

Data File : VF060713.D
Acq On : 13 Nov 2018 14:53
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
BFB

Quant Time: Nov 14 03:20:12 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	4.87	168	246334	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	402901	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	373393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	207755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	127691	45.45	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	90.90%	
35) Dibromofluoromethane	4.11	113	145806	48.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	7.57	98	433179	56.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.38%	
62) 4-Bromofluorobenzene	11.42	95	190566	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	194405	44.098	ug/l	99
3) Chloromethane	1.09	50	127522	46.642	ug/l	97
4) Vinyl Chloride	1.13	62	112753	46.101	ug/l	99
5) Bromomethane	1.32	94	70971	45.682	ug/l #	79
6) Chloroethane	1.36	64	49517	51.747	ug/l	97
7) Trichlorofluoromethane	1.48	101	246752	45.624	ug/l	96
8) Diethyl Ether	1.63	74	32124	46.358	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.81	101	121190	47.550	ug/l	95
10) Methyl Iodide	1.88	142	188445	46.083	ug/l	96
11) Tert butyl alcohol	2.56	59	31004	242.459	ug/l	97
12) 1,1-Dichloroethene	1.77	96	98405	48.965	ug/l	93
13) Acrolein	2.00	56	25629	219.200	ug/l	98
14) Allyl chloride	2.09	41	164557	46.740	ug/l	91
15) Acrylonitrile	2.94	53	65808	241.515	ug/l	98
16) Acetone	2.23	43	145440	242.174	ug/l	100
17) Carbon Disulfide	1.81	76	292539	48.162	ug/l	95
18) Methyl Acetate	2.34	43	45134	45.768	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	233615	48.455	ug/l	99
20) Methylene Chloride	2.18	84	42276	19.432	ug/l	94
21) trans-1,2-Dichloroethene	2.31	96	94784	45.142	ug/l	92
22) Diisopropyl ether	2.80	45	329681	48.502	ug/l	98
23) Vinyl Acetate	3.19	43	831535	259.789	ug/l	100
24) 1,1-Dichloroethane	2.87	63	203334	49.411	ug/l	99
25) 2-Butanone	4.33	43	246352	249.390	ug/l	100
26) 2,2-Dichloropropane	3.60	77	147882	45.666	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	169993	47.593	ug/l	100
28) Bromochloromethane	3.72	49	105996	49.562	ug/l	92
29) Tetrahydrofuran	4.07	42	96059	235.751	ug/l	95
30) Chloroform	3.86	83	295895	44.815	ug/l	100
31) Cyclohexane	3.69	56	247176	49.489	ug/l	93
32) 1,1,1-Trichloroethane	4.09	97	228282	43.905	ug/l	97
36) 1,1-Dichloropropene	4.28	75	233007	49.866	ug/l	98
37) Ethyl Acetate	4.11	43	84647	48.726	ug/l #	80
38) Carbon Tetrachloride	3.99	117	256699	56.617	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	262642	48.449	ug/l	99
40) Benzene	4.64	78	518945	49.822	ug/l	100
41) Methacrylonitrile	4.74	41	50945	55.478	ug/l #	90
42) 1,2-Dichloroethane	4.94	62	168715	46.872	ug/l	100
43) Isopropyl Acetate	6.96	43	122527	53.196	ug/l	94
44) Trichloroethene	5.51	130	159130	48.422	ug/l	88
45) 1,2-Dichloropropane	6.24	63	137206	50.621	ug/l	96
46) Dibromomethane	6.10	93	88626	49.534	ug/l	93
47) Bromodichloromethane	6.39	83	223523	48.923	ug/l	99
48) Methyl methacrylate	6.72	41	78953	51.794	ug/l	100
49) 1,4-Dioxane	6.72	88	15020	1053.550	ug/l #	78
51) 4-Methyl-2-Pentanone	8.27	43	418692	251.335	ug/l	97
52) Toluene	7.63	92	334032	47.855	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	176606	48.260	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	232200	48.849	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	95812	48.042	ug/l	95
56) Ethyl methacrylate	8.63	69	116449	51.413	ug/l	98
57) 1,3-Dichloropropane	8.86	76	171641	49.660	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	48908	236.382	ug/l	100
59) 2-Hexanone	9.50	43	326793	279.138	ug/l	99
60) Dibromochloromethane	8.72	129	136718	48.101	ug/l	97
61) 1,2-Dibromoethane	9.00	107	105496	50.298	ug/l	98
64) Tetrachloroethene	8.16	164	138694	46.906	ug/l	98
65) Chlorobenzene	9.80	112	358081	47.524	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	149913	45.616	ug/l	98
67) Ethyl Benzene	9.91	91	653723	46.028	ug/l	99
68) m/p-Xylenes	10.14	106	477967	94.169	ug/l	100
69) o-Xylene	10.72	106	276448	48.445	ug/l	94
70) Styrene	10.80	104	368689	47.607	ug/l	100
71) Bromoform	10.78	173	71204	48.181	ug/l	99
73) Isopropylbenzene	11.14	105	777472	46.492	ug/l	100
74) N-amyl acetate	11.38	43	207043	54.386	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.71	83	133505	48.288	ug/l	98
76) 1,2,3-Trichloropropane	11.81	75	91667	44.643	ug/l	96
77) Bromobenzene	11.50	156	166890	47.944	ug/l	93
78) n-propylbenzene	11.60	91	870723	44.644	ug/l	98
79) 2-Chlorotoluene	11.73	91	516000	45.520	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	609842	45.934	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.88	75	61072	60.540	ug/l	95
82) 4-Chlorotoluene	11.91	91	525608	45.261	ug/l	100
83) tert-Butylbenzene	12.14	119	632794	44.890	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	600858	43.760	ug/l	95
85) sec-Butylbenzene	12.31	105	859244	44.934	ug/l	97
86) p-Isopropyltoluene	12.47	119	702138	43.964	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	308823	44.581	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	309693	46.516	ug/l	96
89) n-Butylbenzene	12.85	91	712694	43.728	ug/l	96
90) Hexachloroethane	12.92	117	180061	46.095	ug/l	92
91) 1,2-Dichlorobenzene	12.95	146	289947	44.454	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	23503	45.229	ug/l	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111318\
Quantitation Report (Not Reviewed)

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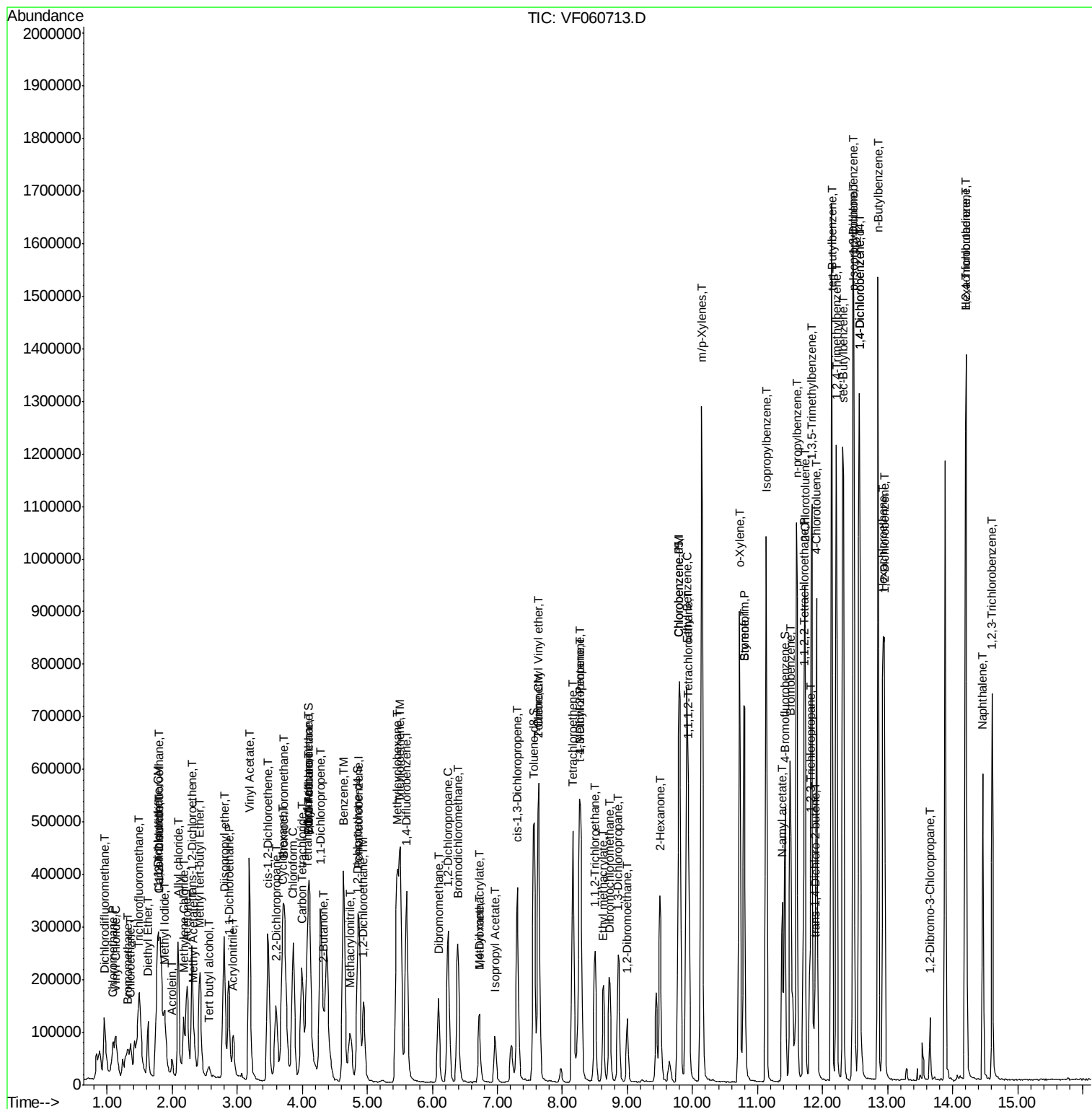
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	206213	43.987	ug/l	95
94) Hexachlorobutadiene	14.19	225	137431	44.861	ug/l	98
95) Naphthalene	14.46	128	421996	49.332	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	196564	45.375	ug/l	97

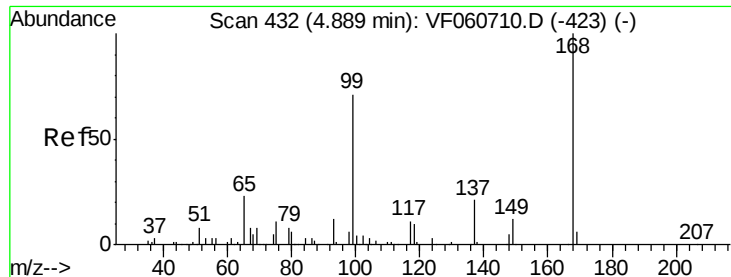
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

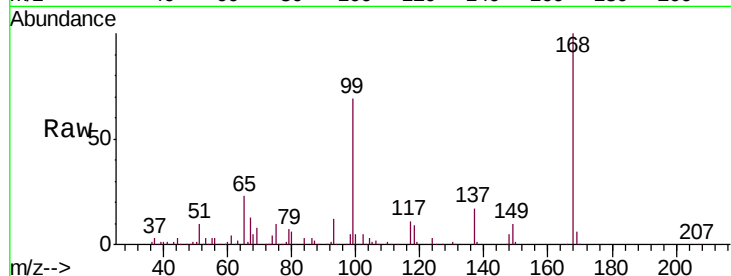
BFB

Tgt Ion:168 Resp: 246334

Ion Ratio Lower Upper

168 100

99 68.6 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

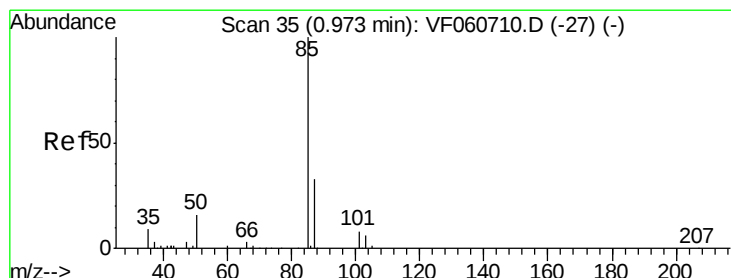
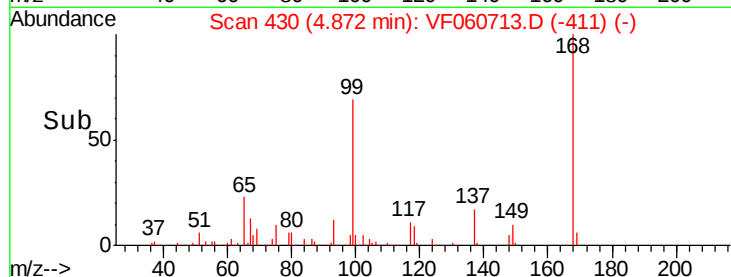
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 44.098 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060713.D

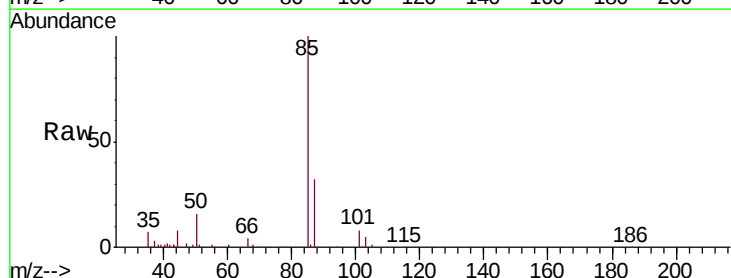
Acq: 13 Nov 2018 14:53

Tgt Ion: 85 Resp: 194405

Ion Ratio Lower Upper

85 100

87 32.0 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

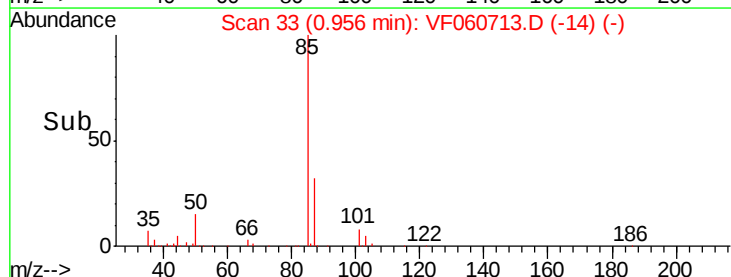
40000

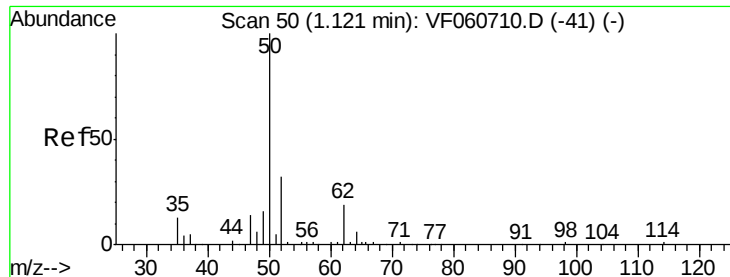
20000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 46.642 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.03 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

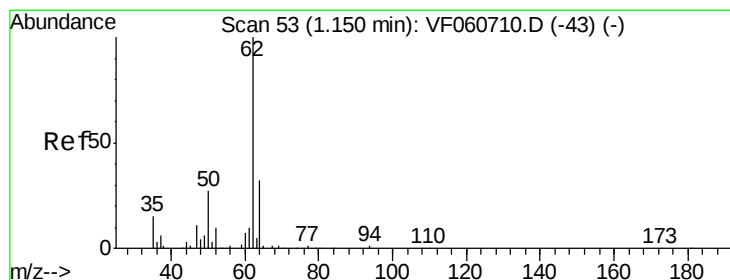
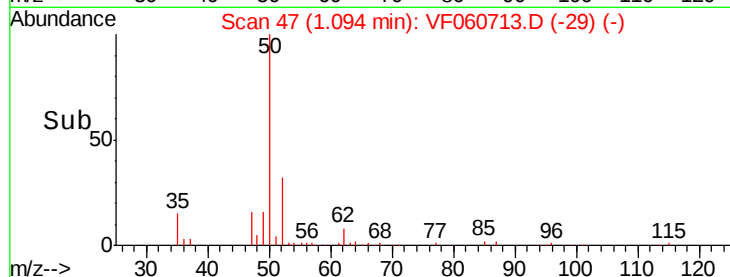
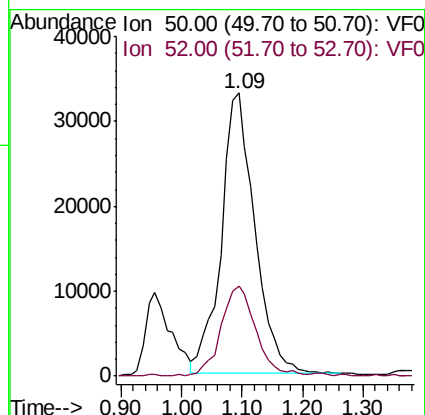
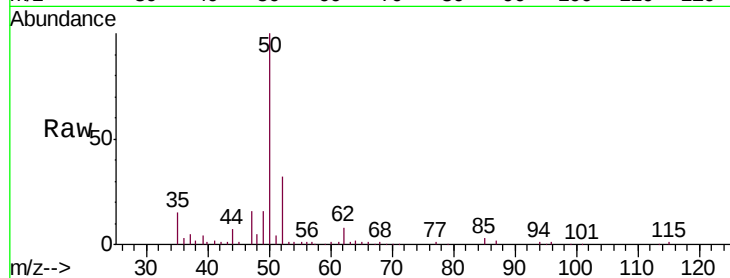
BFB

Tgt Ion: 50 Resp: 127522

Ion Ratio Lower Upper

50 100

52 32.0 24.2 36.2



#4

Vinyl Chloride

Concen: 46.101 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF060713.D

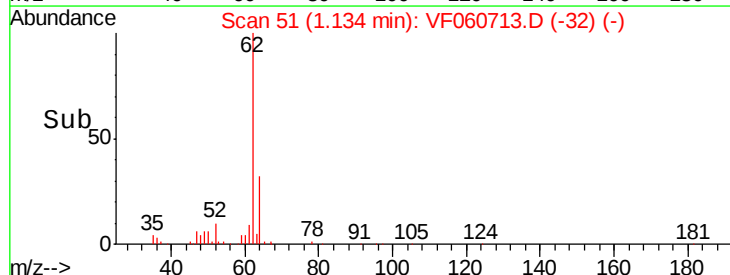
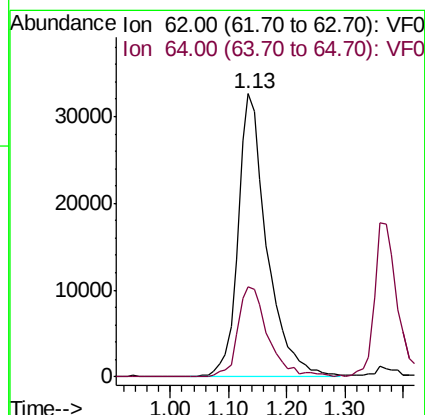
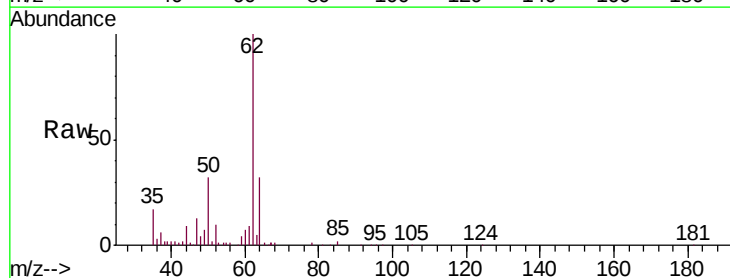
Acq: 13 Nov 2018 14:53

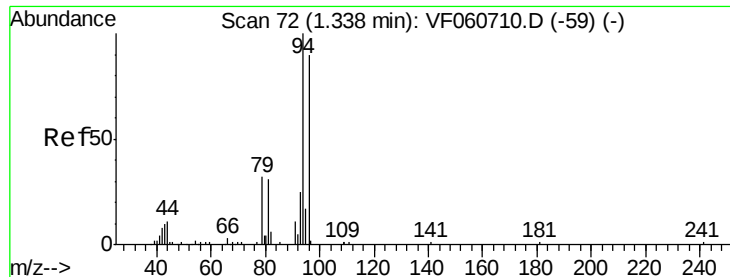
Tgt Ion: 62 Resp: 112753

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8





#5

Bromomethane

Concen: 45.682 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

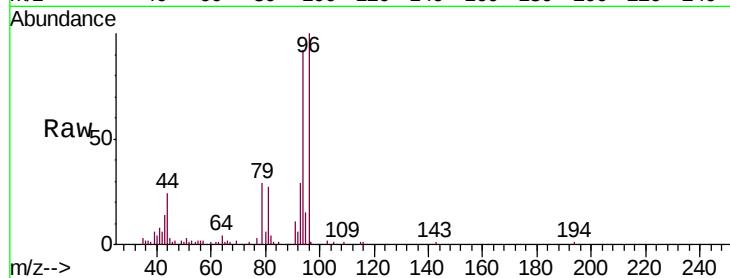
BFB

Tgt Ion: 94 Resp: 70971

Ion Ratio Lower Upper

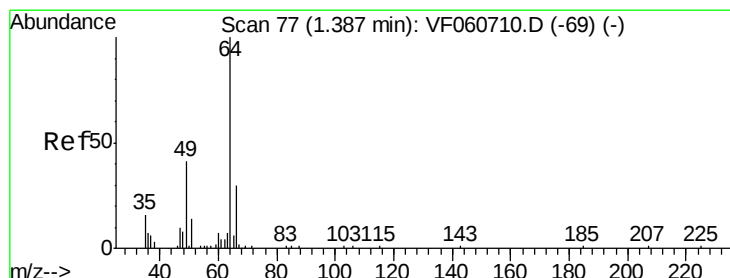
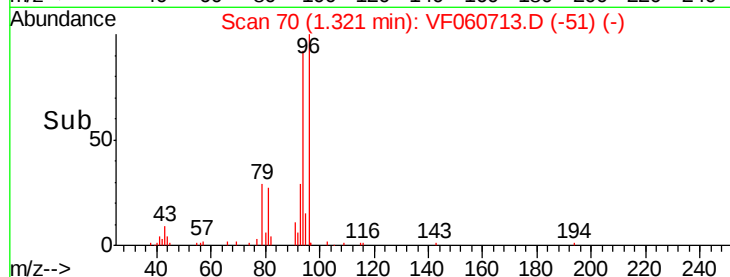
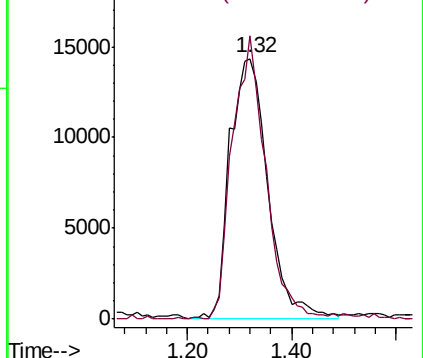
94 100

96 109.8 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: 51.747 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.03 min

Lab File: VF060713.D

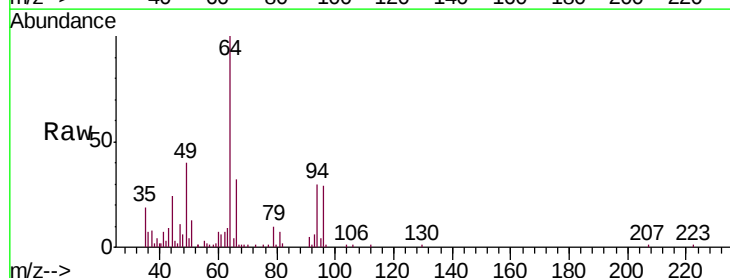
Acq: 13 Nov 2018 14:53

Tgt Ion: 64 Resp: 49517

Ion Ratio Lower Upper

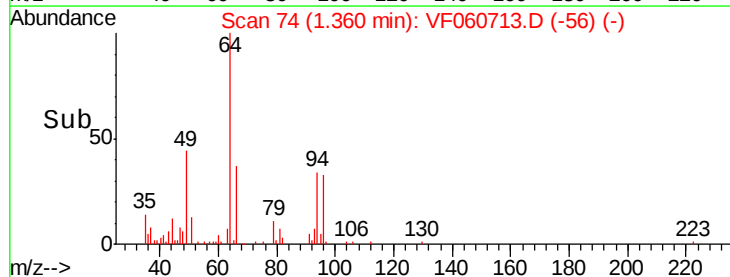
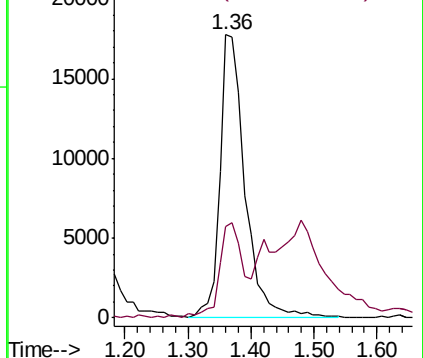
64 100

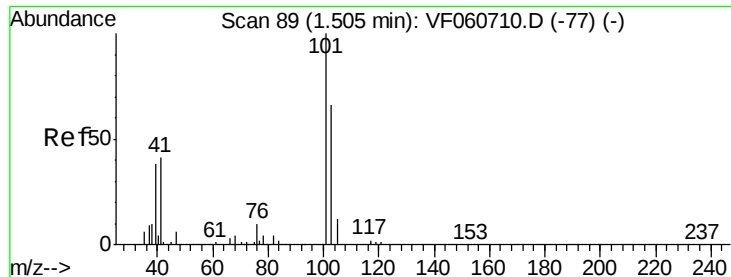
66 32.5 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 45.624 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.03 min

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ClientSampled :

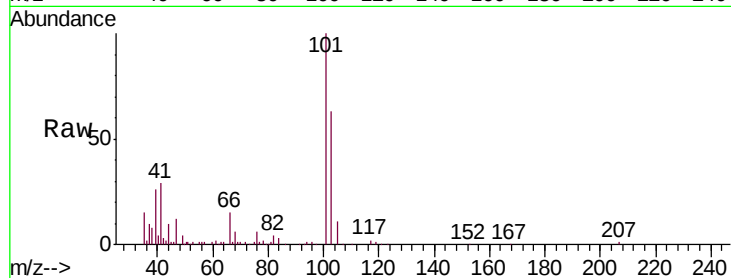
BFB

Tgt Ion:101 Resp: 246752

Ion Ratio Lower Upper

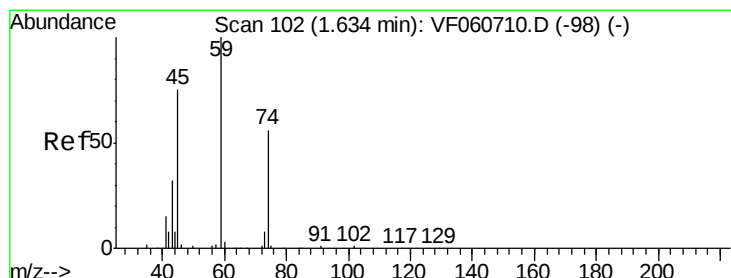
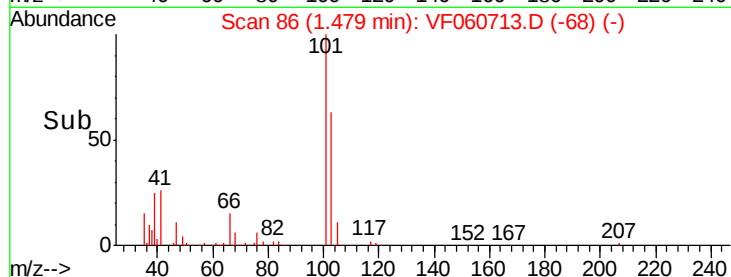
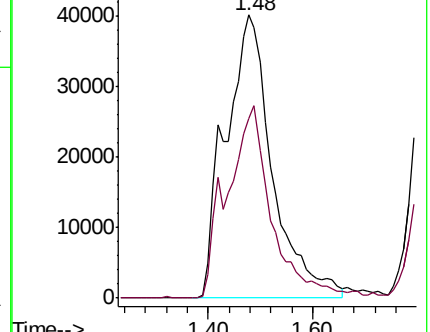
101 100

103 63.5 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: 46.358 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF060713.D

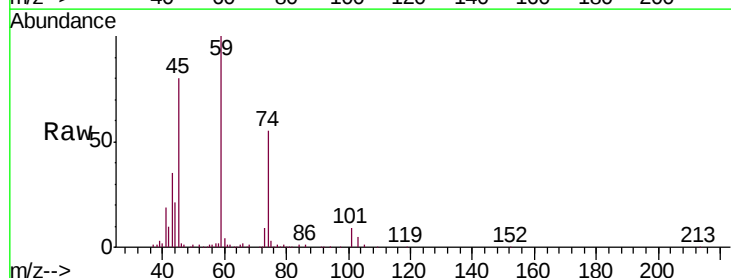
Acq: 13 Nov 2018 14:53

Tgt Ion: 74 Resp: 32124

Ion Ratio Lower Upper

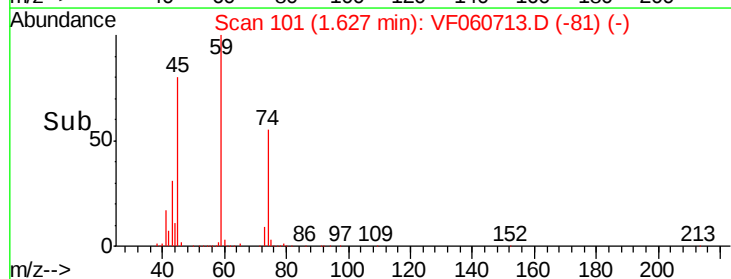
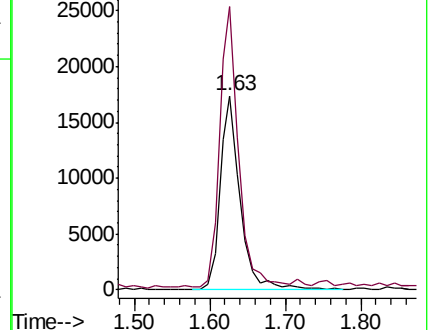
74 100

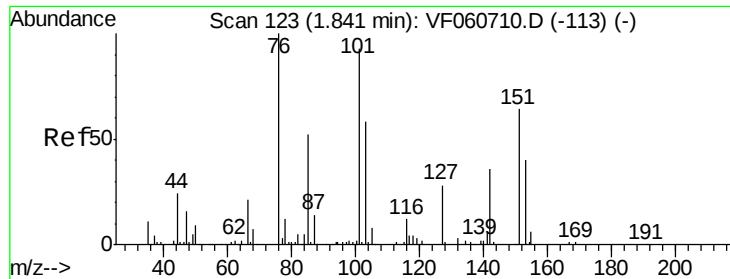
45 146.1 67.7 203.1



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: 47.550 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.03 min

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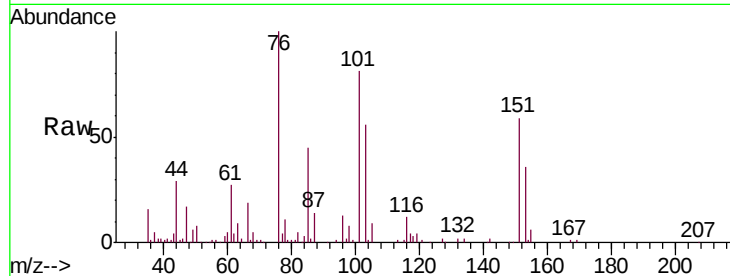
Tgt Ion:101 Resp: 121190

Ion Ratio Lower Upper

101 100

85 55.7 43.6 65.4

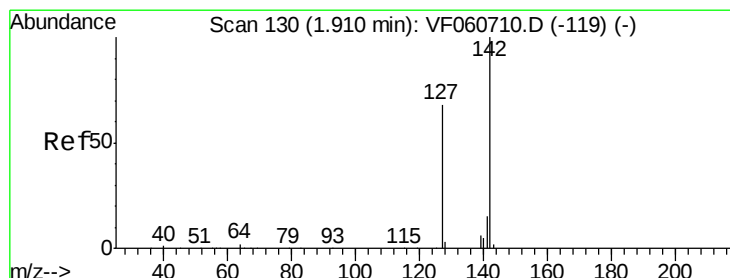
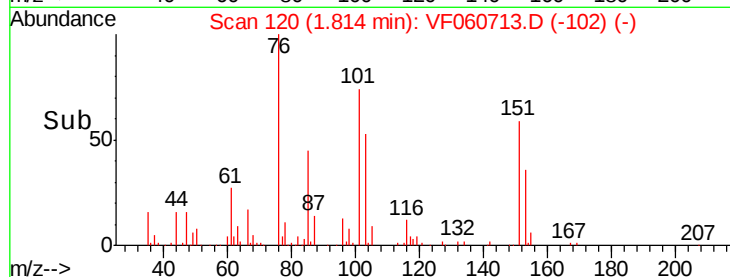
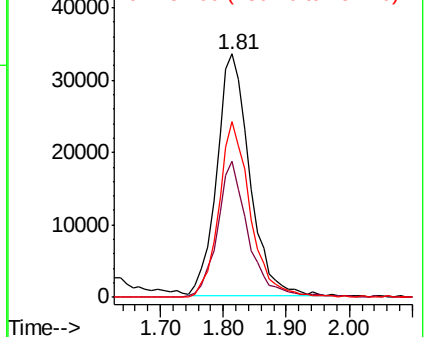
151 72.4 53.1 79.7



