

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070318\
 Data File : VF059418.D
 Acq On : 3 Jul 2018 18:02
 Operator : VA/AP
 Sample : J3245-23RE
 Misc : 6.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jul 04 01:43:50 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

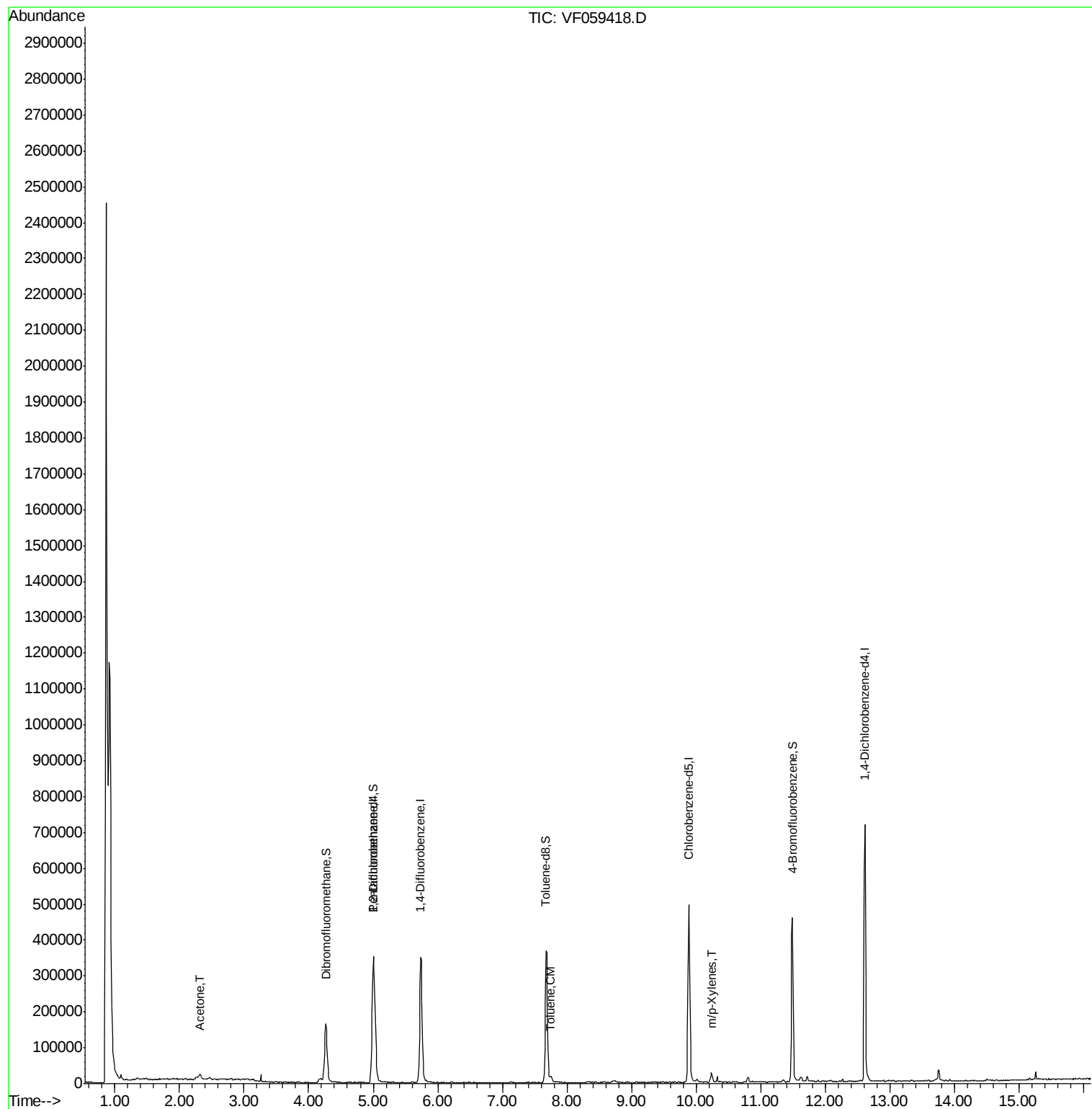
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	229405	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.73	114	361951	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	343725	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	176499	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	166955	56.33	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	112.66%	
35) Dibromofluoromethane	4.27	113	142916	54.04	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	108.08%	
50) Toluene-d8	7.68	98	304967	46.57	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.14%	
62) 4-Bromofluorobenzene	11.49	95	161696	43.78	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.56%	
Target Compounds						
16) Acetone	2.32	43	16376	12.431	ug/l	98
52) Toluene	7.75	92	7480	1.426	ug/l	87
68) m/p-Xylenes	10.24	106	7837	2.038	ug/l	97

