

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
 Data File : VF060617.D
 Acq On : 6 Nov 2018 17:26
 Operator : VA/AP
 Sample : J5767-03RE
 Misc : 6.17g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-110118-BRE

Quant Time: Nov 06 17:00:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

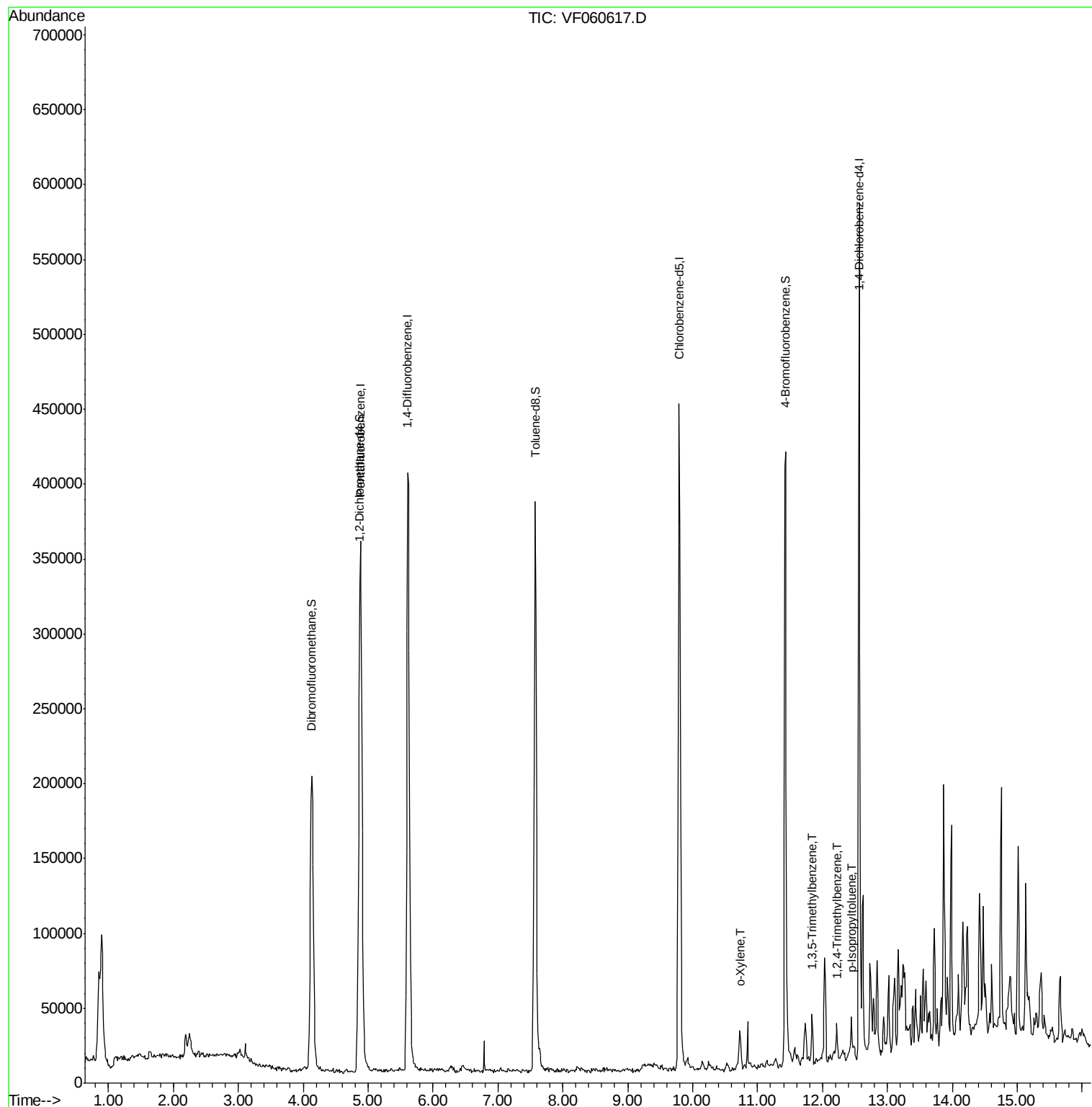
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	272435	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	485151	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	328779	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.57	152	140687	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	150775	54.78	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.56%	
35) Dibromofluoromethane	4.13	113	199350	53.18	ug/l	0.02
Spiked Amount 50.000			Recovery	=	106.36%	
50) Toluene-d8	7.57	98	327941	29.53	ug/l	0.01
Spiked Amount 50.000			Recovery	=	59.06%	
62) 4-Bromofluorobenzene	11.42	95	173830	35.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.58%	
Target Compounds						
69) o-Xylene	10.73	106	7739	1.542	ug/l	70
80) 1,3,5-Trimethylbenzene	11.84	105	16212	1.793	ug/l	100
84) 1,2,4-Trimethylbenzene	12.22	105	12140	1.371	ug/l	95
86) p-Isopropyltoluene	12.45	119	15901	1.519	ug/l	98

