

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062099.D
 Acq On : 23 Mar 2019 1:32
 Operator : VA/AP
 Sample : K2050-04
 Misc : 5.14g/5mL/MSVOA-F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-2

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:25 AM

Quant Time: Mar 23 06:55:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	209143	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.62	114	339804	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.80	117	226291	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.57	152	74208	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	85442	54.92	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	109.84%	
35) Dibromofluoromethane	4.14	113	122573	53.32	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	106.64%	
50) Toluene-d8	7.58	98	280839	40.93	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	81.86%	
62) 4-Bromofluorobenzene	11.43	95	84217	31.79	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	63.58%	
Target Compounds						
20) Methylene Chloride	2.26	84	14397m	4.383	ug/l	Qvalue

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

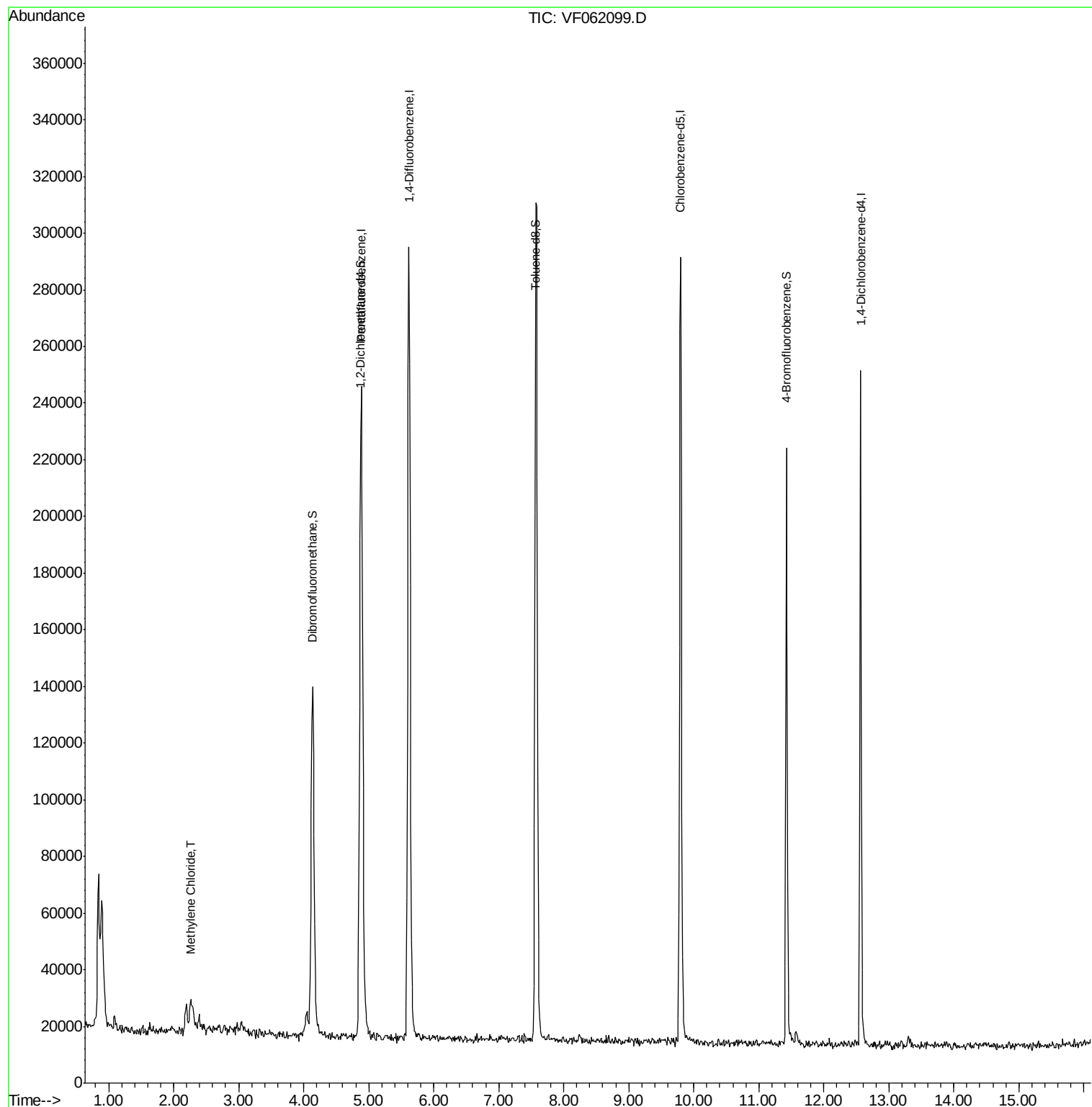
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032219\
Data File : VF062099.D
Acq On : 23 Mar 2019 1:32
Operator : VA/AP
Sample : K2050-04
Misc : 5.14g/5mL/MSVOA-F/SOIL
ALS Vial : 32 Sample Multiplier: 1

