

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060020.D
 Acq On : 20 Aug 2018 23:34
 Operator : VA/AP
 Sample : J4524-01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 Y-1802

Manual Integrations
 APPROVED

apatel
 8/21/2018 11:02:26 AM

Quant Time: Aug 21 09:12:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	195894	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	274843	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	288459	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	181216	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	151408	40.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.08%	
35) Dibromofluoromethane	4.30	113	14892	5.30	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	10.60%	
50) Toluene-d8	7.72	98	314868	50.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.51	95	167271	43.64	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
56) Ethyl methacrylate	8.77	69	9687	5.26	ug/l	# 87
68) m/p-Xylenes	10.27	106	46114	12.88	ug/l	94
69) o-Xylene	10.83	106	30803	8.39	ug/l	93
73) Isopropylbenzene	11.23	105	16028	1.48	ug/l	99
78) n-propylbenzene	11.69	91	48349	3.58	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	131938	13.43	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	404376	39.10	ug/l	99
85) sec-Butylbenzene	12.39	105	35456	2.78	ug/l	88
86) p-Isopropyltoluene	12.55	119	22711m	2.01	ug/l	
89) n-Butylbenzene	12.92	91	56177	5.15	ug/l	90
95) Naphthalene	14.53	128	56147	8.83	ug/l	98

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

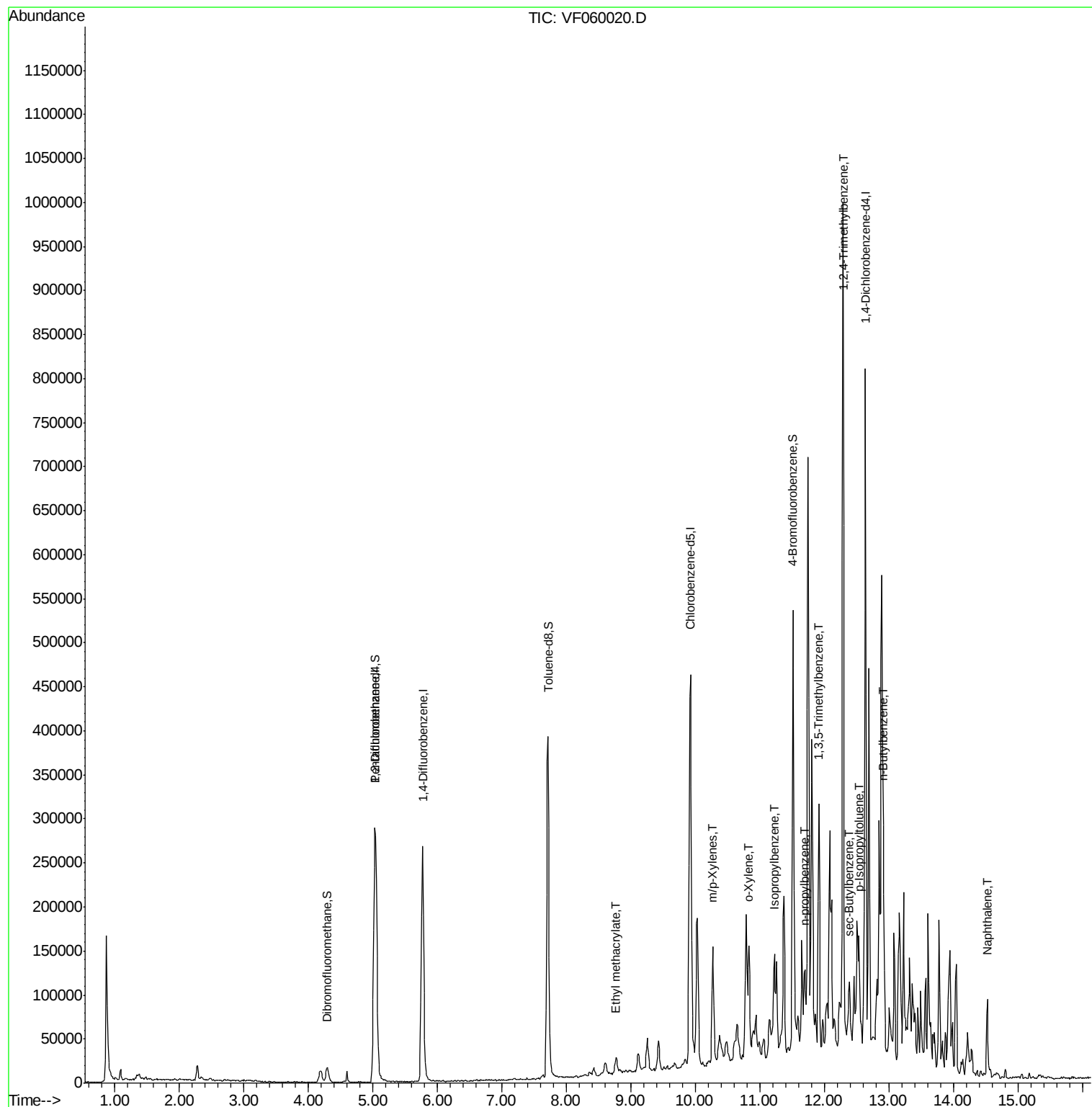
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060020.D
Acq On : 20 Aug 2018 23:34
Operator : VA/AP
Sample : J4524-01
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 50 Sample Multiplier: 1

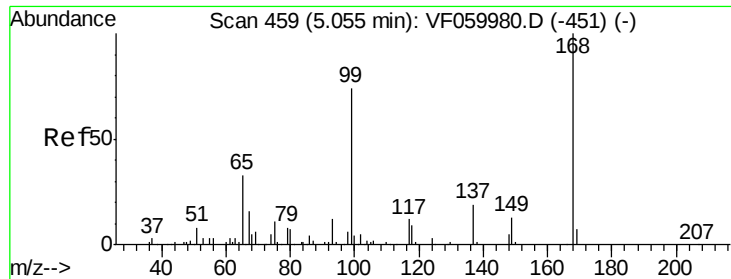
Instrument :
MSVOA_F
ClientSampleId :
Y-1802

Manual Integrations
APPROVED

apatel
8/21/2018 11:02:26 AM

Quant Time: Aug 21 09:12:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060020.D

Acq: 20 Aug 2018 23:34

Instrument :

MSVOA_F

ClientSampled :