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF060617.D

Acq: 6 Nov 2018 17:26

Instrument :

MSVOA_F

ClientSampleId :

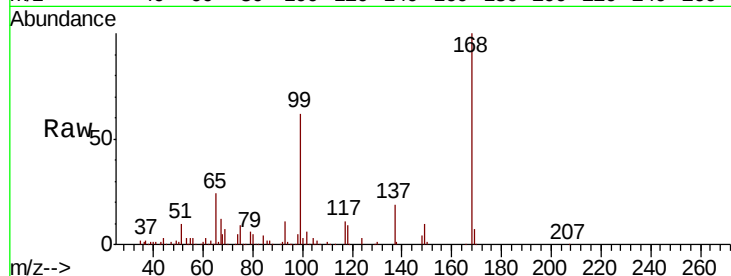
CL-02-110118-BRE

Tot Ion:168 Resp: 272435

Ion Ratio Lower Upper

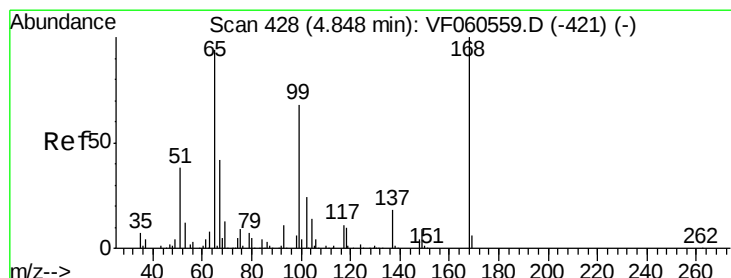
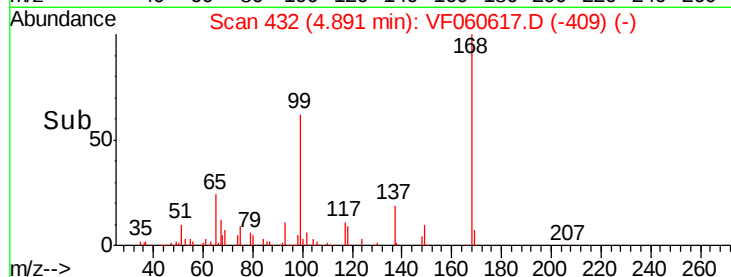
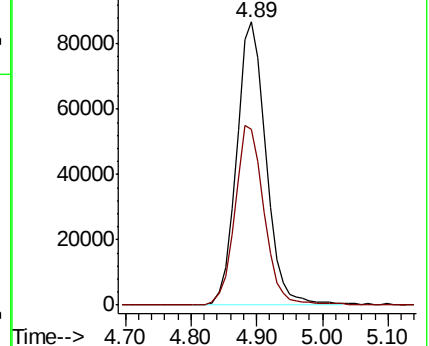
168 100

99 62.2 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 54.775 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.01 min

