

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\
 Data File : VF061476.D
 Acq On : 21 Jan 2019 16:26
 Operator : VA/AP
 Sample : K1210-01RE
 Misc : 5.05g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-1495RE

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 2:50:36 PM

Quant Time: Jan 22 07:03:55 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	4.87	168	140948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	252953	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	204591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	82589	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	88081	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
35) Dibromofluoromethane	4.11	113	104726	52.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.94%	
50) Toluene-d8	7.55	98	225519	41.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.48%	
62) 4-Bromofluorobenzene	11.41	95	96339	37.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.40%	
Target Compounds						
20) Methylene Chloride	2.18	84	20291m	15.925	ug/l	
95) Naphthalene	14.46	128	5187	1.469	ug/l	96

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

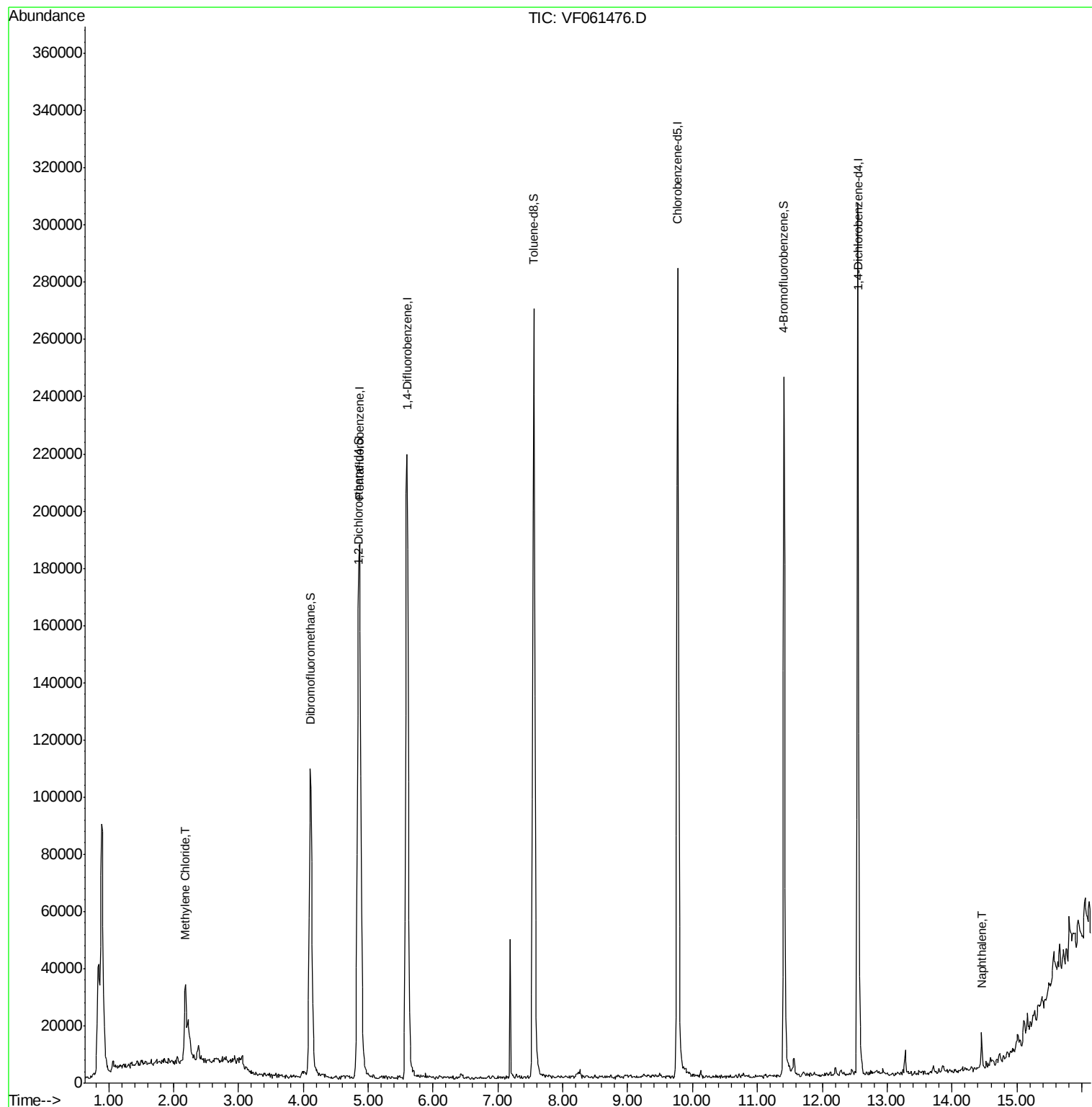
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012119\
Data File : VF061476.D
Acq On : 21 Jan 2019 16:26
Operator : VA/AP
Sample : K1210-01RE
Misc : 5.05g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

