

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059372.D
 Acq On : 28 Jun 2018 20:39
 Operator : VA/AP
 Sample : J3746-04
 Misc : 9.93g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-01-009-B

Quant Time: Jun 29 03:12:48 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

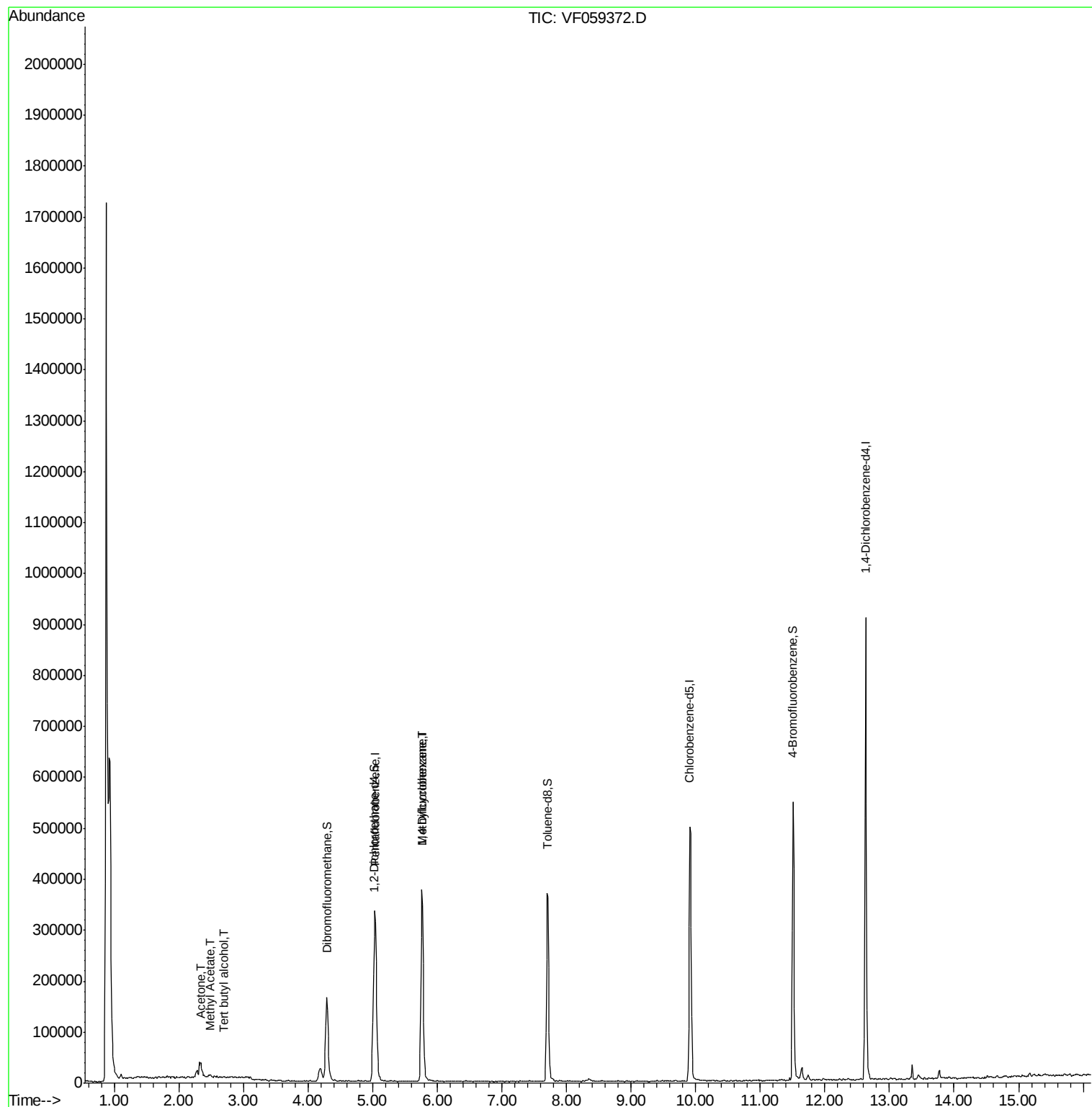
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	242259	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	407824	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	368125	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	220391	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	150989	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	
35) Dibromofluoromethane	4.29	113	150208	50.41	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.82%	
50) Toluene-d8	7.70	98	306929	41.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.20%	
62) 4-Bromofluorobenzene	11.51	95	191804	46.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.18%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.32	94	297	Below Cal	#	4
11) Tert butyl alcohol	2.68	59	1517	7.280	ug/l #	56
13) Acrolein	2.08	56	269	Below Cal		89
16) Acetone	2.34	43	40963	43.998	ug/l #	93
18) Methyl Acetate	2.48	43	4670	2.193	ug/l #	61
20) Methylene Chloride	2.31	84	4374	Below Cal		93
25) 2-Butanone	4.50	43	373	Below Cal	#	7
28) Bromochloromethane	3.92	49	142	Below Cal	#	6
29) Tetrahydrofuran	4.27	42	1401	Below Cal	#	65
37) Ethyl Acetate	4.26	43	980	Below Cal	#	26
39) Methylcyclohexane	5.76	83	4047	1.282	ug/l #	48
49) 1,4-Dioxane	7.13	88	83	Below Cal	#	1
59) 2-Hexanone	9.64	43	164	Below Cal		94
87) 1,3-Dichlorobenzene	12.56	146	429	Below Cal	#	52

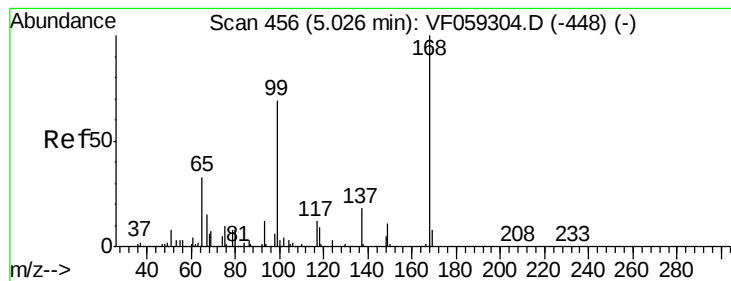
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059372.D

Acq: 28 Jun 2018 20:39

Instrument :

MSVOA_F

ClientSampleId :

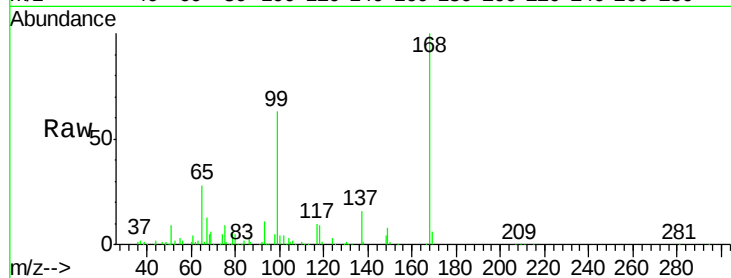
FK-GF-01-009-B

Tot Ion:168 Resp: 242259

Ion Ratio Lower Upper

168 100

99 63.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

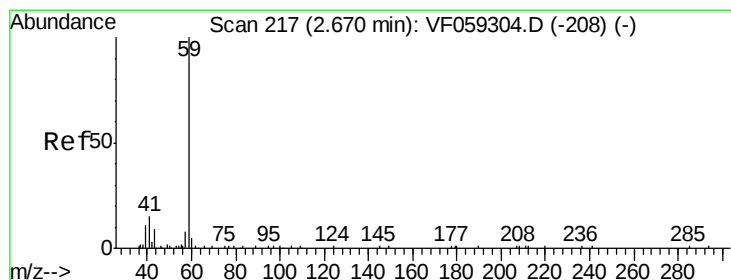
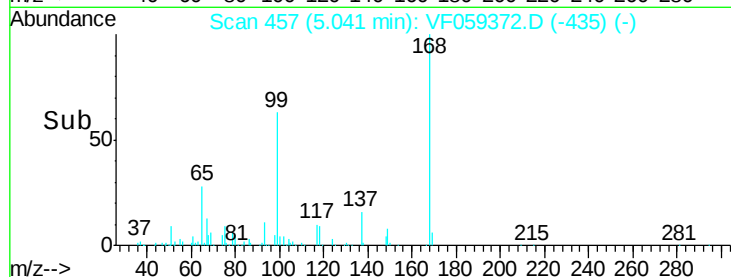
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 7.280 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.01 min

