

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060248.D
 Acq On : 10 Sep 2018 21:23
 Operator : VA/AP
 Sample : J4775-03RE
 Misc : 6.21/5mL/MSVOA F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-090618-BRE

Quant Time: Sep 11 11:01:51 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

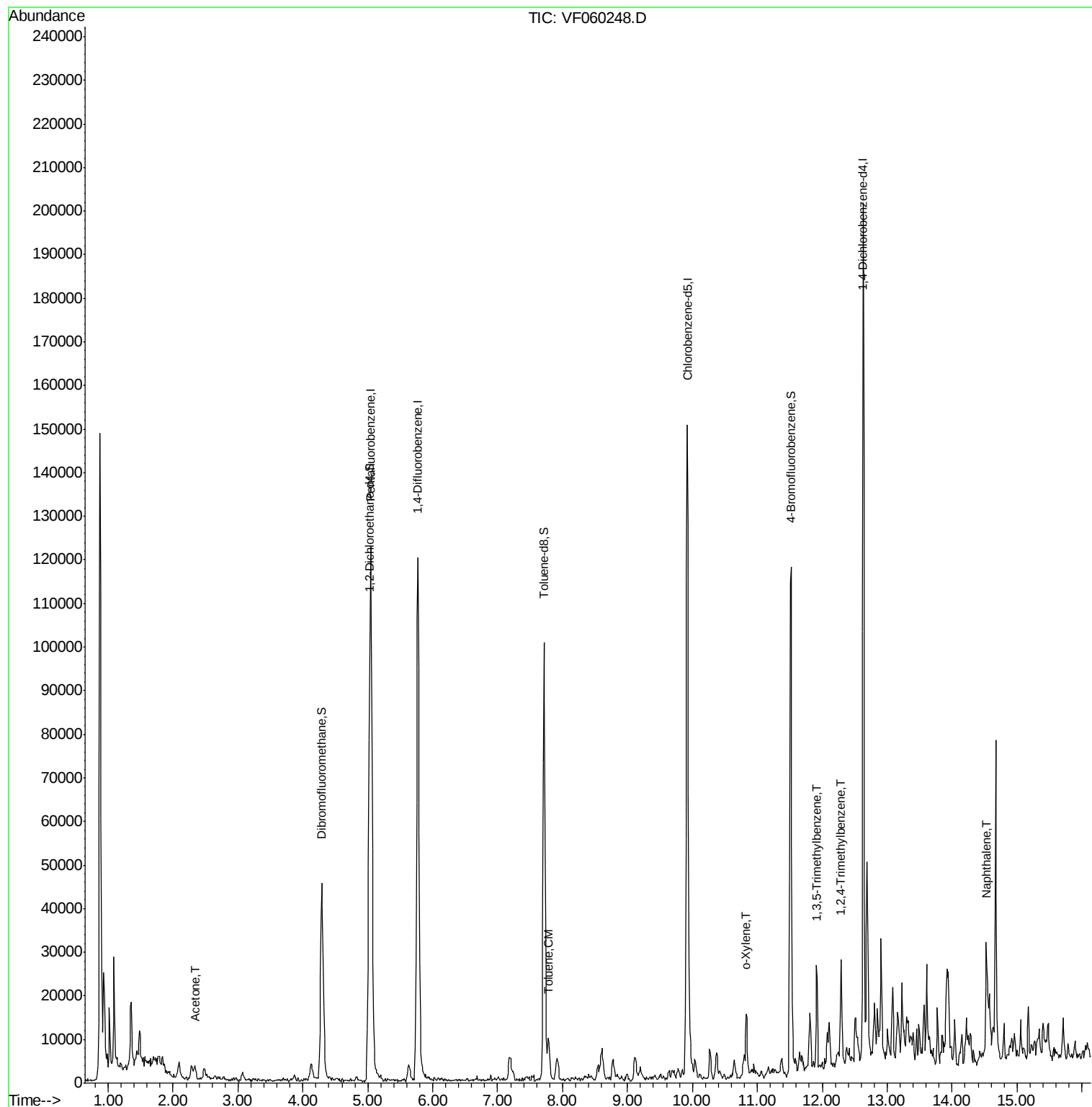
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	90527	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	119236	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	96102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	47521	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	48700	30.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.58%	
35) Dibromofluoromethane	4.29	113	40812	34.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.88%	
50) Toluene-d8	7.71	98	78559	26.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	53.90%	
62) 4-Bromofluorobenzene	11.51	95	42265	25.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	51.40%	
Target Compounds						
16) Acetone	2.33	43	3781	20.21	ug/l	Qvalue # 84
52) Toluene	7.78	92	4001	2.07	ug/l	80
69) o-Xylene	10.84	106	3494	2.63	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	13145	4.54	ug/l	79
84) 1,2,4-Trimethylbenzene	12.29	105	13310	4.53	ug/l	99
95) Naphthalene	14.52	128	17355	11.76	ug/l	98

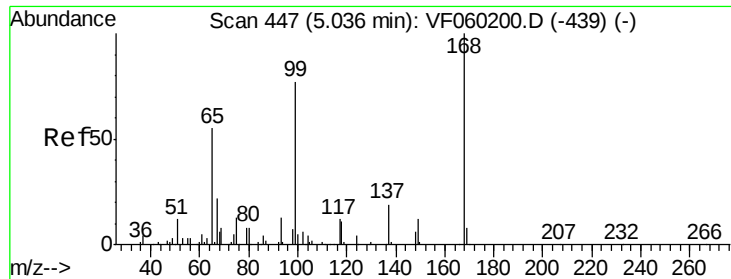
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF060248.D

