

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062891.D
 Acq On : 6 Jun 2019 19:15
 Operator : FY/SY
 Sample : K3247-04
 Misc : 5.74g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-02-041-B

Quant Time: Jun 07 01:26:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

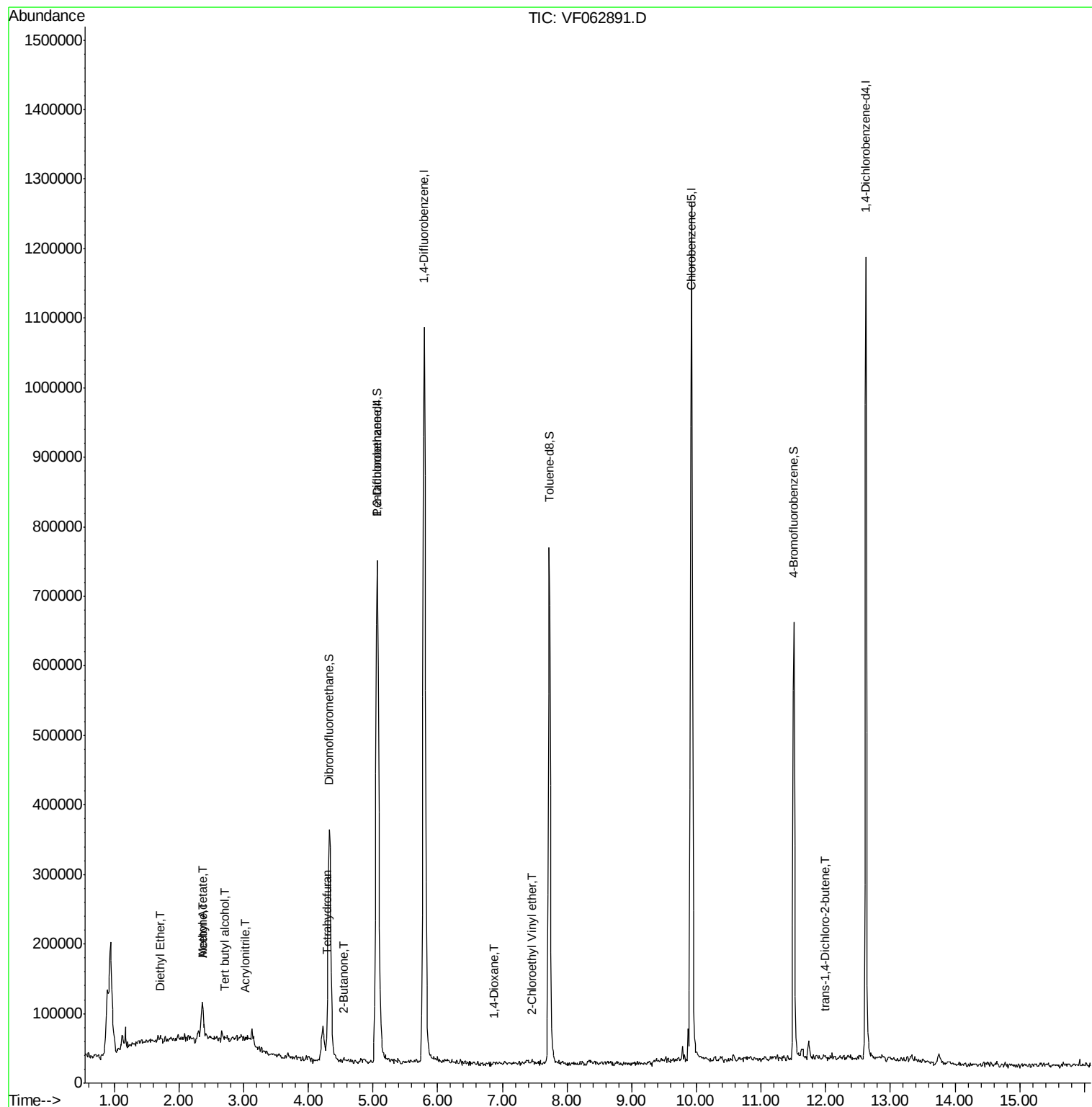
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	708078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1327943	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	970477	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	305970	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	183675	37.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.02%	
35) Dibromofluoromethane	4.32	113	333092	33.19	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	66.38%	
50) Toluene-d8	7.72	98	665440	26.22	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	52.44%	
62) 4-Bromofluorobenzene	11.51	95	237026	25.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	51.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.03	85	666	Below Cal	#	66
8) Diethyl Ether	1.72	74	4028	1.986	ug/l	57
11) Tert butyl alcohol	2.71	59	1776	5.987	ug/l #	1
13) Acrolein	1.97	56	924	Below Cal		89
15) Acrylonitrile	3.02	53	1226	1.100	ug/l	87
16) Acetone	2.36	43	85390	76.195	ug/l	100
18) Methyl Acetate	2.36	43	74400	37.991	ug/l #	49
20) Methylene Chloride	2.36	84	12301	Below Cal	#	86
25) 2-Butanone	4.55	43	4700	1.801	ug/l #	48
29) Tetrahydrofuran	4.28	42	2050	2.054	ug/l #	75
49) 1,4-Dioxane	6.89	88	335	7.988	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.47	63	3780	1.761	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.98	75	1337	1.045	ug/l #	84

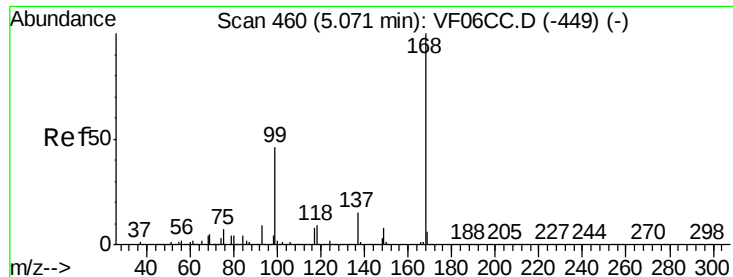
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062891.D
Acq On : 6 Jun 2019 19:15
Operator : FY/SY
Sample : K3247-04
Misc : 5.74g/5mL/MSVOA F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
FK-GF-02-041-B

Quant Time: Jun 07 01:26:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062891.D

Acq: 6 Jun 2019 19:15

Instrument :

MSVOA_F

ClientSampleId :

