

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060431.D
 Acq On : 3 Oct 2018 22:52
 Operator : VA/AP
 Sample : J5198-03
 Misc : 6.85/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-100218-B

Manual Integrations
 APPROVED

apatel
 10/4/2018 2:07:10 PM

Quant Time: Oct 04 14:42:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	261808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	428802	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	257370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	110077	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	208670	50.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.88%	
35) Dibromofluoromethane	4.27	113	236891	58.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.62%	
50) Toluene-d8	7.69	98	321849	32.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.88%	
62) 4-Bromofluorobenzene	11.49	95	177443	39.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.27	84	24684m	3.023	ug/l	
39) Methylcyclohexane	5.60	83	18626	3.594	ug/l	98
52) Toluene	7.76	92	14052	1.971	ug/l	98
67) Ethyl Benzene	10.03	91	42740	4.252	ug/l	92
68) m/p-Xylenes	10.25	106	15714	4.547	ug/l	83
69) o-Xylene	10.81	106	20308	5.391	ug/l	90
73) Isopropylbenzene	11.22	105	27682	3.194	ug/l	91
78) n-propylbenzene	11.67	91	24596	2.341	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	29041	3.944	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	52903	7.244	ug/l	97
85) sec-Butylbenzene	12.38	105	15427	1.539	ug/l #	67
95) Naphthalene	14.51	128	13578	2.909	ug/l #	92

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

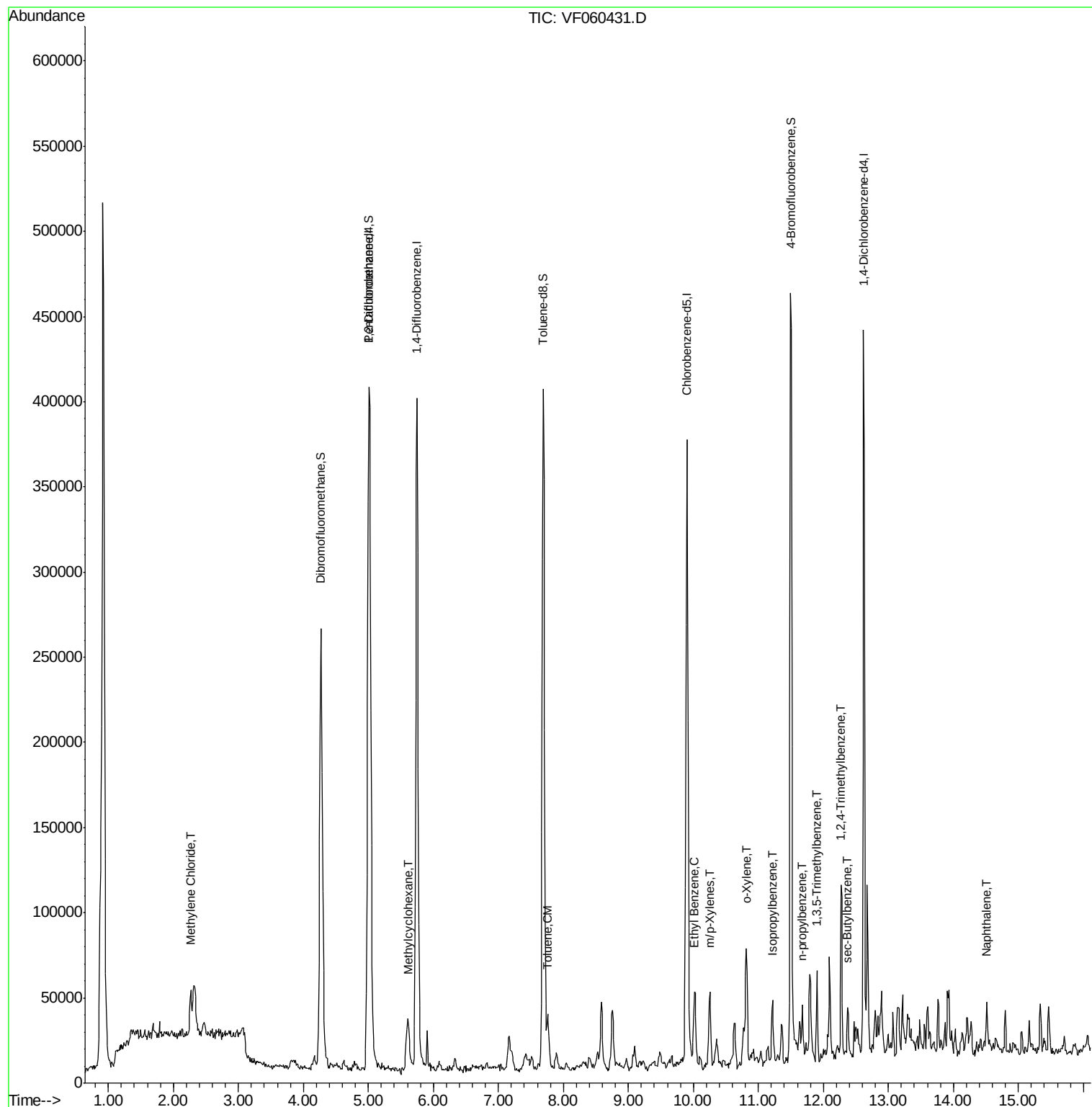
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100318\
Data File : VF060431.D
Acq On : 3 Oct 2018 22:52
Operator : VA/AP
Sample : J5198-03
Misc : 6.85/5mL/MSVOA F/SOIL
ALS Vial : 45 Sample Multiplier: 1

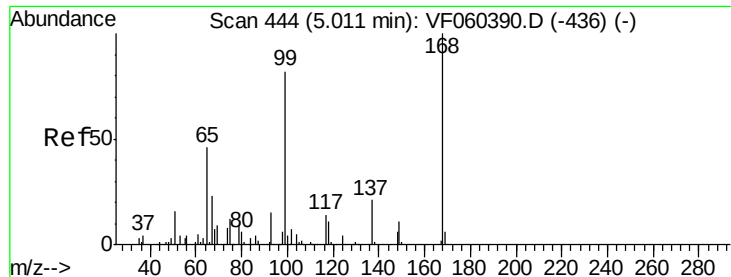
Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-B

Manual Integrations
APPROVED

apatel
10/4/2018 2:07:10 PM

Quant Time: Oct 04 14:42:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060431.D

Acq: 3 Oct 2018 22:52

Instrument :

MSVOA_F

ClientSampleId :

CL-01-100218-B

Tot Ion:168 Resp: 261808

Ion Ratio Lower Upper

168 100

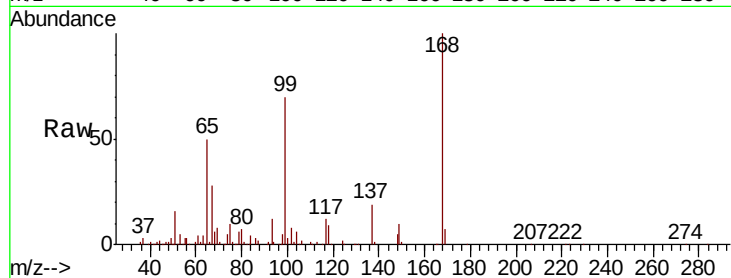
99 69.9 65.3 97.9

Manual Integrations

APPROVED

apatel

10/4/2018 2:07:10 PM



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

100000

80000

60000

40000

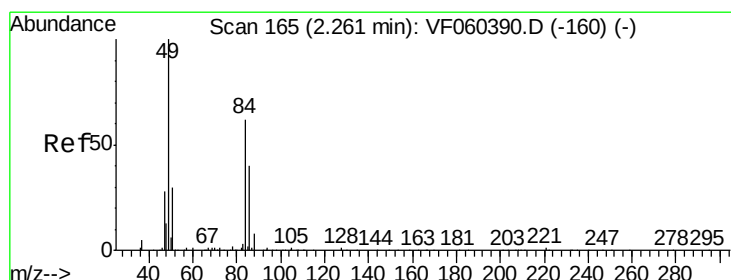
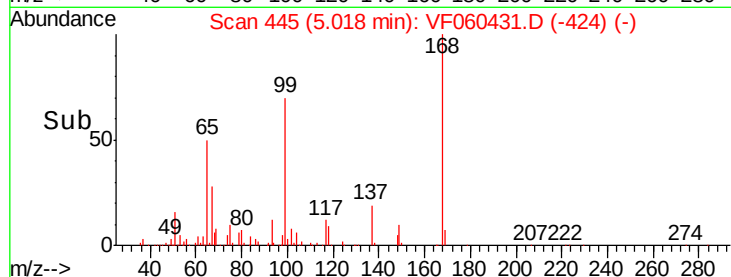
20000

