

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062017.D
 Acq On : 19 Mar 2019 14:45
 Operator : VA/AP
 Sample : K1951-02RE
 Misc : 5.76g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-03-006-ARE

Quant Time: Mar 20 05:20:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-4.87
34) 1,4-Difluorobenzene	5.58	114	232	50.00	ug/l	-0.02
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.77
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount				50.000		
Recovery						0.00%
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount				50.000		
Recovery						0.00%
50) Toluene-d8	7.55	98	393	86.29	ug/l	0.00
Spiked Amount				50.000		
Recovery						172.58%
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount				50.000		
Recovery						0.00%

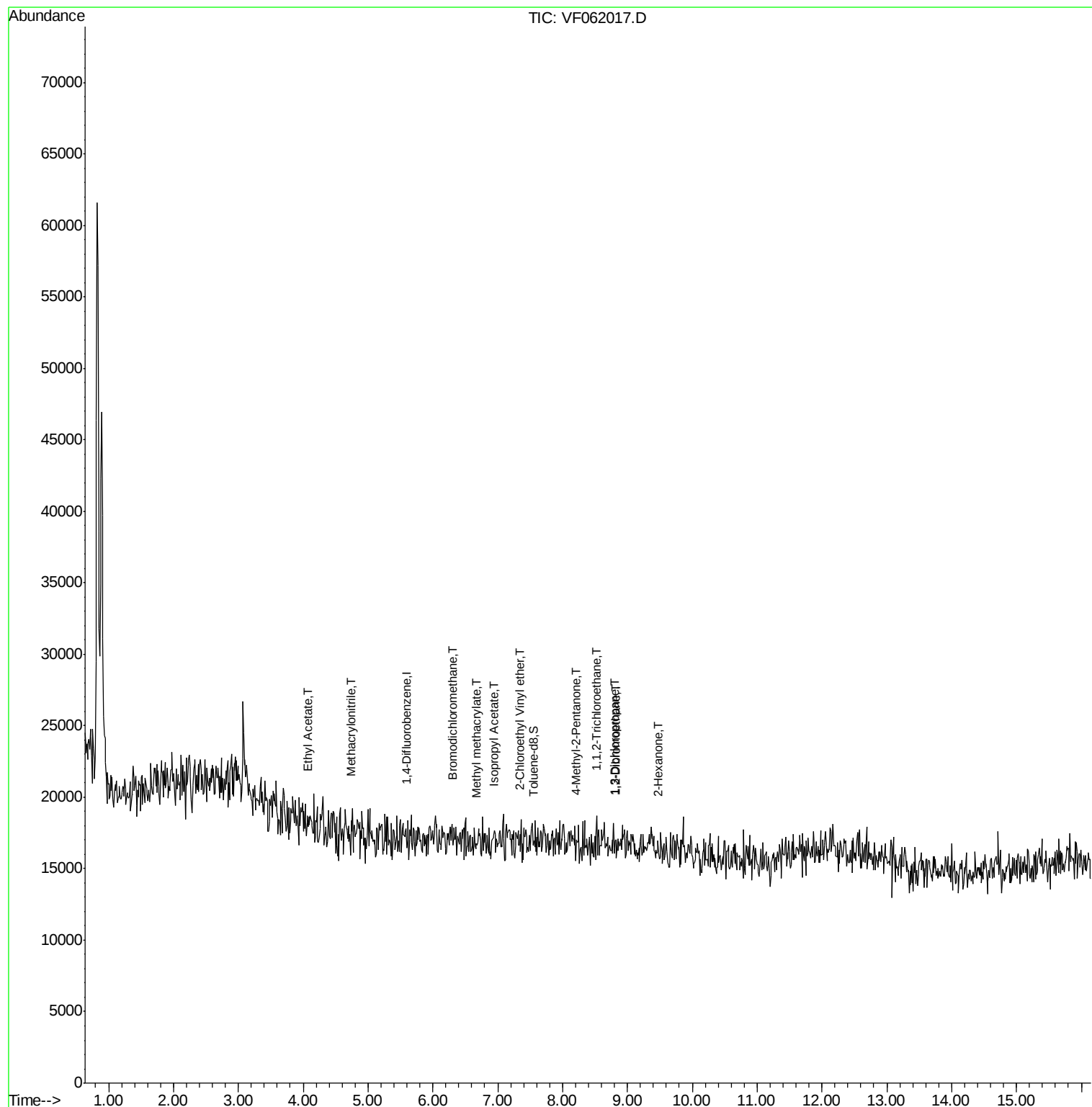
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) Ethyl Acetate	4.08	43	524	557.027	ug/l #	19
41) Methacrylonitrile	4.73	41	70	139.276	ug/l #	22
43) Isopropyl Acetate	6.94	43	156	140.161	ug/l #	38
47) Bromodichloromethane	6.29	83	66	35.820	ug/l #	25
48) Methyl methacrylate	6.66	41	286	397.592	ug/l #	20
51) 4-Methyl-2-Pentanone	8.22	43	179	226.479	ug/l #	36
55) 1,1,2-Trichloroethane	8.54	97	78	82.393	ug/l #	14
57) 1,3-Dichloropropane	8.80	76	73	46.227	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.33	63	73	374.510	ug/l #	49
59) 2-Hexanone	9.46	43	72	125.877	ug/l #	23
61) 1,2-Dibromoethane	8.81	107	79	77.797	ug/l #	4

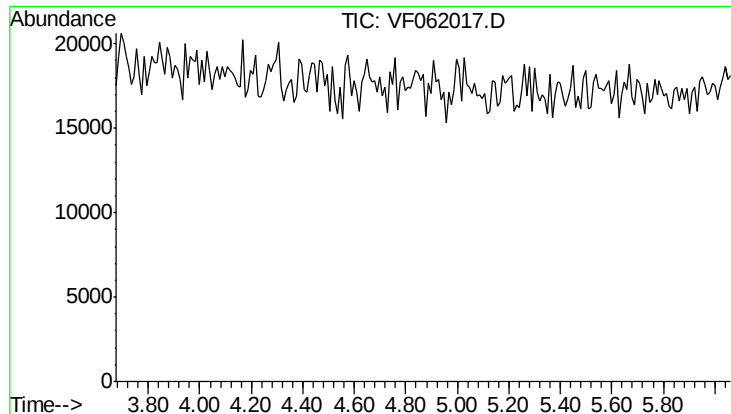
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
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QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.87 min