Lab File: VF059372.D

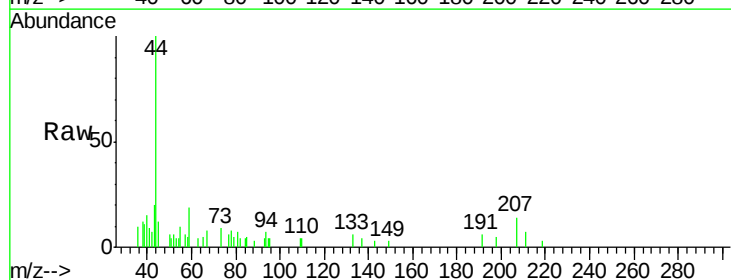
Acq: 28 Jun 2018 20:39

Tgt Ion: 59 Resp: 1517

Ion Ratio Lower Upper

59 100

57 31.5 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.68

600

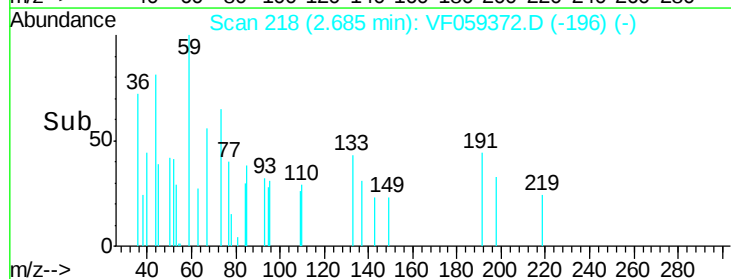
400

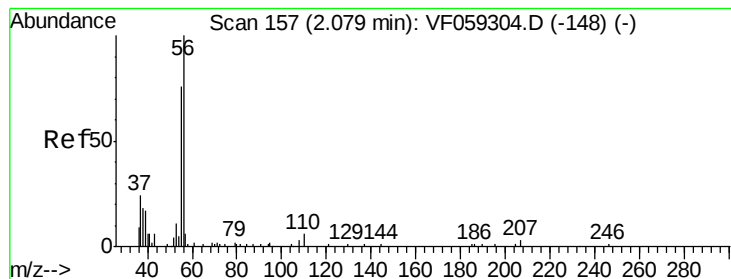
200

0

Time-->

2.65 2.70 2.75





#13

Acrolein

Concen: Below Cal

RT: 2.08 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF059372.D

Acq: 28 Jun 2018 20:39

Instrument :

MSVOA_F

ClientSampleId :

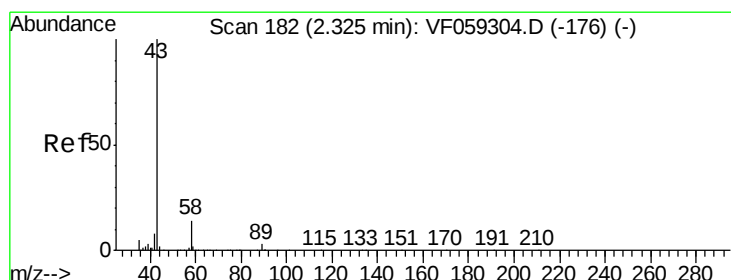
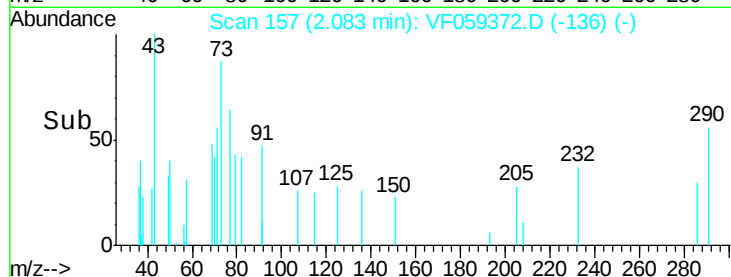
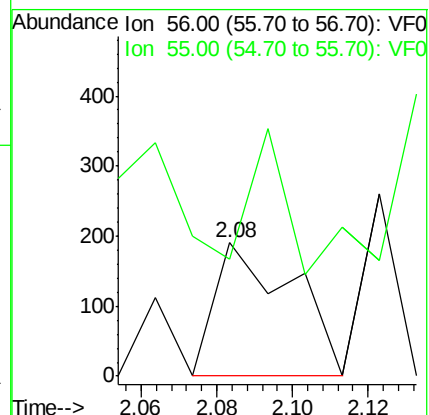
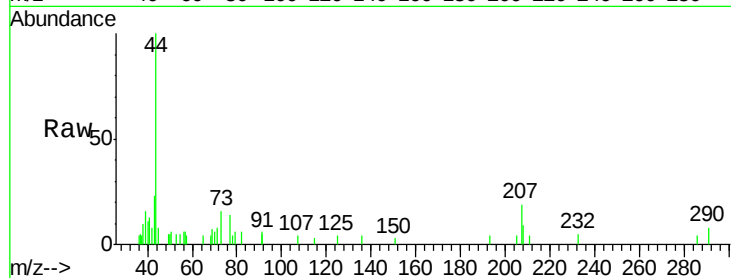
FK-GF-01-009-B

Tot Ion: 56 Resp: 269

Ion Ratio Lower Upper

56 100

55 87.9 62.4 93.6



#16

Acetone

Concen: 43.998 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059372.D

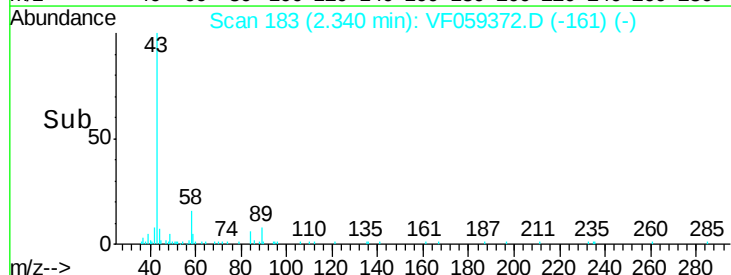
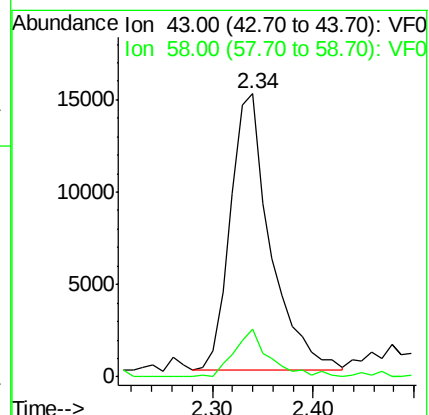
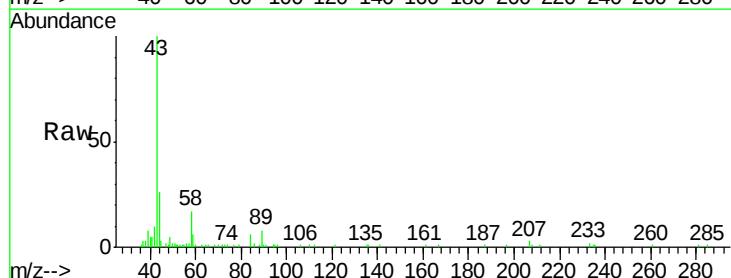
Acq: 28 Jun 2018 20:39

