

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060878.D
 Acq On : 29 Nov 2018 20:39
 Operator : VA/AP
 Sample : J5765-05RE
 Misc : 8.7a/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-112918RE

Manual Integrations
 APPROVED

apatel
 12/3/2018 2:12:43 PM

Quant Time: Nov 30 06:39:23 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	4.88	168	180243	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	321314	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.79	117	256030	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	97396	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	103860	48.91	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.82%	
35) Dibromofluoromethane	4.12	113	116460	45.69	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	91.38%	
50) Toluene-d8	7.57	98	265717	35.39	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	70.78%	
62) 4-Bromofluorobenzene	11.41	95	113825	33.35	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	66.70%	
Target Compounds						
16) Acetone	2.25	43	15150	38.692	ug/l	Qvalue 100
20) Methylene Chloride	2.18	84	8188m	5.700	ug/l	
52) Toluene	7.64	92	20952	3.789	ug/l	88
68) m/p-Xylenes	10.14	106	3792	1.137	ug/l	85
78) n-propylbenzene	11.60	91	10188	1.130	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	15755	2.521	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	72616	11.645	ug/l	96
85) sec-Butylbenzene	12.31	105	11911	1.367	ug/l #	77
89) n-Butylbenzene	12.84	91	35301	4.779	ug/l #	74

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

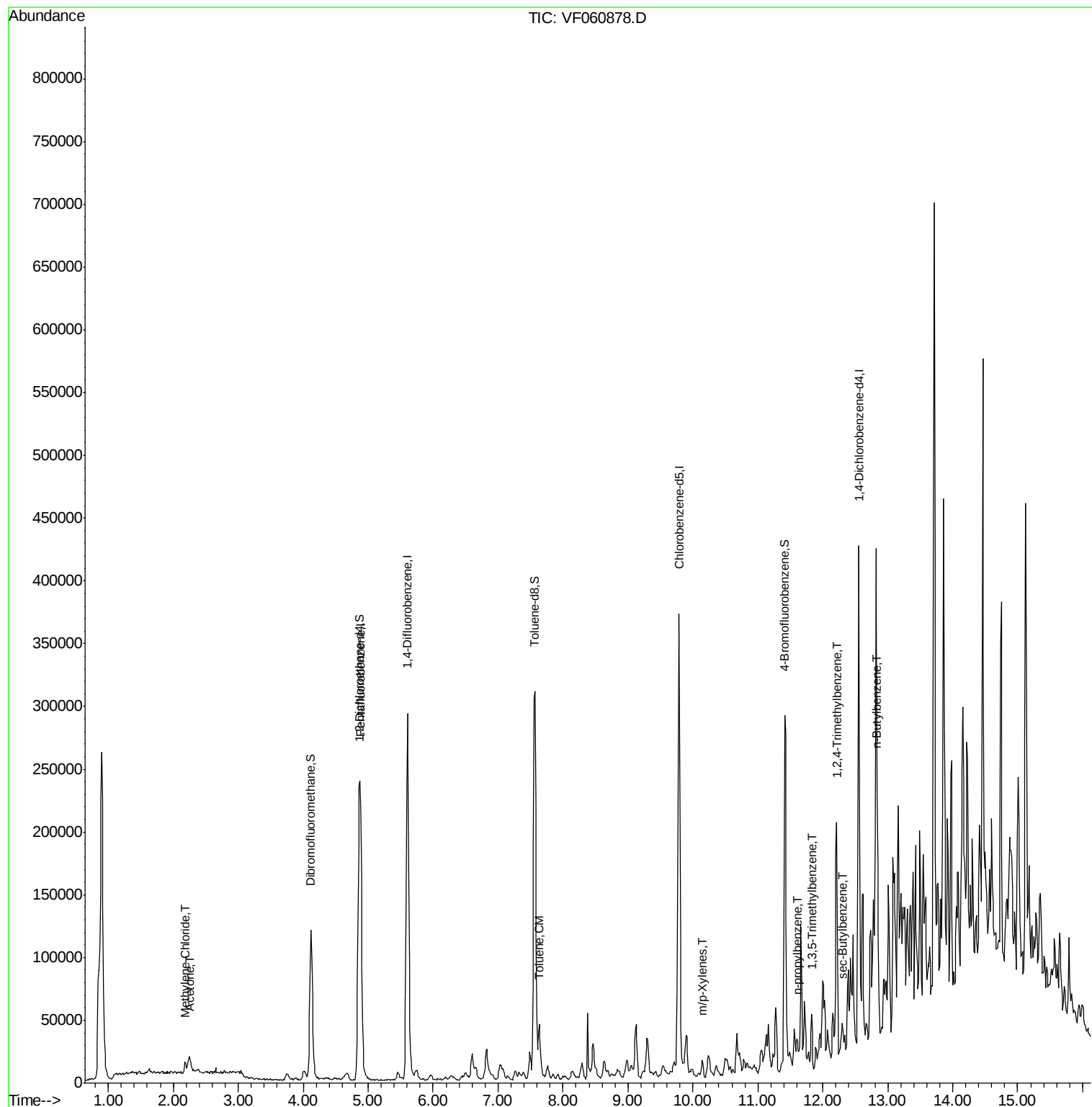
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112918\
Data File : VF060878.D
Acq On : 29 Nov 2018 20:39
Operator : VA/AP
Sample : J5765-05RE
Misc : 8.7g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

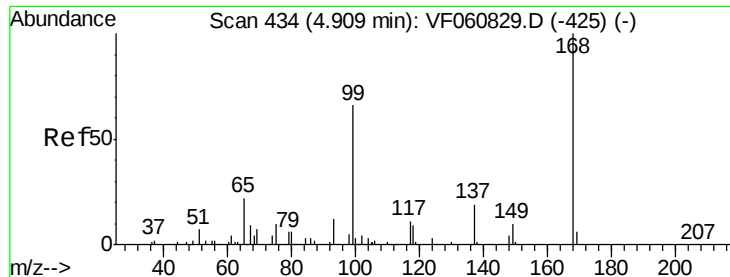
Instrument :
MSVOA_F
ClientSampleId :
NB-07-112918RE

Manual Integrations
APPROVED

apatel
12/3/2018 2:12:43 PM

Quant Time: Nov 30 06:39:23 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: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF060878.D

Acq: 29 Nov 2018 20:39

Instrument :

MSVOA_F

ClientSampleId :