Lab File: VF062017.D

Acq: 19 Mar 2019 14:45

Tot Ion: 168

Sig Exp Ratio

168 100

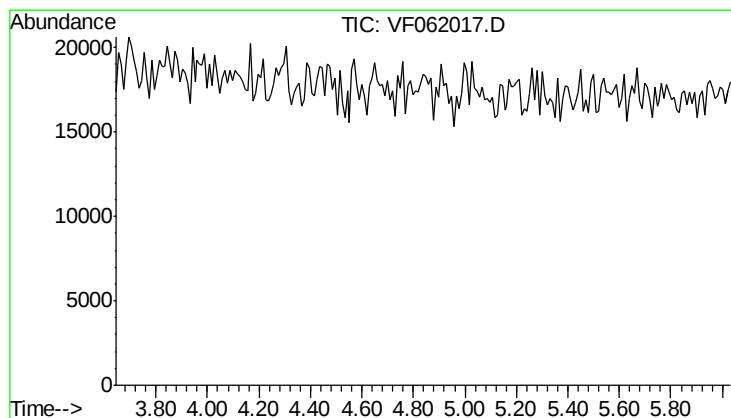
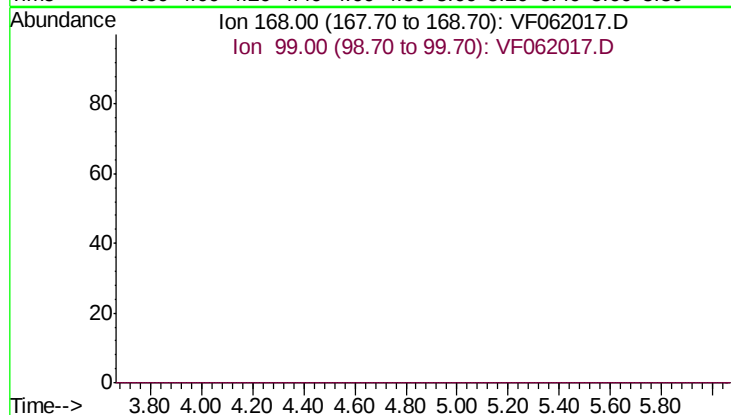
99 53.0

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-03-006-ARE



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 4.84 min

Lab File: VF062017.D

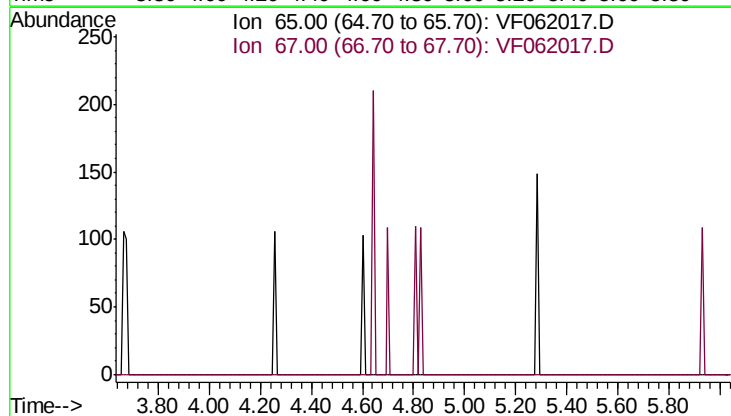
Acq: 19 Mar 2019 14:45

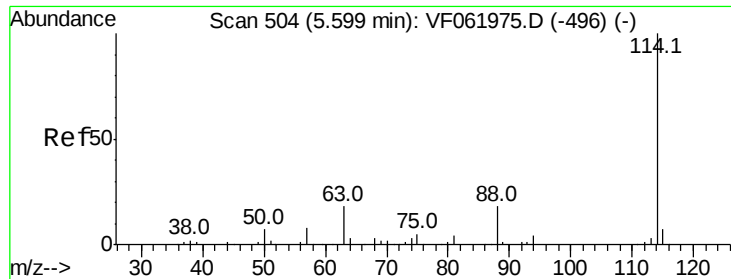
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.7

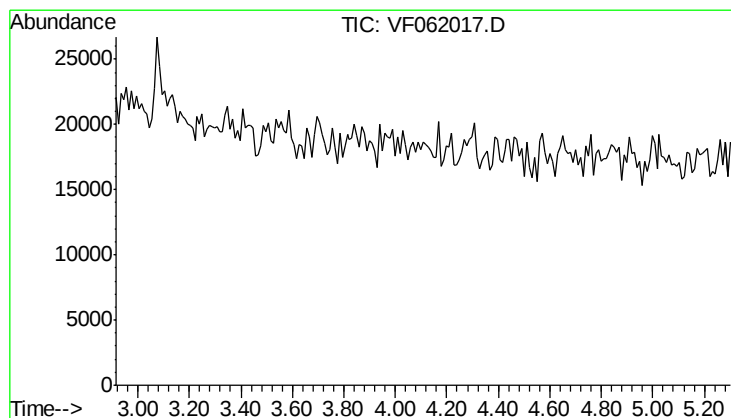
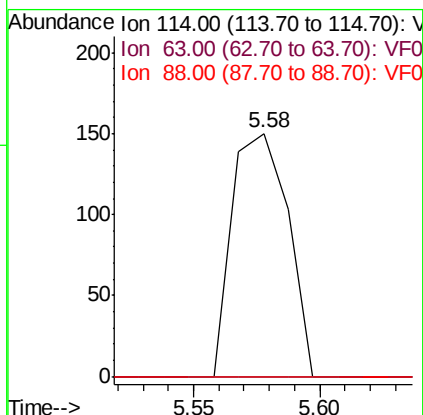
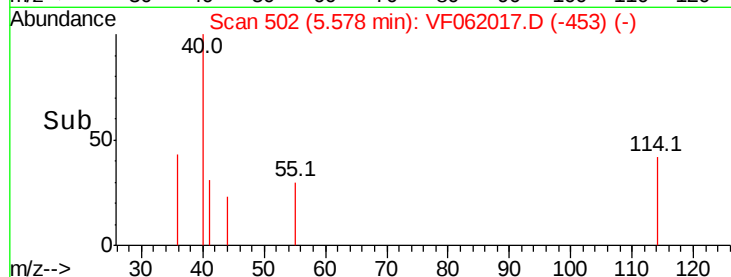
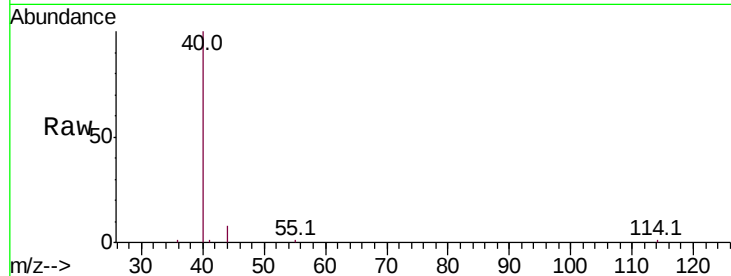




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF062017.D
 Acq: 19 Mar 2019 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-03-006-ARE