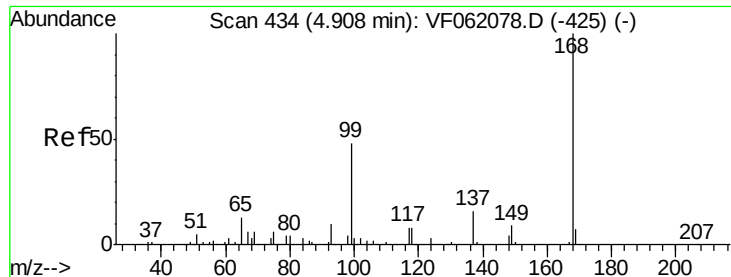
Instrument :
MSVOA_F
ClientSampleId :
CS-2

Manual Integrations
APPROVED

MMDadoda
3/27/2019 11:57:25 AM

Quant Time: Mar 23 06:55:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF062099.D

Acq: 23 Mar 2019 1:32

Instrument :

MSVOA_F

ClientSampled :

CS-2

Tot Ion:168 Resp: 209143

Ion Ratio Lower Upper

168 100

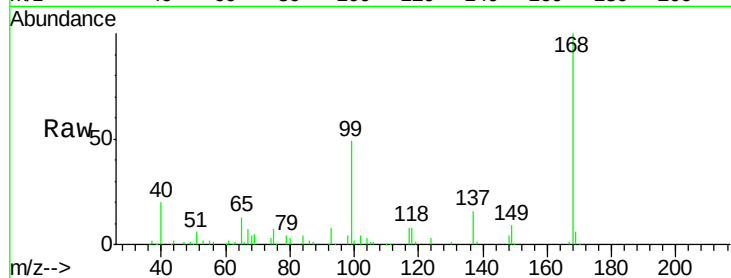
99 49.3 38.2 57.4

Manual Integrations

APPROVED

MMDadoda

3/27/2019 11:57:25 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

60000

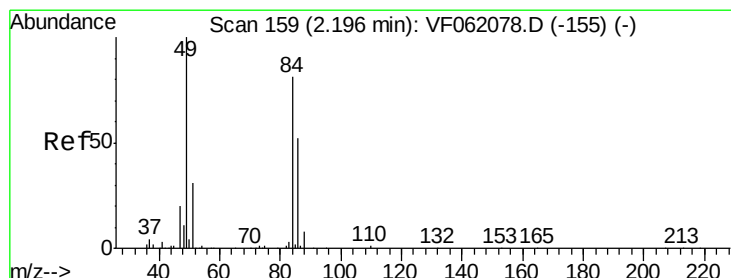
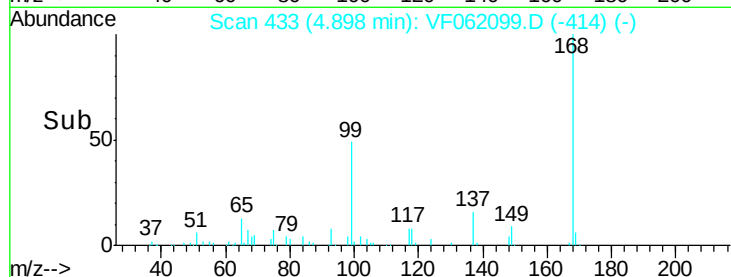
40000

