

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061555.D
 Acq On : 7 Feb 2019 20:06
 Operator : VA/AP
 Sample : K1404-06
 Misc : 5.42g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS2-3.5-4.0

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:36:43 PM

Quant Time: Feb 09 05:25:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	197979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	341035	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	307203	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	148857	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	120357	49.24	ug/l	0.01
Spiked Amount 50.000			Recovery	=	98.48%	
35) Dibromofluoromethane	4.11	113	137767	51.19	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.38%	
50) Toluene-d8	7.55	98	321625	43.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.24%	
62) 4-Bromofluorobenzene	11.40	95	147225	42.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.48%	
Target Compounds						
20) Methylene Chloride	2.18	84	9184m	3.897	ug/l	Qvalue

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

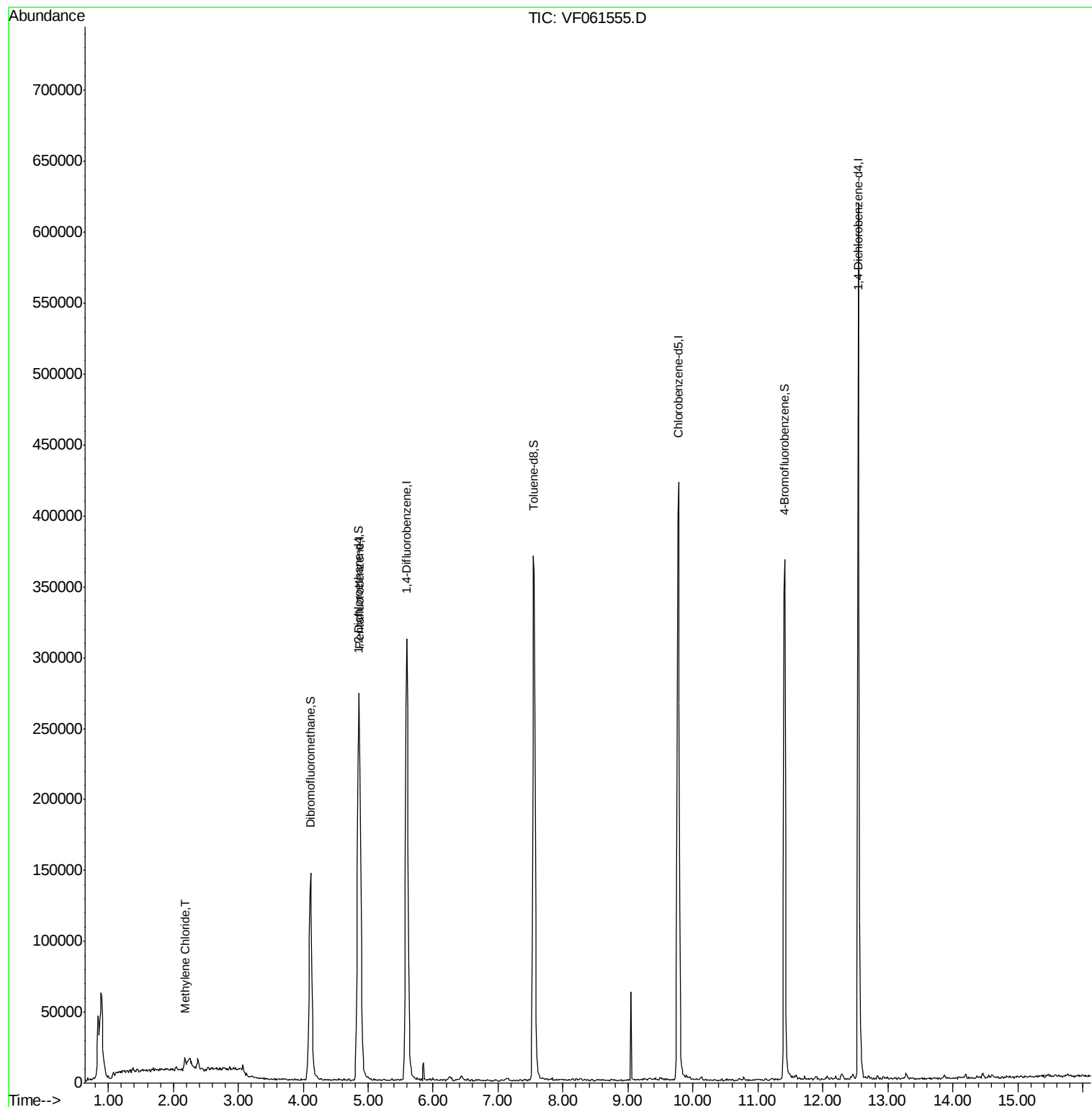
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF020719\
Data File : VF061555.D
Acq On : 7 Feb 2019 20:06
Operator : VA/AP
Sample : K1404-06
Misc : 5.42g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