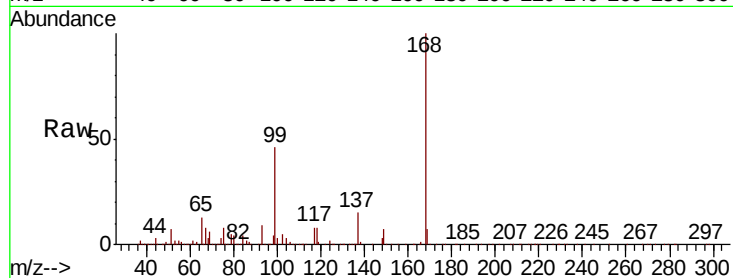
FK-GF-02-041-B

Tot Ion:168 Resp: 708078

Ion Ratio Lower Upper

168 100

99 46.2 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

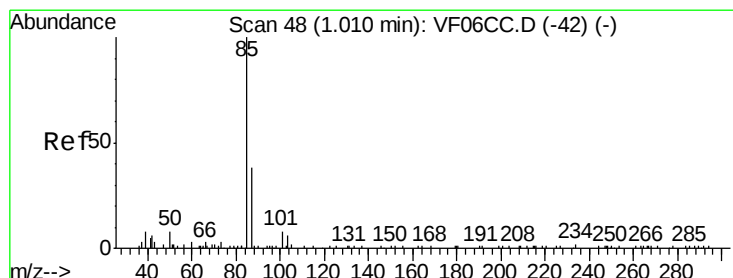
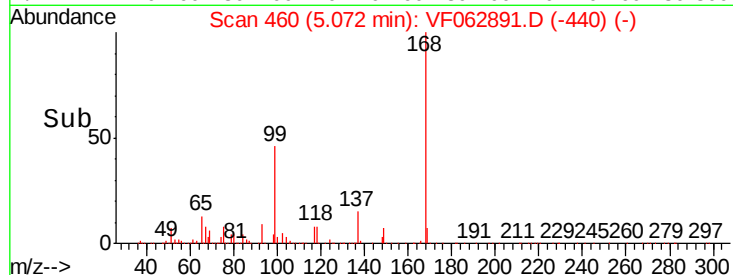
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.03 min Scan# 50

Delta R.T. 0.02 min

Lab File: VF062891.D

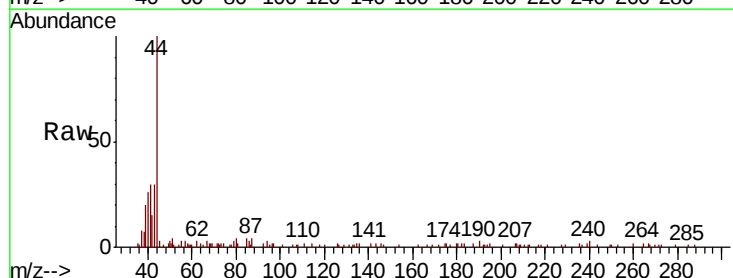
Acq: 6 Jun 2019 19:15

Tgt Ion: 85 Resp: 666

Ion Ratio Lower Upper

85 100

87 54.8 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.03

400

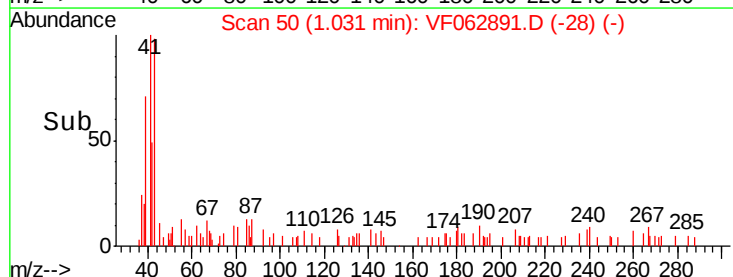
300

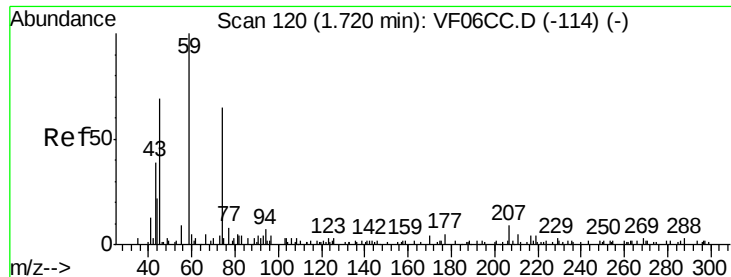
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.986 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.00 min

Lab File: VF062891.D

Acq: 6 Jun 2019 19:15

Instrument :

MSVOA_F

ClientSampleId :

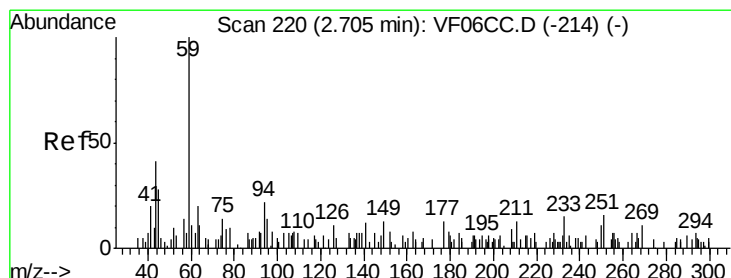
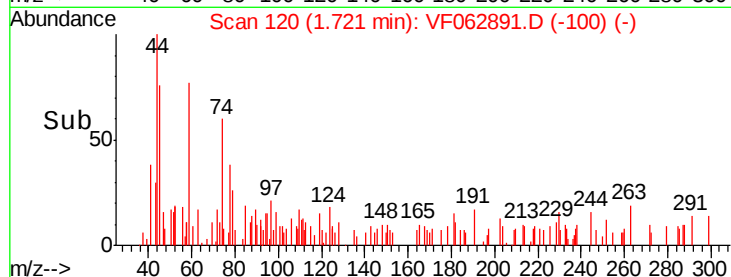
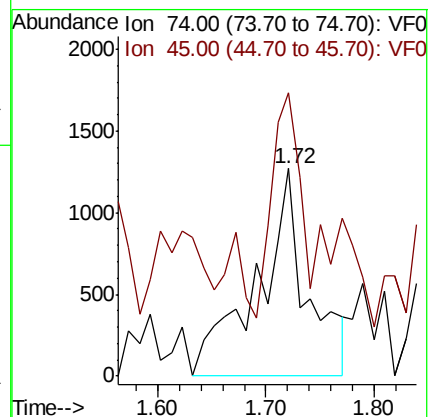
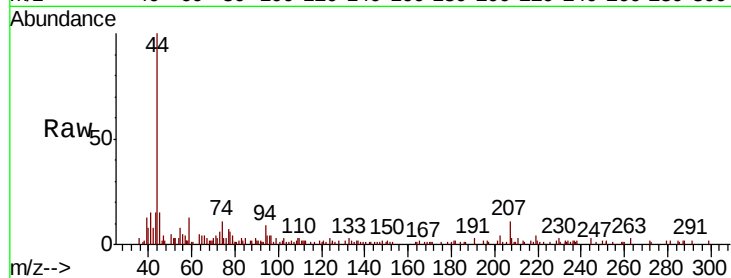
FK-GF-02-041-B