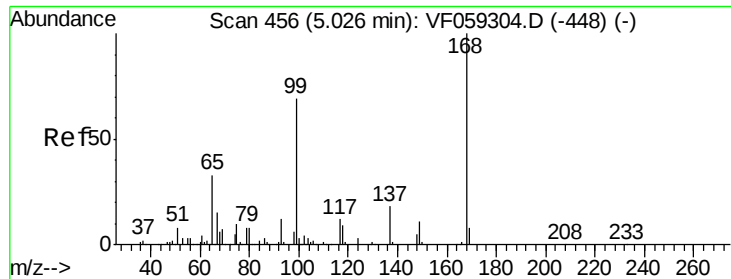
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

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ClientSampleId :

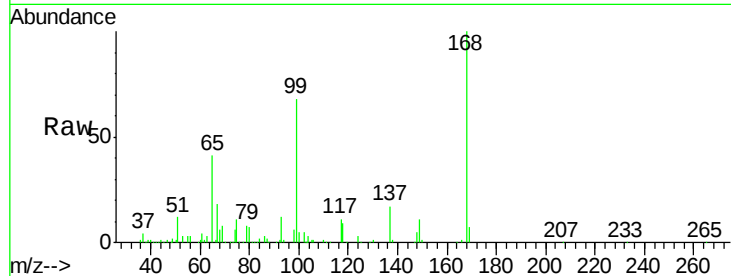
CL-01-062918-DRE

Tot Ion:168 Resp: 229405

Ion Ratio Lower Upper

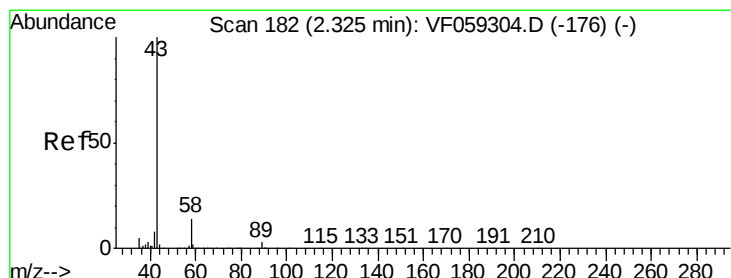
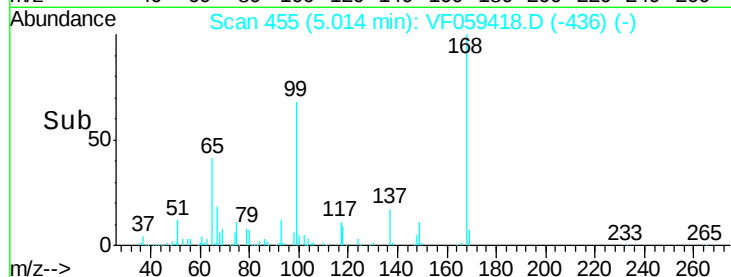
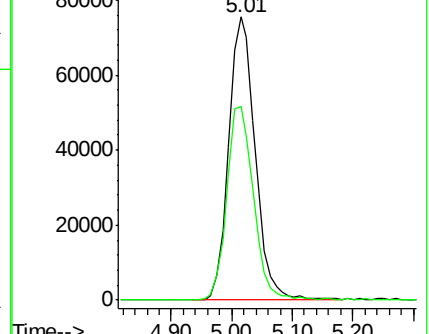
168 100

99 68.4 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 12.431 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059418.D