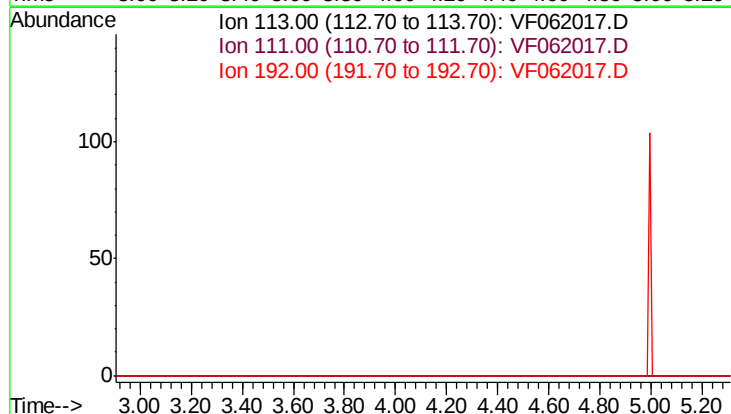
Tot Ion:114 Resp: 232
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 36.4
 88 0.0 0.0 36.4

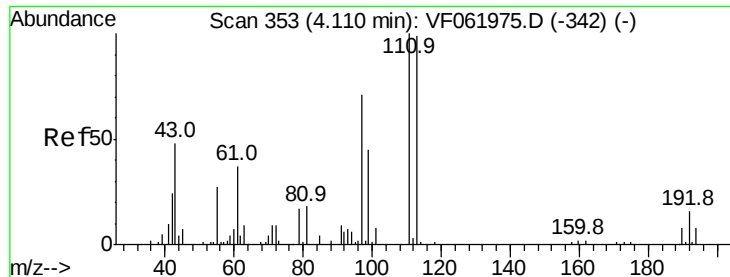


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.11 min

Lab File: VF062017.D
 Acq: 19 Mar 2019 14:45

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 101.0
 192 16.3





#37

Ethyl Acetate

Concen: 557.027 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF062017.D

Acq: 19 Mar 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-03-006-ARE

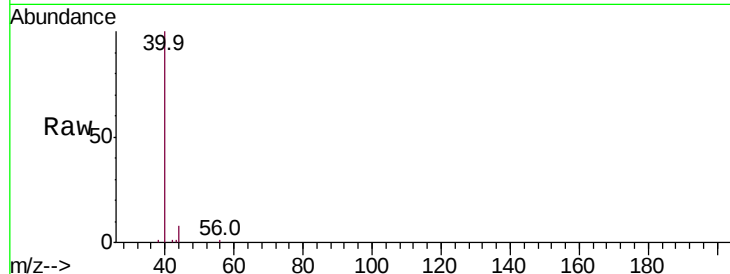
Tot Ion: 43 Resp: 524

Ion Ratio Lower Upper

43 100

61 0.0 59.8 89.6#

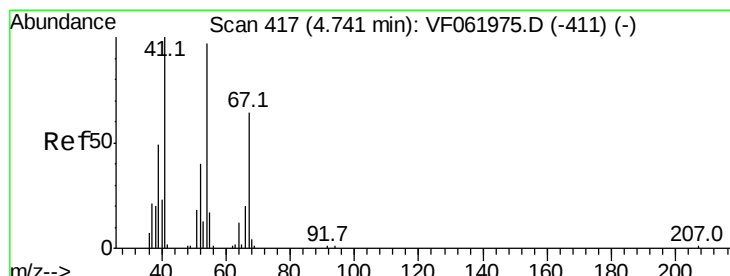
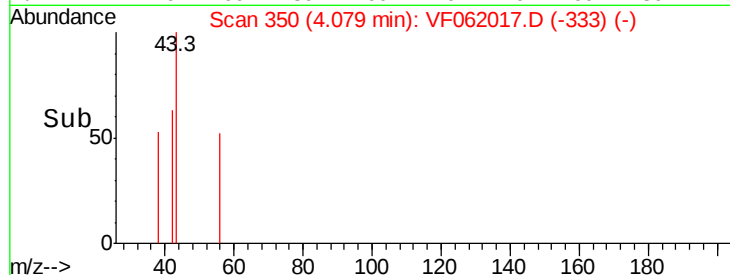
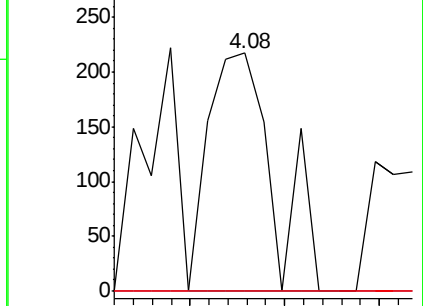
70 0.0 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#41

Methacrylonitrile

Concen: 139.276 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.01 min

Lab File: VF062017.D

Acq: 19 Mar 2019 14:45

Tgt Ion: 41 Resp: 70

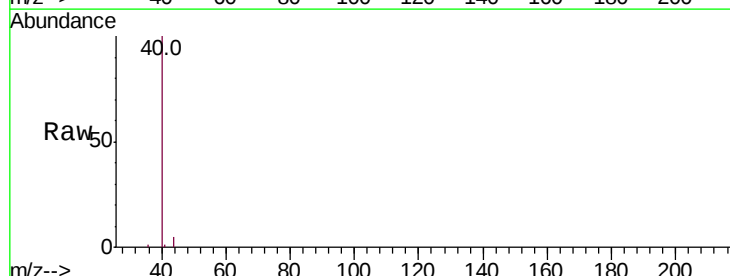
Ion Ratio Lower Upper

41 100

39 0.0 46.2 69.4#

67 0.0 49.8 74.8#

52 0.0 42.7 64.1#

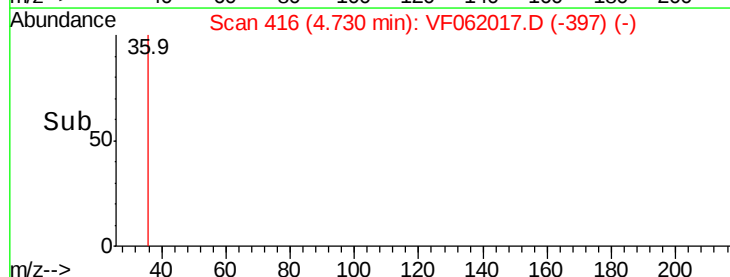
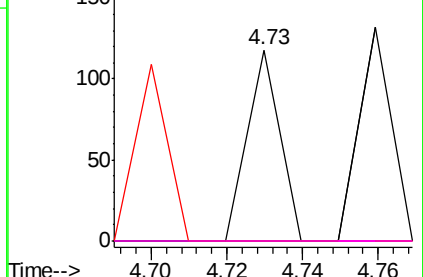


