

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121218\
 Data File : VF061000.D
 Acq On : 12 Dec 2018 17:18
 Operator : VA/AP
 Sample : J6189-01
 Misc : 6.01g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-121118-A

Manual Integrations
 APPROVED

apatel
 12/13/2018 3:41:53 PM

Quant Time: Dec 13 02:33:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	127829	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	203046	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	186083	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	97011	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	58313	38.72	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	77.44%	
35) Dibromofluoromethane	4.11	113	64324	39.93	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	79.86%	
50) Toluene-d8	7.55	98	169786	35.78	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	71.56%	
62) 4-Bromofluorobenzene	11.41	95	80923	37.52	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	75.04%	
Target Compounds						
16) Acetone	2.25	43	7437	26.782	ug/l	99
20) Methylene Chloride	2.22	84	13036m	12.796	ug/l	
52) Toluene	7.62	92	10514	3.008	ug/l	98
68) m/p-Xylenes	10.13	106	3079	1.270	ug/l	79
84) 1,2,4-Trimethylbenzene	12.20	105	22443	3.613	ug/l	87
95) Naphthalene	14.46	128	20487	1.603	ug/l #	94

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

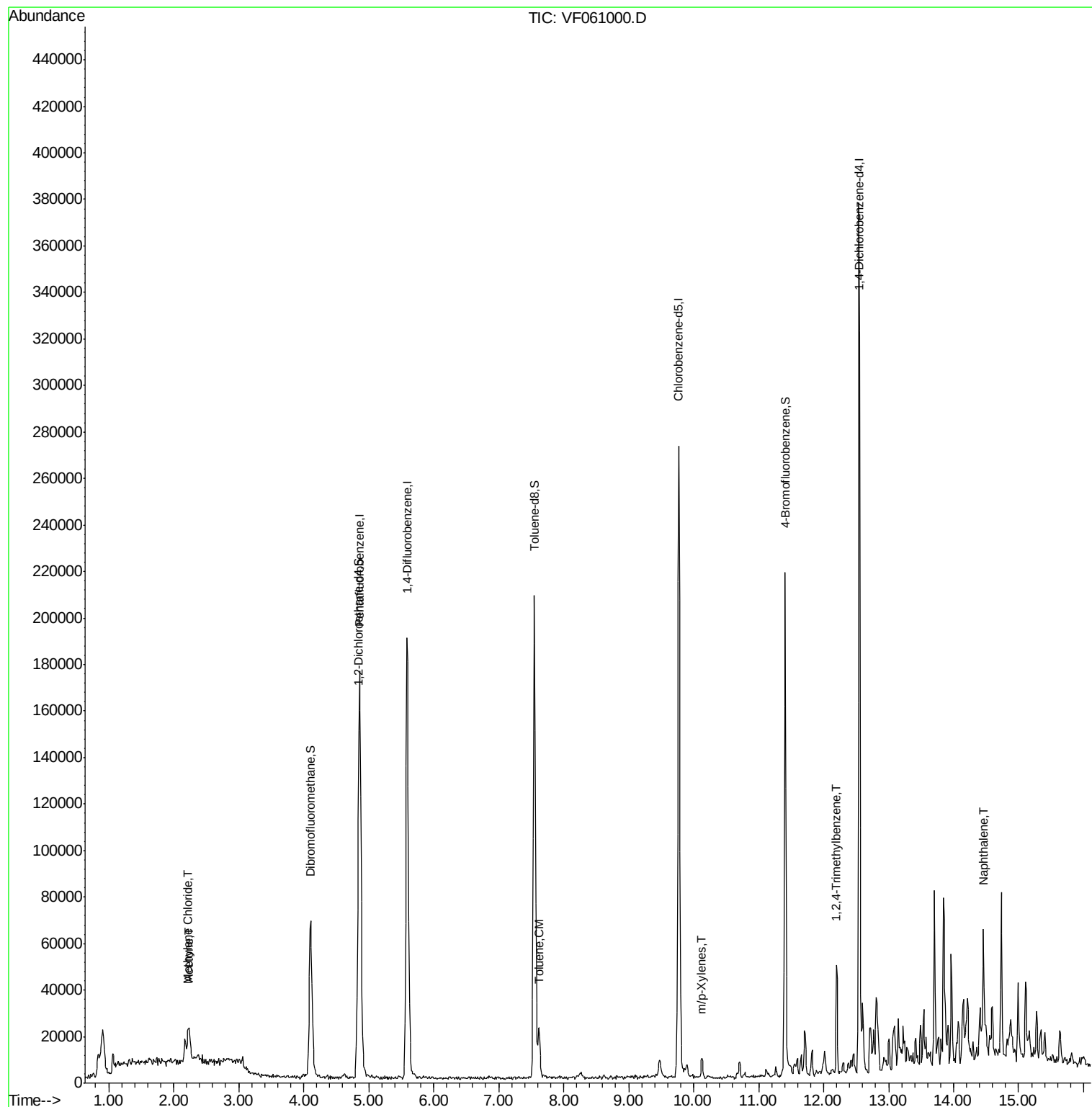
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061000.D
Acq On : 12 Dec 2018 17:18
Operator : VA/AP
Sample : J6189-01
Misc : 6.01q/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