Acq: 10 Sep 2018 21:23

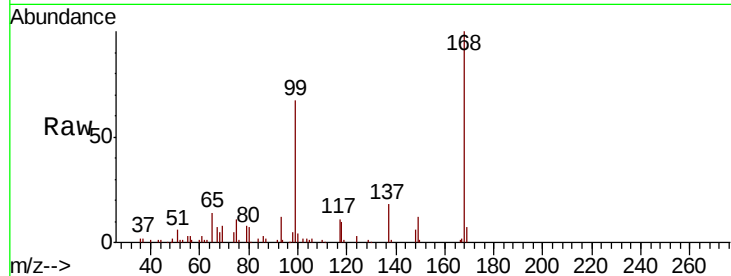
Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tot Ion:168 Resp: 90527

Ion Ratio Lower Upper

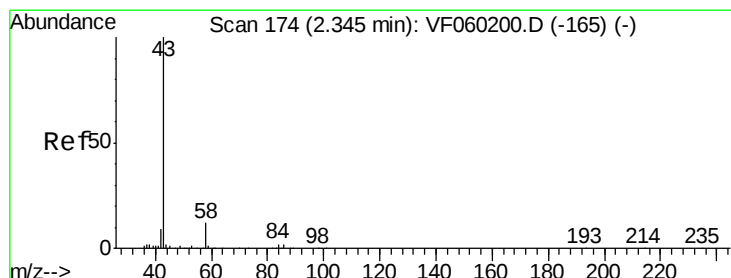
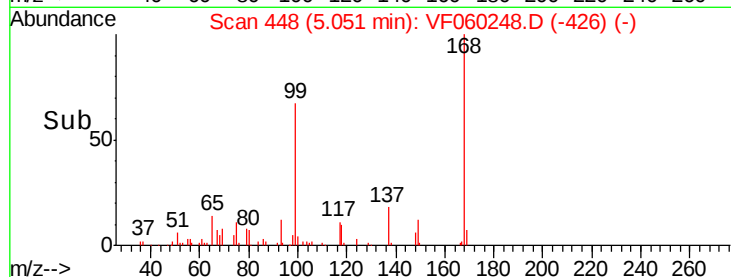
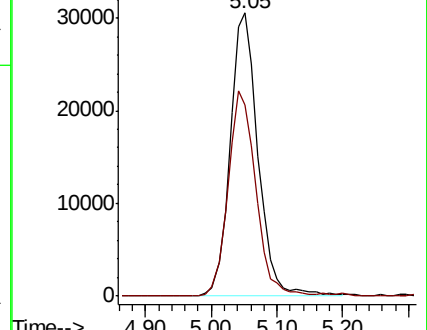
168 100

99 67.4 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 20.21 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060248.D

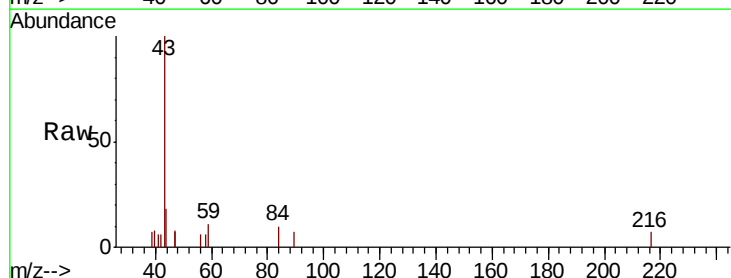
Acq: 10 Sep 2018 21:23

Tgt Ion: 43 Resp: 3781

Ion Ratio Lower Upper

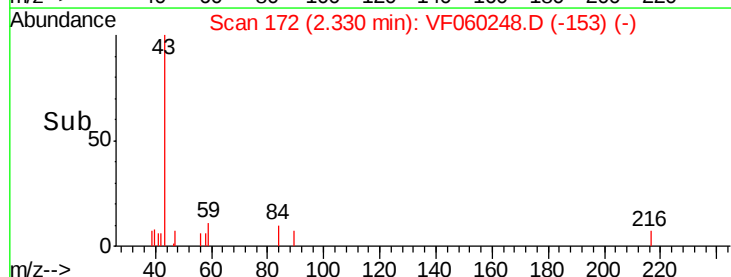
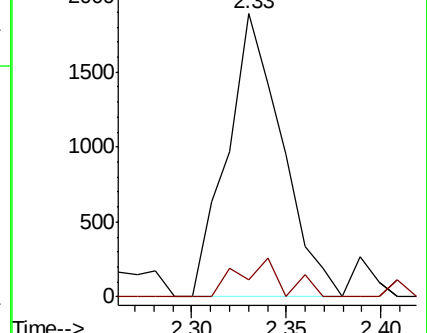
43 100

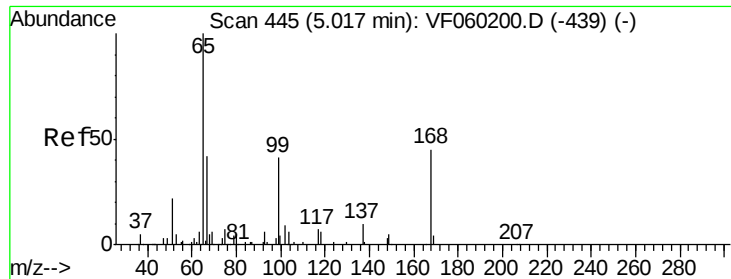
58 5.9 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

