

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
 Data File : VF060285.D
 Acq On : 19 Sep 2018 17:40
 Operator : VA/AP
 Sample : VF0919SBL01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Quant Time: Sep 20 04:13:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	273762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	392620	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	362512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	199553	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	183374	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	4.28	113	216780	61.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.88%	
50) Toluene-d8	7.70	98	485194	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
62) 4-Bromofluorobenzene	11.51	95	211756	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	

Target Compounds				Qvalue
2) Dichlorodifluoromethane	1.01	85	1083	Below Cal # 22
3) Chloromethane	1.26	50	368	0.099 ug/l # 96
4) Vinyl Chloride	1.17	62	396	0.104 ug/l # 43
5) Bromomethane	1.22	94	638	Below Cal # 89
6) Chloroethane	1.44	64	76	0.042 ug/l # 1
7) Trichlorofluoromethane	1.52	101	428	0.060 ug/l # 18
8) Diethyl Ether	1.82	74	324	0.275 ug/l # 57
9) 1,1,2-Trichlorotrifluoroet	1.89	101	74	0.020 ug/l # 14
10) Methyl Iodide	1.98	142	70	0.012 ug/l # 1
11) Tert butyl alcohol	2.67	59	2570	Below Cal # 1
12) 1,1-Dichloroethene	1.83	96	477	0.153 ug/l # 13
13) Acrolein	2.10	56	1194	Below Cal # 55
14) Allyl chloride	2.20	41	2700	0.497 ug/l # 53
15) Acrylonitrile	3.06	53	3298	6.335 ug/l # 86
16) Acetone	2.33	43	9364	9.020 ug/l # 92
17) Carbon Disulfide	1.91	76	201	Below Cal # 1
18) Methyl Acetate	2.45	43	2156	1.247 ug/l # 87
19) Methyl tert-butyl Ether	2.55	73	936	0.121 ug/l # 1
20) Methylene Chloride	2.27	84	6008	Below Cal # 86
21) trans-1,2-Dichloroethene	2.42	96	793	0.246 ug/l # 7
22) Diisopropyl ether	2.91	45	5219	0.509 ug/l # 30
23) Vinyl Acetate	3.32	43	2274	0.564 ug/l # 79
24) 1,1-Dichloroethane	2.93	63	481	0.072 ug/l # 1
25) 2-Butanone	4.50	43	14894	10.659 ug/l # 92
26) 2,2-Dichloropropane	3.70	77	770	0.203 ug/l # 91
27) cis-1,2-Dichloroethene	3.63	96	633	0.150 ug/l # 9
28) Bromochloromethane	3.87	49	214	0.083 ug/l # 8
29) Tetrahydrofuran	4.24	42	1796	3.510 ug/l # 62
30) Chloroform	4.15	83	350	0.044 ug/l # 96
31) Cyclohexane	3.88	56	255	0.045 ug/l # 91
32) 1,1,1-Trichloroethane	4.24	97	475	0.075 ug/l # 49
36) 1,1-Dichloropropene	4.44	75	1074	0.219 ug/l # 66
37) Ethyl Acetate	4.28	43	5087	2.455 ug/l # 12
38) Carbon Tetrachloride	4.17	117	124	0.024 ug/l # 14

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.60	83	393	0.074	ug/l #	1
40) Benzene	4.80	78	1249	0.112	ug/l #	89
41) Methacrylonitrile	4.92	41	1197	1.065	ug/l #	81
42) 1,2-Dichloroethane	4.95	62	78	0.019	ug/l	79
43) Isopropyl Acetate	7.10	43	15945	6.392	ug/l #	95
44) Trichloroethene	5.66	130	381	0.115	ug/l	39
45) 1,2-Dichloropropane	6.38	63	201	0.070	ug/l #	1
46) Dibromomethane	6.25	93	172	0.084	ug/l #	20
47) Bromodichloromethane	6.53	83	258	0.052	ug/l #	75
48) Methyl methacrylate	6.88	41	4694	2.680	ug/l #	81
49) 1,4-Dioxane	6.87	88	956	61.106	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	89565	46.582	ug/l	95
52) Toluene	7.76	92	1395	0.199	ug/l #	43
53) t-1,3-Dichloropropene	8.43	75	1118	0.281	ug/l #	80
54) cis-1,3-Dichloropropene	7.45	75	714	0.142	ug/l #	1
55) 1,1,2-Trichloroethane	8.61	97	636	0.298	ug/l #	59
56) Ethyl methacrylate	8.75	69	20553	7.981	ug/l #	88
57) 1,3-Dichloropropane	8.98	76	1674	0.474	ug/l #	85
58) 2-Chloroethyl Vinyl ether	7.78	63	70	0.307	ug/l	100
59) 2-Hexanone	9.63	43	116543	85.130	ug/l	94
60) Dibromochloromethane	8.86	129	195	0.061	ug/l #	13
61) 1,2-Dibromoethane	9.13	107	294	0.124	ug/l	83
64) Tetrachloroethene	8.29	164	279	0.085	ug/l #	83
65) Chlorobenzene	9.93	112	2186	0.266	ug/l #	76
66) 1,1,1,2-Tetrachloroethane	10.06	131	200	0.059	ug/l #	1
67) Ethyl Benzene	10.03	91	4779	0.315	ug/l #	83
68) m/p-Xylenes	10.27	106	3892	0.742	ug/l	88
69) o-Xylene	10.82	106	1379	0.234	ug/l	80
70) Styrene	10.90	104	5714	0.688	ug/l	95
71) Bromoform	10.87	173	391	0.209	ug/l #	31
73) Isopropylbenzene	11.23	105	4486	0.250	ug/l	77
74) N-amyl acetate	11.46	43	71483	18.712	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	716	0.226	ug/l #	65
76) 1,2,3-Trichloropropane	11.95	75	1629	0.717	ug/l	71
77) Bromobenzene	11.59	156	1529	0.396	ug/l	88
78) n-propylbenzene	11.69	91	8942	Below Cal		91
79) 2-Chlorotoluene	11.81	91	5648	0.467	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	5411	0.375	ug/l	87
81) trans-1,4-Dichloro-2-buten	11.95	75	1629	1.356	ug/l #	67
82) 4-Chlorotoluene	11.98	91	7703	0.634	ug/l	98
83) tert-Butylbenzene	12.22	119	2765	0.189	ug/l	89
84) 1,2,4-Trimethylbenzene	12.29	105	6586	0.450	ug/l	99
85) sec-Butylbenzene	12.39	105	6072	Below Cal		80
86) p-Isopropyltoluene	12.53	119	5957	Below Cal	#	85
87) 1,3-Dichlorobenzene	12.64	146	4432	0.614	ug/l	87
88) 1,4-Dichlorobenzene	12.64	146	4432	0.622	ug/l #	85
89) n-Butylbenzene	12.92	91	9200	Below Cal		97
90) Hexachloroethane	12.99	117	454	0.111	ug/l	81
91) 1,2-Dichlorobenzene	13.02	146	3733	0.542	ug/l	73
92) 1,2-Dibromo-3-Chloropropan	13.70	75	324	0.544	ug/l #	56