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: 46.083 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.03 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

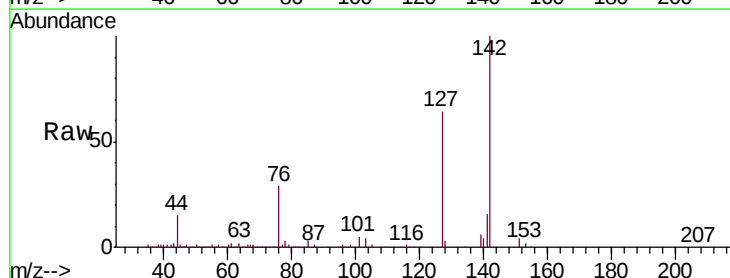
Tgt Ion:142 Resp: 188445

Ion Ratio Lower Upper

142 100

127 64.1 54.0 81.0

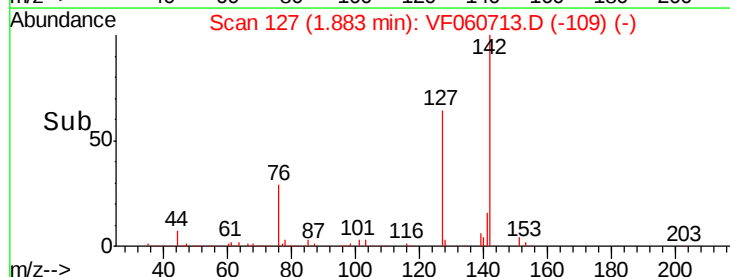
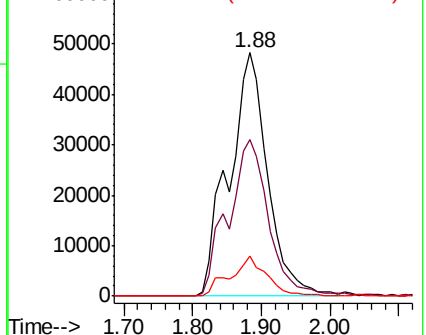
141 16.3 12.3 18.5

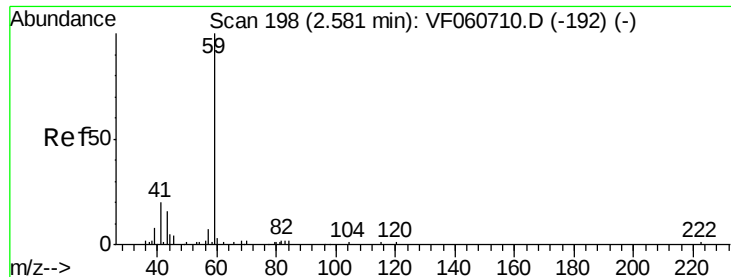


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

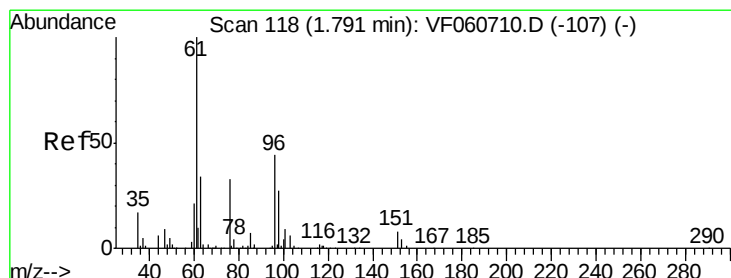
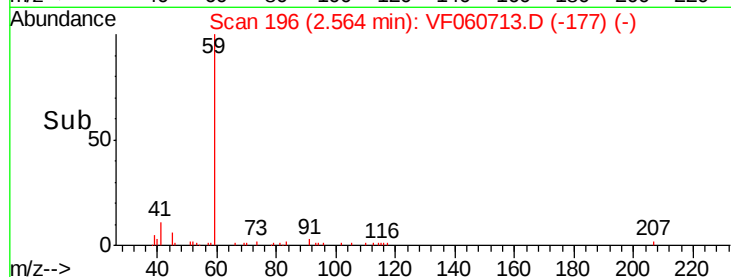
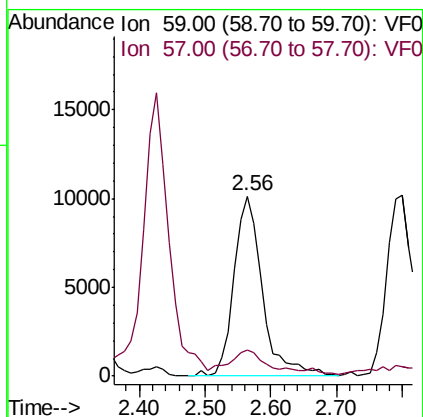
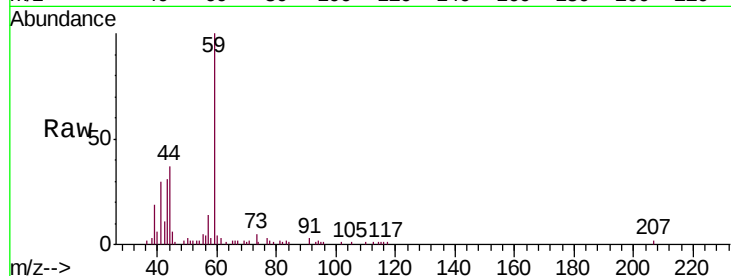




#11
Tert butyl alcohol
Concen: 242.459 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

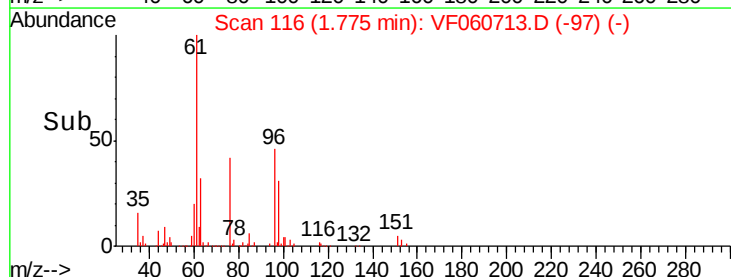
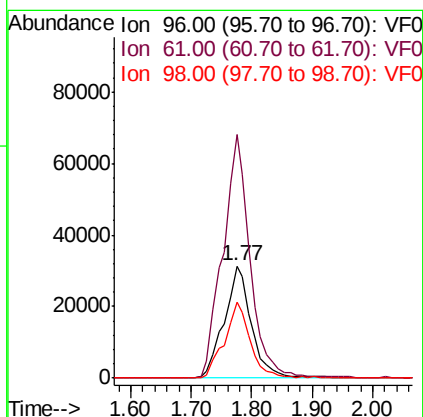
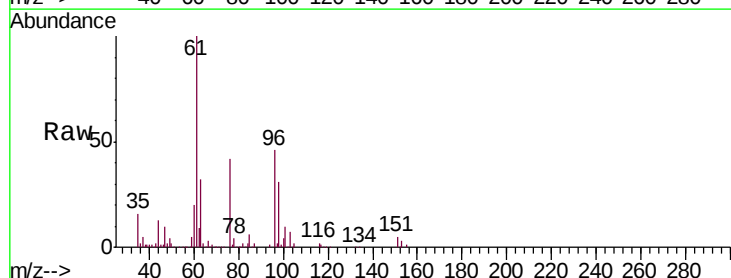
Instrument :
MSVOA_F
ClientSampleId :
BFB

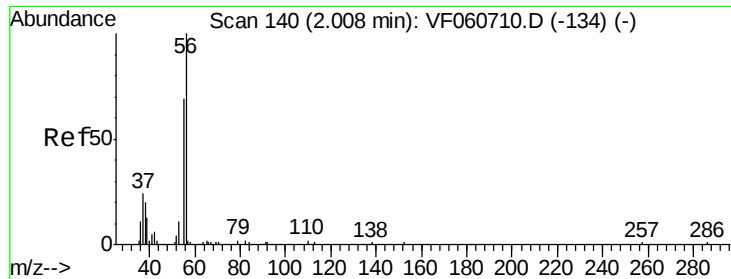
Tgt Ion: 59 Resp: 31004
Ion Ratio Lower Upper
59 100
57 14.3 10.5 15.7



#12
1,1-Dichloroethene
Concen: 48.965 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.02 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Tgt Ion: 96 Resp: 98405
Ion Ratio Lower Upper
96 100
61 217.3 182.2 273.2
98 67.5 49.2 73.8





#13

Acrolein

Concen: 219.200 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

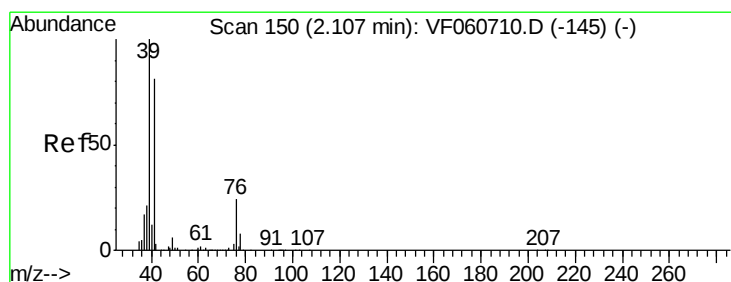
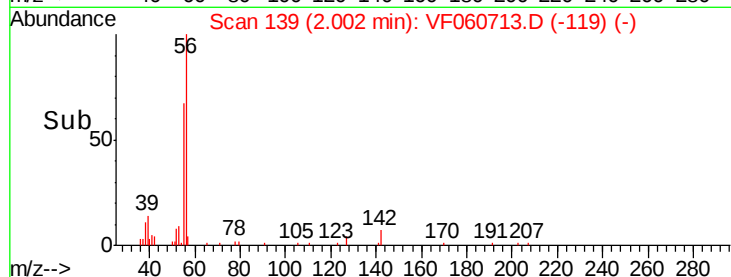
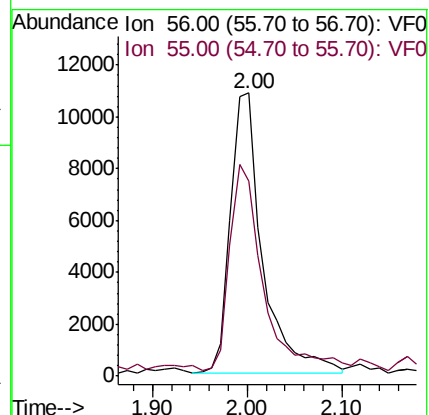
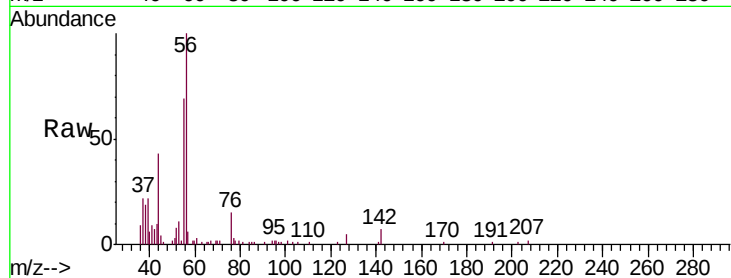
BFB

Tgt Ion: 56 Resp: 25629

Ion Ratio Lower Upper

56 100

55 68.8 56.6 85.0



#14

Allyl chloride

Concen: 46.740 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

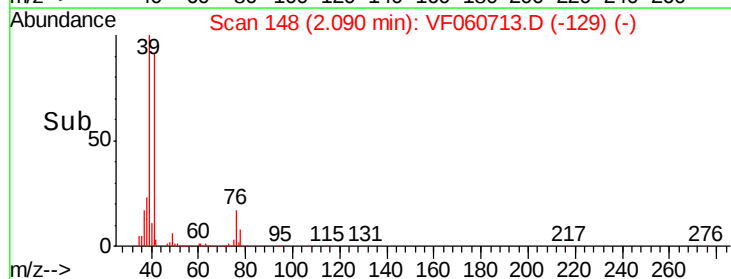
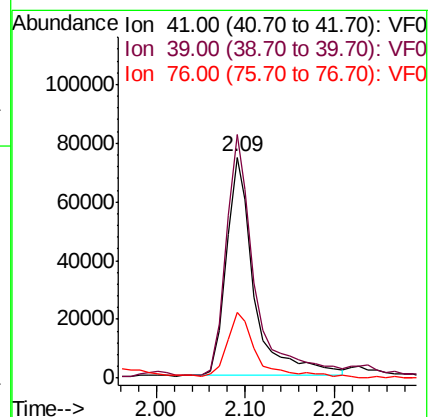
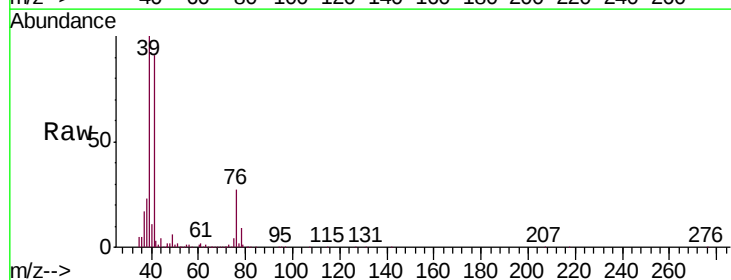
Tgt Ion: 41 Resp: 164557

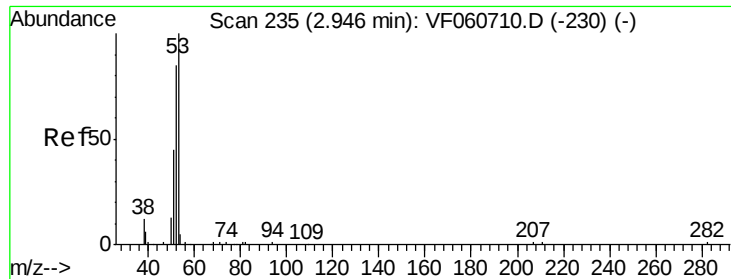
Ion Ratio Lower Upper

41 100

39 110.2 98.5 147.7

76 29.9 24.5 36.7





#15

Acrylonitrile

Concen: 241.515 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

BFB

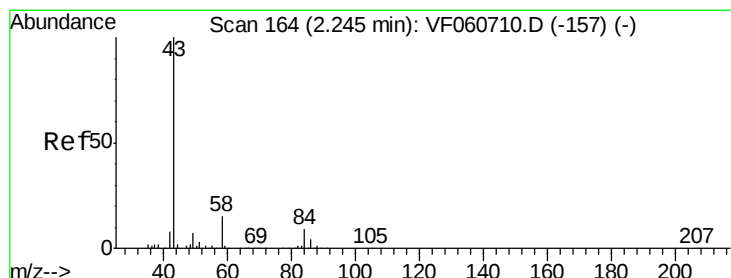
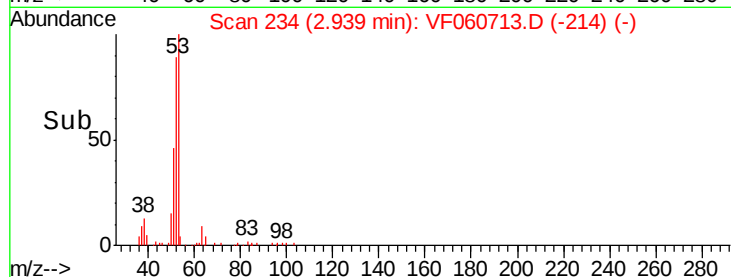
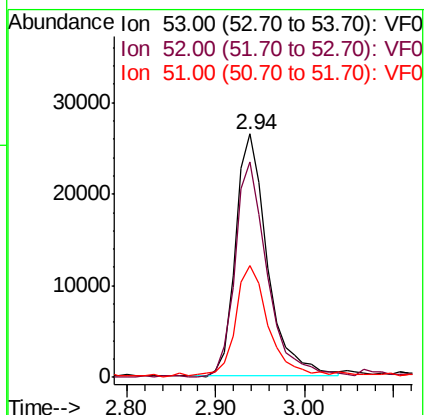
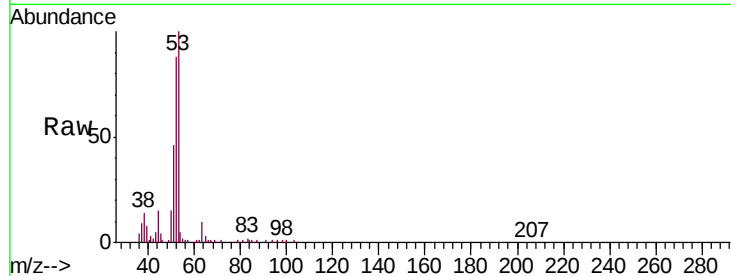
Tgt Ion: 53 Resp: 65808

Ion Ratio Lower Upper

53 100

52 88.2 68.8 103.2

51 45.7 36.7 55.1



#16

Acetone

Concen: 242.174 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF060713.D

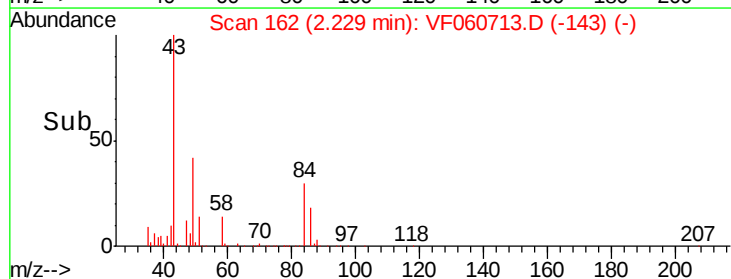
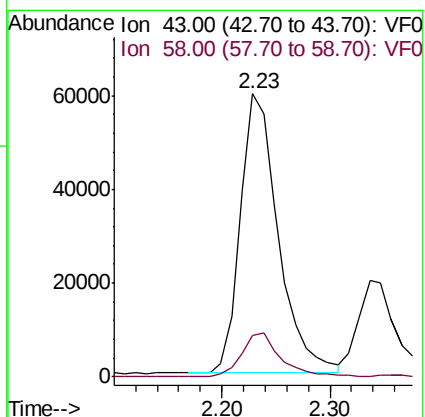
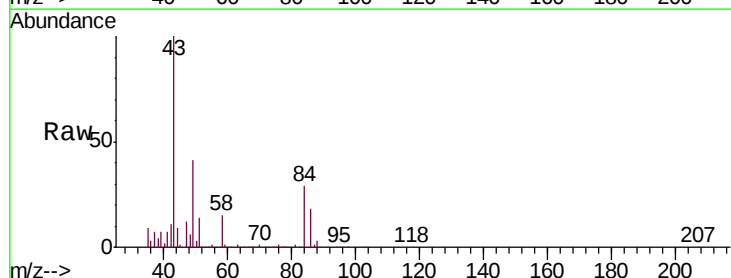
Acq: 13 Nov 2018 14:53

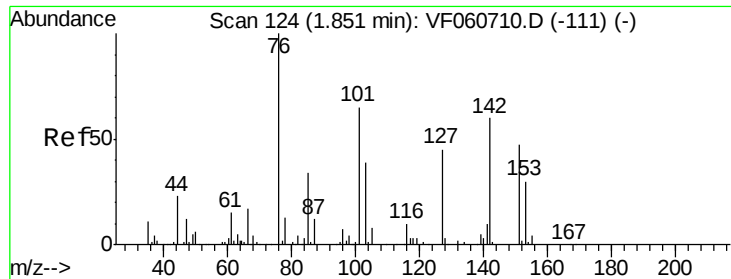
Tgt Ion: 43 Resp: 145440

Ion Ratio Lower Upper

43 100

58 14.6 11.6 17.4

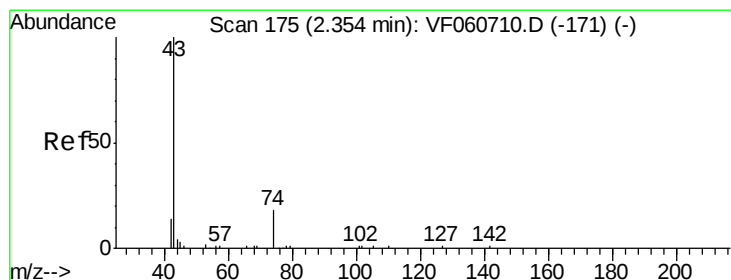
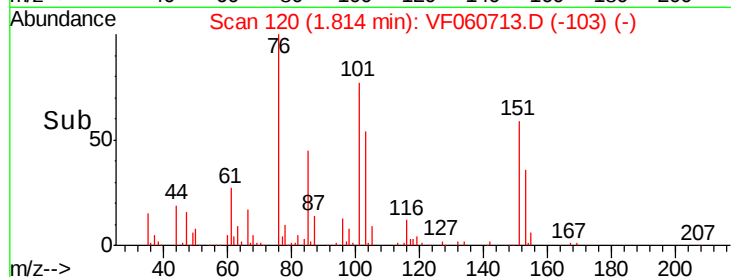
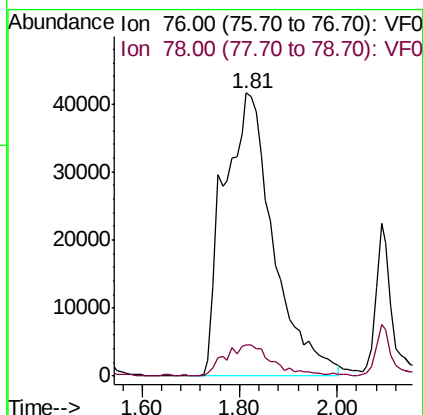
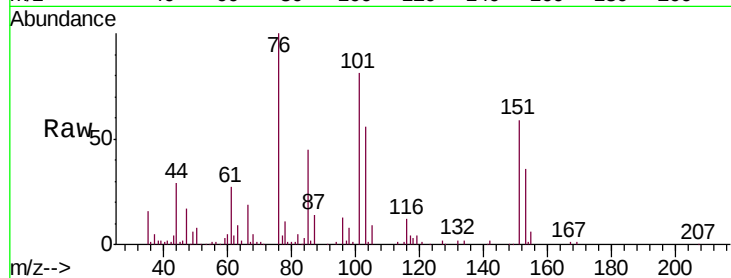




#17
Carbon Disulfide
Concen: 48.162 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.04 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

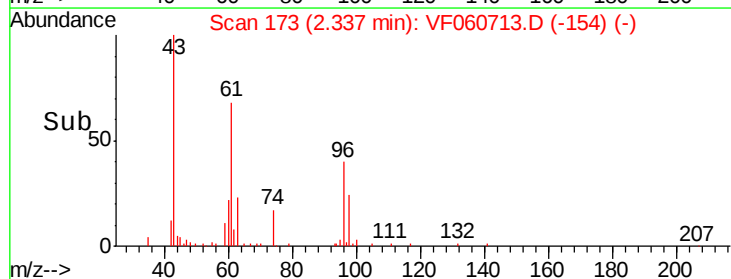
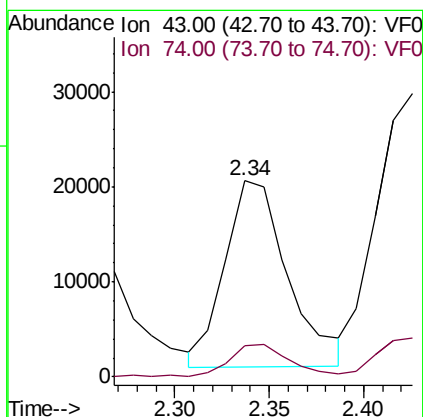
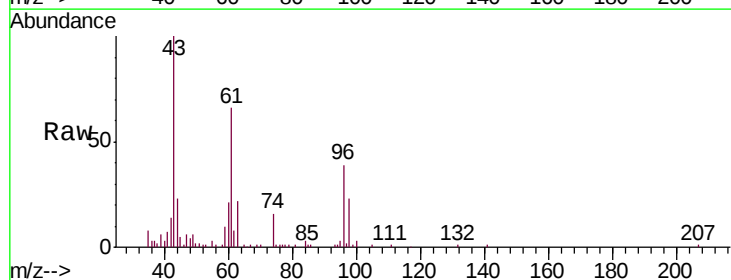
Instrument :
MSVOA_F
ClientSampleId :
BFB

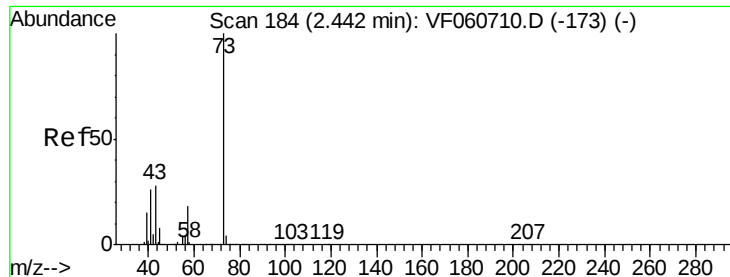
Tgt Ion: 76 Resp: 292539
Ion Ratio Lower Upper
76 100
78 11.2 10.5 15.7



#18
Methyl Acetate
Concen: 45.768 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Tgt Ion: 43 Resp: 45134
Ion Ratio Lower Upper
43 100
74 16.0 11.8 17.8



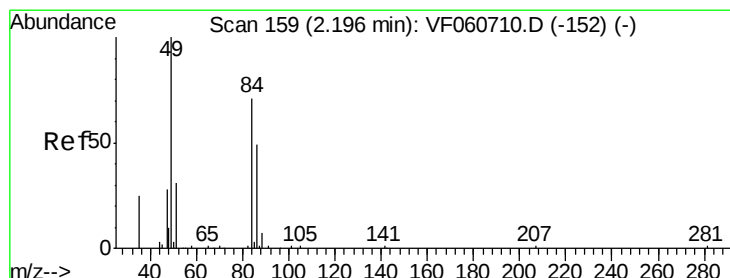
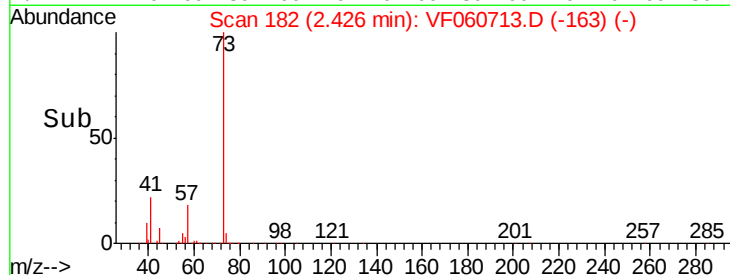
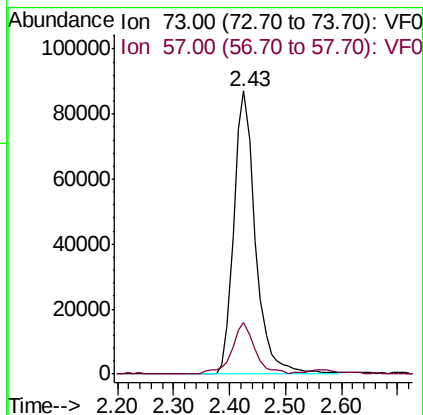
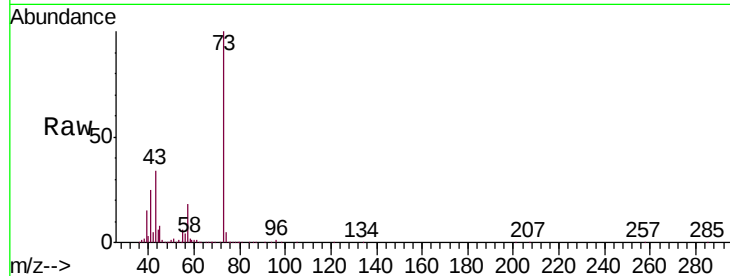


#19

Methyl tert-butyl Ether
 Concen: 48.455 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. -0.02 min
 Lab File: VF060713.D
 Acq: 13 Nov 2018 14:53

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

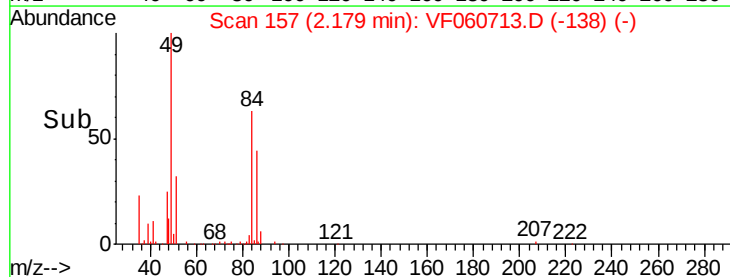
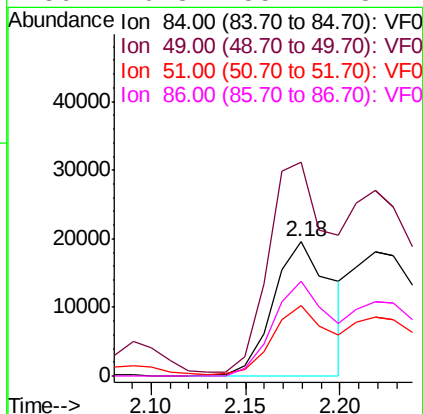
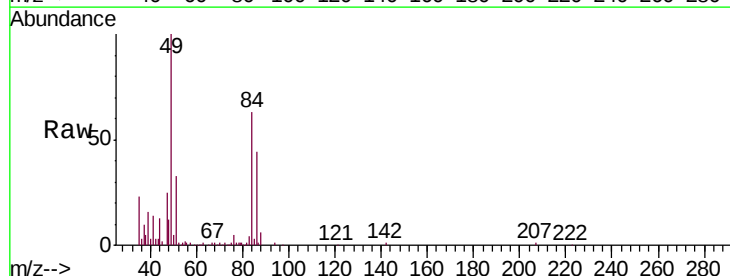
Tgt Ion: 73 Resp: 233615
 Ion Ratio Lower Upper
 73 100
 57 18.3 14.3 21.5

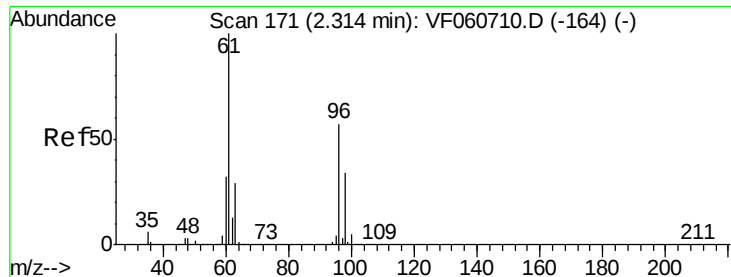


#20

Methylene Chloride
 Concen: 19.432 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.02 min
 Lab File: VF060713.D
 Acq: 13 Nov 2018 14:53

Tgt Ion: 84 Resp: 42276
 Ion Ratio Lower Upper
 84 100
 49 159.2 120.2 180.4
 51 52.4 37.2 55.8
 86 70.3 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 45.142 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

BFB

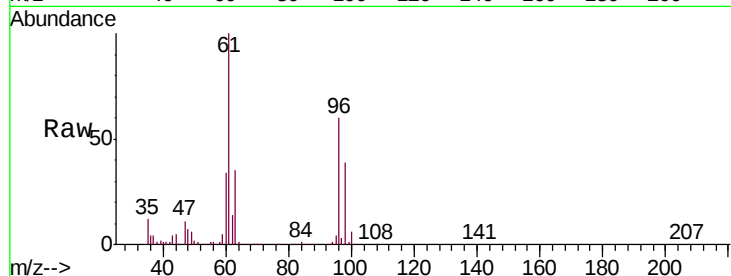
Tgt Ion: 96 Resp: 94784

Ion Ratio Lower Upper

96 100

61 166.3 141.6 212.4

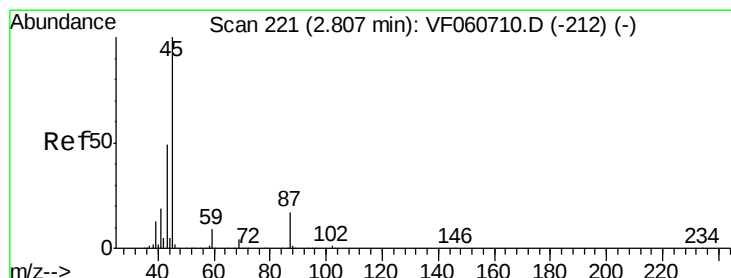
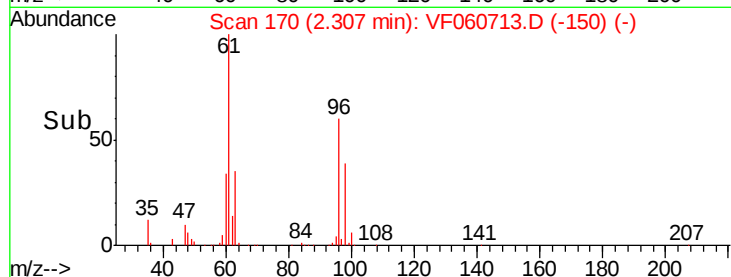
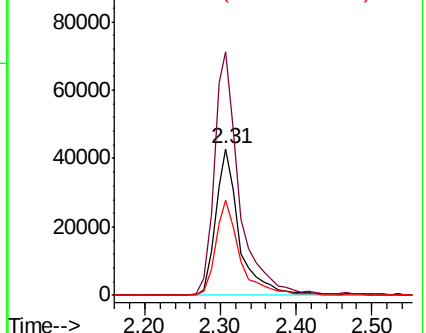
98 64.8 47.4 71.0



