

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
 Data File : VF061004.D
 Acq On : 12 Dec 2018 19:14
 Operator : VA/AP
 Sample : J6344-01RE
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200027RE

Quant Time: Dec 13 02:46:24 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

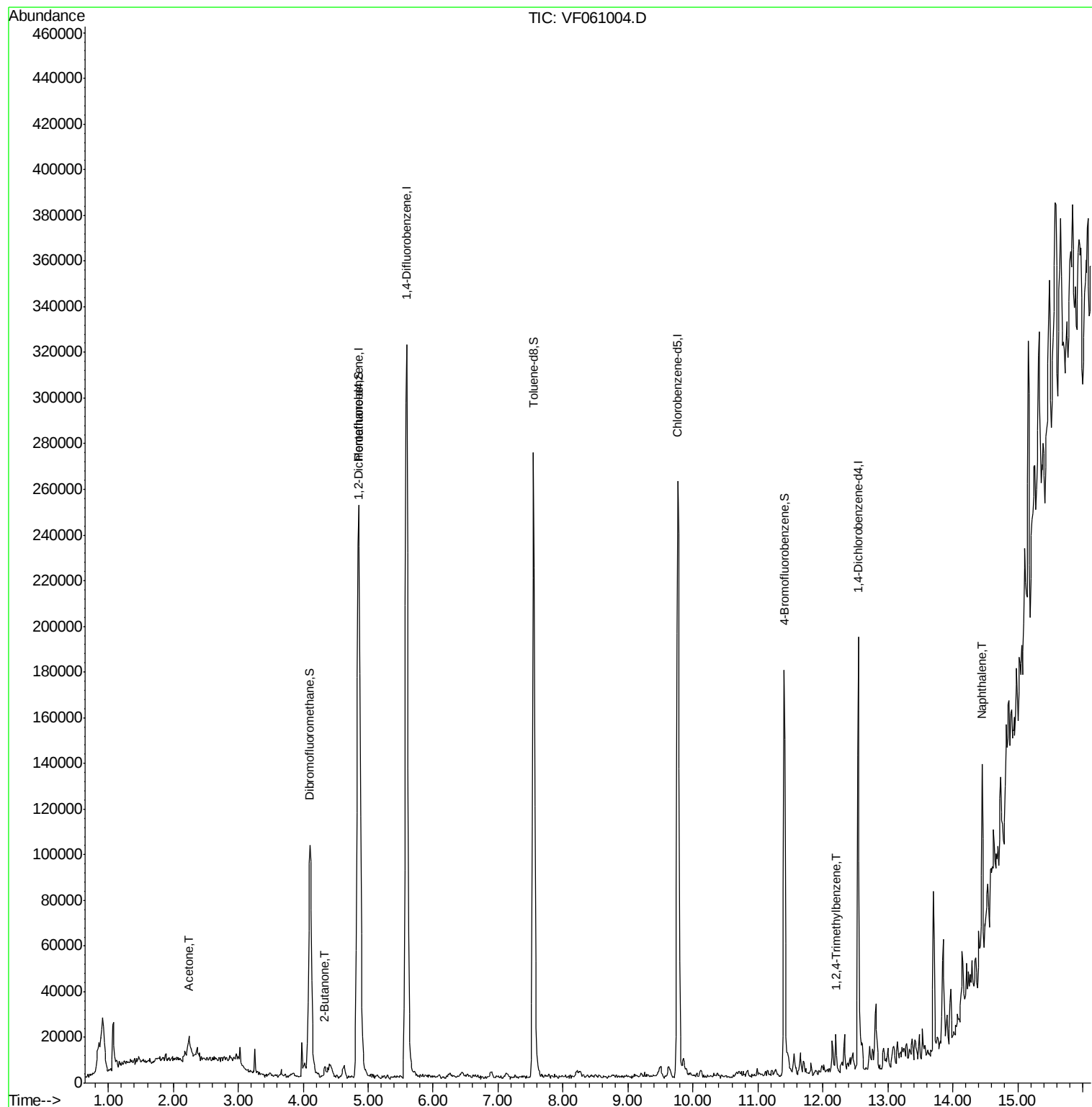
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	180821	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	354207	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	194707	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.55	152	44288	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	119528	56.11	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	112.22%	
35) Dibromofluoromethane	4.10	113	100211	35.66	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	71.32%	
50) Toluene-d8	7.55	98	224793	27.16	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	54.32%	
62) 4-Bromofluorobenzene	11.40	95	68614	18.24	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	36.48%	
Target Compounds						
16) Acetone	2.24	43	14005	35.653	ug/l #	93
25) 2-Butanone	4.34	43	8036	11.828	ug/l #	78
84) 1,2,4-Trimethylbenzene	12.20	105	7319	2.581	ug/l	100
95) Naphthalene	14.45	128	13783	4.144	ug/l #	92

