

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
 Data File : VF060720.D
 Acq On : 14 Nov 2018 11:48
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Quant Time: Nov 15 06:35:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	220803	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	377454	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	357449	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	184072	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	116227	46.15	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	4.09	113	135603	47.79	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	7.53	98	373182	51.36	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.40	95	170432	50.83	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	198817	50.313	ug/l	97
3) Chloromethane	1.09	50	123817	50.523	ug/l	97
4) Vinyl Chloride	1.14	62	116540	53.159	ug/l	95
5) Bromomethane	1.32	94	76432	54.885	ug/l	91
6) Chloroethane	1.37	64	50075	58.381	ug/l	94
7) Trichlorofluoromethane	1.48	101	183078	37.765	ug/l	97
8) Diethyl Ether	1.62	74	31823	51.233	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.81	101	120645	52.809	ug/l	96
10) Methyl Iodide	1.88	142	132577	36.169	ug/l	99
11) Tert butyl alcohol	2.56	59	26141	228.067	ug/l	99
12) 1,1-Dichloroethene	1.77	96	95805	53.184	ug/l	98
13) Acrolein	1.99	56	29103	277.694	ug/l	99
14) Allyl chloride	2.09	41	171116	54.222	ug/l	92
15) Acrylonitrile	2.92	53	61266	250.845	ug/l	96
16) Acetone	2.22	43	149145	277.059	ug/l	96
17) Carbon Disulfide	1.75	76	83722	15.377	ug/l	95
18) Methyl Acetate	2.33	43	42403	47.971	ug/l	96
19) Methyl tert-butyl Ether	2.41	73	213171	49.327	ug/l	99
20) Methylene Chloride	2.17	84	51483	27.488	ug/l	96
21) trans-1,2-Dichloroethene	2.29	96	98236	52.196	ug/l	94
22) Diisopropyl ether	2.78	45	316208	51.899	ug/l	99
23) Vinyl Acetate	3.16	43	762341	265.711	ug/l	100
24) 1,1-Dichloroethane	2.86	63	199323	54.037	ug/l	99
25) 2-Butanone	4.31	43	239173	270.118	ug/l	99
26) 2,2-Dichloropropane	3.58	77	158361	54.557	ug/l	93
27) cis-1,2-Dichloroethene	3.46	96	167299	52.254	ug/l	95
28) Bromochloromethane	3.69	49	91037	47.490	ug/l	92
29) Tetrahydrofuran	4.05	42	91179	249.649	ug/l	98
30) Chloroform	3.83	83	292295	49.388	ug/l	96
31) Cyclohexane	3.67	56	231391	51.686	ug/l	98
32) 1,1,1-Trichloroethane	4.07	97	237301	50.917	ug/l	95
36) 1,1-Dichloropropene	4.26	75	226041	51.637	ug/l	100
37) Ethyl Acetate	4.09	43	79529	48.866	ug/l	93
38) Carbon Tetrachloride	3.97	117	222747	52.441	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	261564	51.503	ug/l	97
40) Benzene	4.61	78	496212	50.851	ug/l	98
41) Methacrylonitrile	4.72	41	44547	51.466	ug/l	94
42) 1,2-Dichloroethane	4.92	62	164947	48.914	ug/l	99
43) Isopropyl Acetate	6.94	43	105216	48.760	ug/l #	98
44) Trichloroethene	5.48	130	155759	50.592	ug/l	95
45) 1,2-Dichloropropane	6.22	63	125838	49.557	ug/l	97
46) Dibromomethane	6.06	93	82822	49.411	ug/l	91
47) Bromodichloromethane	6.37	83	208399	48.687	ug/l	99
48) Methyl methacrylate	6.69	41	67918	47.558	ug/l	98
49) 1,4-Dioxane	6.68	88	13600	1018.260	ug/l #	89
51) 4-Methyl-2-Pentanone	8.24	43	378966	242.825	ug/l	99
52) Toluene	7.60	92	330747	50.579	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	160107	46.701	ug/l	94
54) cis-1,3-Dichloropropene	7.28	75	213441	47.930	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	90560	48.470	ug/l	97
56) Ethyl methacrylate	8.60	69	104414	49.207	ug/l	96
57) 1,3-Dichloropropane	8.83	76	162540	50.197	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.60	63	46832	241.608	ug/l	100
59) 2-Hexanone	9.47	43	300503	273.987	ug/l	98
60) Dibromochloromethane	8.70	129	132210	49.651	ug/l	92
61) 1,2-Dibromoethane	8.97	107	99835	50.808	ug/l	100
64) Tetrachloroethene	8.13	164	135262	47.786	ug/l	99
65) Chlorobenzene	9.78	112	364574	50.544	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.91	131	149723	47.590	ug/l	99
67) Ethyl Benzene	9.88	91	626564	46.084	ug/l	99
68) m/p-Xylenes	10.12	106	448453	92.295	ug/l	97
69) o-Xylene	10.70	106	269187	49.277	ug/l	90
70) Styrene	10.78	104	348009	46.941	ug/l	98
71) Bromoform	10.76	173	67709	47.860	ug/l	95
73) Isopropylbenzene	11.11	105	792960	53.519	ug/l	98
74) N-amyl acetate	11.36	43	182883	54.220	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.68	83	119266	48.688	ug/l	96
76) 1,2,3-Trichloropropane	11.78	75	86826	47.725	ug/l	100
77) Bromobenzene	11.49	156	159926	51.855	ug/l	88
78) n-propylbenzene	11.59	91	833316	48.224	ug/l	99
79) 2-Chlorotoluene	11.70	91	499901	49.774	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	617687	52.511	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	54494	60.970	ug/l	98
82) 4-Chlorotoluene	11.89	91	524125	50.940	ug/l	95
83) tert-Butylbenzene	12.12	119	658512	52.725	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	620692	51.020	ug/l	100
85) sec-Butylbenzene	12.30	105	872898	51.521	ug/l	100
86) p-Isopropyltoluene	12.44	119	714630	50.503	ug/l	95
87) 1,3-Dichlorobenzene	12.46	146	297198	48.423	ug/l	100
88) 1,4-Dichlorobenzene	12.55	146	308072	52.227	ug/l	97
89) n-Butylbenzene	12.83	91	725878	50.267	ug/l	97
90) Hexachloroethane	12.91	117	181618	52.476	ug/l	93
91) 1,2-Dichlorobenzene	12.93	146	284172	49.174	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	21619	46.956	ug/l	93

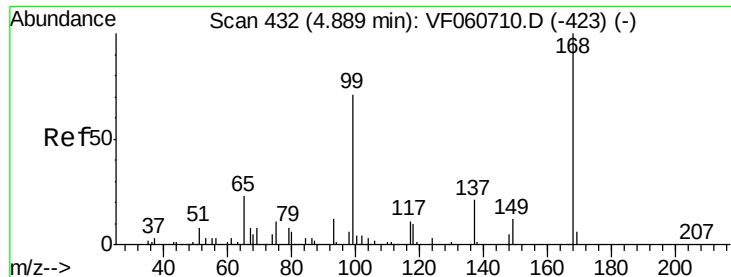
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
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QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	200649	48.307	ug/l	97
94) Hexachlorobutadiene	14.18	225	141338	52.072	ug/l	97
95) Naphthalene	14.45	128	396923	52.371	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	193606	50.442	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

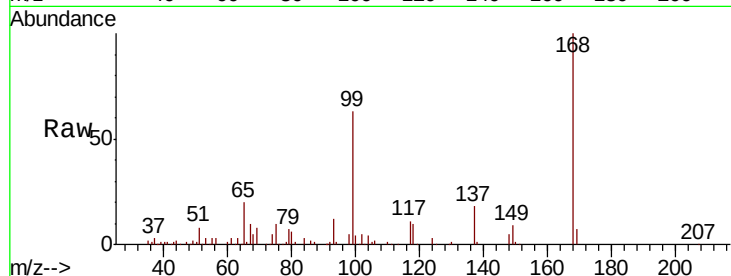
BFB

Tgt Ion:168 Resp: 220803

Ion Ratio Lower Upper

168 100

99 62.7 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

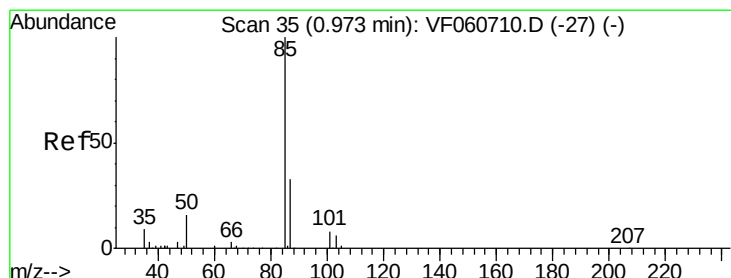
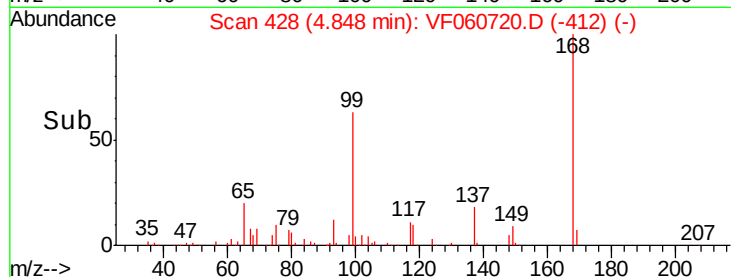
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 50.313 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060720.D

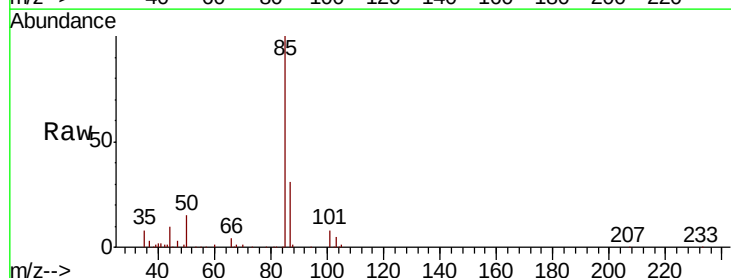
Acq: 14 Nov 2018 11:48

Tgt Ion: 85 Resp: 198817

Ion Ratio Lower Upper

85 100

87 30.7 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

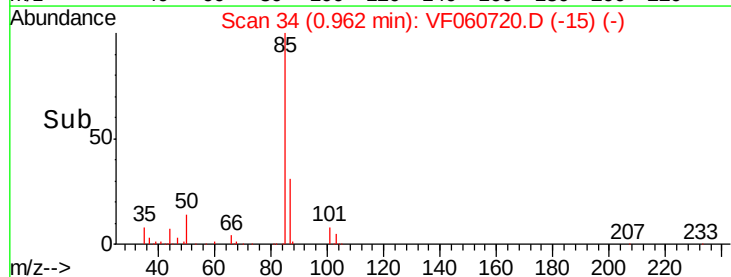
40000

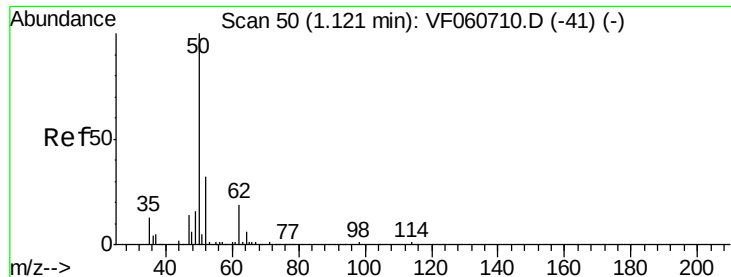
20000

0

0.80 1.00 1.20

Time-->





#3

Chloromethane

Concen: 50.523 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

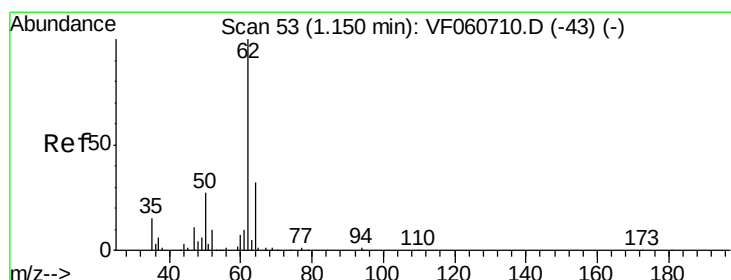
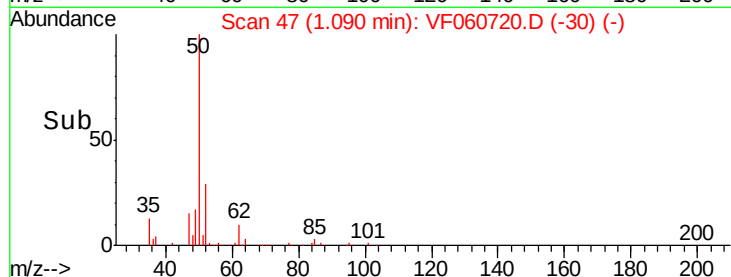
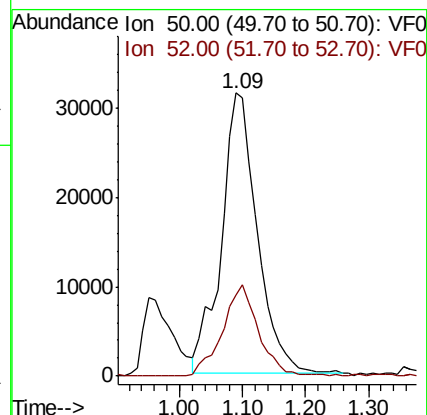
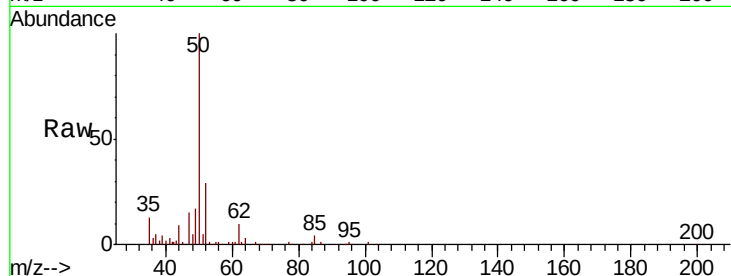
BFB

Tgt Ion: 50 Resp: 123817

Ion Ratio Lower Upper

50 100

52 28.8 24.2 36.2



#4

Vinyl Chloride

Concen: 53.159 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060720.D

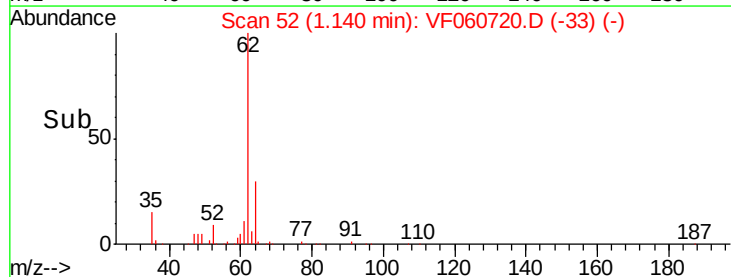
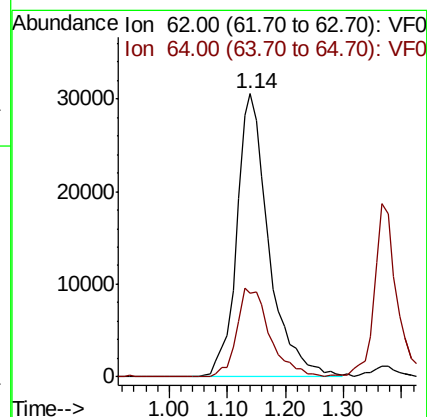
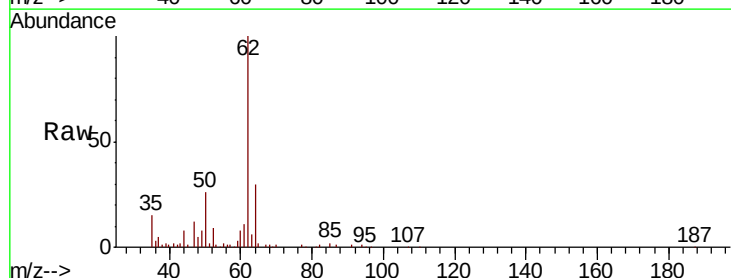
Acq: 14 Nov 2018 11:48

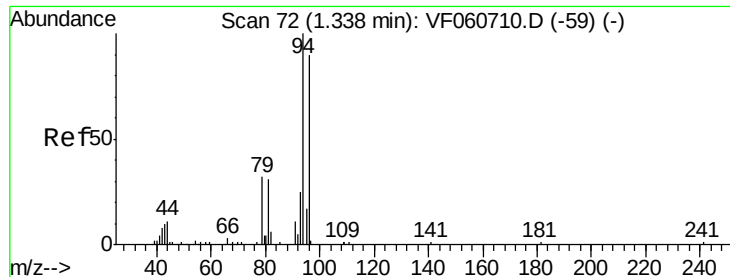
Tgt Ion: 62 Resp: 116540

Ion Ratio Lower Upper

62 100

64 29.5 25.8 38.8





#5

Bromomethane

Concen: 54.885 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

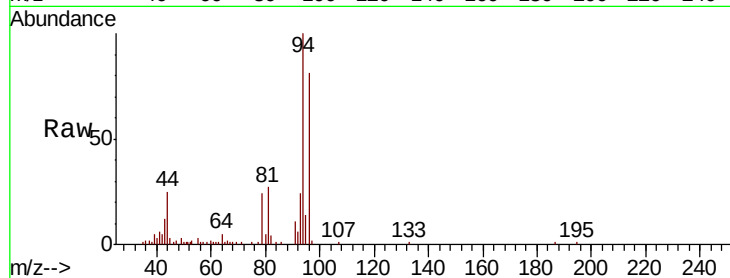
BFB

Tgt Ion: 94 Resp: 76432

Ion Ratio Lower Upper

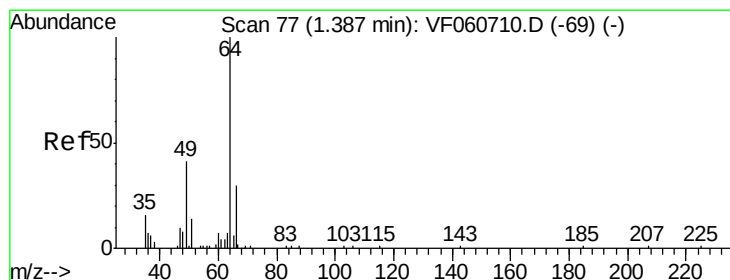
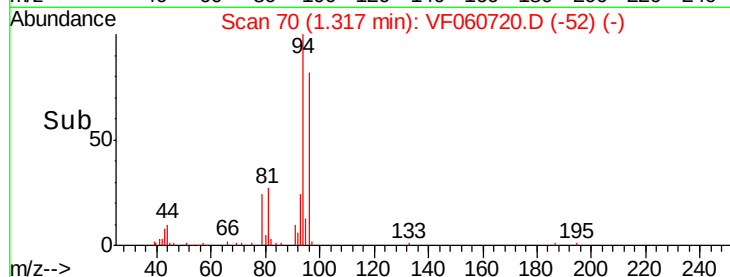
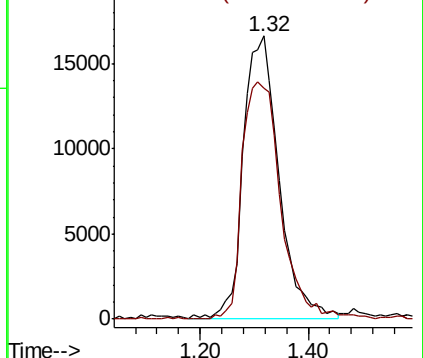
94 100

96 81.4 71.9 107.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 58.381 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF060720.D

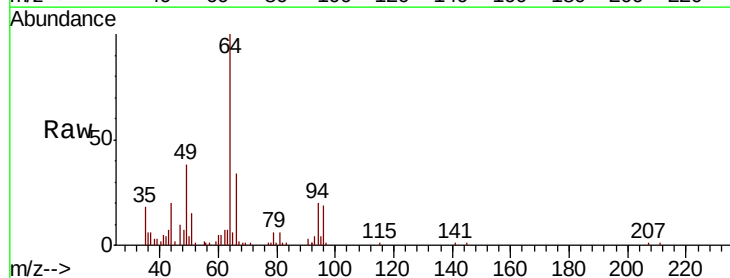
Acq: 14 Nov 2018 11:48

Tgt Ion: 64 Resp: 50075

Ion Ratio Lower Upper

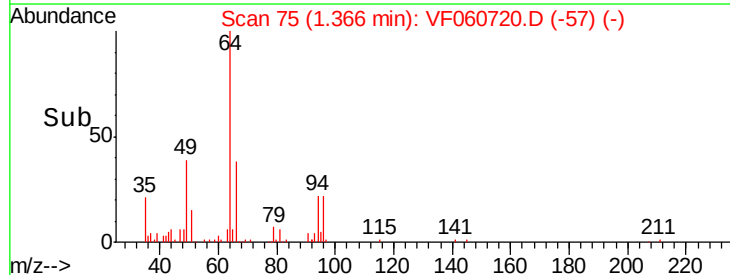
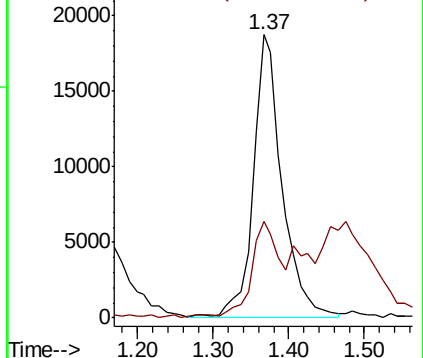
64 100

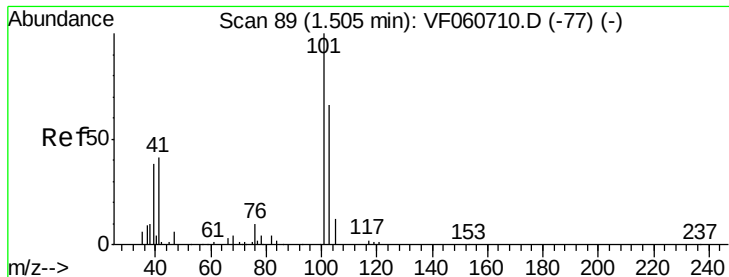
66 34.1 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 37.765 ug/l

RT: 1.48 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

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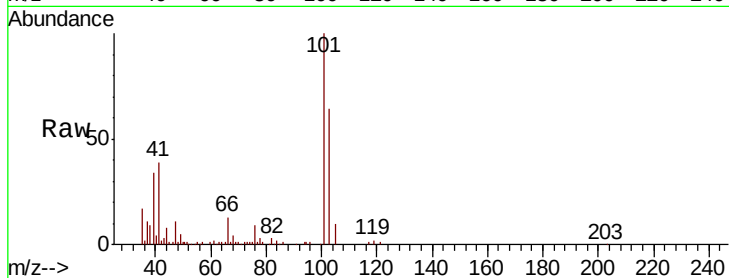
BFB

Tgt Ion: 101 Resp: 183078

Ion Ratio Lower Upper

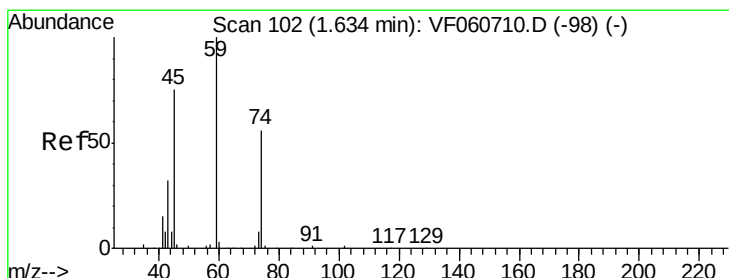
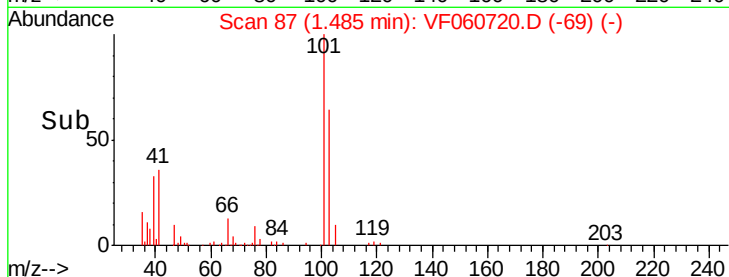
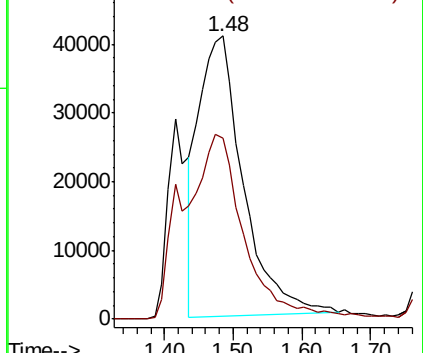
101 100

103 64.1 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 51.233 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF060720.D

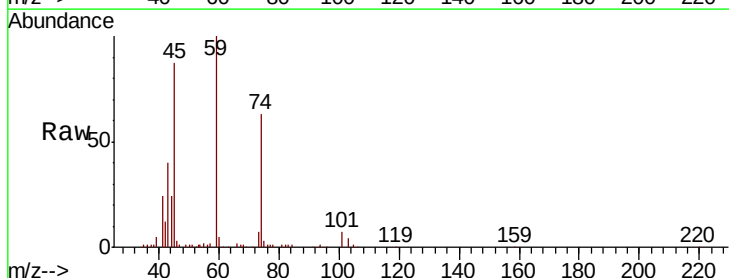
Acq: 14 Nov 2018 11:48

Tgt Ion: 74 Resp: 31823

Ion Ratio Lower Upper

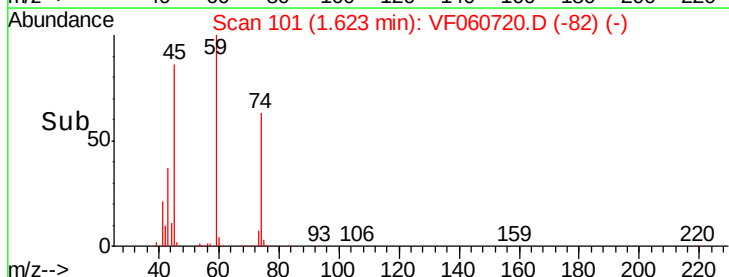
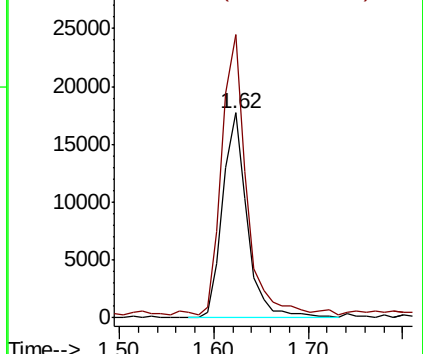
74 100

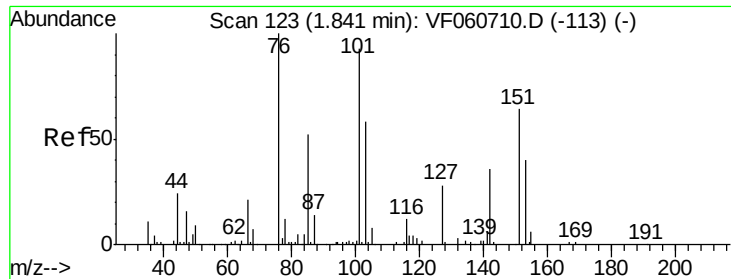
45 138.2 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.809 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

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ClientSampleId :

BFB

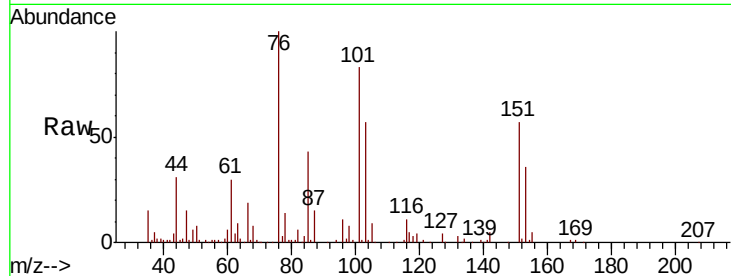
Tgt Ion:101 Resp: 120645

Ion Ratio Lower Upper

101 100

85 51.5 43.6 65.4

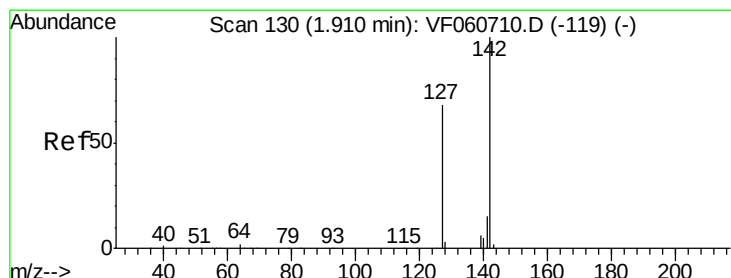
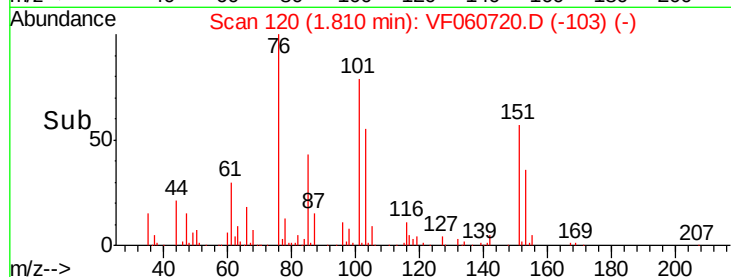
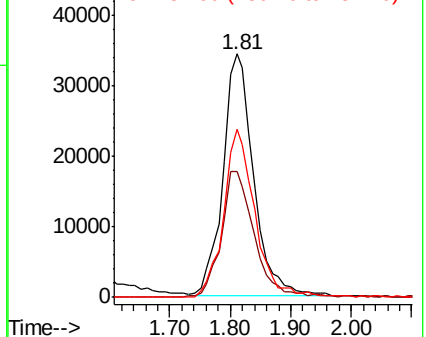
151 68.9 53.1 79.7



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: 36.169 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

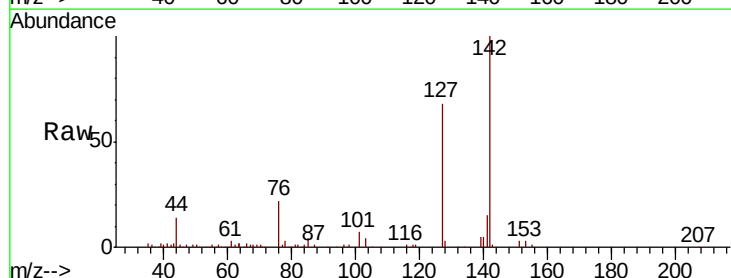
Tgt Ion:142 Resp: 132577

Ion Ratio Lower Upper

142 100

127 68.1 54.0 81.0

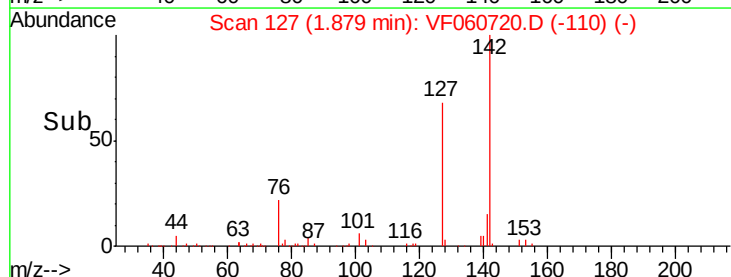
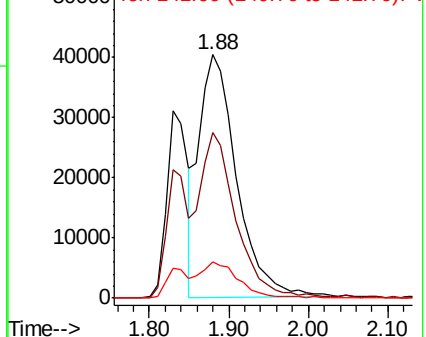
141 14.8 12.3 18.5

