

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054651.D
 Acq On : 24 Mar 2019 16:34
 Operator : JC/SP
 Sample : K2047-12
 Misc : 5.75g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB435-190318-(24-26)

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 9:55:08 AM

Quant Time: Mar 25 07:25:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	571528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	888519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	760671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	302268	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	352897	49.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.28%	
35) Dibromofluoromethane	7.59	113	269829	47.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.28%	
50) Toluene-d8	10.09	98	1082285	50.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	348525	47.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.18%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.19	62	29437	3.944	ug/l	98
12) 1,1-Dichloroethene	3.71	96	5139	0.932	ug/l	84
21) trans-1,2-Dichloroethene	5.03	96	13152	2.336	ug/l	92
27) cis-1,2-Dichloroethene	6.83	96	291129	43.361	ug/l	96
44) Trichloroethene	8.83	130	10261	1.554	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	6253	0.625	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	21842m	2.242	ug/l	
91) 1,2-Dichlorobenzene	13.65	146	94969	9.794	ug/l	97

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

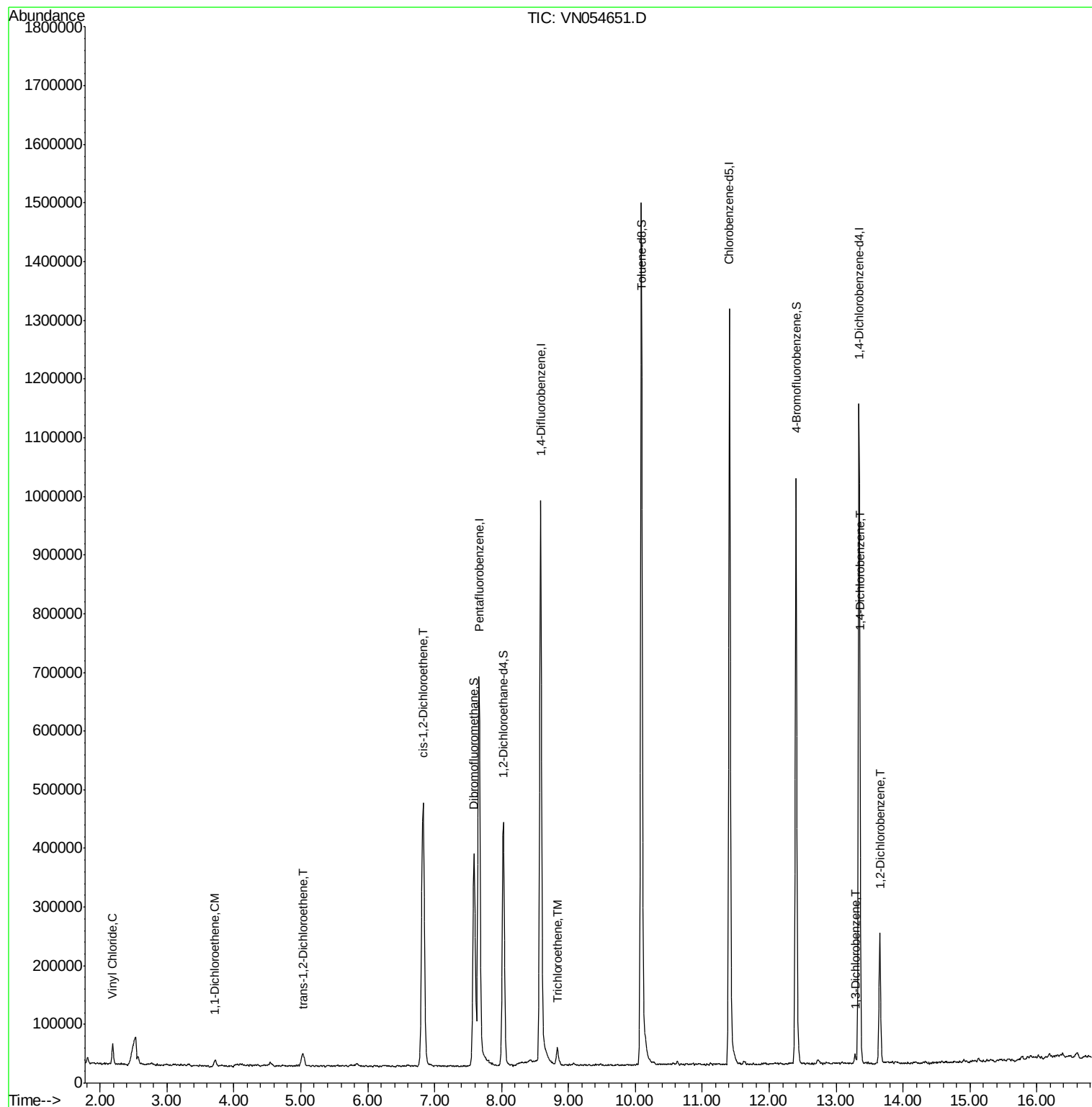
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032419\
Data File : VN054651.D
Acq On : 24 Mar 2019 16:34
Operator : JC/SP
Sample : K2047-12
Misc : 5.75µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

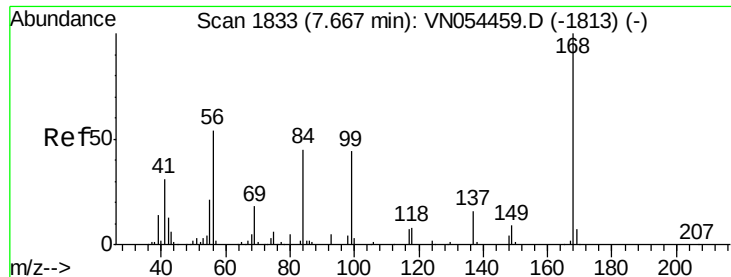
Instrument :
MSVOA_N
ClientSampleId :
WP022SB435-190318-(24-26)

Manual Integrations
APPROVED

MMDadoda
3/25/2019 9:55:08 AM

Quant Time: Mar 25 07:25:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054651.D

Acq: 24 Mar 2019 16:34

Instrument :

MSVOA_N

ClientSampleId :

WP022SB435-190318-(24-26)

