

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060929.D
 Acq On : 6 Dec 2018 20:58
 Operator : VA/AP
 Sample : J6214-25
 Misc : 4.67g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-3-(12.5-14.5)

Manual Integrations
 APPROVED

apatel
 12/7/2018 12:09:19 PM

Quant Time: Dec 07 00:41:41 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	106777	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	176514	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	147878	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	49130	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	55703	44.28	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	88.56%	
35) Dibromofluoromethane	4.11	113	65470	46.75	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	93.50%	
50) Toluene-d8	7.55	98	146020	35.40	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	70.80%	
62) 4-Bromofluorobenzene	11.41	95	56924	30.36	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	60.72%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	2.24	84	4322m	5.079	ug/l	
40) Benzene	4.63	78	15670	3.623	ug/l	99
52) Toluene	7.62	92	4125	1.358	ug/l	84
70) Styrene	10.79	104	9279	3.151	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	3512	1.114	ug/l	79
84) 1,2,4-Trimethylbenzene	12.21	105	4690	1.491	ug/l	86
95) Naphthalene	14.46	128	213212	106.488	ug/l	97

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

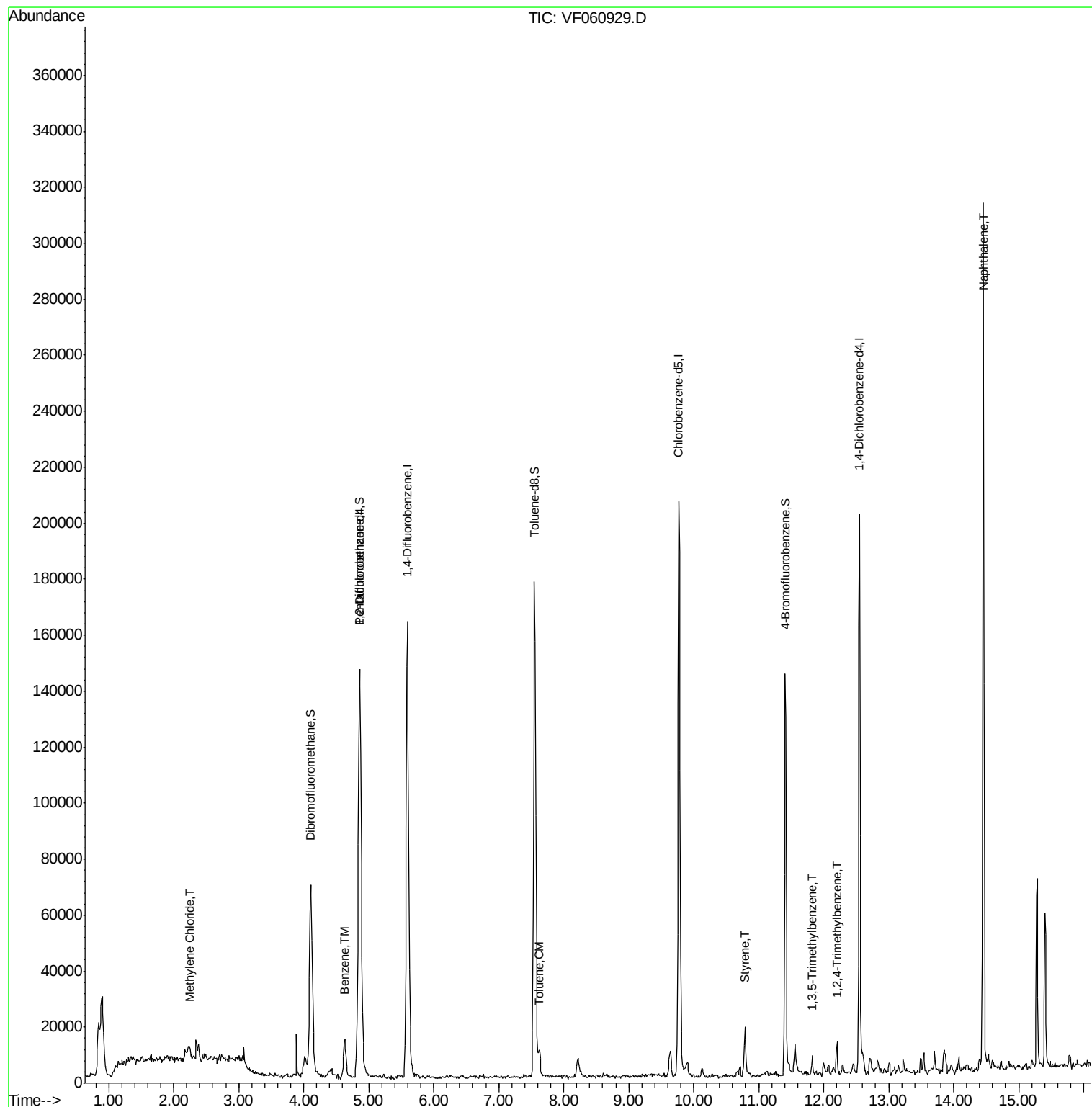
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120618\
Data File : VF060929.D
Acq On : 6 Dec 2018 20:58
Operator : VA/AP
Sample : J6214-25
Misc : 4.67g/5mL/MSVOA-F/SOIL
ALS Vial : 20 Sample Multiplier: 1

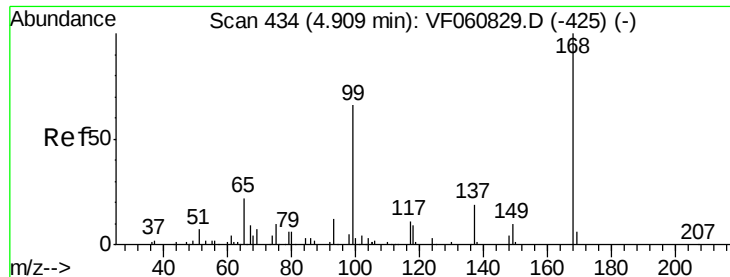
Instrument :
MSVOA_F
ClientSampleId :
SB-3-(12.5-14.5)