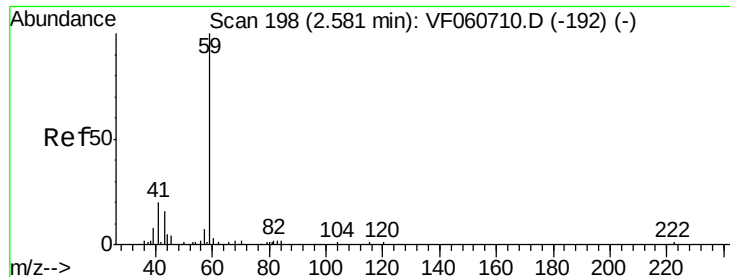


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

Tert butyl alcohol

Concen: 228.067 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

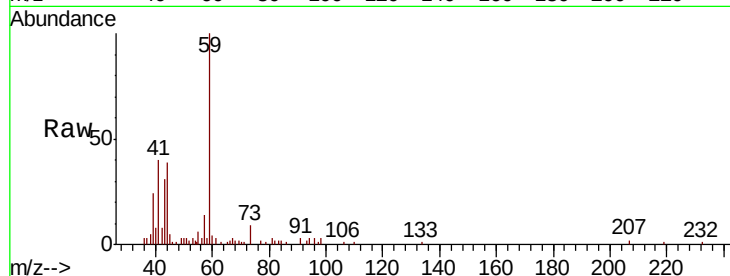
BFB

Tgt Ion: 59 Resp: 26141

Ion Ratio Lower Upper

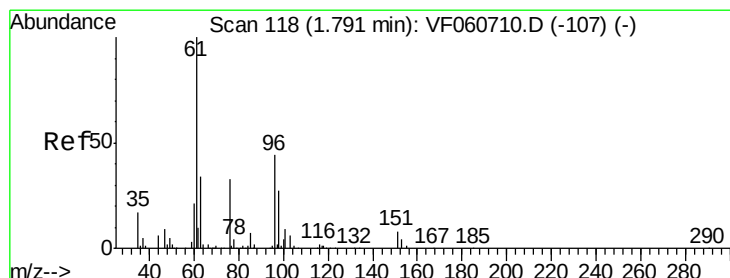
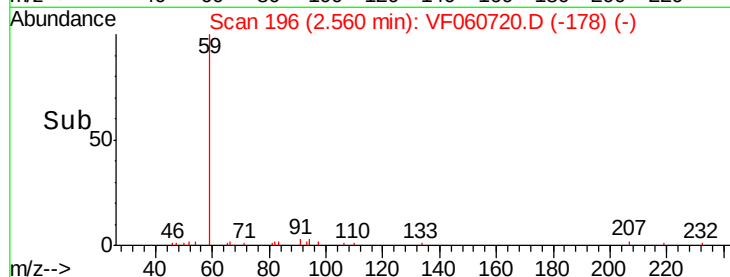
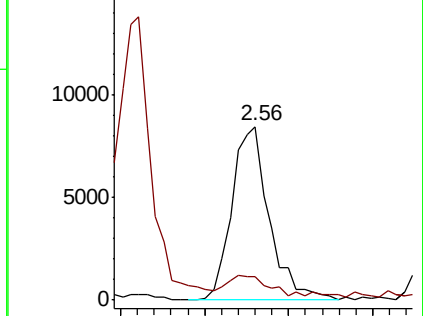
59 100

57 13.5 10.5 15.7



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



#12

1,1-Dichloroethene

Concen: 53.184 ug/l

RT: 1.77 min Scan# 116

Delta R.T. -0.02 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

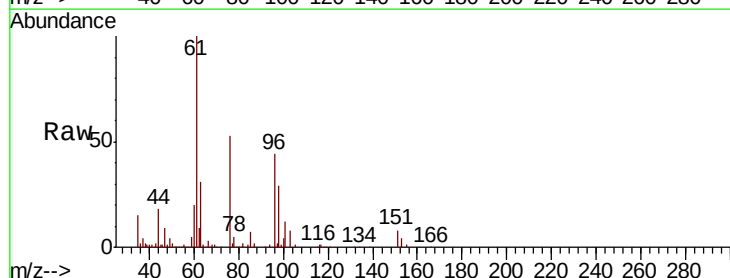
Tgt Ion: 96 Resp: 95805

Ion Ratio Lower Upper

96 100

61 228.6 182.2 273.2

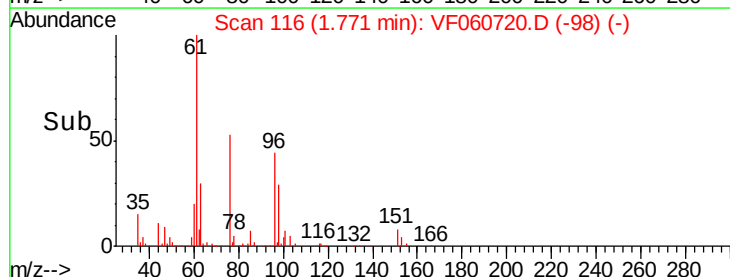
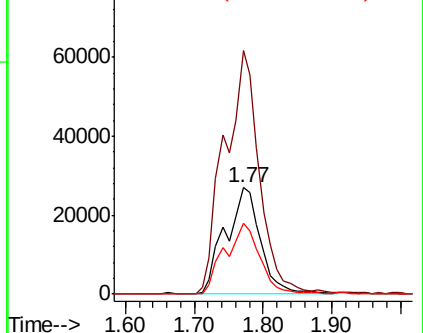
98 66.8 49.2 73.8

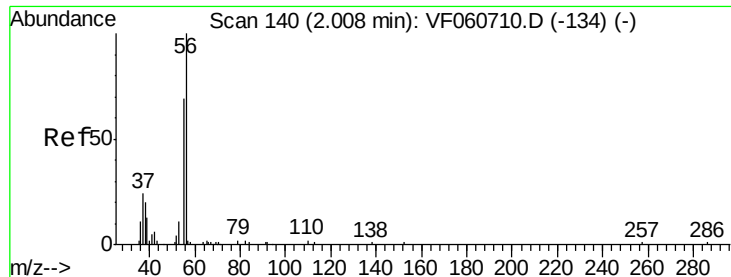


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

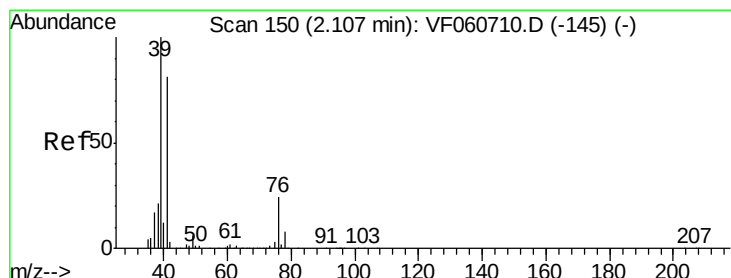
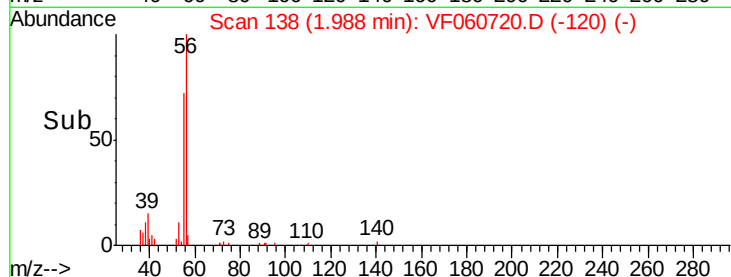
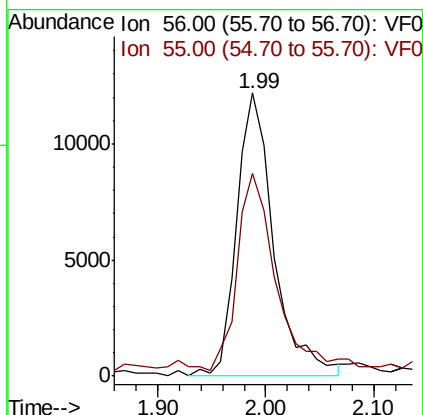
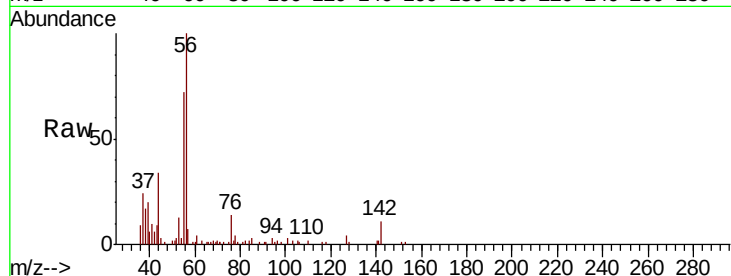




#13
Acrolein
Concen: 277.694 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.02 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

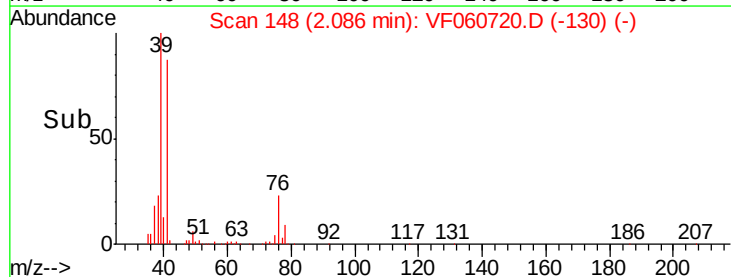
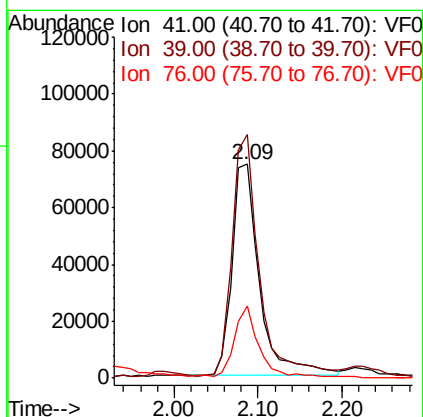
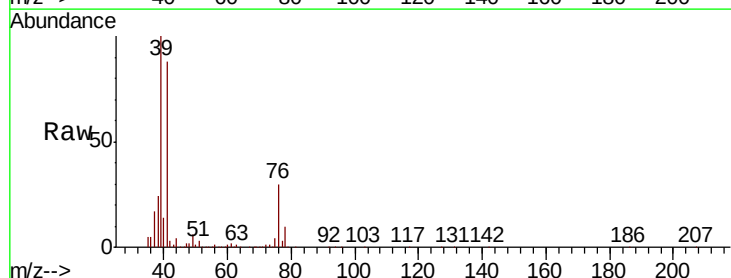
Instrument :
MSVOA_F
ClientSampleId :
BFB

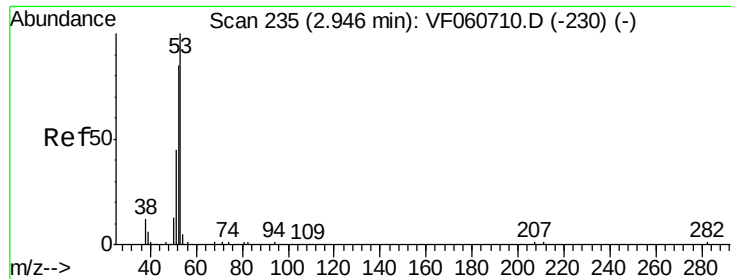
Tgt Ion: 56 Resp: 29103
Ion Ratio Lower Upper
56 100
55 71.8 56.6 85.0



#14
Allyl chloride
Concen: 54.222 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.02 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Tgt Ion: 41 Resp: 171116
Ion Ratio Lower Upper
41 100
39 113.9 98.5 147.7
76 33.8 24.5 36.7





#15

Acrylonitrile

Concen: 250.845 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

BFB

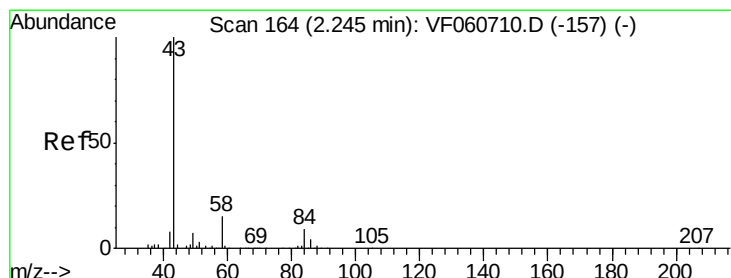
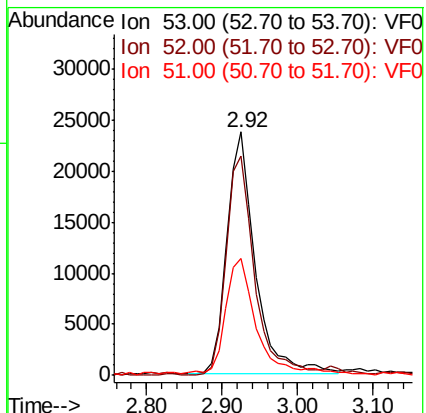
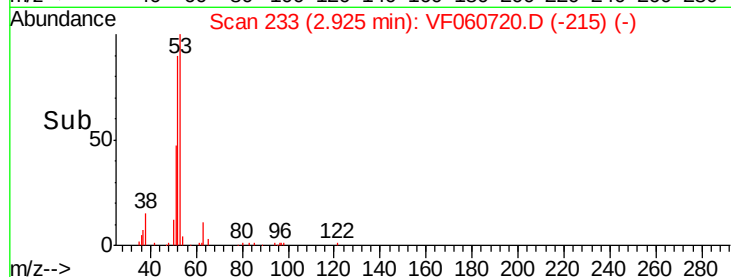
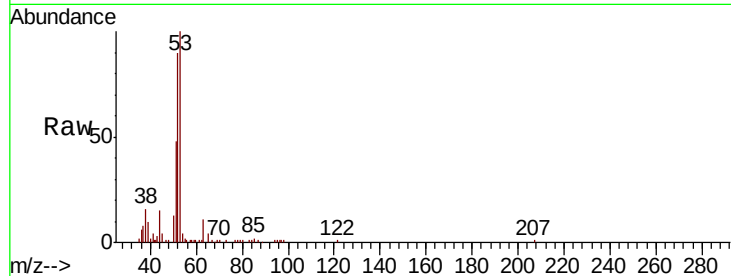
Tgt Ion: 53 Resp: 61266

Ion Ratio Lower Upper

53 100

52 89.9 68.8 103.2

51 47.8 36.7 55.1



#16

Acetone

Concen: 277.059 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF060720.D

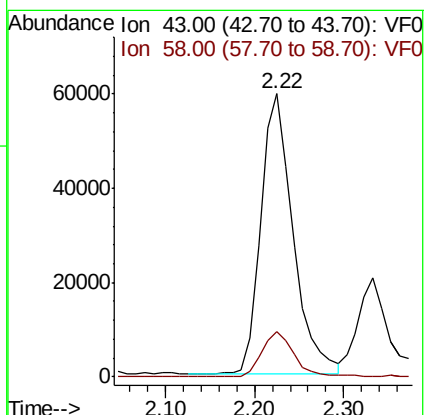
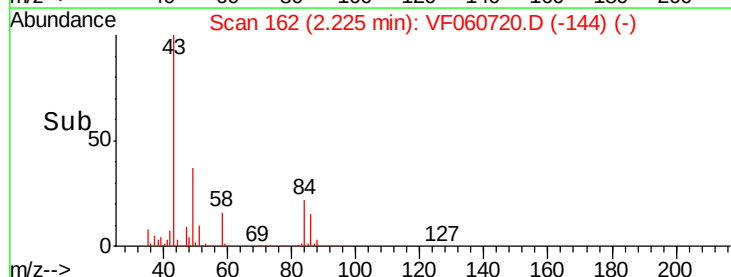
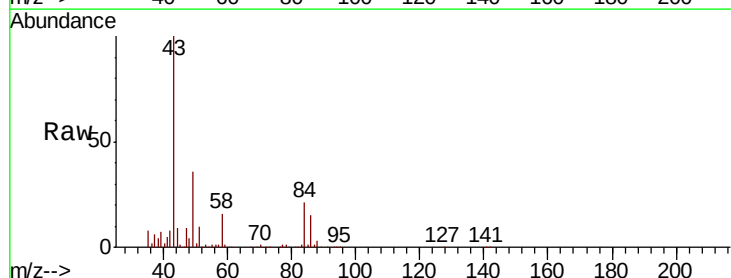
Acq: 14 Nov 2018 11:48

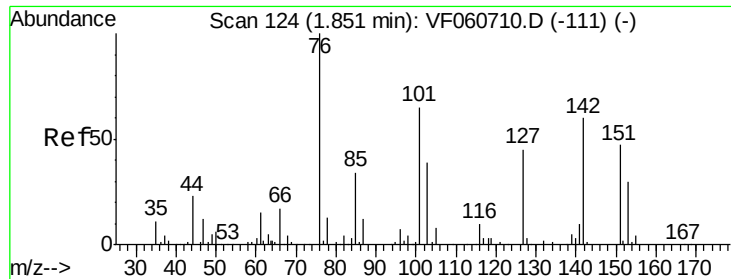
Tgt Ion: 43 Resp: 149145

Ion Ratio Lower Upper

43 100

58 16.0 11.6 17.4

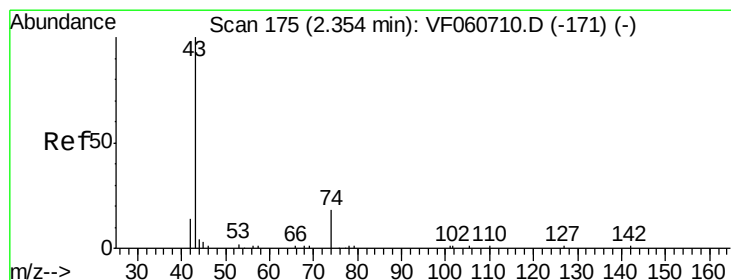
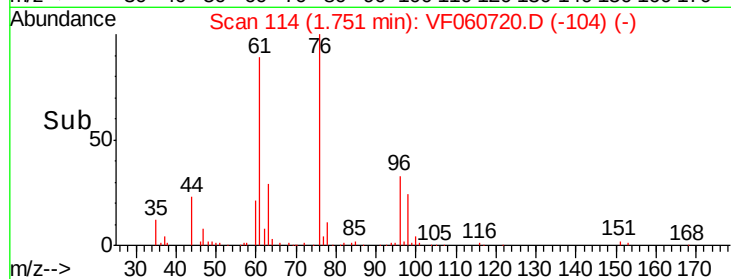
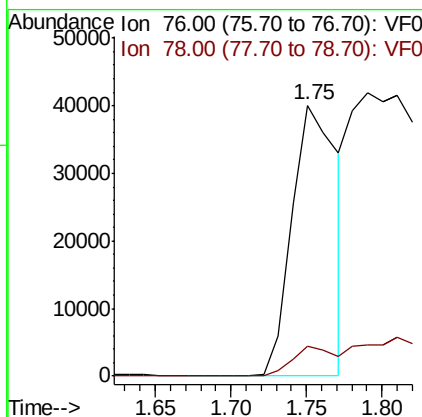
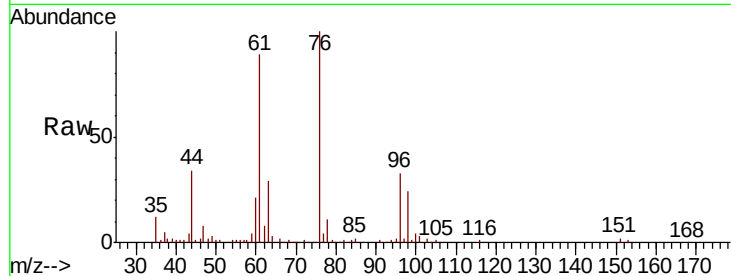




#17
Carbon Disulfide
Concen: 15.377 ug/l
RT: 1.75 min Scan# 114
Delta R.T. -0.10 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

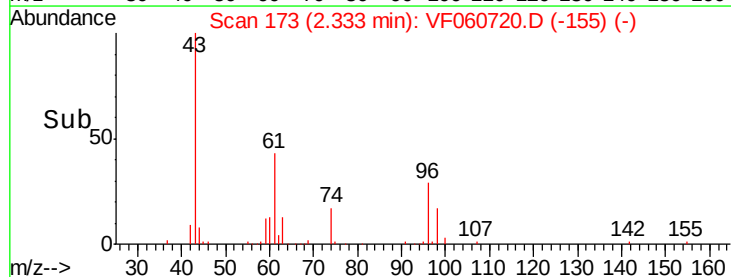
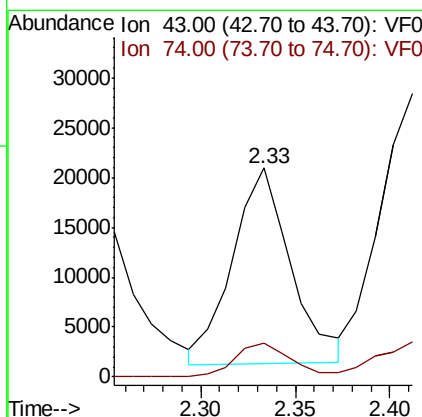
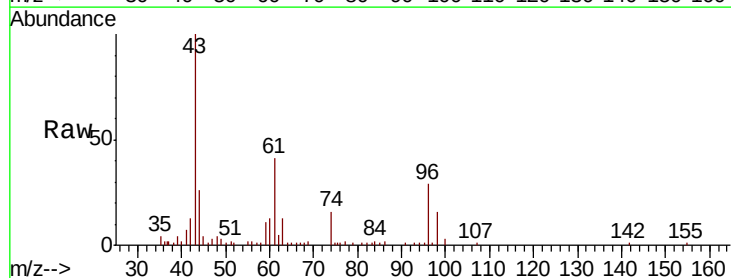
Instrument :
MSVOA_F
ClientSampleId :
BFB

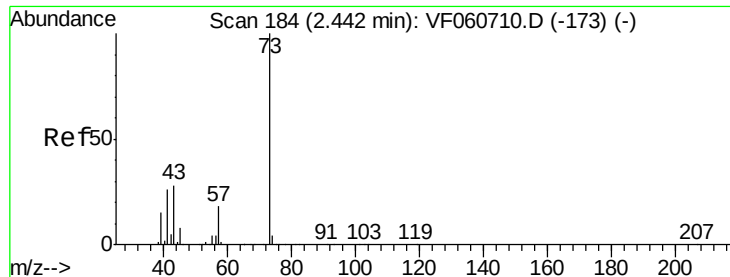
Tgt Ion: 76 Resp: 83722
Ion Ratio Lower Upper
76 100
78 11.1 10.5 15.7



#18
Methyl Acetate
Concen: 47.971 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Tgt Ion: 43 Resp: 42403
Ion Ratio Lower Upper
43 100
74 16.3 11.8 17.8



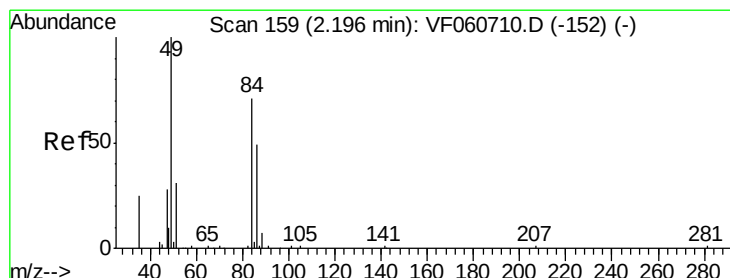
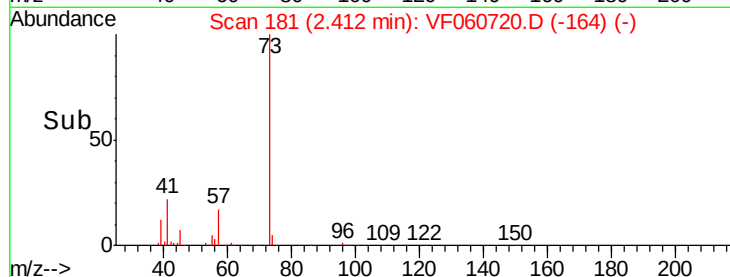
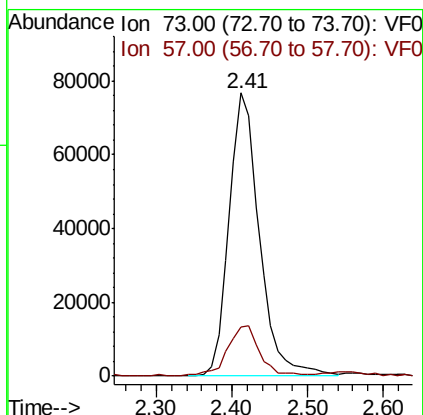
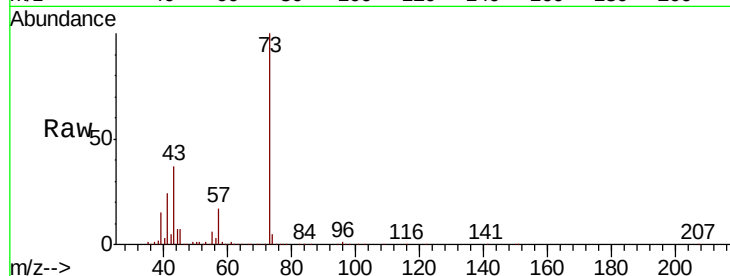


#19

Methyl tert-butyl Ether
 Concen: 49.327 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.03 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

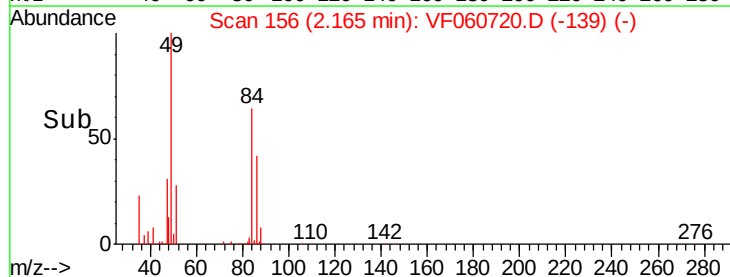
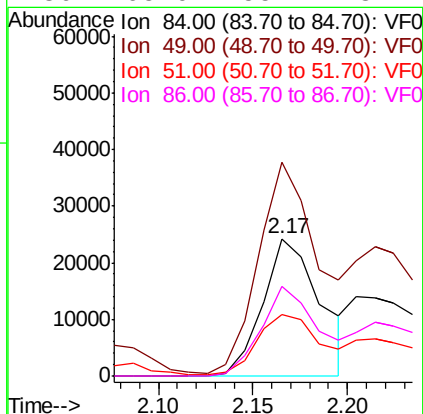
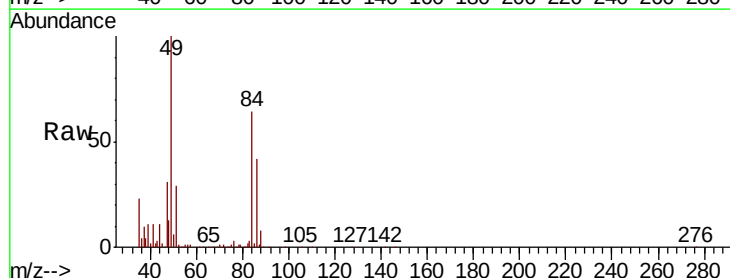
Tgt Ion: 73 Resp: 213171
 Ion Ratio Lower Upper
 73 100
 57 17.5 14.3 21.5

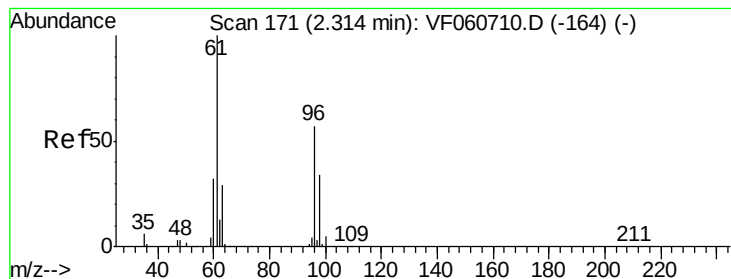


#20

Methylene Chloride
 Concen: 27.488 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.03 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

Tgt Ion: 84 Resp: 51483
 Ion Ratio Lower Upper
 84 100
 49 155.8 120.2 180.4
 51 44.8 37.2 55.8
 86 65.0 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 52.196 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

BFB

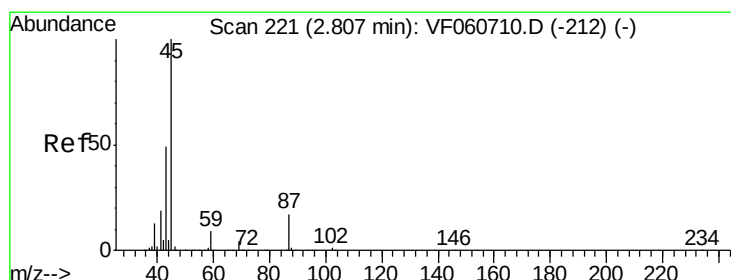
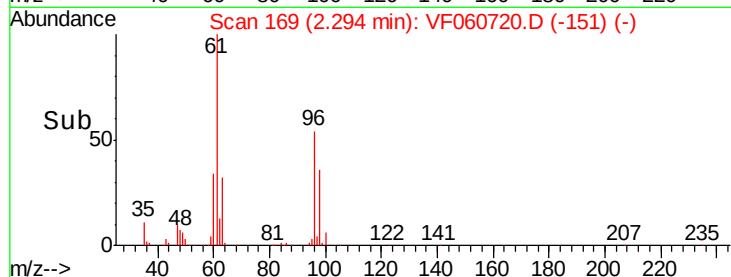
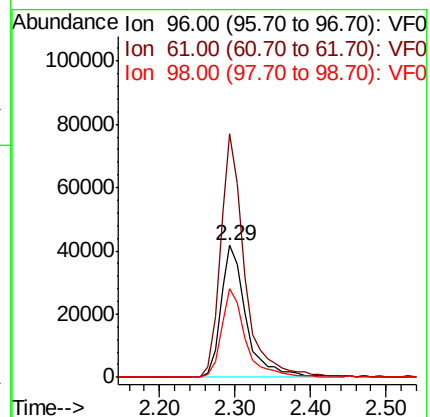
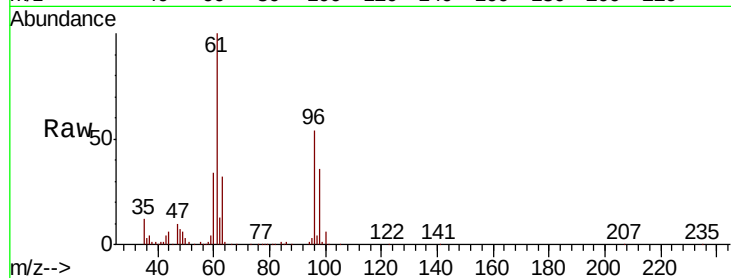
Tgt Ion: 96 Resp: 98236

Ion Ratio Lower Upper

96 100

61 184.3 141.6 212.4

98 66.8 47.4 71.0



#22

Diisopropyl ether

Concen: 51.899 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Tgt Ion: 45 Resp: 316208

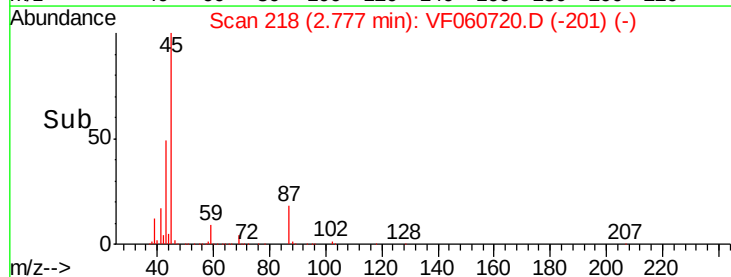
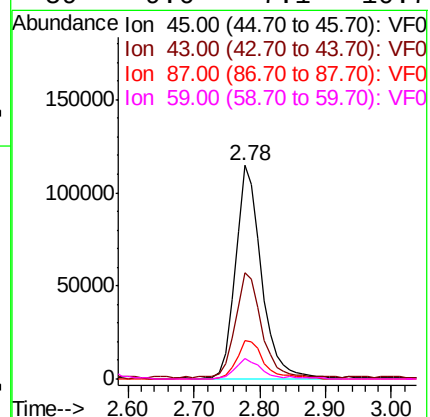
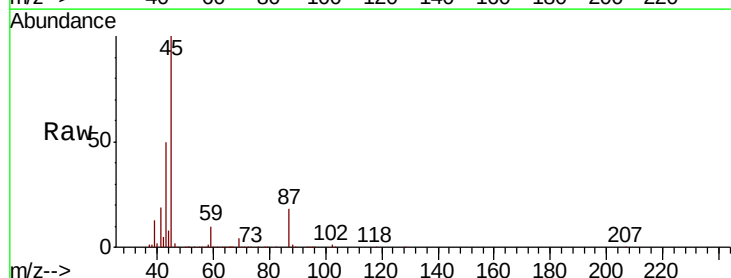
Ion Ratio Lower Upper