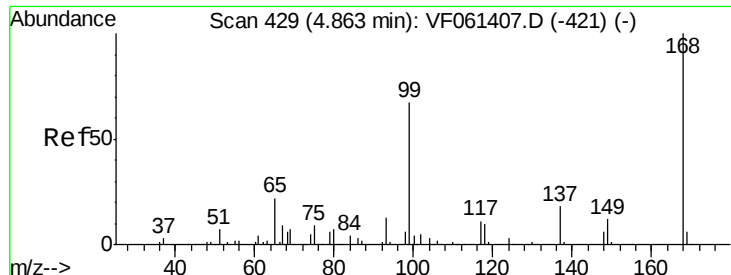
Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS2-3.5-4.0

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:36:43 PM

Quant Time: Feb 09 05:25:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF061555.D

Acq: 7 Feb 2019 20:06

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS2-3.5-4.0

Tot Ion:168 Resp: 197979

Ion Ratio Lower Upper

168 100

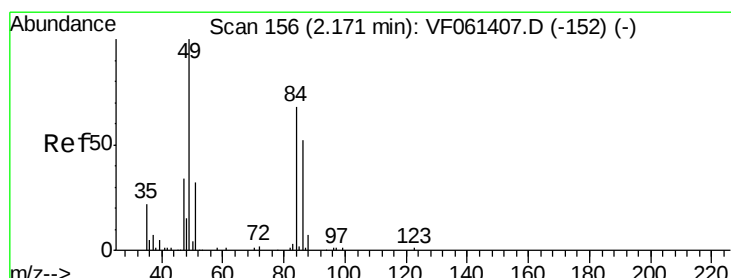
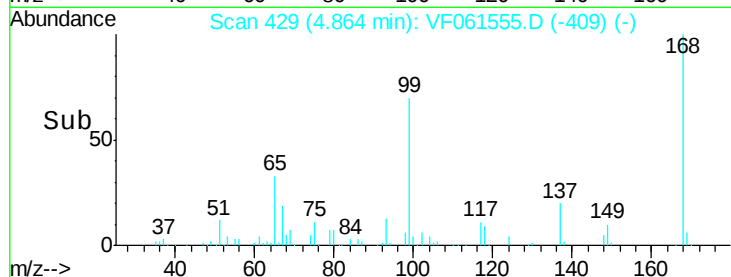
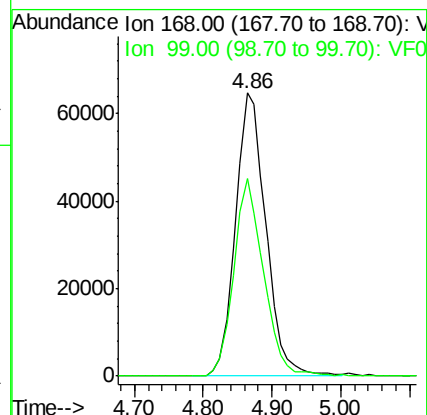
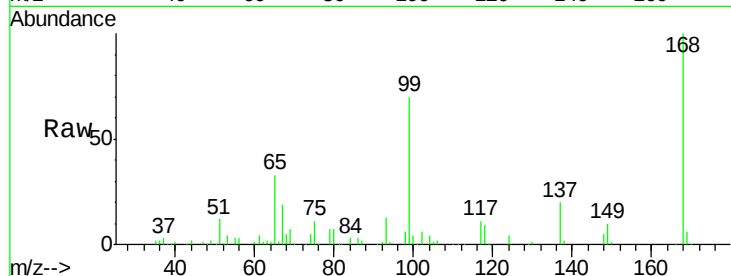
99 70.0 53.5 80.3