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



#22

Diisopropyl ether

Concen: 48.502 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Tgt Ion: 45 Resp: 329681

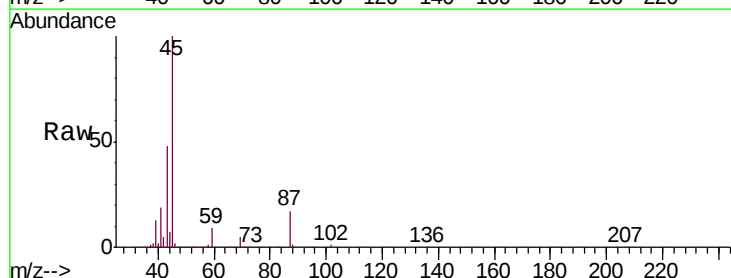
Ion Ratio Lower Upper

45 100

43 47.5 39.9 59.9

87 17.4 13.9 20.9

59 8.6 7.1 10.7

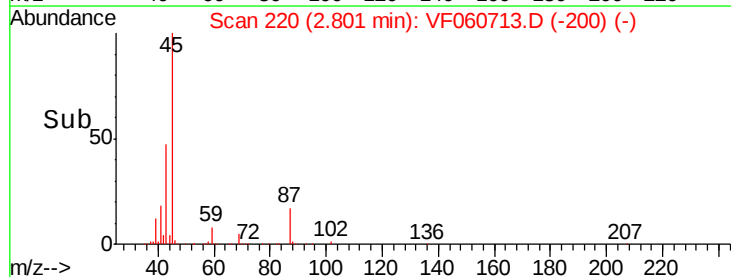
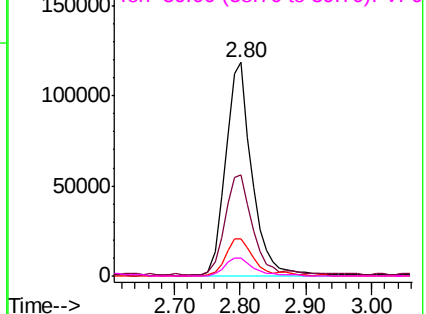


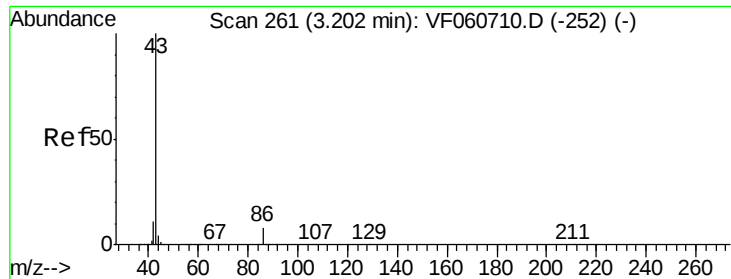
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 259.789 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

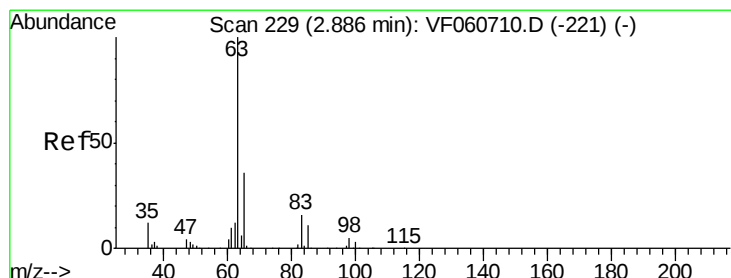
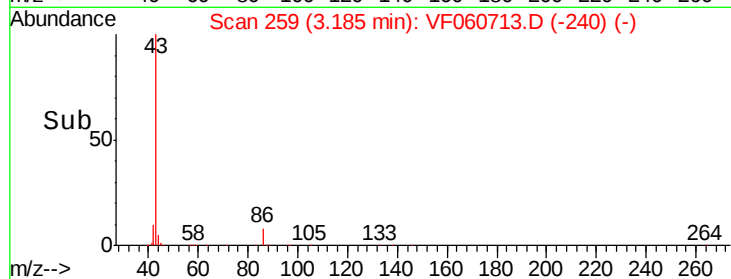
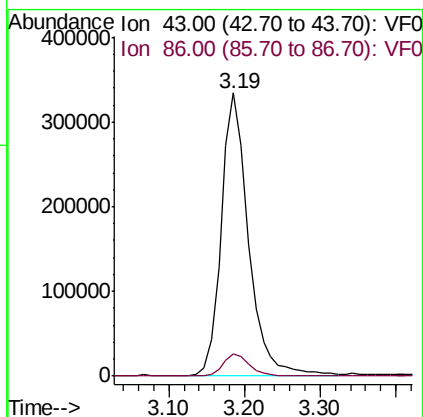
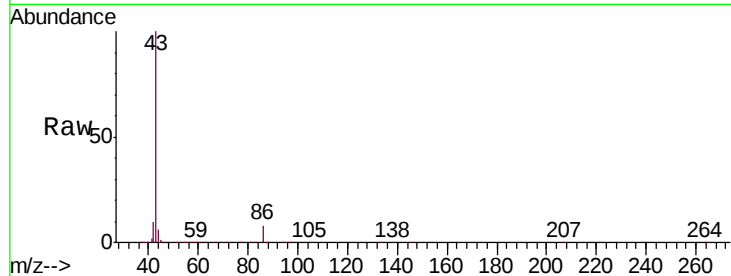
BFB

Tgt Ion: 43 Resp: 831535

Ion Ratio Lower Upper

43 100

86 8.0 6.4 9.6



#24

1,1-Dichloroethane

Concen: 49.411 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

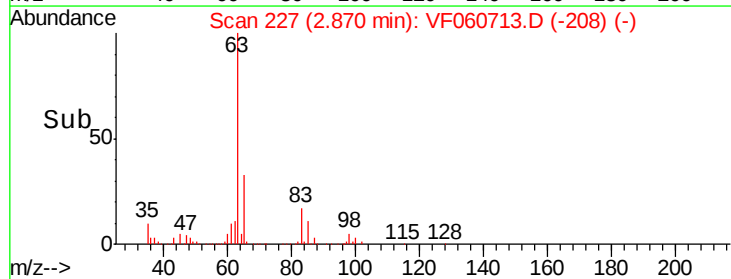
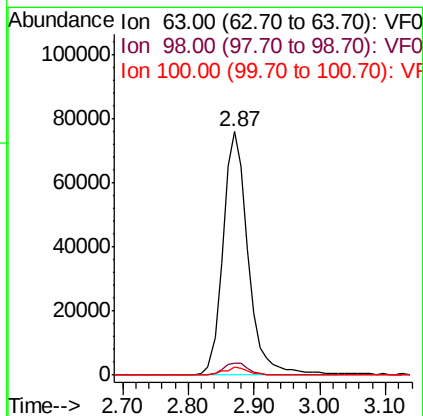
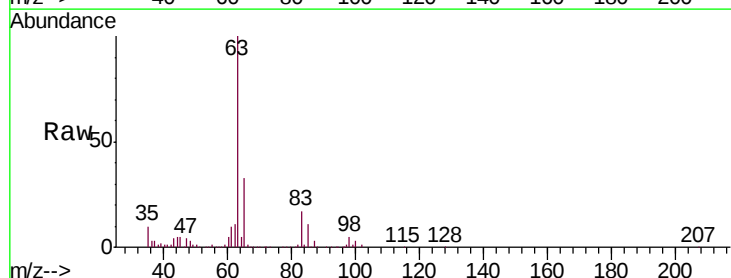
Tgt Ion: 63 Resp: 203334

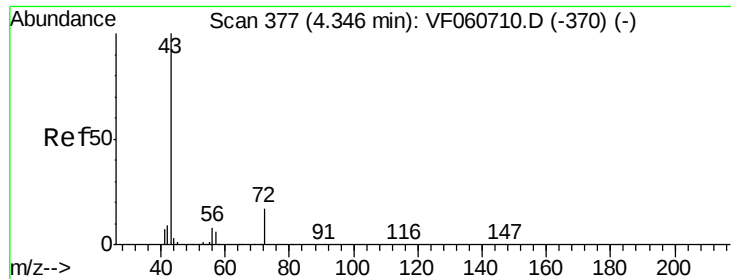
Ion Ratio Lower Upper

63 100

98 5.1 2.4 7.1

100 3.4 1.4 4.2





#25

2-Butanone

Concen: 249.390 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

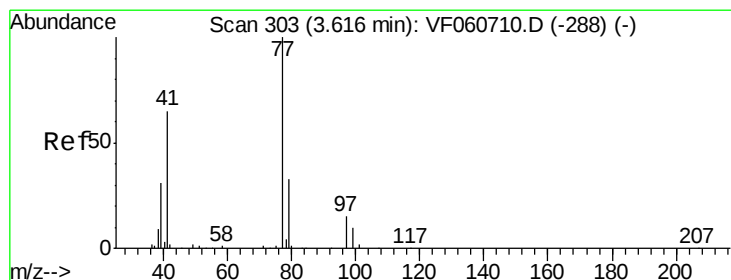
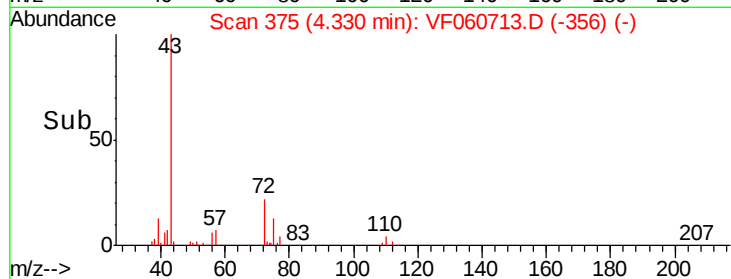
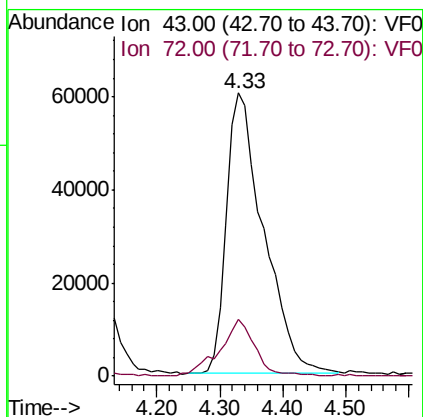
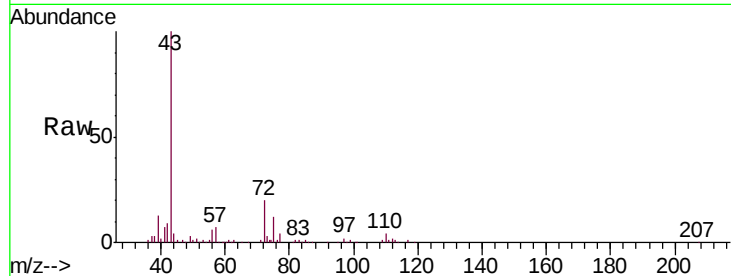
BFB

Tgt Ion: 43 Resp: 246352

Ion Ratio Lower Upper

43 100

72 20.1 16.1 24.1



#26

2,2-Dichloropropane

Concen: 45.666 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF060713.D

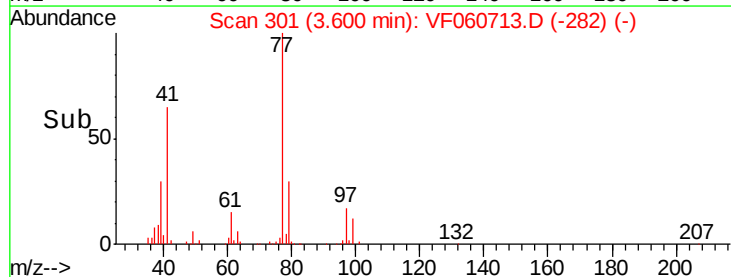
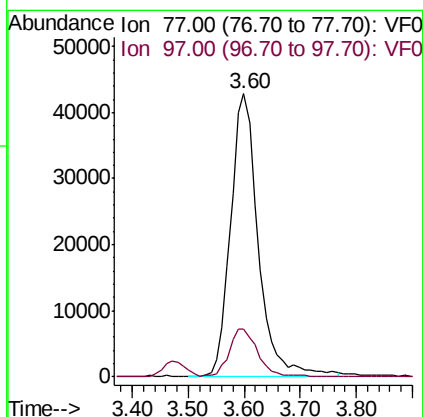
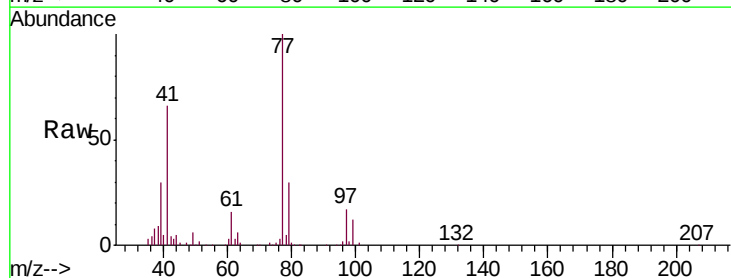
Acq: 13 Nov 2018 14:53

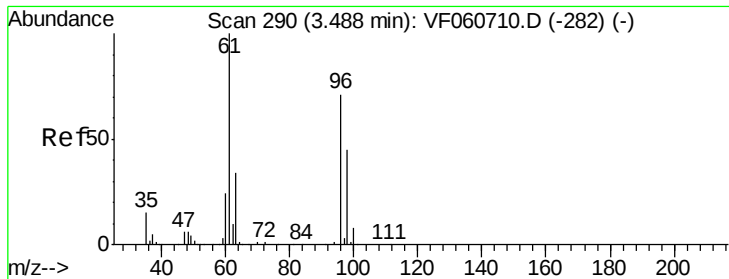
Tgt Ion: 77 Resp: 147882

Ion Ratio Lower Upper

77 100

97 17.1 8.8 26.5



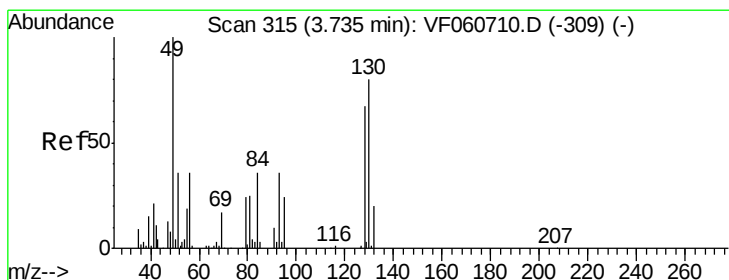
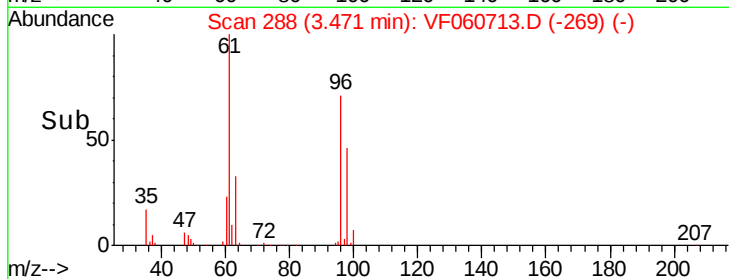
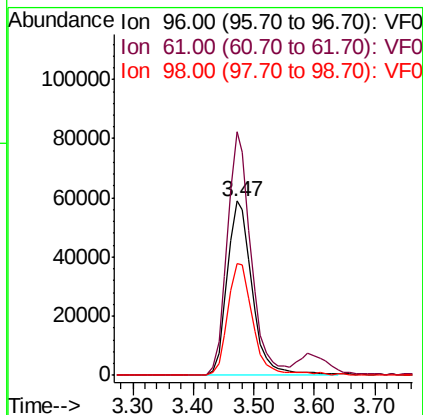
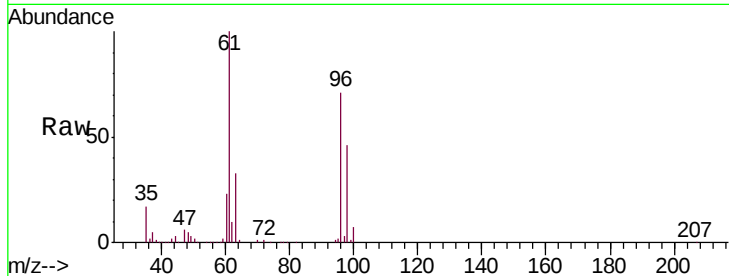


#27

cis-1,2-Dichloroethene
Concen: 47.593 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.02 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Instrument :
MSVOA_F
ClientSampleId :
BFB

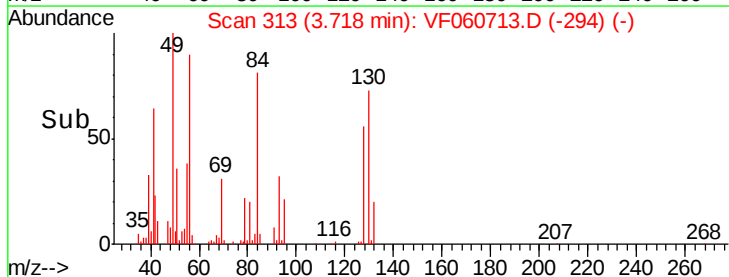
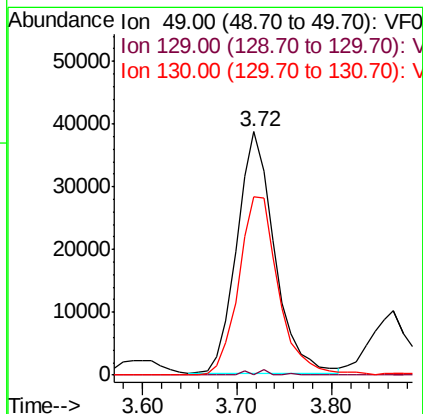
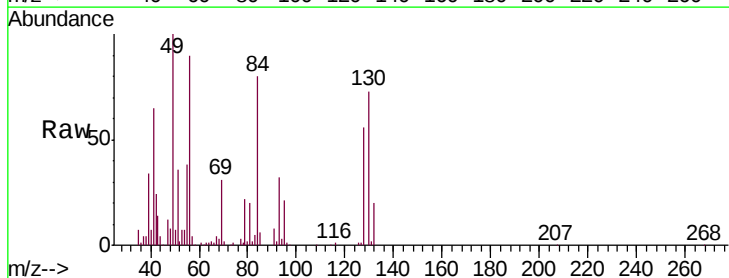
Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	280.6
98	64.5	0.0	127.6

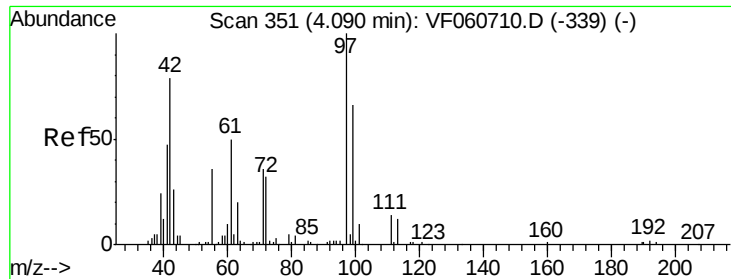


#28

Bromochloromethane
Concen: 49.562 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.02 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	73.1	63.9	95.9





#29

Tetrahydrofuran

Concen: 235.751 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

BFB

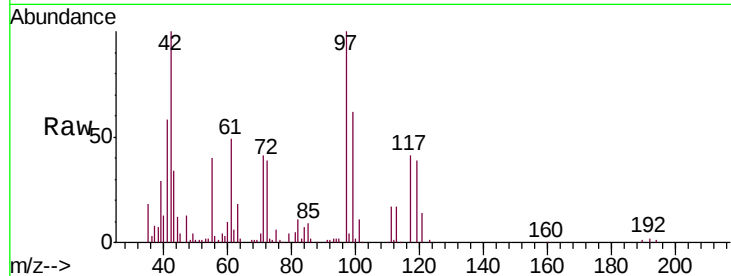
Tgt Ion: 42 Resp: 96059

Ion Ratio Lower Upper

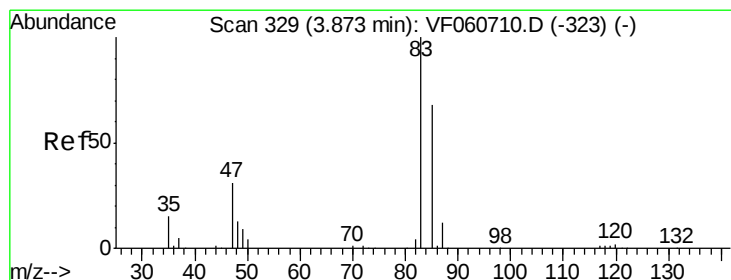
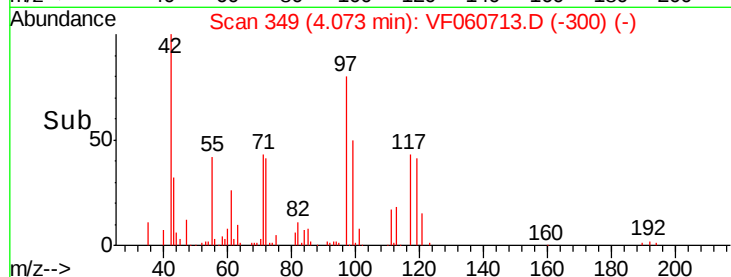
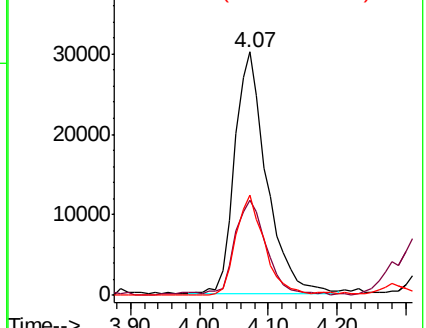
42 100

72 40.9 30.3 45.5

71 37.6 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: 44.815 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF060713.D

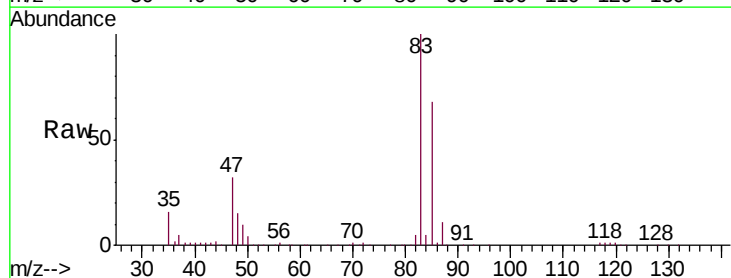
Acq: 13 Nov 2018 14:53

Tgt Ion: 83 Resp: 295895

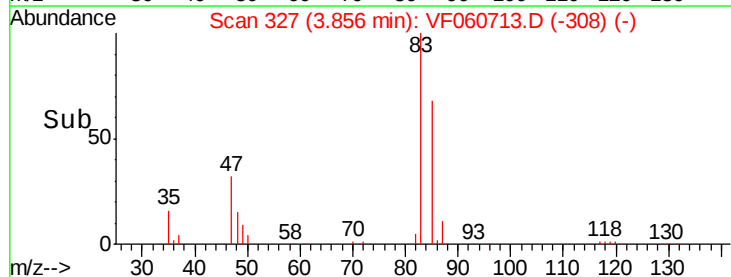
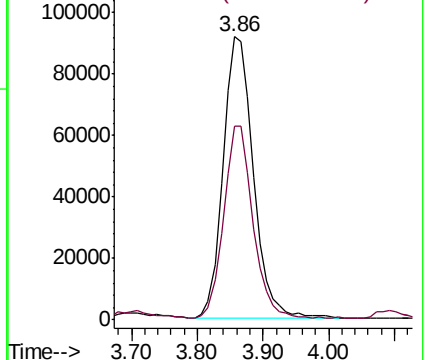
Ion Ratio Lower Upper

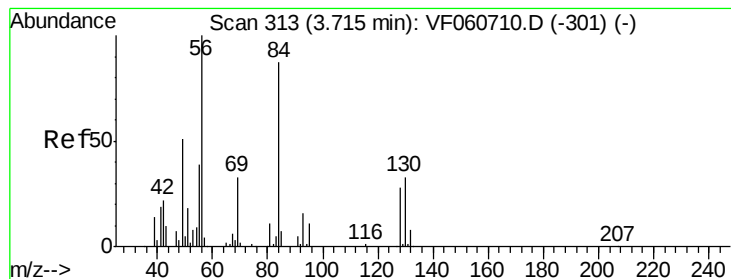
83 100

85 68.3 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: 49.489 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.03 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

BFB

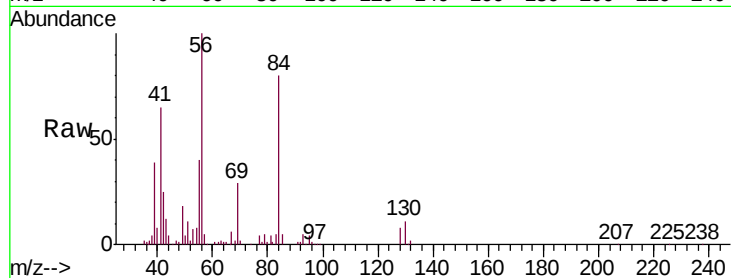
Tgt Ion: 56 Resp: 247176

Ion Ratio Lower Upper

56 100

69 28.7 26.0 39.0

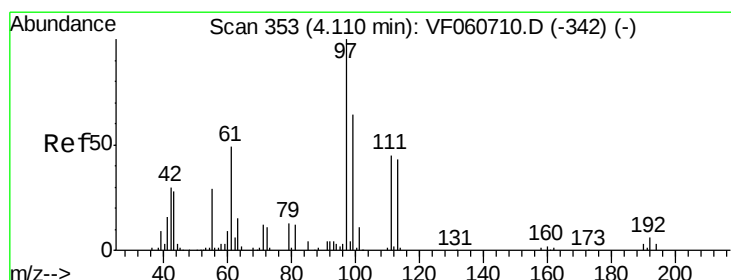
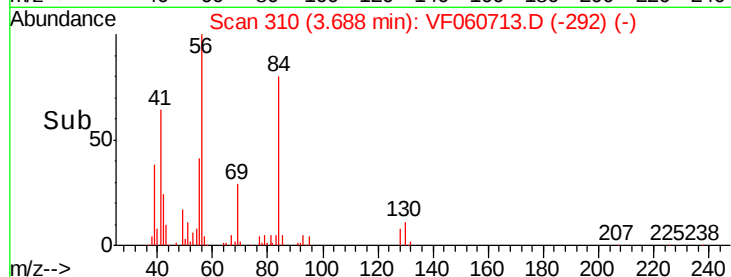
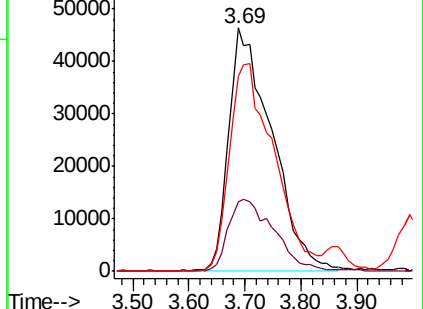
84 80.2 69.4 104.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 43.905 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

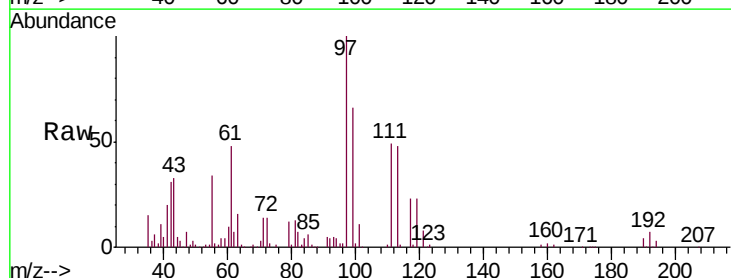
Tgt Ion: 97 Resp: 228282

Ion Ratio Lower Upper

97 100

99 66.4 51.1 76.7

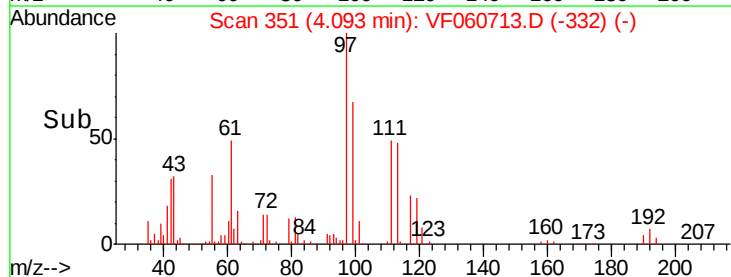
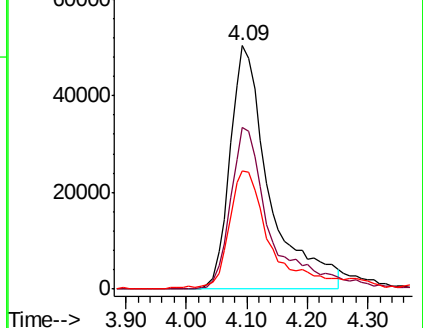
61 48.5 40.1 60.1

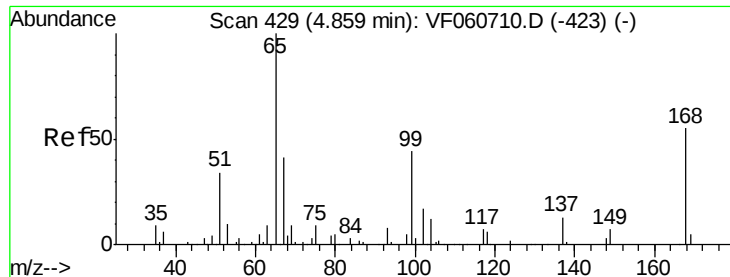


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

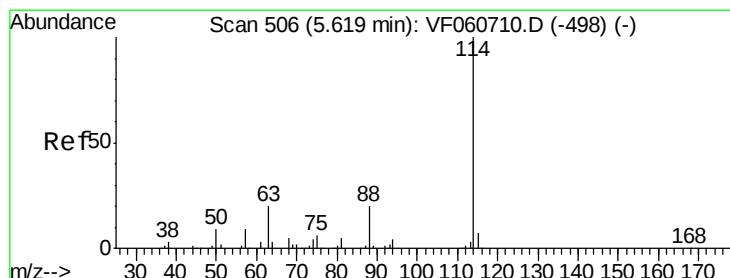
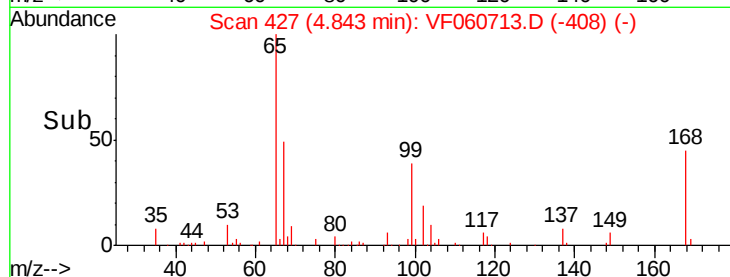
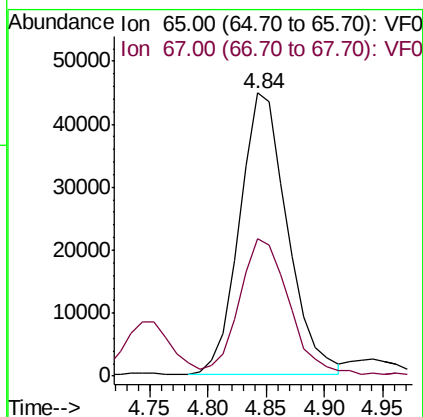
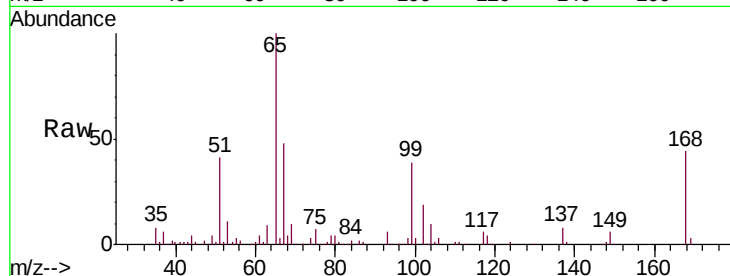




#33
 1,2-Dichloroethane-d4
 Concen: 45.446 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.02 min
 Lab File: VF060713.D
 Acq: 13 Nov 2018 14:53

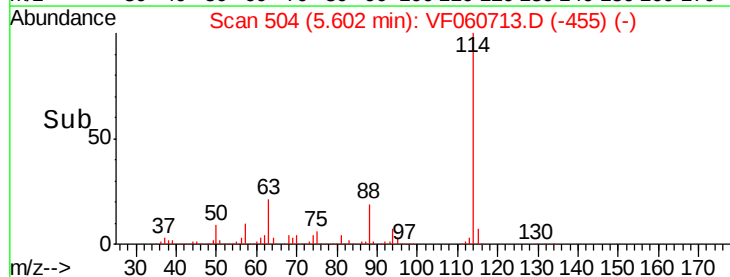
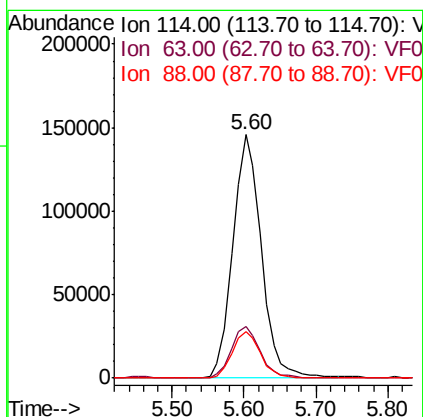
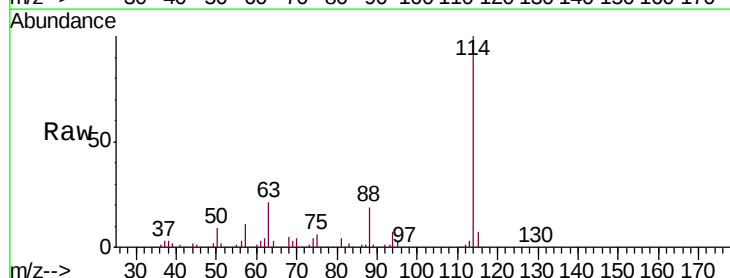
Instrument :
 MSVOA_F
 ClientSampled :
 BFB

