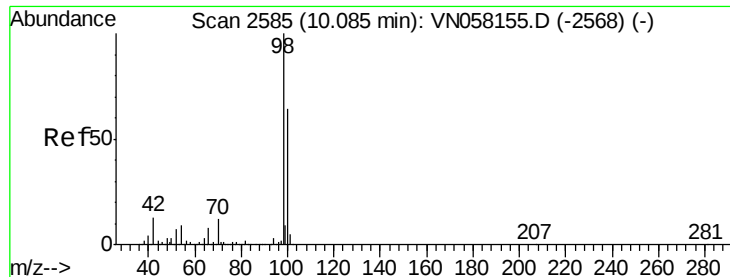
MMDadoda
9/25/2019 12:49:41 AM



#35
Dibromofluoromethane
Concen: 52.281 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VN058314.D
Acq: 24 Sep 2019 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	238466		
111	103.8		81.8	122.6
192	18.5		14.5	21.7





#50

Toluene-d8

Concen: 54.412 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058314.D

Acq: 24 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

S49-0516

Tot Ion: 98 Resp: 966985

Ion Ratio Lower Upper

98 100

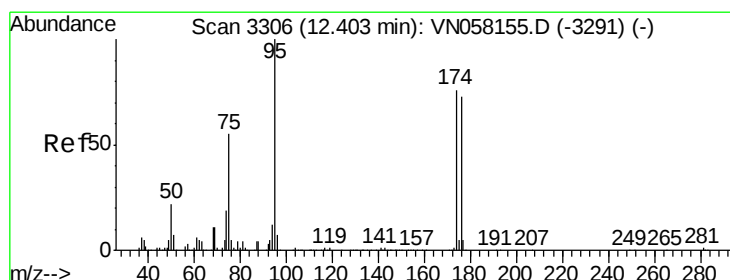
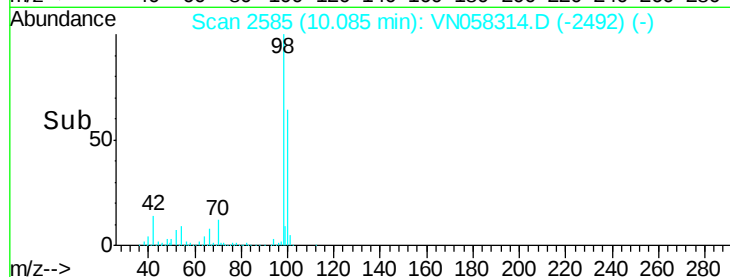
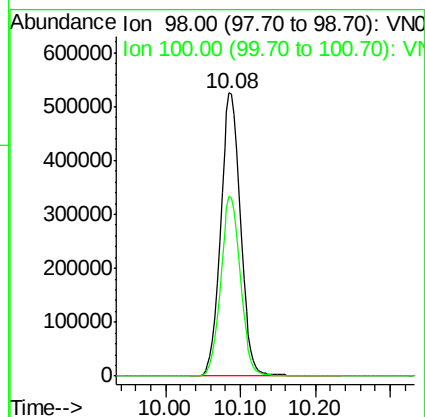
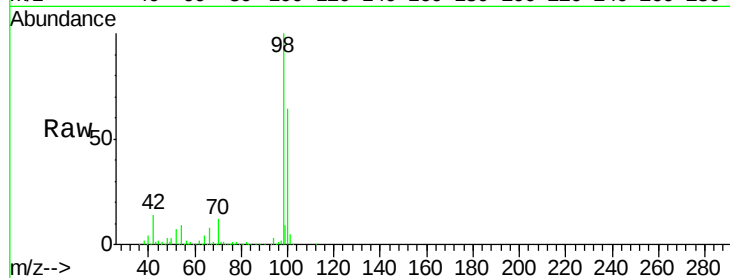
100 62.9 51.1 76.7