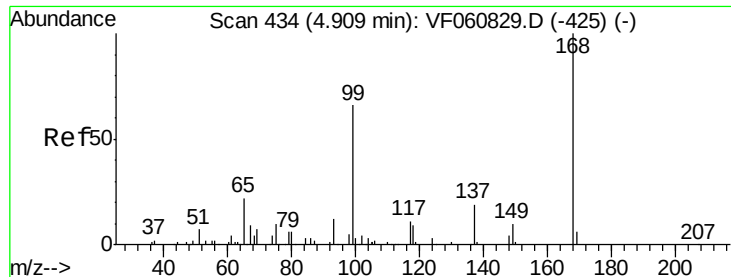
Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-A

Manual Integrations
APPROVED

apatel
12/13/2018 3:41:53 PM

Quant Time: Dec 13 02:33:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF061000.D

Acq: 12 Dec 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

HR-05-121118-A

Tot Ion:168 Resp: 127829

Ion Ratio Lower Upper

168 100

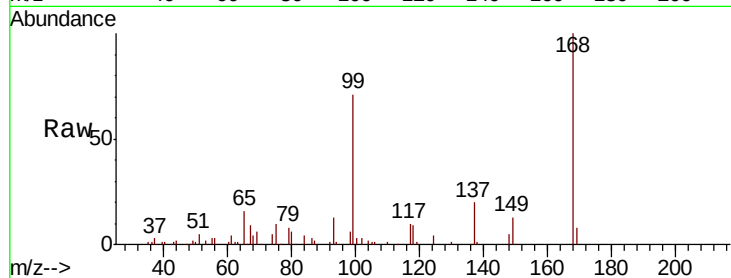
99 70.9 52.6 79.0

Manual Integrations

APPROVED

apatel

12/13/2018 3:41:53 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

40000

30000

20000

10000

0

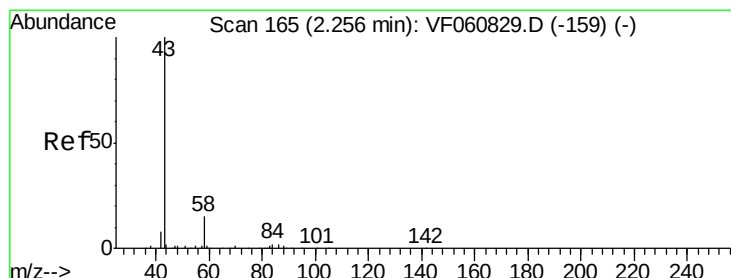
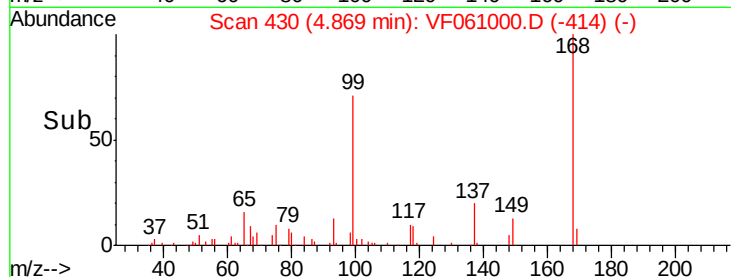
Time-->

