

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059314.D
 Acq On : 26 Jun 2018 13:59
 Operator : VA/AP
 Sample : J3664-05RE
 Misc : 6.12g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DUP-0482-180619RE

Quant Time: Jun 27 03:00:46 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	5.02	168	260481	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	400664	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	397202	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	264199	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	135433	40.24	ug/l	-0.01
Spiked Amount			Recovery	=	80.48%	
35) Dibromofluoromethane	4.27	113	126699	43.28	ug/l	-0.01
Spiked Amount			Recovery	=	86.56%	
50) Toluene-d8	7.69	98	293987	40.56	ug/l	-0.01
Spiked Amount			Recovery	=	81.12%	
62) 4-Bromofluorobenzene	11.49	95	174802	42.75	ug/l	-0.01
Spiked Amount			Recovery	=	85.50%	

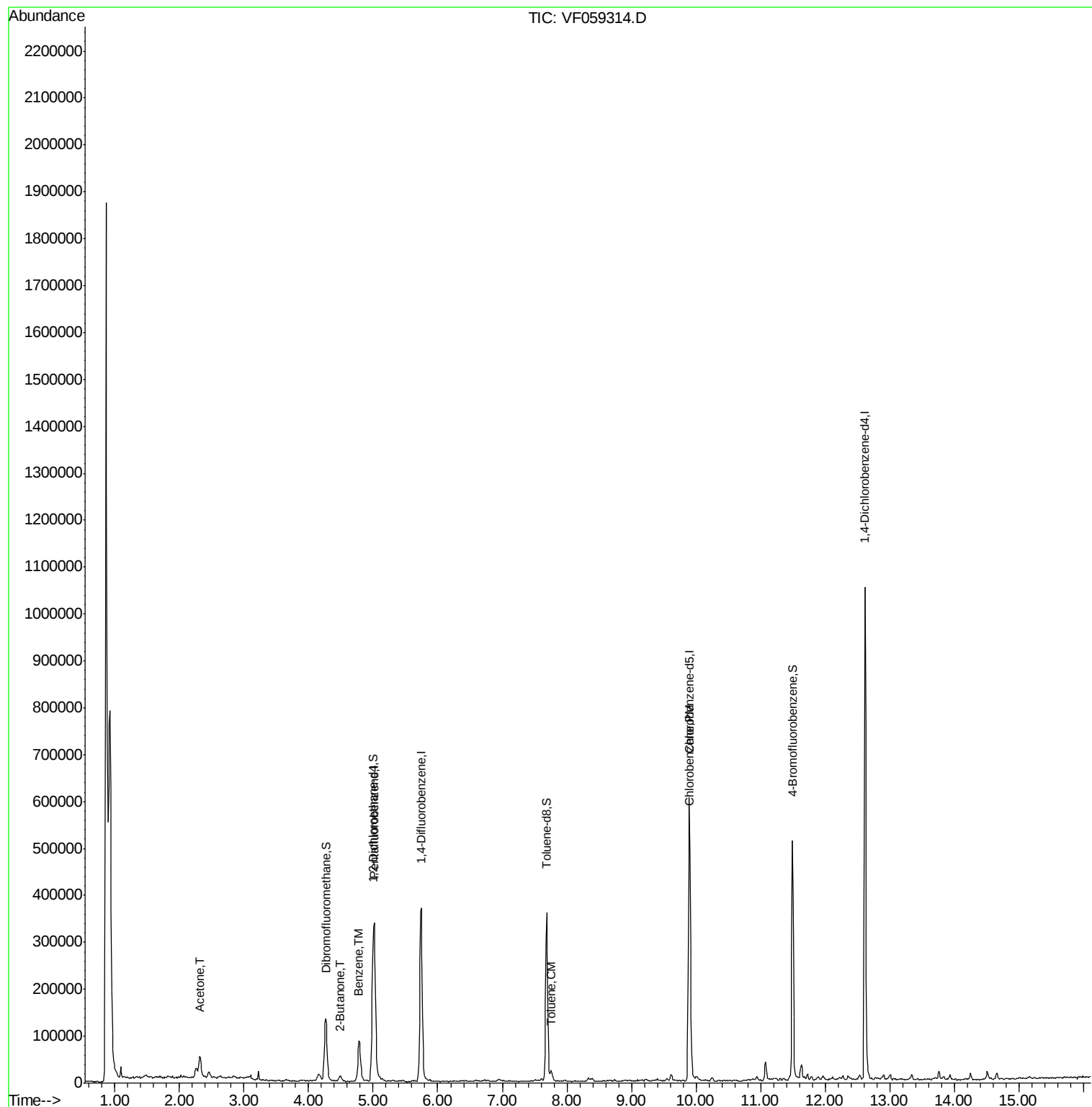
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	72953	79.86	ug/l	97
25) 2-Butanone	4.48	43	21107	18.19	ug/l	98
40) Benzene	4.78	78	100305	12.93	ug/l	93
52) Toluene	7.76	92	10185	1.75	ug/l	77
65) Chlorobenzene	9.91	112	48899	6.64	ug/l	97

