

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060237.D
 Acq On : 10 Sep 2018 16:20
 Operator : VA/AP
 Sample : J4803-13
 Misc : 5.09/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-I5

Manual Integrations
 APPROVED

apatel
 9/11/2018 11:07:56 AM

Quant Time: Sep 11 10:15:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	182836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	241071	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	248045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	141302	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	111276	34.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.68%	
35) Dibromofluoromethane	4.30	113	95580	40.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.94%	
50) Toluene-d8	7.71	98	220147	37.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.70%	
62) 4-Bromofluorobenzene	11.51	95	122814	36.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.86%	
Target Compounds						
80) 1,3,5-Trimethylbenzene	11.92	105	54155	6.29	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	104618	11.97	ug/l	96
86) p-Isopropyltoluene	12.54	119	12295m	1.28	ug/l	
95) Naphthalene	14.52	128	17313	5.68	ug/l #	93

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

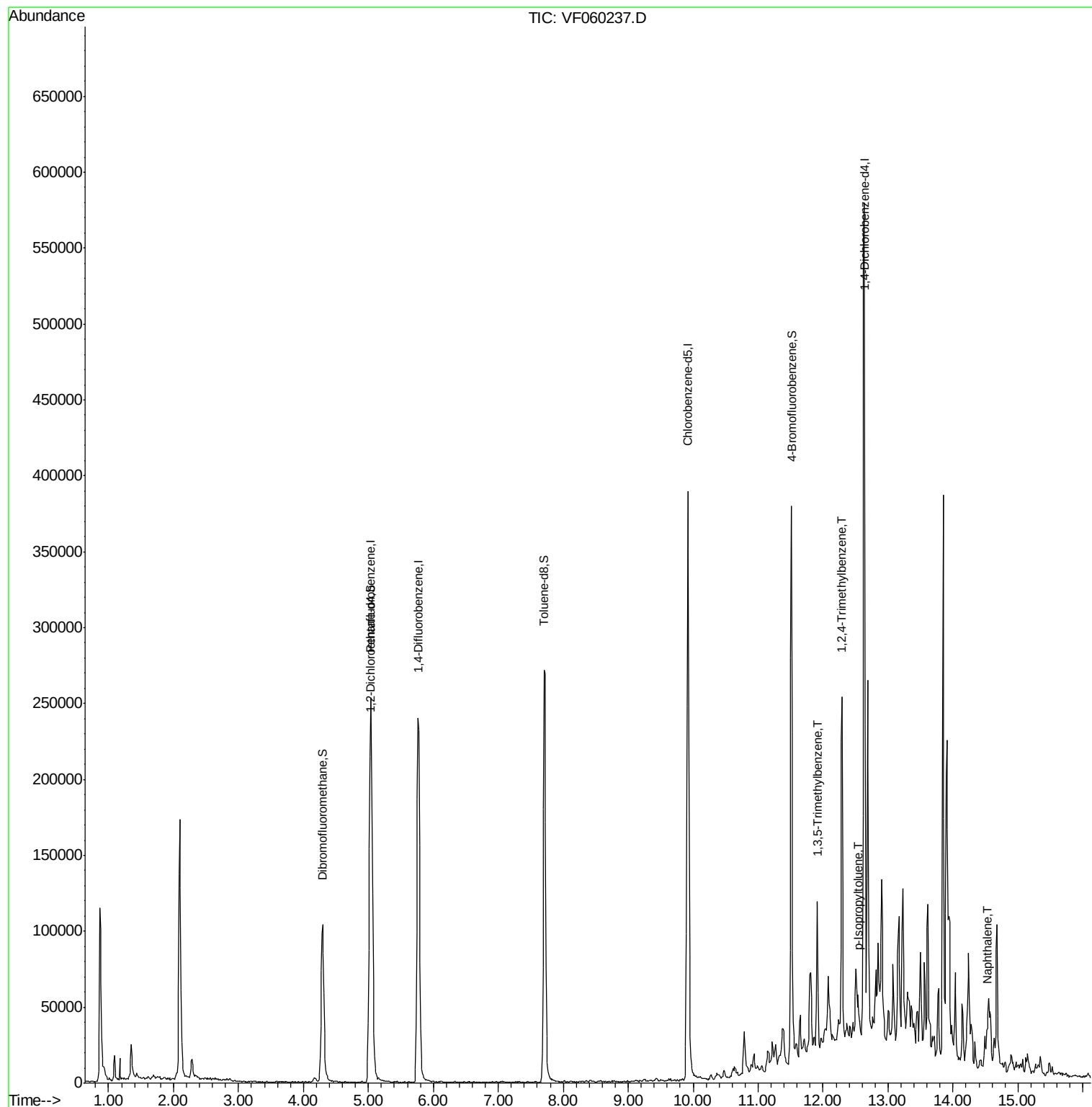
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060237.D
Acq On : 10 Sep 2018 16:20
Operator : VA/AP
Sample : J4803-13
Misc : 5.09/5mL/MSVOA F/SOIL
ALS Vial : 13 Sample Multiplier: 1