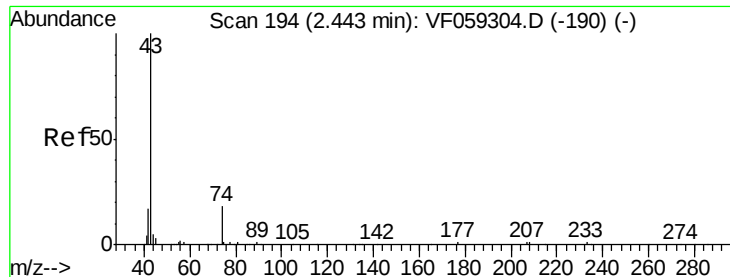
Tgt Ion: 43 Resp: 40963

Ion Ratio Lower Upper

43 100

58 17.0 11.4 17.0#

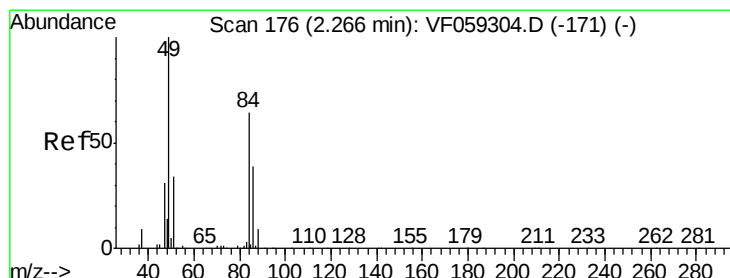
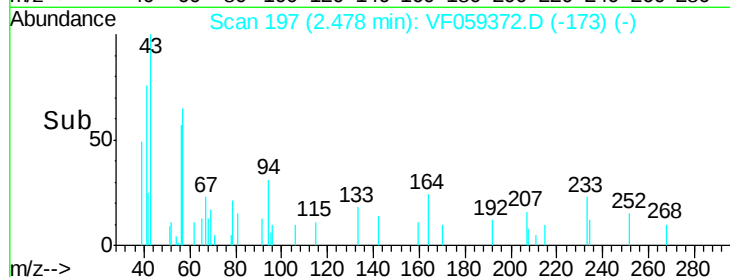
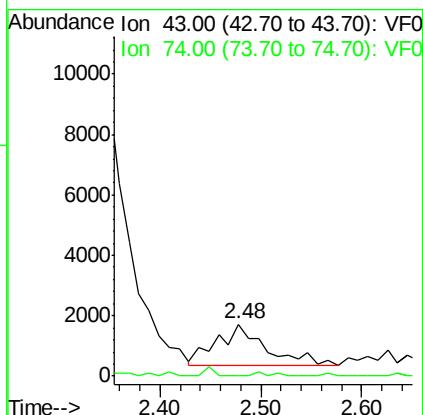
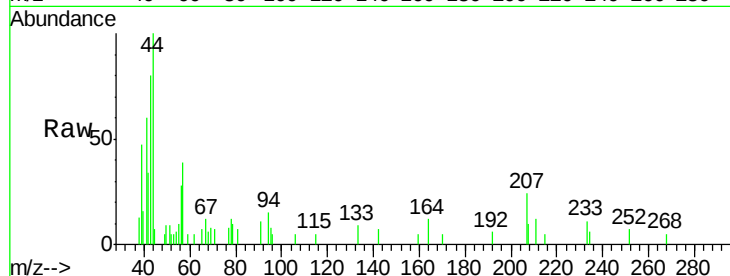




#18
Methyl Acetate
Concen: 2.193 ug/l
RT: 2.48 min Scan# 197
Delta R.T. 0.03 min
Lab File: VF059372.D
Acq: 28 Jun 2018 20:39

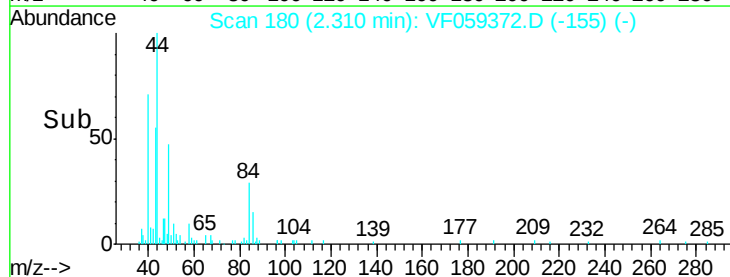
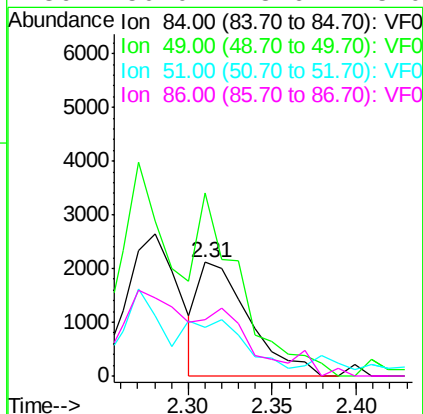
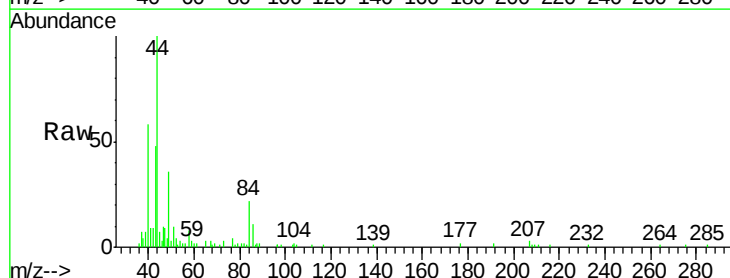
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-01-009-B

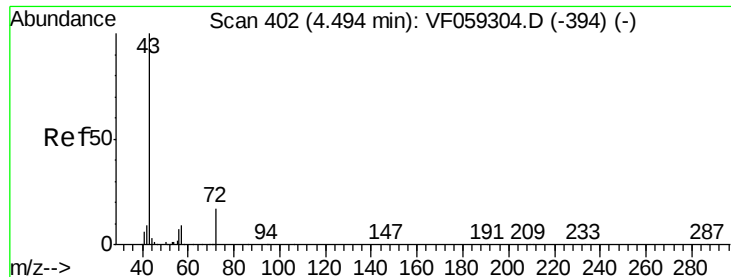
Tot Ion: 43 Resp: 4670
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.31 min Scan# 180
Delta R.T. 0.05 min
Lab File: VF059372.D
Acq: 28 Jun 2018 20:39

Tgt Ion: 84 Resp: 4374
Ion Ratio Lower Upper
84 100
49 161.2 126.5 189.7
51 43.4 42.9 64.3
86 50.0 48.6 73.0