Y-1802

Tot Ion:168 Resp: 195894

Ion Ratio Lower Upper

168 100

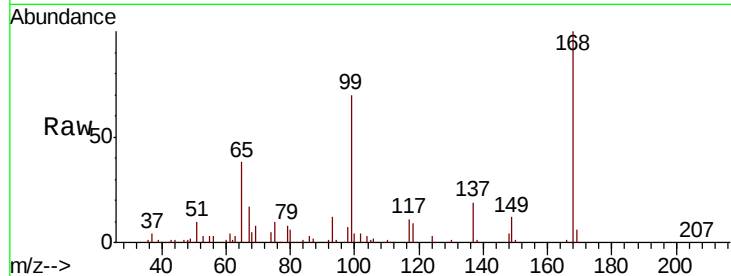
99 69.8 59.0 88.6

Manual Integrations

APPROVED

apatel

8/21/2018 11:02:26 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

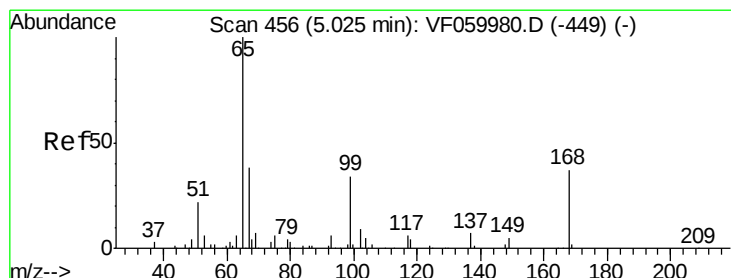
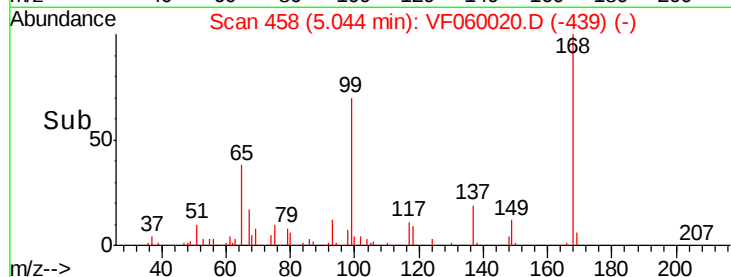
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#33

1,2-Dichloroethane-d4

Concen: 40.04 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF060020.D

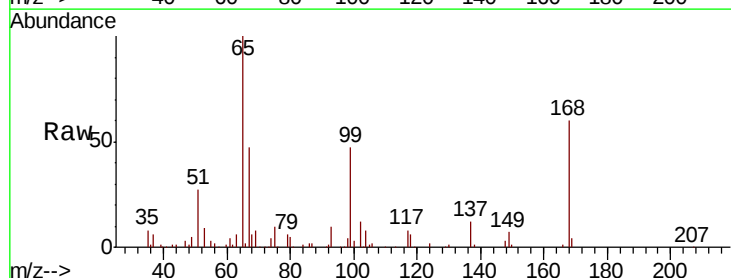
Acq: 20 Aug 2018 23:34

Tgt Ion: 65 Resp: 151408

Ion Ratio Lower Upper

65 100

67 46.8 0.0 82.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.02

60000

50000

40000

30000

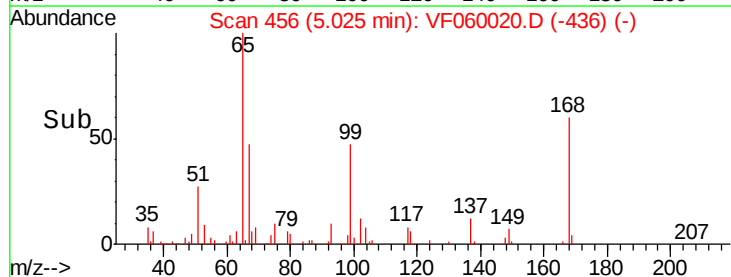
20000

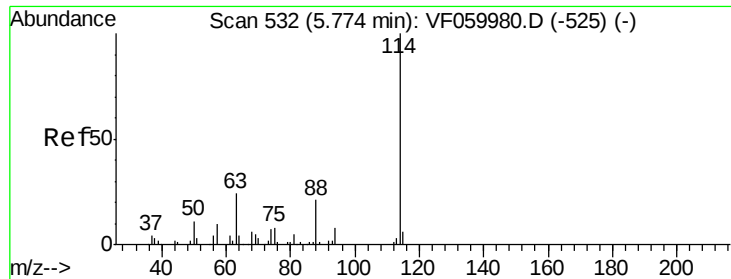
10000

0

Time-->

4.90 5.00 5.10 5.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF060020.D

Acq: 20 Aug 2018 23:34

Instrument :

MSVOA_F

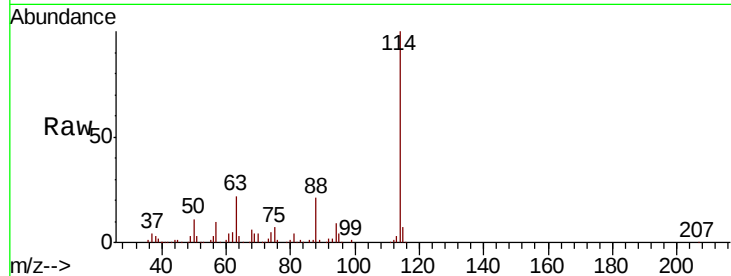
ClientSampled :

Y-1802

Tot Ion:	114	Resp:	274843
Ion Ratio	Lower	Upper	
114	100		
63	22.4	0.0	48.6
88	20.7	0.0	42.8

Manual Integrations
APPROVED

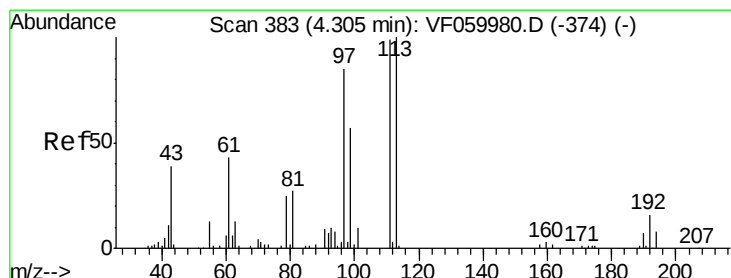
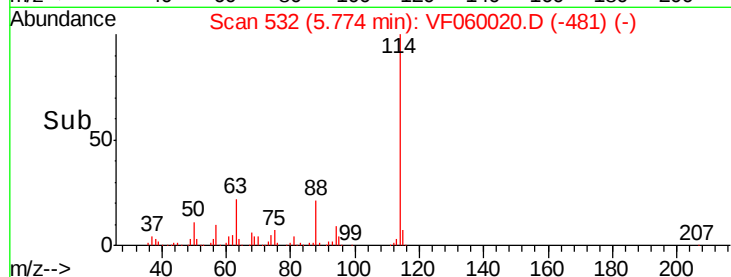
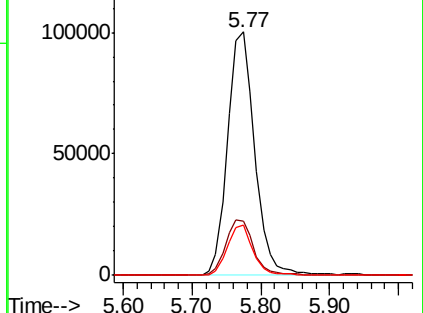
apatel
8/21/2018 11:02:26 AM