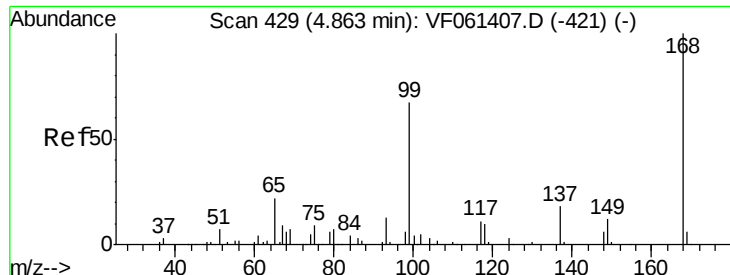
Instrument :
MSVOA_F
ClientSampleId :
RT-1495RE

Manual Integrations
APPROVED

MMDadoda
1/22/2019 2:50:36 PM

Quant Time: Jan 22 07:03:55 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: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061476.D

Acq: 21 Jan 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

RT-1495RE

Tot Ion:168 Resp: 140948

Ion Ratio Lower Upper

168 100

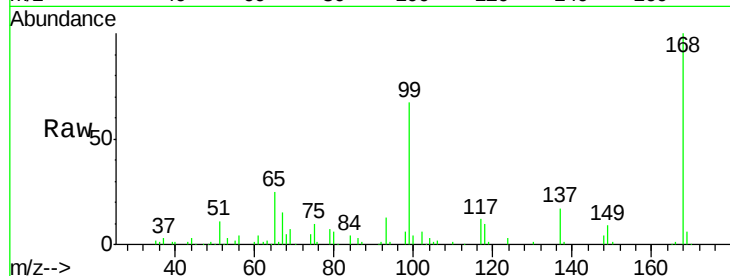
99 67.0 53.5 80.3

Manual Integrations

APPROVED

MMDadoda

1/22/2019 2:50:36 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

50000

40000

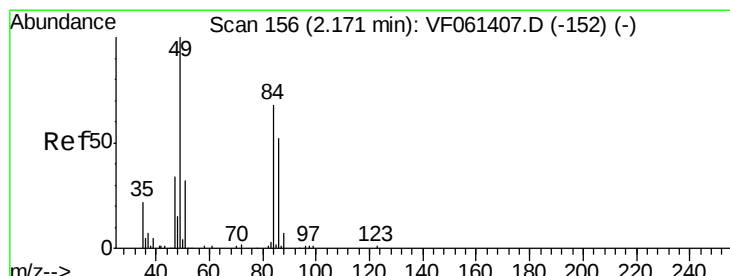
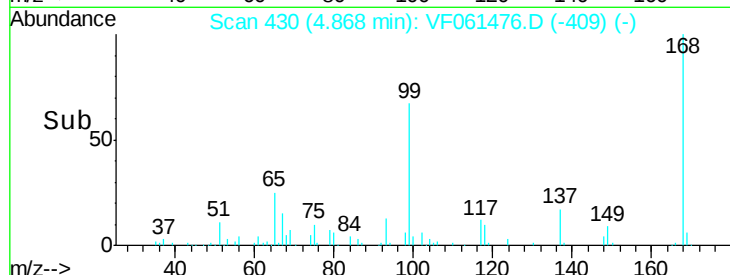
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#20

