

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070318\
 Data File : VF059416.D
 Acq On : 3 Jul 2018 17:07
 Operator : VA/AP
 Sample : J3245-19RE
 Misc : 6.55g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-062918-BRE

Manual Integrations
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Quant Time: Jul 04 04:55:10 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	244967	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.73	114	365654	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	332518	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	196099	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	208685	65.94	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	131.88%	
35) Dibromofluoromethane	4.26	113	179048	67.02	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	134.04%	
50) Toluene-d8	7.68	98	384903	58.19	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	116.38%	
62) 4-Bromofluorobenzene	11.49	95	208470	55.87	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	111.74%	
Target Compounds						
16) Acetone	2.32	43	19371m	14.916	ug/l	Qvalue
68) m/p-Xylenes	10.23	106	7597	2.042	ug/l	94

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

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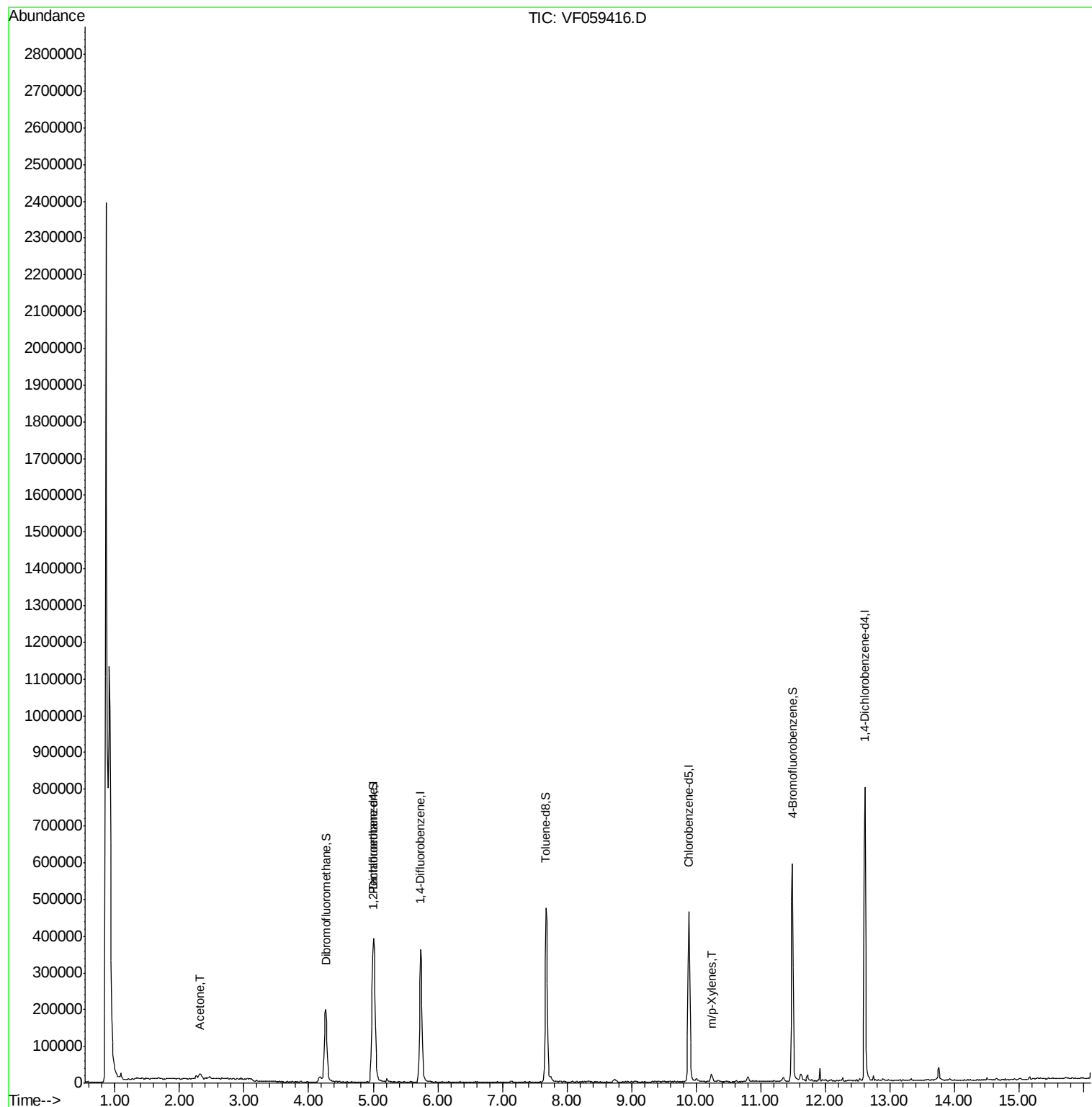
Instrument :
MSVOA_F
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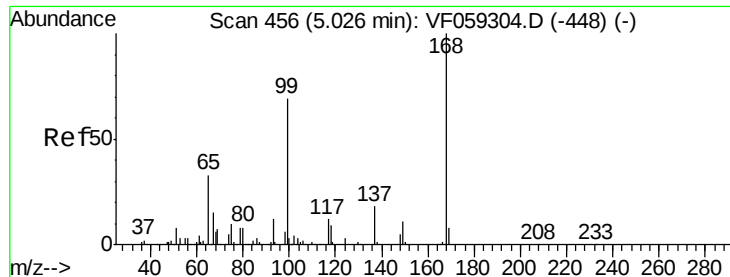
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059416.D