NB-07-112918RE

Tot Ion:168 Resp: 180243

Ion Ratio Lower Upper

168 100

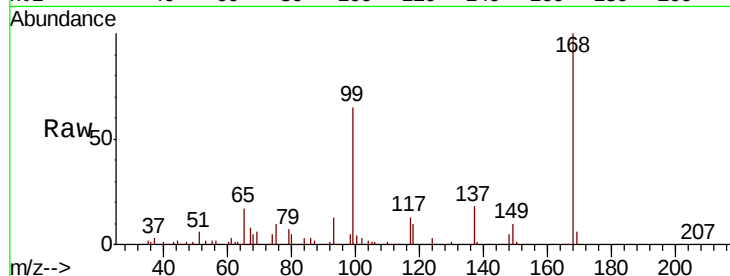
99 64.8 52.6 79.0

Manual Integrations

APPROVED

apatel

12/3/2018 2:12:43 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

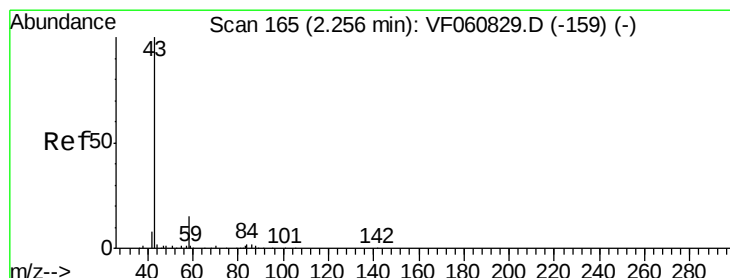
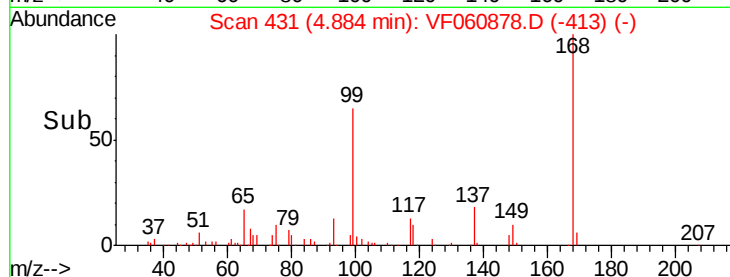
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 38.692 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060878.D

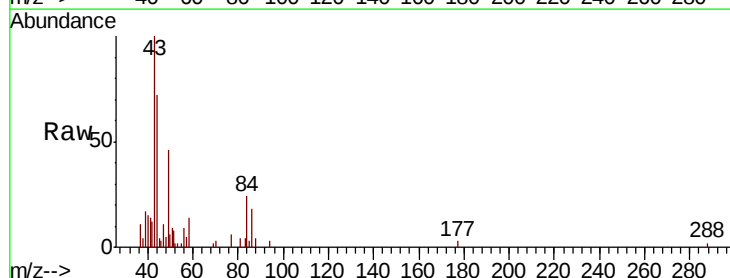
Acq: 29 Nov 2018 20:39

Tgt Ion: 43 Resp: 15150

Ion Ratio Lower Upper

43 100

58 14.4 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.25

5000

4000

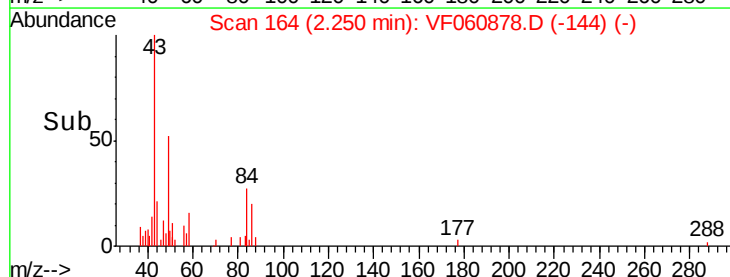
3000

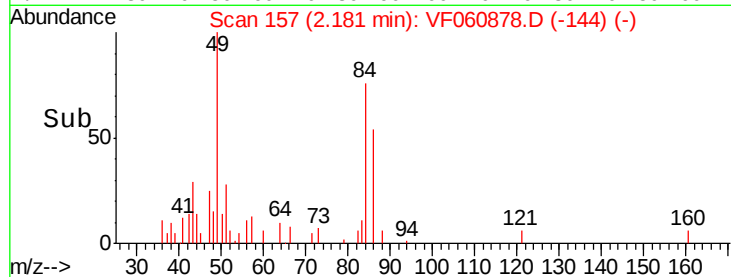
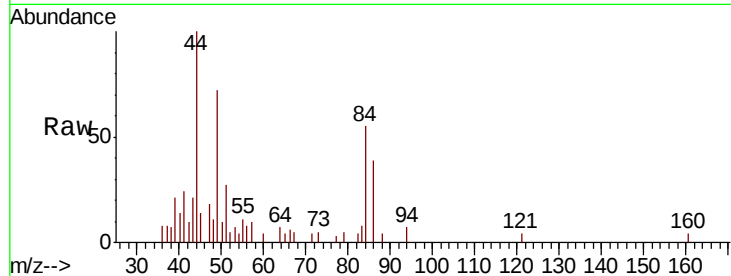
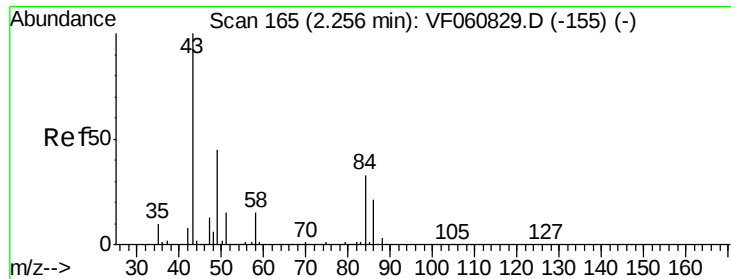
2000