4.70

4.80

4.90

5.00



#16

Acetone

Concen: 26.782 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF061000.D

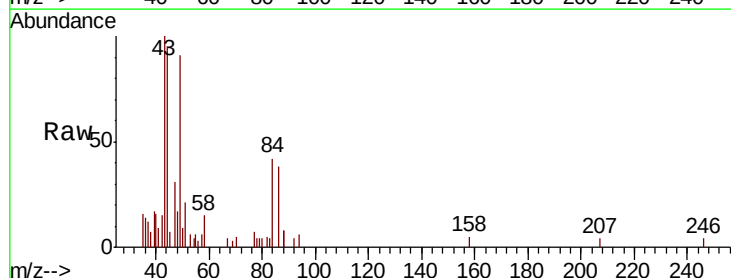
Acq: 12 Dec 2018 17:18

Tgt Ion: 43 Resp: 7437

Ion Ratio Lower Upper

43 100

58 14.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

4000

3000

2000

1000

0

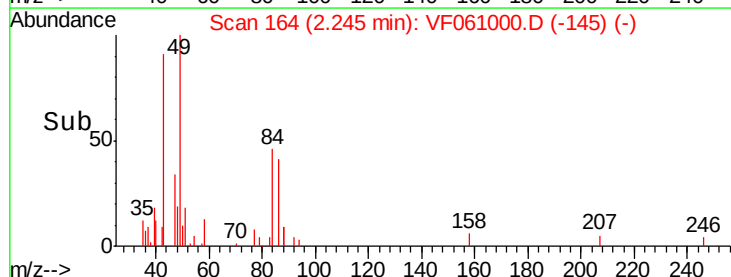
Time-->

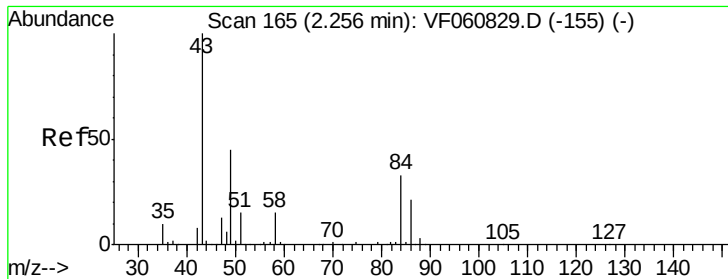
2.15

2.20

2.25

2.30





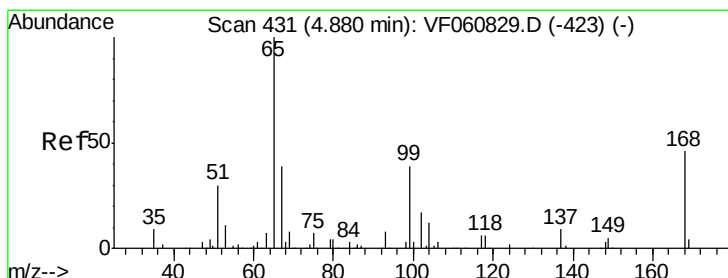
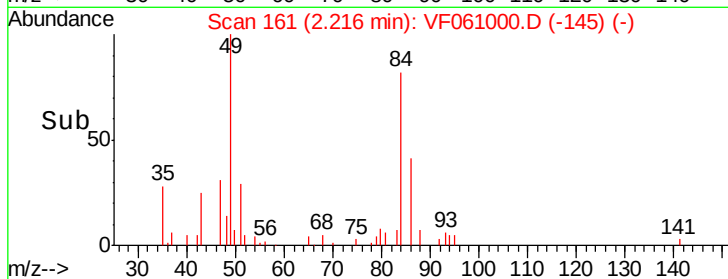
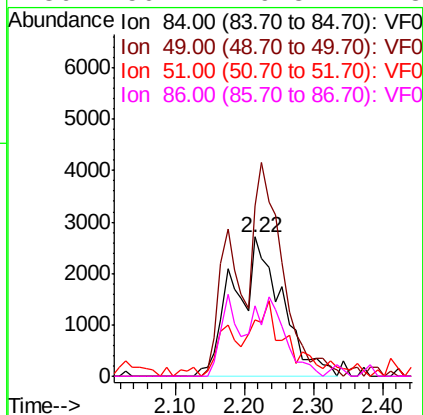
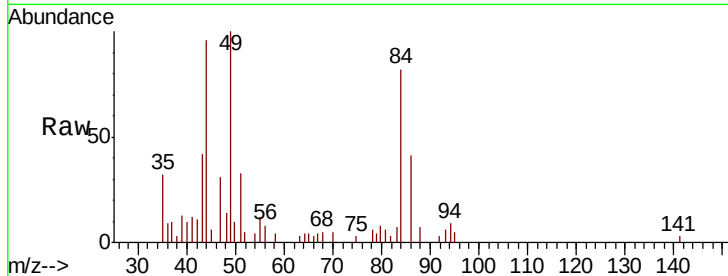
#20
Methylene Chloride
Concen: 12.796 ug/l m
RT: 2.22 min Scan# 161
Delta R.T. -0.04 min
Lab File: VF061000.D
Acq: 12 Dec 2018 17:18

Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-A

Tot Ion:	84	Resp:	13036
Ion	Ratio	Lower	Upper
84	100		
49	121.8	111.3	166.9
51	40.3	38.0	57.0
86	50.4	49.8	74.8

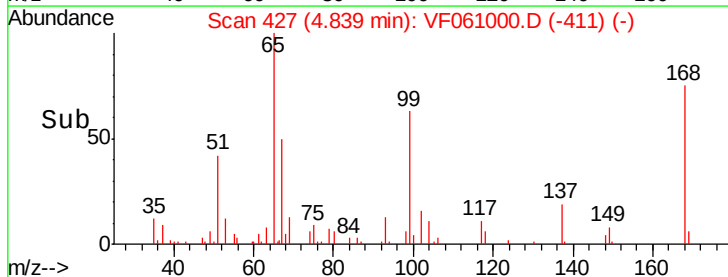
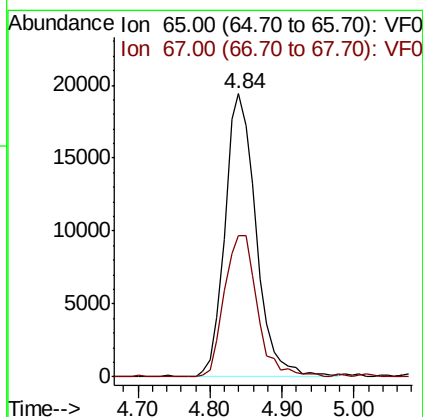
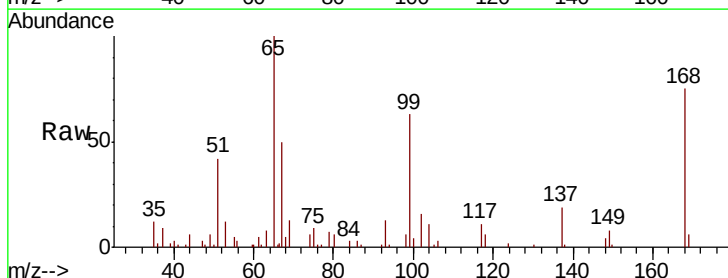
Manual Integrations
APPROVED

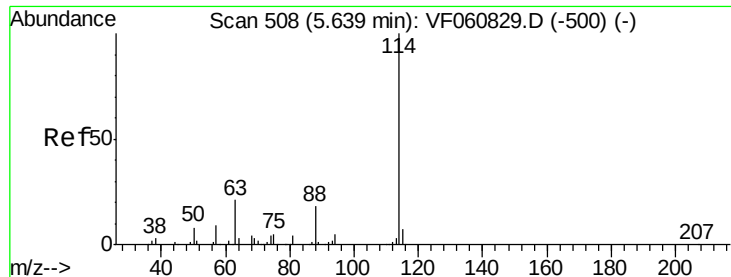
apatel
12/13/2018 3:41:53 PM



#33
1,2-Dichloroethane-d4
Concen: 38.724 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.04 min
Lab File: VF061000.D
Acq: 12 Dec 2018 17:18