Manual Integrations
APPROVED

apatel
12/7/2018 12:09:19 PM

Quant Time: Dec 07 00:41:41 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: VF060929.D

Acq: 6 Dec 2018 20:58

Instrument :

MSVOA_F

ClientSampleId :

SB-3-(12.5-14.5)

Tot Ion:168 Resp: 106777

Ion Ratio Lower Upper

168 100

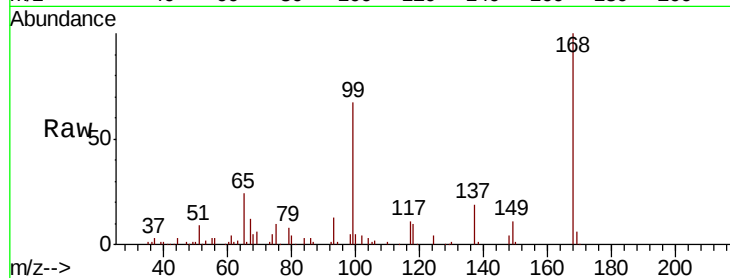
99 66.6 52.6 79.0

Manual Integrations

APPROVED

apatel

12/7/2018 12:09:19 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

30000

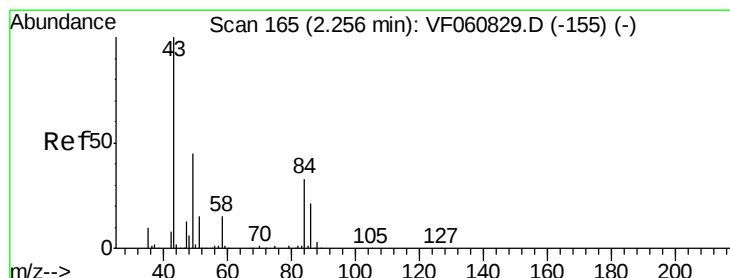
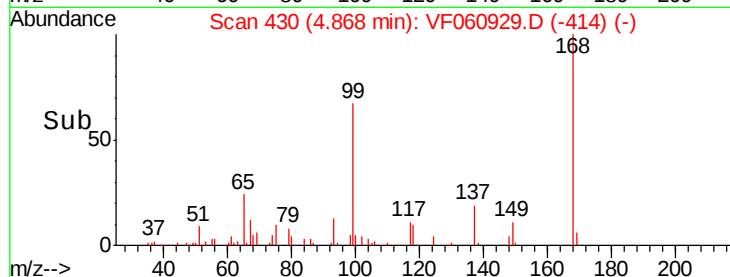
20000

10000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#20

Methylene Chloride

Concen: 5.079 ug/l m

RT: 2.24 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060929.D

Acq: 6 Dec 2018 20:58

Tgt Ion: 84 Resp: 4322

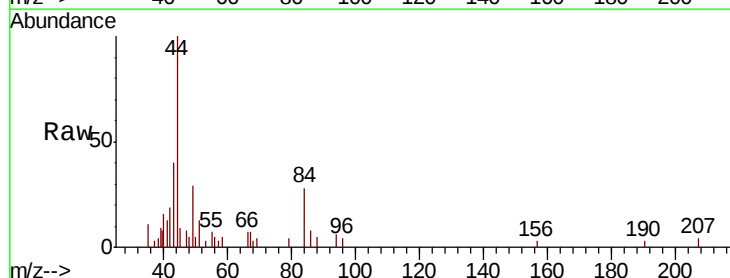
Ion Ratio Lower Upper

84 100

49 101.7 111.3 166.9#

51 45.5 38.0 57.0

86 28.6 49.8 74.8#



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

1500

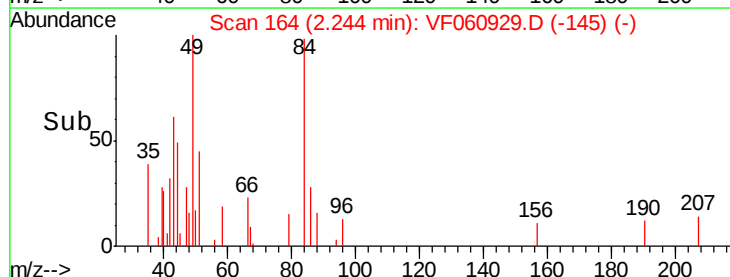
1000

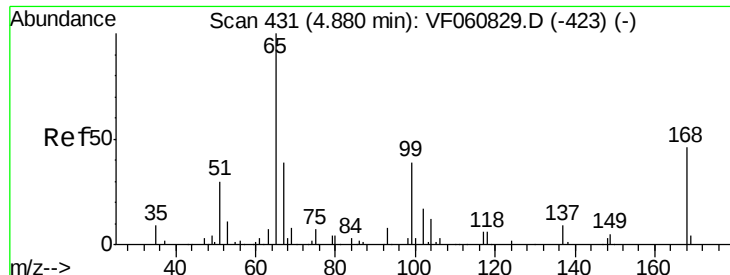
500

0

2.10 2.20 2.30

Time-->





#33

1,2-Dichloroethane-d4

Concen: 44.284 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF060929.D

Acq: 6 Dec 2018 20:58

Instrument :

MSVOA_F

ClientSampleId :

SB-3-(12.5-14.5)