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: 5.30 ug/l

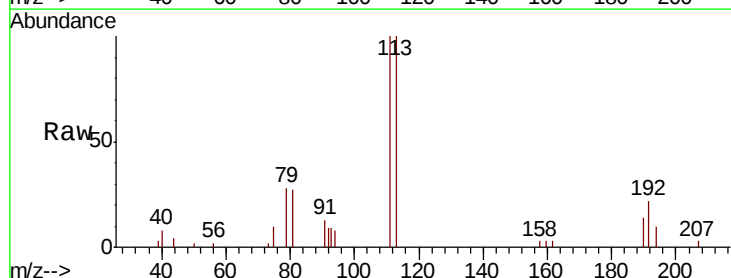
RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF060020.D

Acq: 20 Aug 2018 23:34

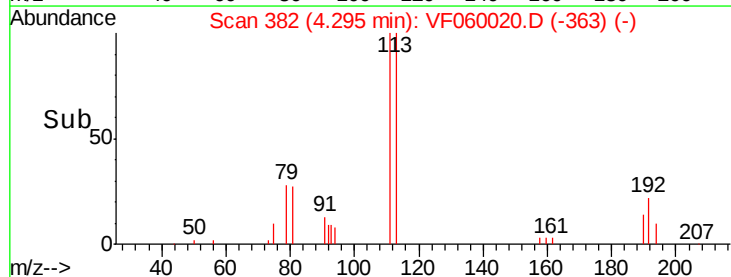
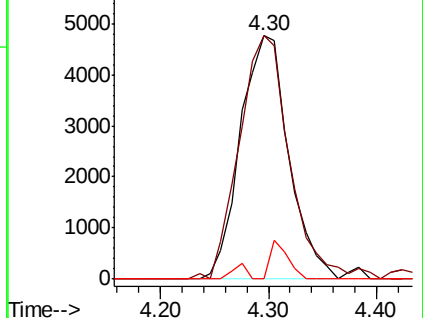
Tgt Ion:	113	Resp:	14892
Ion Ratio	Lower	Upper	
113	100		
111	100.1	79.5	119.3
192	0.0	12.4	18.6#

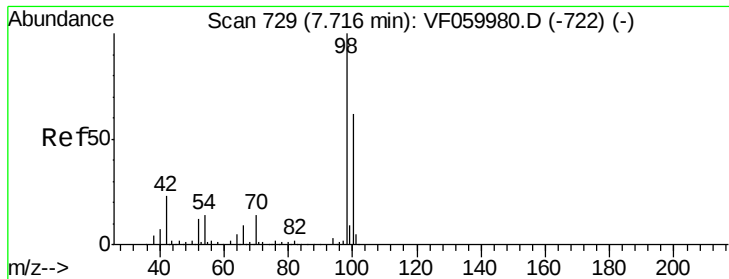


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 50.41 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.00 min

Lab File: VF060020.D

Acq: 20 Aug 2018 23:34

Instrument :

MSVOA_F

ClientSampled :

Y-1802

Tot Ion: 98 Resp: 314868

Ion Ratio Lower Upper

98 100

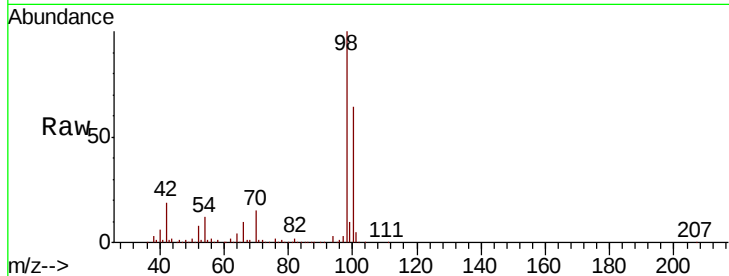
100 64.4 49.8 74.8

Manual Integrations

APPROVED

apatel

8/21/2018 11:02:26 AM



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

150000

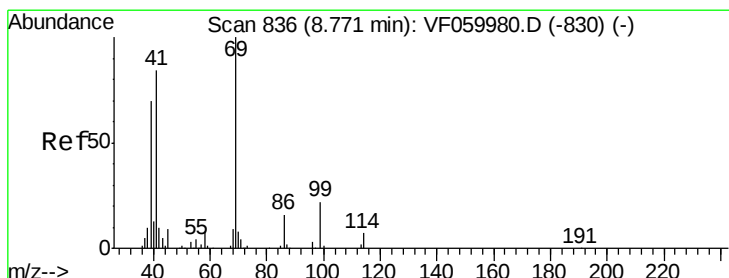
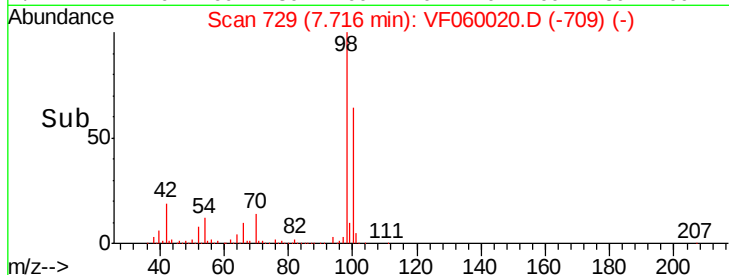
100000

50000

0

7.60 7.70 7.80

Time-->



#56

Ethyl methacrylate

Concen: 5.26 ug/l

RT: 8.77 min Scan# 836

Delta R.T. -0.00 min

Lab File: VF060020.D

Acq: 20 Aug 2018 23:34

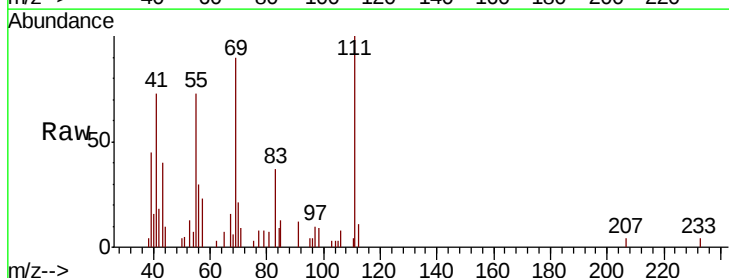
Tgt Ion: 69 Resp: 9687

Ion Ratio Lower Upper

69 100

41 81.0 67.8 101.6

39 49.7 55.8 83.6#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

4000

3000

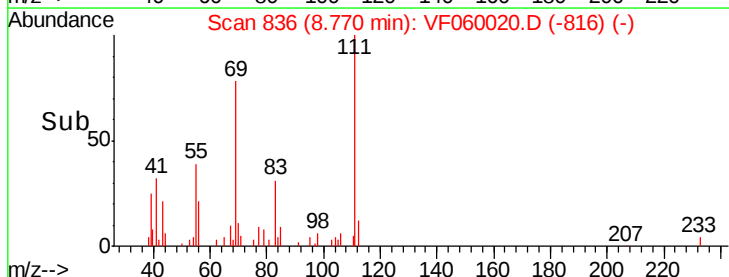
2000

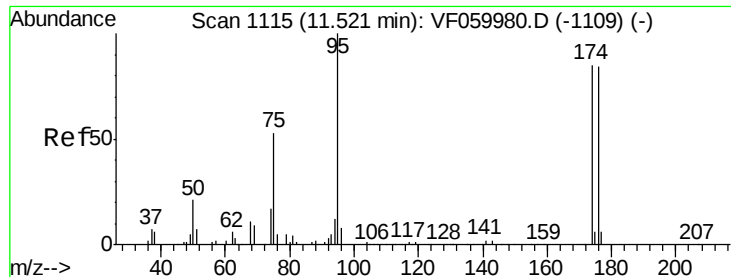
1000

0

8.70 8.80 8.90

Time-->





#62

4-Bromofluorobenzene

Concen: 43.64 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060020.D

Acq: 20 Aug 2018 23:34

Instrument :

