

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059358.D
 Acq On : 28 Jun 2018 14:09
 Operator : VA/AP
 Sample : J3680-02
 Misc : 8.30g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-01-E6-F6-E6A-F6ARE

Quant Time: Jun 29 03:10:02 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	5.05	168	197941	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	319820	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	319900	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	223435	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	174811	68.36	ug/l	0.02
Spiked Amount			Recovery	=	136.72%	
35) Dibromofluoromethane	4.30	113	156906	67.15	ug/l	0.02
Spiked Amount			Recovery	=	134.30%	
50) Toluene-d8	7.72	98	341141	58.96	ug/l	0.02
Spiked Amount			Recovery	=	117.92%	
62) 4-Bromofluorobenzene	11.51	95	213195	65.32	ug/l	0.00
Spiked Amount			Recovery	=	130.64%	

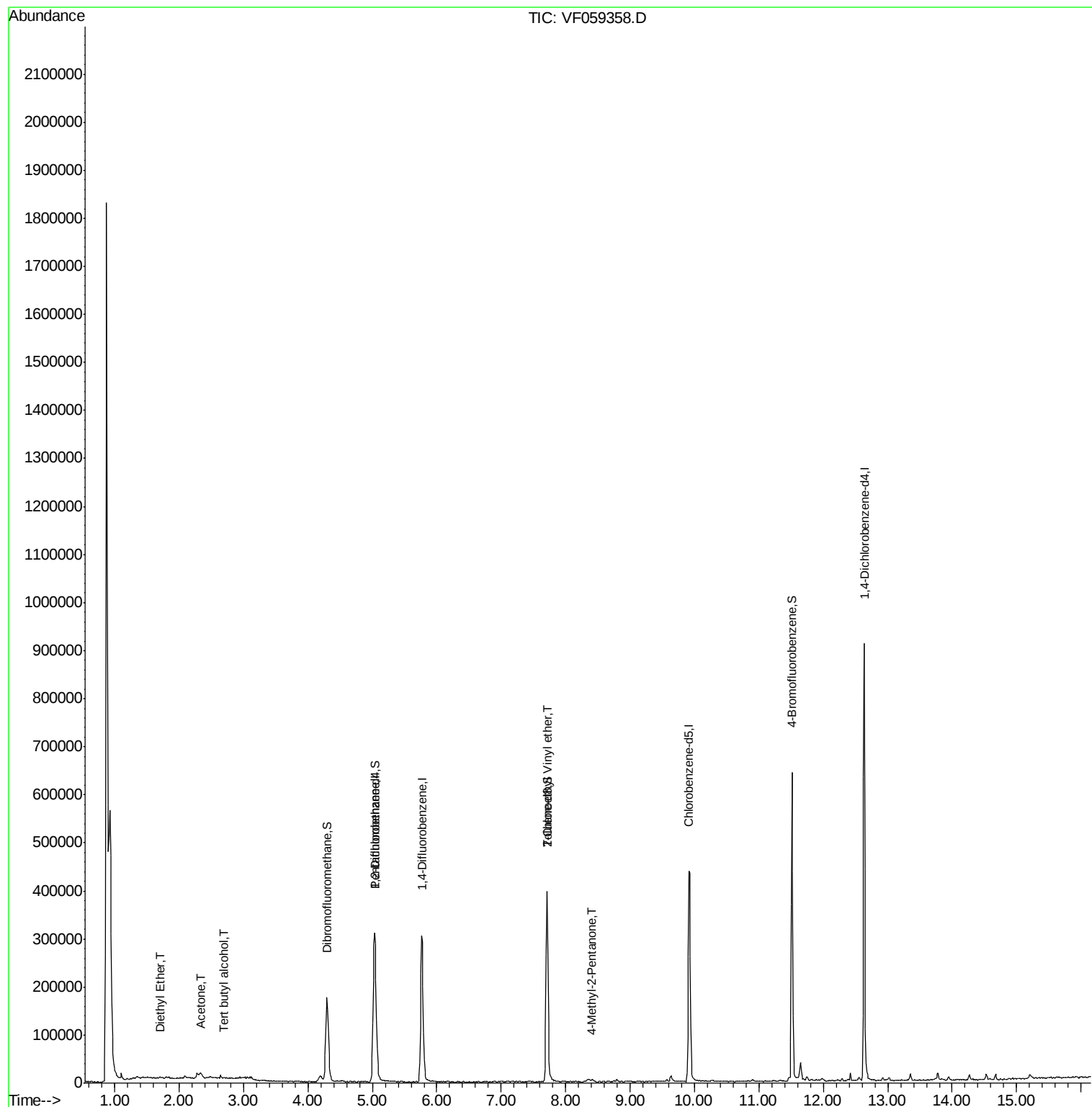
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.27	94	502	Below Cal		93
8) Diethyl Ether	1.71	74	951	1.568	ug/l	55
11) Tert butyl alcohol	2.70	59	1064	6.250	ug/l #	27
13) Acrolein	2.04	56	663	Below Cal		91
16) Acetone	2.33	43	10373	6.299	ug/l #	86
18) Methyl Acetate	2.45	43	1241	Below Cal	#	61
20) Methylene Chloride	2.29	84	7361	Below Cal	#	71
25) 2-Butanone	4.53	43	1507	Below Cal	#	59
28) Bromochloromethane	3.84	49	163	Below Cal	#	6
29) Tetrahydrofuran	4.26	42	542	Below Cal	#	36
37) Ethyl Acetate	4.27	43	635	Below Cal	#	22
49) 1,4-Dioxane	6.89	88	69	Below Cal	#	20
51) 4-Methyl-2-Pentanone	8.42	43	3920	2.274	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.72	63	601	3.594	ug/l	100
59) 2-Hexanone	9.64	43	9582	Below Cal		91
87) 1,3-Dichlorobenzene	12.56	146	1816	Below Cal		87

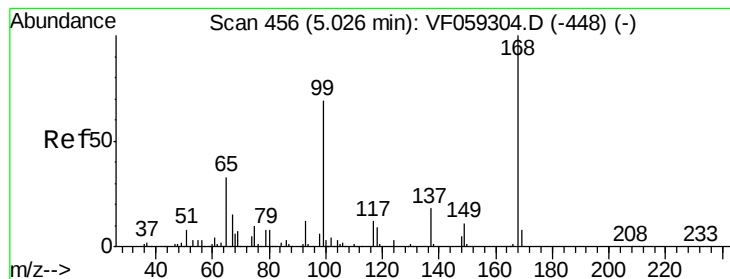
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF059358.D

Acq: 28 Jun 2018 14:09

Instrument :

MSVOA_F

ClientSampleId :