Tgt Ion:	65	Resp:	58313
Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF061000.D

Acq: 12 Dec 2018 17:18

Instrument :

MSVOA_F

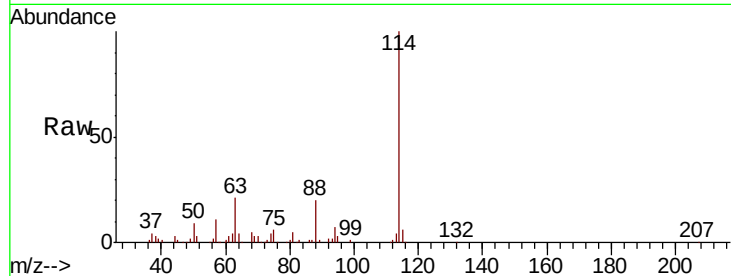
ClientSampleId :

HR-05-121118-A

Tot Ion:	114	Resp:	203046
Ion Ratio		Lower	Upper
114	100		
63	20.8	0.0	41.6
88	20.3	0.0	36.6

Manual Integrations
APPROVED

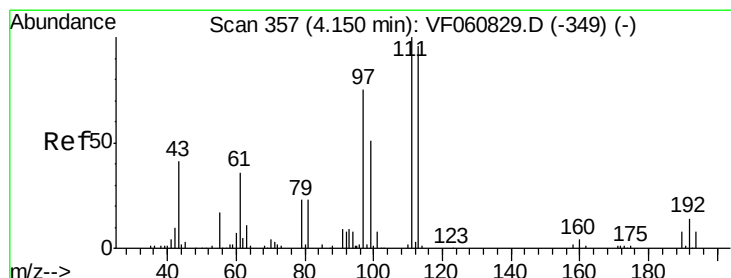
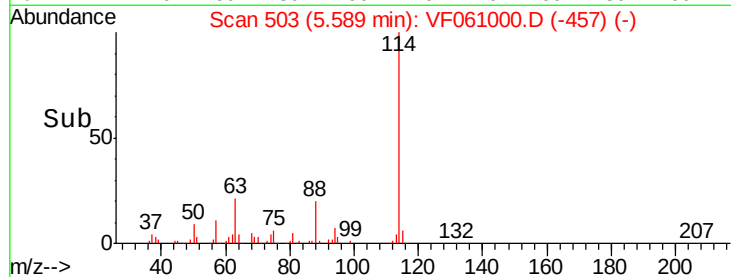
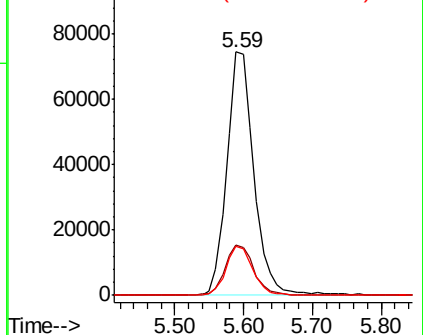
apatel
12/13/2018 3:41:53 PM



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: 39.933 ug/l

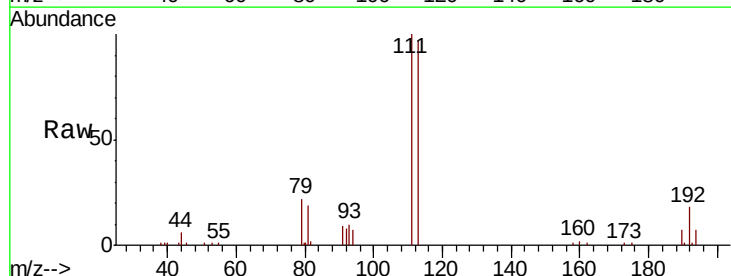
RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF061000.D

Acq: 12 Dec 2018 17:18

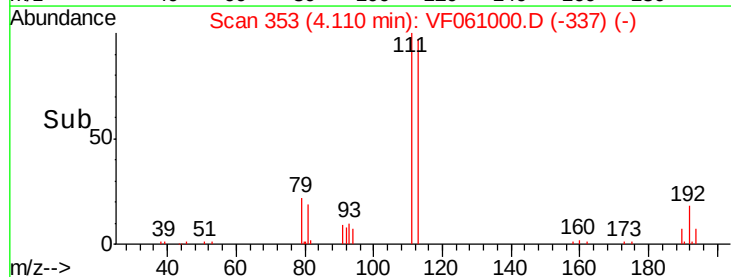
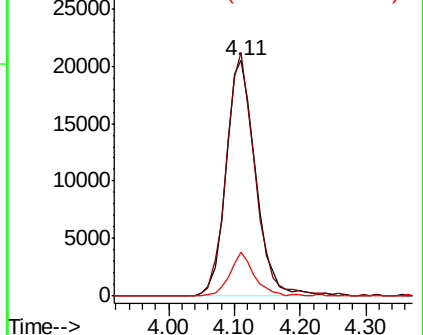
Tgt Ion:	113	Resp:	64324
Ion Ratio		Lower	Upper
113	100		
111	103.3	83.0	124.6
192	18.4	12.3	18.5