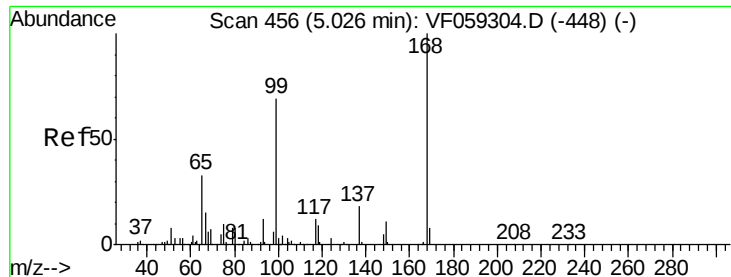
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059314.D

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Instrument :

MSVOA_F

ClientSampleId :

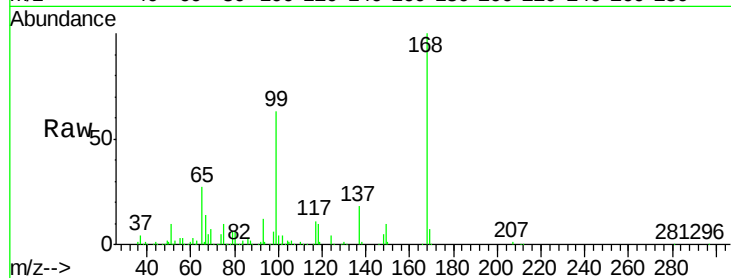
DUP-0482-180619RE

Tot Ion:168 Resp: 260481

Ion Ratio Lower Upper

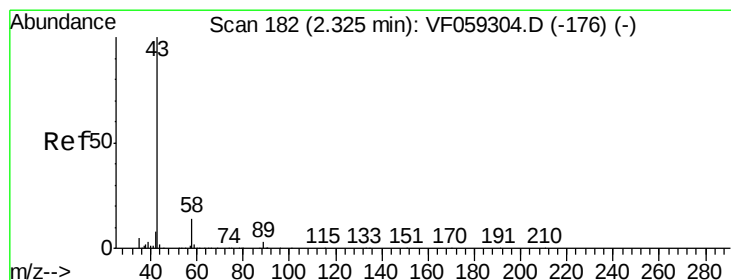
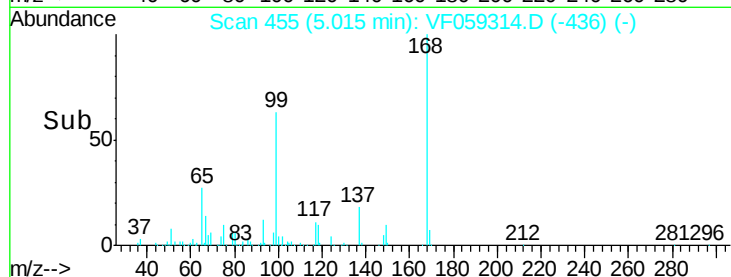
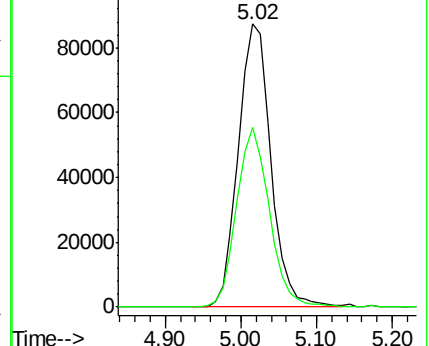
168 100

99 63.4 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: 79.86 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059314.D

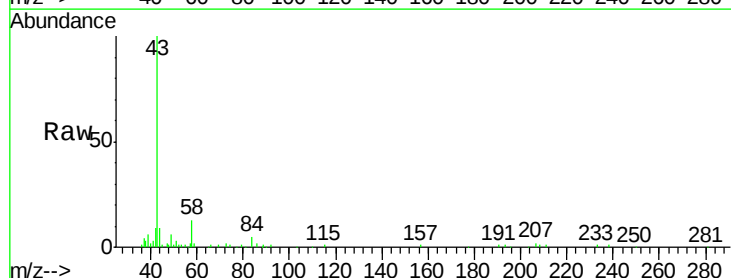
Acq: 26 Jun 2018 13:59

Tgt Ion: 43 Resp: 72953

Ion Ratio Lower Upper

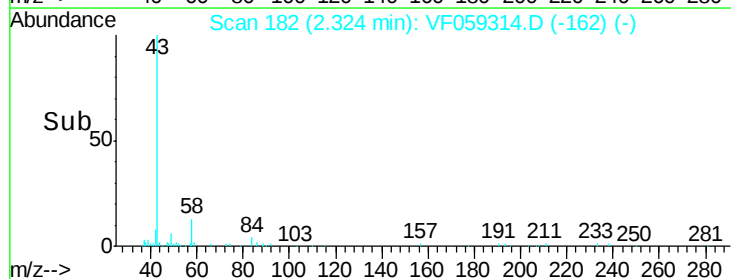
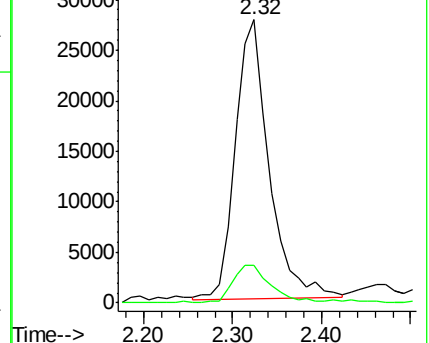
43 100