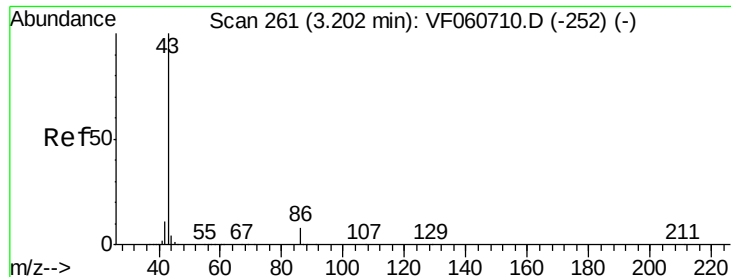
45 100

43 49.6 39.9 59.9

87 17.8 13.9 20.9

59 9.6 7.1 10.7





#23

Vinyl Acetate

Concen: 265.711 ug/l

RT: 3.16 min Scan# 257

Delta R.T. -0.04 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

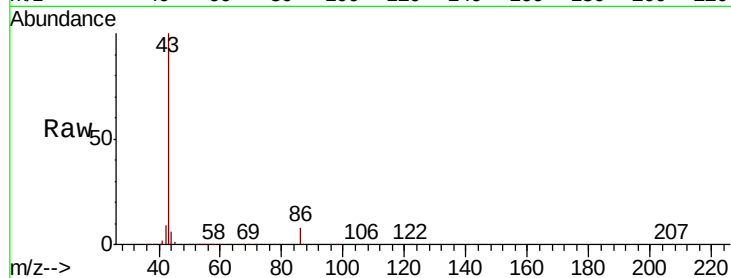
BFB

Tgt Ion: 43 Resp: 762341

Ion Ratio Lower Upper

43 100

86 8.0 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.16

250000

200000

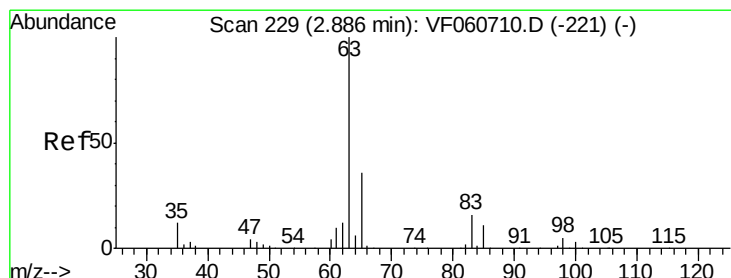
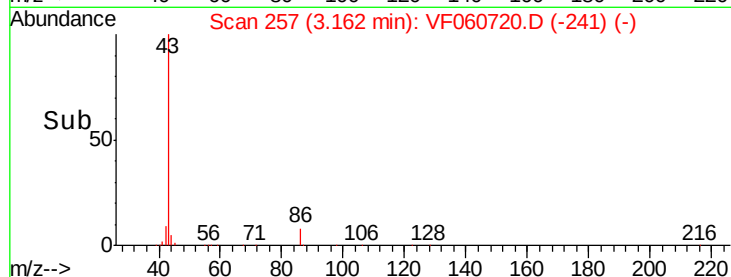
150000

100000

50000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 54.037 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

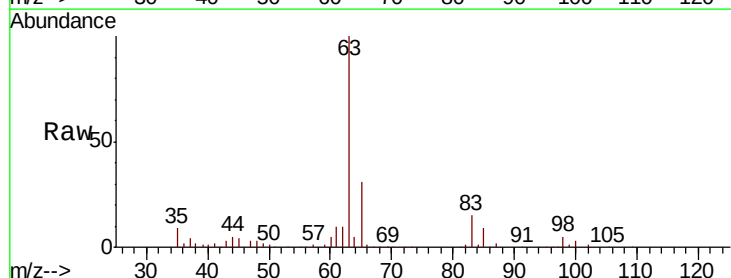
Tgt Ion: 63 Resp: 199323

Ion Ratio Lower Upper

63 100

98 5.2 2.4 7.1

100 2.7 1.4 4.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

100000

80000

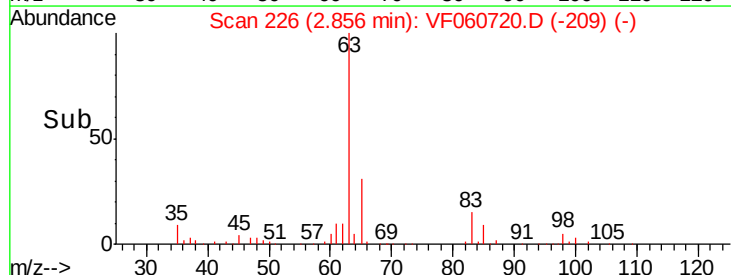
60000

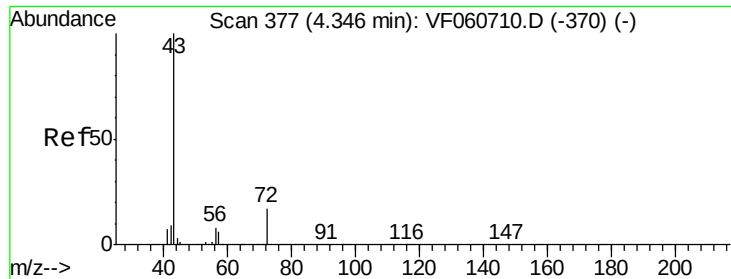
40000

20000

0

Time--> 2.70 2.80 2.90 3.00

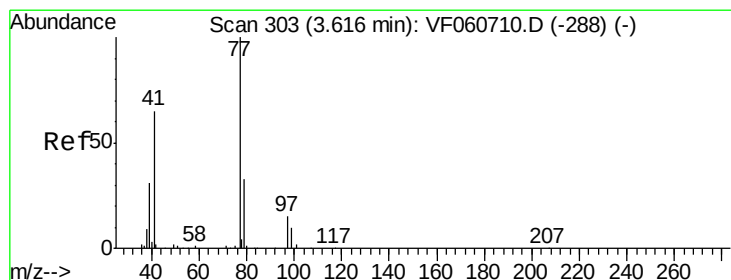
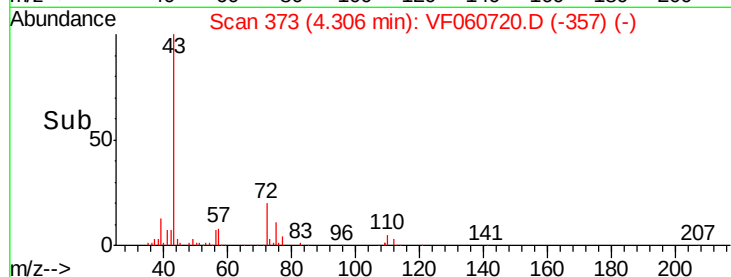
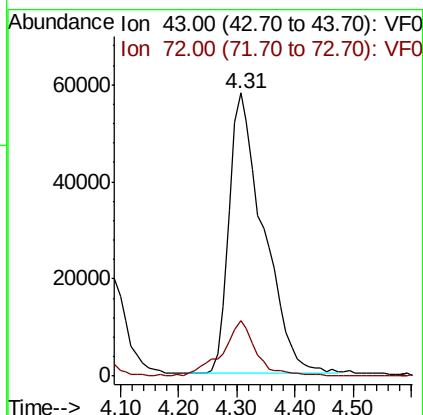
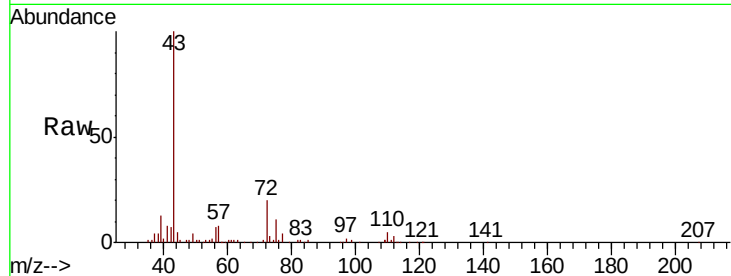




#25
2-Butanone
Concen: 270.118 ug/l
RT: 4.31 min Scan# 373
Delta R.T. -0.04 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

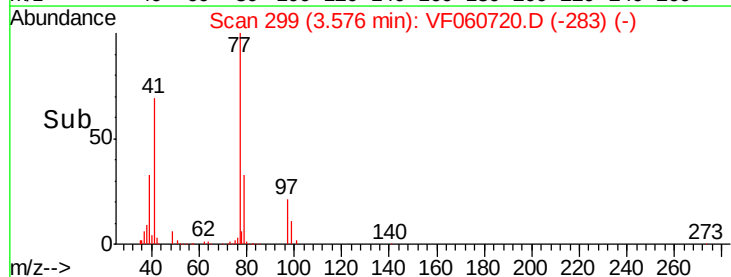
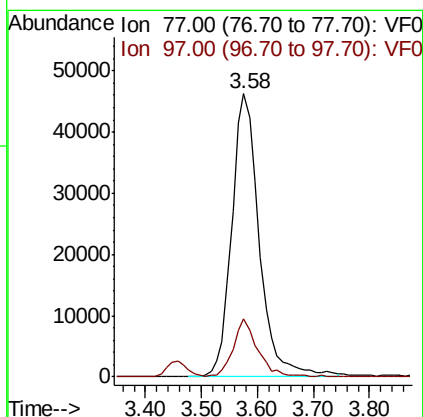
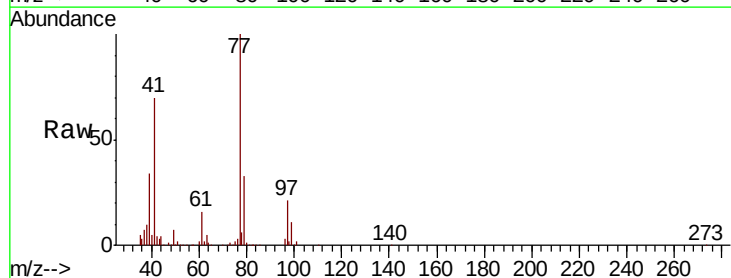
Instrument :
MSVOA_F
ClientSampleId :
BFB

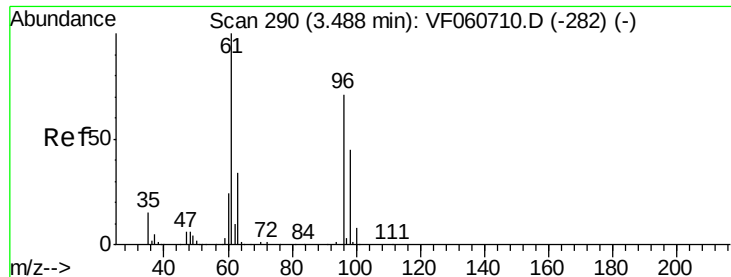
Tgt Ion: 43 Resp: 239173
Ion Ratio Lower Upper
43 100
72 19.5 16.1 24.1



#26
2,2-Dichloropropane
Concen: 54.557 ug/l
RT: 3.58 min Scan# 299
Delta R.T. -0.04 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Tgt Ion: 77 Resp: 158361
Ion Ratio Lower Upper
77 100
97 20.6 8.8 26.5



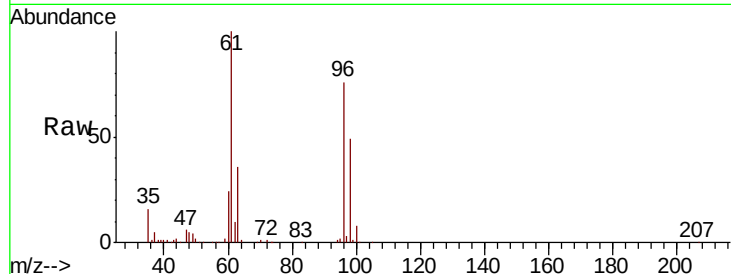


#27

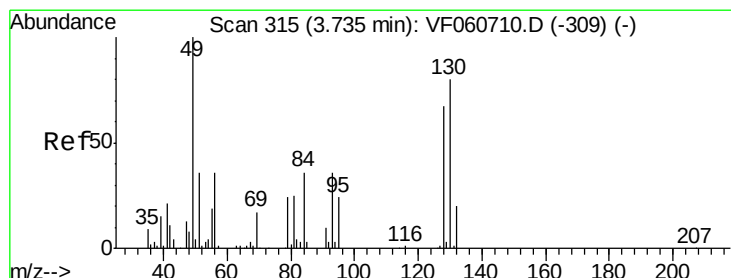
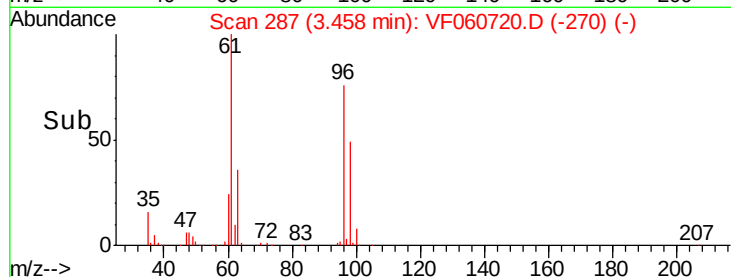
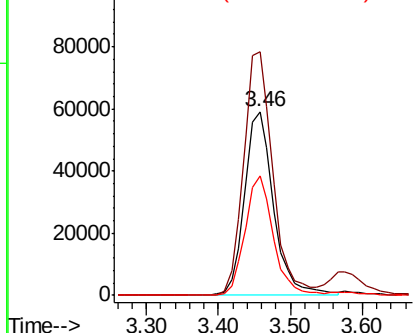
cis-1,2-Dichloroethene
Concen: 52.254 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.03 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Instrument :
MSVOA_F
ClientSampled :
BFB

Tgt Ion: 96 Resp: 167299
Ion Ratio Lower Upper
96 100
61 132.4 0.0 280.6
98 65.2 0.0 127.6



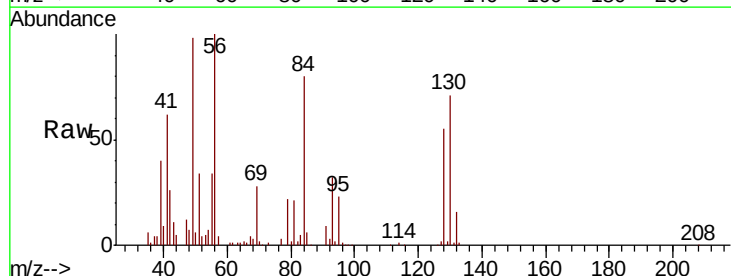
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



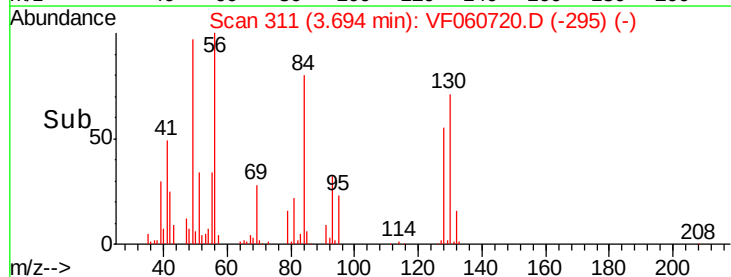
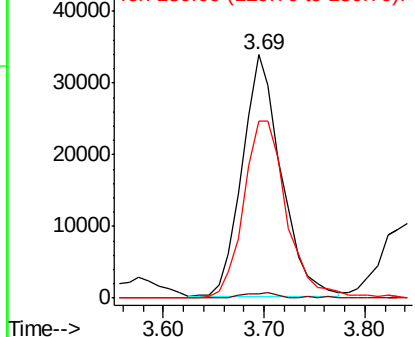
#28

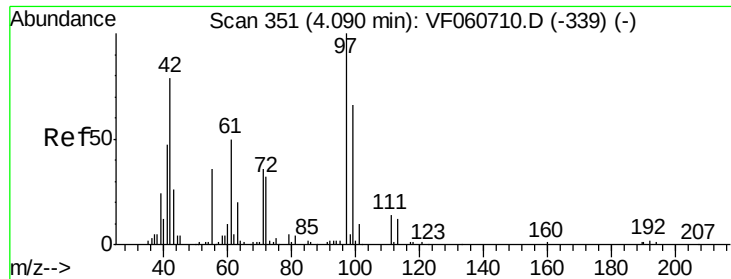
Bromochloromethane
Concen: 47.490 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.04 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Tgt Ion: 49 Resp: 91037
Ion Ratio Lower Upper
49 100
129 1.9 0.0 5.2
130 72.7 63.9 95.9



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 249.649 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.04 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampled :

BFB

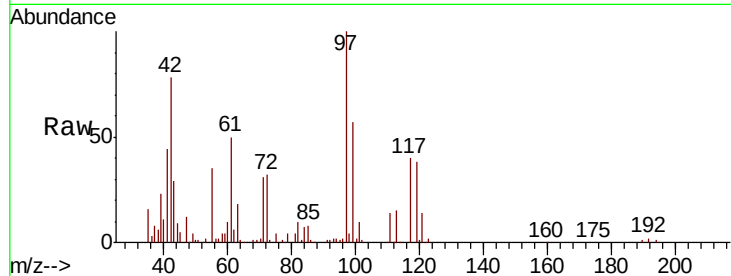
Tgt Ion: 42 Resp: 91179

Ion Ratio Lower Upper

42 100

72 38.1 30.3 45.5

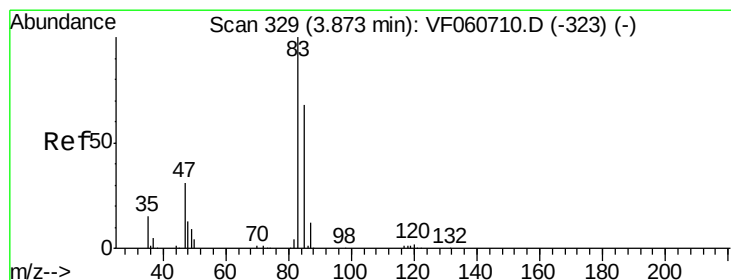
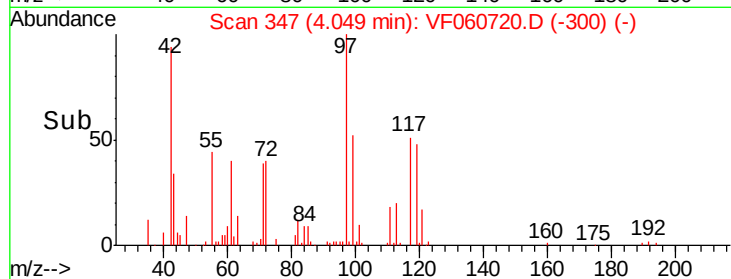
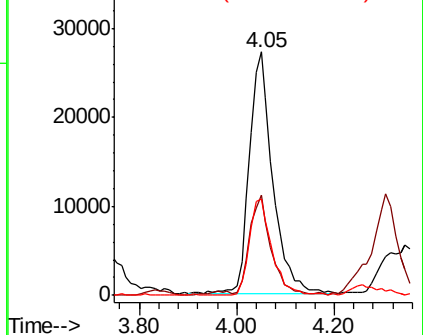
71 38.0 32.2 48.2



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: 49.388 ug/l

RT: 3.83 min Scan# 325

Delta R.T. -0.04 min

Lab File: VF060720.D

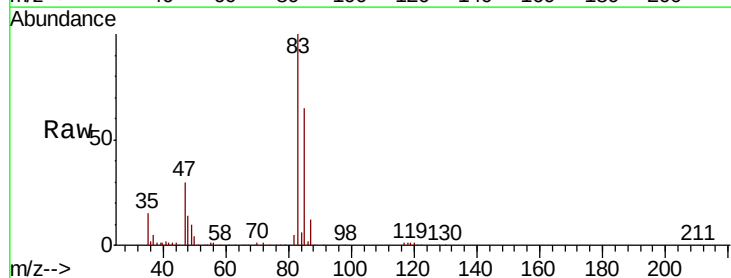
Acq: 14 Nov 2018 11:48

Tgt Ion: 83 Resp: 292295

Ion Ratio Lower Upper

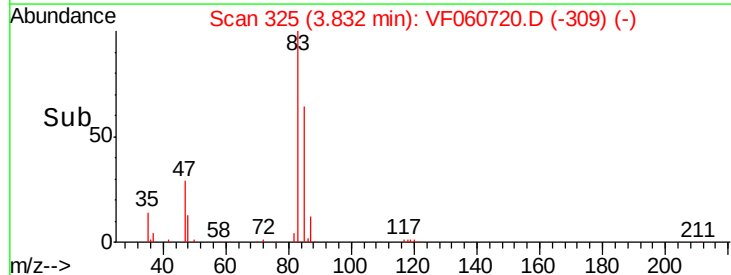
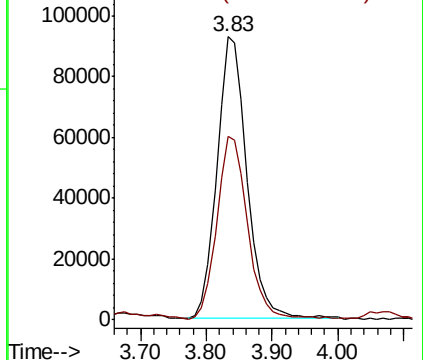
83 100

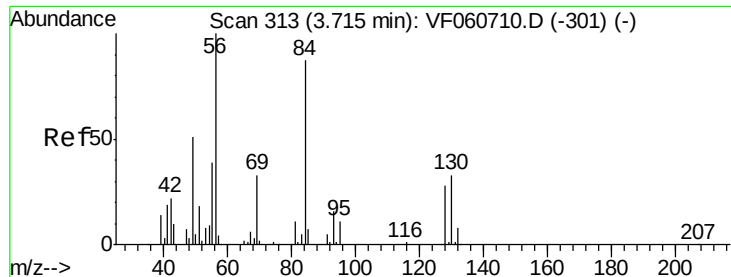
85 64.9 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

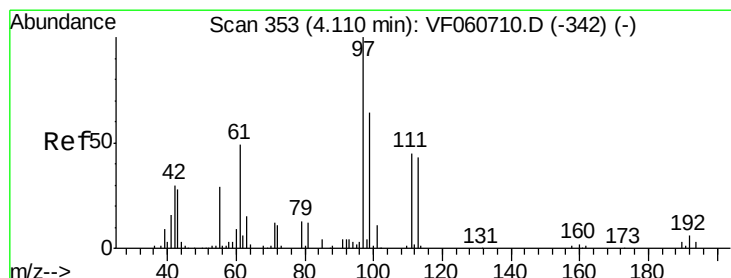
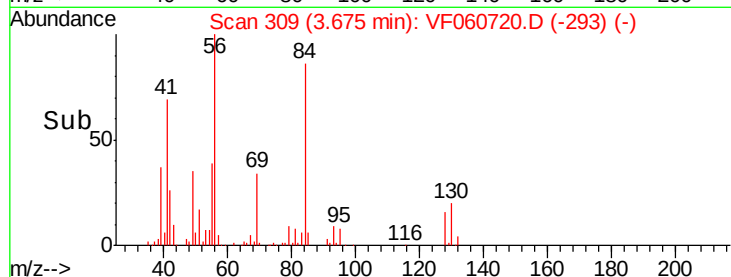
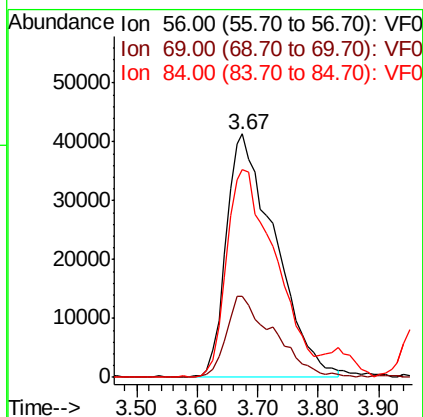
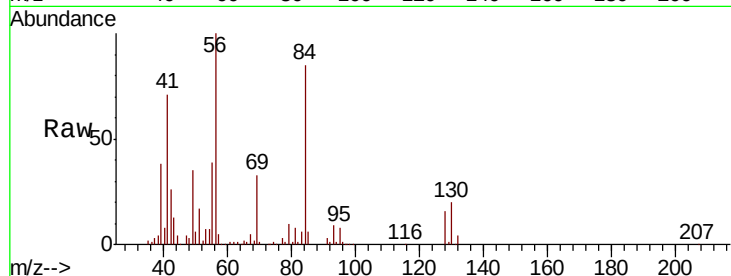




#31
Cyclohexane
Concen: 51.686 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.04 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

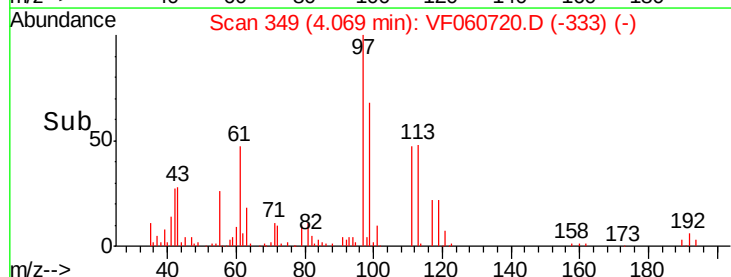
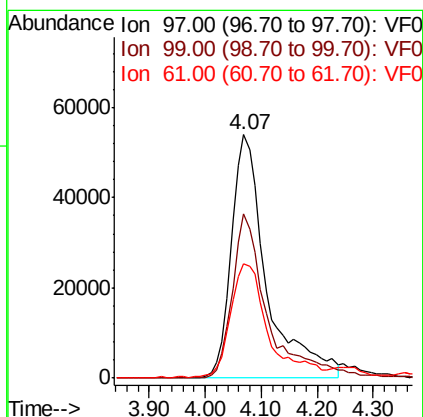
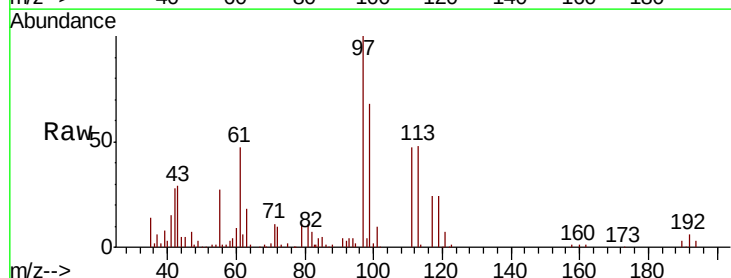
Instrument :
MSVOA_F
ClientSampleId :
BFB

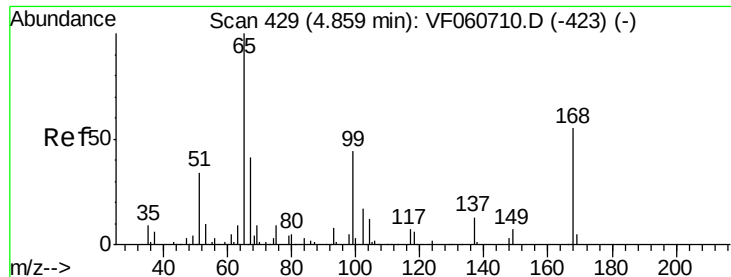
Tgt Ion: 56 Resp: 231391
Ion Ratio Lower Upper
56 100
69 33.4 26.0 39.0
84 85.4 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 50.917 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.04 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Tgt Ion: 97 Resp: 237301
Ion Ratio Lower Upper
97 100
99 67.6 51.1 76.7
61 47.1 40.1 60.1

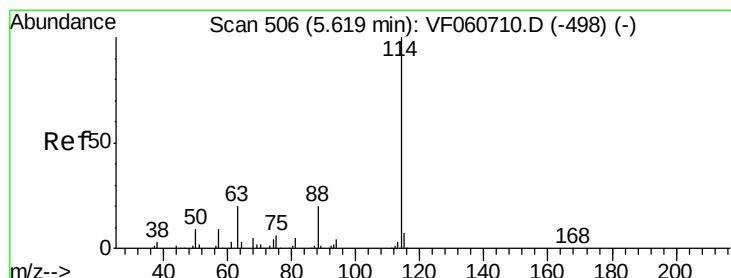
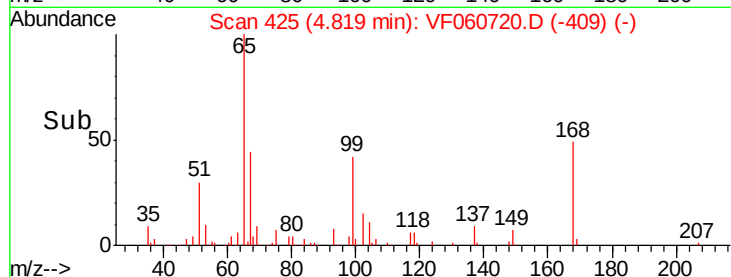
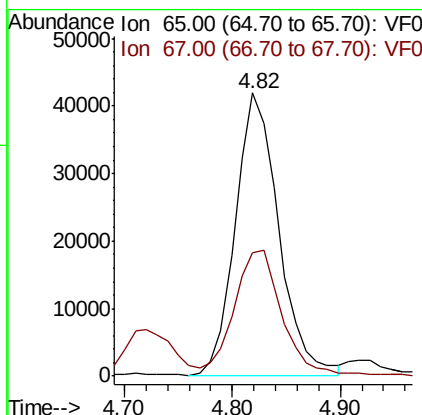
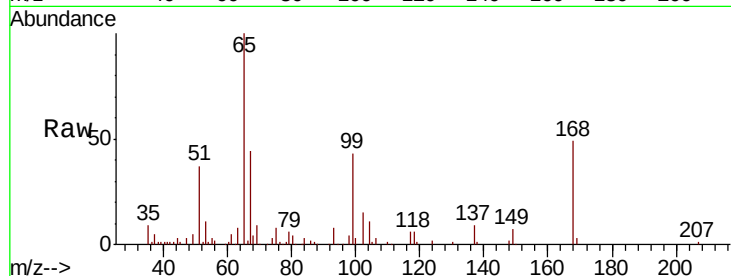




#33
 1,2-Dichloroethane-d4
 Concen: 46.149 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.04 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

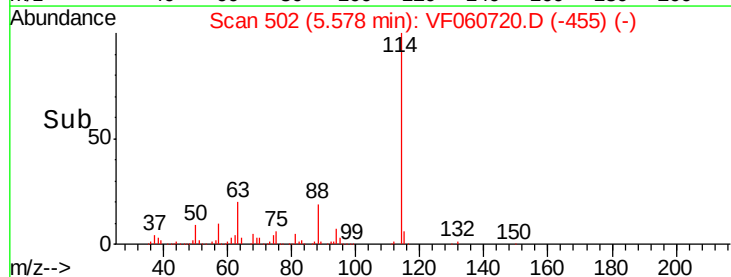
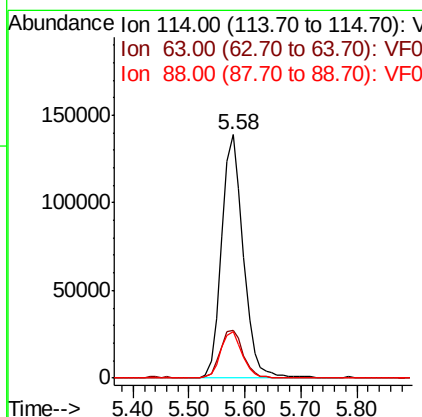
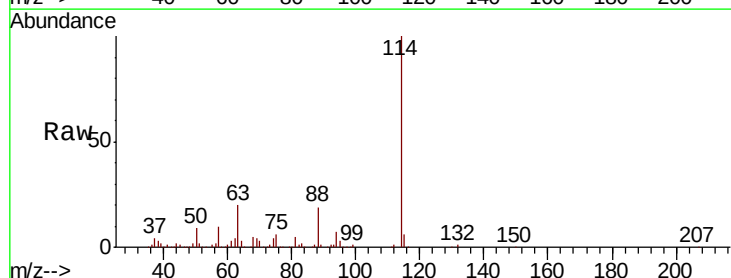
Instrument :
 MSVOA_F
 ClientSampled :
 BFB

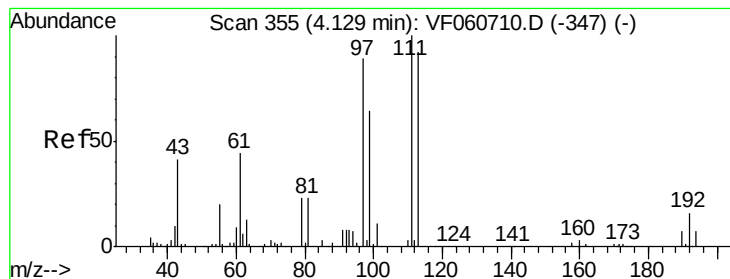
Tgt Ion: 65 Resp: 116227
 Ion Ratio Lower Upper
 65 100
 67 43.7 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.04 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