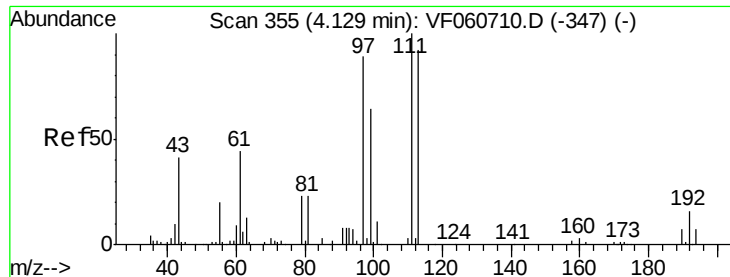
Tgt Ion: 65 Resp: 127691
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.02 min
 Lab File: VF060713.D
 Acq: 13 Nov 2018 14:53

Tgt Ion: 114 Resp: 402901
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.8
 88 18.9 0.0 39.6





#35

Dibromofluoromethane

Concen: 48.143 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

BFB

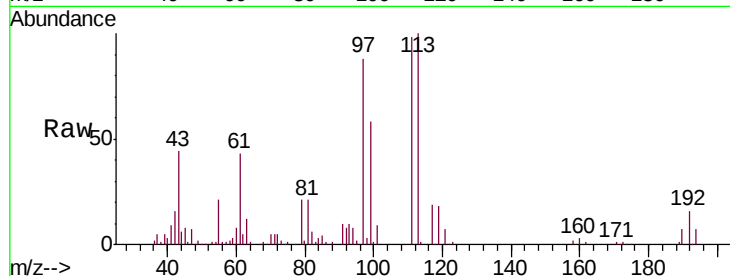
Tgt Ion:113 Resp: 145806

Ion Ratio Lower Upper

113 100

111 98.2 87.1 130.7

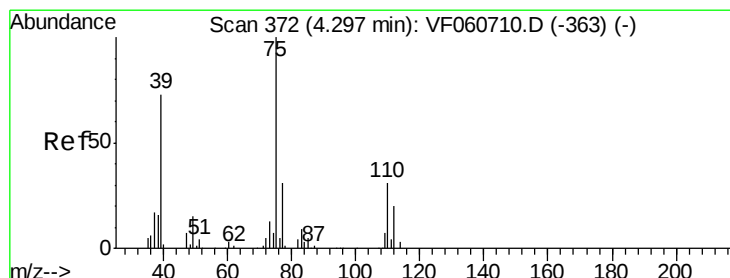
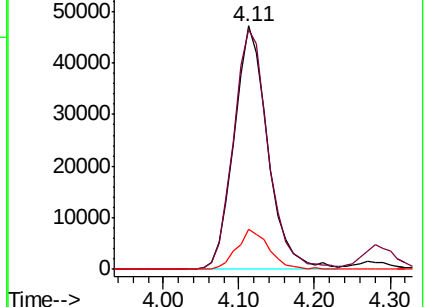
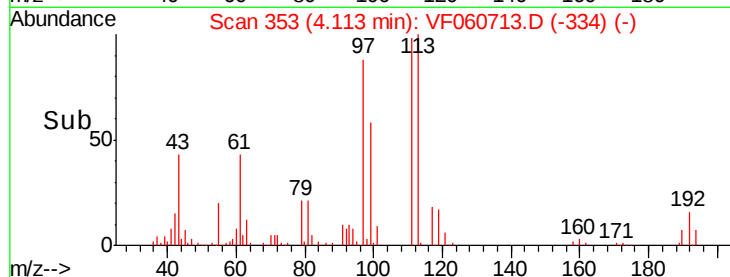
192 16.5 13.8 20.6



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: 49.866 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

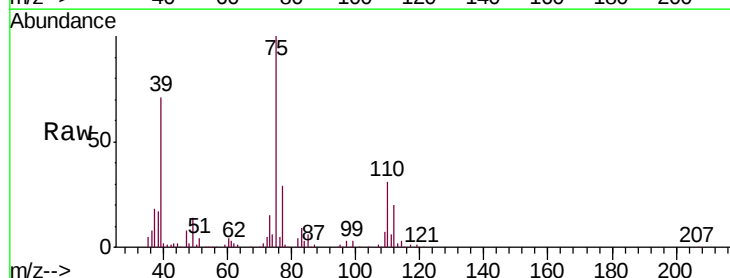
Tgt Ion: 75 Resp: 233007

Ion Ratio Lower Upper

75 100

110 31.3 15.6 46.8

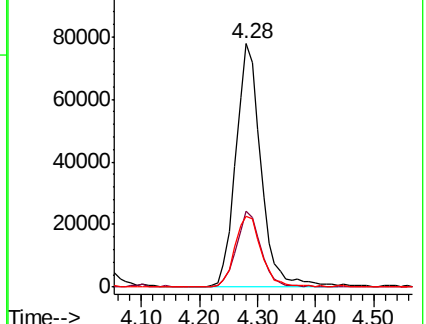
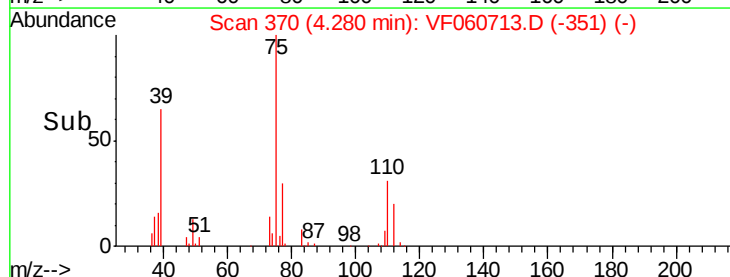
77 29.3 25.0 37.6

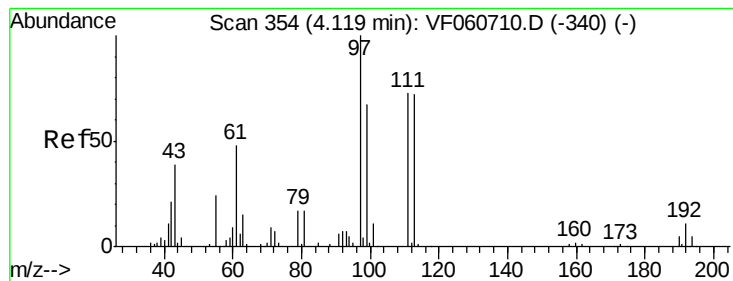


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 48.726 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

BFB

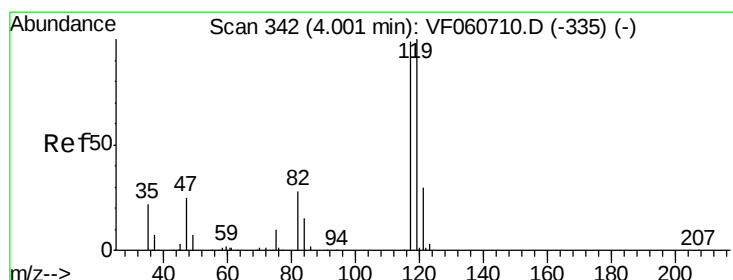
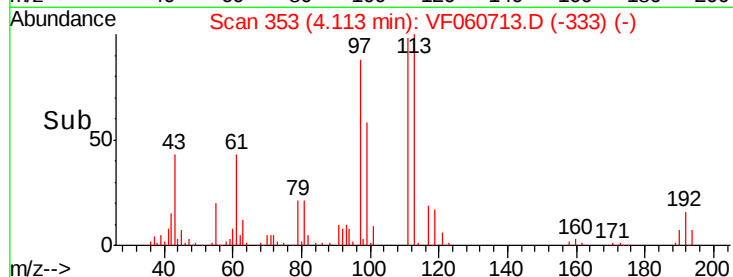
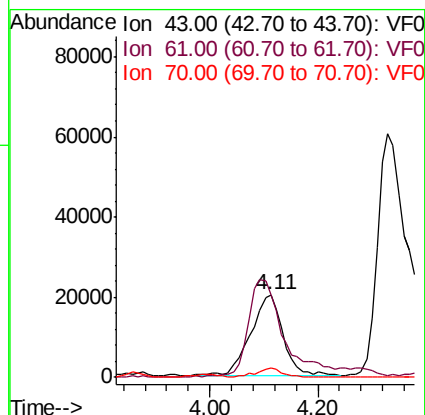
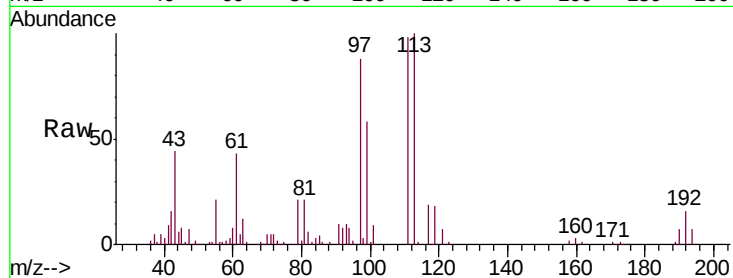
Tgt Ion: 43 Resp: 84647

Ion Ratio Lower Upper

43 100

61 99.0 98.5 147.7

70 11.9 7.4 11.0#



#38

Carbon Tetrachloride

Concen: 56.617 ug/l

RT: 3.99 min Scan# 341

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

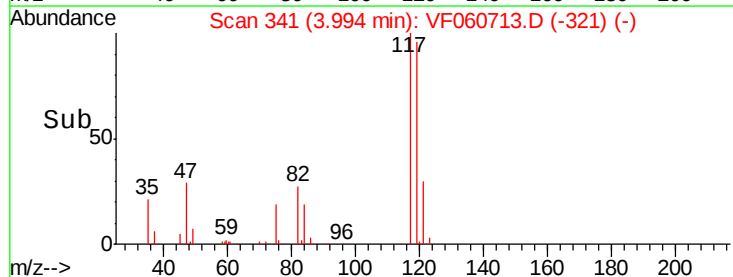
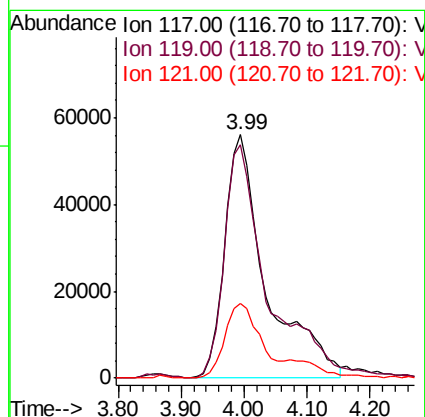
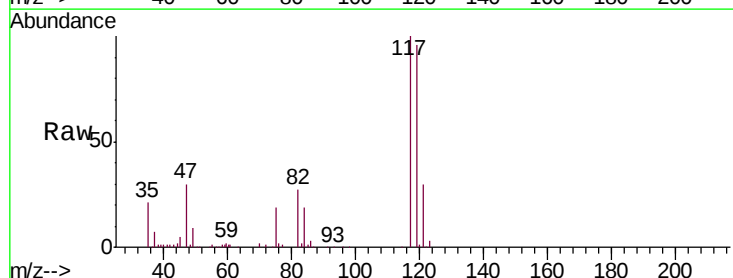
Tgt Ion: 117 Resp: 256699

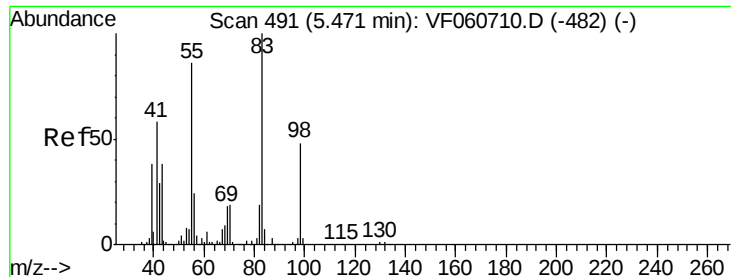
Ion Ratio Lower Upper

117 100

119 96.0 80.7 121.1

121 30.5 24.3 36.5

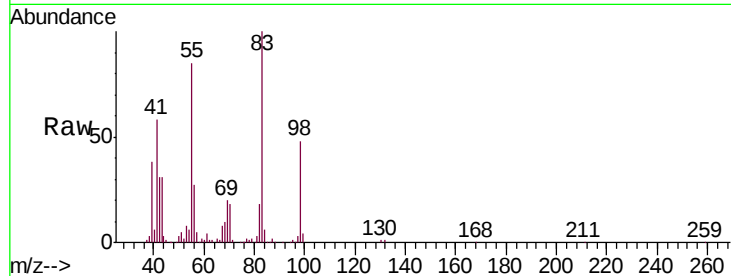




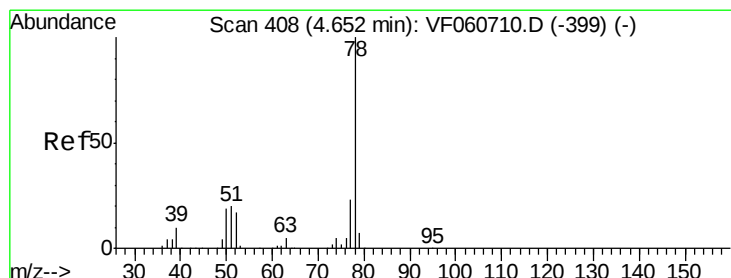
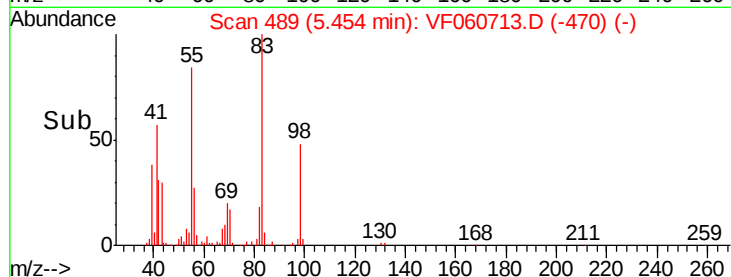
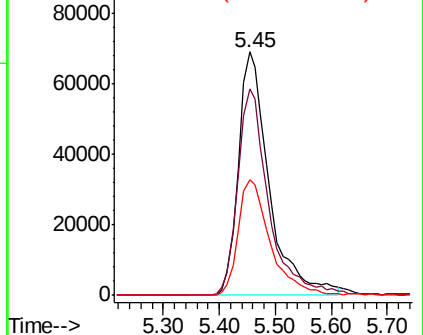
#39
Methylcyclohexane
Concen: 48.449 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.02 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 262642
Ion Ratio Lower Upper
83 100
55 84.6 69.0 103.4
98 47.6 38.5 57.7

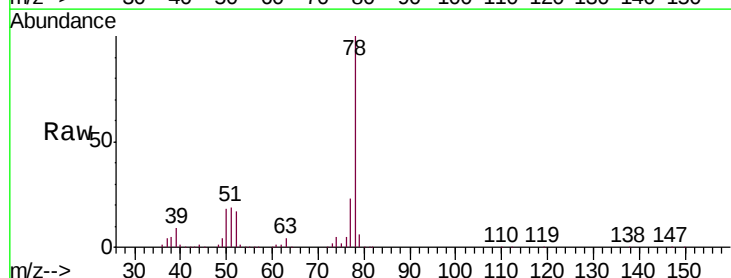


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

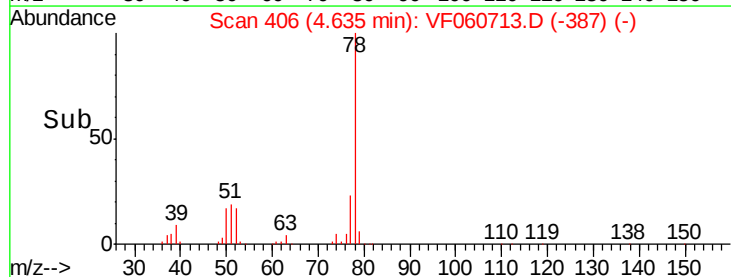
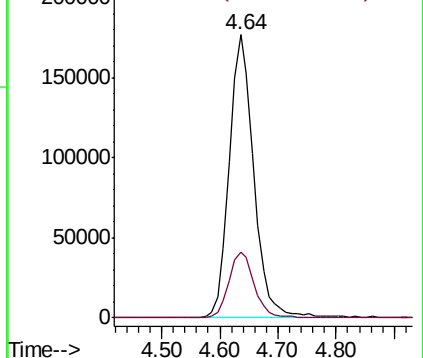


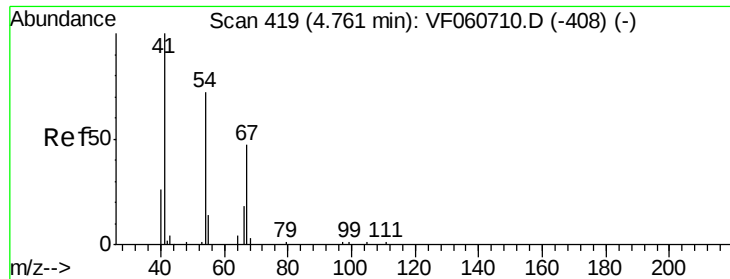
#40
Benzene
Concen: 49.822 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.02 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Tgt Ion: 78 Resp: 518945
Ion Ratio Lower Upper
78 100
77 23.1 18.6 28.0



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

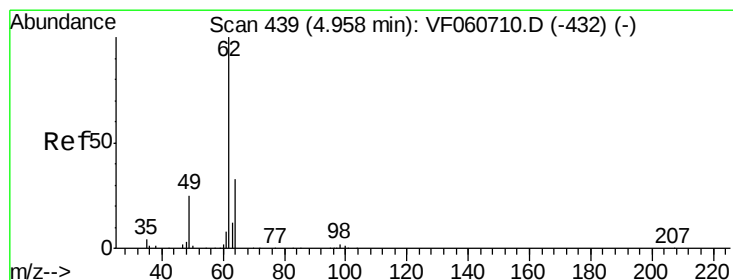
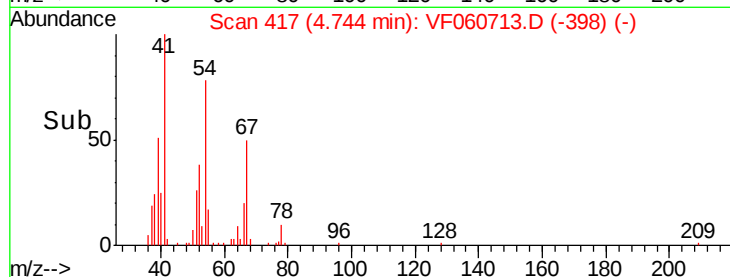
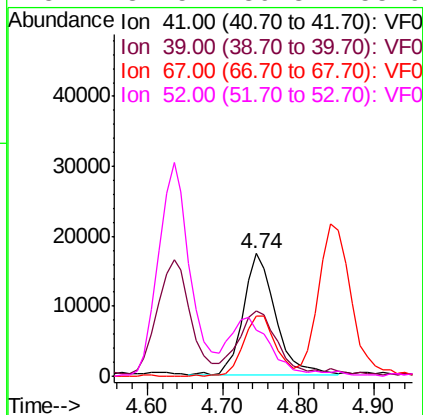
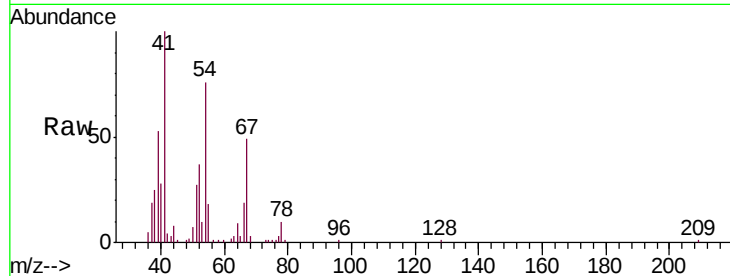




#41
Methacrylonitrile
Concen: 55.478 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.02 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

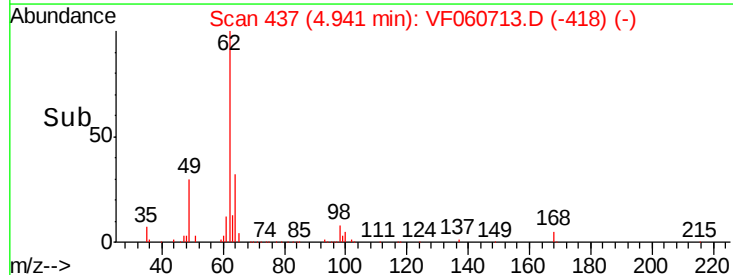
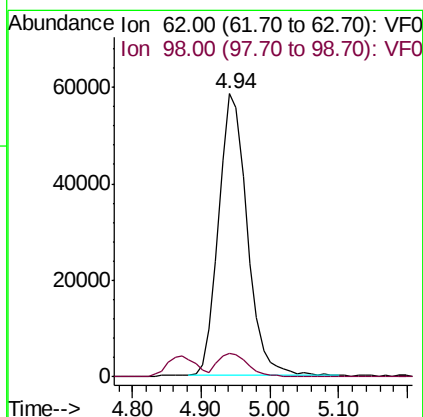
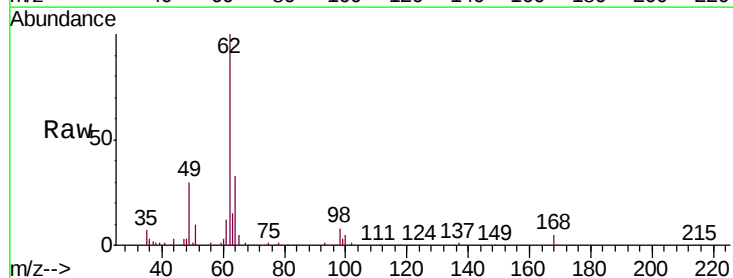
Instrument :
MSVOA_F
ClientSampled :
BFB

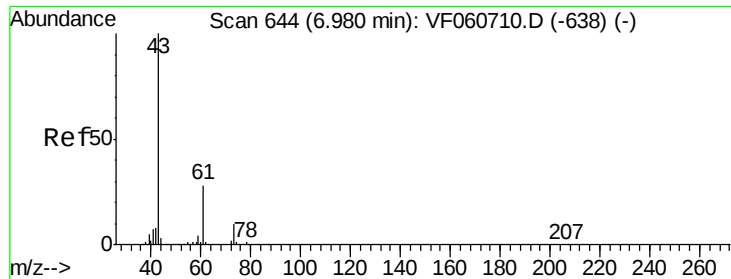
Tgt Ion: 41 Resp: 50945
Ion Ratio Lower Upper
41 100
39 53.3 47.1 70.7
67 49.2 37.1 55.7
52 37.5 39.3 58.9#



#42
1,2-Dichloroethane
Concen: 46.872 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.02 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Tgt Ion: 62 Resp: 168715
Ion Ratio Lower Upper
62 100
98 8.4 0.0 16.6





#43

Isopropyl Acetate

Concen: 53.196 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

BFB

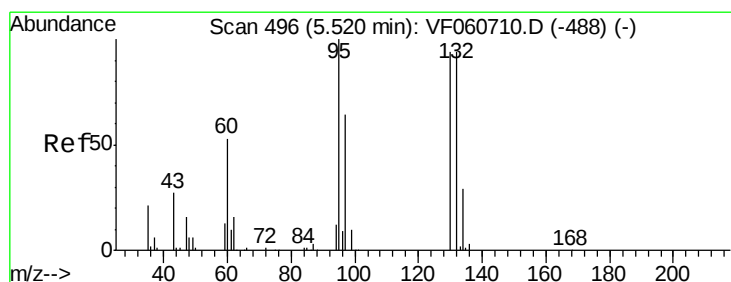
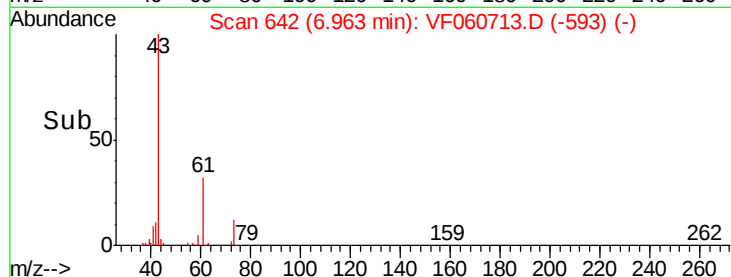
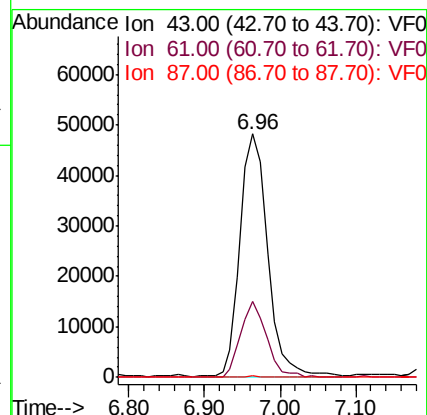
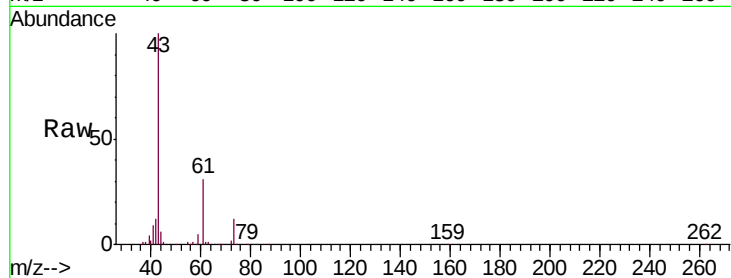
Tgt Ion: 43 Resp: 122527

Ion Ratio Lower Upper

43 100

61 31.2 22.2 33.4

87 0.5 0.4 0.6



#44

Trichloroethene

Concen: 48.422 ug/l

RT: 5.51 min Scan# 495

Delta R.T. -0.01 min

Lab File: VF060713.D

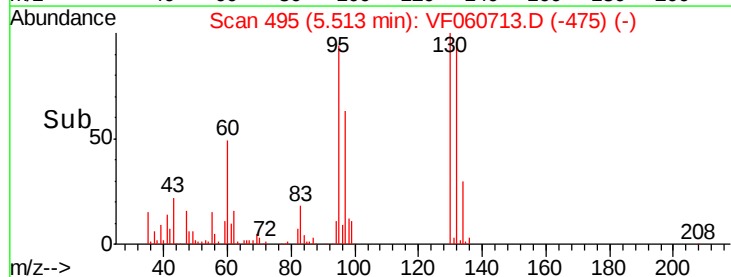
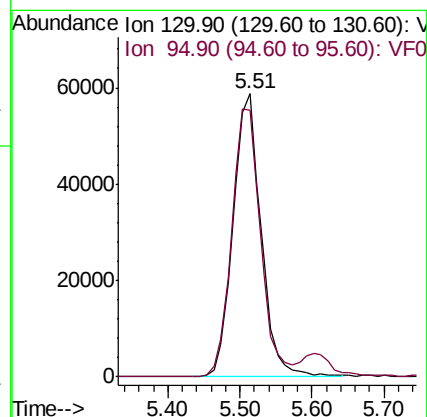
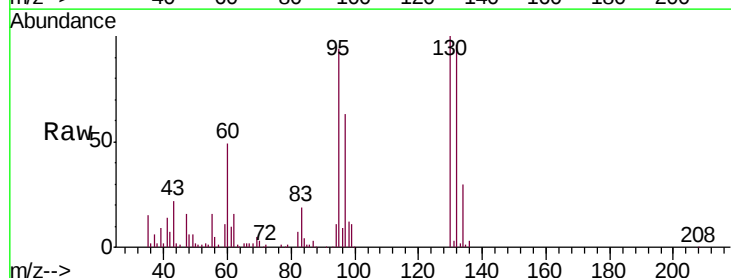
Acq: 13 Nov 2018 14:53

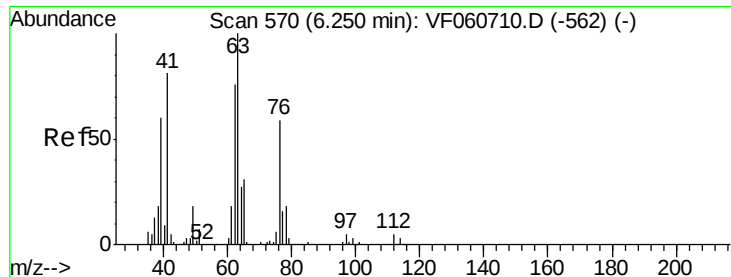
Tgt Ion: 130 Resp: 159130

Ion Ratio Lower Upper

130 100

95 94.0 0.0 212.6





#45

1,2-Dichloropropane

Concen: 50.621 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampled :

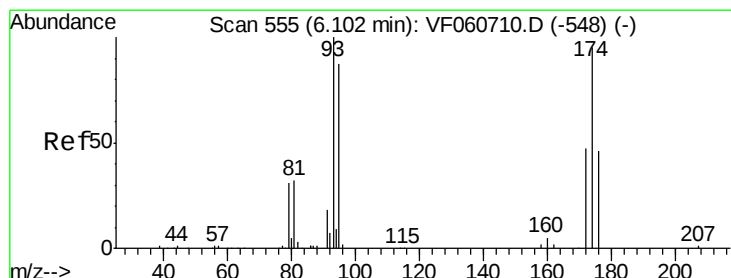
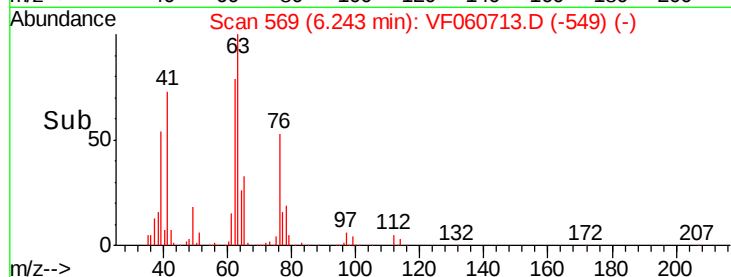
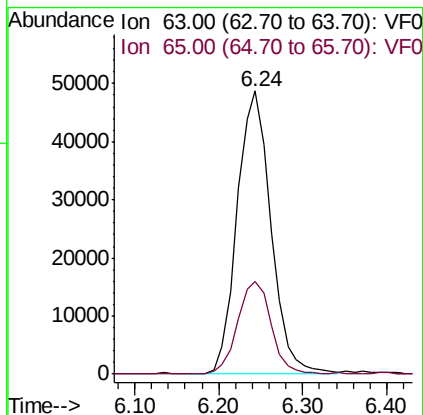
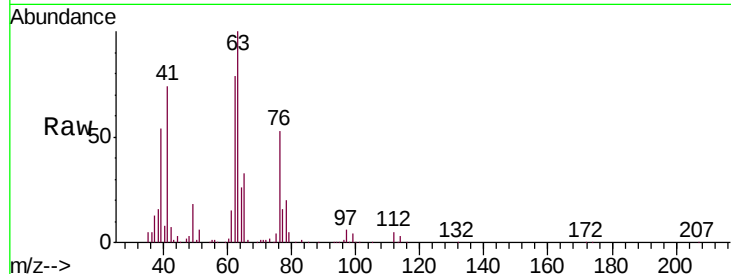
BFB

Tgt Ion: 63 Resp: 137206

Ion Ratio Lower Upper

63 100

65 32.9 24.6 36.8



#46

Dibromomethane

Concen: 49.534 ug/l

RT: 6.10 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

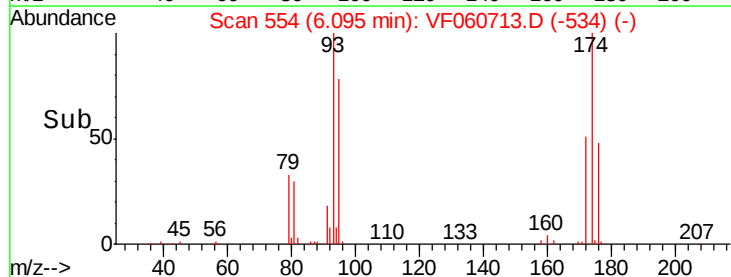
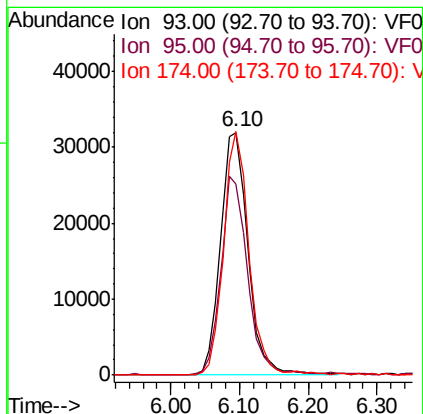
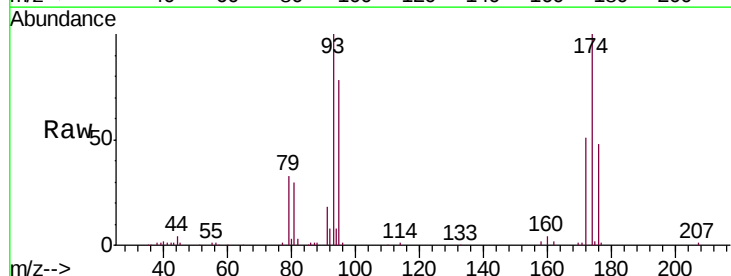
Tgt Ion: 93 Resp: 88626