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF061004.D

Acq: 12 Dec 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

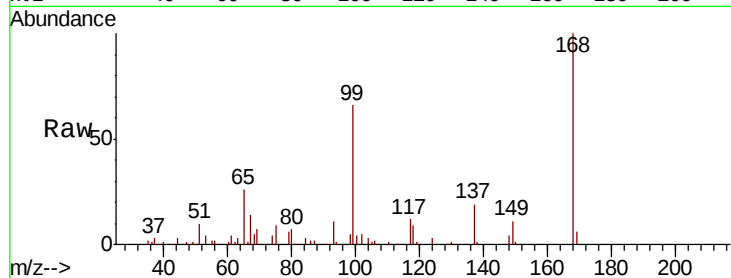
RBR-200027RE

Tot Ion:168 Resp: 180821

Ion Ratio Lower Upper

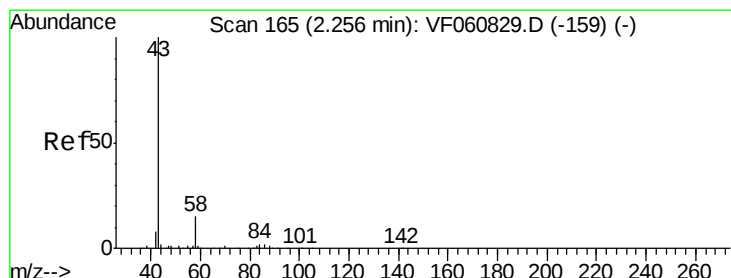
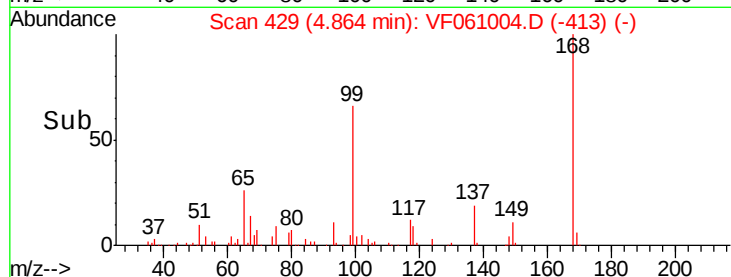
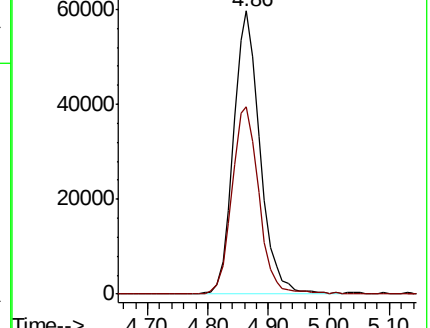
168 100

99 66.0 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 35.653 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF061004.D

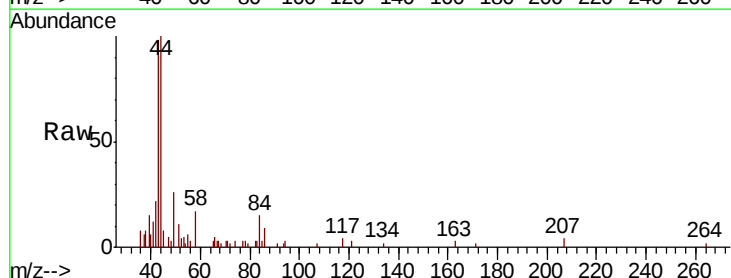
Acq: 12 Dec 2018 19:14

Tgt Ion: 43 Resp: 14005

Ion Ratio Lower Upper

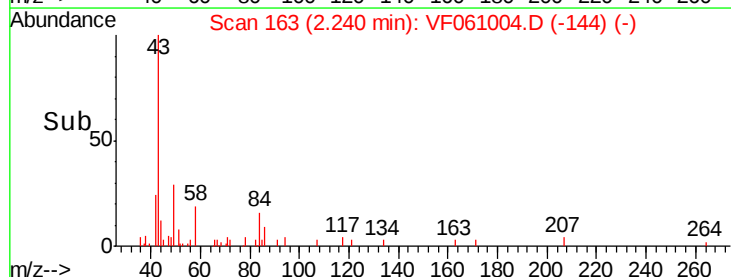
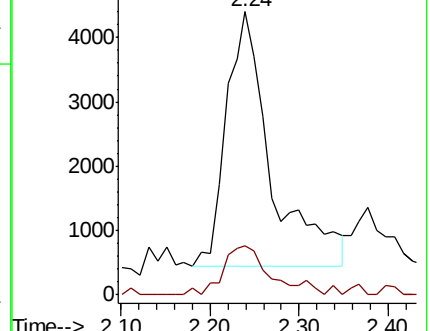
43 100

