

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060211.D
 Acq On : 7 Sep 2018 15:35
 Operator : VA/AP
 Sample : J4693-17
 Misc : 6.31g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-MW-G(7-10)

Quant Time: Sep 07 23:52:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	176885	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	261652	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	230215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	168351	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	129158	41.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	83.60%		
35) Dibromofluoromethane	4.30	113	100660	39.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	78.54%		
50) Toluene-d8	7.71	98	244967	38.29	ug/l	0.00
Spiked Amount 50.000			Recovery =	76.58%		
62) 4-Bromofluorobenzene	11.52	95	194011	53.75	ug/l	0.01
Spiked Amount 50.000			Recovery =	107.50%		

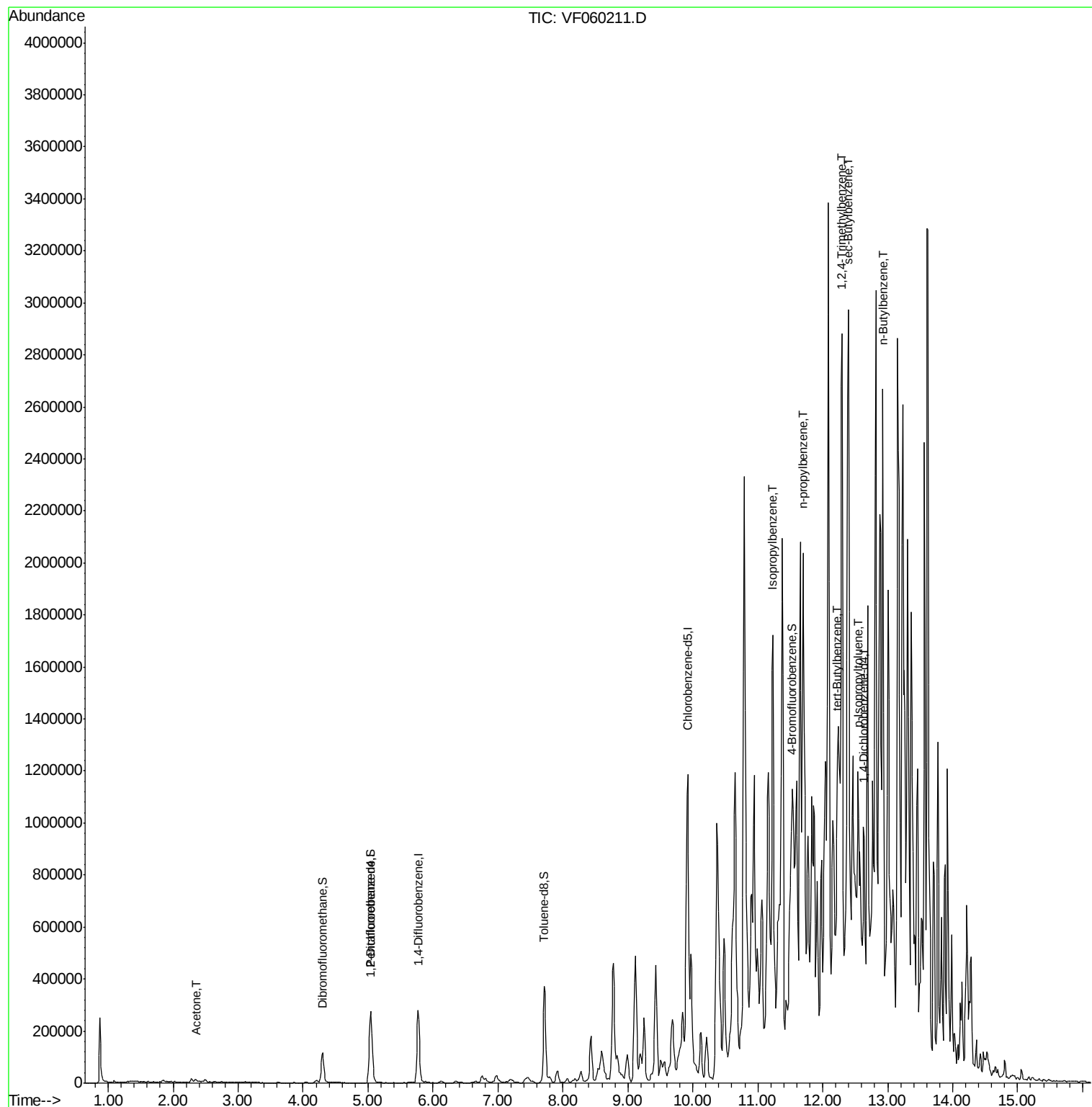
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.35	43	14894	27.99	ug/l	94
73) Isopropylbenzene	11.23	105	253543	21.83	ug/l	99
78) n-propylbenzene	11.69	91	979924	70.42	ug/l	95
83) tert-Butylbenzene	12.22	119	193966	20.76	ug/l	92
84) 1,2,4-Trimethylbenzene	12.30	105	295899	28.41	ug/l	98
85) sec-Butylbenzene	12.39	105	1104936	85.75	ug/l #	77
86) p-Isopropyltoluene	12.54	119	464625	40.60	ug/l	94
89) n-Butylbenzene	12.93	91	853551	77.13	ug/l	94

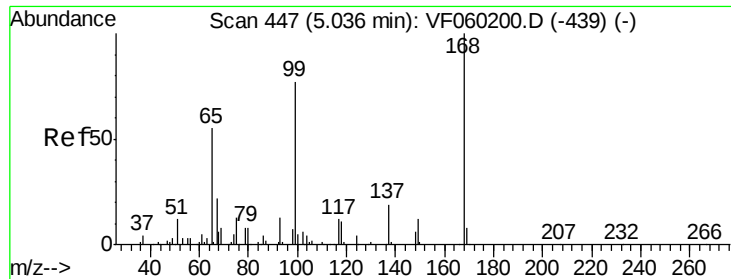
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 07 23:52:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF060211.D