Acq: 3 Jul 2018 17:07

Instrument :

MSVOA_F

ClientSampleId :

CL-01-062918-BRE

Tot Ion:168 Resp: 244967

Ion Ratio Lower Upper

168 100

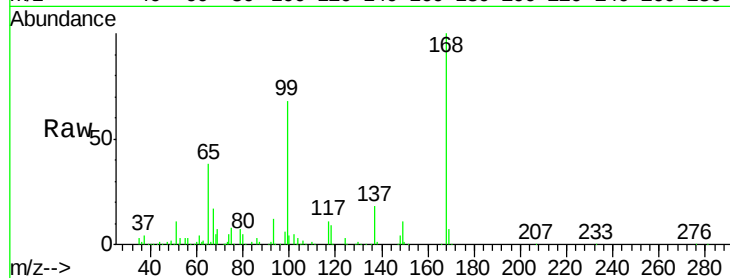
99 67.6 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

80000

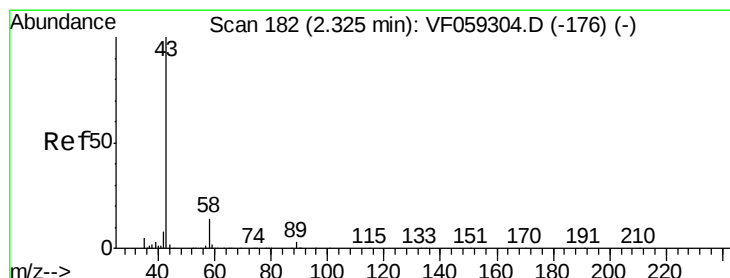
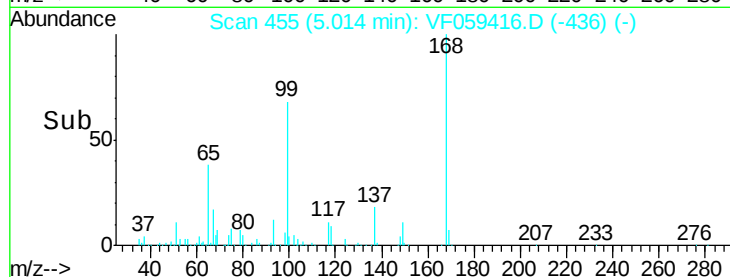
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#16