Lab File: VF060617.D

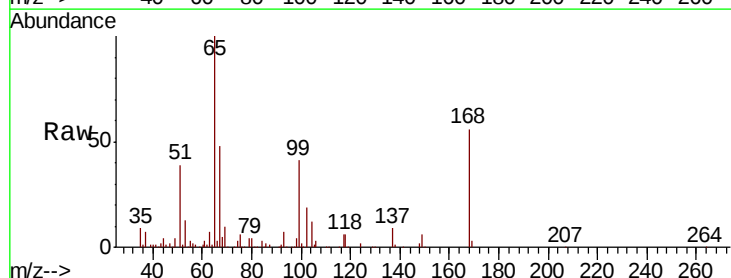
Acq: 6 Nov 2018 17:26

Tgt Ion: 65 Resp: 150775

Ion Ratio Lower Upper

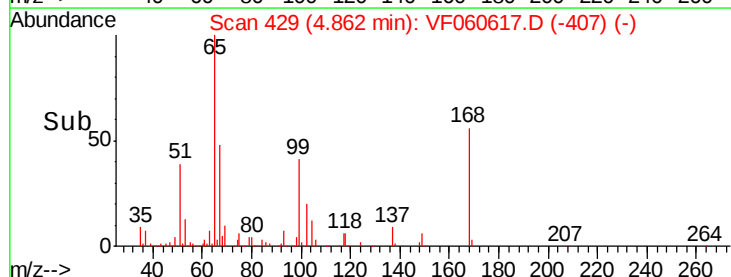
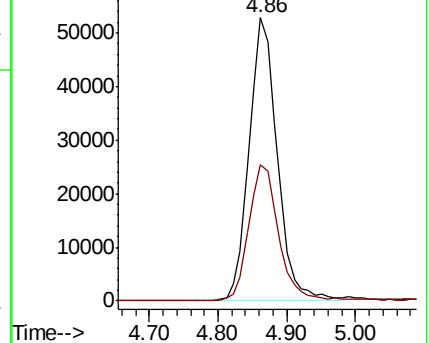
65 100

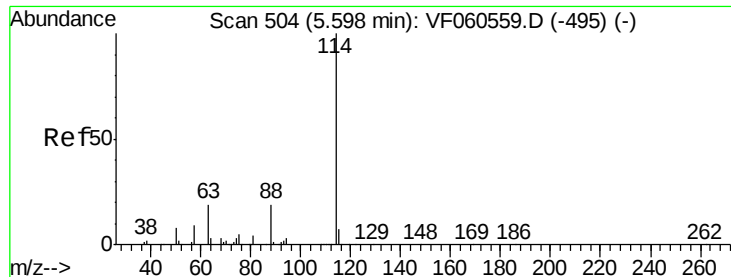
67 48.2 0.0 101.8



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: 5.62 min Scan# 506

Delta R.T. 0.02 min

Lab File: VF060617.D

Acq: 6 Nov 2018 17:26

Instrument :

MSVOA_F

ClientSampleId :

CL-02-110118-BRE

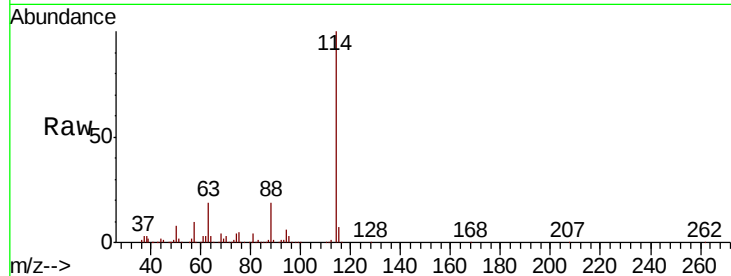
Tot Ion:114 Resp: 485151

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.0

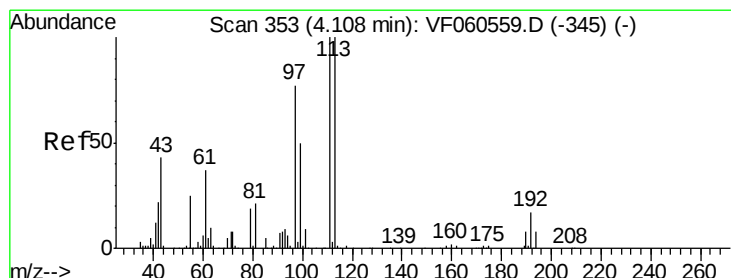
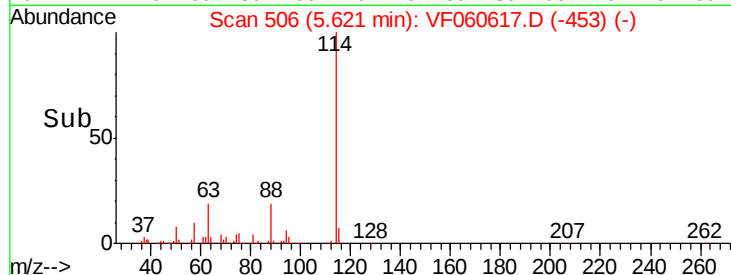
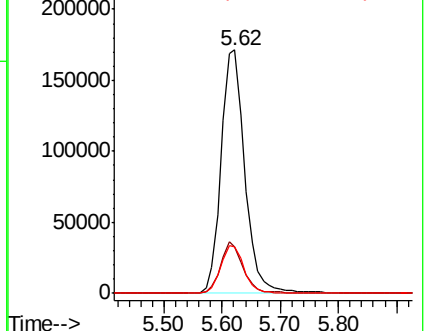
88 18.9 0.0 38.2