Manual Integrations

APPROVED

MMDadoda

2/11/2019 12:36:43 PM



#20

Methylene Chloride

Concen: 3.897 ug/l m

RT: 2.18 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF061555.D

Acq: 7 Feb 2019 20:06

Tgt Ion: 84 Resp: 9184

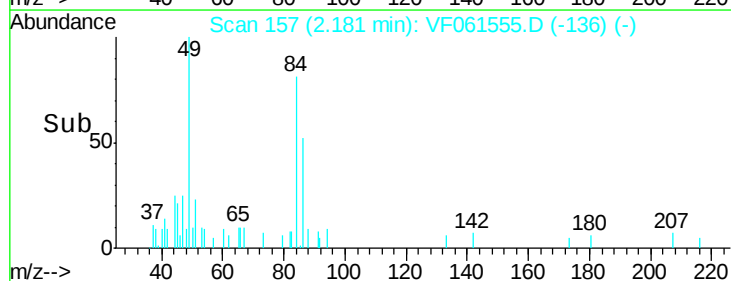
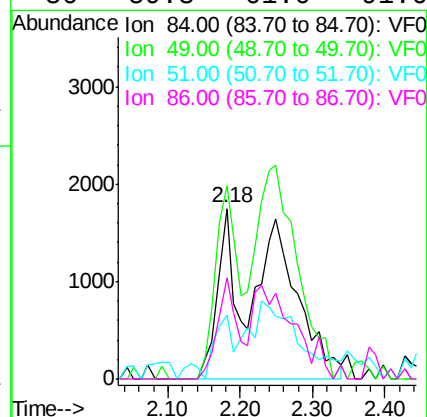
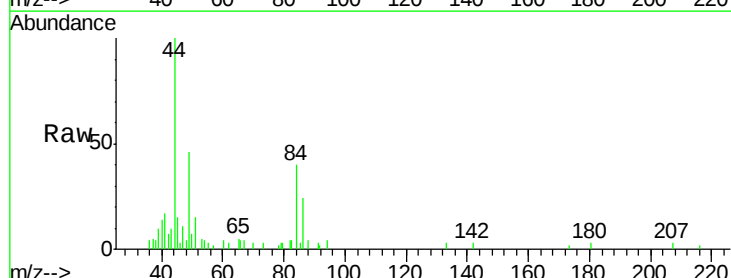
Ion Ratio Lower Upper