Acetone

Concen: 14.916 ug/l m

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059416.D

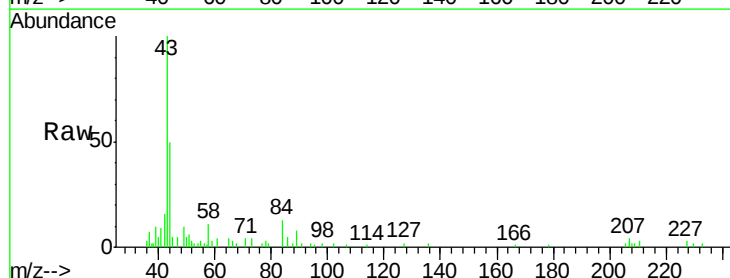
Acq: 3 Jul 2018 17:07

Tgt Ion: 43 Resp: 19371

Ion Ratio Lower Upper

43 100

58 11.0 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.32

8000

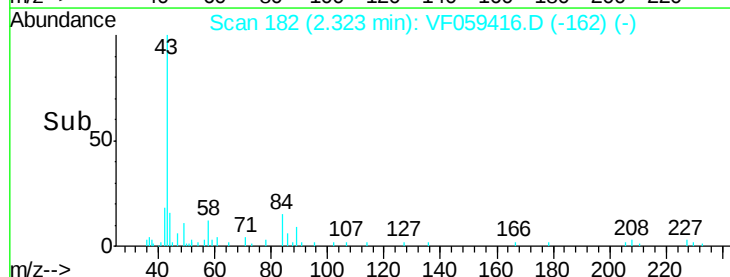
6000

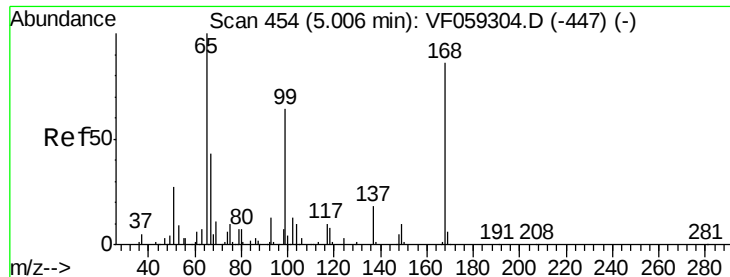
4000

2000

0

Time--> 2.25 2.30 2.35 2.40





#33

1,2-Dichloroethane-d4

Concen: 65.936 ug/l

RT: 4.98 min Scan# 452

Delta R.T. -0.02 min

Lab File: VF059416.D

Acq: 3 Jul 2018 17:07

Instrument :

MSVOA_F

ClientSampleId :

CL-01-062918-BRE

Tot Ion: 65 Resp: 208685

Ion Ratio Lower Upper

65 100

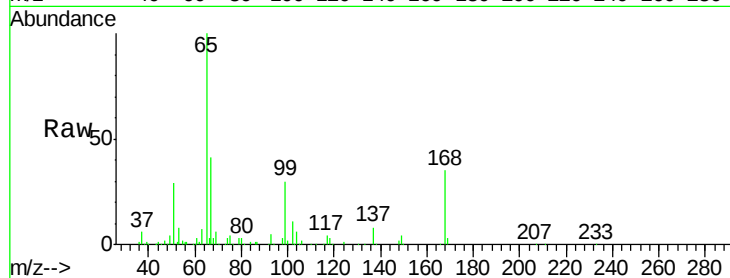
67 40.9 0.0 96.8

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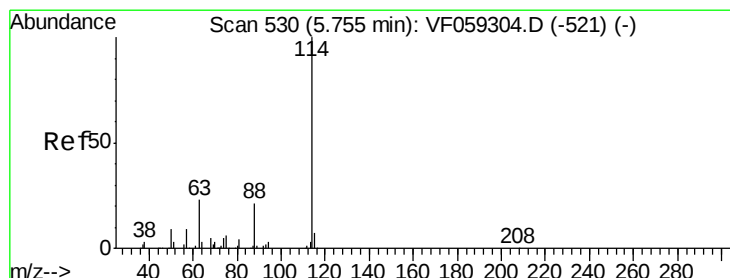
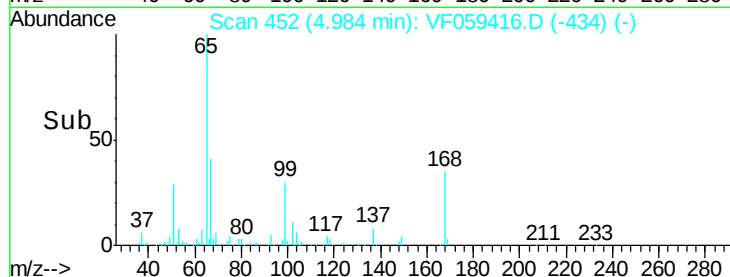
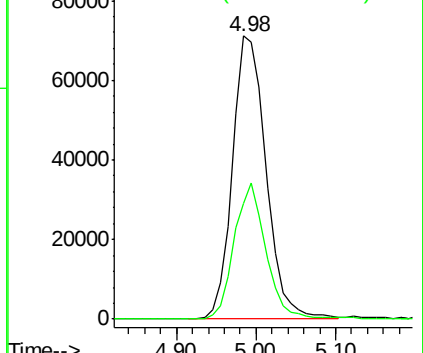
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.73 min Scan# 528