Tot Ion:168 Resp: 571528

Ion Ratio Lower Upper

168 100

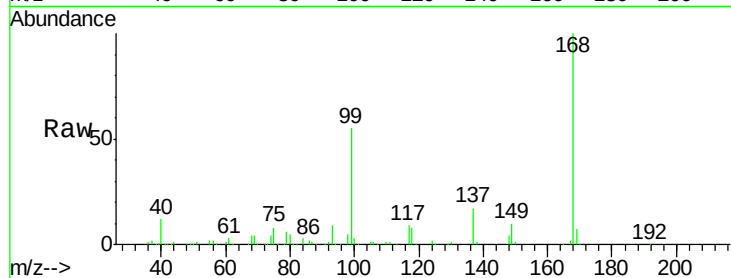
99 55.2 37.1 55.7

Manual Integrations

APPROVED

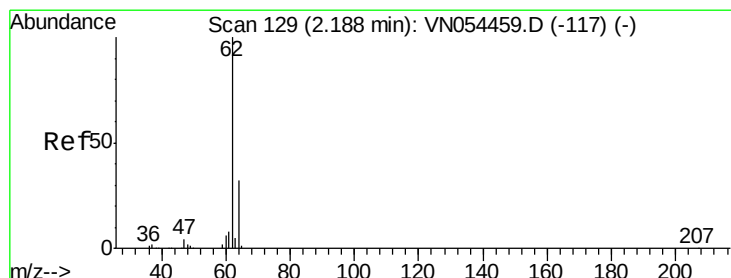
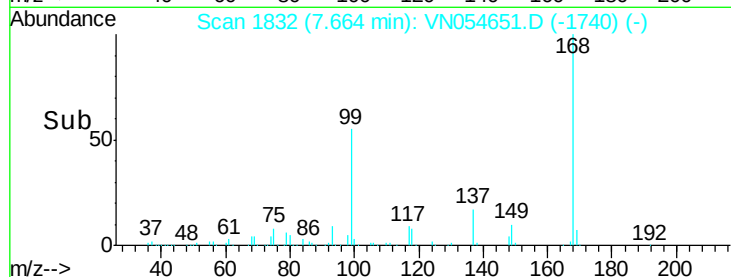
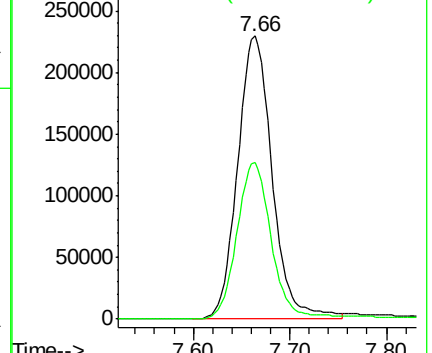
MMDadoda

3/25/2019 9:55:08 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 3.944 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054651.D

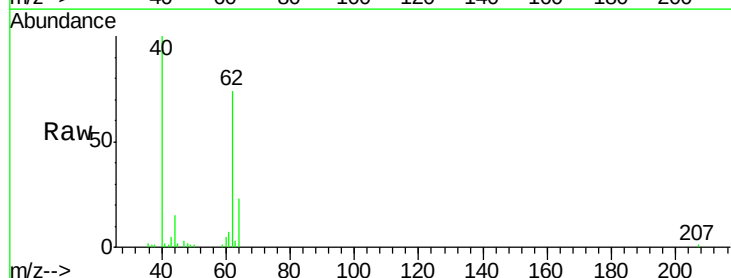
Acq: 24 Mar 2019 16:34

Tgt Ion: 62 Resp: 29437

Ion Ratio Lower Upper

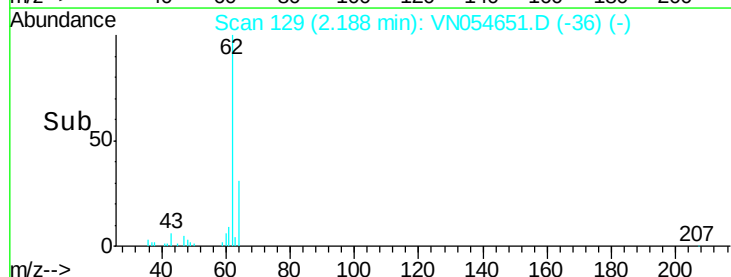
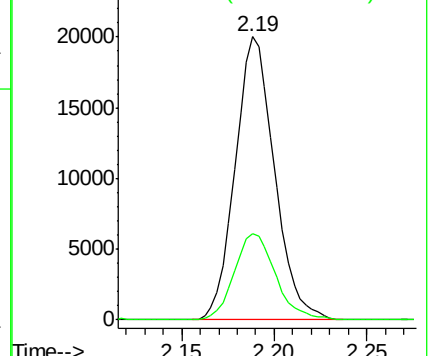
62 100

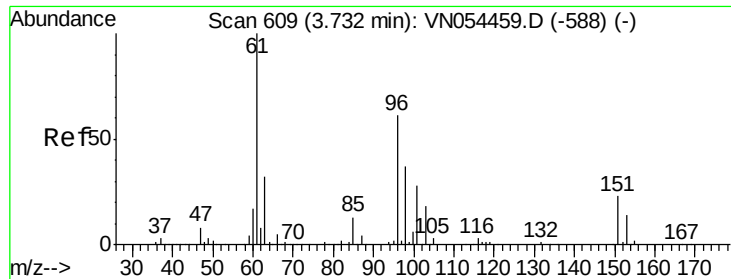
64 30.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