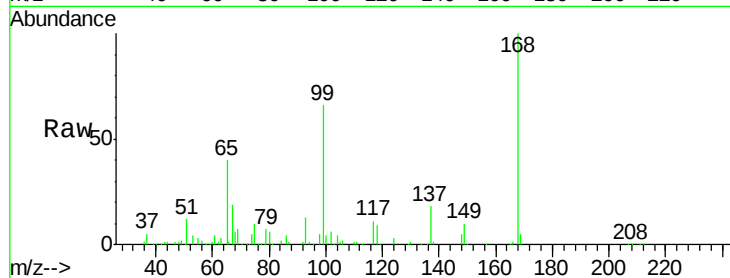
FK-BPM-01-E6-F6-E6A-F6ARE

Tot Ion:168 Resp: 197941

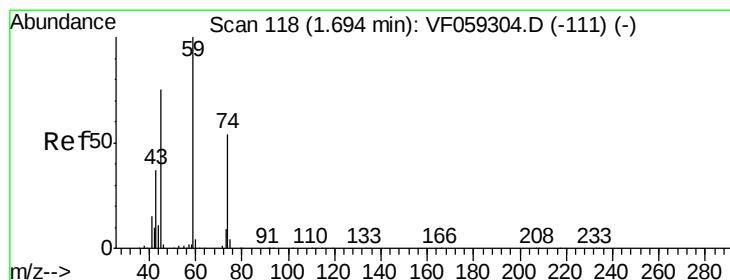
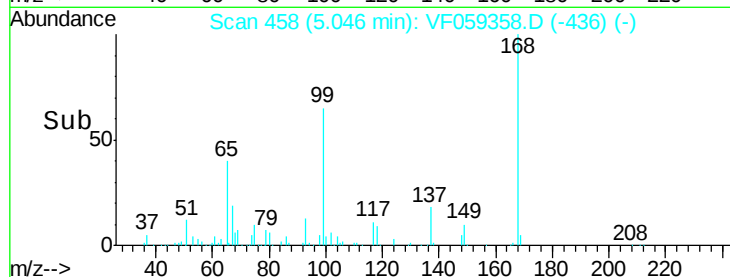
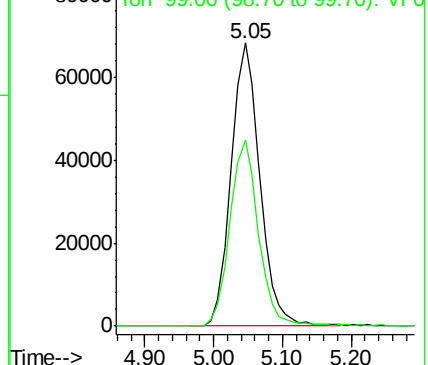
Ion Ratio Lower Upper

168 100

99 65.6 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#8

Diethyl Ether

Concen: 1.568 ug/l

RT: 1.71 min Scan# 120

Delta R.T. 0.02 min

Lab File: VF059358.D

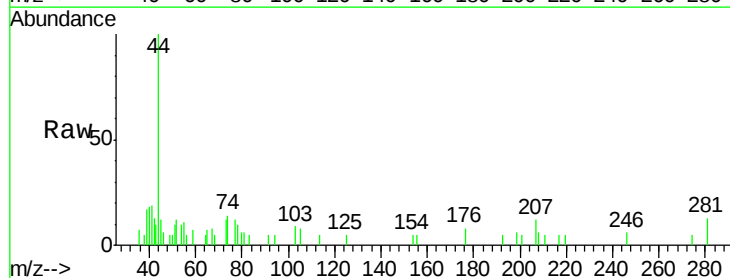
Acq: 28 Jun 2018 14:09

Tgt Ion: 74 Resp: 951

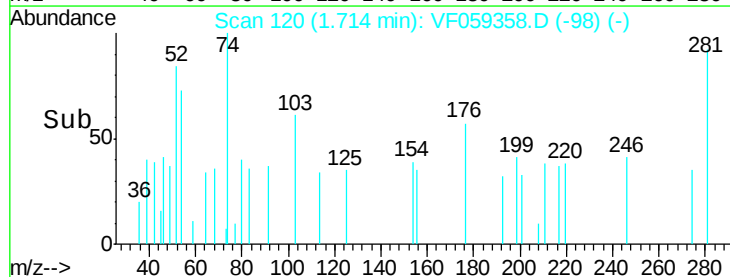
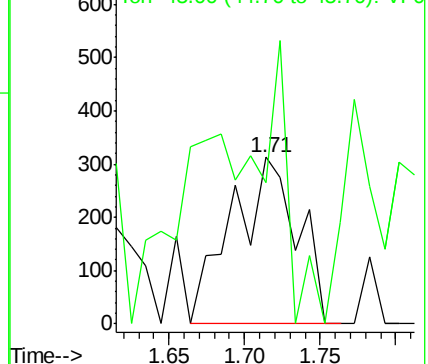
Ion Ratio Lower Upper

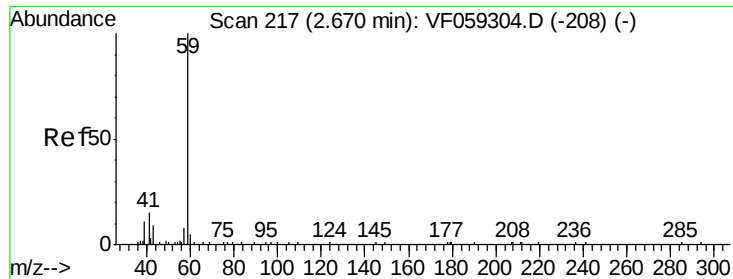
74 100

45 84.7 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0



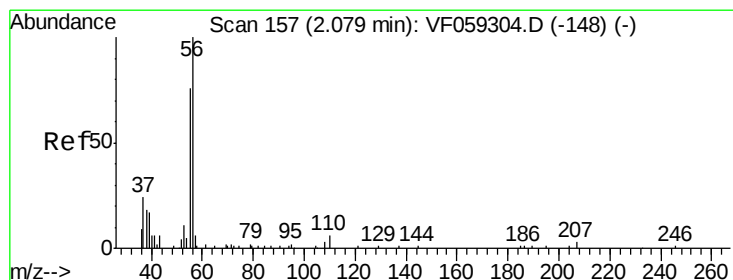
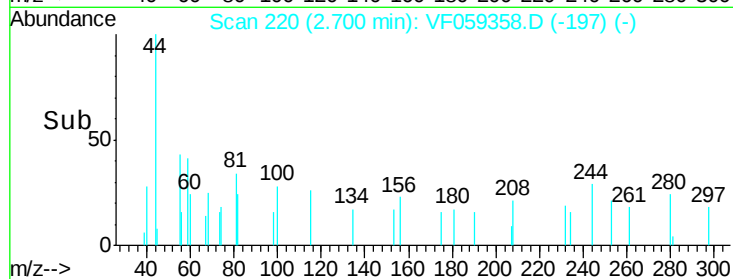
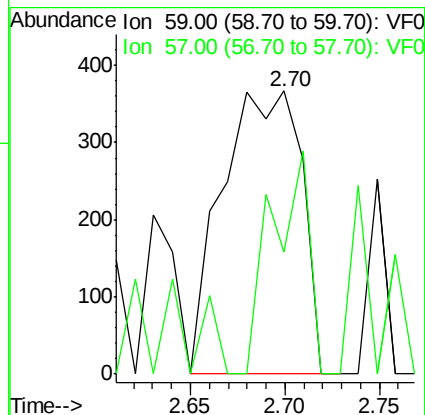
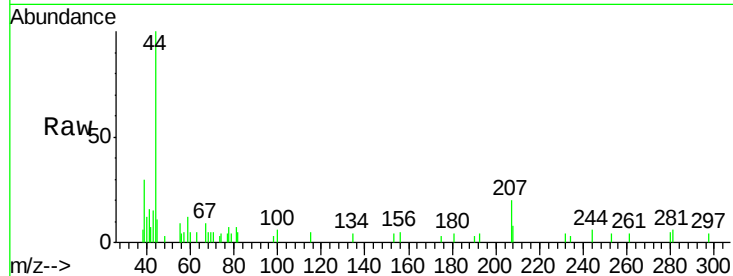


#11

Tert butyl alcohol
Concen: 6.250 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.03 min
Lab File: VF059358.D
Acq: 28 Jun 2018 14:09

Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-01-E6-F6-E6A-F6ARE

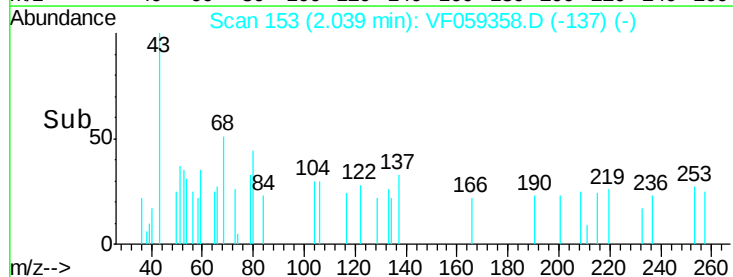
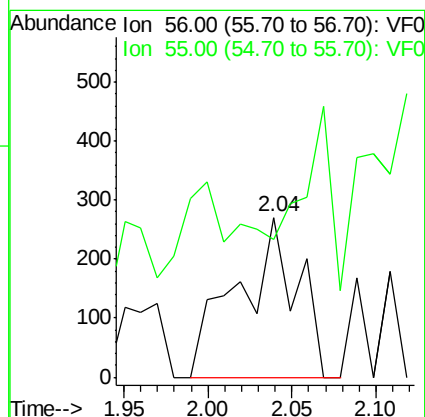
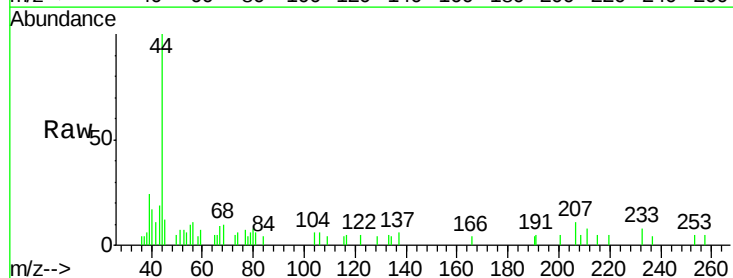
Tot Ion: 59 Resp: 1064
Ion Ratio Lower Upper
59 100
57 43.1 11.0 16.4#

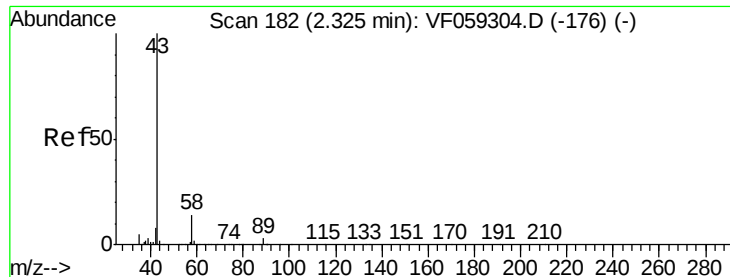


#13

Acrolein
Concen: Below Cal
RT: 2.04 min Scan# 153
Delta R.T. -0.04 min
Lab File: VF059358.D
Acq: 28 Jun 2018 14:09

Tgt Ion: 56 Resp: 663
Ion Ratio Lower Upper
56 100
55 86.0 62.4 93.6





#16

Acetone

Concen: 6.299 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059358.D

Acq: 28 Jun 2018 14:09

Instrument :

MSVOA_F

ClientSampleId :

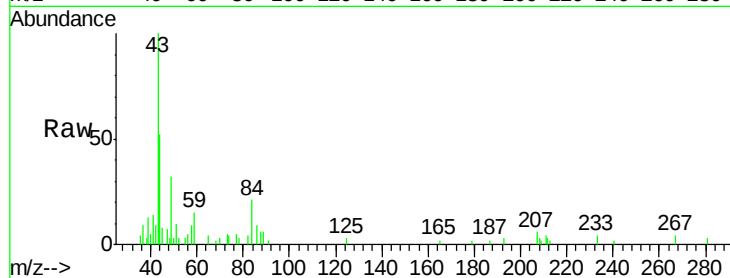
FK-BPM-01-E6-F6-E6A-F6ARE

Tot Ion: 43 Resp: 10373

Ion Ratio Lower Upper

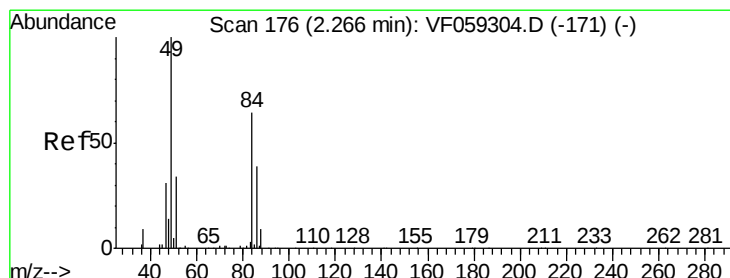
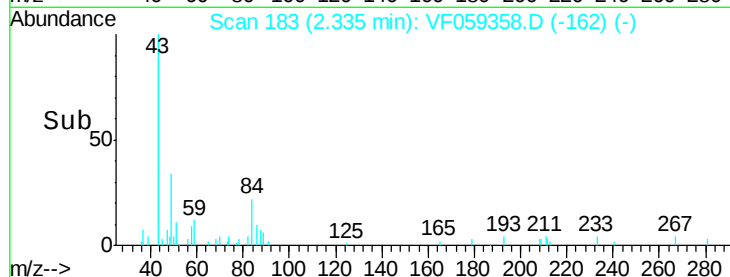
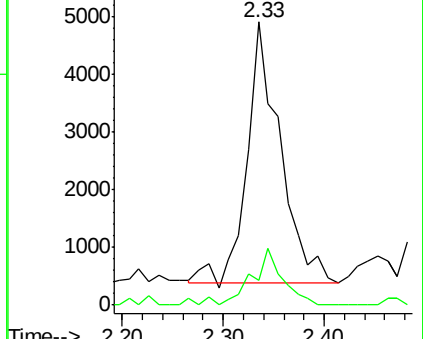
43 100

58 8.7 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.29 min Scan# 178

Delta R.T. 0.02 min

Lab File: VF059358.D

Acq: 28 Jun 2018 14:09

Tgt Ion: 84 Resp: 7361

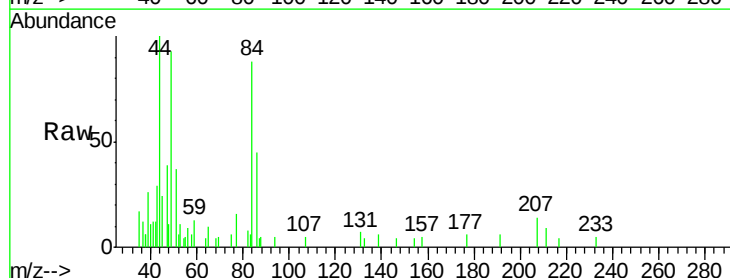
Ion Ratio Lower Upper

84 100

49 106.4 126.5 189.7#

51 42.1 42.9 64.3#

86 51.6 48.6 73.0

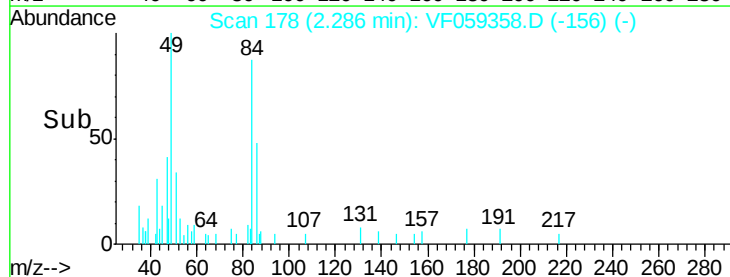
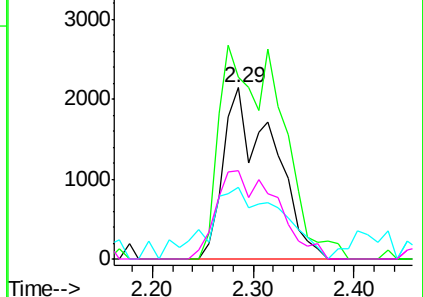


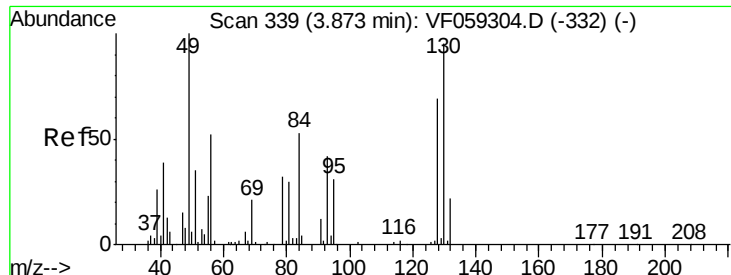
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#28