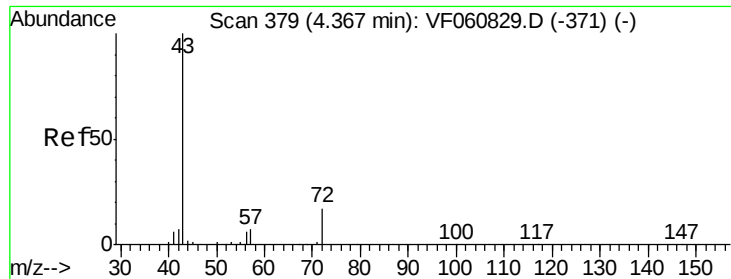
58 17.3 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#25

2-Butanone

Concen: 11.828 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF061004.D

Acq: 12 Dec 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

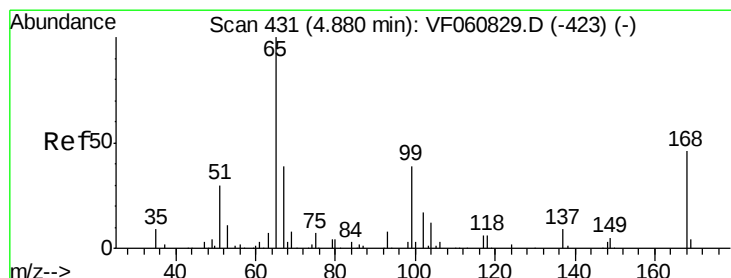
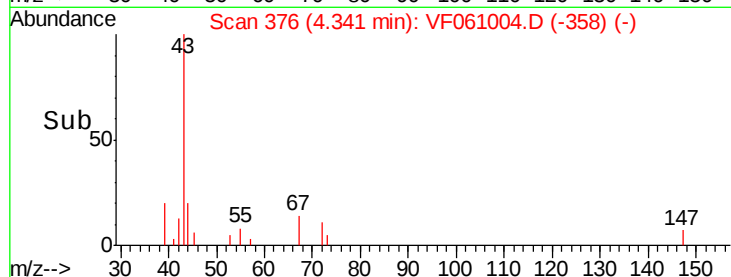
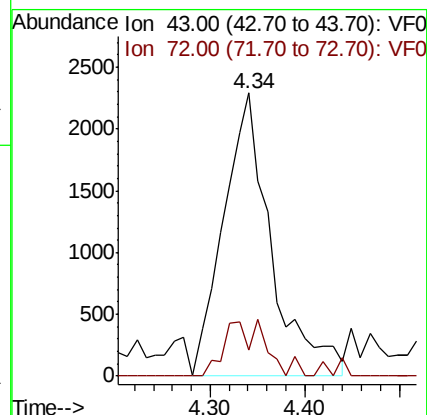
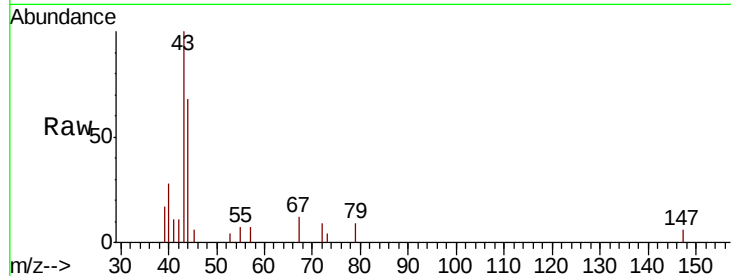
RBR-200027RE