MSVOA_F

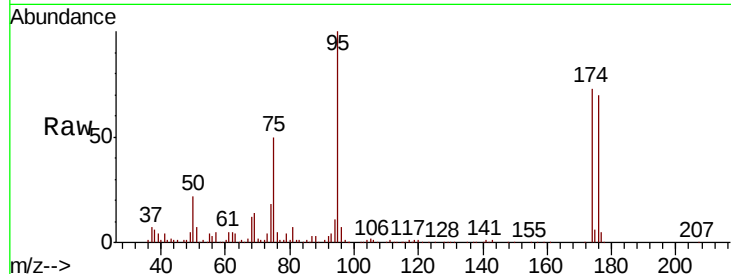
ClientSampled :

Y-1802

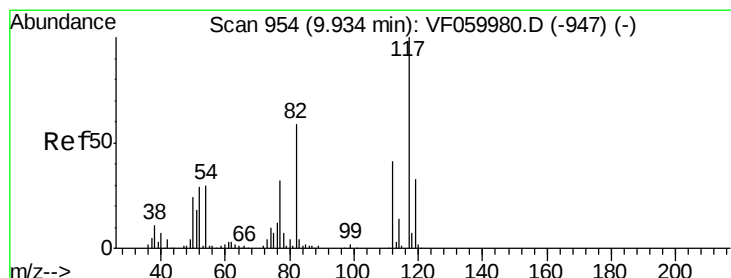
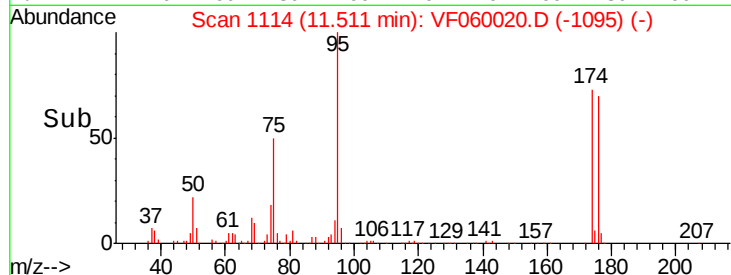
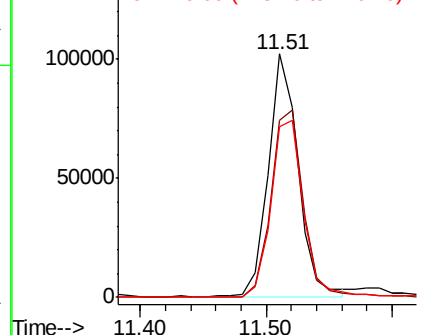
Tot Ion:	95	Resp:	167271
Ion Ratio	Lower	Upper	
95	100		
174	72.5	0.0	169.8
176	70.0	0.0	167.8

Manual Integrations
APPROVED

apatel
8/21/2018 11:02:26 AM



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

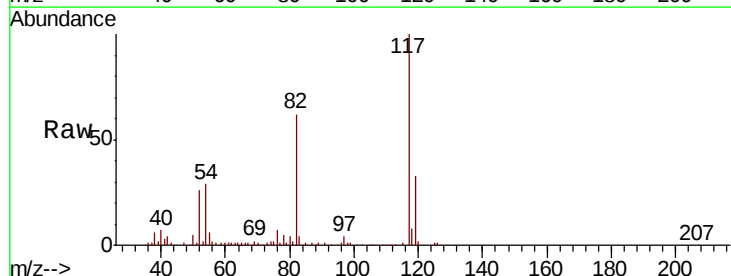
RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

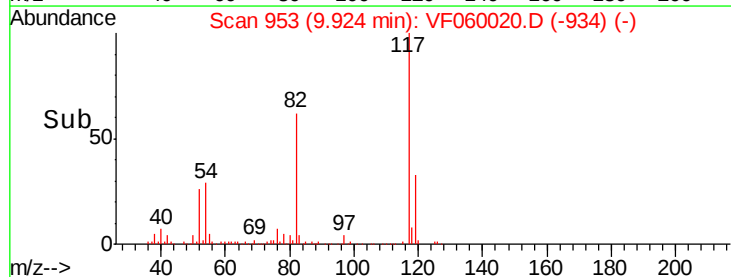
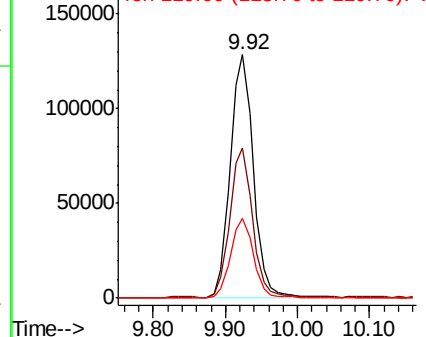
Lab File: VF060020.D

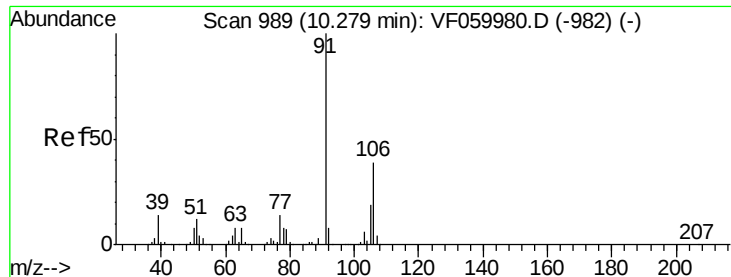
Acq: 20 Aug 2018 23:34

Tgt Ion:	117	Resp:	288459
Ion Ratio	Lower	Upper	
117	100		
82	61.8	47.2	70.8
119	32.8	26.1	39.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V