Methylene Chloride

Concen: 15.925 ug/l m

RT: 2.18 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF061476.D

Acq: 21 Jan 2019 16:26

Tgt Ion: 84 Resp: 20291

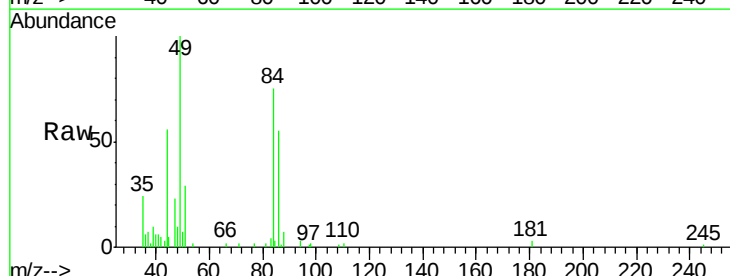
Ion Ratio Lower Upper

84 100

49 133.3 120.0 180.0

51 38.8 38.6 58.0

86 73.2 61.0 91.6



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

12000

10000

8000

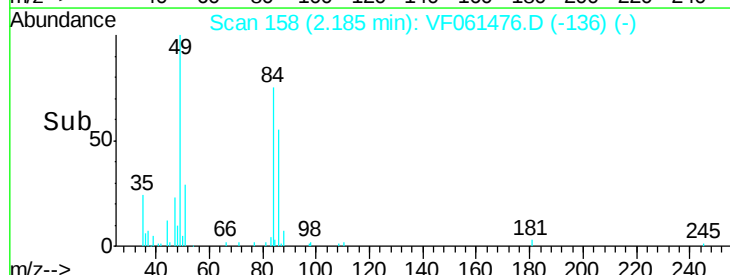
6000

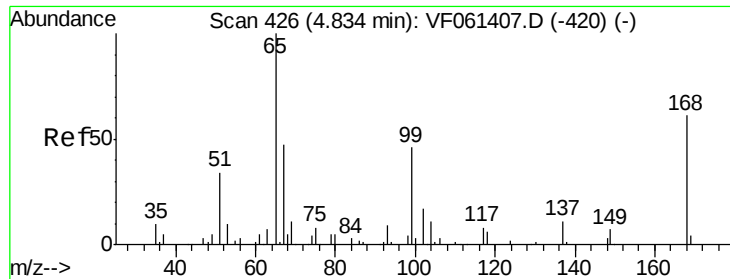
4000

2000

0

Time--> 2.10 2.20 2.30





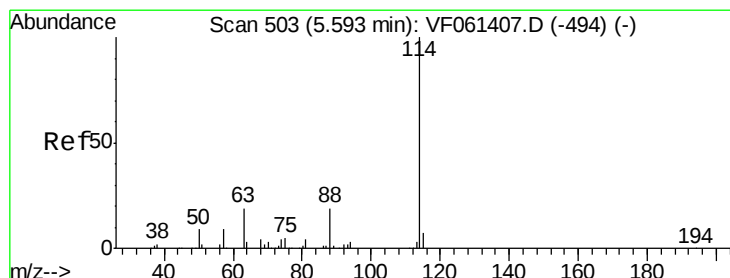