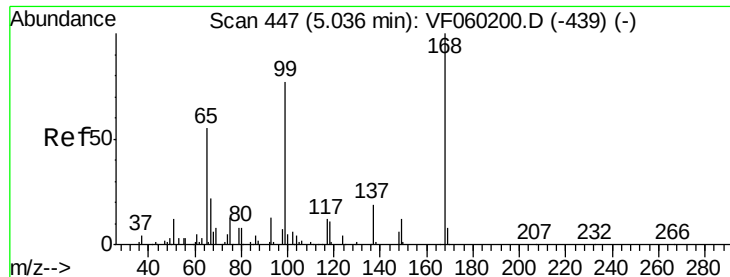
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-I5

Quant Time: Sep 11 10:15:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration

Manual Integrations
APPROVED

apatel
9/11/2018 11:07:56 AM





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF060237.D

Acq: 10 Sep 2018 16:20

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-I5

Tot Ion:168 Resp: 182836

Ion Ratio Lower Upper

168 100

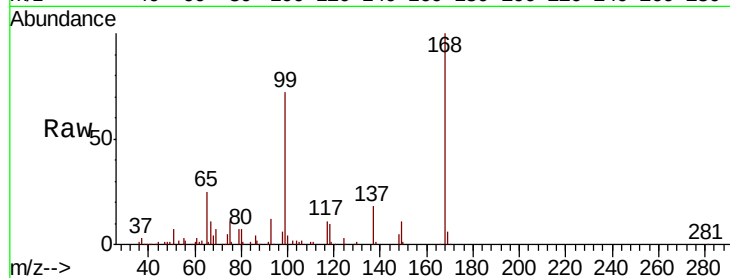
99 72.0 61.8 92.6

Manual Integrations

APPROVED

apatel

9/11/2018 11:07:56 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

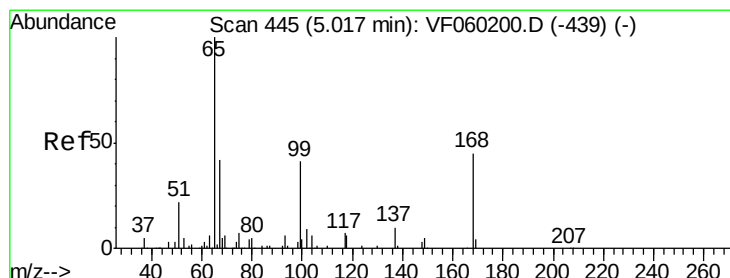
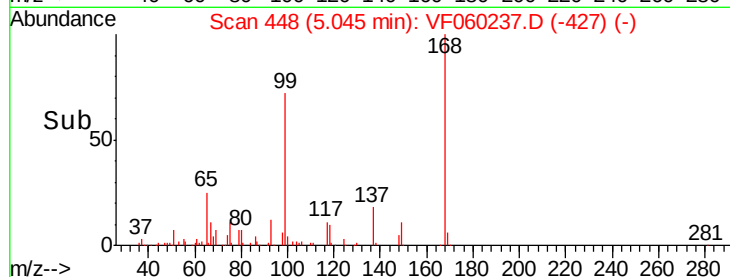
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 34.84 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.00 min

