

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070318\
 Data File : VF059408.D
 Acq On : 3 Jul 2018 13:26
 Operator : VA/AP
 Sample : J3774-01RE
 Misc : 5.67g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-5(3-5)RE

Quant Time: Jul 05 13:03:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

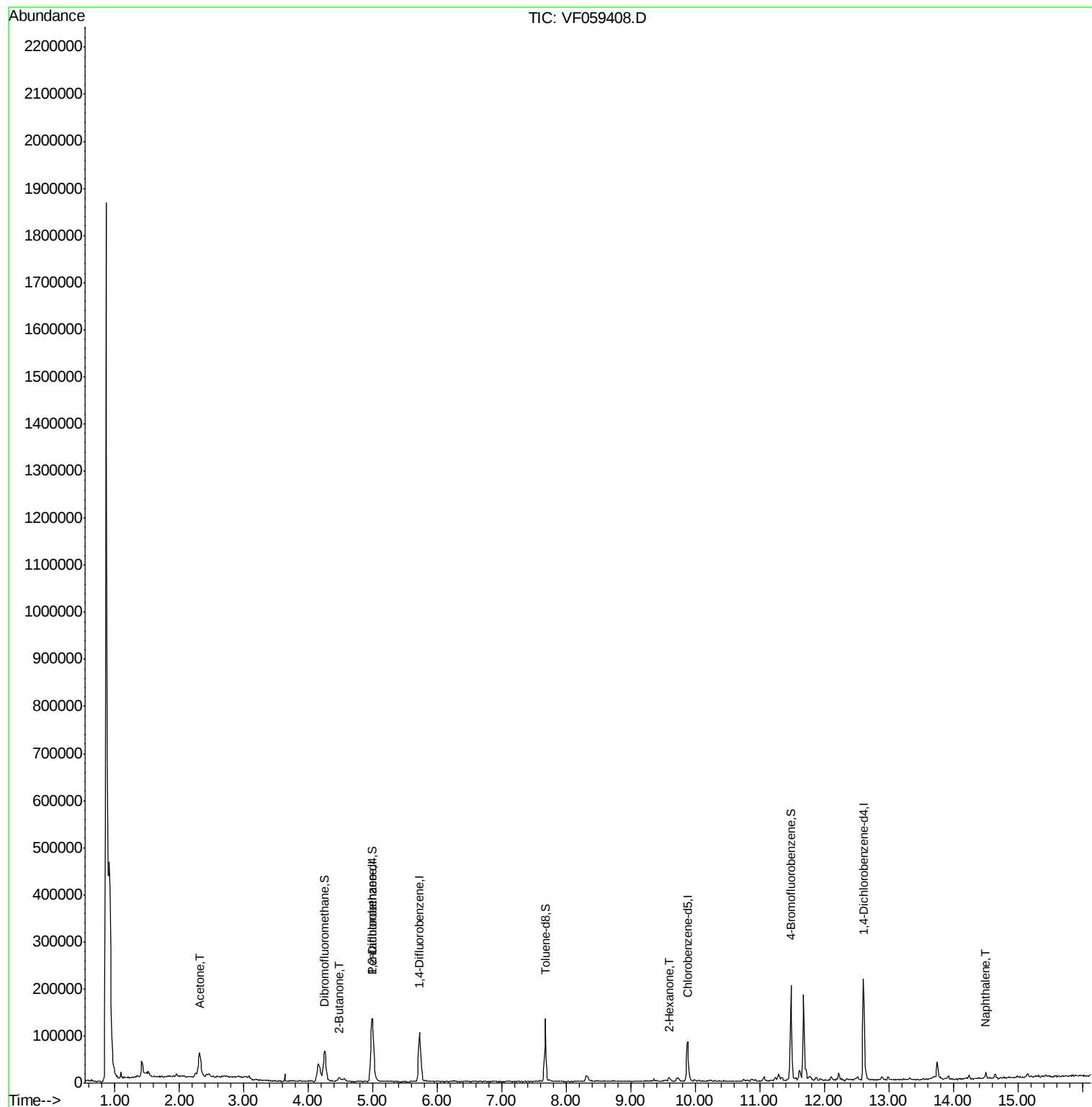
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	67662	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.73	114	105614	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.88	117	60051	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	50650	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	95666	109.43	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	218.86%	
35) Dibromofluoromethane	4.26	113	56214	72.85	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	145.70%	
50) Toluene-d8	7.68	98	68446	35.82	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	71.64%	
62) 4-Bromofluorobenzene	11.48	95	63242	58.68	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	117.36%	
Target Compounds						
16) Acetone	2.32	43	72189	334.080	ug/l	99
25) 2-Butanone	4.48	43	13455	48.667	ug/l #	87
59) 2-Hexanone	9.59	43	8483	3.147	ug/l	85
95) Naphthalene	14.50	128	9174	3.990	ug/l #	94