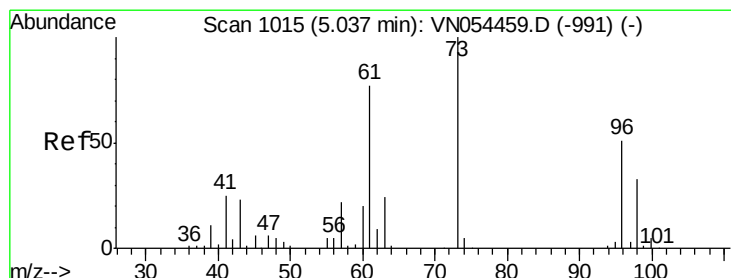
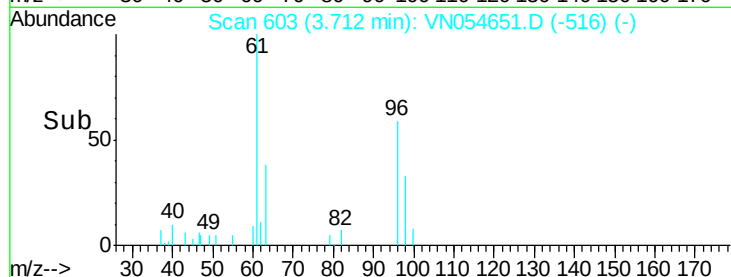
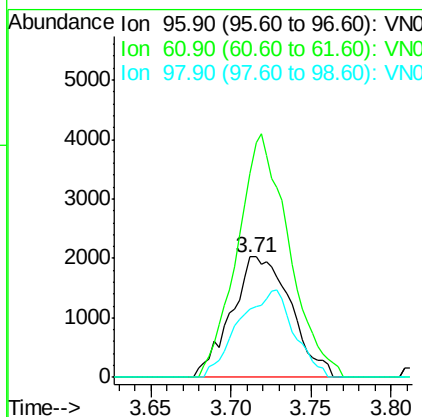
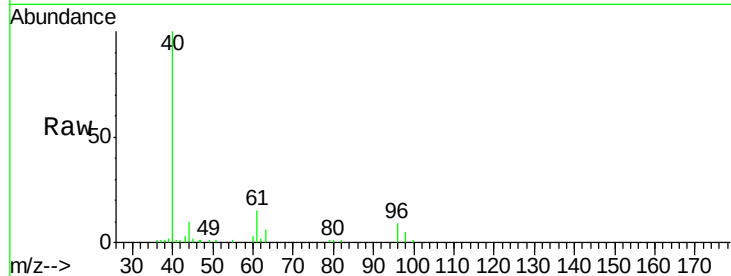
#12
1,1-Dichloroethene
Concen: 0.932 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.02 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

Instrument :
MSVOA_N
ClientSampleId :
WP022SB435-190318-(24-26)

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.1	116.5	174.7
98	56.4	51.0	76.4

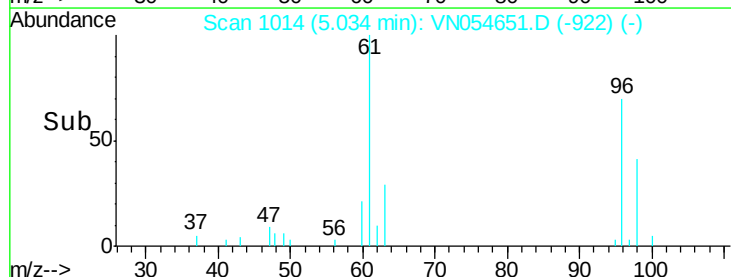
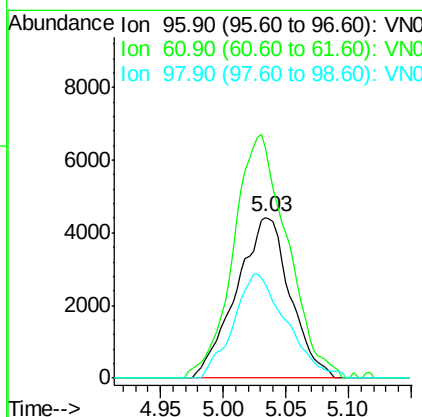
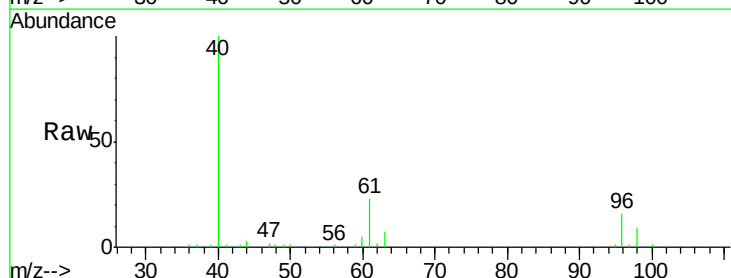
Manual Integrations
APPROVED

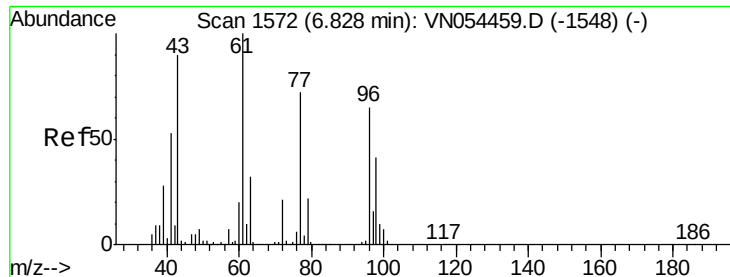
MMDadoda
3/25/2019 9:55:08 AM



#21
trans-1,2-Dichloroethene
Concen: 2.336 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.5	102.8	154.2
98	58.4	50.0	75.0





#27

cis-1,2-Dichloroethene

Concen: 43.361 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054651.D

Acq: 24 Mar 2019 16:34

Instrument :