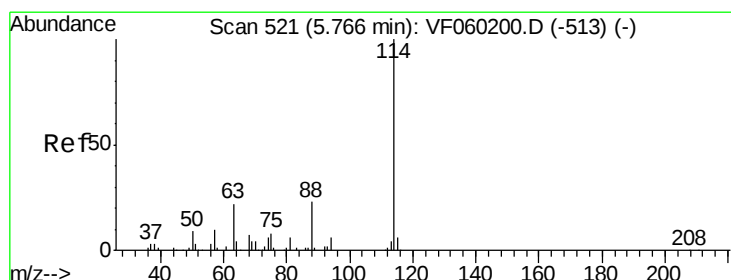
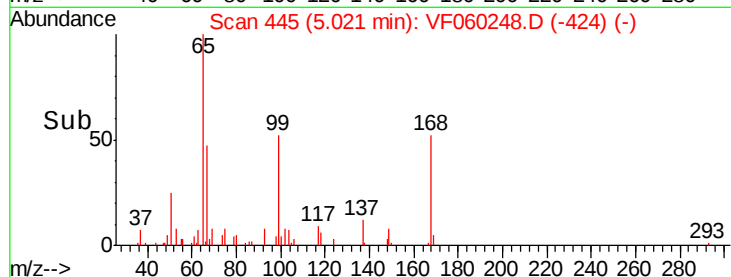
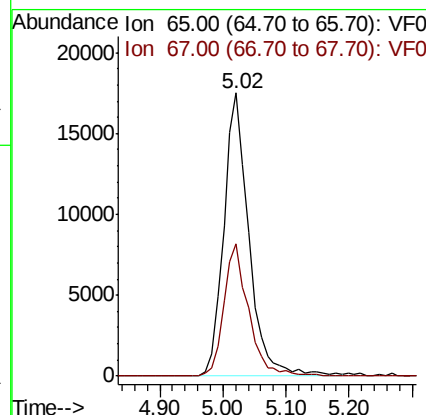
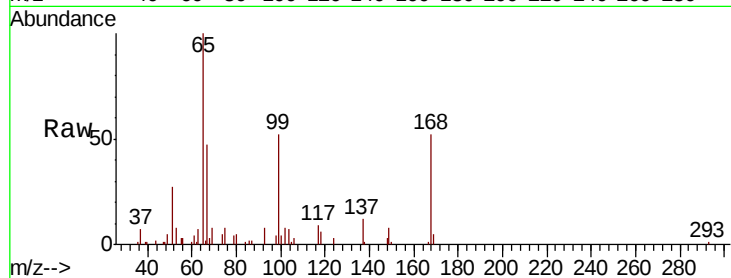




#33
 1,2-Dichloroethane-d4
 Concen: 30.79 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VF060248.D
 Acq: 10 Sep 2018 21:23

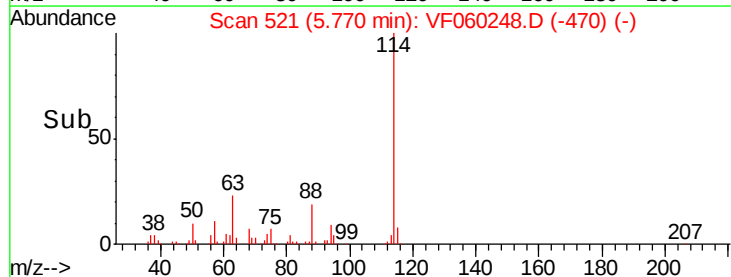
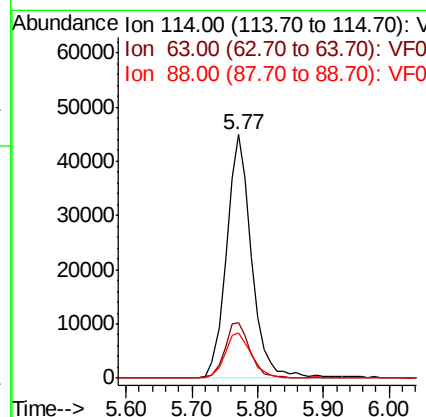
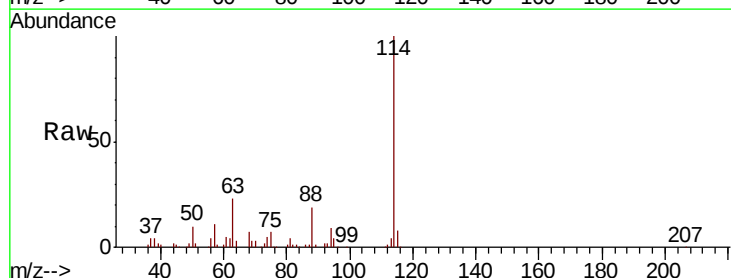
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-090618-BRE