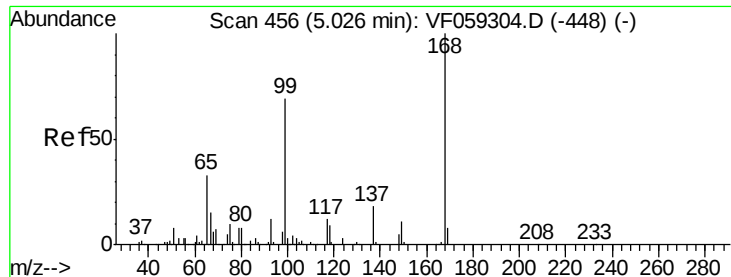
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059408.D

Acq: 3 Jul 2018 13:26

Instrument :

MSVOA_F

ClientSampleId :

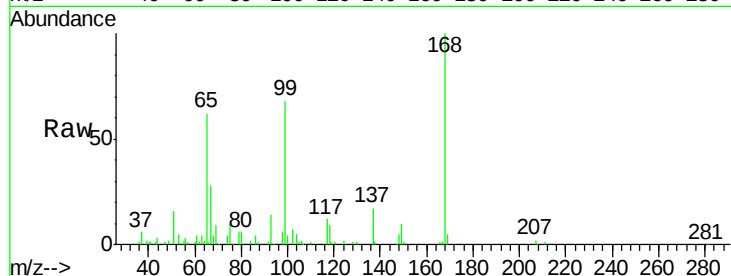
SB-5(3-5)RE

Tot Ion:168 Resp: 67662

Ion Ratio Lower Upper

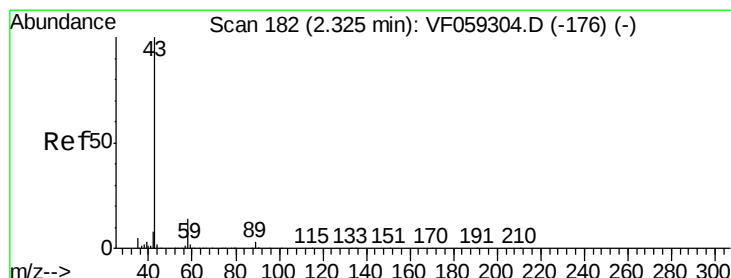
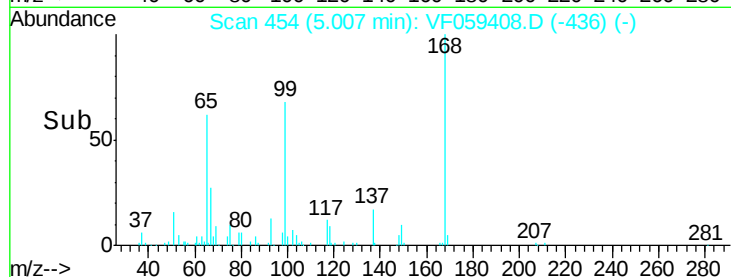
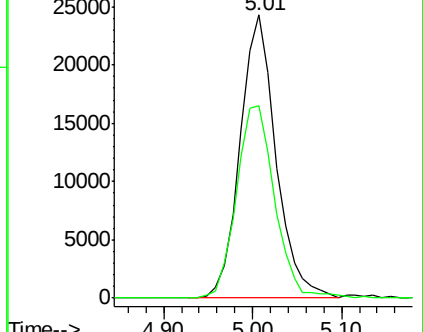
168 100

99 68.1 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 334.080 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059408.D