Tot Ion: 65 Resp: 55703

Ion Ratio Lower Upper

65 100

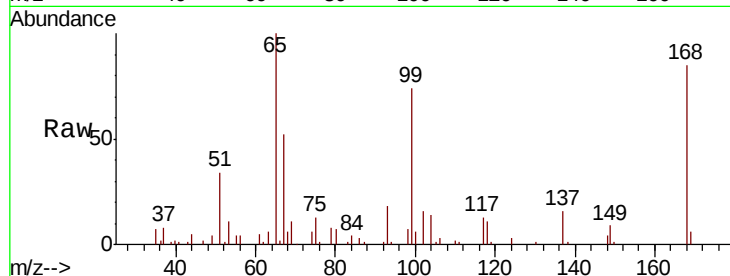
67 52.0 0.0 96.4

Manual Integrations

APPROVED

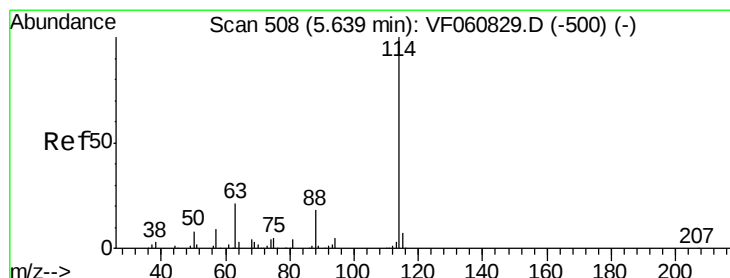
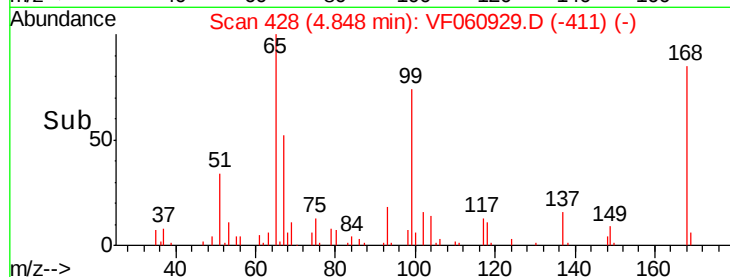
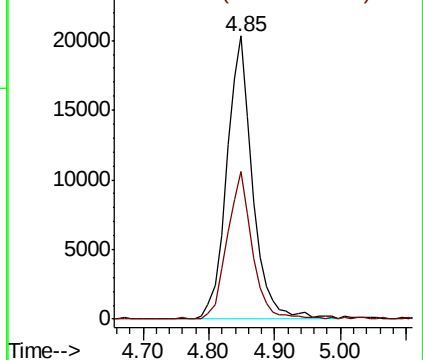
apatel

12/7/2018 12:09:19 PM



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.04 min

Lab File: VF060929.D

Acq: 6 Dec 2018 20:58

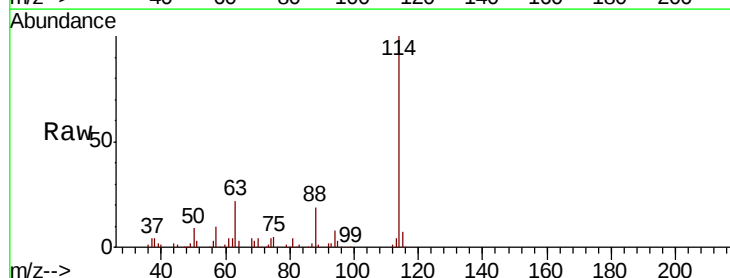
Tgt Ion: 114 Resp: 176514

Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.6

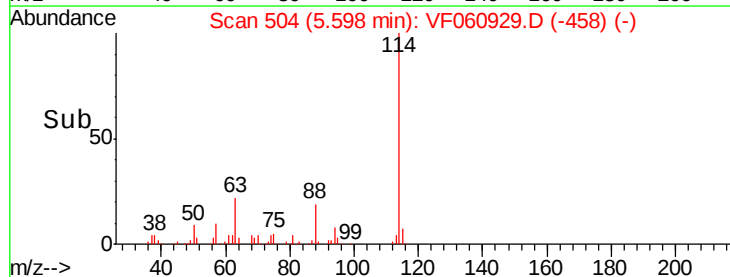
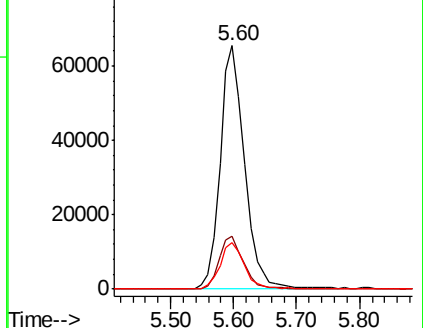
88 19.1 0.0 36.6