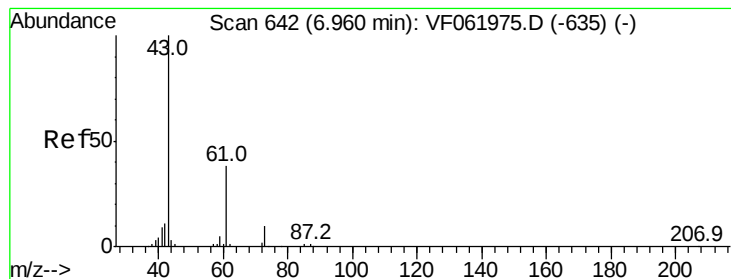
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#43

Isopropyl Acetate

Concen: 140.161 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF062017.D

Acq: 19 Mar 2019 14:45

Instrument :

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FK-GF-03-006-ARE

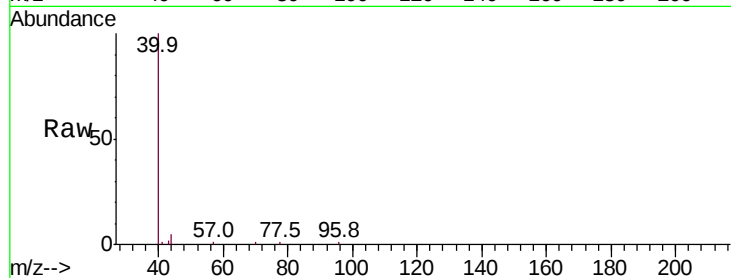
Tot Ion: 43 Resp: 156

Ion Ratio Lower Upper

43 100

61 0.0 30.1 45.1#

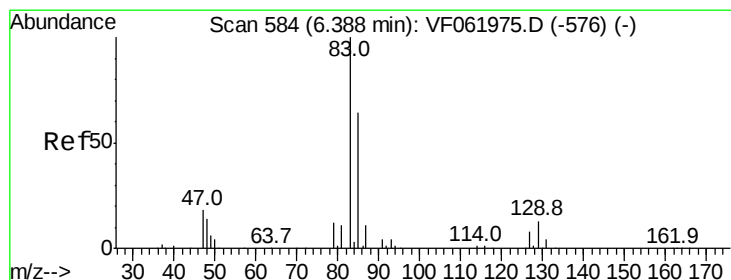
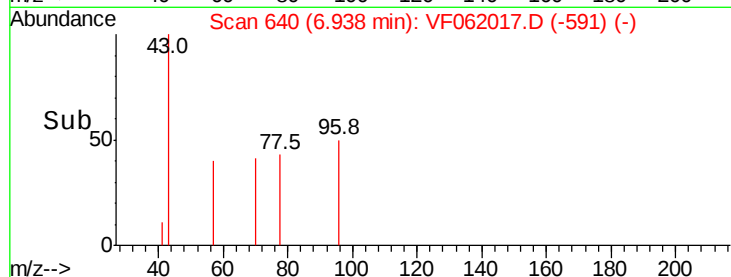
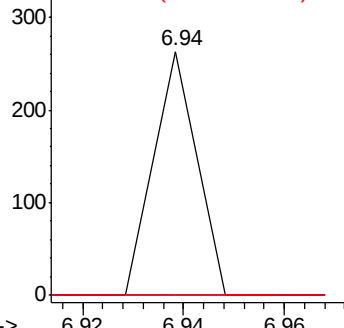
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#47

Bromodichloromethane

Concen: 35.820 ug/l

RT: 6.29 min Scan# 574

Delta R.T. -0.10 min

Lab File: VF062017.D

Acq: 19 Mar 2019 14:45

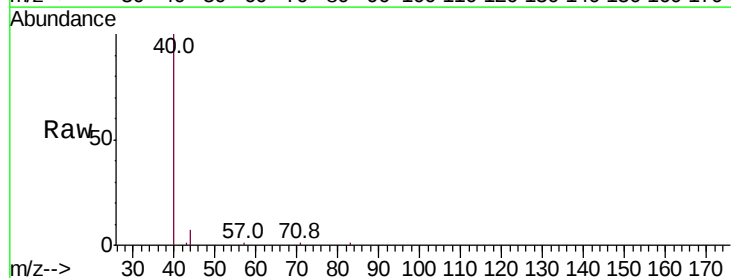
Tgt Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

85 0.0 51.4 77.2#

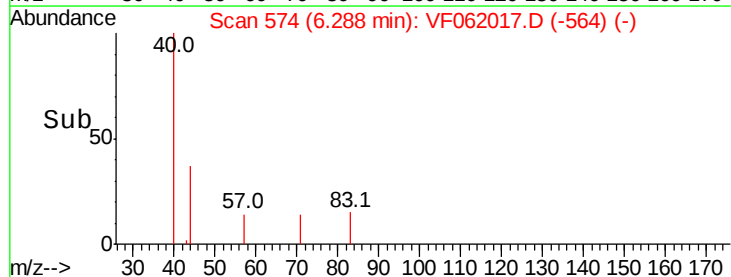
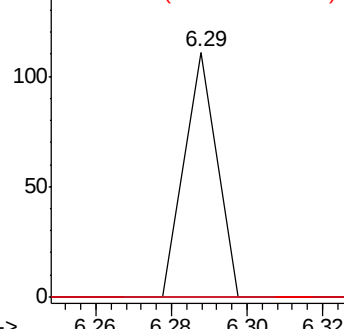
127 0.0 6.5 9.7#