Delta R.T. -0.02 min

Lab File: VF059416.D

Acq: 3 Jul 2018 17:07

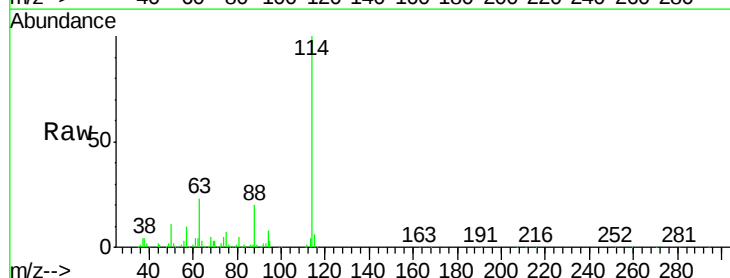
Tgt Ion: 114 Resp: 365654

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.8

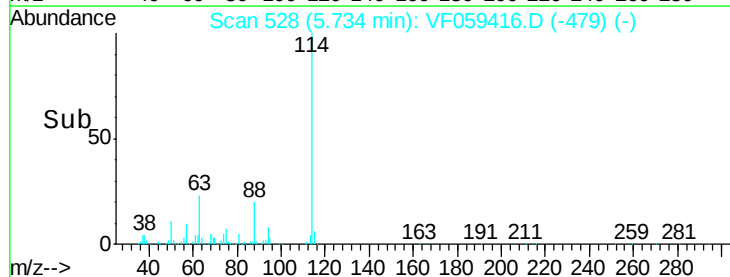
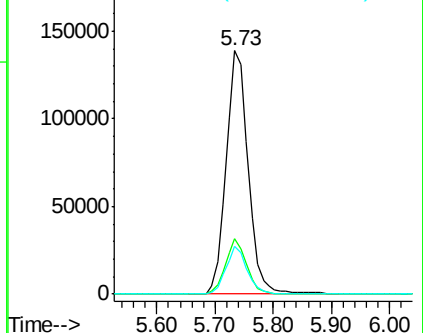
88 19.9 0.0 41.2



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: 67.016 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059416.D

Acq: 3 Jul 2018 17:07

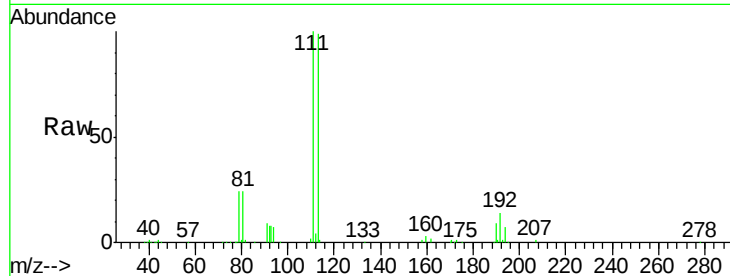
Tot Ion:	113	Resp:	179048
Ion Ratio	Lower	Upper	
113	100		
111	100.6	82.1	123.1
192	14.3	13.0	19.6

Instrument :
MSVOA_F
ClientSampleId :
CL-01-062918-BRE

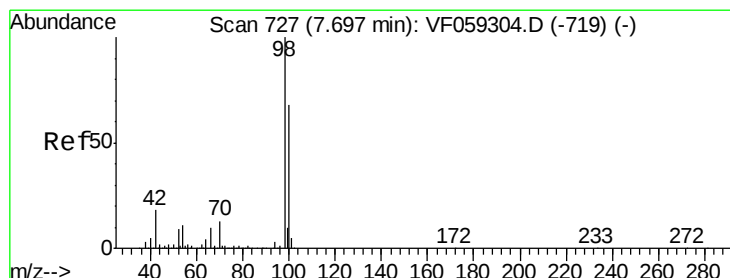
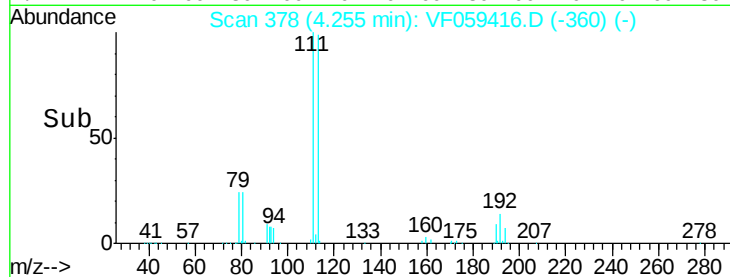
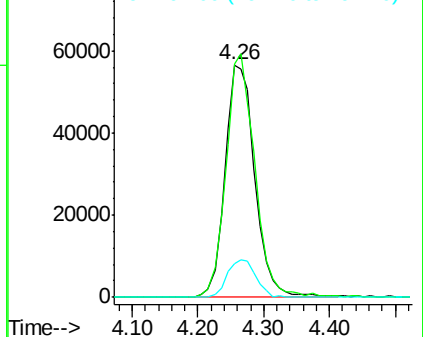
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Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 58.187 ug/l