MSVOA_N

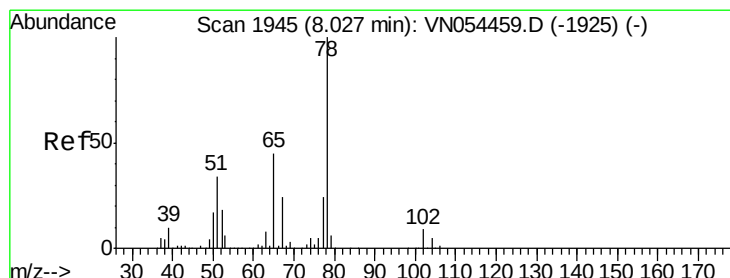
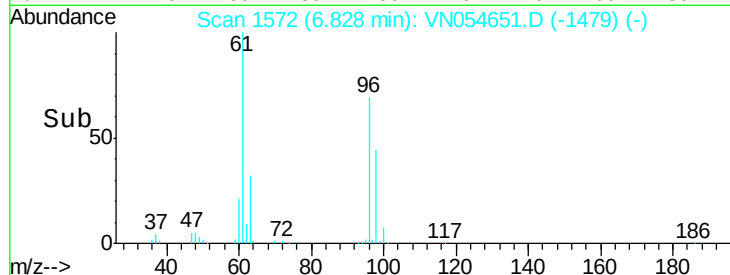
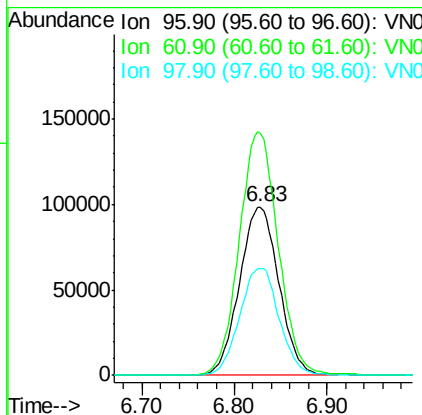
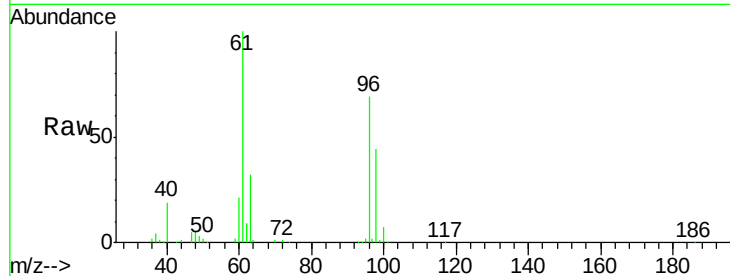
ClientSampleId :

WP022SB435-190318-(24-26)

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.6	0.0	273.0	
98	63.8	0.0	130.6	

Manual Integrations
APPROVED

MMDadoda
3/25/2019 9:55:08 AM



#33

1,2-Dichloroethane-d4

Concen: 49.642 ug/l

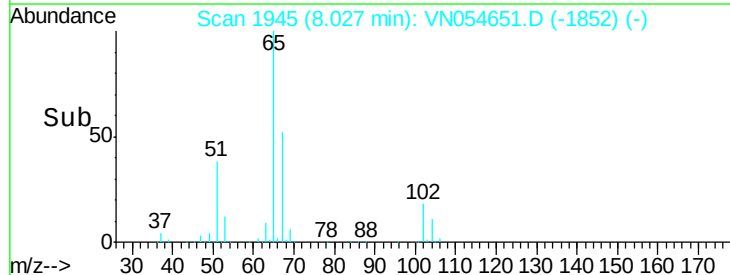
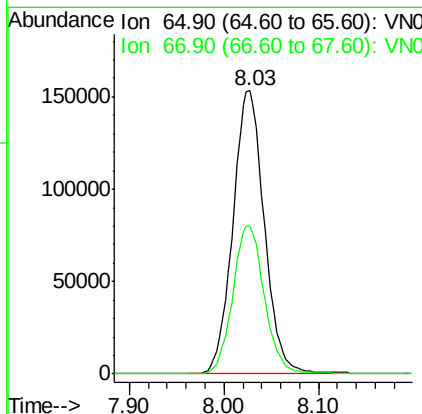
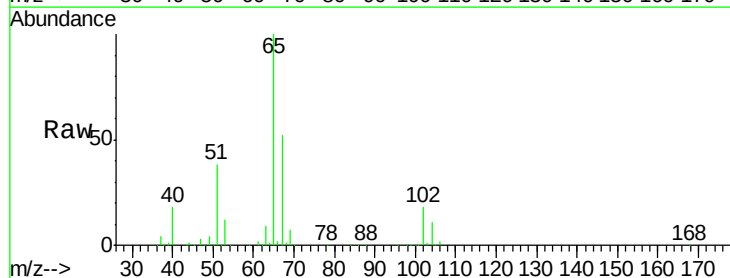
RT: 8.03 min Scan# 1945

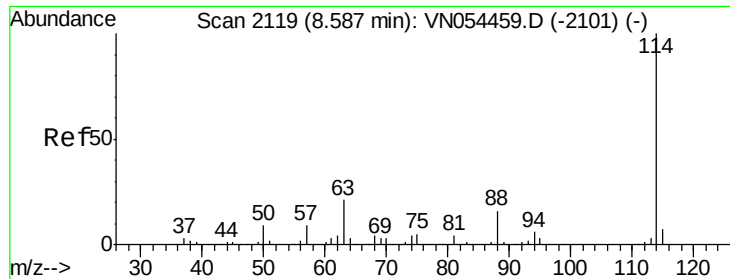
Delta R.T. 0.00 min

Lab File: VN054651.D

Acq: 24 Mar 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	104.6	





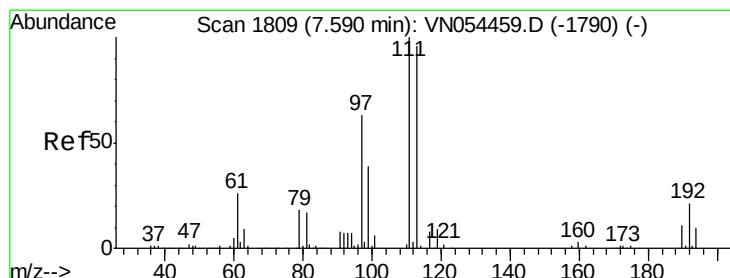
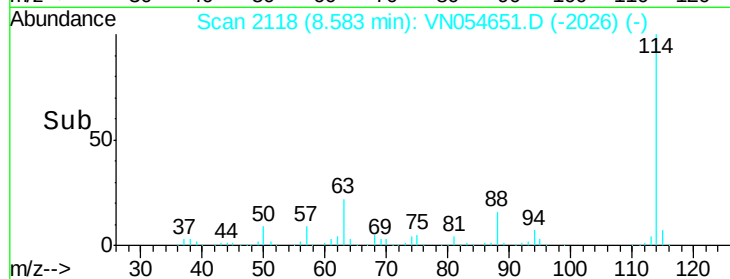
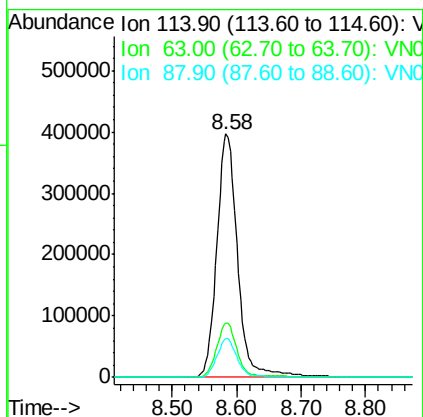
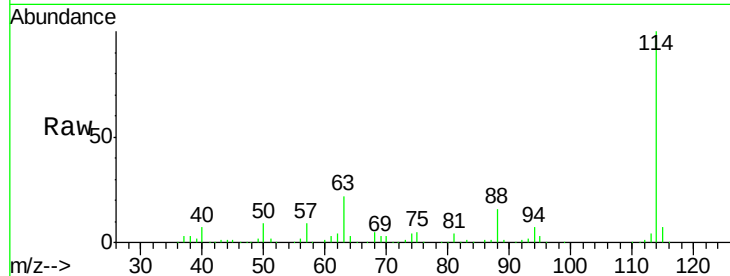
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB435-190318-(24-26)