Tgt Ion: 114 Resp: 377454
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 18.9 0.0 39.6





#35

Dibromofluoromethane

Concen: 47.793 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.04 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

BFB

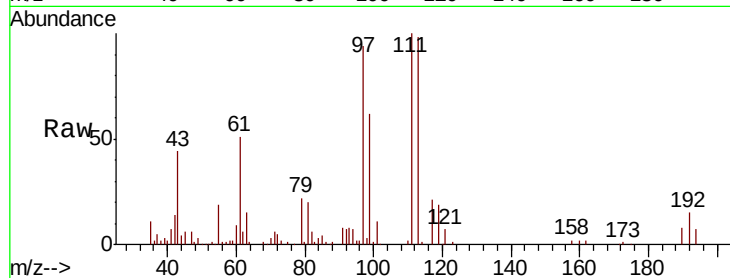
Tgt Ion: 113 Resp: 135603

Ion Ratio Lower Upper

113 100

111 101.8 87.1 130.7

192 15.3 13.8 20.6

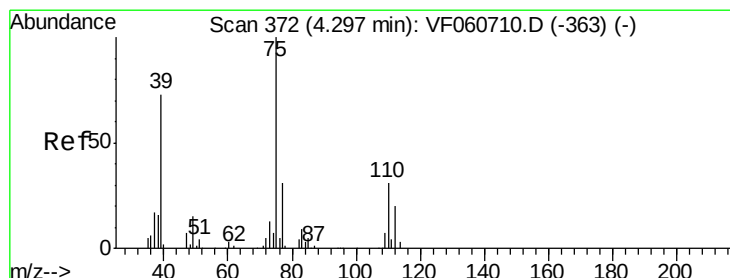
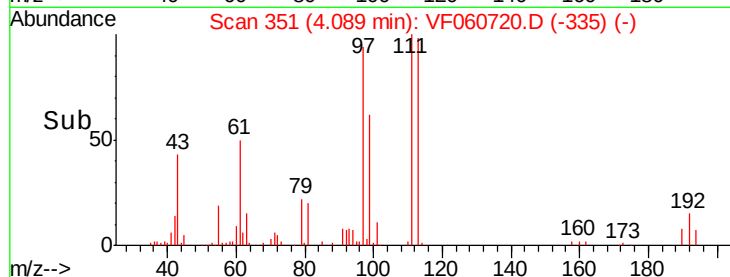
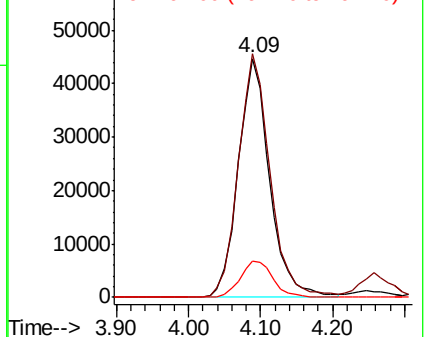


Abundance

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: 51.637 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.04 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

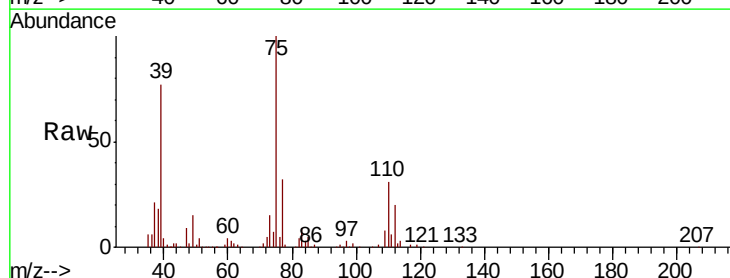
Tgt Ion: 75 Resp: 226041

Ion Ratio Lower Upper

75 100

110 31.3 15.6 46.8

77 31.7 25.0 37.6

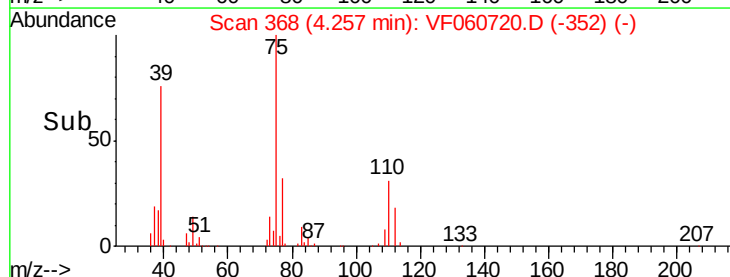
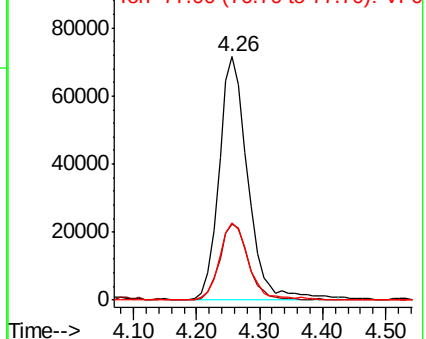


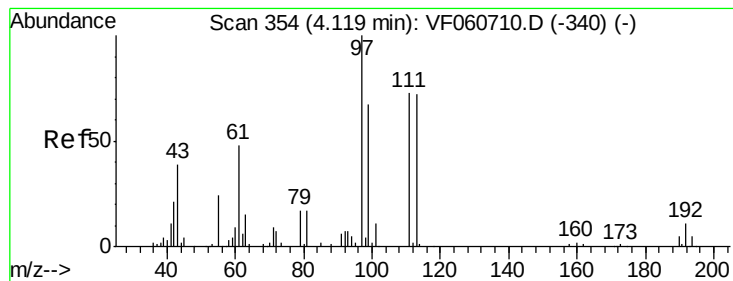
Abundance

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: 48.866 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

BFB

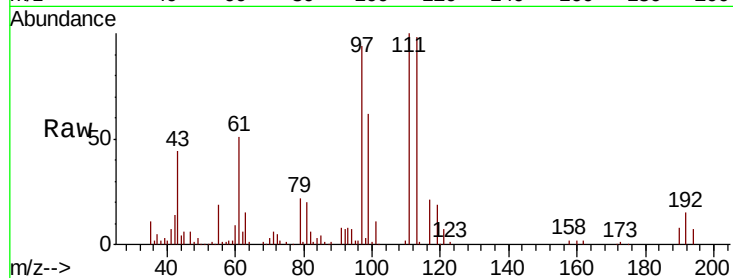
Tgt Ion: 43 Resp: 79529

Ion Ratio Lower Upper

43 100

61 114.8 98.5 147.7

70 7.7 7.4 11.0

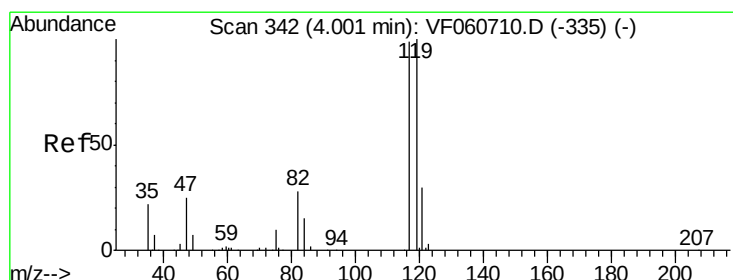
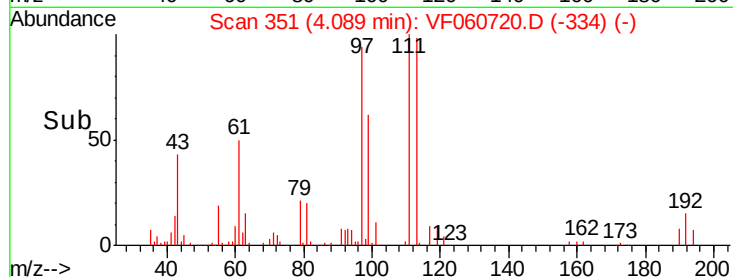
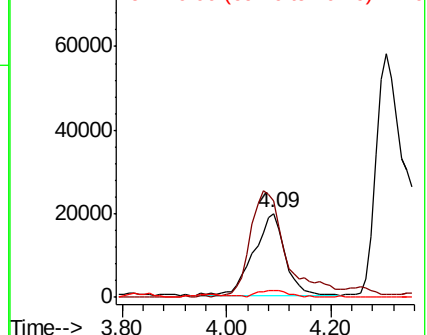


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 52.441 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

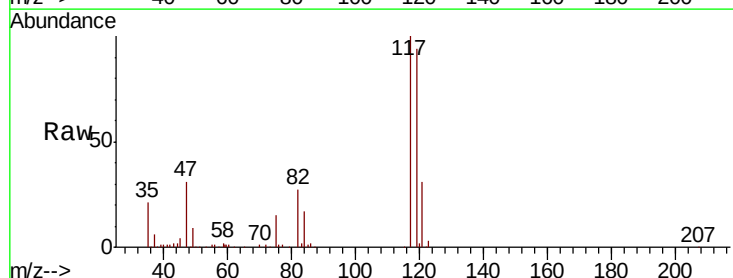
Tgt Ion: 117 Resp: 222747

Ion Ratio Lower Upper

117 100

119 93.5 80.7 121.1

121 30.5 24.3 36.5

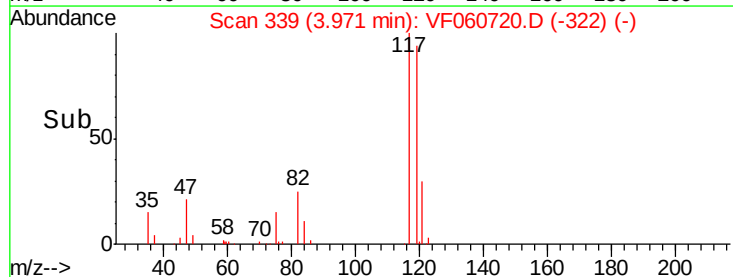
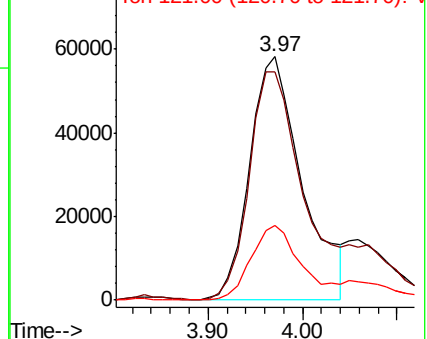


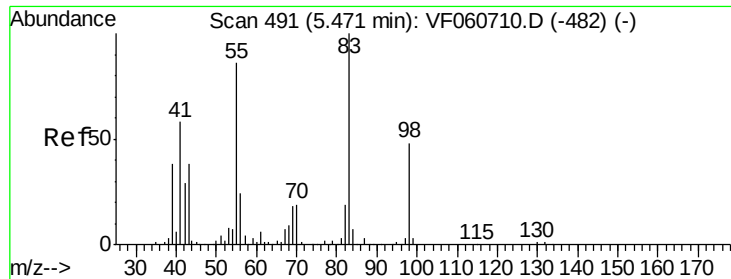
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

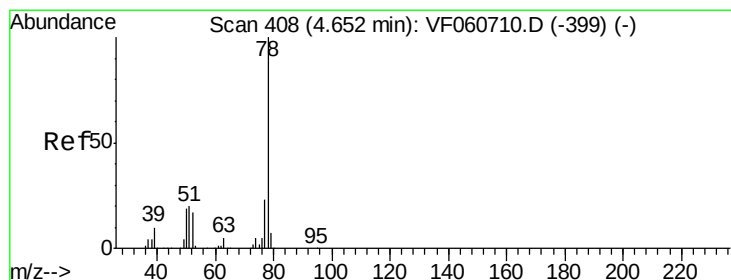
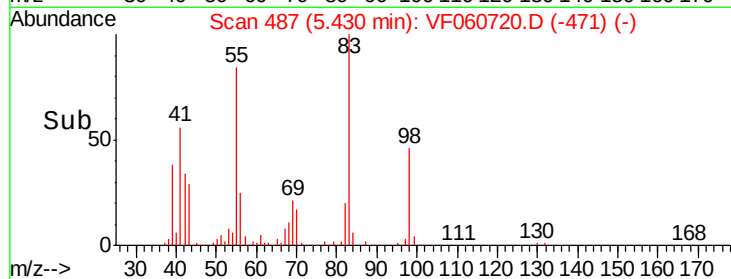
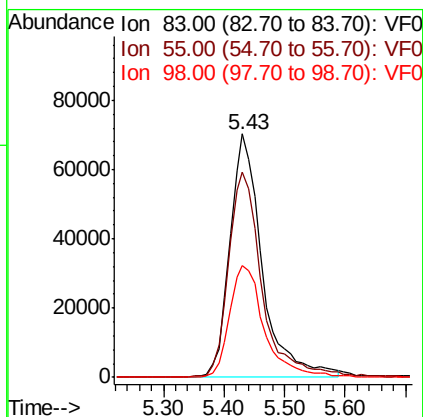
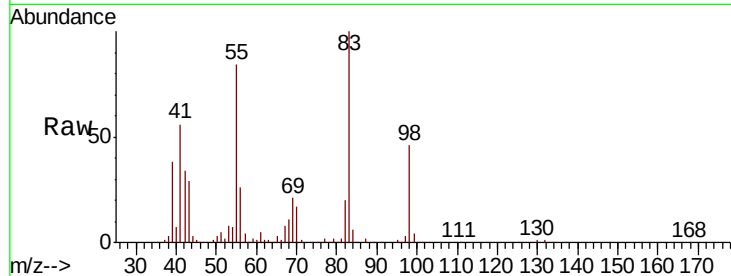




#39
Methylcyclohexane
Concen: 51.503 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.04 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

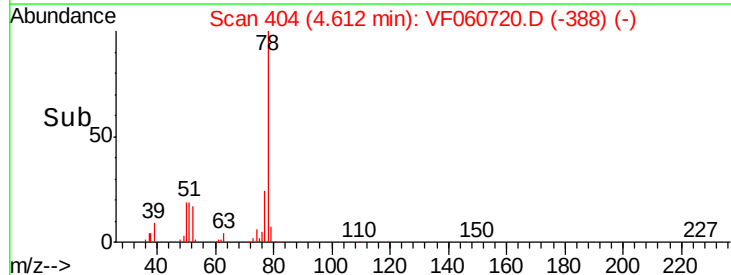
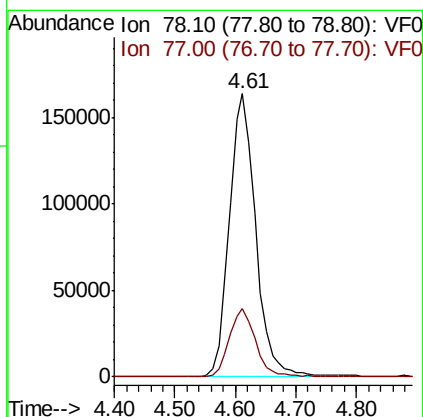
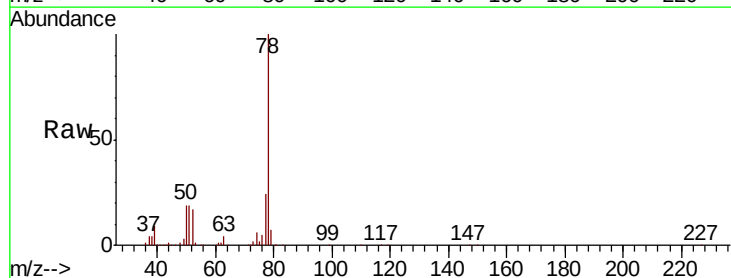
Instrument :
MSVOA_F
ClientSampled :
BFB

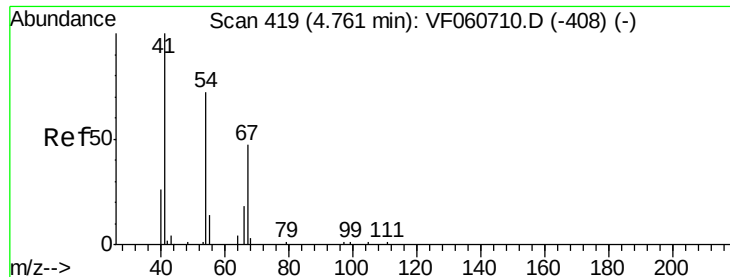
Tgt Ion: 83 Resp: 261564
Ion Ratio Lower Upper
83 100
55 84.0 69.0 103.4
98 45.8 38.5 57.7



#40
Benzene
Concen: 50.851 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.04 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Tgt Ion: 78 Resp: 496212
Ion Ratio Lower Upper
78 100
77 24.4 18.6 28.0





#41

Methacrylonitrile

Concen: 51.466 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.04 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

BFB

Tgt Ion: 41 Resp: 44547

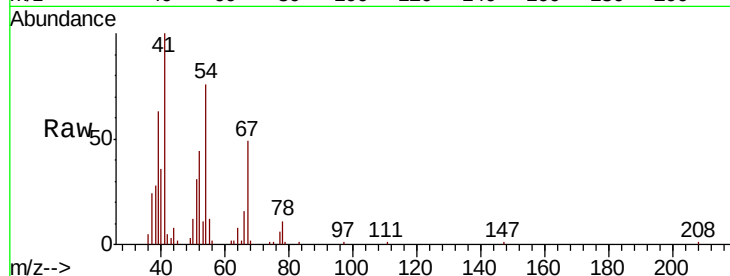
Ion Ratio Lower Upper

41 100

39 62.6 47.1 70.7

67 49.2 37.1 55.7

52 44.0 39.3 58.9

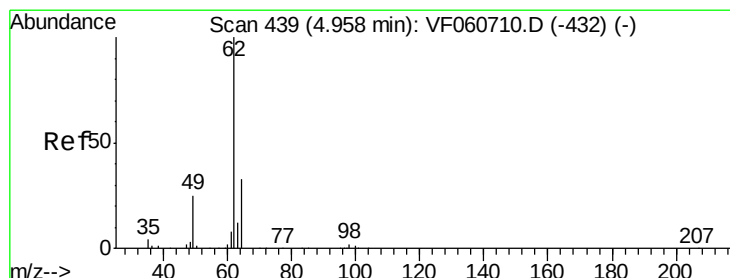
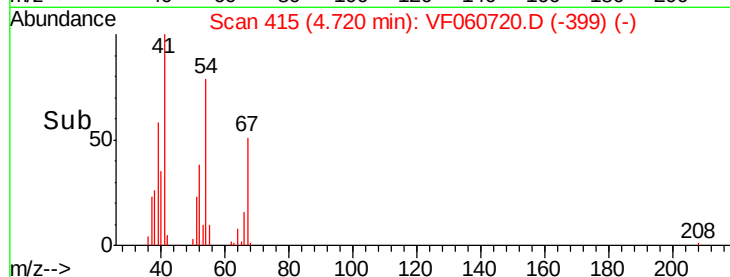
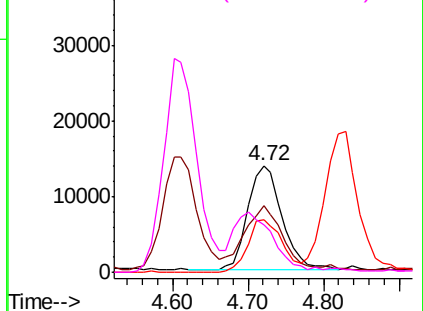


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 48.914 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.04 min

Lab File: VF060720.D

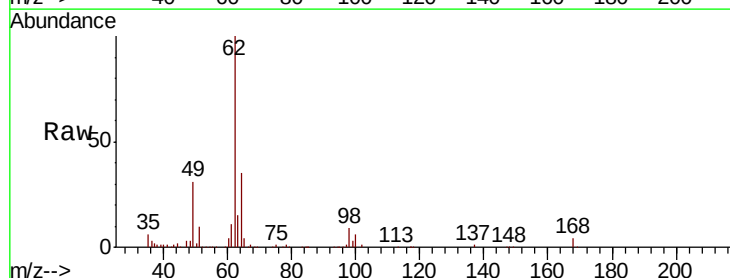
Acq: 14 Nov 2018 11:48

Tgt Ion: 62 Resp: 164947

Ion Ratio Lower Upper

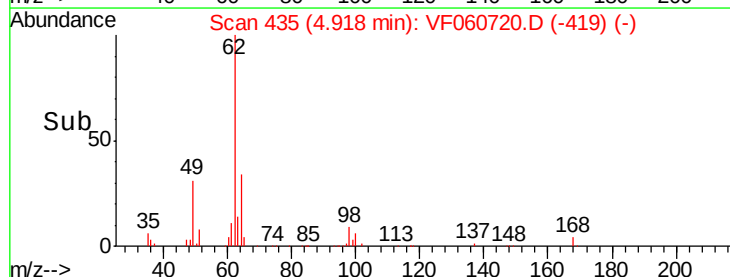
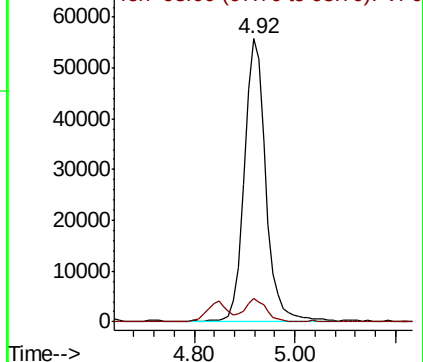
62 100

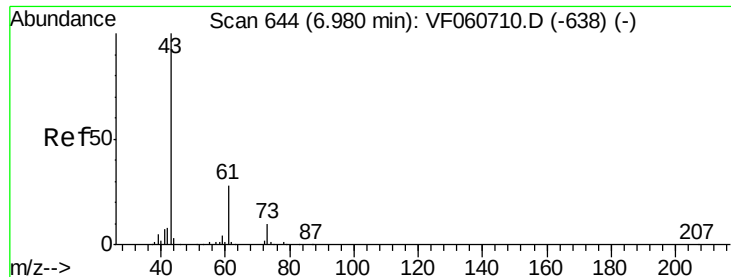
98 8.5 0.0 16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 48.760 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.04 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

BFB

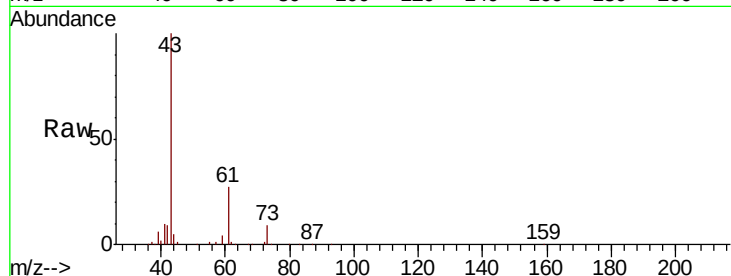
Tgt Ion: 43 Resp: 105216

Ion Ratio Lower Upper

43 100

61 26.6 22.2 33.4

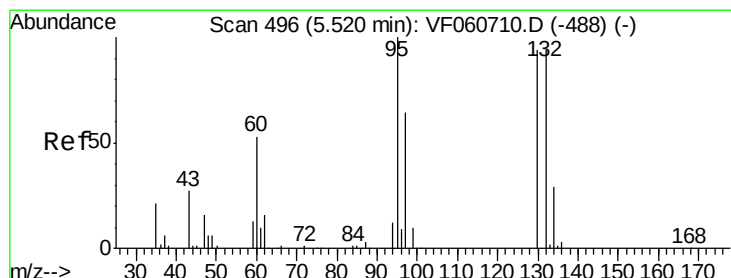
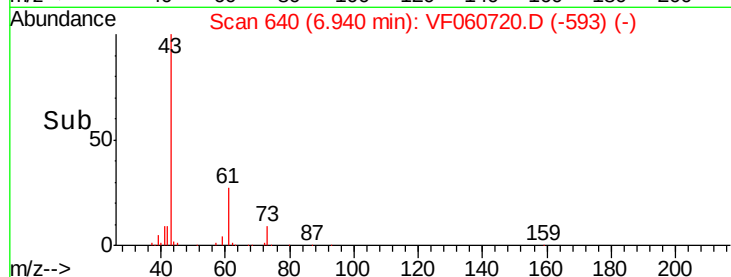
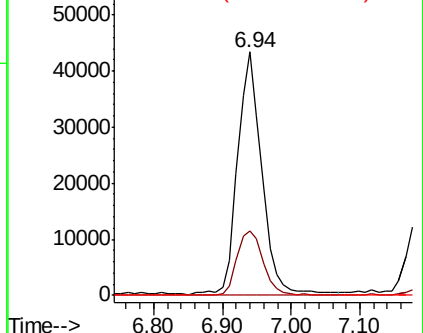
87 0.3 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 50.592 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.04 min

Lab File: VF060720.D

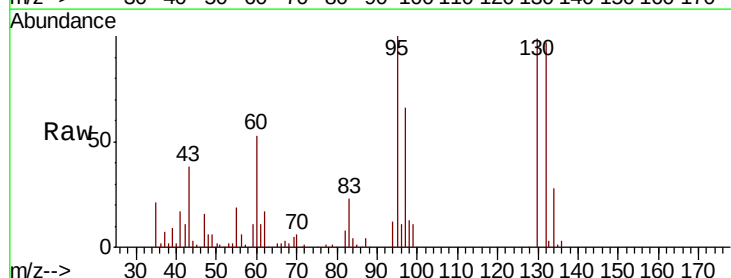
Acq: 14 Nov 2018 11:48

Tgt Ion:130 Resp: 155759

Ion Ratio Lower Upper

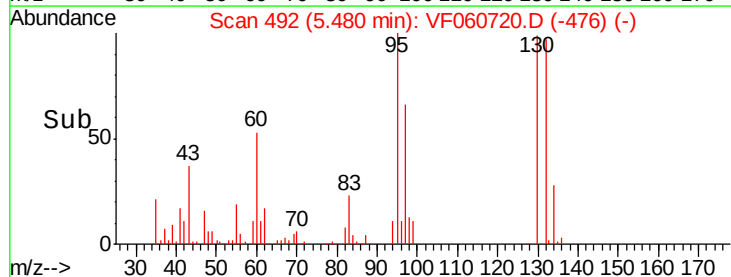
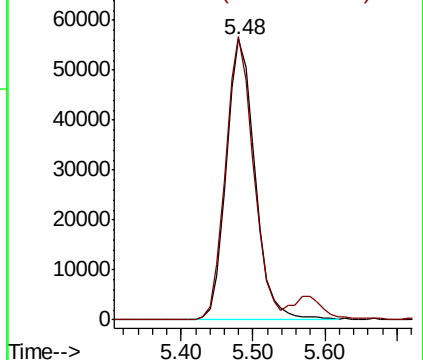
130 100

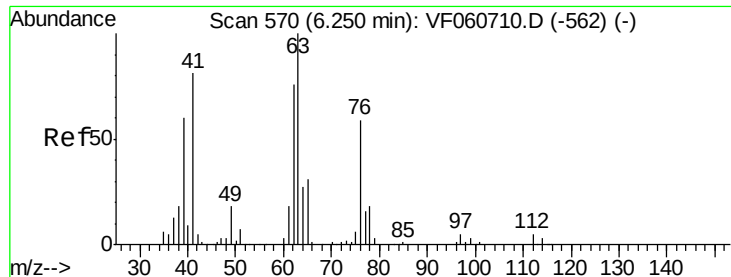
95 101.0 0.0 212.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

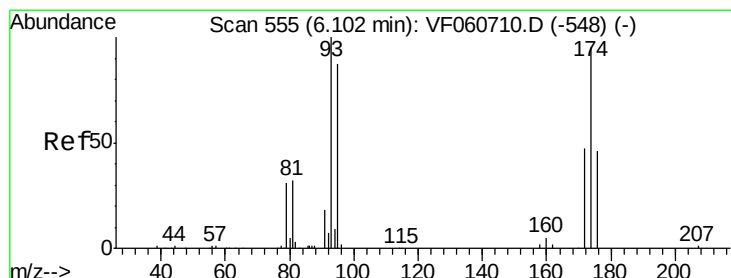
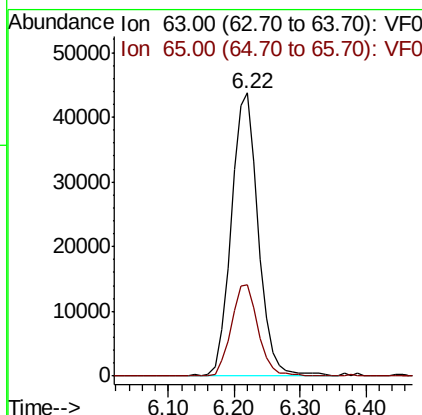
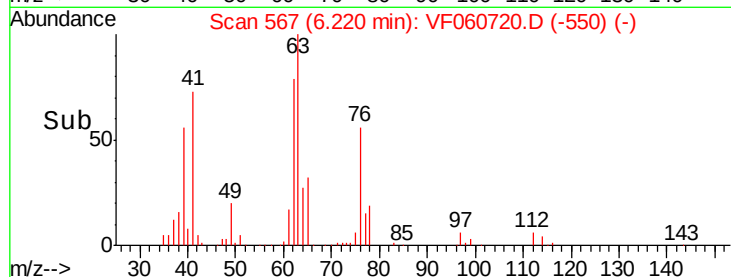
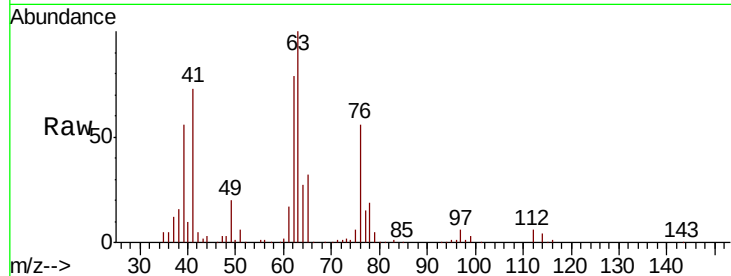




#45
 1,2-Dichloropropane
 Concen: 49.557 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.03 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

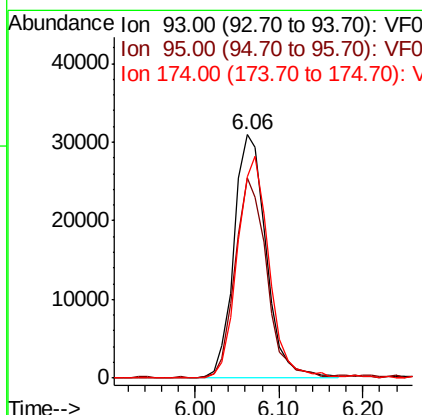
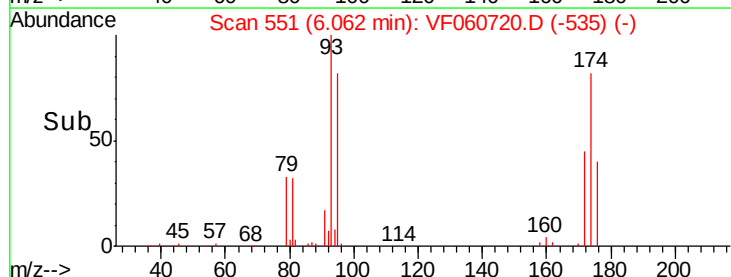
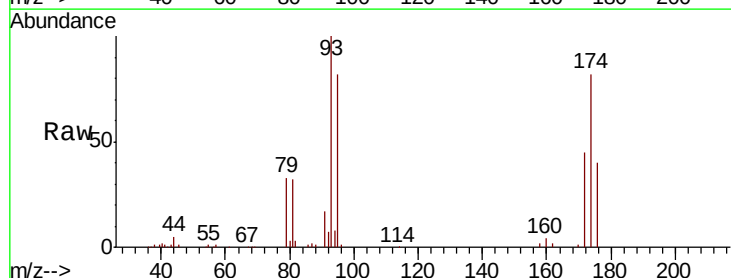
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

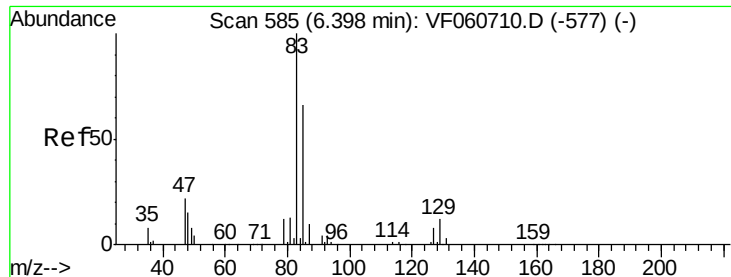
Tgt Ion: 63 Resp: 125838
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.6 36.8