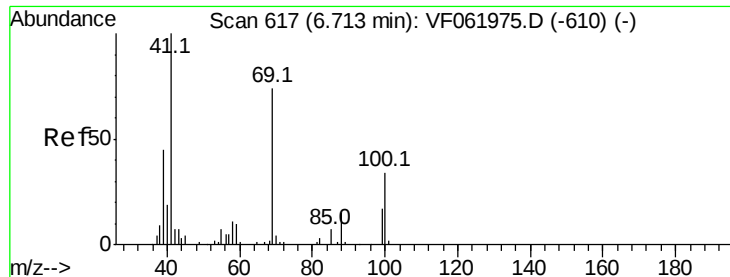


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

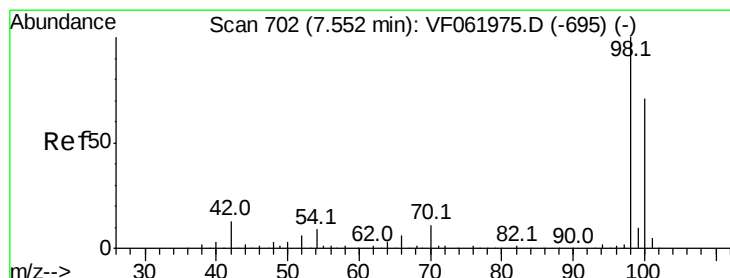
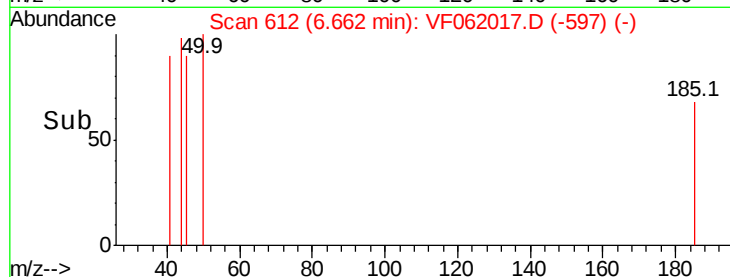
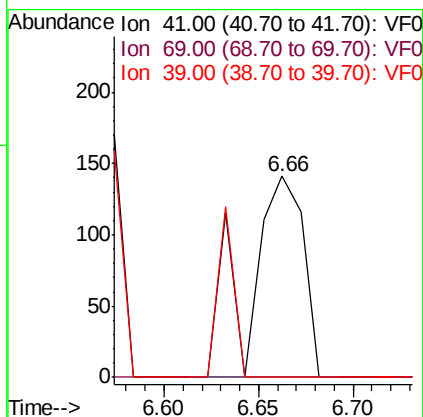
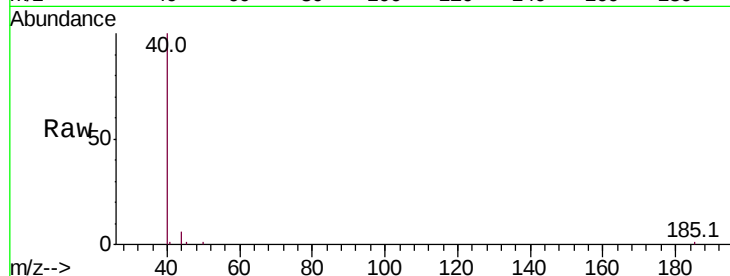




#48
Methyl methacrylate
Concen: 397.592 ug/l
RT: 6.66 min Scan# 612
Delta R.T. -0.05 min
Lab File: VF062017.D
Acq: 19 Mar 2019 14:45

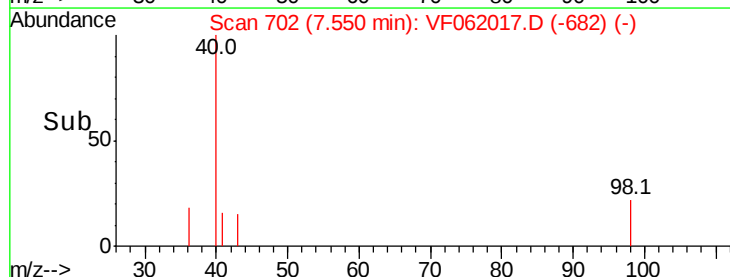
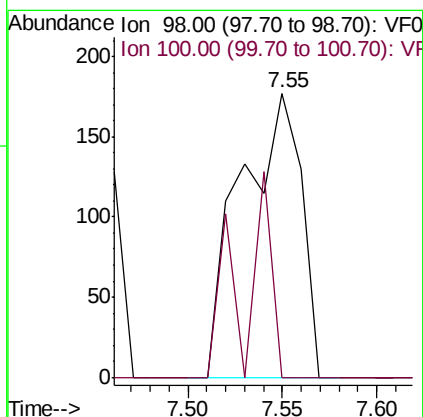
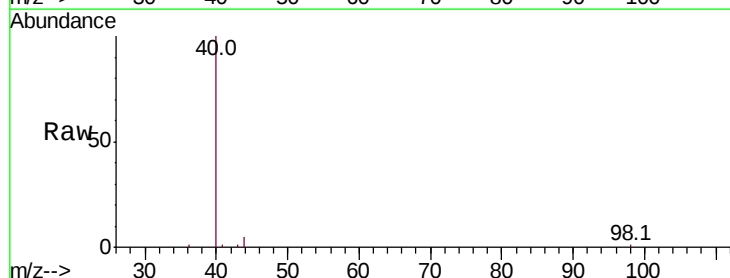
Instrument :
MSVOA_F
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FK-GF-03-006-ARE

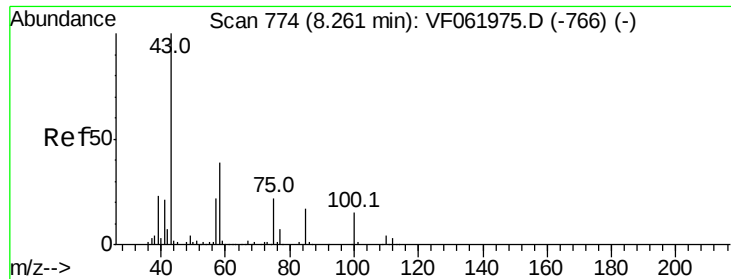
Tot Ion: 41 Resp: 286
Ion Ratio Lower Upper
41 100
69 0.0 59.0 88.6#
39 0.0 35.6 53.4#



#50
Toluene-d8
Concen: 86.293 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF062017.D
Acq: 19 Mar 2019 14:45