Tot Ion	Ratio	Resp	Lower	Upper
114	100	888519		
63	22.3		0.0	35.2
88	16.2		0.0	30.2

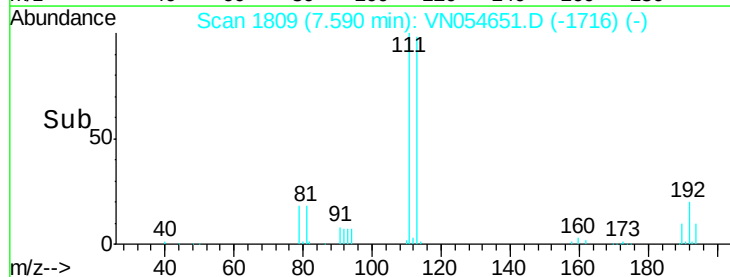
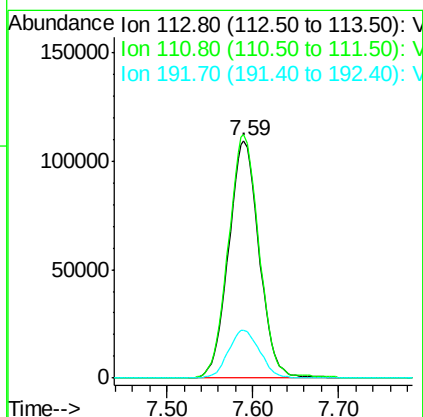
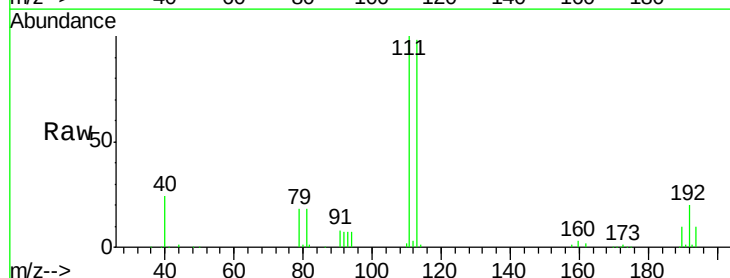
Manual Integrations
 APPROVED

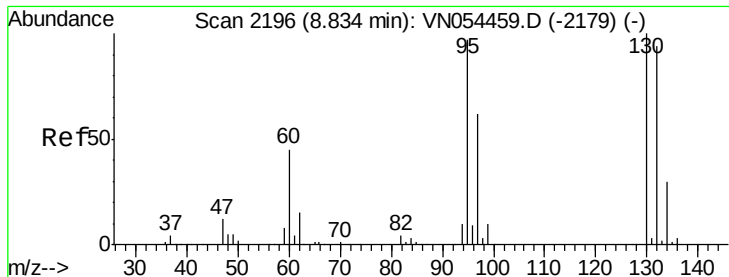
MMDadoda
 3/25/2019 9:55:08 AM



#35
 Dibromofluoromethane
 Concen: 47.138 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	269829		
111	102.5		82.2	123.4
192	20.8		19.2	28.8





#44

Trichloroethene

Concen: 1.554 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054651.D

Acq: 24 Mar 2019 16:34

Instrument :

MSVOA_N

ClientSampleId :

WP022SB435-190318-(24-26)

Tot Ion:130 Resp: 10261

Ion Ratio Lower Upper

130 100

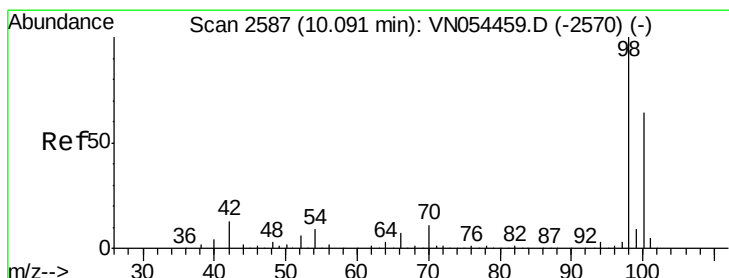
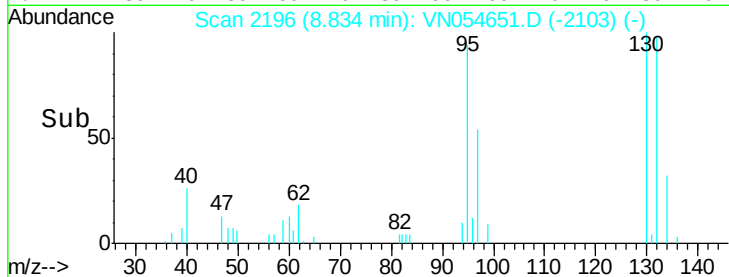
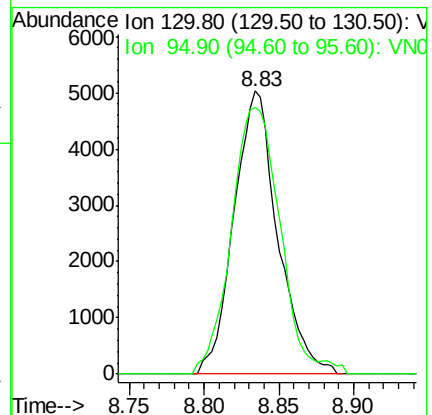
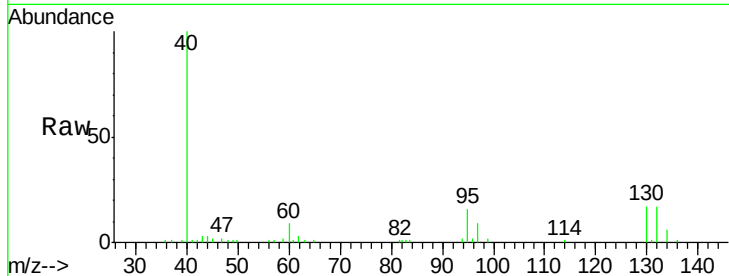
95 94.3 0.0 185.2