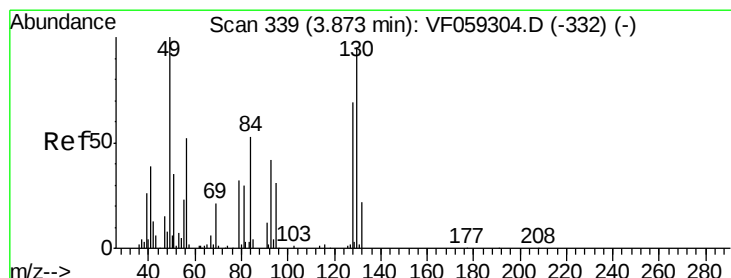
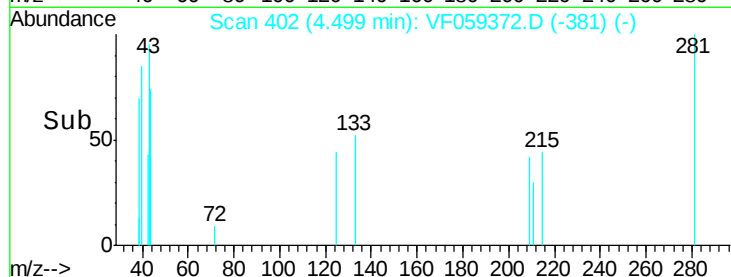
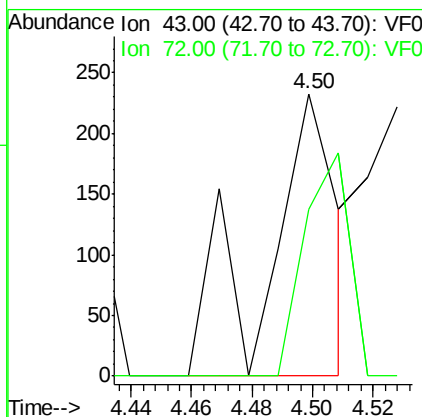
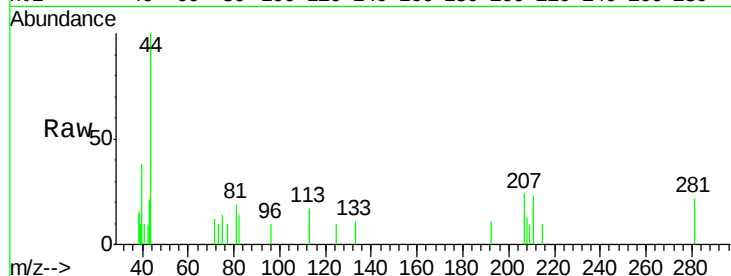




#25
2-Butanone
Concen: Below Cal
RT: 4.50 min Scan# 402
Delta R.T. 0.01 min
Lab File: VF059372.D
Acq: 28 Jun 2018 20:39

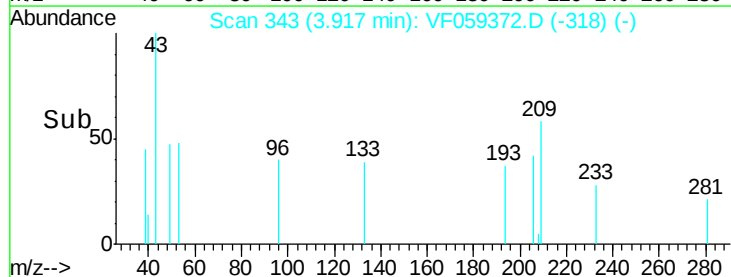
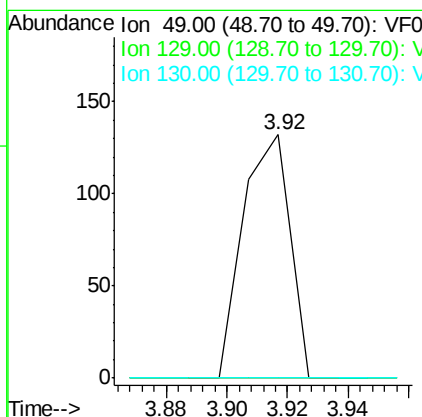
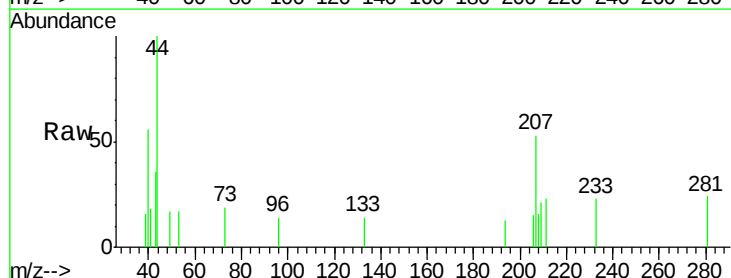
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-01-009-B

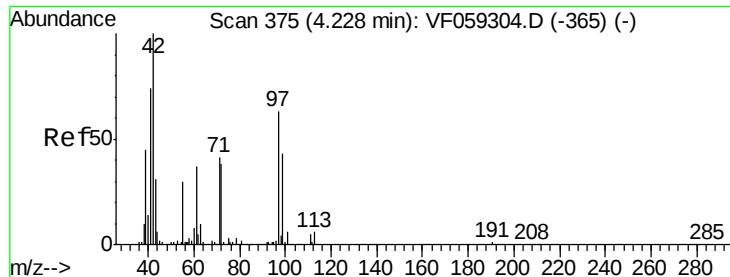
Tot Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
72 59.2 14.4 21.6#



#28
Bromochloromethane
Concen: Below Cal
RT: 3.92 min Scan# 343
Delta R.T. 0.04 min
Lab File: VF059372.D
Acq: 28 Jun 2018 20:39

Tgt Ion: 49 Resp: 142
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.4
130 0.0 75.1 112.7#

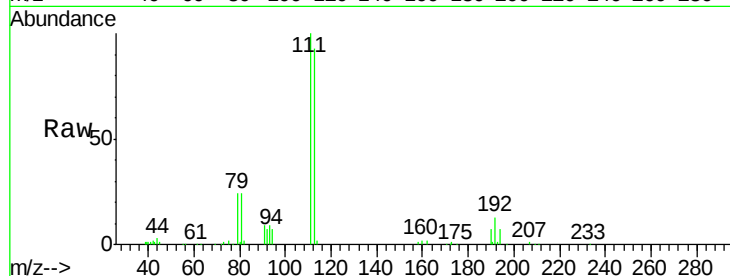




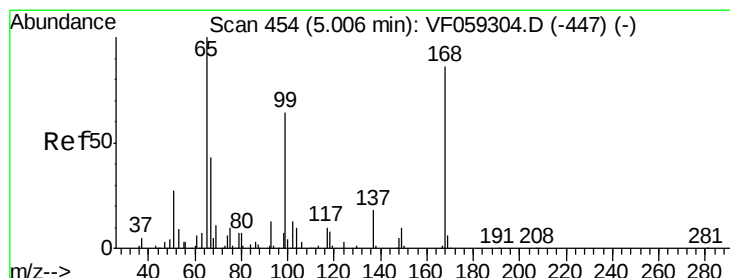
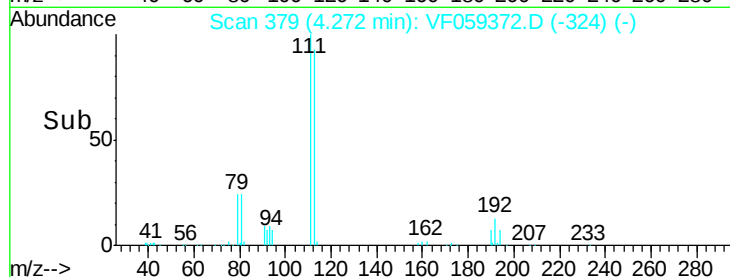
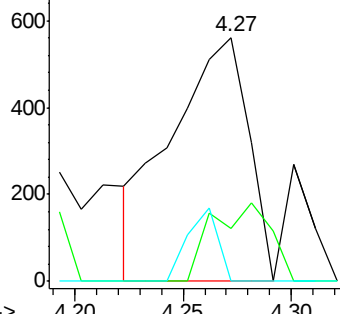
#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. 0.04 min
Lab File: VF059372.D
Acq: 28 Jun 2018 20:39

Instrument :
MSVOA_F
ClientSampleId :
FK-GF-01-009-B

Tot Ion: 42 Resp: 1401
Ion Ratio Lower Upper
42 100
72 24.3 30.5 45.7#
71 11.6 32.5 48.7#