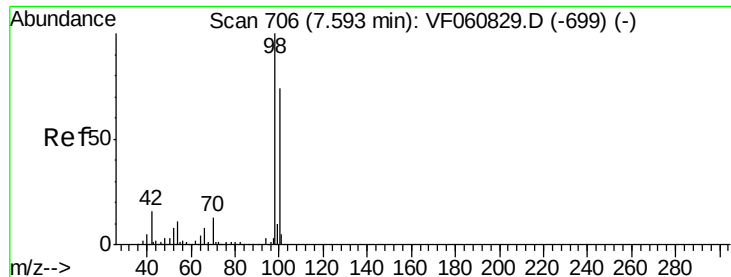


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 35.782 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF061000.D

Acq: 12 Dec 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

HR-05-121118-A

Tot Ion: 98 Resp: 169786

Ion Ratio Lower Upper

98 100

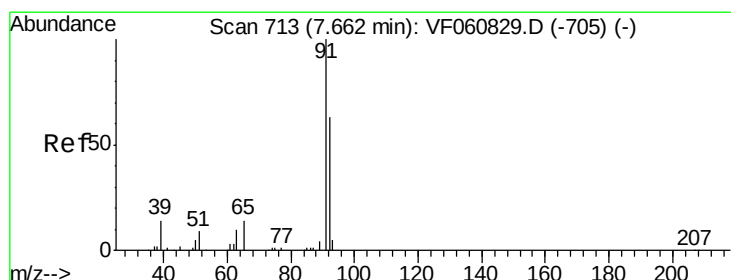
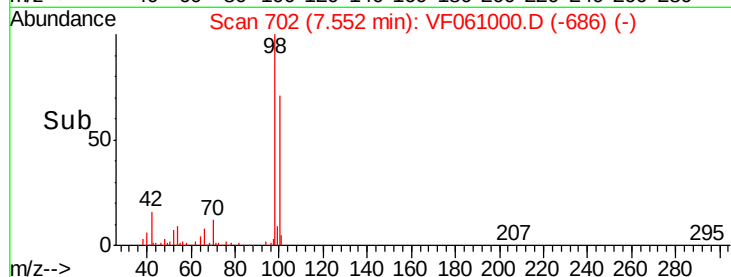
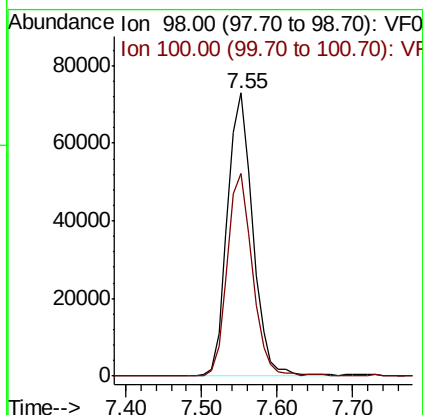
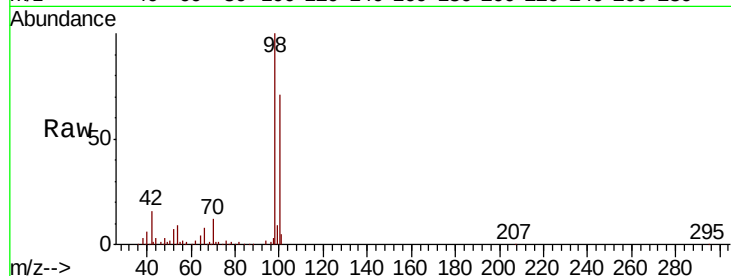
100 71.5 59.3 88.9

Manual Integrations

APPROVED

apatel

12/13/2018 3:41:53 PM



#52

Toluene

Concen: 3.008 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF061000.D

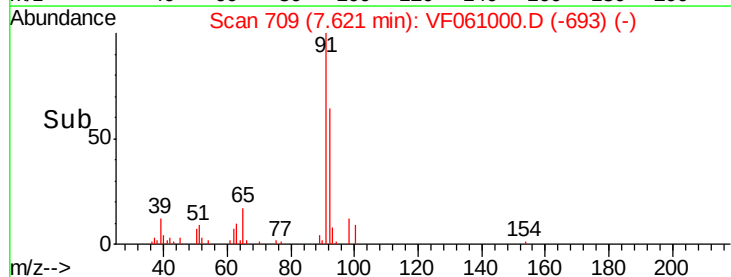
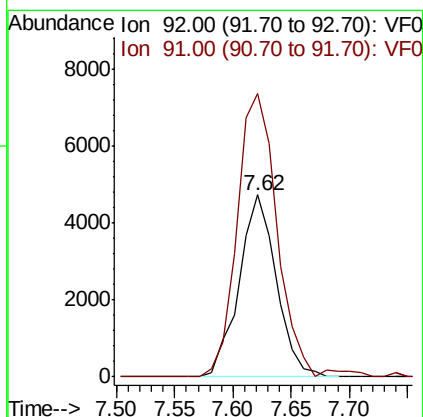
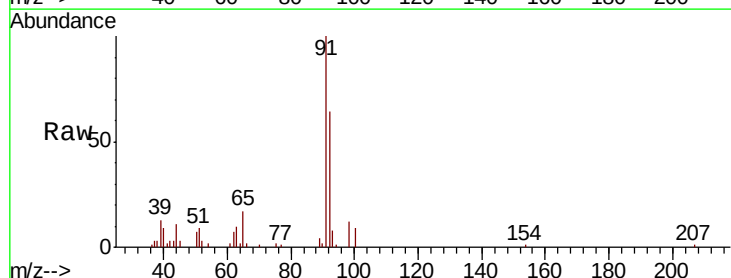
Acq: 12 Dec 2018 17:18