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: 53.185 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF060617.D

Acq: 6 Nov 2018 17:26

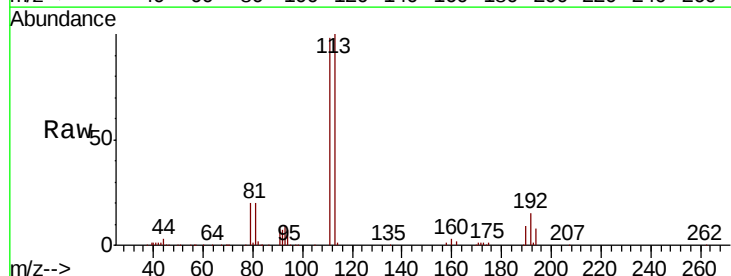
Tgt Ion:113 Resp: 199350

Ion Ratio Lower Upper

113 100

111 98.3 79.9 119.9

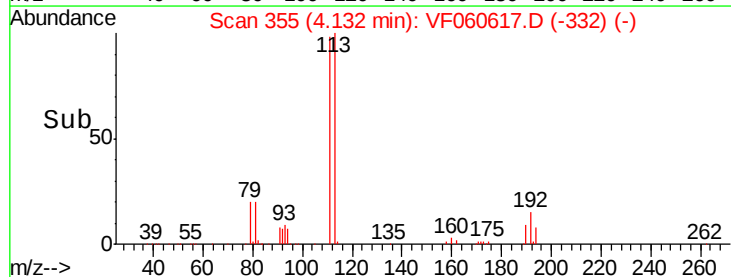
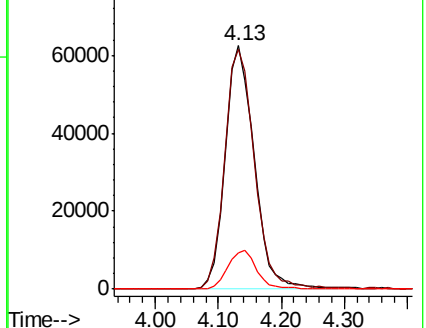
192 15.0 13.3 19.9



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: 29.535 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF060617.D

Acq: 6 Nov 2018 17:26

Instrument :

MSVOA_F

ClientSampleId :

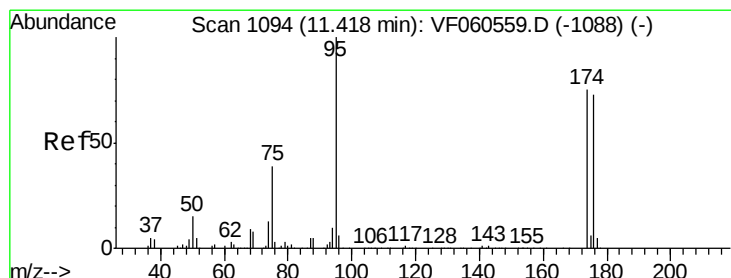
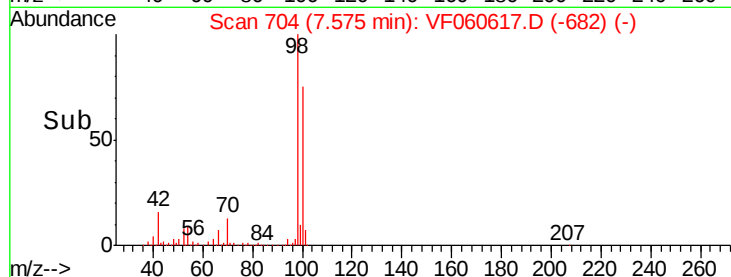
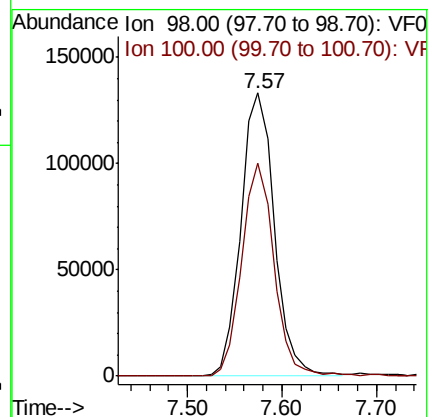
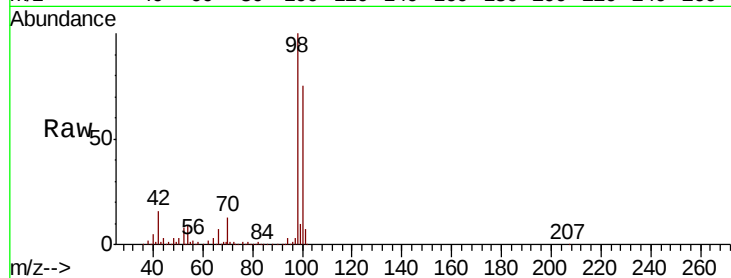
CL-02-110118-BRE