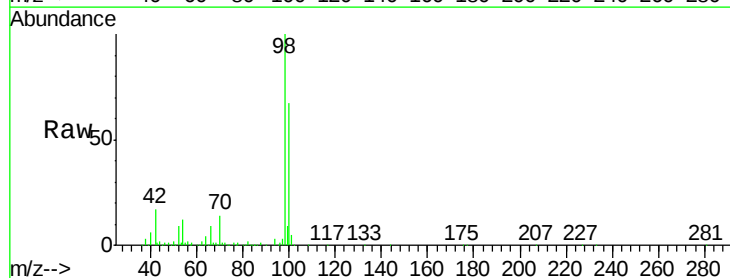
RT: 7.68 min Scan# 725

Delta R.T. -0.02 min

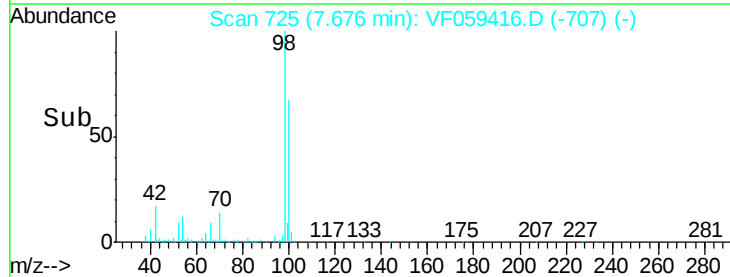
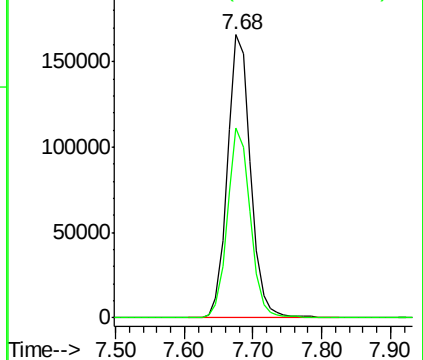
Lab File: VF059416.D

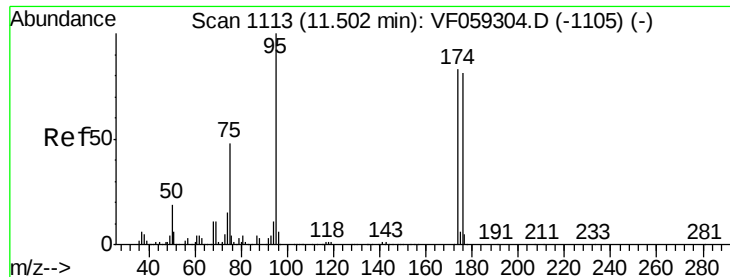
Acq: 3 Jul 2018 17:07

Tgt Ion:	98	Resp:	384903
Ion Ratio	Lower	Upper	
98	100		
100	67.0	54.6	82.0



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





#62

4-Bromofluorobenzene

Concen: 55.869 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059416.D

Acq: 3 Jul 2018 17:07

Instrument :

MSVOA_F

ClientSampleId :