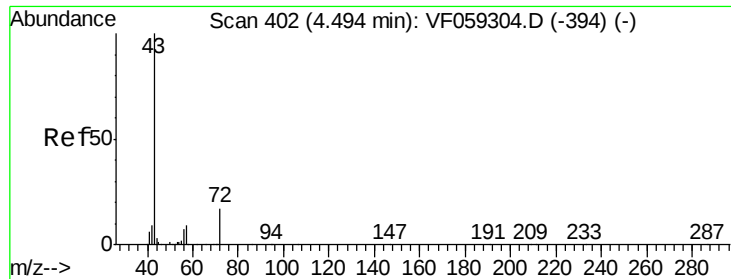
58 13.2 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#25

2-Butanone

Concen: 18.19 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059314.D

Acq: 26 Jun 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

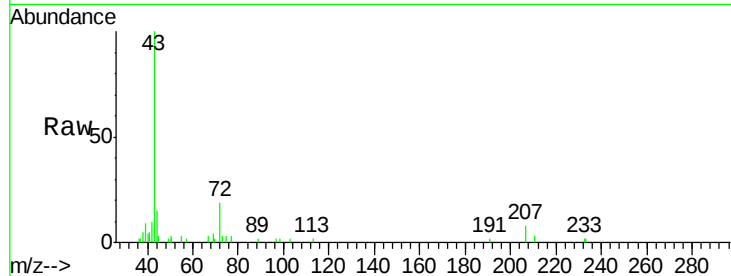
DUP-0482-180619RE

Tot Ion: 43 Resp: 21107

Ion Ratio Lower Upper

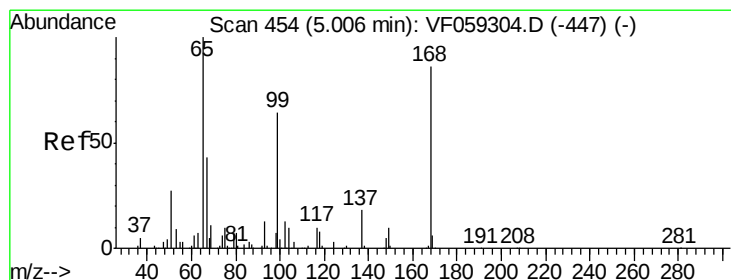
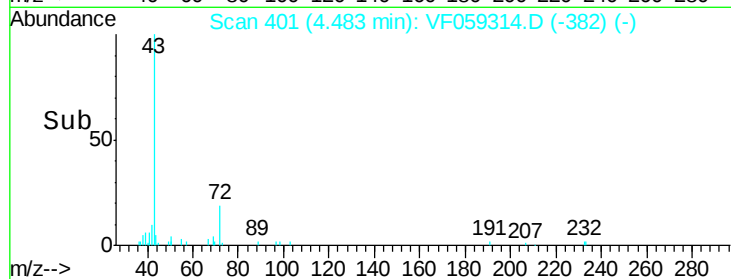
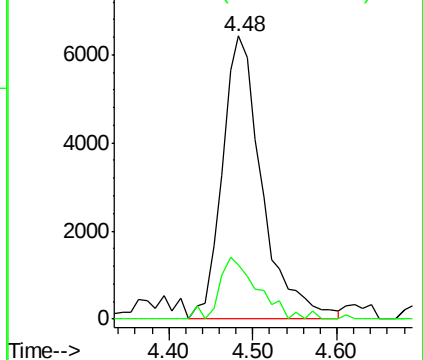
43 100

72 19.0 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 40.24 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059314.D