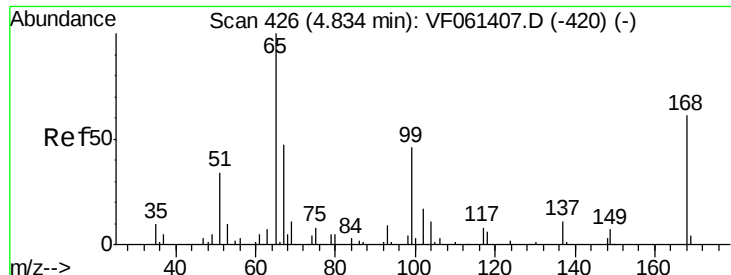
84 100

49 113.8 120.0 180.0#

51 37.8 38.6 58.0#

86 59.3 61.0 91.6#





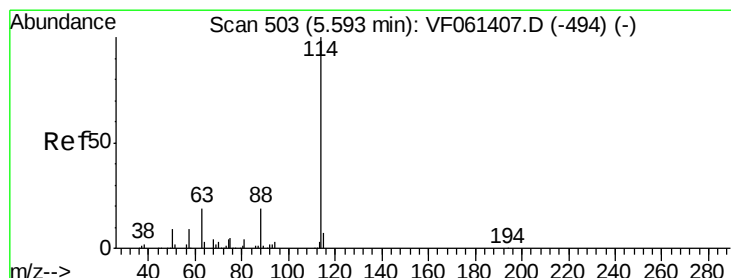
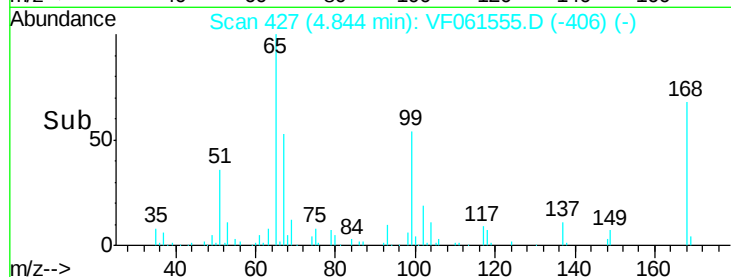
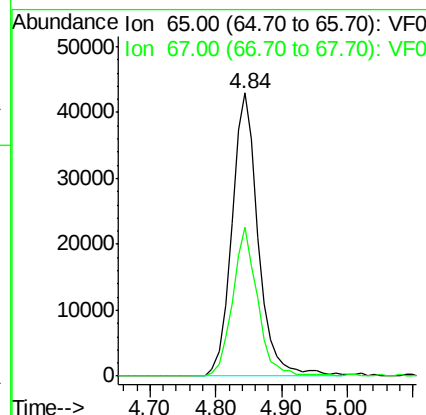
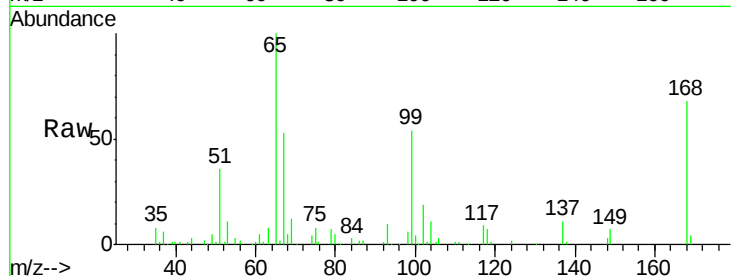
#33
 1,2-Dichloroethane-d4
 Concen: 49.240 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.01 min
 Lab File: VF061555.D
 Acq: 7 Feb 2019 20:06