0

Time-->

4.90 5.00 5.10 5.20

5.02



#20

Methylene Chloride

Concen: 3.023 ug/l m

RT: 2.27 min Scan# 166

Delta R.T. 0.01 min

Lab File: VF060431.D

Acq: 3 Oct 2018 22:52

Tgt Ion: 84 Resp: 24684

Ion Ratio Lower Upper

84 100

49 132.7 130.2 195.2

51 61.0 41.0 61.6

86 58.7 51.5 77.3

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

10000

8000

6000

4000

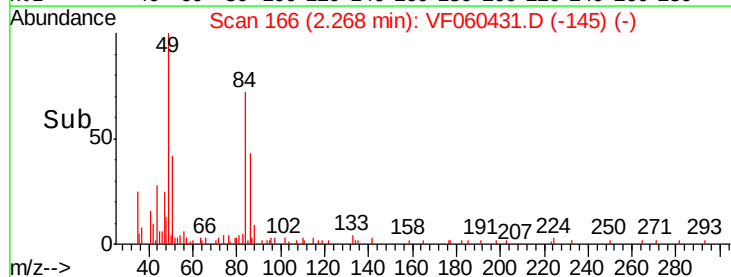
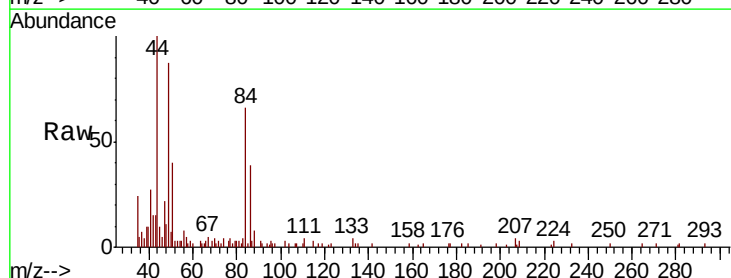
2000

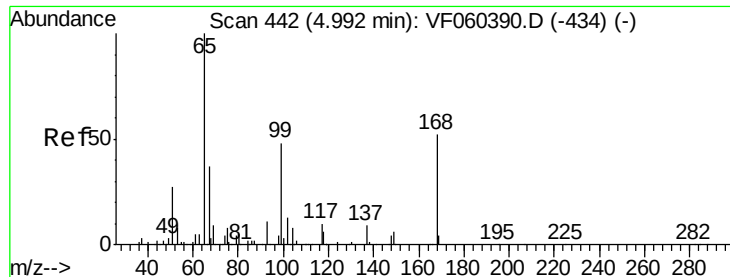
0

Time-->

2.20 2.30 2.40

2.27





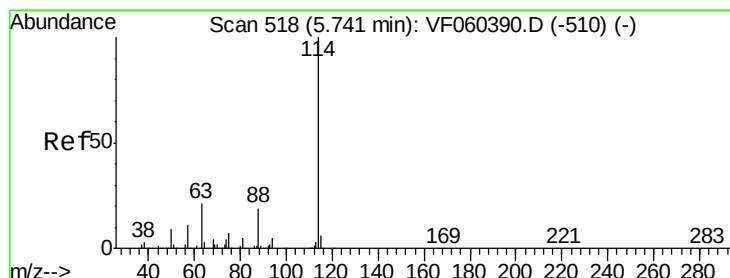
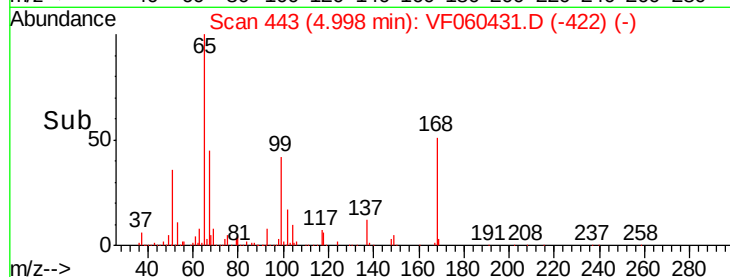
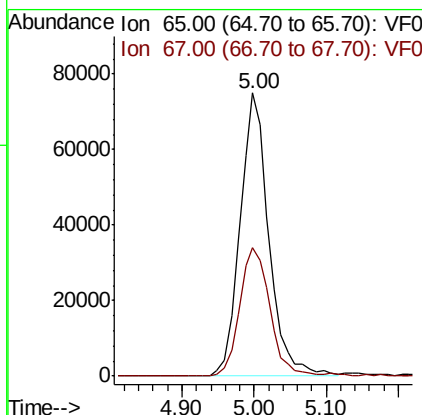
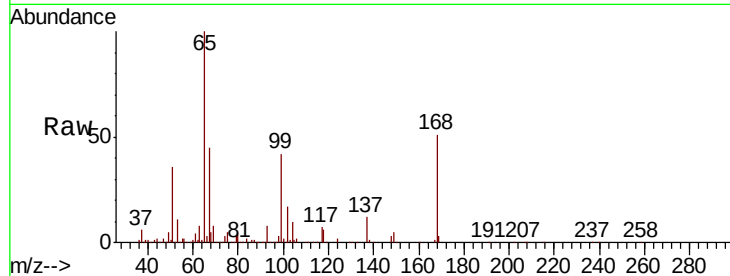
#33
 1,2-Dichloroethane-d4
 Concen: 50.936 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060431.D
 Acq: 3 Oct 2018 22:52

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-100218-B

Tot Ion	Ratio	Resp	Lower	Upper
65	100	208670		
67	45.3	0.0	89.4	

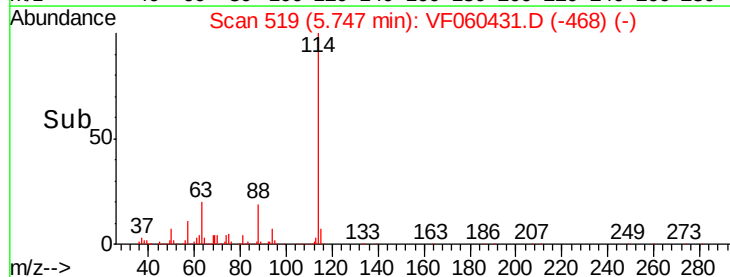
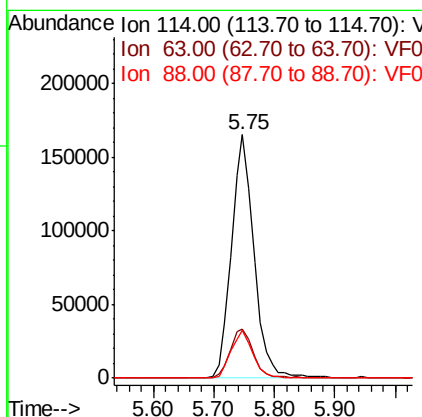
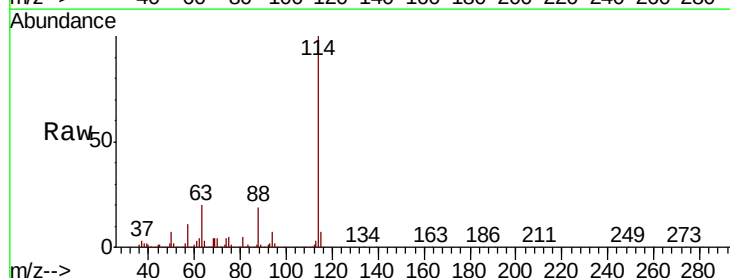
Manual Integrations
 APPROVED