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:49:41 AM



#62

4-Bromofluorobenzene

Concen: 46.524 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058314.D

Acq: 24 Sep 2019 00:01

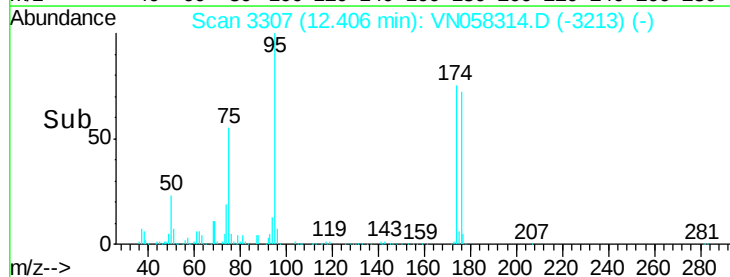
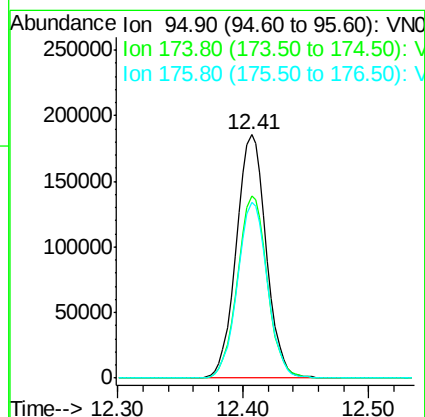
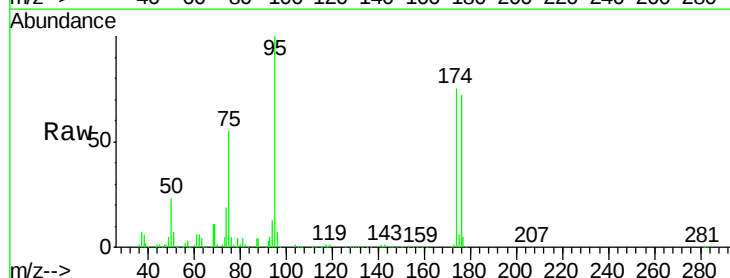
Tgt Ion: 95 Resp: 307128

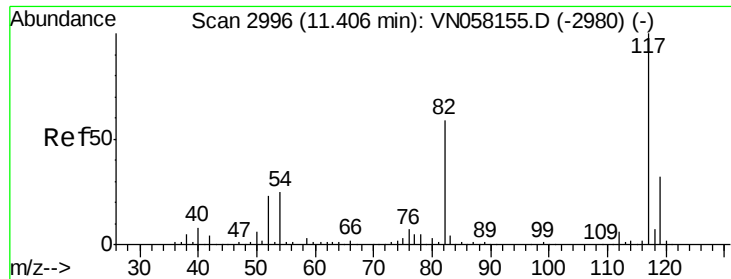
Ion Ratio Lower Upper

95 100

174 74.6 0.0 152.2

176 72.7 0.0 148.0





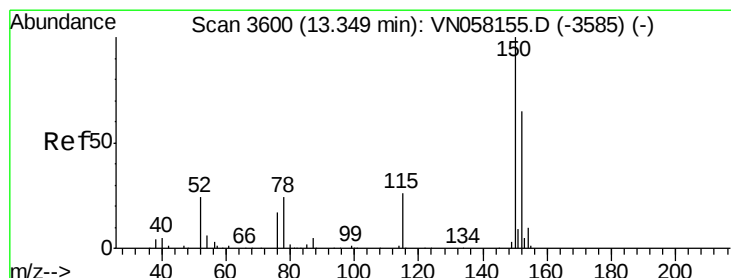
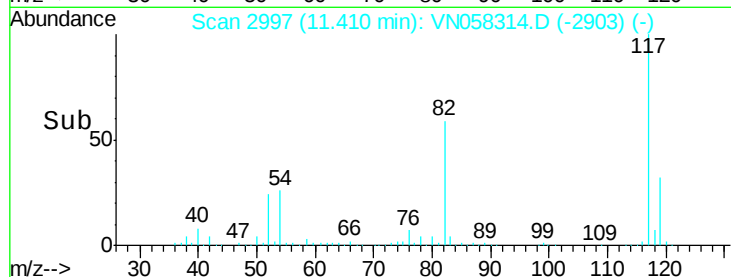
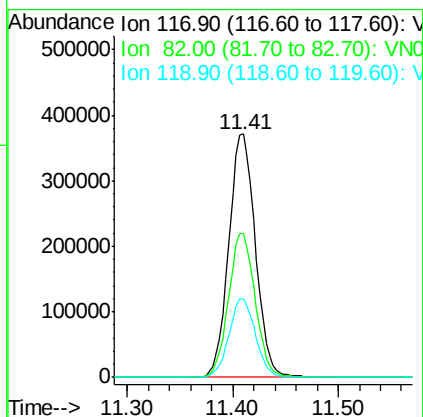
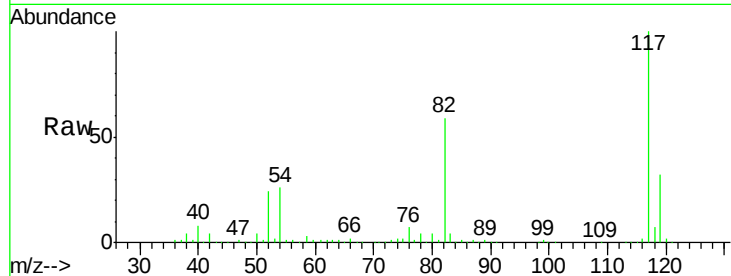
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058314.D
Acq: 24 Sep 2019 00:01

Instrument :
MSVOA_N
ClientSampled :
S49-0516

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.9	70.3
119	32.1	25.3	37.9

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:49:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058314.D
Acq: 24 Sep 2019 00:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	30.1	90.3
150	159.9	0.0	346.4