Tgt Ion: 98 Resp: 393
Ion Ratio Lower Upper
98 100
100 0.0 56.8 85.2#





#51

4-Methyl-2-Pentanone

Concen: 226.479 ug/l

RT: 8.22 min Scan# 770

Delta R.T. -0.04 min

Lab File: VF062017.D

Acq: 19 Mar 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

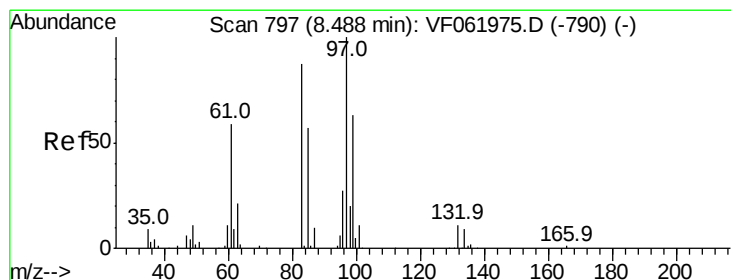
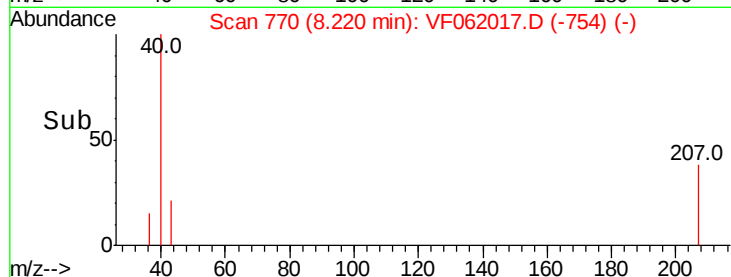
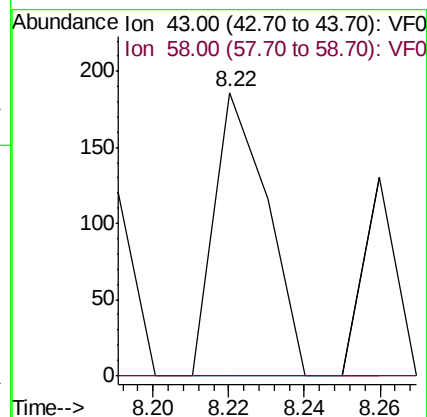
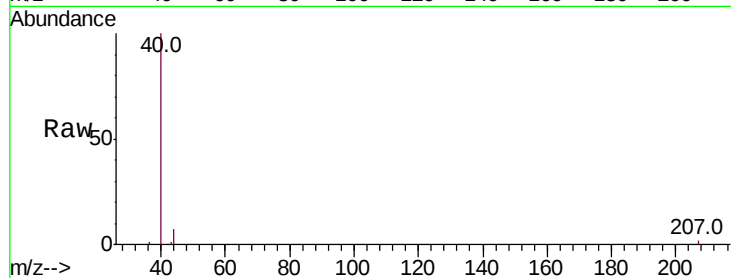
FK-GF-03-006-ARE

Tot Ion: 43 Resp: 179

Ion Ratio Lower Upper

43 100

58 0.0 31.1 46.7#



#55

1,1,2-Trichloroethane

Concen: 82.393 ug/l

RT: 8.54 min Scan# 802

Delta R.T. 0.05 min

Lab File: VF062017.D

Acq: 19 Mar 2019 14:45

Tgt Ion: 97 Resp: 78

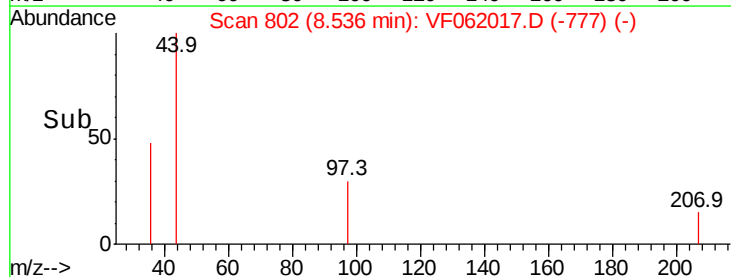
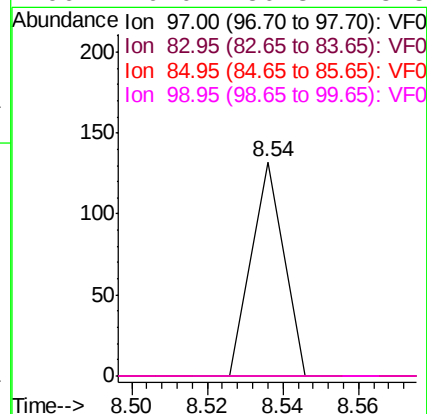
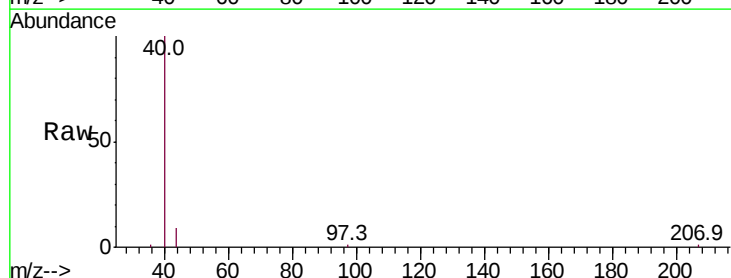
Ion Ratio Lower Upper

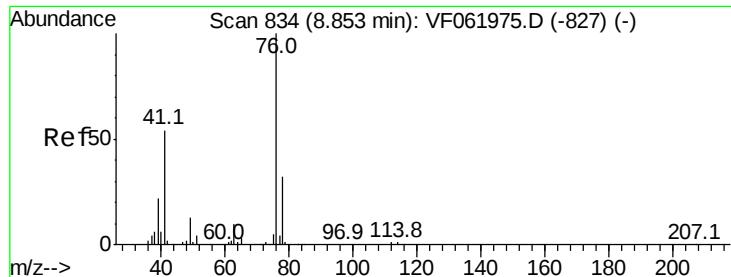
97 100

83 0.0 69.7 104.5#

85 0.0 45.8 68.6#

99 0.0 50.3 75.5#





#57

1,3-Dichloropropane

Concen: 46.227 ug/l

RT: 8.80 min Scan# 829

Delta R.T. -0.05 min

Lab File: VF062017.D

Acq: 19 Mar 2019 14:45

Instrument :

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ClientSampleId :

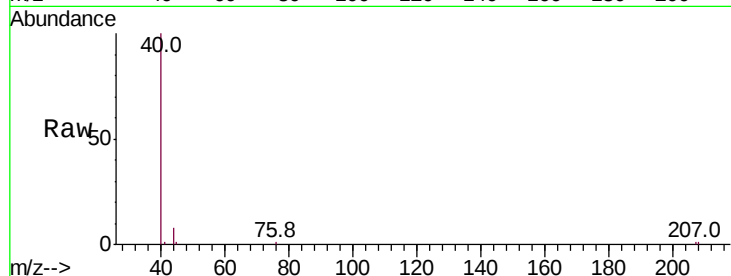
FK-GF-03-006-ARE

Tot Ion: 76 Resp: 73

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.2#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.80

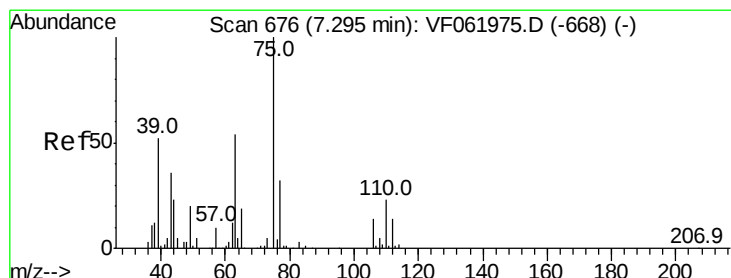
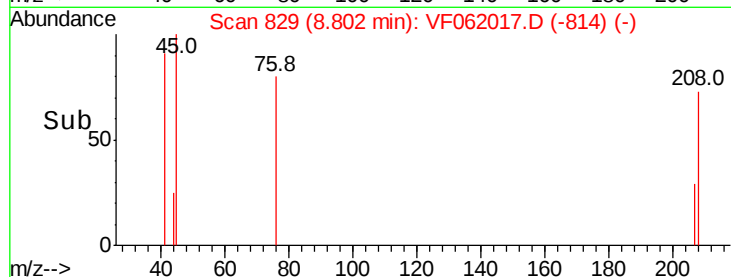
100