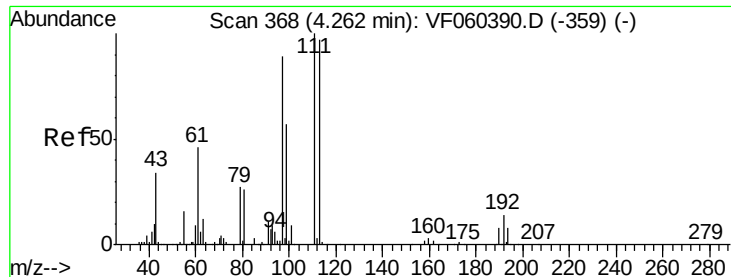
apatel
 10/4/2018 2:07:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VF060431.D
 Acq: 3 Oct 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	428802		
63	20.2	0.0	42.2	
88	19.5	0.0	38.8	





#35

Dibromofluoromethane

Concen: 58.806 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060431.D

Acq: 3 Oct 2018 22:52

Instrument :

MSVOA_F

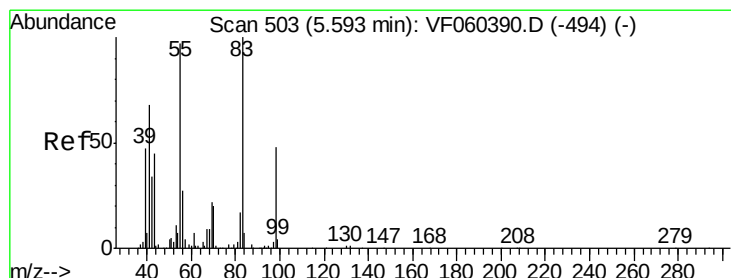
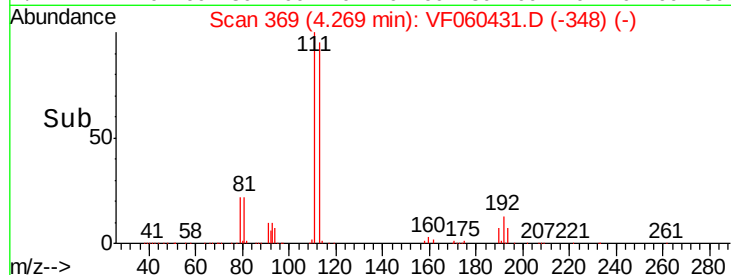
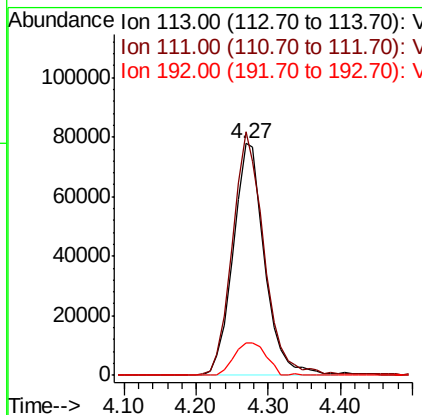
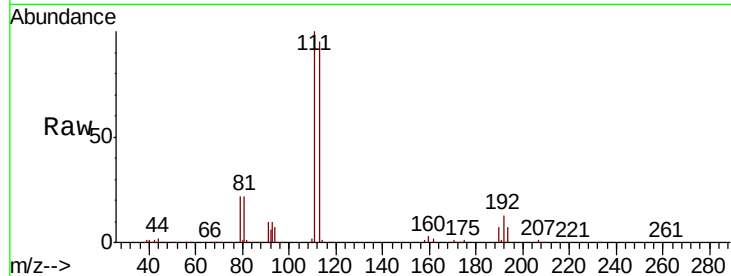
ClientSampleId :

CL-01-100218-B

Tot Ion:	113	Resp:	236891
Ion Ratio	Lower	Upper	
113	100		
111	105.1	82.3	123.5
192	14.1	11.8	17.6

Manual Integrations
APPROVED

apatel
10/4/2018 2:07:10 PM



#39

Methylcyclohexane

Concen: 3.594 ug/l

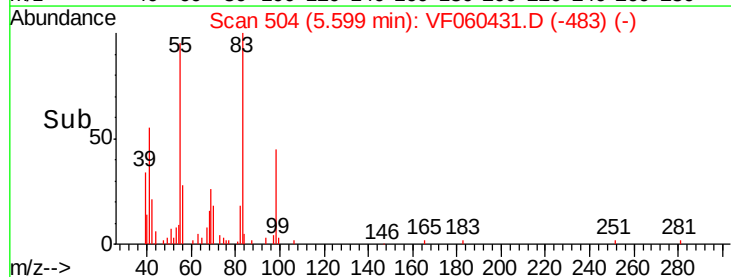
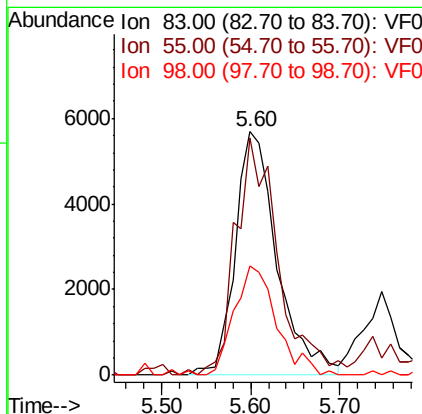
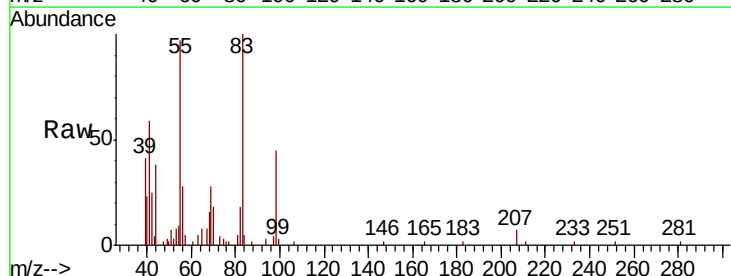
RT: 5.60 min Scan# 504

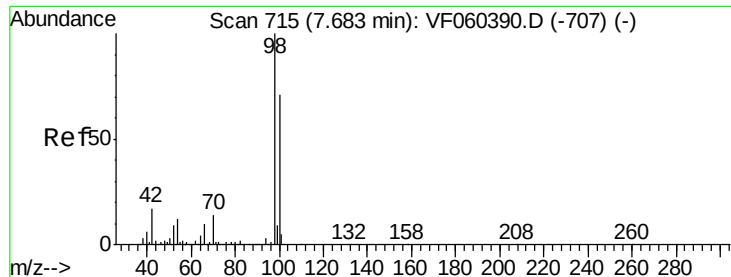
Delta R.T. 0.01 min

Lab File: VF060431.D

Acq: 3 Oct 2018 22:52

Tgt Ion:	83	Resp:	18626
Ion Ratio	Lower	Upper	
83	100		
55	97.3	77.5	116.3
98	45.0	38.7	58.1





