

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF081018\
 Data File : VF059937.D
 Acq On : 10 Aug 2018 11:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Quant Time: Aug 10 23:02:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	127779	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	174887	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	171499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	113583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	103516	44.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.88%	
35) Dibromofluoromethane	4.31	113	86252	49.57	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	7.72	98	199617	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
62) 4-Bromofluorobenzene	11.51	95	112786	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	103989	47.630	ug/l	96
3) Chloromethane	1.09	50	47586	47.120	ug/l	92
4) Vinyl Chloride	1.15	62	53456	51.669	ug/l	95
5) Bromomethane	1.34	94	43827	44.880	ug/l	100
6) Chloroethane	1.43	64	32213	49.573	ug/l	94
7) Trichlorofluoromethane	1.54	101	144010	50.859	ug/l	95
8) Diethyl Ether	1.71	74	20891	46.493	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	69194	44.282	ug/l	93
10) Methyl Iodide	1.97	142	113671	47.352	ug/l	98
11) Tert butyl alcohol	2.68	59	22433	241.421	ug/l	99
12) 1,1-Dichloroethene	1.86	96	53750	47.091	ug/l	84
13) Acrolein	2.09	56	12874	231.187	ug/l	97
14) Allyl chloride	2.20	41	88188	46.342	ug/l	97
15) Acrylonitrile	3.08	53	36608	214.998	ug/l #	95
16) Acetone	2.34	43	144502	339.786	ug/l	98
17) Carbon Disulfide	1.89	76	142453	46.752	ug/l	99
18) Methyl Acetate	2.45	43	33731	47.017	ug/l #	89
19) Methyl tert-butyl Ether	2.54	73	158710	49.113	ug/l	99
20) Methylene Chloride	2.29	84	25277	20.323	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	49515	43.671	ug/l	92
22) Diisopropyl ether	2.93	45	172010	46.985	ug/l	90
23) Vinyl Acetate	3.34	43	468578	264.399	ug/l #	96
24) 1,1-Dichloroethane	3.01	63	120427	45.170	ug/l	99
25) 2-Butanone	4.51	43	126692	273.975	ug/l	98
26) 2,2-Dichloropropane	3.77	77	80439	51.828	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	58091	45.566	ug/l	80
28) Bromochloromethane	3.89	49	42560	45.209	ug/l	92
29) Tetrahydrofuran	4.26	42	41143	241.684	ug/l	99
30) Chloroform	4.05	83	157647	43.708	ug/l	93
31) Cyclohexane	3.88	56	63994	48.497	ug/l	95
32) 1,1,1-Trichloroethane	4.29	97	133824	46.379	ug/l	99
36) 1,1-Dichloropropene	4.47	75	103332	51.082	ug/l	98
37) Ethyl Acetate	4.30	43	46304	53.312	ug/l #	70
38) Carbon Tetrachloride	4.18	117	164672	56.864	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	80063	52.776	ug/l	96
40) Benzene	4.82	78	171546	49.449	ug/l	97
41) Methacrylonitrile	4.93	41	21933	47.850	ug/l	92
42) 1,2-Dichloroethane	5.13	62	134508	48.021	ug/l	99
43) Isopropyl Acetate	7.12	43	52548	58.756	ug/l #	98
44) Trichloroethene	5.69	130	65614	48.702	ug/l	93
45) 1,2-Dichloropropane	6.41	63	47612	51.289	ug/l #	89
46) Dibromomethane	6.26	93	44944	47.982	ug/l	92
47) Bromodichloromethane	6.55	83	128993	50.350	ug/l #	99
48) Methyl methacrylate	6.88	41	41184	59.191	ug/l	91
49) 1,4-Dioxane	6.88	88	6525	1280.784	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	253903	277.663	ug/l	98
52) Toluene	7.79	92	131066	51.298	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	109196	56.033	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	110267	54.826	ug/l	88
55) 1,1,2-Trichloroethane	8.64	97	47407	51.545	ug/l	94
56) Ethyl methacrylate	8.77	69	52937	52.321	ug/l #	82
57) 1,3-Dichloropropane	9.01	76	83942	53.152	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.79	63	31859	261.833	ug/l	100
59) 2-Hexanone	9.64	43	201037	311.226	ug/l	98
60) Dibromochloromethane	8.87	129	86560	50.166	ug/l	97
61) 1,2-Dibromoethane	9.15	107	59861	53.417	ug/l	99
64) Tetrachloroethene	8.32	164	68053	45.999	ug/l	95
65) Chlorobenzene	9.96	112	175601	50.445	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	87128	50.317	ug/l	96
67) Ethyl Benzene	10.04	91	326230	53.794	ug/l	96
68) m/p-Xylenes	10.28	106	221657	105.734	ug/l	98
69) o-Xylene	10.83	106	119784	53.938	ug/l	100
70) Styrene	10.91	104	181717	54.834	ug/l	98
71) Bromoform	10.89	173	56280	53.034	ug/l	95
73) Isopropylbenzene	11.24	105	398735	56.362	ug/l	99
74) N-amyl acetate	11.47	43	93613	53.267	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	65634	49.414	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	57841	50.700	ug/l	100
77) Bromobenzene	11.60	156	100947	52.469	ug/l	97
78) n-propylbenzene	11.69	91	460023	55.060	ug/l	99
79) 2-Chlorotoluene	11.82	91	277611	52.527	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	351261	53.469	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	35537	86.722	ug/l #	87
82) 4-Chlorotoluene	12.00	91	303009	52.801	ug/l	100
83) tert-Butylbenzene	12.22	119	353506	55.282	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	368321	54.514	ug/l	99
85) sec-Butylbenzene	12.40	105	448890	52.832	ug/l	95
86) p-Isopropyltoluene	12.55	119	409627	57.360	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	186833	51.252	ug/l	96
88) 1,4-Dichlorobenzene	12.66	146	178902	49.991	ug/l	96
89) n-Butylbenzene	12.92	91	391564	57.532	ug/l	98
90) Hexachloroethane	13.00	117	95764	48.595	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	184967	52.727	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	19663	58.722	ug/l	93

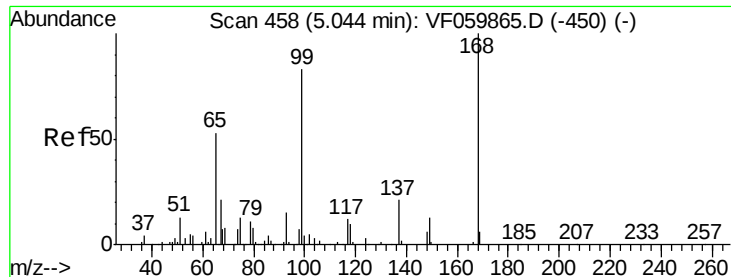
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF081018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	152804	57.371	ug/l	95
94) Hexachlorobutadiene	14.26	225	104287	55.427	ug/l	98
95) Naphthalene	14.53	128	268875	58.309	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	144362	54.885	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

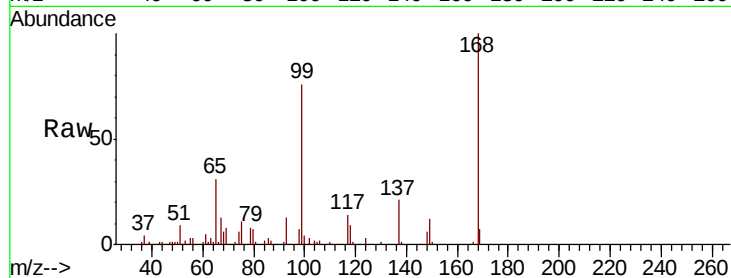
BFB

Tgt Ion:168 Resp: 127779

Ion Ratio Lower Upper

168 100

99 75.7 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

40000

30000

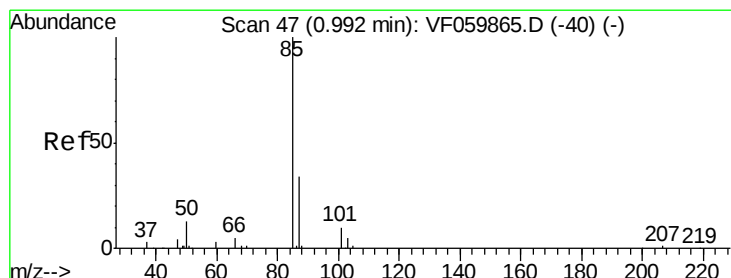
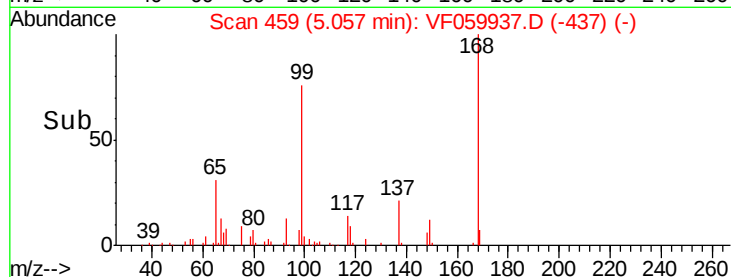
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 47.630 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059937.D

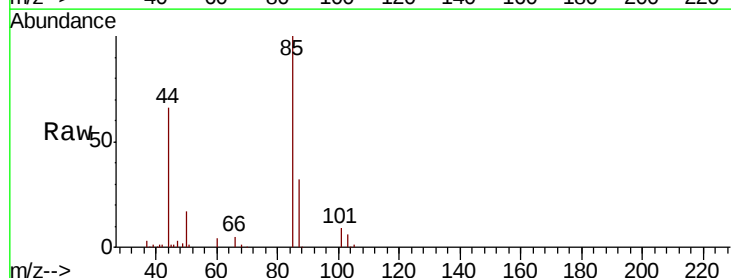
Acq: 10 Aug 2018 11:24

Tgt Ion: 85 Resp: 103989

Ion Ratio Lower Upper

85 100

87 31.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

30000

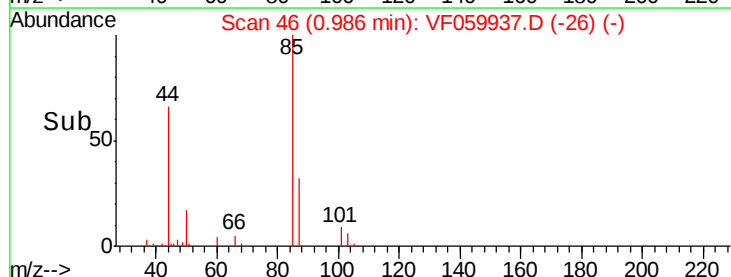
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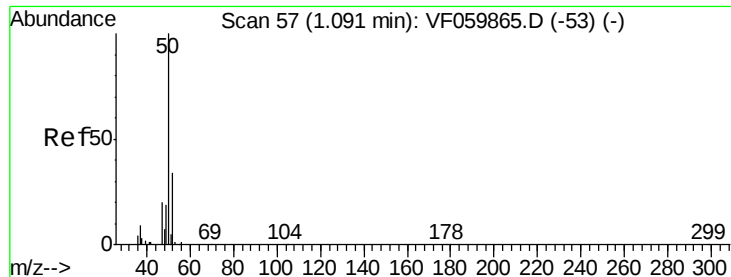
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 47.120 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampled :

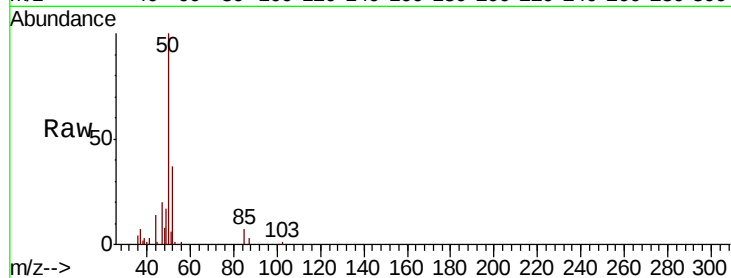
BFB

Tgt Ion: 50 Resp: 47586

Ion Ratio Lower Upper

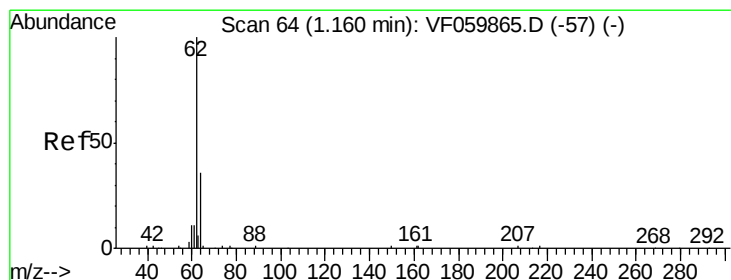
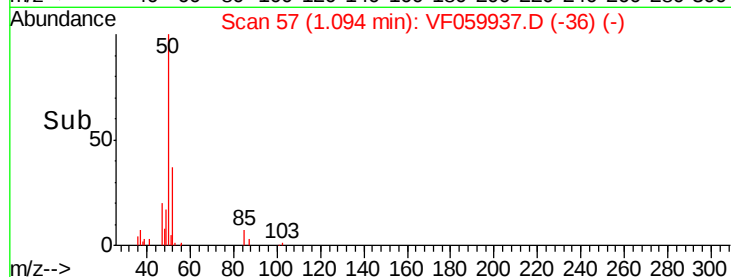
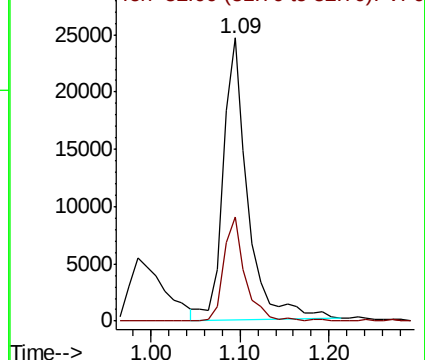
50 100

52 36.6 25.8 38.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 51.669 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059937.D

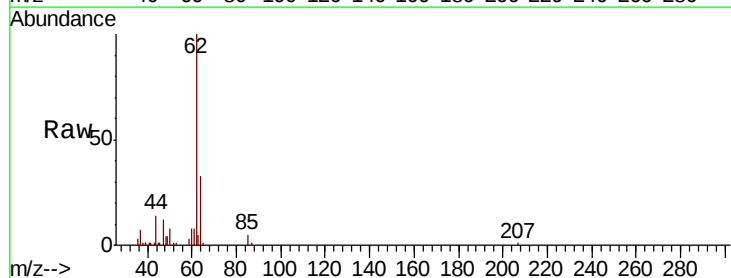
Acq: 10 Aug 2018 11:24

Tgt Ion: 62 Resp: 53456

Ion Ratio Lower Upper

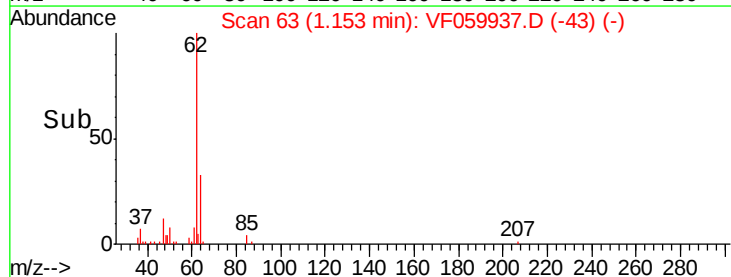
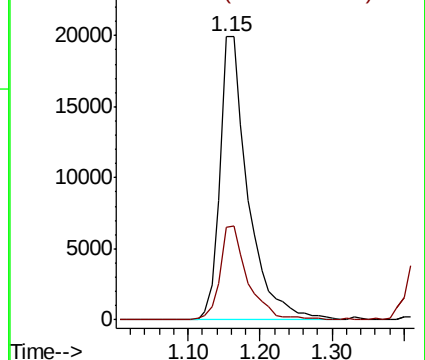
62 100

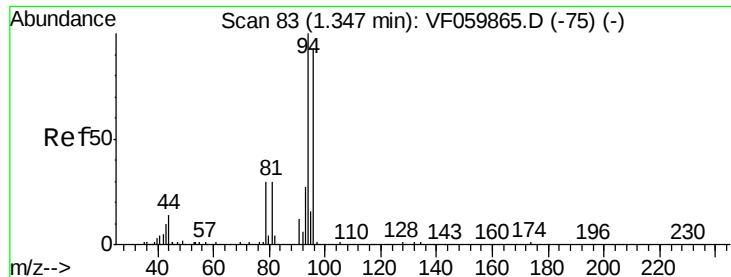
64 32.8 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 44.880 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

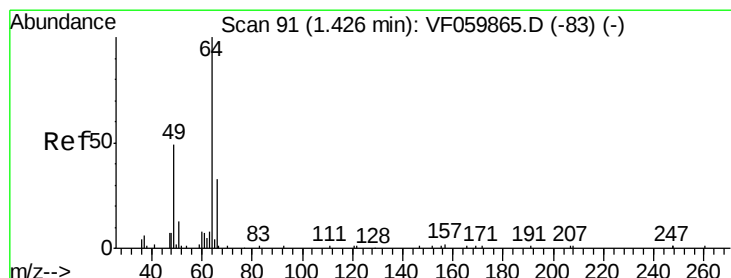
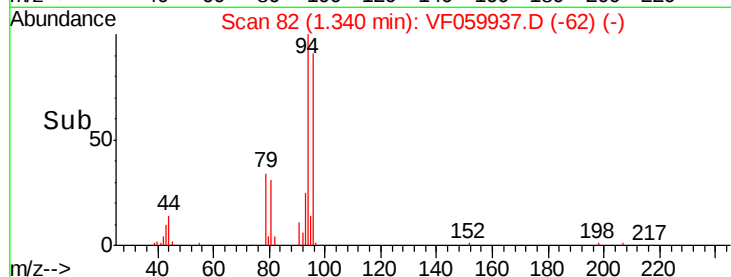
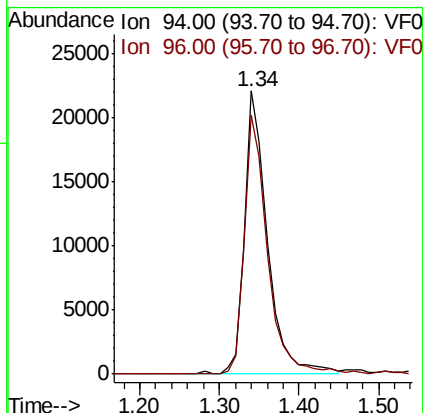
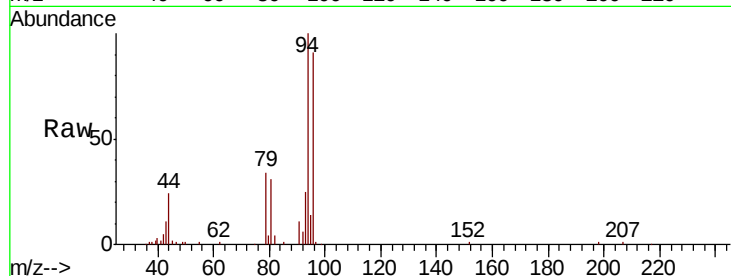
BFB

Tgt Ion: 94 Resp: 43827

Ion Ratio Lower Upper

94 100

96 92.7 73.8 110.8



#6

Chloroethane

Concen: 49.573 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059937.D

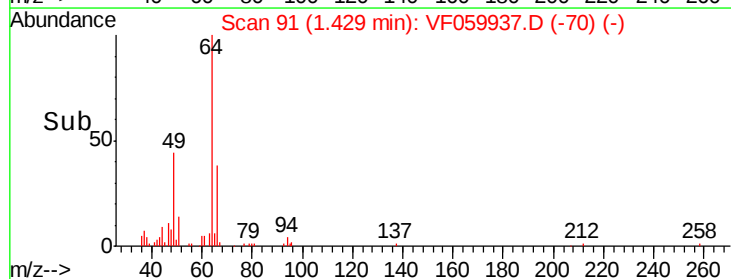
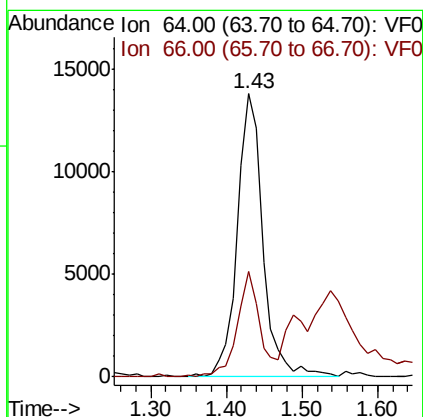
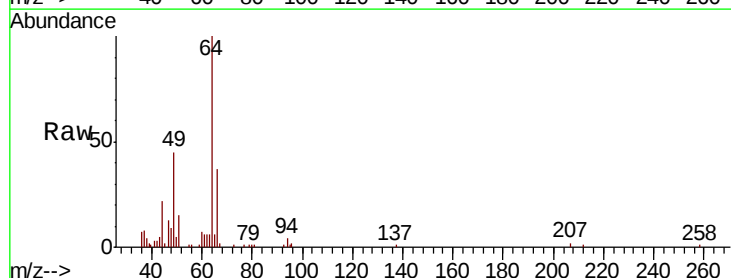
Acq: 10 Aug 2018 11:24

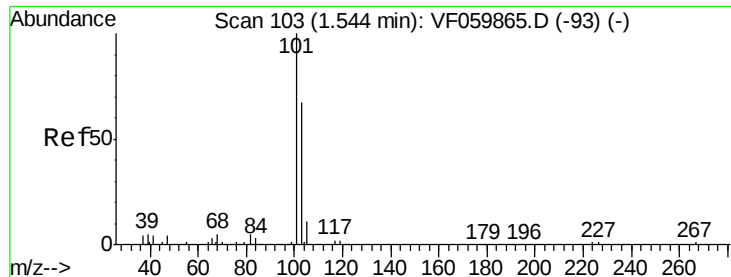
Tgt Ion: 64 Resp: 32213

Ion Ratio Lower Upper

64 100

66 37.3 26.9 40.3



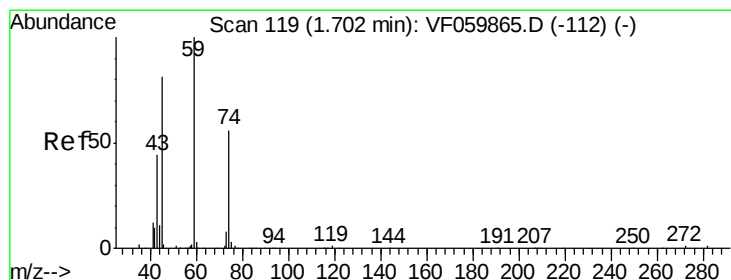
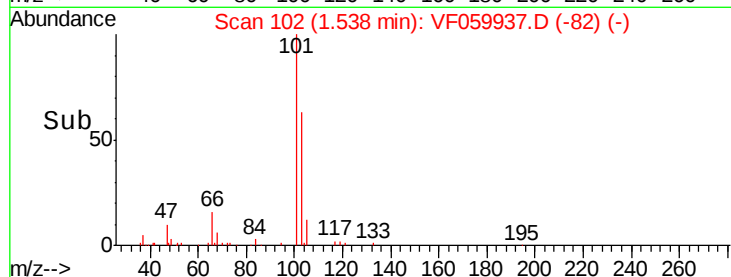
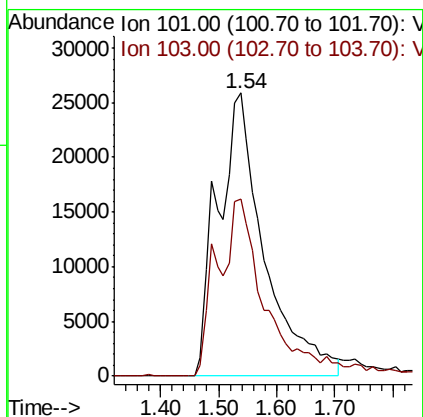
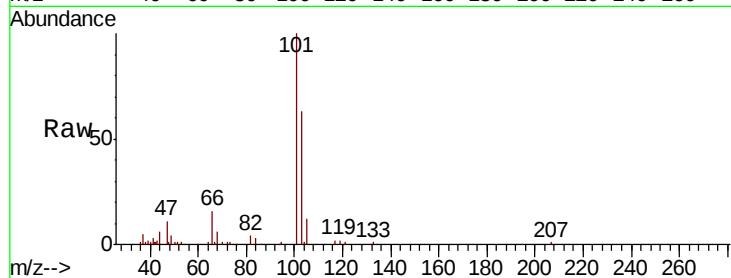


#7

Trichlorofluoromethane
Concen: 50.859 ug/l
RT: 1.54 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
BFB

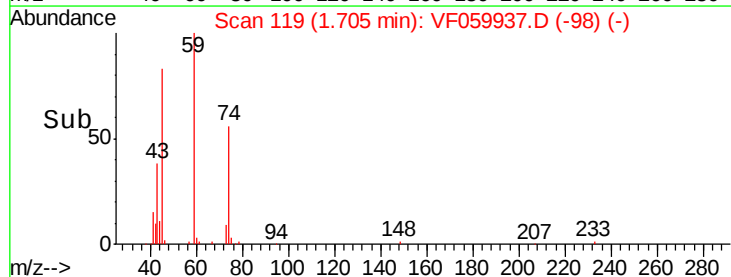
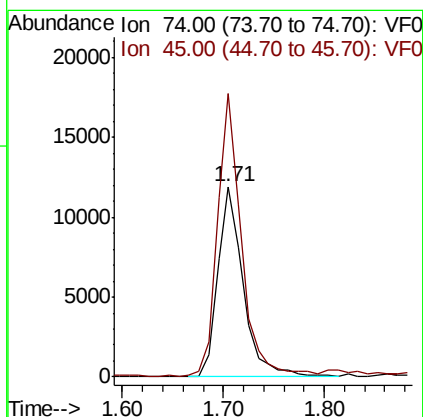
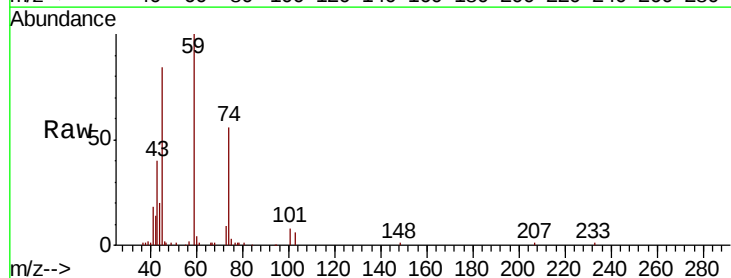
Tgt Ion:101 Resp: 144010
Ion Ratio Lower Upper
101 100
103 62.6 53.6 80.4

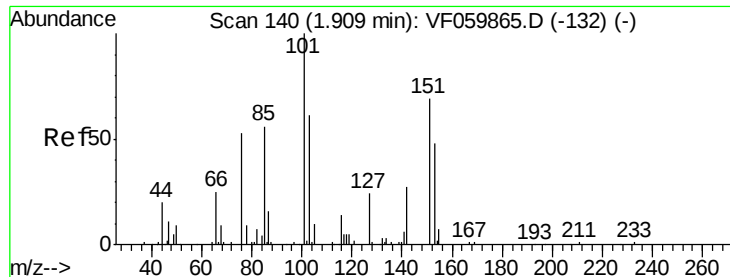


#8

Diethyl Ether
Concen: 46.493 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion: 74 Resp: 20891
Ion Ratio Lower Upper
74 100
45 149.0 73.6 220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.282 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

BFB

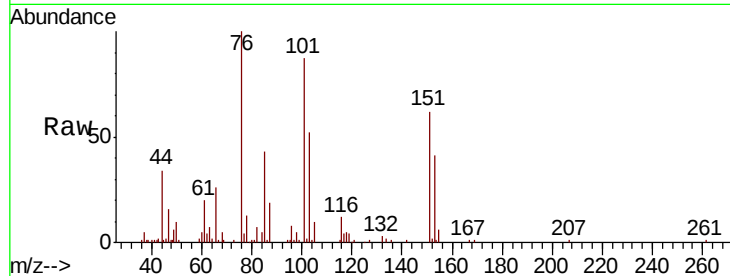
Tgt Ion:101 Resp: 69194

Ion Ratio Lower Upper

101 100

85 49.0 44.5 66.7

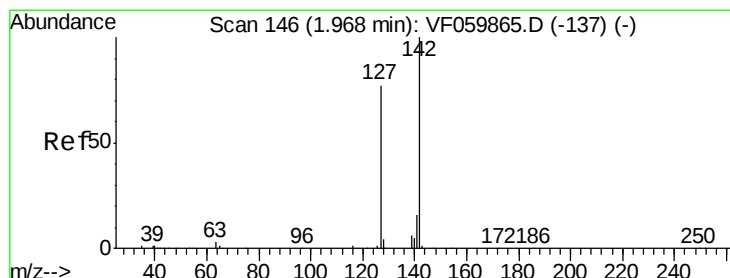
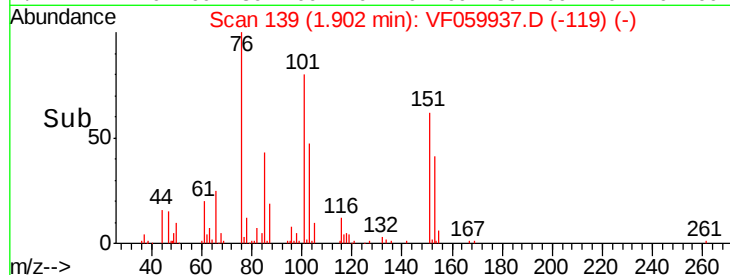
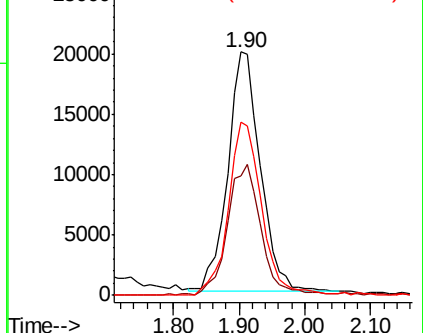
151 71.2 53.8 80.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 47.352 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

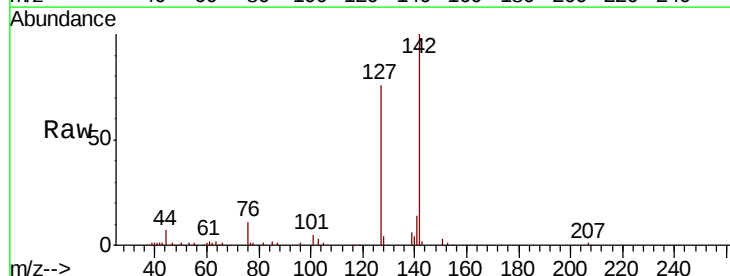
Tgt Ion:142 Resp: 113671

Ion Ratio Lower Upper

142 100

127 75.8 61.5 92.3

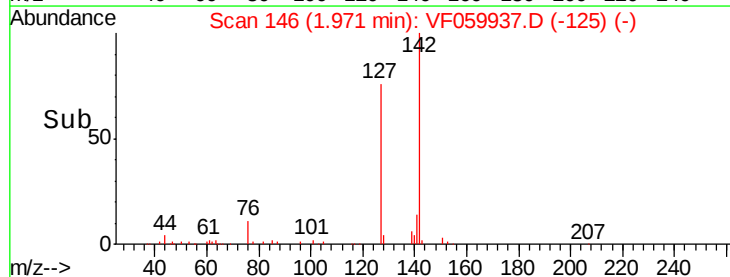
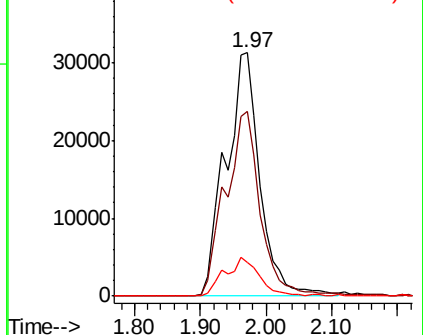
141 13.8 13.0 19.4