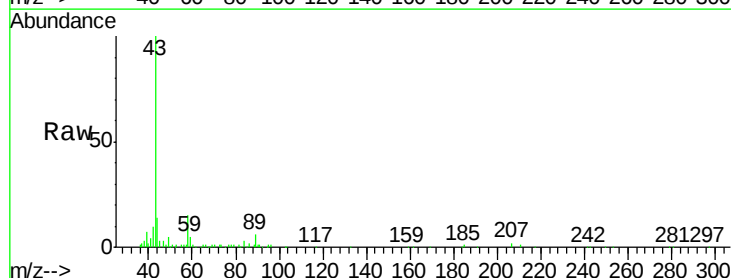
Acq: 3 Jul 2018 13:26

Tgt Ion: 43 Resp: 72189

Ion Ratio Lower Upper

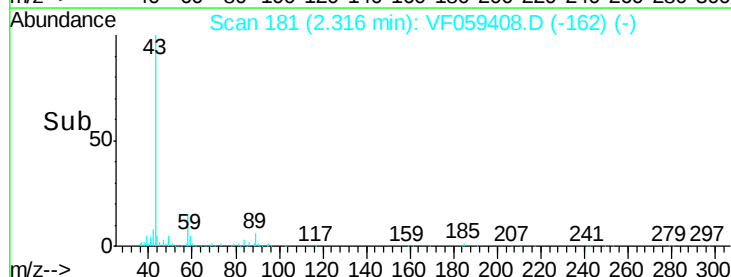
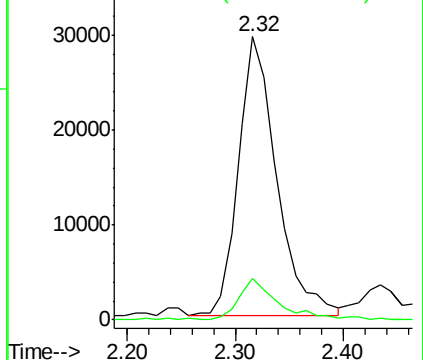
43 100

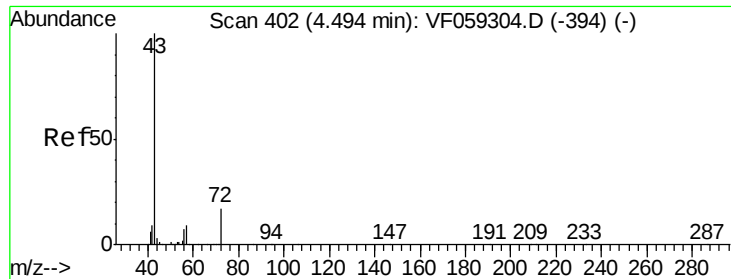
58 14.7 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#25

2-Butanone

Concen: 48.667 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059408.D

Acq: 3 Jul 2018 13:26

Instrument :

MSVOA_F

ClientSampleId :

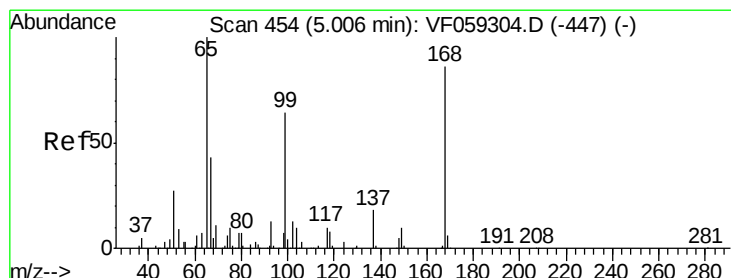
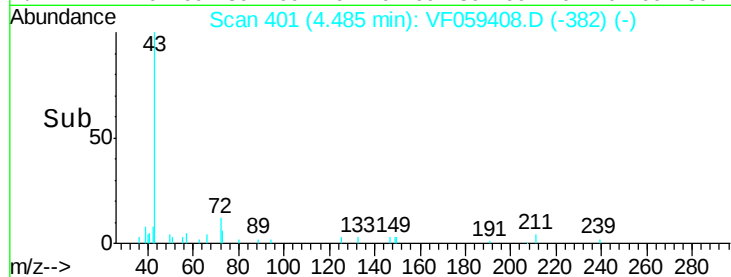
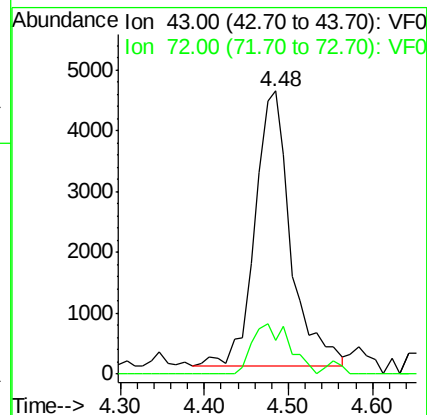
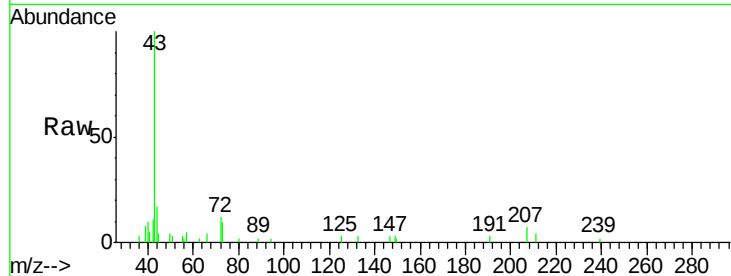
SB-5(3-5)RE