Acq: 7 Sep 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

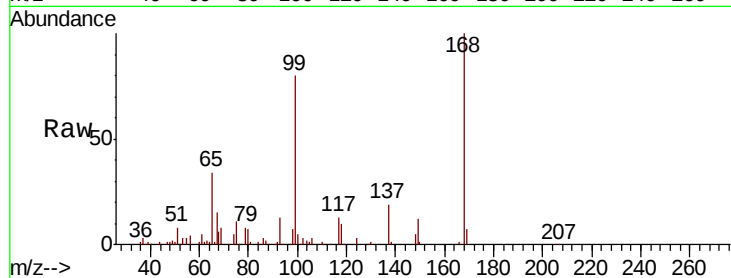
EP1-MW-G(7-10)

Tot Ion:168 Resp: 176885

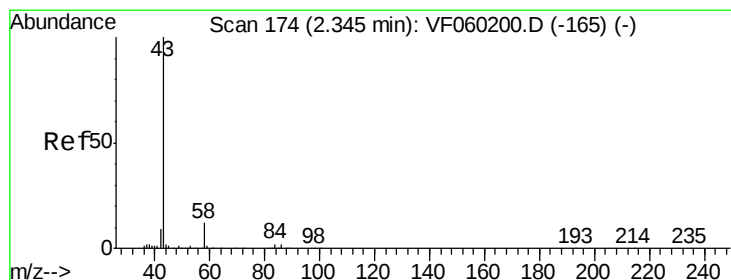
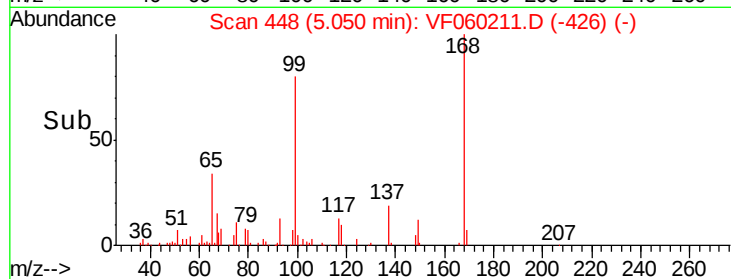
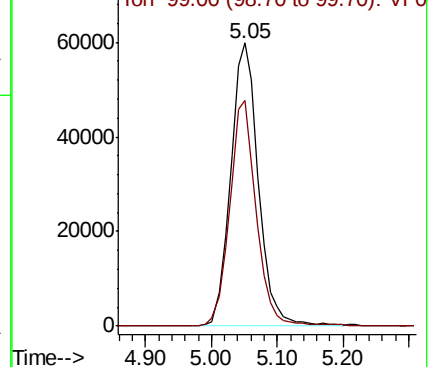
Ion Ratio Lower Upper

168 100

99 79.6 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#16

Acetone

Concen: 27.99 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.00 min

Lab File: VF060211.D

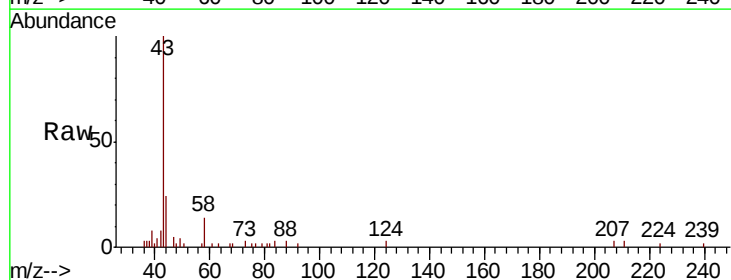
Acq: 7 Sep 2018 15:35

Tgt Ion: 43 Resp: 14894

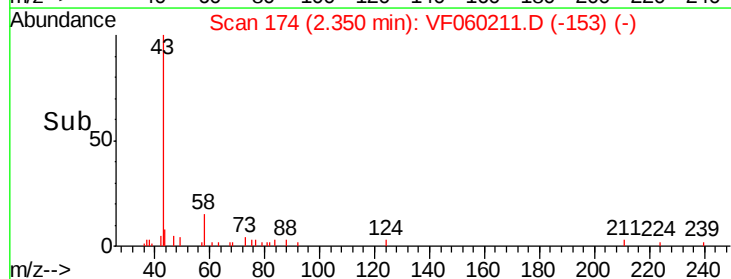
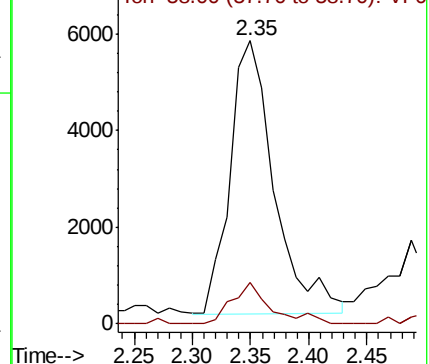
Ion Ratio Lower Upper

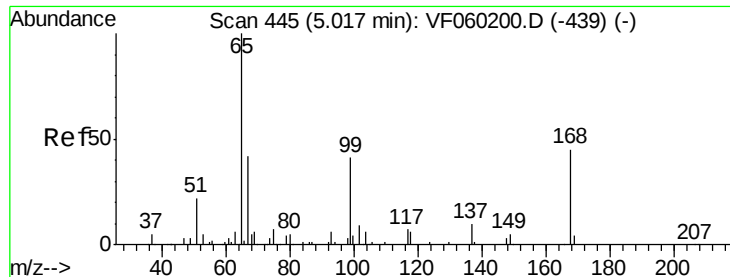
43 100

58 14.4 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 41.80 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060211.D