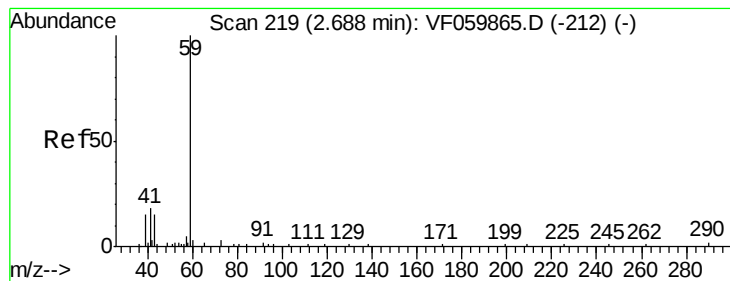


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



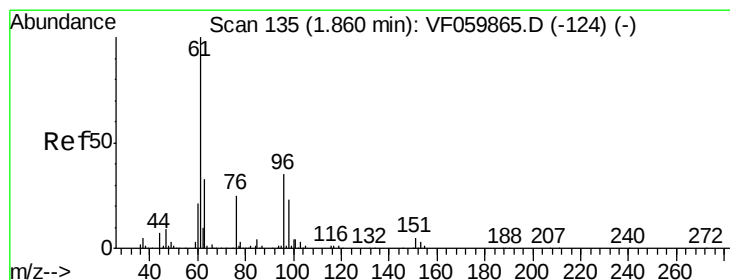
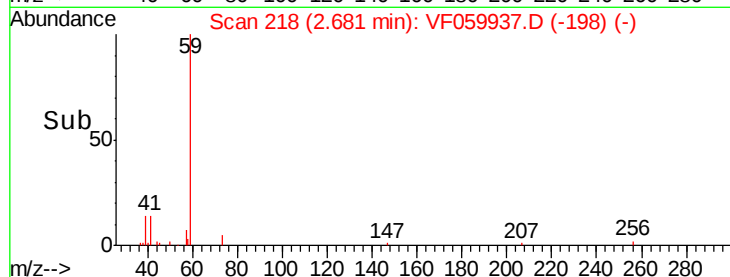
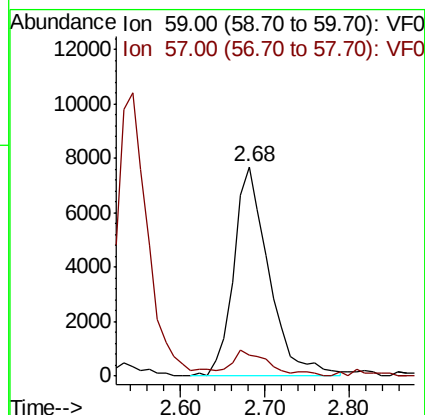
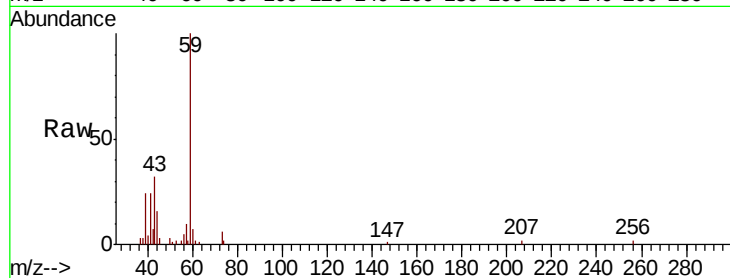


#11

Tert butyl alcohol
 Concen: 241.421 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

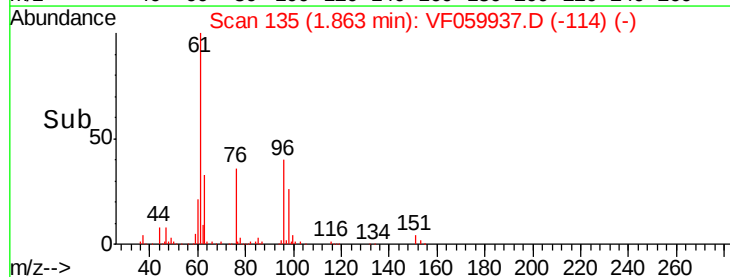
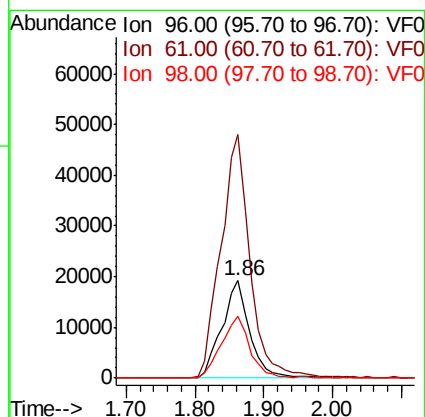
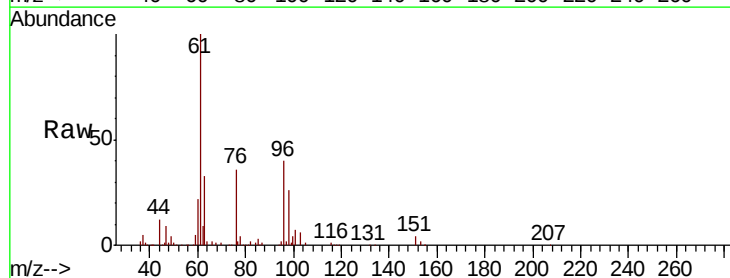
Tgt Ion: 59 Resp: 22433
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.6 11.4

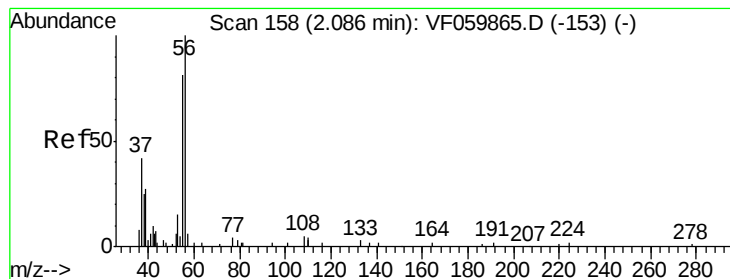


#12

1,1-Dichloroethene
 Concen: 47.091 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion: 96 Resp: 53750
 Ion Ratio Lower Upper
 96 100
 61 250.5 230.2 345.2
 98 63.9 52.7 79.1





#13

Acrolein

Concen: 231.187 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

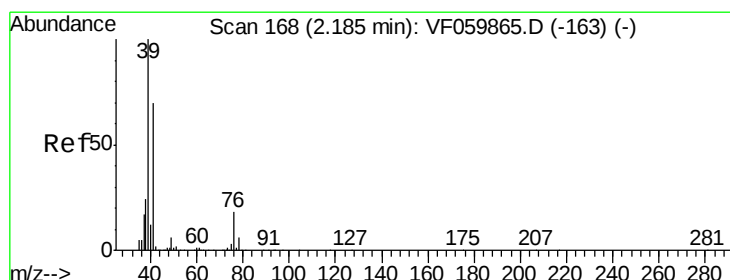
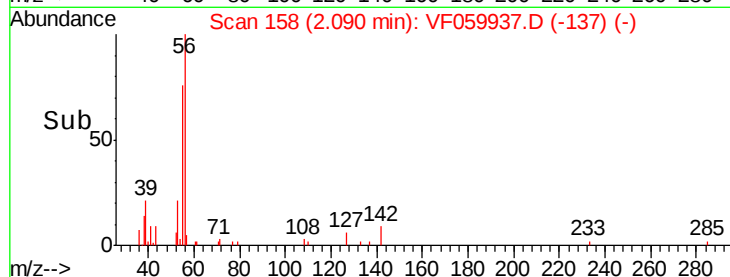
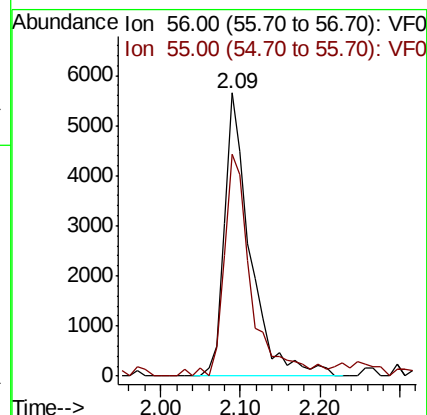
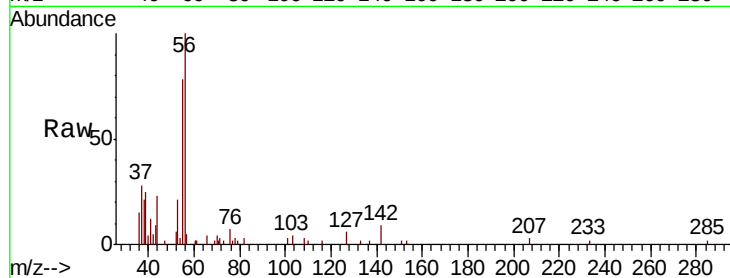
BFB

Tgt Ion: 56 Resp: 12874

Ion Ratio Lower Upper

56 100

55 78.2 64.6 96.8



#14

Allyl chloride

Concen: 46.342 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

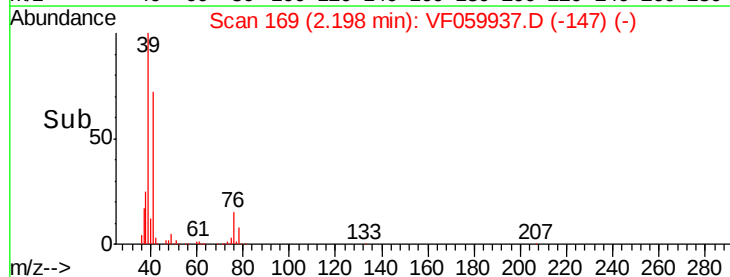
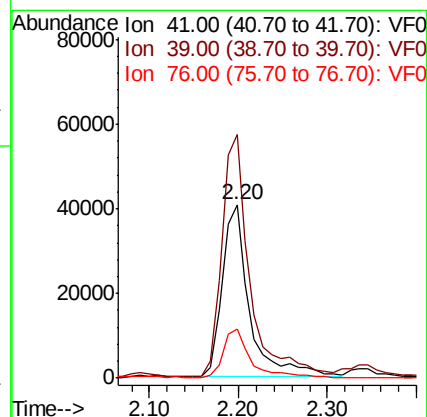
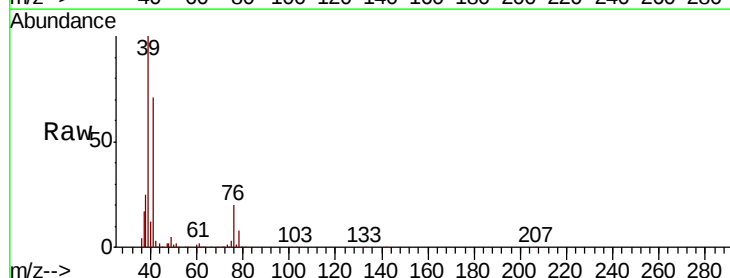
Tgt Ion: 41 Resp: 88188

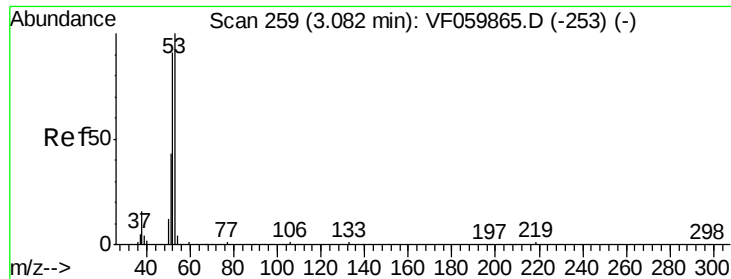
Ion Ratio Lower Upper

41 100

39 140.0 114.6 171.8

76 28.4 21.0 31.4





#15

Acrylonitrile

Concen: 214.998 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

BFB

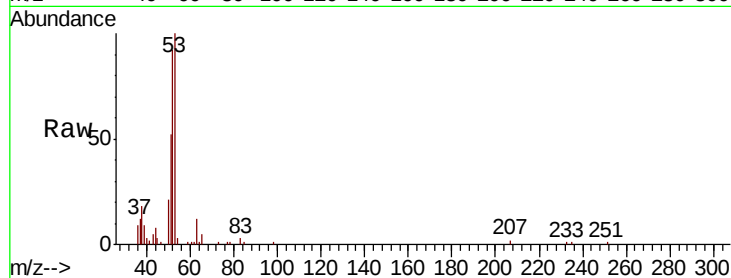
Tgt Ion: 53 Resp: 36608

Ion Ratio Lower Upper

53 100

52 92.1 72.9 109.3

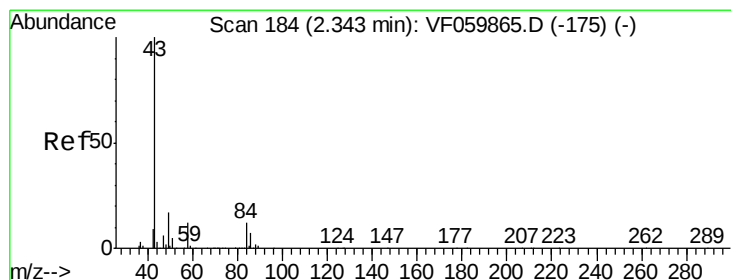
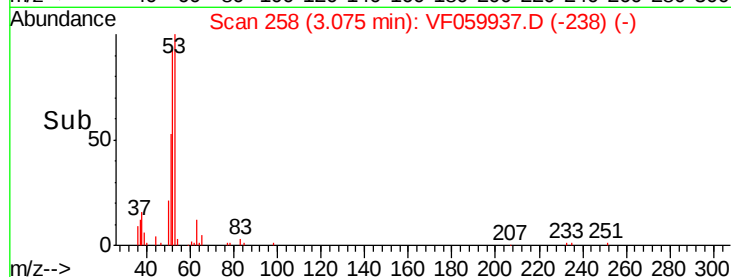
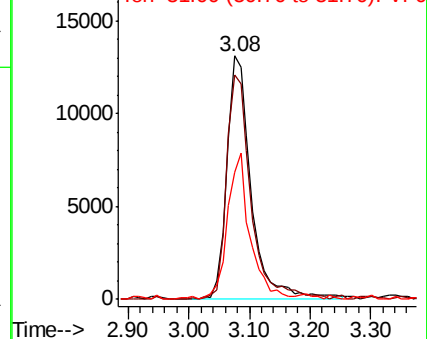
51 52.4 34.5 51.7#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 339.786 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059937.D

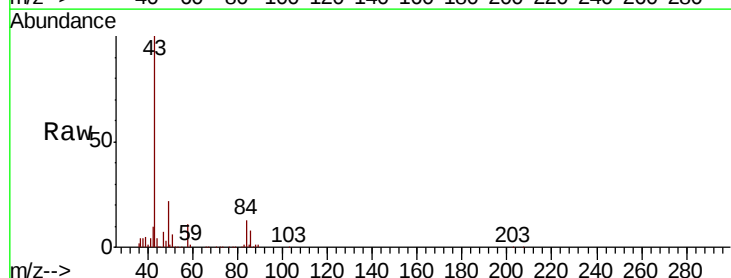
Acq: 10 Aug 2018 11:24

Tgt Ion: 43 Resp: 144502

Ion Ratio Lower Upper

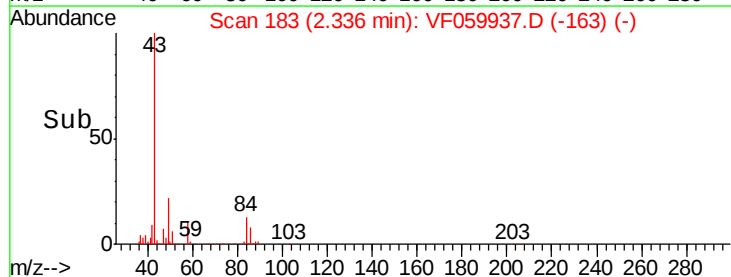
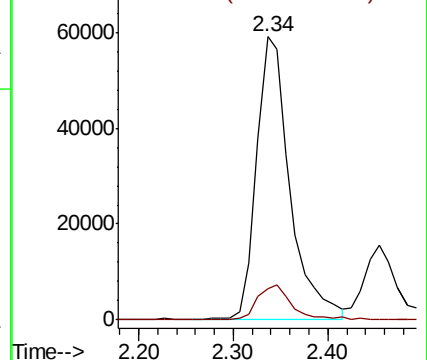
43 100

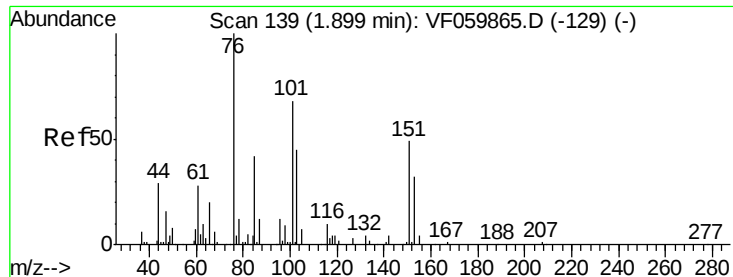
58 11.1 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 46.752 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

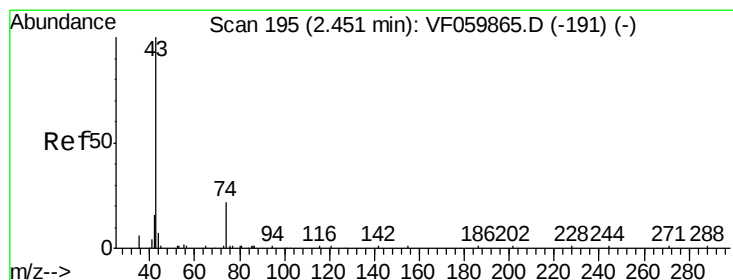
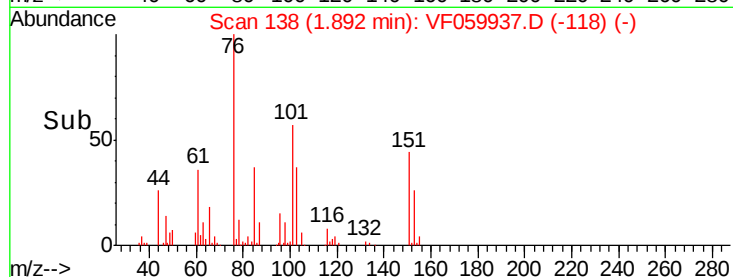
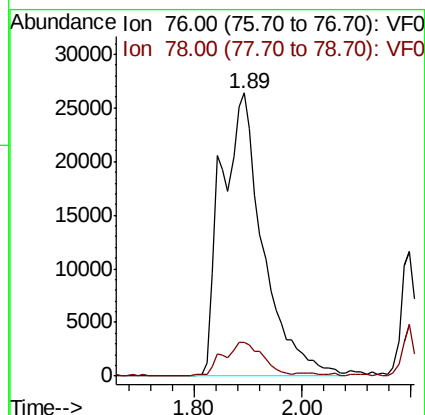
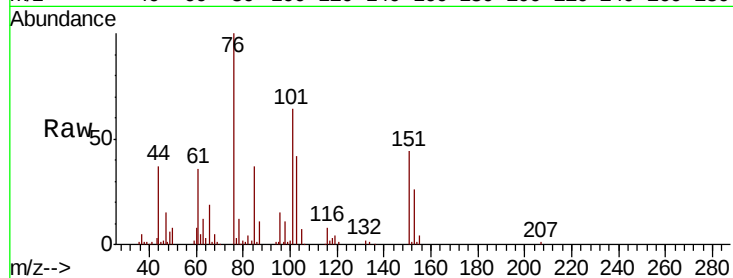
BFB

Tgt Ion: 76 Resp: 142453

Ion Ratio Lower Upper

76 100

78 12.1 9.3 13.9



#18

Methyl Acetate

Concen: 47.017 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059937.D

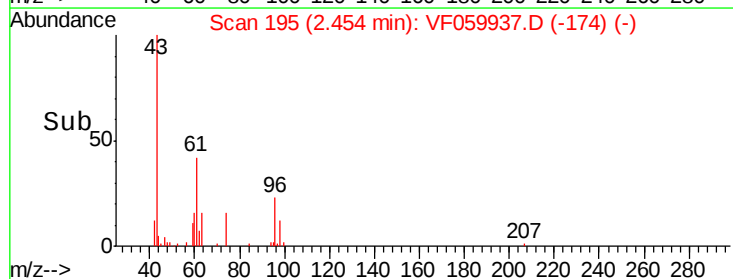
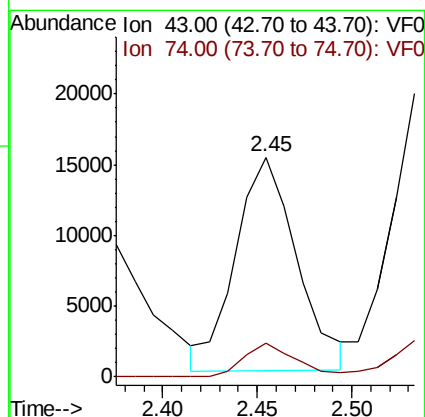
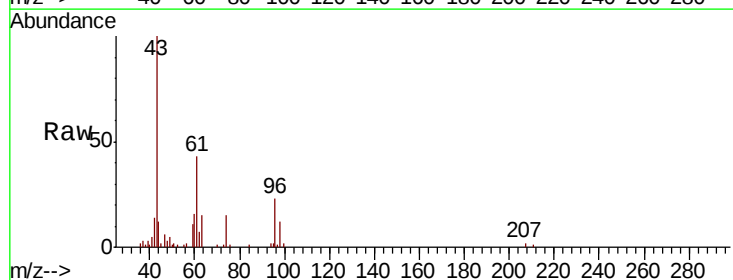
Acq: 10 Aug 2018 11:24

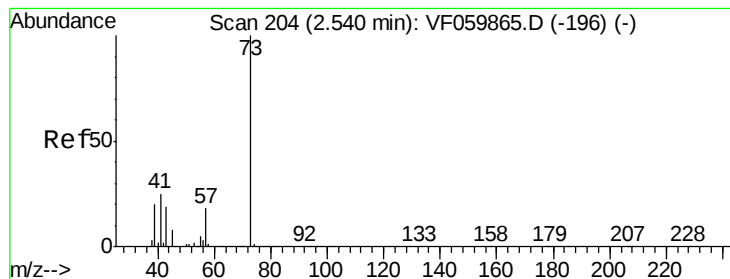
Tgt Ion: 43 Resp: 33731

Ion Ratio Lower Upper

43 100

74 15.5 16.3 24.5#





#19

Methyl tert-butyl Ether

Concen: 49.113 ug/l

RT: 2.54 min Scan# 204

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

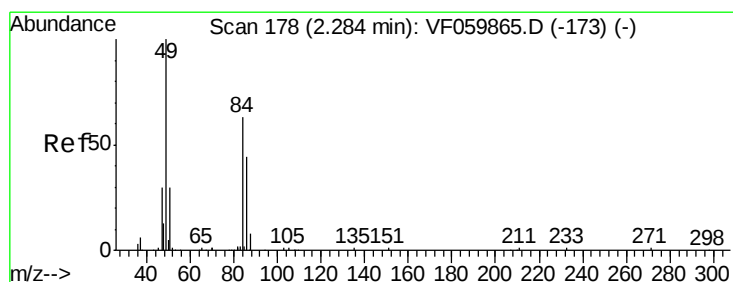
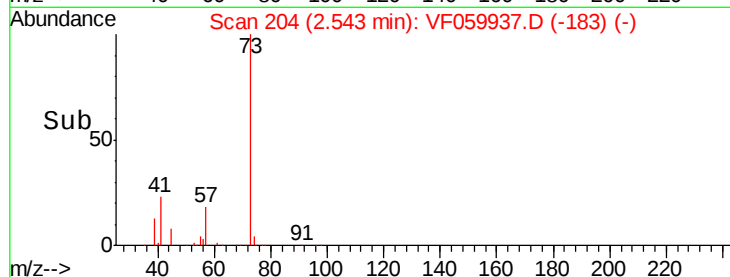
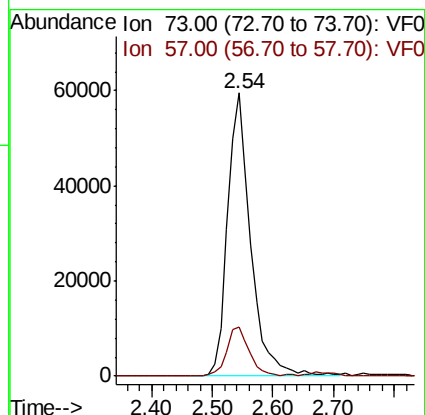
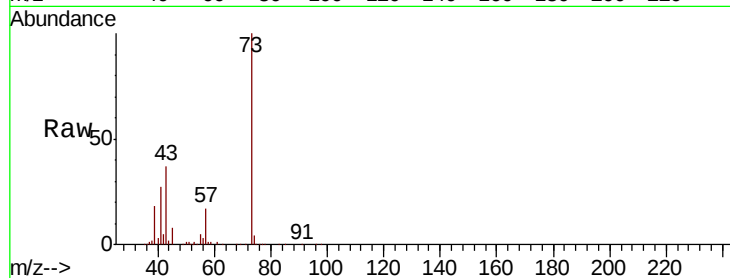
BFB

Tgt Ion: 73 Resp: 158710

Ion Ratio Lower Upper

73 100

57 17.5 14.3 21.5



#20

Methylene Chloride

Concen: 20.323 ug/l

RT: 2.29 min Scan# 178

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Tgt Ion: 84 Resp: 25277

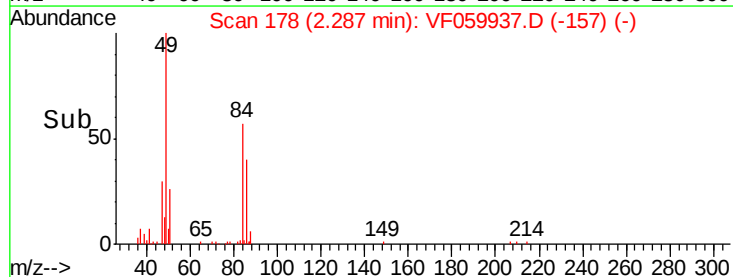
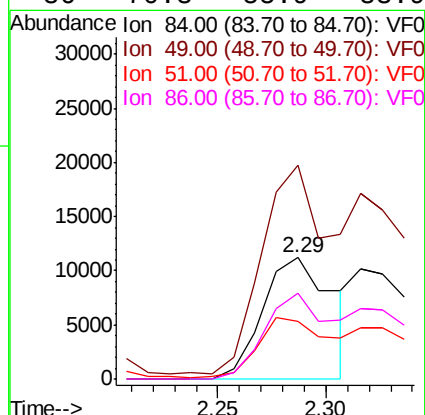
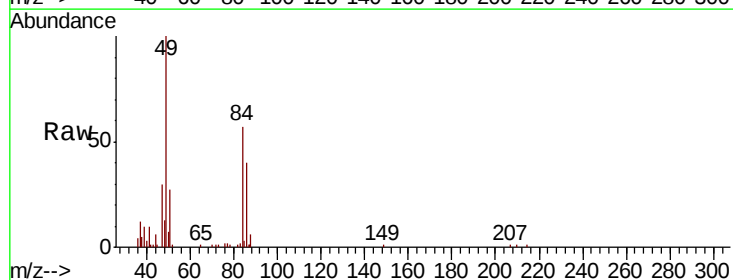
Ion Ratio Lower Upper

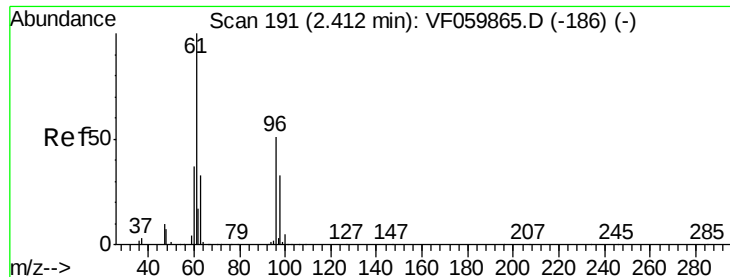
84 100

49 176.1 128.7 193.1

51 47.7 39.3 58.9

86 70.3 55.9 83.9





#21

trans-1,2-Dichloroethene

Concen: 43.671 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

BFB

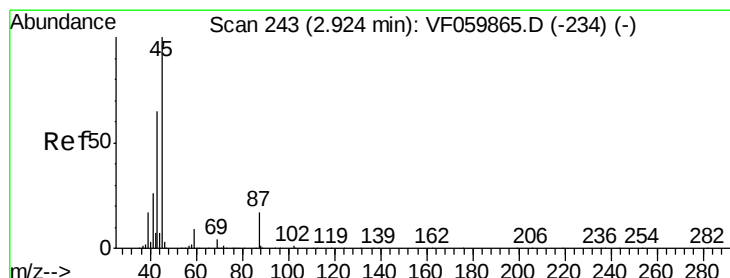
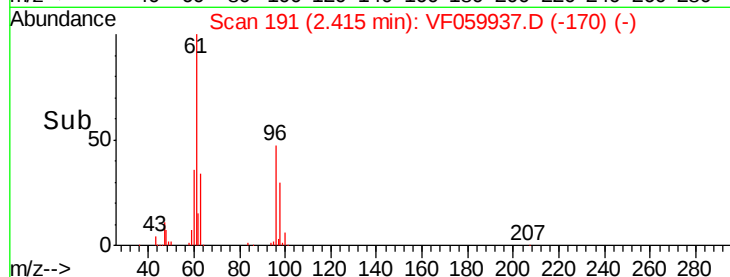
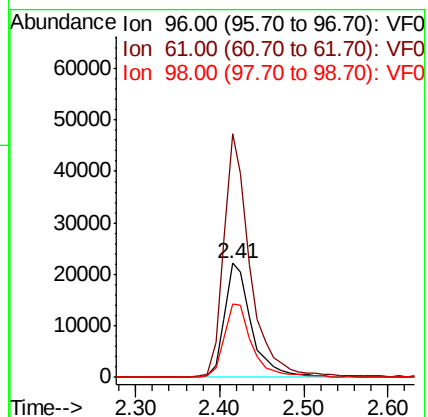
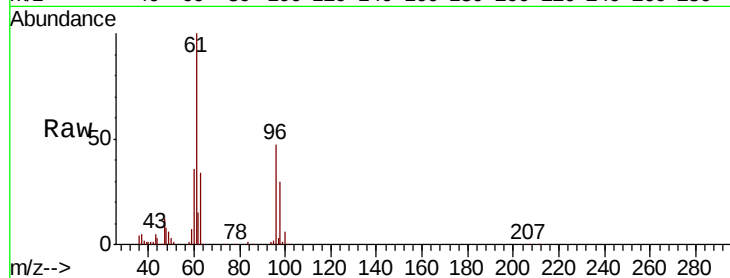
Tgt Ion: 96 Resp: 49515

Ion Ratio Lower Upper

96 100

61 213.7 158.2 237.4

98 64.0 52.0 78.0



#22

Diisopropyl ether

Concen: 46.985 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Tgt Ion: 45 Resp: 172010

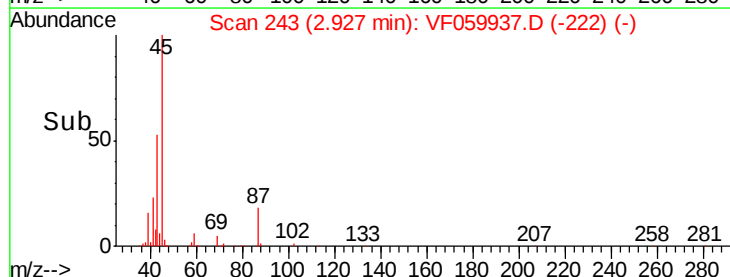
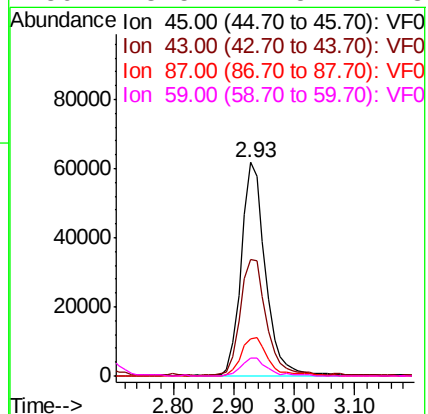
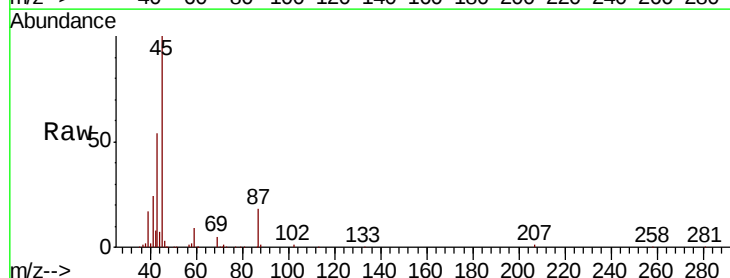
Ion Ratio Lower Upper