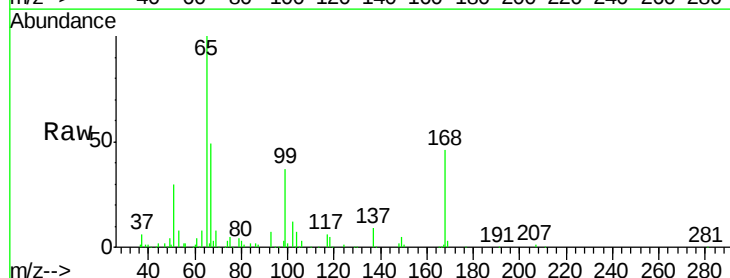


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

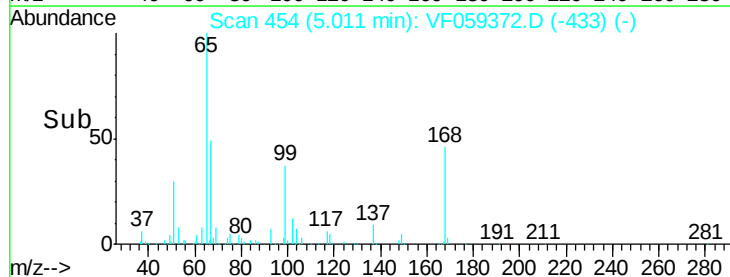
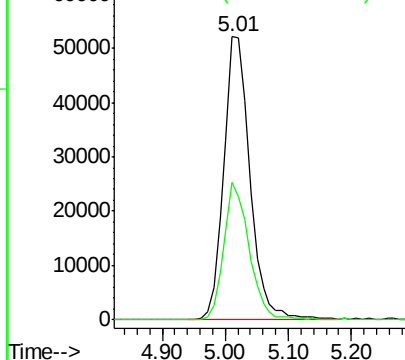


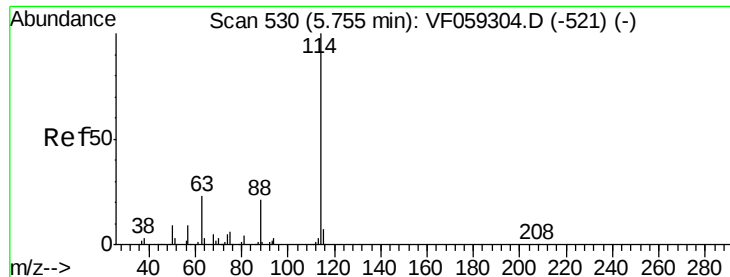
#33
1,2-Dichloroethane-d4
Concen: 48.240 ug/l
RT: 5.01 min Scan# 454
Delta R.T. 0.00 min
Lab File: VF059372.D
Acq: 28 Jun 2018 20:39

Tgt Ion: 65 Resp: 150989
Ion Ratio Lower Upper
65 100
67 48.6 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: 5.76 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF059372.D

Acq: 28 Jun 2018 20:39

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-01-009-B

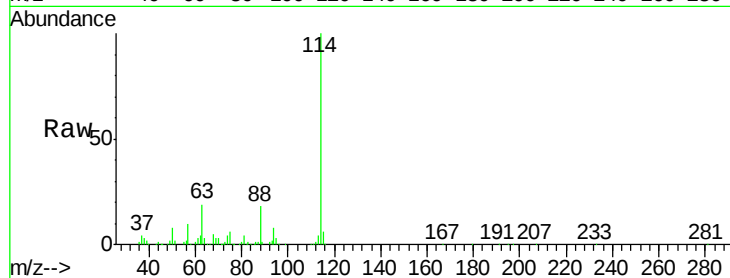
Tot Ion:114 Resp: 407824

Ion Ratio Lower Upper

114 100

63 19.3 0.0 45.8

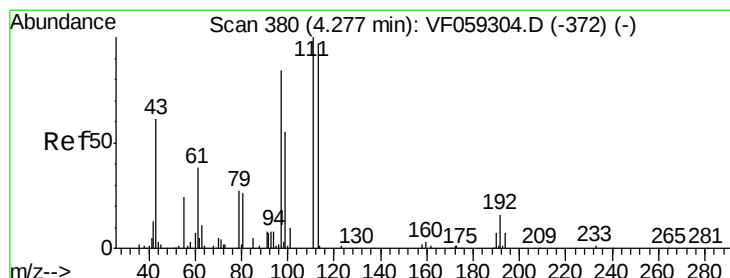
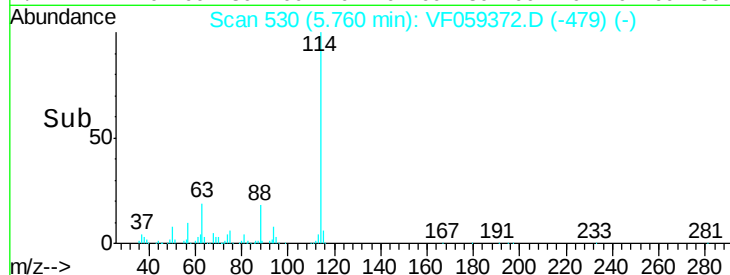
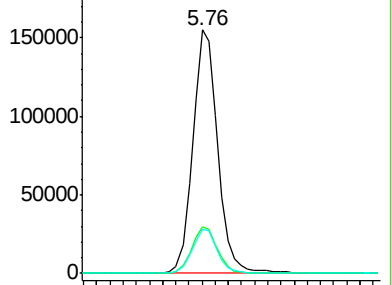
88 17.8 0.0 41.2



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: 50.408 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059372.D

Acq: 28 Jun 2018 20:39

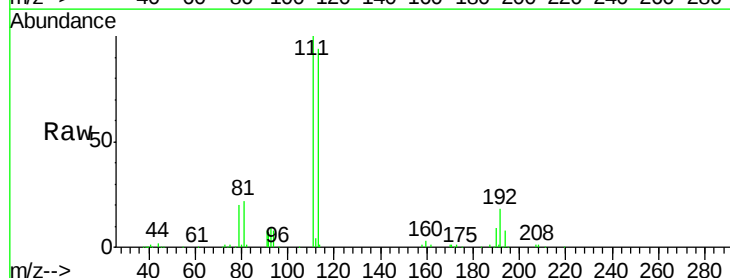
Tgt Ion:113 Resp: 150208

Ion Ratio Lower Upper

113 100

111 106.2 82.1 123.1

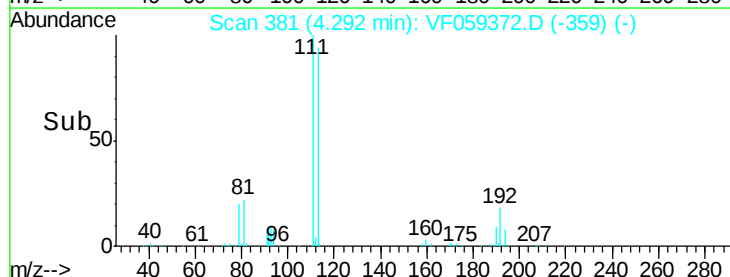
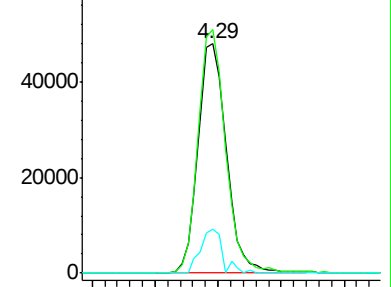
192 19.0 13.0 19.6