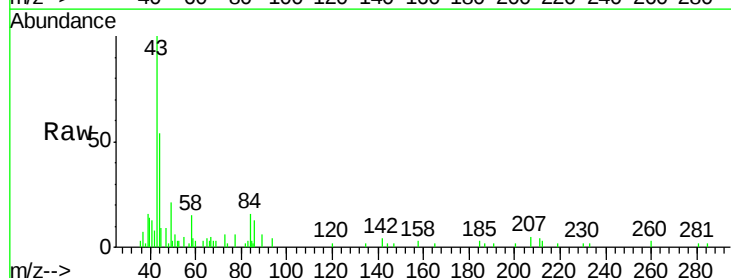
Acq: 3 Jul 2018 18:02

Tgt Ion: 43 Resp: 16376

Ion Ratio Lower Upper

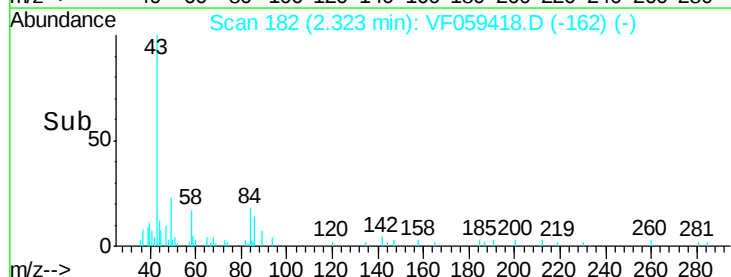
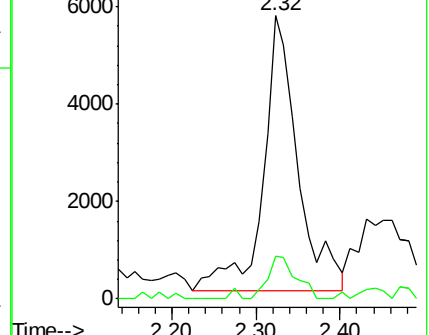
43 100

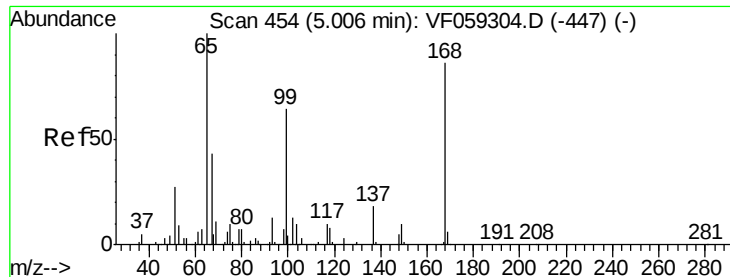
58 15.1 11.4 17.0



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: 56.330 ug/l

RT: 4.99 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059418.D

Acq: 3 Jul 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

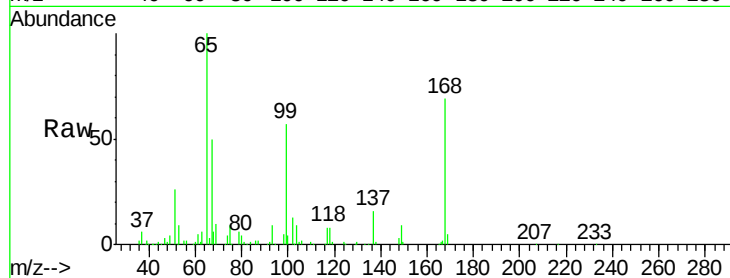
CL-01-062918-DRE

Tot Ion: 65 Resp: 166955

Ion Ratio Lower Upper

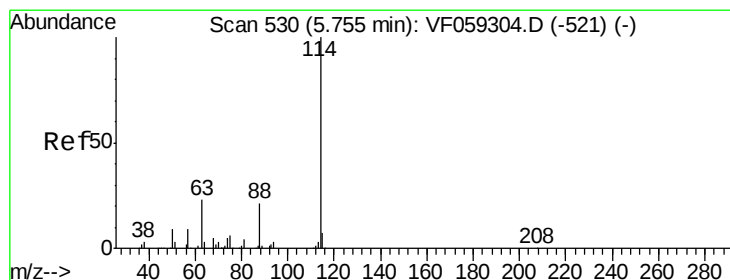
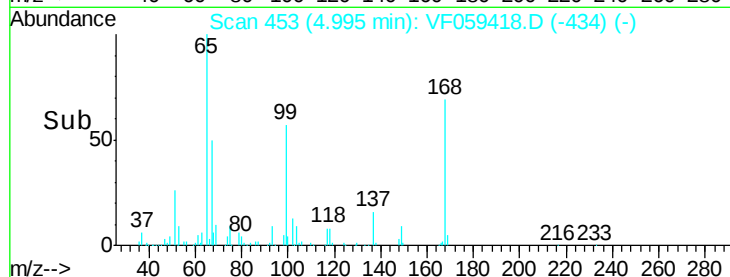
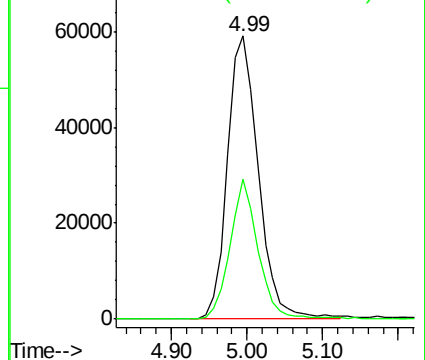
65 100