20000

0

Time-->

4.80 4.90 5.00 5.10



#20

Methylene Chloride

Concen: 4.383 ug/l m

RT: 2.26 min Scan# 166

Delta R.T. 0.07 min

Lab File: VF062099.D

Acq: 23 Mar 2019 1:32

Tgt Ion: 84 Resp: 14397

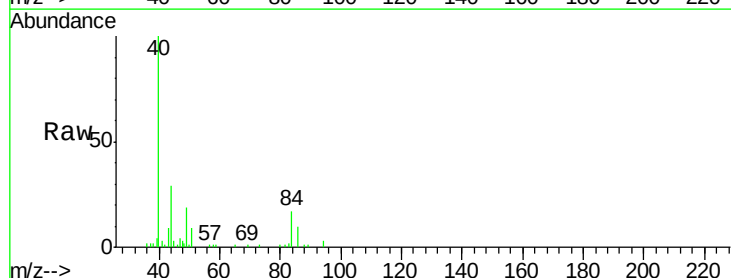
Ion Ratio Lower Upper

84 100

49 109.5 100.4 150.6

51 52.8 31.0 46.6#

86 57.9 51.3 76.9



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

4000

3000

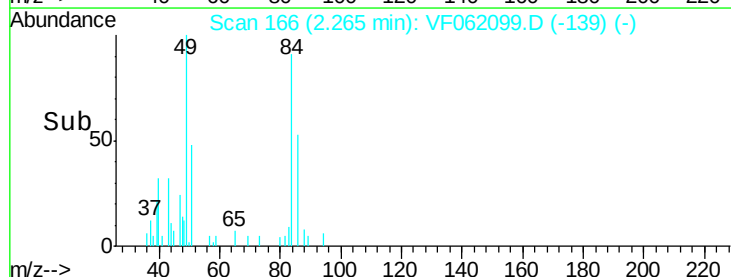
2000

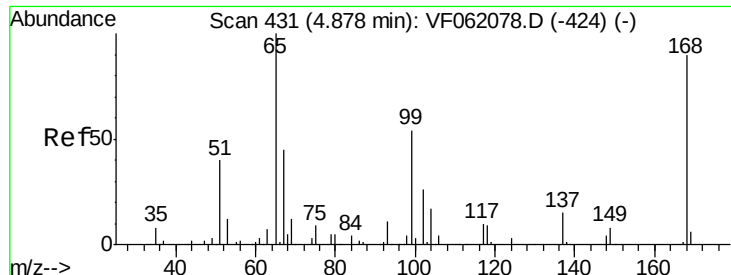
1000

0

Time-->

2.10 2.20 2.30 2.40





#33

1,2-Dichloroethane-d4

Concen: 54.925 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF062099.D

Acq: 23 Mar 2019 1:32

Instrument :

MSVOA_F

ClientSampled :