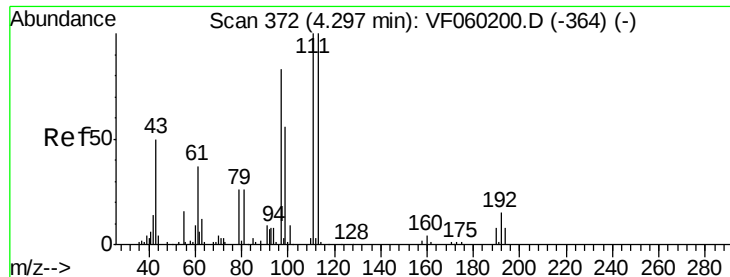
Tot Ion: 65 Resp: 48700
 Ion Ratio Lower Upper
 65 100
 67 46.7 0.0 87.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF060248.D
 Acq: 10 Sep 2018 21:23

Tgt Ion: 114 Resp: 119236
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 18.7 0.0 46.4





#35

Dibromofluoromethane

Concen: 34.94 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060248.D

Acq: 10 Sep 2018 21:23

Instrument :

MSVOA_F

ClientSampleId :

OR-02-090618-BRE

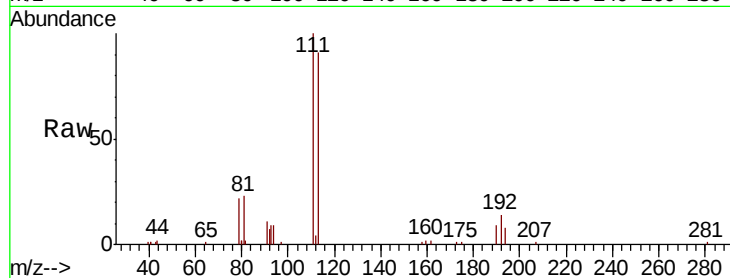
Tot Ion:113 Resp: 40812

Ion Ratio Lower Upper

113 100

111 109.6 80.2 120.2

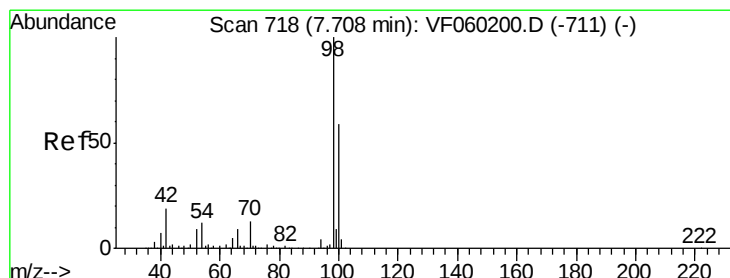
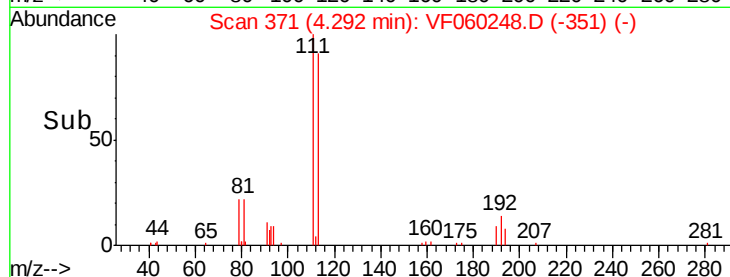
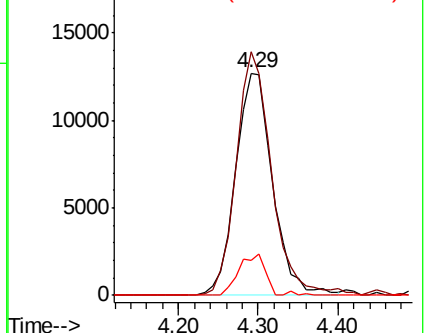
192 15.7 11.8 17.8



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: 26.95 ug/l

RT: 7.71 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF060248.D

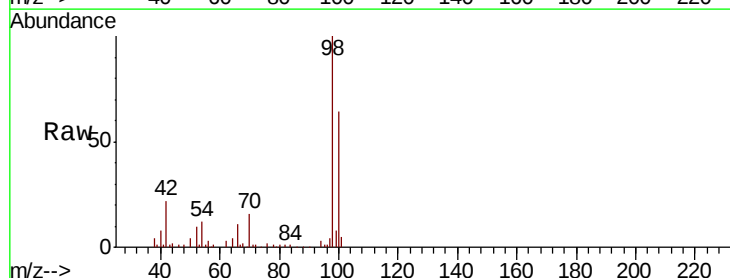
Acq: 10 Sep 2018 21:23

Tgt Ion: 98 Resp: 78559

Ion Ratio Lower Upper

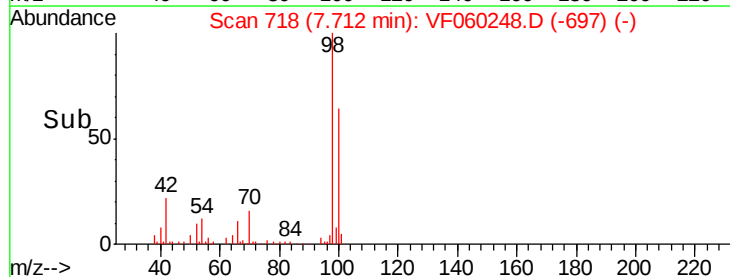
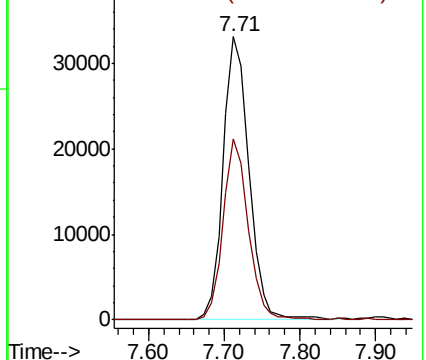
98 100