Tot Ion: 43 Resp: 13455

Ion Ratio Lower Upper

43 100

72 12.0 14.4 21.6#



#33

1,2-Dichloroethane-d4

Concen: 109.435 ug/l

RT: 4.98 min Scan# 451

Delta R.T. -0.03 min

Lab File: VF059408.D

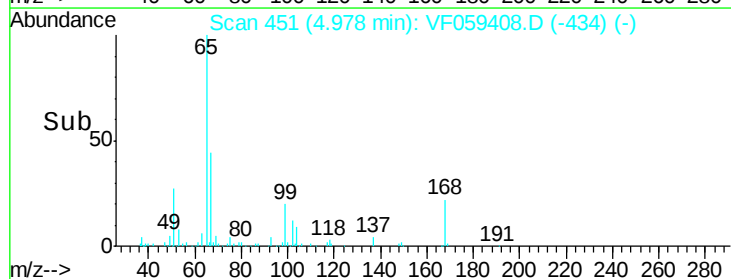
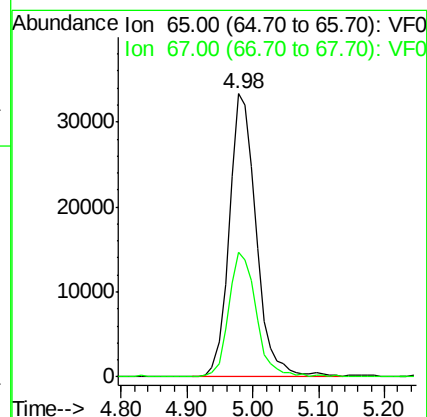
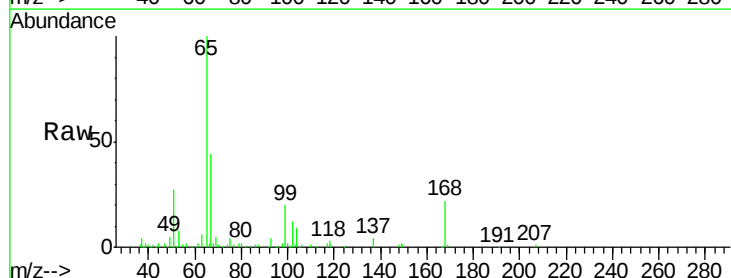
Acq: 3 Jul 2018 13:26

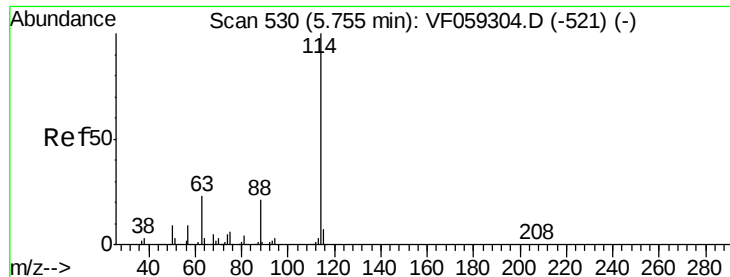
Tgt Ion: 65 Resp: 95666

Ion Ratio Lower Upper

65 100

67 44.0 0.0 96.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.73 min Scan# 527

Delta R.T. -0.03 min

Lab File: VF059408.D

Acq: 3 Jul 2018 13:26

Instrument :

MSVOA_F

ClientSampleId :