1000

0

Time-->





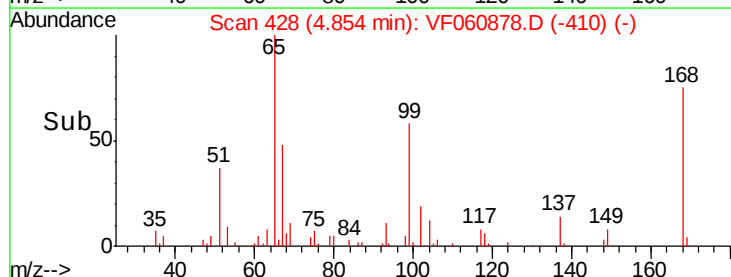
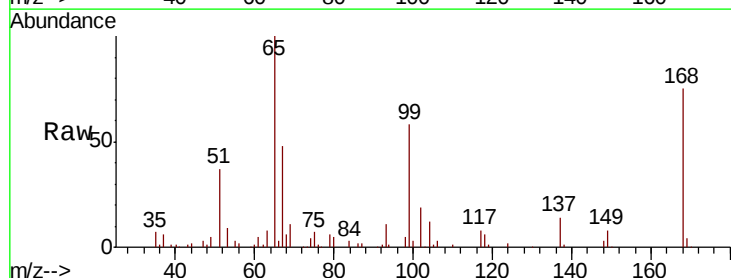
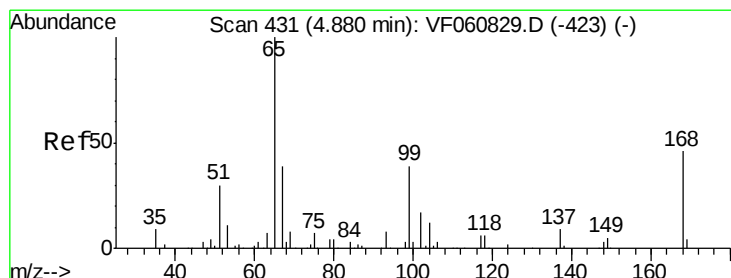
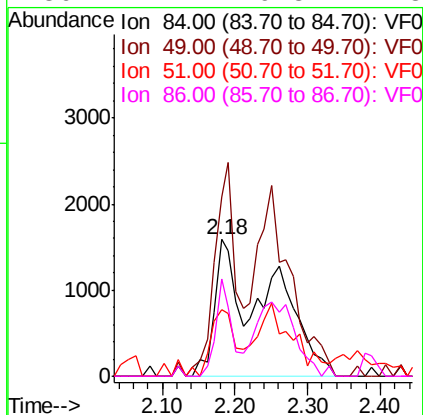
#20
Methvlene Chloride
Concen: 5.700 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.07 min
Lab File: VF060878.D
Acq: 29 Nov 2018 20:39

Tot Ion:	84	Resp:	8188
Ion	Ratio	Lower	Upper
84	100		
49	131.1	111.3	166.9
51	49.0	38.0	57.0
86	71.1	49.8	74.8

Instrument :
MSVOA_F
ClientSampleId :
NB-07-112918RE

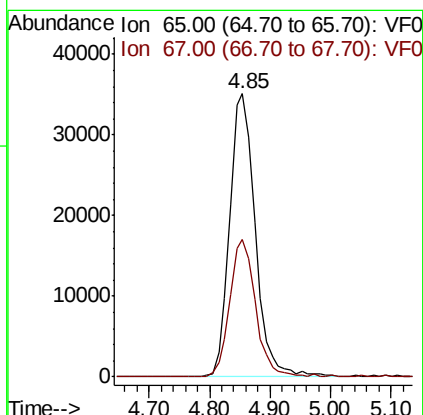
Manual Integrations
APPROVED

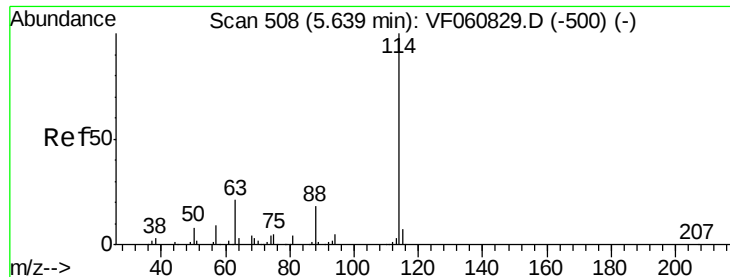
apatel
12/3/2018 2:12:43 PM



#33
1,2-Dichloroethane-d4
Concen: 48.914 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.03 min
Lab File: VF060878.D
Acq: 29 Nov 2018 20:39

Tgt Ion:	65	Resp:	103860
Ion	Ratio	Lower	Upper
65	100		
67	48.4	0.0	96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.04 min

Lab File: VF060878.D

Acq: 29 Nov 2018 20:39

Instrument :

MSVOA_F

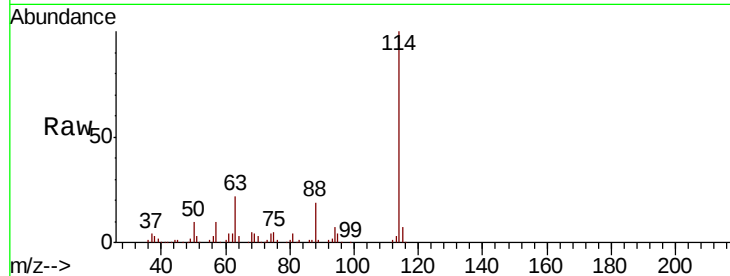
ClientSampleId :

NB-07-112918RE

Tot Ion:	114	Resp:	321314
Ion Ratio		Lower	Upper
114	100		
63	21.9	0.0	41.6
88	19.0	0.0	36.6

Manual Integrations
APPROVED

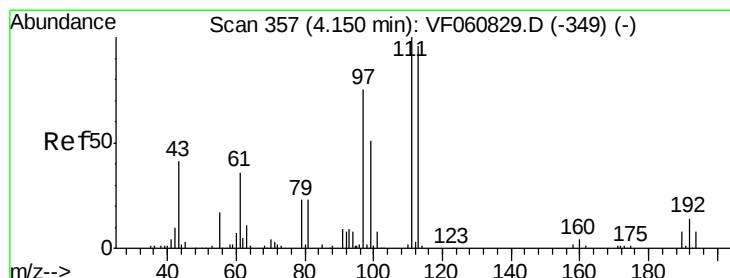
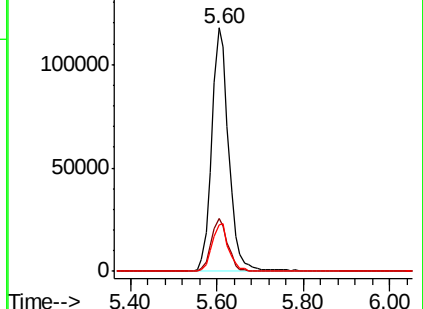
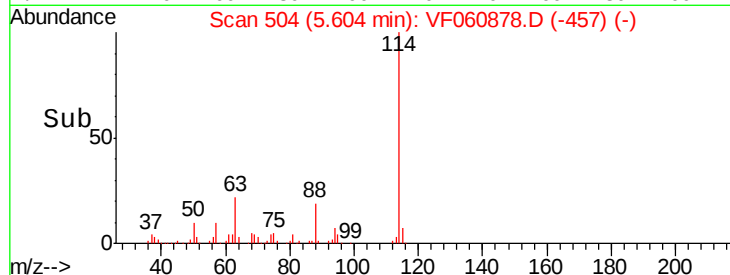
apatel
12/3/2018 2:12:43 PM