Acq: 7 Sep 2018 15:35

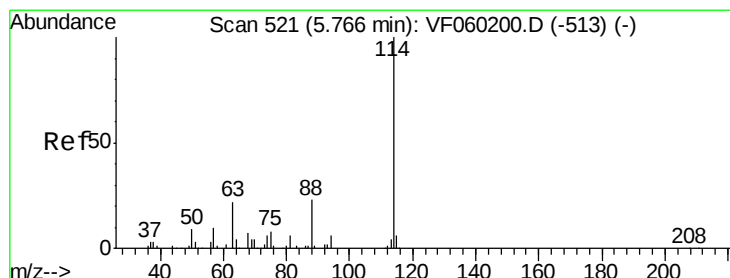
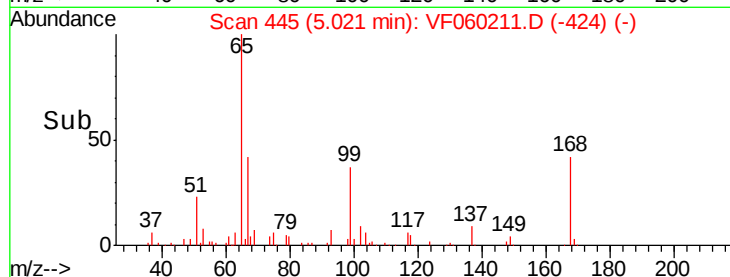
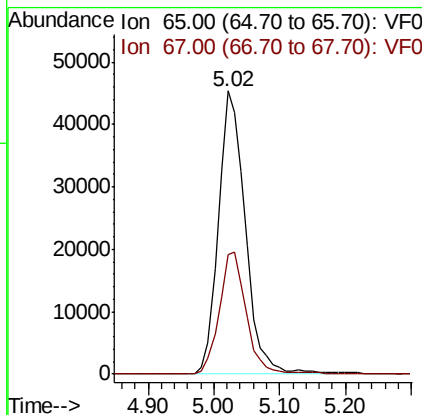
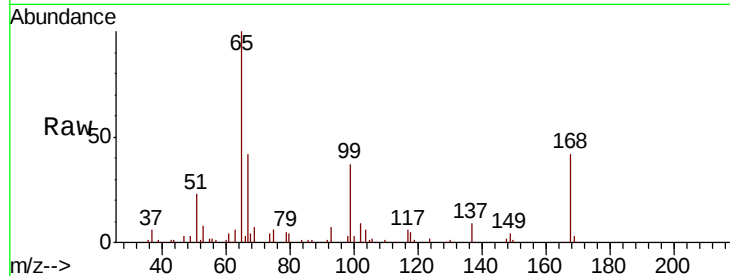
Instrument :
MSVOA_F
ClientSampleId :
EP1-MW-G(7-10)

Tot Ion: 65 Resp: 129158

Ion Ratio Lower Upper

65 100

67 42.3 0.0 87.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 521

Delta R.T. 0.00 min

Lab File: VF060211.D

Acq: 7 Sep 2018 15:35

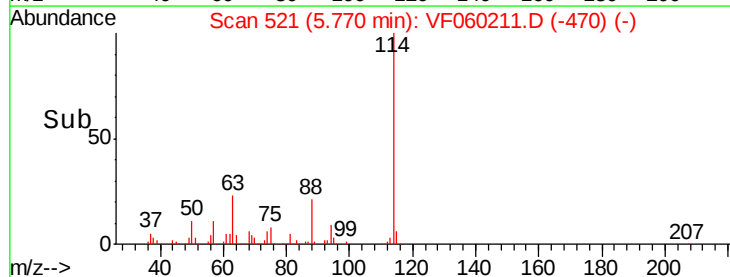
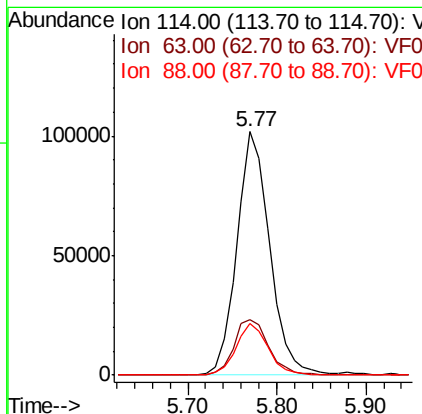
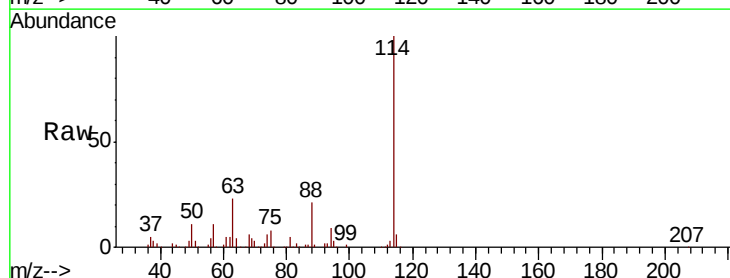
Tgt Ion:114 Resp: 261652

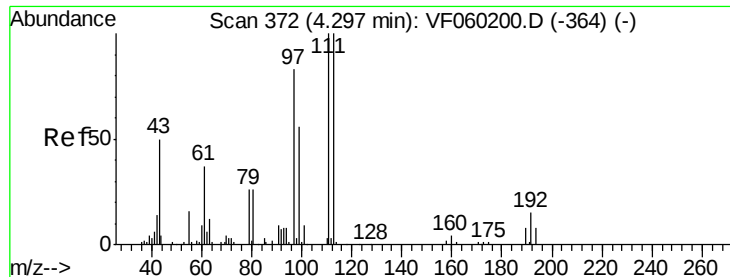
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

88 21.0 0.0 46.4





#35

Dibromofluoromethane

Concen: 39.27 ug/l

RT: 4.30 min Scan# 372

Delta R.T. 0.00 min

Lab File: VF060211.D

Acq: 7 Sep 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
EP1-MW-G(7-10)