CS-2

Tot Ion: 65 Resp: 85442

Ion Ratio Lower Upper

65 100

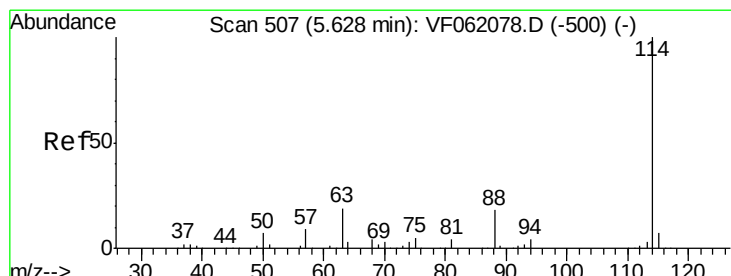
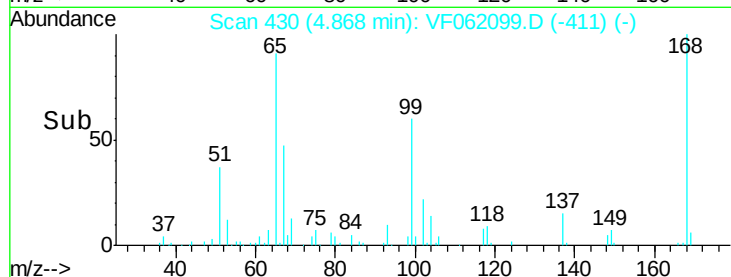
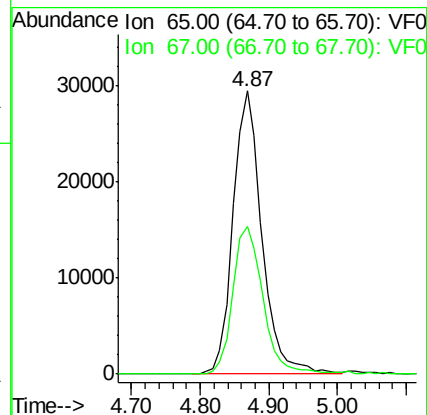
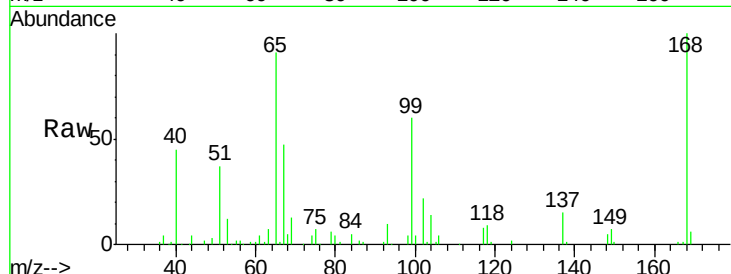
67 52.2 0.0 106.2

Manual Integrations

APPROVED

MMDadoda

3/27/2019 11:57:25 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.01 min

Lab File: VF062099.D

Acq: 23 Mar 2019 1:32

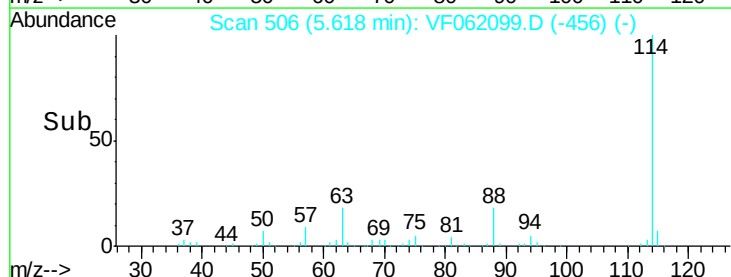
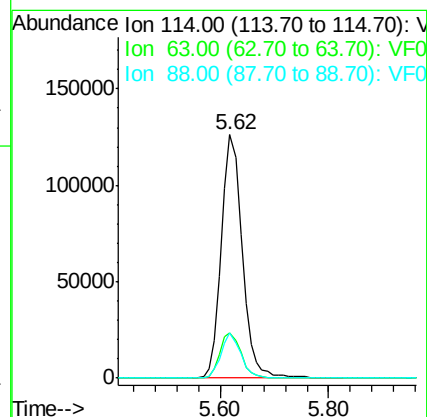
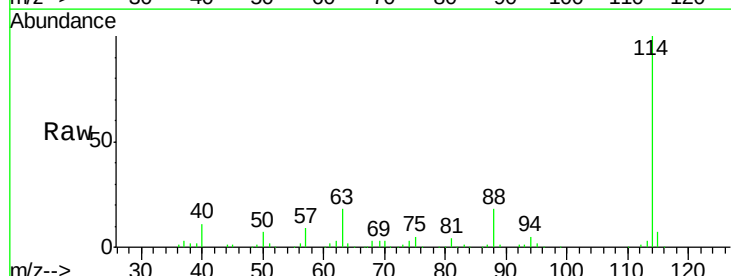
Tgt Ion: 114 Resp: 339804

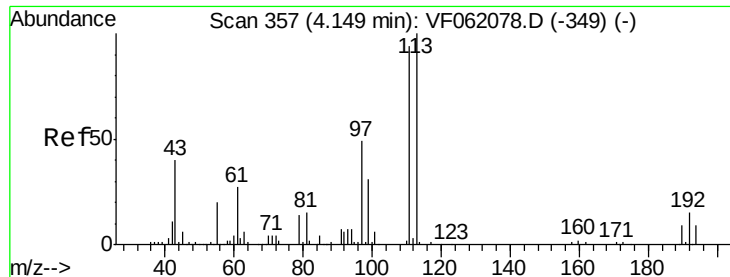
Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.8