Tot Ion: 43 Resp: 8036

Ion Ratio Lower Upper

43 100

72 9.1 15.4 23.2#



#33

1,2-Dichloroethane-d4

Concen: 56.113 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.05 min

Lab File: VF061004.D

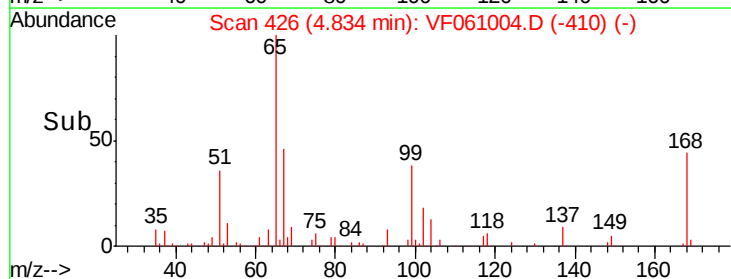
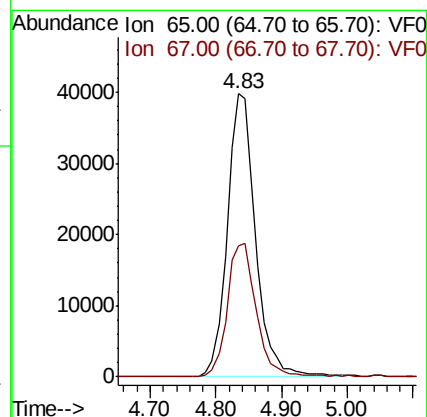
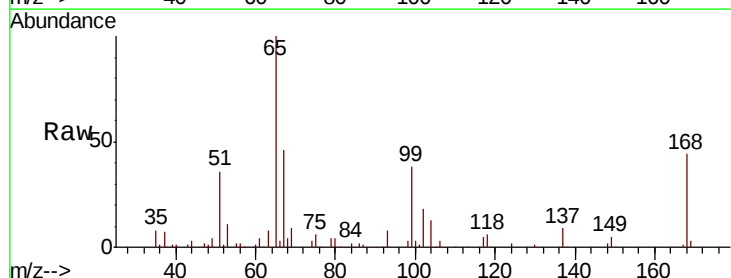
Acq: 12 Dec 2018 19:14