SB-5(3-5)RE

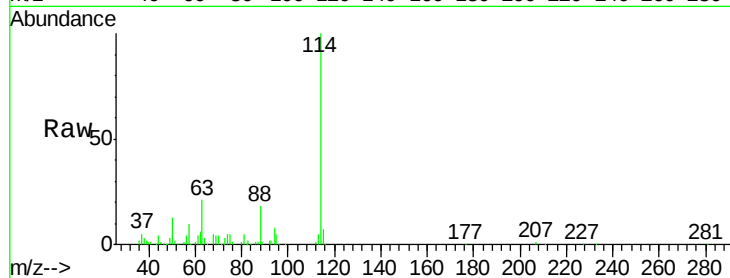
Tot Ion:114 Resp: 105614

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.8

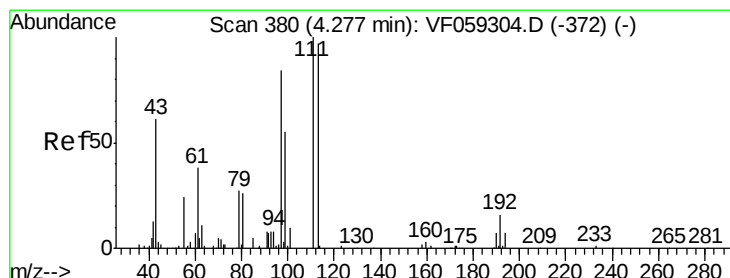
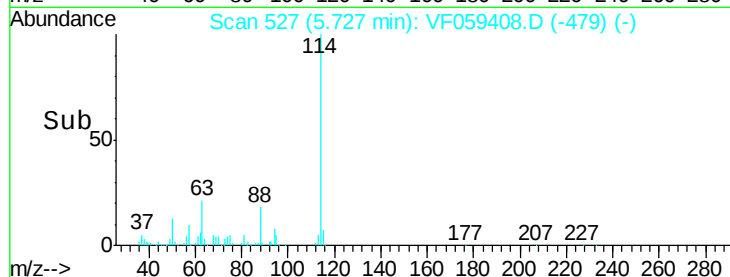
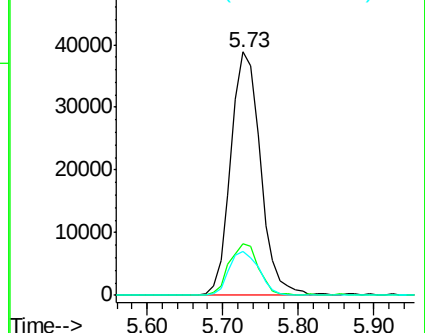
88 18.1 0.0 41.2



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: 72.846 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059408.D

Acq: 3 Jul 2018 13:26

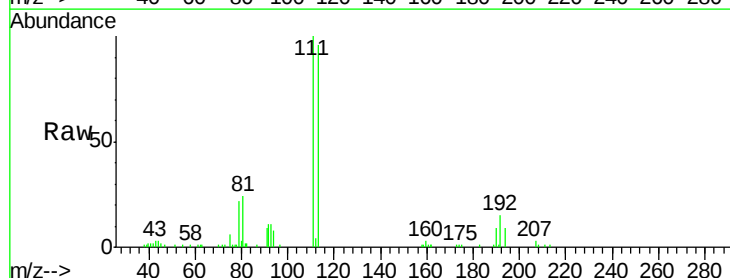
Tgt Ion:113 Resp: 56214

Ion Ratio Lower Upper

113 100

111 103.6 82.1 123.1

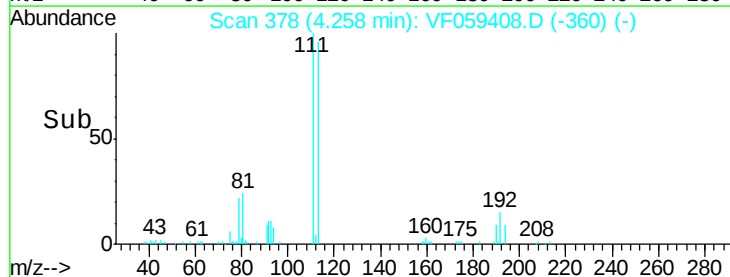
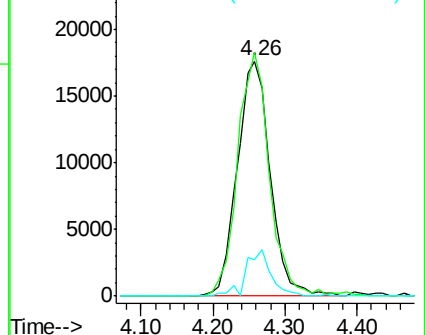
192 15.7 13.0 19.6

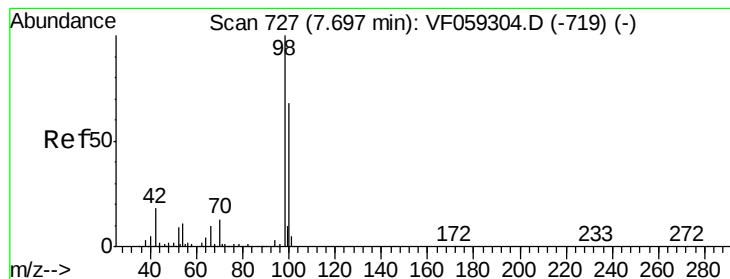


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 35.824 ug/l

RT: 7.68 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF059408.D

Acq: 3 Jul 2018 13:26

Instrument :

MSVOA_F

ClientSampleId :