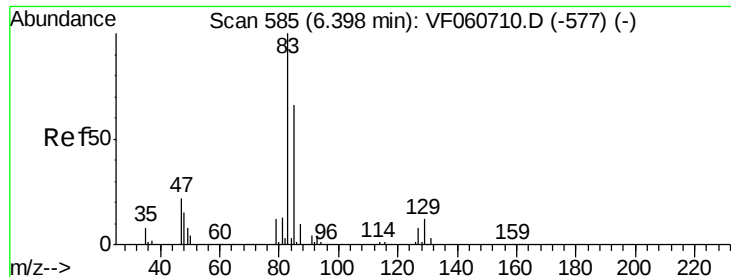
Ion Ratio Lower Upper

93 100

95 78.6 69.5 104.3

174 100.5 76.2 114.2





#47

Bromodichloromethane

Concen: 48.923 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampled :

BFB

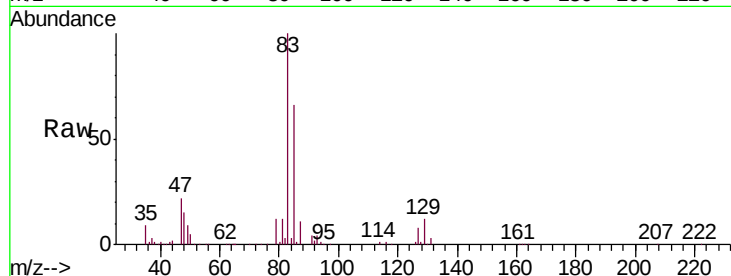
Tgt Ion: 83 Resp: 223523

Ion Ratio Lower Upper

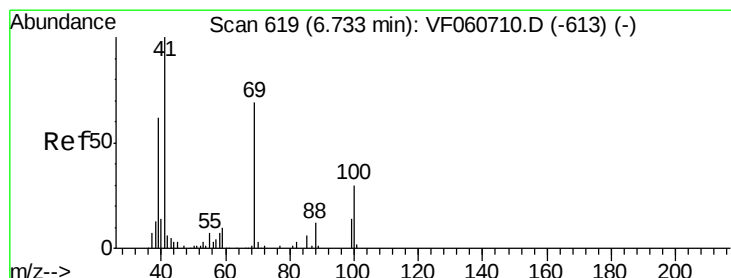
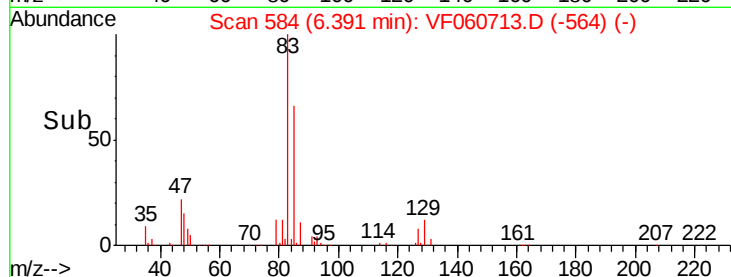
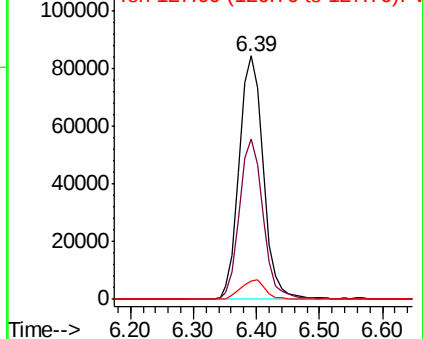
83 100

85 65.7 52.4 78.6

127 7.5 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: 51.794 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

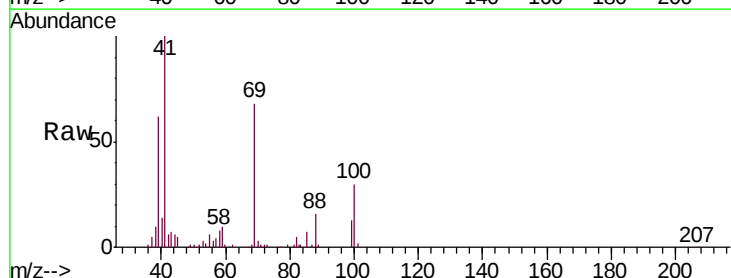
Tgt Ion: 41 Resp: 78953

Ion Ratio Lower Upper

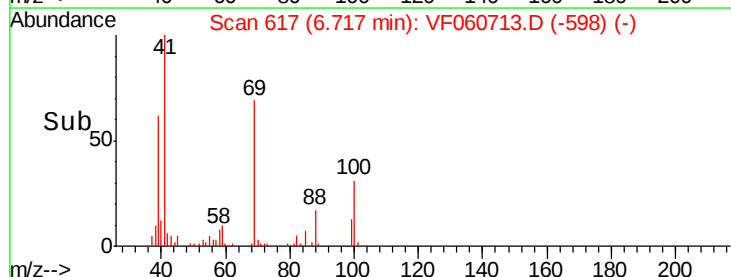
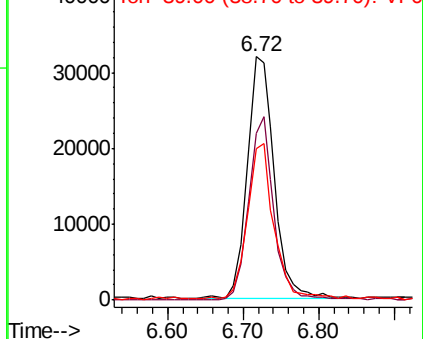
41 100

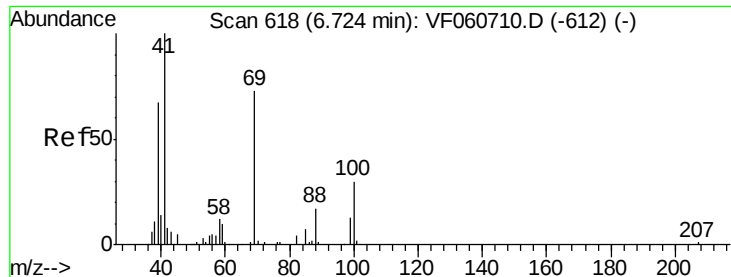
69 68.3 54.9 82.3

39 62.2 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: 1053.550 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

BFB

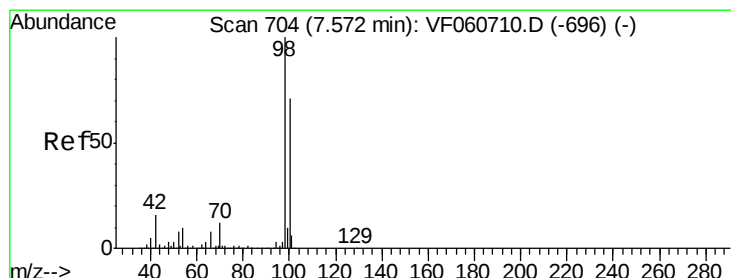
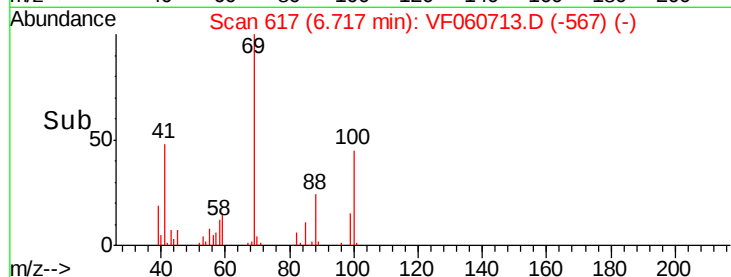
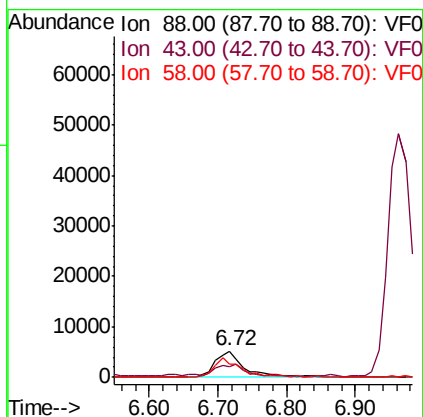
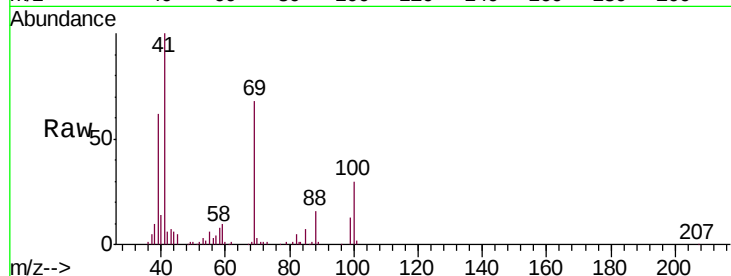
Tgt Ion: 88 Resp: 15020

Ion Ratio Lower Upper

88 100

43 40.2 44.6 66.8#

58 49.8 54.5 81.7#



#50

Toluene-d8

Concen: 56.193 ug/l

RT: 7.57 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060713.D

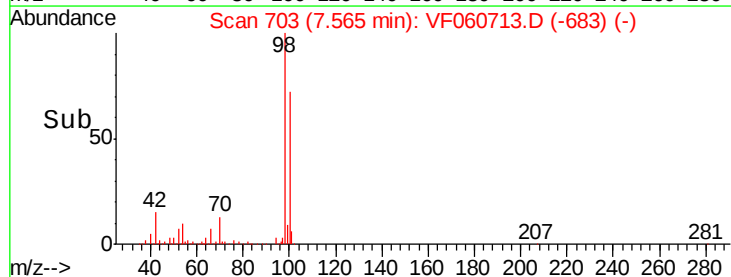
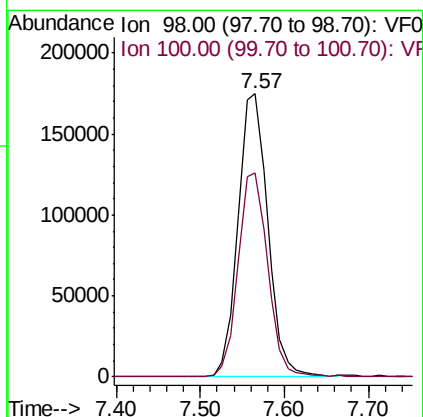
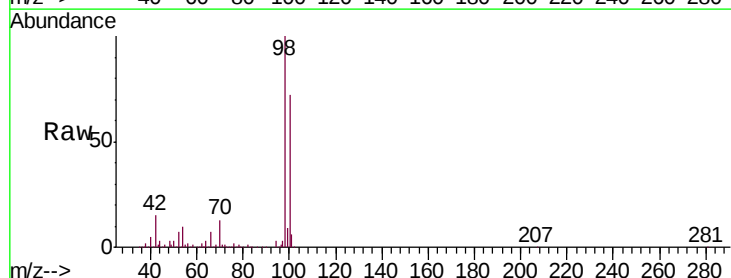
Acq: 13 Nov 2018 14:53

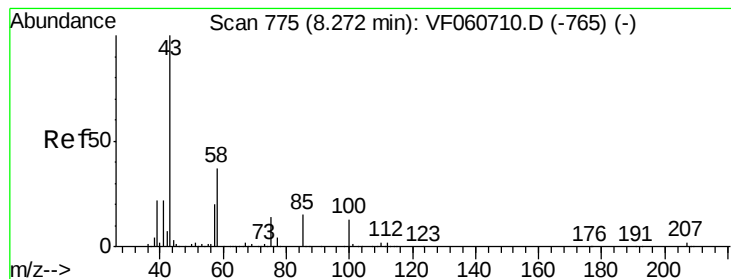
Tgt Ion: 98 Resp: 433179

Ion Ratio Lower Upper

98 100

100 72.0 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 251.335 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

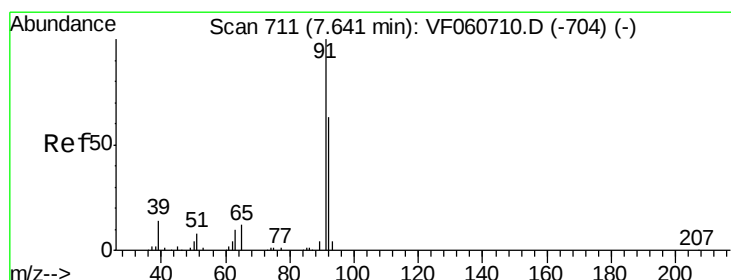
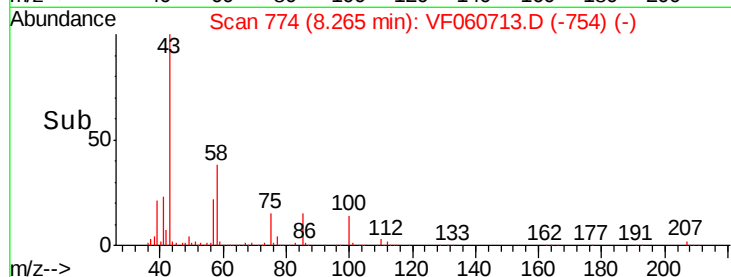
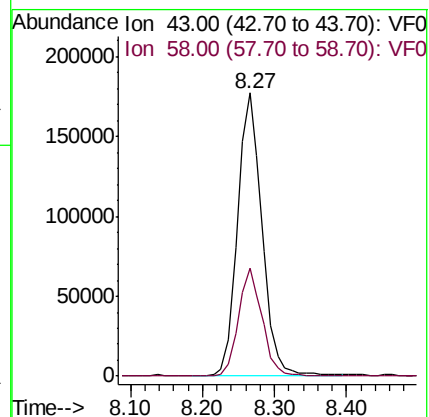
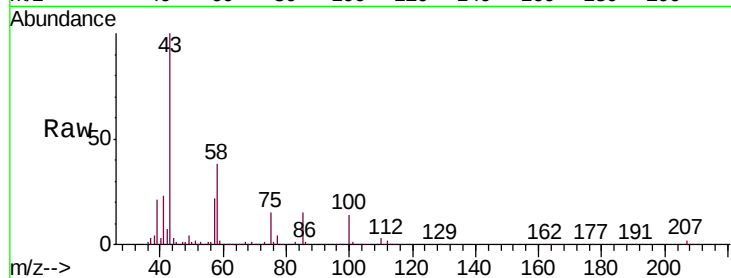
BFB

Tgt Ion: 43 Resp: 418692

Ion Ratio Lower Upper

43 100

58 38.1 29.2 43.8



#52

Toluene

Concen: 47.855 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060713.D

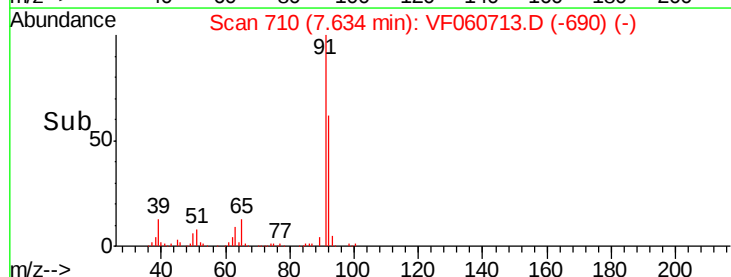
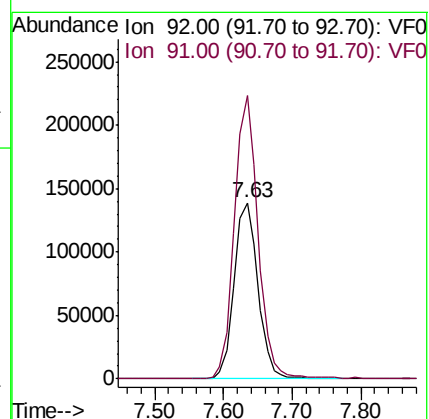
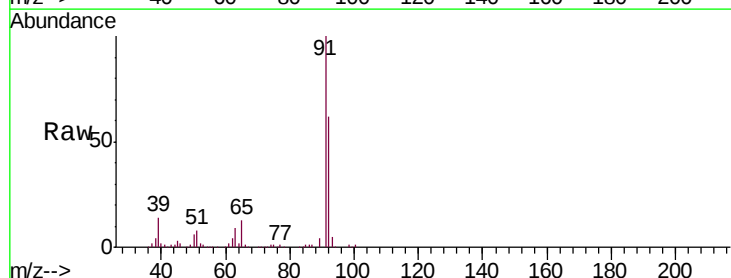
Acq: 13 Nov 2018 14:53

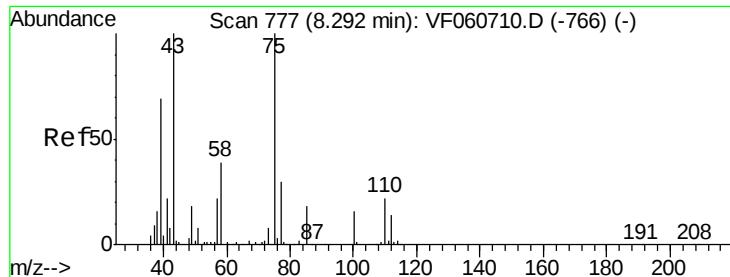
Tgt Ion: 92 Resp: 334032

Ion Ratio Lower Upper

92 100

91 160.8 126.7 190.1

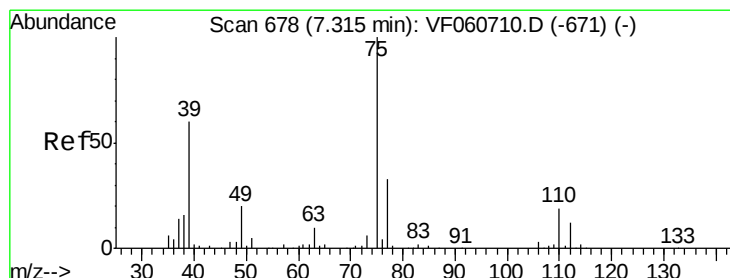
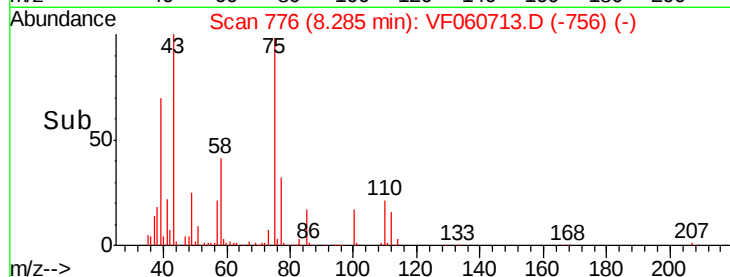
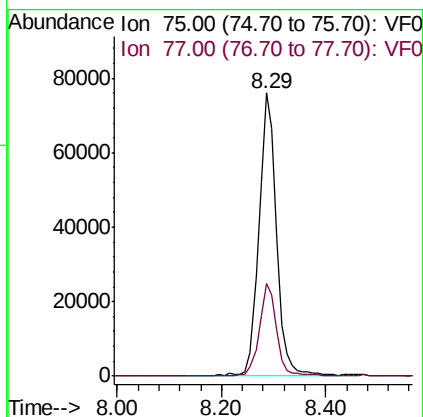
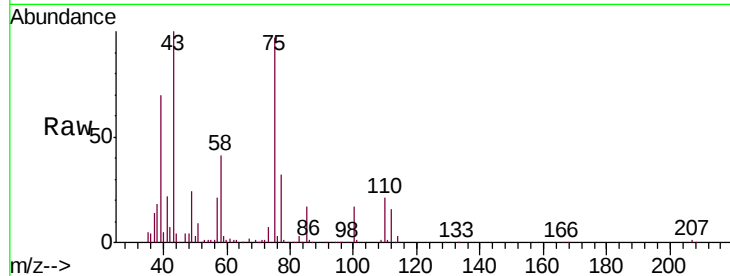




#53
 t-1,3-Dichloropropene
 Concen: 48.260 ug/l
 RT: 8.29 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VF060713.D
 Acq: 13 Nov 2018 14:53

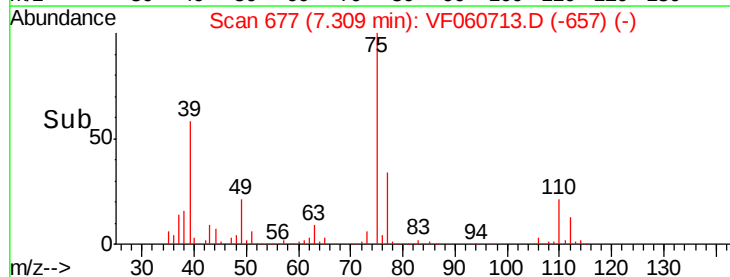
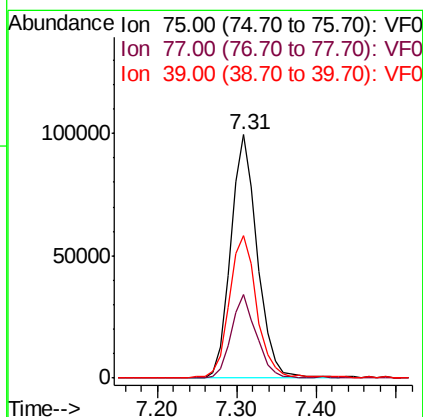
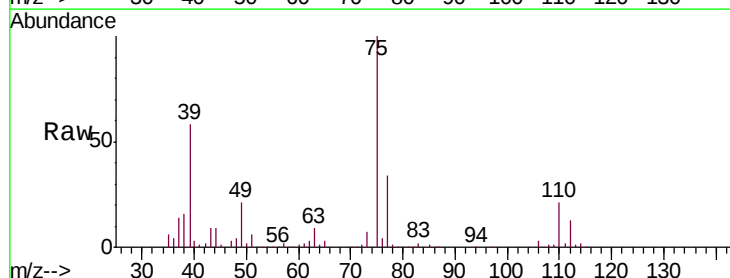
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

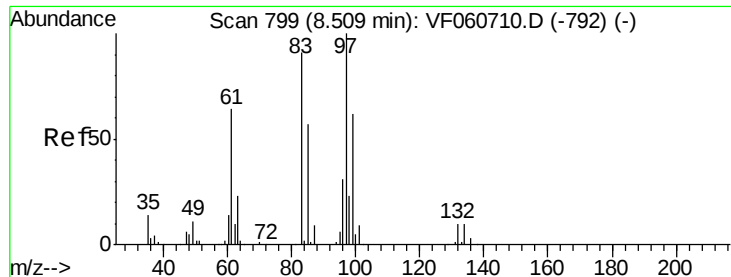
Tgt Ion: 75 Resp: 176606
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 48.849 ug/l
 RT: 7.31 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VF060713.D
 Acq: 13 Nov 2018 14:53

Tgt Ion: 75 Resp: 232200
 Ion Ratio Lower Upper
 75 100
 77 34.5 26.5 39.7
 39 58.4 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 48.042 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 95812

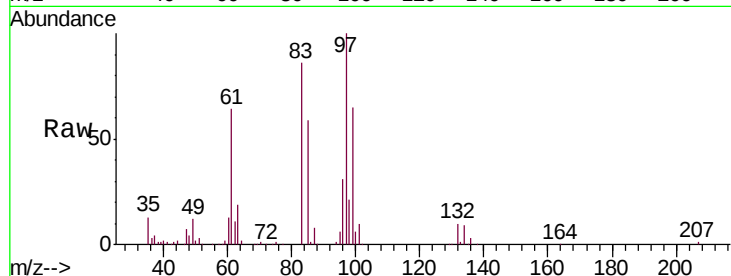
Ion Ratio Lower Upper

97 100

83 85.7 72.8 109.2

85 59.3 45.8 68.6

99 65.3 49.4 74.0

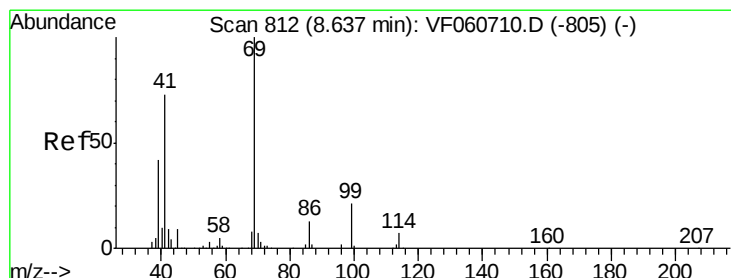
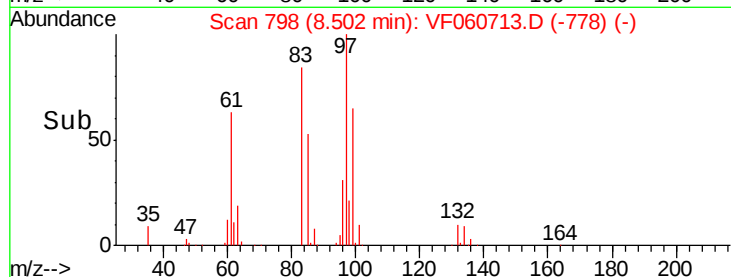
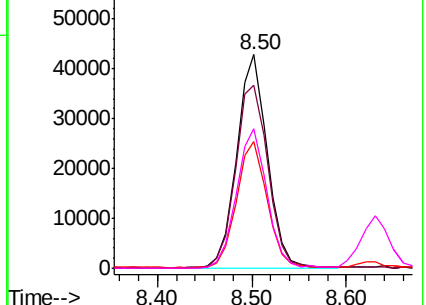


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 51.413 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

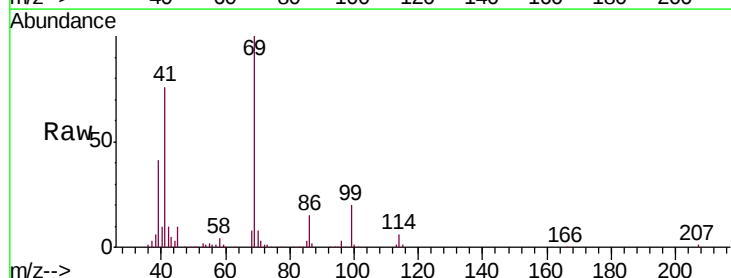
Tgt Ion: 69 Resp: 116449

Ion Ratio Lower Upper

69 100

41 76.3 59.0 88.6

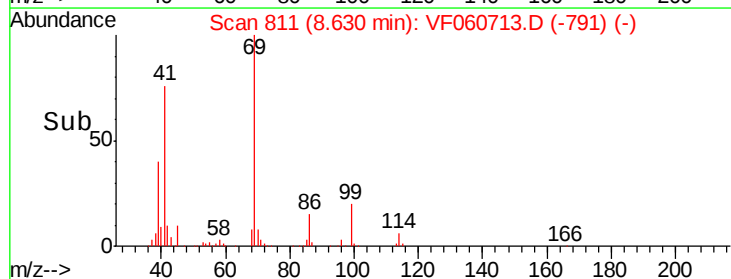
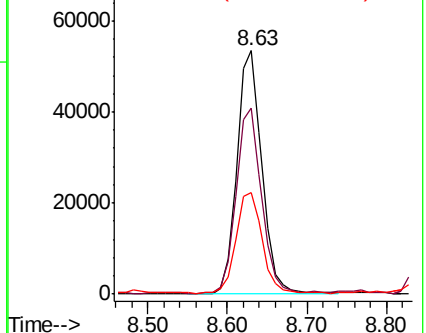
39 41.5 34.0 51.0

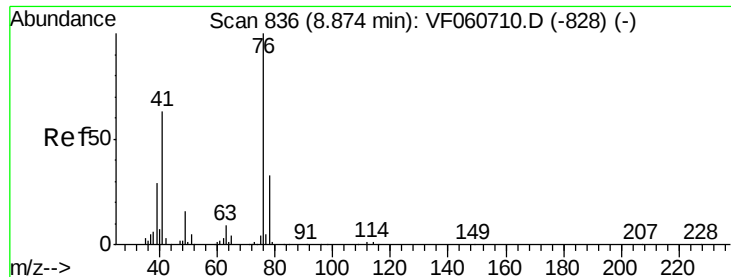


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.660 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

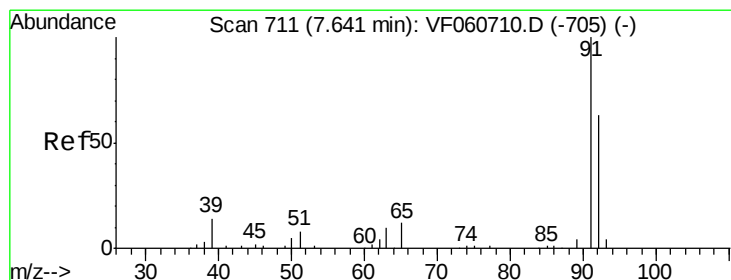
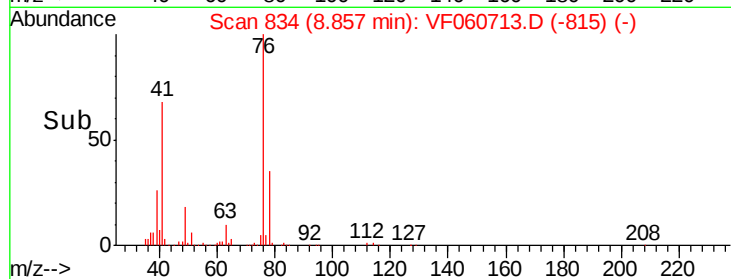
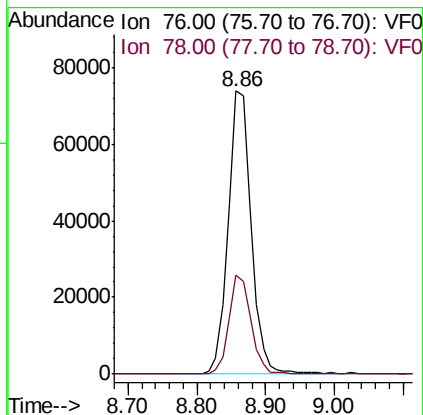
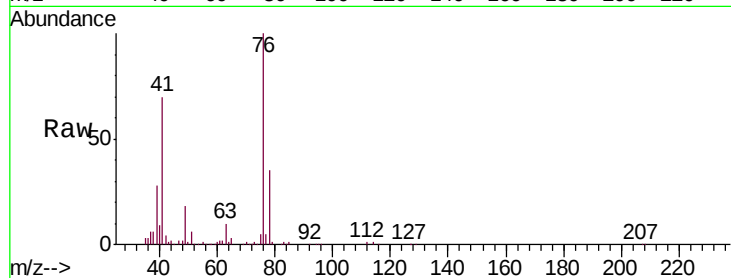
BFB

Tgt Ion: 76 Resp: 171641

Ion Ratio Lower Upper

76 100

78 34.9 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 236.382 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060713.D

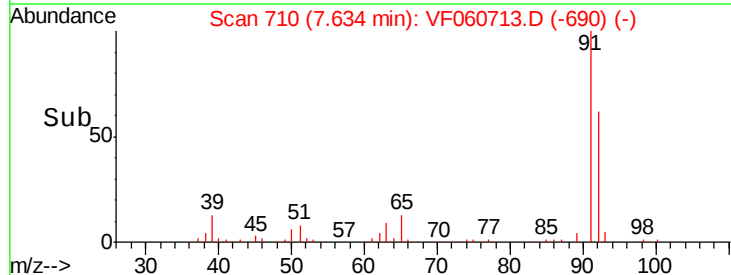
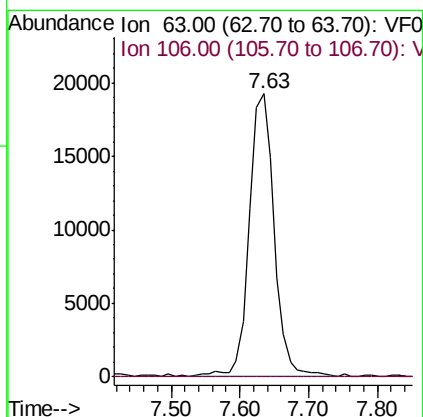
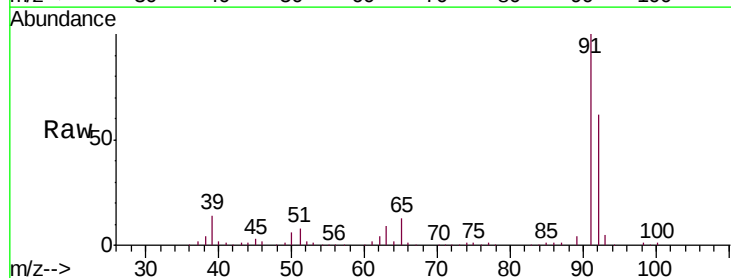
Acq: 13 Nov 2018 14:53