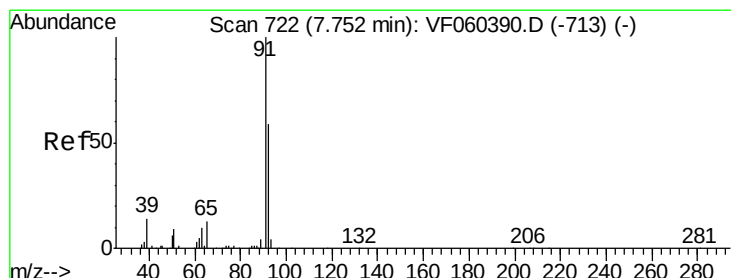
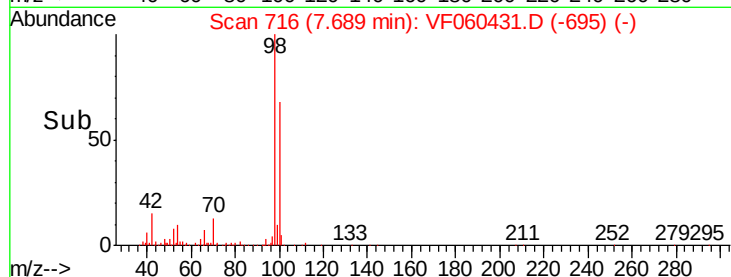
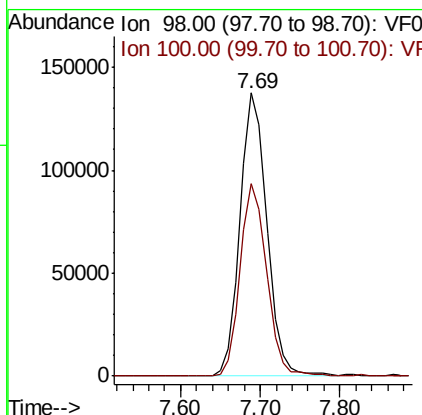
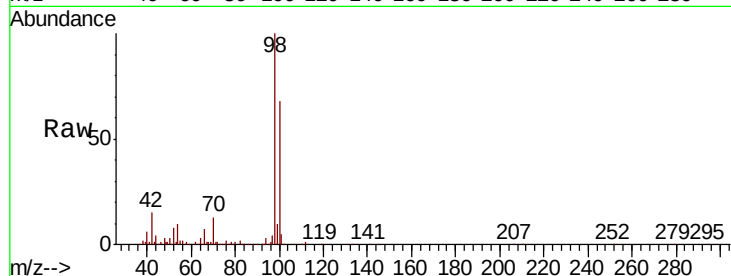
#50
Toluene-d8
Concen: 32.441 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-B

Tot Ion: 98 Resp: 321849
Ion Ratio Lower Upper
98 100
100 68.2 56.5 84.7

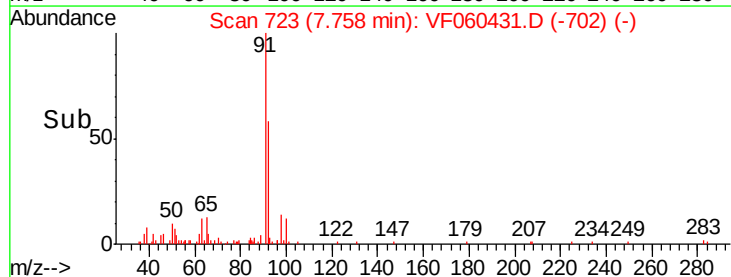
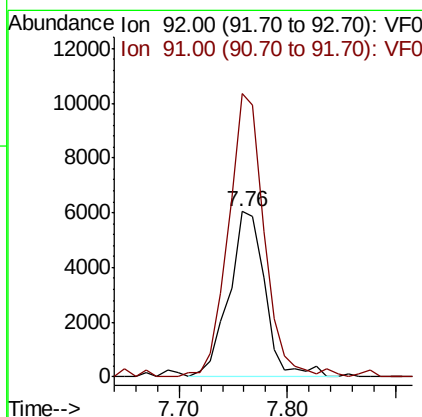
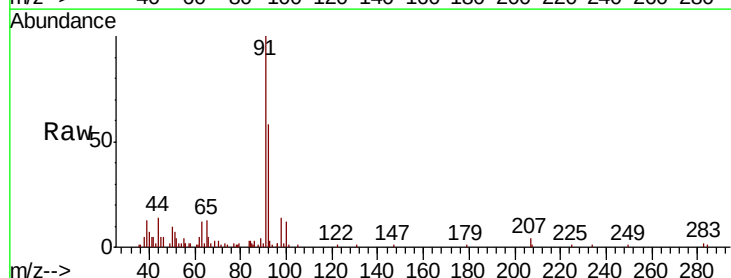
Manual Integrations
APPROVED

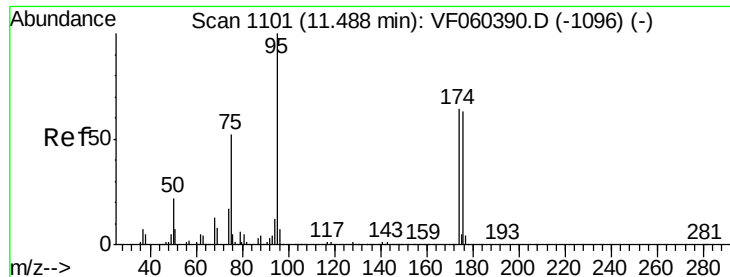
apatel
10/4/2018 2:07:10 PM



#52
Toluene
Concen: 1.971 ug/l
RT: 7.76 min Scan# 723
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 92 Resp: 14052
Ion Ratio Lower Upper
92 100
91 171.4 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 39.172 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060431.D

Acq: 3 Oct 2018 22:52

Instrument :

MSVOA_F

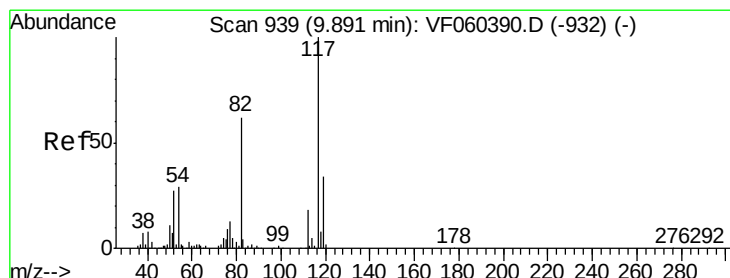
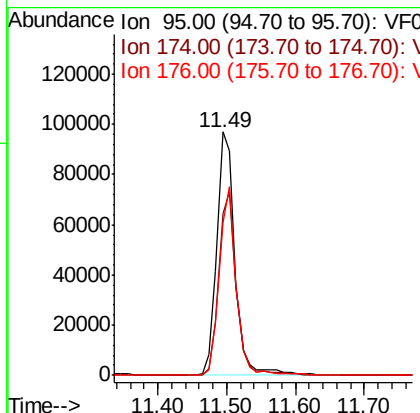
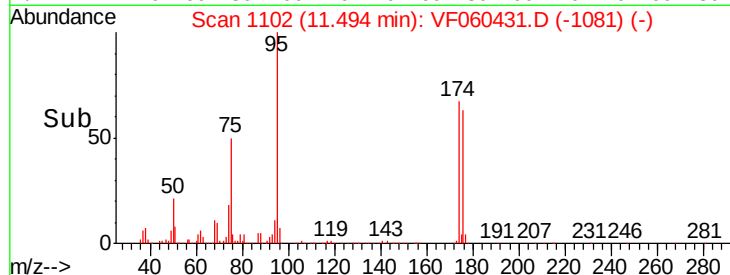
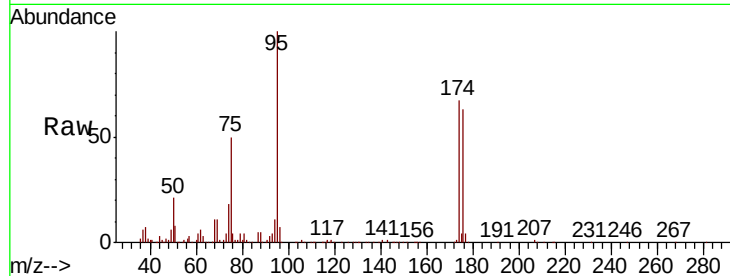
ClientSampleId :