Bromochloromethane

Concen: Below Cal

RT: 3.84 min Scan# 336

Delta R.T. -0.03 min

Lab File: VF059358.D

Acq: 28 Jun 2018 14:09

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-01-E6-F6-E6A-F6ARE

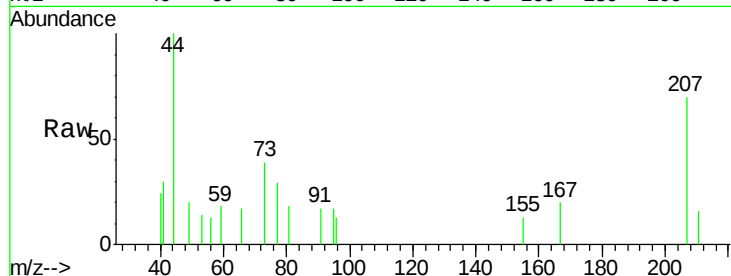
Tot Ion: 49 Resp: 163

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

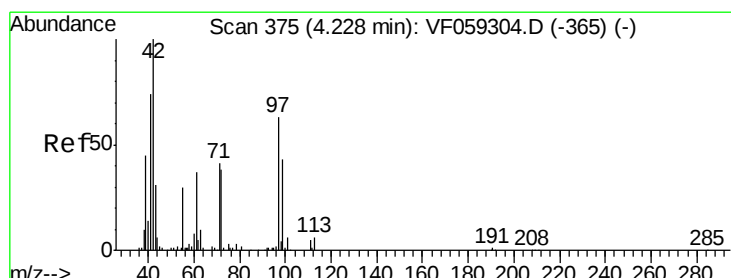
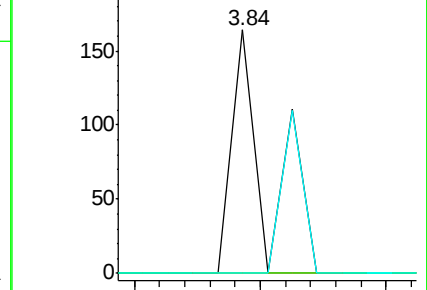
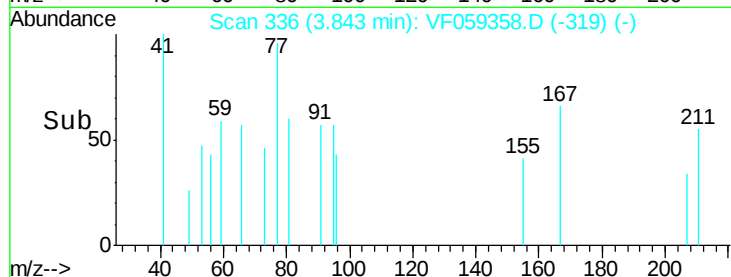
130 0.0 75.1 112.7#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.26 min Scan# 378

Delta R.T. 0.03 min

Lab File: VF059358.D

Acq: 28 Jun 2018 14:09

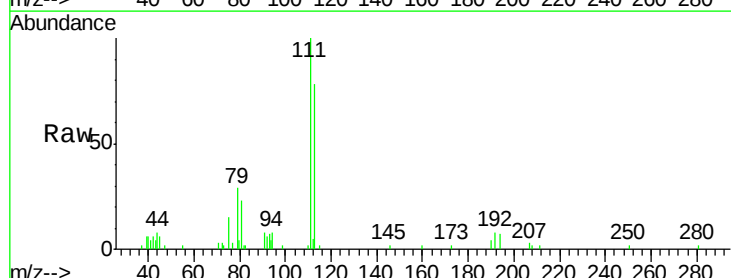
Tgt Ion: 42 Resp: 542

Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

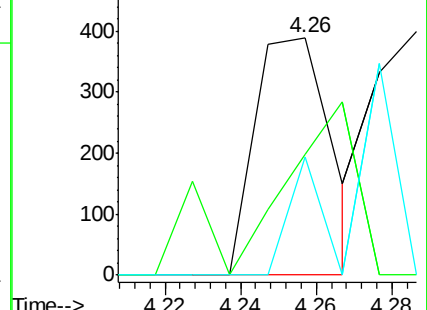
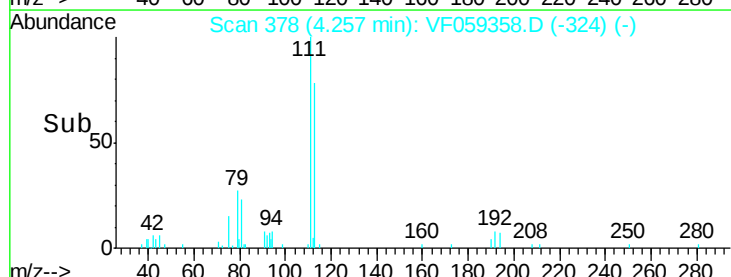
71 0.0 32.5 48.7#

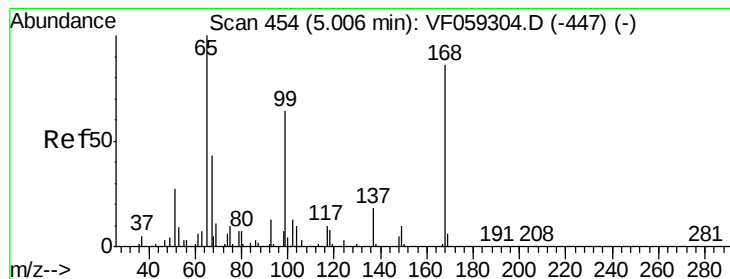


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 68.356 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.02 min

Lab File: VF059358.D

Acq: 28 Jun 2018 14:09

Instrument :

MSVOA_F

ClientSampleId :

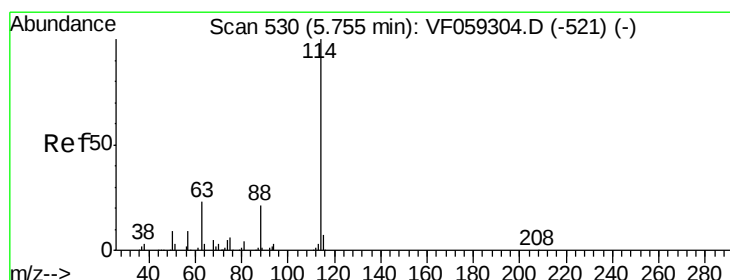
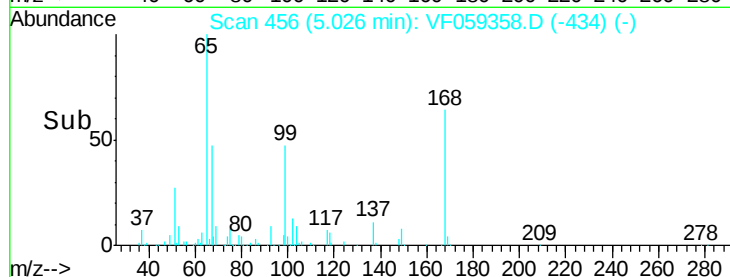
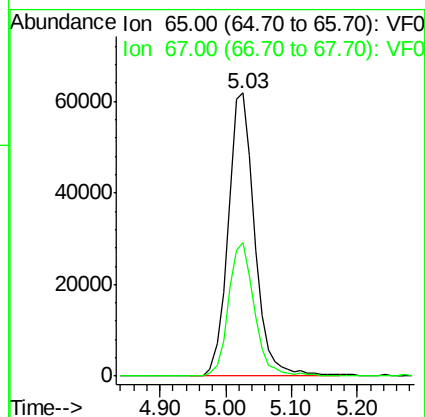
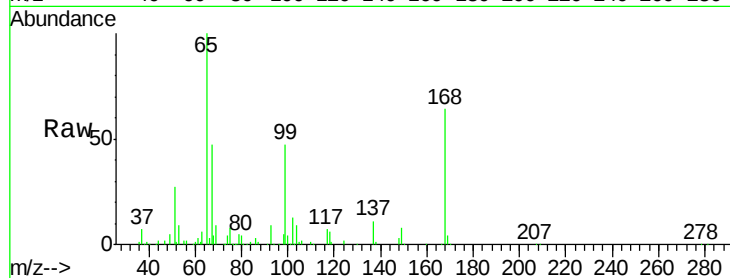
FK-BPM-01-E6-F6-E6A-F6ARE