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: 45.687 ug/l

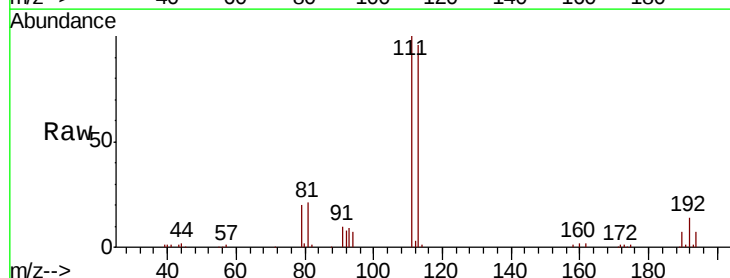
RT: 4.12 min Scan# 354

Delta R.T. -0.03 min

Lab File: VF060878.D

Acq: 29 Nov 2018 20:39

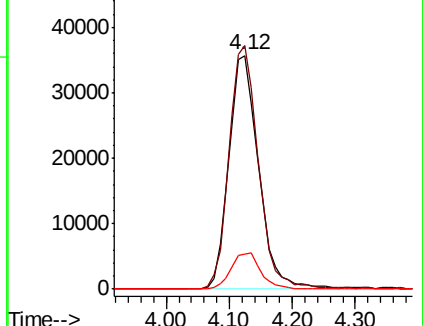
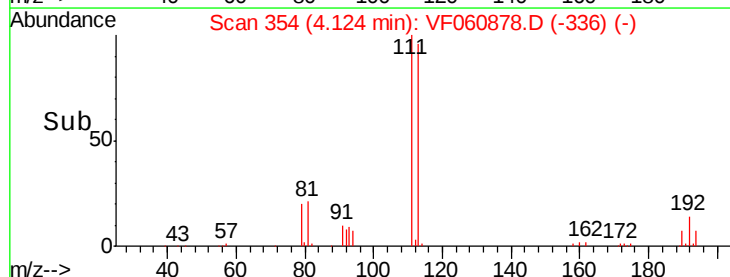
Tgt Ion:	113	Resp:	116460
Ion Ratio		Lower	Upper
113	100		
111	104.1	83.0	124.6
192	14.9	12.3	18.5

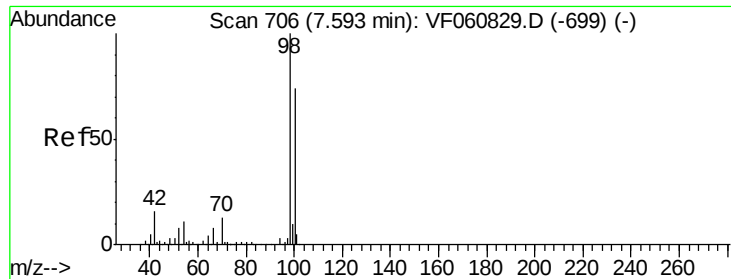


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 35.387 ug/l

RT: 7.57 min Scan# 703

Delta R.T. -0.03 min

Lab File: VF060878.D

Acq: 29 Nov 2018 20:39

Instrument :

MSVOA_F

ClientSampleId :

NB-07-112918RE

Tot Ion: 98 Resp: 265717

Ion Ratio Lower Upper

98 100

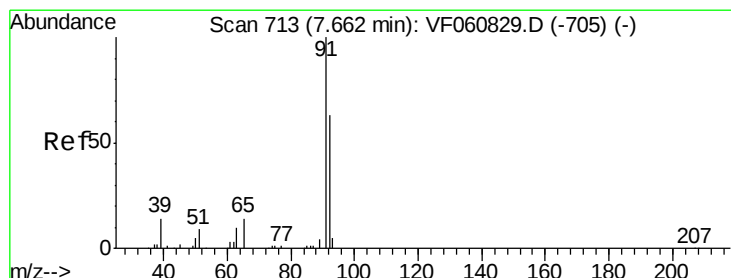
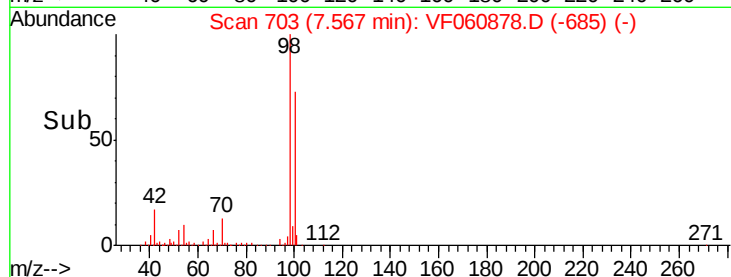
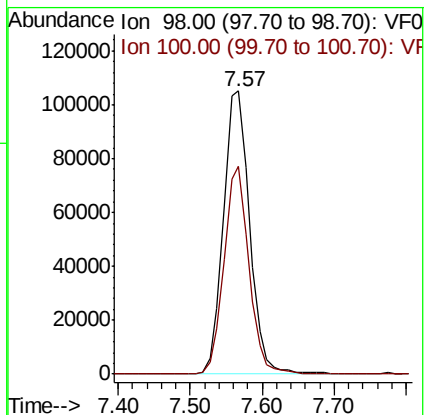
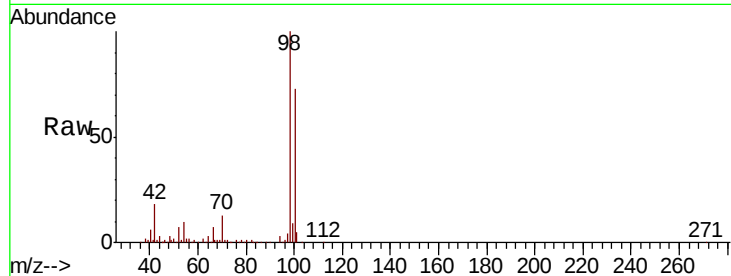
100 73.4 59.3 88.9