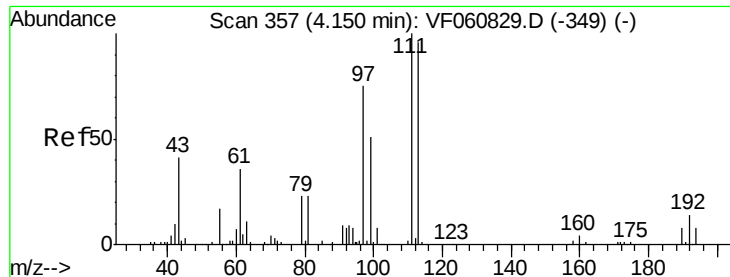


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





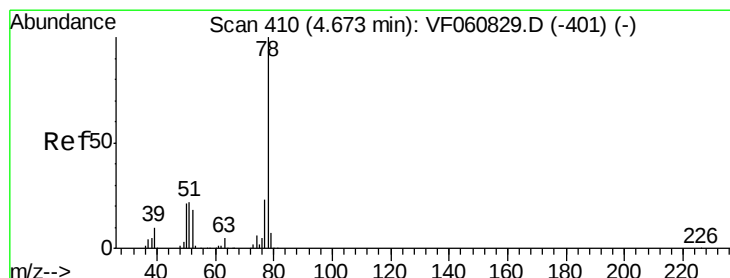
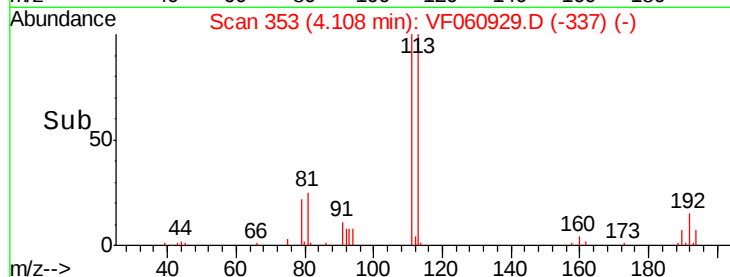
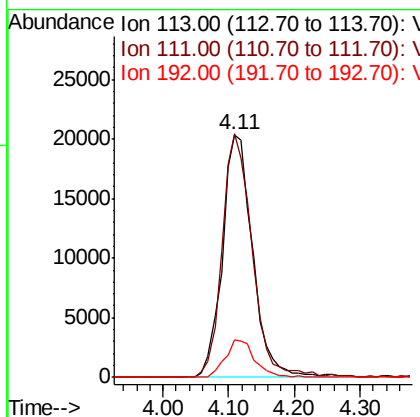
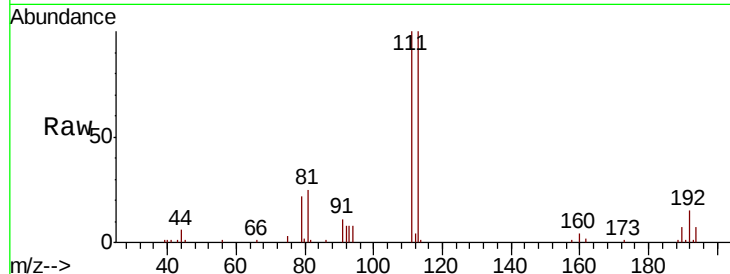
#35
Dibromofluoromethane
Concen: 46.753 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060929.D
Acq: 6 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :
SB-3-(12.5-14.5)

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	83.0	124.6
192	15.4	12.3	18.5

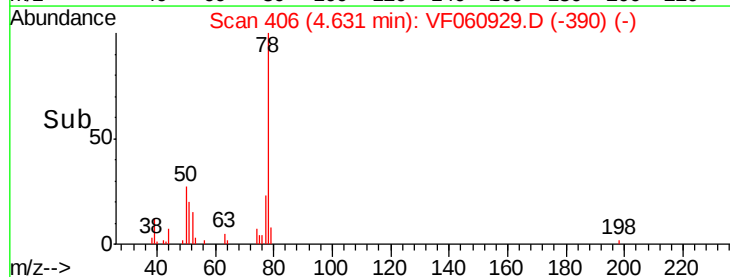
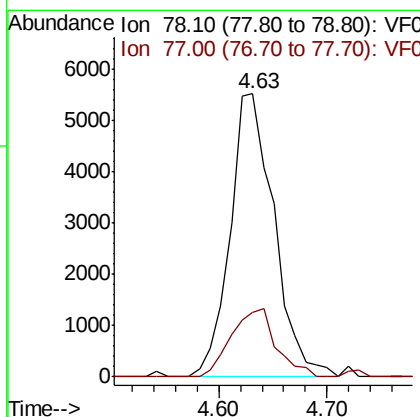
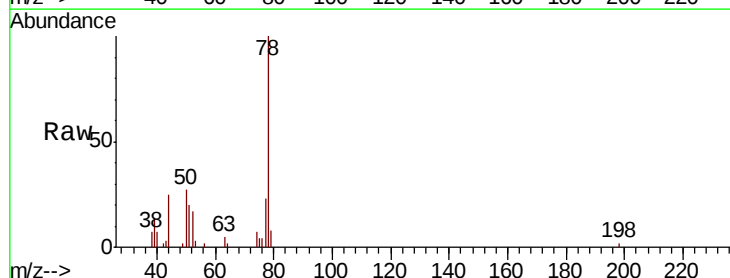
Manual Integrations
APPROVED

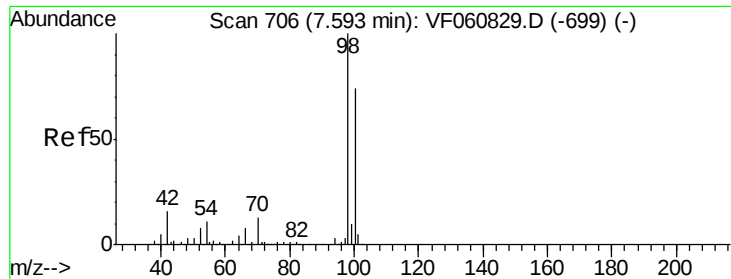
apatel
12/7/2018 12:09:19 PM



#40
Benzene
Concen: 3.623 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.04 min
Lab File: VF060929.D
Acq: 6 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.7	28.1