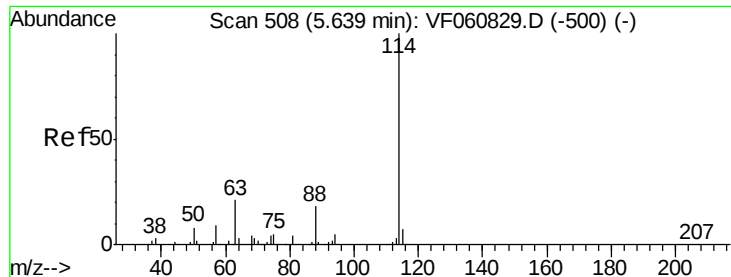
Tgt Ion: 65 Resp: 119528

Ion Ratio Lower Upper

65 100

67 46.4 0.0 96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF061004.D

Acq: 12 Dec 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

RBR-200027RE

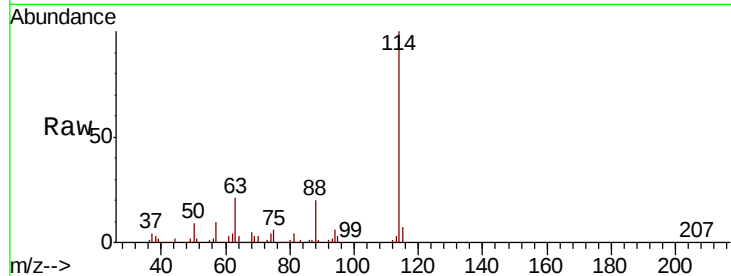
Tot Ion:114 Resp: 354207

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.6

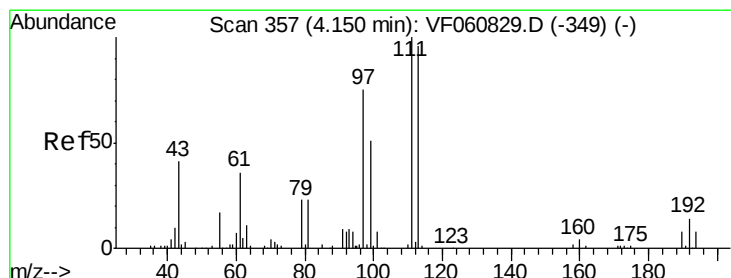
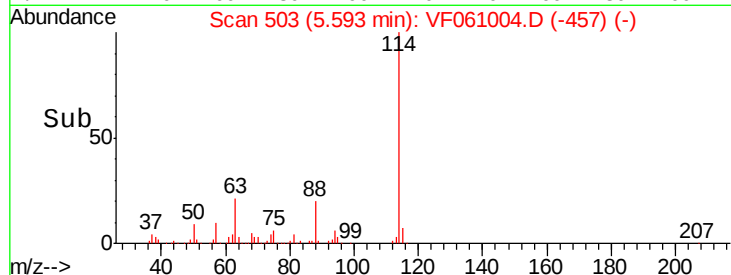
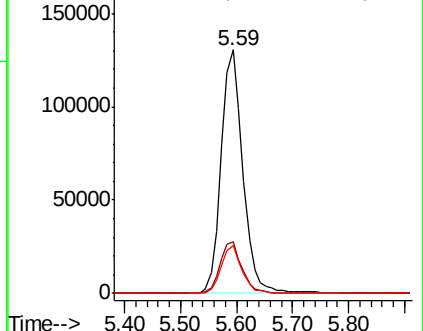
88 19.7 0.0 36.6



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: 35.662 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF061004.D

Acq: 12 Dec 2018 19:14

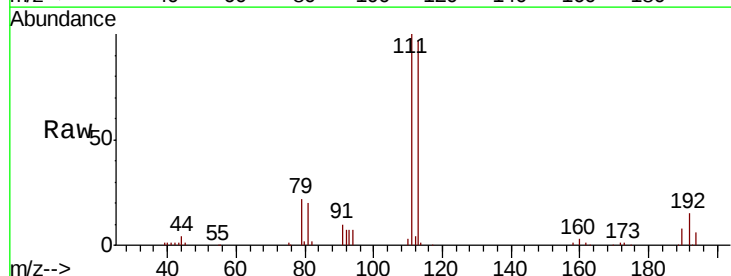
Tgt Ion:113 Resp: 100211

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

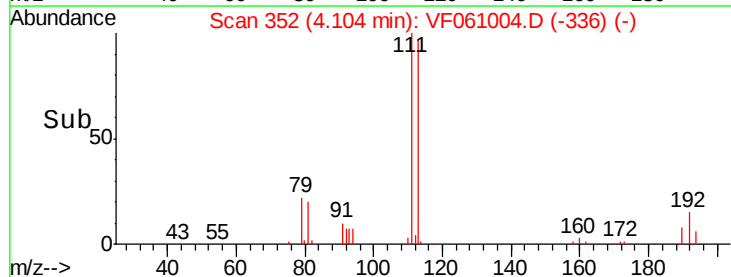
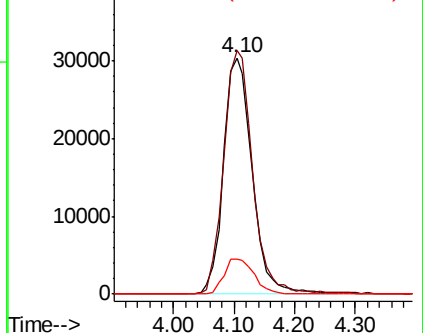
192 15.5 12.3 18.5