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS2-3.5-4.0

Tot Ion	Ratio	Resp	Lower	Upper
65	100	120357		
67	52.5	0.0	99.8	

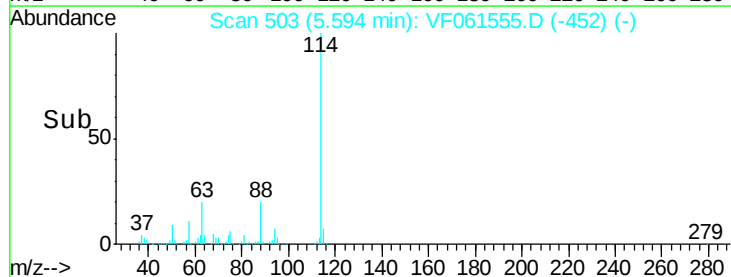
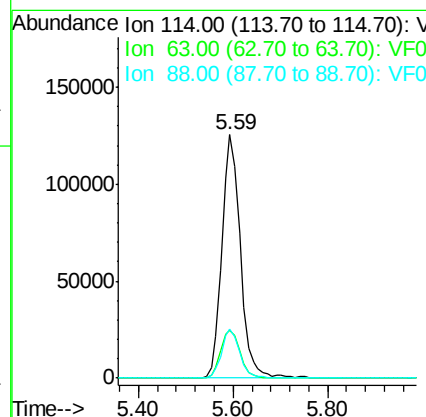
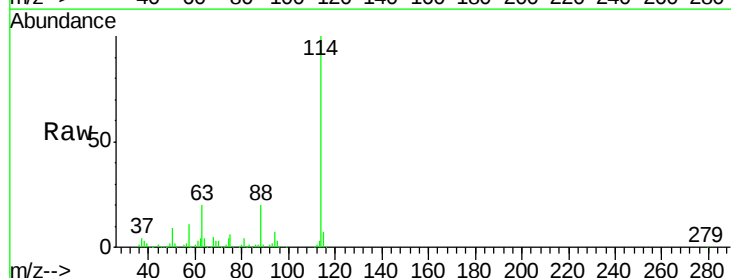
Manual Integrations
 APPROVED

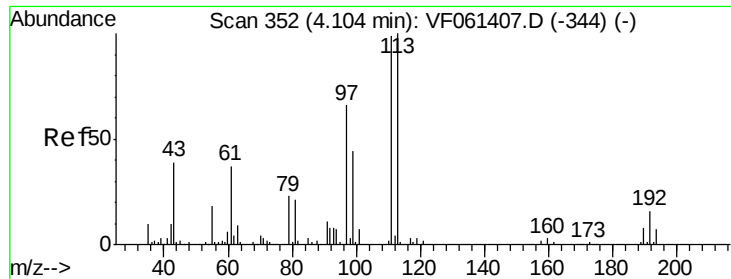
MMDadoda
 2/11/2019 12:36:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VF061555.D
 Acq: 7 Feb 2019 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	341035		
63	19.7	0.0	39.0	
88	20.1	0.0	37.4	





#35

Dibromofluoromethane

Concen: 51.194 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061555.D

Acq: 7 Feb 2019 20:06

Instrument :

MSVOA_F

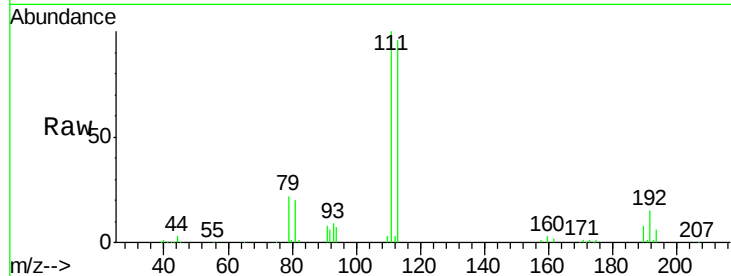
ClientSampleId :