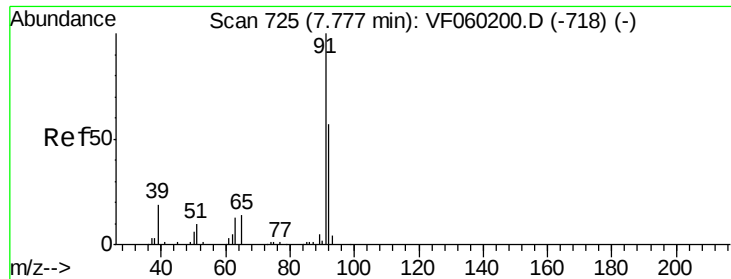
100 64.0 47.4 71.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#52

Toluene

Concen: 2.07 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060248.D

Acq: 10 Sep 2018 21:23

Instrument :

MSVOA_F

ClientSampleId :

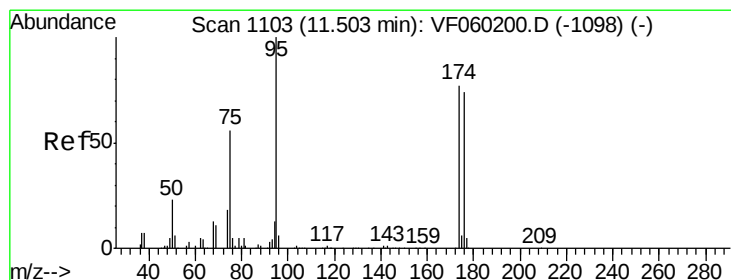
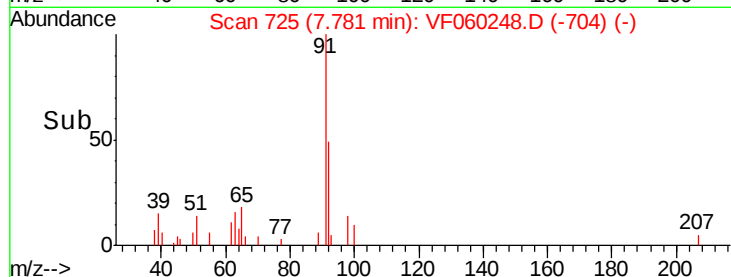
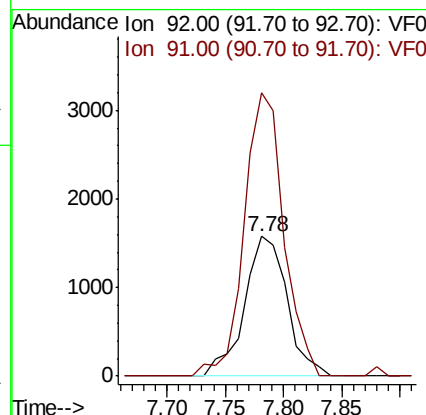
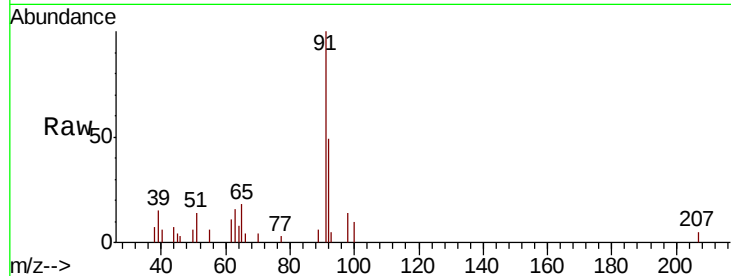
OR-02-090618-BRE

Tot Ion: 92 Resp: 4001

Ion Ratio Lower Upper

92 100

91 202.3 140.0 210.0



#62

4-Bromofluorobenzene

Concen: 25.70 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060248.D

Acq: 10 Sep 2018 21:23

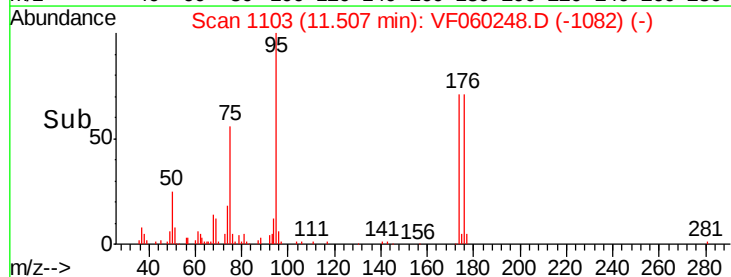
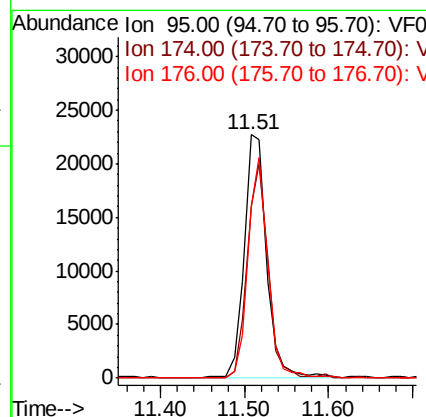
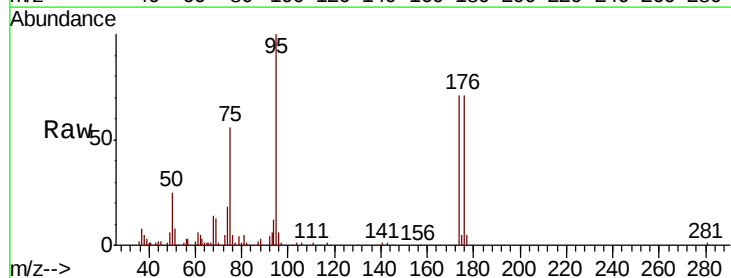
Tgt Ion: 95 Resp: 42265