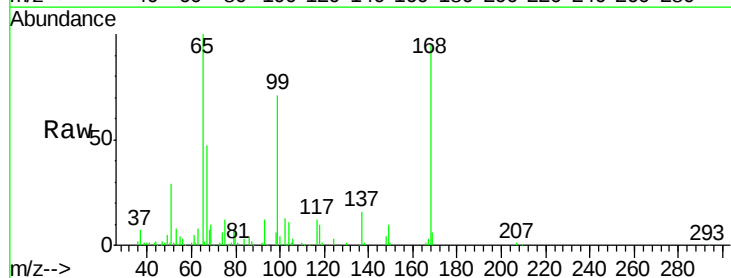
Acq: 26 Jun 2018 13:59

Tgt Ion: 65 Resp: 135433

Ion Ratio Lower Upper

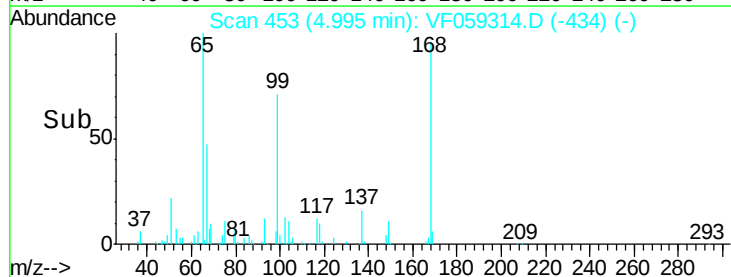
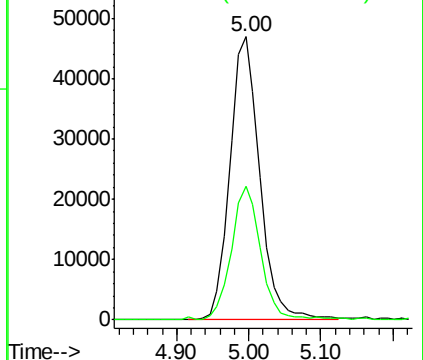
65 100

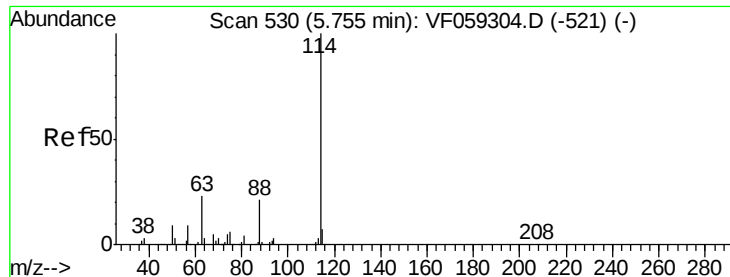
67 47.4 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059314.D

Acq: 26 Jun 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

DUP-0482-180619RE

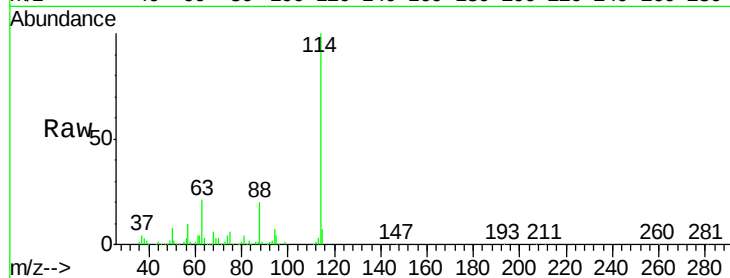
Tot Ion:114 Resp: 400664

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.8

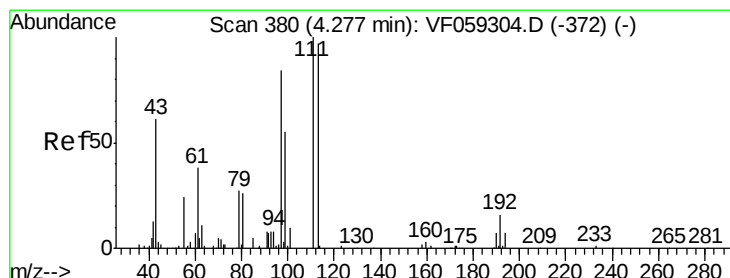
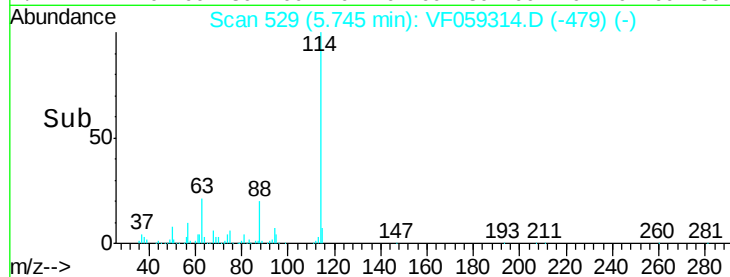
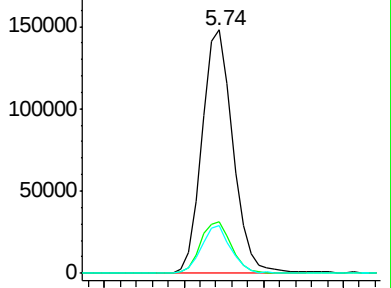
88 19.8 0.0 41.2



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: 43.28 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059314.D