88 18.5 0.0 36.4





#35

Dibromofluoromethane

Concen: 53.324 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF062099.D

Acq: 23 Mar 2019 1:32

Instrument :

MSVOA_F

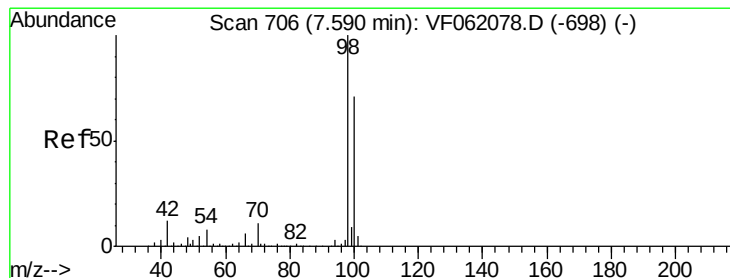
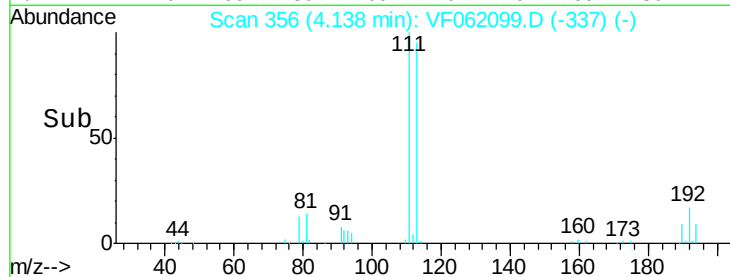
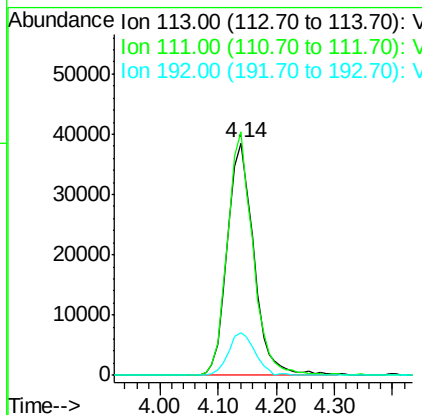
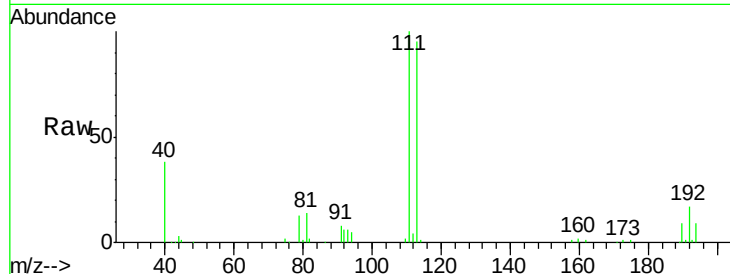
ClientSampled :

CS-2

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	75.4	113.0
192	18.9	12.3	18.5