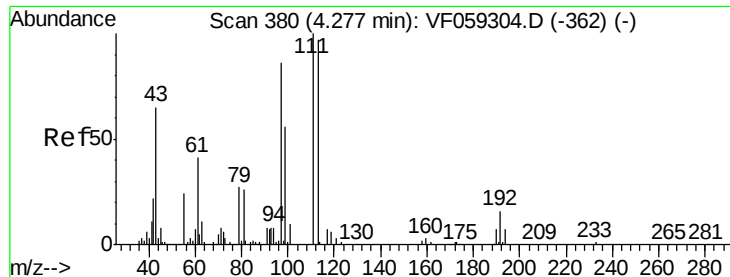


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF059372.D

Acq: 28 Jun 2018 20:39

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-01-009-B

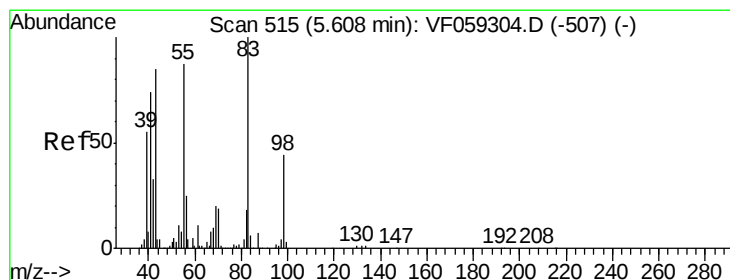
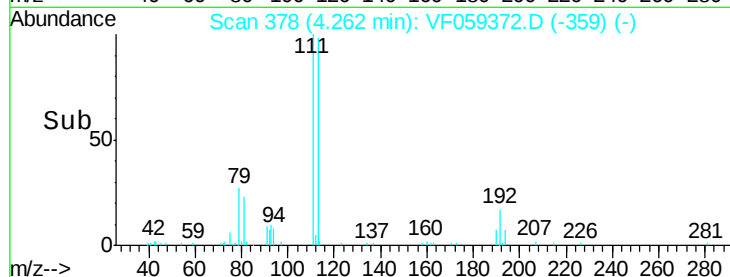
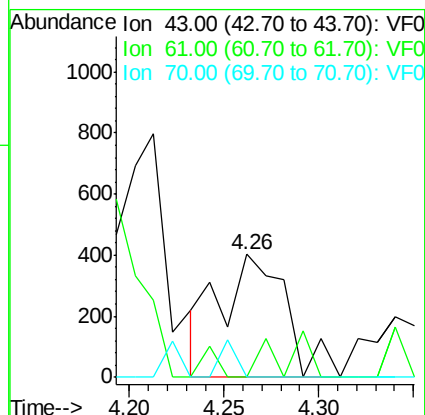
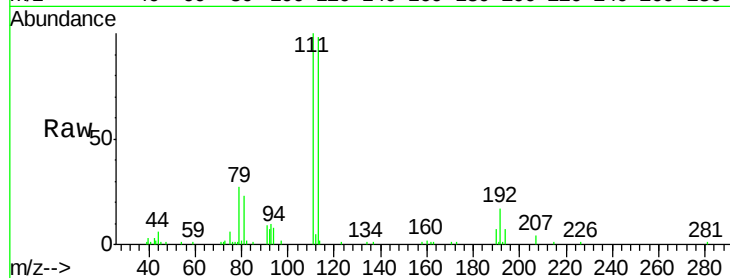
Tot Ion: 43 Resp: 980

Ion Ratio Lower Upper

43 100

61 0.0 50.1 75.1#

70 0.0 6.2 9.4#



#39

Methylcyclohexane

Concen: 1.282 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.15 min

Lab File: VF059372.D

Acq: 28 Jun 2018 20:39

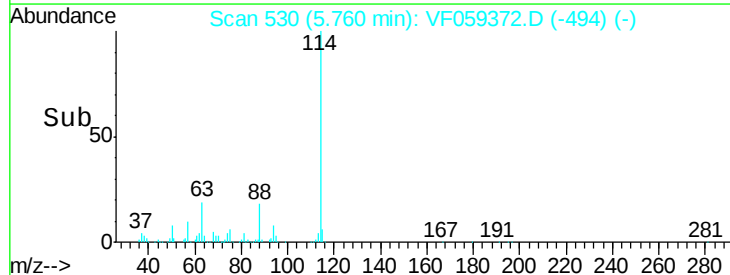
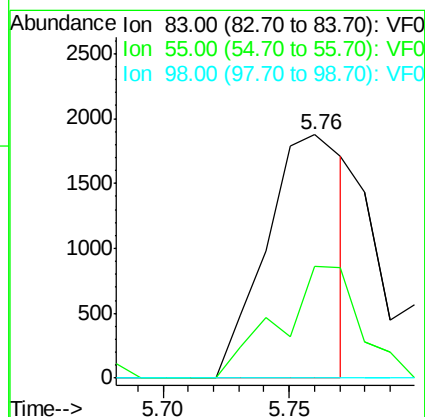
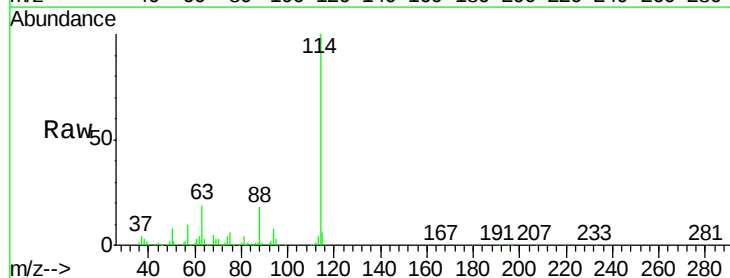
Tgt Ion: 83 Resp: 4047

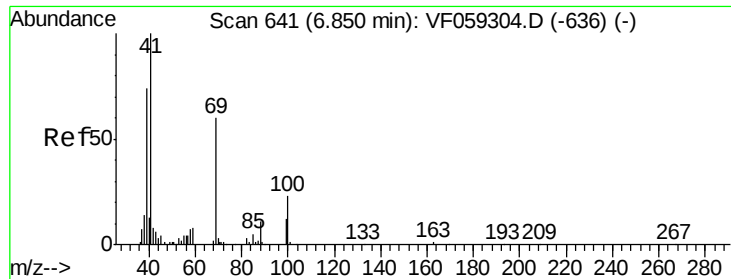
Ion Ratio Lower Upper

83 100

55 45.9 69.2 103.8#

98 0.0 35.0 52.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.13 min Scan# 669

Delta R.T. 0.28 min

Lab File: VF059372.D

Acq: 28 Jun 2018 20:39

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-01-009-B

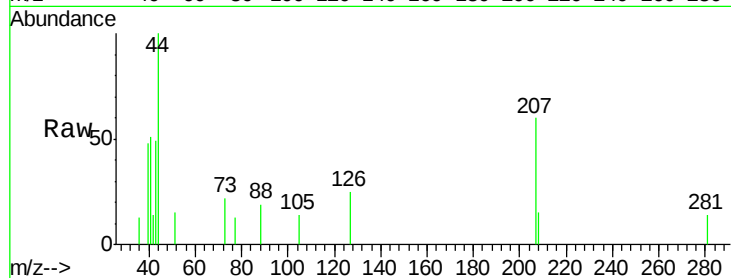
Tot Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 261.0 50.6 75.8#

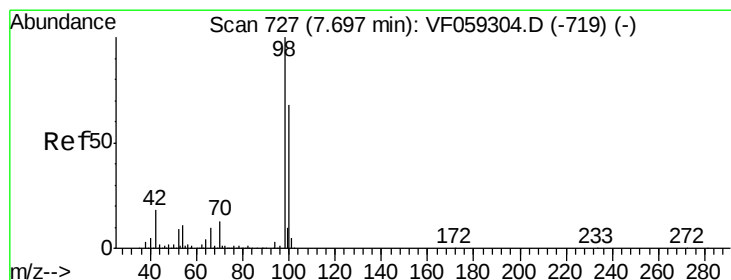
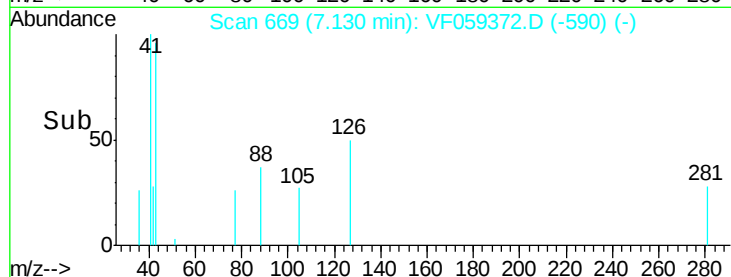
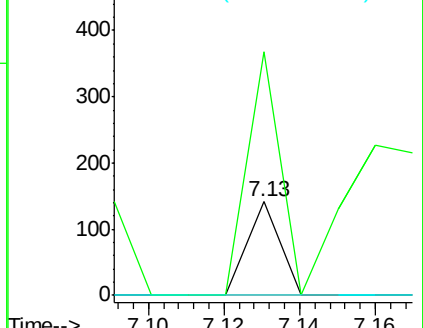
58 0.0 46.6 69.8#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 41.602 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF059372.D