Lab File: VF060237.D

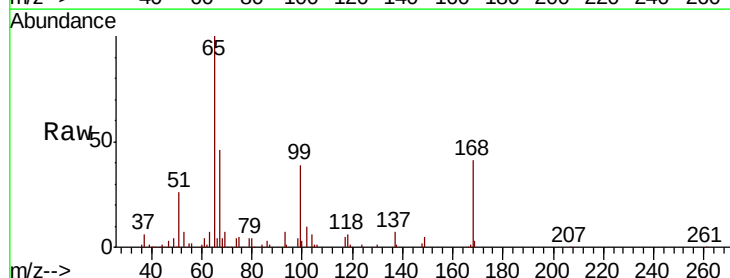
Acq: 10 Sep 2018 16:20

Tgt Ion: 65 Resp: 111276

Ion Ratio Lower Upper

65 100

67 45.7 0.0 87.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.02

40000

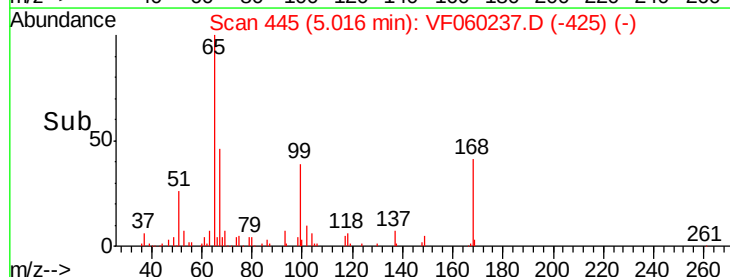
30000

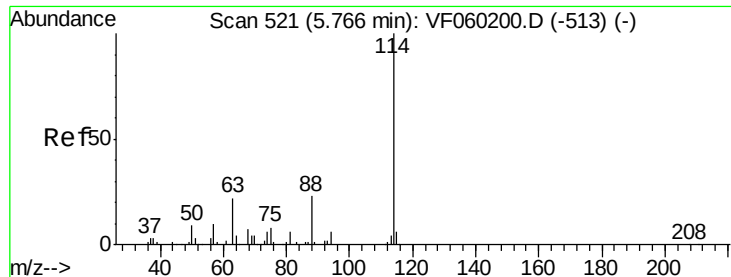
20000

10000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 521

Delta R.T. -0.00 min

Lab File: VF060237.D

Acq: 10 Sep 2018 16:20

Instrument :

MSVOA_F

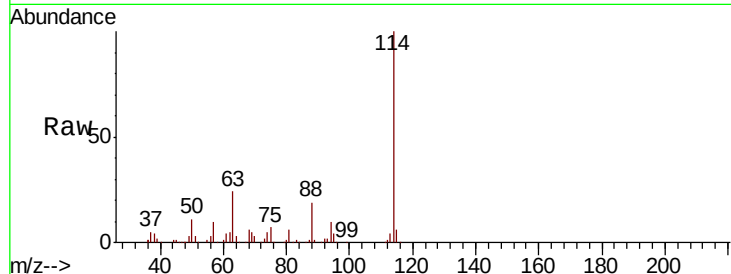
ClientSampleId :

EP1-Q2-I5

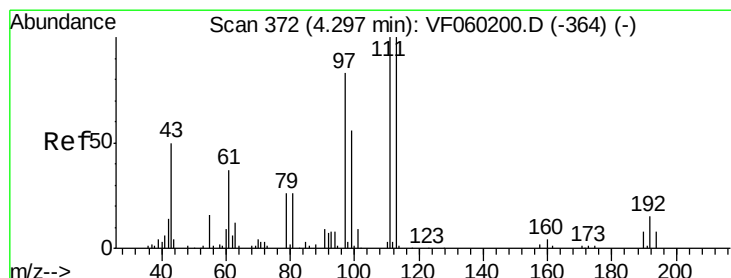
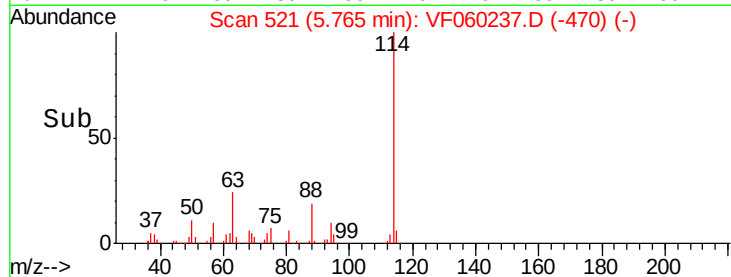
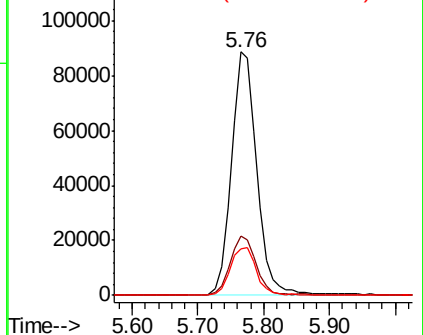
Tot Ion:	114	Resp:	241071
Ion Ratio	Lower	Upper	
114	100		
63	24.2	0.0	45.6
88	19.0	0.0	46.4