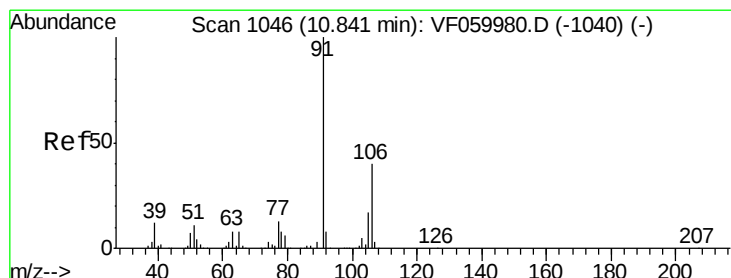
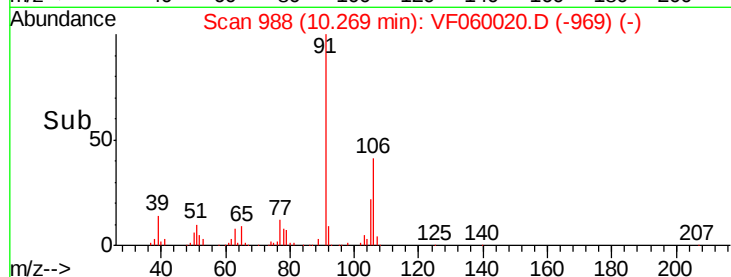
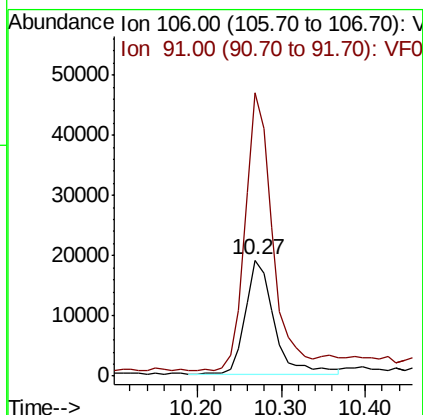
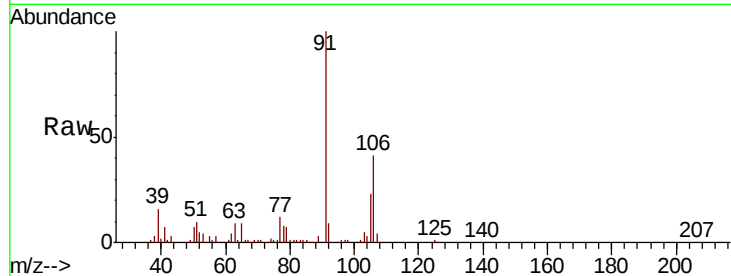
#68
m/p-Xylenes
Concen: 12.88 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument :
MSVOA_F
ClientSampleId :
Y-1802

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		46114		
91	243.9	203.5	305.3		

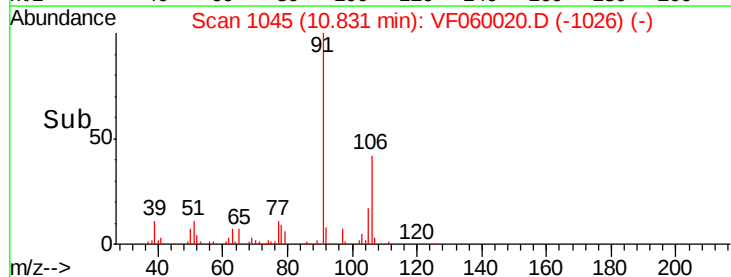
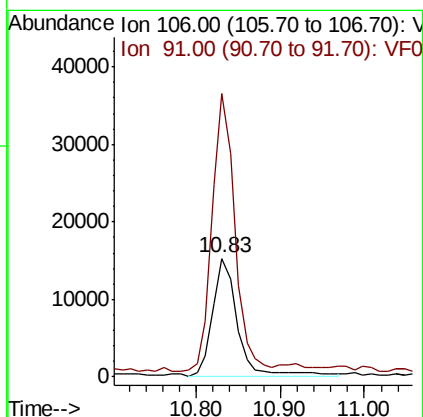
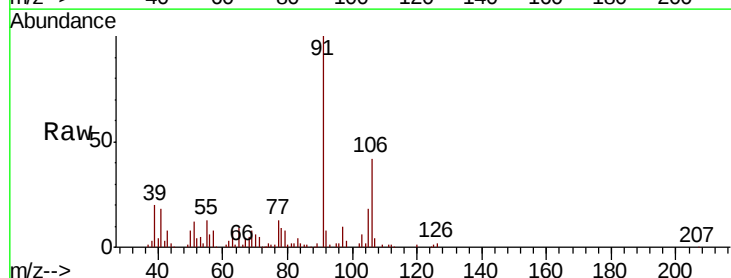
Manual Integrations
APPROVED

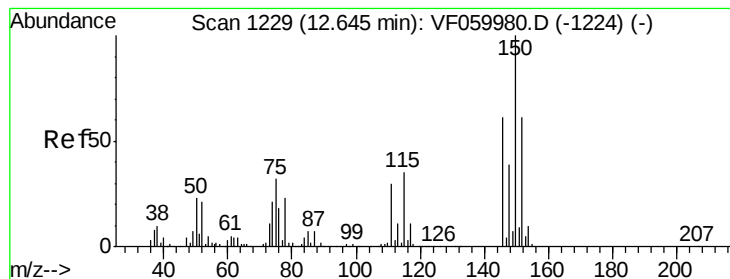
apatel
8/21/2018 11:02:26 AM



#69
o-Xylene
Concen: 8.39 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		30803		
91	238.4	125.4	376.2		





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060020.D

Acq: 20 Aug 2018 23:34

Instrument :

MSVOA_F

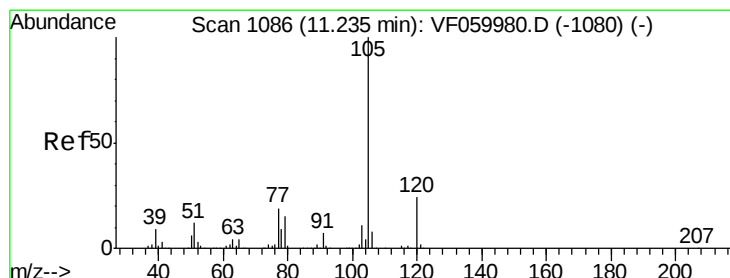
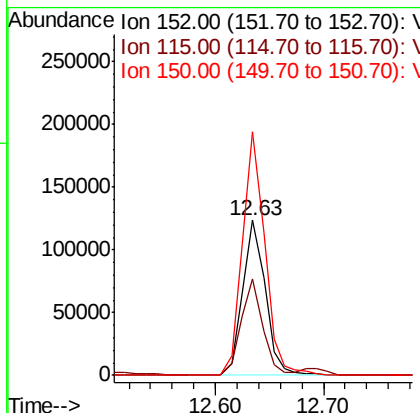
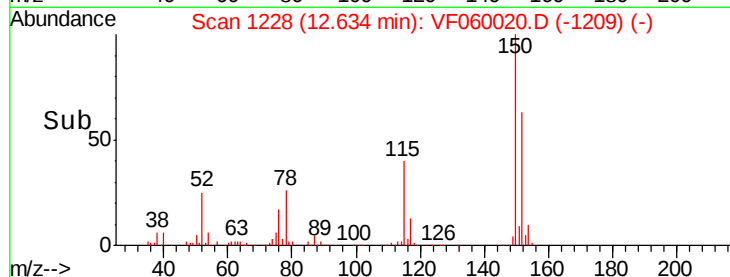
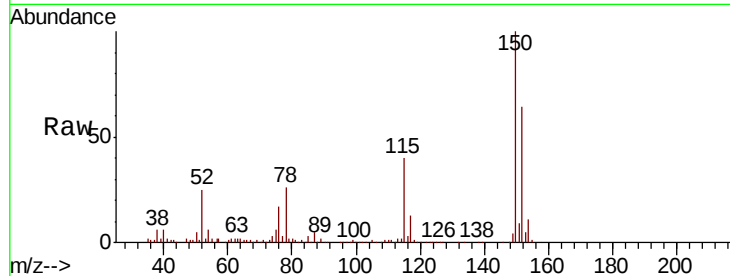
ClientSampleId :