CL-01-100218-B

Tot Ion:	95	Resp:	177443
Ion Ratio	Lower	Upper	
95	100		
174	66.6	0.0	129.0
176	62.6	0.0	125.6

Manual Integrations
APPROVED

apatel
10/4/2018 2:07:10 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

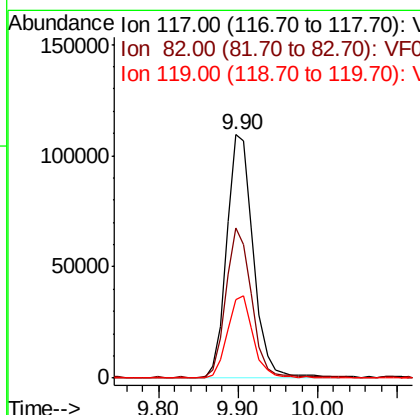
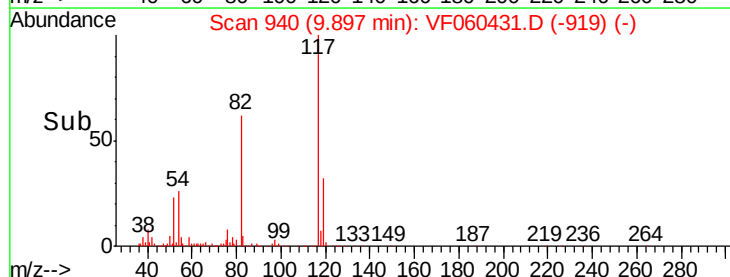
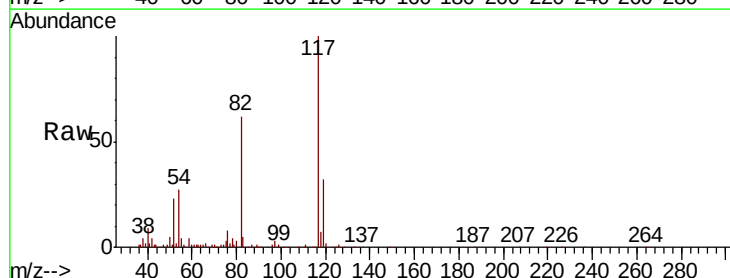
RT: 9.90 min Scan# 940

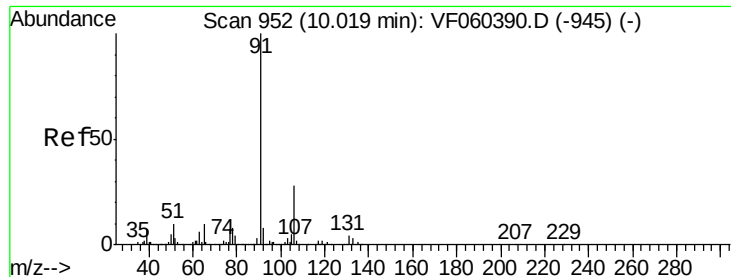
Delta R.T. 0.01 min

Lab File: VF060431.D

Acq: 3 Oct 2018 22:52

Tgt Ion:	117	Resp:	257370
Ion Ratio	Lower	Upper	
117	100		
82	61.9	49.5	74.3
119	32.4	27.0	40.6





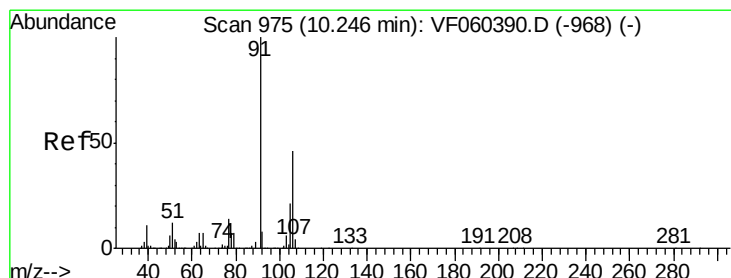
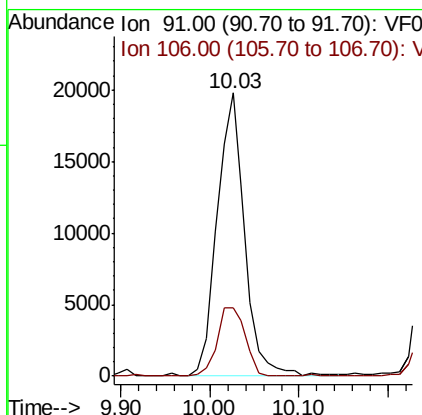
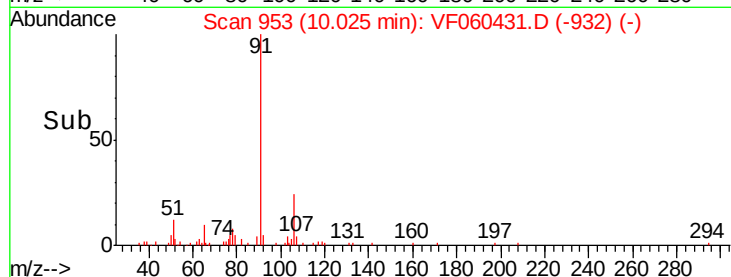
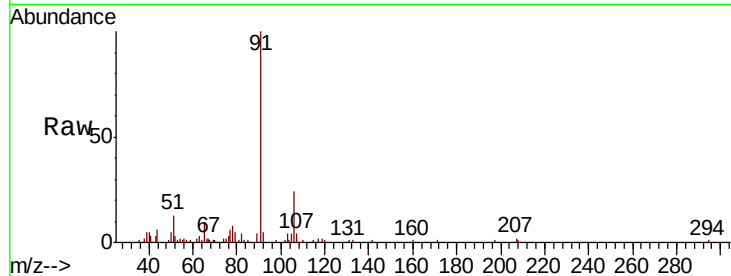
#67
Ethyl Benzene
Concen: 4.252 ug/l
RT: 10.03 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-B