Tot Ion: 74 Resp: 4028

Ion Ratio Lower Upper

74 100

45 136.5 47.5 142.5



#11

Tert butyl alcohol

Concen: 5.987 ug/l

RT: 2.71 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF062891.D

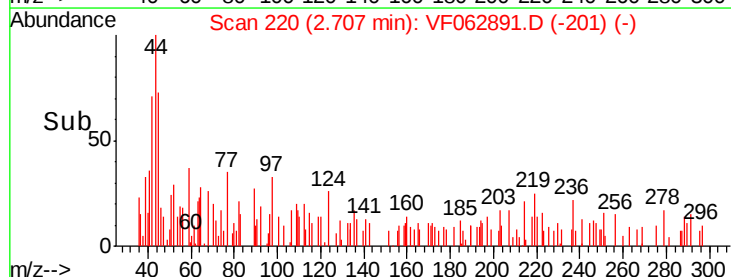
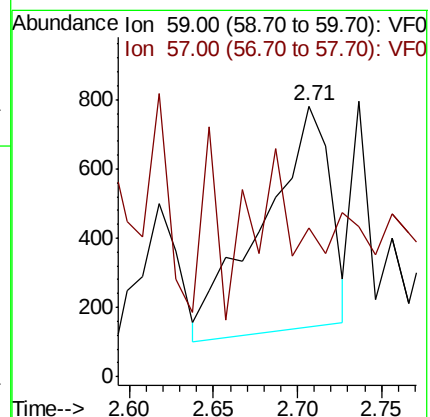
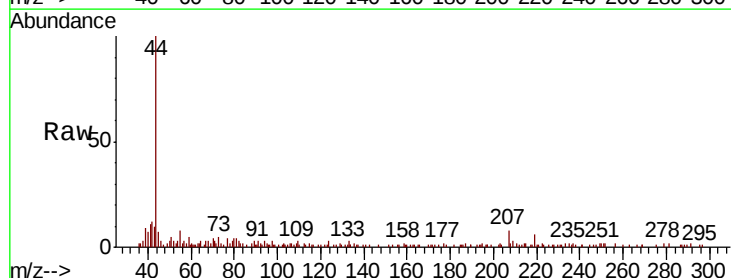
Acq: 6 Jun 2019 19:15

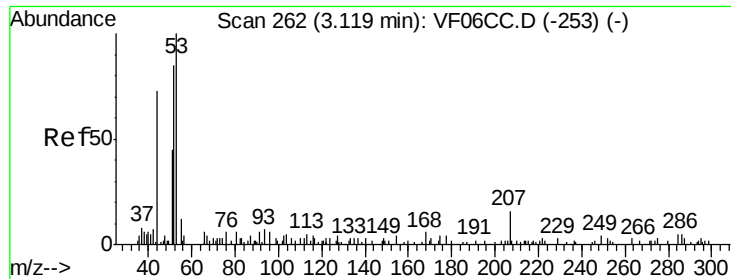
Tgt Ion: 59 Resp: 1776

Ion Ratio Lower Upper

59 100

57 55.0 9.2 13.8#





#15

Acrylonitrile

Concen: 1.100 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.09 min

Lab File: VF062891.D

Acq: 6 Jun 2019 19:15

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-02-041-B

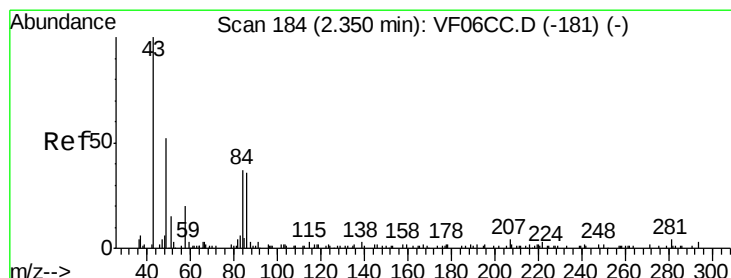
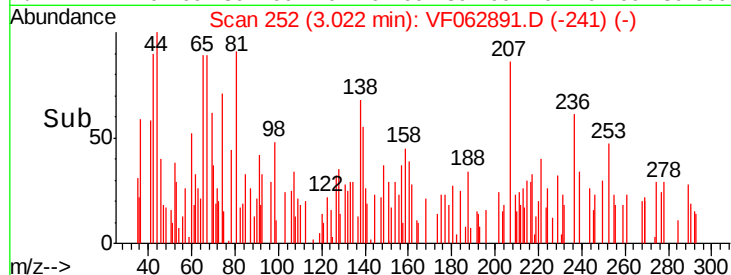
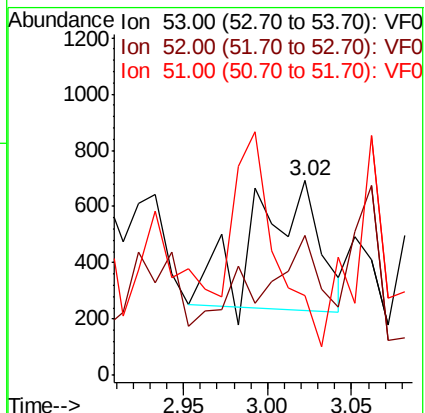
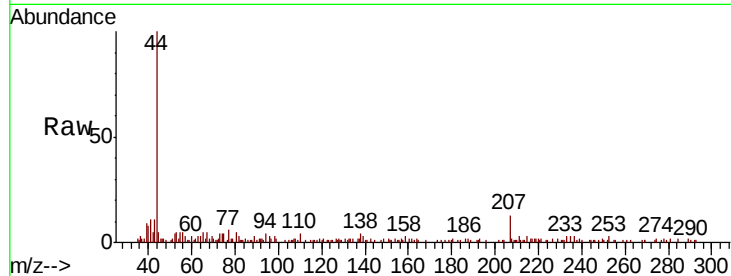
Tot Ion: 53 Resp: 1226

Ion Ratio Lower Upper

53 100

52 72.2 68.1 102.1

51 41.2 27.7 41.5



#16

Acetone

Concen: 76.195 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062891.D

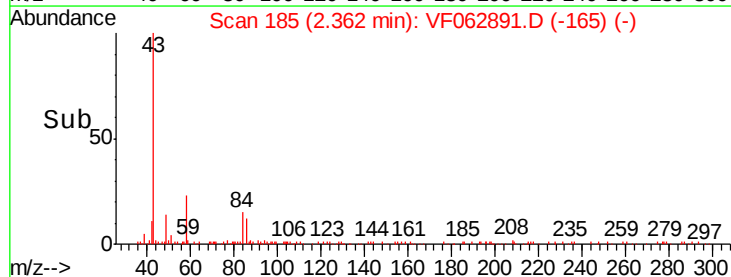
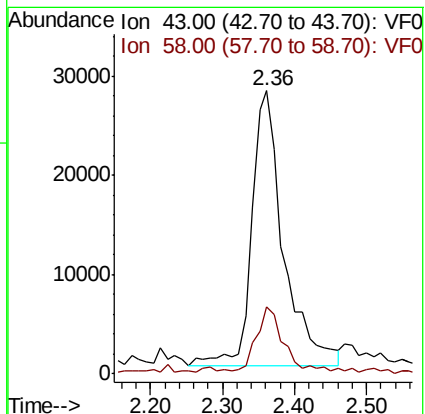
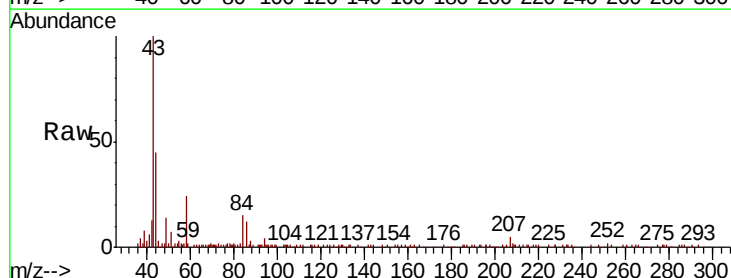
Acq: 6 Jun 2019 19:15