Y-1802

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.6	29.1	87.3
150	157.3	0.0	330.2

Manual Integrations
APPROVED

apatel
8/21/2018 11:02:26 AM



#73

Isopropylbenzene

Concen: 1.48 ug/l

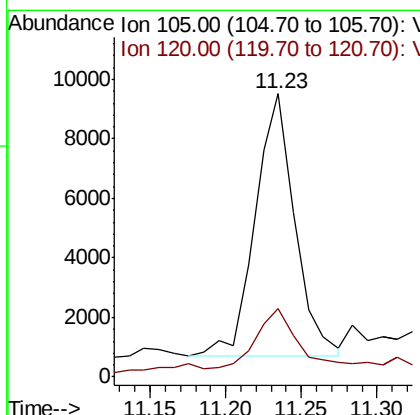
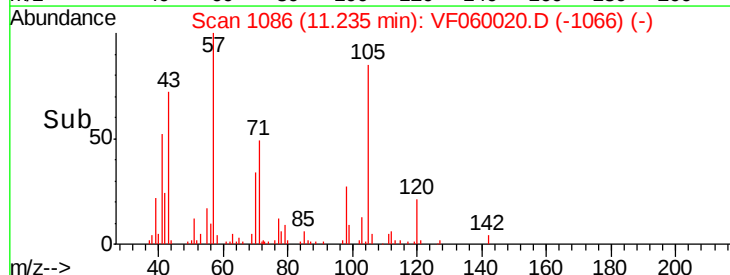
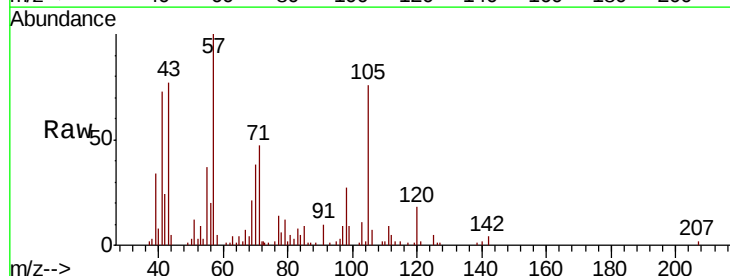
RT: 11.23 min Scan# 1086

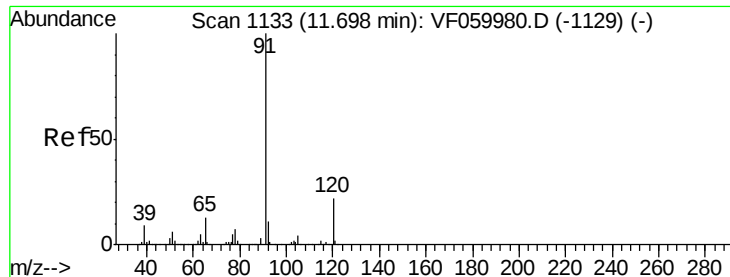
Delta R.T. -0.00 min

Lab File: VF060020.D

Acq: 20 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.2	11.9	35.5





#78

n-propylbenzene

Concen: 3.58 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060020.D

Acq: 20 Aug 2018 23:34

Instrument :

MSVOA_F

ClientSampled :

Y-1802

Tot Ion: 91 Resp: 48349

Ion Ratio Lower Upper

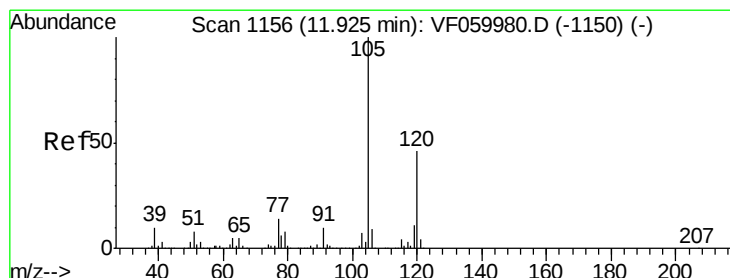
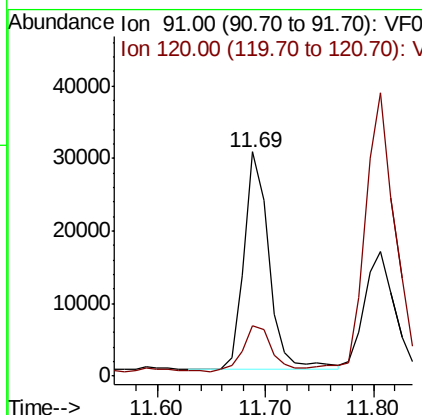
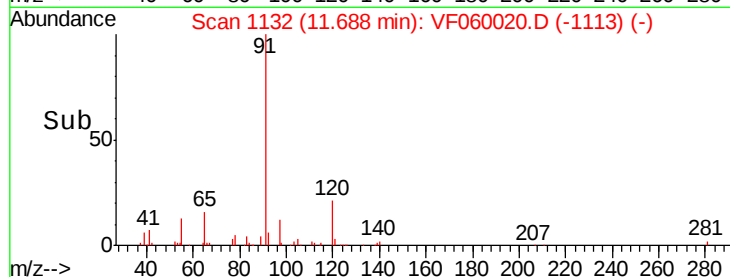
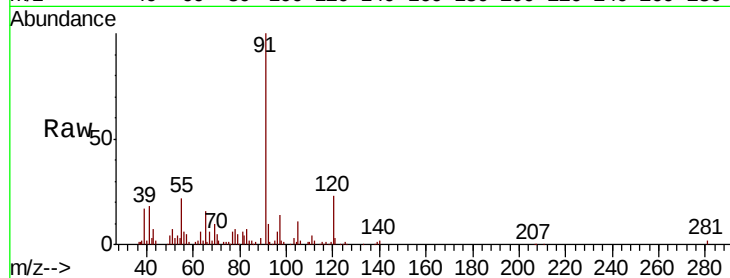
91 100