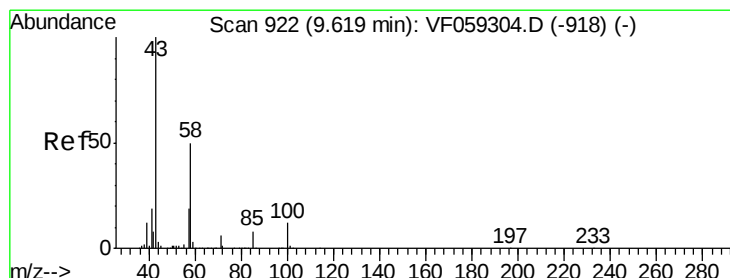
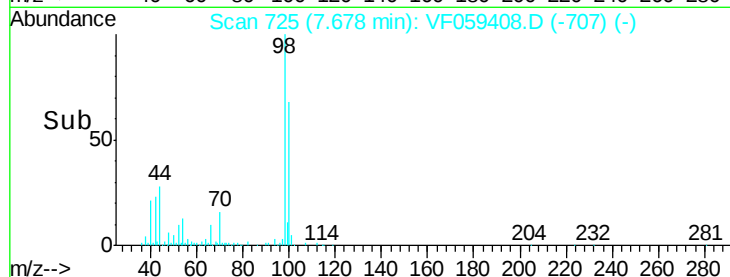
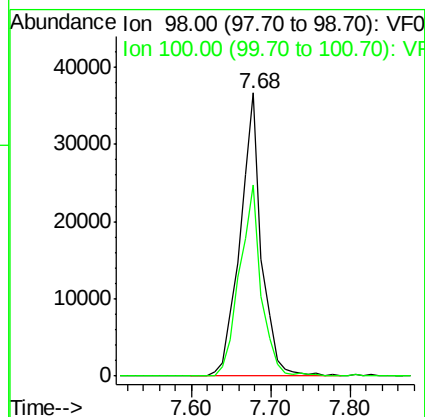
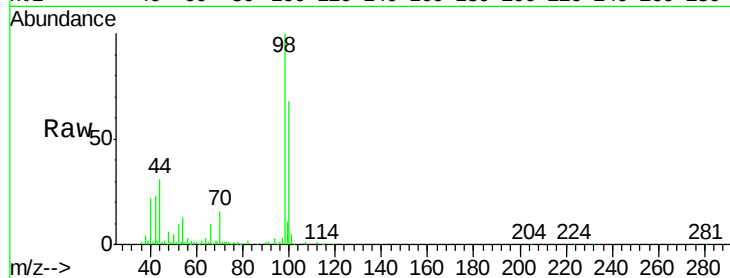
SB-5(3-5)RE

Tot Ion: 98 Resp: 68446

Ion Ratio Lower Upper

98 100

100 67.6 54.6 82.0



#59

2-Hexanone

Concen: 3.147 ug/l

RT: 9.59 min Scan# 919

Delta R.T. -0.03 min

Lab File: VF059408.D

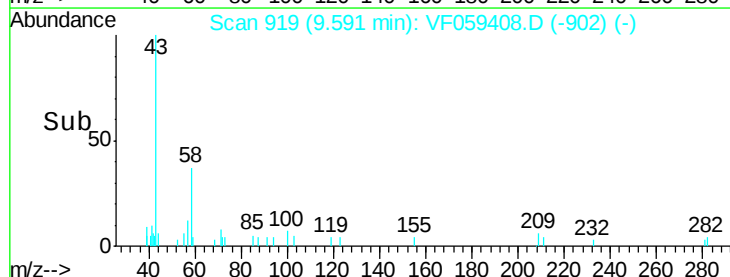
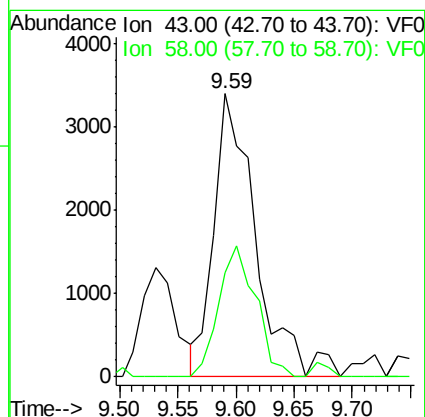
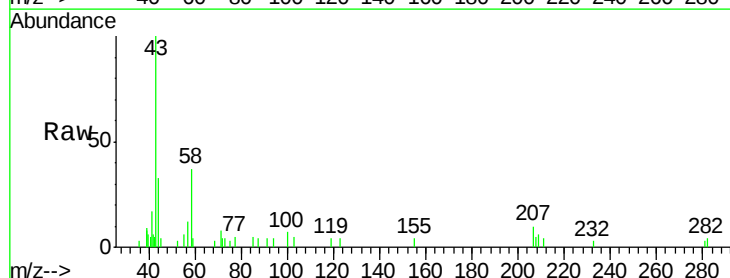
Acq: 3 Jul 2018 13:26