50

0

8.78 8.80 8.82

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 374.510 ug/l

RT: 7.33 min Scan# 680

Delta R.T. 0.04 min

Lab File: VF062017.D

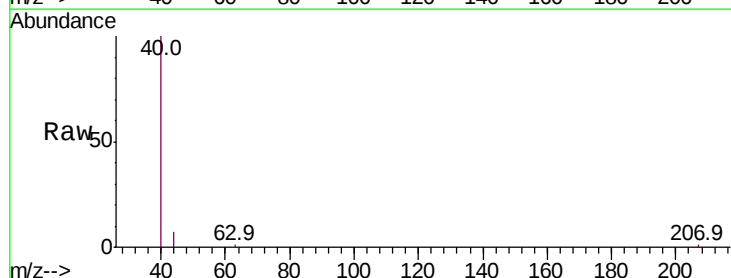
Acq: 19 Mar 2019 14:45

Tgt Ion: 63 Resp: 73

Ion Ratio Lower Upper

63 100

106 0.0 20.9 31.3#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.33

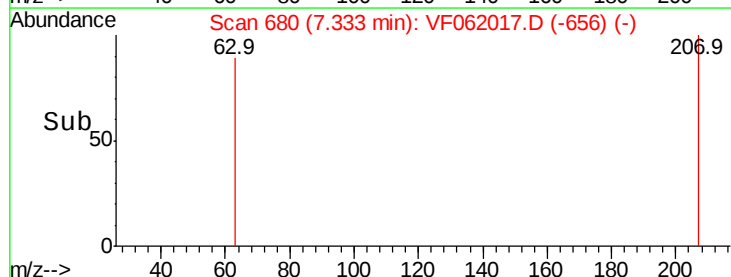
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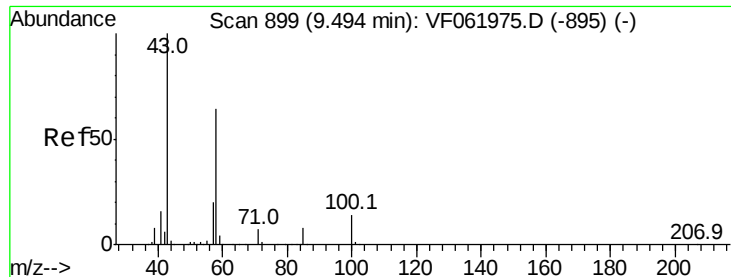
50

0

7.30 7.32 7.34 7.36

Time-->

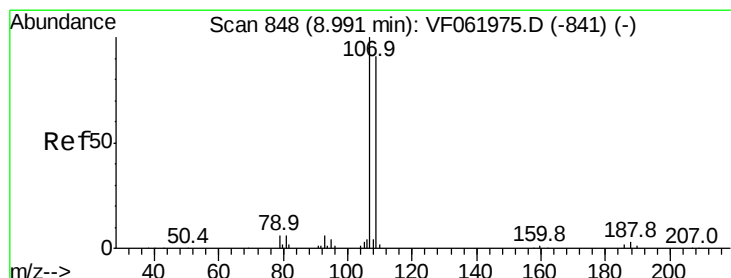
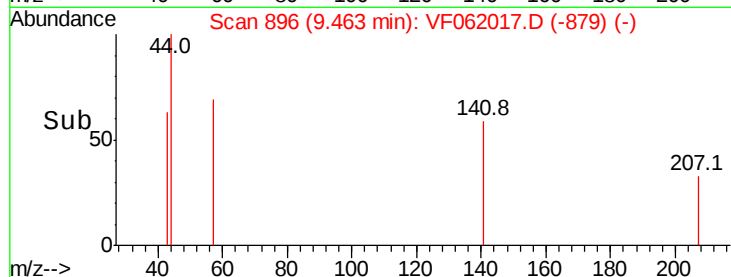
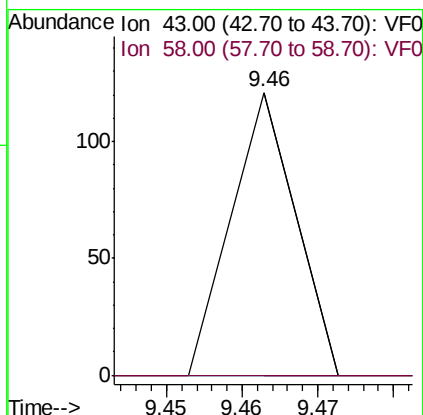
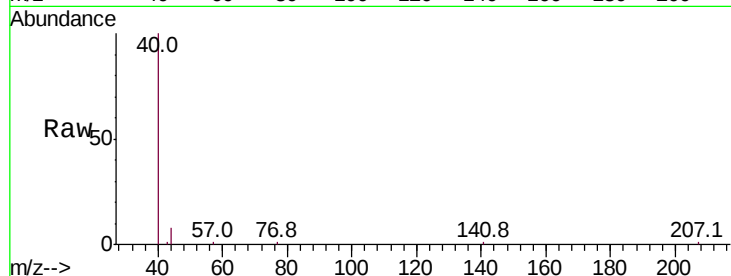




#59
2-Hexanone
Concen: 125.877 ug/l
RT: 9.46 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF062017.D
Acq: 19 Mar 2019 14:45

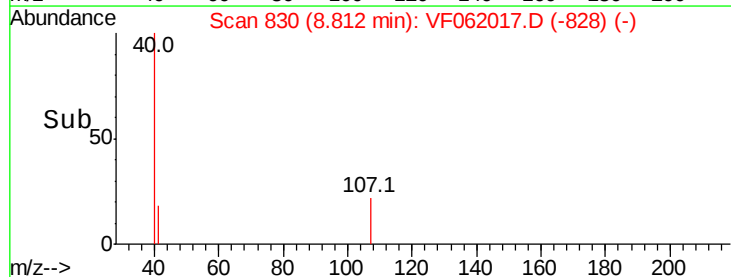
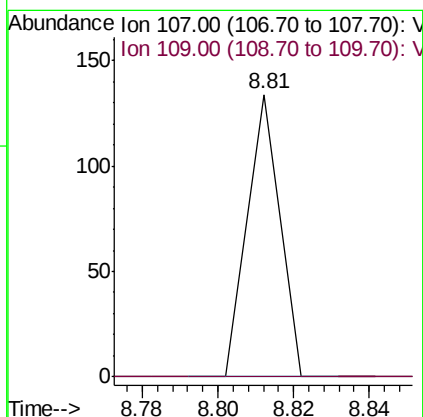
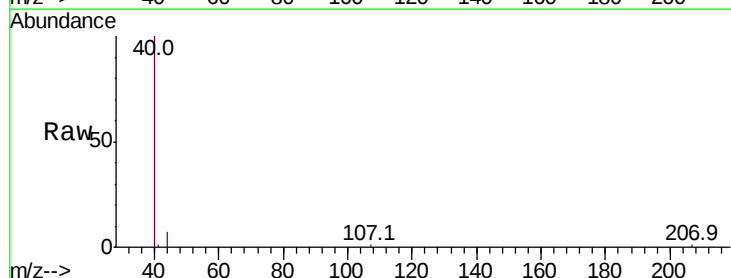
Instrument :
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ClientSampleId :
FK-GF-03-006-ARE