Tot Ion: 98 Resp: 327941

Ion Ratio Lower Upper

98 100

100 75.1 59.4 89.2



#62

4-Bromofluorobenzene

Concen: 35.791 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060617.D

Acq: 6 Nov 2018 17:26

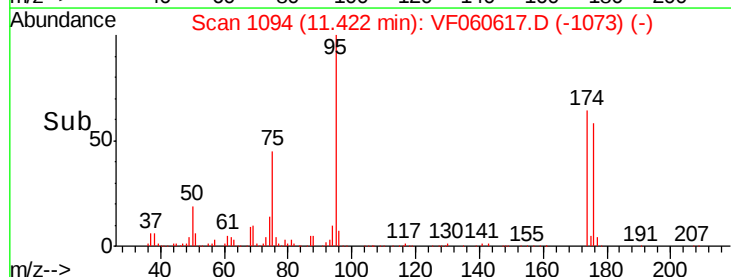
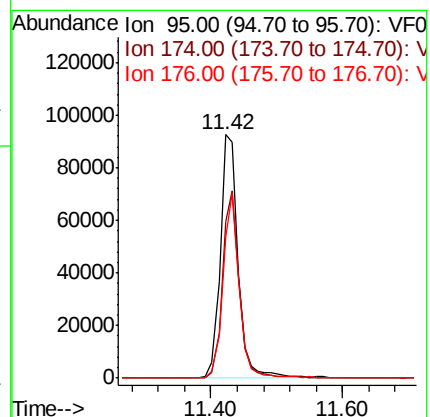
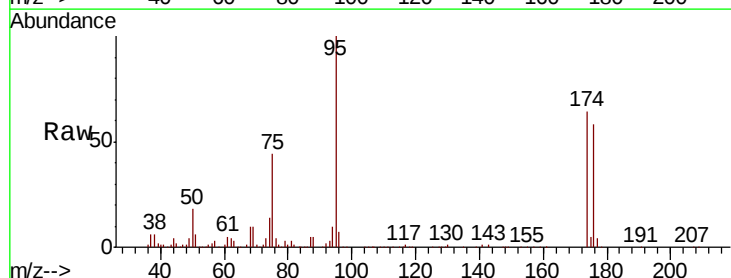
Tgt Ion: 95 Resp: 173830