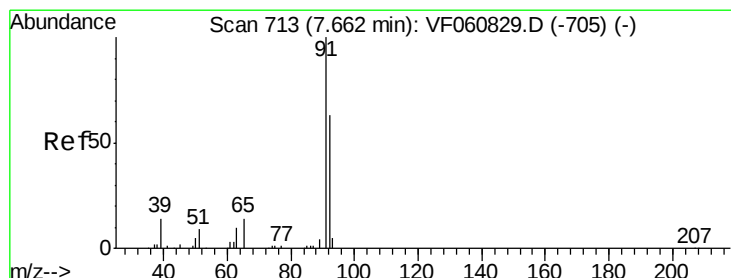
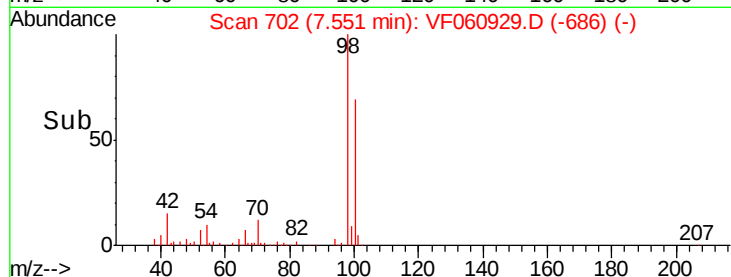
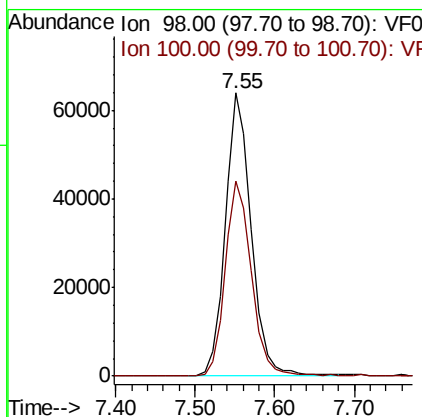
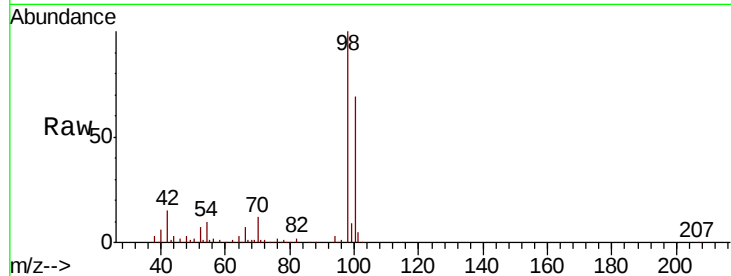
#50
Toluene-d8
Concen: 35.399 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF060929.D
Acq: 6 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :
SB-3-(12.5-14.5)

Tot Ion	98	Resp	146020
Ion Ratio	100	Lower	Upper
98	100		
100	68.9	59.3	88.9

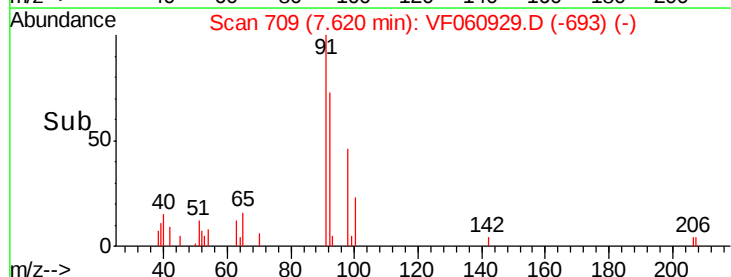
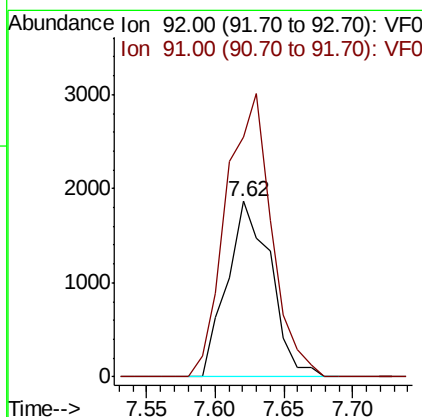
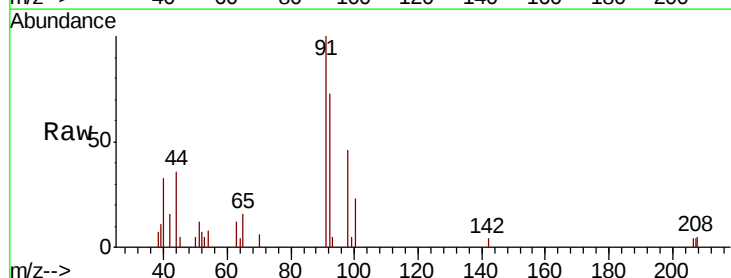
Manual Integrations
APPROVED

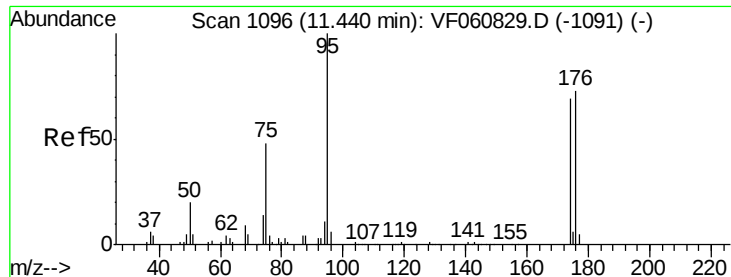
apatel
12/7/2018 12:09:19 PM



#52
Toluene
Concen: 1.358 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.04 min
Lab File: VF060929.D
Acq: 6 Dec 2018 20:58

Tgt Ion	92	Resp	4125
Ion Ratio	100	Lower	Upper
92	100		
91	136.9	126.2	189.2





#62

4-Bromofluorobenzene

Concen: 30.364 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060929.D

Acq: 6 Dec 2018 20:58

Instrument :