Manual Integrations

APPROVED

apatel

12/3/2018 2:12:43 PM



#52

Toluene

Concen: 3.789 ug/l

RT: 7.64 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF060878.D

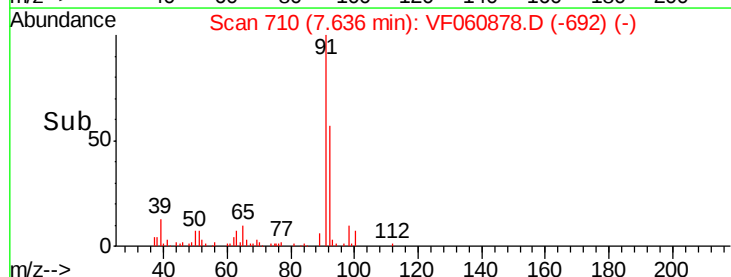
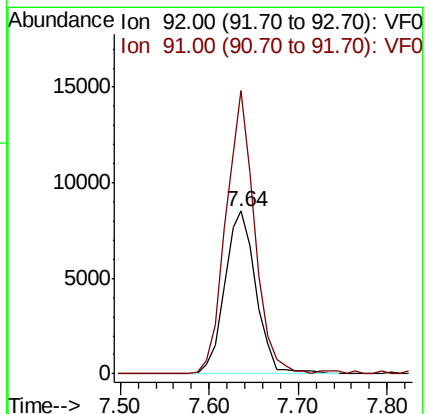
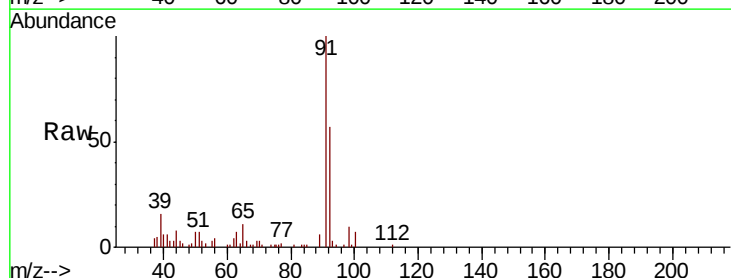
Acq: 29 Nov 2018 20:39

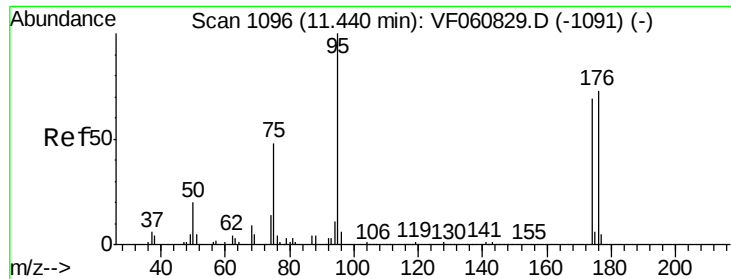
Tgt Ion: 92 Resp: 20952

Ion Ratio Lower Upper

92 100

91 174.0 126.2 189.2





#62

4-Bromofluorobenzene

Concen: 33.354 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060878.D

Acq: 29 Nov 2018 20:39

Instrument :

MSVOA_F

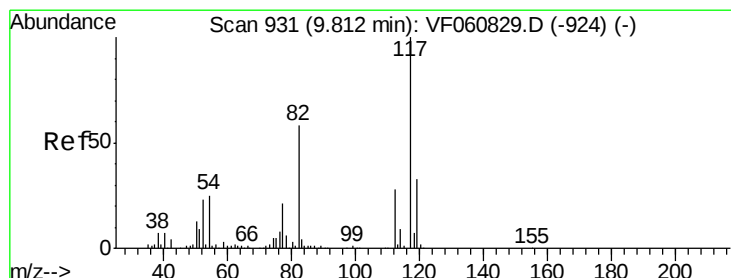
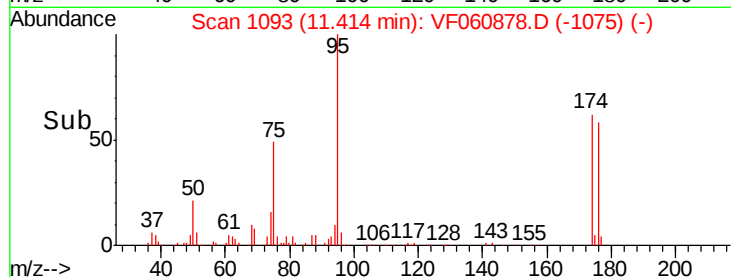
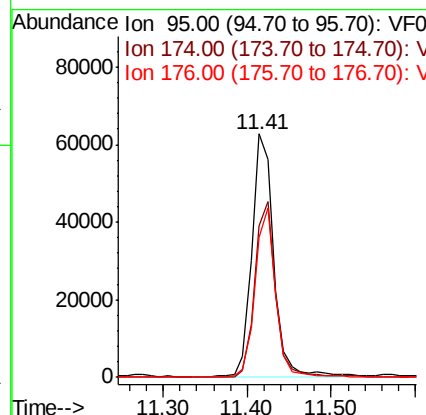
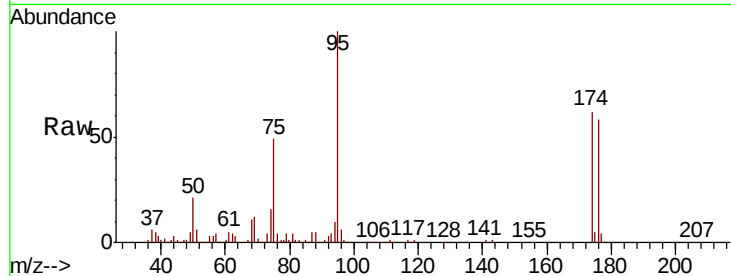
ClientSampleId :

NB-07-112918RE

Tot Ion:	95	Resp:	113825
Ion Ratio	Lower	Upper	
95	100		
174	62.0	0.0	138.2
176	57.6	0.0	146.2