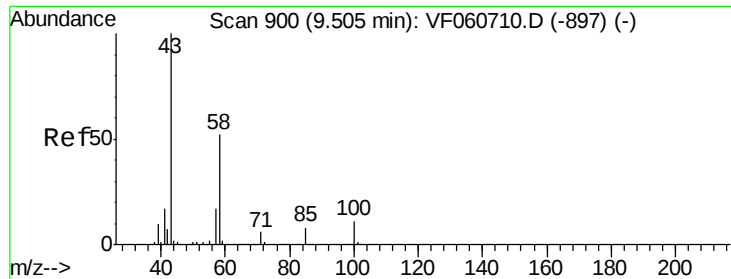
Tgt Ion: 63 Resp: 48908

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

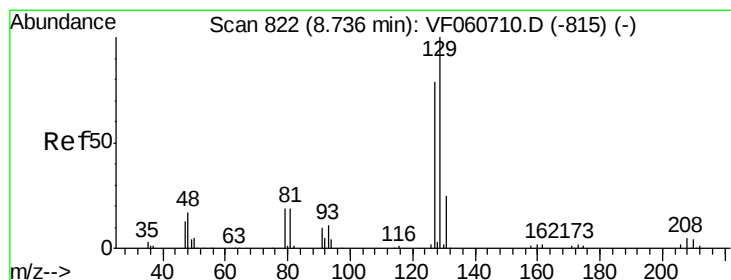
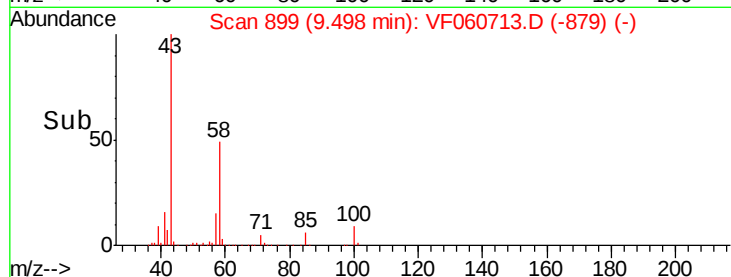
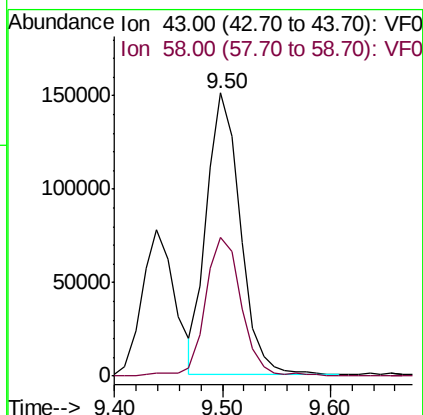
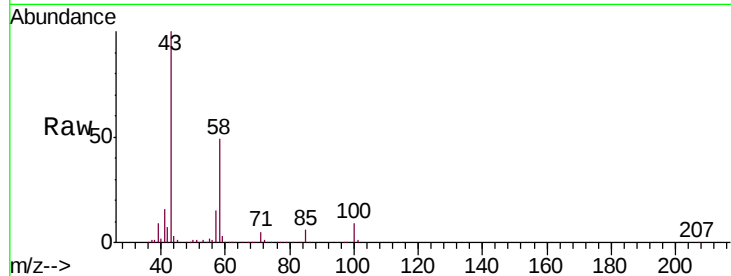




#59
2-Hexanone
Concen: 279.138 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

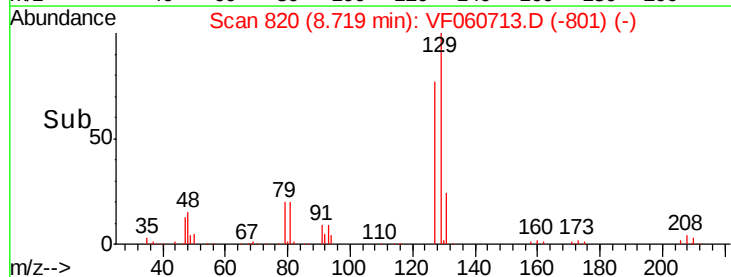
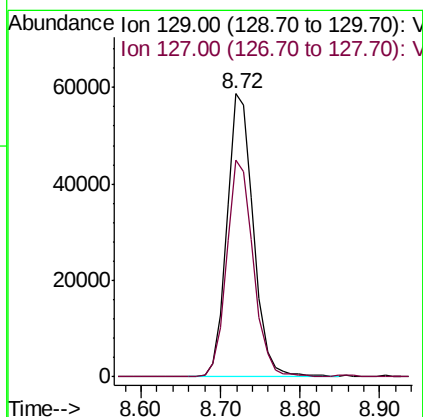
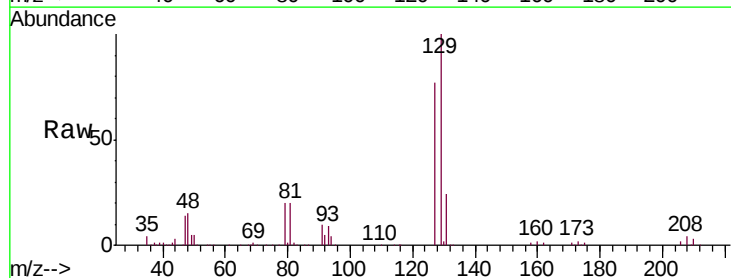
Instrument :
MSVOA_F
ClientSampleId :
BFB

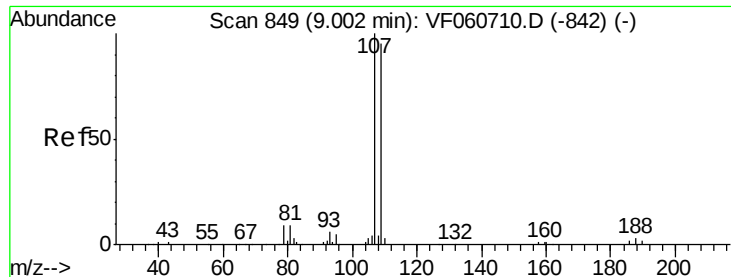
Tgt Ion: 43 Resp: 326793
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.7



#60
Dibromochloromethane
Concen: 48.101 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.02 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Tgt Ion: 129 Resp: 136718
Ion Ratio Lower Upper
129 100
127 76.6 39.7 119.1





#61

1,2-Dibromoethane

Concen: 50.298 ug/l

RT: 9.00 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

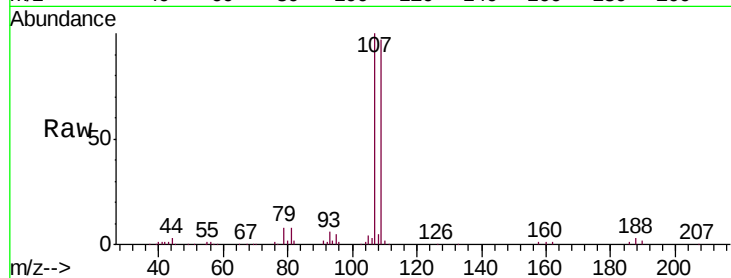
BFB

Tgt Ion: 107 Resp: 105496

Ion Ratio Lower Upper

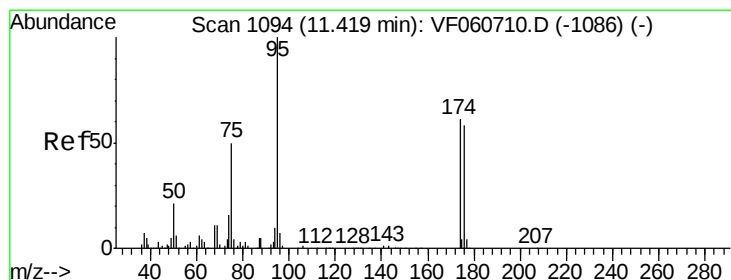
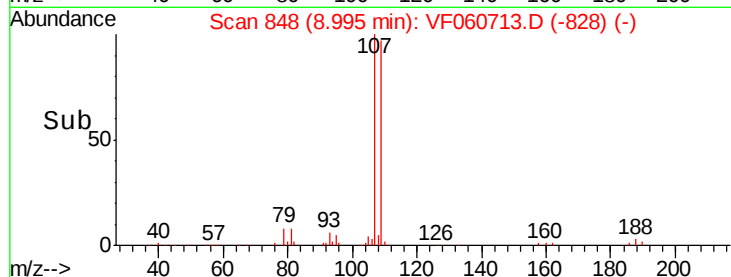
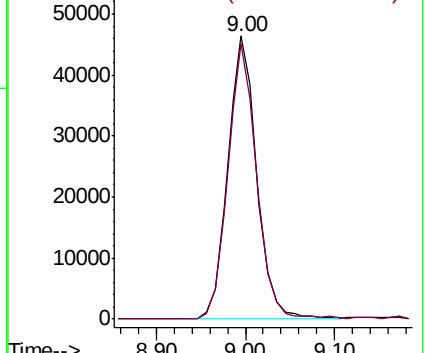
107 100

109 97.2 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: 53.451 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

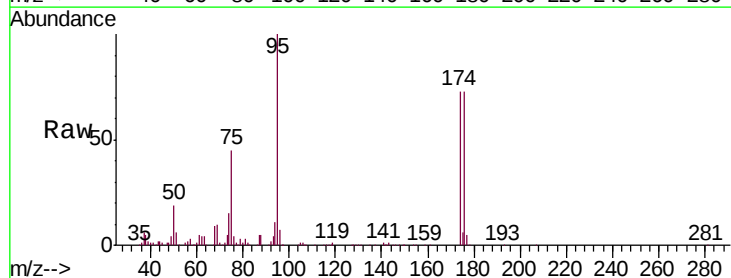
Tgt Ion: 95 Resp: 190566

Ion Ratio Lower Upper

95 100

174 73.1 0.0 121.6

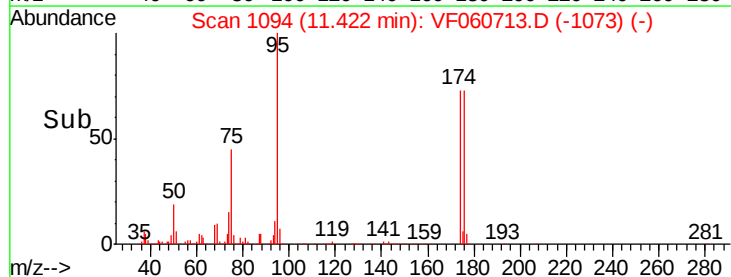
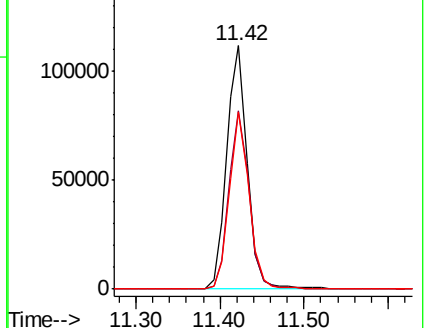
176 72.6 0.0 115.2

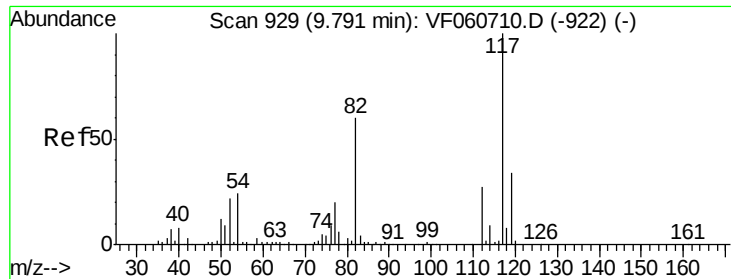


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

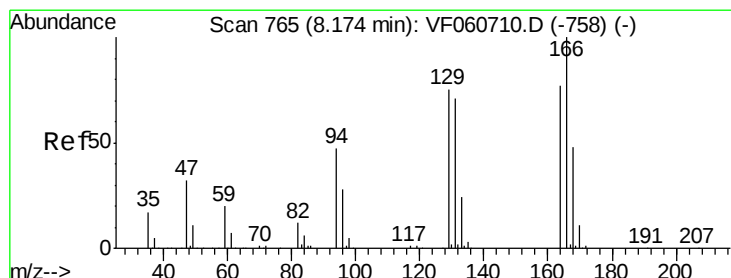
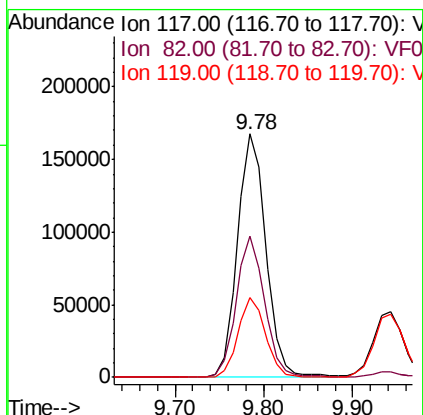
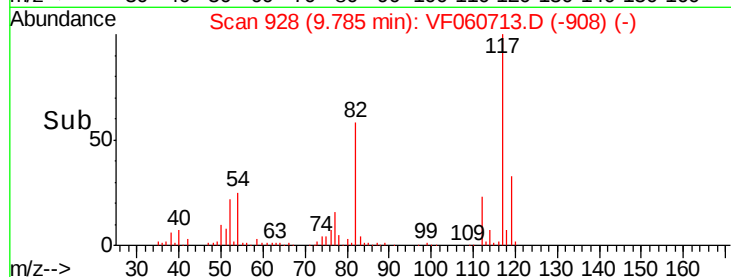
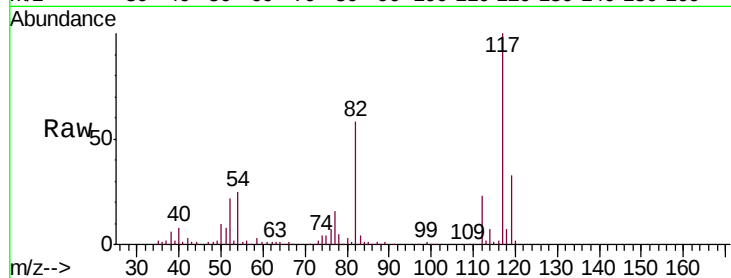




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

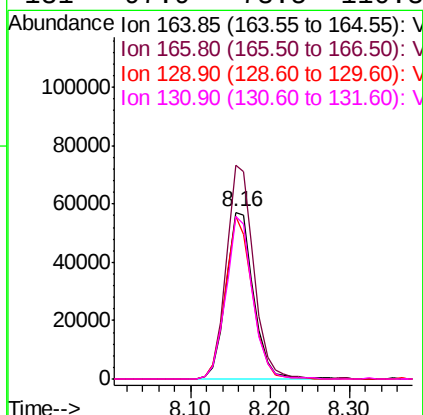
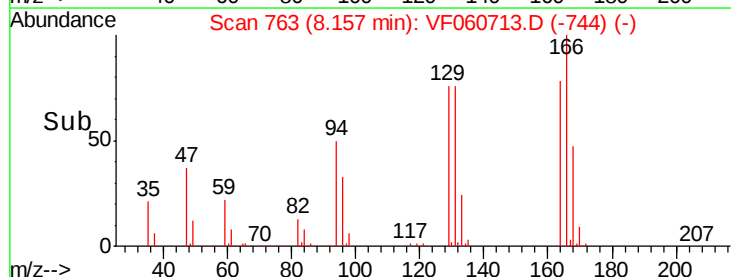
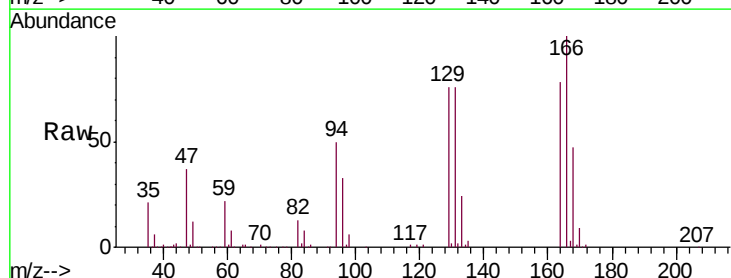
Instrument :
MSVOA_F
ClientSampleId :
BFB

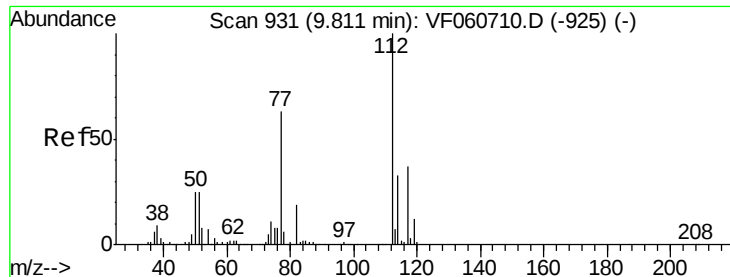
Tgt Ion:117 Resp: 373393
Ion Ratio Lower Upper
117 100
82 58.1 47.9 71.9
119 32.6 26.8 40.2



#64
Tetrachloroethene
Concen: 46.906 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.02 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Tgt Ion:164 Resp: 138694
Ion Ratio Lower Upper
164 100
166 128.2 103.5 155.3
129 97.3 77.4 116.2
131 97.9 73.5 110.3

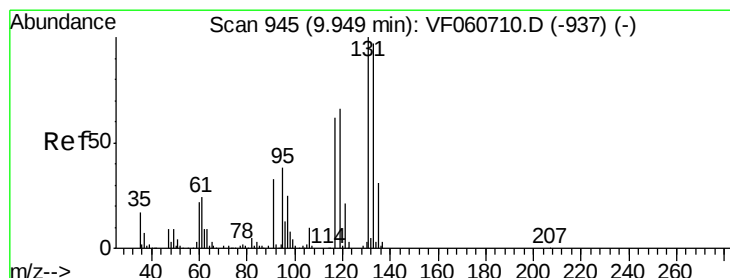
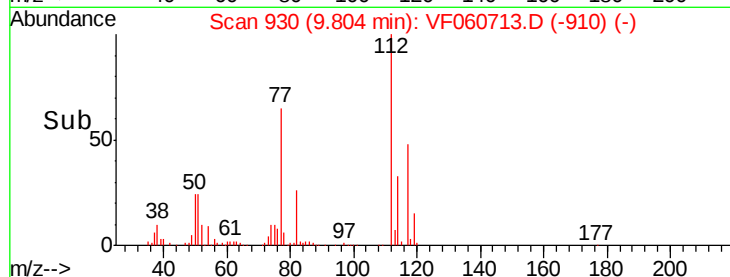
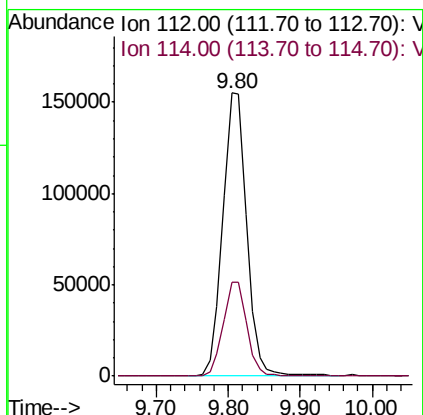
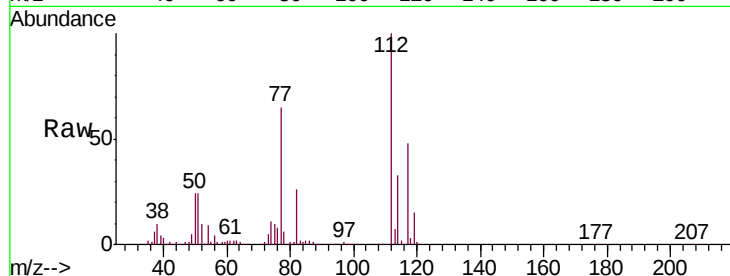




#65
Chlorobenzene
Concen: 47.524 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

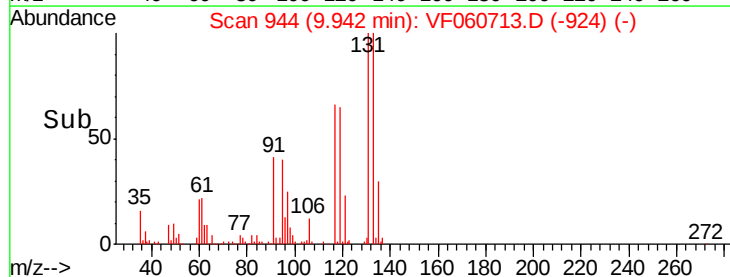
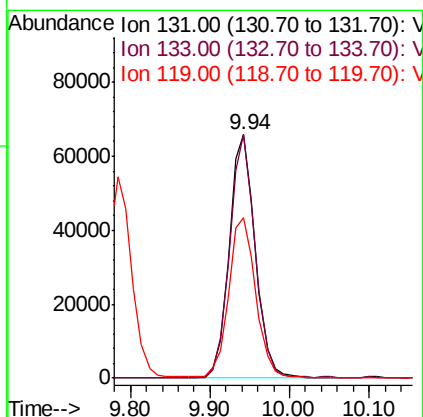
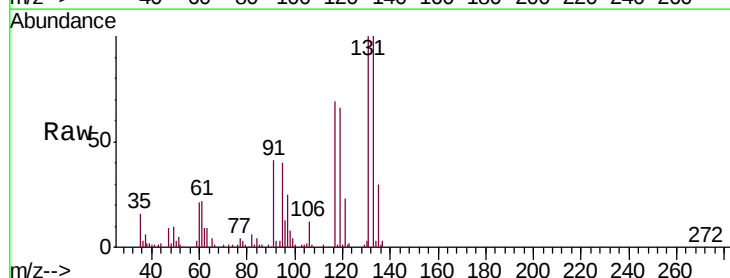
Instrument :
MSVOA_F
ClientSampleId :
BFB

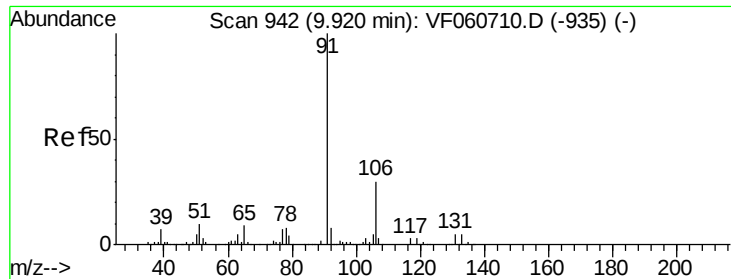
Tgt Ion:112 Resp: 358081
Ion Ratio Lower Upper
112 100
114 33.0 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 45.616 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Tgt Ion:131 Resp: 149913
Ion Ratio Lower Upper
131 100
133 99.9 48.3 144.8
119 65.9 33.2 99.6





#67

Ethyl Benzene

Concen: 46.028 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

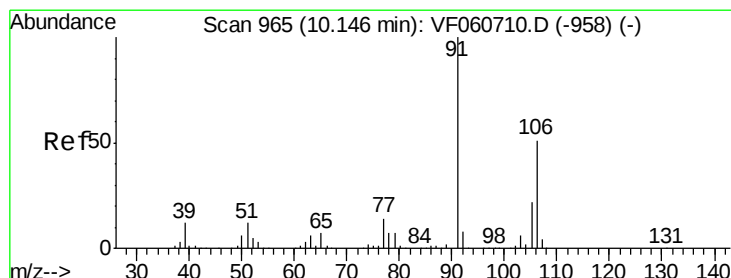
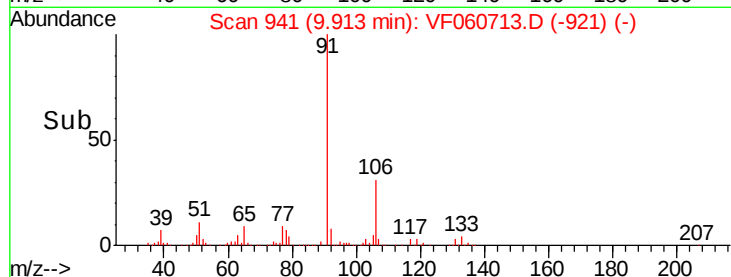
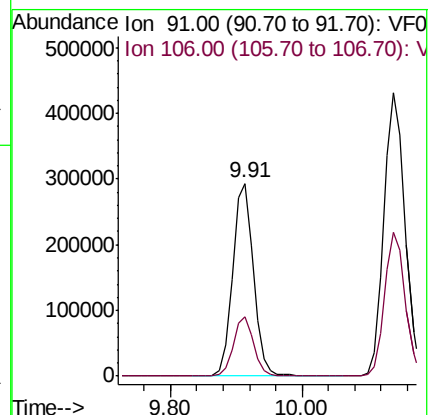
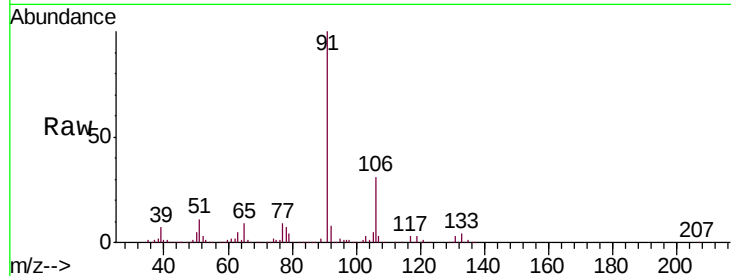
BFB

Tgt Ion: 91 Resp: 653723

Ion Ratio Lower Upper

91 100

106 30.6 23.9 35.9



#68

m/p-Xylenes

Concen: 94.169 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060713.D

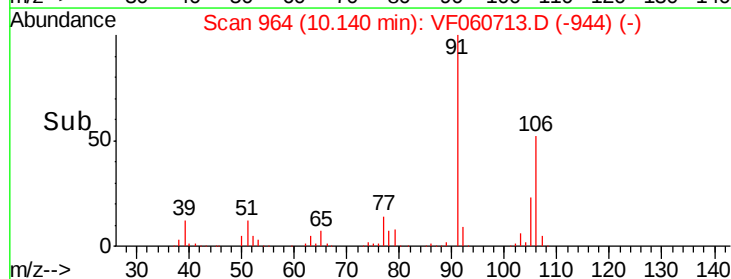
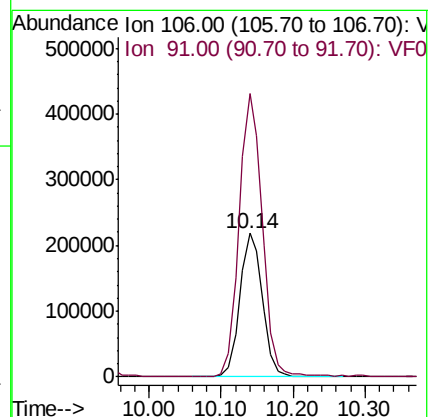
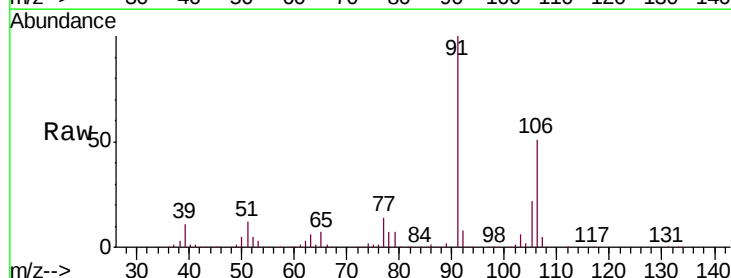
Acq: 13 Nov 2018 14:53

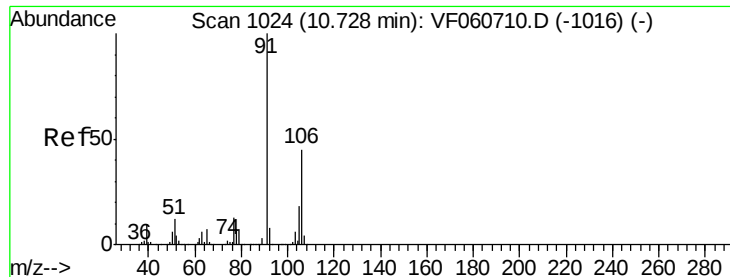
Tgt Ion: 106 Resp: 477967

Ion Ratio Lower Upper

106 100

91 197.3 158.2 237.2

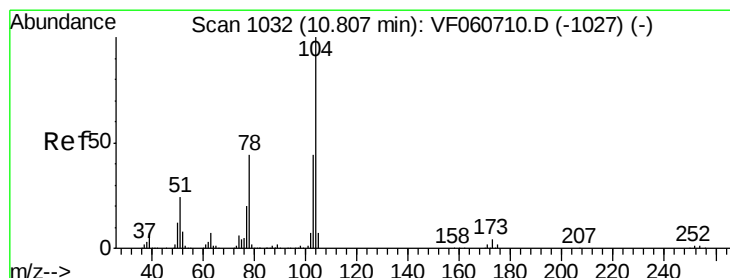
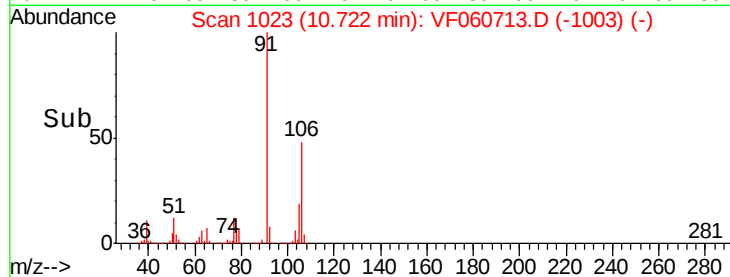
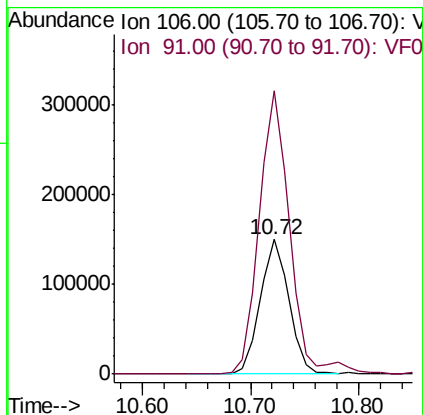
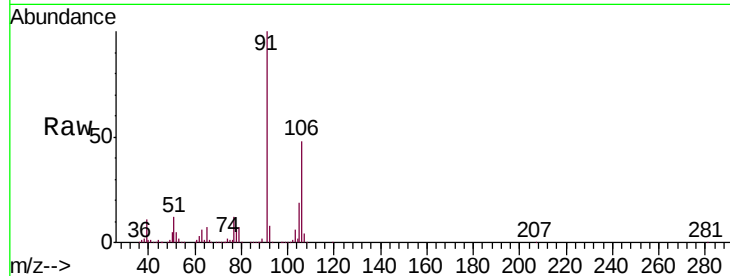




#69
o-Xylene
Concen: 48.445 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

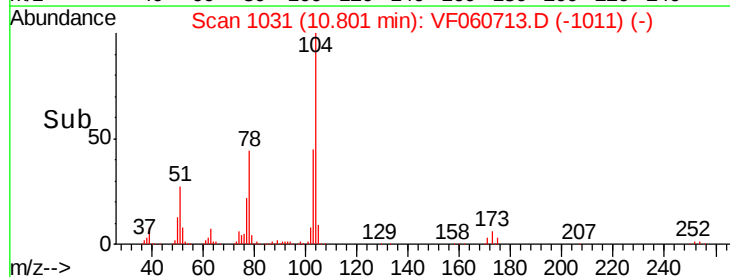
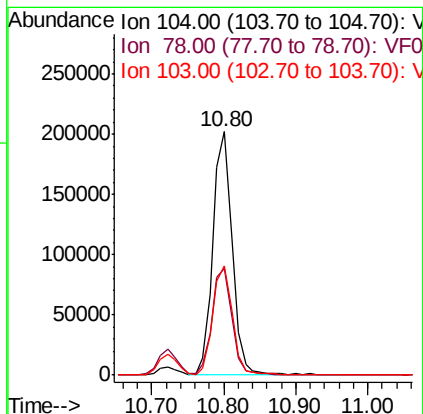
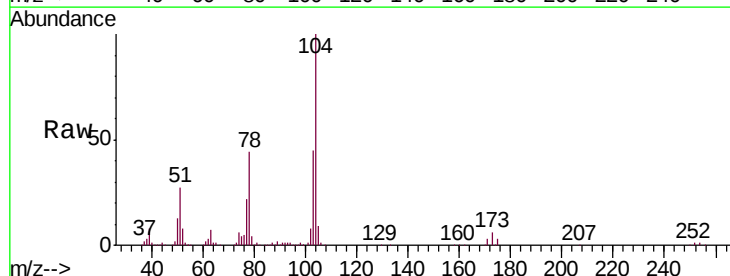
Instrument :
MSVOA_F
ClientSampleId :
BFB

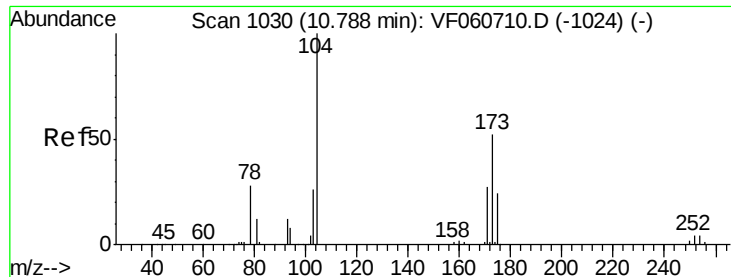
Tgt Ion:106 Resp: 276448
Ion Ratio Lower Upper
106 100
91 210.3 110.3 330.9



#70
Styrene
Concen: 47.607 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Tgt Ion:104 Resp: 368689
Ion Ratio Lower Upper
104 100
78 44.0 35.4 53.2
103 44.9 35.8 53.6