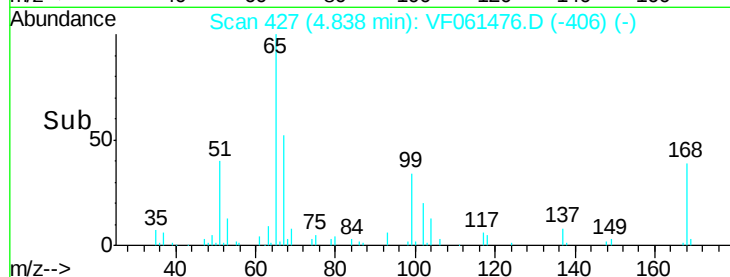
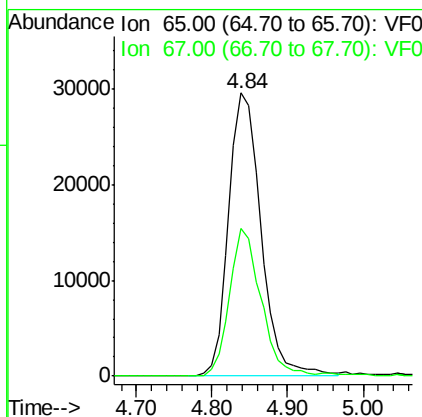
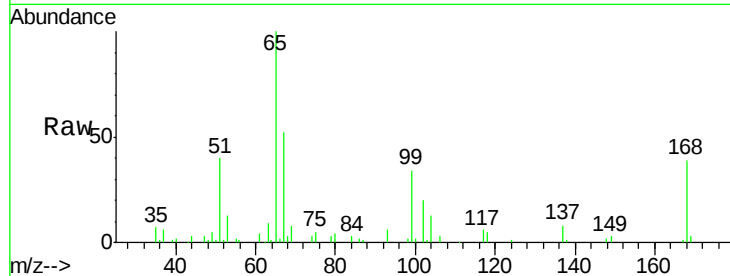
#33
 1,2-Dichloroethane-d4
 Concen: 50.616 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: VF061476.D
 Acq: 21 Jan 2019 16:26

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-1495RE

Tot Ion	Ratio	Resp	Lower	Upper
65	100	88081		
67	52.1	0.0	99.8	

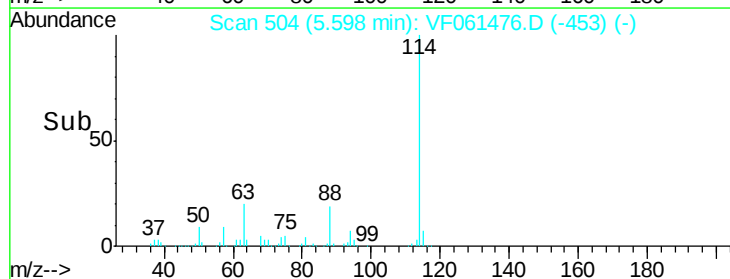
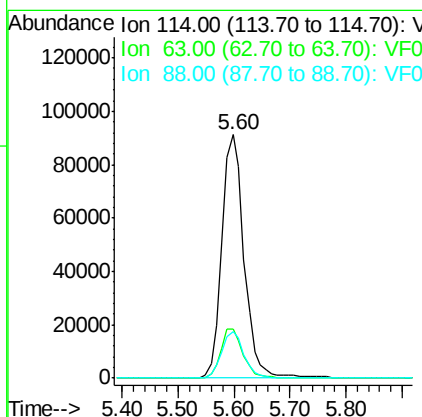
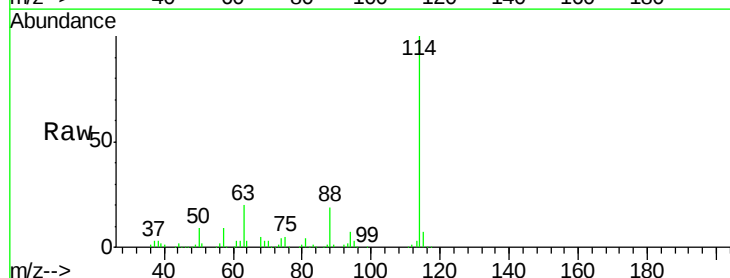
Manual Integrations
 APPROVED