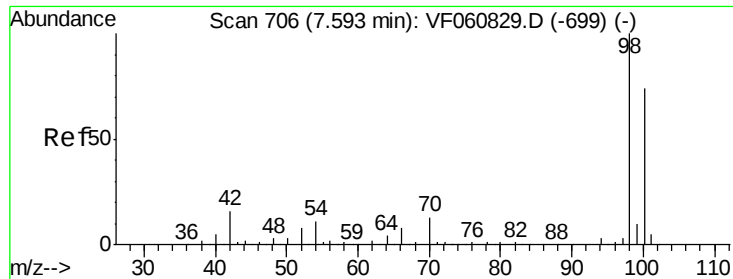


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

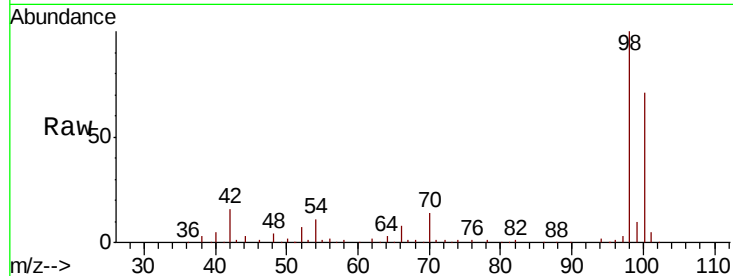




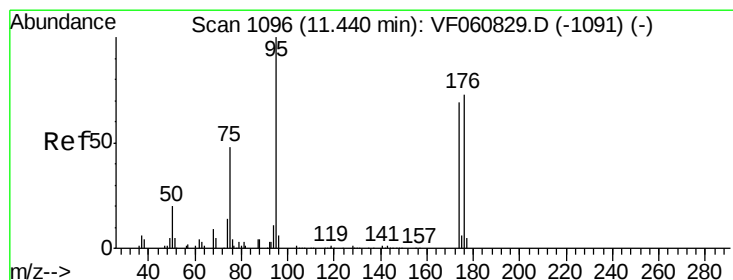
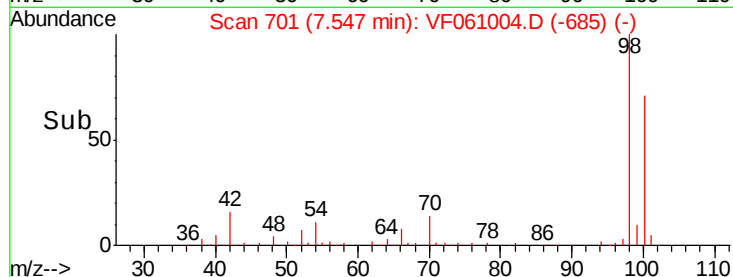
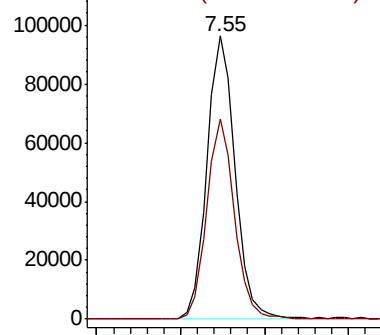
#50
Toluene-d8
Concen: 27.157 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.05 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
RBR-200027RE

Tot Ion: 98 Resp: 224793
Ion Ratio Lower Upper
98 100
100 70.8 59.3 88.9

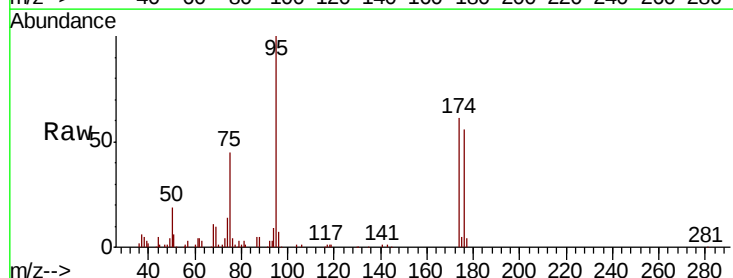


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF

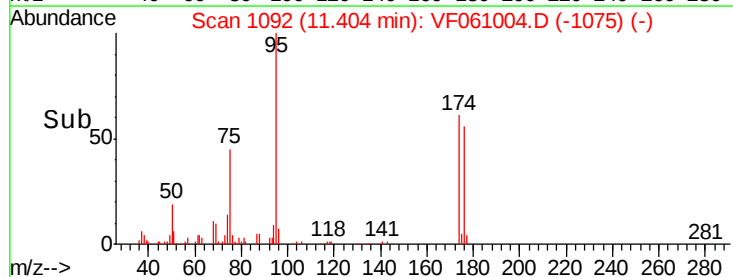
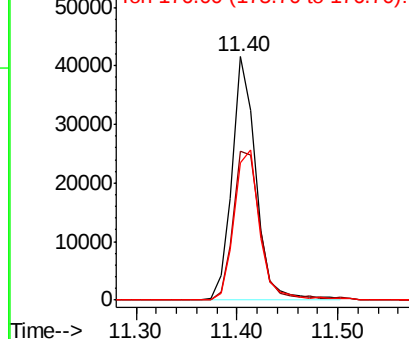


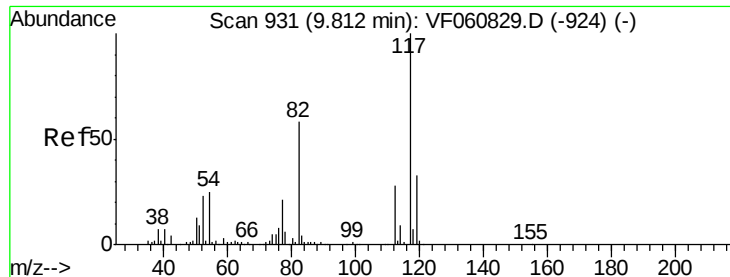
#62
4-Bromofluorobenzene
Concen: 18.239 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.04 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