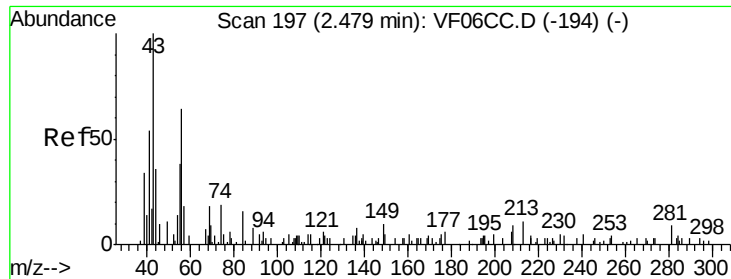
Tgt Ion: 43 Resp: 85390

Ion Ratio Lower Upper

43 100

58 23.7 19.0 28.4

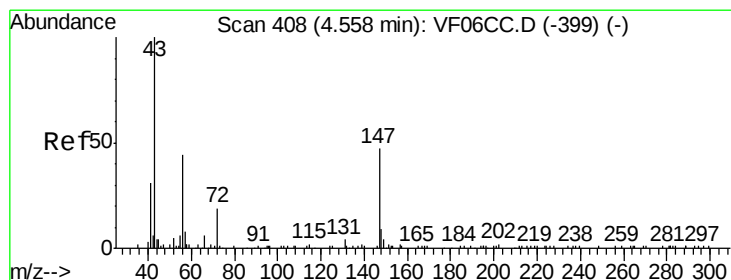
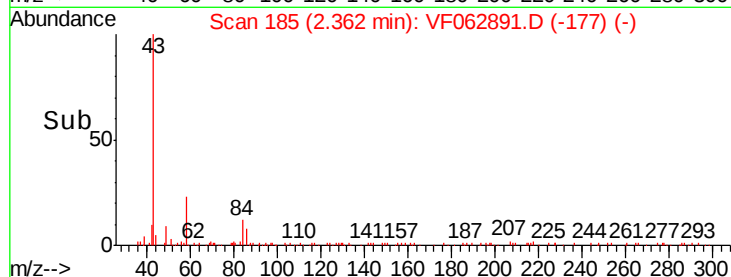
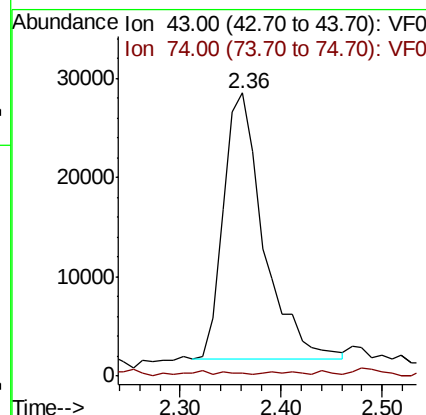
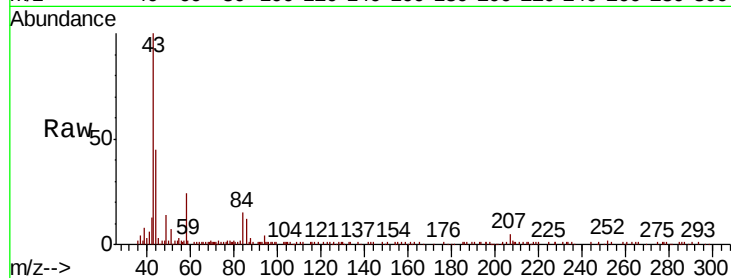




#18
Methvl Acetate
Concen: 37.991 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.12 min
Lab File: VF062891.D
Acq: 6 Jun 2019 19:15

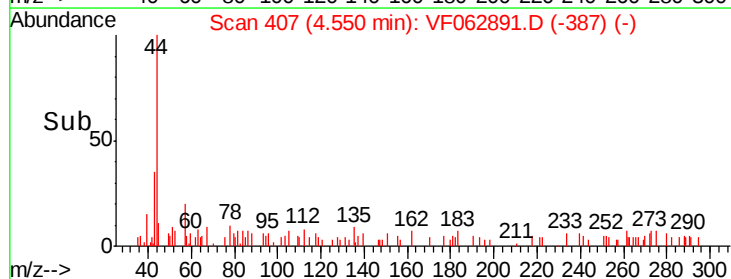
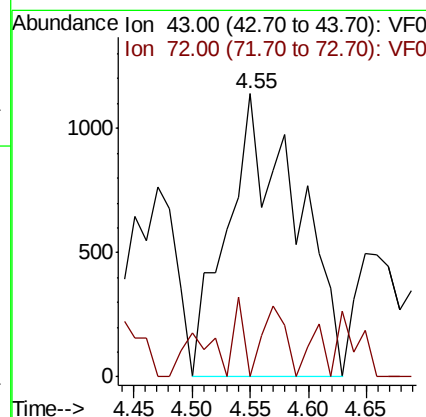
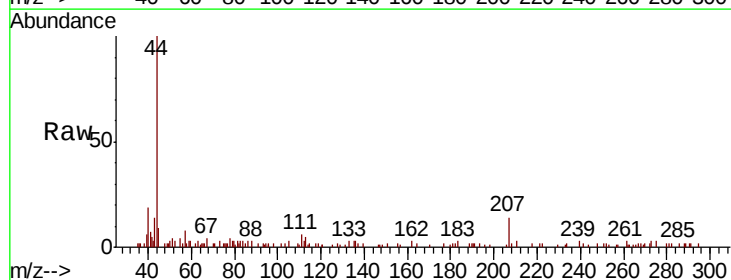
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-02-041-B

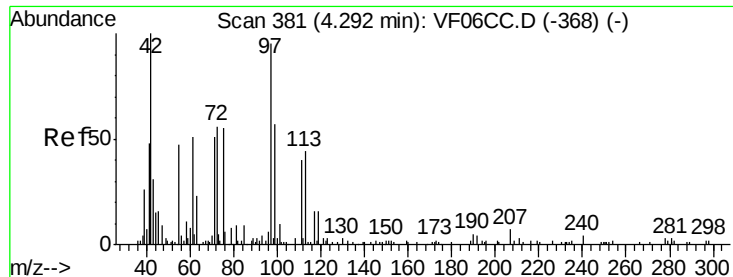
Tot Ion: 43 Resp: 74400
Ion Ratio Lower Upper
43 100
74 1.0 22.1 33.1#



#25
2-Butanone
Concen: 1.801 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF062891.D
Acq: 6 Jun 2019 19:15