120 22.5 11.0 33.0

Manual Integrations
APPROVED

apatel

8/21/2018 11:02:26 AM



#80

1,3,5-Trimethylbenzene

Concen: 13.43 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF060020.D

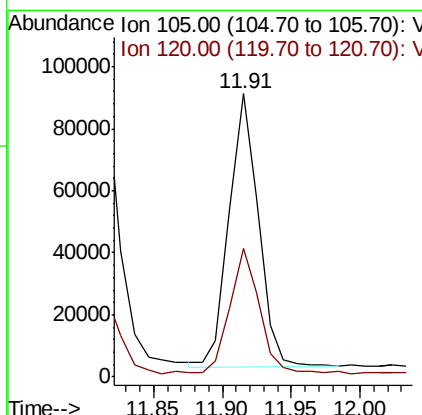
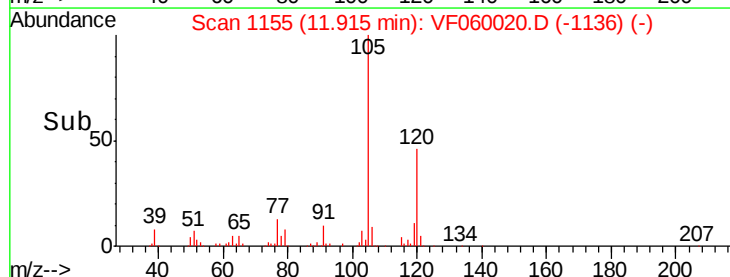
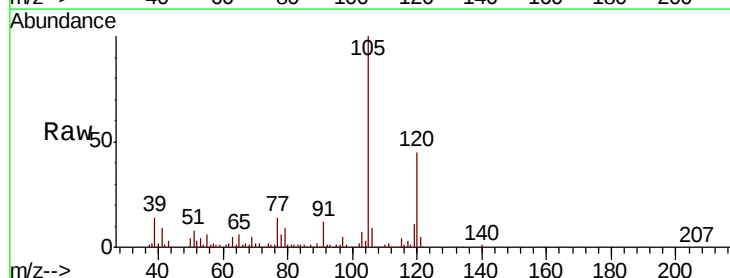
Acq: 20 Aug 2018 23:34

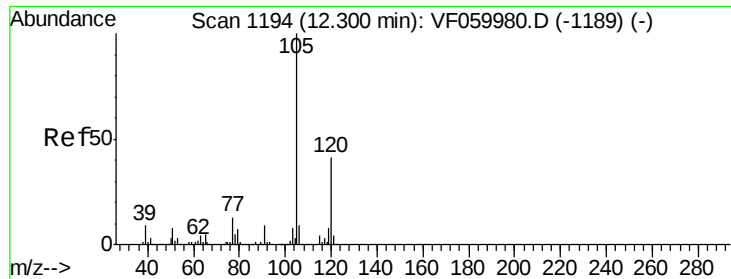
Tgt Ion: 105 Resp: 131938

Ion Ratio Lower Upper

105 100

120 45.2 22.9 68.7





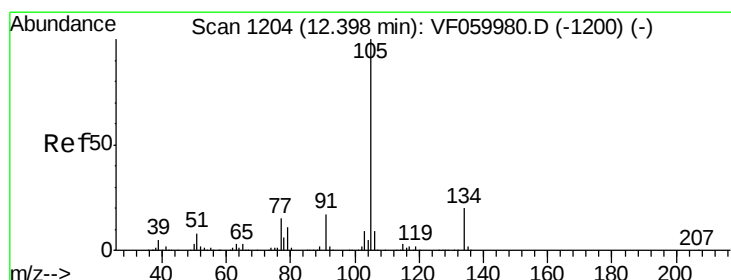
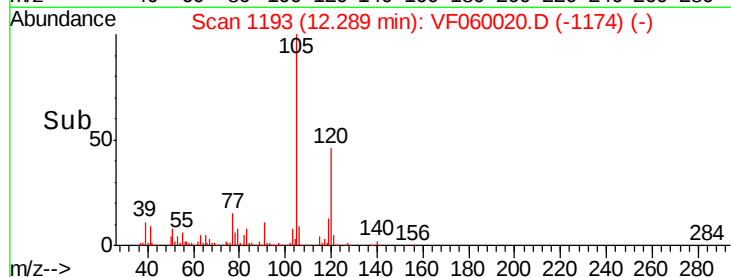
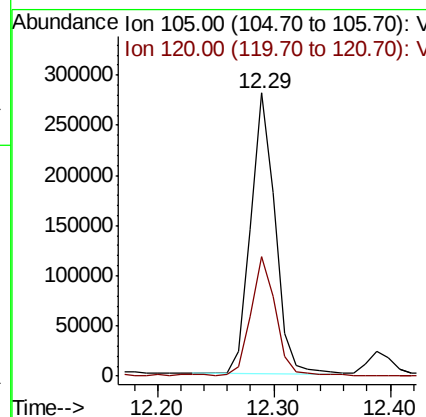
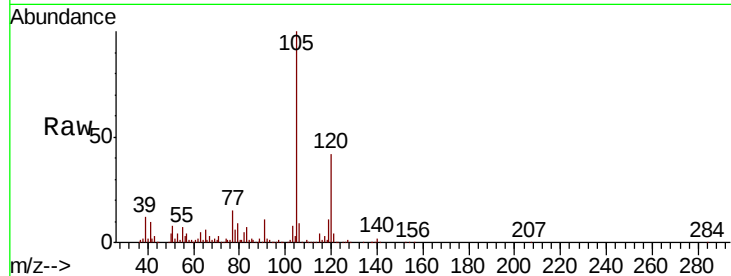
#84
 1,2,4-Trimethylbenzene
 Concen: 39.10 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060020.D
 Acq: 20 Aug 2018 23:34

Instrument :
 MSVOA_F
 ClientSampled :
 Y-1802

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.4	20.9	62.7

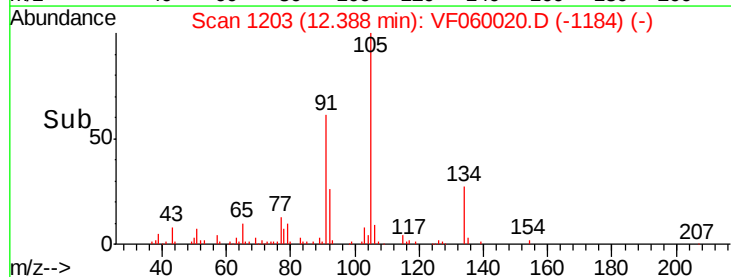
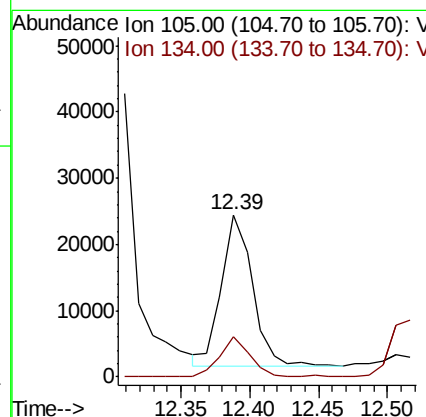
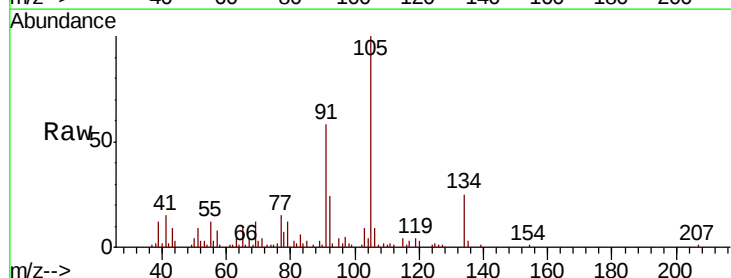
Manual Integrations
 APPROVED