Manual Integrations
APPROVED

apatel
12/3/2018 2:12:43 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

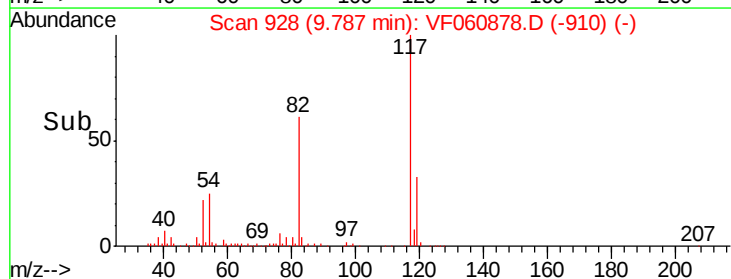
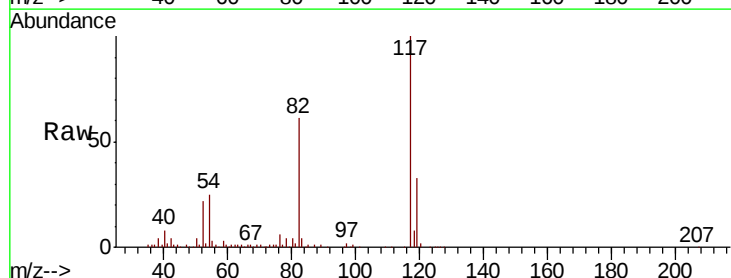
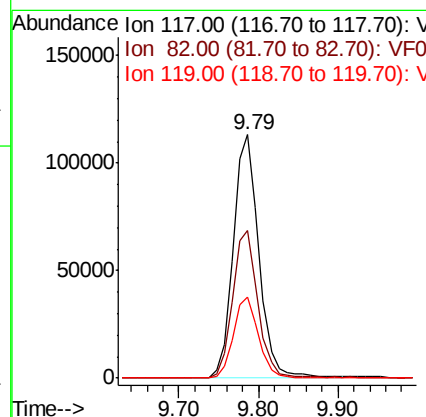
RT: 9.79 min Scan# 928

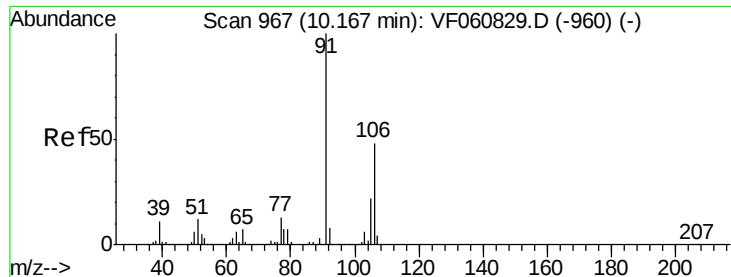
Delta R.T. -0.03 min

Lab File: VF060878.D

Acq: 29 Nov 2018 20:39

Tgt Ion:	117	Resp:	256030
Ion Ratio	Lower	Upper	
117	100		
82	60.9	46.6	69.8
119	33.3	26.4	39.6





#68

m/p-Xvlenes

Concen: 1.137 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.03 min

Lab File: VF060878.D

Acq: 29 Nov 2018 20:39

Instrument :

MSVOA_F

ClientSampleId :

NB-07-112918RE

Tot Ion:106 Resp: 3792

Ion Ratio Lower Upper

106 100

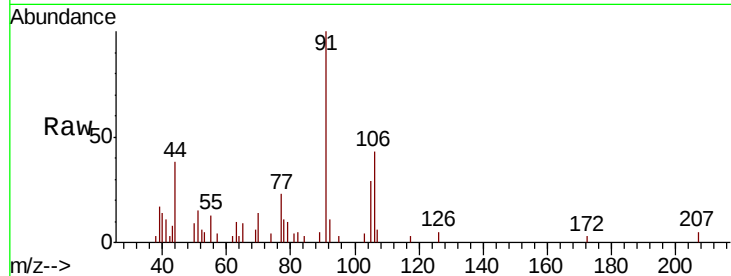
91 231.4 166.7 250.1

Manual Integrations

APPROVED

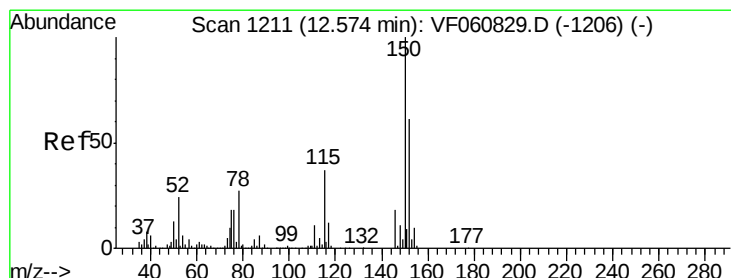
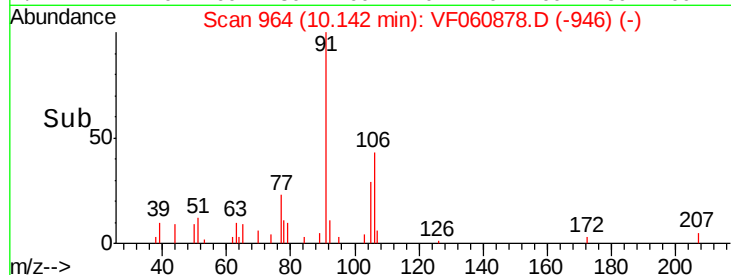
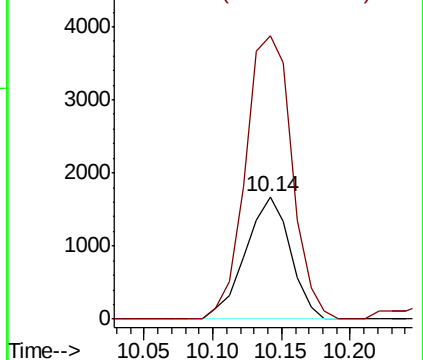
apatel

12/3/2018 2:12:43 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF060878.D

Acq: 29 Nov 2018 20:39

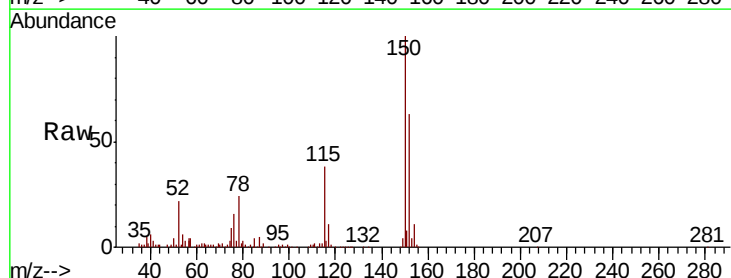
Tgt Ion:152 Resp: 97396

Ion Ratio Lower Upper

152 100

115 60.0 30.1 90.5

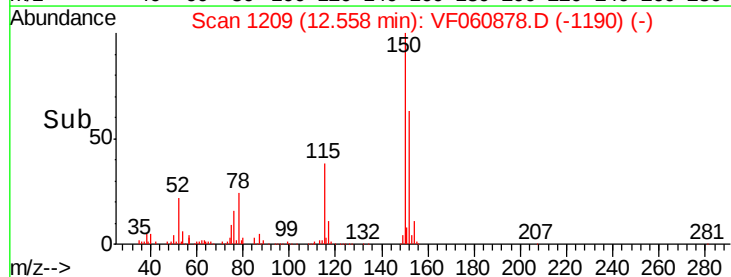
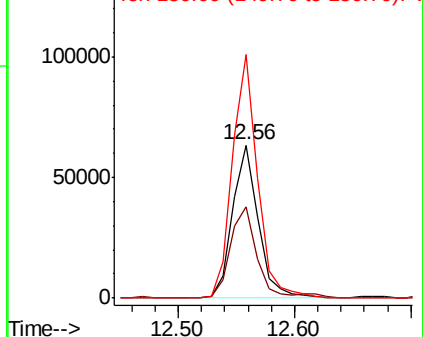
150 159.3 0.0 327.6