#71

Bromoform

Concen: 48.181 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampled :

BFB

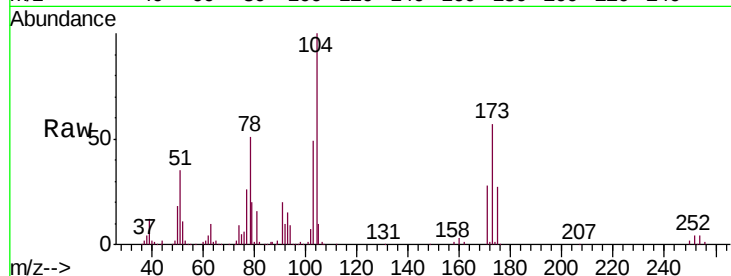
Tgt Ion:173 Resp: 71204

Ion Ratio Lower Upper

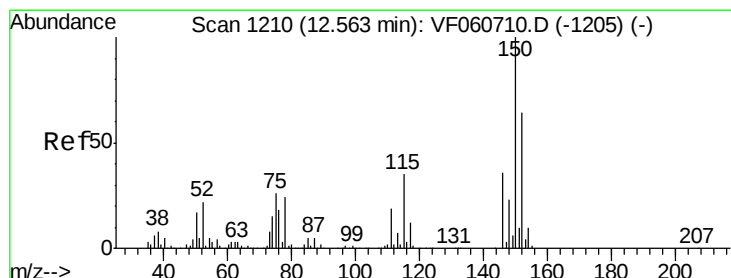
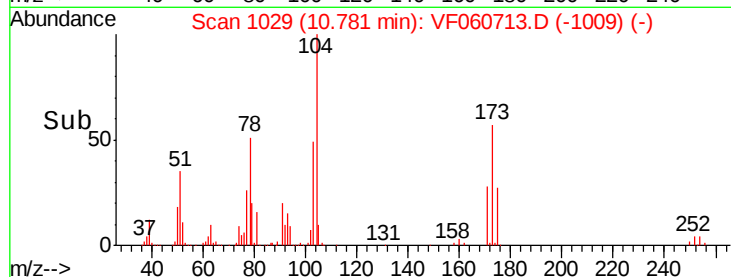
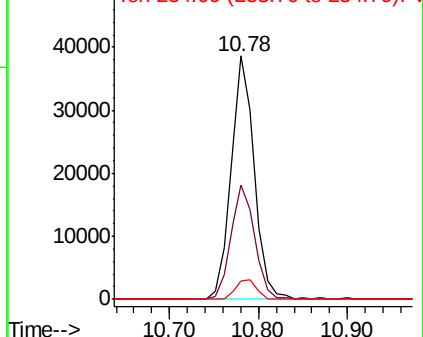
173 100

175 47.1 23.4 70.0

254 7.5 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: 12.56 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

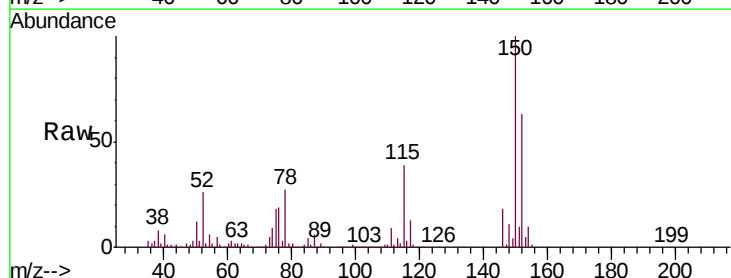
Tgt Ion:152 Resp: 207755

Ion Ratio Lower Upper

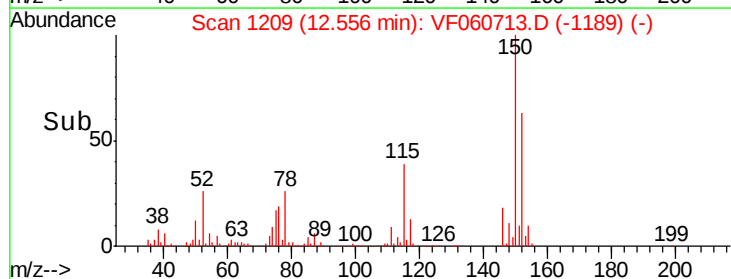
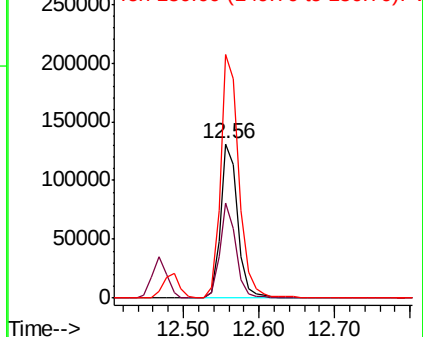
152 100

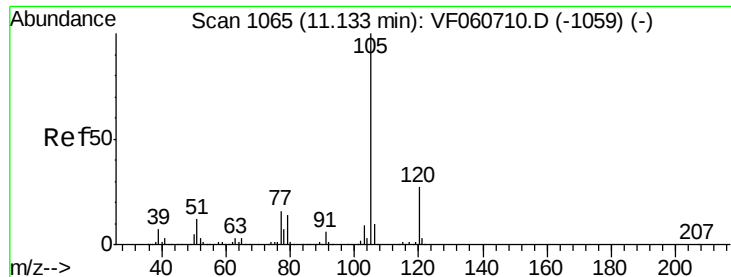
115 61.8 27.9 83.7

150 157.8 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: 46.492 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

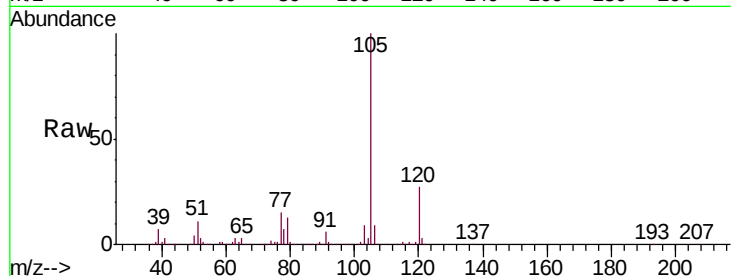
BFB

Tgt Ion:105 Resp: 777472

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.14

400000

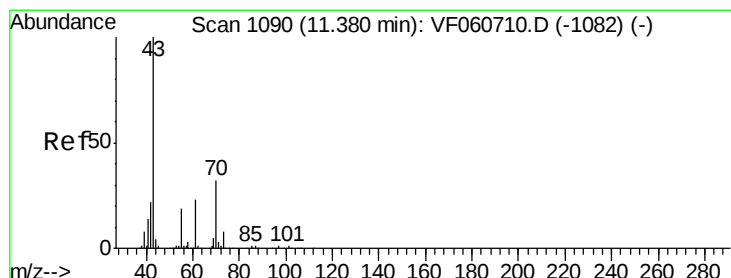
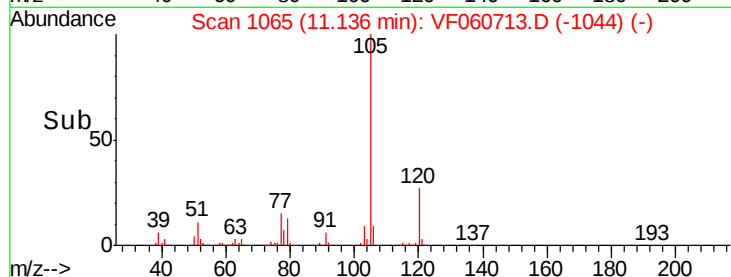
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 54.386 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Tgt Ion: 43 Resp: 207043

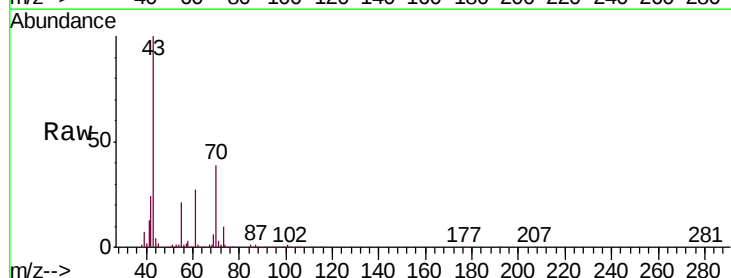
Ion Ratio Lower Upper

43 100

70 39.4 25.5 38.3#

55 20.9 14.9 22.3

61 27.2 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

11.38

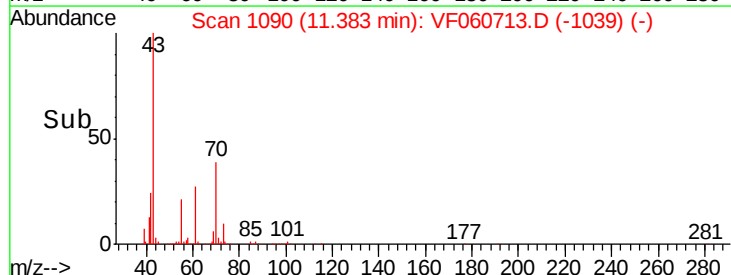
150000

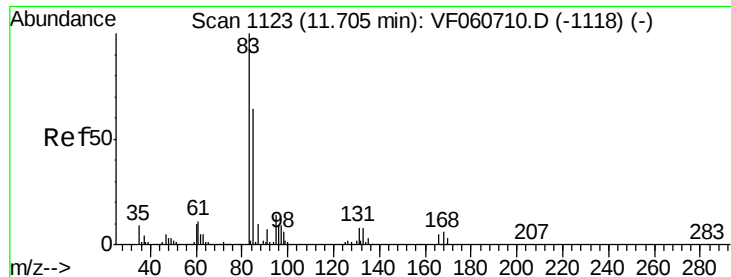
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.288 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampled :

BFB

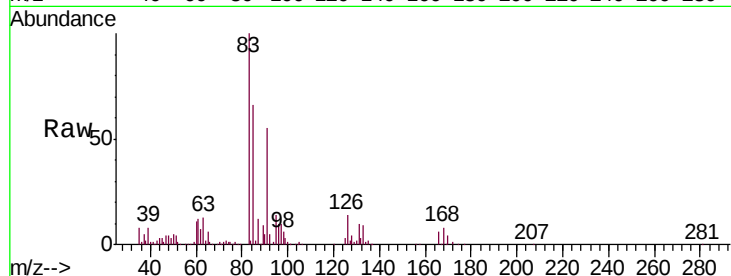
Tgt Ion: 83 Resp: 133505

Ion Ratio Lower Upper

83 100

131 9.6 4.2 12.4

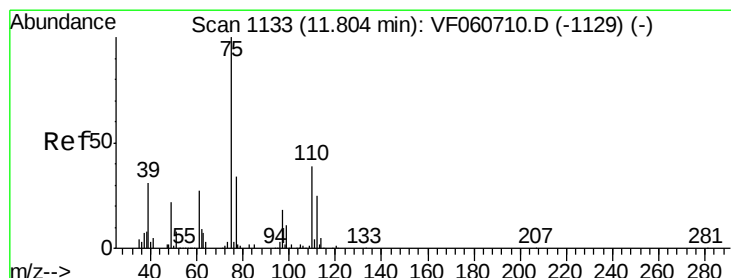
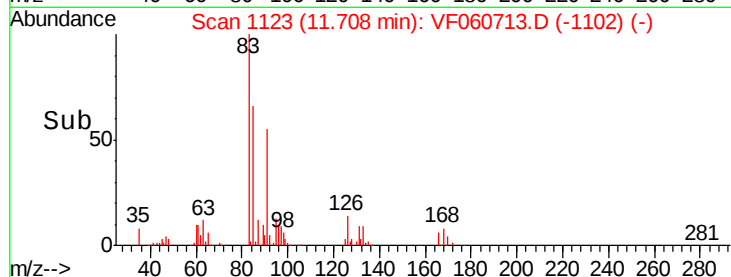
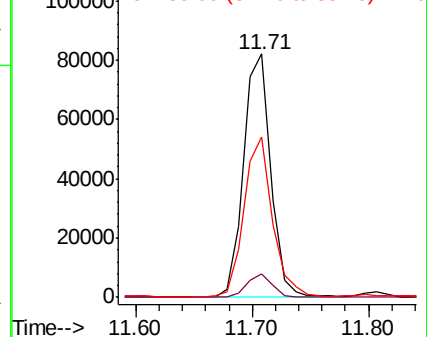
85 65.8 32.0 96.2



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: 44.643 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060713.D

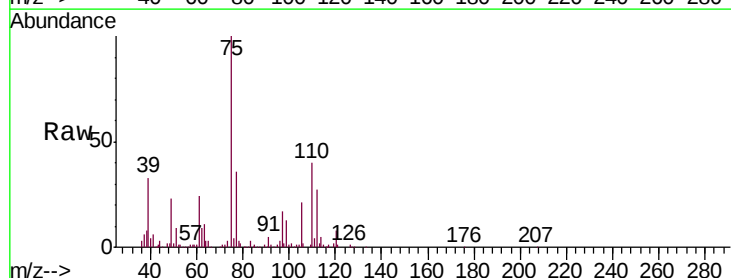
Acq: 13 Nov 2018 14:53

Tgt Ion: 75 Resp: 91667

Ion Ratio Lower Upper

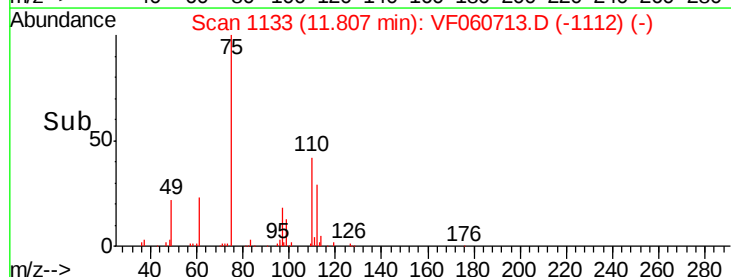
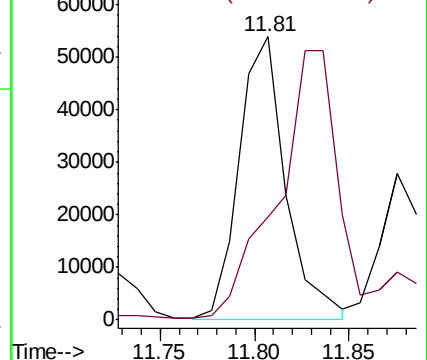
75 100

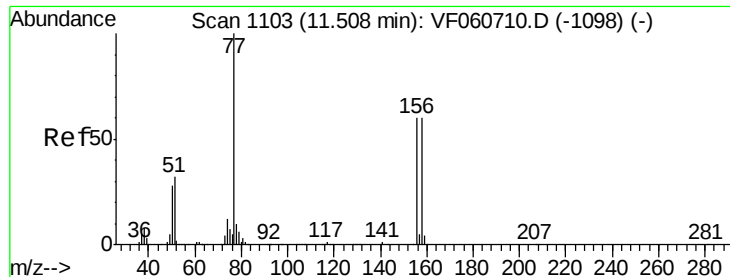
77 36.3 17.0 51.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

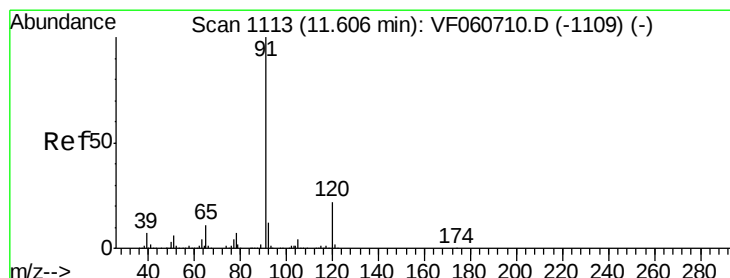
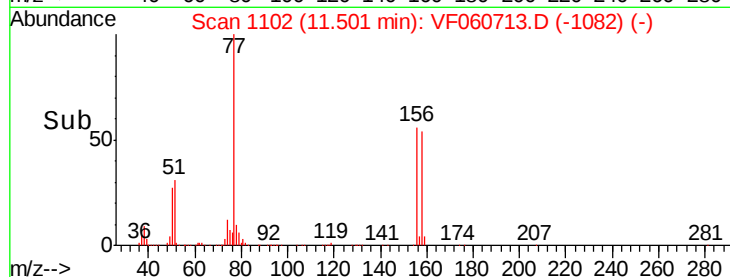
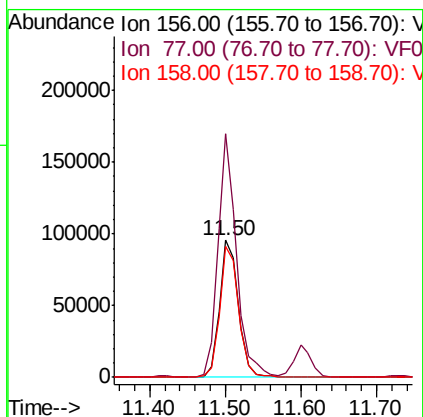
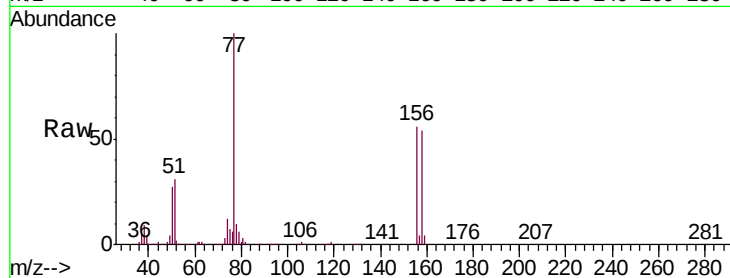




#77
Bromobenzene
Concen: 47.944 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

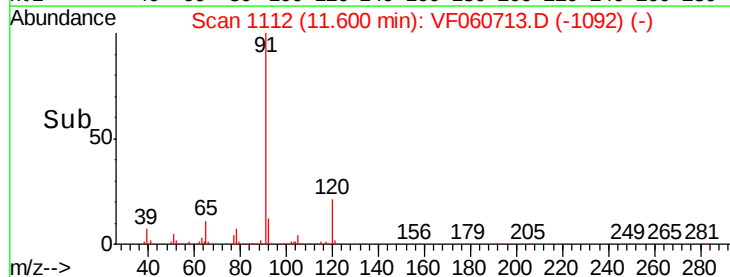
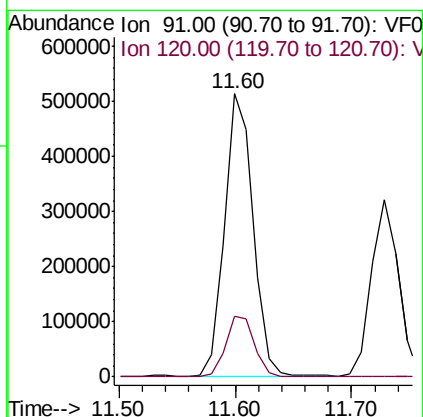
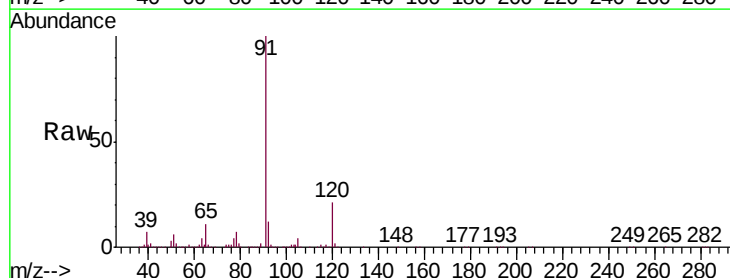
Instrument :
MSVOA_F
ClientSampled :
BFB

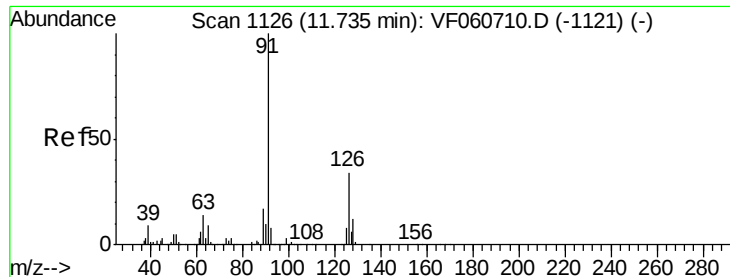
Tgt Ion: 156 Resp: 166890
Ion Ratio Lower Upper
156 100
77 177.7 83.0 248.9
158 95.8 49.6 149.0



#78
n-propylbenzene
Concen: 44.644 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Tgt Ion: 91 Resp: 870723
Ion Ratio Lower Upper
91 100
120 21.2 11.2 33.5





#79

2-Chlorotoluene

Concen: 45.520 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

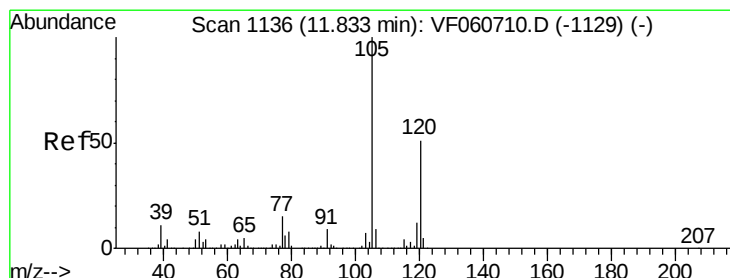
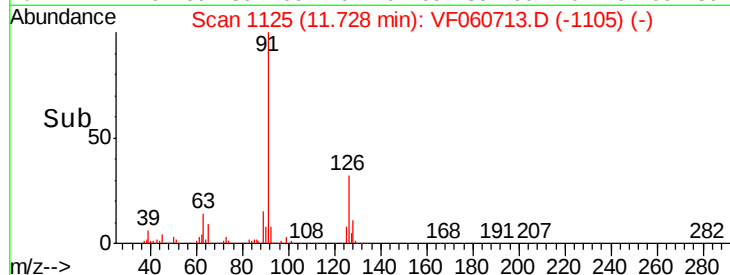
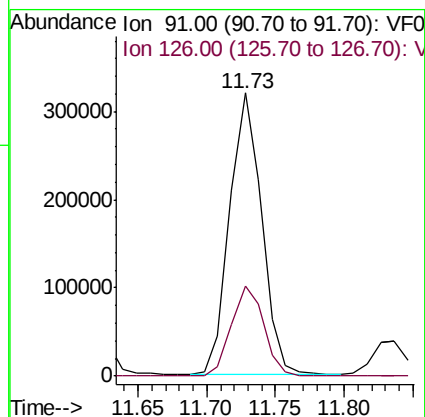
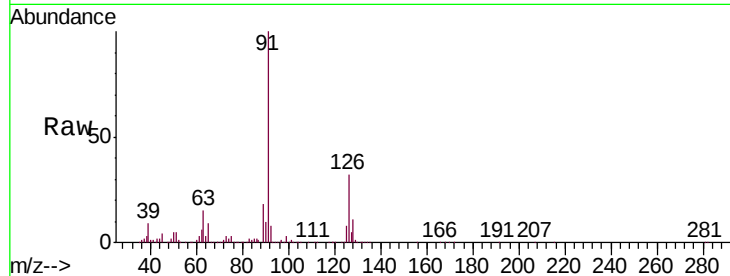
BFB

Tgt Ion: 91 Resp: 516000

Ion Ratio Lower Upper

91 100

126 32.0 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 45.934 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060713.D

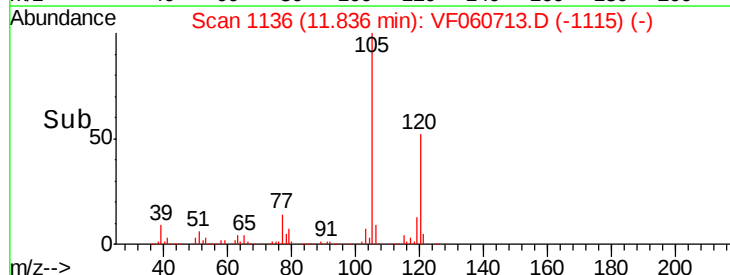
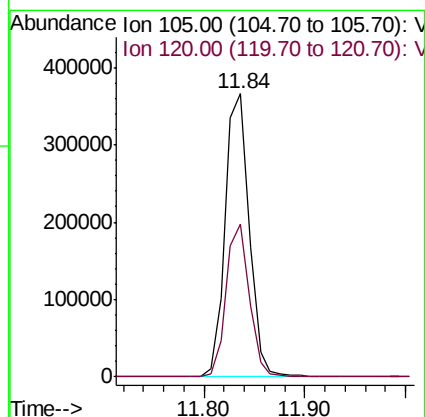
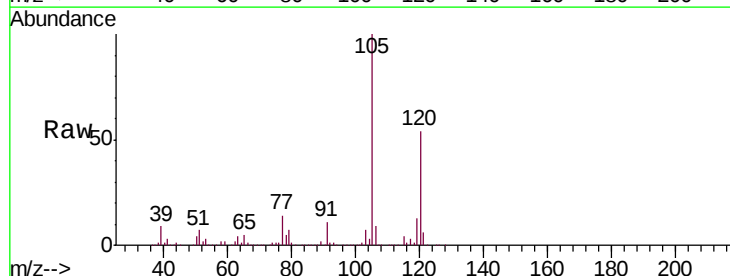
Acq: 13 Nov 2018 14:53

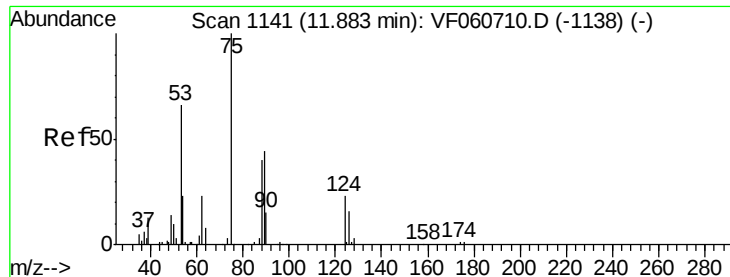
Tgt Ion: 105 Resp: 609842

Ion Ratio Lower Upper

105 100

120 53.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 60.540 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampled :

BFB

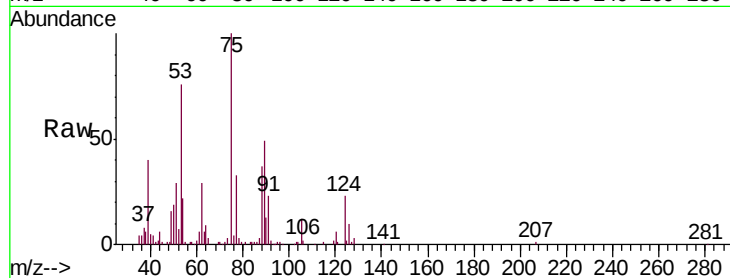
Tgt Ion: 75 Resp: 61072

Ion Ratio Lower Upper

75 100

53 76.0 57.0 85.4

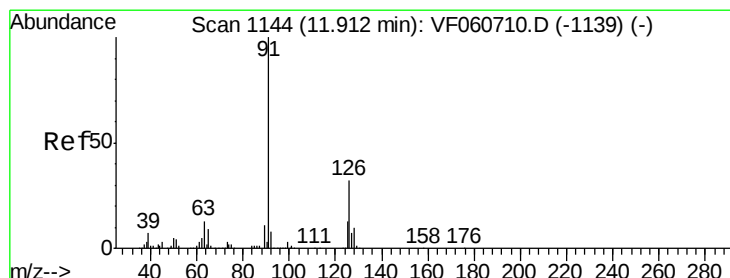
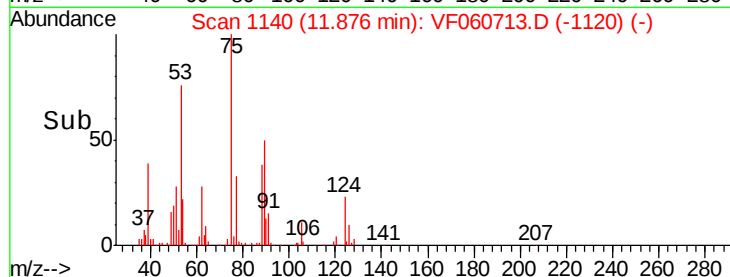
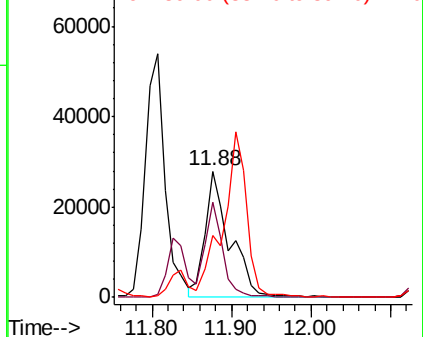
89 49.4 37.8 56.8



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: 45.261 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060713.D

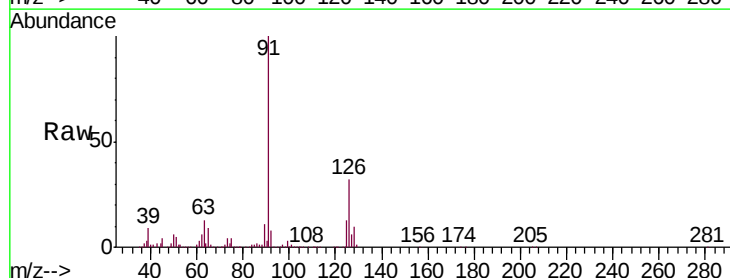
Acq: 13 Nov 2018 14:53

Tgt Ion: 91 Resp: 525608

Ion Ratio Lower Upper

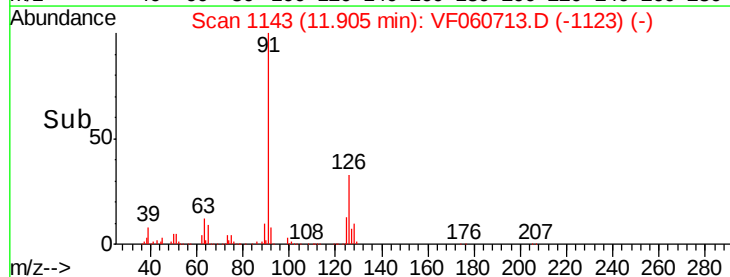
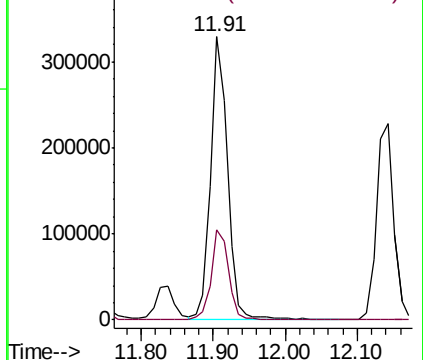
91 100

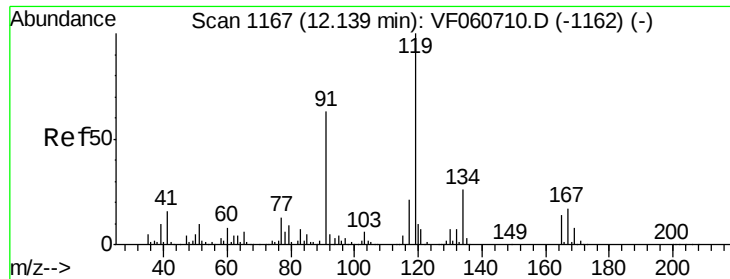
126 31.9 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

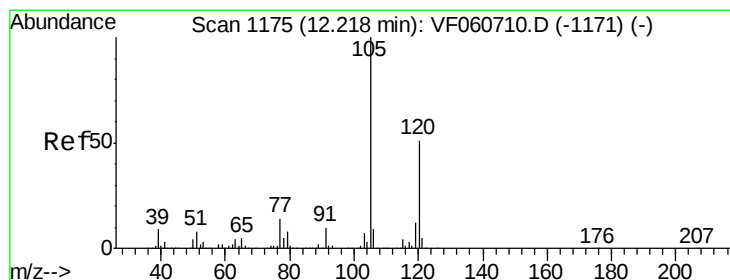
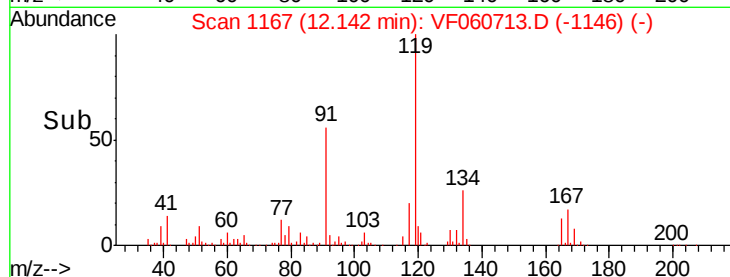
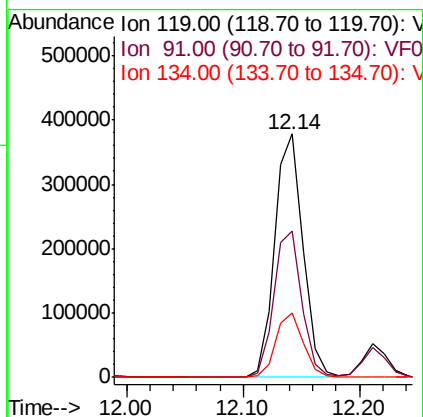
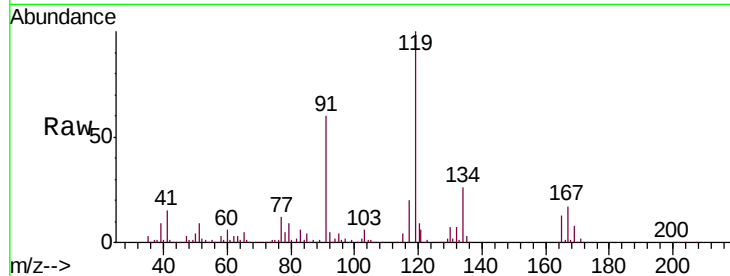