Manual Integrations

APPROVED

MMDadoda

3/25/2019 9:55:08 AM



#50

Toluene-d8

Concen: 50.293 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054651.D

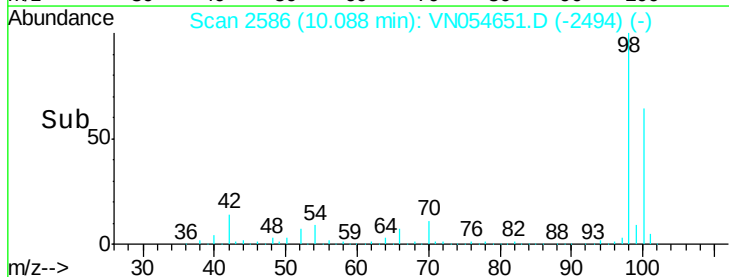
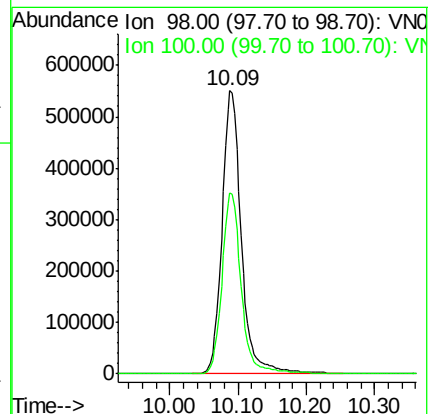
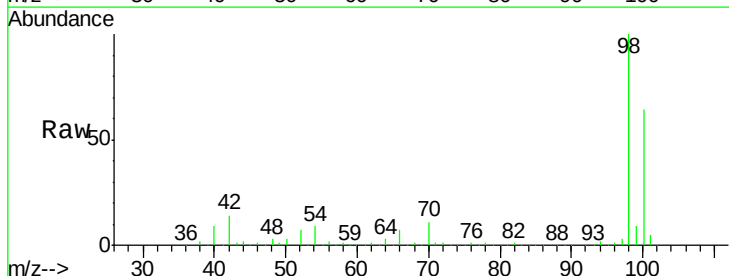
Acq: 24 Mar 2019 16:34

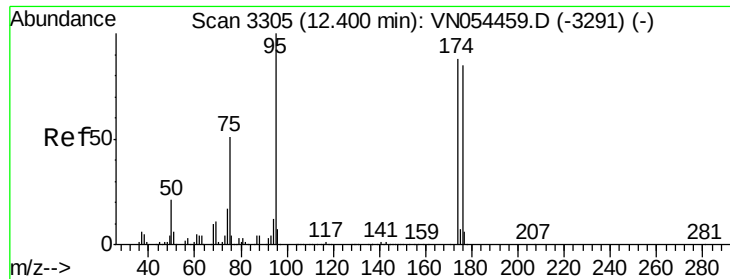
Tgt Ion: 98 Resp: 1082285

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8





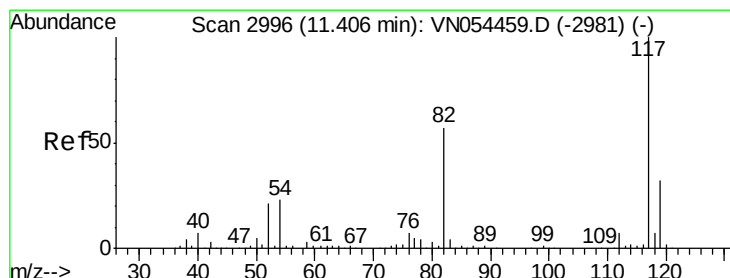
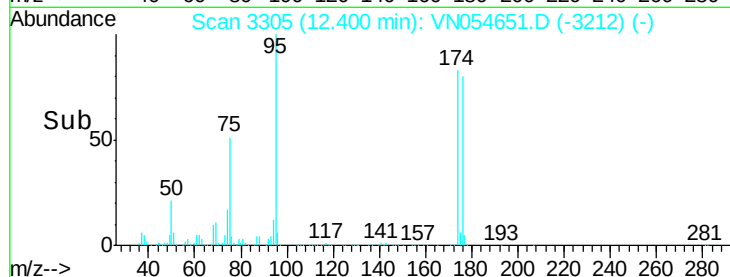
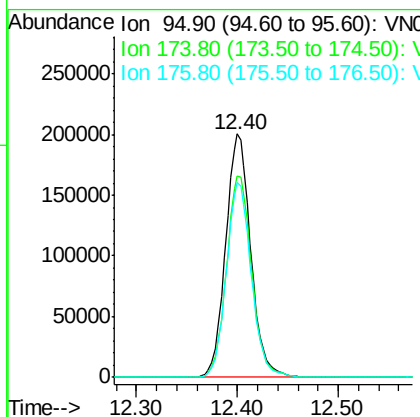
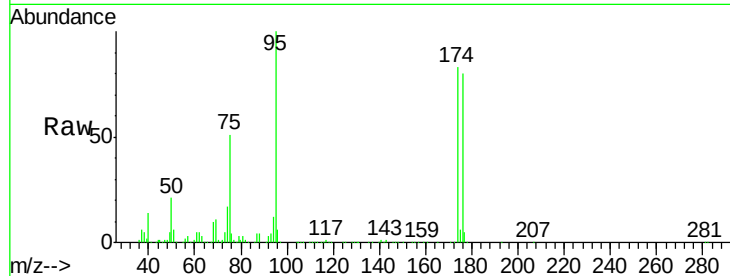
#62
4-Bromofluorobenzene
Concen: 47.594 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