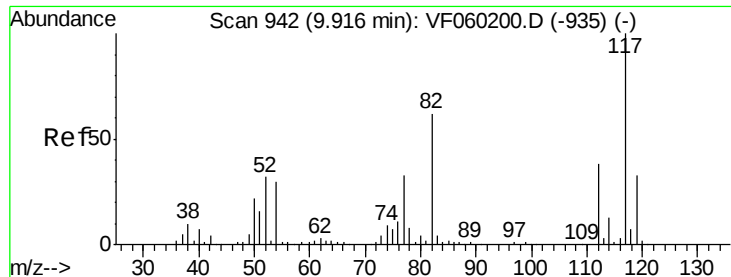
Ion Ratio Lower Upper

95 100

174 70.7 0.0 153.2

176 70.8 0.0 147.2

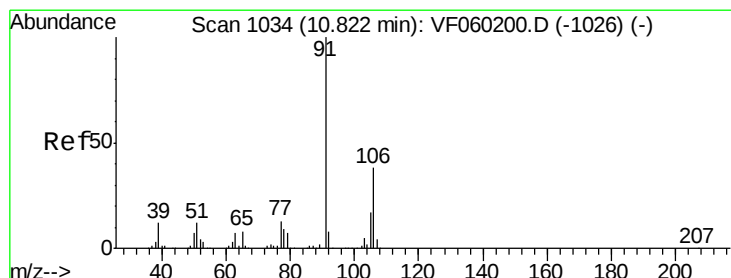
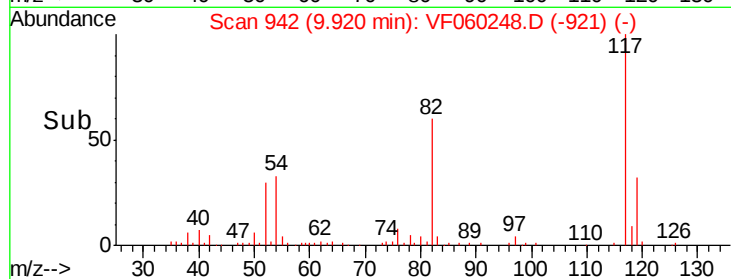
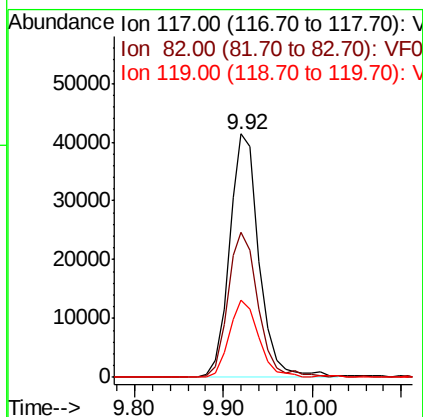
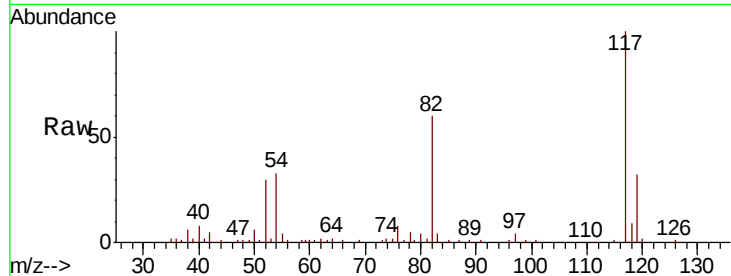




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

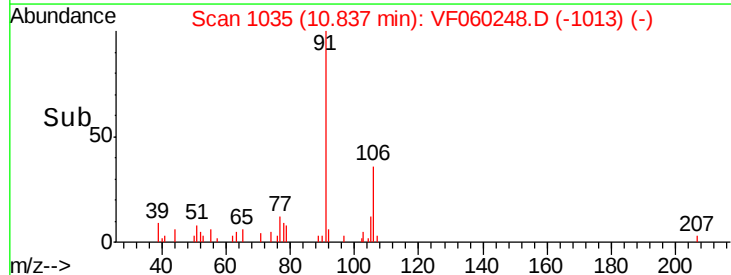
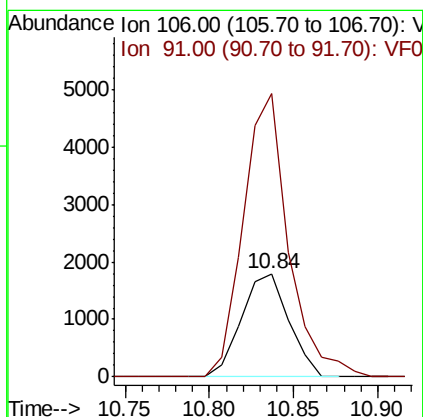
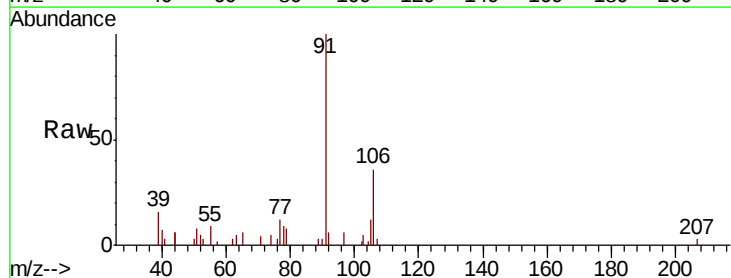
Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