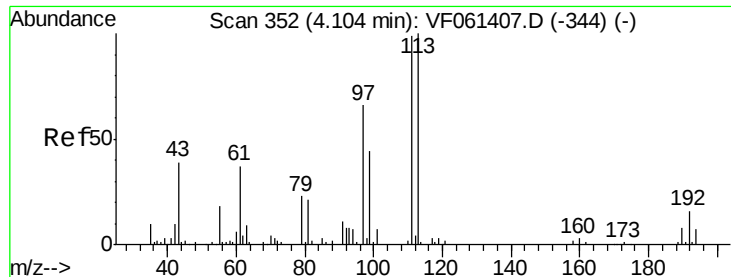
MMDadoda
 1/22/2019 2:50:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VF061476.D
 Acq: 21 Jan 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	252953		
63	20.2	0.0	39.0	
88	19.4	0.0	37.4	





#35

Dibromofluoromethane

Concen: 52.467 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061476.D

Acq: 21 Jan 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

RT-1495RE

Tot Ion:113 Resp: 104726

Ion Ratio Lower Upper

113 100

111 102.2 79.4 119.0

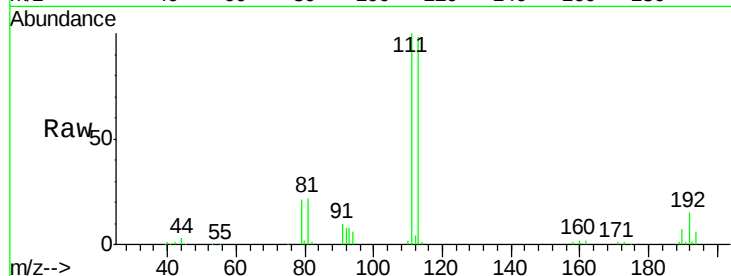
192 15.3 12.4 18.6

Manual Integrations

APPROVED

MMDadoda

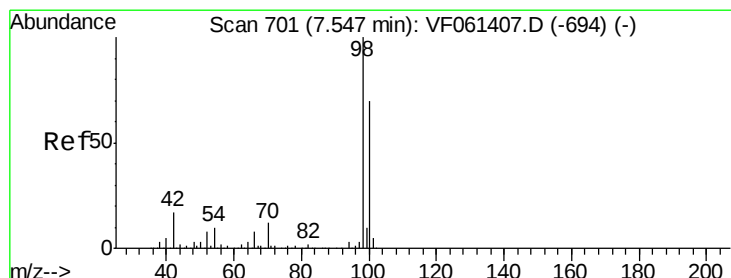
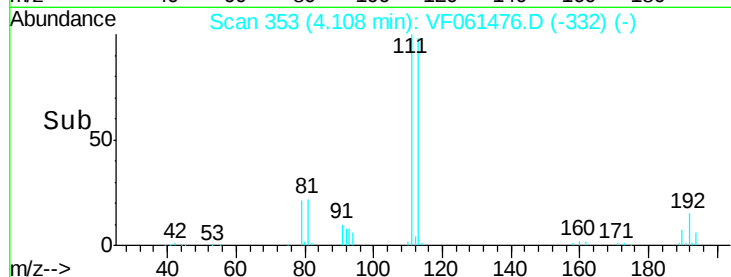
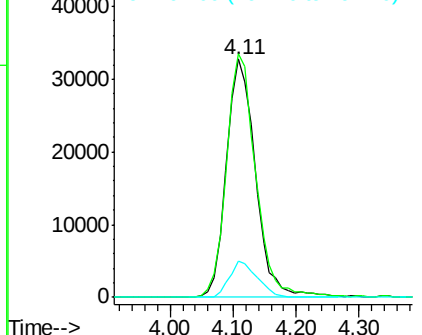
1/22/2019 2:50:36 PM



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: 41.238 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061476.D