Acq: 26 Jun 2018 13:59

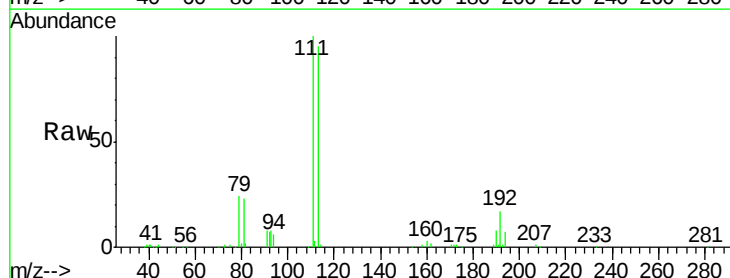
Tgt Ion:113 Resp: 126699

Ion Ratio Lower Upper

113 100

111 108.1 82.1 123.1

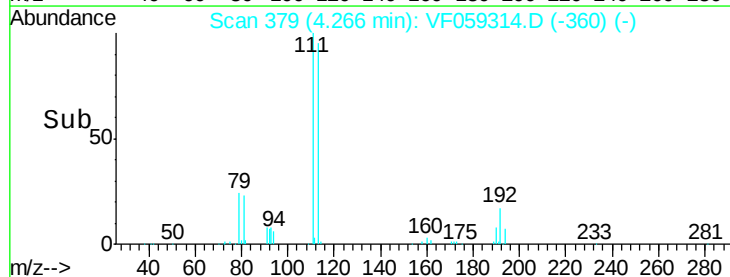
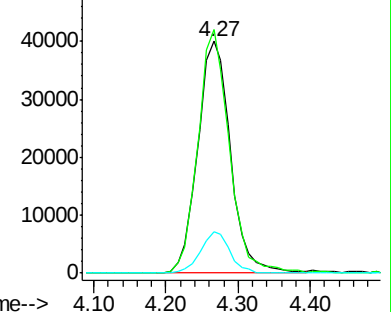
192 18.1 13.0 19.6

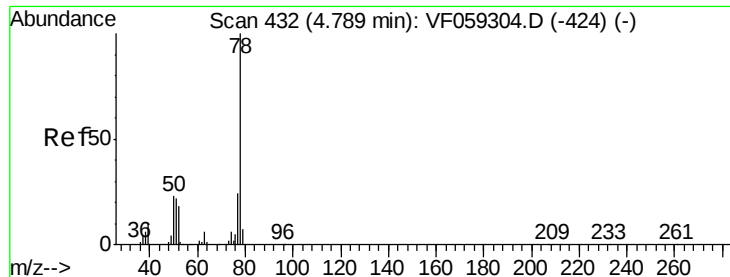


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#40

Benzene

Concen: 12.93 ug/l

RT: 4.78 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF059314.D

Acq: 26 Jun 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

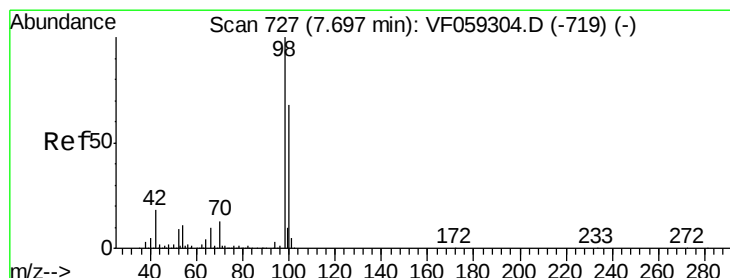
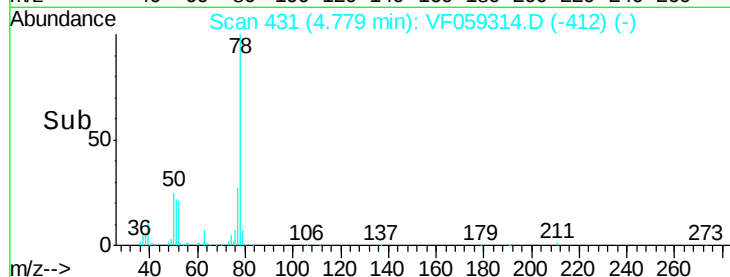
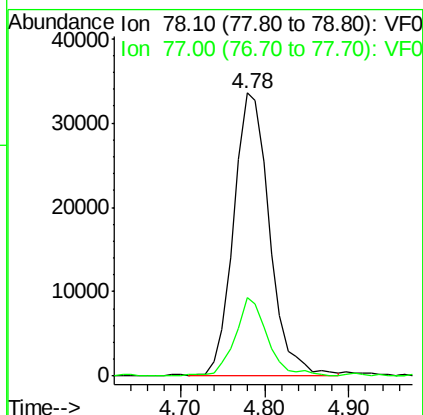
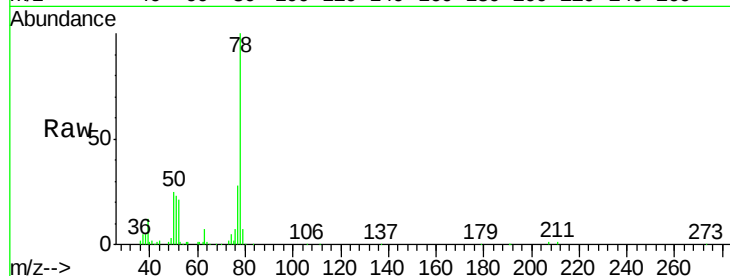
DUP-0482-180619RE