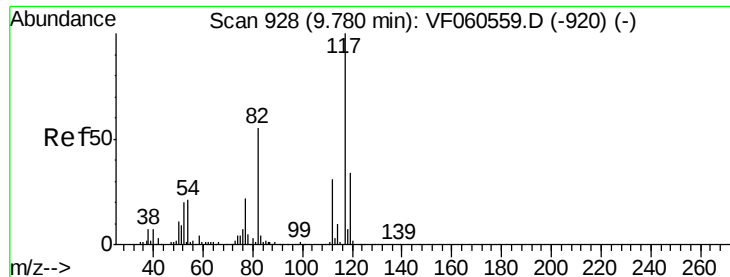
Ion Ratio Lower Upper

95 100

174 64.2 0.0 149.0

176 58.2 0.0 145.6

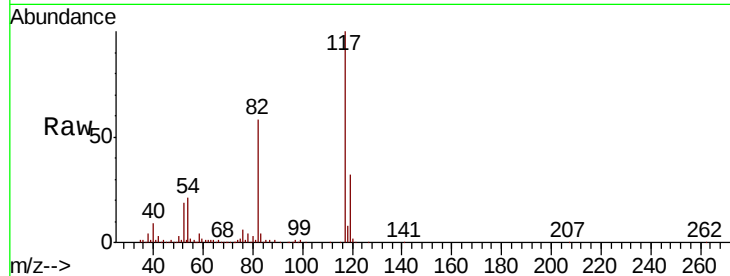




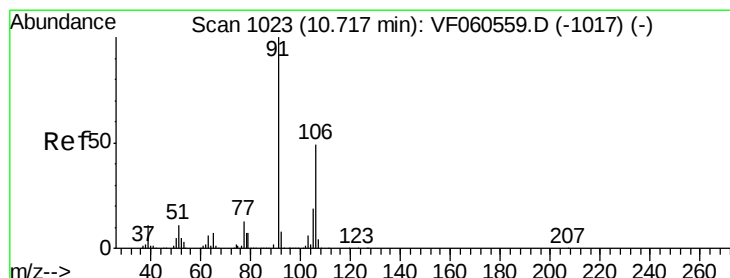
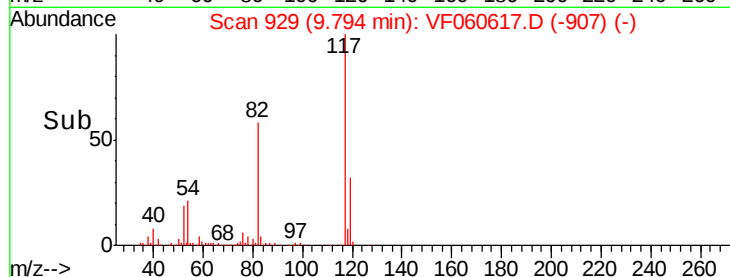
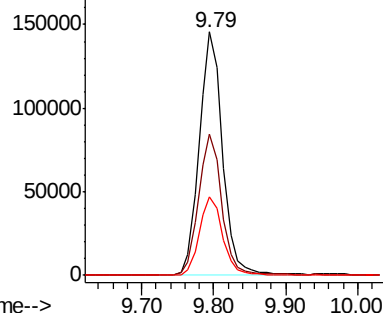
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF060617.D
Acq: 6 Nov 2018 17:26

Instrument :
MSVOA_F
ClientSampleId :
CL-02-110118-BRE

Tot Ion:117 Resp: 328779
Ion Ratio Lower Upper
117 100
82 58.0 43.9 65.9
119 32.0 27.4 41.0

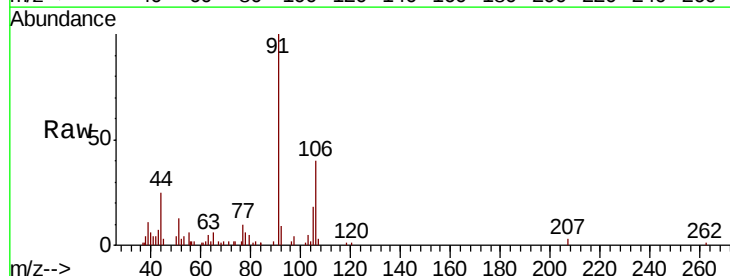


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

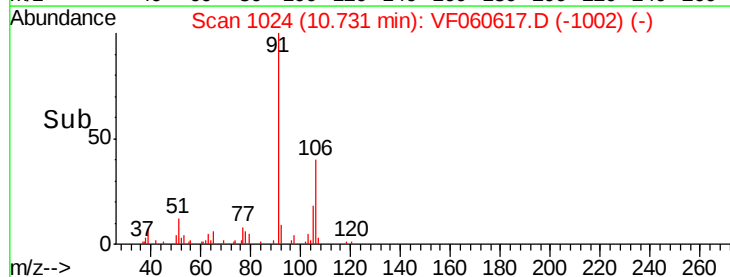
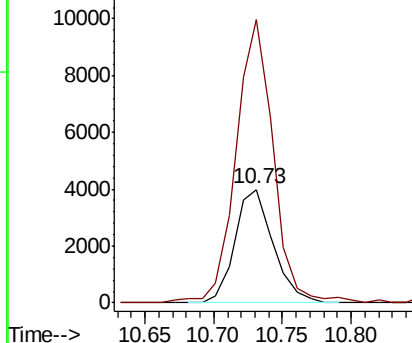


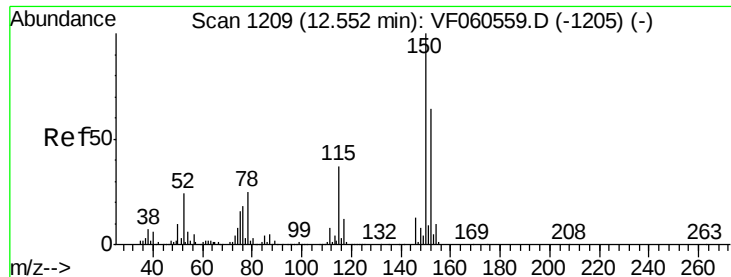
#69
o-Xylene
Concen: 1.542 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VF060617.D
Acq: 6 Nov 2018 17:26

Tgt Ion:106 Resp: 7739
Ion Ratio Lower Upper
106 100
91 248.9 101.8 305.3



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: 12.57 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF060617.D