Tgt Ion: 43 Resp: 4700
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#





#29

Tetrahydrofuran

Concen: 2.054 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF062891.D

Acq: 6 Jun 2019 19:15

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-02-041-B

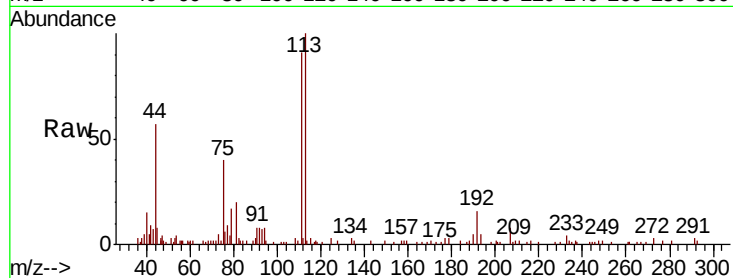
Tot Ion: 42 Resp: 2050

Ion Ratio Lower Upper

42 100

72 16.4 39.0 58.6#

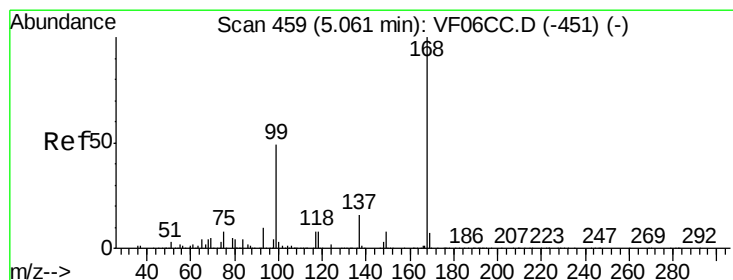
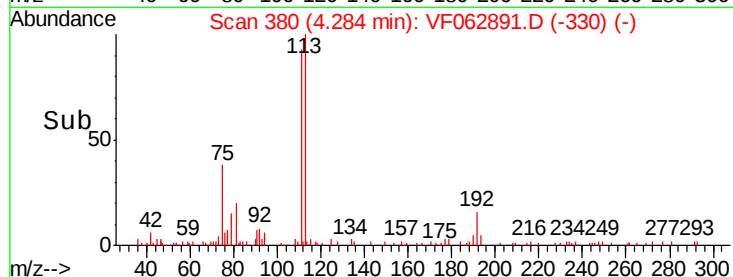
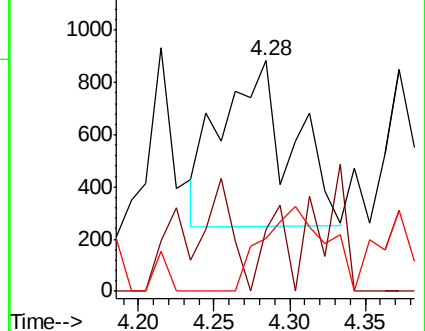
71 46.5 36.9 55.3



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: 37.512 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062891.D

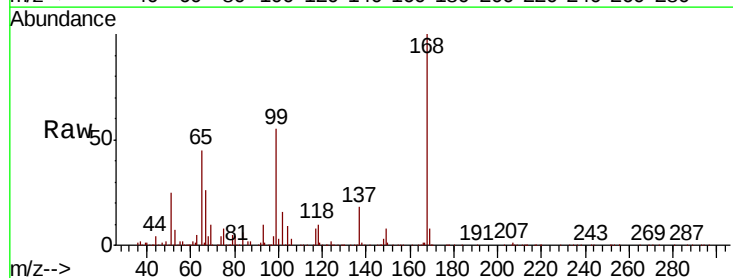
Acq: 6 Jun 2019 19:15

Tgt Ion: 65 Resp: 183675

Ion Ratio Lower Upper

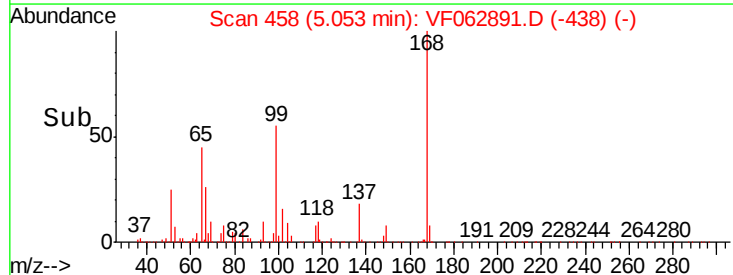
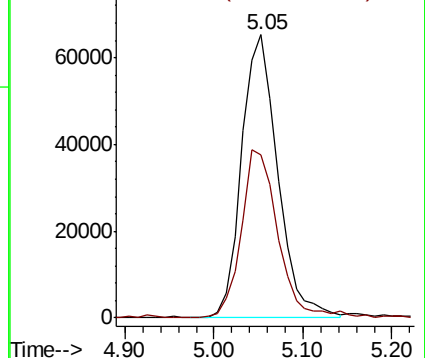
65 100

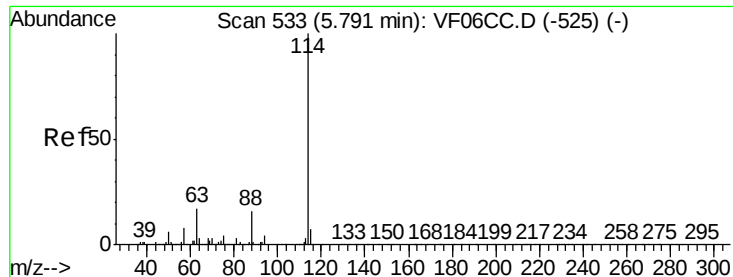
67 57.7 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

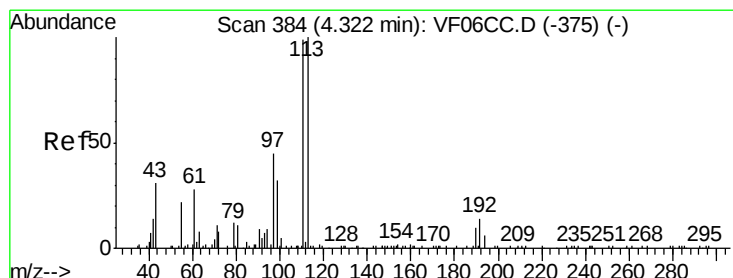
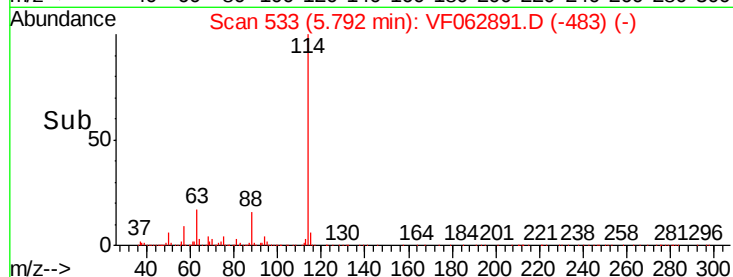
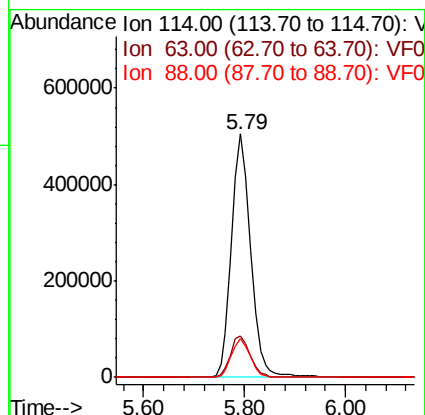
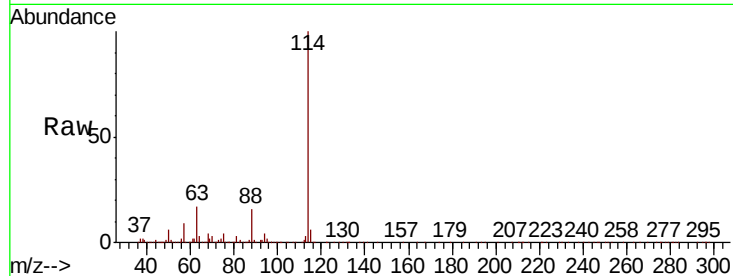