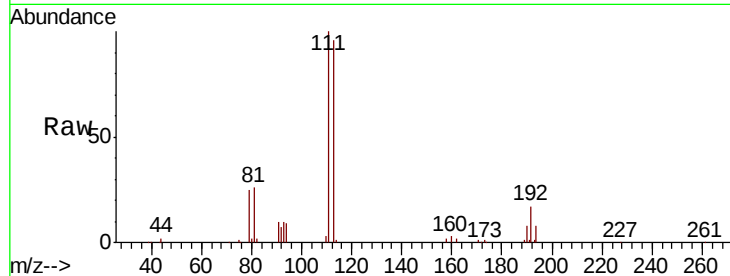
Tot Ion:113 Resp: 100660

Ion Ratio Lower Upper

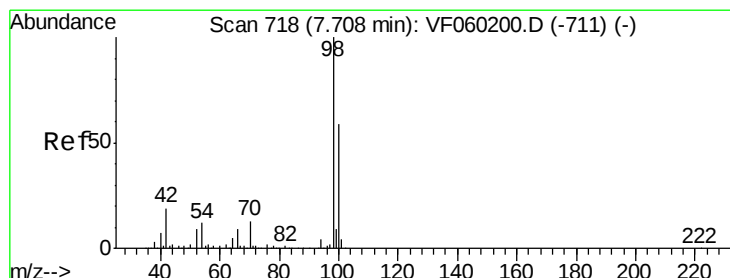
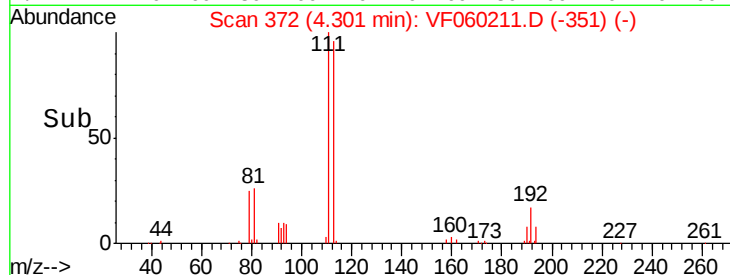
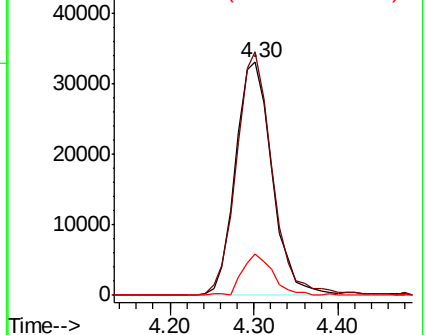
113 100

111 104.5 80.2 120.2

192 17.6 11.8 17.8



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: 38.29 ug/l

RT: 7.71 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF060211.D

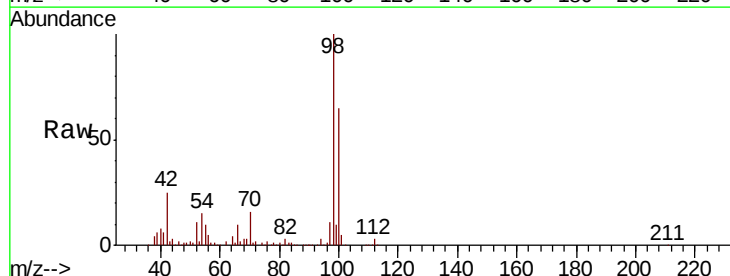
Acq: 7 Sep 2018 15:35

Tgt Ion: 98 Resp: 244967

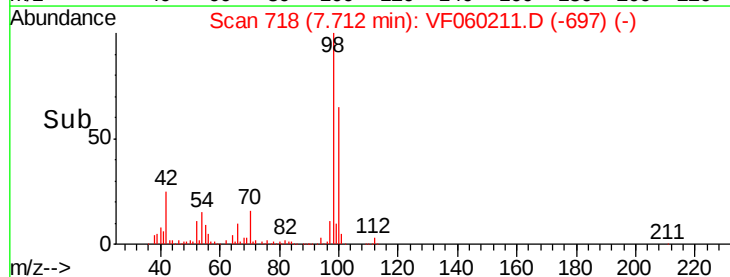
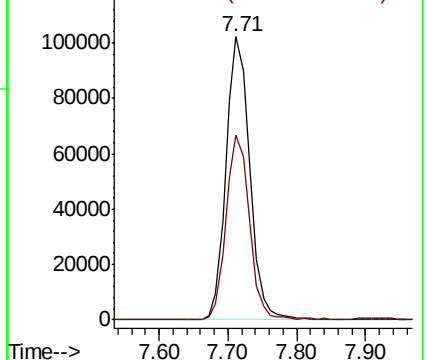
Ion Ratio Lower Upper

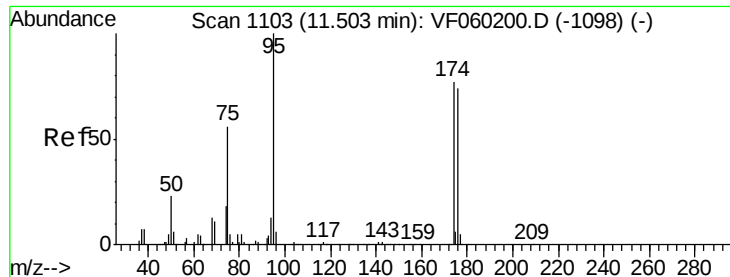
98 100

100 65.3 47.4 71.0



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 53.75 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VF060211.D

Acq: 7 Sep 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

EP1-MW-G(7-10)