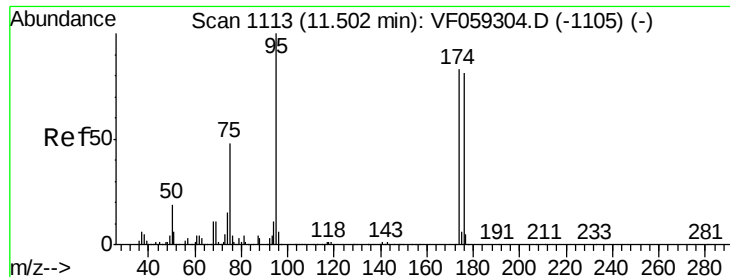
Tgt Ion: 43 Resp: 8483

Ion Ratio Lower Upper

43 100

58 36.7 23.3 69.9





#62

4-Bromofluorobenzene

Concen: 58.679 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF059408.D

Acq: 3 Jul 2018 13:26

Instrument :

MSVOA_F

ClientSampled :

SB-5(3-5)RE

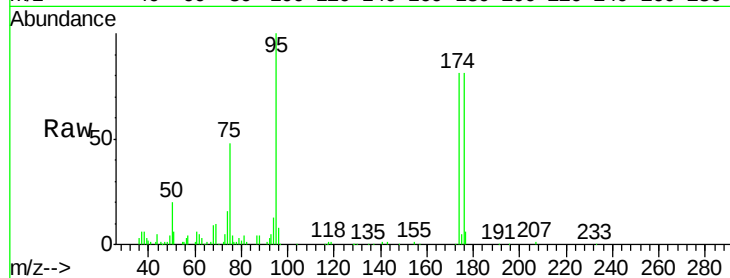
Tot Ion: 95 Resp: 63242

Ion Ratio Lower Upper

95 100

174 80.7 0.0 165.2

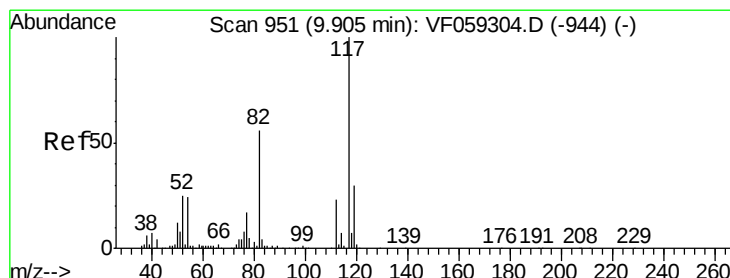
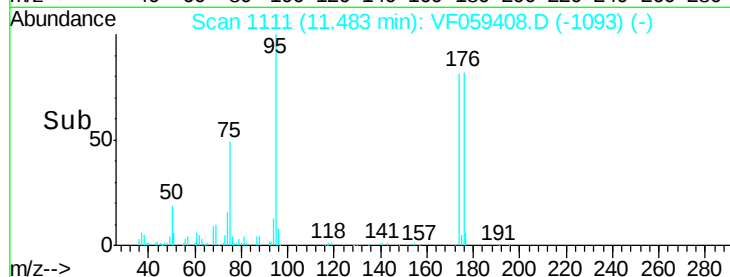
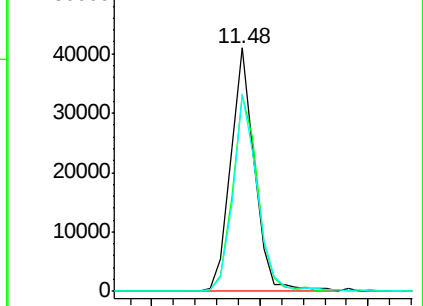
176 81.3 0.0 161.0