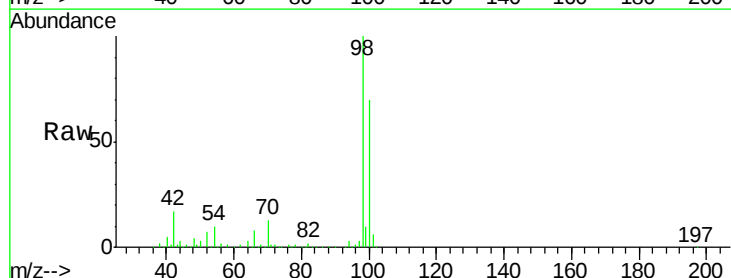
Acq: 21 Jan 2019 16:26

Tgt Ion: 98 Resp: 225519

Ion Ratio Lower Upper

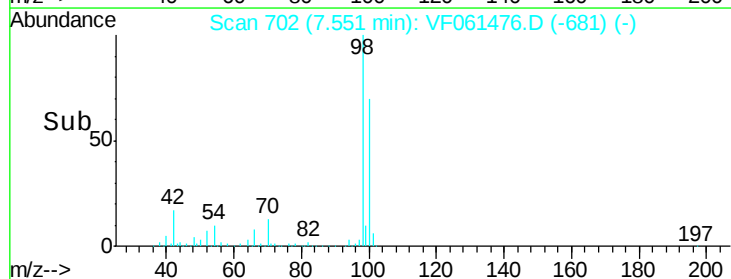
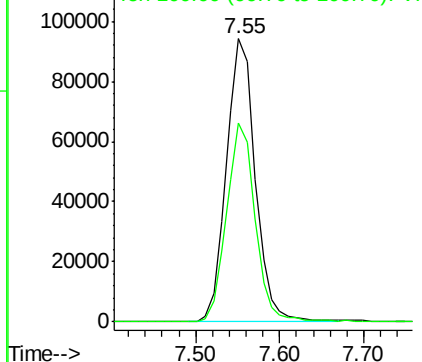
98 100

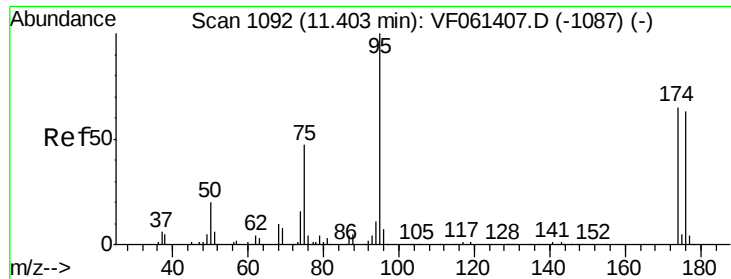
100 70.4 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





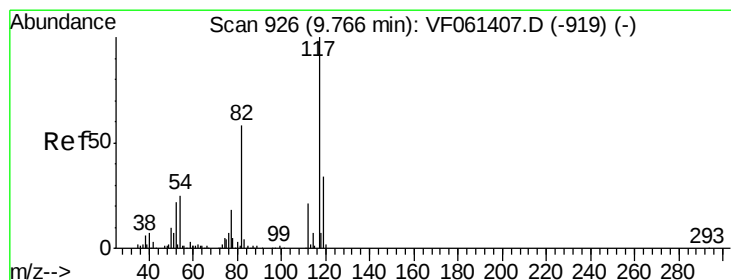
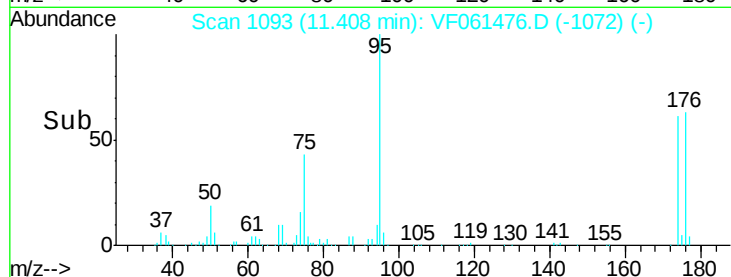
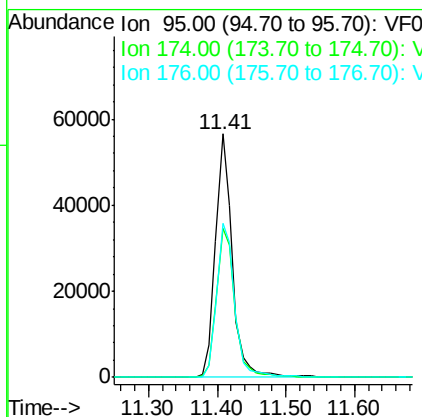
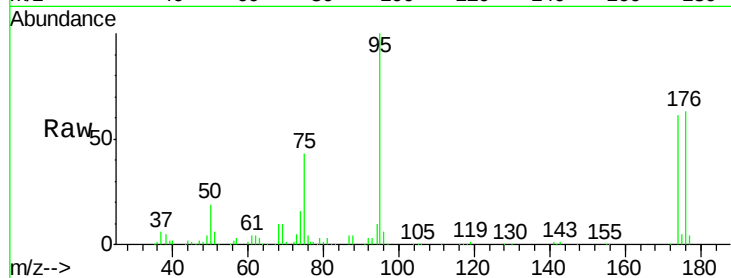
#62
4-Bromofluorobenzene
Concen: 37.704 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VF061476.D
Acq: 21 Jan 2019 16:26