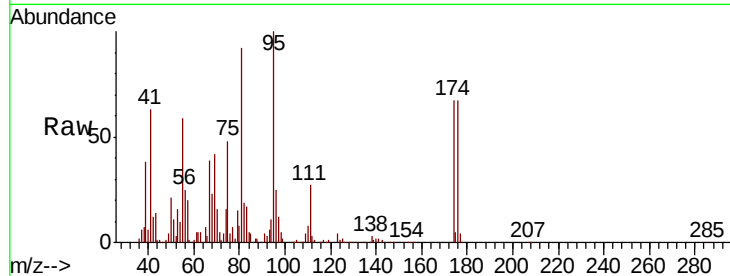
Tot Ion: 95 Resp: 194011

Ion Ratio Lower Upper

95 100

174 66.7 0.0 153.2

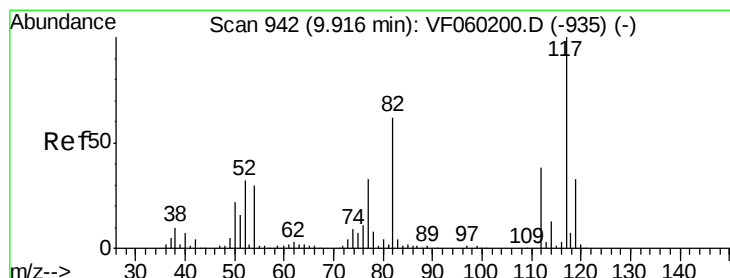
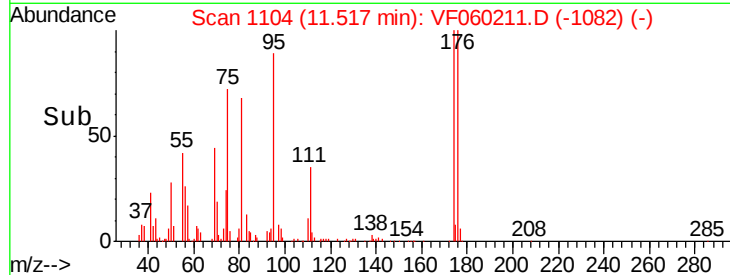
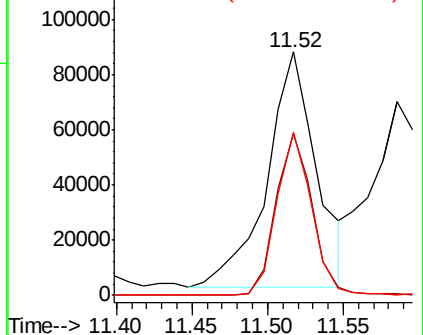
176 66.7 0.0 147.2



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# 942

Delta R.T. 0.00 min

Lab File: VF060211.D

Acq: 7 Sep 2018 15:35

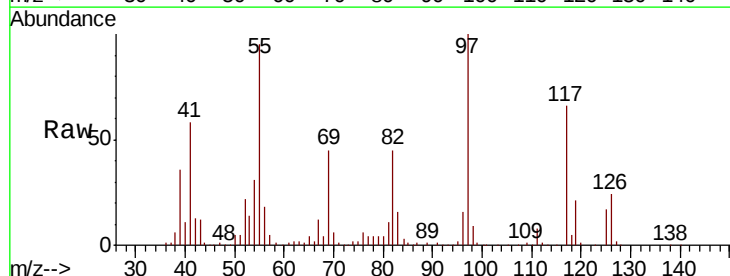
Tgt Ion: 117 Resp: 230215

Ion Ratio Lower Upper

117 100

82 67.4 49.3 73.9

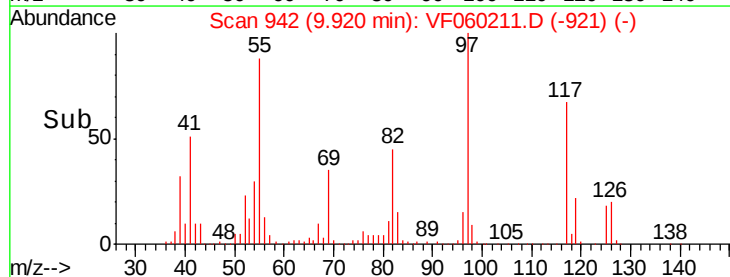
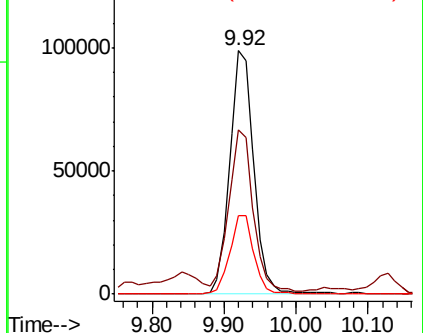
119 32.1 26.5 39.7

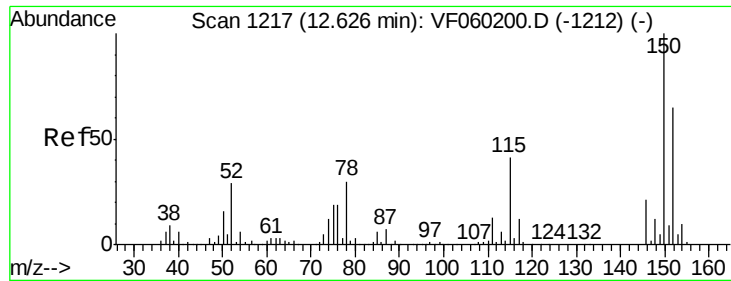


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF060211.D

Acq: 7 Sep 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

EP1-MW-G(7-10)