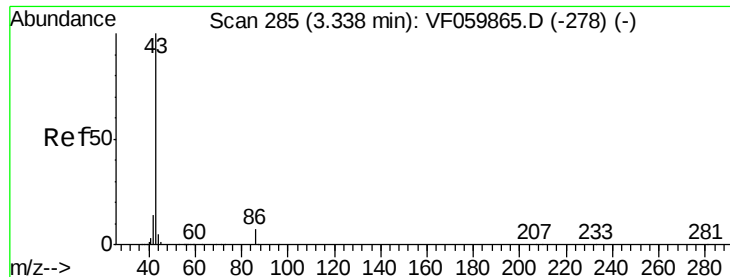
45 100

43 54.4 52.1 78.1

87 17.6 13.8 20.8

59 8.5 7.5 11.3





#23

Vinyl Acetate

Concen: 264.399 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

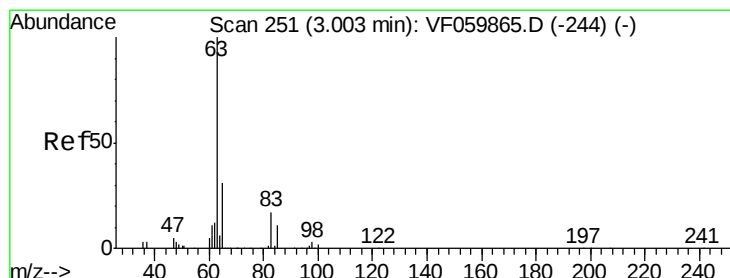
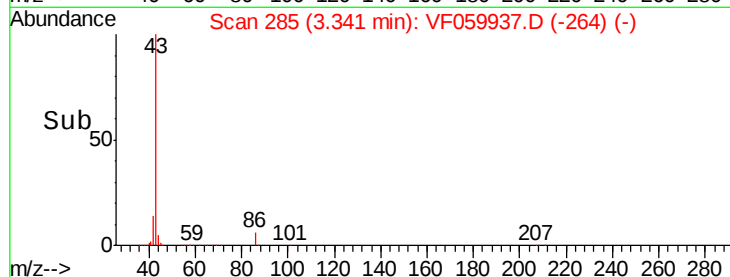
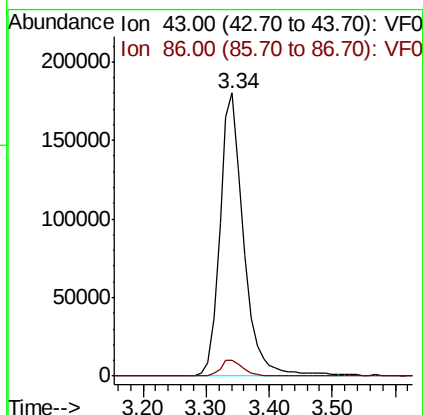
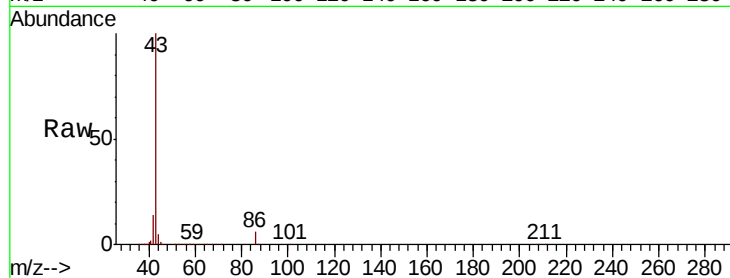
BFB

Tgt Ion: 43 Resp: 468578

Ion Ratio Lower Upper

43 100

86 5.5 5.6 8.4#



#24

1,1-Dichloroethane

Concen: 45.170 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

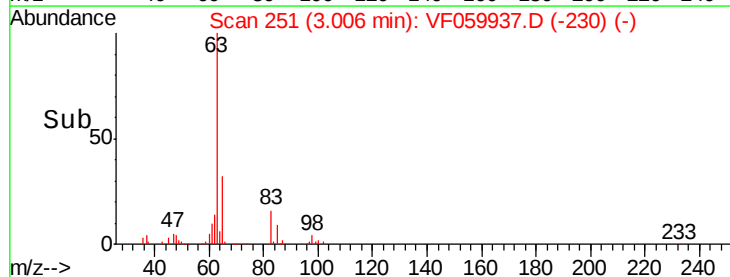
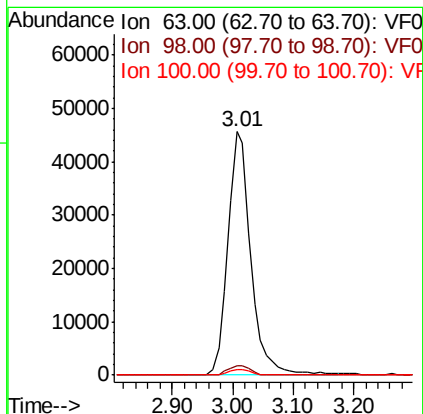
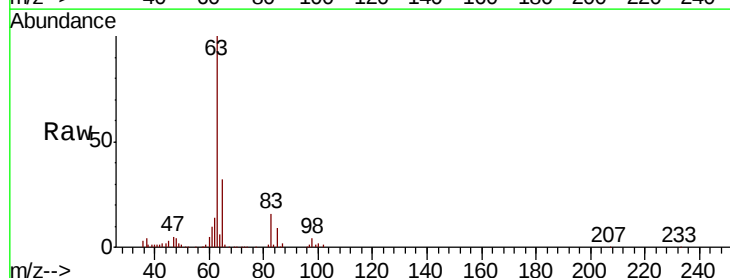
Tgt Ion: 63 Resp: 120427

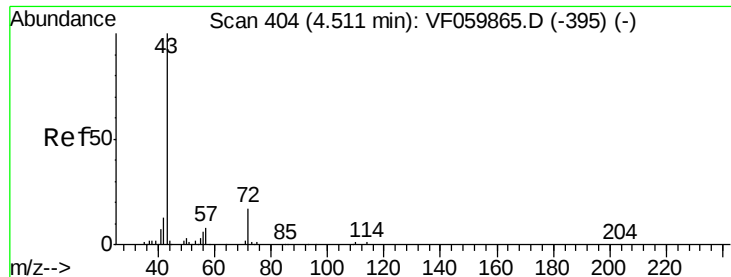
Ion Ratio Lower Upper

63 100

98 3.7 1.9 5.7

100 2.0 1.1 3.5





#25

2-Butanone

Concen: 273.975 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

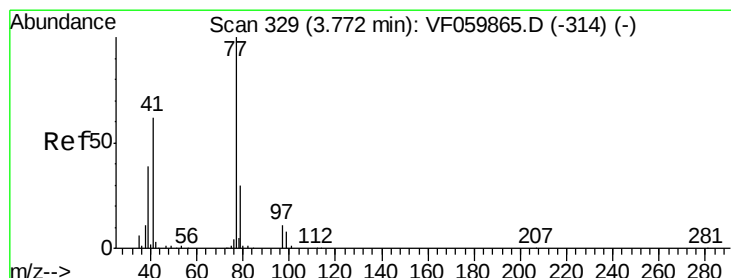
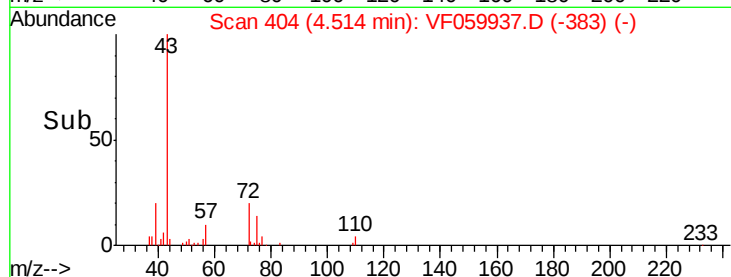
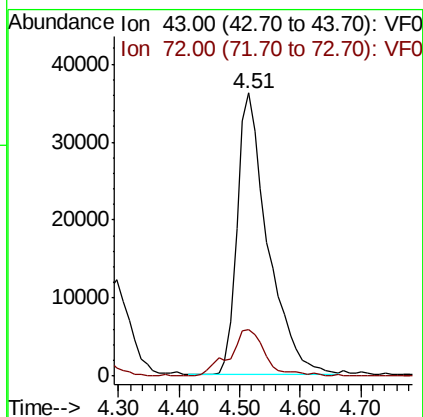
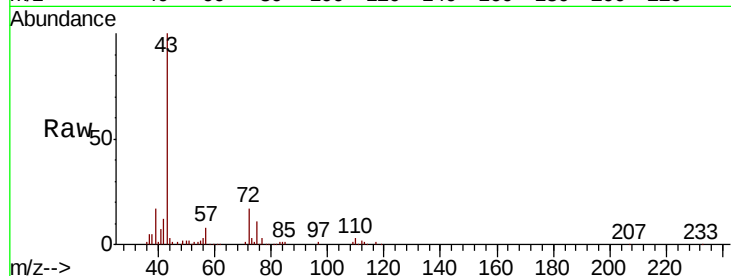
BFB

Tgt Ion: 43 Resp: 126692

Ion Ratio Lower Upper

43 100

72 16.6 13.9 20.9



#26

2,2-Dichloropropane

Concen: 51.828 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059937.D

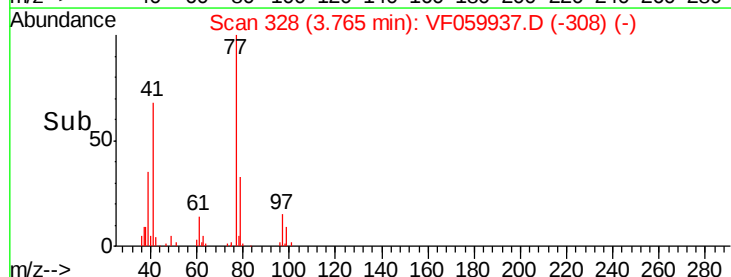
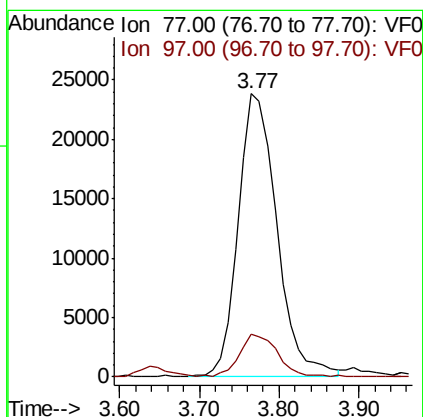
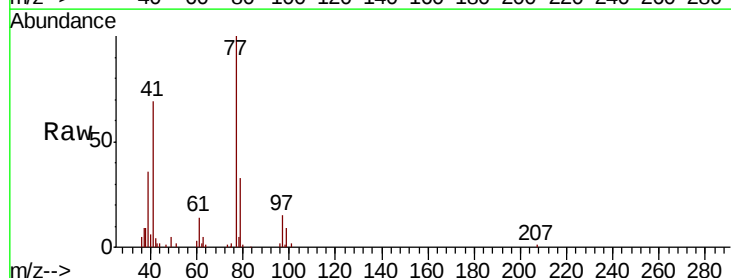
Acq: 10 Aug 2018 11:24

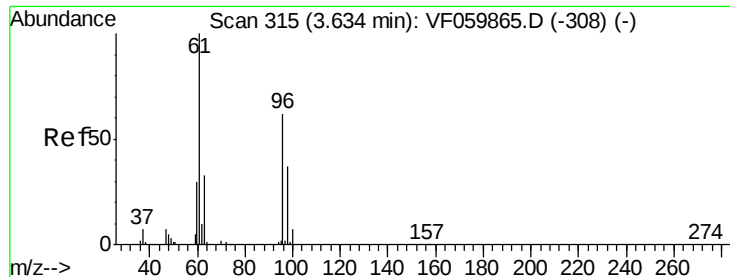
Tgt Ion: 77 Resp: 80439

Ion Ratio Lower Upper

77 100

97 15.0 6.8 20.3



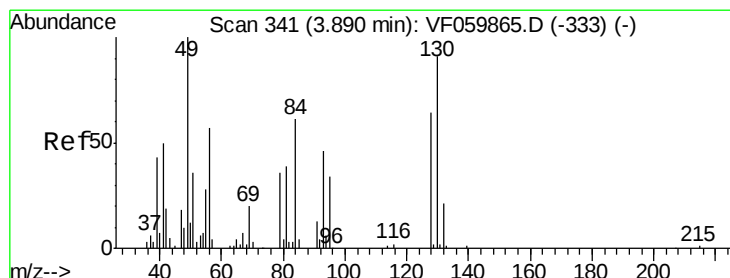
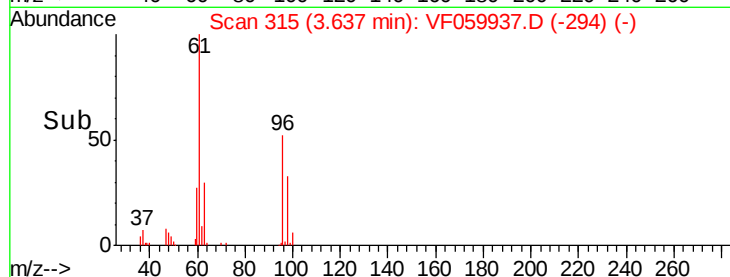
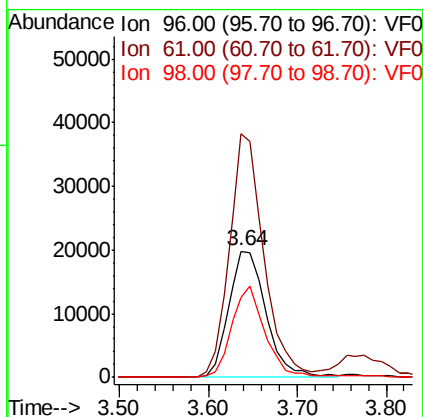
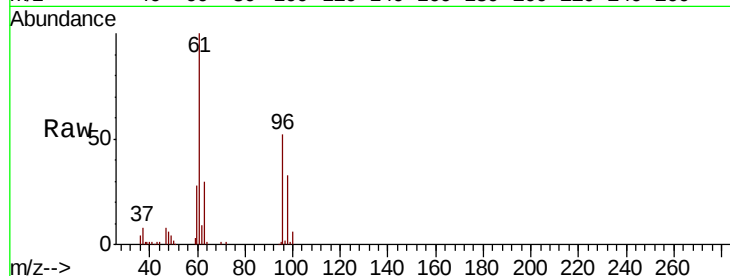


#27

cis-1,2-Dichloroethene
Concen: 45.566 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampled :
BFB

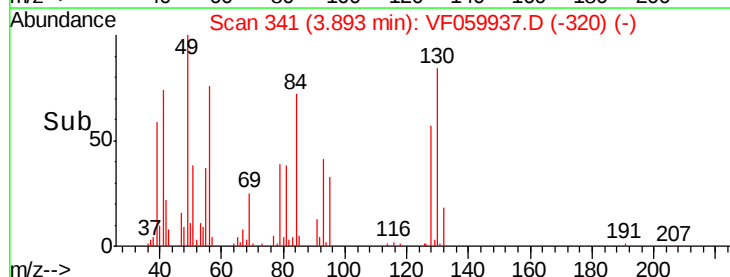
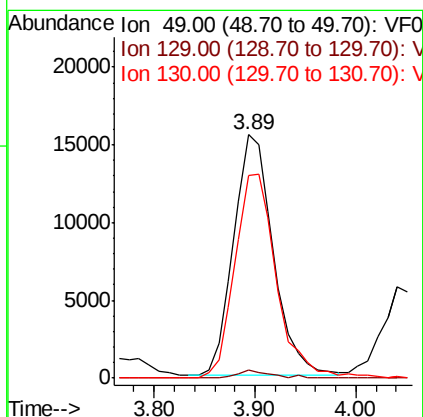
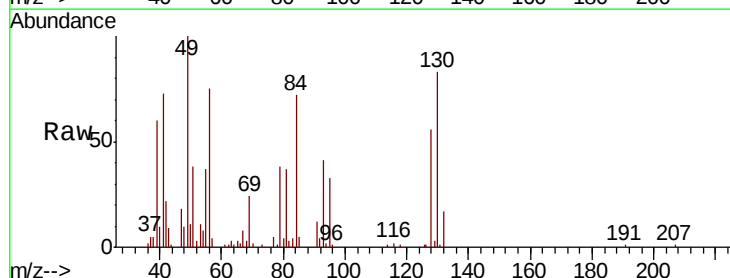
Tgt Ion: 96 Resp: 58091
Ion Ratio Lower Upper
96 100
61 193.2 0.0 320.8
98 63.3 0.0 117.6

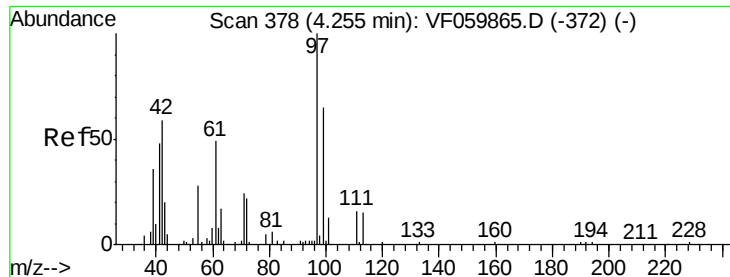


#28

Bromochloromethane
Concen: 45.209 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion: 49 Resp: 42560
Ion Ratio Lower Upper
49 100
129 3.3 0.0 4.6
130 84.6 73.8 110.8





#29

Tetrahydrofuran

Concen: 241.684 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

BFB

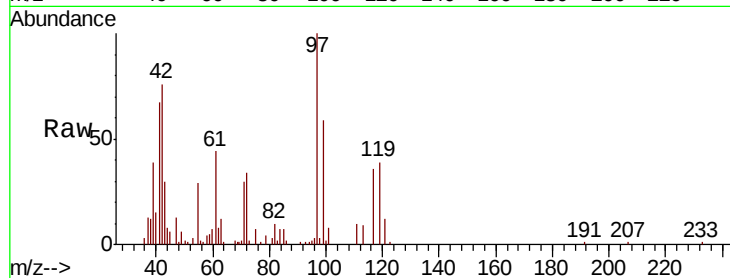
Tgt Ion: 42 Resp: 41143

Ion Ratio Lower Upper

42 100

72 37.5 29.3 43.9

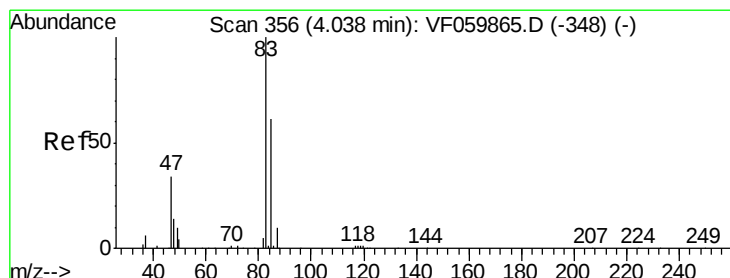
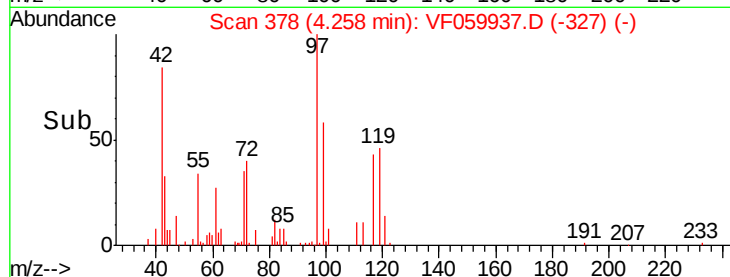
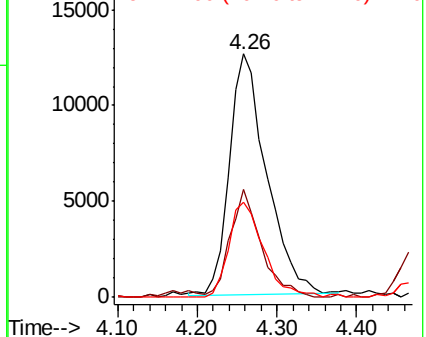
71 36.7 30.0 45.0



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



#30

Chloroform

Concen: 43.708 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.01 min

Lab File: VF059937.D

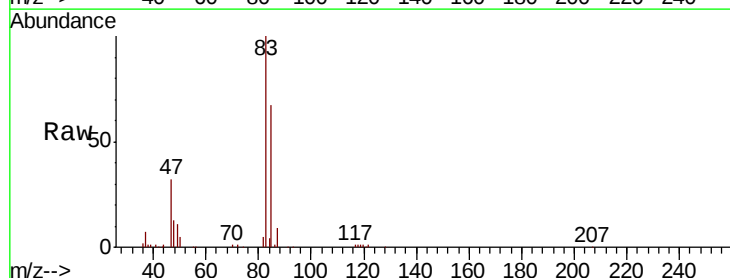
Acq: 10 Aug 2018 11:24

Tgt Ion: 83 Resp: 157647

Ion Ratio Lower Upper

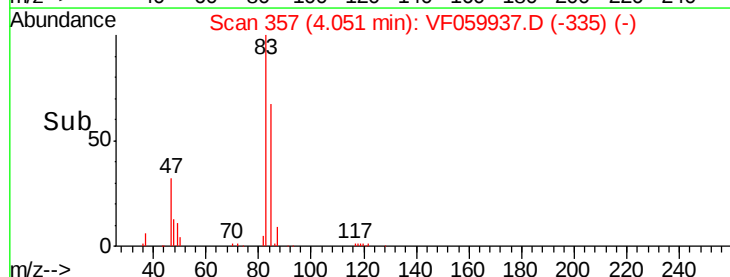
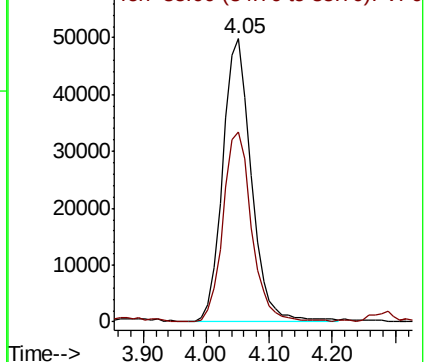
83 100

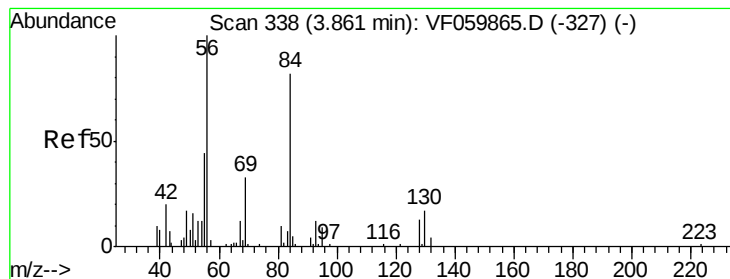
85 66.9 49.3 73.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 48.497 ug/l

RT: 3.88 min Scan# 340

Delta R.T. 0.02 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

BFB

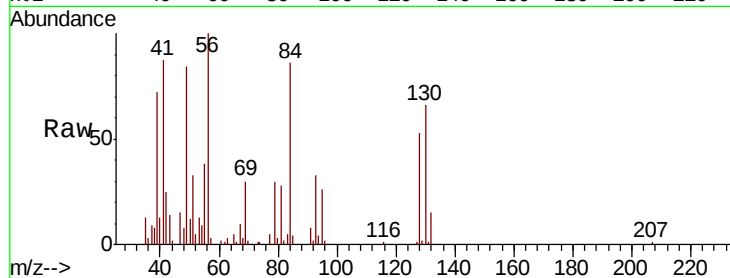
Tgt Ion: 56 Resp: 63994

Ion Ratio Lower Upper

56 100

69 30.2 26.7 40.1

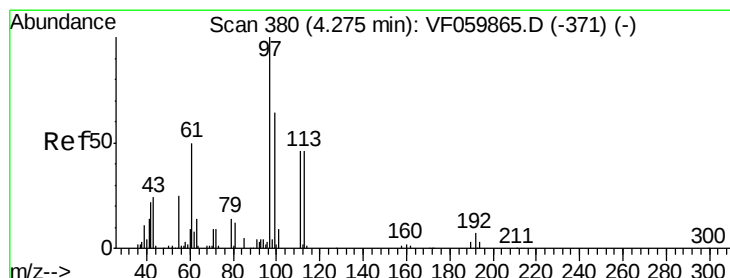
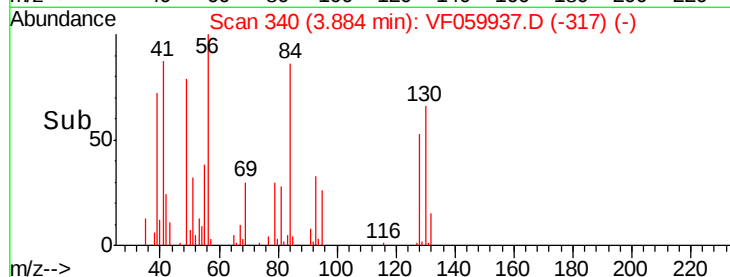
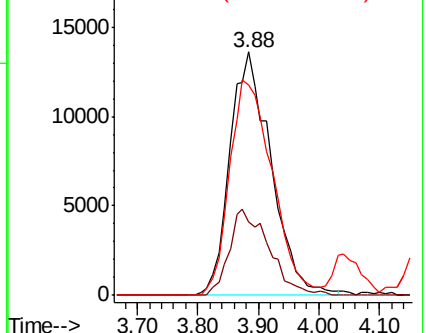
84 86.3 65.9 98.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 46.379 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

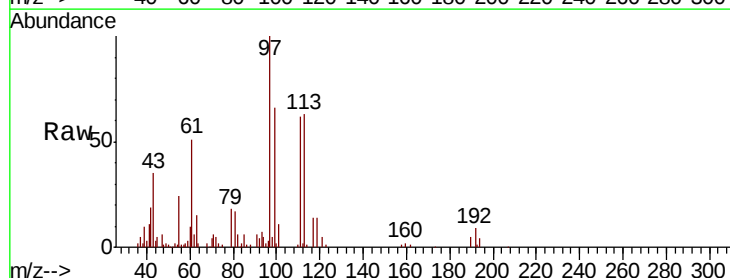
Tgt Ion: 97 Resp: 133824

Ion Ratio Lower Upper

97 100

99 66.3 51.4 77.2

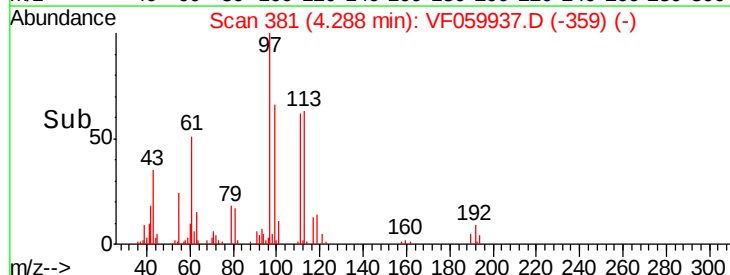
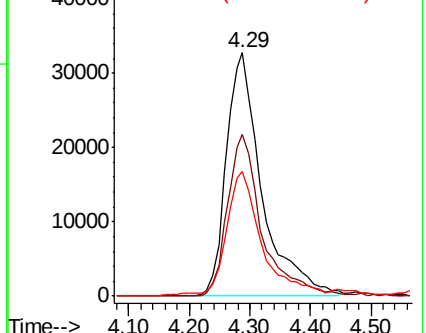
61 51.0 40.8 61.2

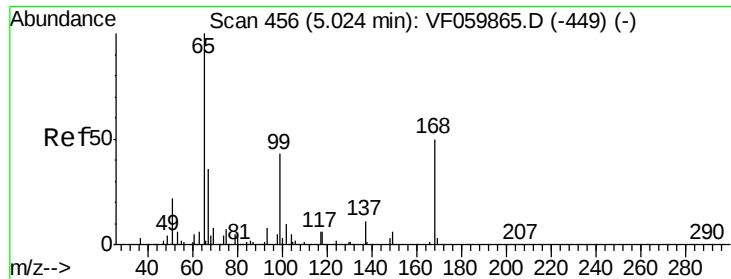


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 44.936 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

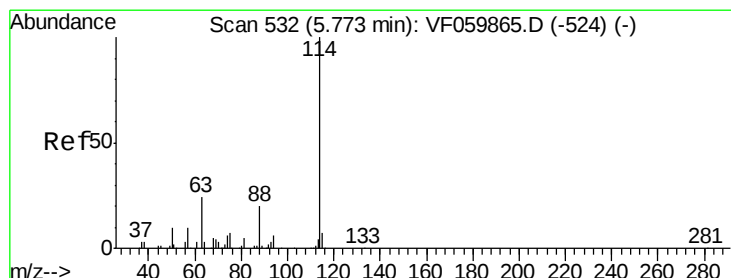
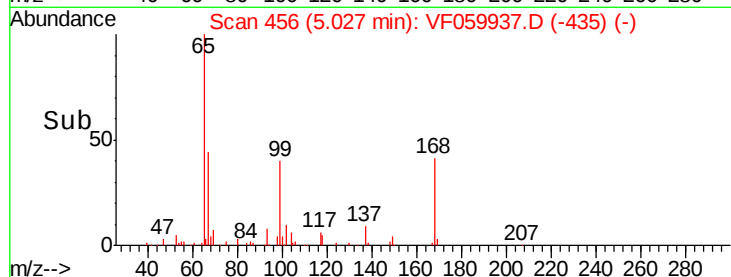
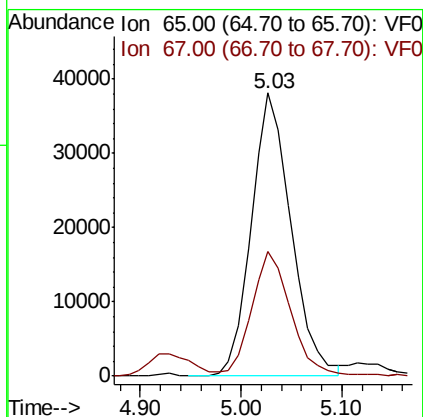
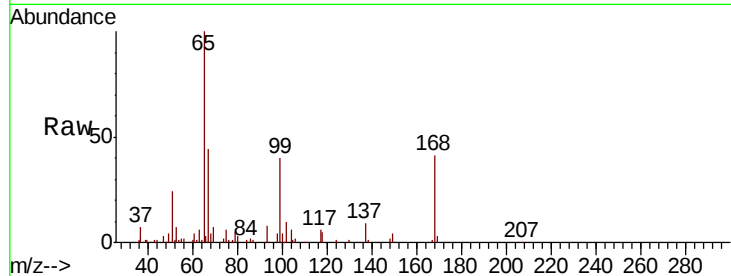
BFB

Tgt Ion: 65 Resp: 103516

Ion Ratio Lower Upper

65 100

67 43.9 0.0 77.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

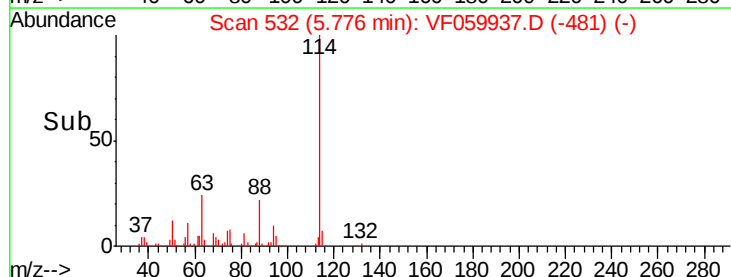
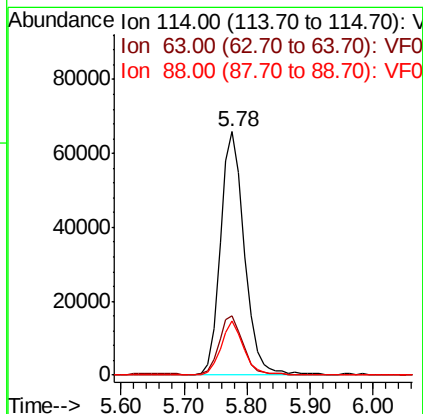
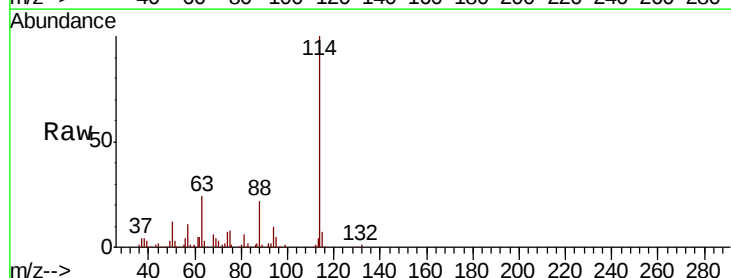
Tgt Ion: 114 Resp: 174887