Instrument :
MSVOA_F
ClientSampleId :
RT-1495RE

Tot Ion	Ratio	Resp	Lower	Upper
95	100	96339		
174	61.0	0.0	130.4	
176	63.2	0.0	126.2	

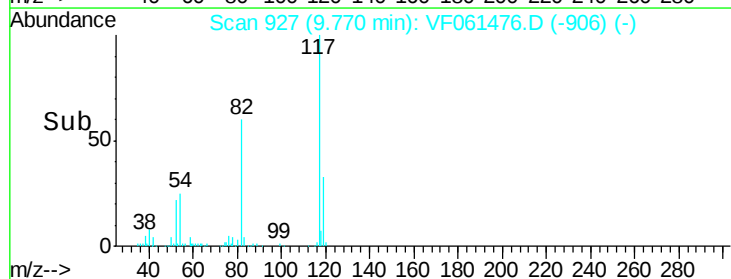
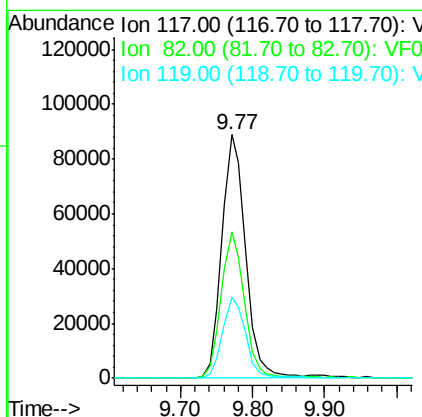
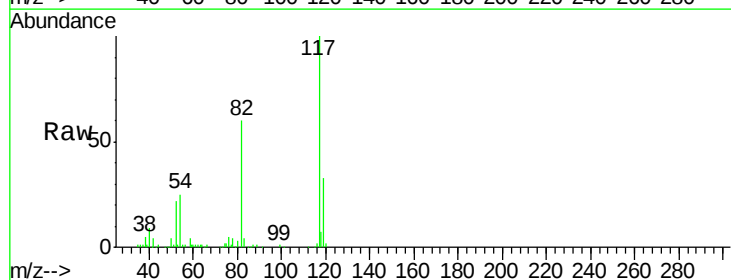
Manual Integrations
APPROVED

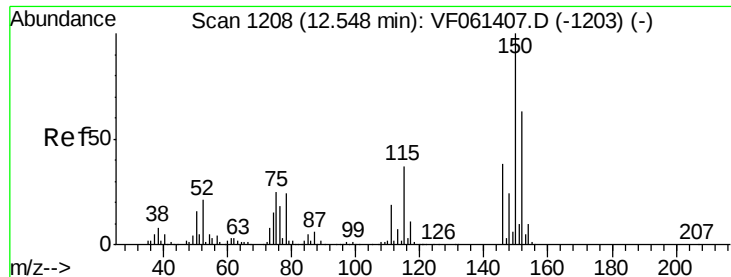
MMDadoda
1/22/2019 2:50:36 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061476.D
Acq: 21 Jan 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	204591		
82	60.0	46.4	69.6	
119	33.2	27.2	40.8	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061476.D