Manual Integrations
APPROVED

apatel
9/11/2018 11:07:56 AM



Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 40.47 ug/l

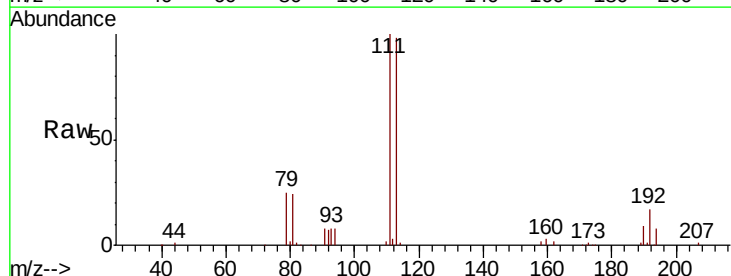
RT: 4.30 min Scan# 372

Delta R.T. -0.00 min

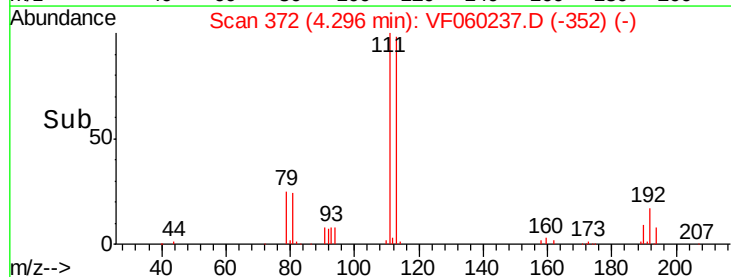
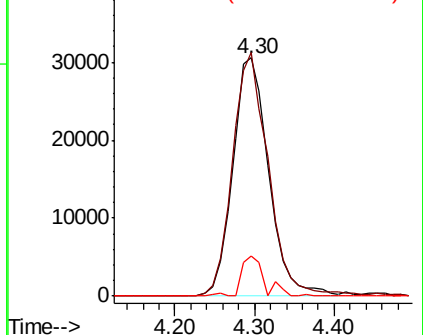
Lab File: VF060237.D

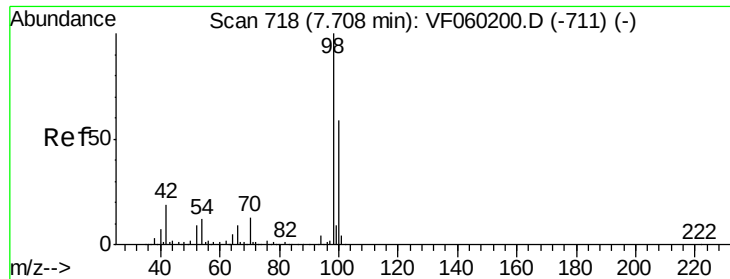
Acq: 10 Sep 2018 16:20

Tgt Ion:	113	Resp:	95580
Ion Ratio	Lower	Upper	
113	100		
111	102.1	80.2	120.2
192	17.0	11.8	17.8



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





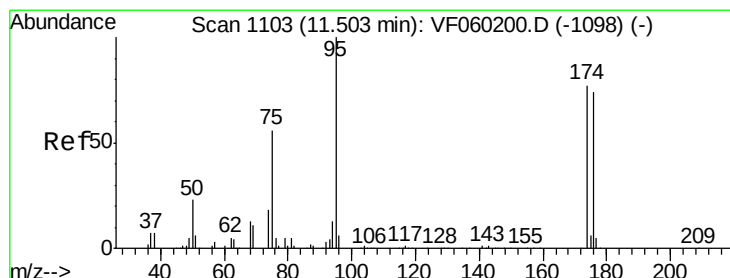
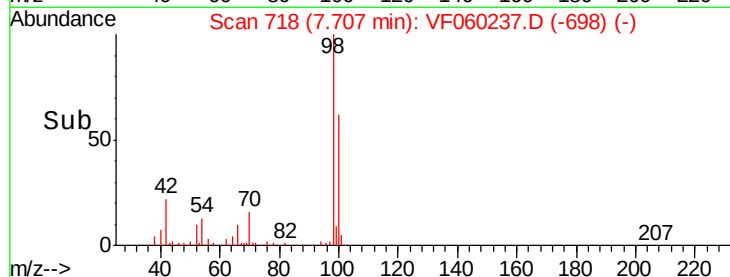
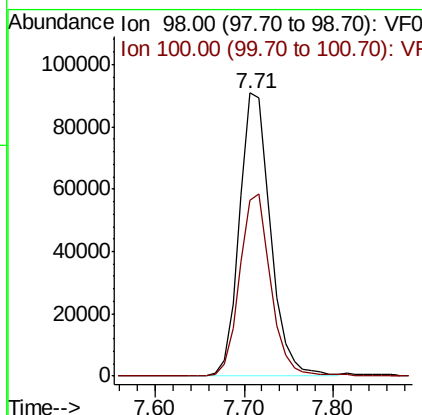
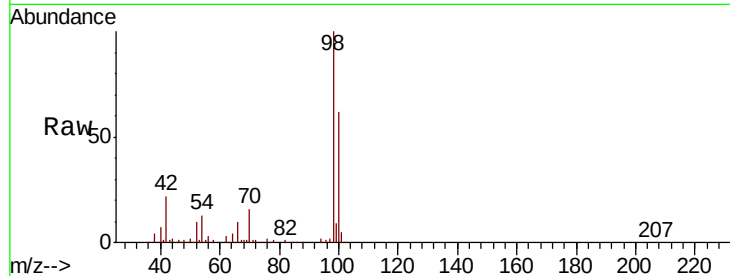
#50
Toluene-d8
Concen: 37.35 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.00 min
Lab File: VF060237.D
Acq: 10 Sep 2018 16:20