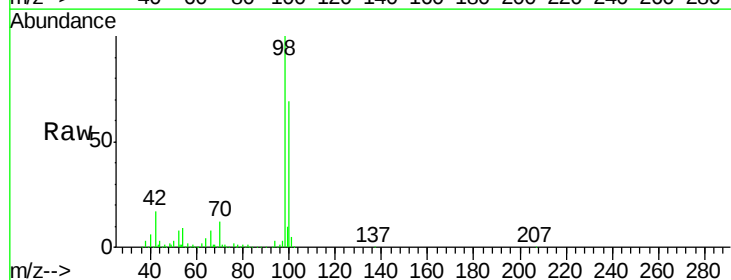
Acq: 28 Jun 2018 20:39

Tgt Ion: 98 Resp: 306929

Ion Ratio Lower Upper

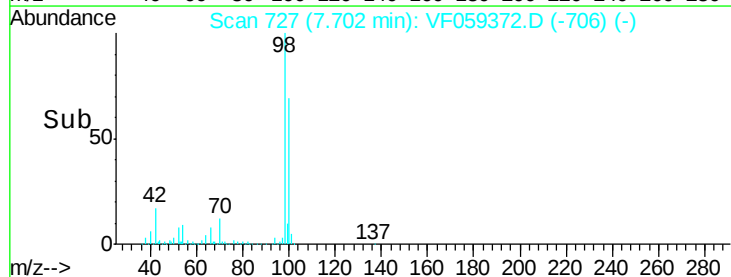
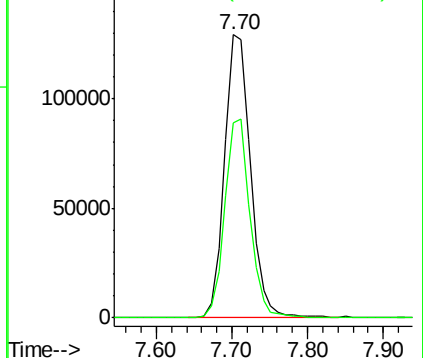
98 100

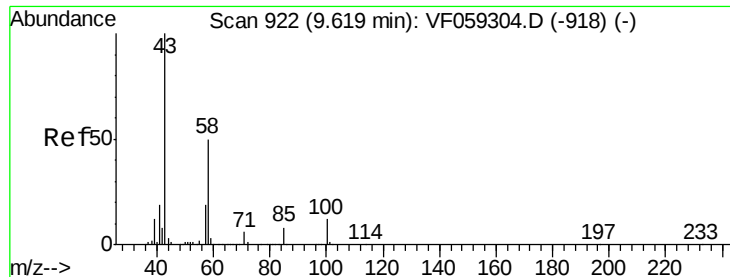
100 68.8 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#59

2-Hexanone

Concen: Below Cal

RT: 9.64 min Scan# 924

Delta R.T. 0.03 min

Lab File: VF059372.D

Acq: 28 Jun 2018 20:39

Instrument :

MSVOA_F

ClientSampleId :

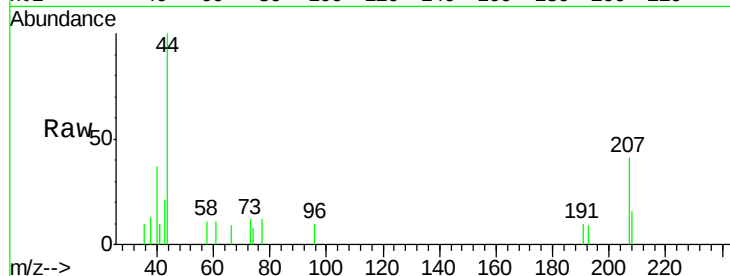
FK-GF-01-009-B

Tot Ion: 43 Resp: 164

Ion Ratio Lower Upper

43 100

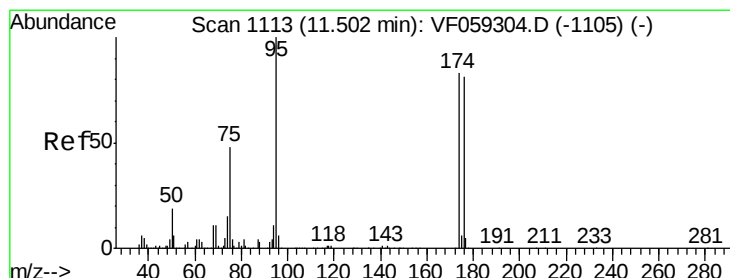
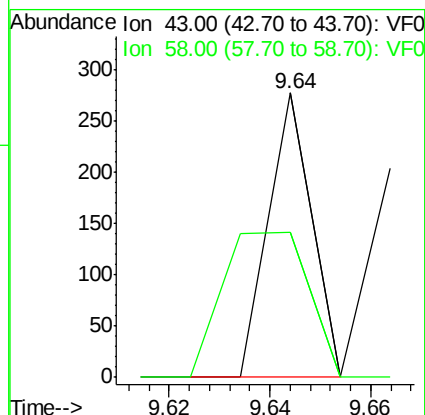
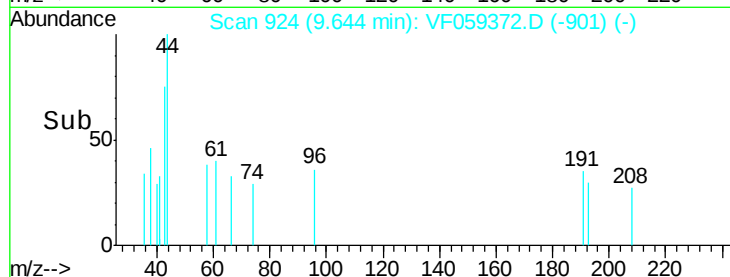
58 50.9 23.3 69.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.087 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059372.D

Acq: 28 Jun 2018 20:39

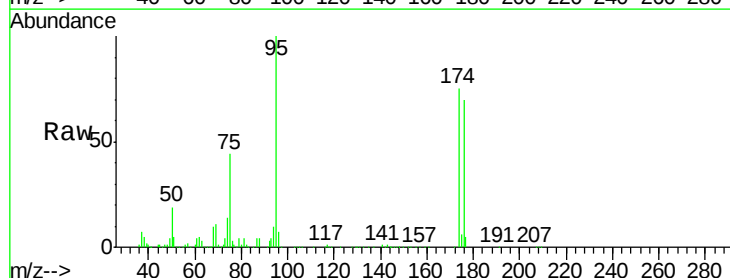
Tgt Ion: 95 Resp: 191804

Ion Ratio Lower Upper

95 100

174 74.6 0.0 165.2

176 70.0 0.0 161.0

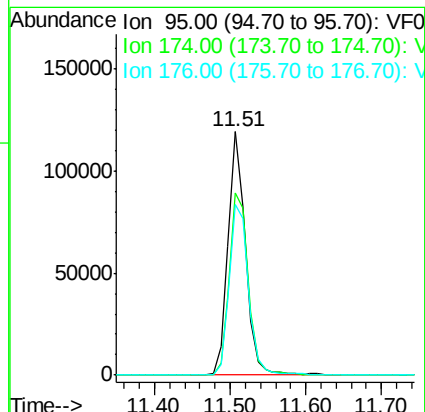
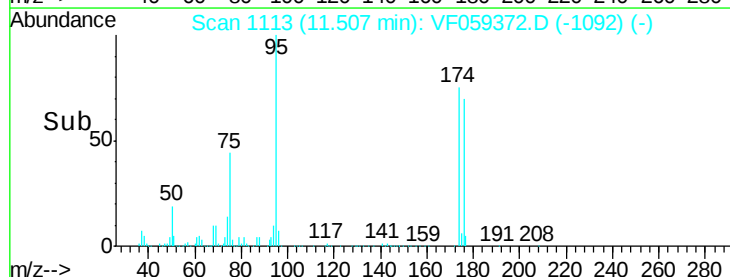