Acq: 6 Nov 2018 17:26

Instrument :

MSVOA_F

ClientSampleId :

CL-02-110118-BRE

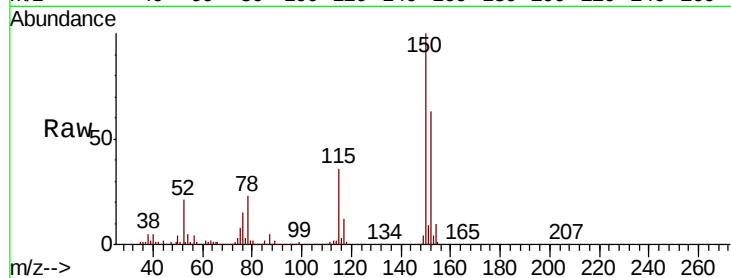
Tot Ion:152 Resp: 140687

Ion Ratio Lower Upper

152 100

115 56.2 29.6 88.8

150 157.8 0.0 315.6

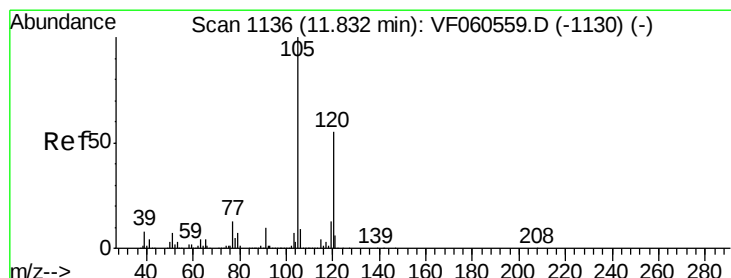
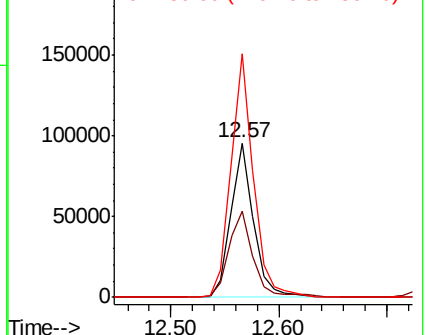
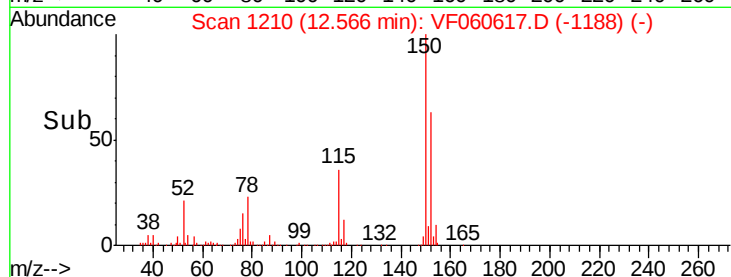


Abundance

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



#80

1,3,5-Trimethylbenzene

Concen: 1.793 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060617.D

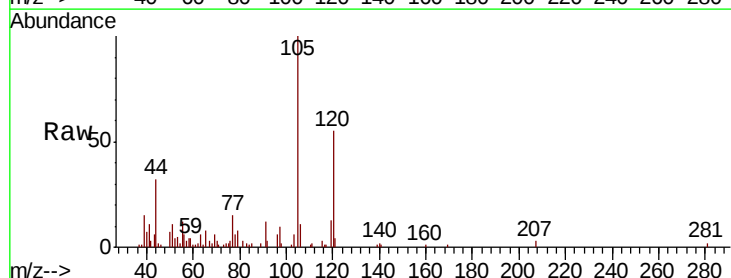
Acq: 6 Nov 2018 17:26

Tgt Ion:105 Resp: 16212

Ion Ratio Lower Upper

105 100

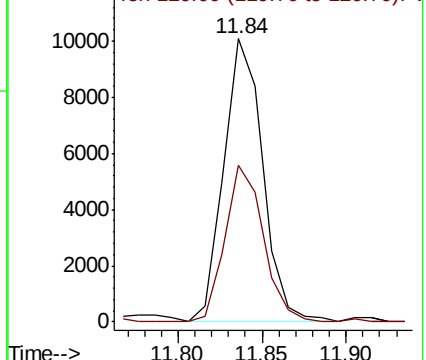
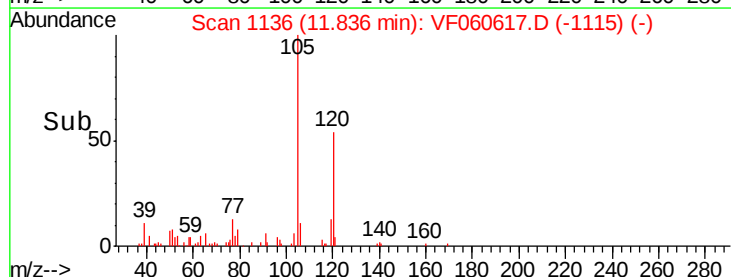
120 55.3 27.6 82.8