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-I5

Tot Ion	Ratio	Lower	Upper
98	100		
100	62.2	47.4	71.0

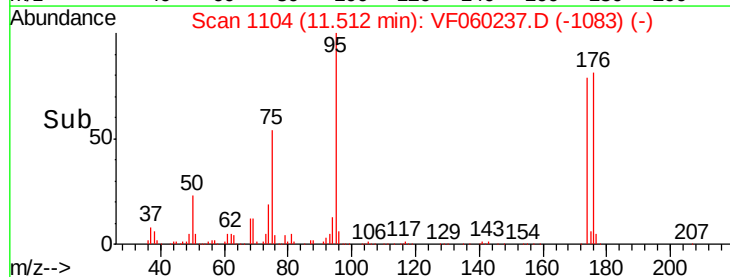
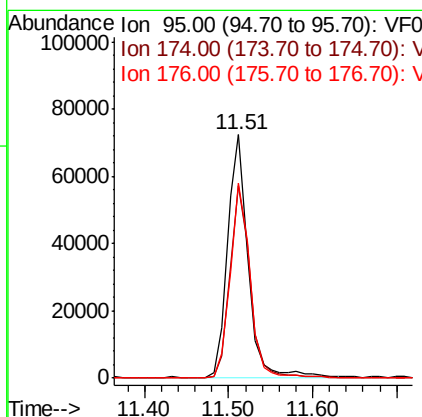
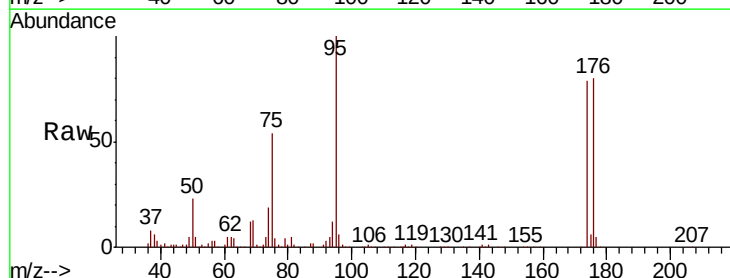
Manual Integrations
APPROVED

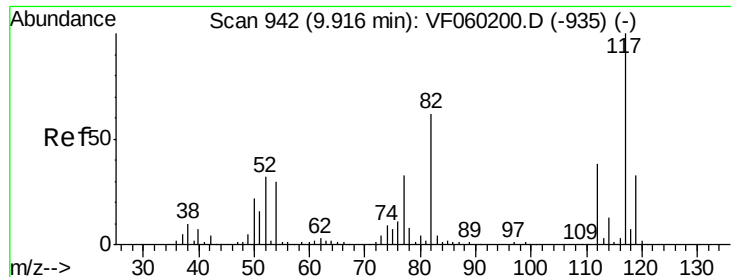
apatel
9/11/2018 11:07:56 AM



#62
4-Bromofluorobenzene
Concen: 36.93 ug/l
RT: 11.51 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VF060237.D
Acq: 10 Sep 2018 16:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	153.2
176	80.3	0.0	147.2