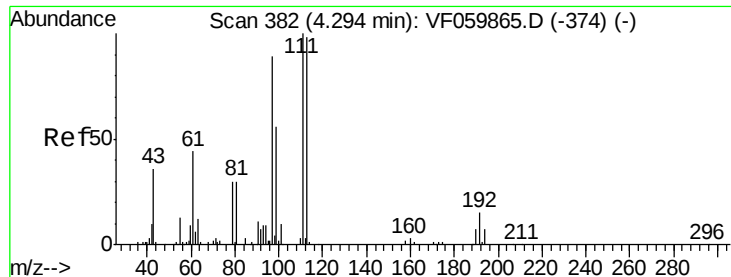
Ion Ratio Lower Upper

114 100

63 24.4 0.0 48.0

88 22.4 0.0 39.4





#35

Dibromofluoromethane

Concen: 49.569 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

BFB

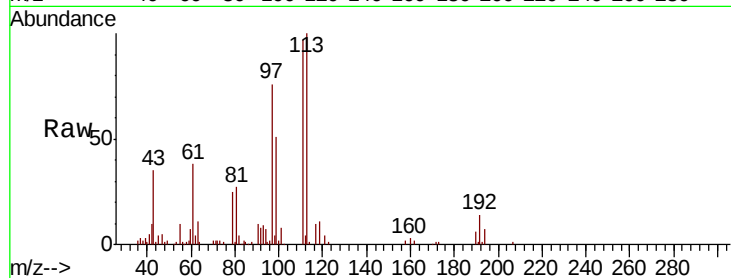
Tgt Ion:113 Resp: 86252

Ion Ratio Lower Upper

113 100

111 97.1 81.8 122.8

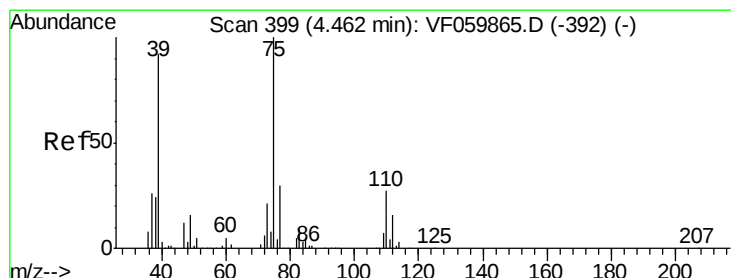
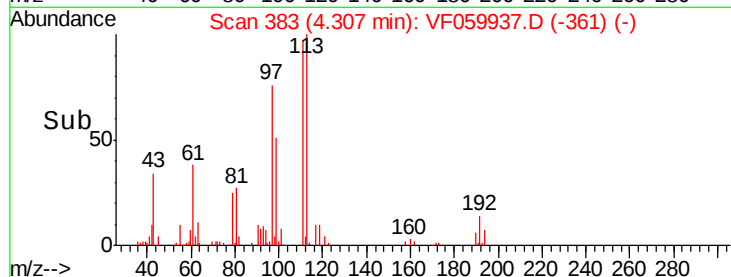
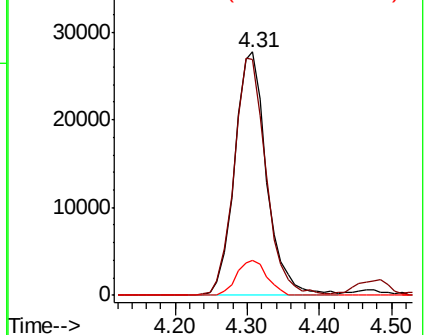
192 14.6 12.4 18.6



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



#36

1,1-Dichloropropene

Concen: 51.082 ug/l

RT: 4.47 min Scan# 399

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

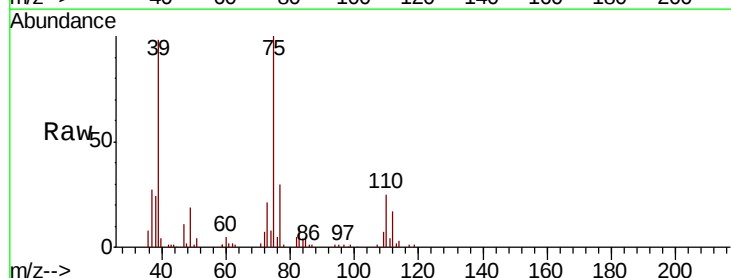
Tgt Ion: 75 Resp: 103332

Ion Ratio Lower Upper

75 100

110 25.2 13.6 40.7

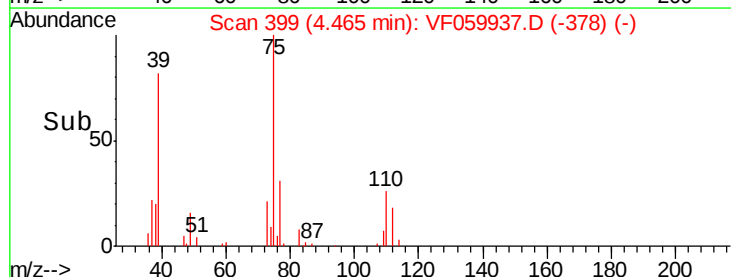
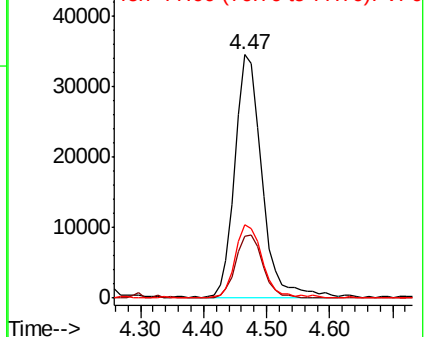
77 30.3 23.7 35.5

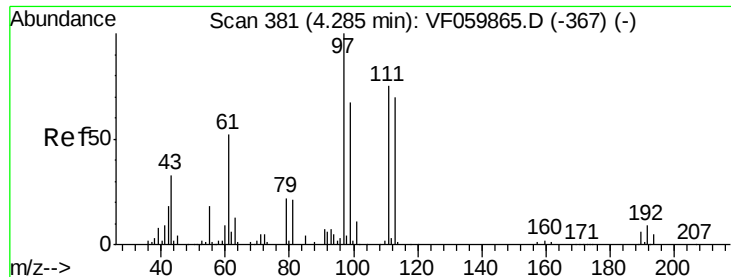


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

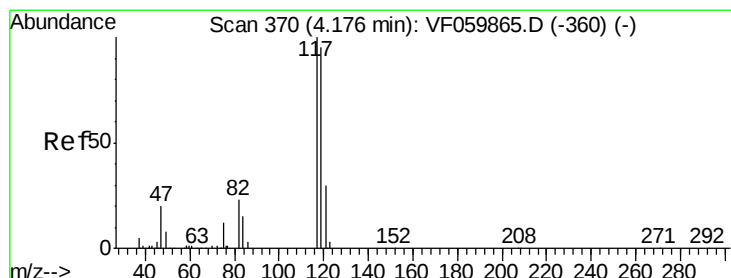
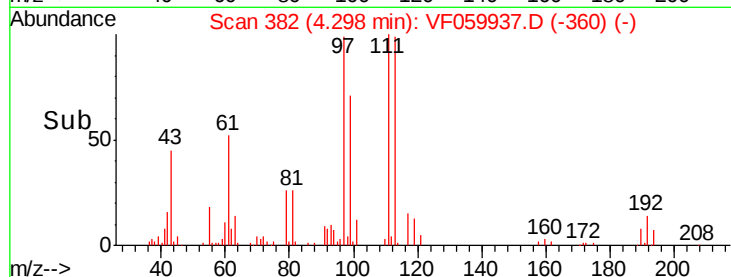
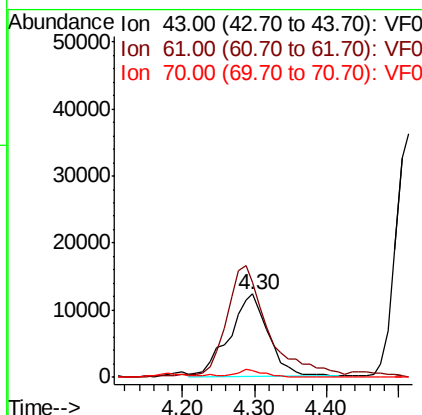
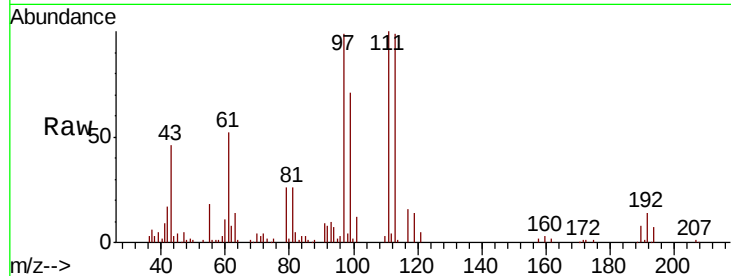




#37
 Ethyl Acetate
 Concen: 53.312 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

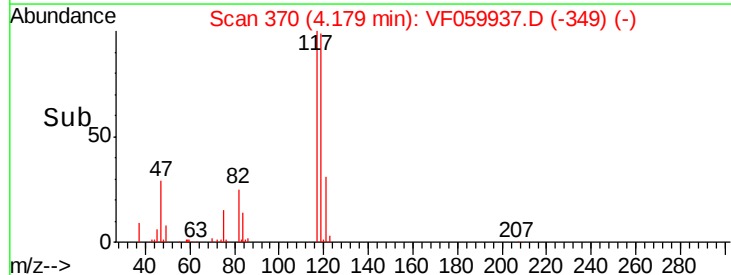
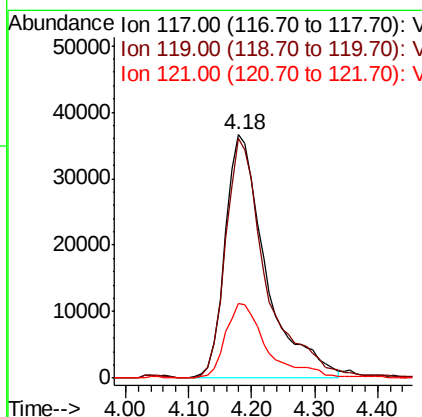
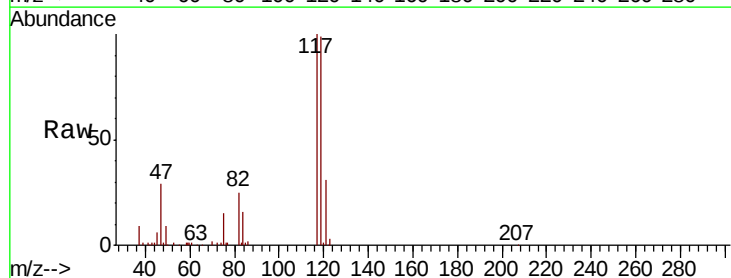
Instrument :
 MSVOA_F
 ClientSampled :
 BFB

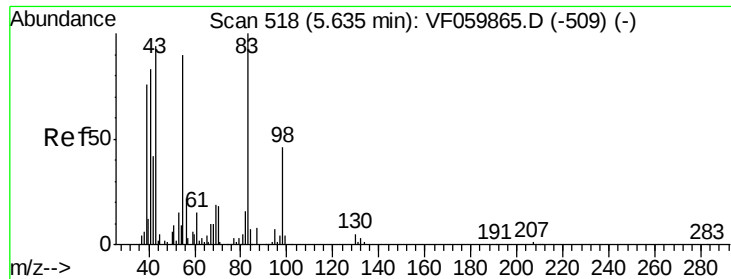
Tgt Ion: 43 Resp: 46304
 Ion Ratio Lower Upper
 43 100
 61 113.5 123.7 185.5#
 70 8.2 7.8 11.8



#38
 Carbon Tetrachloride
 Concen: 56.864 ug/l
 RT: 4.18 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion: 117 Resp: 164672
 Ion Ratio Lower Upper
 117 100
 119 98.6 76.5 114.7
 121 30.7 23.8 35.8

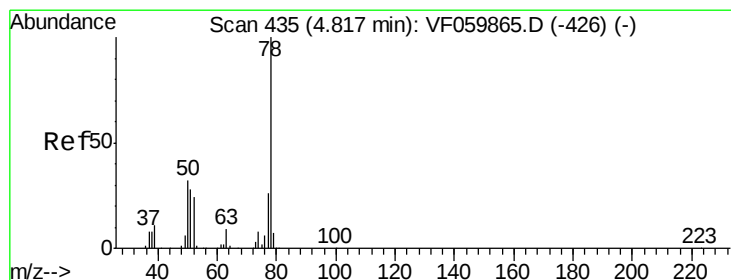
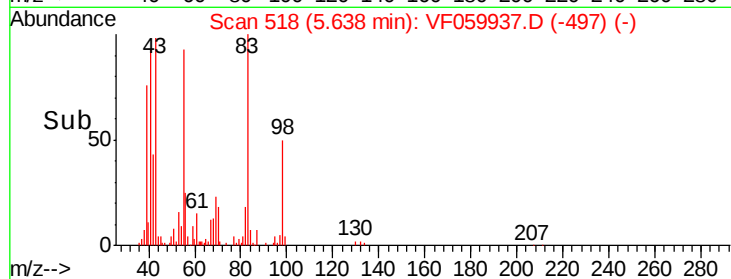
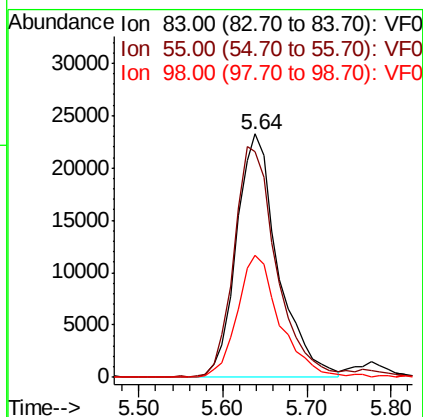
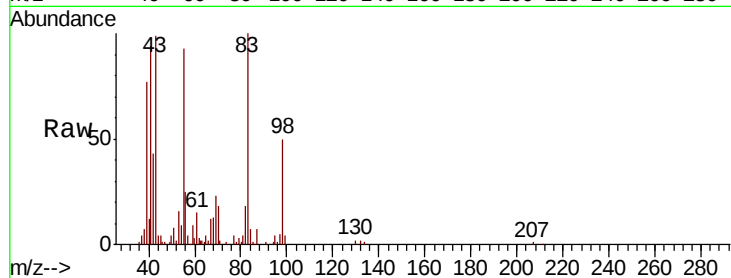




#39
Methylcyclohexane
Concen: 52.776 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

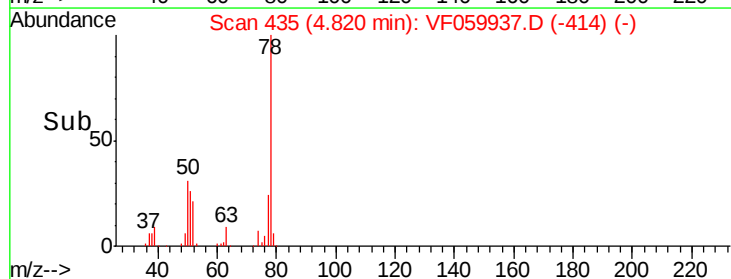
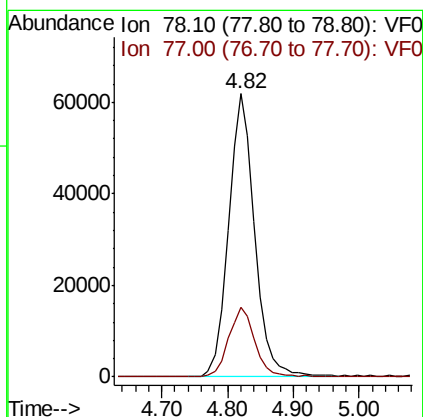
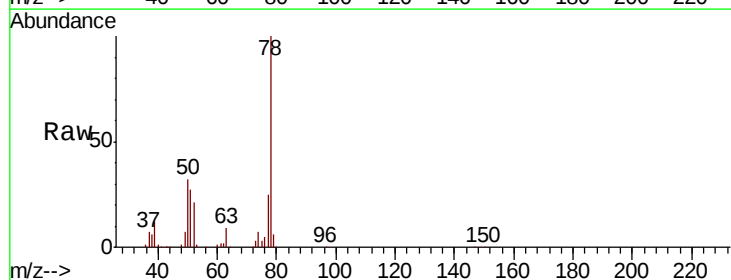
Instrument :
MSVOA_F
ClientSampleId :
BFB

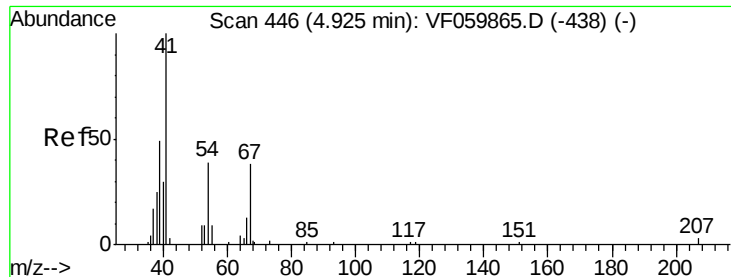
Tgt Ion: 83 Resp: 80063
Ion Ratio Lower Upper
83 100
55 92.8 72.0 108.0
98 50.3 36.6 54.8



#40
Benzene
Concen: 49.449 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion: 78 Resp: 171546
Ion Ratio Lower Upper
78 100
77 24.5 20.7 31.1





#41

Methacrylonitrile

Concen: 47.850 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampled :

BFB

Tgt Ion: 41 Resp: 21933

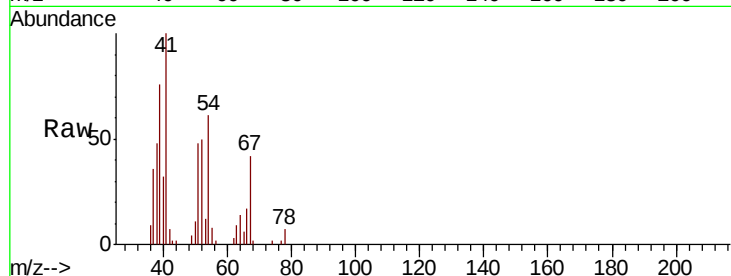
Ion Ratio Lower Upper

41 100

39 76.4 55.1 82.7

67 42.0 30.3 45.5

52 50.0 36.0 54.0

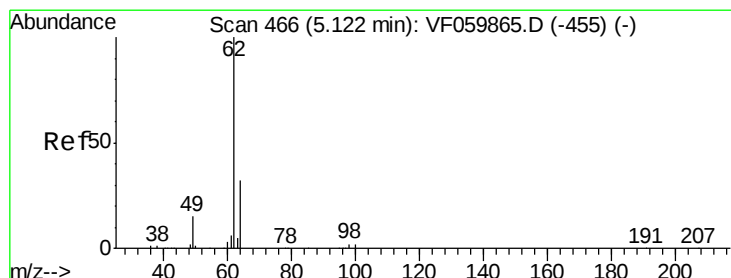
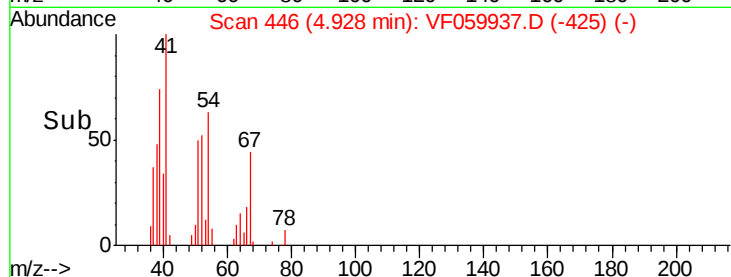
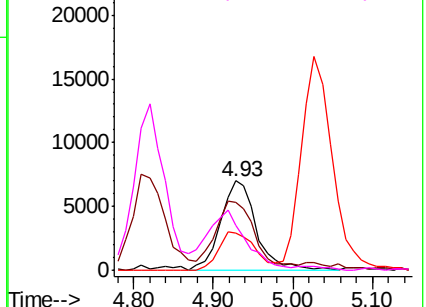


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#42

1,2-Dichloroethane

Concen: 48.021 ug/l

RT: 5.13 min Scan# 466

Delta R.T. 0.00 min

Lab File: VF059937.D

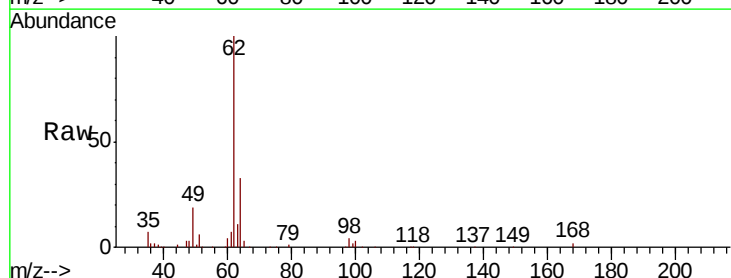
Acq: 10 Aug 2018 11:24

Tgt Ion: 62 Resp: 134508

Ion Ratio Lower Upper

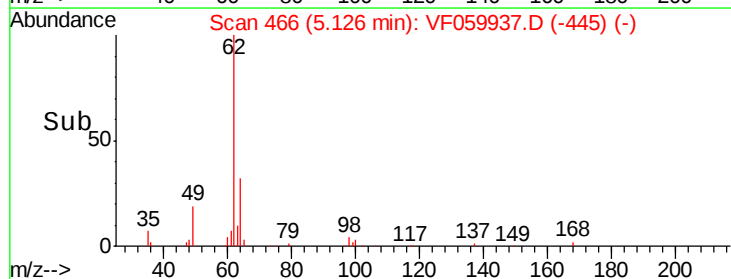
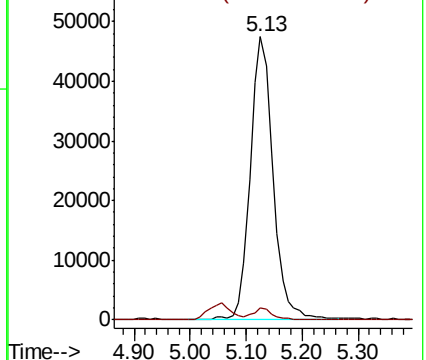
62 100

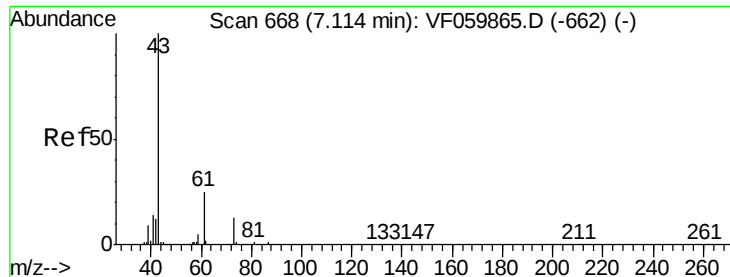
98 4.0 0.0 7.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

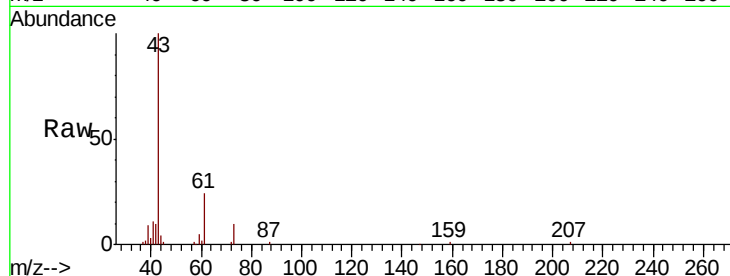




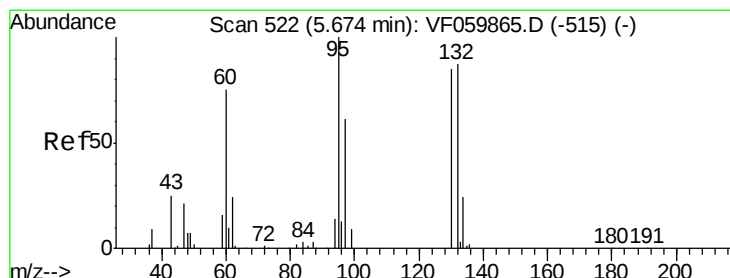
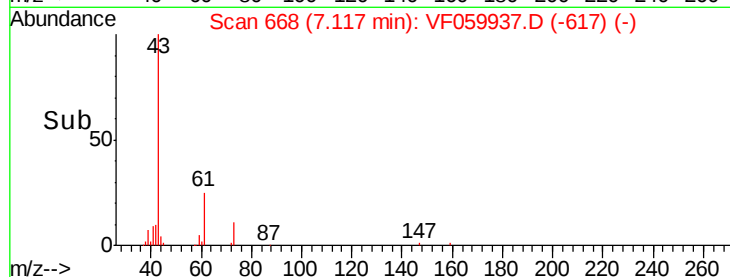
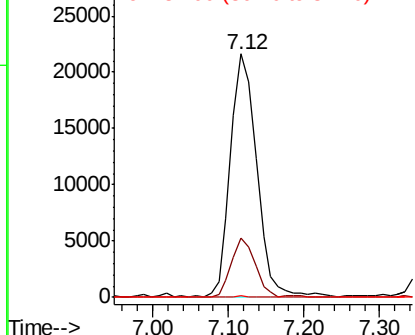
#43
Isopropyl Acetate
Concen: 58.756 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 52548
Ion Ratio Lower Upper
43 100
61 24.5 20.3 30.5
87 0.6 0.7 1.1#

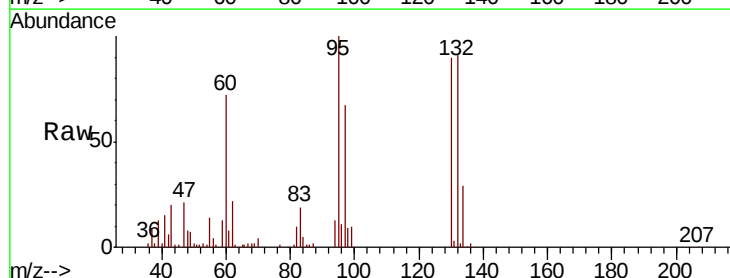


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0

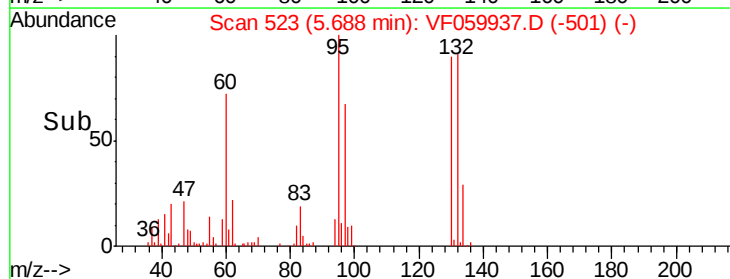
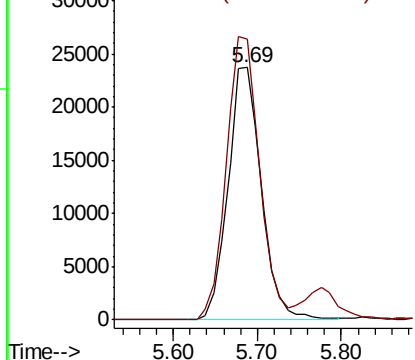


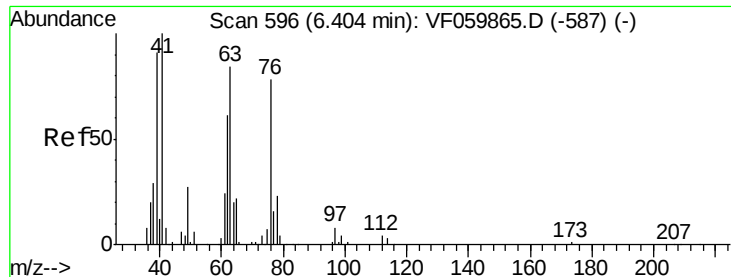
#44
Trichloroethene
Concen: 48.702 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion: 130 Resp: 65614
Ion Ratio Lower Upper
130 100
95 111.1 0.0 236.8



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0

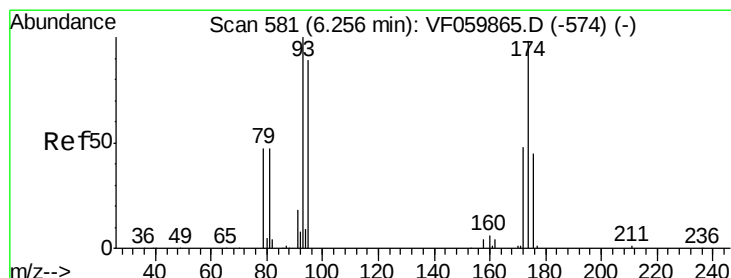
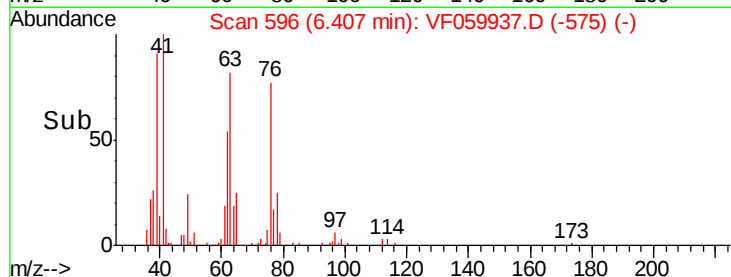
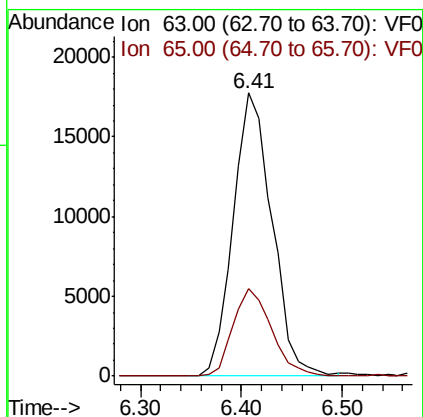
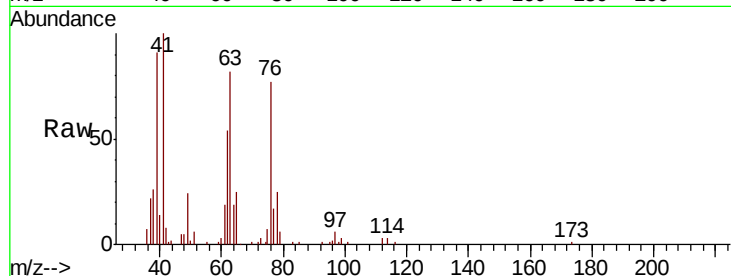




#45
 1,2-Dichloropropane
 Concen: 51.289 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

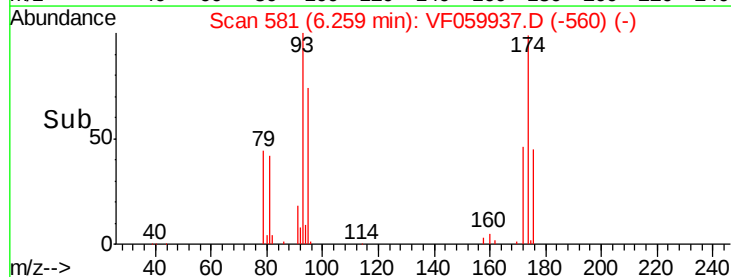
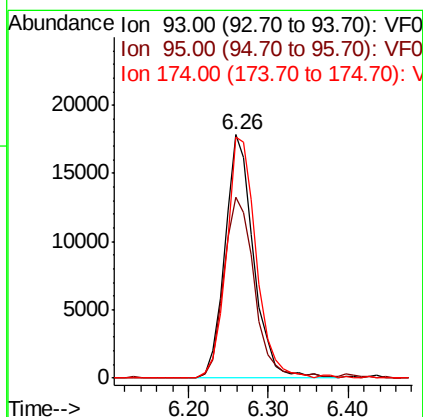
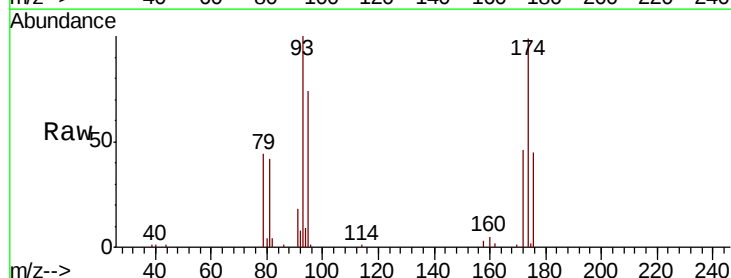
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

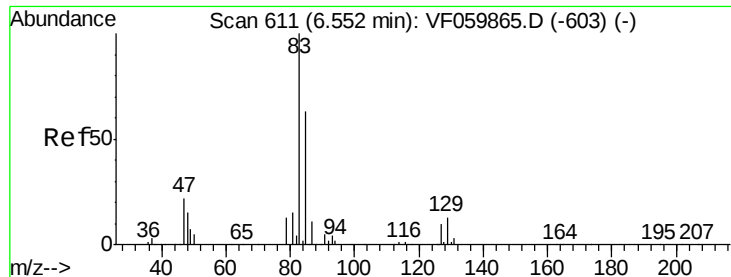
Tgt Ion: 63 Resp: 47612
 Ion Ratio Lower Upper
 63 100
 65 31.0 20.4 30.6#



#46
 Dibromomethane
 Concen: 47.982 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion: 93 Resp: 44944
 Ion Ratio Lower Upper
 93 100
 95 75.3 71.4 107.2
 174 99.0 78.1 117.1