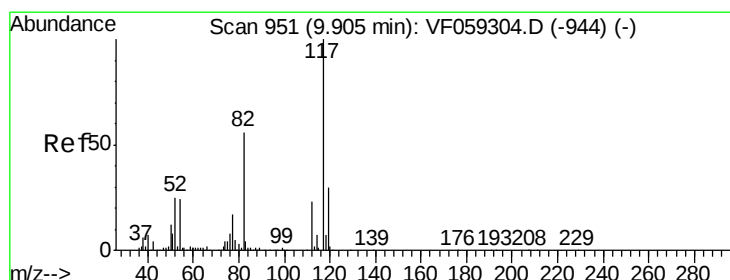
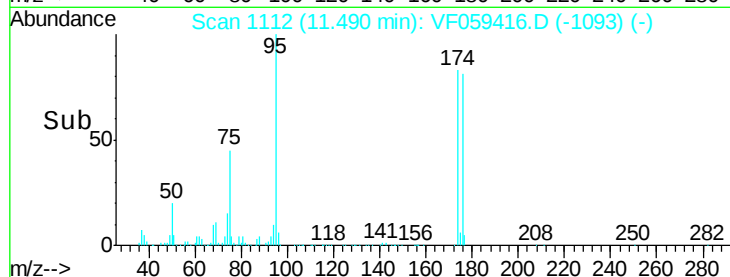
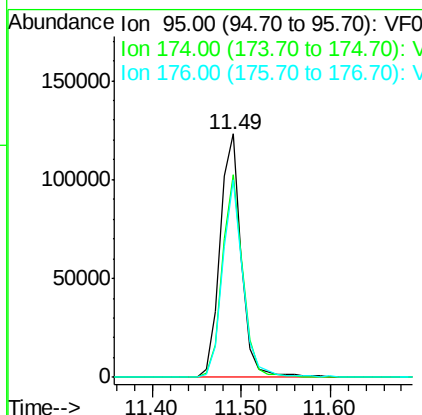
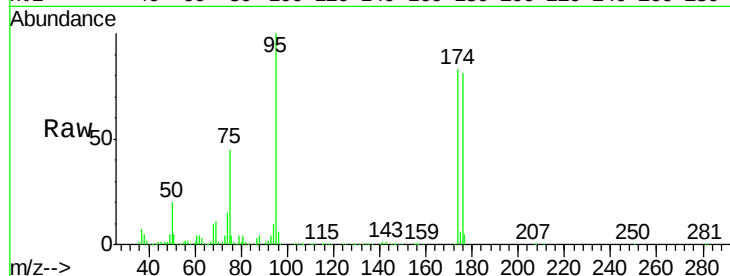
CL-01-062918-BRE

Tot Ion:	95	Resp:	208470
Ion Ratio	Lower	Upper	
95	100		
174	83.4	0.0	165.2
176	81.3	0.0	161.0

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

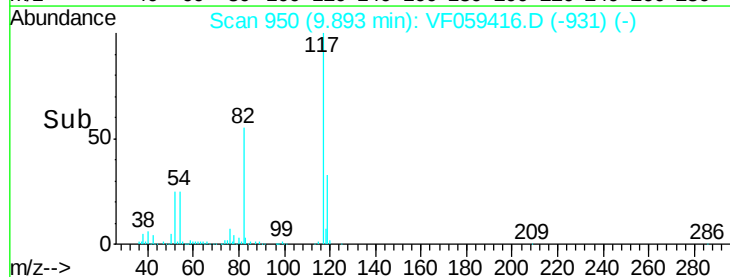
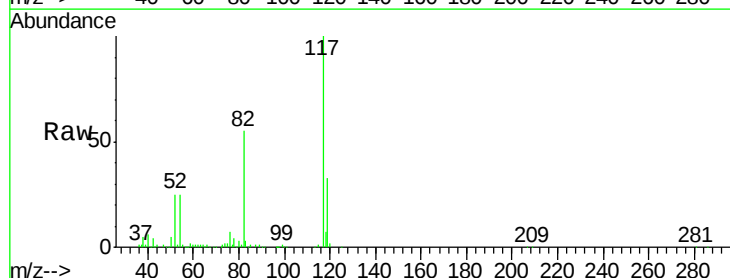
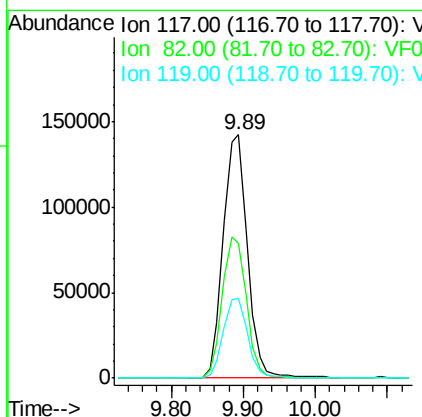
RT: 9.89 min Scan# 950