Instrument :
MSVOA_N
ClientSampleId :
WP022SB435-190318-(24-26)

Tot Ion	Ratio	Resp	Lower	Upper
95	100	348525		
174	83.4	0.0	191.0	
176	79.7	0.0	187.4	

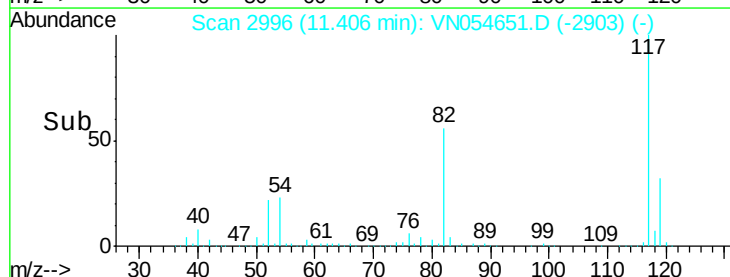
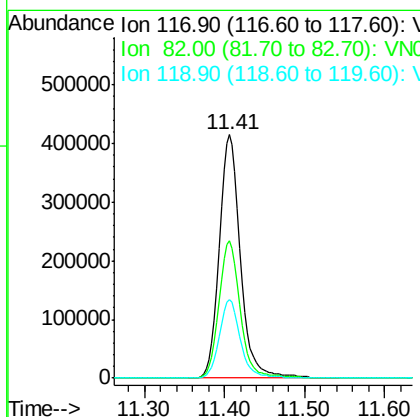
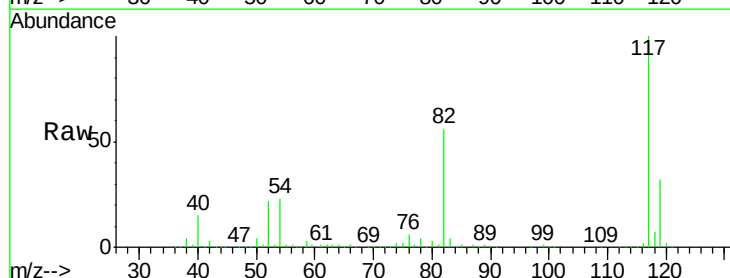
Manual Integrations
APPROVED

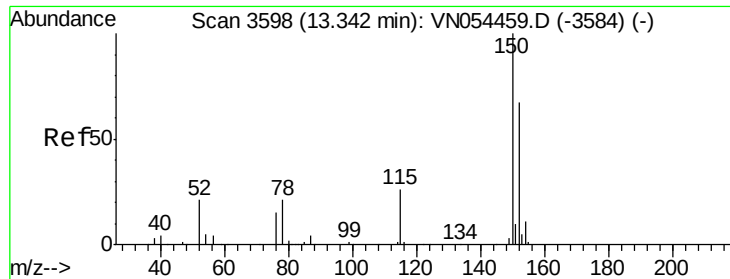
MMDadoda
3/25/2019 9:55:08 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	760671		
82	56.4	40.0	60.0	
119	32.5	25.8	38.6	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054651.D

Acq: 24 Mar 2019 16:34

Instrument :

MSVOA_N

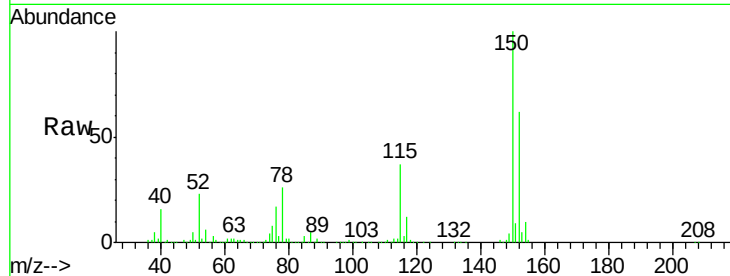
ClientSampleId :

WP022SB435-190318-(24-26)

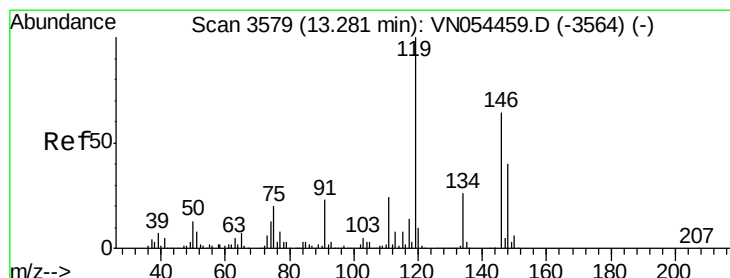
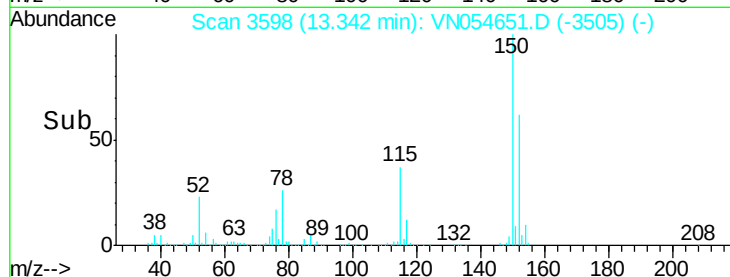
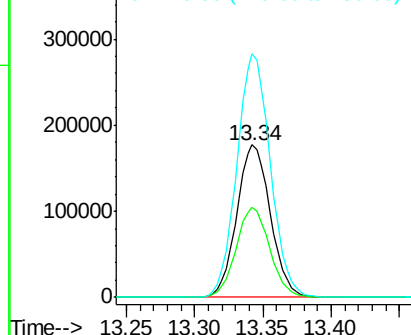
Tot Ion:	152	Resp:	302268
Ion Ratio	Lower	Upper	
152	100		
115	59.0	27.2	81.6
150	159.6	0.0	349.2