Acq: 21 Jan 2019 16:26

Instrument :

MSVOA_F

ClientSampled :

RT-1495RE

Tot Ion:152 Resp: 82589

Ion Ratio Lower Upper

152 100

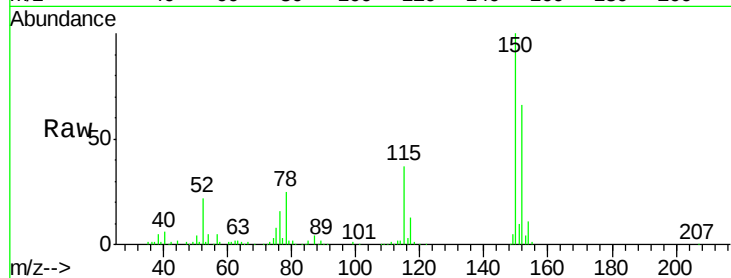
115 56.5 30.0 90.0

150 151.4 0.0 321.4

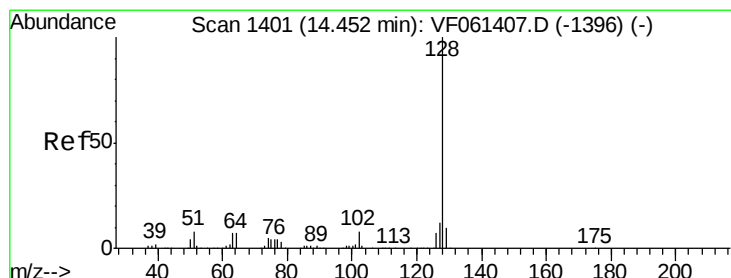
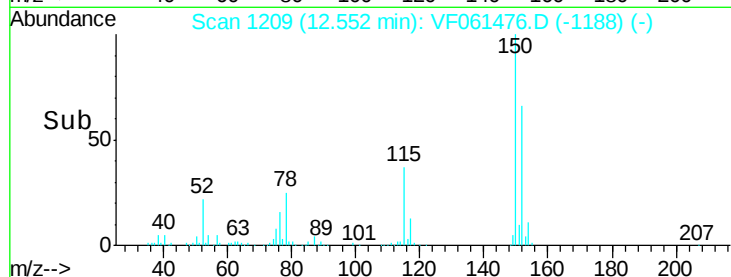
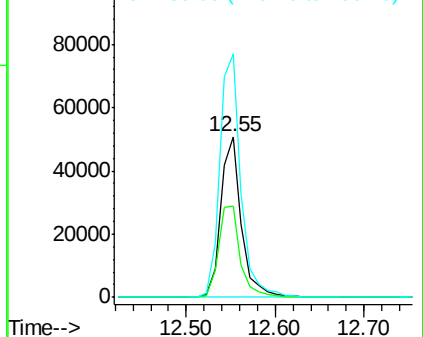
Manual Integrations
APPROVED

MMDadoda

1/22/2019 2:50:36 PM



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene

Concen: 1.469 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VF061476.D

Acq: 21 Jan 2019 16:26

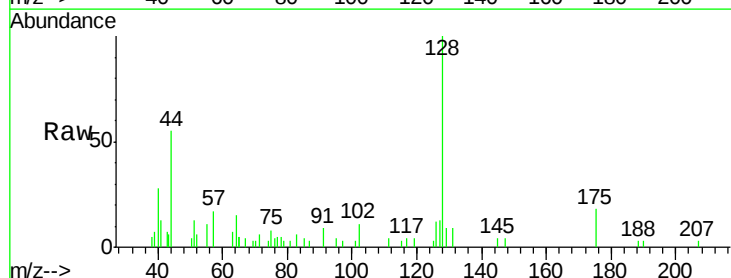
Tgt Ion:128 Resp: 5187

Ion Ratio Lower Upper

128 100

127 12.8 9.5 14.3

129 8.7 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