#47

Bromodichloromethane

Concen: 50.350 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

BFB

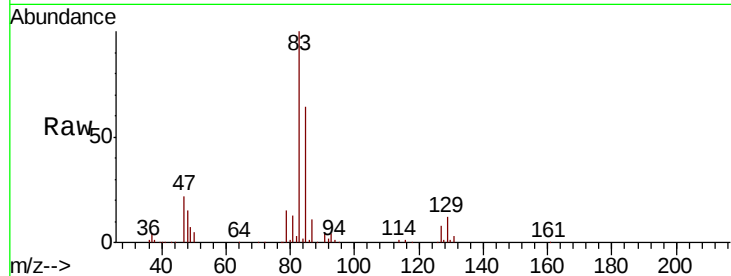
Tgt Ion: 83 Resp: 128993

Ion Ratio Lower Upper

83 100

85 64.0 50.7 76.1

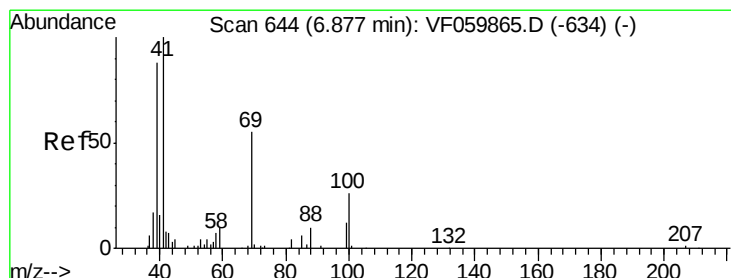
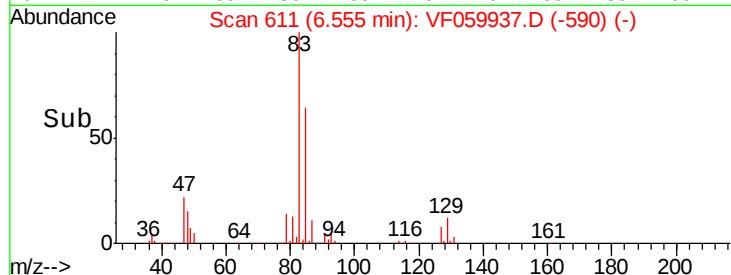
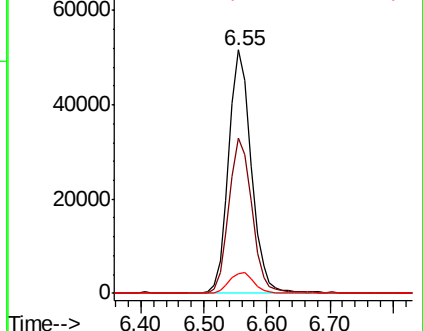
127 8.0 8.0 12.0#



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: 59.191 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

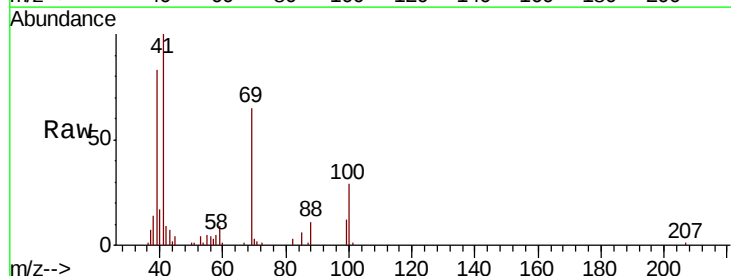
Tgt Ion: 41 Resp: 41184

Ion Ratio Lower Upper

41 100

69 65.4 44.4 66.6

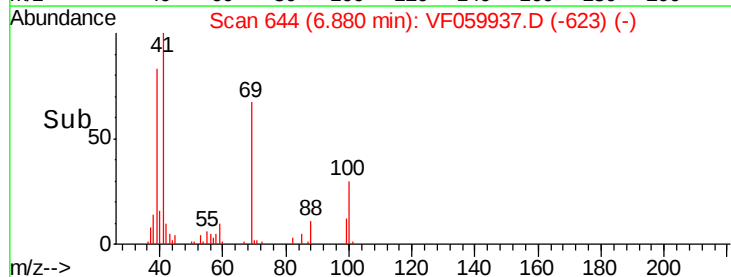
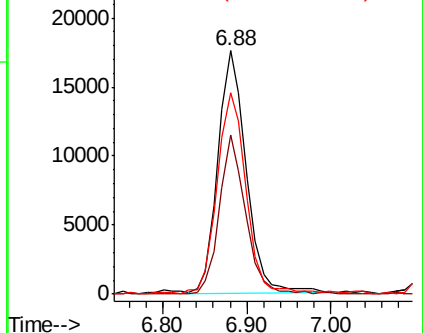
39 82.8 70.6 106.0

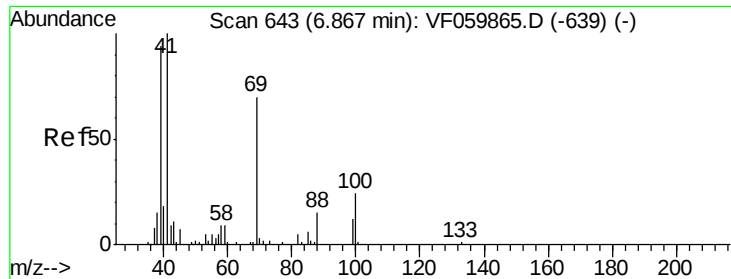


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

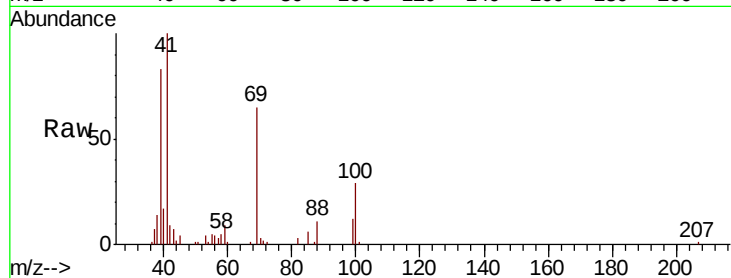




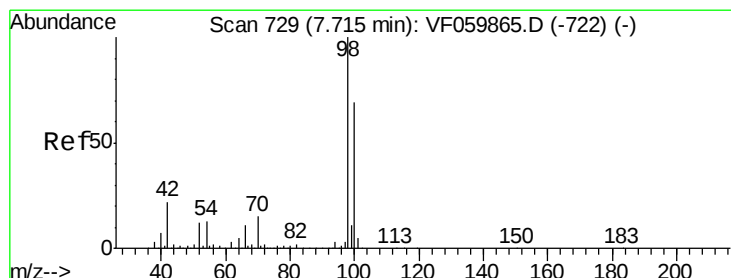
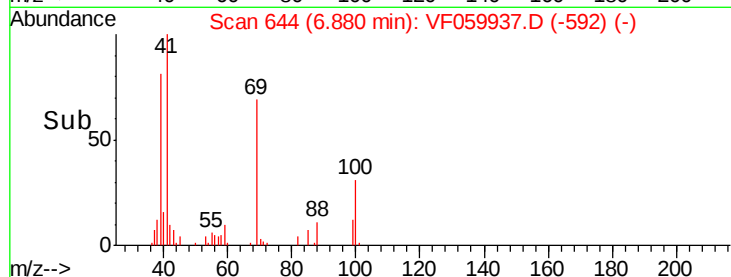
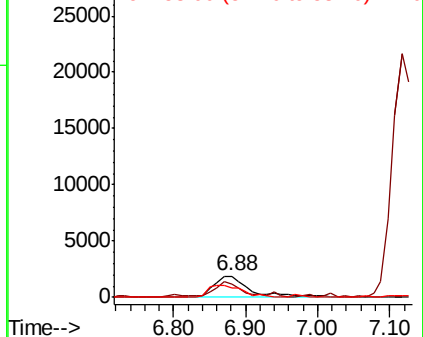
#49
1,4-Dioxane
Concen: 1280.784 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 88 Resp: 6525
Ion Ratio Lower Upper
88 100
43 64.6 58.3 87.5
58 46.8 49.4 74.2#

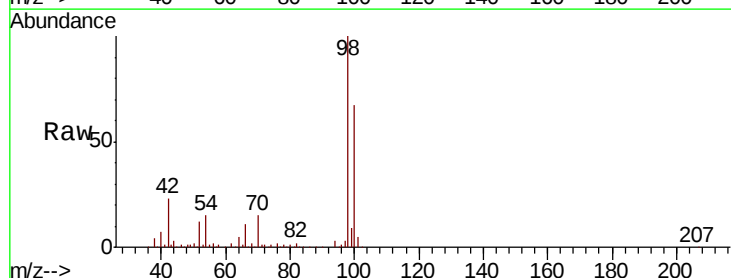


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

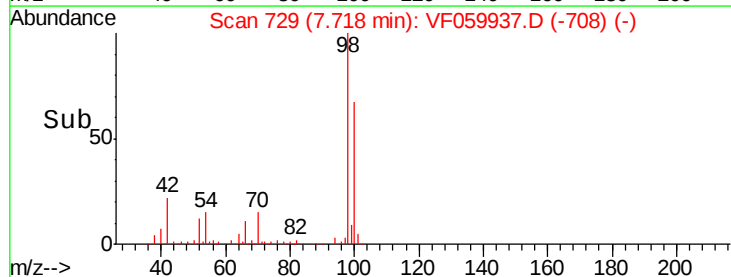
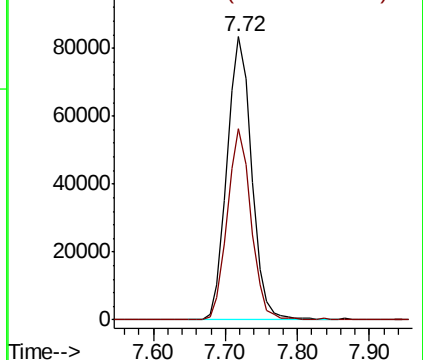


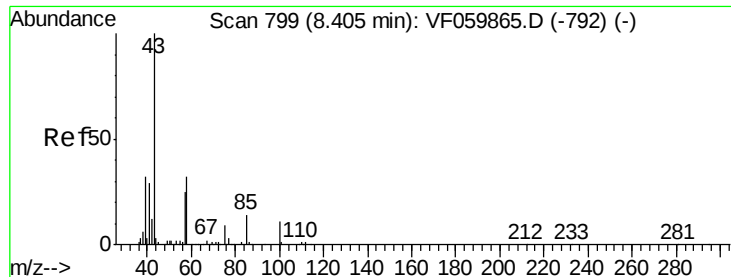
#50
Toluene-d8
Concen: 53.917 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion: 98 Resp: 199617
Ion Ratio Lower Upper
98 100
100 67.4 55.0 82.6



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





#51

4-Methyl-2-Pentanone

Concen: 277.663 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

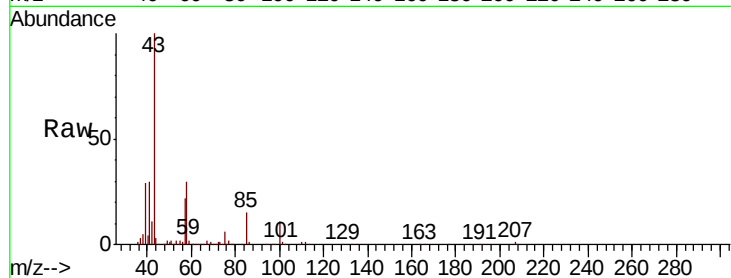
BFB

Tgt Ion: 43 Resp: 253903

Ion Ratio Lower Upper

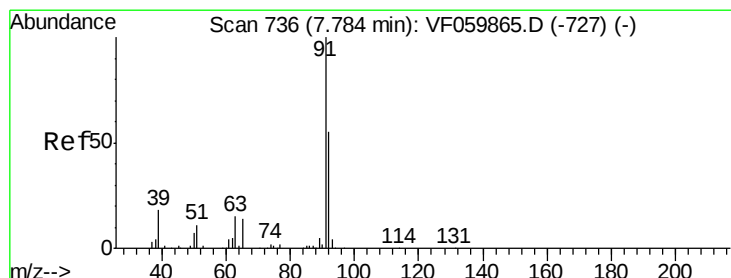
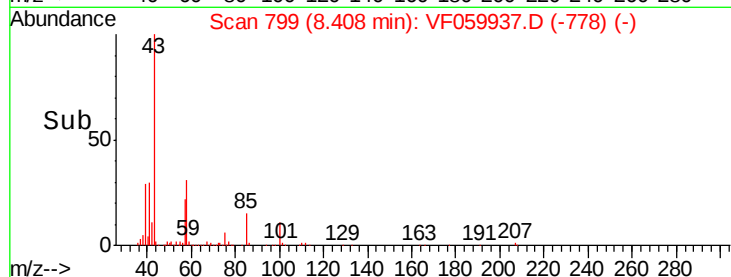
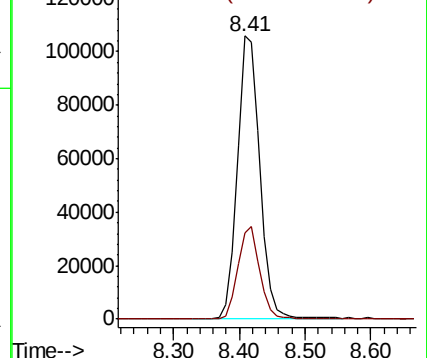
43 100

58 30.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 51.298 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059937.D

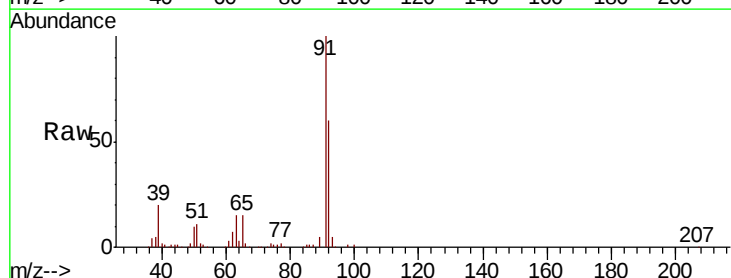
Acq: 10 Aug 2018 11:24

Tgt Ion: 92 Resp: 131066

Ion Ratio Lower Upper

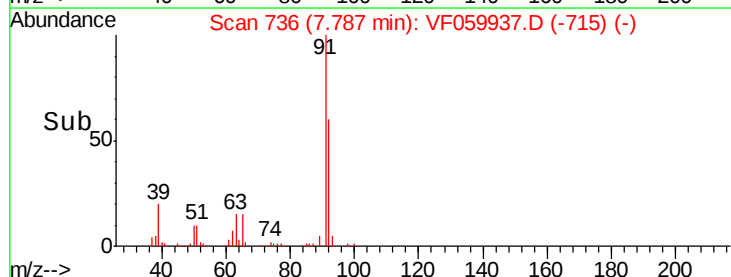
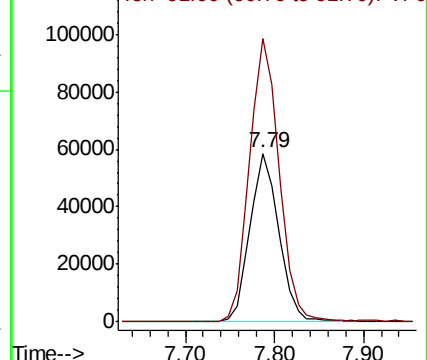
92 100

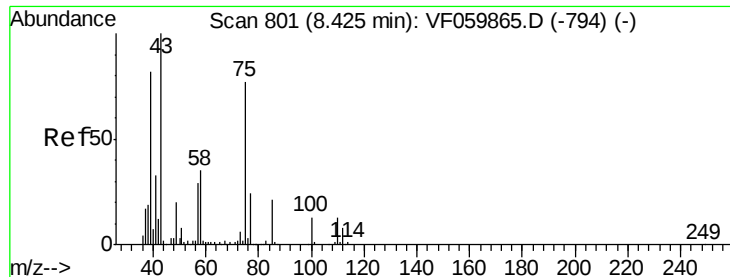
91 167.9 145.7 218.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

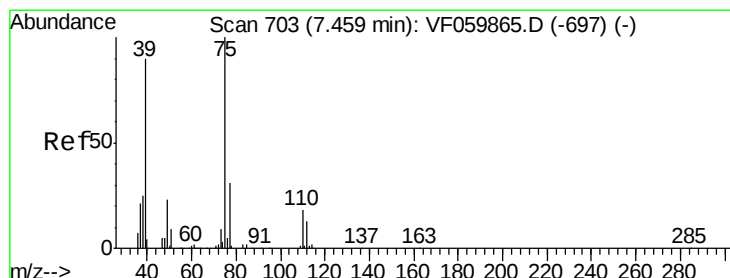
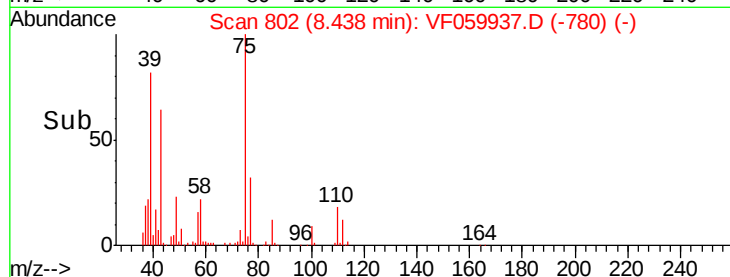
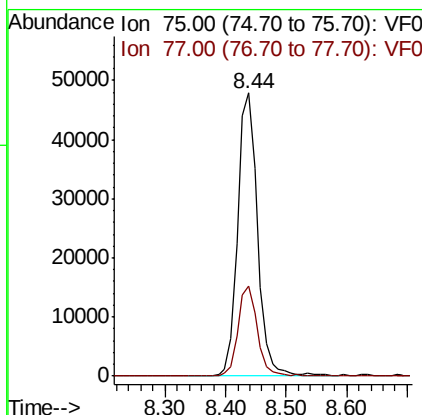
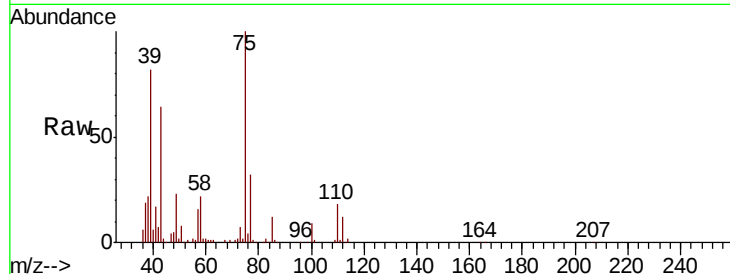




#53
 t-1,3-Dichloropropene
 Concen: 56.033 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.01 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

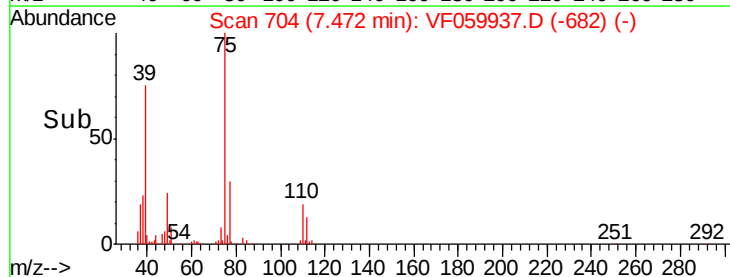
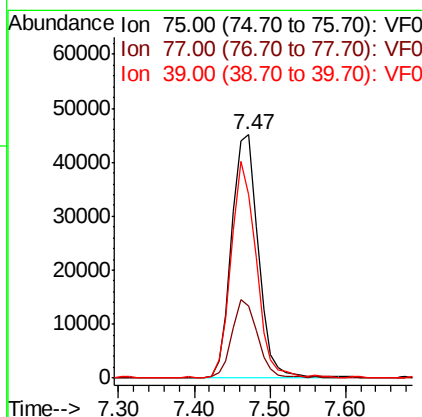
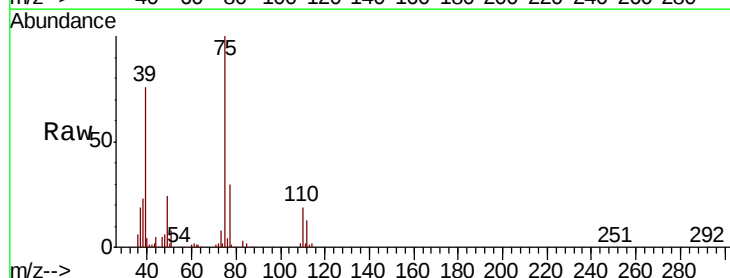
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

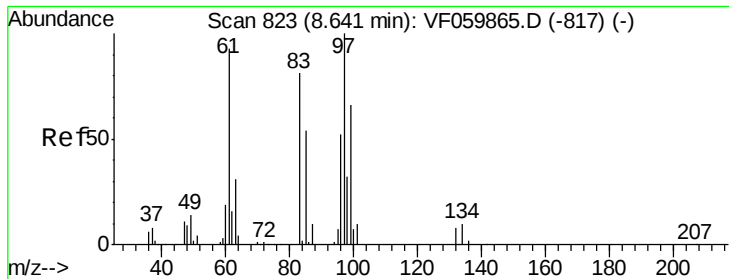
Tgt Ion: 75 Resp: 109196
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 54.826 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion: 75 Resp: 110267
 Ion Ratio Lower Upper
 75 100
 77 29.6 24.7 37.1
 39 75.6 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 51.545 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 47407

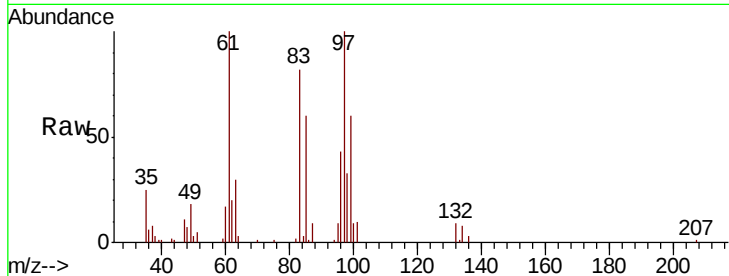
Ion Ratio Lower Upper

97 100

83 82.2 64.4 96.6

85 60.0 43.1 64.7

99 59.7 52.7 79.1

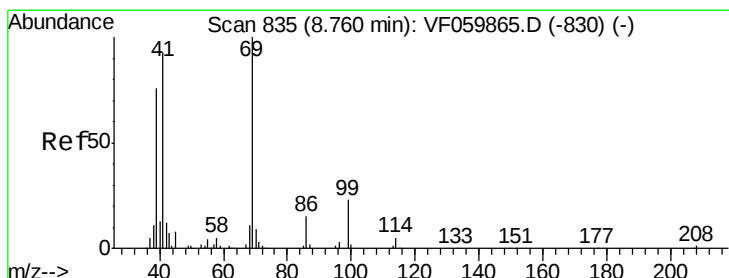
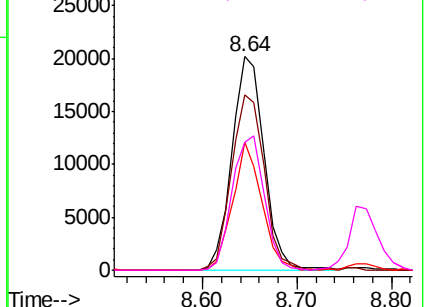
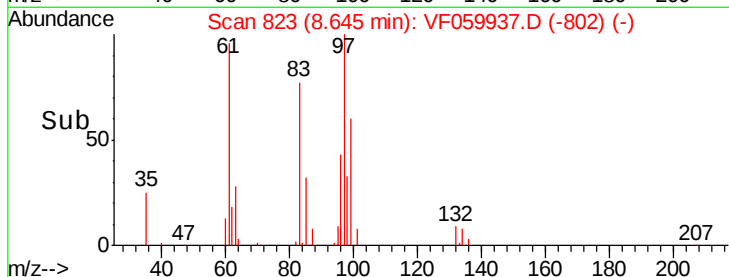


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 52.321 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

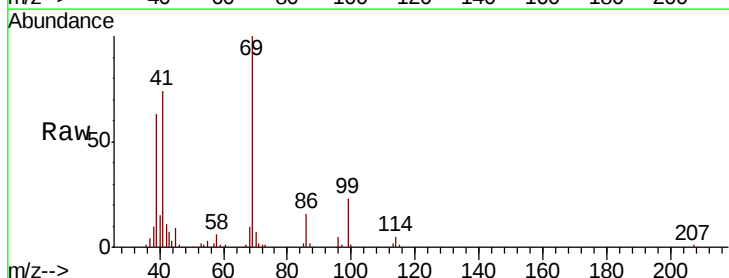
Tgt Ion: 69 Resp: 52937

Ion Ratio Lower Upper

69 100

41 73.8 74.7 112.1#

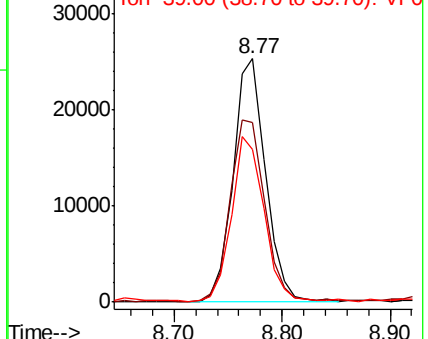
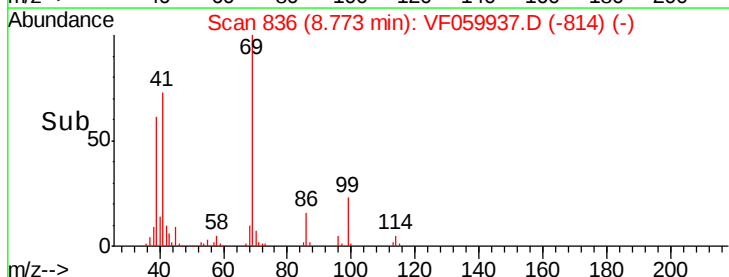
39 63.0 61.1 91.7

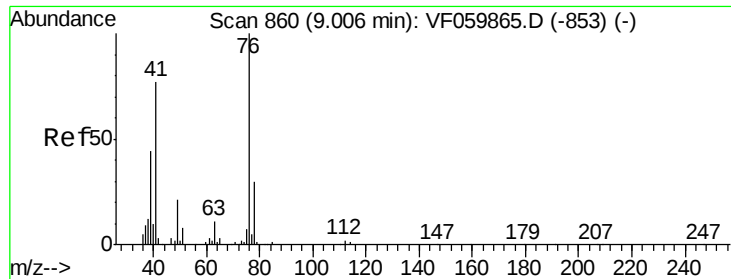


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 53.152 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

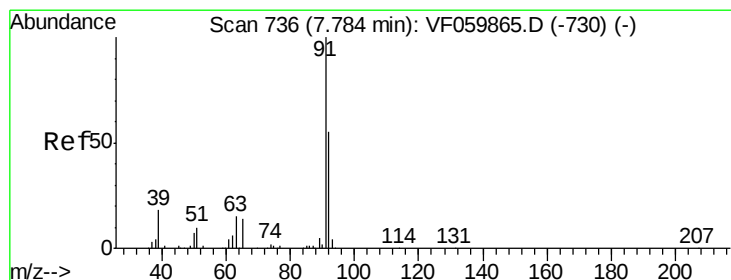
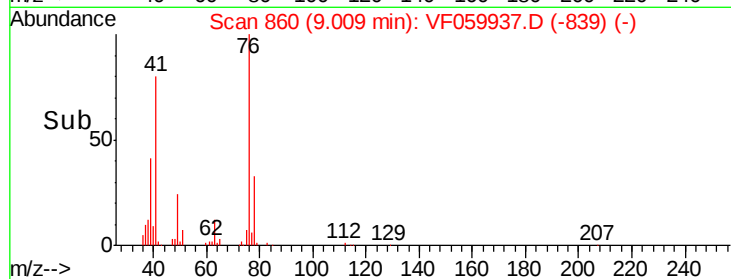
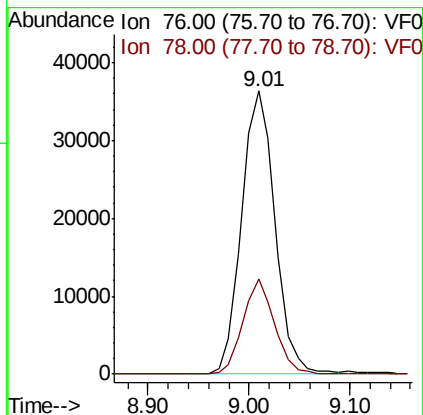
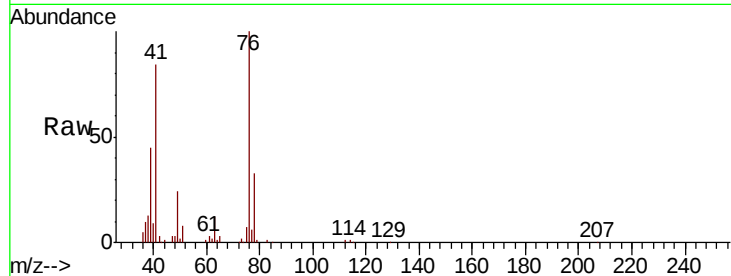
BFB

Tgt Ion: 76 Resp: 83942

Ion Ratio Lower Upper

76 100

78 33.4 24.2 36.2



#58

2-Chloroethyl Vinyl ether

Concen: 261.833 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059937.D

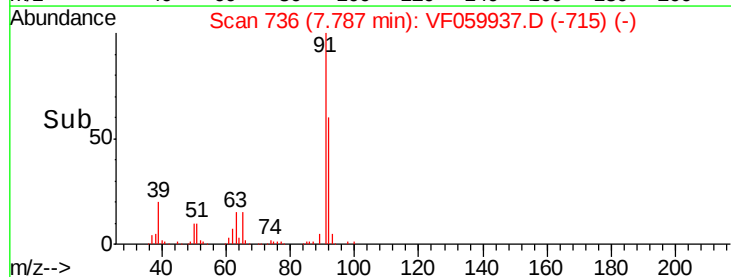
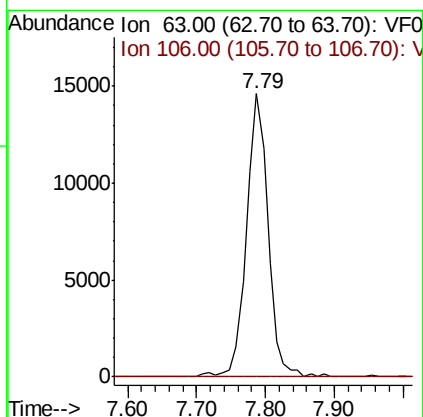
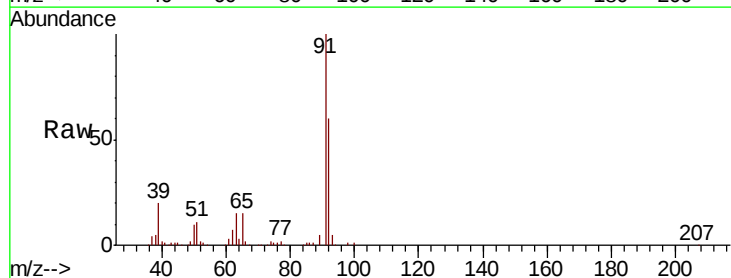
Acq: 10 Aug 2018 11:24

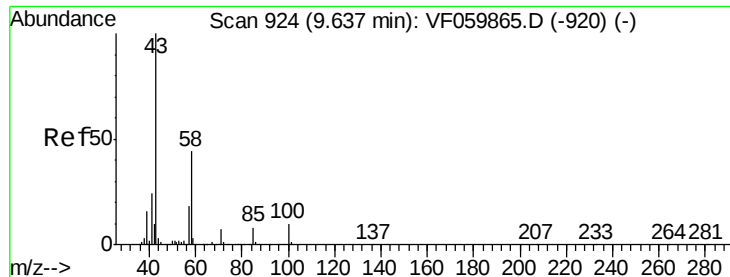
Tgt Ion: 63 Resp: 31859

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

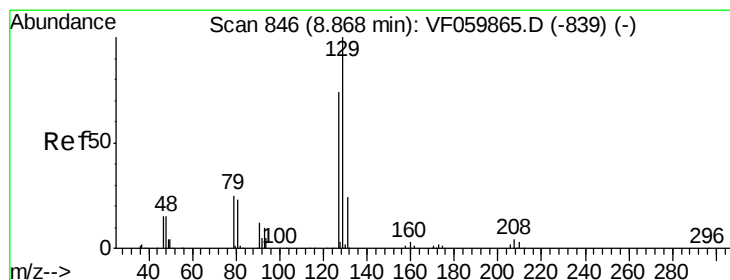
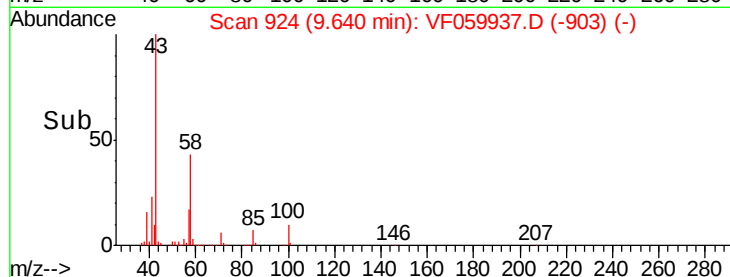
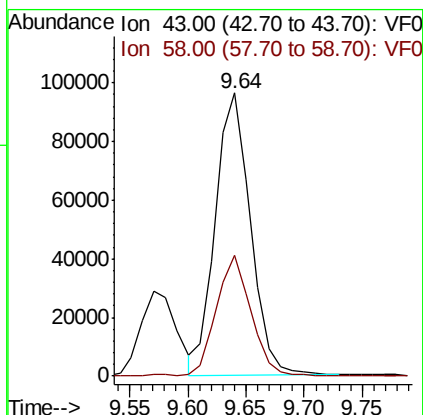
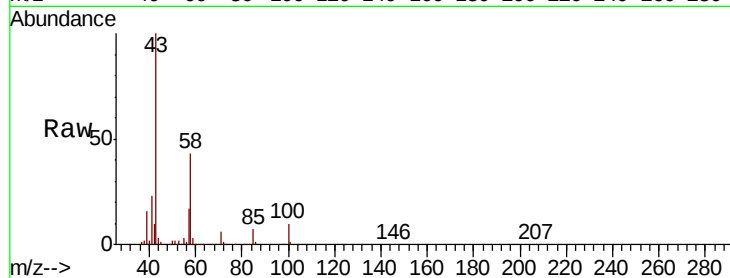