MSVOA_F

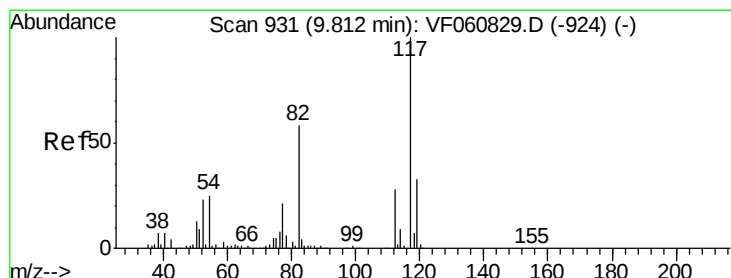
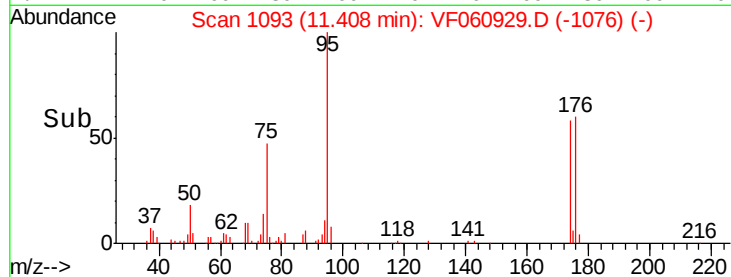
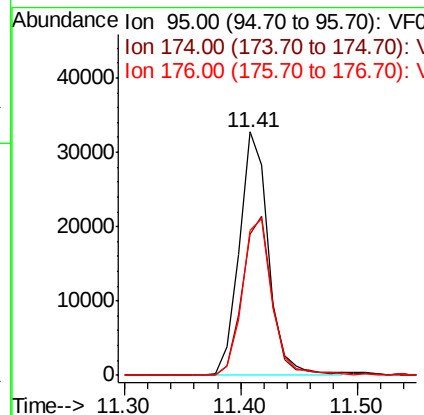
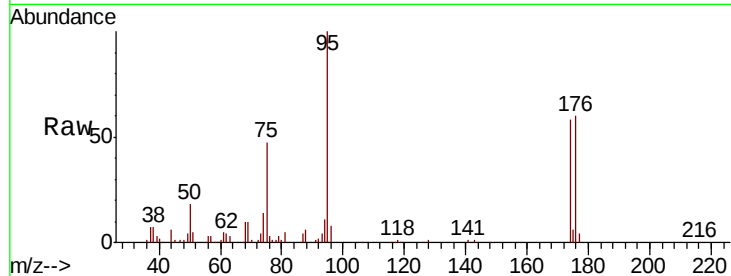
ClientSampleId :

SB-3-(12.5-14.5)

Tot Ion:	95	Resp:	56924
Ion	Ratio	Lower	Upper
95	100		
174	57.9	0.0	138.2
176	59.6	0.0	146.2

Manual Integrations
APPROVED

apatel
12/7/2018 12:09:19 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

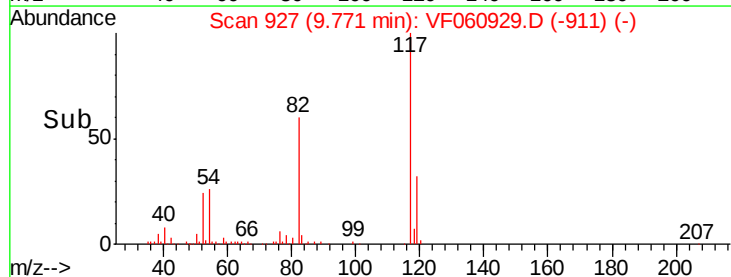
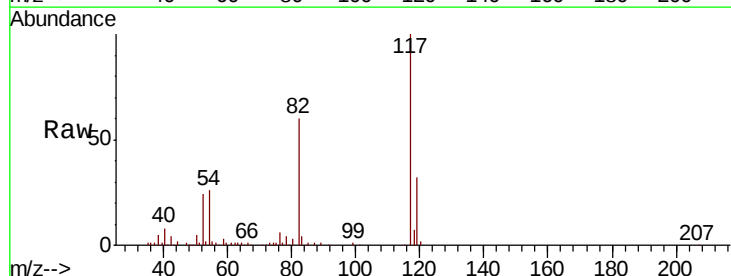
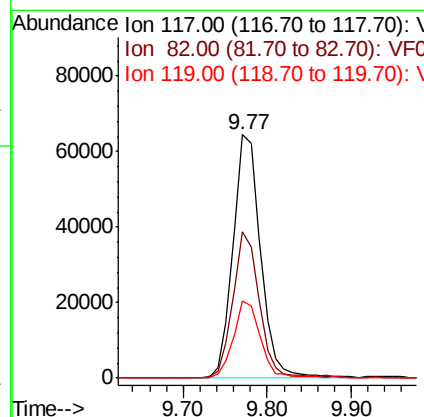
RT: 9.77 min Scan# 927

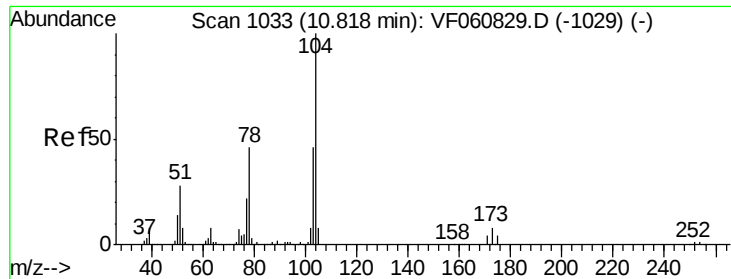
Delta R.T. -0.04 min

Lab File: VF060929.D

Acq: 6 Dec 2018 20:58

Tgt Ion:	117	Resp:	147878
Ion	Ratio	Lower	Upper
117	100		
82	59.9	46.6	69.8
119	31.8	26.4	39.6