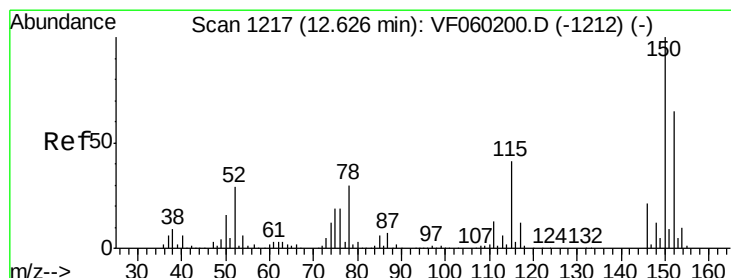
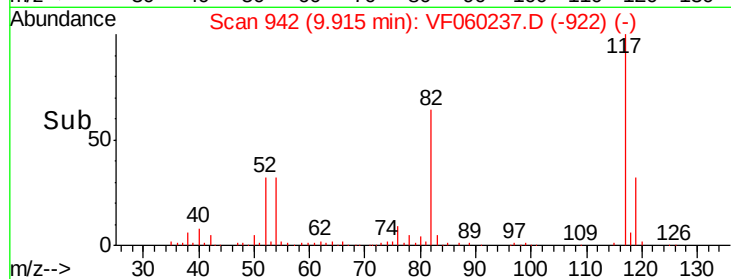
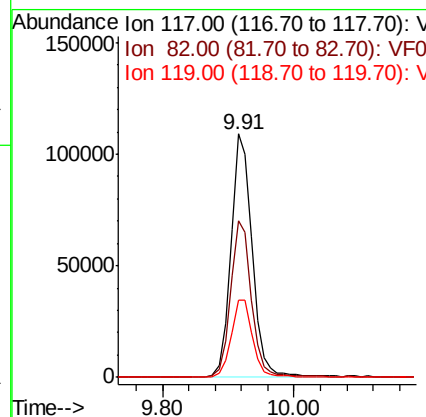
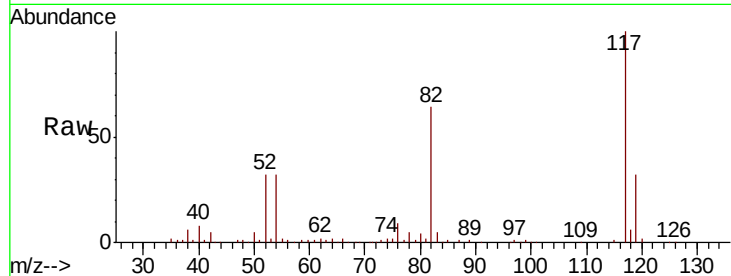
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060237.D
Acq: 10 Sep 2018 16:20

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-I5

Tot Ion	Ratio	Resp	Lower	Upper
117	100	248045		
82	64.4	49.3	73.9	
119	31.8	26.5	39.7	

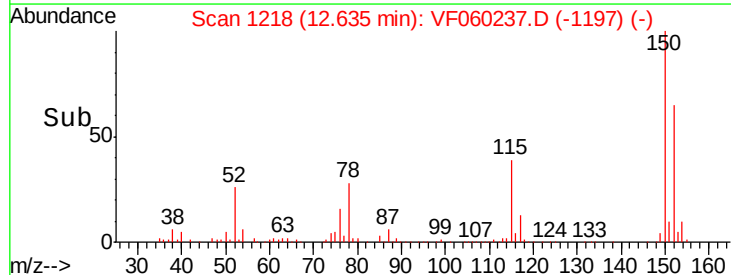
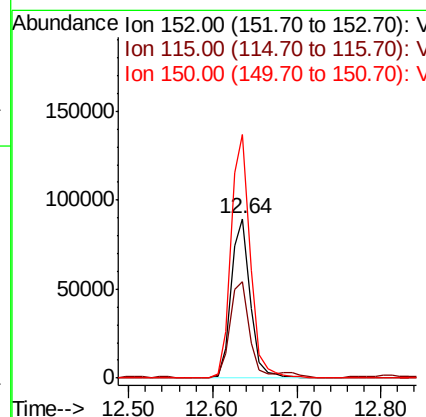
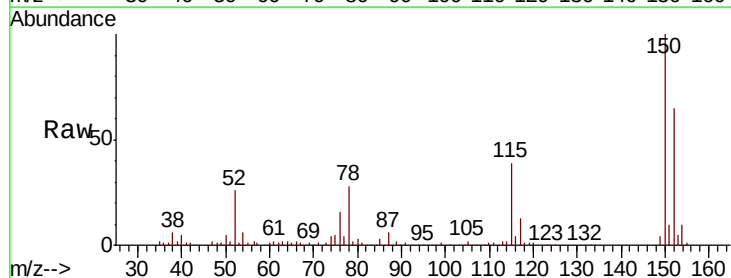
Manual Integrations
APPROVED

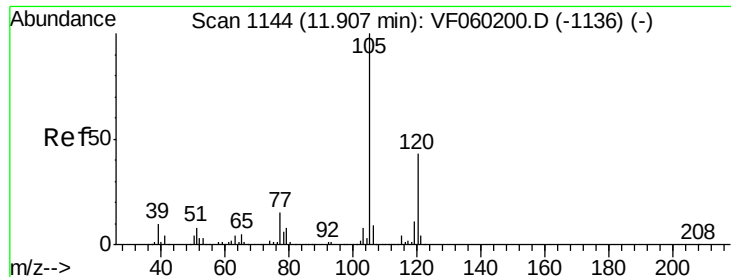
apatel
9/11/2018 11:07:56 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VF060237.D
Acq: 10 Sep 2018 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	141302		
115	60.4	31.5	94.5	
150	152.9	0.0	310.4	