#46
 Dibromomethane
 Concen: 49.411 ug/l
 RT: 6.06 min Scan# 551
 Delta R.T. -0.04 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

Tgt Ion: 93 Resp: 82822
 Ion Ratio Lower Upper
 93 100
 95 82.1 69.5 104.3
 174 82.5 76.2 114.2





#47

Bromodichloromethane

Concen: 48.687 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

BFB

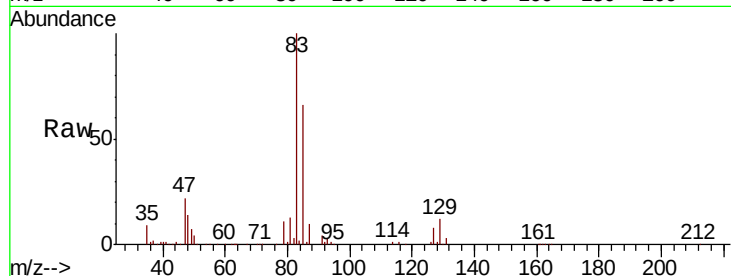
Tgt Ion: 83 Resp: 208399

Ion Ratio Lower Upper

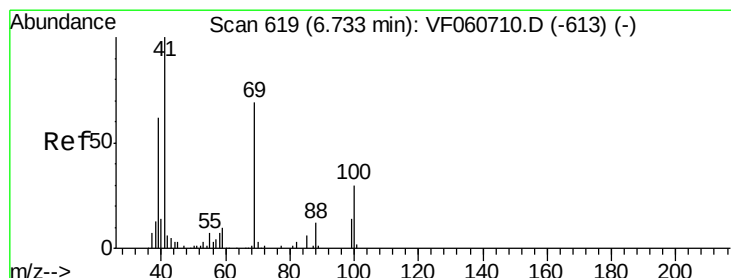
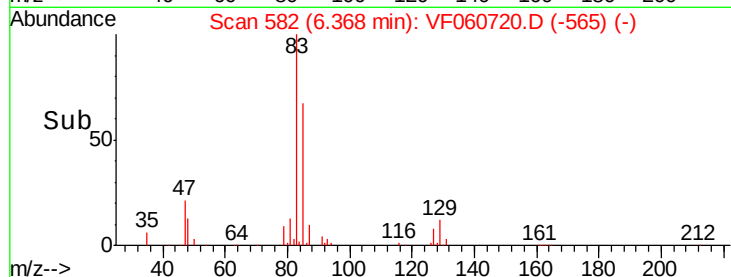
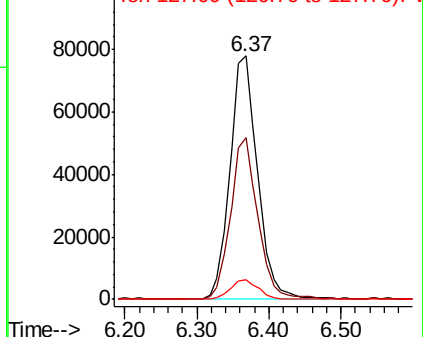
83 100

85 66.4 52.4 78.6

127 8.0 6.8 10.2



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: 47.558 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.04 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

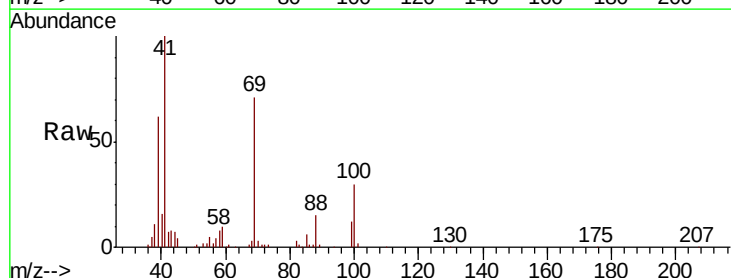
Tgt Ion: 41 Resp: 67918

Ion Ratio Lower Upper

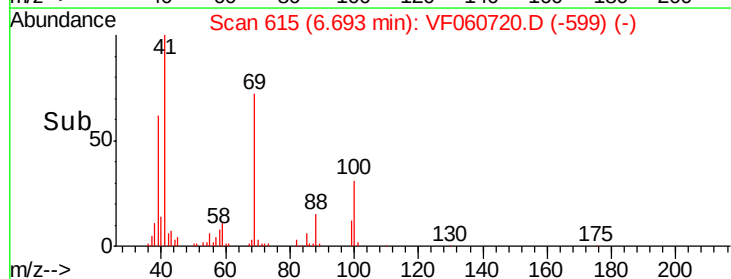
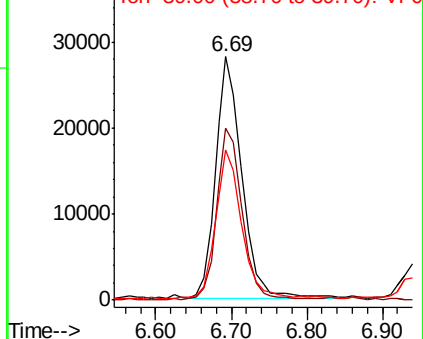
41 100

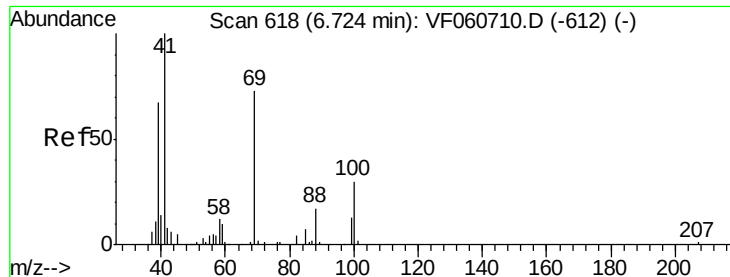
69 70.7 54.9 82.3

39 61.6 49.6 74.4



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: 1018.260 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.04 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

BFB

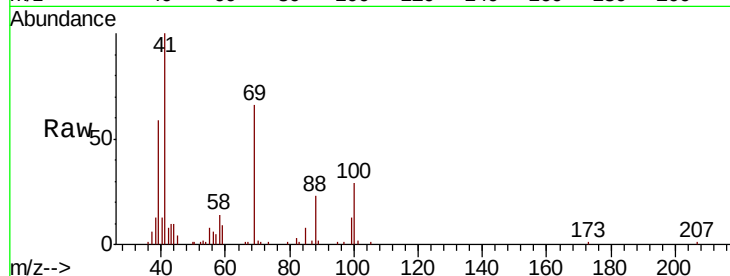
Tgt Ion: 88 Resp: 13600

Ion Ratio Lower Upper

88 100

43 43.3 44.6 66.8#

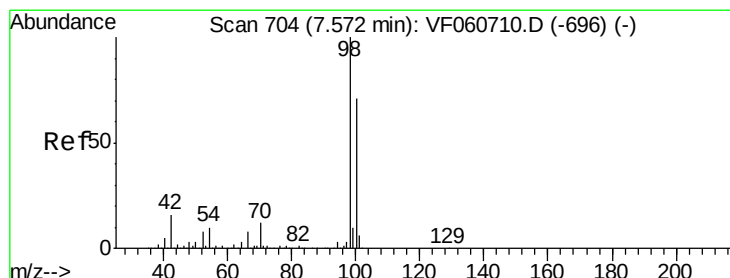
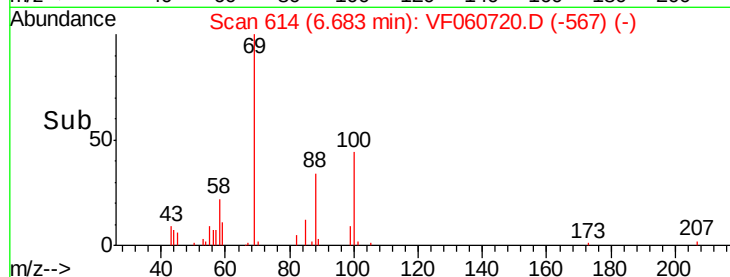
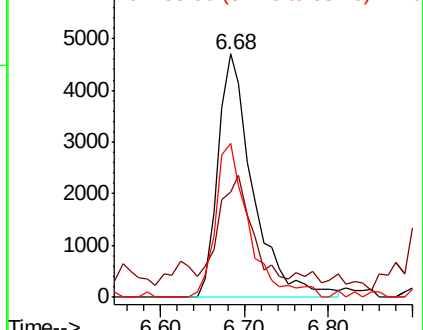
58 63.1 54.5 81.7



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: 51.355 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.04 min

Lab File: VF060720.D

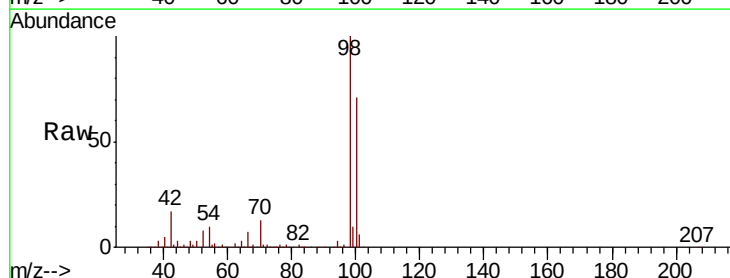
Acq: 14 Nov 2018 11:48

Tgt Ion: 98 Resp: 373182

Ion Ratio Lower Upper

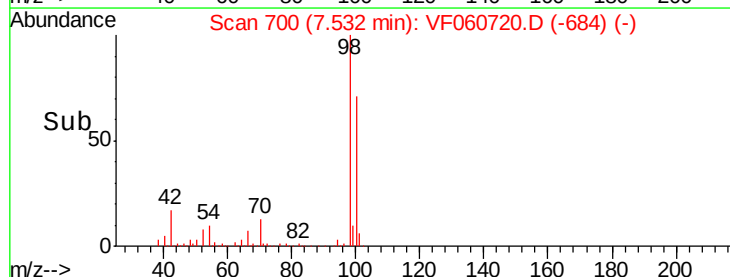
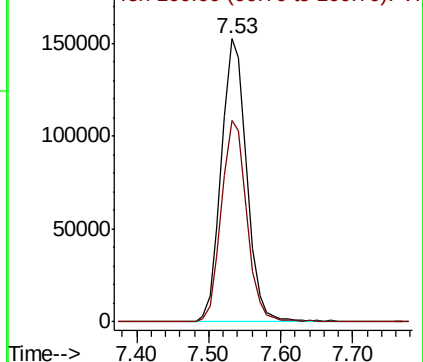
98 100

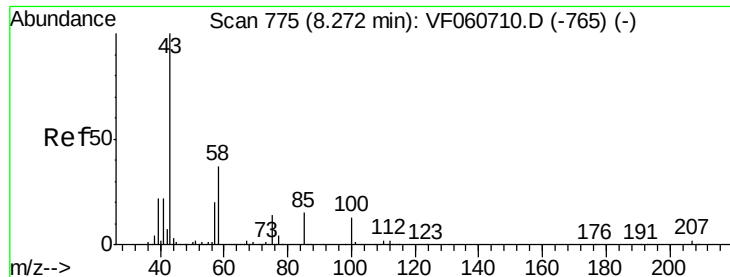
100 71.0 56.5 84.7



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: 242.825 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

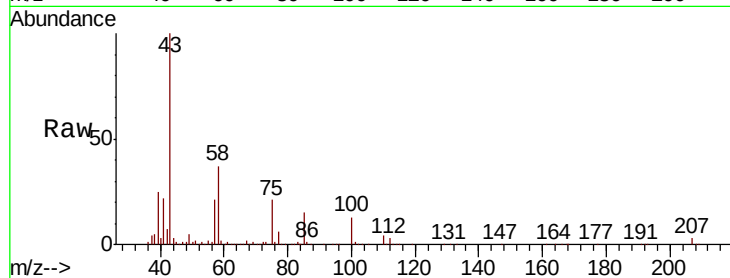
BFB

Tgt Ion: 43 Resp: 378966

Ion Ratio Lower Upper

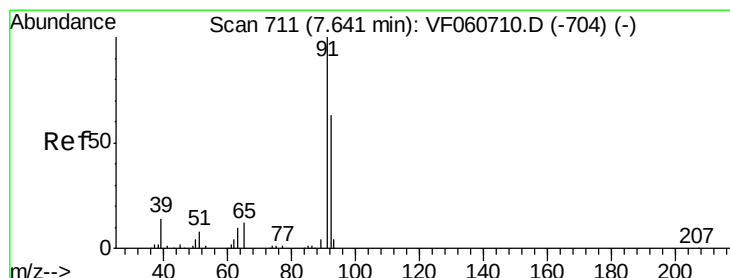
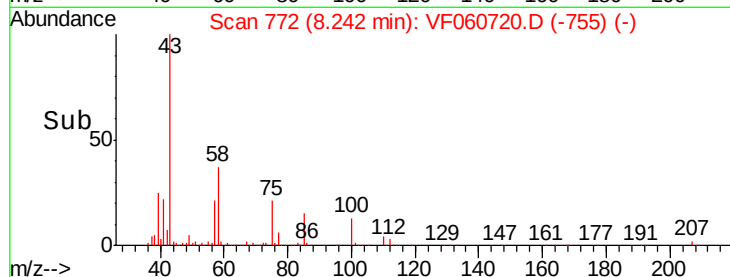
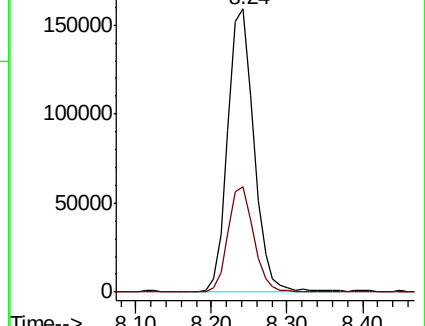
43 100

58 37.3 29.2 43.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 50.579 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.04 min

Lab File: VF060720.D

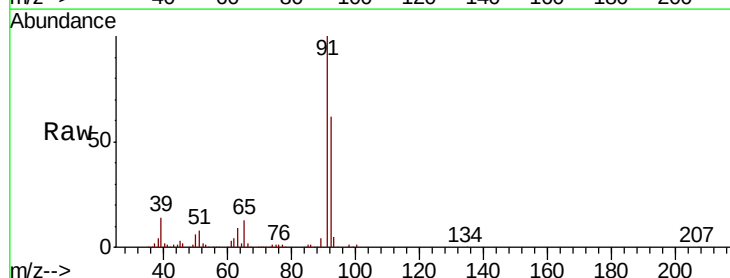
Acq: 14 Nov 2018 11:48

Tgt Ion: 92 Resp: 330747

Ion Ratio Lower Upper

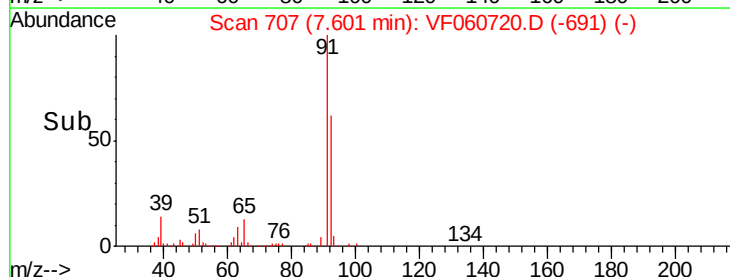
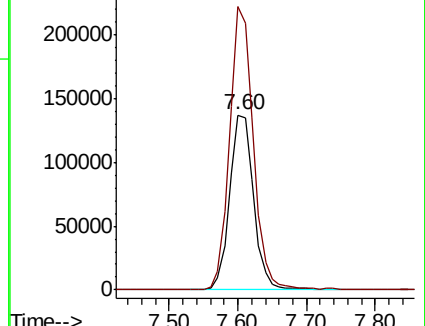
92 100

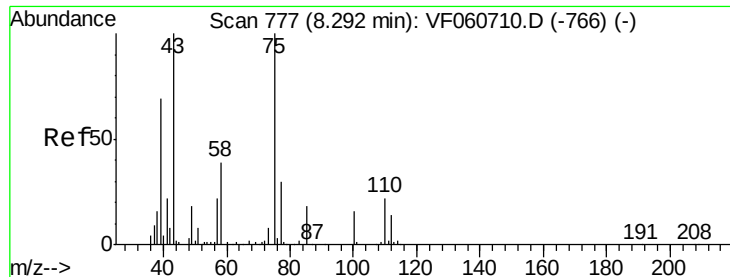
91 161.8 126.7 190.1



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: 46.701 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

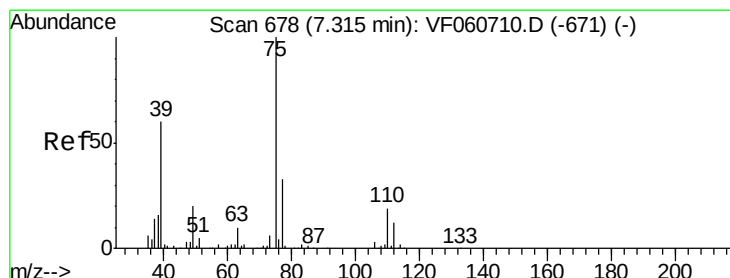
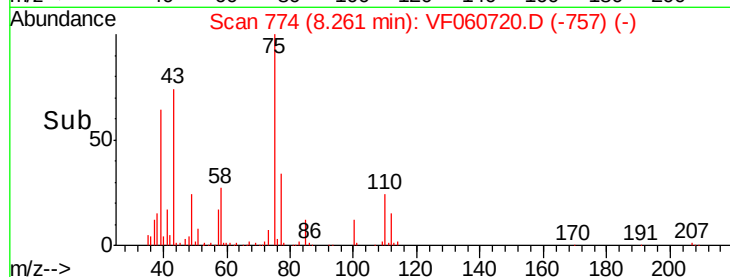
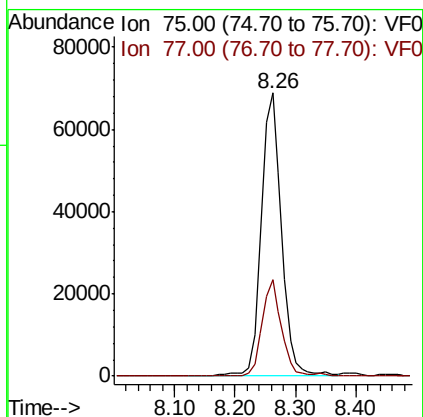
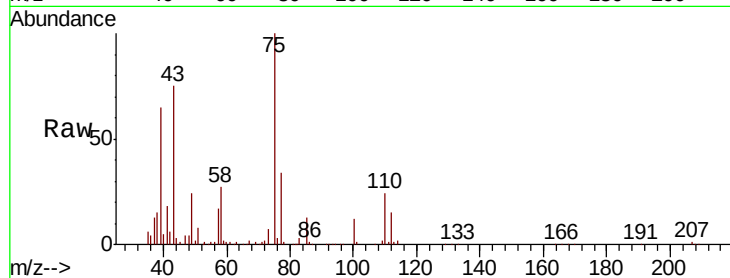
BFB

Tgt Ion: 75 Resp: 160107

Ion Ratio Lower Upper

75 100

77 34.0 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 47.930 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

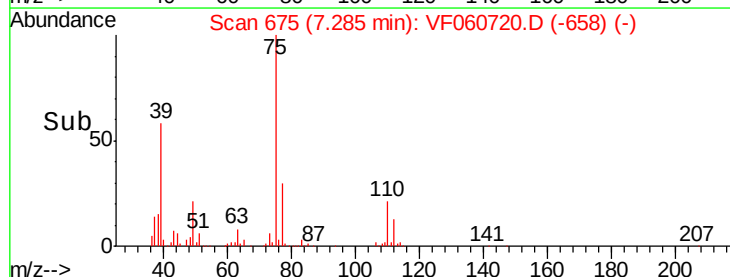
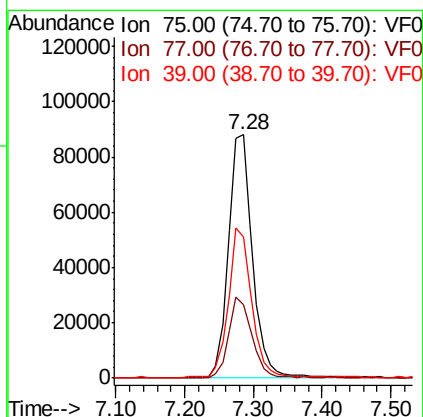
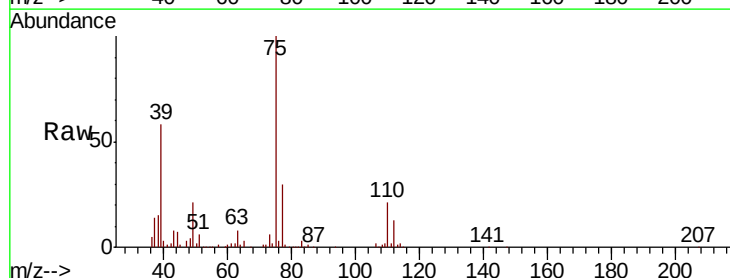
Tgt Ion: 75 Resp: 213441

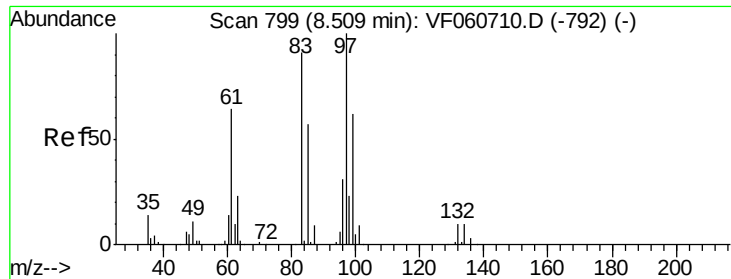
Ion Ratio Lower Upper

75 100

77 30.4 26.5 39.7

39 58.3 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 48.470 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.04 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampled :

BFB

Tgt Ion: 97 Resp: 90560

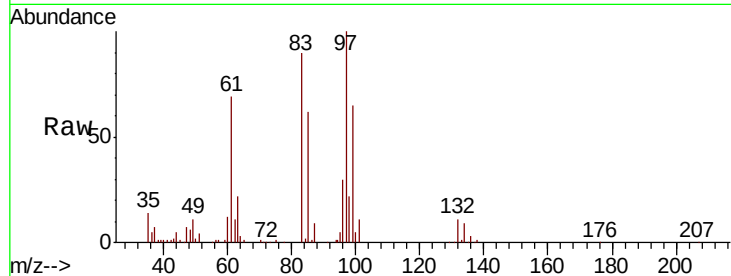
Ion Ratio Lower Upper

97 100

83 90.3 72.8 109.2

85 61.6 45.8 68.6

99 64.6 49.4 74.0

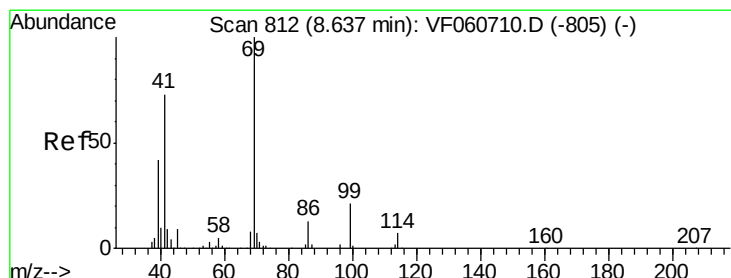
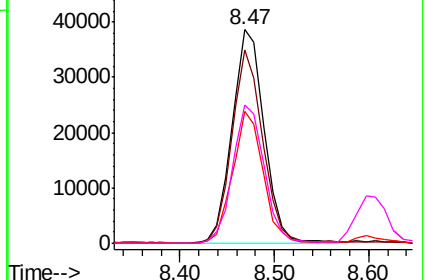
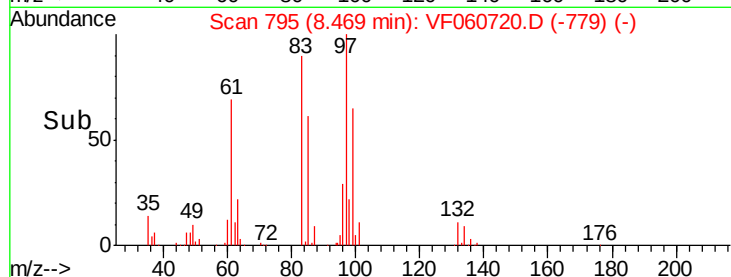


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 49.207 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.04 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

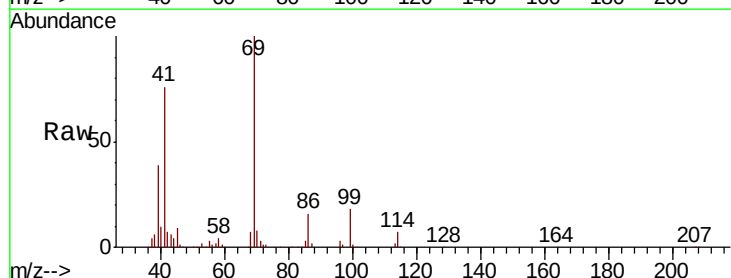
Tgt Ion: 69 Resp: 104414

Ion Ratio Lower Upper

69 100

41 76.2 59.0 88.6

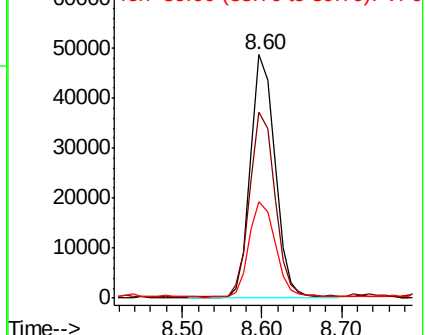
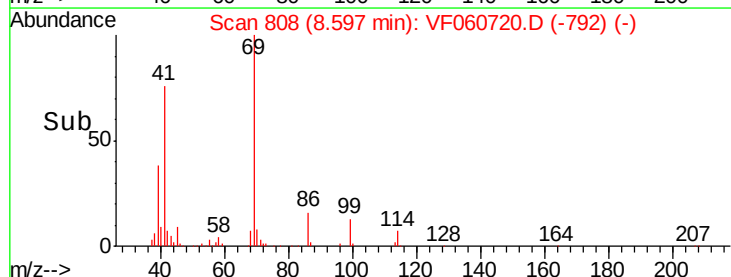
39 39.3 34.0 51.0

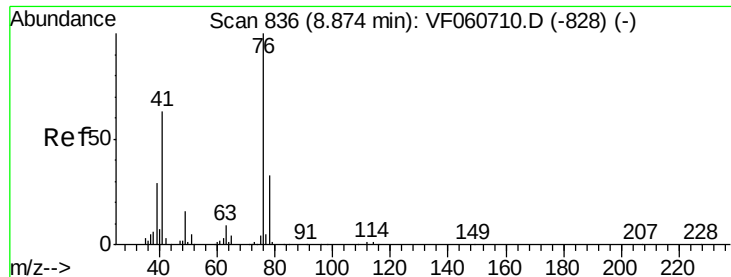


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 50.197 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.04 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

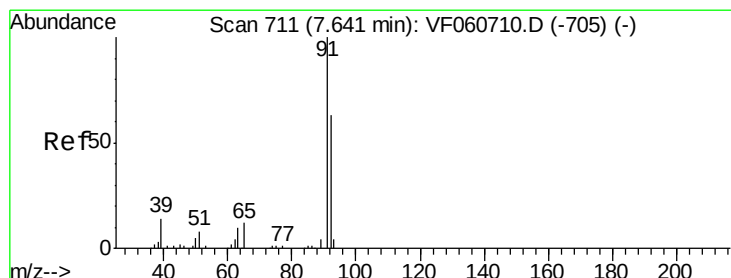
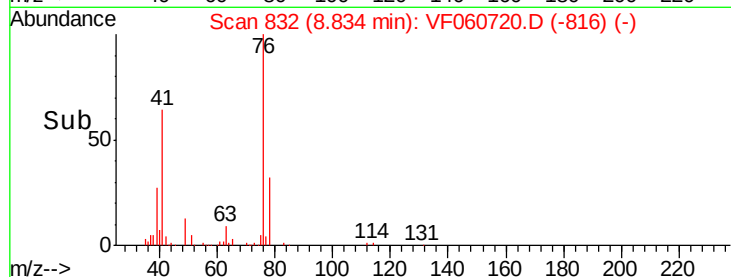
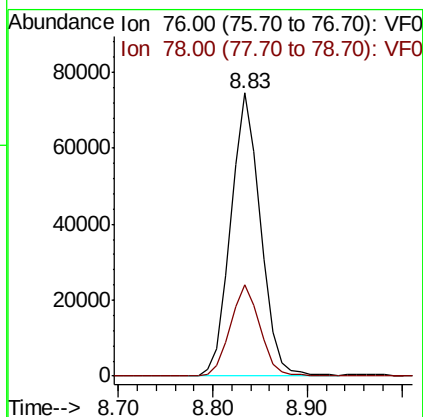
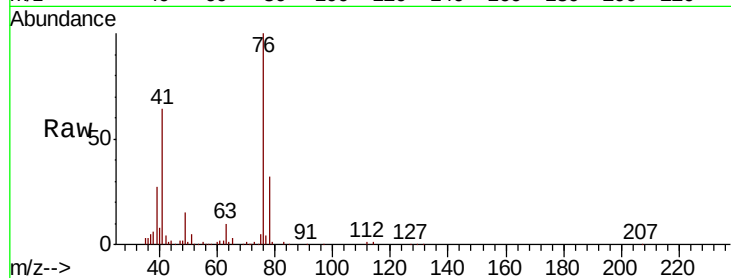
BFB

Tgt Ion: 76 Resp: 162540

Ion Ratio Lower Upper

76 100

78 32.3 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 241.608 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.04 min

Lab File: VF060720.D

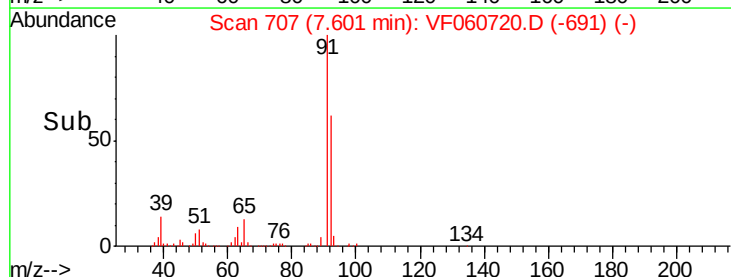
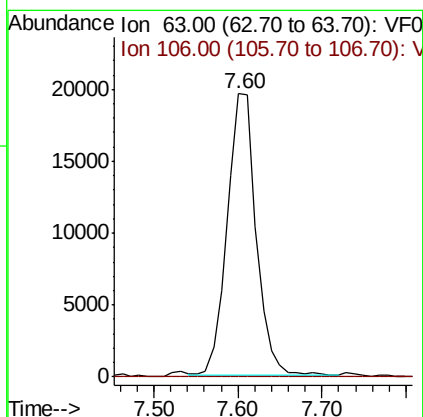
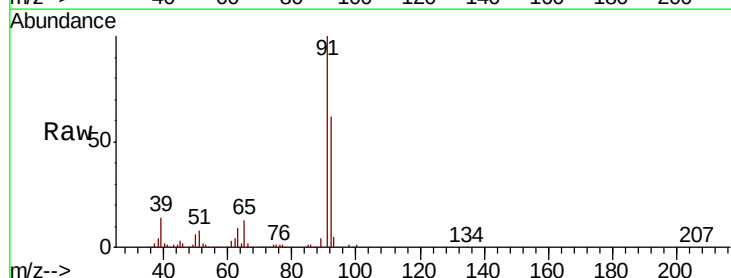
Acq: 14 Nov 2018 11:48

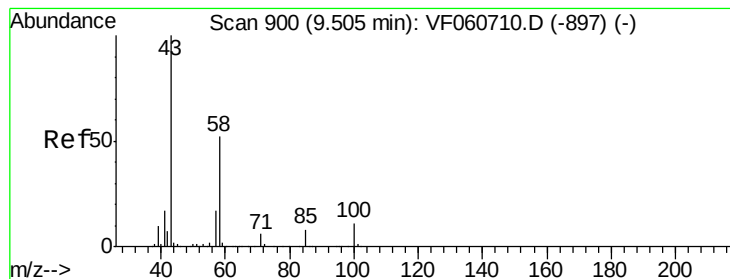
Tgt Ion: 63 Resp: 46832

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 273.987 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