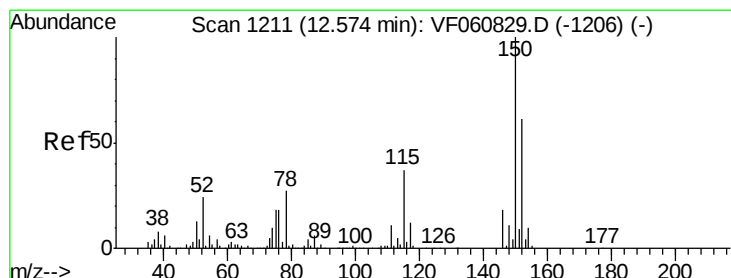
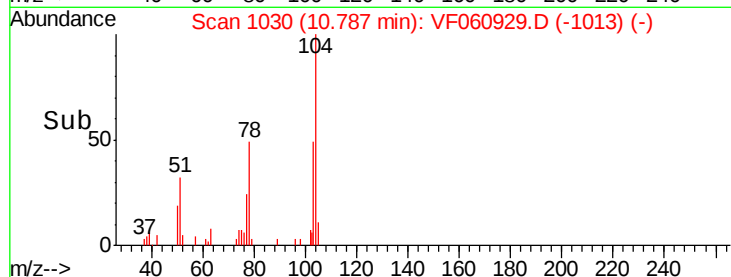
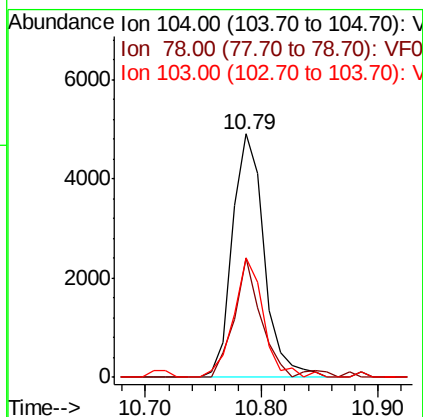
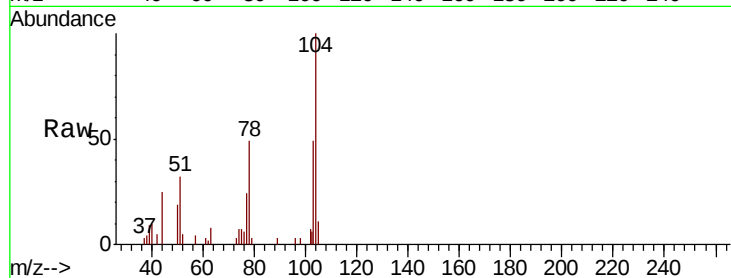
#70
Stvrene
Concen: 3.151 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF060929.D
Acq: 6 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :
SB-3-(12.5-14.5)

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.3	37.3	55.9
103	49.3	36.8	55.2

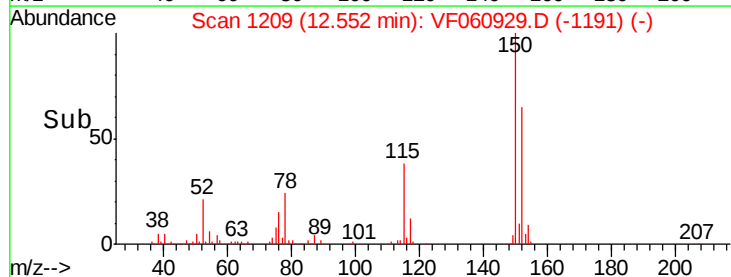
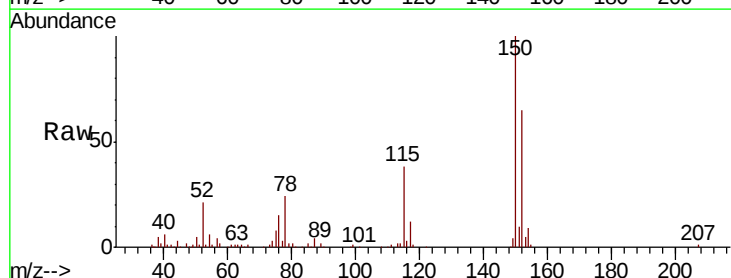
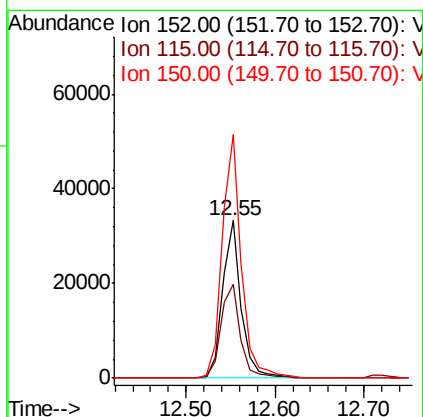
Manual Integrations
APPROVED

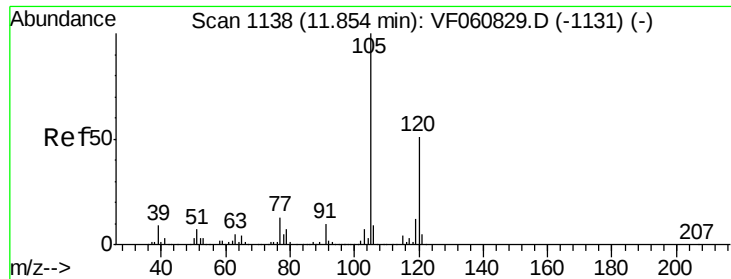
apatel
12/7/2018 12:09:19 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060929.D
Acq: 6 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.1	90.5
150	154.3	0.0	327.6