Manual Integrations
APPROVED

MMDadoda
3/25/2019 9:55:08 AM



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



#87

1,3-Dichlorobenzene

Concen: 0.625 ug/l

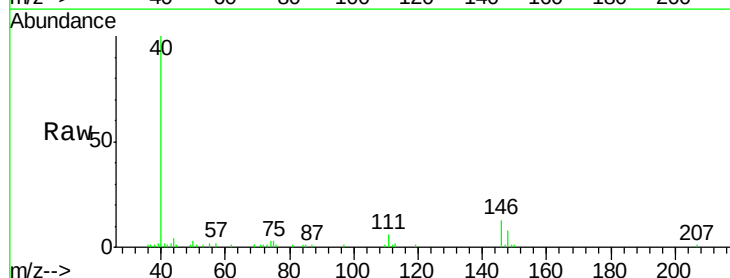
RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

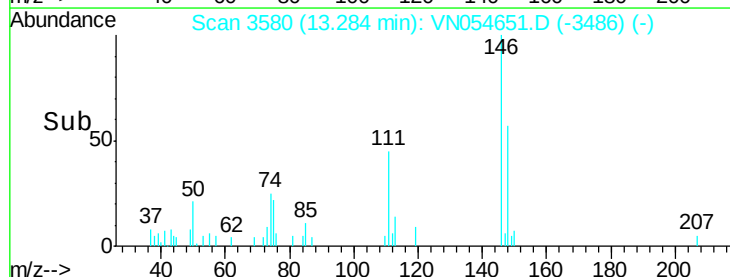
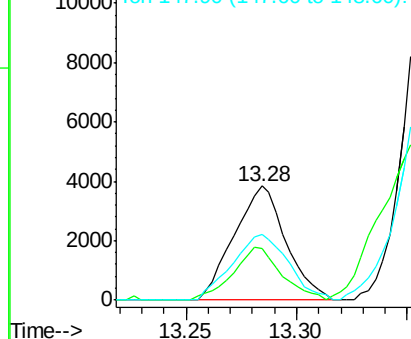
Lab File: VN054651.D

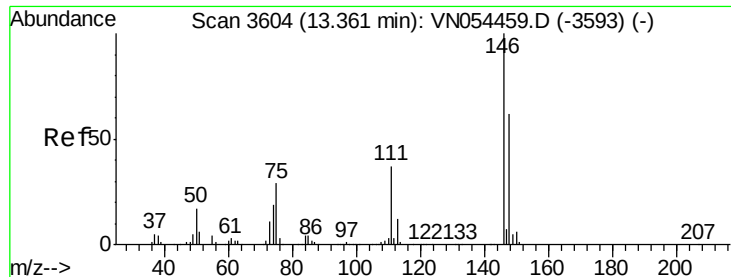
Acq: 24 Mar 2019 16:34

Tgt Ion:	146	Resp:	6253
Ion Ratio	Lower	Upper	
146	100		
111	43.5	18.8	56.3
148	61.8	32.2	96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





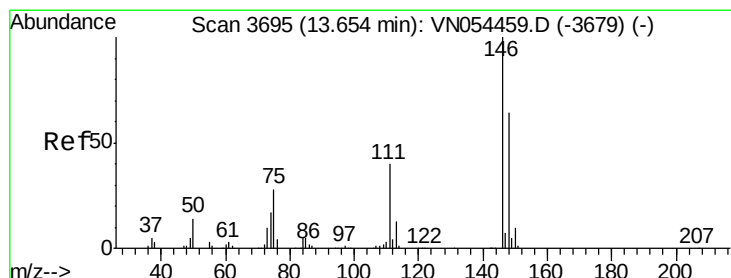
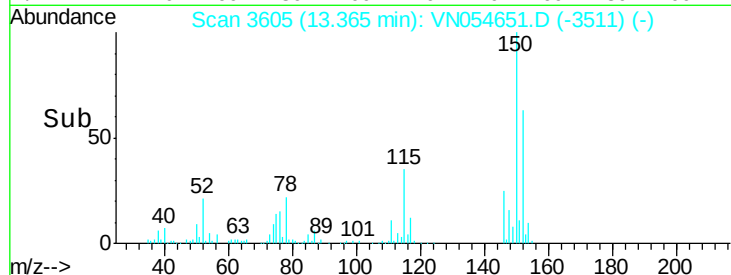
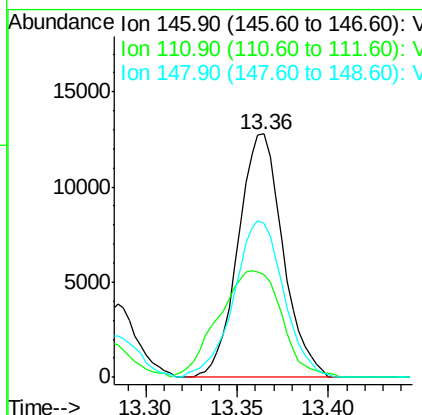
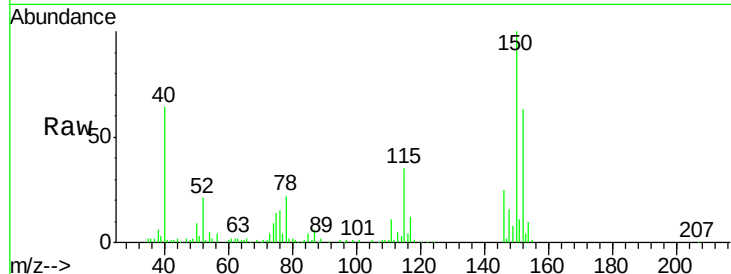
#88
 1,4-Dichlorobenzene
 Concen: 2.242 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB435-190318-(24-26)

Tot Ion	Ratio	Lower	Upper
146	100		
111	12.4	18.1	54.1#
148	17.7	32.0	96.0#

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 9:55:08 AM



#91
 1,2-Dichlorobenzene
 Concen: 9.794 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.1	57.3
148	62.0	32.4	97.0