Tot Ion: 78 Resp: 100305

Ion Ratio Lower Upper

78 100

77 27.7 19.6 29.4



#50

Toluene-d8

Concen: 40.56 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059314.D

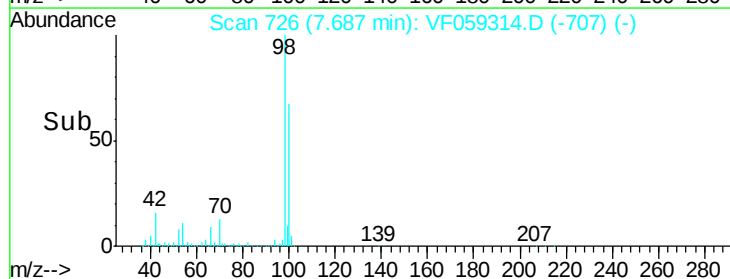
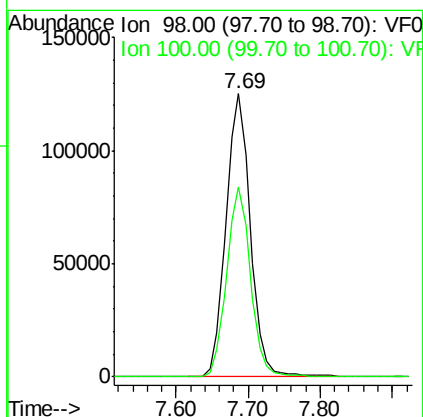
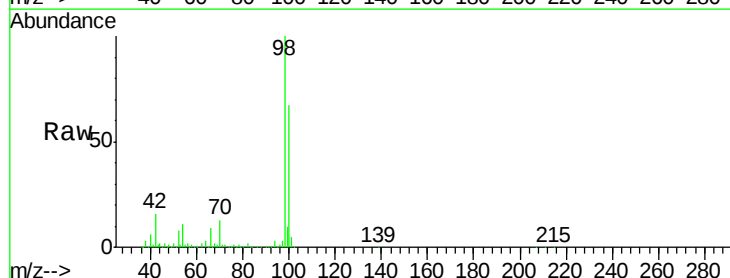
Acq: 26 Jun 2018 13:59

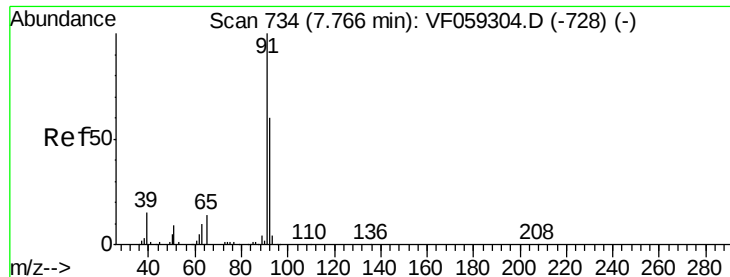
Tgt Ion: 98 Resp: 293987

Ion Ratio Lower Upper

98 100

100 67.2 54.6 82.0





#52

Toluene

Concen: 1.75 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059314.D

Acq: 26 Jun 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

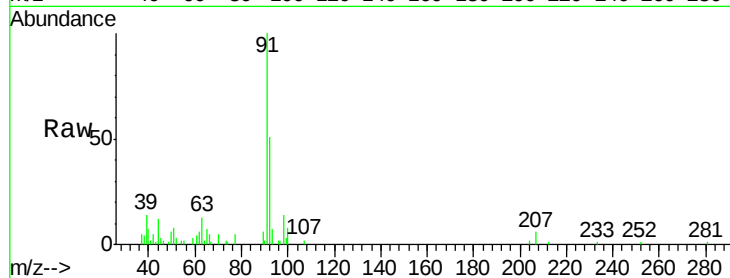
DUP-0482-180619RE

Tot Ion: 92 Resp: 10185

Ion Ratio Lower Upper

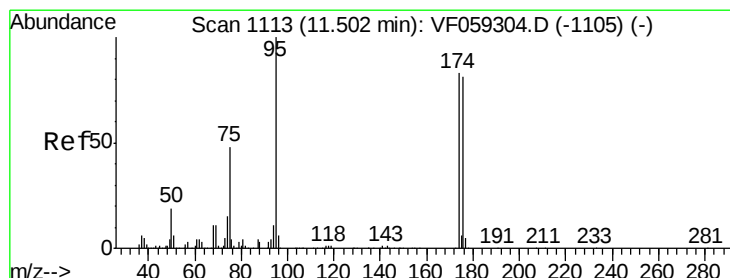
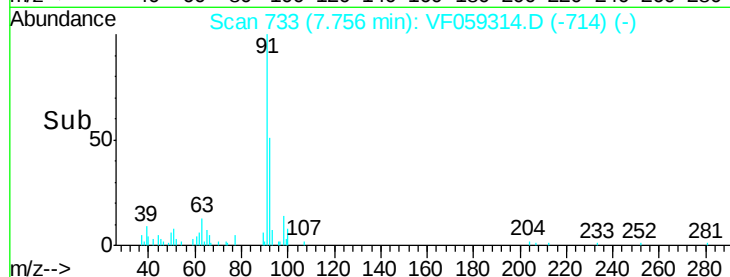
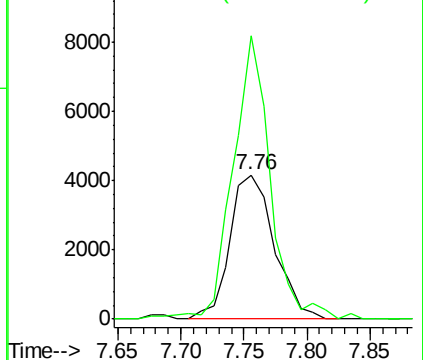
92 100