Manual Integrations
APPROVED

MMDadoda
3/27/2019 11:57:25 AM



#50

Toluene-d8

Concen: 40.930 ug/l

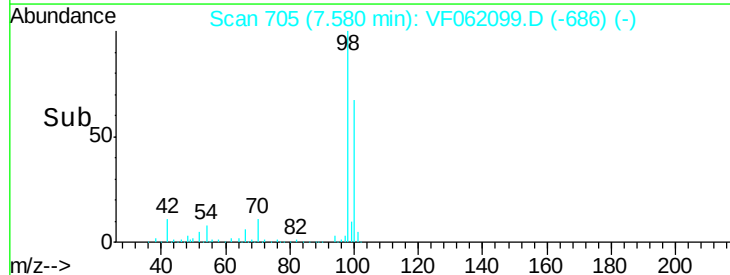
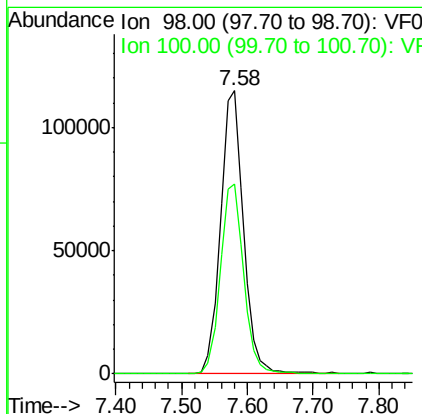
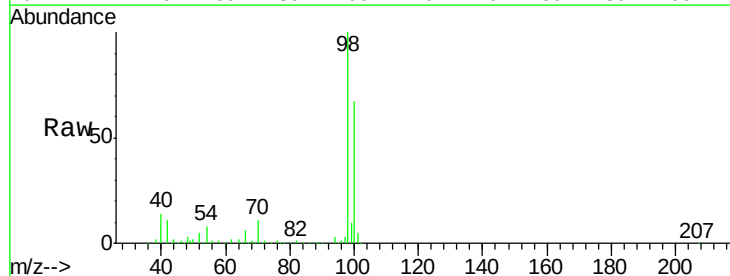
RT: 7.58 min Scan# 705

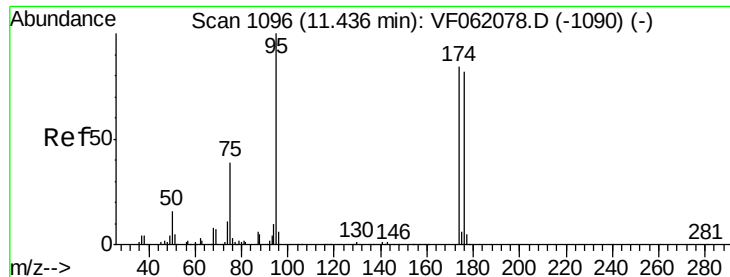
Delta R.T. -0.01 min

Lab File: VF062099.D

Acq: 23 Mar 2019 1:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	57.0	85.6





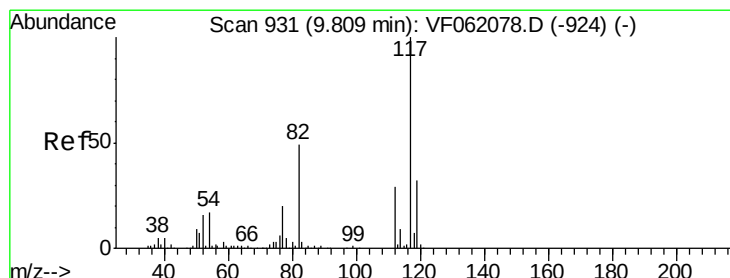
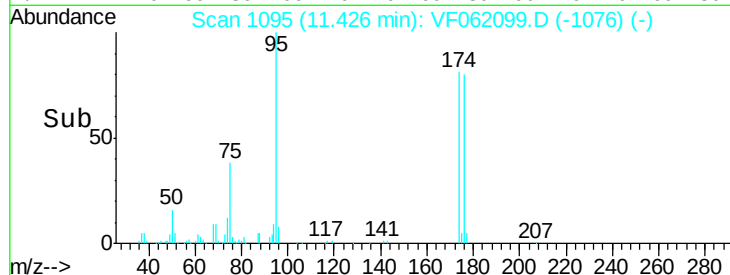
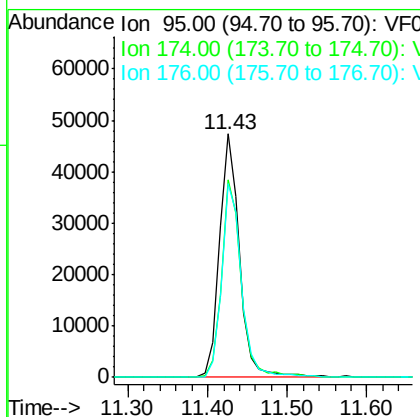
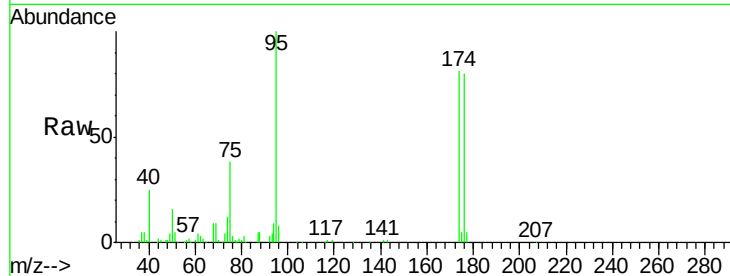
#62
4-Bromofluorobenzene
Concen: 31.793 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VF062099.D
Acq: 23 Mar 2019 1:32