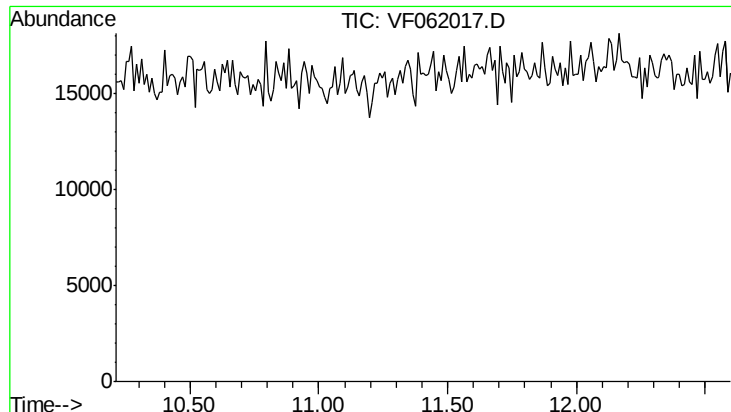
Tot Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.2#



#61
1,2-Dibromoethane
Concen: 77.797 ug/l
RT: 8.81 min Scan# 830
Delta R.T. -0.18 min
Lab File: VF062017.D
Acq: 19 Mar 2019 14:45

Tgt Ion:107 Resp: 79
Ion Ratio Lower Upper
107 100
109 0.0 72.8 109.2#





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.41 min

Lab File: VF062017.D

Acq: 19 Mar 2019 14:45

Tot Ion: 95

Sig Exp Ratio

95 100

174 74.7

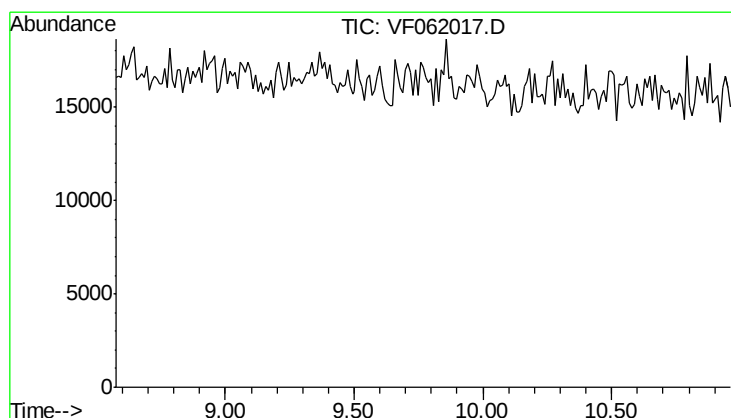
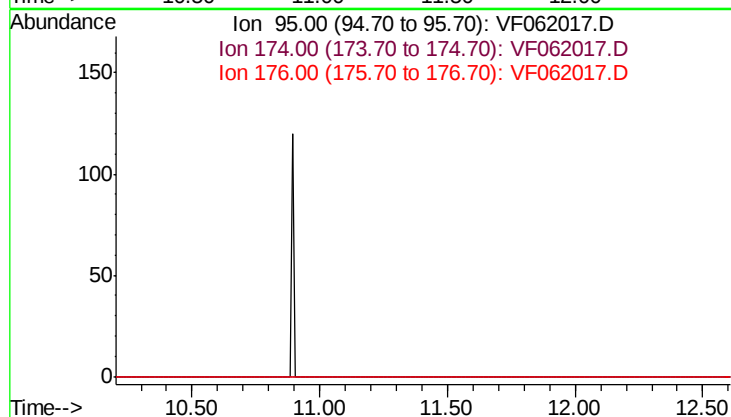
176 71.7

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-03-006-ARE



#63

Chlorobenzene-d5

Concen: 0.000 ug/l

Expected RT: 9.77 min

Lab File: VF062017.D

Acq: 19 Mar 2019 14:45

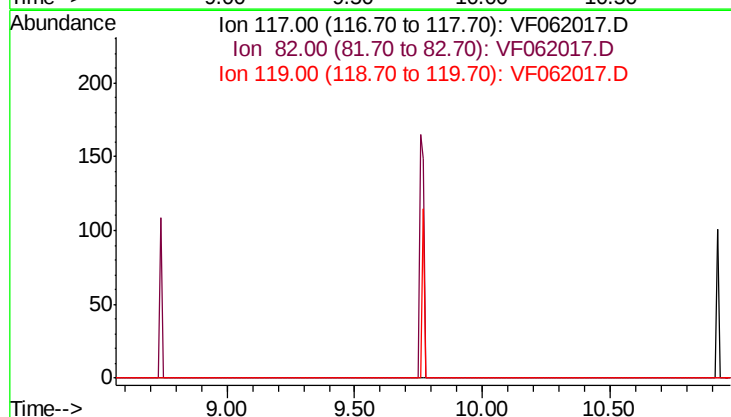
Tgt Ion: 117

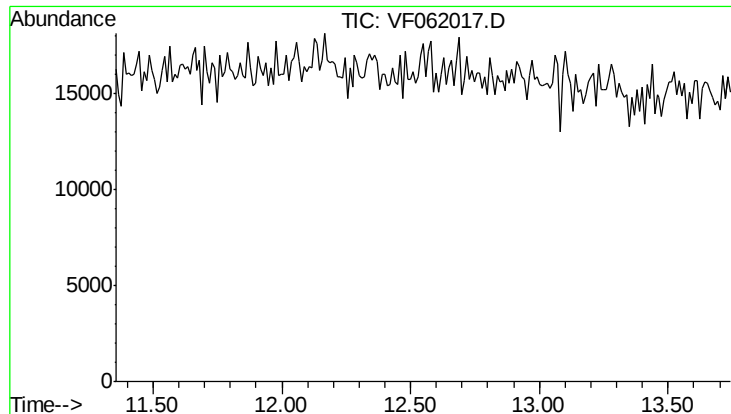
Sig Exp Ratio

117 100

82 53.1

119 31.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.55 min
 Lab File: VF062017.D
 Acq: 19 Mar 2019 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-03-006-ARE

Tot Ion: 152
 Sig Exp Ratio
 152 100
 115 54.6
 150 158.1