67 49.7 0.0 96.8



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: 5.73 min Scan# 528

Delta R.T. -0.02 min

Lab File: VF059418.D

Acq: 3 Jul 2018 18:02

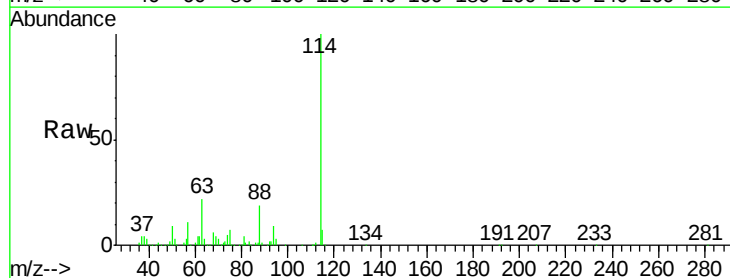
Tgt Ion: 114 Resp: 361951

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.8

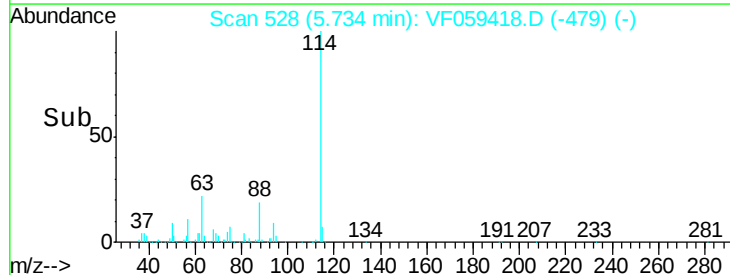
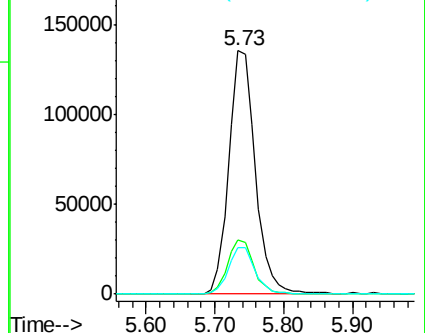
88 19.0 0.0 41.2



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

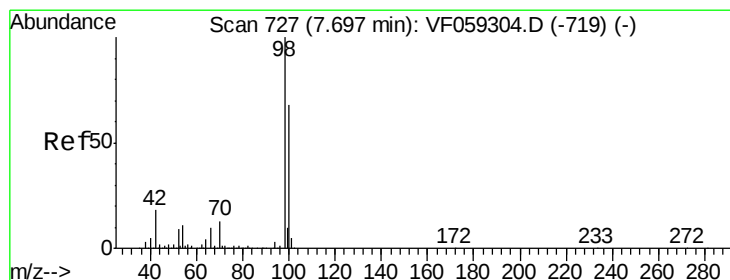
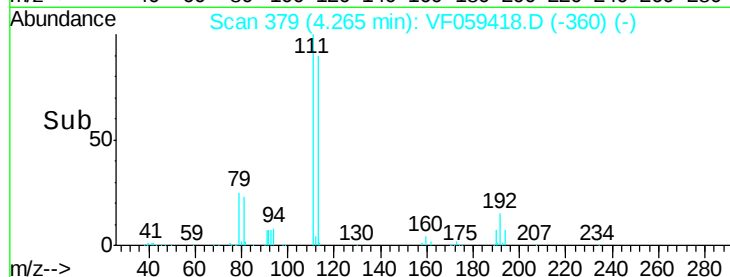
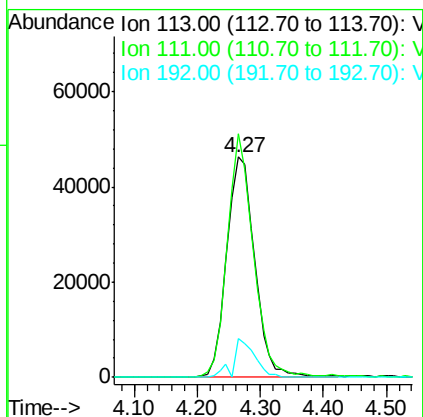
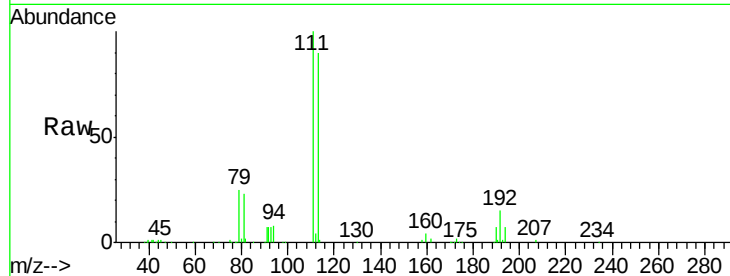