Instrument :
MSVOA_F
ClientSampled :
CS-2

Tot Ion	Ratio	Resp	Lower	Upper
95	100	84217		
174	81.2	0.0	168.2	
176	79.6	0.0	164.2	

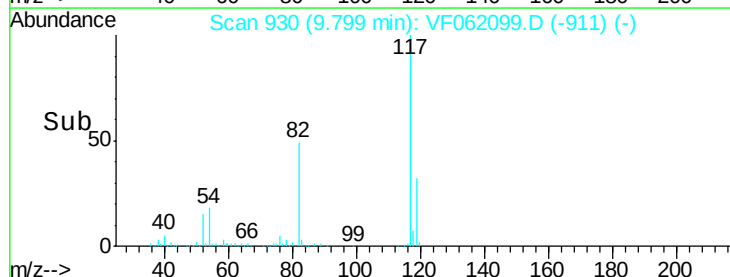
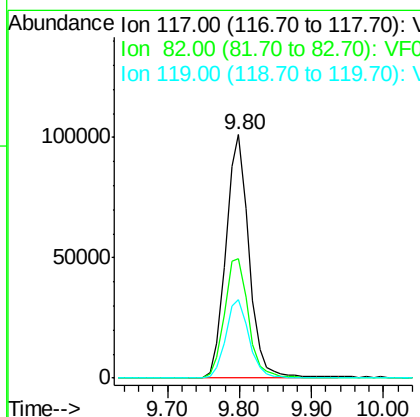
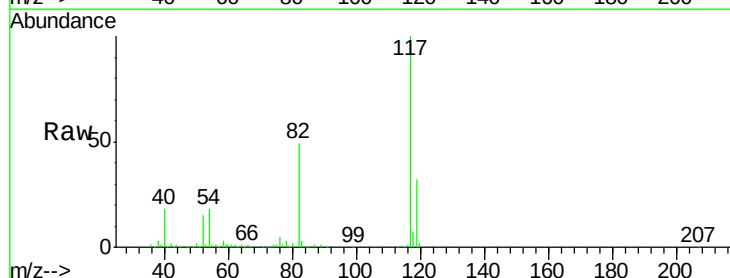
Manual Integrations
APPROVED

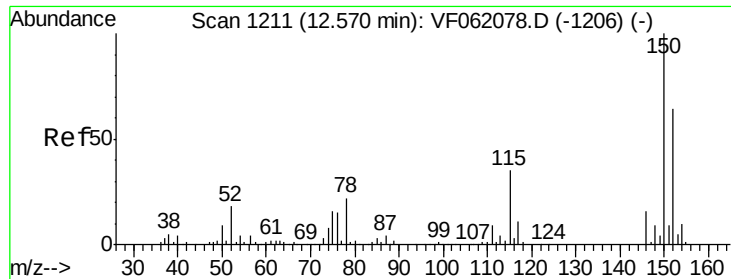
MMDadoda
3/27/2019 11:57:25 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF062099.D
Acq: 23 Mar 2019 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	226291		
82	49.0	39.2	58.8	
119	32.2	25.4	38.2	





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF062099.D
 Acq: 23 Mar 2019 1:32

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-2

Tot Ion	Ratio	Lower	Upper
152	100		
115	50.9	27.7	83.1
150	153.6	0.0	313.2

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:25 AM