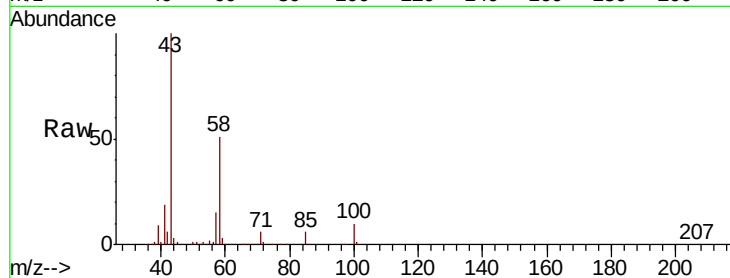
BFB

Tgt Ion: 43 Resp: 300503

Ion Ratio Lower Upper

43 100

58 51.0 24.9 74.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

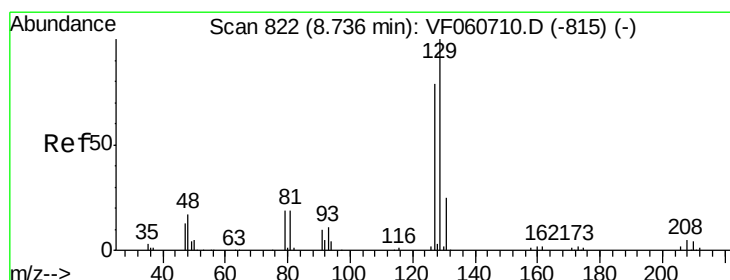
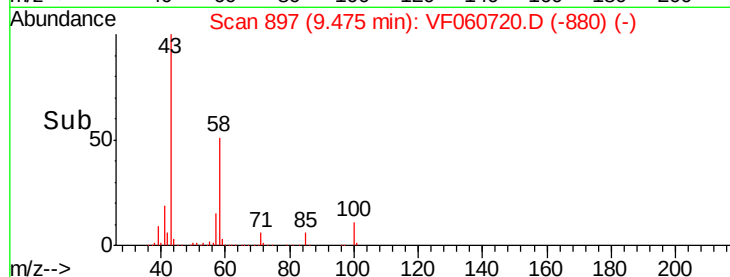
100000

50000

0

9.40 9.50 9.60

Time-->



#60

Dibromochloromethane

Concen: 49.651 ug/l

RT: 8.70 min Scan# 818

Delta R.T. -0.04 min

Lab File: VF060720.D

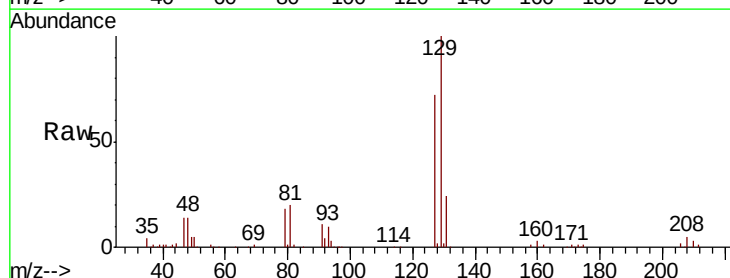
Acq: 14 Nov 2018 11:48

Tgt Ion: 129 Resp: 132210

Ion Ratio Lower Upper

129 100

127 72.4 39.7 119.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

60000

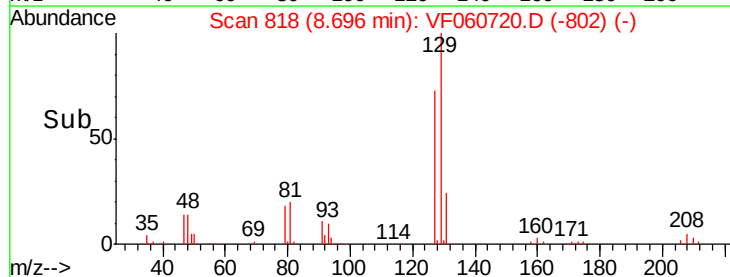
40000

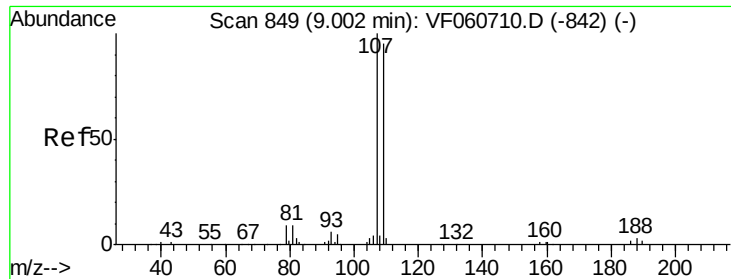
20000

0

8.60 8.70 8.80

Time-->





#61

1,2-Dibromoethane

Concen: 50.808 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

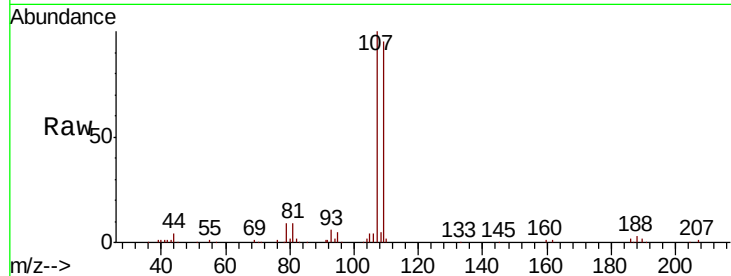
BFB

Tgt Ion: 107 Resp: 99835

Ion Ratio Lower Upper

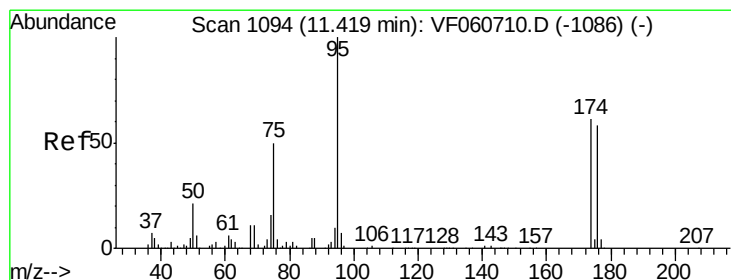
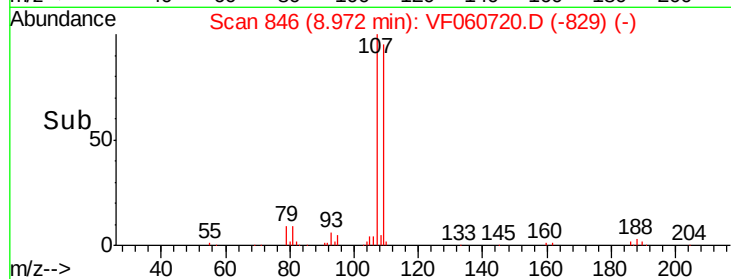
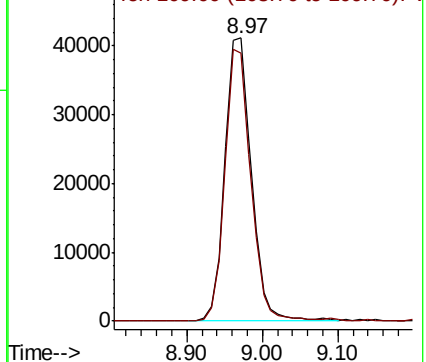
107 100

109 94.7 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.827 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

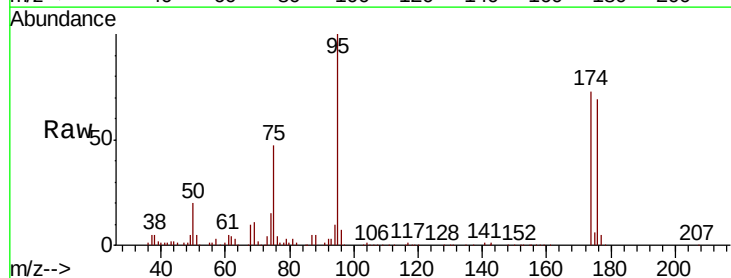
Tgt Ion: 95 Resp: 170432

Ion Ratio Lower Upper

95 100

174 73.3 0.0 121.6

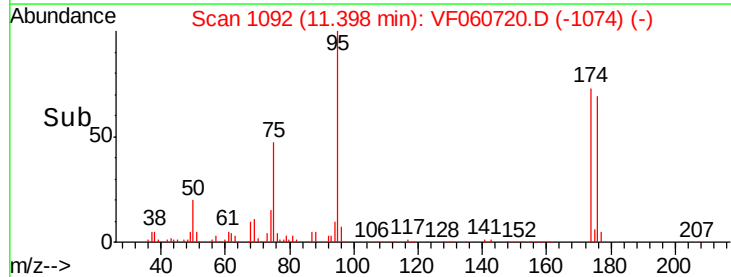
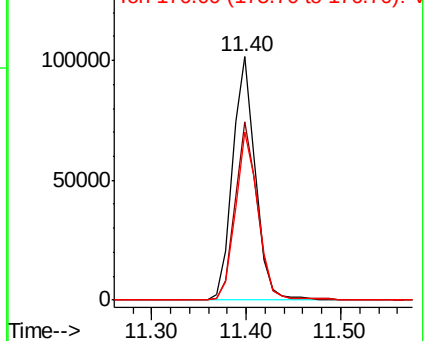
176 68.9 0.0 115.2

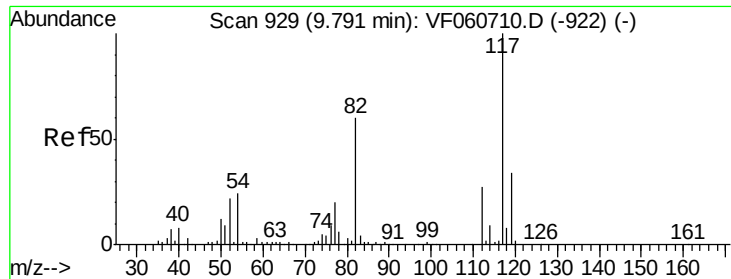


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

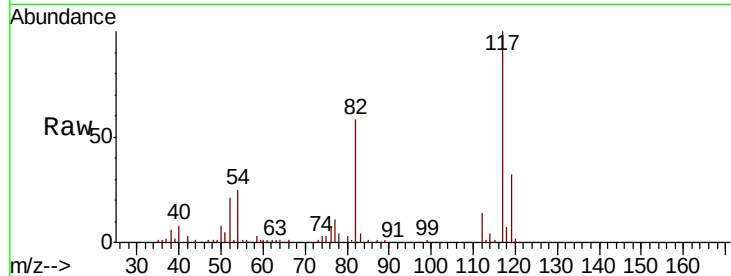




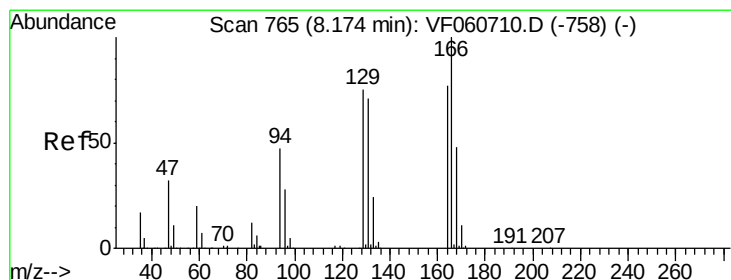
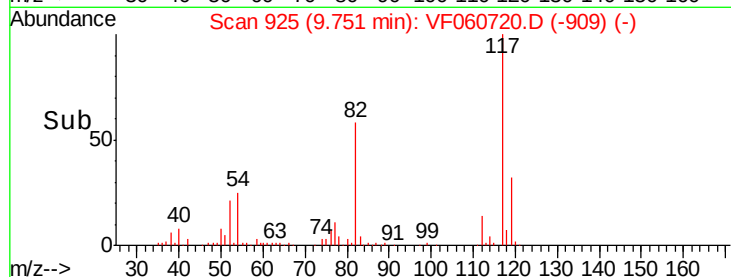
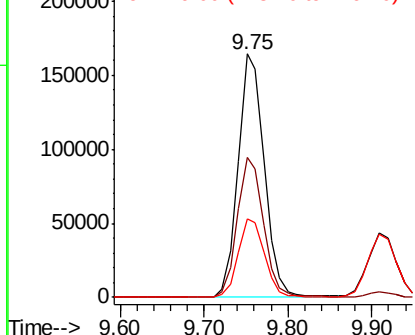
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Instrument :
MSVOA_F
ClientSampled :
BFB

Tgt Ion:117 Resp: 357449
Ion Ratio Lower Upper
117 100
82 57.7 47.9 71.9
119 32.3 26.8 40.2



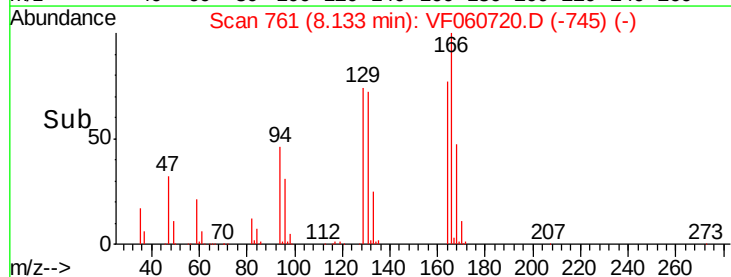
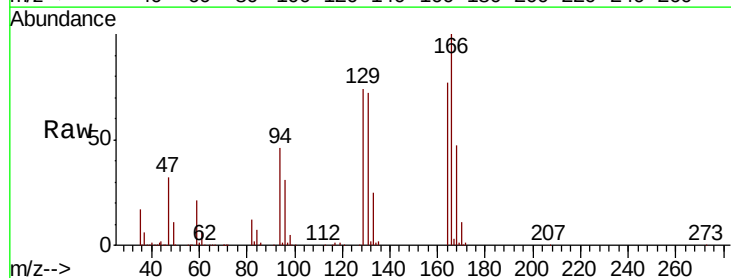
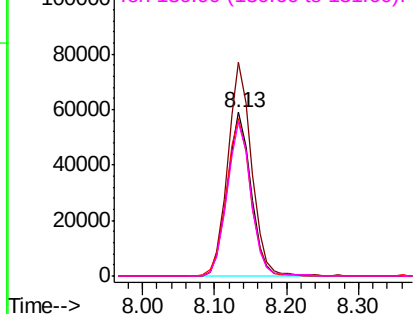
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

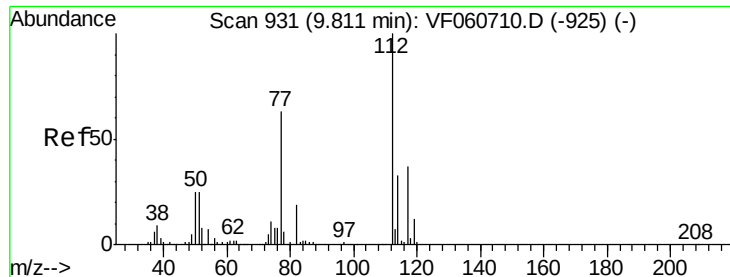


#64
Tetrachloroethene
Concen: 47.786 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.04 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Tgt Ion:164 Resp: 135262
Ion Ratio Lower Upper
164 100
166 130.5 103.5 155.3
129 96.1 77.4 116.2
131 93.6 73.5 110.3

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

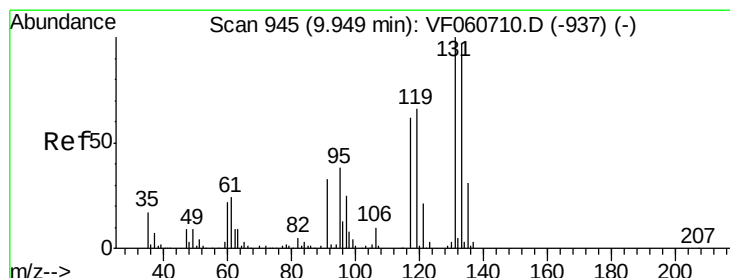
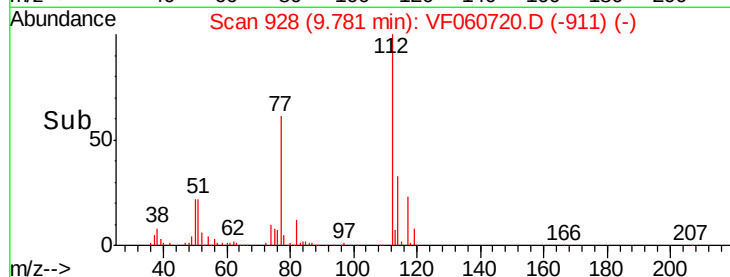
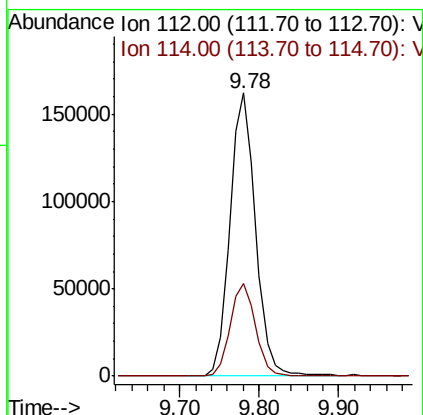
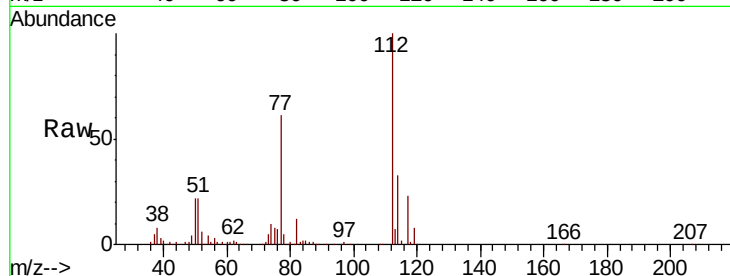




#65
Chlorobenzene
Concen: 50.544 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

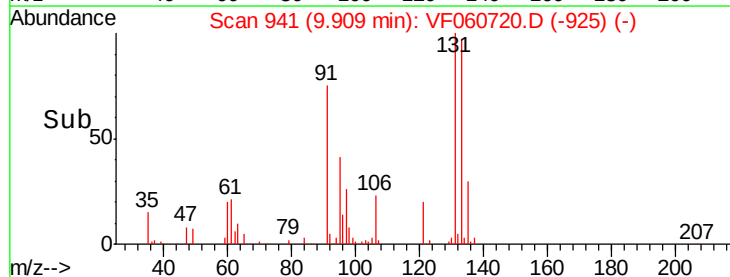
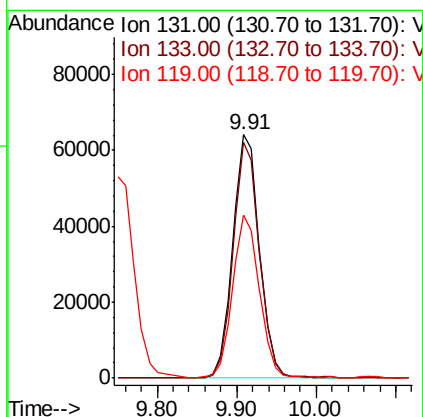
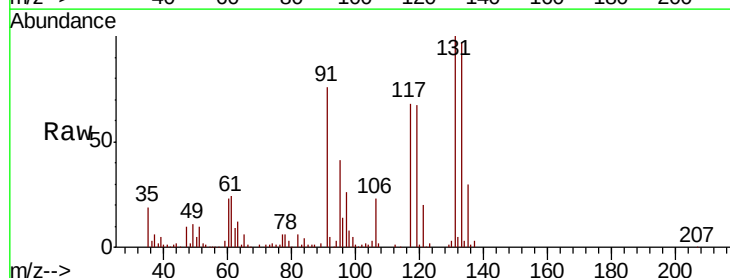
Instrument :
MSVOA_F
ClientSampleId :
BFB

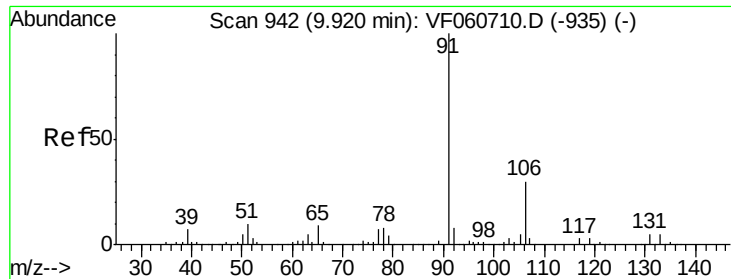
Tgt Ion:112 Resp: 364574
Ion Ratio Lower Upper
112 100
114 32.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 47.590 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.04 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Tgt Ion:131 Resp: 149723
Ion Ratio Lower Upper
131 100
133 97.1 48.3 144.8
119 67.1 33.2 99.6

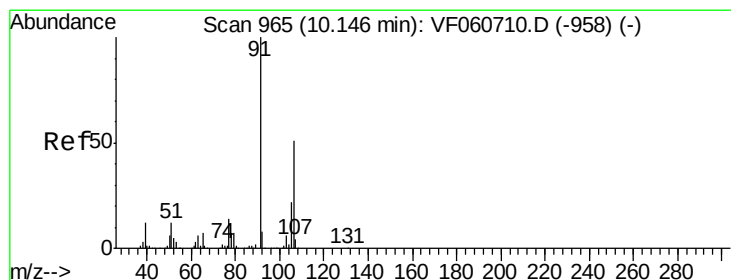
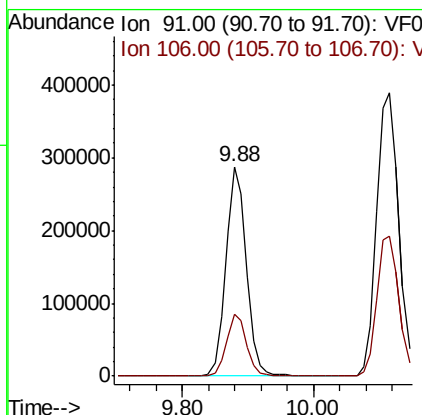
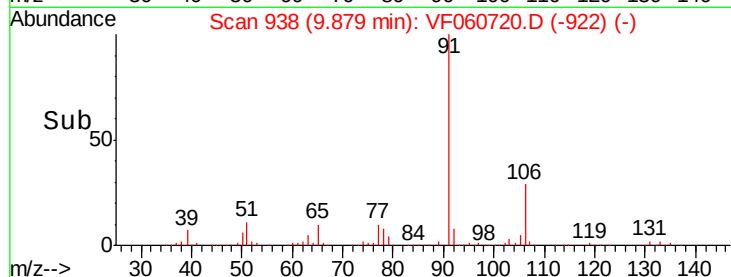
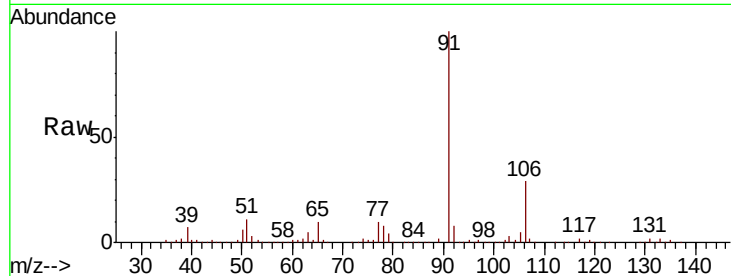




#67
Ethyl Benzene
Concen: 46.084 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.04 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

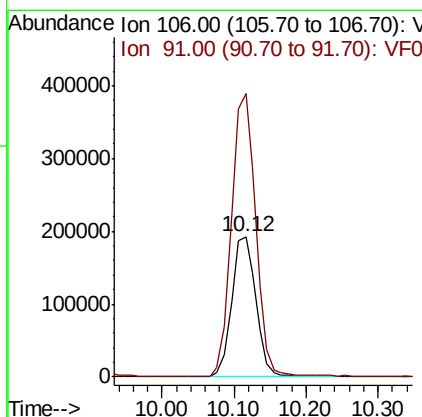
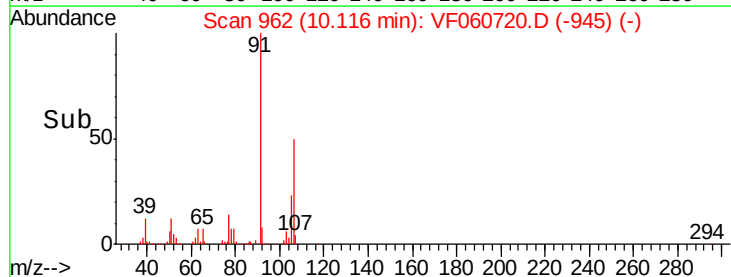
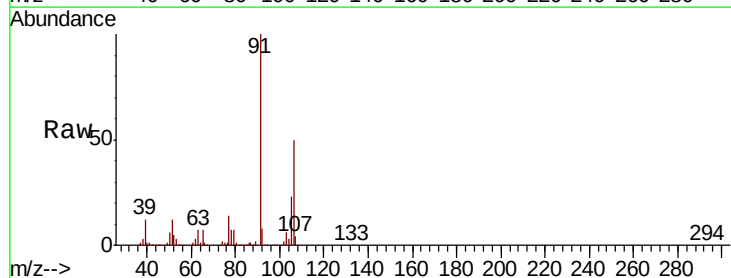
Instrument :
MSVOA_F
ClientSampleId :
BFB

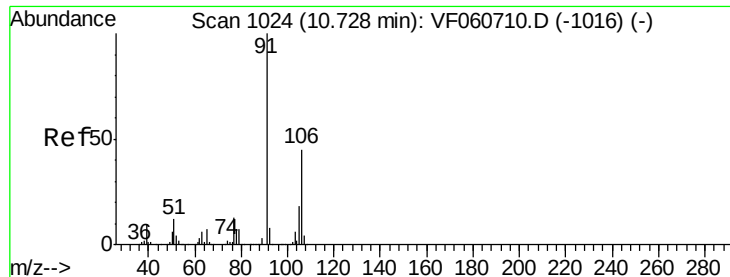
Tgt Ion: 91 Resp: 626564
Ion Ratio Lower Upper
91 100
106 29.4 23.9 35.9



#68
m/p-Xylenes
Concen: 92.295 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.03 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Tgt Ion: 106 Resp: 448453
Ion Ratio Lower Upper
106 100
91 201.5 158.2 237.2

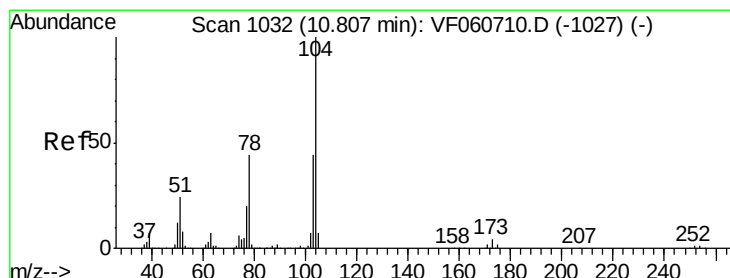
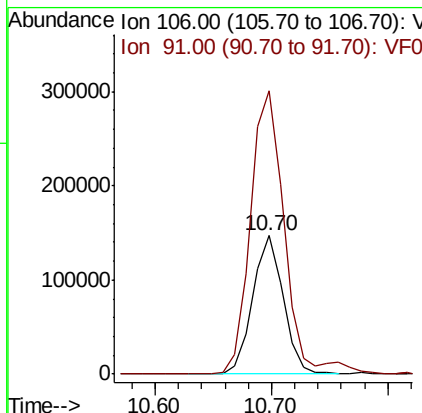
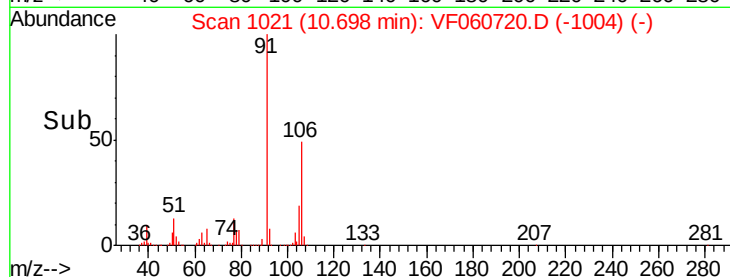
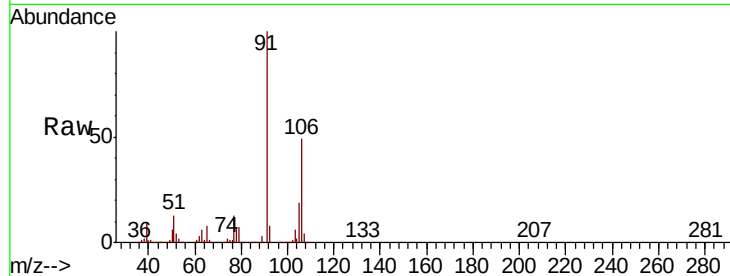




#69
o-Xylene
Concen: 49.277 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

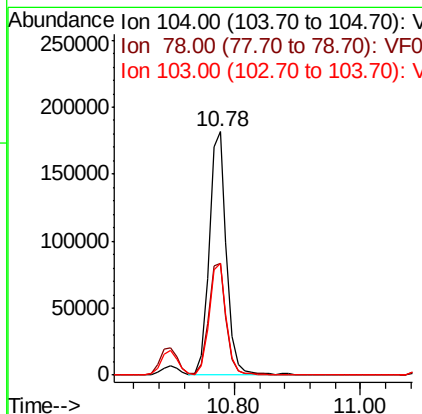
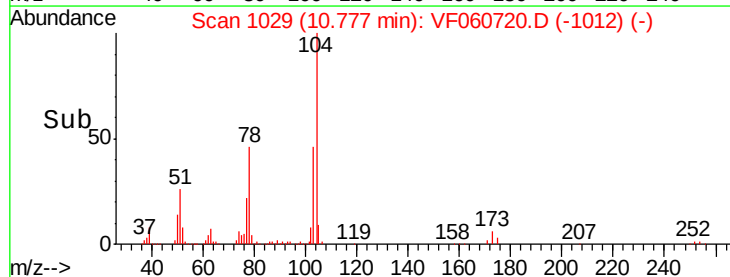
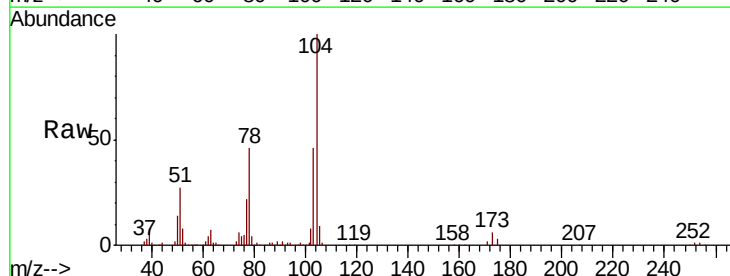
Instrument :
MSVOA_F
ClientSampleId :
BFB

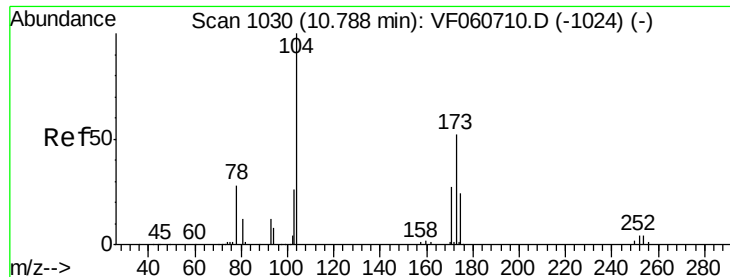
Tgt Ion:106 Resp: 269187
Ion Ratio Lower Upper
106 100
91 204.2 110.3 330.9



#70
Styrene
Concen: 46.941 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.03 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Tgt Ion:104 Resp: 348009
Ion Ratio Lower Upper
104 100
78 46.0 35.4 53.2
103 46.0 35.8 53.6





#71

Bromoform

Concen: 47.860 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampled :

BFB

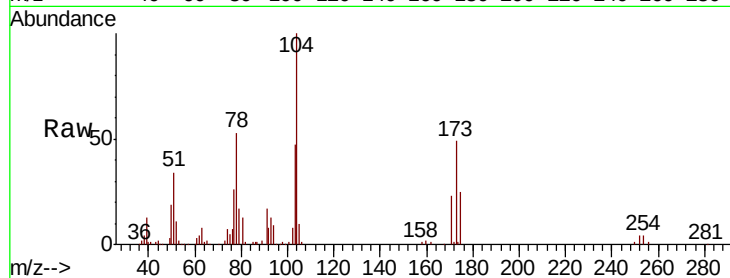
Tgt Ion:173 Resp: 67709

Ion Ratio Lower Upper

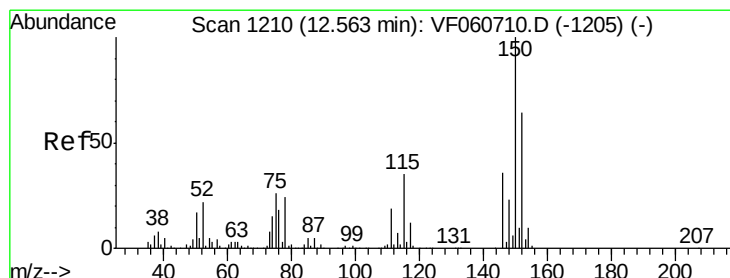
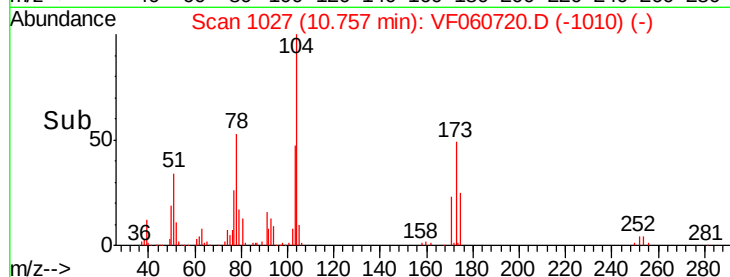
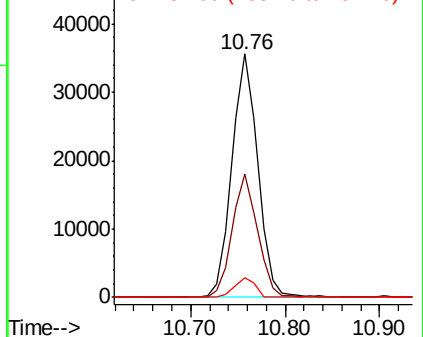
173 100

175 50.4 23.4 70.0

254 8.3 5.8 8.8



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: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

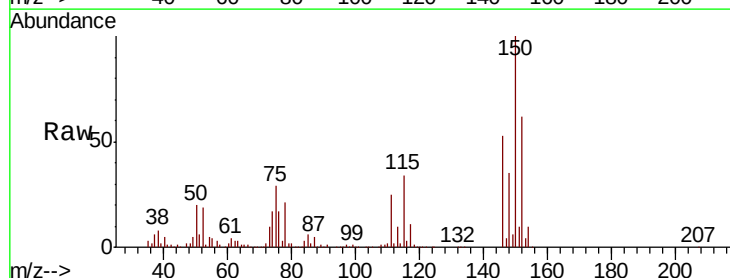
Tgt Ion:152 Resp: 184072

Ion Ratio Lower Upper

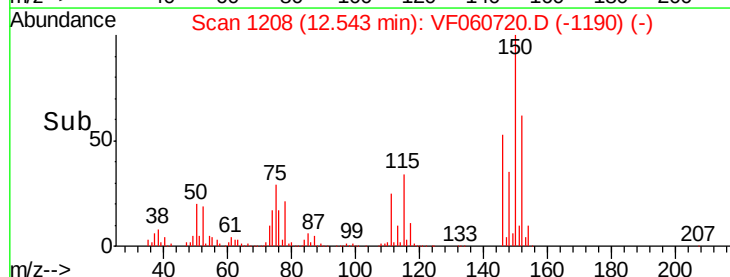
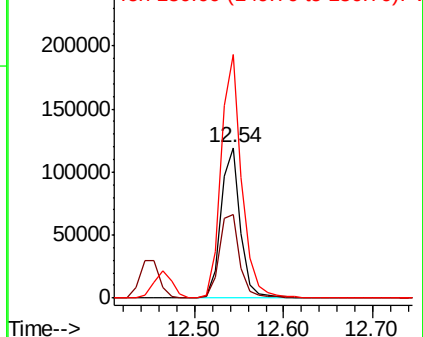
152 100

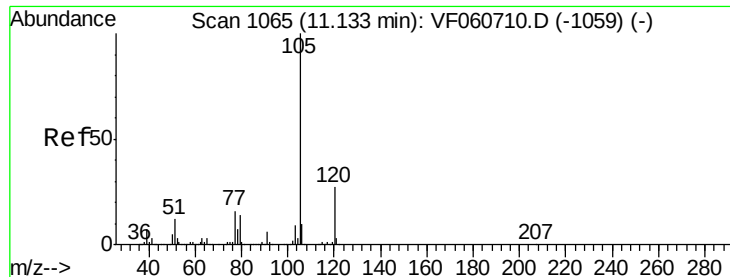
115 55.2 27.9 83.7

150 161.4 0.0 316.4



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: 53.519 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

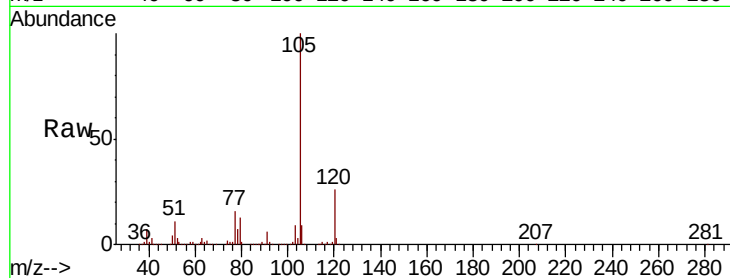
BFB

Tgt Ion:105 Resp: 792960

Ion Ratio Lower Upper

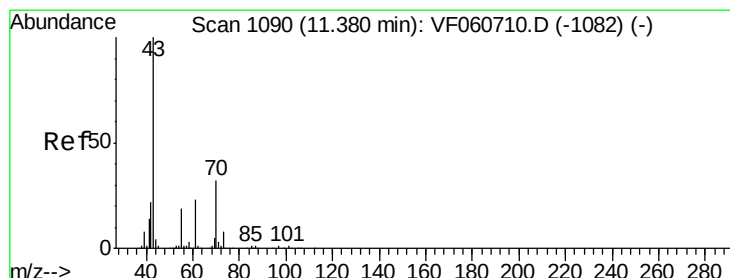
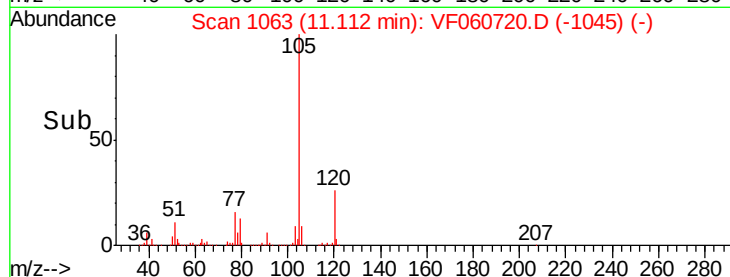
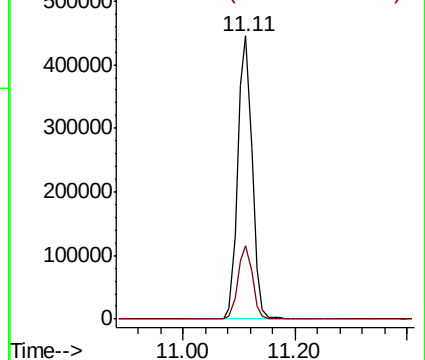
105 100

120 25.9 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.220 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Tgt Ion: 43 Resp: 182883

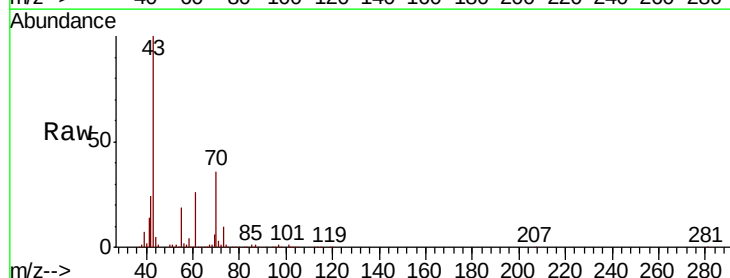
Ion Ratio Lower Upper

43 100

70 36.3 25.5 38.3

55 19.2 14.9 22.3

61 26.4 18.6 27.8

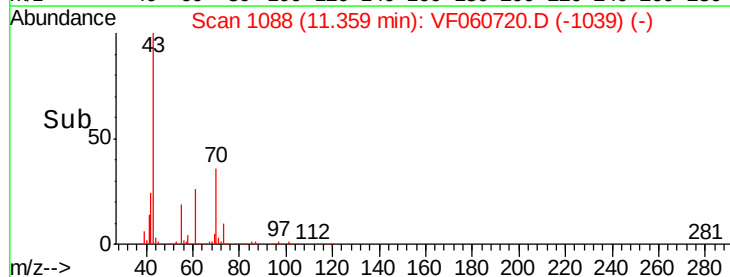
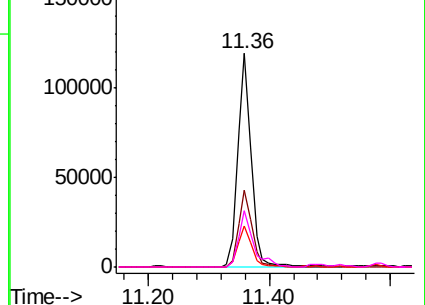


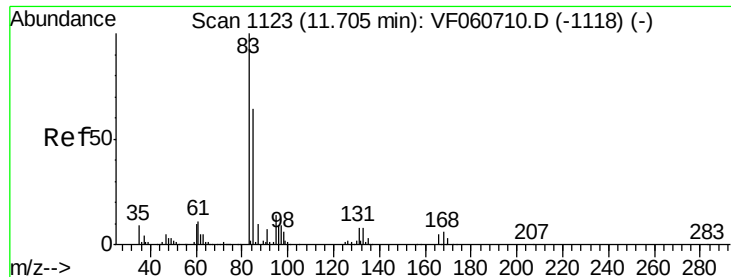
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 48.688 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

BFB

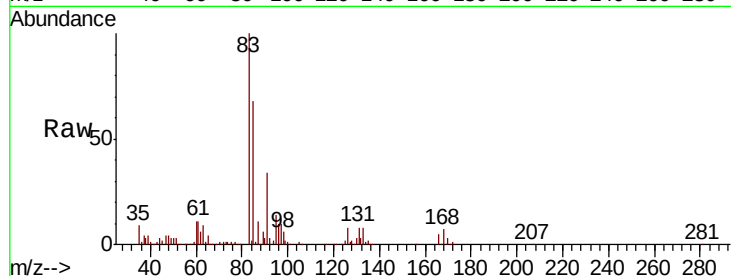
Tgt Ion: 83 Resp: 119266

Ion Ratio Lower Upper

83 100

131 8.5 4.2 12.4

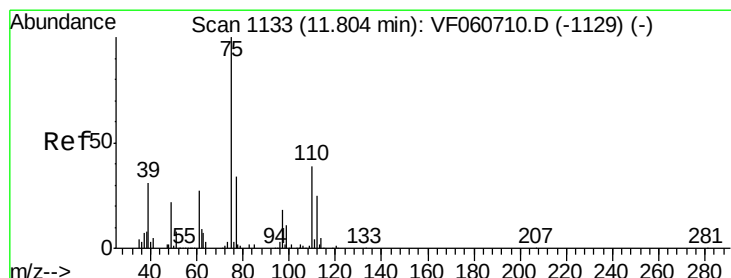
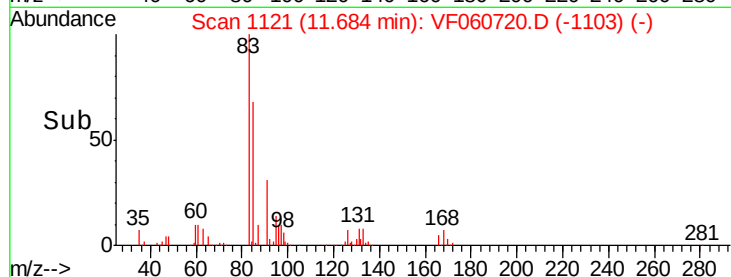
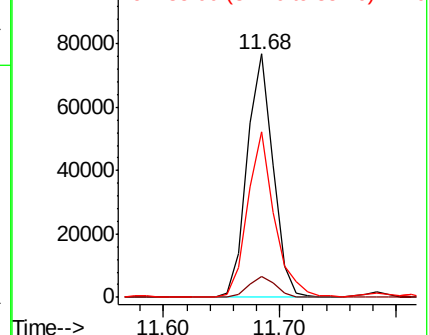
85 68.0 32.0 96.2



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: 47.725 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF060720.D

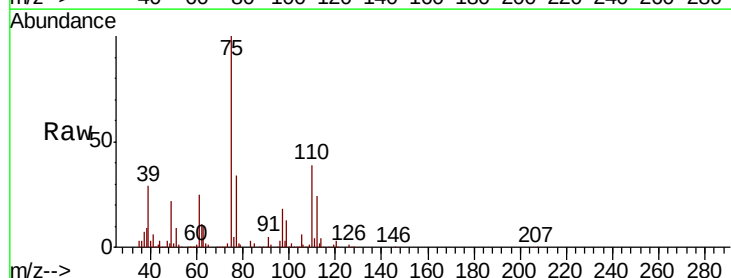
Acq: 14 Nov 2018 11:48

Tgt Ion: 75 Resp: 86826

Ion Ratio Lower Upper

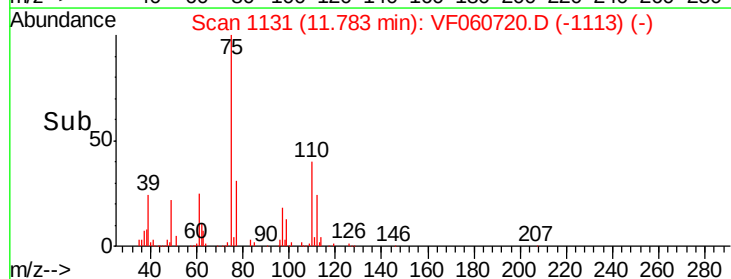
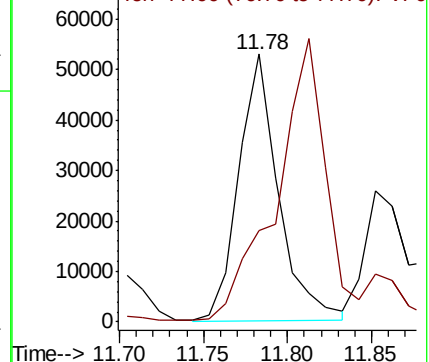
75 100

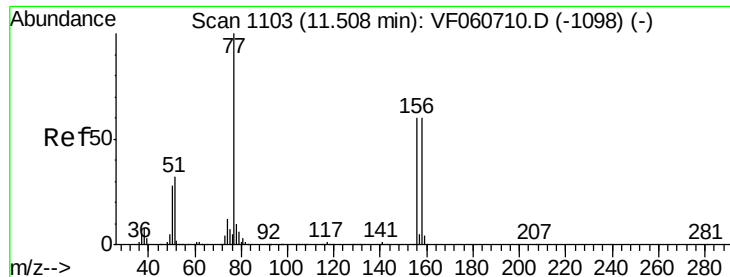
77 34.2 17.0 51.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.855 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

BFB

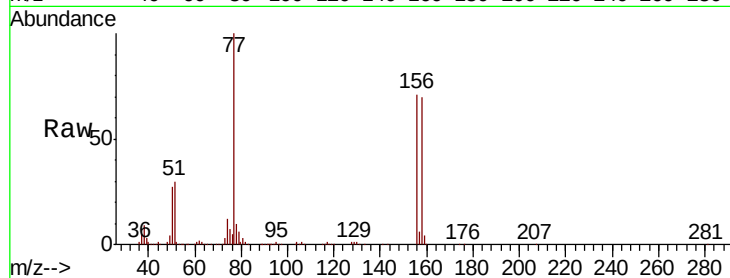
Tgt Ion: 156 Resp: 159926

Ion Ratio Lower Upper

156 100

77 140.2 83.0 248.9

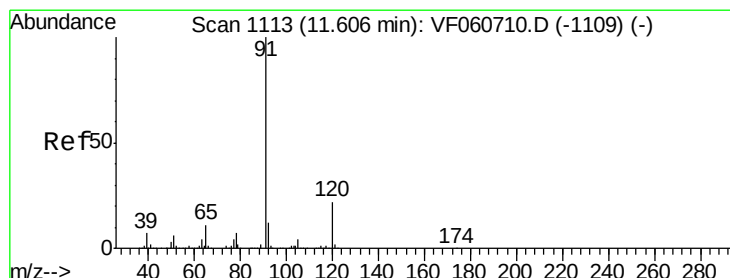
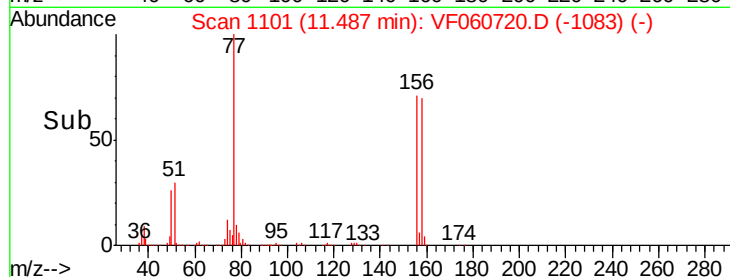
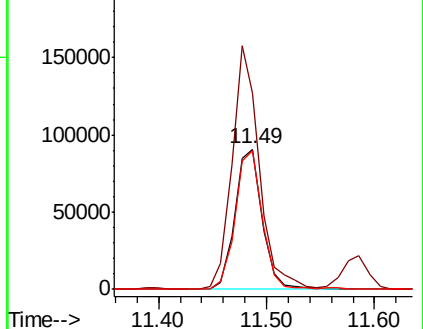
158 98.7 49.6 149.0



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: 48.224 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF060720.D

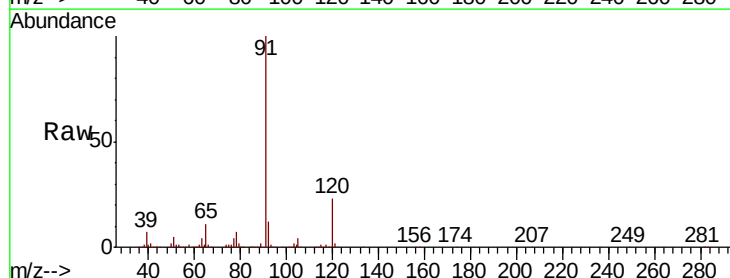
Acq: 14 Nov 2018 11:48

Tgt Ion: 91 Resp: 833316

Ion Ratio Lower Upper

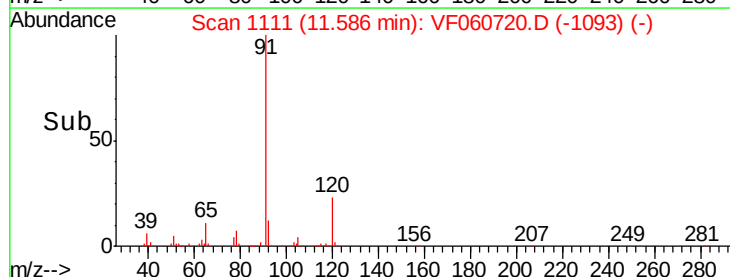
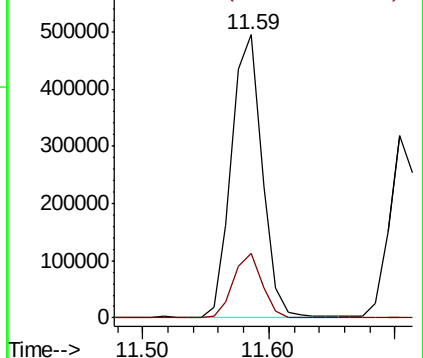
91 100

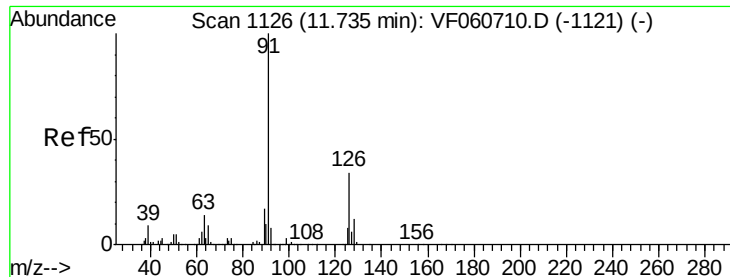
120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

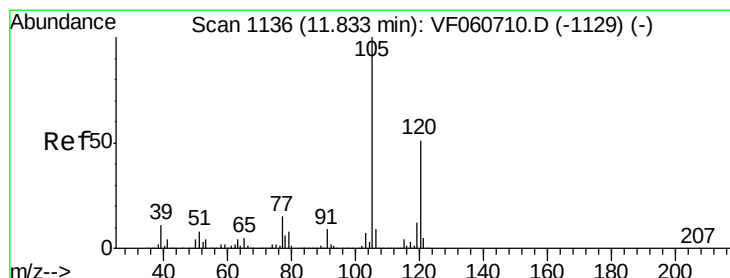
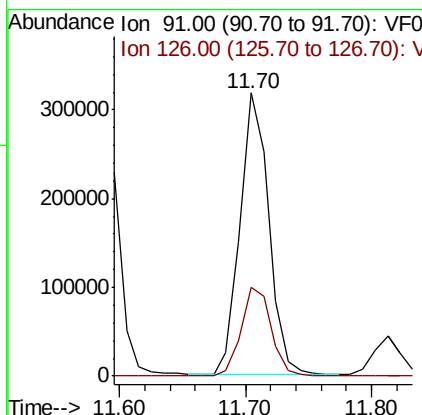
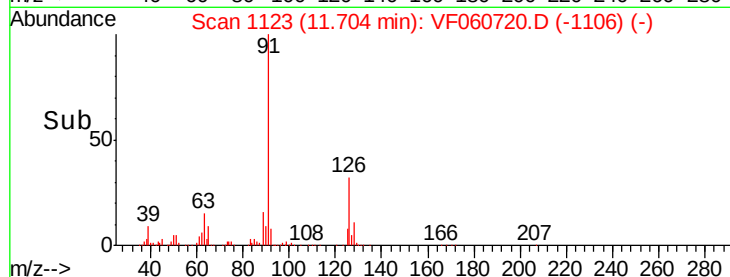
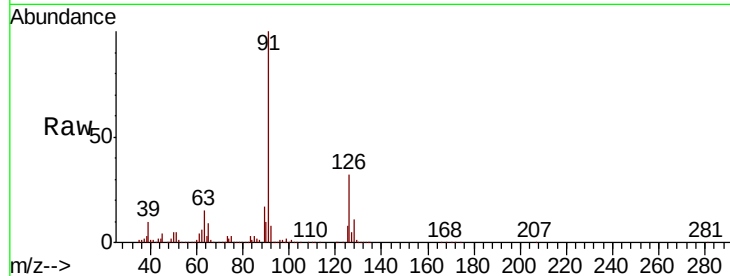




#79
 2-Chlorotoluene
 Concen: 49.774 ug/l
 RT: 11.70 min Scan# 1123
 Delta R.T. -0.03 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

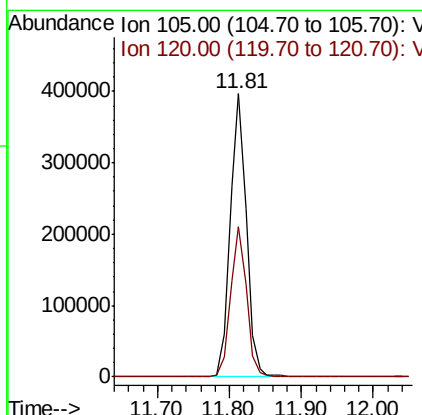
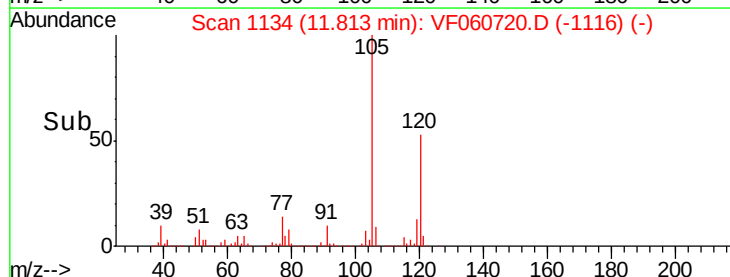
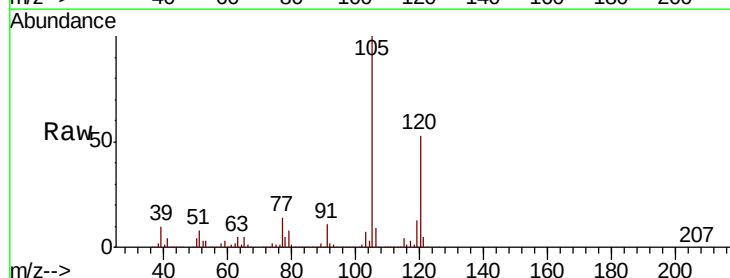
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

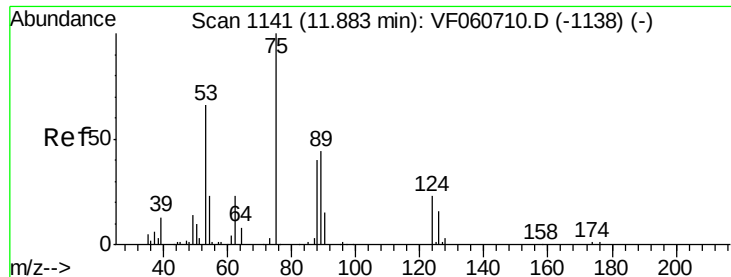
Tgt Ion: 91 Resp: 499901
 Ion Ratio Lower Upper
 91 100
 126 31.6 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 52.511 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

Tgt Ion: 105 Resp: 617687
 Ion Ratio Lower Upper
 105 100
 120 53.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 60.970 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

BFB

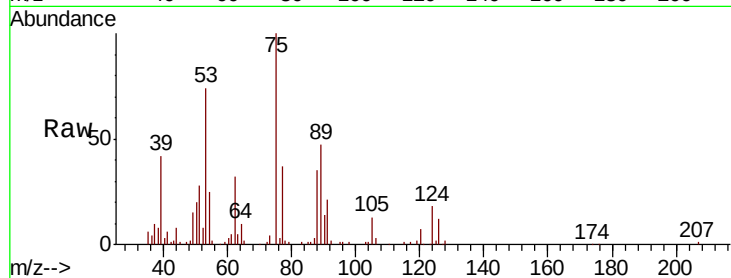
Tgt Ion: 75 Resp: 54494

Ion Ratio Lower Upper

75 100

53 73.6 57.0 85.4

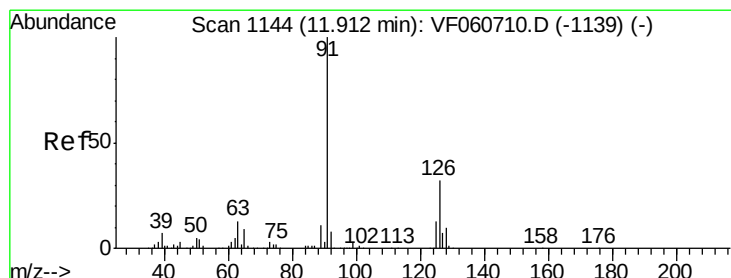
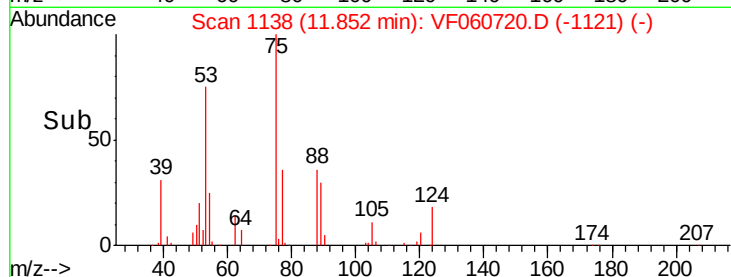
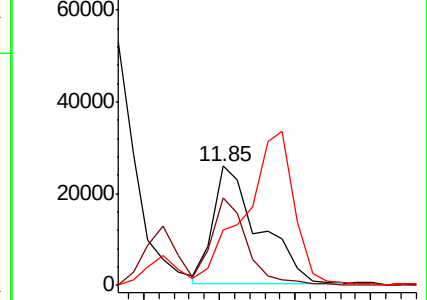
89 46.7 37.8 56.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 50.940 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF060720.D

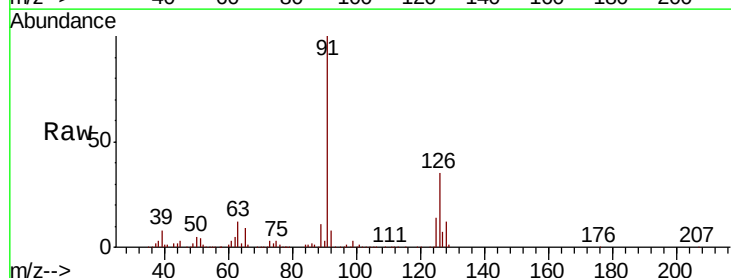
Acq: 14 Nov 2018 11:48

Tgt Ion: 91 Resp: 524125

Ion Ratio Lower Upper

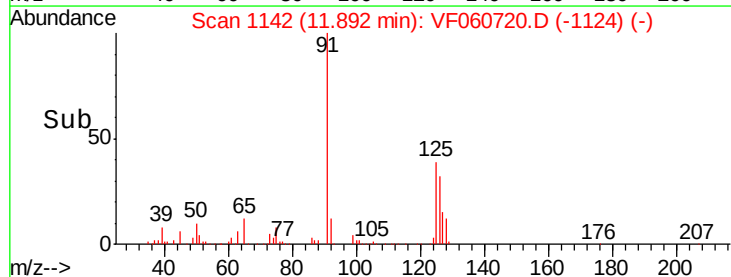
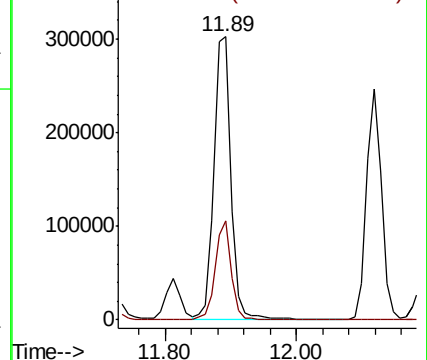
91 100

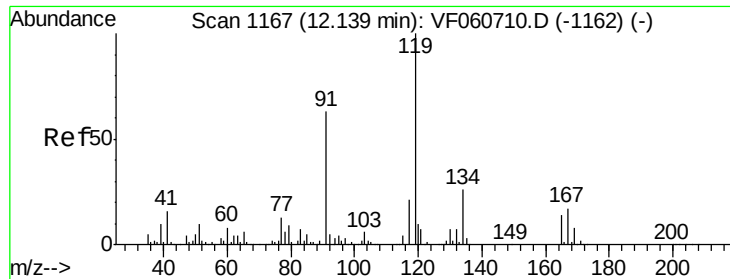
126 34.9 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

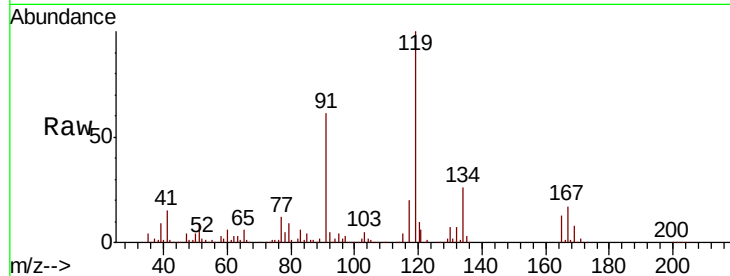




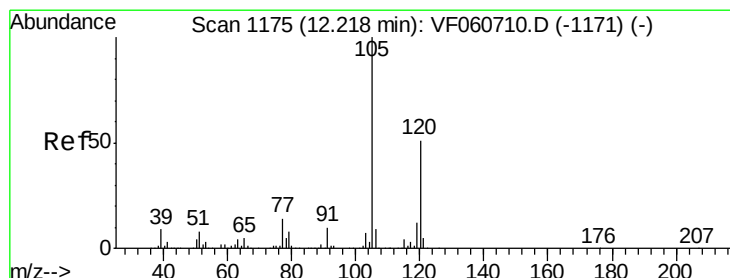
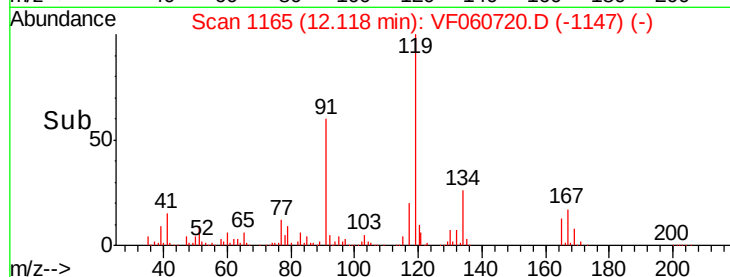
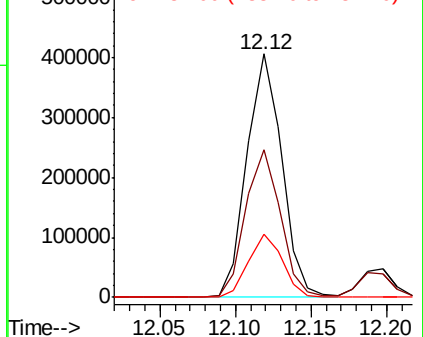
#83
 tert-Butylbenzene
 Concen: 52.725 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.02 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Tgt Ion:119 Resp: 658512
 Ion Ratio Lower Upper
 119 100
 91 60.8 31.4 94.3
 134 25.8 12.8 38.4