Tot Ion: 65 Resp: 174811

Ion Ratio Lower Upper

65 100

67 47.3 0.0 96.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.02 min

Lab File: VF059358.D

Acq: 28 Jun 2018 14:09

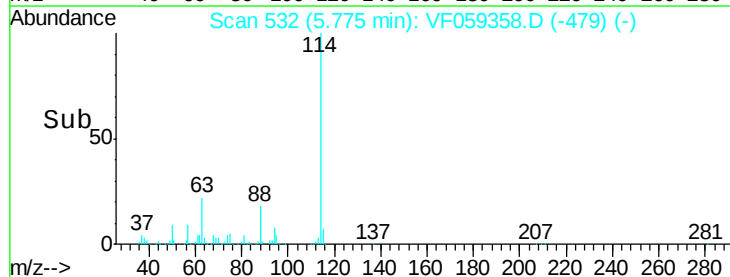
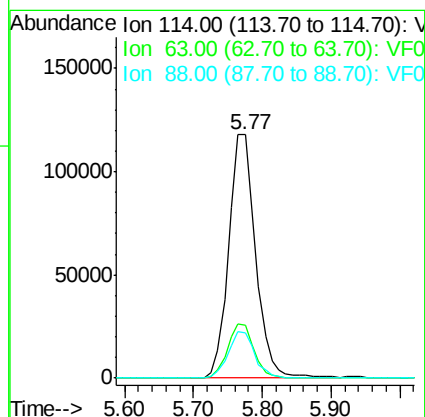
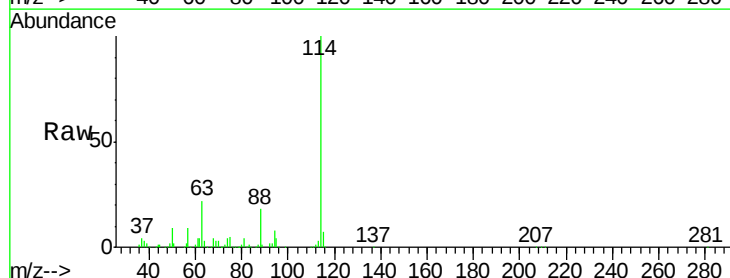
Tgt Ion: 114 Resp: 319820

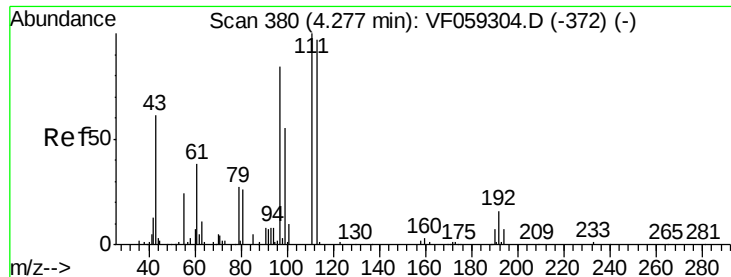
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.8

88 18.4 0.0 41.2

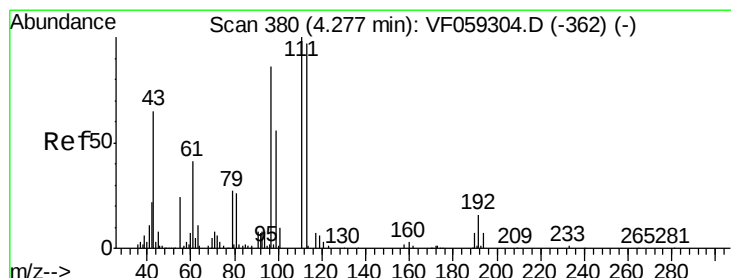
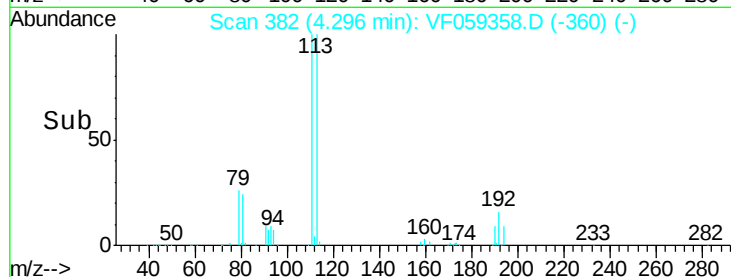
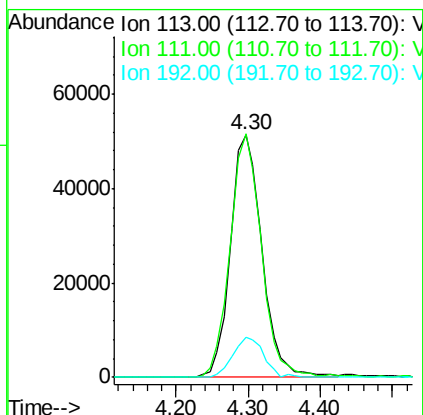
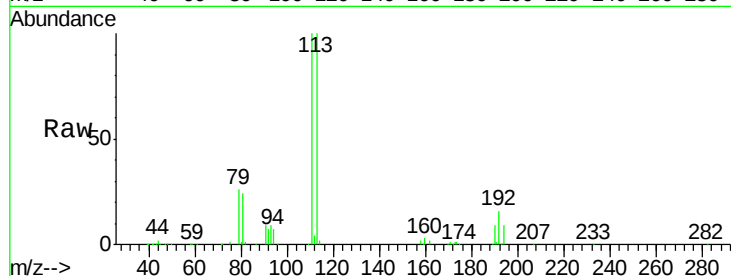




#35
 Dibromofluoromethane
 Concen: 67.145 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.02 min
 Lab File: VF059358.D
 Acq: 28 Jun 2018 14:09

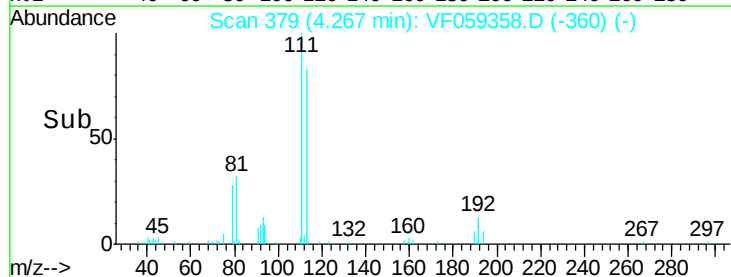
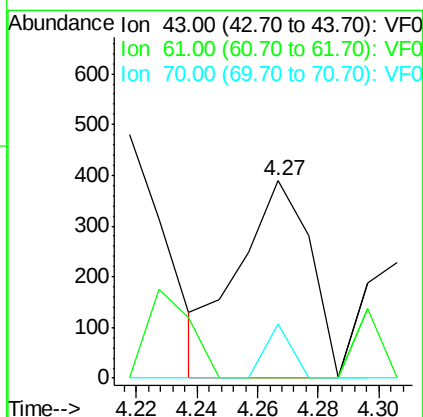
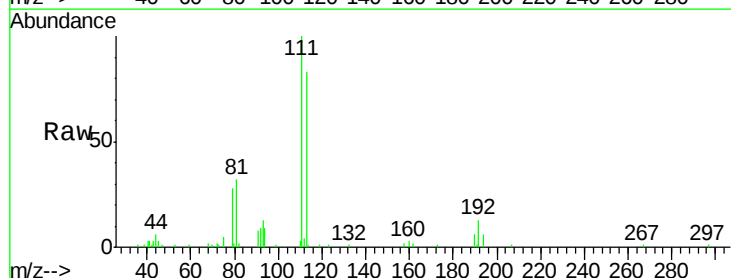
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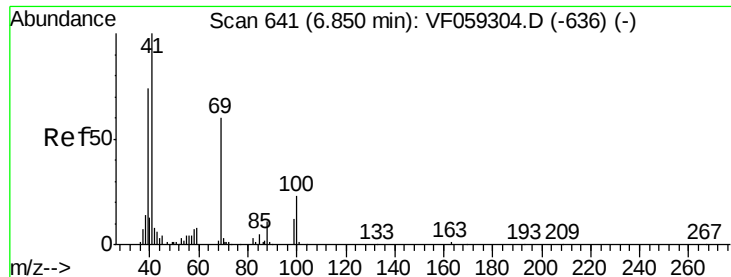
Tot Ion:113 Resp: 156906
 Ion Ratio Lower Upper
 113 100
 111 100.3 82.1 123.1
 192 16.3 13.0 19.6