#59
2-Hexanone
Concen: 311.226 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

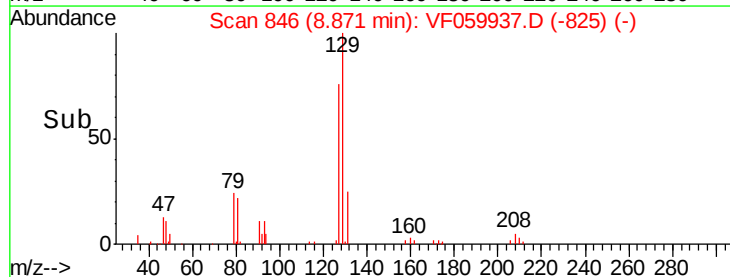
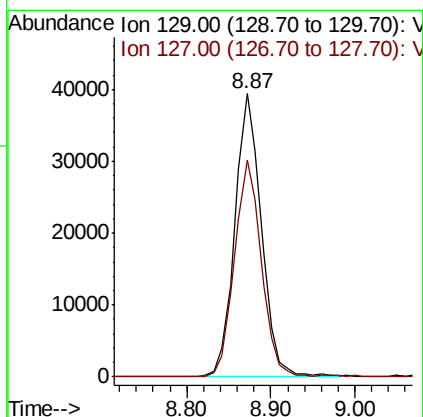
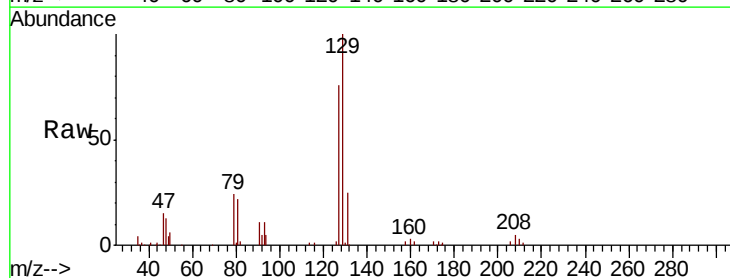
Instrument :
MSVOA_F
ClientSampleId :
BFB

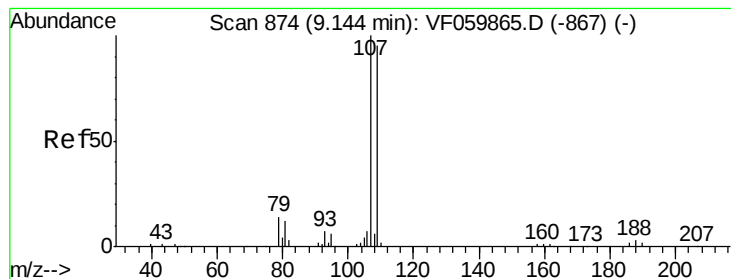
Tgt Ion: 43 Resp: 201037
Ion Ratio Lower Upper
43 100
58 42.7 20.8 62.2



#60
Dibromochloromethane
Concen: 50.166 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion: 129 Resp: 86560
Ion Ratio Lower Upper
129 100
127 76.4 36.9 110.7





#61

1,2-Dibromoethane

Concen: 53.417 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

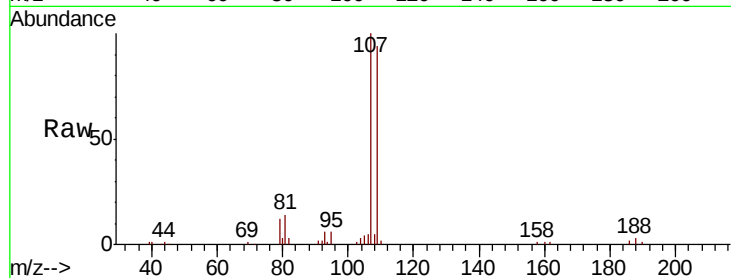
BFB

Tgt Ion: 107 Resp: 59861

Ion Ratio Lower Upper

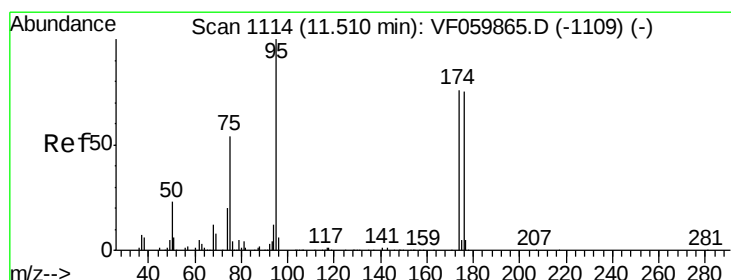
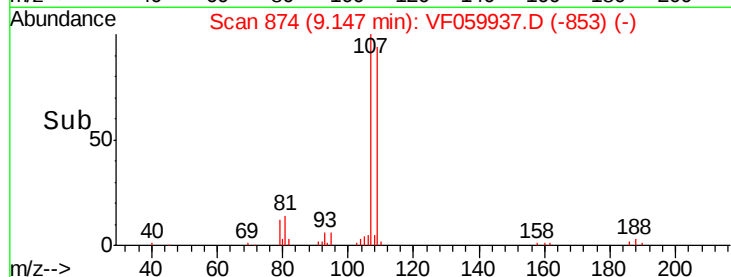
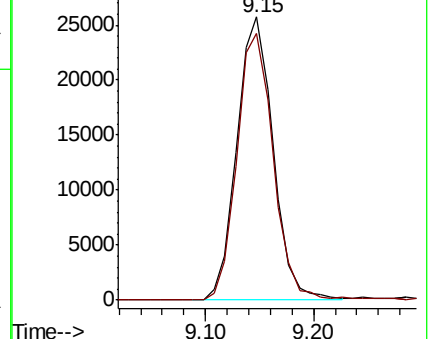
107 100

109 94.1 75.8 113.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 54.213 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

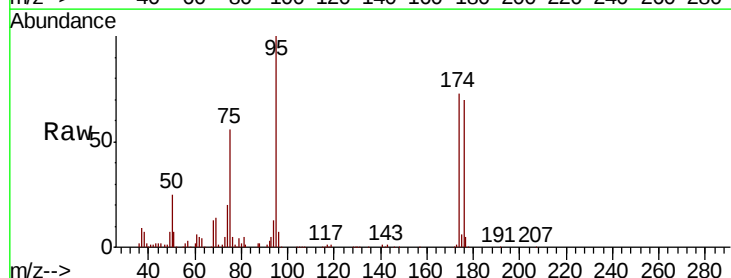
Tgt Ion: 95 Resp: 112786

Ion Ratio Lower Upper

95 100

174 72.5 0.0 151.6

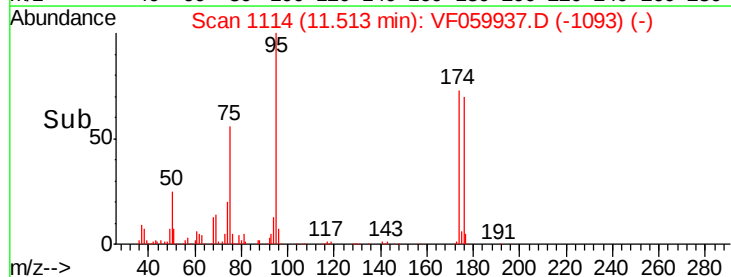
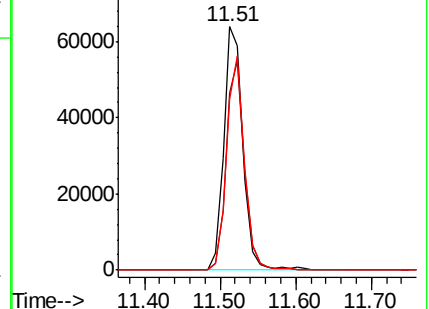
176 70.0 0.0 149.8

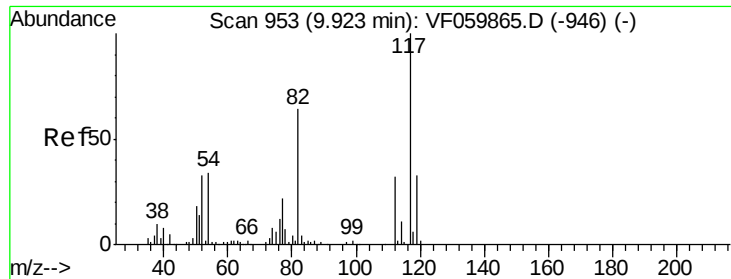


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

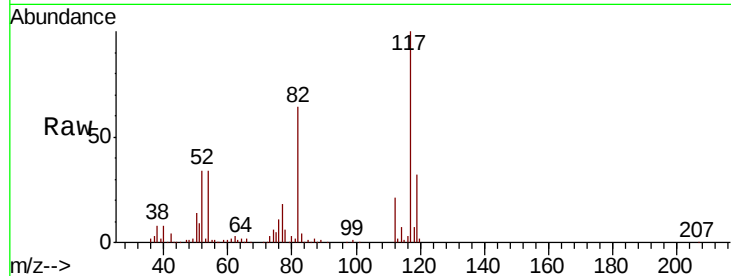




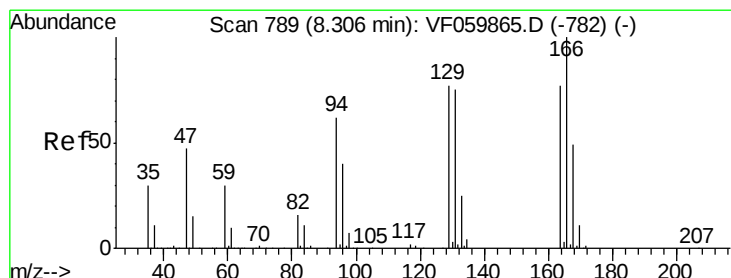
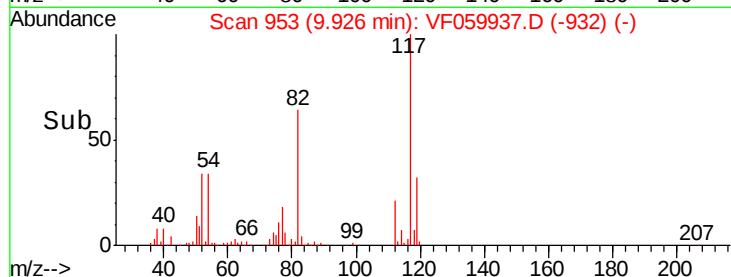
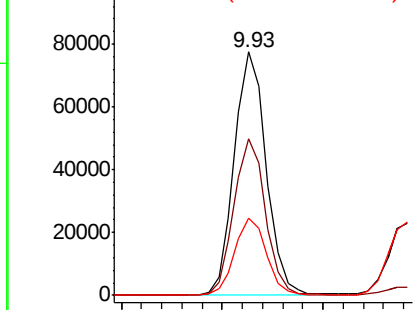
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampled :
BFB

Tgt Ion:117 Resp: 171499
Ion Ratio Lower Upper
117 100
82 64.5 51.3 76.9
119 31.8 26.4 39.6

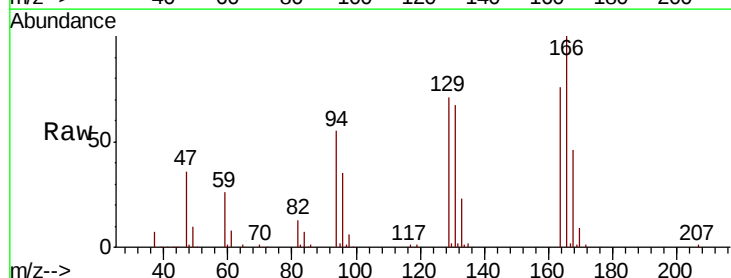


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

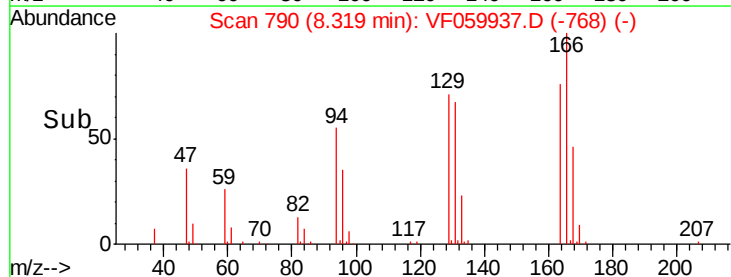
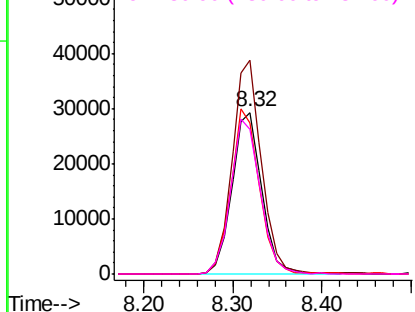


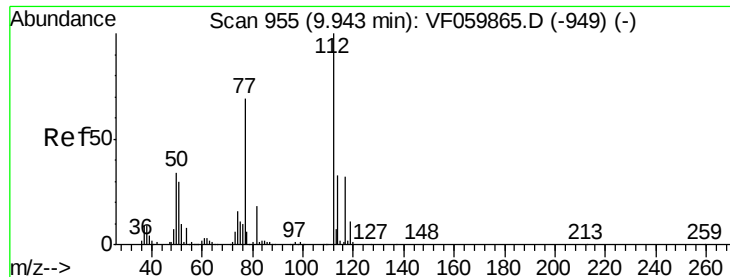
#64
Tetrachloroethene
Concen: 45.999 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion:164 Resp: 68053
Ion Ratio Lower Upper
164 100
166 132.4 104.4 156.6
129 93.9 80.3 120.5
131 89.4 78.5 117.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

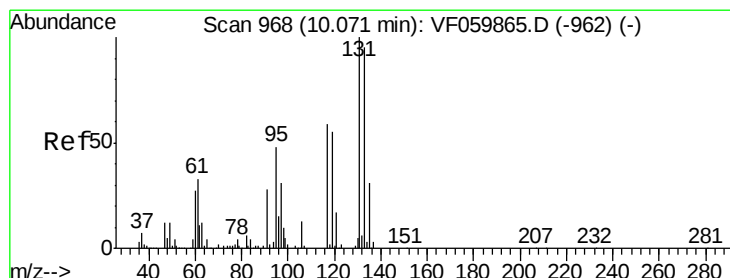
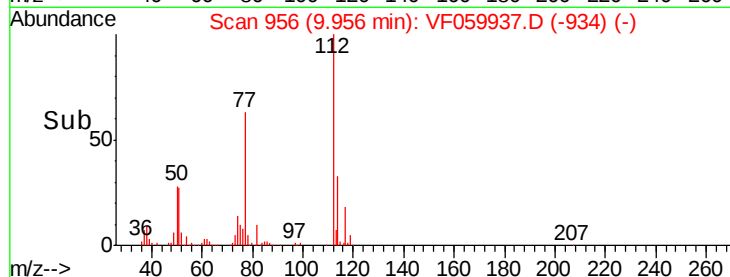
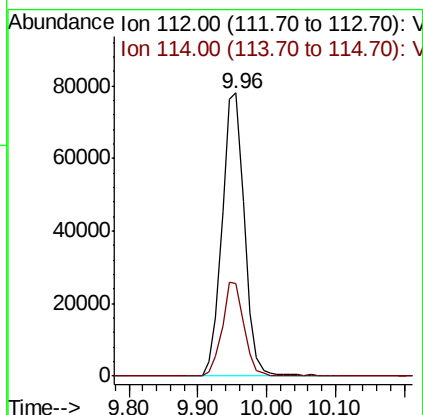
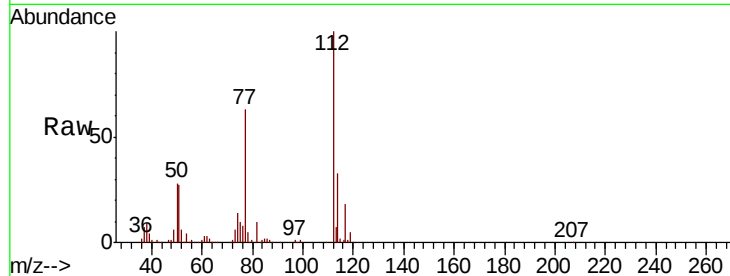




#65
Chlorobenzene
Concen: 50.445 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

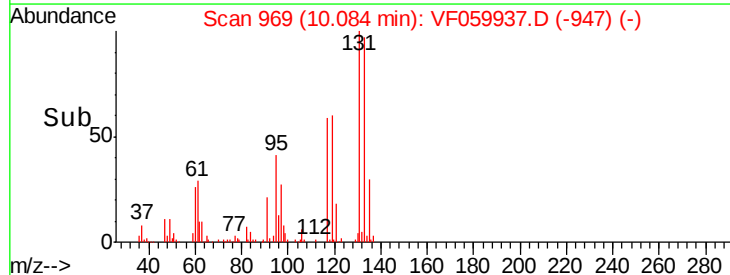
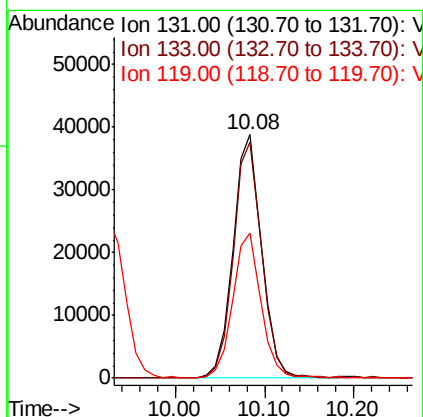
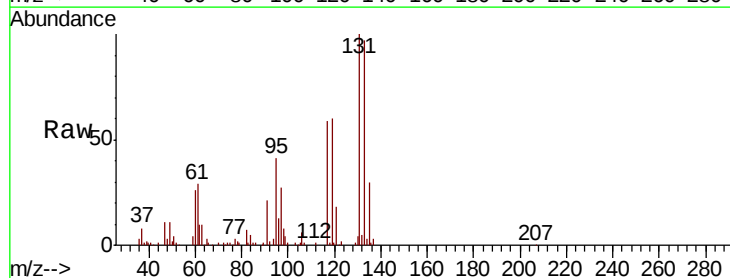
Instrument :
MSVOA_F
ClientSampleId :
BFB

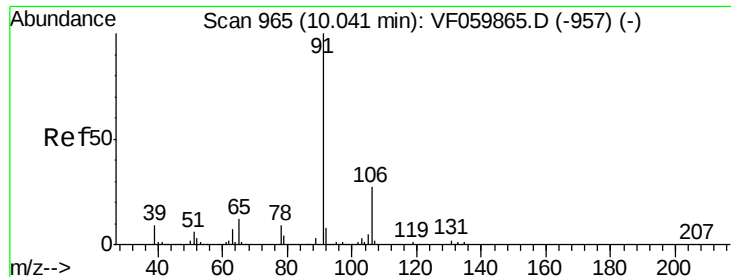
Tgt Ion:112 Resp: 175601
Ion Ratio Lower Upper
112 100
114 32.8 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.317 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion:131 Resp: 87128
Ion Ratio Lower Upper
131 100
133 96.8 47.4 142.2
119 59.8 27.7 83.1





#67

Ethyl Benzene

Concen: 53.794 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

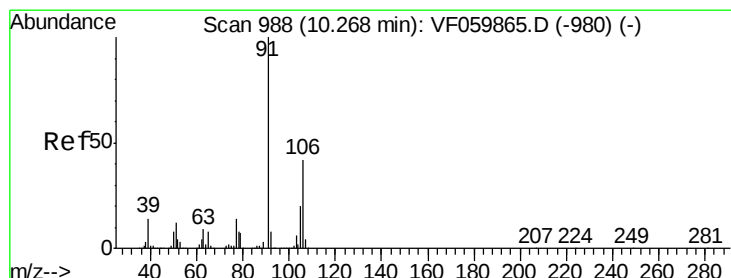
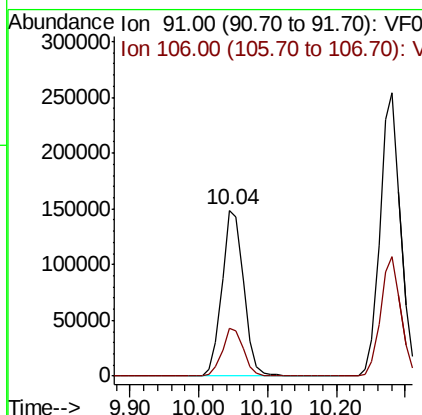
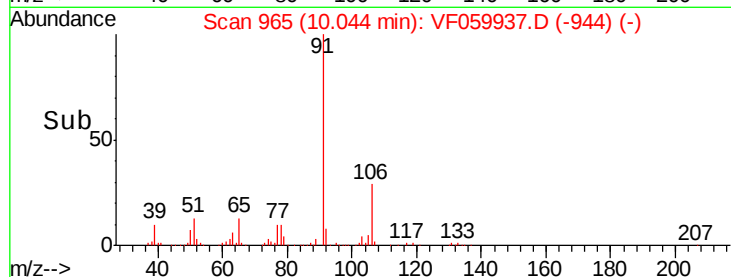
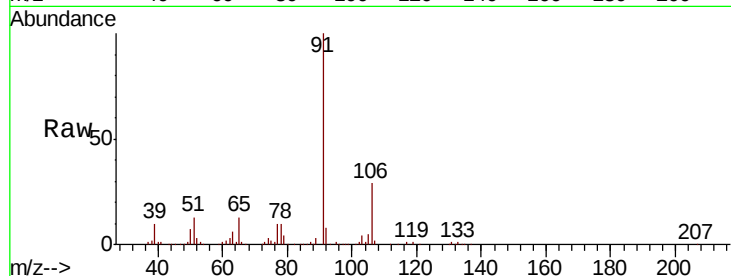
BFB

Tgt Ion: 91 Resp: 326230

Ion Ratio Lower Upper

91 100

106 28.8 21.5 32.3



#68

m/p-Xylenes

Concen: 105.734 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF059937.D

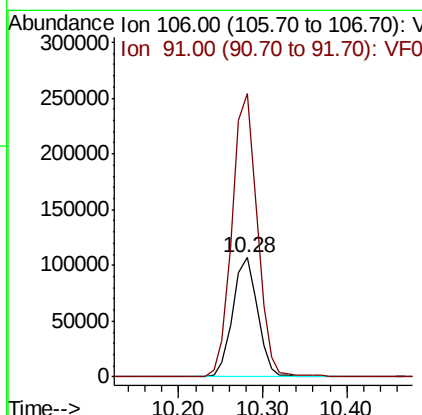
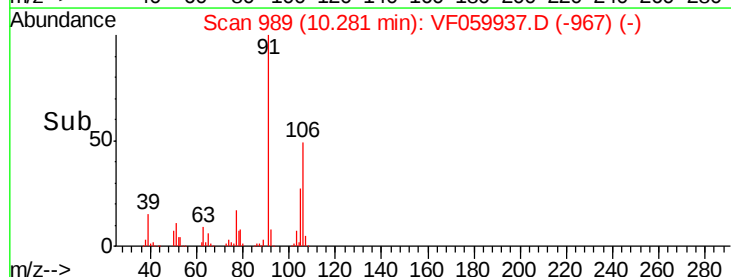
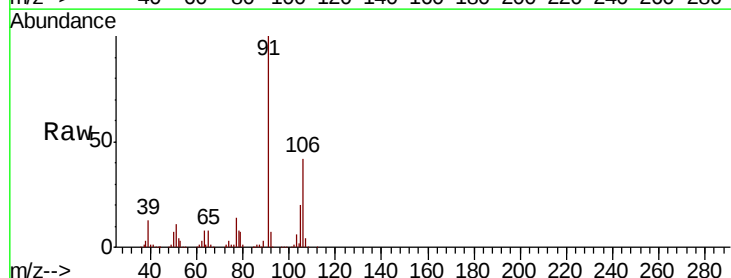
Acq: 10 Aug 2018 11:24

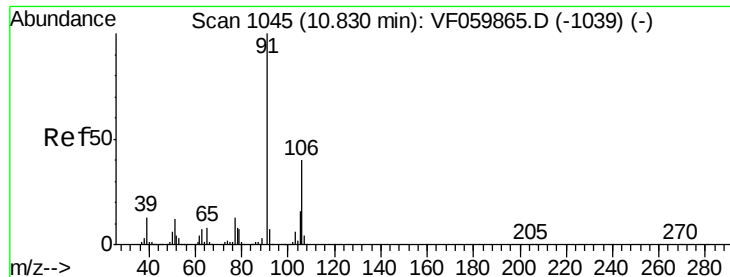
Tgt Ion: 106 Resp: 221657

Ion Ratio Lower Upper

106 100

91 237.4 192.1 288.1

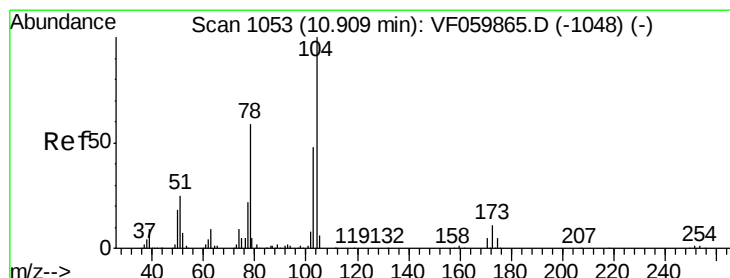
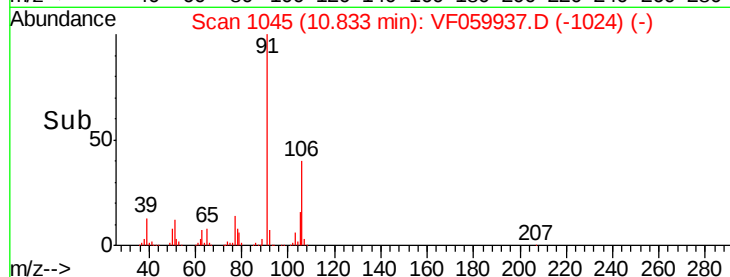
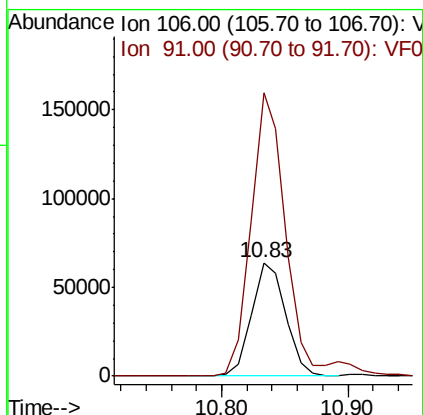
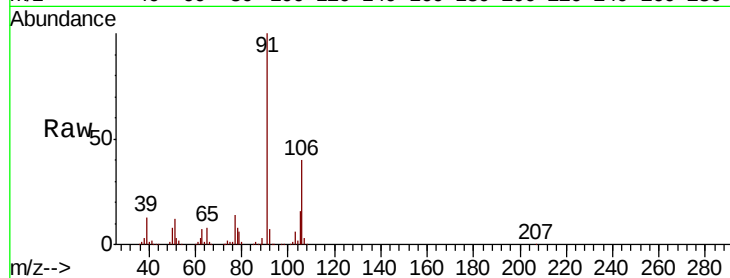




#69
o-Xylene
Concen: 53.938 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

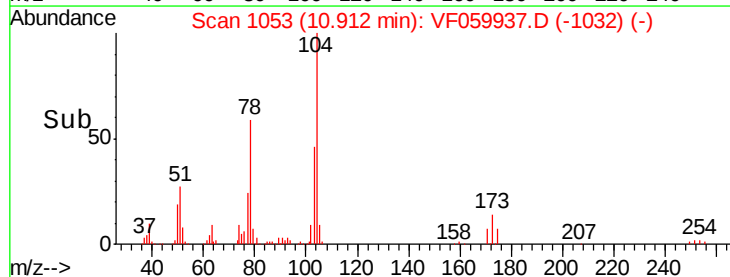
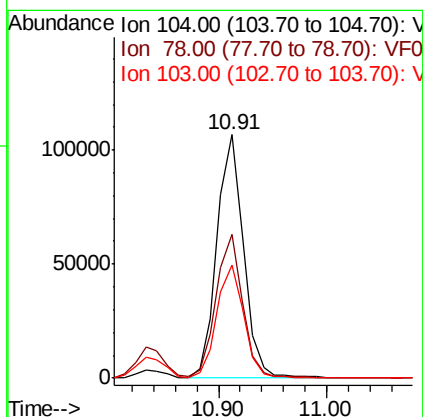
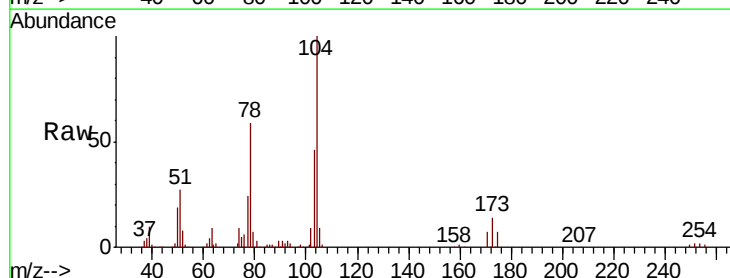
Instrument :
MSVOA_F
ClientSampleId :
BFB

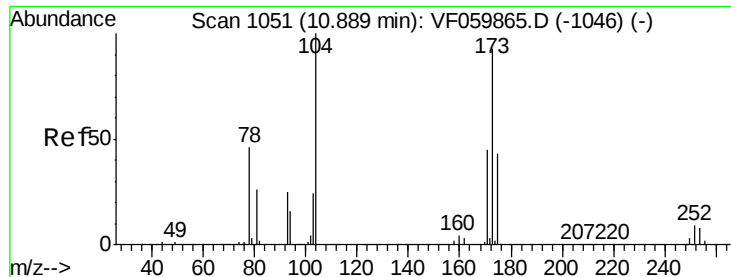
Tgt Ion:106 Resp: 119784
Ion Ratio Lower Upper
106 100
91 250.1 125.4 376.2



#70
Styrene
Concen: 54.834 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion:104 Resp: 181717
Ion Ratio Lower Upper
104 100
78 59.3 47.3 70.9
103 46.3 39.0 58.4