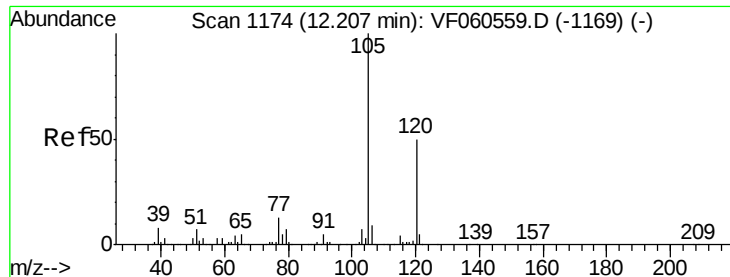


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

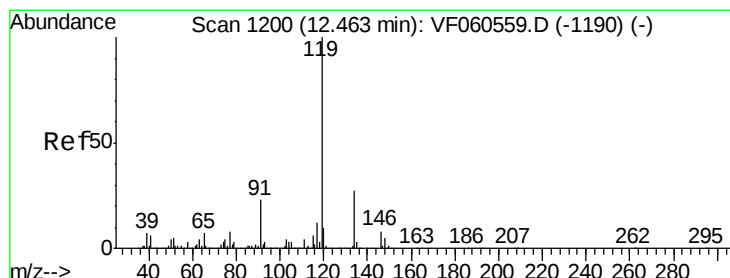
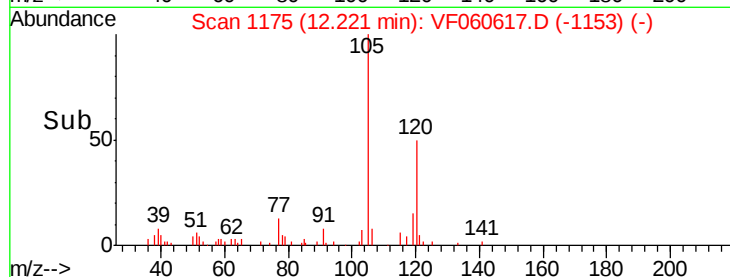
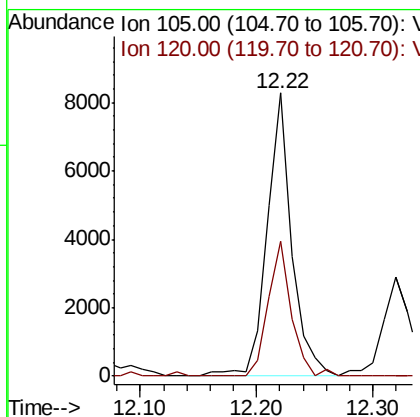
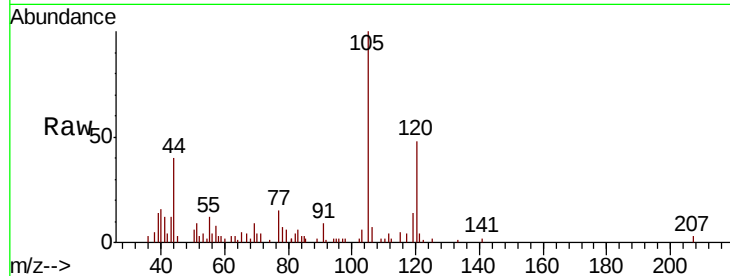




#84
 1,2,4-Trimethylbenzene
 Concen: 1.371 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VF060617.D
 Acq: 6 Nov 2018 17:26

Instrument :
 MSVOA_F
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 CL-02-110118-BRE

Tot Ion:105 Resp: 12140
 Ion Ratio Lower Upper
 105 100
 120 47.5 25.6 76.8



#86
 p-Isopropyltoluene
 Concen: 1.519 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: VF060617.D
 Acq: 6 Nov 2018 17:26

Tgt Ion:119 Resp: 15901
 Ion Ratio Lower Upper
 119 100
 134 28.5 13.6 40.7
 91 22.6 11.4 34.2