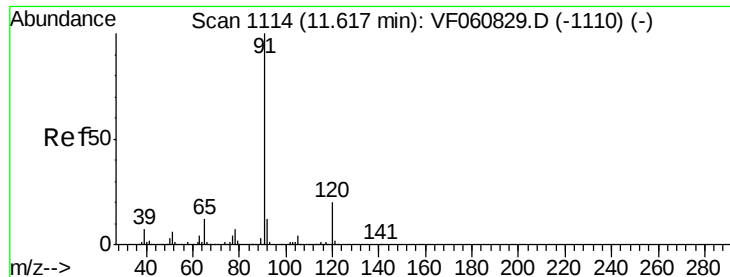


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#78

n-propylbenzene

Concen: 1.130 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF060878.D

Acq: 29 Nov 2018 20:39

Instrument :

MSVOA_F

ClientSampleId :

NB-07-112918RE

Tot Ion: 91 Resp: 10188

Ion Ratio Lower Upper

91 100

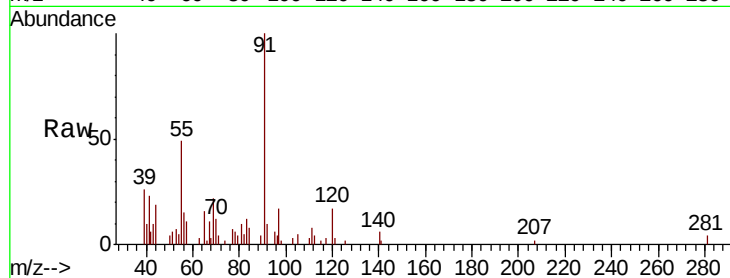
120 17.3 10.3 30.8

Manual Integrations

APPROVED

apatel

12/3/2018 2:12:43 PM



Abundance Ion 91.00 (90.70 to 91.70): VF060829.D (-1110) (-)

Ion 120.00 (119.70 to 120.70): VF060829.D (-1110) (-)

11.60

6000

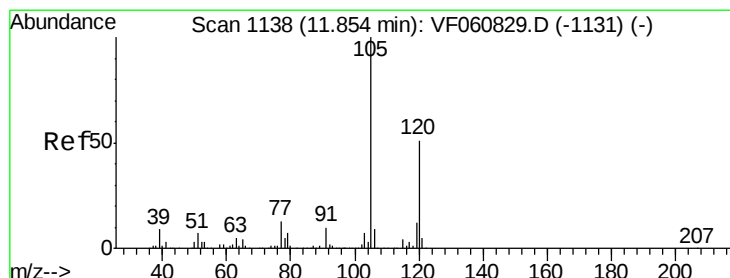
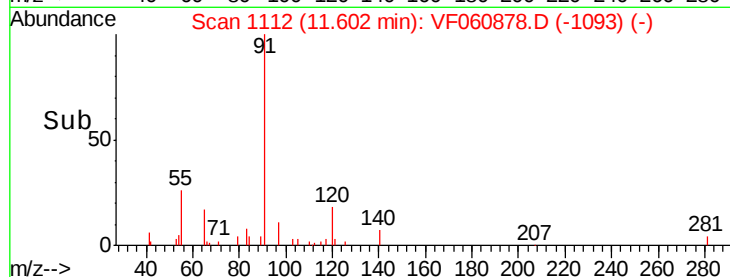
4000

2000

0

11.55 11.60 11.65

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.521 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF060878.D

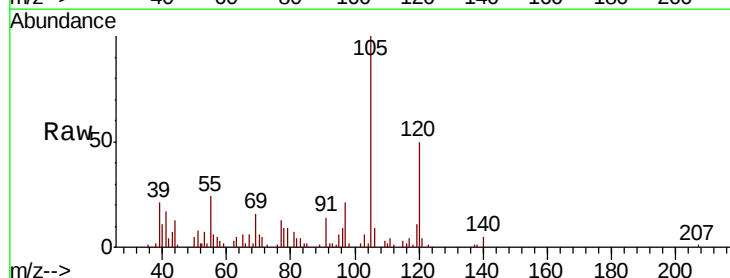
Acq: 29 Nov 2018 20:39

Tgt Ion: 105 Resp: 15755

Ion Ratio Lower Upper

105 100

120 49.8 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VF060829.D (-1131) (-)

Ion 120.00 (119.70 to 120.70): VF060829.D (-1131) (-)