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.27 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059358.D
 Acq: 28 Jun 2018 14:09

Tgt Ion: 43 Resp: 635
 Ion Ratio Lower Upper
 43 100
 61 0.0 50.1 75.1#
 70 27.5 6.2 9.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.89 min Scan# 645

Delta R.T. 0.04 min

Lab File: VF059358.D

Acq: 28 Jun 2018 14:09

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-01-E6-F6-E6A-F6ARE

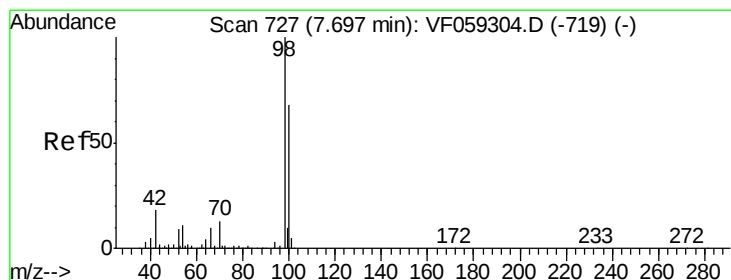
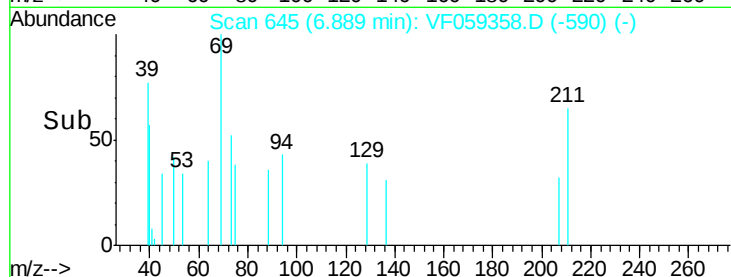
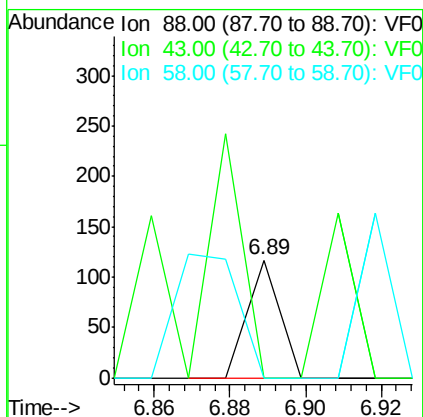
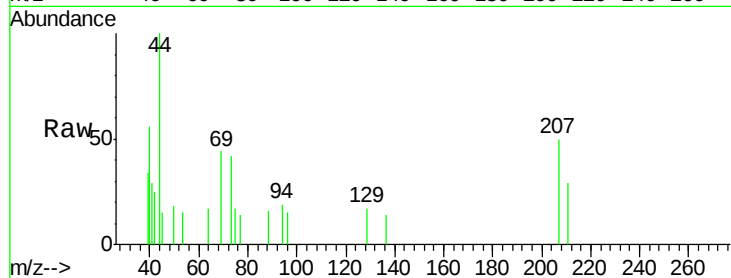
Tot Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 0.0 50.6 75.8#

58 0.0 46.6 69.8#



#50

Toluene-d8

Concen: 58.962 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF059358.D

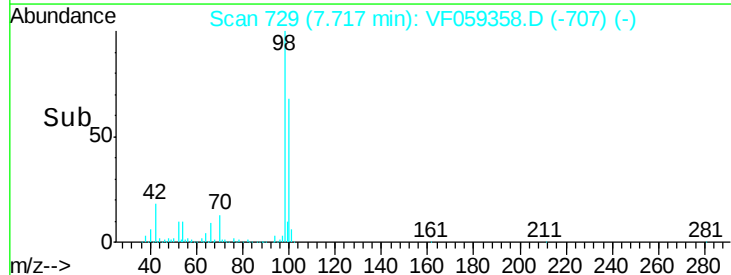
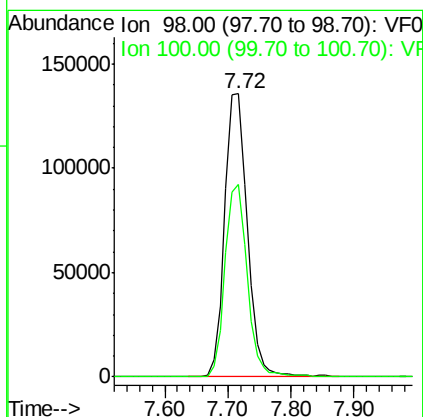
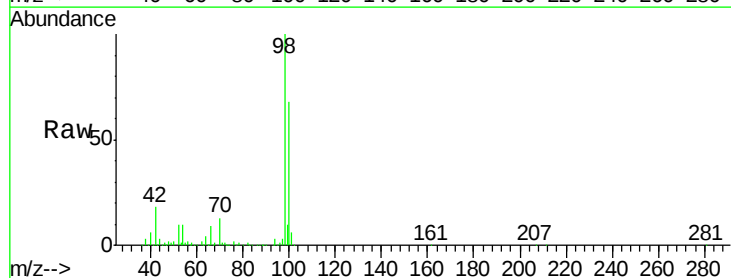
Acq: 28 Jun 2018 14:09

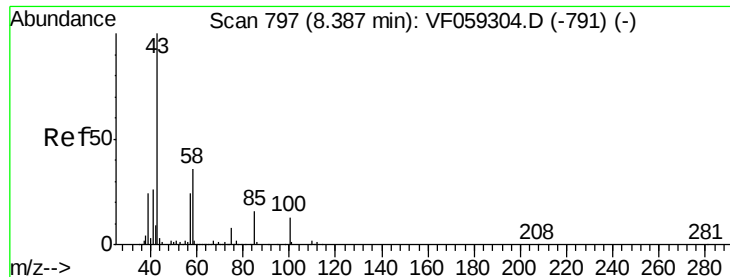
Tgt Ion: 98 Resp: 341141

Ion Ratio Lower Upper

98 100

100 68.2 54.6 82.0





#51

4-Methyl-2-Pentanone

Concen: 2.274 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.03 min

Lab File: VF059358.D

Acq: 28 Jun 2018 14:09

Instrument :

MSVOA_F

ClientSampleId :