A0C12-SS2-3.5-4.0

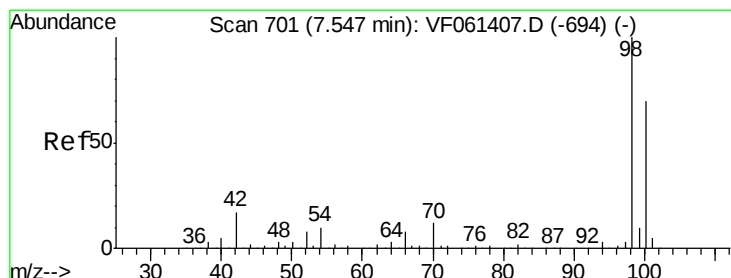
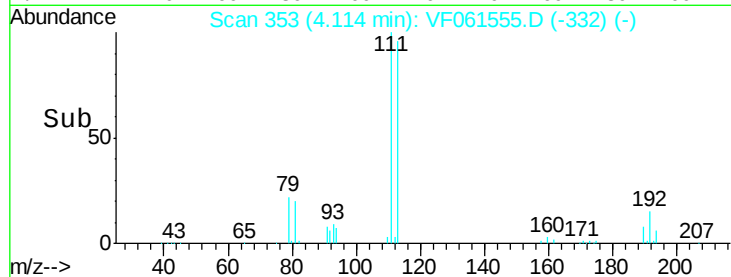
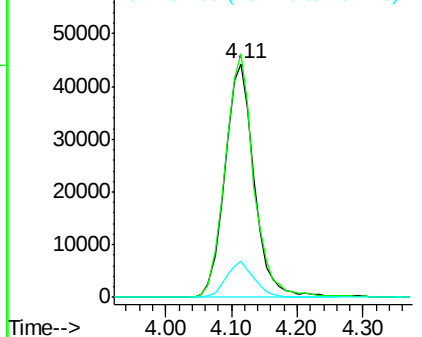
Tot Ion:	113	Resp:	137767
Ion Ratio	Lower	Upper	
113	100		
111	104.3	79.4	119.0
192	15.5	12.4	18.6

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:36:43 PM



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 43.622 ug/l

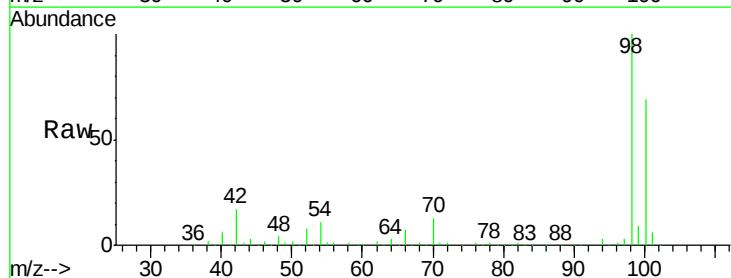
RT: 7.55 min Scan# 701

Delta R.T. 0.00 min

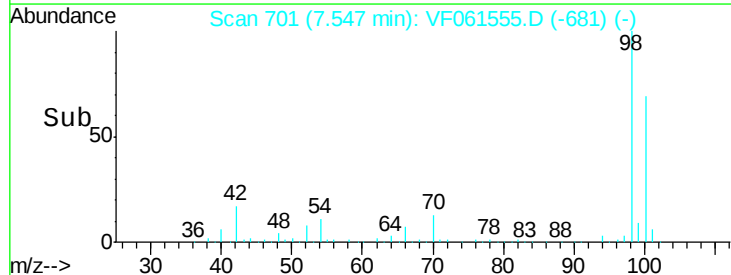
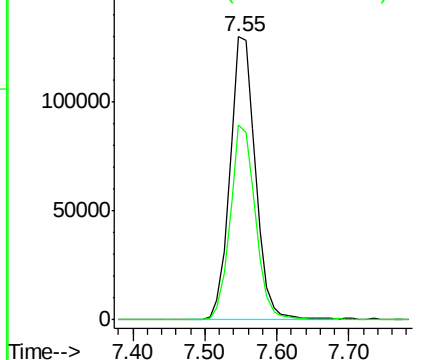
Lab File: VF061555.D

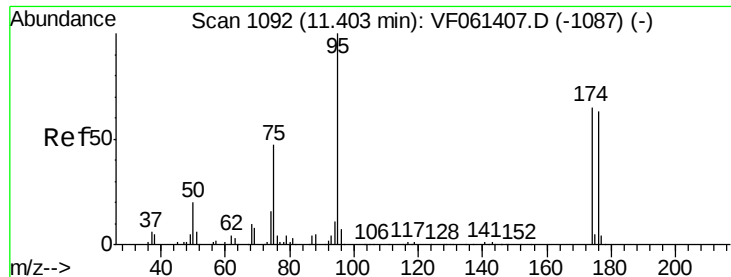
Acq: 7 Feb 2019 20:06

Tgt Ion:	98	Resp:	321625
Ion Ratio	Lower	Upper	
98	100		
100	68.9	55.6	83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 42.737 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF061555.D