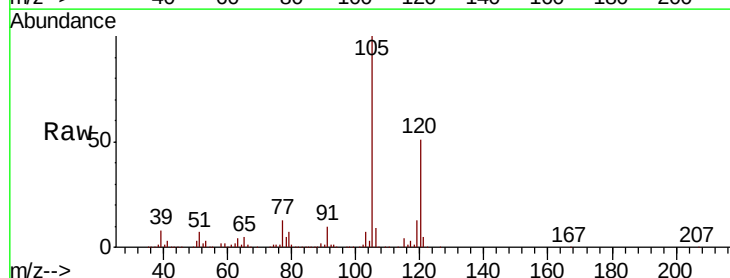


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

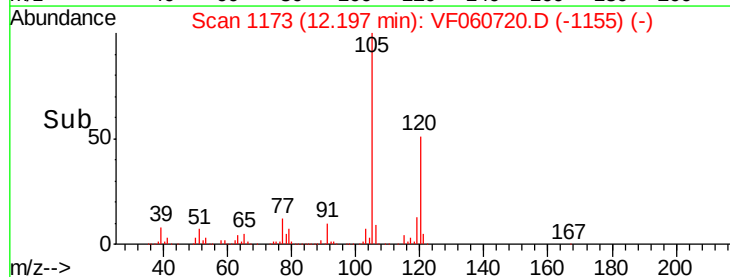
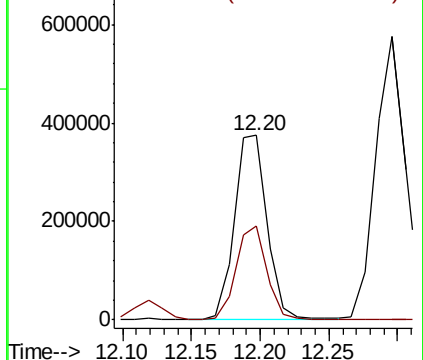


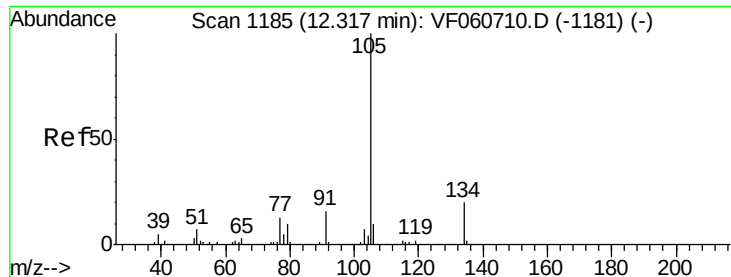
#84
 1,2,4-Trimethylbenzene
 Concen: 51.020 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.02 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

Tgt Ion:105 Resp: 620692
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.5 76.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.521 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

Instrument :

MSVOA_F

ClientSampleId :

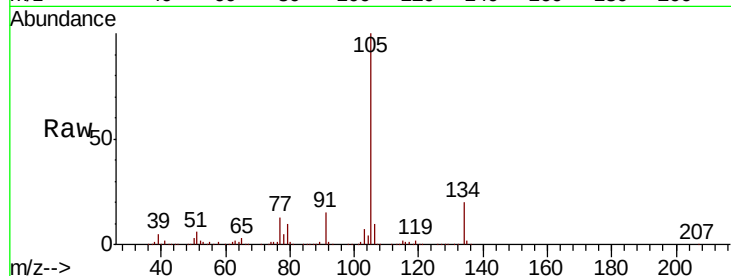
BFB

Tgt Ion:105 Resp: 872898

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.30

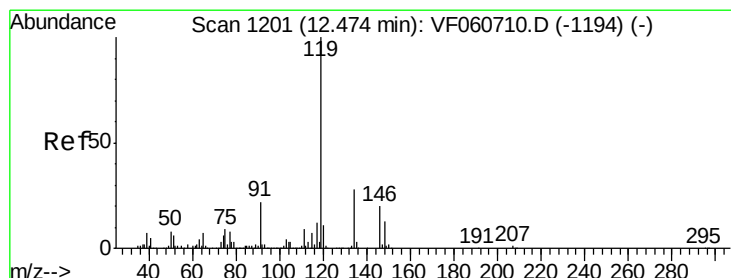
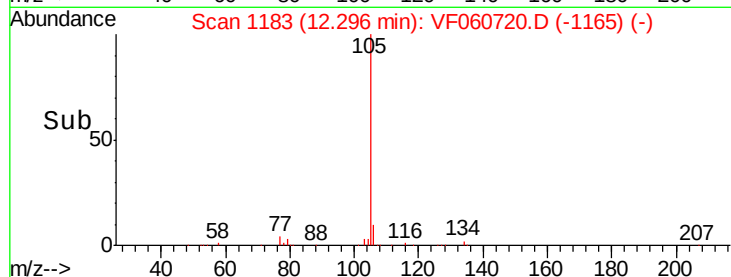
600000

400000

200000

0

Time--> 12.20 12.30 12.40



#86

p-Isopropyltoluene

Concen: 50.503 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.03 min

Lab File: VF060720.D

Acq: 14 Nov 2018 11:48

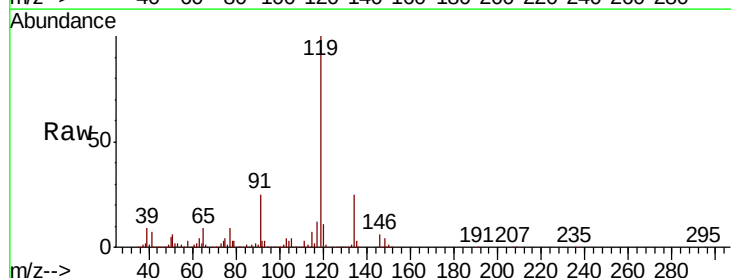
Tgt Ion:119 Resp: 714630

Ion Ratio Lower Upper

119 100

134 25.1 13.9 41.7

91 25.3 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.44

600000

500000

400000

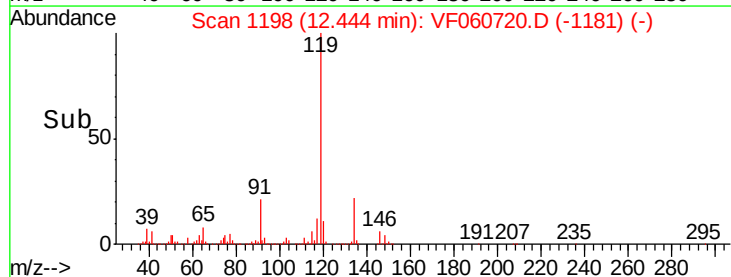
300000

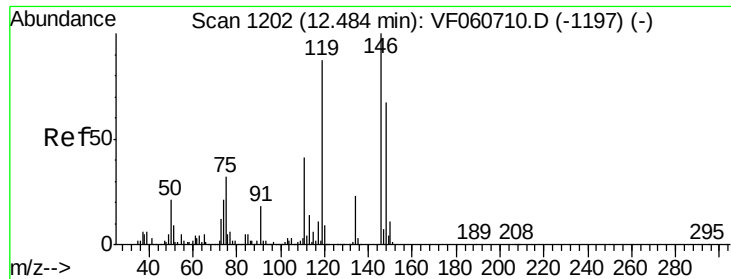
200000

100000

0

Time--> 12.30 12.40 12.50 12.60

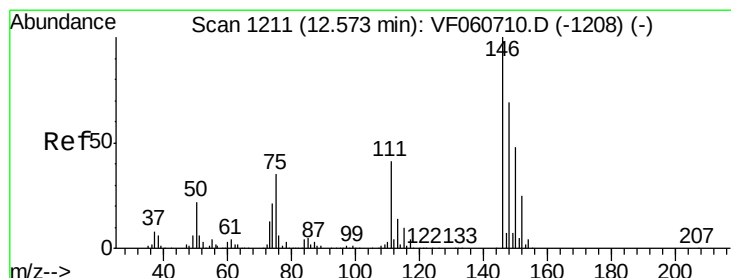
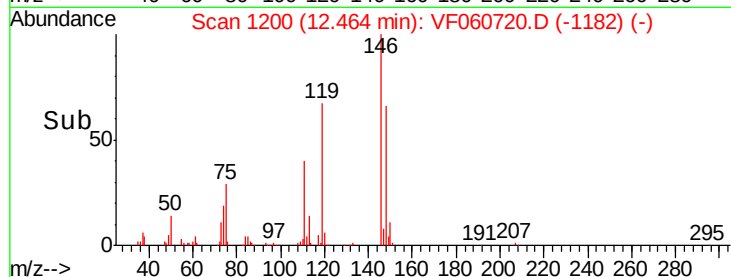
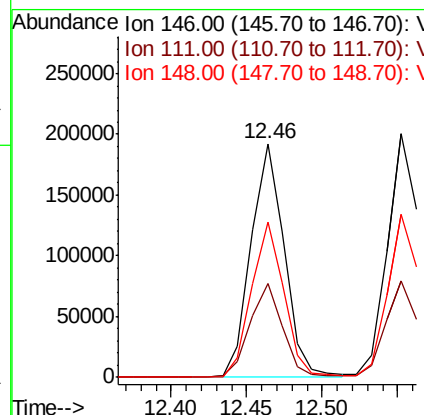
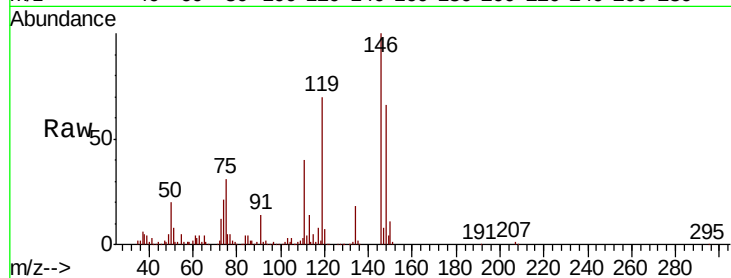




#87
 1,3-Dichlorobenzene
 Concen: 48.423 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

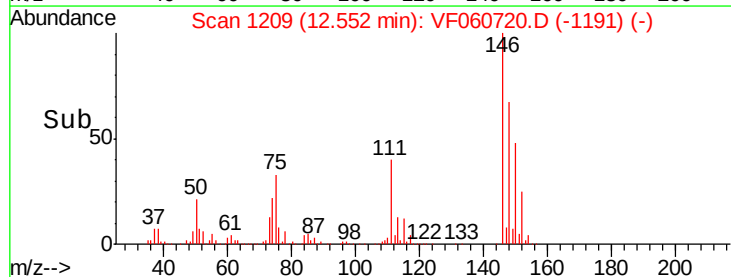
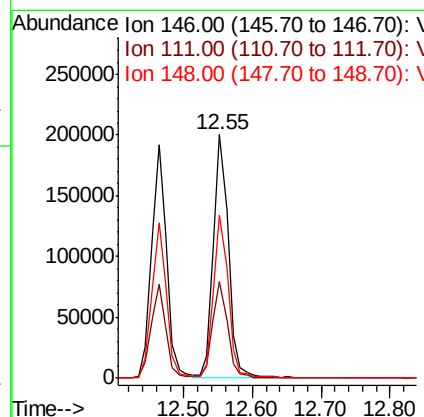
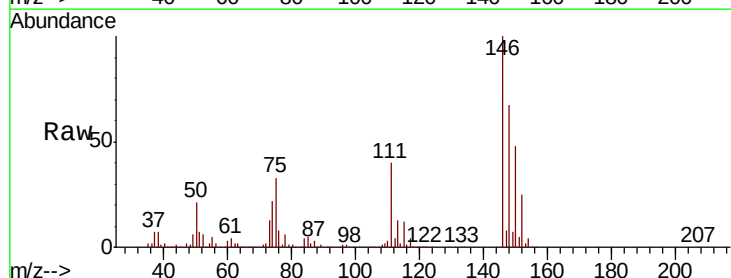
Instrument :
 MSVOA_F
 ClientSampled :
 BFB

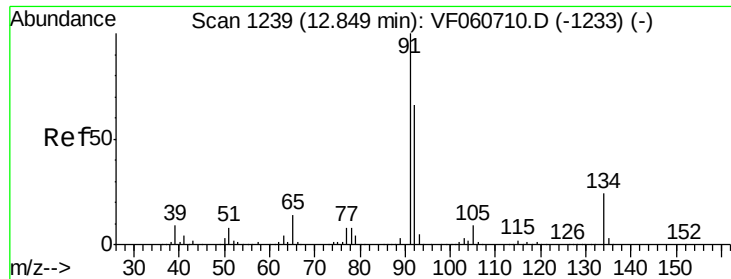
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.8
148	66.4	33.3	99.9



#88
 1,4-Dichlorobenzene
 Concen: 52.227 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.6	61.9
148	66.8	34.7	104.1

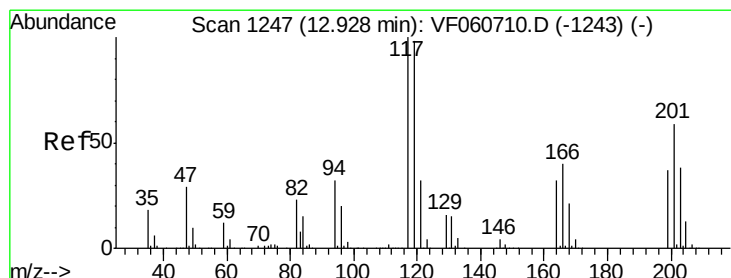
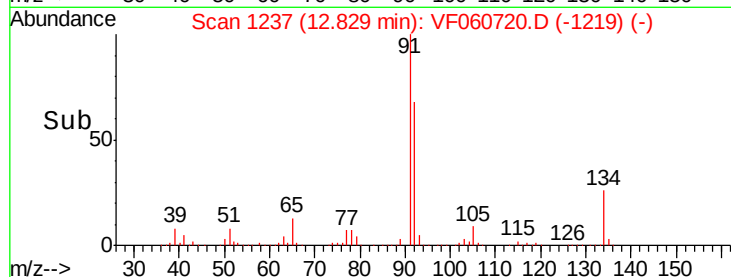
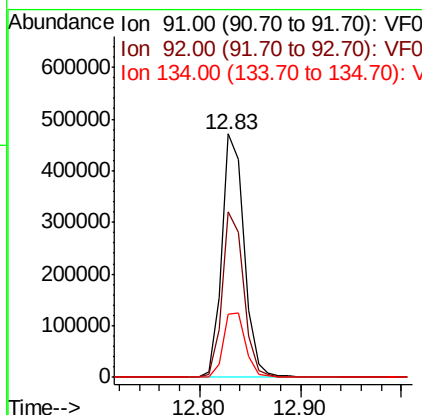
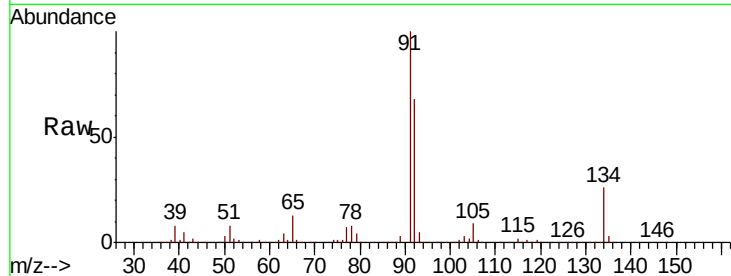




#89
n-Butylbenzene
Concen: 50.267 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

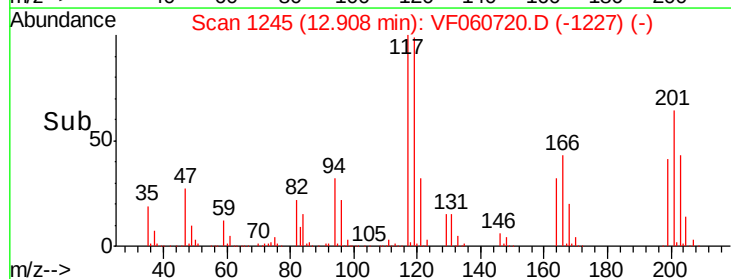
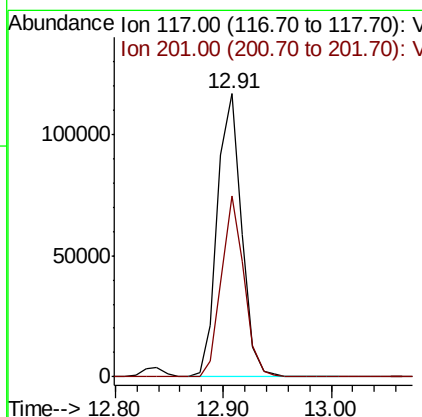
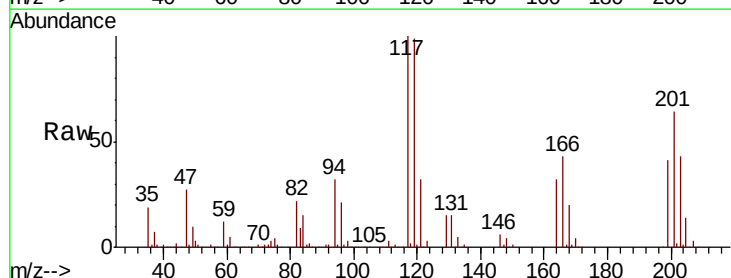
Instrument :
MSVOA_F
ClientSampled :
BFB

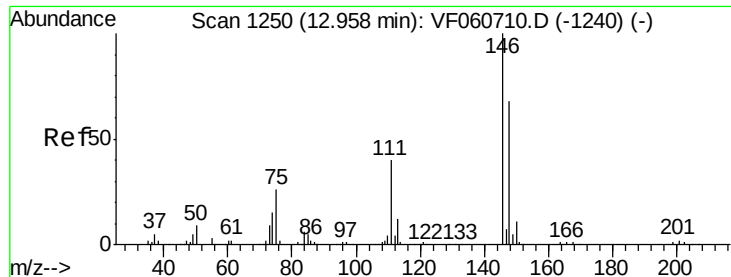
Tgt Ion: 91 Resp: 725878
Ion Ratio Lower Upper
91 100
92 67.9 33.1 99.2
134 25.7 11.9 35.9



#90
Hexachloroethane
Concen: 52.476 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Tgt Ion: 117 Resp: 181618
Ion Ratio Lower Upper
117 100
201 64.1 29.4 88.3

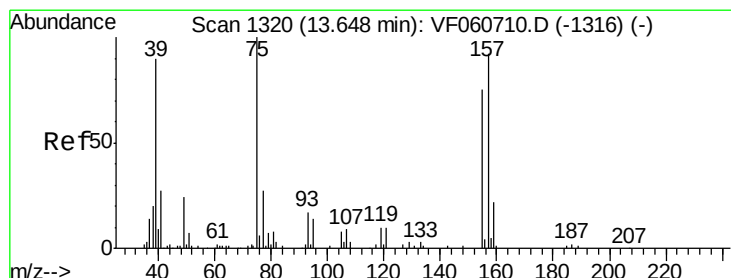
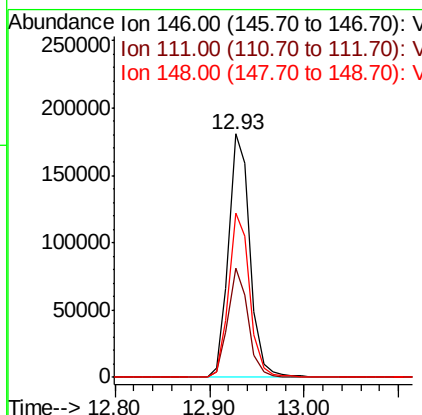
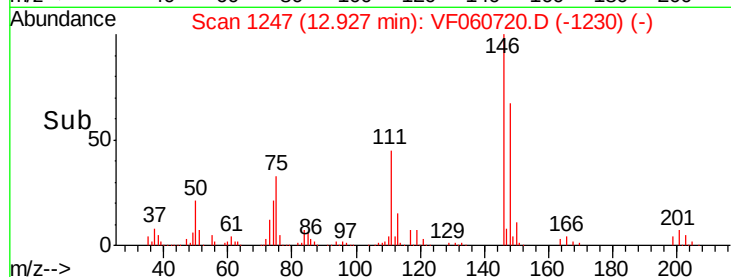
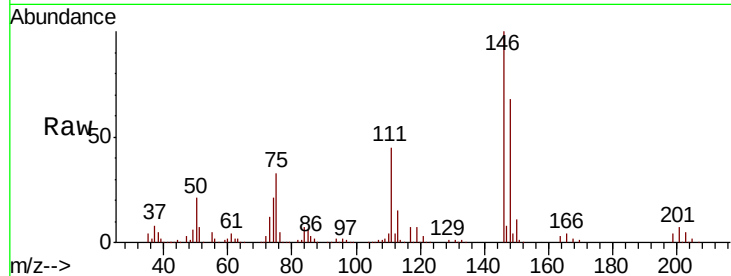




#91
 1,2-Dichlorobenzene
 Concen: 49.174 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.03 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

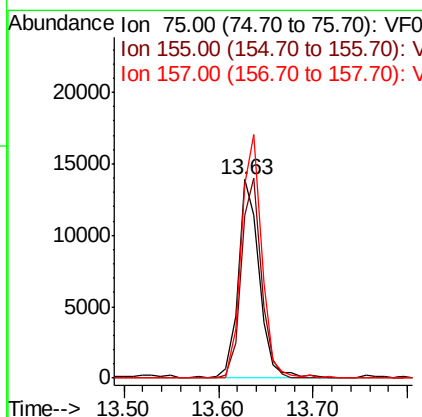
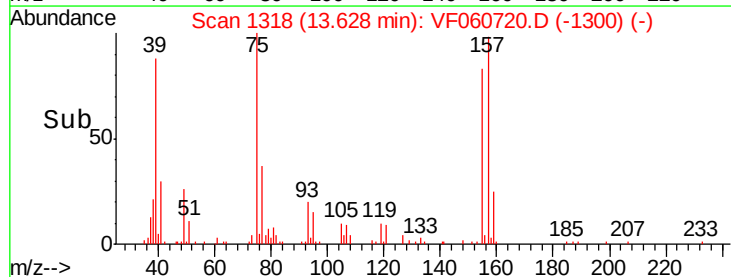
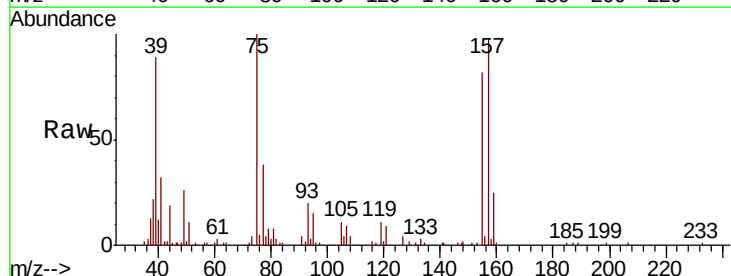
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

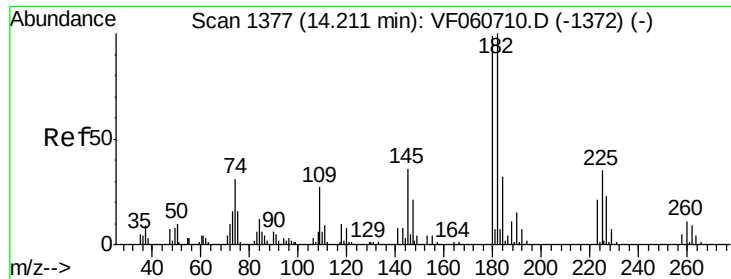
Tgt Ion: 146 Resp: 284172
 Ion Ratio Lower Upper
 146 100
 111 45.1 20.3 60.8
 148 67.6 34.1 102.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.956 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

Tgt Ion: 75 Resp: 21619
 Ion Ratio Lower Upper
 75 100
 155 81.9 37.4 112.2
 157 97.6 46.0 138.0

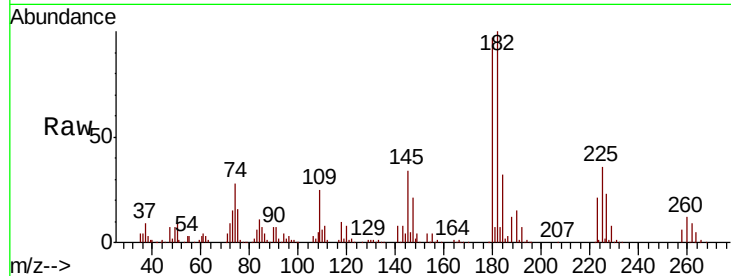




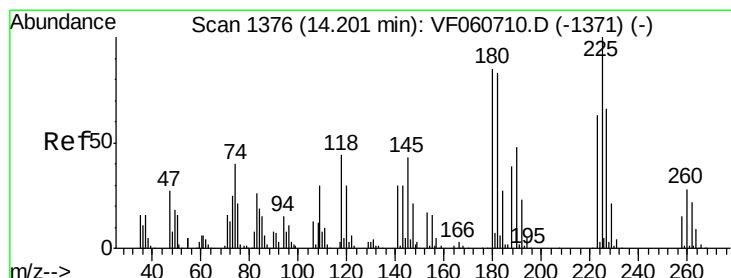
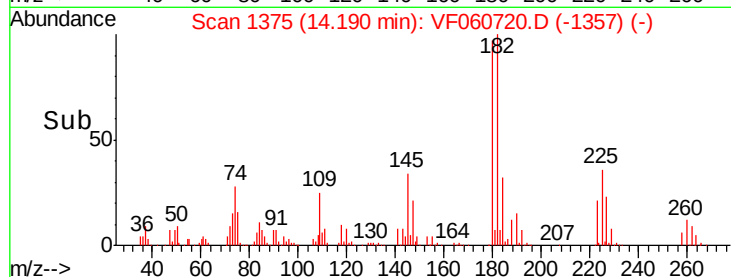
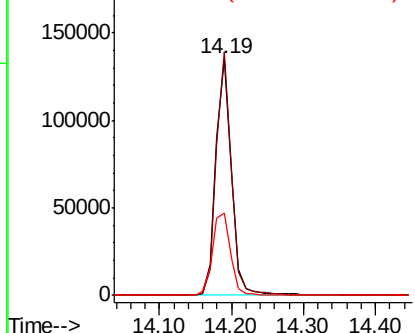
#93
 1,2,4-Trichlorobenzene
 Concen: 48.307 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 200649
 Ion Ratio Lower Upper
 180 100
 182 103.1 50.3 151.0
 145 34.8 18.3 54.9

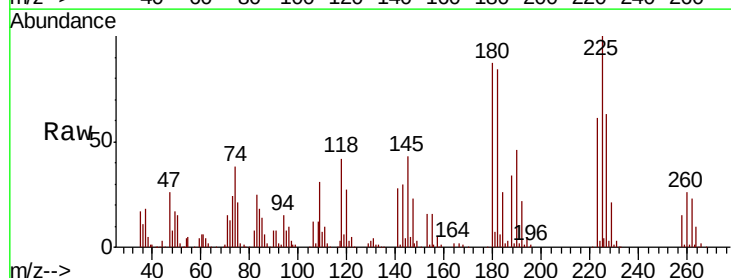


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

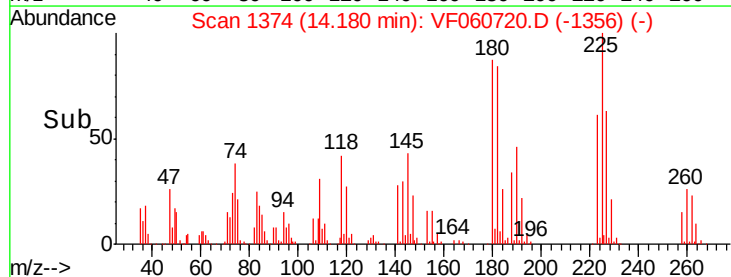
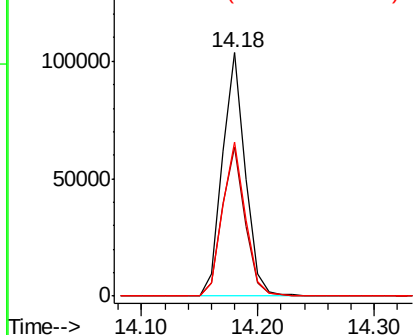


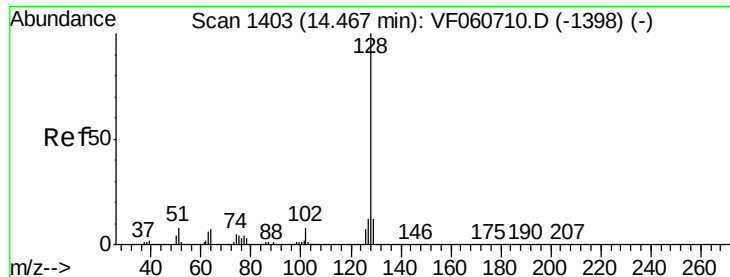
#94
 Hexachlorobutadiene
 Concen: 52.072 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF060720.D
 Acq: 14 Nov 2018 11:48

Tgt Ion:225 Resp: 141338
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.5 94.5
 227 63.3 33.0 99.0



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

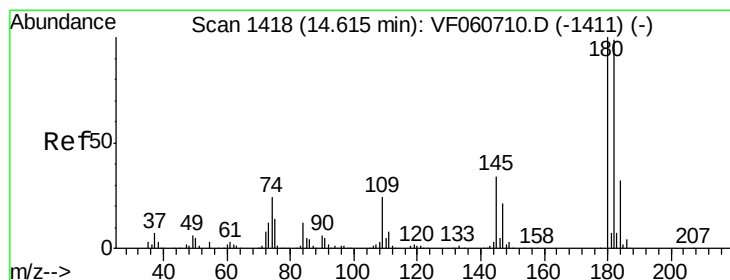
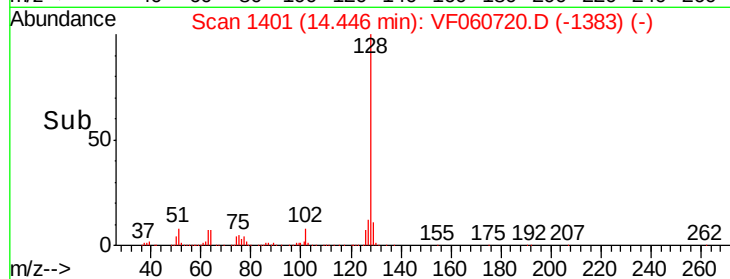
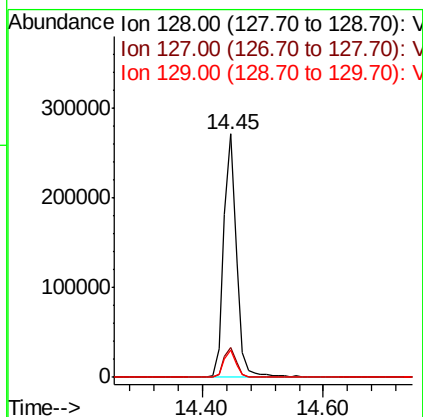
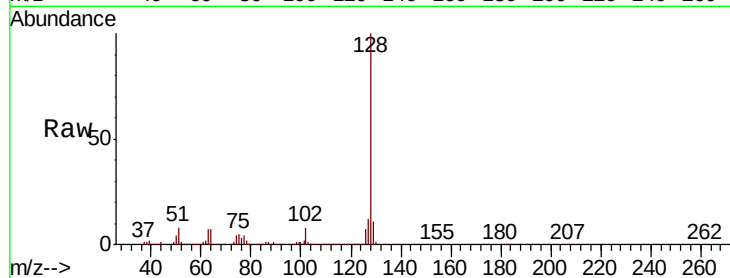




#95
Naphthalene
Concen: 52.371 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion:128 Resp: 396923
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.6
129 11.4 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 50.442 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF060720.D
Acq: 14 Nov 2018 11:48

Tgt Ion:180 Resp: 193606
Ion Ratio Lower Upper
180 100
182 98.8 49.6 149.0
145 32.5 16.9 50.7