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.79 min Scan# 533
Delta R.T. -0.01 min
Lab File: VF062891.D
Acq: 6 Jun 2019 19:15

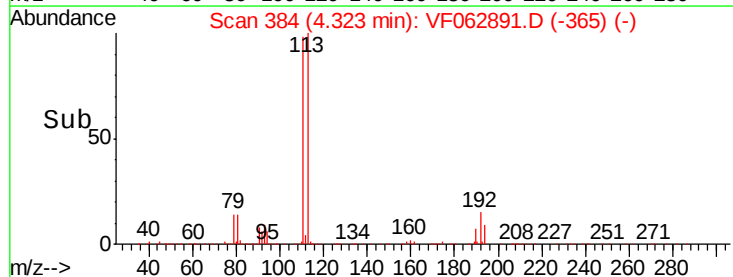
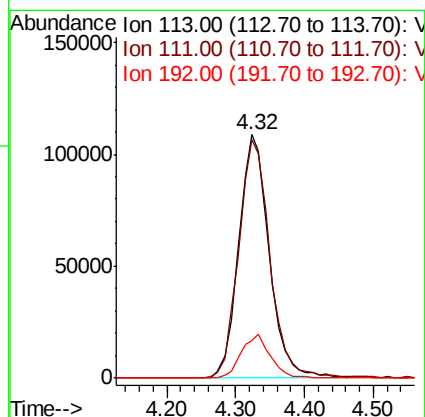
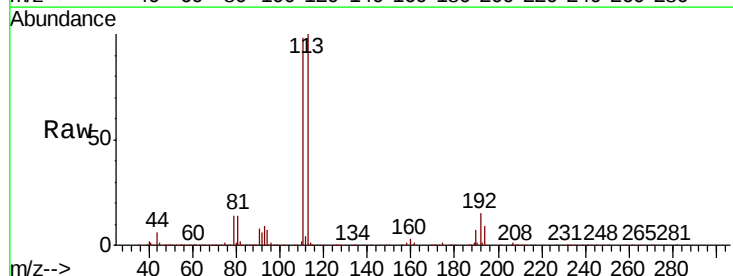
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-02-041-B

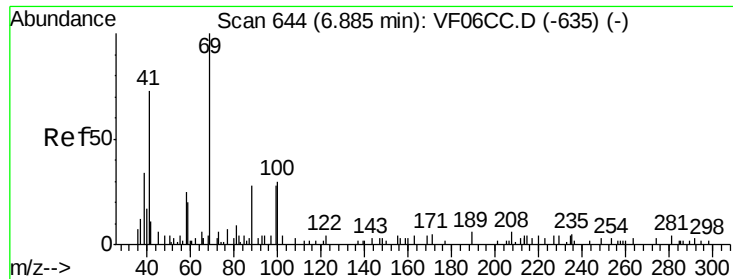
Tot Ion:114 Resp: 1327943
Ion Ratio Lower Upper
114 100
63 16.8 0.0 34.2
88 16.1 0.0 31.2



#35
Dibromofluoromethane
Concen: 33.194 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.01 min
Lab File: VF062891.D
Acq: 6 Jun 2019 19:15

Tgt Ion:113 Resp: 333092
Ion Ratio Lower Upper
113 100
111 98.2 81.9 122.9
192 15.5 15.1 22.7





#49

1,4-Dioxane

Concen: 7.988 ug/l

RT: 6.89 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062891.D

Acq: 6 Jun 2019 19:15

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-02-041-B

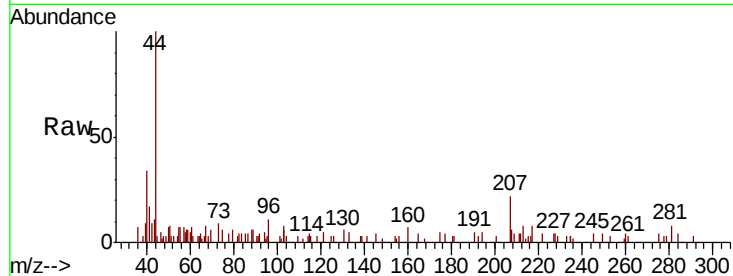
Tot Ion: 88 Resp: 335

Ion Ratio Lower Upper

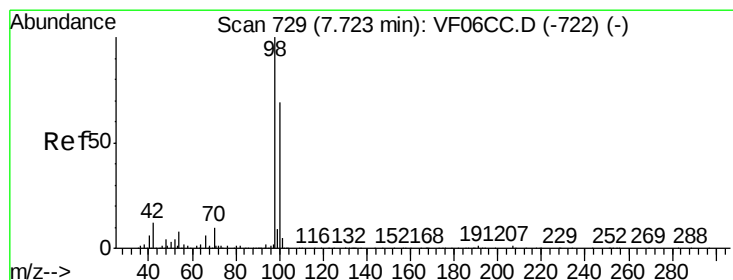
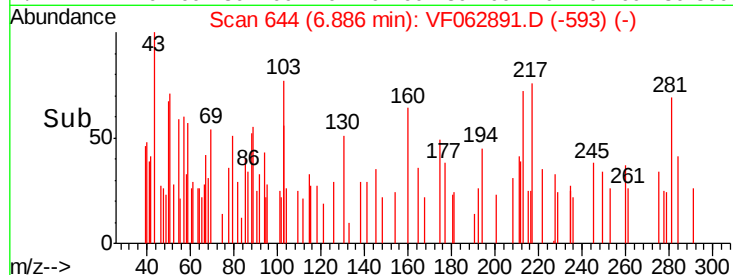
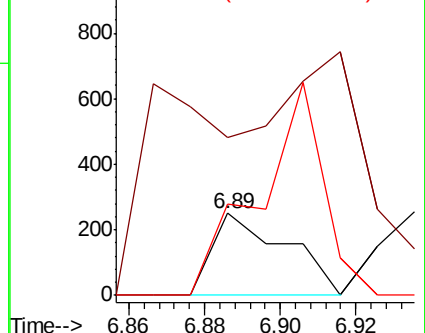
88 100

43 191.6 34.8 52.2#

58 111.2 59.9 89.9#



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: 26.224 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.01 min