Tgt Ion: 95 Resp: 68614
Ion Ratio Lower Upper
95 100
174 61.0 0.0 138.2
176 56.5 0.0 146.2



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

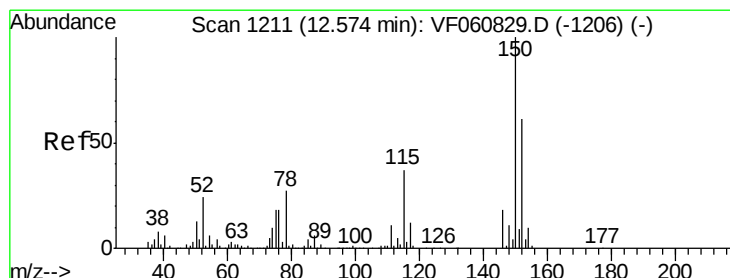
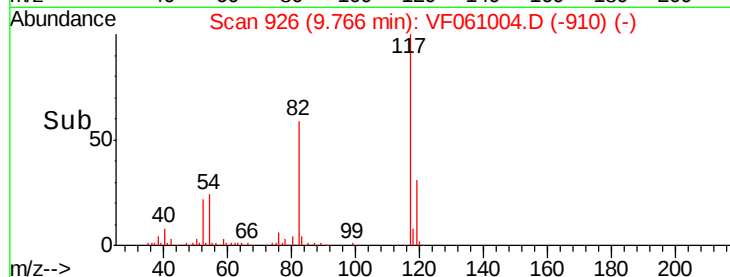
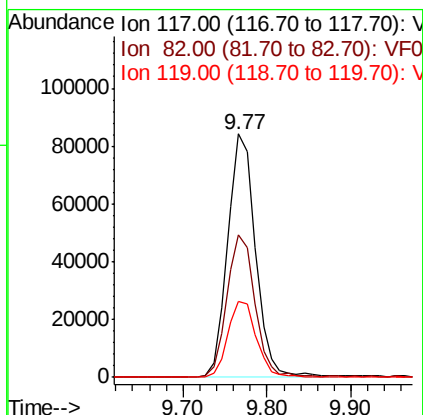
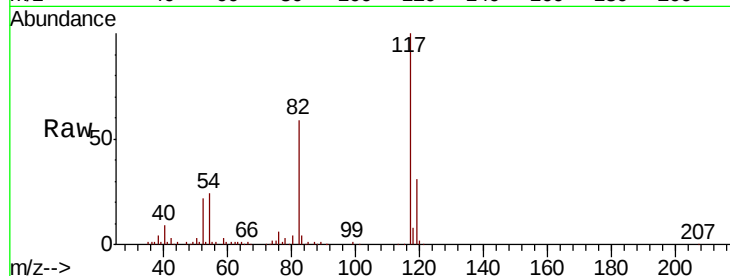




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

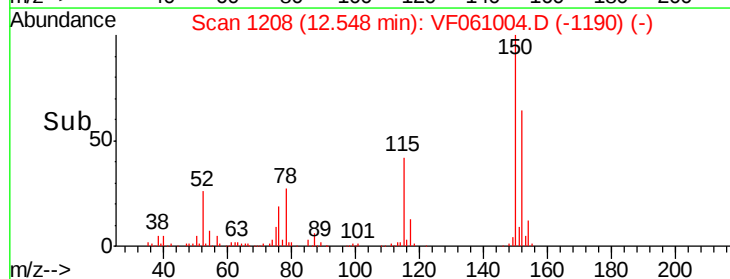
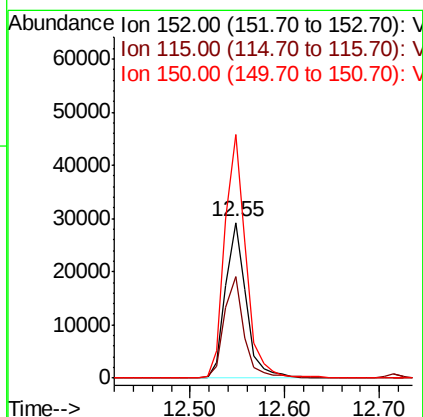
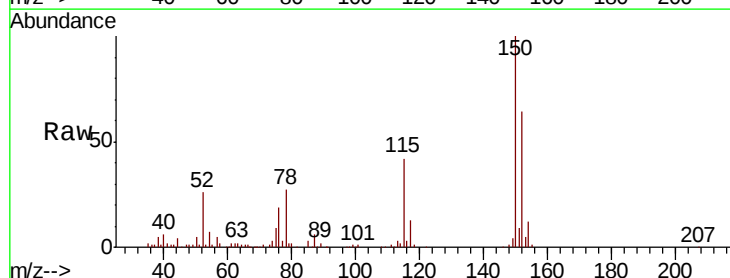
Instrument :
MSVOA_F
ClientSampleId :
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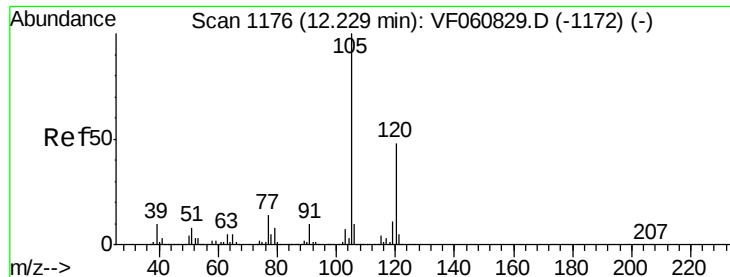
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.6	69.8
119	31.2	26.4	39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	30.1	90.5
150	156.7	0.0	327.6