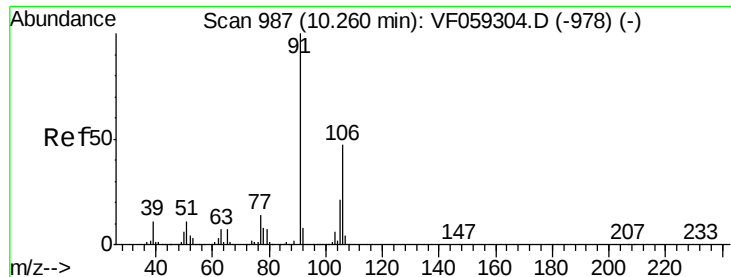
Delta R.T. -0.01 min

Lab File: VF059416.D

Acq: 3 Jul 2018 17:07

Tgt Ion:	117	Resp:	332518
Ion Ratio	Lower	Upper	
117	100		
82	55.2	44.6	66.8
119	32.8	24.1	36.1





#68
m/p-Xvlenes
Concen: 2.042 ug/l
RT: 10.23 min Scan# 984
Delta R.T. -0.03 min
Lab File: VF059416.D
Acq: 3 Jul 2018 17:07

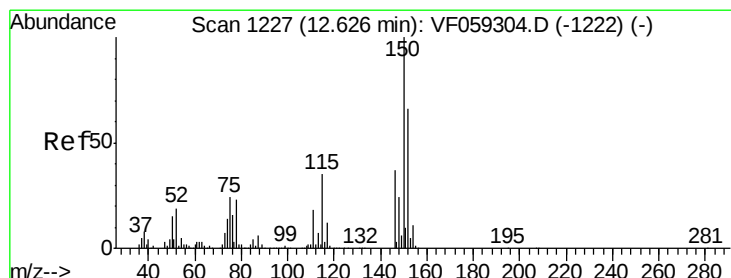
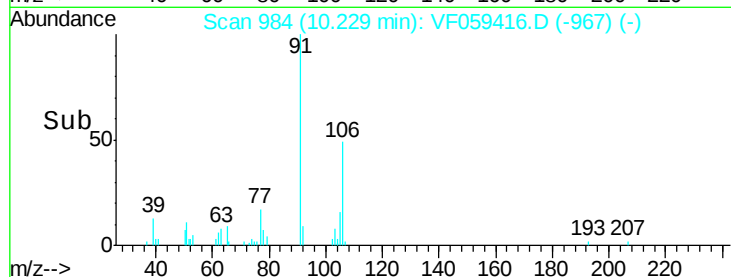
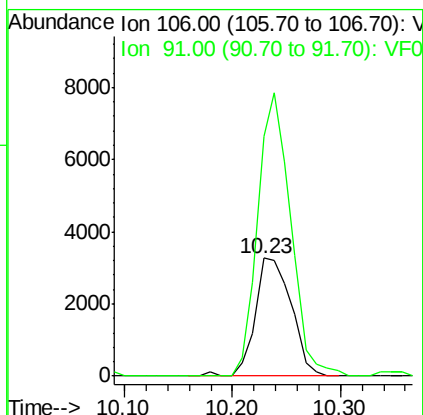
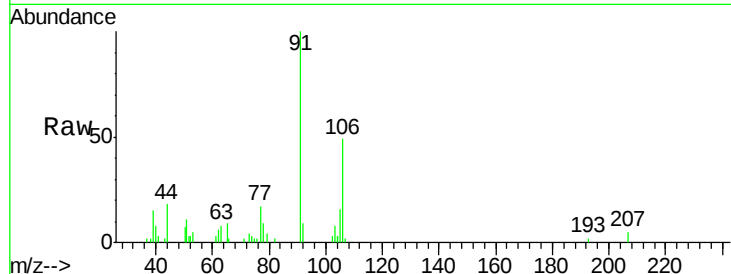
Instrument :
MSVOA_F
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CL-01-062918-BRE

Tot Ion:106 Resp: 7597
Ion Ratio Lower Upper
106 100
91 204.3 170.8 256.2

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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059416.D
Acq: 3 Jul 2018 17:07

Tgt Ion:152 Resp: 196099
Ion Ratio Lower Upper
152 100
115 59.1 27.1 81.3
150 154.7 0.0 305.2