Acq: 7 Feb 2019 20:06

Instrument :

MSVOA_F

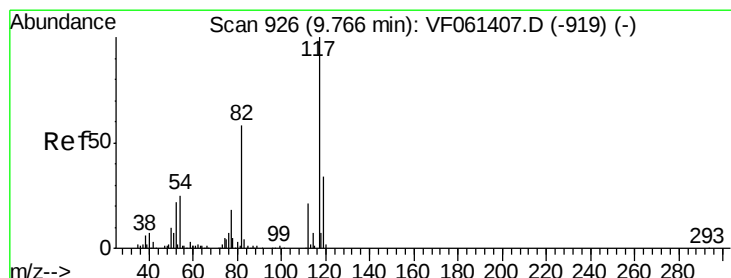
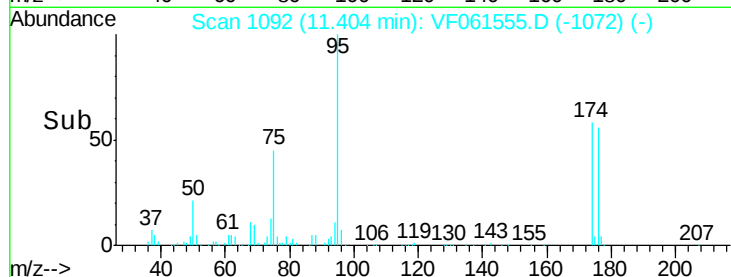
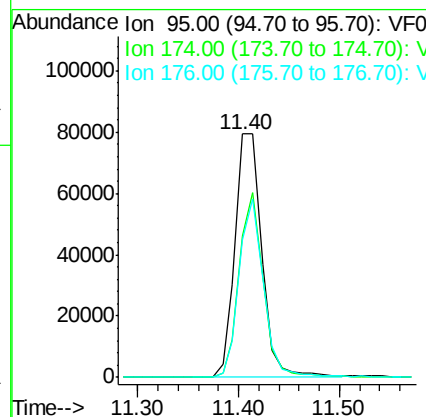
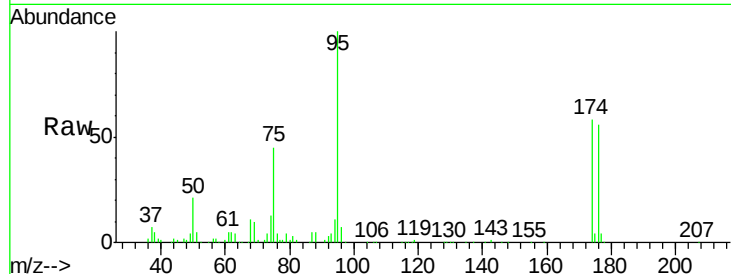
ClientSampleId :

A0C12-SS2-3.5-4.0

Tot Ion:	95	Resp:	147225
Ion Ratio	Lower	Upper	
95	100		
174	57.9	0.0	130.4
176	56.4	0.0	126.2

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:36:43 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