Tot Ion: 91 Resp: 42740
Ion Ratio Lower Upper
91 100
106 24.0 22.5 33.7

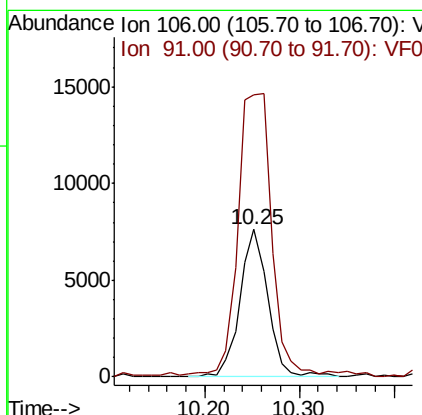
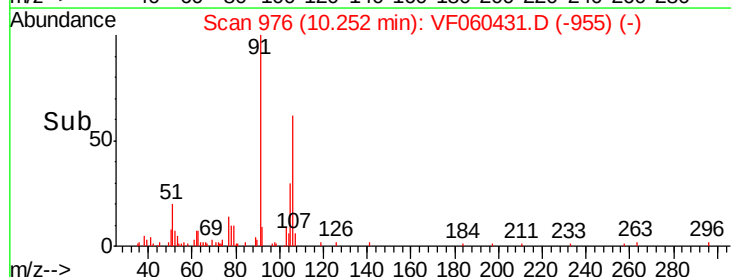
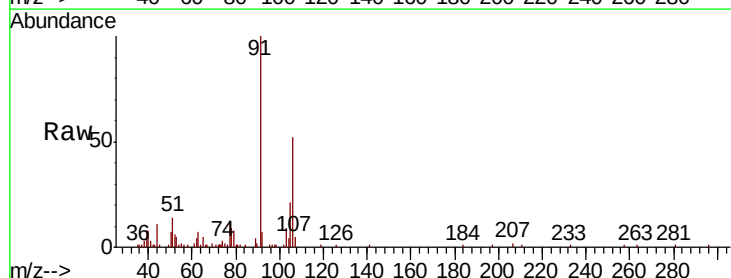
Manual Integrations
APPROVED

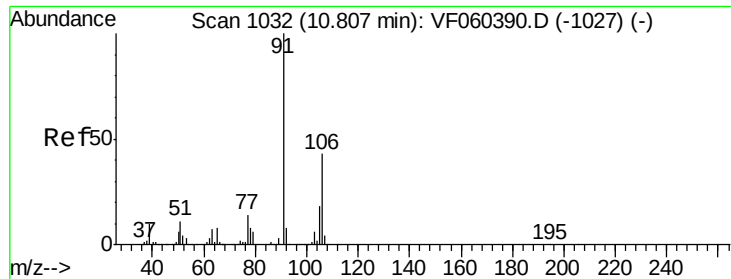
apatel
10/4/2018 2:07:10 PM



#68
m/p-Xylenes
Concen: 4.547 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 106 Resp: 15714
Ion Ratio Lower Upper
106 100
91 191.8 175.0 262.6





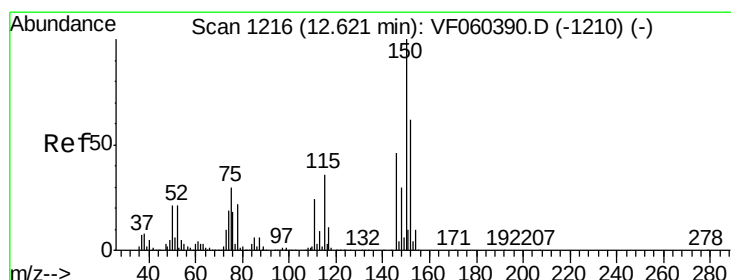
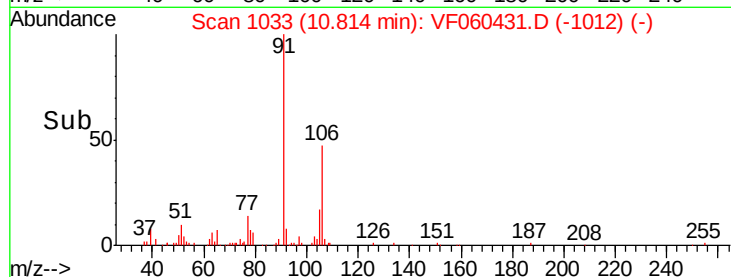
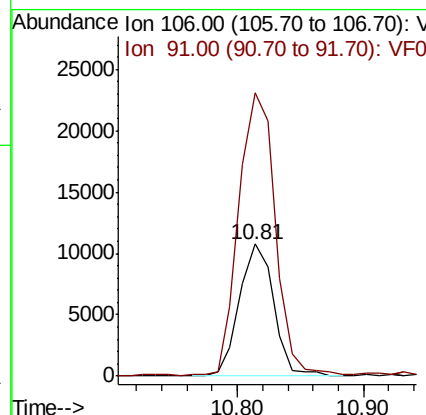
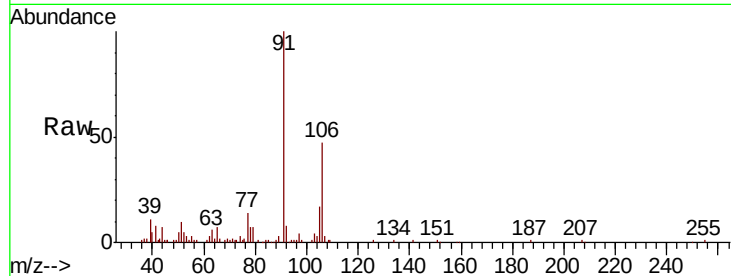
#69
o-Xylene
Concen: 5.391 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-B

Tot Ion:106 Resp: 20308
Ion Ratio Lower Upper
106 100
91 214.2 115.1 345.2

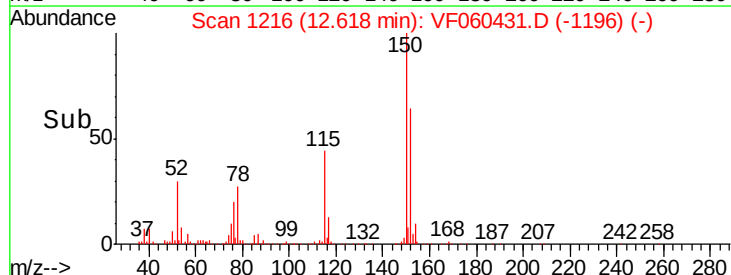
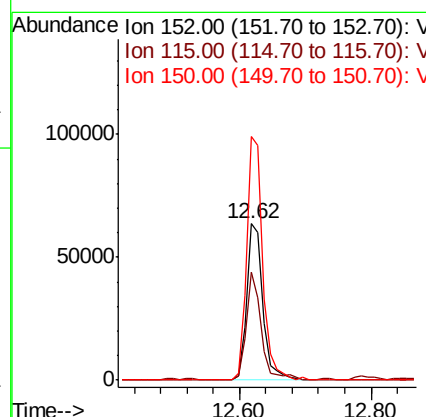
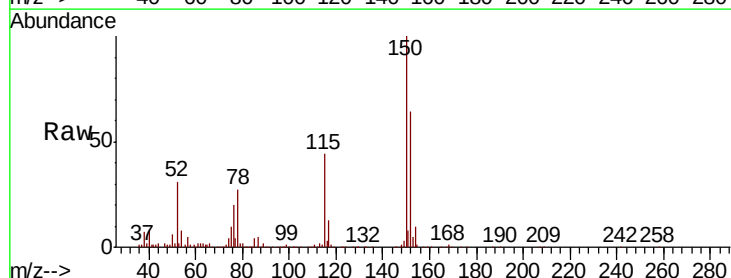
Manual Integrations
APPROVED

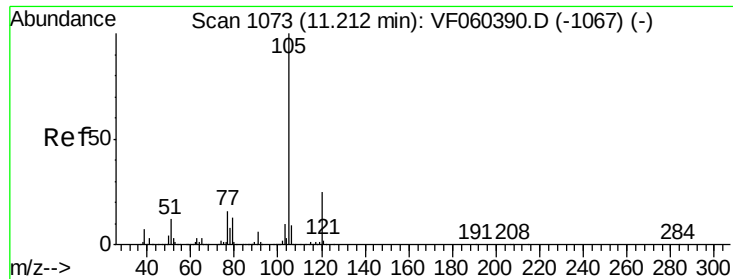
apatel
10/4/2018 2:07:10 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion:152 Resp: 110077
Ion Ratio Lower Upper
152 100
115 69.2 28.6 85.8
150 156.0 0.0 324.6