#35
 Dibromofluoromethane
 Concen: 54.039 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059418.D
 Acq: 3 Jul 2018 18:02

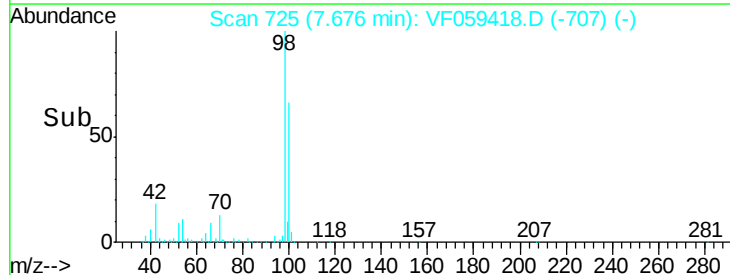
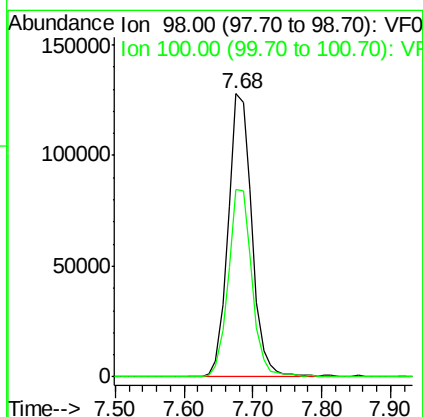
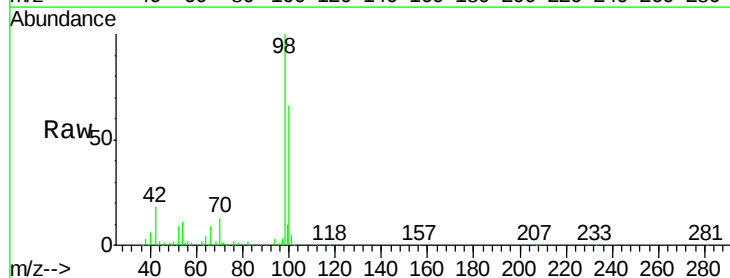
Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-062918-DRE

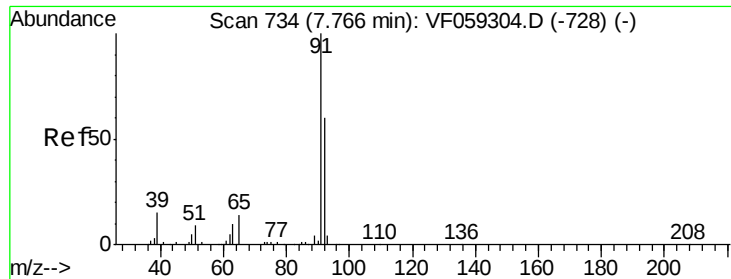
Tot Ion:113 Resp: 142916
 Ion Ratio Lower Upper
 113 100
 111 110.7 82.1 123.1
 192 17.5 13.0 19.6



#50
 Toluene-d8
 Concen: 46.575 ug/l
 RT: 7.68 min Scan# 725
 Delta R.T. -0.02 min
 Lab File: VF059418.D
 Acq: 3 Jul 2018 18:02