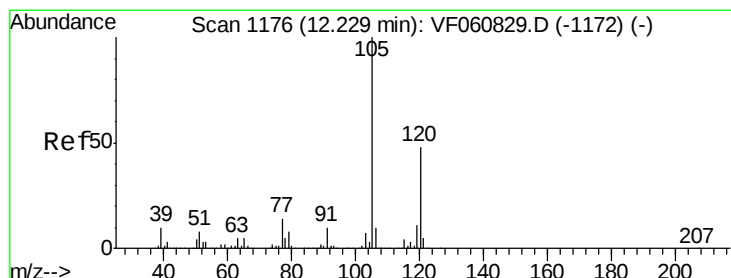
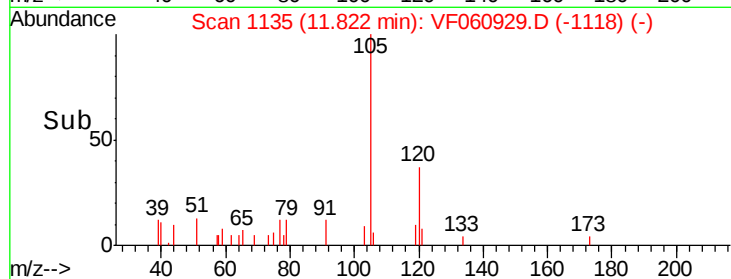
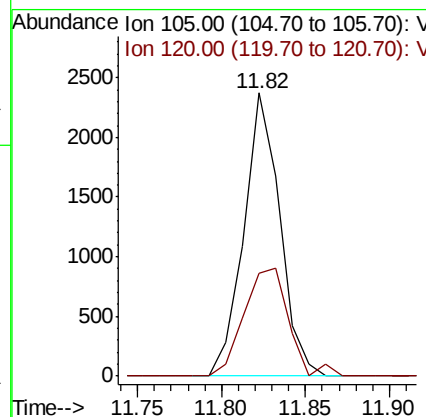
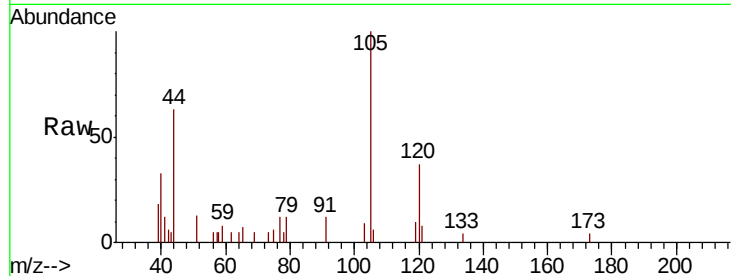
#80
 1,3,5-Trimethylbenzene
 Concen: 1.114 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.03 min
 Lab File: VF060929.D
 Acq: 6 Dec 2018 20:58

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-3-(12.5-14.5)

Tot Ion	Ratio	Lower	Upper
105	100		
120	36.5	25.8	77.3

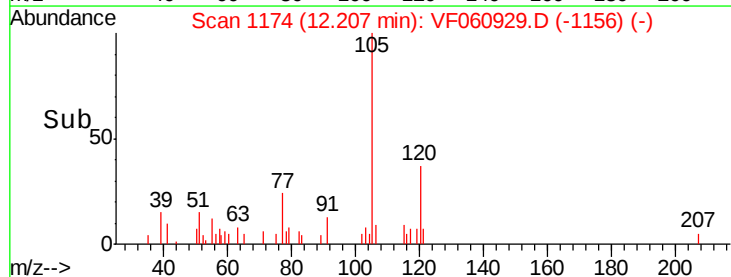
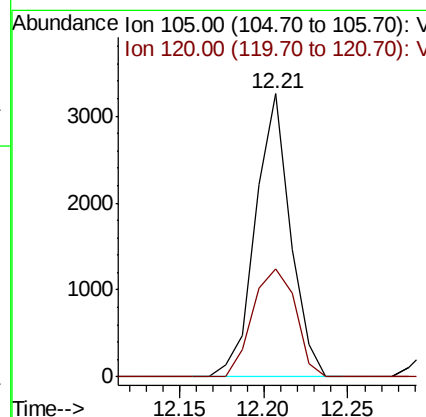
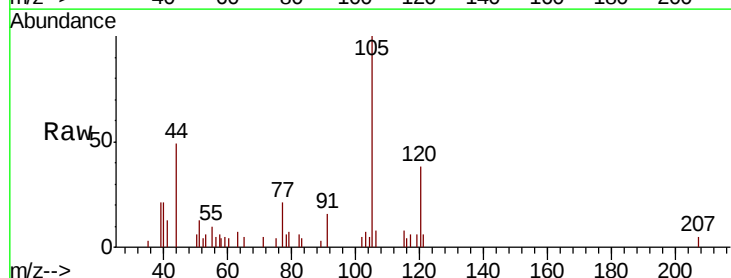
Manual Integrations
 APPROVED

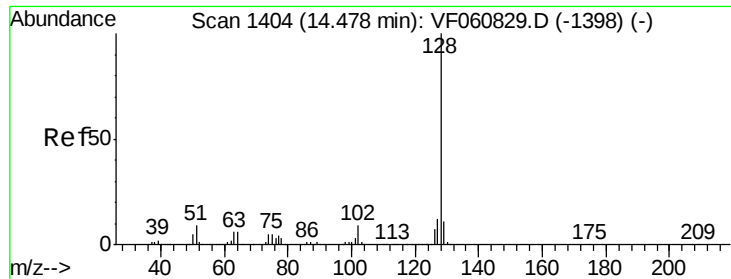
apatel
 12/7/2018 12:09:19 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 1.491 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VF060929.D
 Acq: 6 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	38.3	23.8	71.5





#95
Naphthalene
Concen: 106.488 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF060929.D
Acq: 6 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :
SB-3-(12.5-14.5)

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	11.2	9.9	14.9
129	10.4	9.1	13.7

Manual Integrations
APPROVED

apatel
12/7/2018 12:09:19 PM