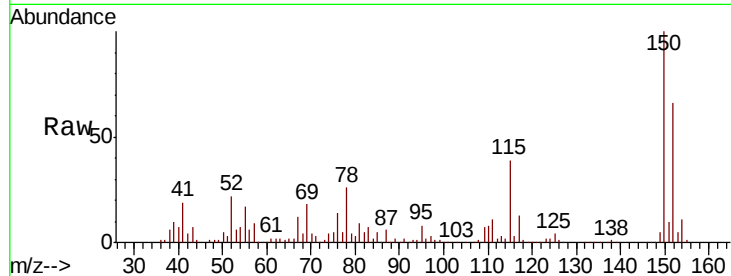
Tot Ion:152 Resp: 168351

Ion Ratio Lower Upper

152 100

115 58.4 31.5 94.5

150 151.7 0.0 310.4

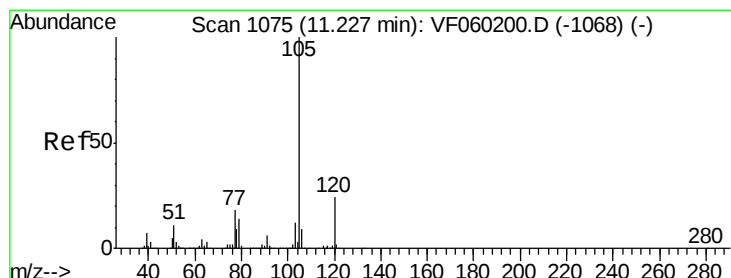
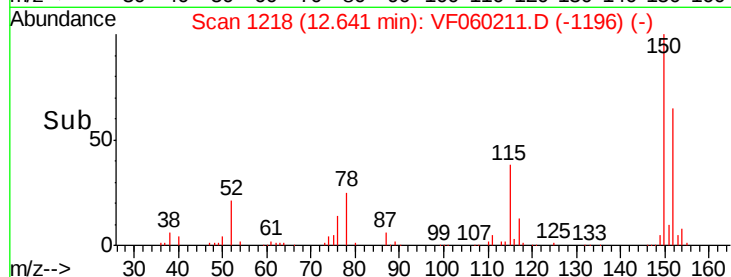
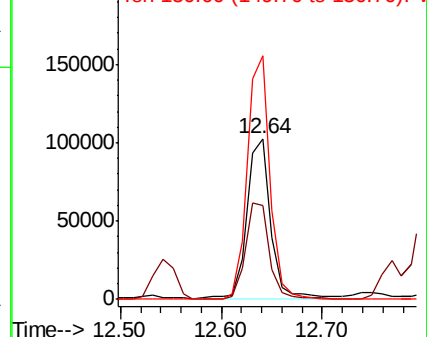


Abundance

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



#73

Isopropylbenzene

Concen: 21.83 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060211.D

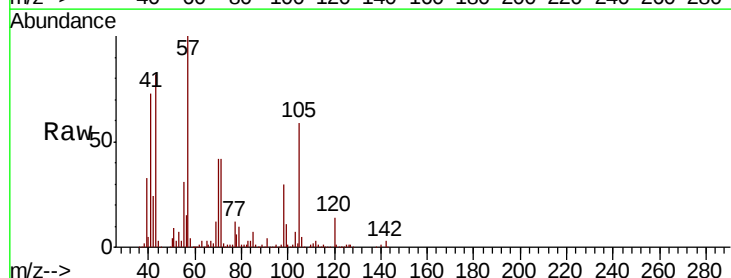
Acq: 7 Sep 2018 15:35

Tgt Ion:105 Resp: 253543

Ion Ratio Lower Upper

105 100

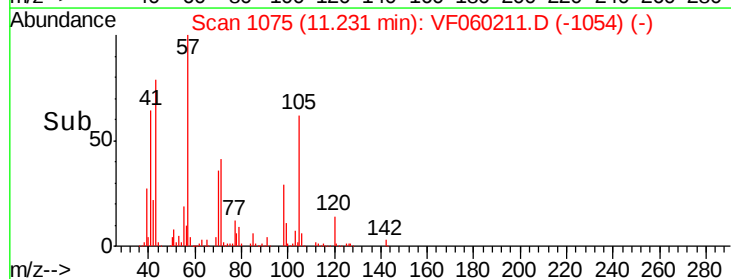
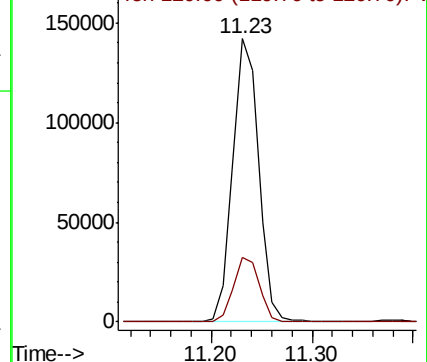
120 22.9 11.8 35.3

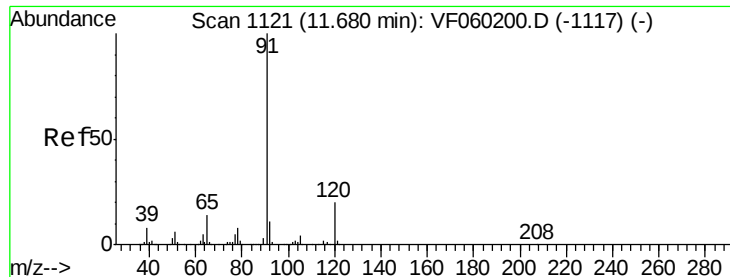


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 70.42 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060211.D

Acq: 7 Sep 2018 15:35

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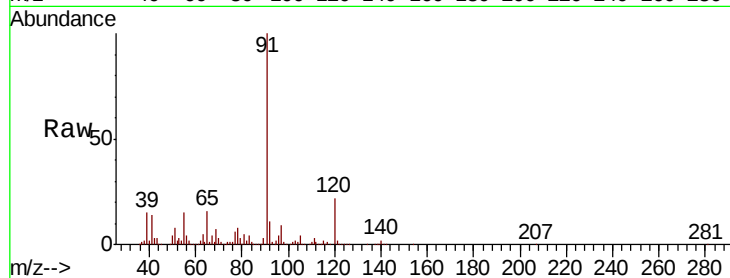
EP1-MW-G(7-10)

Tot Ion: 91 Resp: 979924

Ion Ratio Lower Upper

91 100

120 21.9 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.69

600000

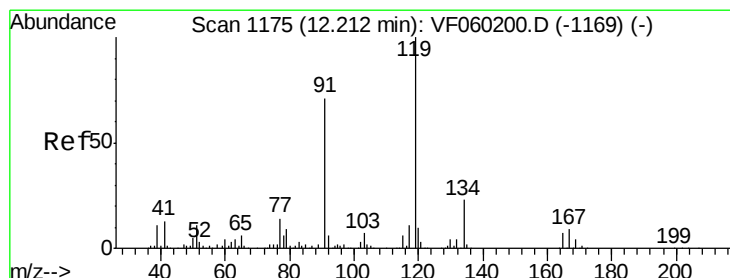
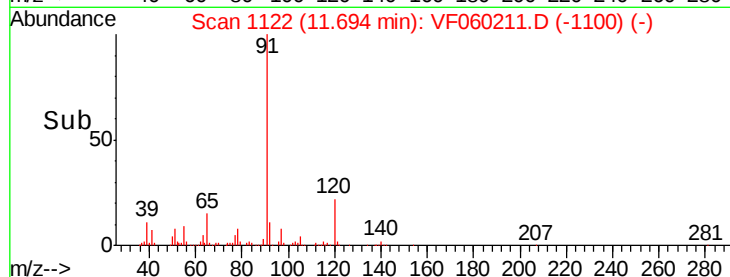
400000