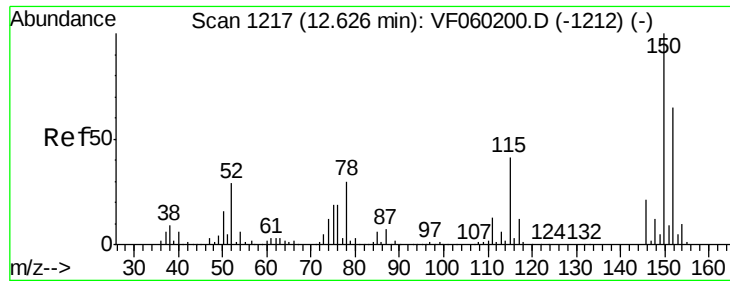
Tot Ion:117 Resp: 96102
Ion Ratio Lower Upper
117 100
82 59.5 49.3 73.9
119 31.8 26.5 39.7



#69
o-Xylene
Concen: 2.63 ug/l
RT: 10.84 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion:106 Resp: 3494
Ion Ratio Lower Upper
106 100
91 274.1 130.5 391.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060248.D

Acq: 10 Sep 2018 21:23

Instrument :

MSVOA_F

ClientSampleId :

OR-02-090618-BRE

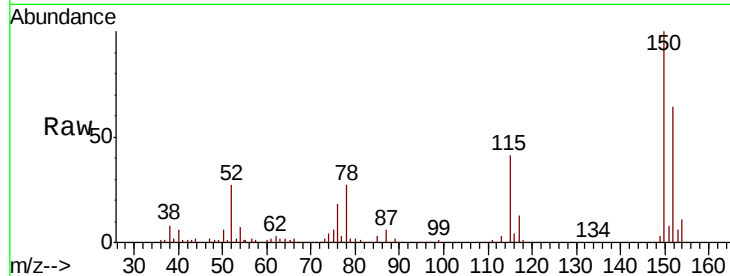
Tot Ion:152 Resp: 47521

Ion Ratio Lower Upper

152 100

115 63.8 31.5 94.5

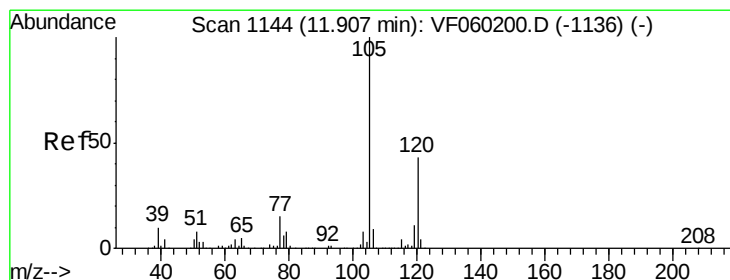
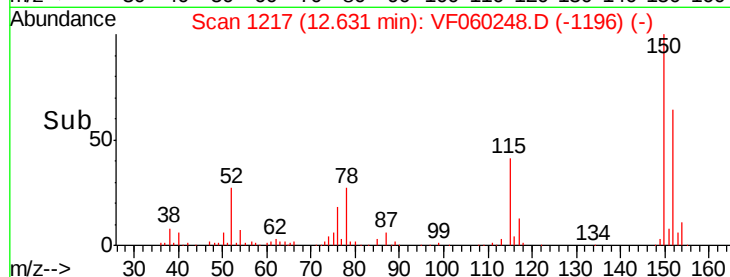
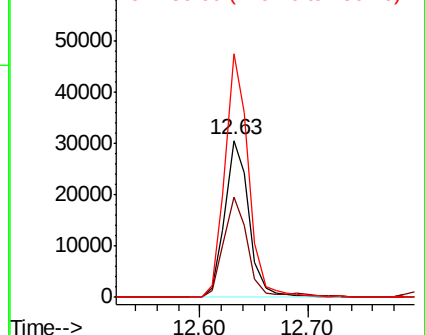
150 155.5 0.0 310.4