Tgt Ion: 98 Resp: 304967
 Ion Ratio Lower Upper
 98 100
 100 66.3 54.6 82.0





#52

Toluene

Concen: 1.426 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059418.D

Acq: 3 Jul 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

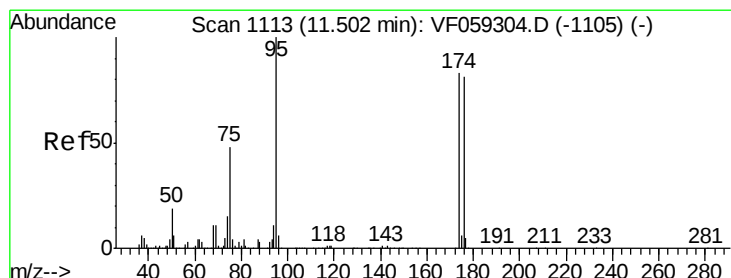
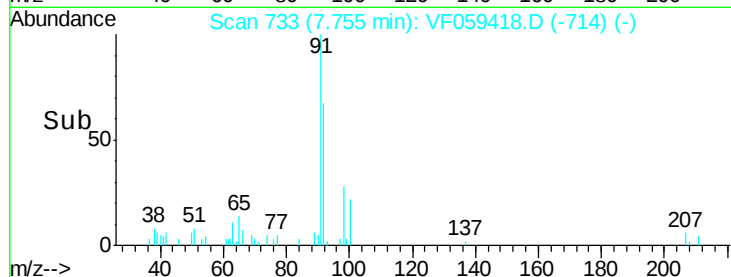
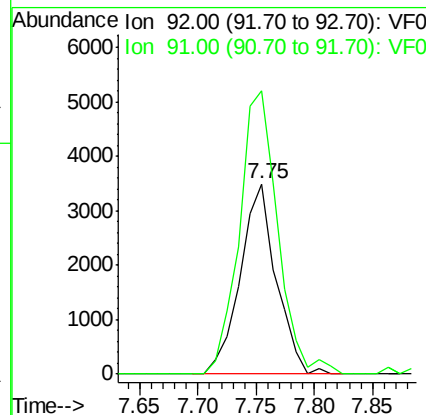
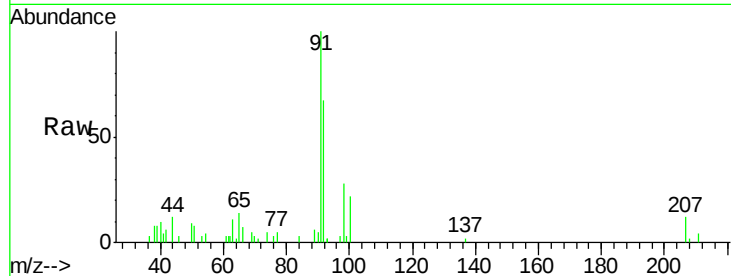
CL-01-062918-DRE

Tot Ion: 92 Resp: 7480

Ion Ratio Lower Upper

92 100

91 148.9 132.8 199.2



#62

4-Bromofluorobenzene

Concen: 43.777 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059418.D

Acq: 3 Jul 2018 18:02

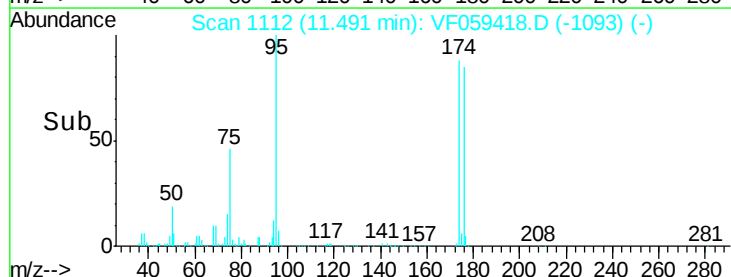
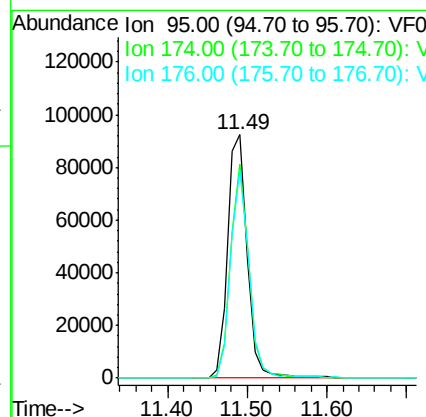
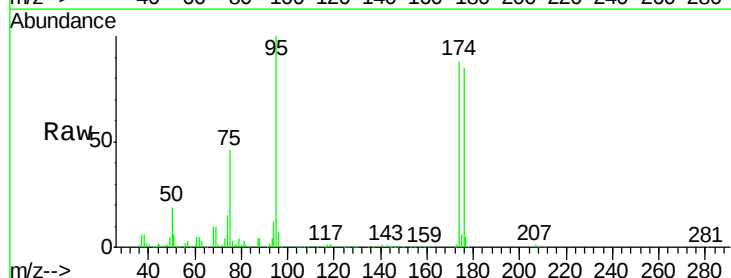
Tgt Ion: 95 Resp: 161696