11.83

12000

10000

8000

6000

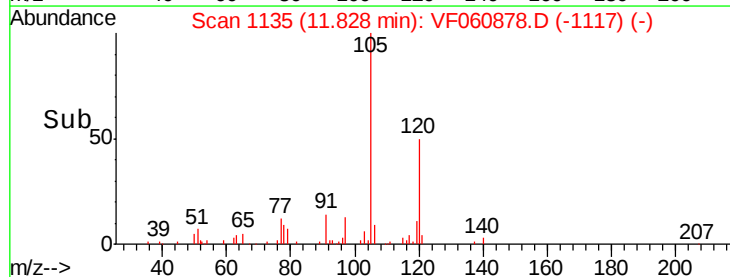
4000

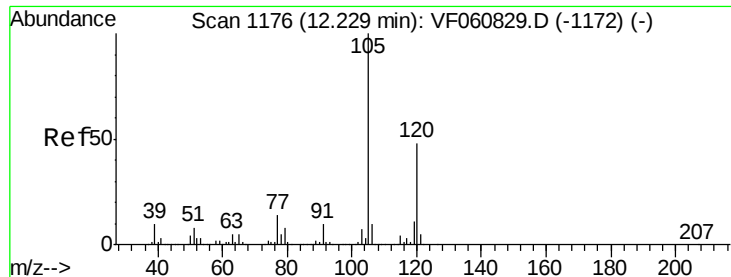
2000

0

11.75 11.80 11.85 11.90

Time-->





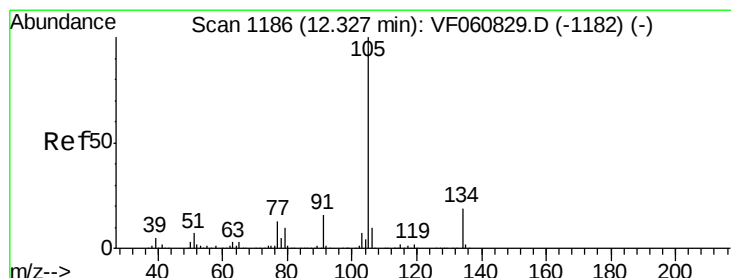
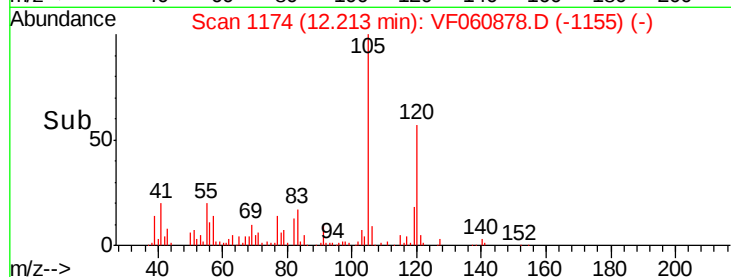
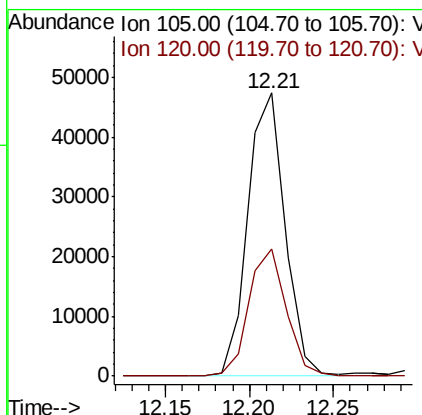
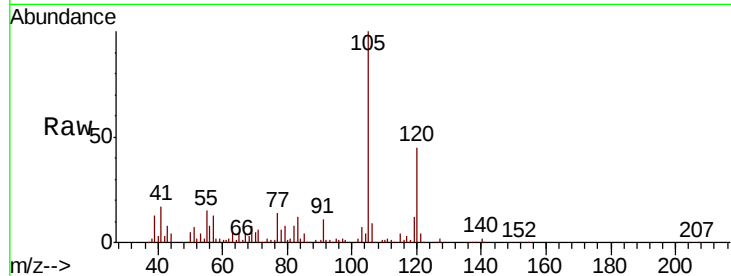
#84
1,2,4-Trimethylbenzene
Concen: 11.645 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VF060878.D
Acq: 29 Nov 2018 20:39

Instrument :
MSVOA_F
ClientSampleId :
NB-07-112918RE

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.8	71.5

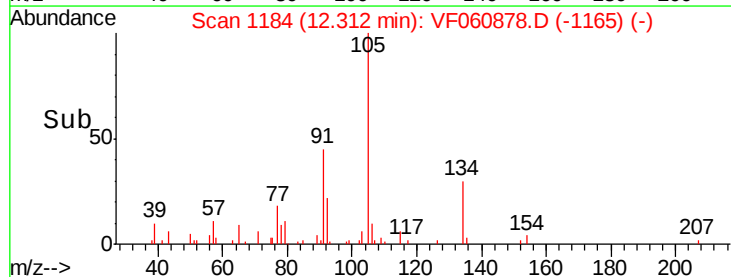
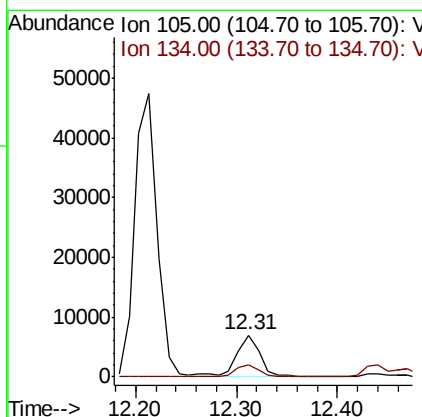
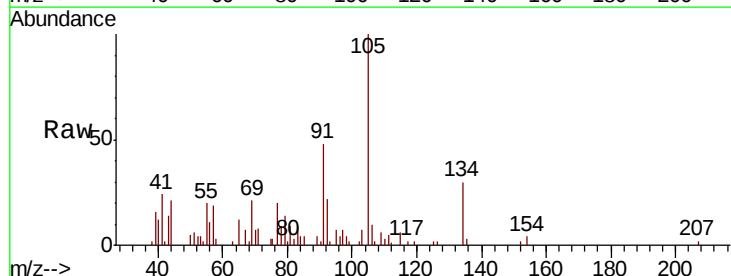
Manual Integrations
APPROVED

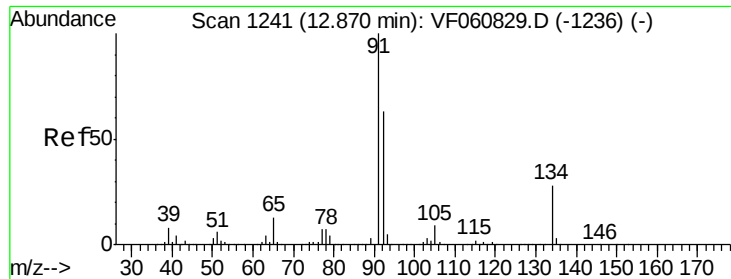
apatel
12/3/2018 2:12:43 PM



#85
sec-Butylbenzene
Concen: 1.367 ug/l
RT: 12.31 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VF060878.D
Acq: 29 Nov 2018 20:39

Tgt Ion	Ratio	Lower	Upper
105	100		
134	29.5	9.5	28.5#





#89
 n-Butylbenzene
 Concen: 4.779 ug/l
 RT: 12.84 min Scan# 1238
 Delta R.T. -0.03 min
 Lab File: VF060878.D
 Acq: 29 Nov 2018 20:39

Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-112918RE

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	31.6	94.7
134	52.6	13.8	41.4

Manual Integrations
 APPROVED

apatel
 12/3/2018 2:12:43 PM