Lab File: VF062891.D

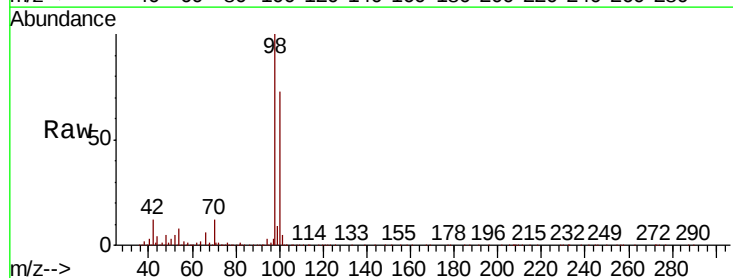
Acq: 6 Jun 2019 19:15

Tgt Ion: 98 Resp: 665440

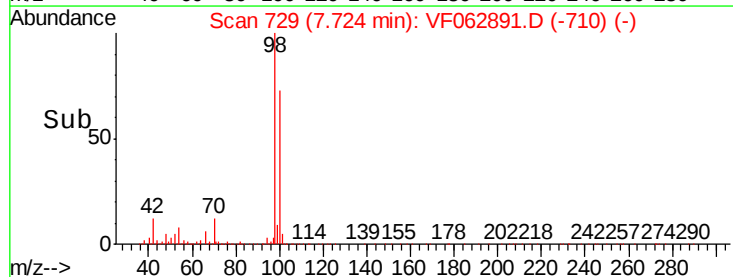
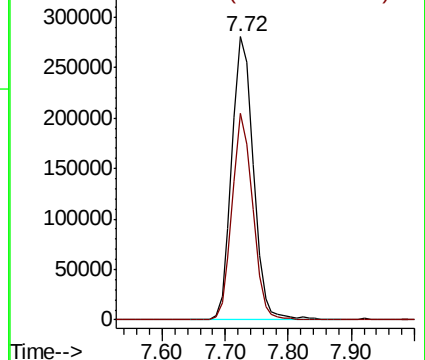
Ion Ratio Lower Upper

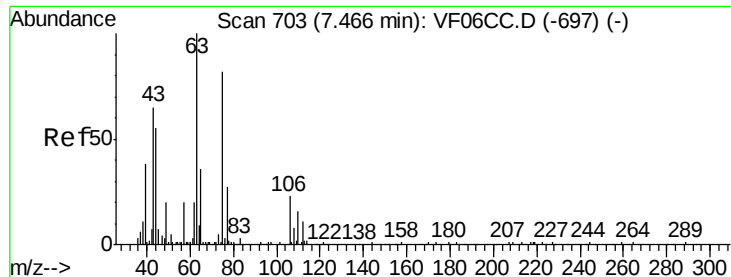
98 100

100 72.9 59.8 89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

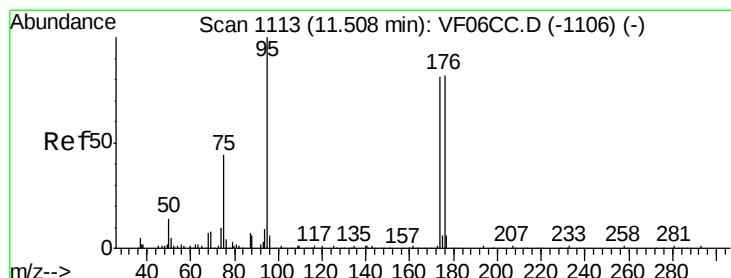
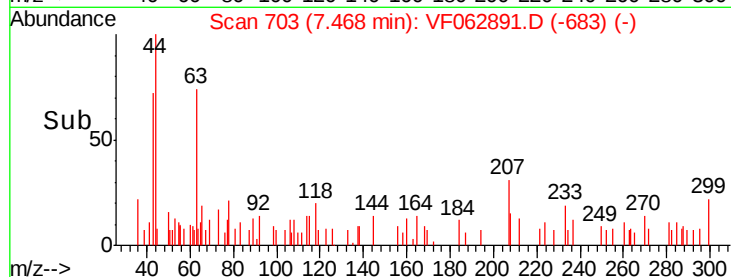
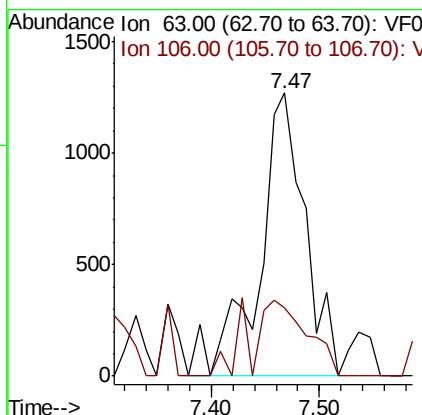
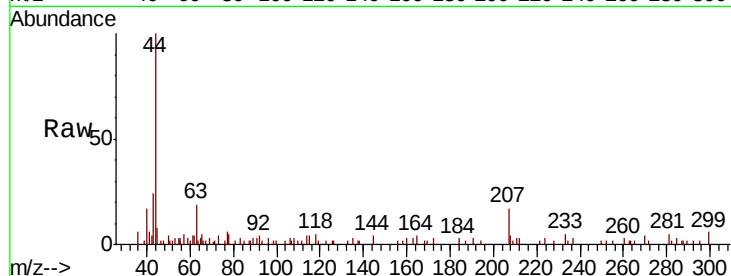




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.761 ug/l
 RT: 7.47 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: VF062891.D
 Acq: 6 Jun 2019 19:15

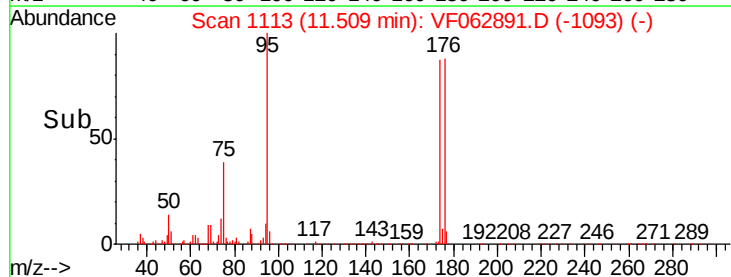
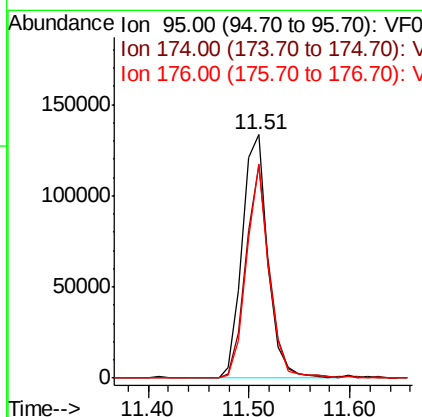
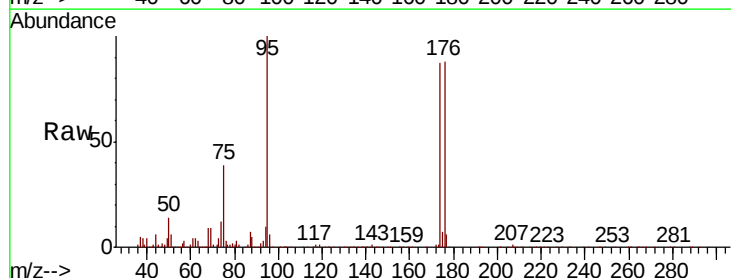
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-02-041-B