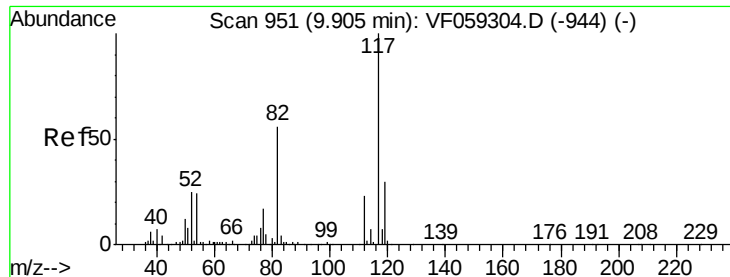
Ion Ratio Lower Upper

95 100

174 88.1 0.0 165.2

176 85.2 0.0 161.0

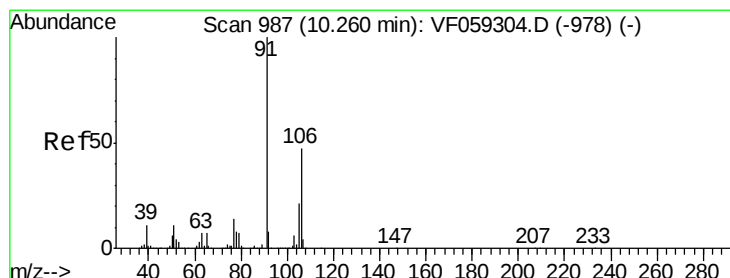
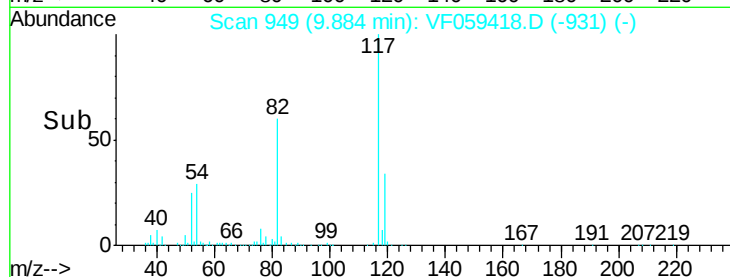
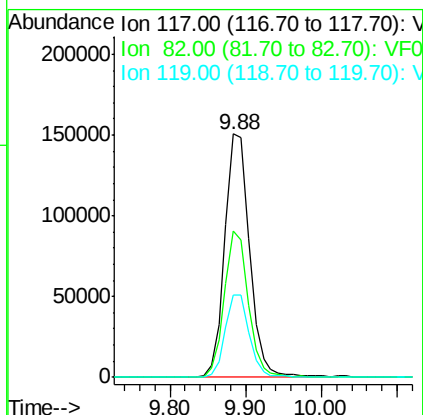
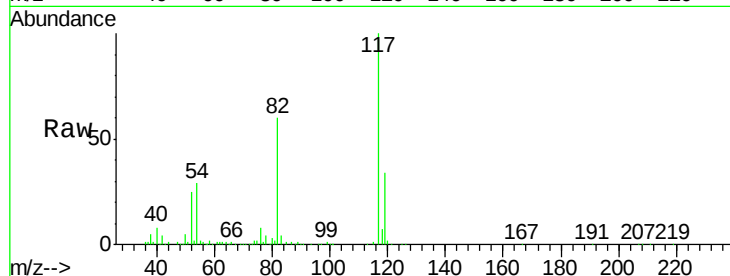