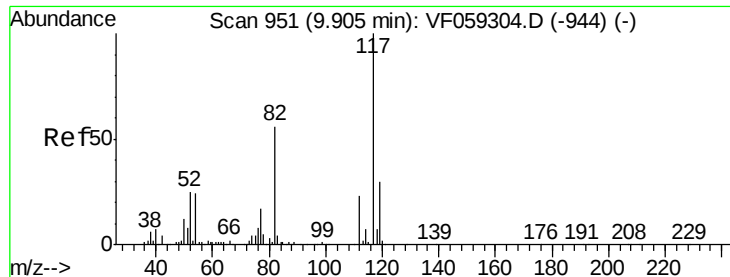
Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

Time-->

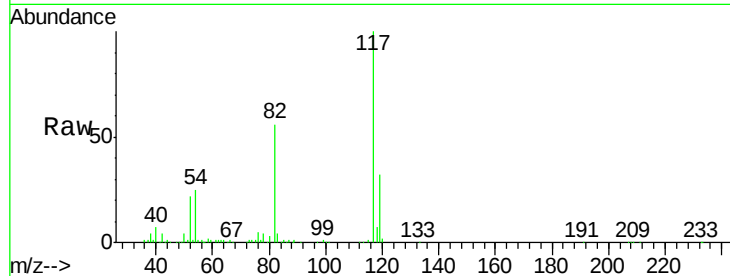




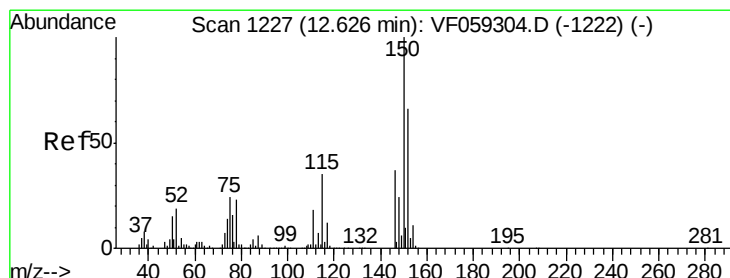
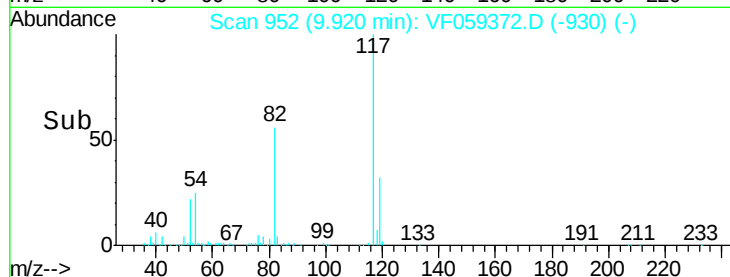
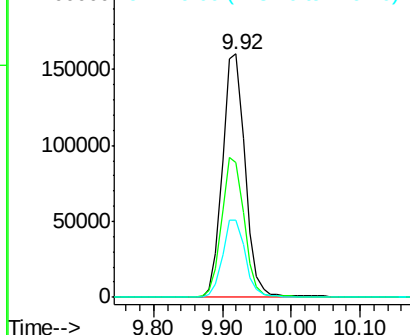
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059372.D
Acq: 28 Jun 2018 20:39

Instrument :
MSVOA_F
ClientSampleId :
FK-GF-01-009-B

Tot Ion:117 Resp: 368125
Ion Ratio Lower Upper
117 100
82 55.6 44.6 66.8
119 31.8 24.1 36.1

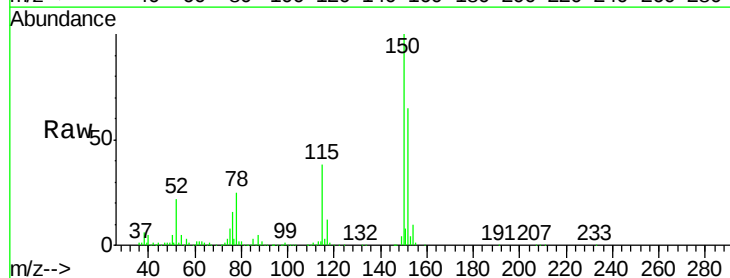


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

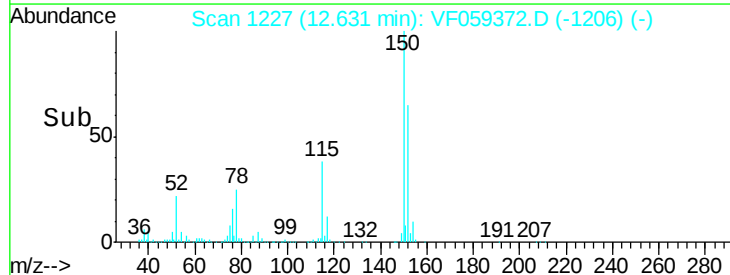
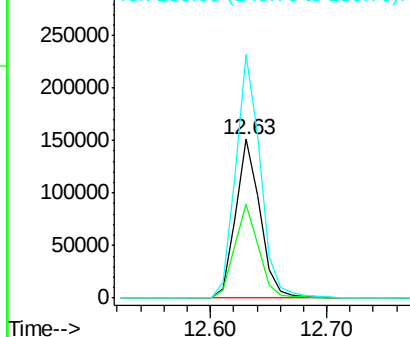


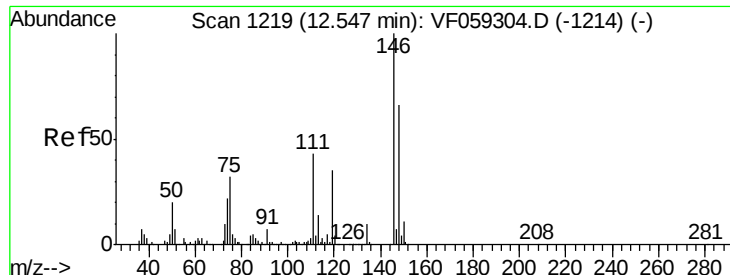
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VF059372.D
Acq: 28 Jun 2018 20:39

Tgt Ion:152 Resp: 220391
Ion Ratio Lower Upper
152 100
115 59.0 27.1 81.3
150 153.2 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





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.56 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059372.D

Acq: 28 Jun 2018 20:39

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-01-009-B

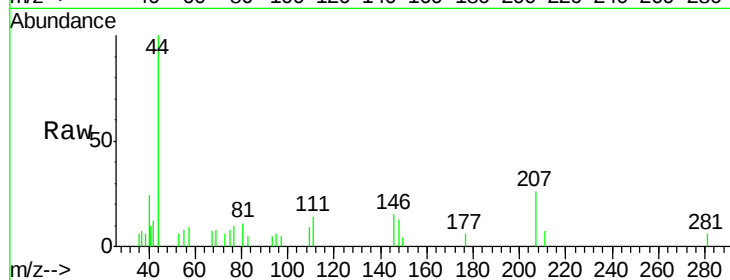
Tot Ion:146 Resp: 429

Ion Ratio Lower Upper

146 100

111 96.0 21.4 64.2#

148 85.2 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