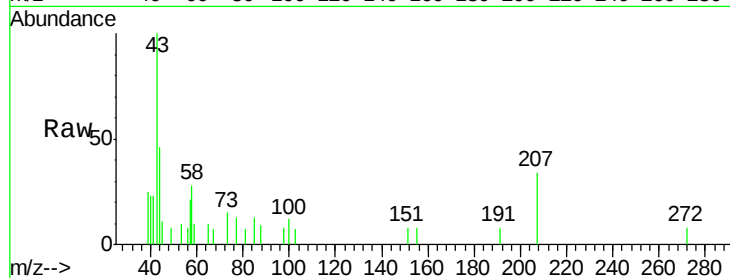
FK-BPM-01-E6-F6-E6A-F6ARE

Tot Ion: 43 Resp: 3920

Ion Ratio Lower Upper

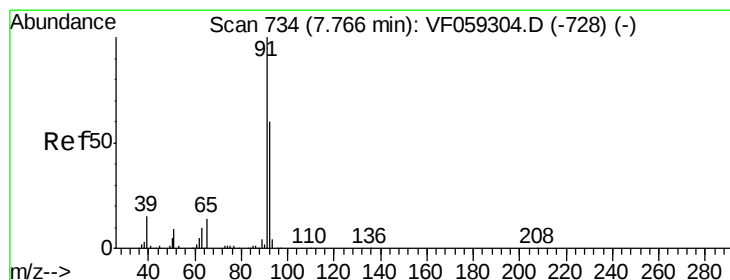
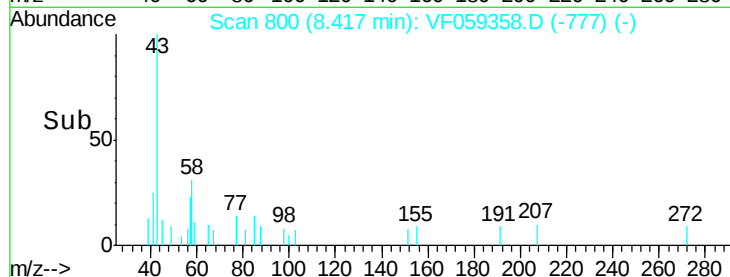
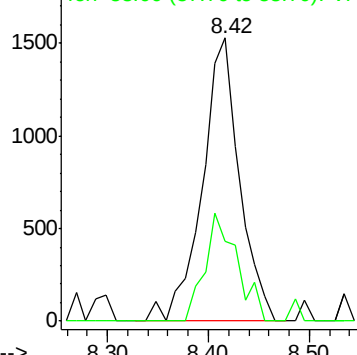
43 100

58 28.3 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 3.594 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.05 min

Lab File: VF059358.D

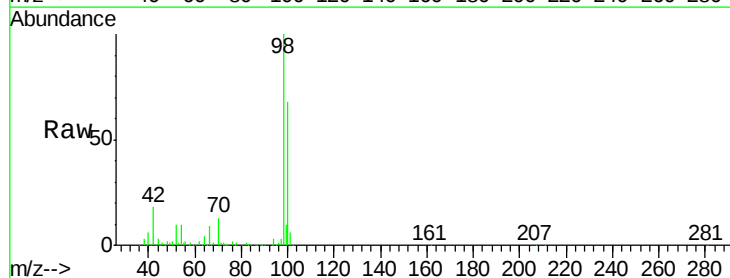
Acq: 28 Jun 2018 14:09

Tgt Ion: 63 Resp: 601

Ion Ratio Lower Upper

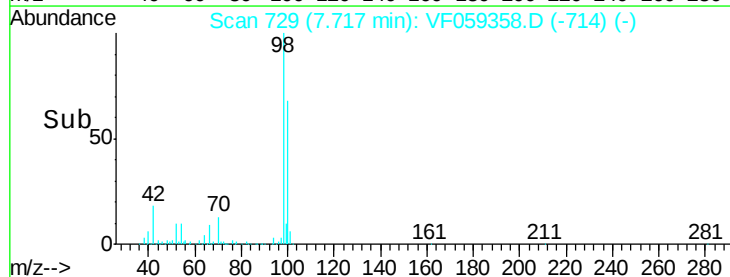
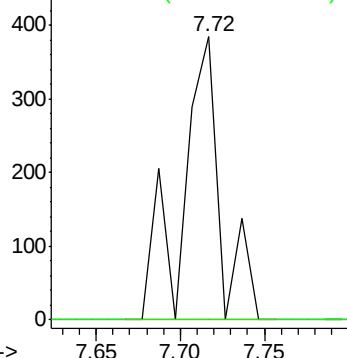
63 100

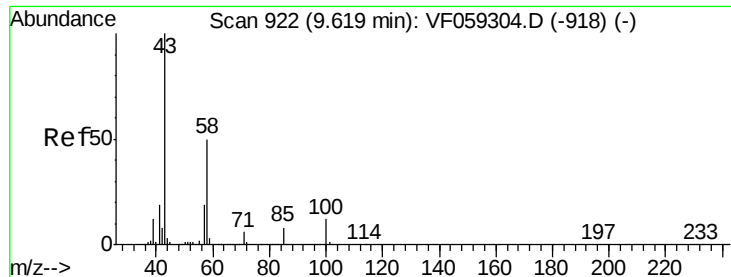
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

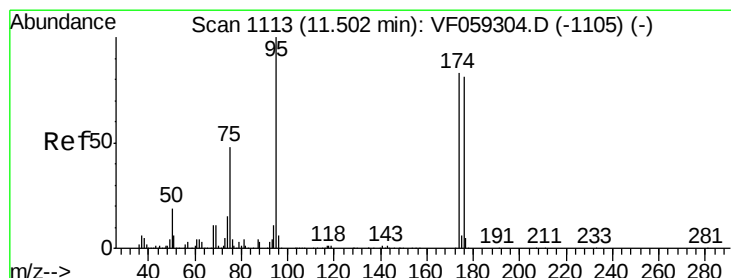
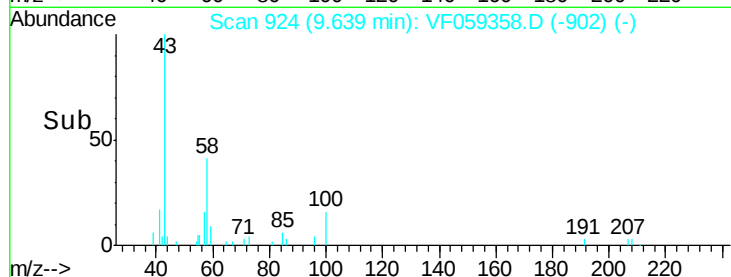
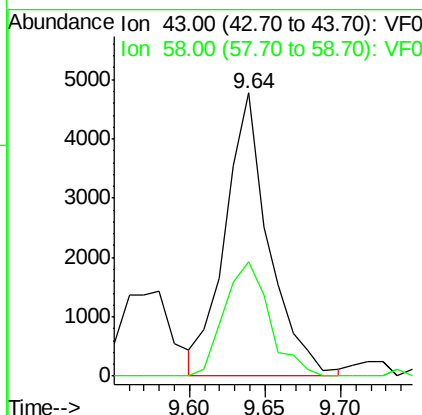
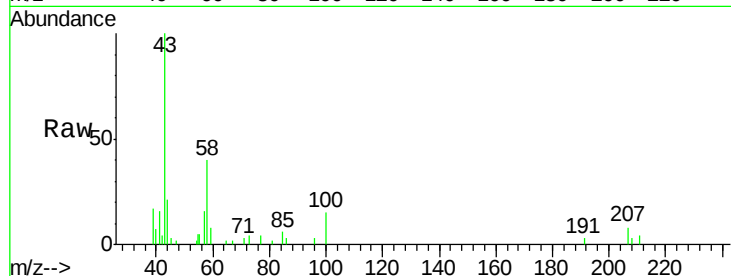




#59
2-Hexanone
Concen: Below Cal
RT: 9.64 min Scan# 924
Delta R.T. 0.02 min
Lab File: VF059358.D
Acq: 28 Jun 2018 14:09