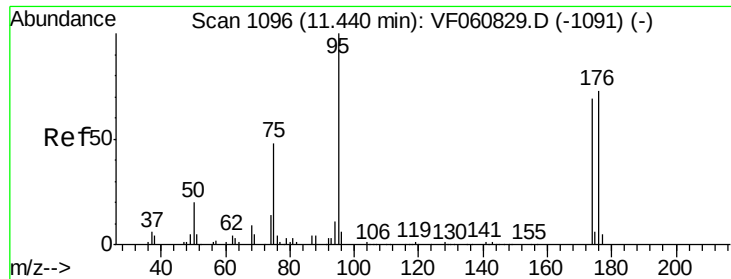
Tgt Ion: 92 Resp: 10514

Ion Ratio Lower Upper

92 100

91 155.4 126.2 189.2





#62

4-Bromofluorobenzene

Concen: 37.525 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF061000.D

Acq: 12 Dec 2018 17:18

Instrument :

MSVOA_F

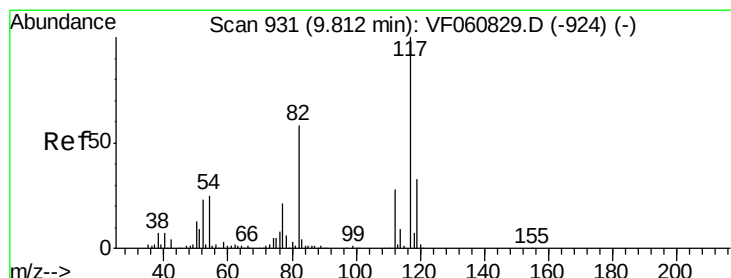
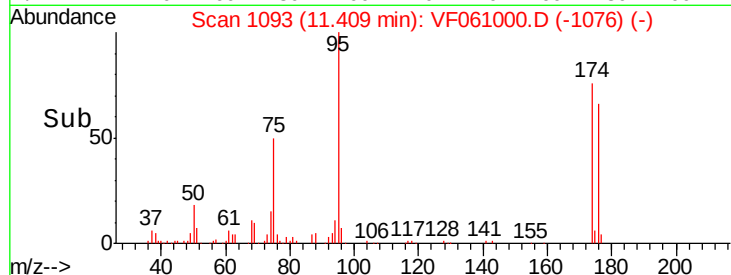
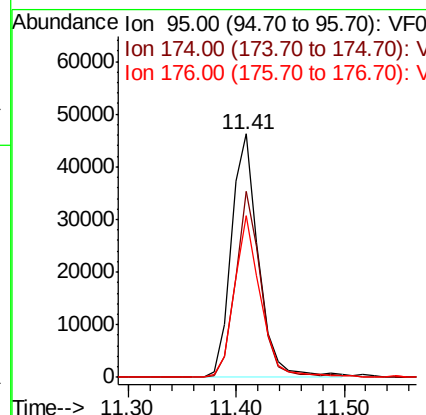
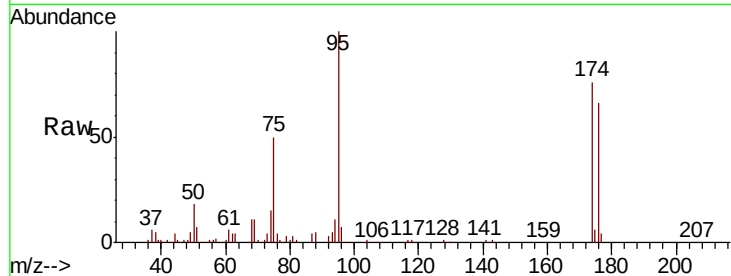
ClientSampleId :

HR-05-121118-A

Tot Ion:	95	Resp:	80923
Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	138.2
176	66.3	0.0	146.2

Manual Integrations
APPROVED

apatel
12/13/2018 3:41:53 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

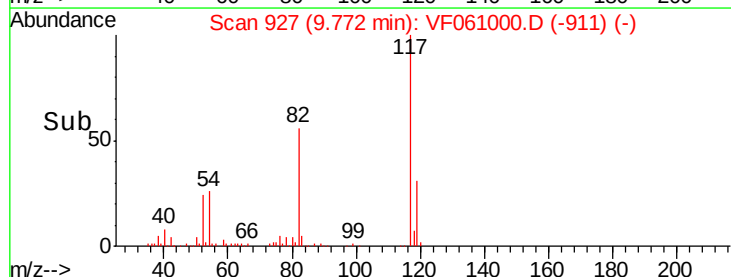
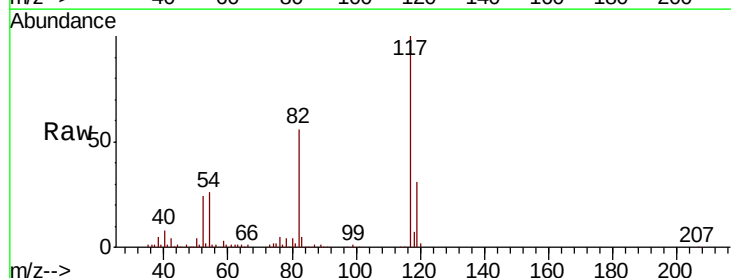
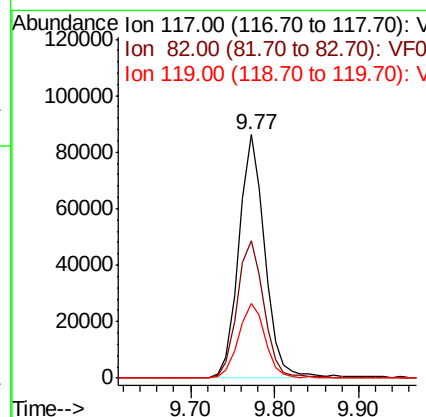
RT: 9.77 min Scan# 927