#73

Isopropylbenzene

Concen: 3.194 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VF060431.D

Acq: 3 Oct 2018 22:52

Instrument :

MSVOA_F

ClientSampleId :

CL-01-100218-B

Tot Ion:105 Resp: 27682

Ion Ratio Lower Upper

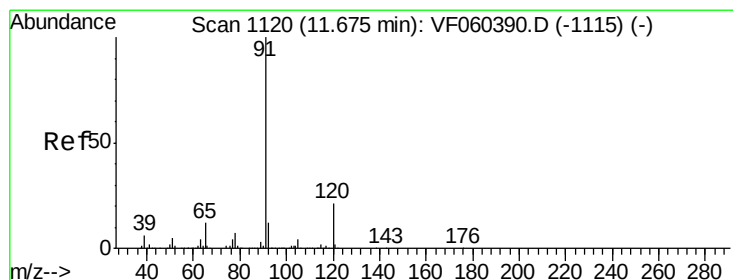
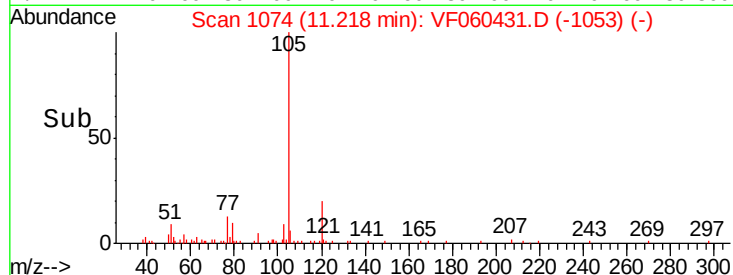
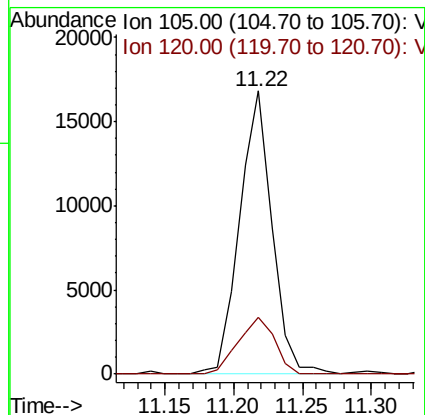
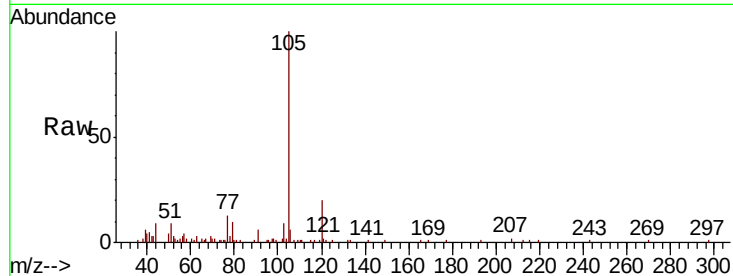
105 100

120 20.2 12.3 36.9

Manual Integrations
APPROVED

apatel

10/4/2018 2:07:10 PM



#78

n-propylbenzene

Concen: 2.341 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF060431.D

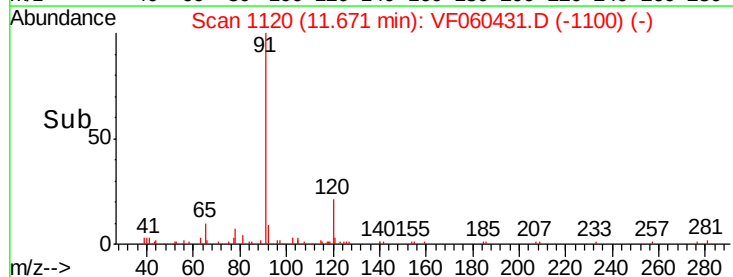
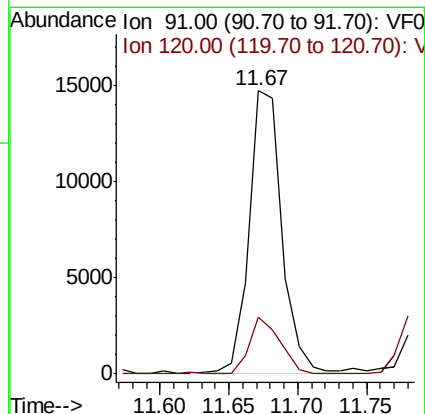
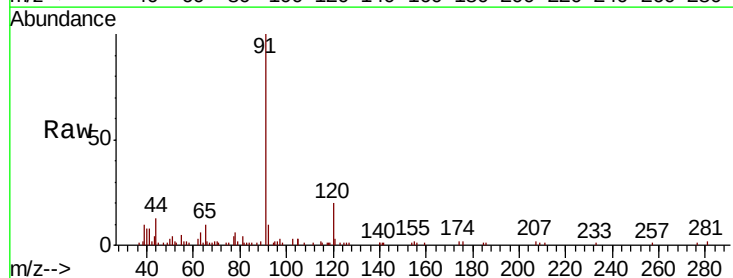
Acq: 3 Oct 2018 22:52

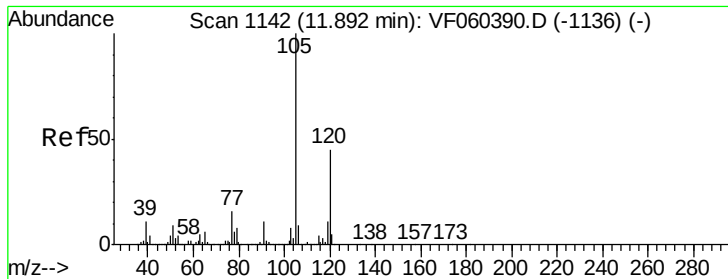
Tgt Ion: 91 Resp: 24596

Ion Ratio Lower Upper

91 100

120 20.1 10.5 31.6





#80

1,3,5-Trimethylbenzene

Concen: 3.944 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060431.D

Acq: 3 Oct 2018 22:52

Instrument :

MSVOA_F

ClientSampleId :