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 949
Delta R.T. -0.02 min
Lab File: VF059418.D
Acq: 3 Jul 2018 18:02

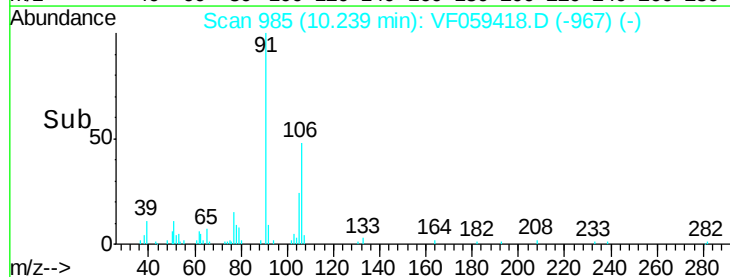
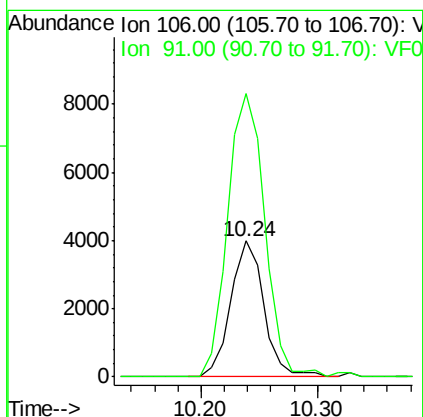
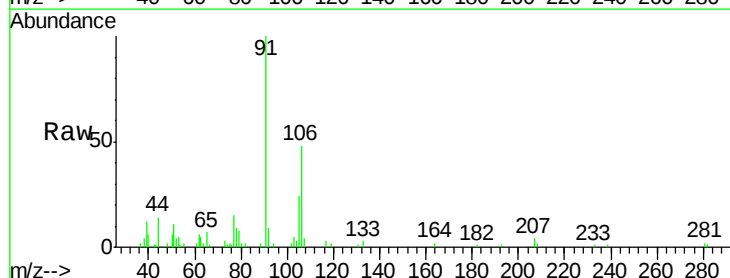
Instrument :
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ClientSampleId :
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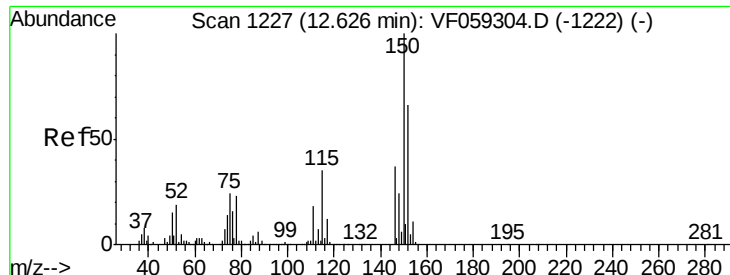
Tot Ion:117 Resp: 343725
Ion Ratio Lower Upper
117 100
82 60.2 44.6 66.8
119 33.6 24.1 36.1



#68
m/p-Xylenes
Concen: 2.038 ug/l
RT: 10.24 min Scan# 985
Delta R.T. -0.02 min
Lab File: VF059418.D
Acq: 3 Jul 2018 18:02

Tgt Ion:106 Resp: 7837
Ion Ratio Lower Upper
106 100
91 208.2 170.8 256.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059418.D

Acq: 3 Jul 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

CL-01-062918-DRE

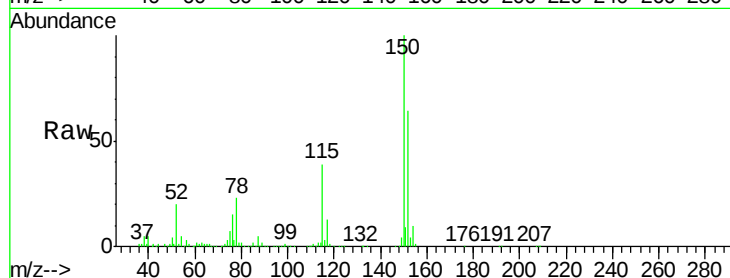
Tot Ion:152 Resp: 176499

Ion Ratio Lower Upper

152 100

115 60.7 27.1 81.3

150 155.5 0.0 305.2



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