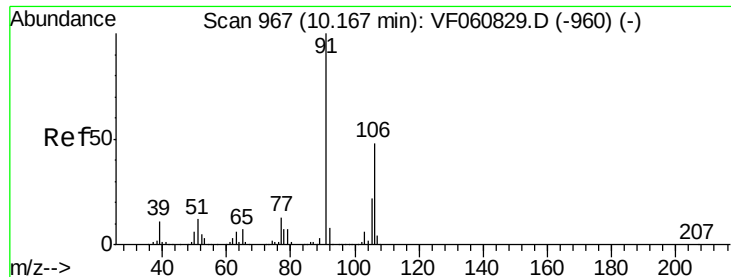
Delta R.T. -0.04 min

Lab File: VF061000.D

Acq: 12 Dec 2018 17:18

Tgt Ion:	117	Resp:	186083
Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.6	69.8
119	30.7	26.4	39.6





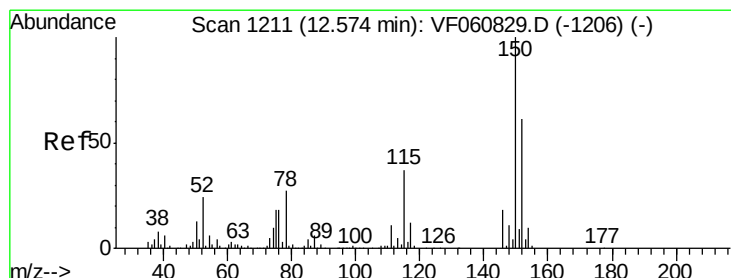
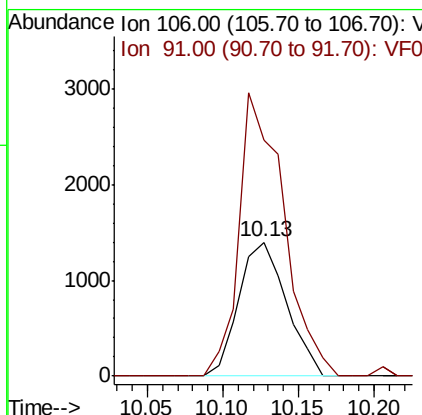
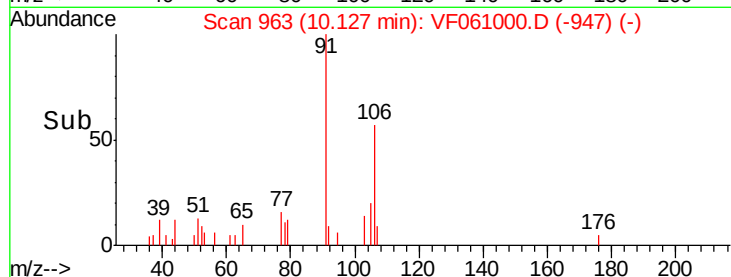
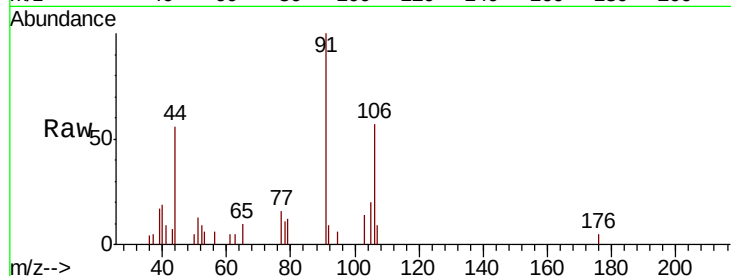
#68
m/p-Xylenes
Concen: 1.270 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.04 min
Lab File: VF061000.D
Acq: 12 Dec 2018 17:18

Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-A

Tot Ion:106 Resp: 3079
Ion Ratio Lower Upper
106 100
91 175.8 166.7 250.1

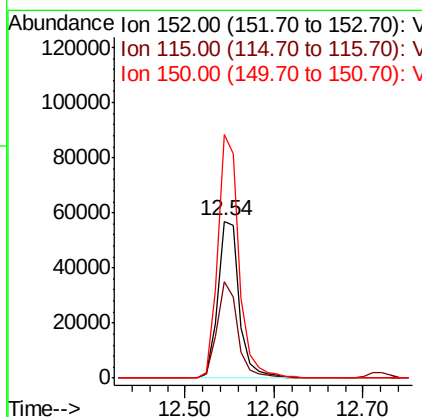
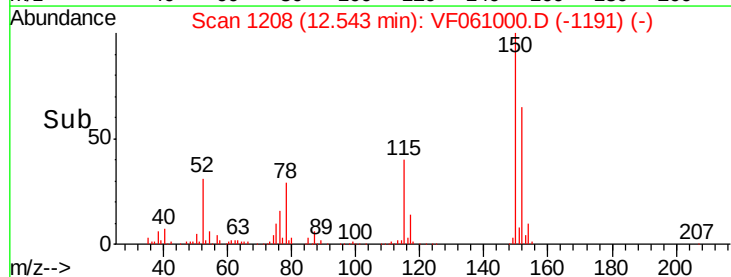
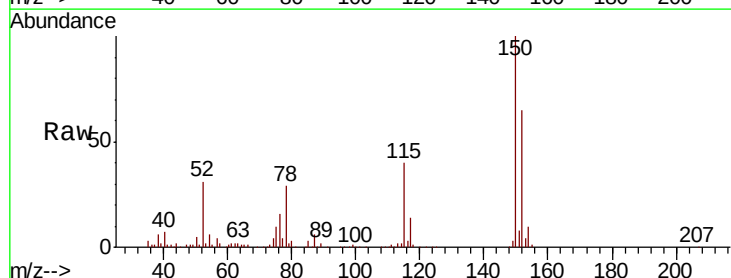
Manual Integrations
APPROVED

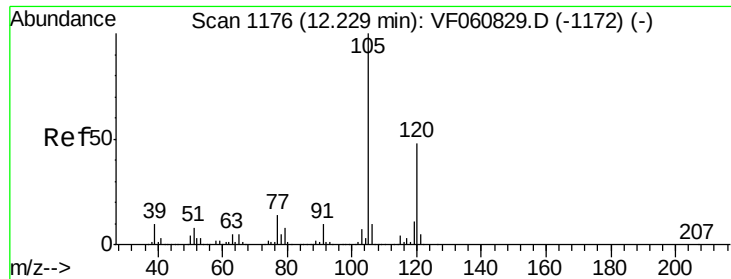
apatel
12/13/2018 3:41:53 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF061000.D
Acq: 12 Dec 2018 17:18

Tgt Ion:152 Resp: 97011
Ion Ratio Lower Upper
152 100
115 61.7 30.1 90.5
150 154.9 0.0 327.6





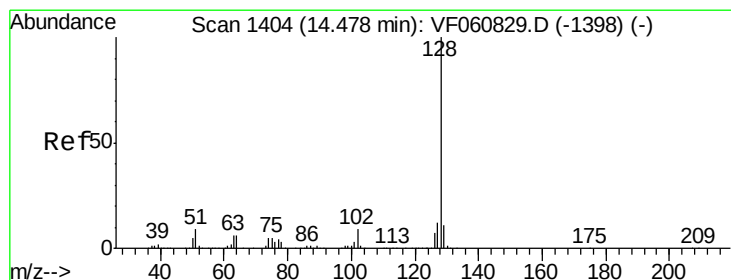
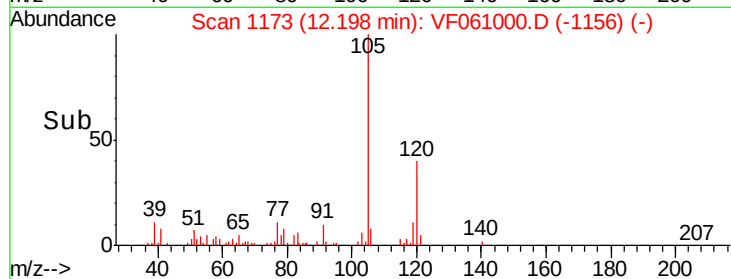
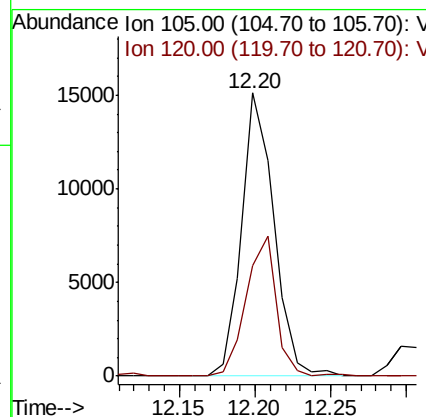
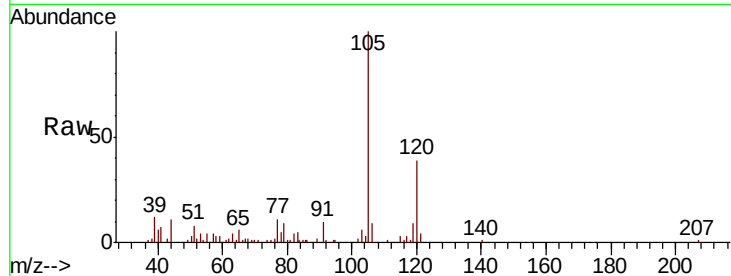
#84
 1,2,4-Trimethylbenzene
 Concen: 3.613 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.03 min
 Lab File: VF061000.D
 Acq: 12 Dec 2018 17:18

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-121118-A

Tot Ion	Ratio	Lower	Upper
105	100		
120	38.9	23.8	71.5

Manual Integrations
 APPROVED

apatel
 12/13/2018 3:41:53 PM



#95
 Naphthalene
 Concen: 1.603 ug/l
 RT: 14.46 min Scan# 1402
 Delta R.T. -0.02 min
 Lab File: VF061000.D
 Acq: 12 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.9	14.9
129	15.7	9.1	13.7#