CL-01-100218-B

Tot Ion:105 Resp: 29041

Ion Ratio Lower Upper

105 100

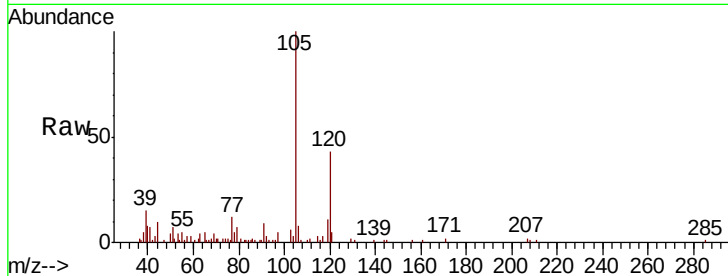
120 43.0 22.3 66.9

Manual Integrations

APPROVED

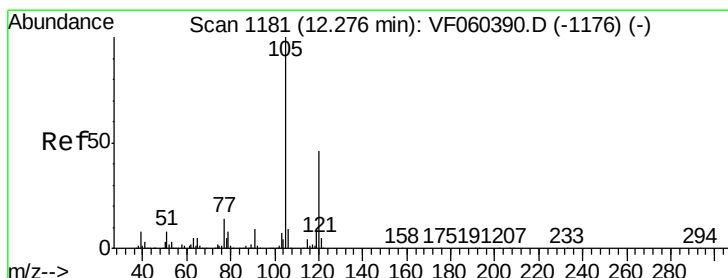
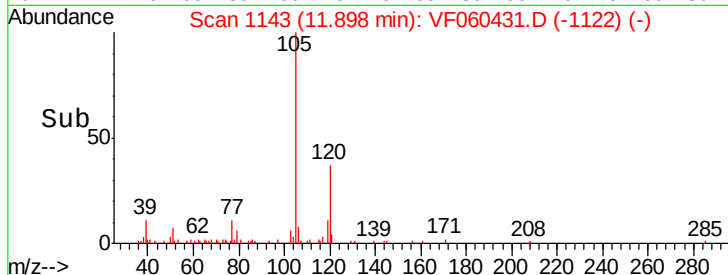
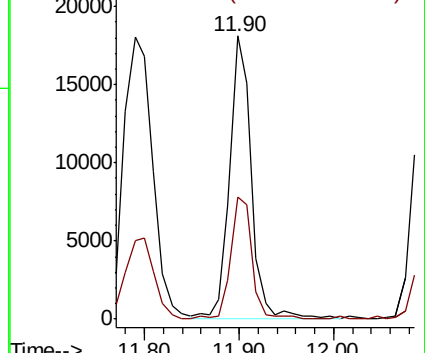
apatel

10/4/2018 2:07:10 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 7.244 ug/l

RT: 12.27 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VF060431.D

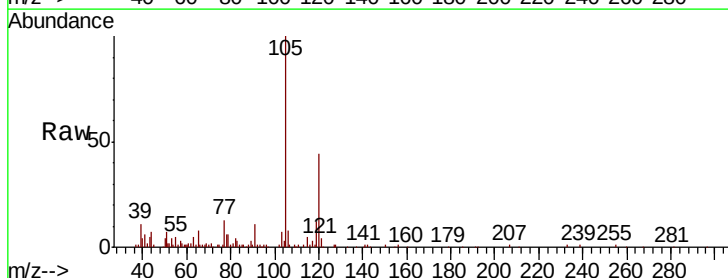
Acq: 3 Oct 2018 22:52

Tgt Ion:105 Resp: 52903

Ion Ratio Lower Upper

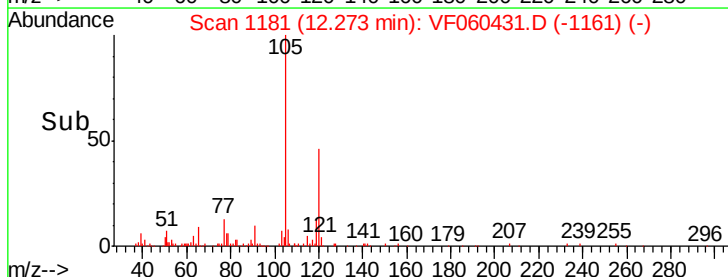
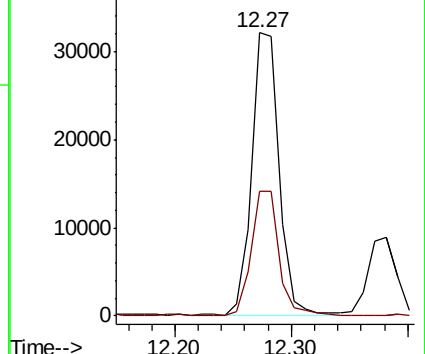
105 100

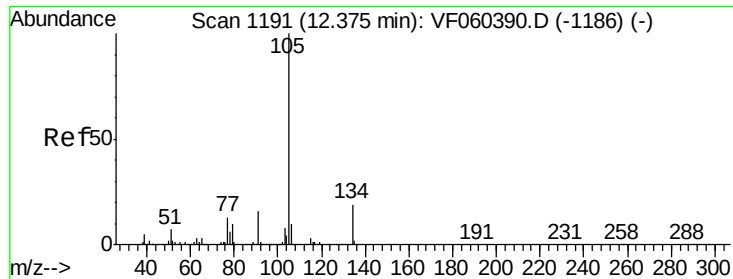
120 43.9 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.539 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. 0.01 min

Lab File: VF060431.D

Acq: 3 Oct 2018 22:52

Instrument :

MSVOA_F

ClientSampleId :

CL-01-100218-B

Tot Ion:105 Resp: 15427

Ion Ratio Lower Upper

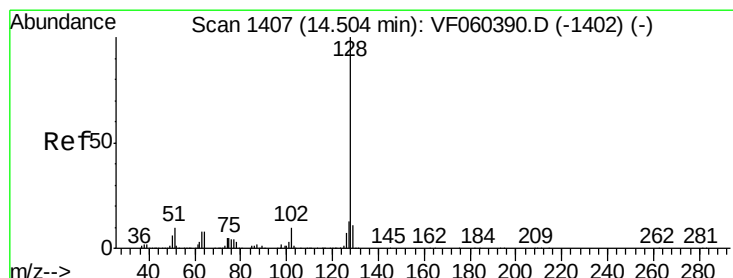
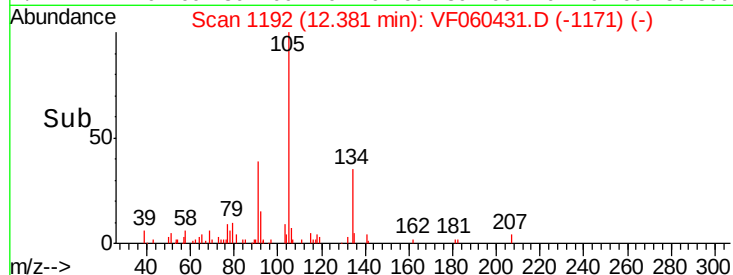
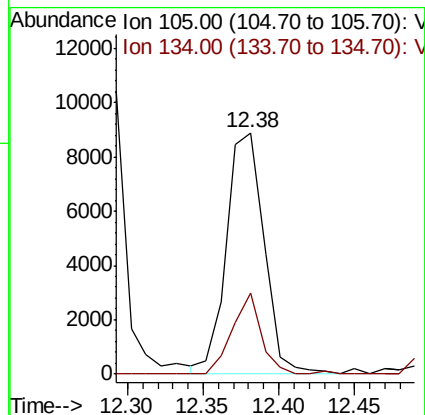
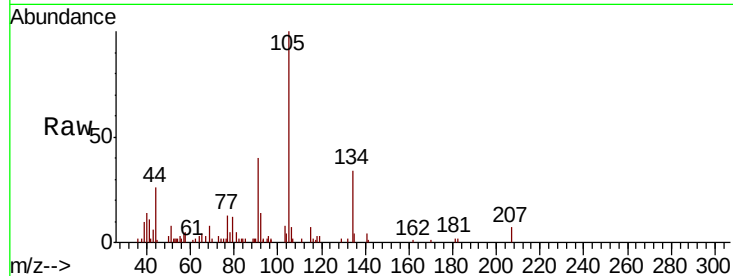
105 100

134 33.6 9.4 28.3#

Manual Integrations
APPROVED

apatel

10/4/2018 2:07:10 PM



#95

Naphthalene

Concen: 2.909 ug/l

RT: 14.51 min Scan# 1408

Delta R.T. 0.01 min

Lab File: VF060431.D

Acq: 3 Oct 2018 22:52

Tgt Ion:128 Resp: 13578

Ion Ratio Lower Upper

128 100

127 16.8 10.0 15.0#

129 9.0 8.7 13.1