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: 9.88 min Scan# 948

Delta R.T. -0.03 min

Lab File: VF059408.D

Acq: 3 Jul 2018 13:26

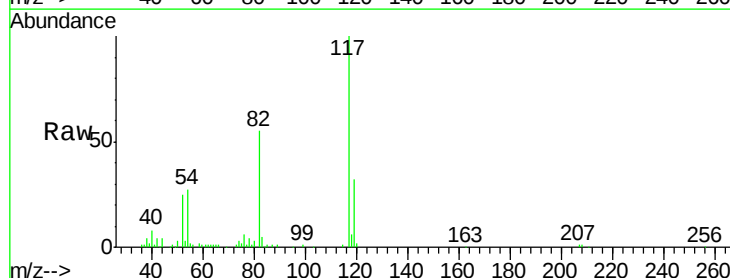
Tgt Ion: 117 Resp: 60051

Ion Ratio Lower Upper

117 100

82 54.6 44.6 66.8

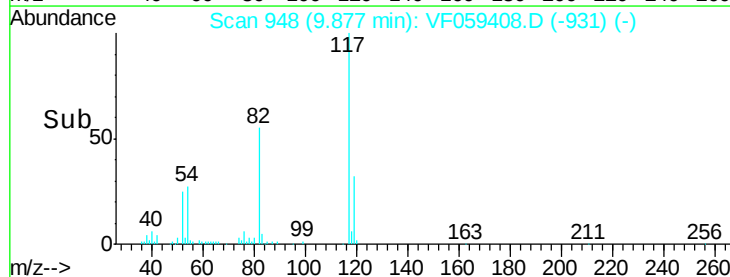
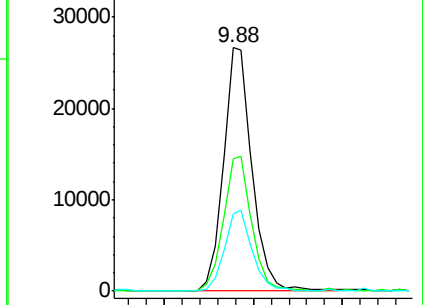
119 31.6 24.1 36.1

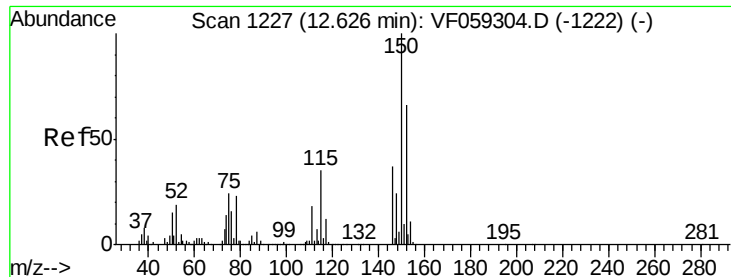


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



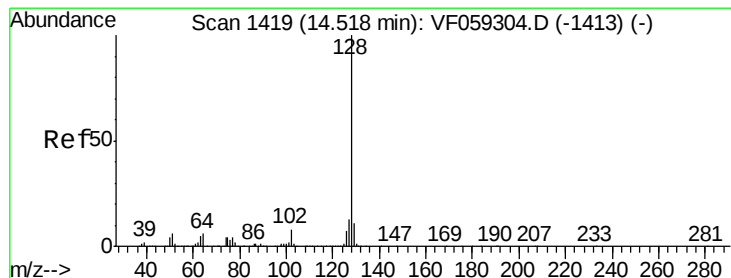
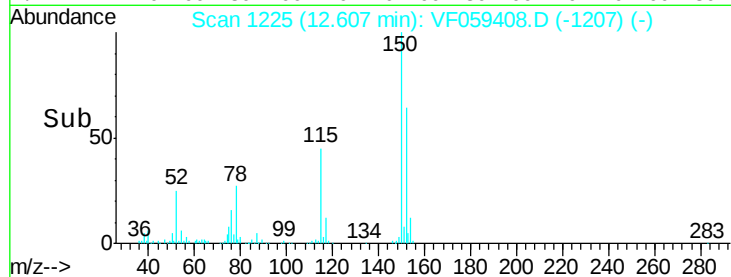
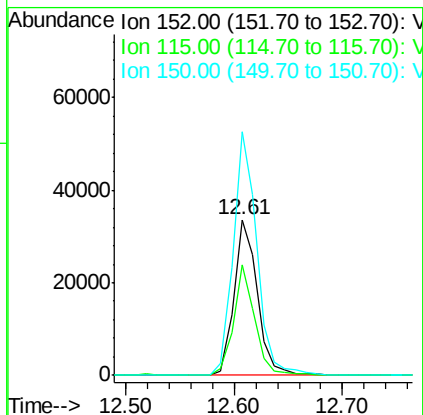
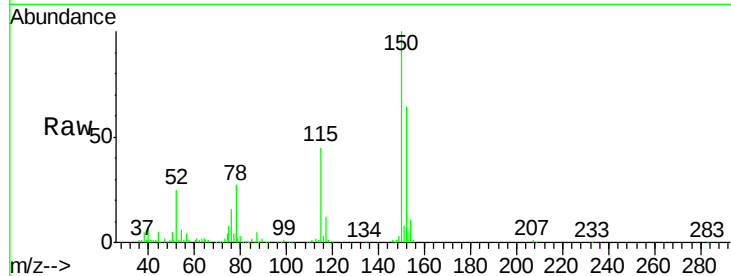


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

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SB-5(3-5)RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	71.0	27.1	81.3
150	156.8	0.0	305.2



#95

Naphthalene
Concen: 3.990 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.4	10.1	15.1#
129	11.3	8.8	13.2