200000

0

11.60 11.70 11.80

Time-->



#83

tert-Butylbenzene

Concen: 20.76 ug/l

RT: 12.22 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VF060211.D

Acq: 7 Sep 2018 15:35

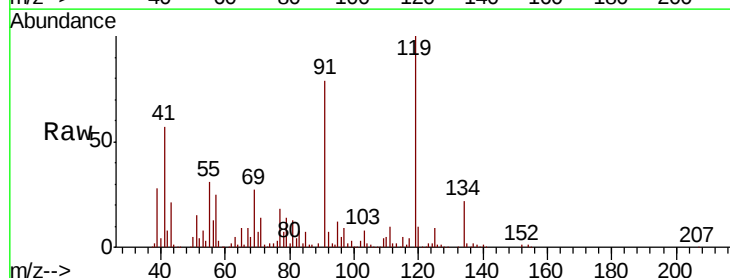
Tgt Ion: 119 Resp: 193966

Ion Ratio Lower Upper

119 100

91 79.0 35.8 107.4

134 21.6 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V

12.22

150000

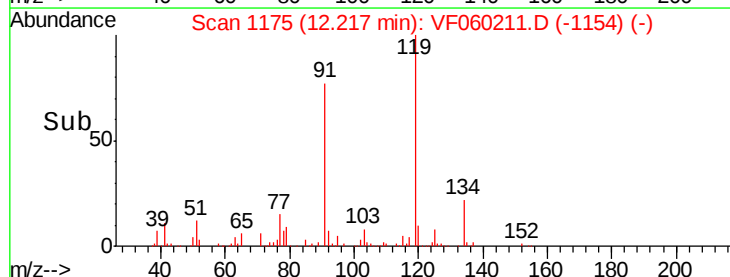
100000

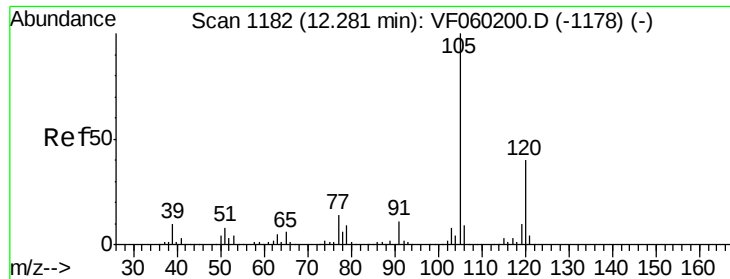
50000

0

12.15 12.20 12.25

Time-->

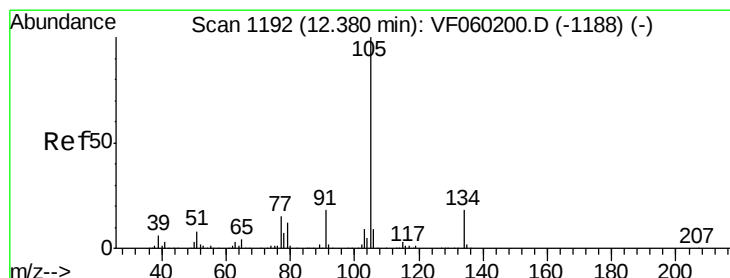
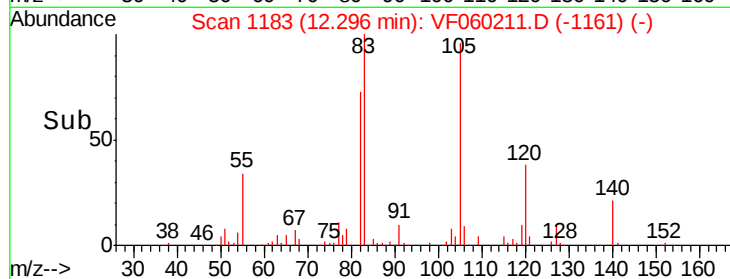
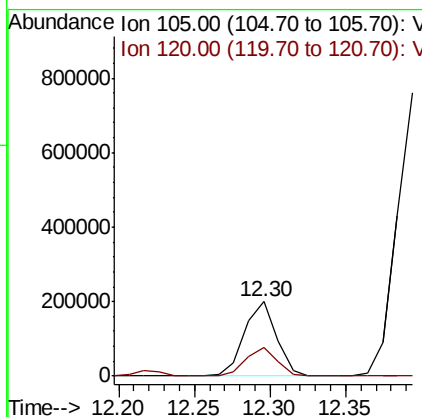
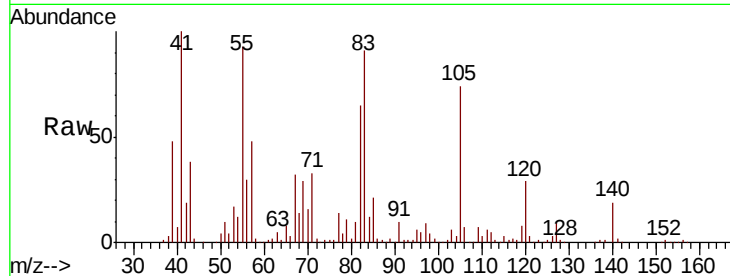




#84
1,2,4-Trimethylbenzene
Concen: 28.41 ug/l
RT: 12.30 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VF060211.D
Acq: 7 Sep 2018 15:35