#83
 tert-Butylbenzene
 Concen: 44.890 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VF060713.D
 Acq: 13 Nov 2018 14:53

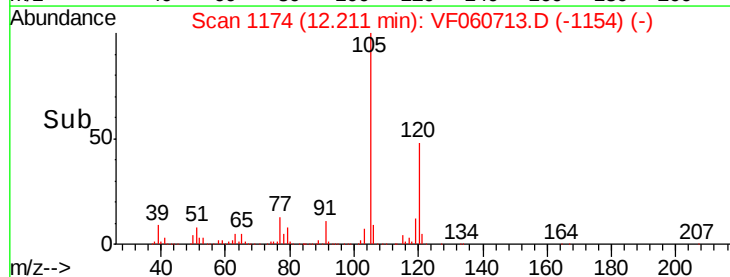
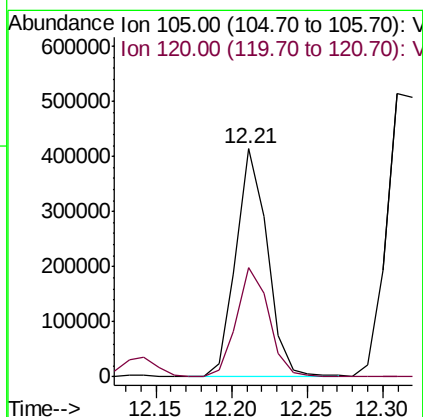
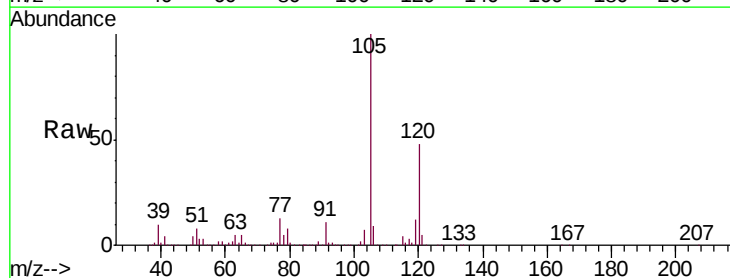
Instrument :
 MSVOA_F
 ClientSampled :
 BFB

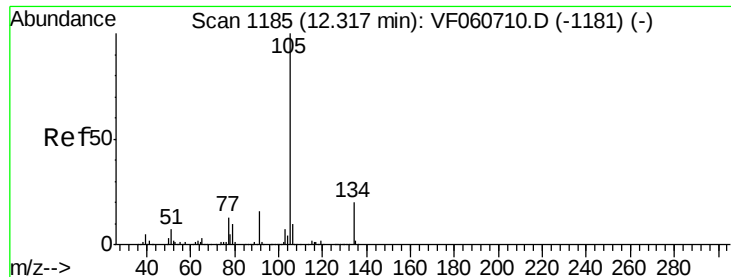
Tgt Ion:119 Resp: 632794
 Ion Ratio Lower Upper
 119 100
 91 60.2 31.4 94.3
 134 26.4 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 43.760 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060713.D
 Acq: 13 Nov 2018 14:53

Tgt Ion:105 Resp: 600858
 Ion Ratio Lower Upper
 105 100
 120 47.8 25.5 76.5





#85

sec-Butylbenzene

Concen: 44.934 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampled :

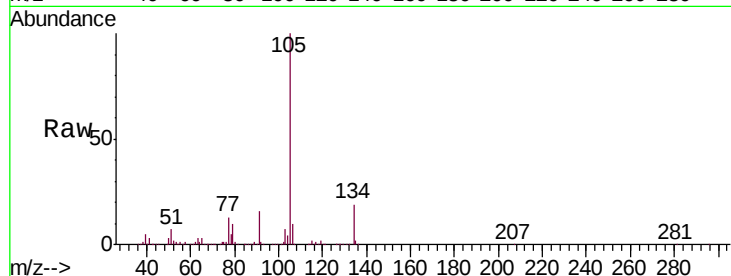
BFB

Tgt Ion:105 Resp: 859244

Ion Ratio Lower Upper

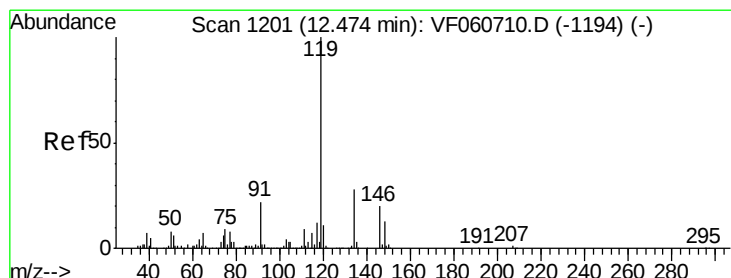
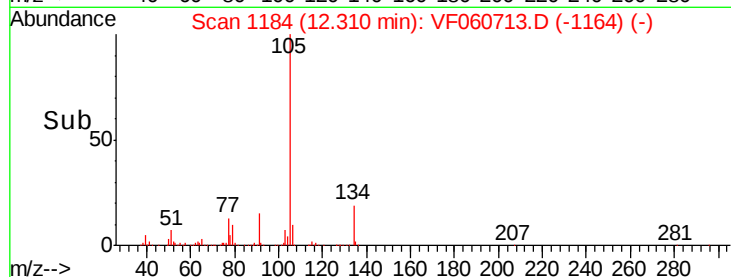
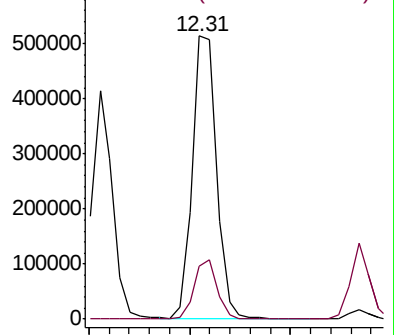
105 100

134 18.9 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 43.964 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

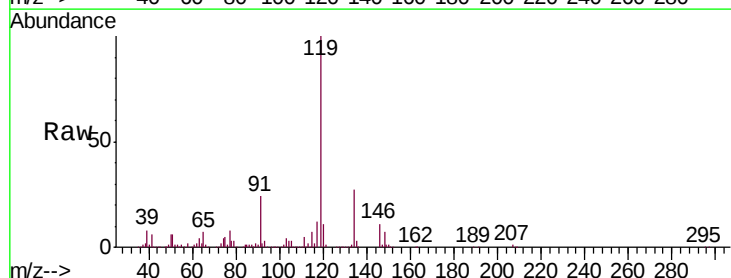
Tgt Ion:119 Resp: 702138

Ion Ratio Lower Upper

119 100

134 27.2 13.9 41.7

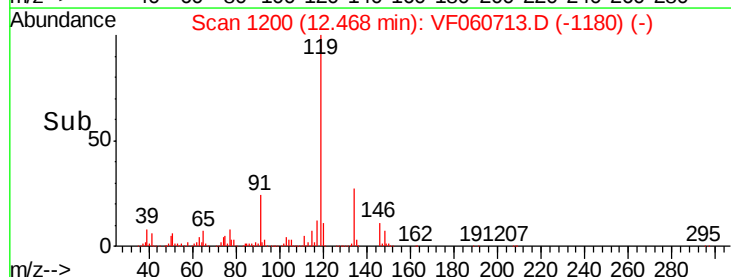
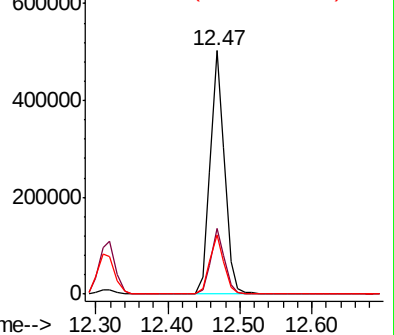
91 24.1 11.3 33.9

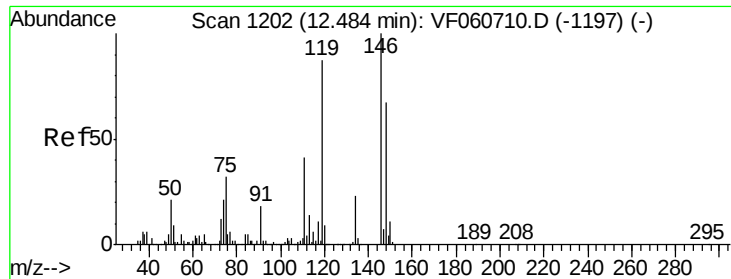


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

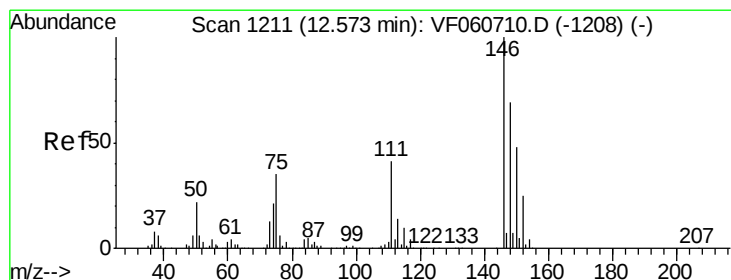
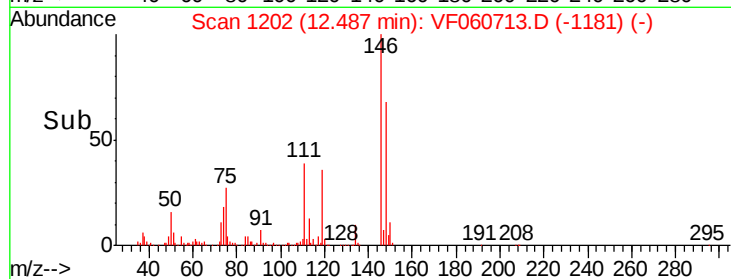
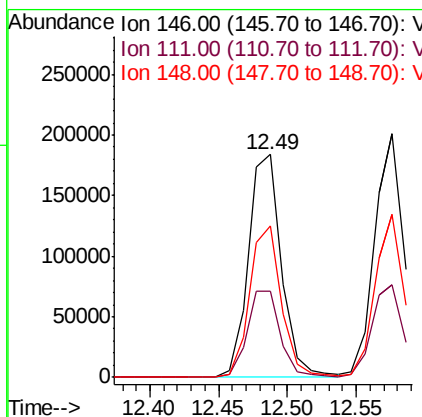
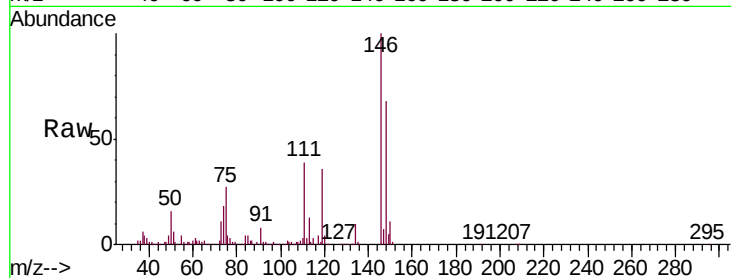




#87
 1,3-Dichlorobenzene
 Concen: 44.581 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF060713.D
 Acq: 13 Nov 2018 14:53

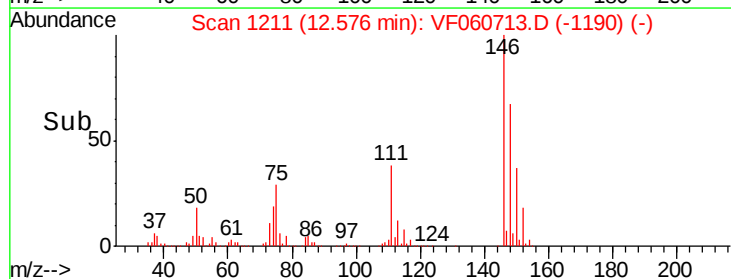
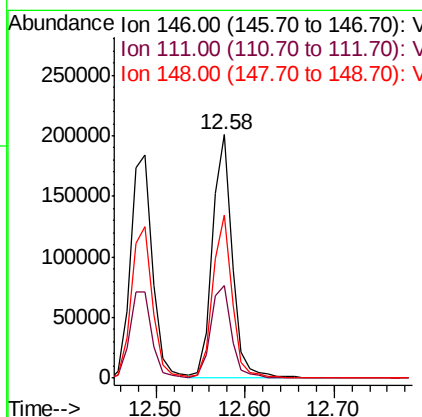
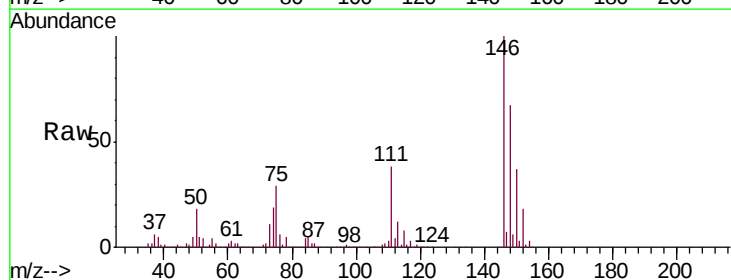
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

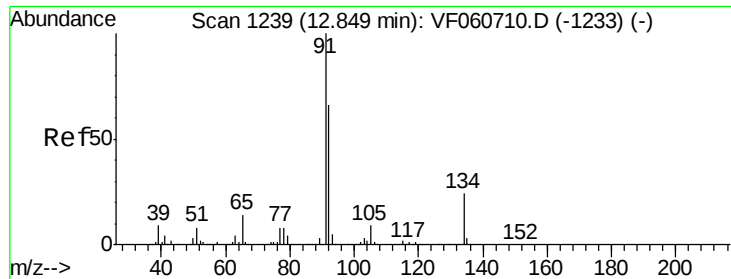
Tgt Ion:146 Resp: 308823
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.3 60.8
 148 68.0 33.3 99.9



#88
 1,4-Dichlorobenzene
 Concen: 46.516 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF060713.D
 Acq: 13 Nov 2018 14:53

Tgt Ion:146 Resp: 309693
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.6 61.9
 148 67.2 34.7 104.1





#89

n-Butylbenzene

Concen: 43.728 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

BFB

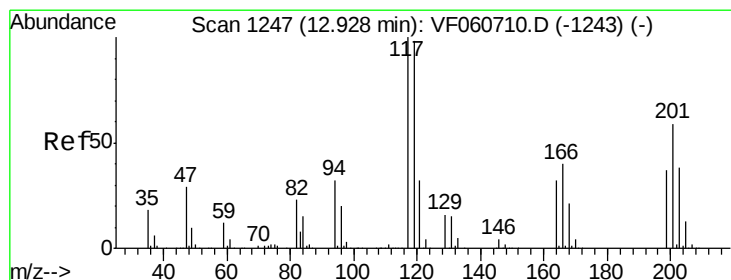
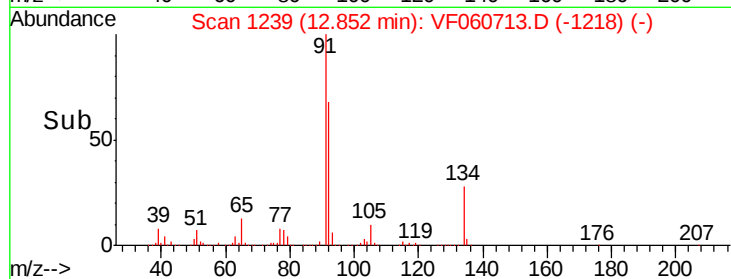
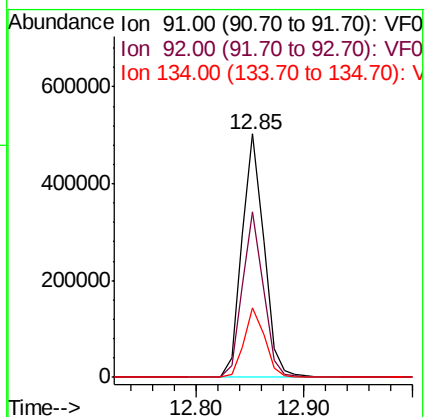
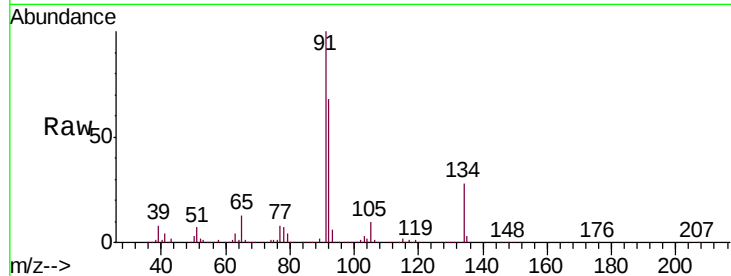
Tgt Ion: 91 Resp: 712694

Ion Ratio Lower Upper

91 100

92 68.2 33.1 99.2

134 28.5 11.9 35.9



#90

Hexachloroethane

Concen: 46.095 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VF060713.D

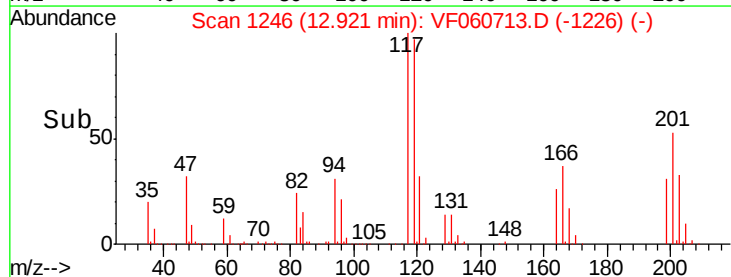
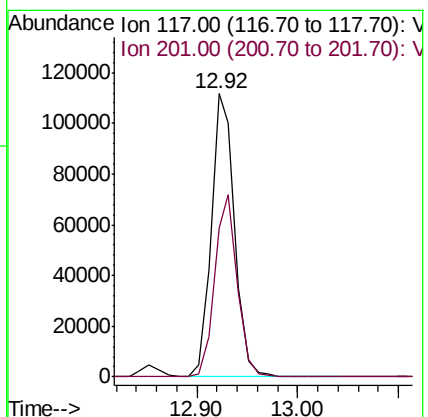
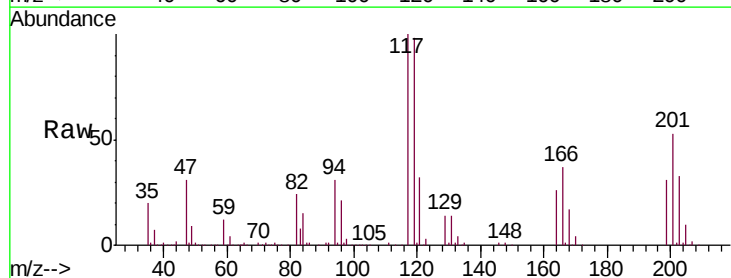
Acq: 13 Nov 2018 14:53

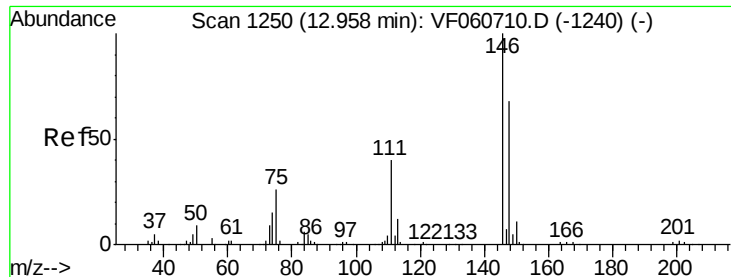
Tgt Ion: 117 Resp: 180061

Ion Ratio Lower Upper

117 100

201 52.9 29.4 88.3





#91

1,2-Dichlorobenzene

Concen: 44.454 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

Instrument :

MSVOA_F

ClientSampled :

BFB

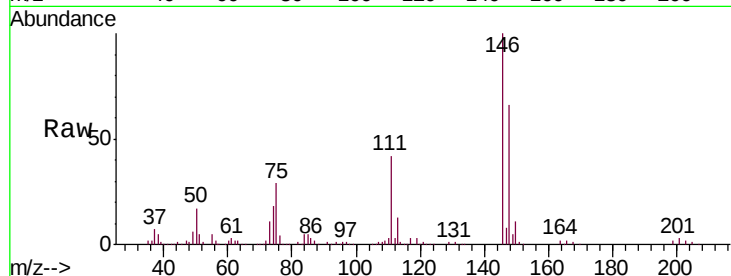
Tgt Ion:146 Resp: 289947

Ion Ratio Lower Upper

146 100

111 42.0 20.3 60.8

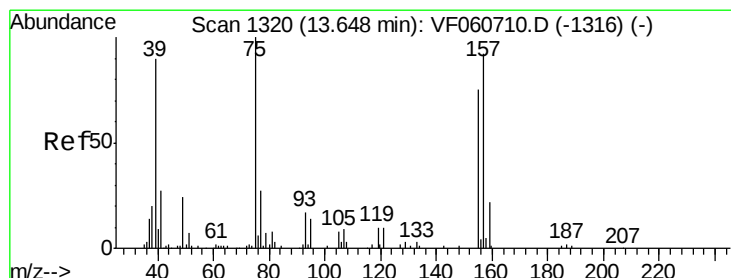
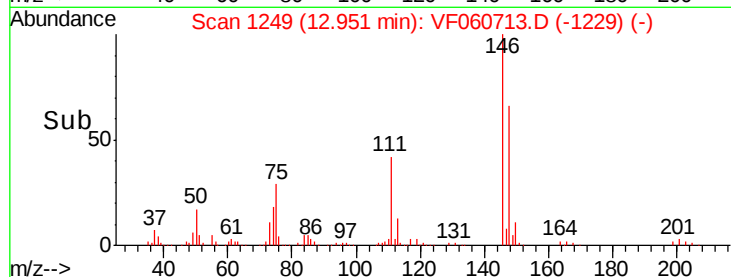
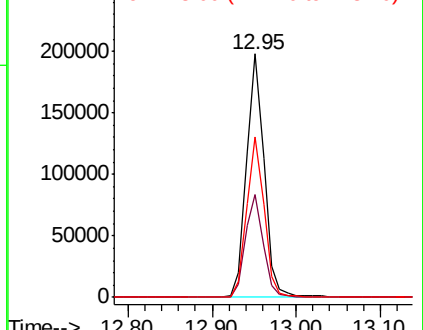
148 66.1 34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.229 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VF060713.D

Acq: 13 Nov 2018 14:53

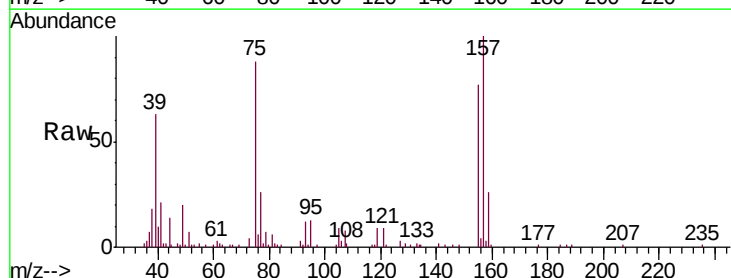
Tgt Ion: 75 Resp: 23503

Ion Ratio Lower Upper

75 100

155 87.3 37.4 112.2

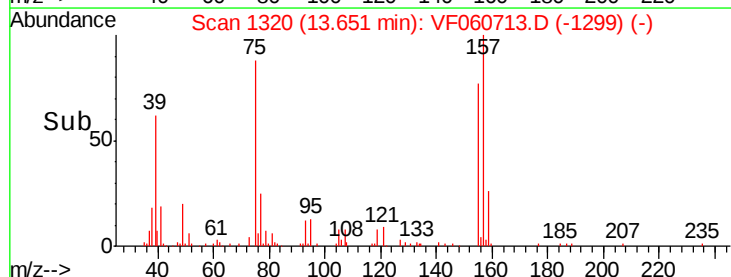
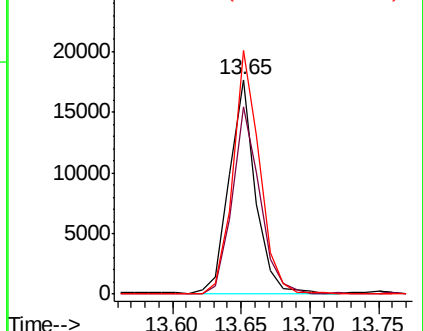
157 113.5 46.0 138.0

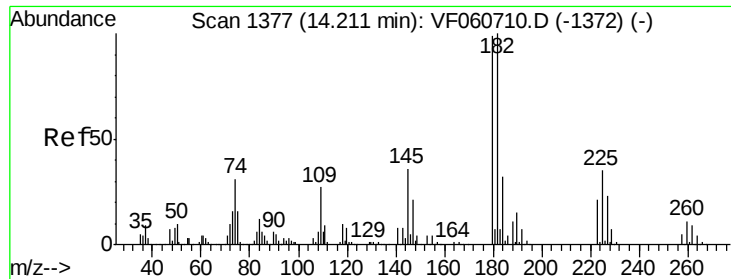


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

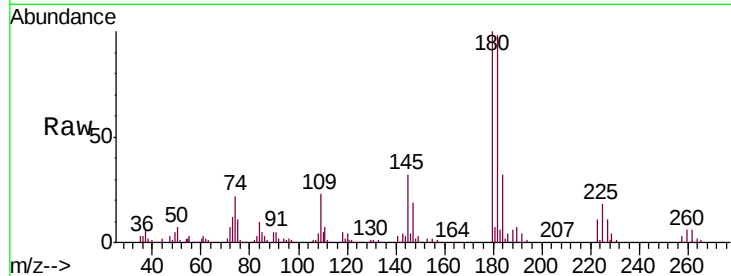




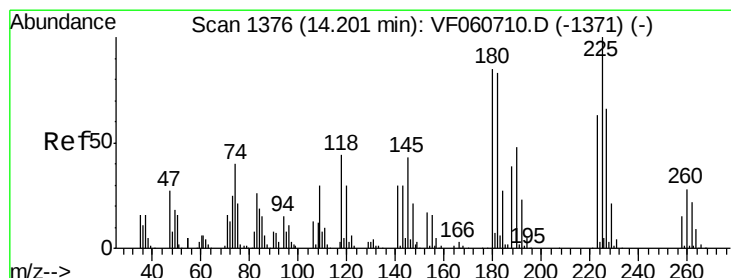
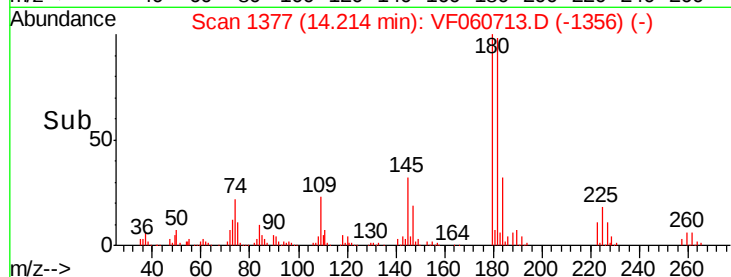
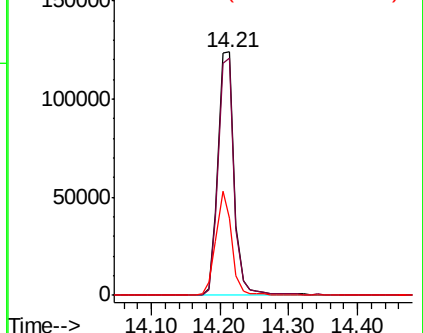
#93
 1,2,4-Trichlorobenzene
 Concen: 43.987 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060713.D
 Acq: 13 Nov 2018 14:53

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 206213
 Ion Ratio Lower Upper
 180 100
 182 97.5 50.3 151.0
 145 31.7 18.3 54.9

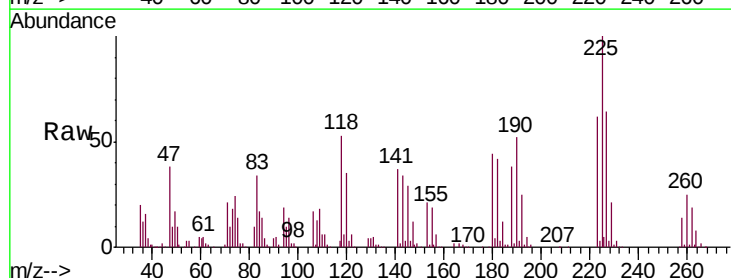


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

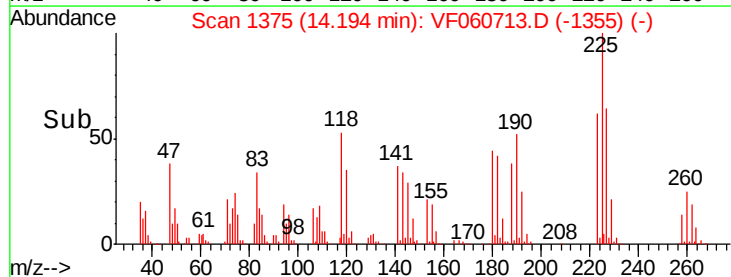
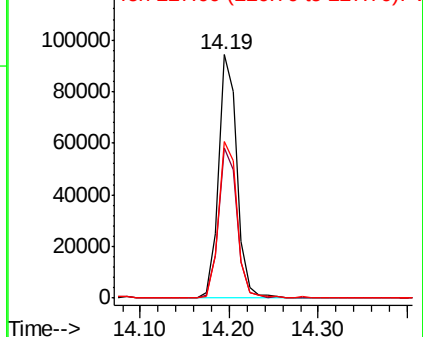


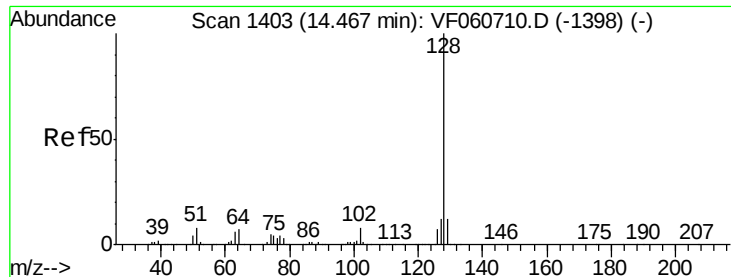
#94
 Hexachlorobutadiene
 Concen: 44.861 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060713.D
 Acq: 13 Nov 2018 14:53

Tgt Ion:225 Resp: 137431
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.5 94.5
 227 64.5 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

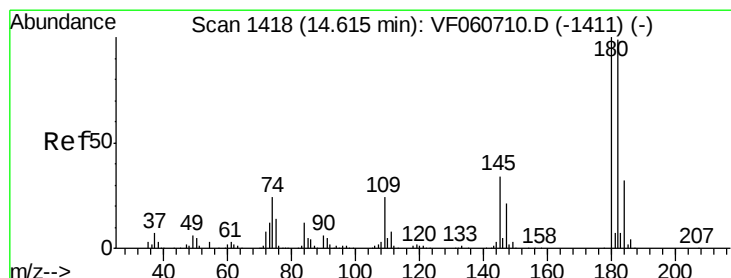
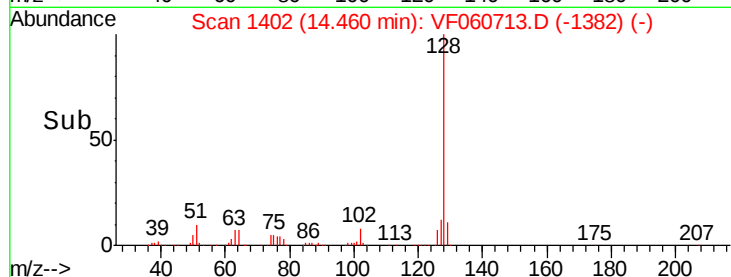
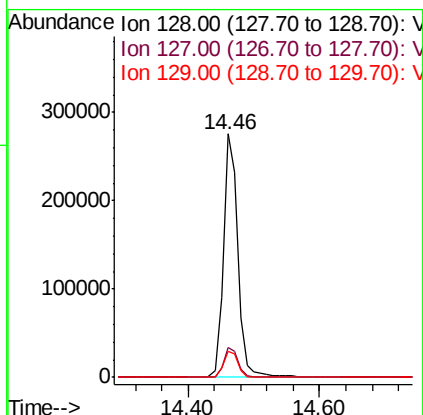
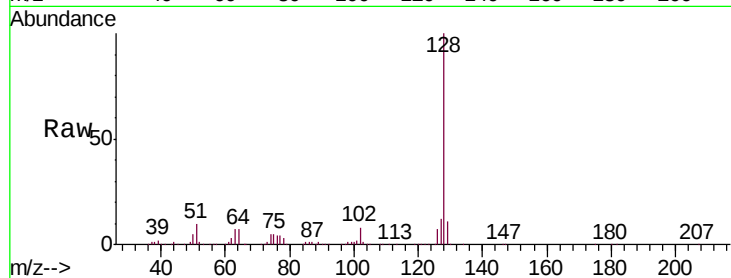




#95
Naphthalene
Concen: 49.332 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion:128 Resp: 421996
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.6
129 10.7 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 45.375 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060713.D
Acq: 13 Nov 2018 14:53

Tgt Ion:180 Resp: 196564
Ion Ratio Lower Upper
180 100
182 96.9 49.6 149.0
145 36.0 16.9 50.7