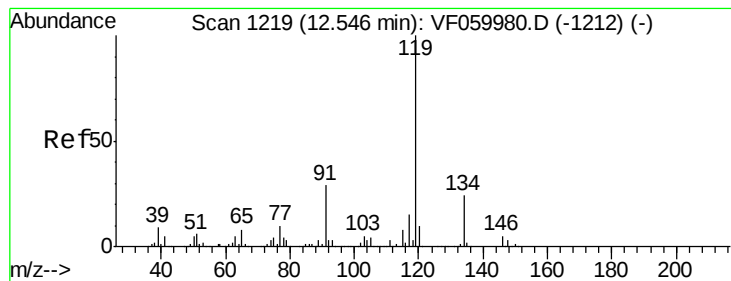
apatel
 8/21/2018 11:02:26 AM



#85
 sec-Butylbenzene
 Concen: 2.78 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060020.D
 Acq: 20 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
105	100		
134	25.0	9.8	29.5





#86

p-Isopropyltoluene

Concen: 2.01 ug/l m

RT: 12.55 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF060020.D

Acq: 20 Aug 2018 23:34

Instrument :

MSVOA_F

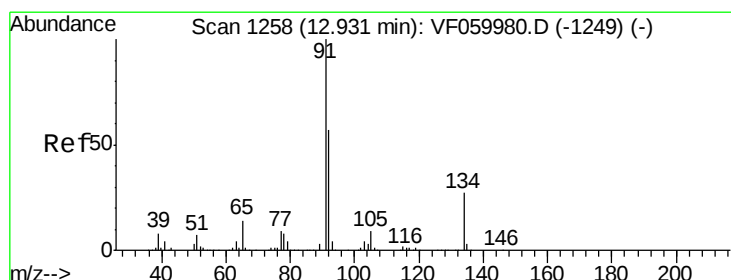
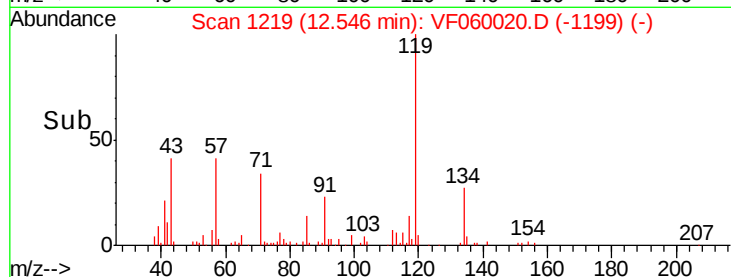
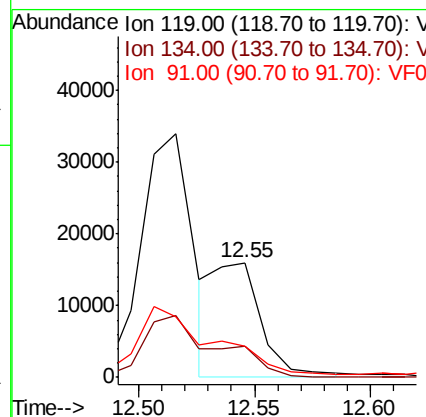
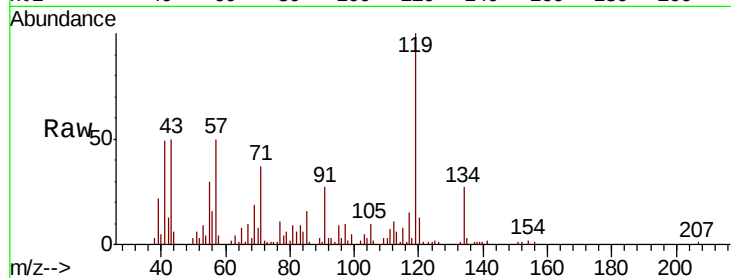
ClientSampled :

Y-1802

Tot Ion:	119	Resp:	22711
Ion Ratio	Lower	Upper	
119	100		
134	26.9	12.1	36.3
91	26.8	14.4	43.4

Manual Integrations
APPROVED

apatel
8/21/2018 11:02:26 AM



#89

n-Butylbenzene

Concen: 5.15 ug/l

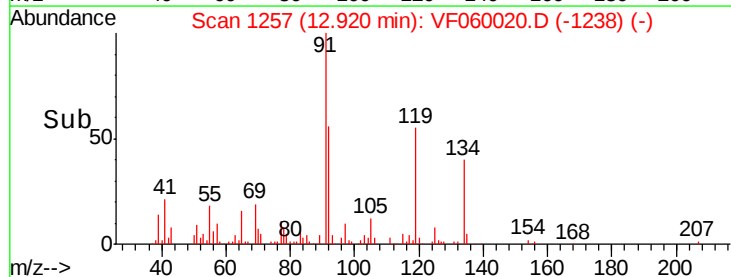
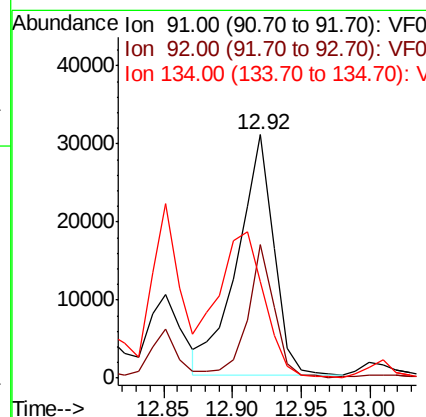
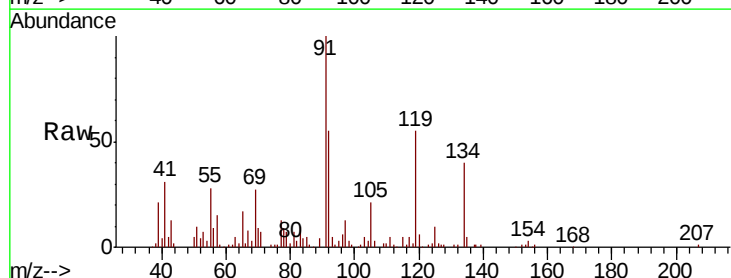
RT: 12.92 min Scan# 1257

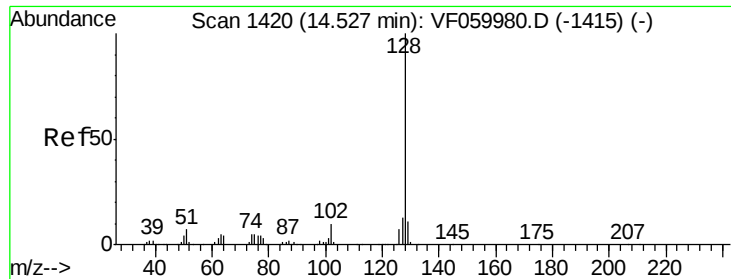
Delta R.T. -0.01 min

Lab File: VF060020.D

Acq: 20 Aug 2018 23:34

Tgt Ion:	91	Resp:	56177
Ion Ratio	Lower	Upper	
91	100		
92	55.0	28.7	86.3
134	39.7	13.3	39.9





#95
Naphthalene
Concen: 8.83 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF060020.D
Acq: 20 Aug 2018 23:34

Instrument :
MSVOA_F
ClientSampleId :
Y-1802

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.1	9.0	13.4

Manual Integrations
APPROVED

apatel
8/21/2018 11:02:26 AM