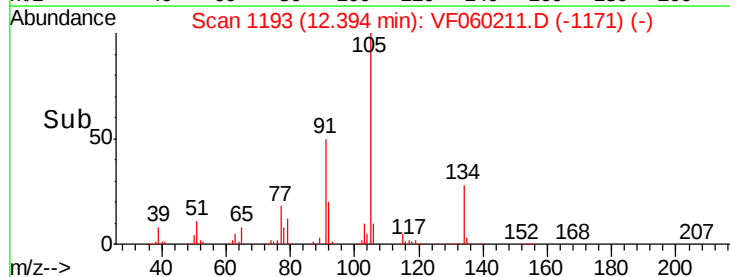
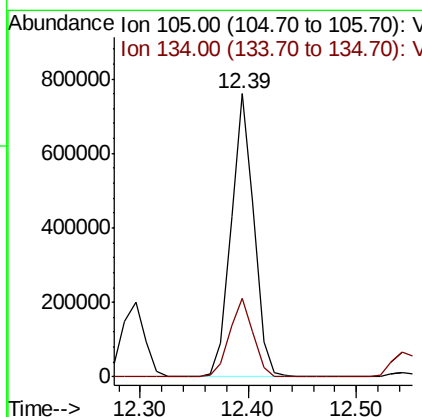
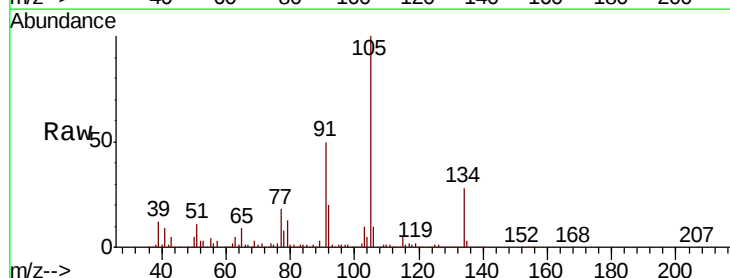
Instrument :
MSVOA_F
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EP1-MW-G(7-10)

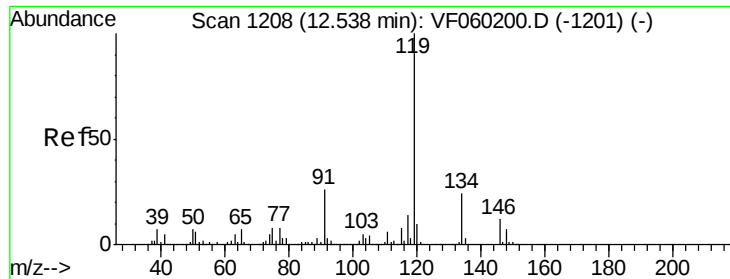
Tot Ion:105 Resp: 295899
Ion Ratio Lower Upper
105 100
120 39.3 20.2 60.5



#85
sec-Butylbenzene
Concen: 85.75 ug/l
RT: 12.39 min Scan# 1193
Delta R.T. 0.01 min
Lab File: VF060211.D
Acq: 7 Sep 2018 15:35

Tgt Ion:105 Resp: 1104936
Ion Ratio Lower Upper
105 100
134 27.7 8.8 26.5#

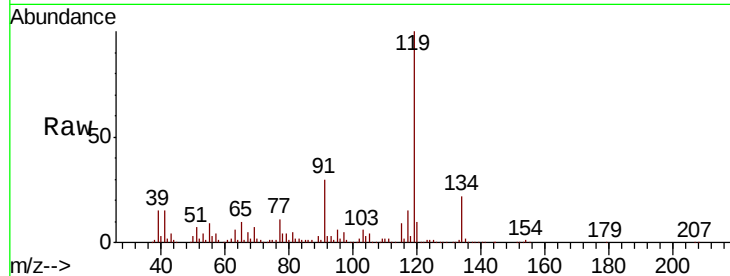




#86
p-Isopropyltoluene
Concen: 40.60 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VF060211.D
Acq: 7 Sep 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
EP1-MW-G(7-10)

Tot Ion	Ratio	Lower	Upper
119	100		
134	22.1	12.0	36.0
91	30.1	12.9	38.7

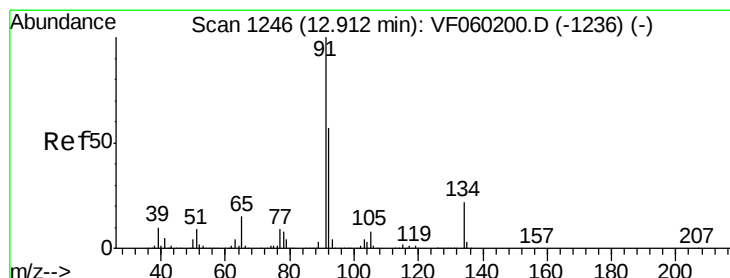
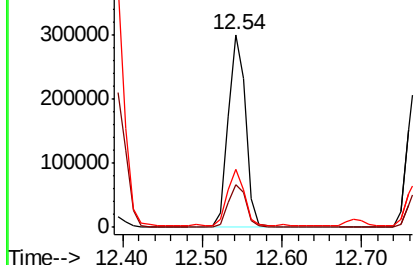
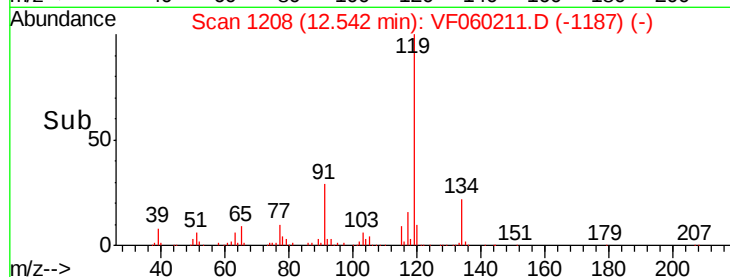


Abundance

Ion 119.00 (118.70 to 119.70): V

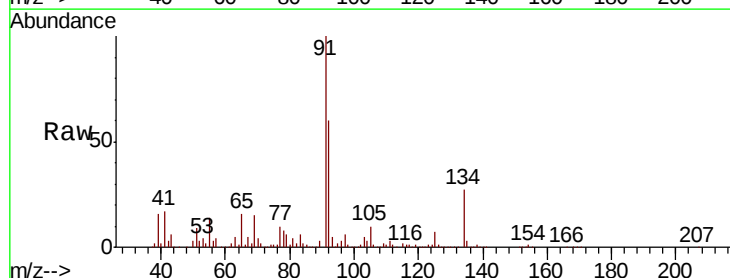
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89
n-Butylbenzene
Concen: 77.13 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060211.D
Acq: 7 Sep 2018 15:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.1	28.4	85.3
134	27.2	11.1	33.3



Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