#71

Bromoform

Concen: 53.034 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

BFB

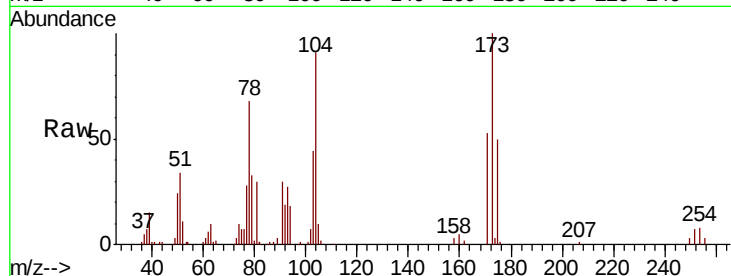
Tgt Ion:173 Resp: 56280

Ion Ratio Lower Upper

173 100

175 50.0 23.4 70.2

254 0.0 0.0 0.0

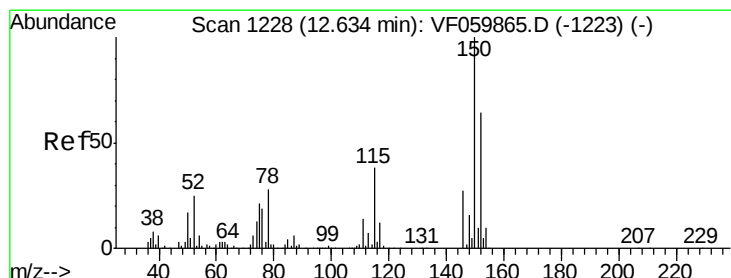
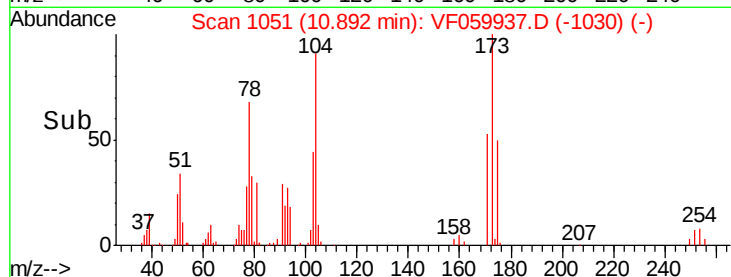
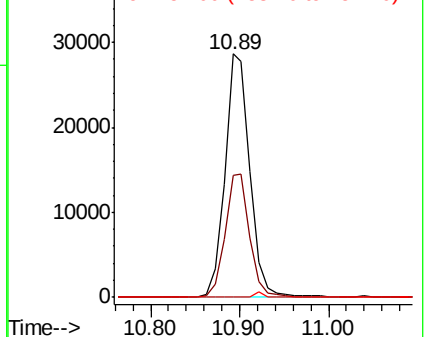


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

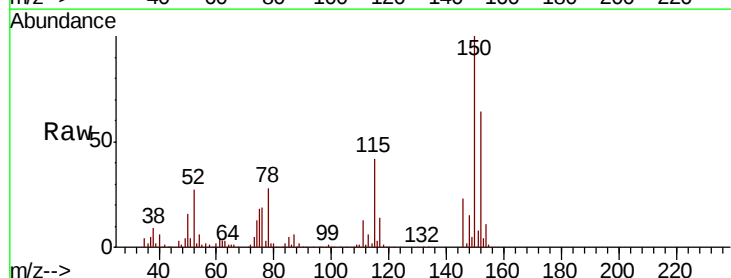
Tgt Ion:152 Resp: 113583

Ion Ratio Lower Upper

152 100

115 65.9 29.8 89.4

150 155.4 0.0 315.6

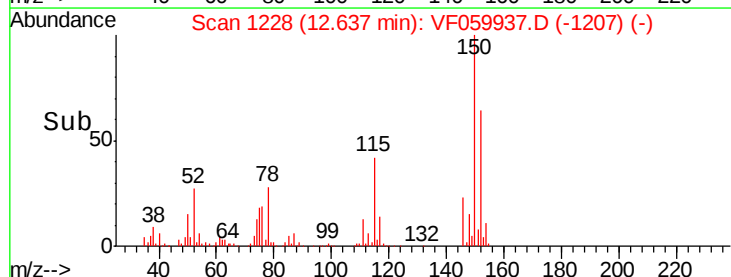
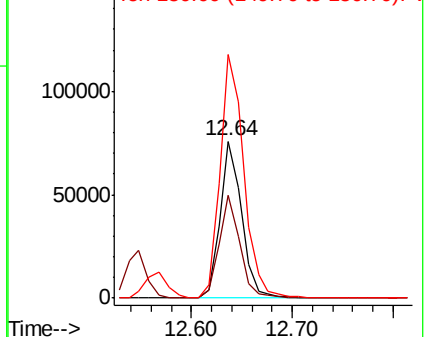


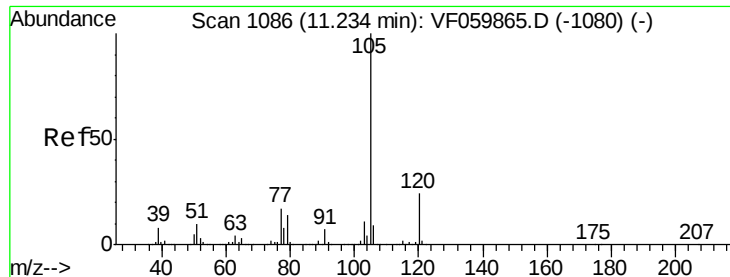
Abundance

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





#73

Isopropylbenzene

Concen: 56.362 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampled :

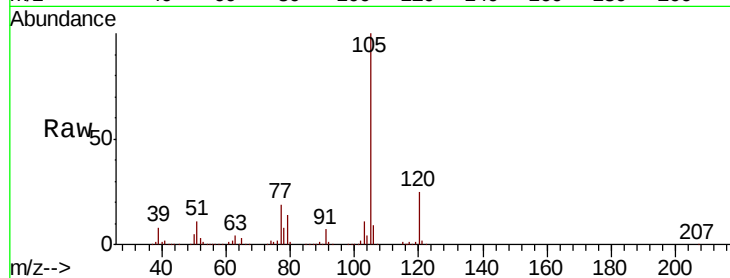
BFB

Tgt Ion: 105 Resp: 398735

Ion Ratio Lower Upper

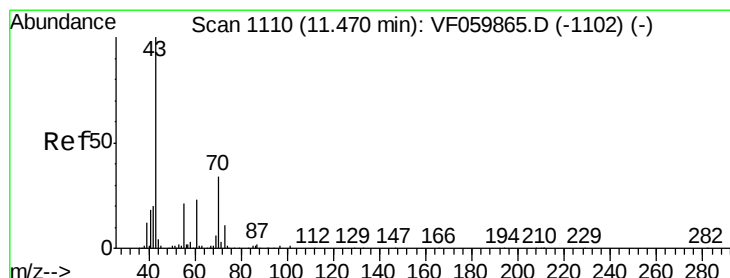
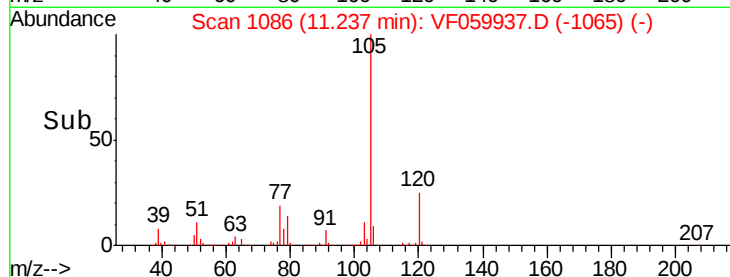
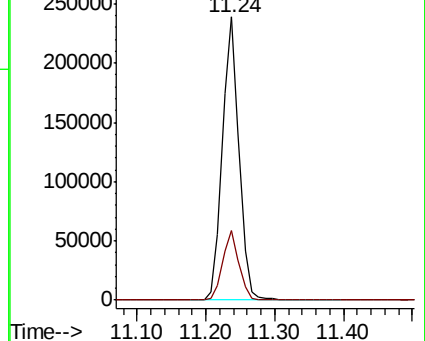
105 100

120 24.8 12.1 36.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.267 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Tgt Ion: 43 Resp: 93613

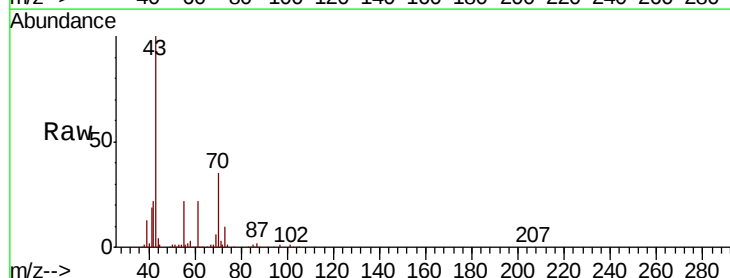
Ion Ratio Lower Upper

43 100

70 35.3 27.5 41.3

55 21.5 16.6 25.0

61 22.3 18.2 27.4

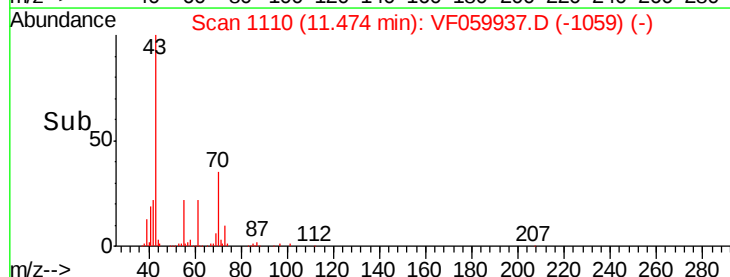
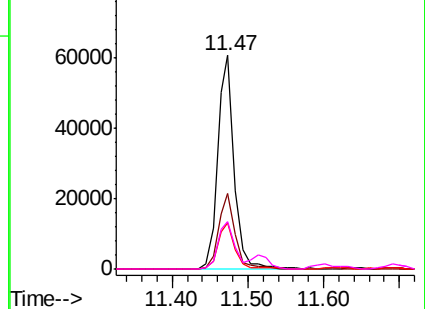


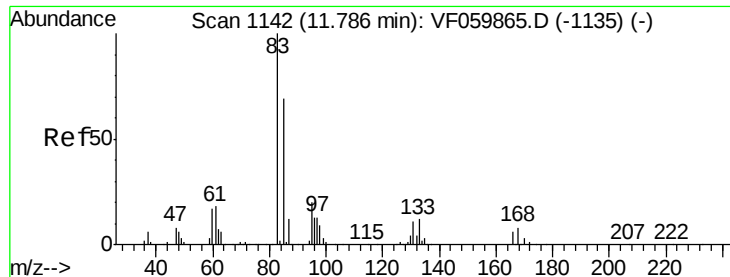
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.414 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampled :

BFB

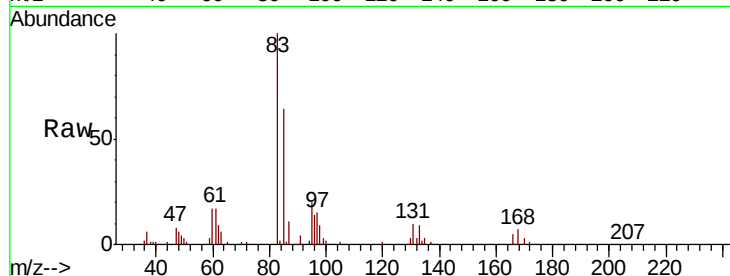
Tgt Ion: 83 Resp: 65634

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.9

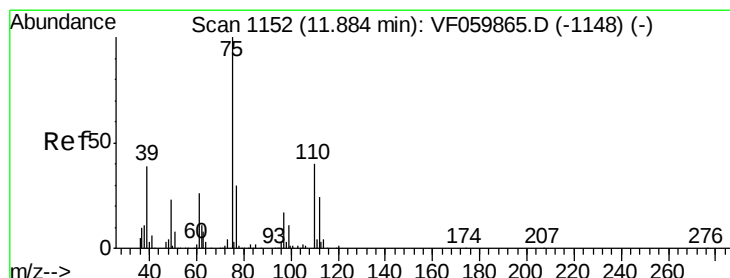
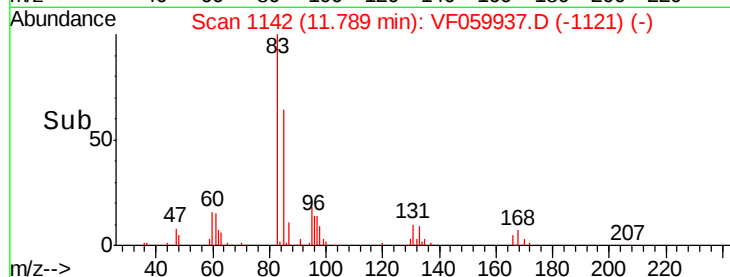
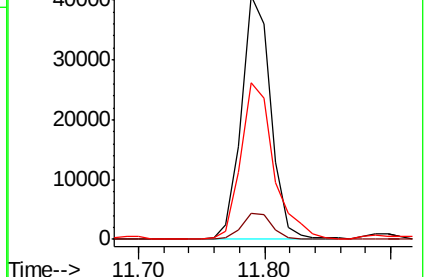
85 64.1 34.5 103.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 50.700 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059937.D

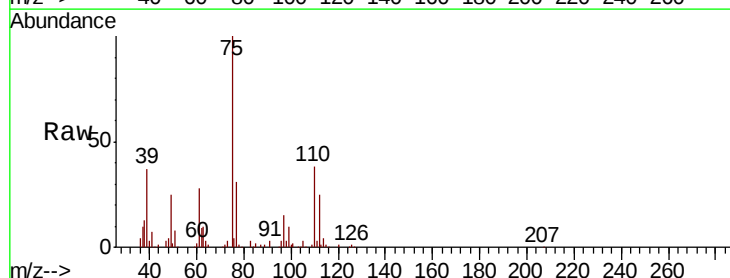
Acq: 10 Aug 2018 11:24

Tgt Ion: 75 Resp: 57841

Ion Ratio Lower Upper

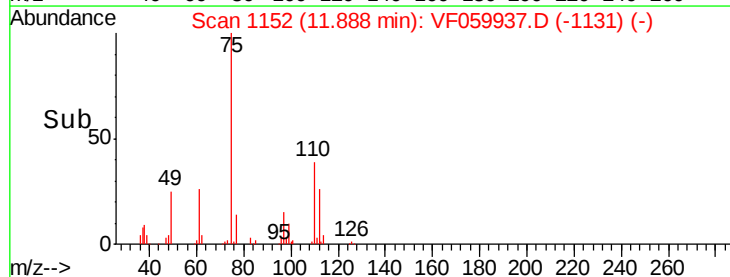
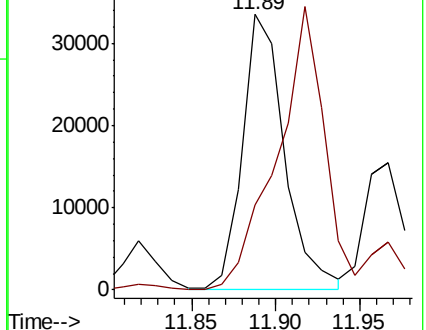
75 100

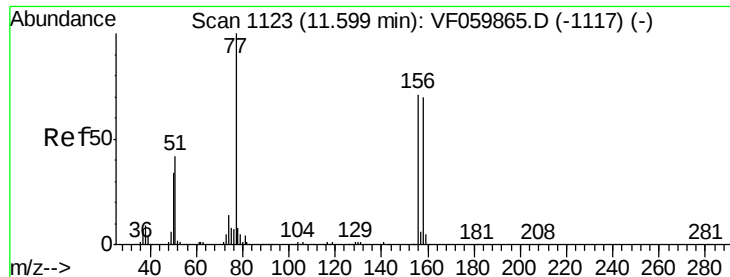
77 30.7 15.4 46.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 52.469 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

BFB

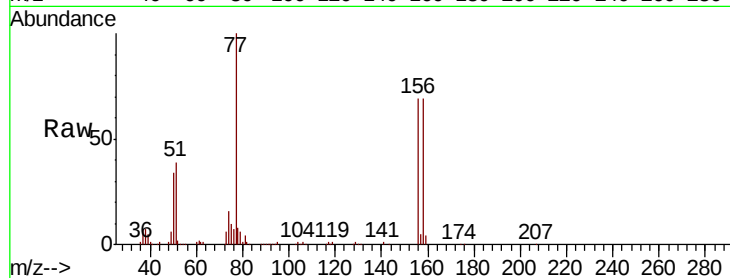
Tgt Ion:156 Resp: 100947

Ion Ratio Lower Upper

156 100

77 145.7 70.2 210.6

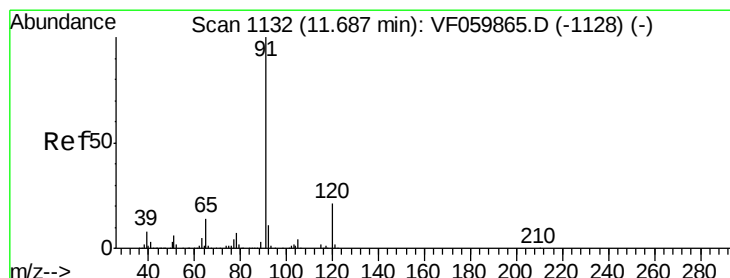
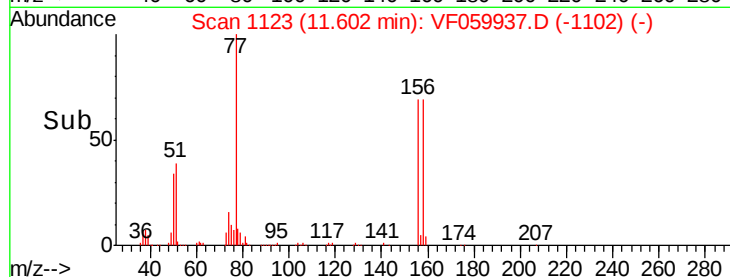
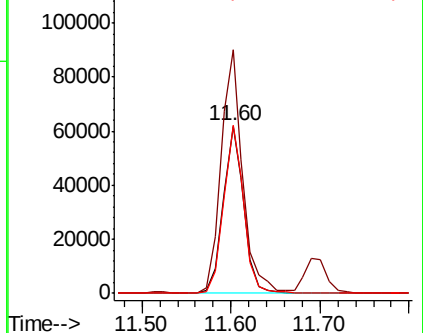
158 100.5 49.2 147.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 55.060 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059937.D

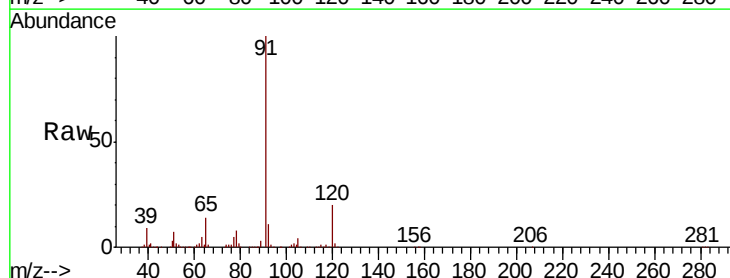
Acq: 10 Aug 2018 11:24

Tgt Ion: 91 Resp: 460023

Ion Ratio Lower Upper

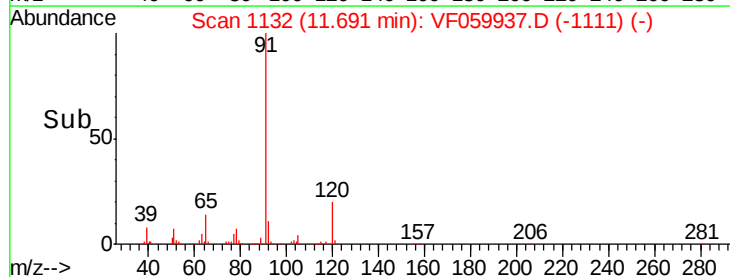
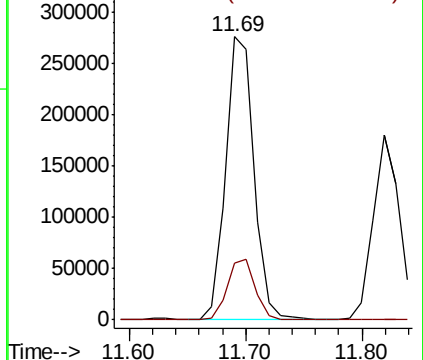
91 100

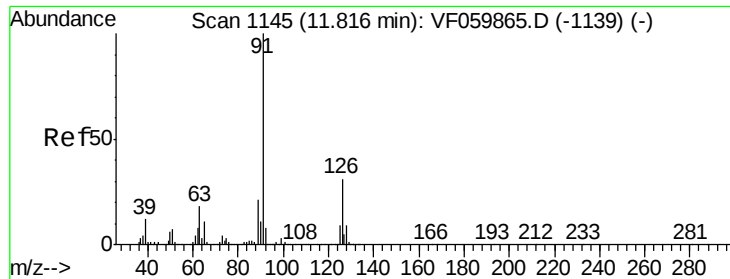
120 20.2 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

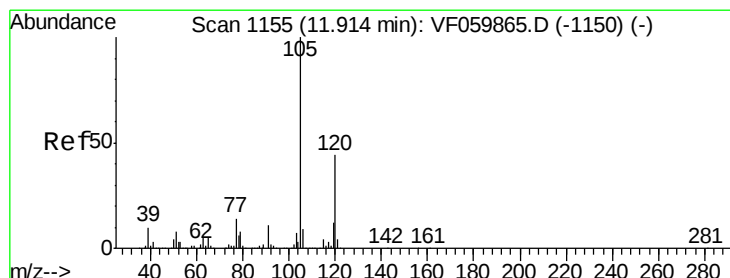
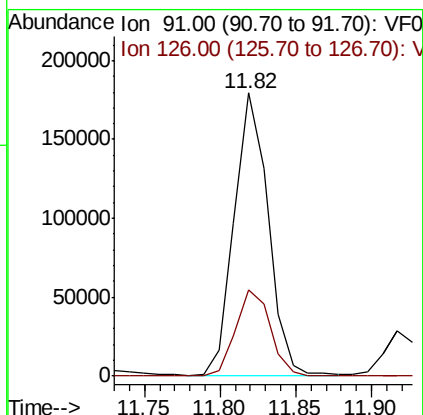
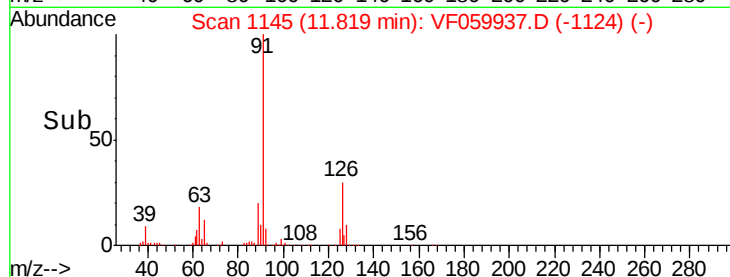
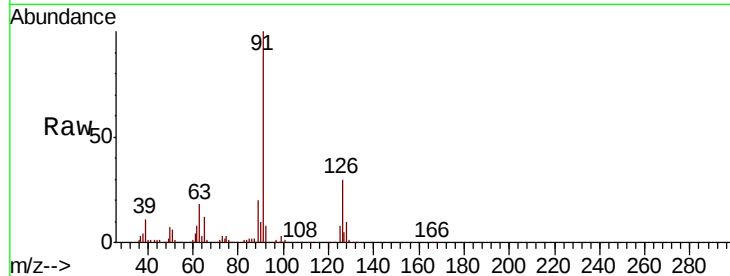




#79
 2-Chlorotoluene
 Concen: 52.527 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

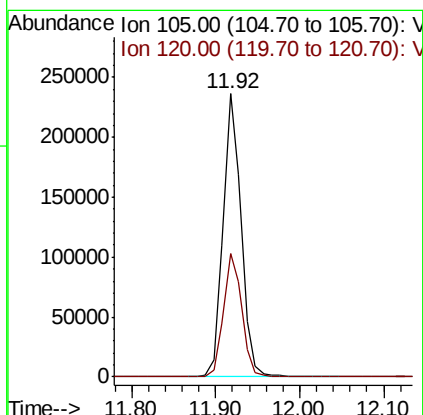
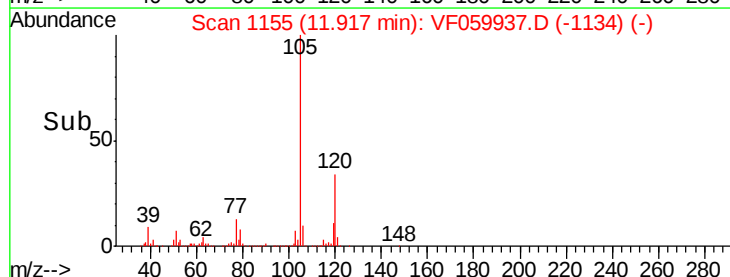
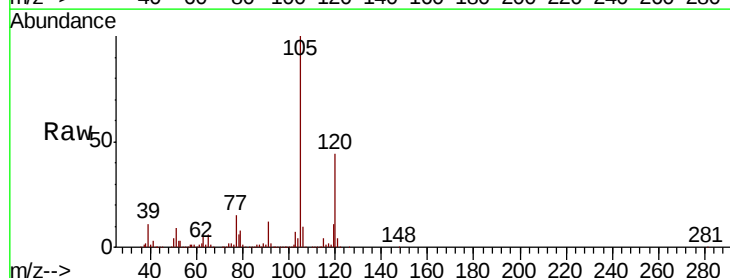
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

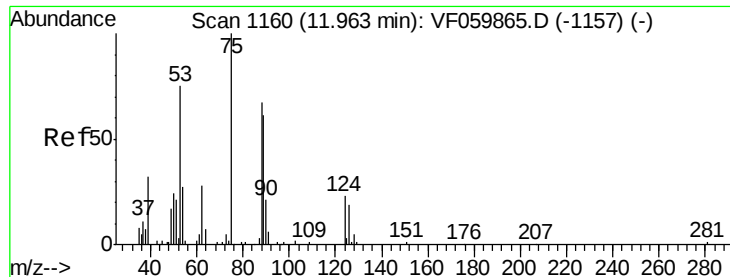
Tgt Ion: 91 Resp: 277611
 Ion Ratio Lower Upper
 91 100
 126 30.4 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 53.469 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion: 105 Resp: 351261
 Ion Ratio Lower Upper
 105 100
 120 43.5 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 86.722 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

BFB

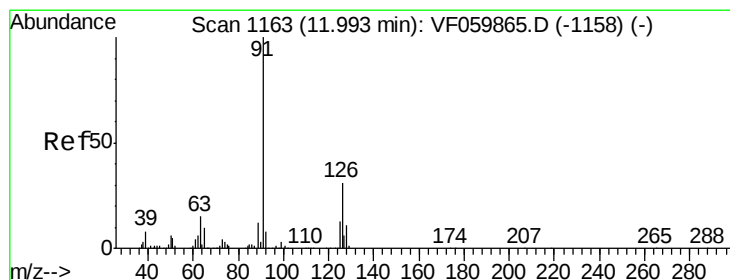
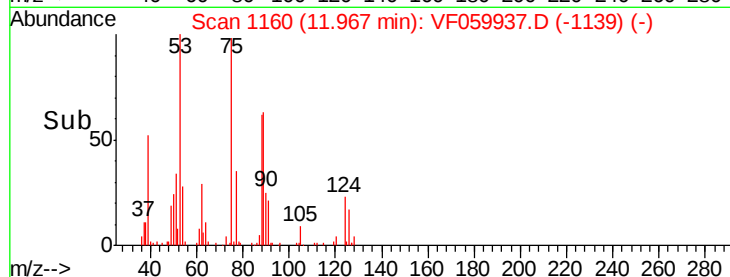
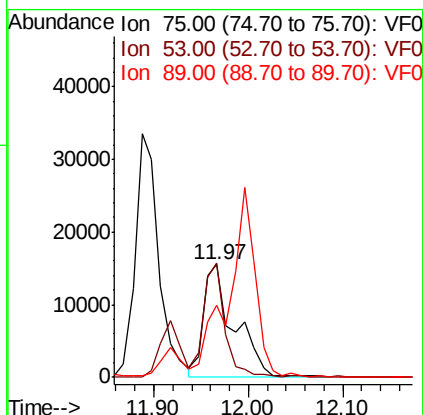
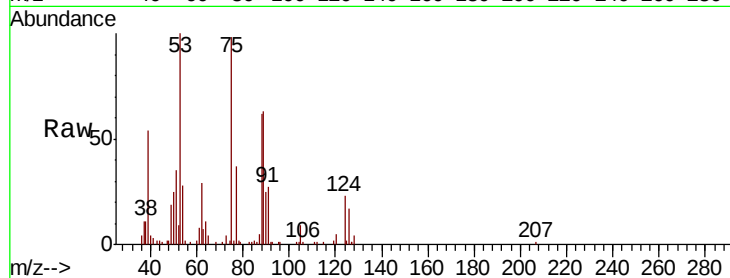
Tgt Ion: 75 Resp: 35537

Ion Ratio Lower Upper

75 100

53 102.0 65.9 98.9#

89 64.2 50.6 76.0



#82

4-Chlorotoluene

Concen: 52.801 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059937.D

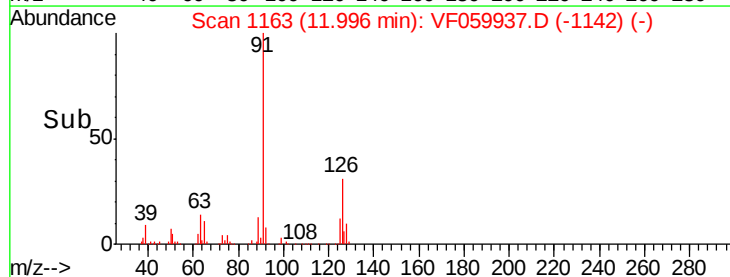
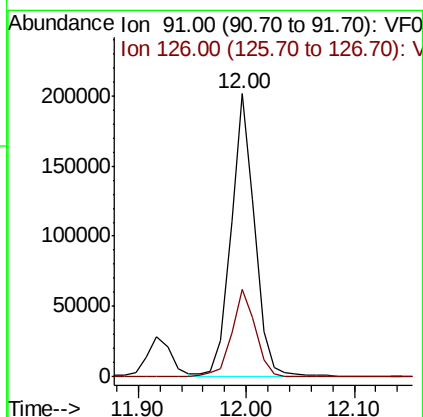
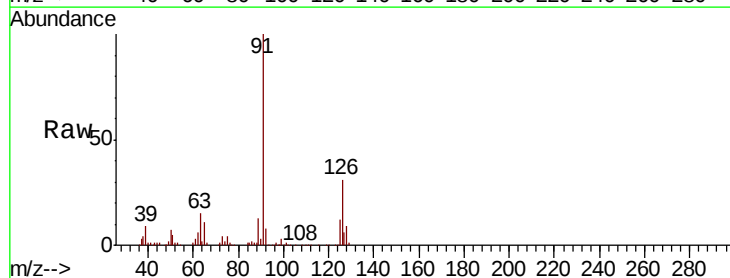
Acq: 10 Aug 2018 11:24

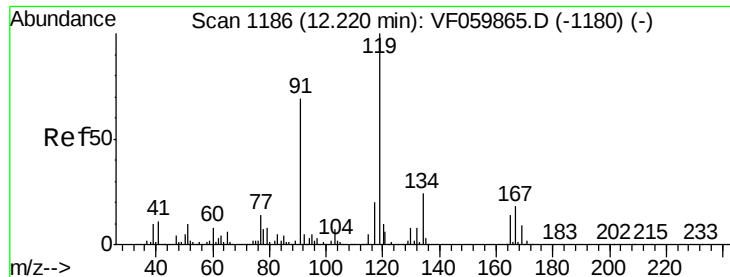
Tgt Ion: 91 Resp: 303009

Ion Ratio Lower Upper

91 100

126 31.1 15.7 47.0

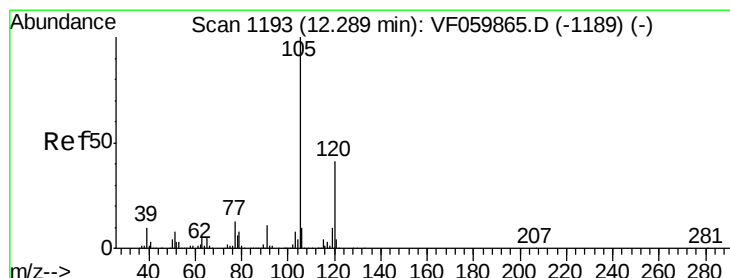
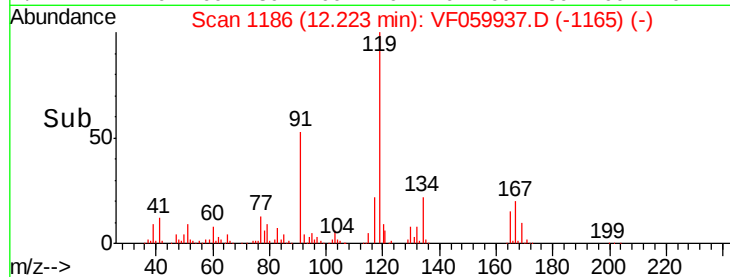
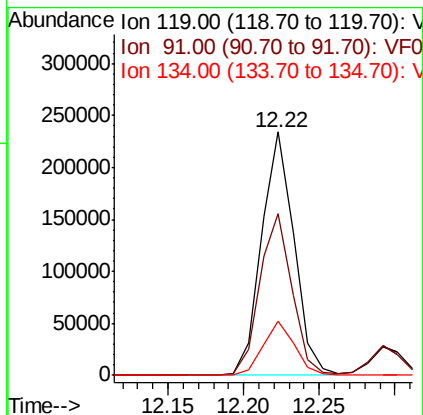
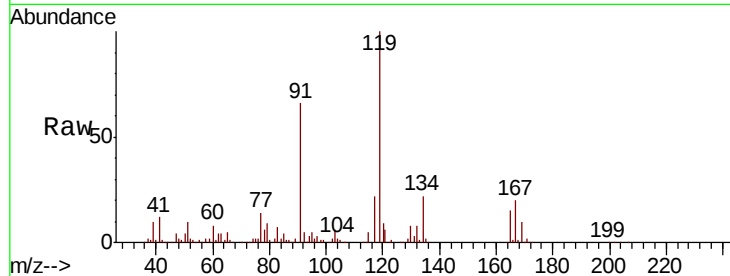