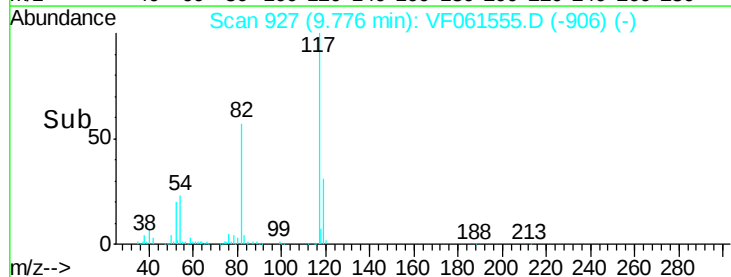
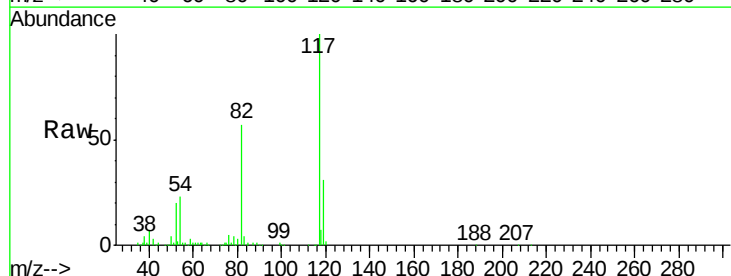
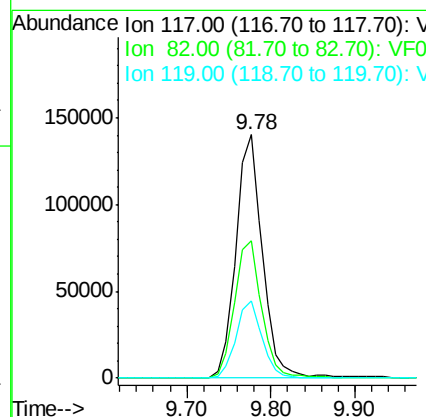
RT: 9.78 min Scan# 927

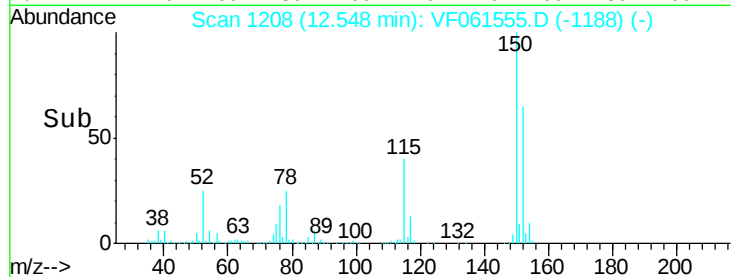
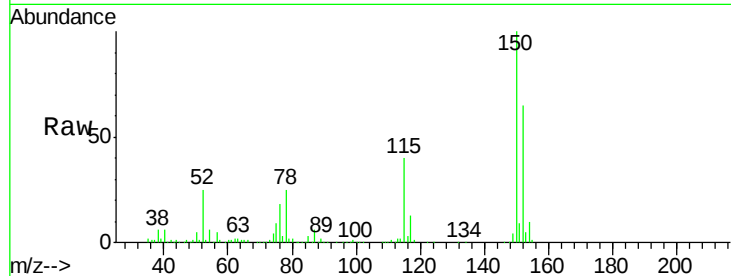
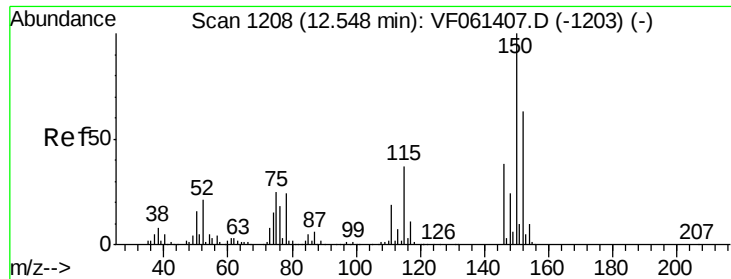
Delta R.T. 0.01 min

Lab File: VF061555.D

Acq: 7 Feb 2019 20:06

Tgt Ion:	117	Resp:	307203
Ion Ratio	Lower	Upper	
117	100		
82	56.6	46.4	69.6
119	31.5	27.2	40.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061555.D

Acq: 7 Feb 2019 20:06

Tot Ion	Ratio	Resp	Lower	Upper
152	100	148857		
115	60.7		30.0	90.0
150	153.4		0.0	321.4

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS2-3.5-4.0

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:36:43 PM