91 196.7 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 42.75 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059314.D

Acq: 26 Jun 2018 13:59

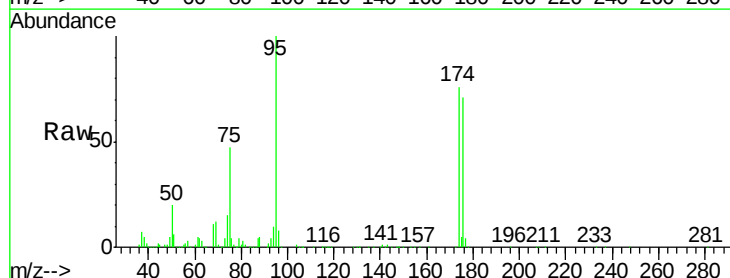
Tgt Ion: 95 Resp: 174802

Ion Ratio Lower Upper

95 100

174 75.6 0.0 165.2

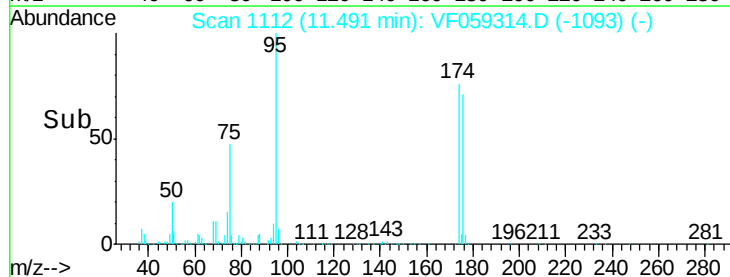
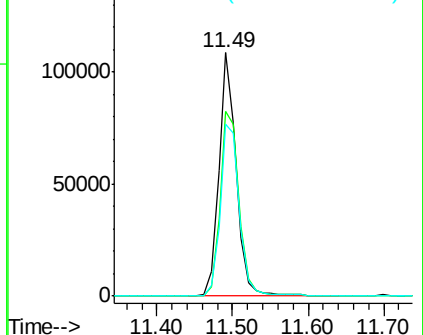
176 70.6 0.0 161.0