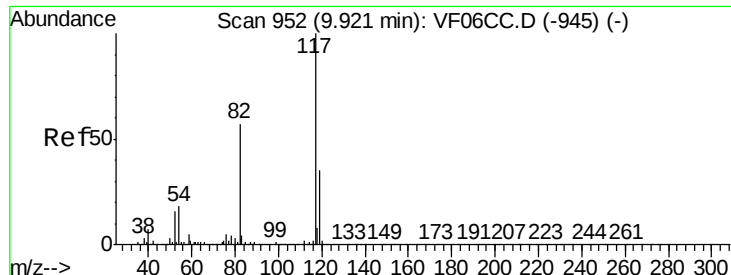
Tot Ion: 63 Resp: 3780
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.5 29.3



#62
 4-Bromofluorobenzene
 Concen: 25.968 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VF062891.D
 Acq: 6 Jun 2019 19:15

Tgt Ion: 95 Resp: 237026
 Ion Ratio Lower Upper
 95 100
 174 87.3 0.0 170.6
 176 87.9 0.0 170.6

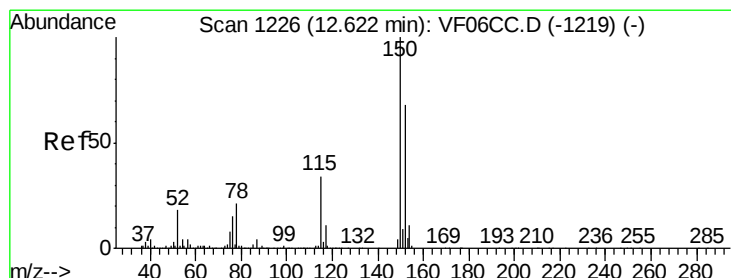
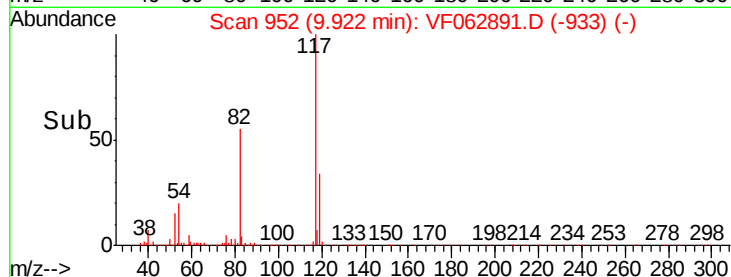
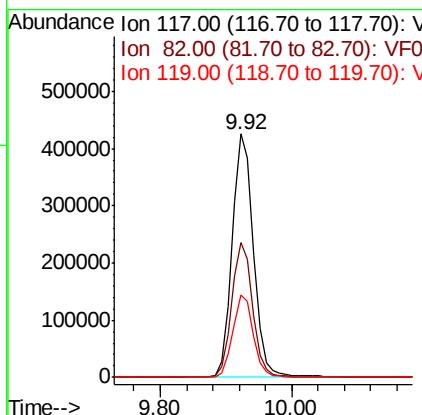
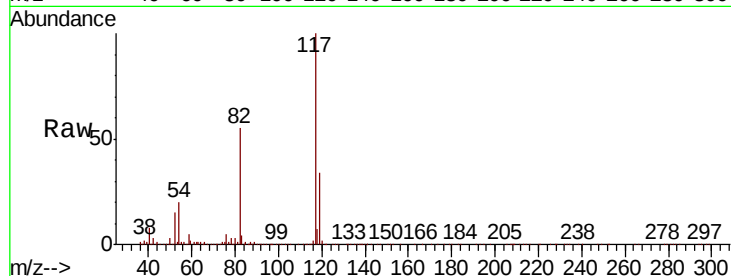




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062891.D
Acq: 6 Jun 2019 19:15

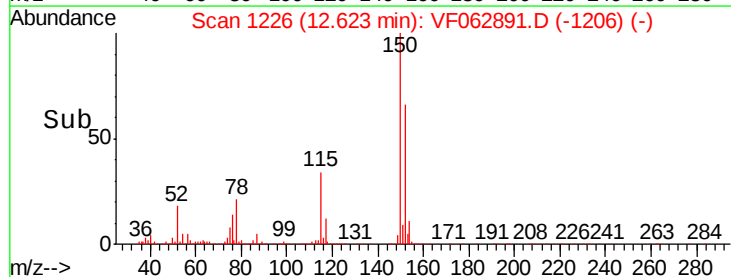
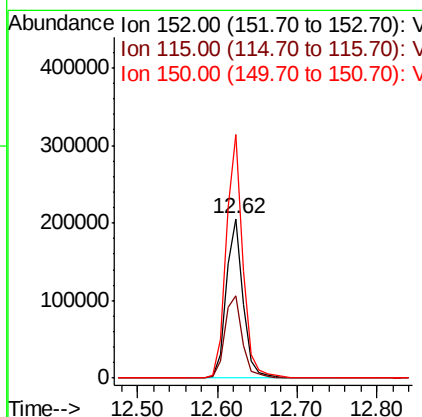
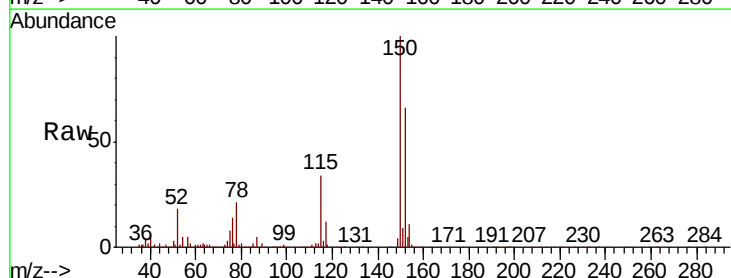
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-02-041-B

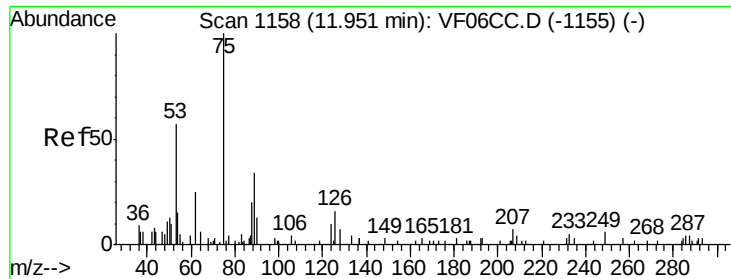
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.4	63.6
119	33.9	27.1	40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062891.D
Acq: 6 Jun 2019 19:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.5	24.6	74.0
150	152.5	0.0	290.6





#81

trans-1,4-Dichloro-2-butene

Concen: 1.045 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.03 min

Lab File: VF062891.D

Acq: 6 Jun 2019 19:15

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-02-041-B

Tot Ion: 75 Resp: 1337

Ion Ratio Lower Upper

75 100

53 41.9 43.5 65.3#

89 33.6 34.3 51.5#