#83
 tert-Butylbenzene
 Concen: 55.282 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

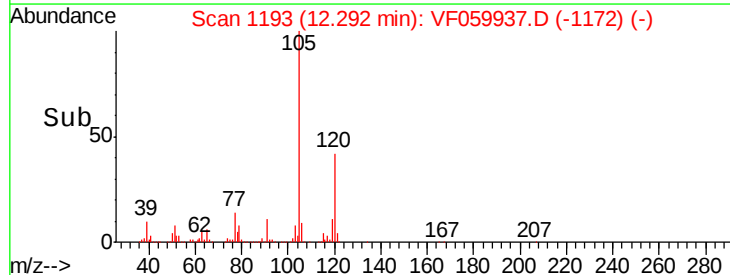
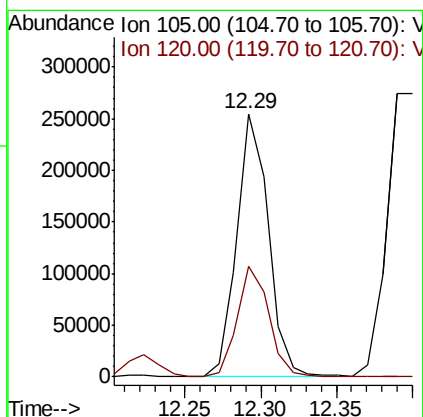
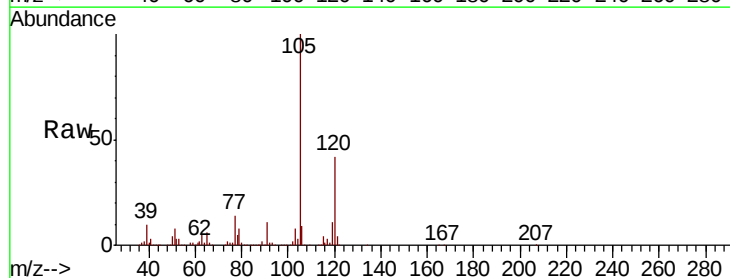
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

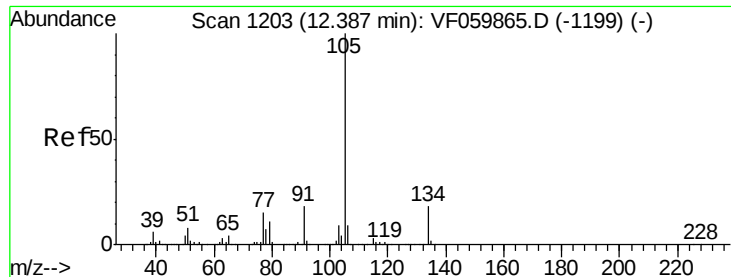
Tgt Ion:119 Resp: 353506
 Ion Ratio Lower Upper
 119 100
 91 66.4 34.4 103.2
 134 22.2 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 54.514 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion:105 Resp: 368321
 Ion Ratio Lower Upper
 105 100
 120 42.1 20.8 62.5

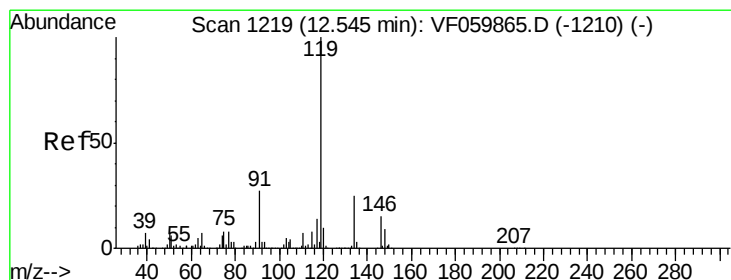
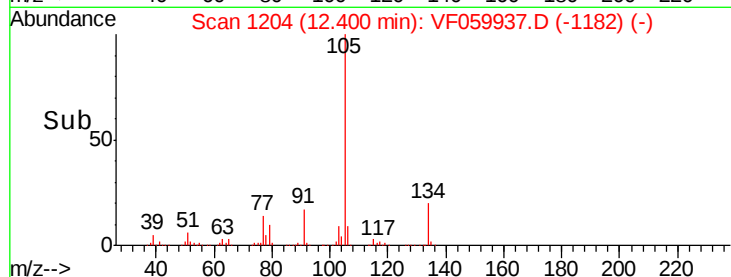
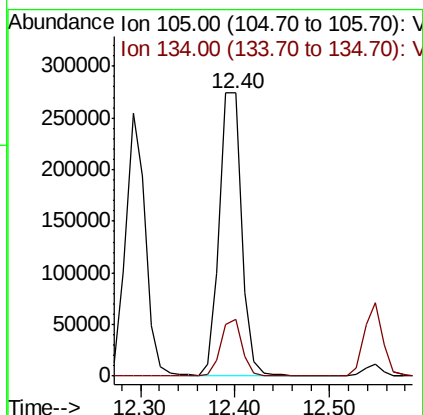
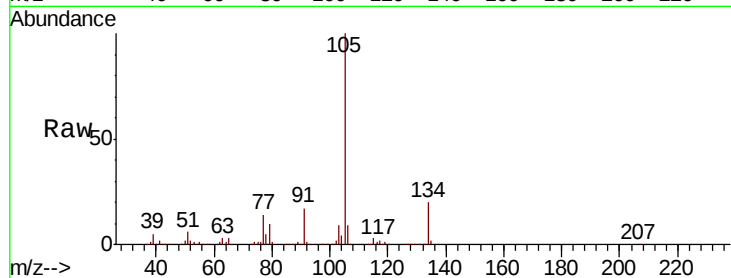




#85
 sec-Butylbenzene
 Concen: 52.832 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

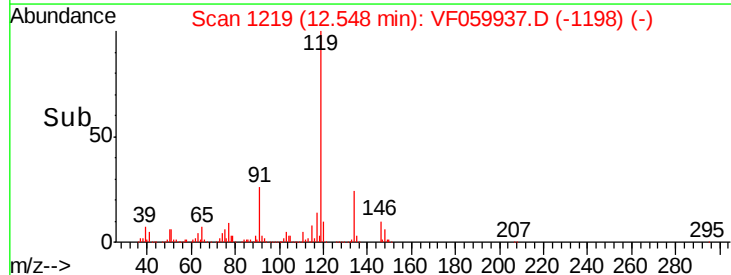
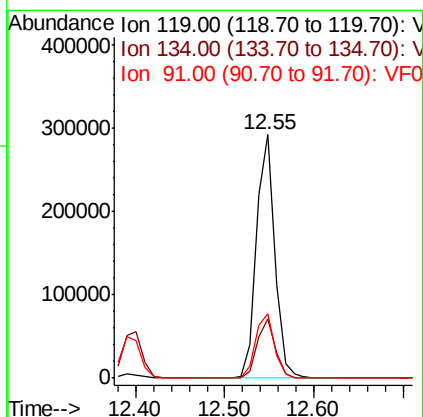
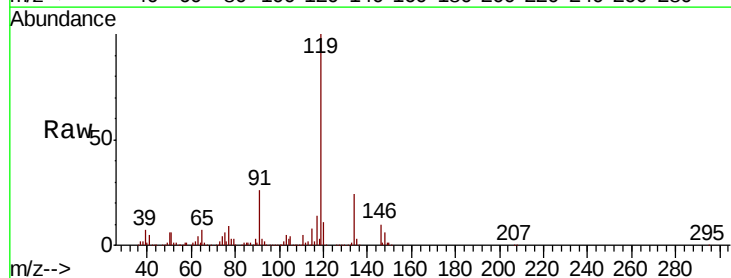
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

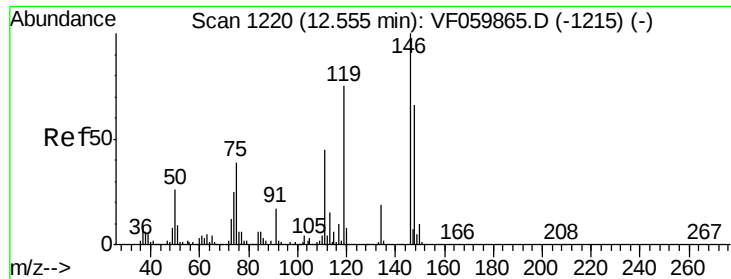
Tgt Ion:105 Resp: 448890
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 57.360 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion:119 Resp: 409627
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.4 37.0
 91 26.3 13.6 40.7

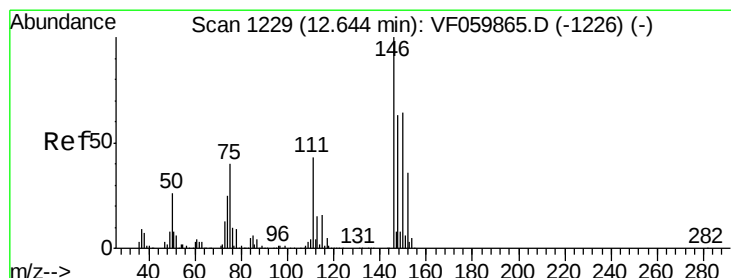
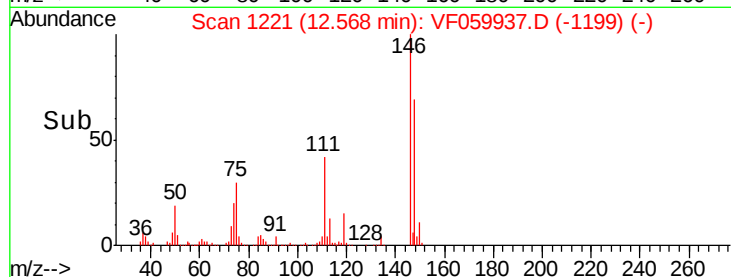
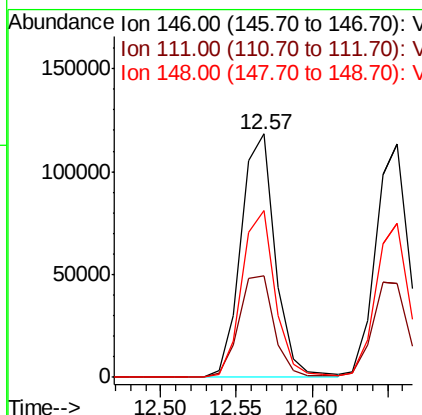
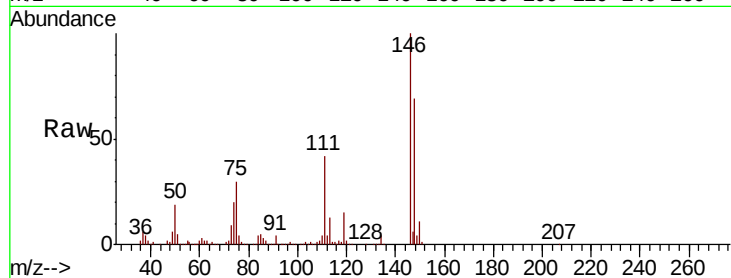




#87
 1,3-Dichlorobenzene
 Concen: 51.252 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

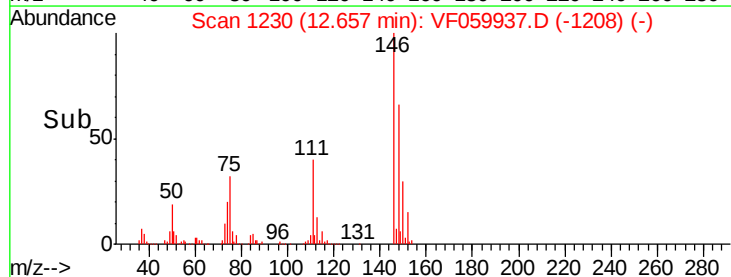
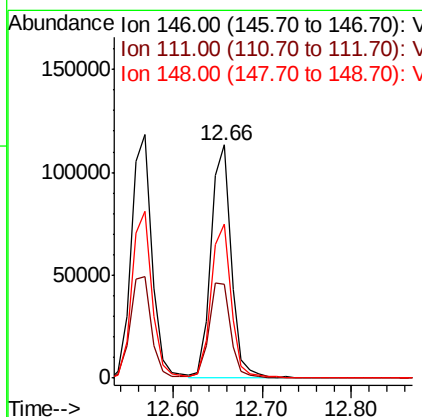
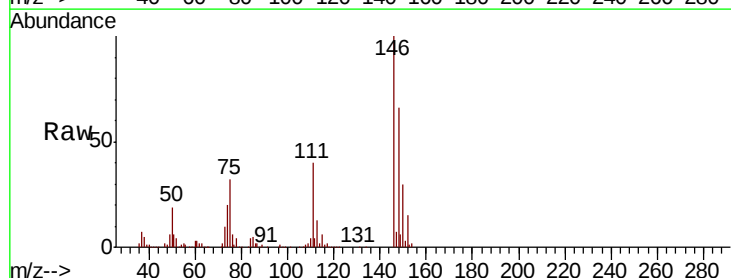
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

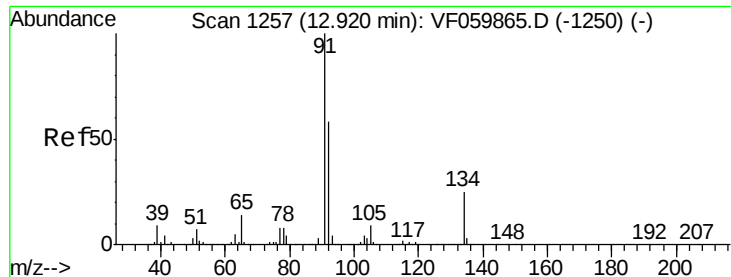
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	22.4	67.0
148	68.6	33.1	99.3



#88
 1,4-Dichlorobenzene
 Concen: 49.991 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.4	64.2
148	66.3	31.6	94.7





#89

n-Butylbenzene

Concen: 57.532 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

BFB

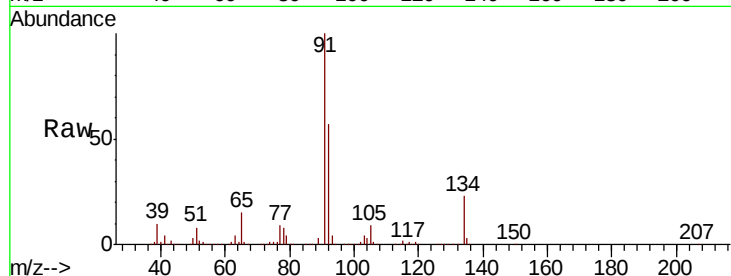
Tgt Ion: 91 Resp: 391564

Ion Ratio Lower Upper

91 100

92 57.1 28.8 86.5

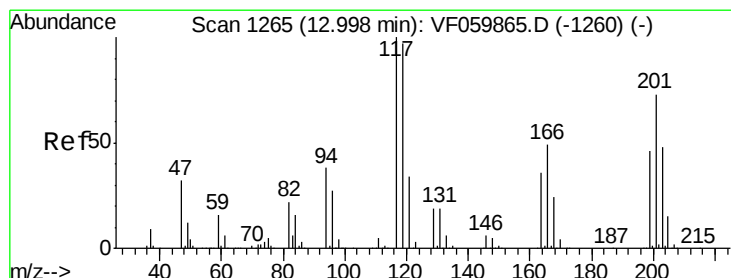
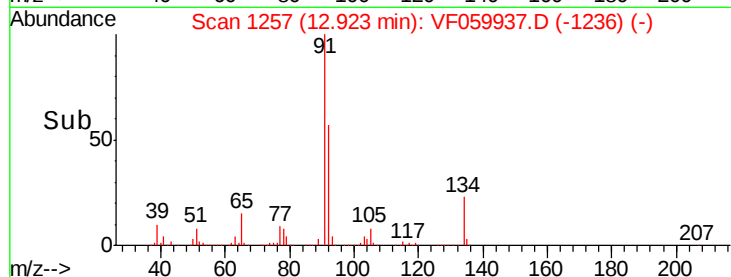
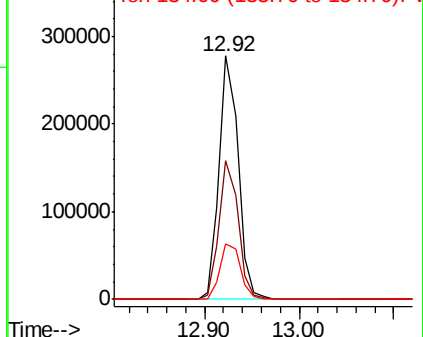
134 22.9 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 48.595 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF059937.D

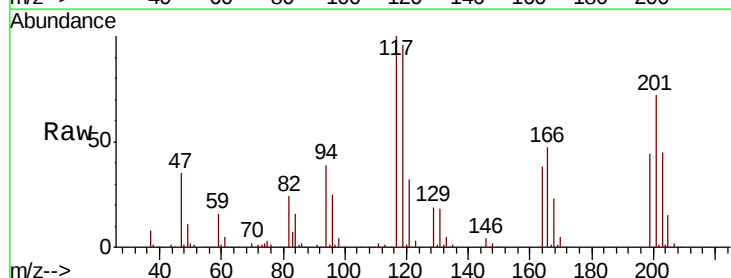
Acq: 10 Aug 2018 11:24

Tgt Ion: 117 Resp: 95764

Ion Ratio Lower Upper

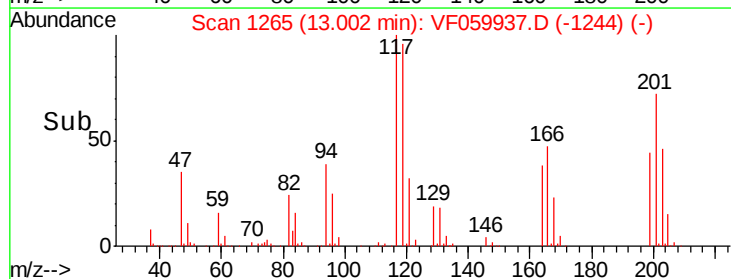
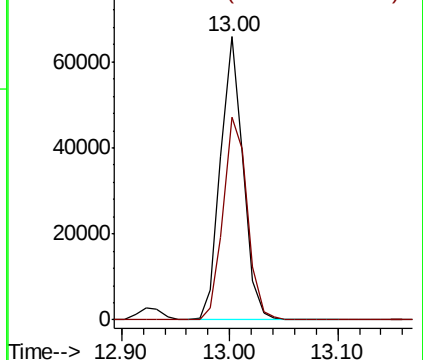
117 100

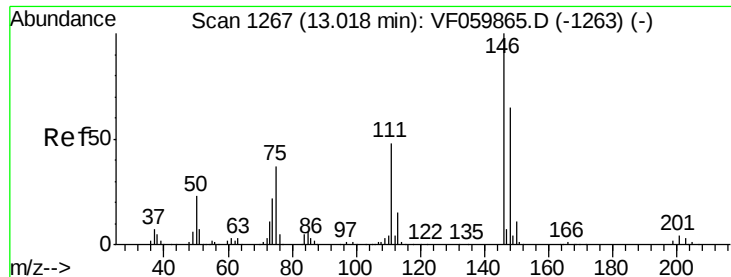
201 71.6 36.6 109.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

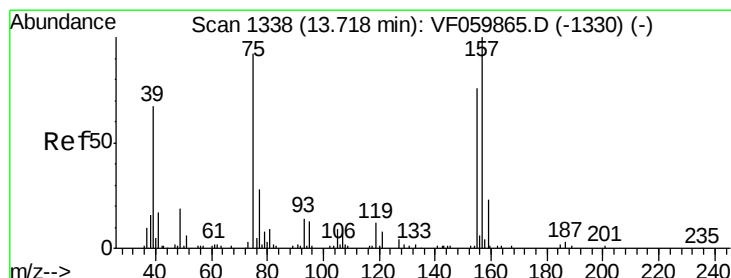
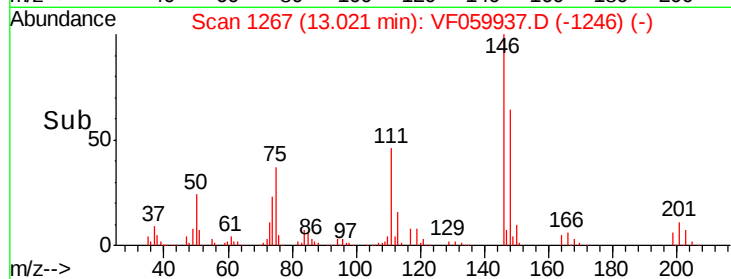
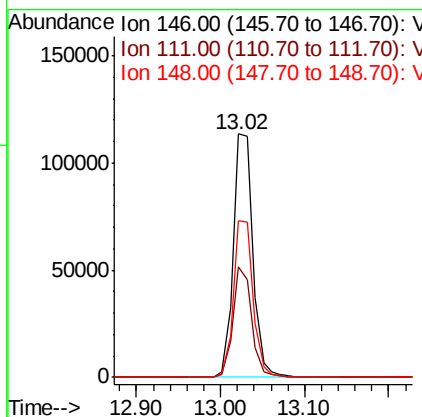
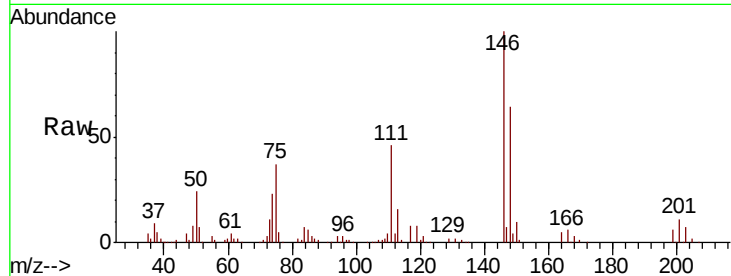




#91
 1,2-Dichlorobenzene
 Concen: 52.727 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

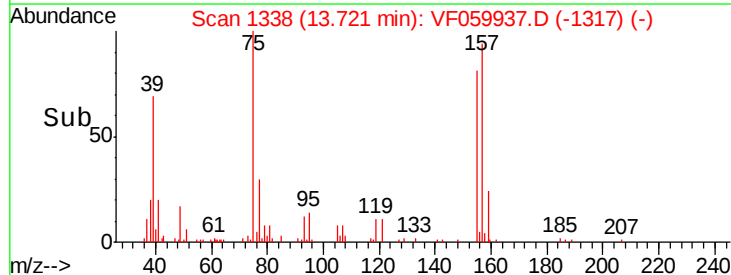
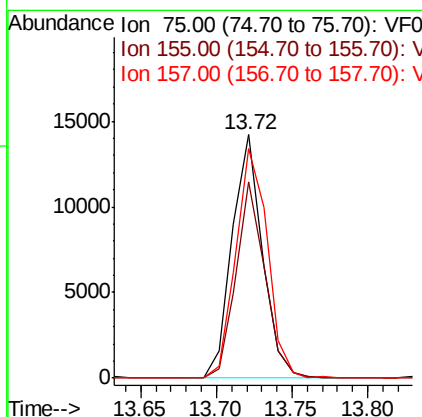
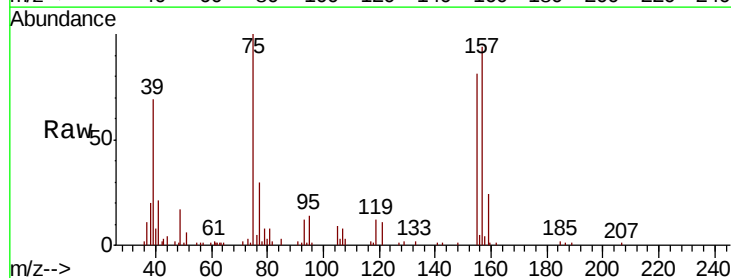
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

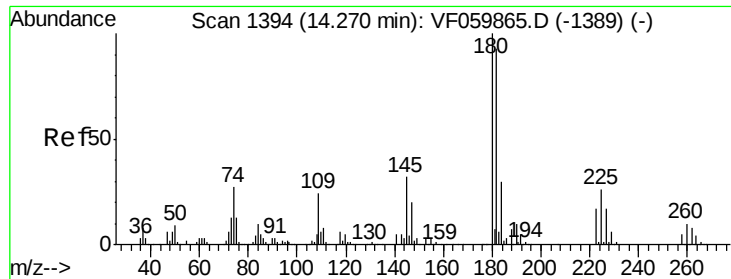
Tgt Ion: 146 Resp: 184967
 Ion Ratio Lower Upper
 146 100
 111 45.5 24.1 72.2
 148 64.4 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.722 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion: 75 Resp: 19663
 Ion Ratio Lower Upper
 75 100
 155 80.6 41.2 123.6
 157 98.6 54.5 163.6

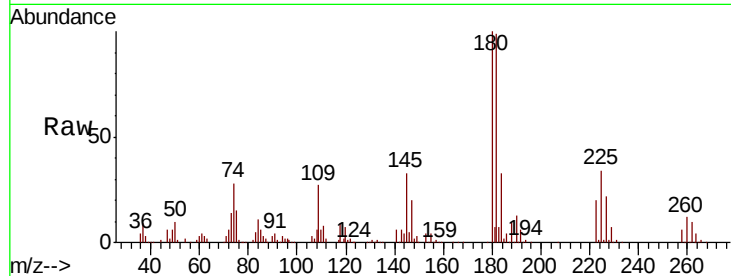




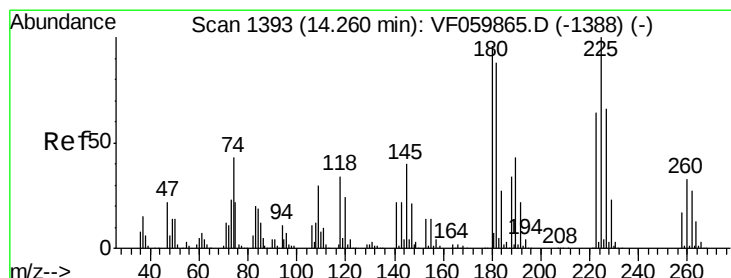
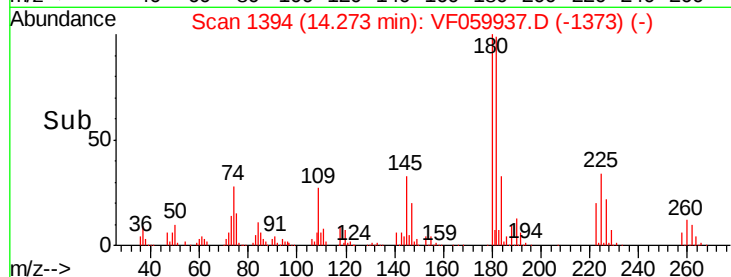
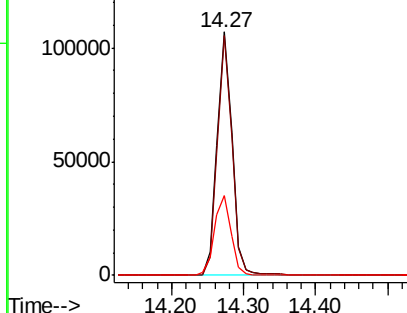
#93
 1,2,4-Trichlorobenzene
 Concen: 57.371 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Instrument :
 MSVOA_F
 ClientSampled :
 BFB

Tgt Ion:180 Resp: 152804
 Ion Ratio Lower Upper
 180 100
 182 98.7 46.4 139.2
 145 32.8 15.9 47.7

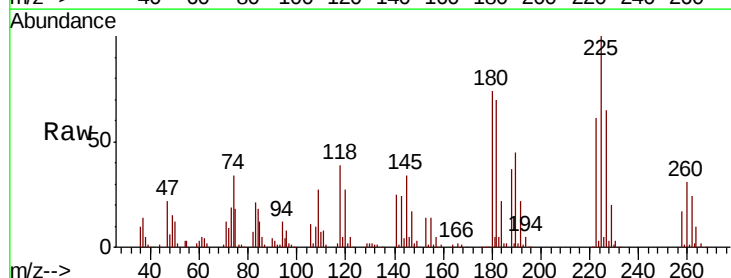


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

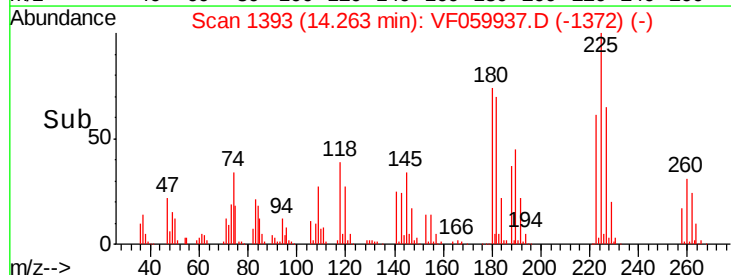
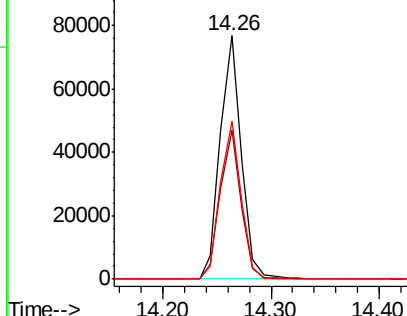


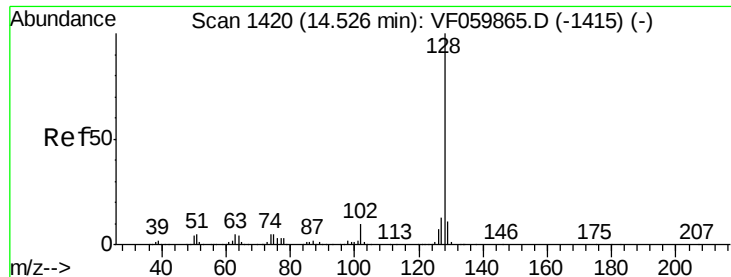
#94
 Hexachlorobutadiene
 Concen: 55.427 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion:225 Resp: 104287
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.9 95.9
 227 64.7 32.8 98.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

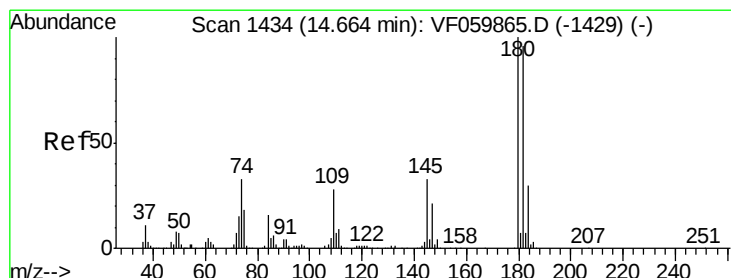
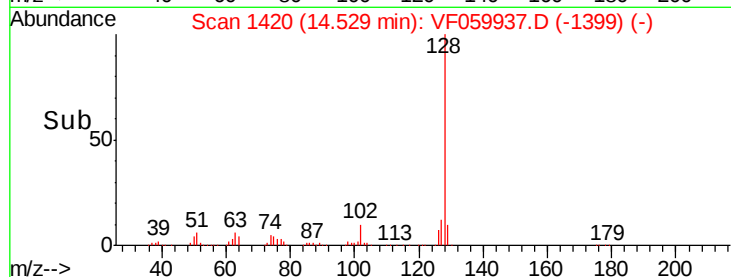
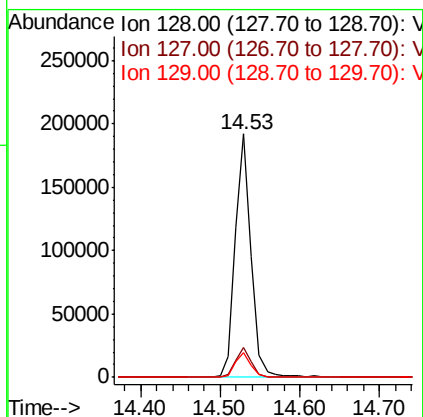
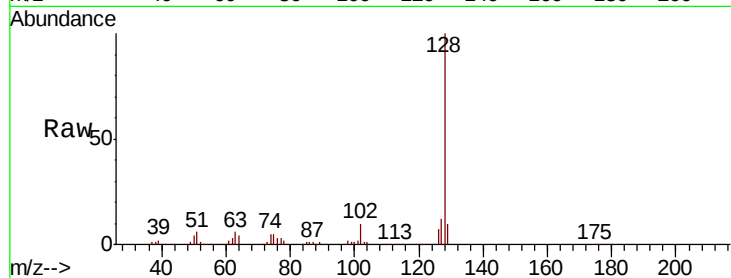




#95
Naphthalene
Concen: 58.309 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.4	15.6
129	10.2	9.0	13.6



#96
1,2,3-Trichlorobenzene
Concen: 54.885 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	48.1	144.3
145	31.5	16.6	49.8