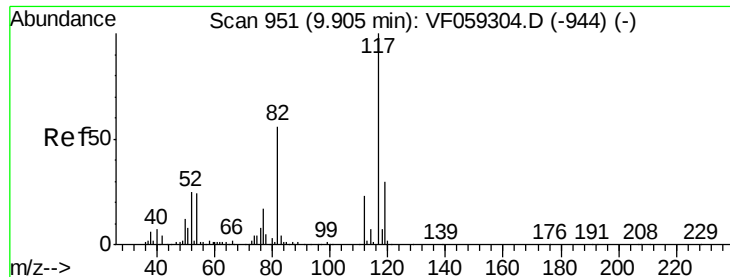


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

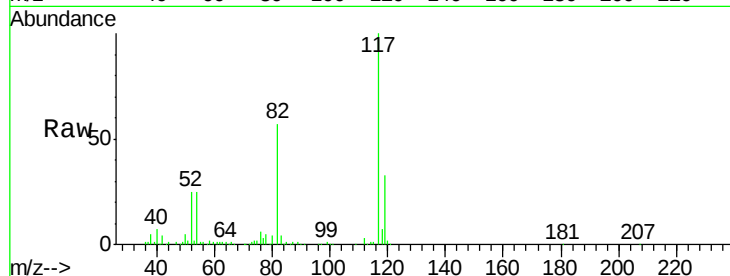




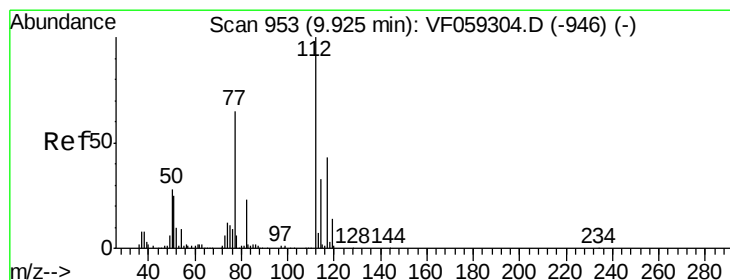
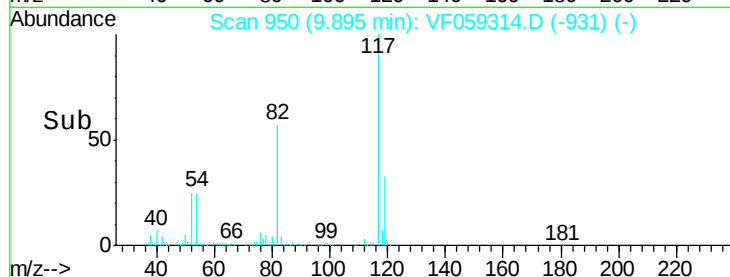
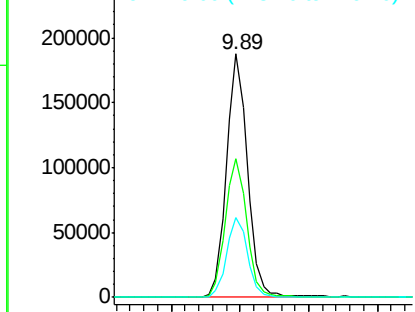
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059314.D
Acq: 26 Jun 2018 13:59

Instrument :
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DUP-0482-180619RE

Tot Ion:117 Resp: 397202
Ion Ratio Lower Upper
117 100
82 57.0 44.6 66.8
119 32.5 24.1 36.1

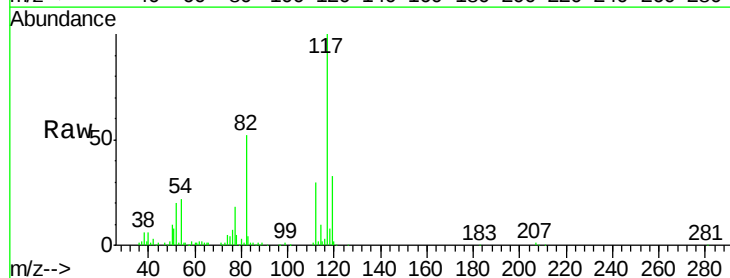


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

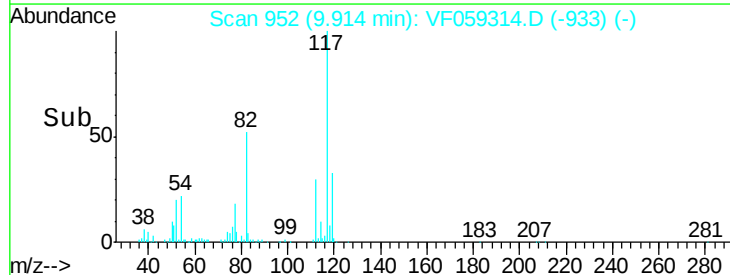
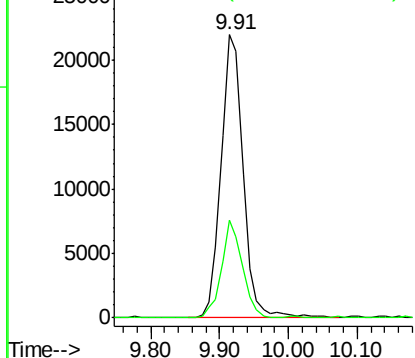


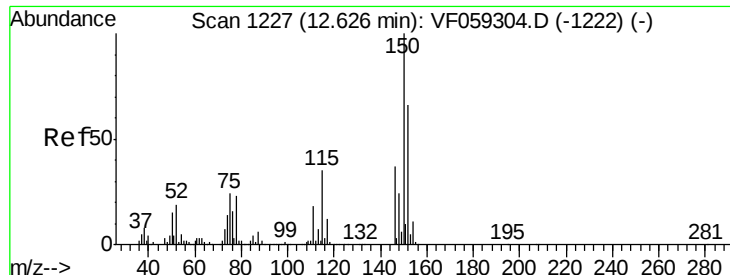
#65
Chlorobenzene
Concen: 6.64 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF059314.D
Acq: 26 Jun 2018 13:59

Tgt Ion:112 Resp: 48899
Ion Ratio Lower Upper
112 100
114 34.7 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059314.D

Acq: 26 Jun 2018 13:59

Instrument :

MSVOA_F

ClientSampleId :

DUP-0482-180619RE

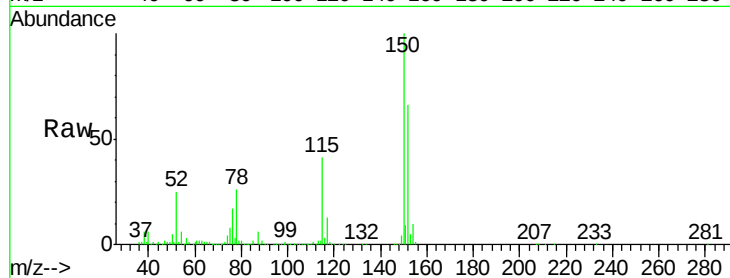
Tot Ion:152 Resp: 264199

Ion Ratio Lower Upper

152 100

115 62.0 27.1 81.3

150 152.0 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