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



#80

1,3,5-Trimethylbenzene

Concen: 4.54 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060248.D

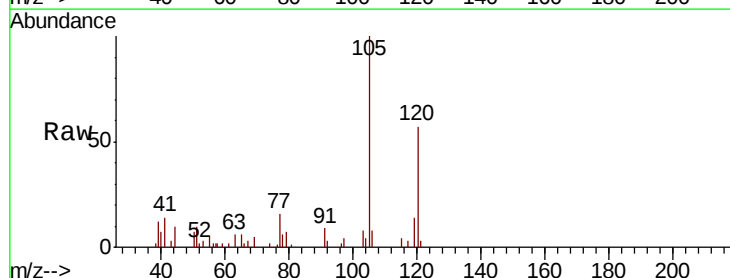
Acq: 10 Sep 2018 21:23

Tgt Ion:105 Resp: 13145

Ion Ratio Lower Upper

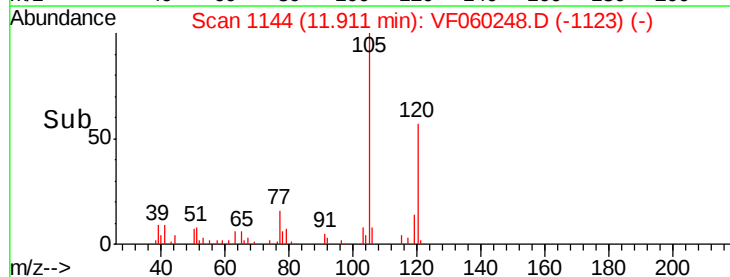
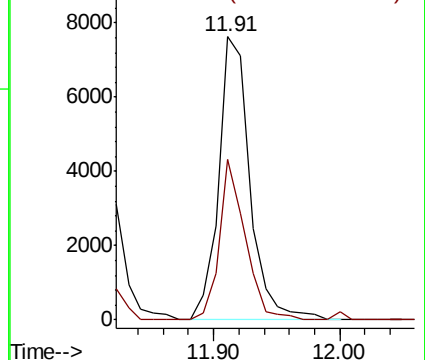
105 100

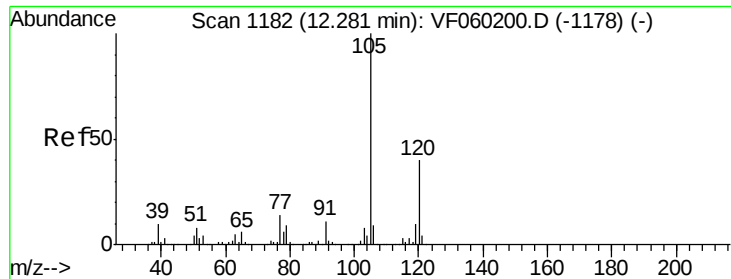
120 56.5 21.6 64.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

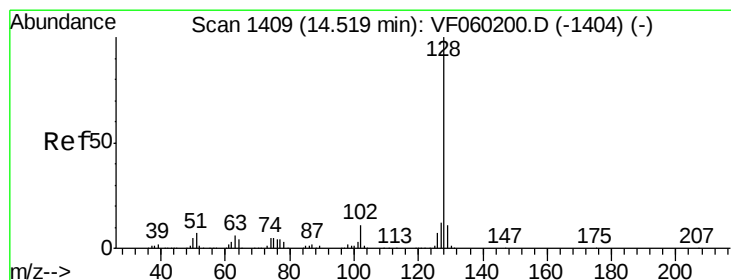
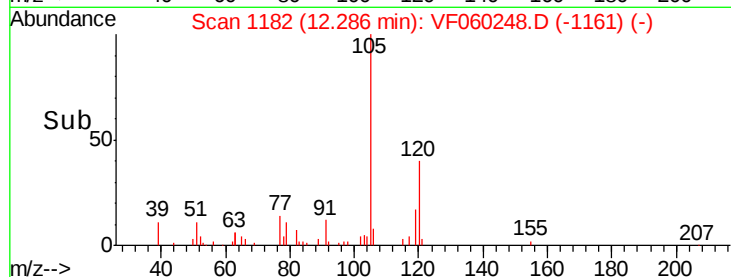
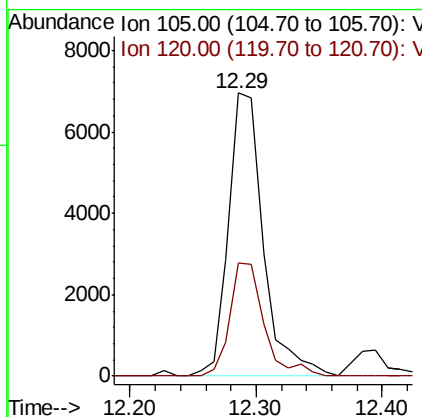
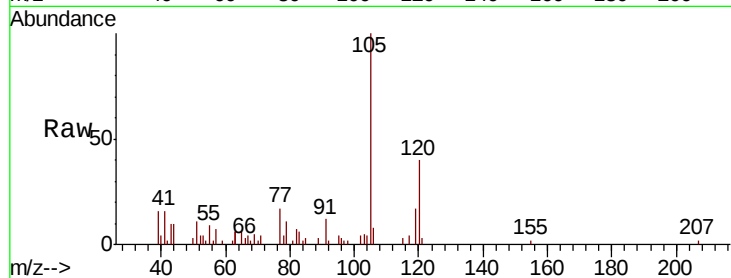




#84
 1,2,4-Trimethylbenzene
 Concen: 4.53 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060248.D
 Acq: 10 Sep 2018 21:23

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-090618-BRE

Tot Ion:105 Resp: 13310
 Ion Ratio Lower Upper
 105 100
 120 39.8 20.2 60.5



#95
 Naphthalene
 Concen: 11.76 ug/l
 RT: 14.52 min Scan# 1409
 Delta R.T. 0.01 min
 Lab File: VF060248.D
 Acq: 10 Sep 2018 21:23

Tgt Ion:128 Resp: 17355
 Ion Ratio Lower Upper
 128 100
 127 10.7 9.9 14.9
 129 11.2 8.9 13.3