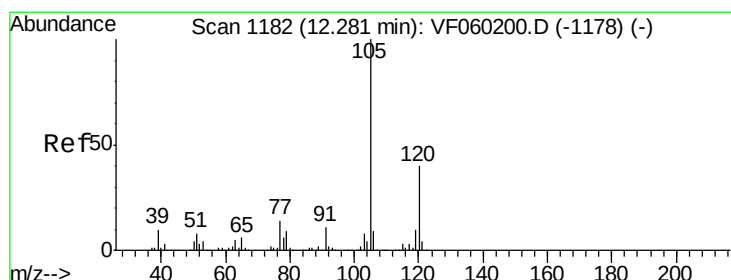
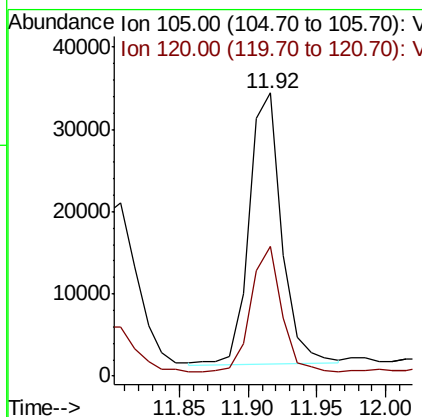
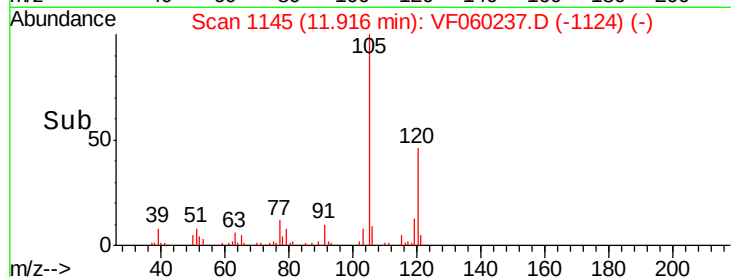
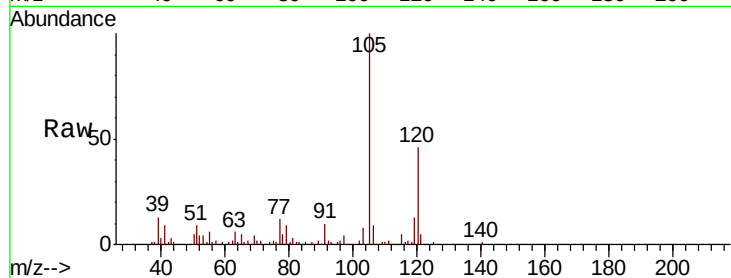
#80
 1,3,5-Trimethylbenzene
 Concen: 6.29 ug/l
 RT: 11.92 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF060237.D
 Acq: 10 Sep 2018 16:20

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-I5

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.7	21.6	64.8

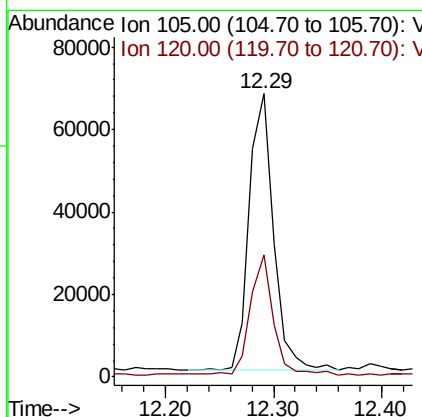
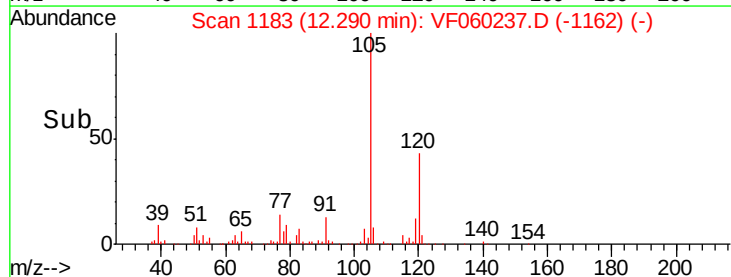
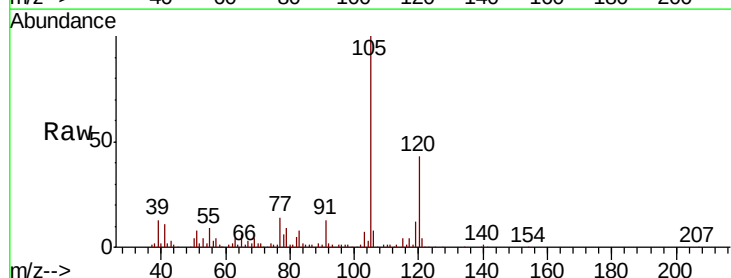
Manual Integrations
 APPROVED