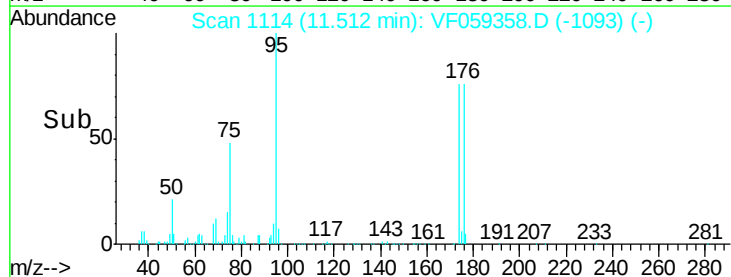
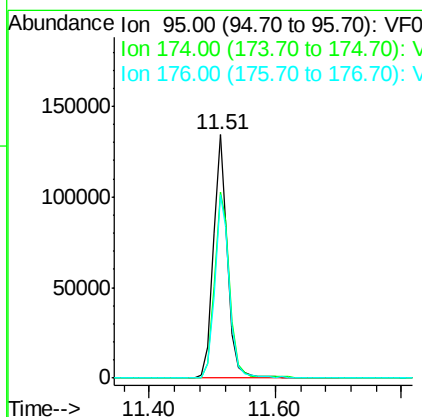
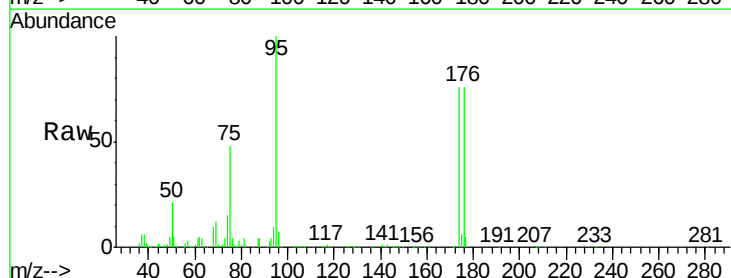
Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-01-E6-F6-E6A-F6ARE

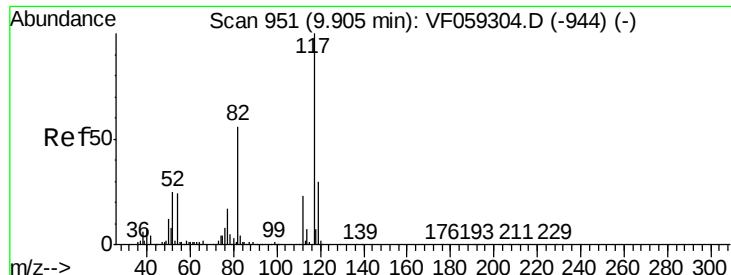
Tot Ion: 43 Resp: 9582
Ion Ratio Lower Upper
43 100
58 40.4 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 65.323 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VF059358.D
Acq: 28 Jun 2018 14:09

Tgt Ion: 95 Resp: 213195
Ion Ratio Lower Upper
95 100
174 76.3 0.0 165.2
176 75.6 0.0 161.0

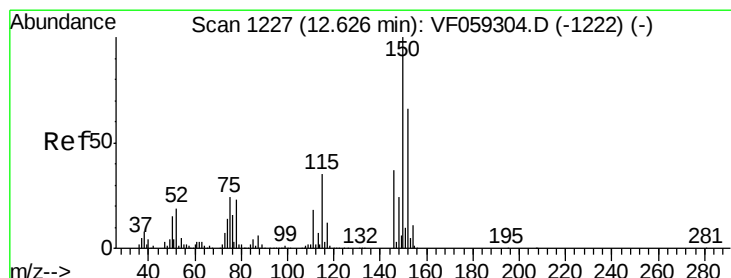
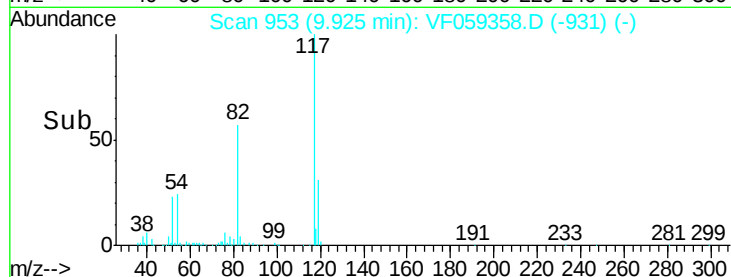
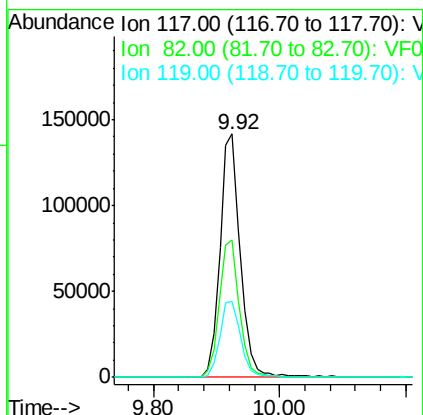
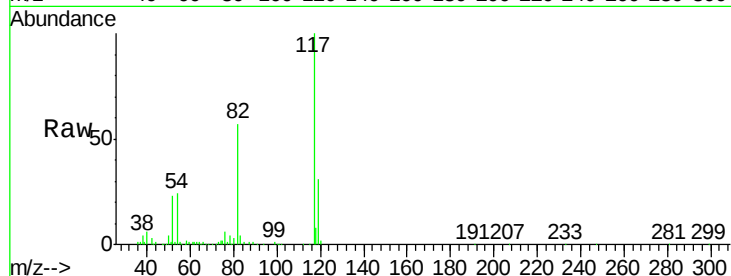




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.02 min
Lab File: VF059358.D
Acq: 28 Jun 2018 14:09

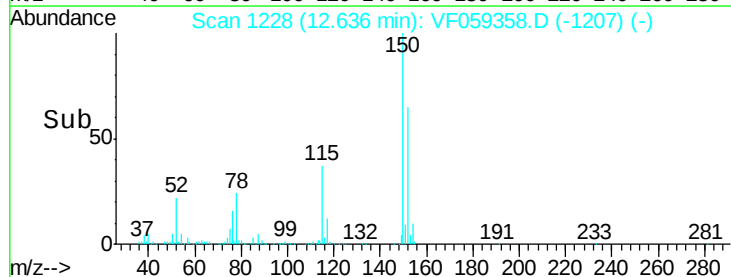
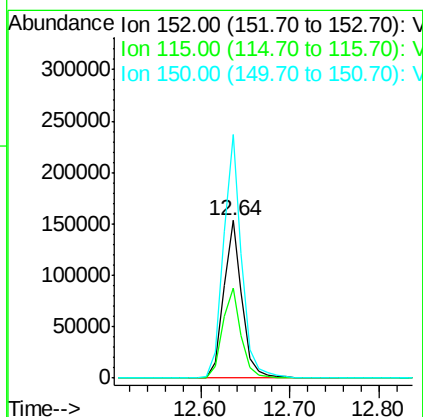
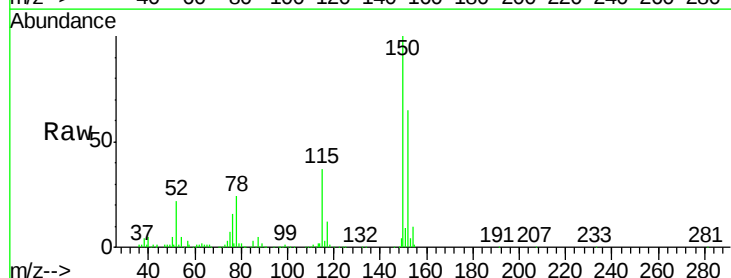
Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-01-E6-F6-E6A-F6ARE

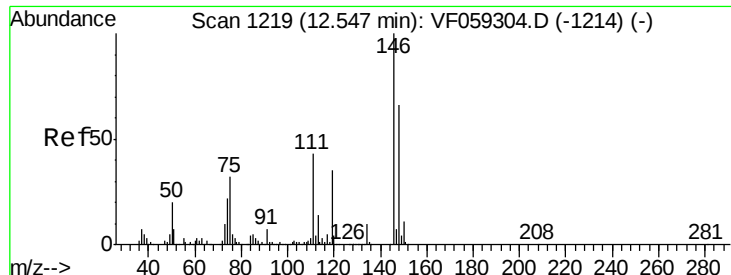
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.6	66.8
119	31.2	24.1	36.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VF059358.D
Acq: 28 Jun 2018 14:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	27.1	81.3
150	154.7	0.0	305.2





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.56 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059358.D

Acq: 28 Jun 2018 14:09

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-01-E6-F6-E6A-F6ARE

Tot Ion:146 Resp: 1816

Ion Ratio Lower Upper

146 100

111 50.0 21.4 64.2

148 76.6 32.8 98.4