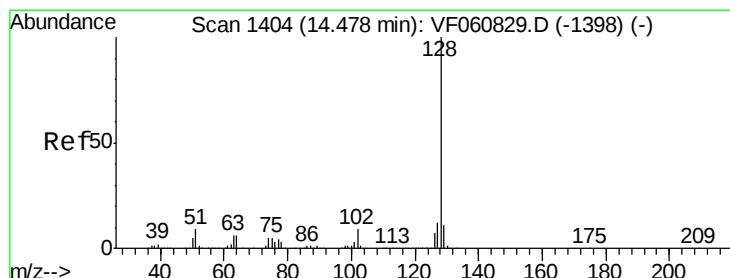
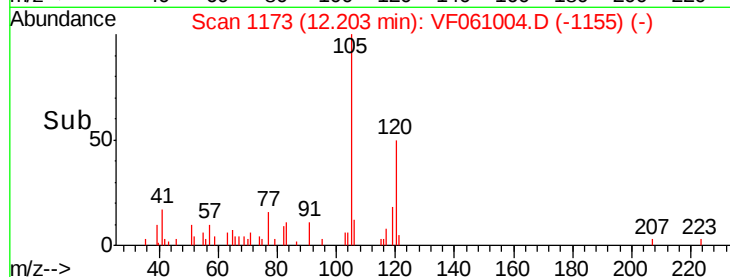
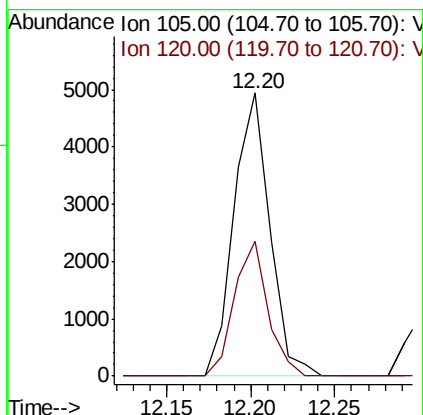
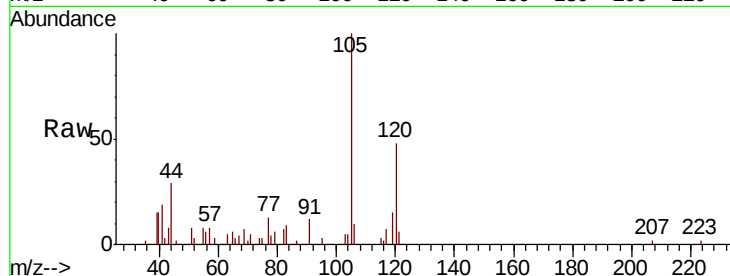




#84
 1,2,4-Trimethylbenzene
 Concen: 2.581 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.03 min
 Lab File: VF061004.D
 Acq: 12 Dec 2018 19:14

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200027RE

Tot Ion:105 Resp: 7319
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.5



#95
 Naphthalene
 Concen: 4.144 ug/l
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.03 min
 Lab File: VF061004.D
 Acq: 12 Dec 2018 19:14

Tgt Ion:128 Resp: 13783
 Ion Ratio Lower Upper
 128 100
 127 15.4 9.9 14.9#
 129 14.9 9.1 13.7#