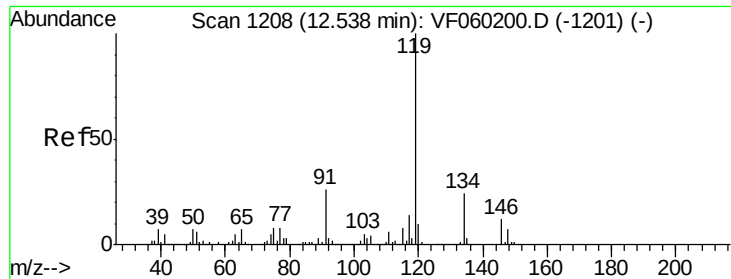
apatel
 9/11/2018 11:07:56 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 11.97 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VF060237.D
 Acq: 10 Sep 2018 16:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	20.2	60.5





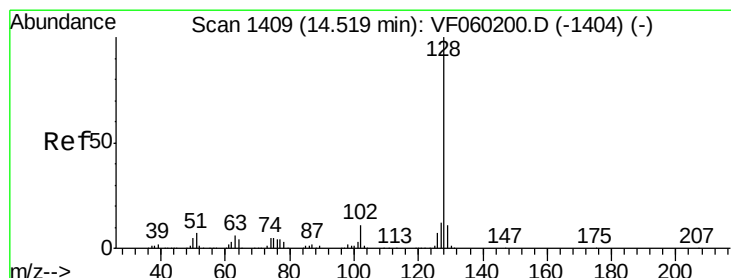
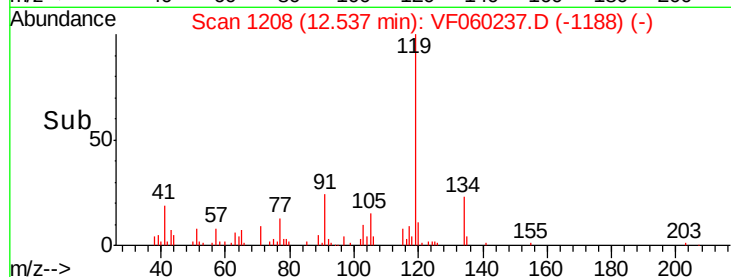
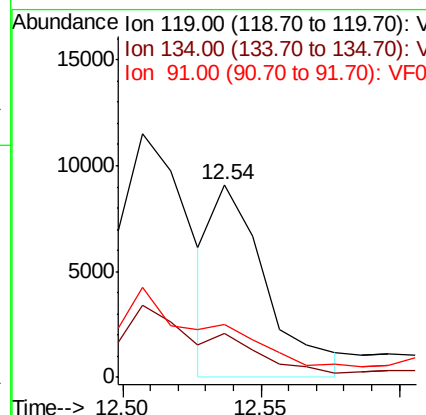
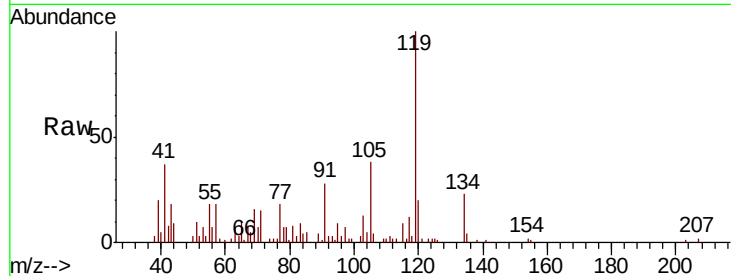
#86
 p-Isopropyltoluene
 Concen: 1.28 ug/l m
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060237.D
 Acq: 10 Sep 2018 16:20

Instrument :
 MSVOA_F
 ClientSampled :
 EP1-Q2-I5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	12295		
134	23.1	12.0	36.0	
91	27.7	12.9	38.7	

Manual Integrations
 APPROVED

apatel
 9/11/2018 11:07:56 AM



#95
 Naphthalene
 Concen: 5.68 ug/l
 RT: 14.52 min Scan# 1409
 Delta R.T. 0.00 min
 Lab File: VF060237.D
 Acq: 10 Sep 2018 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	17313		
127	16.2	9.9	14.9#	
129	12.5	8.9	13.3	