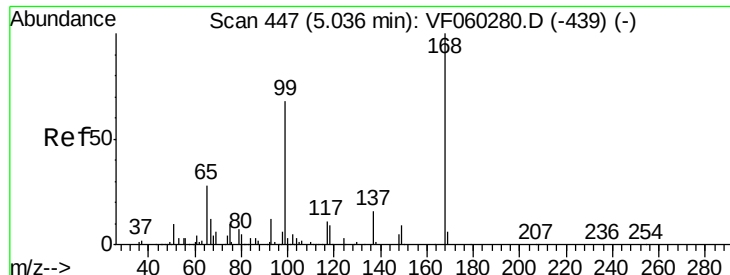
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	4847	0.969	ug/l	96
94) Hexachlorobutadiene	14.25	225	1024	0.303	ug/l	67
95) Naphthalene	14.52	128	84432	9.627	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	6154	1.331	ug/l	90

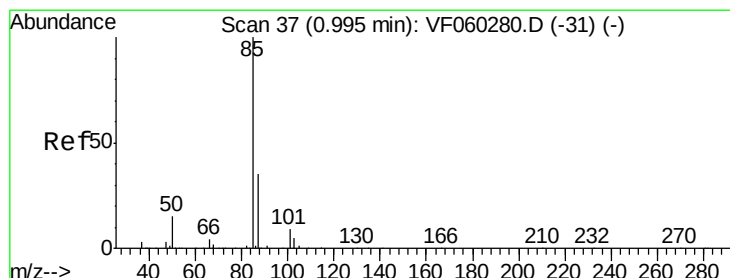
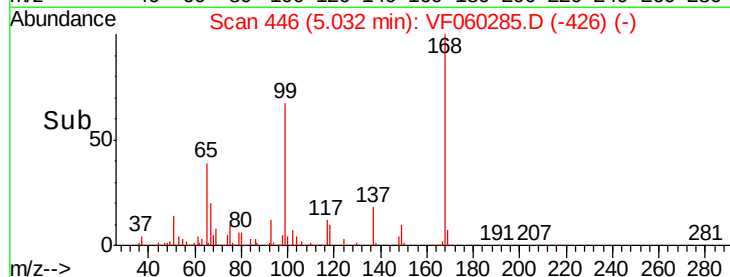
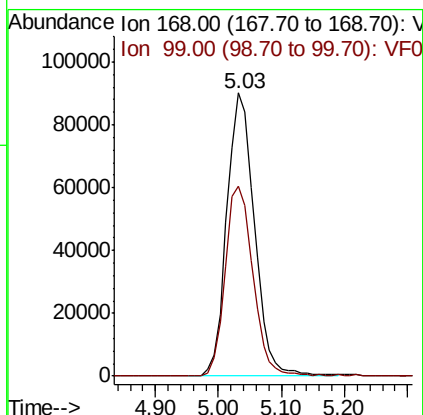
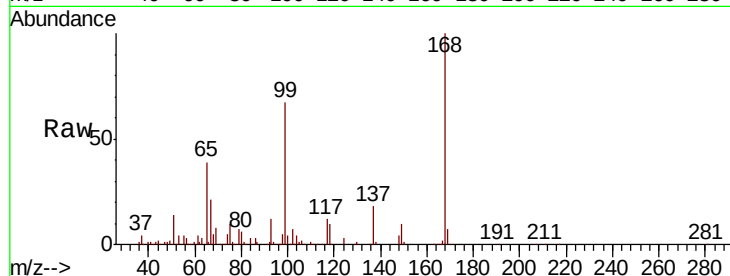
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.03 min Scan# 446
Delta R.T. -0.00 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

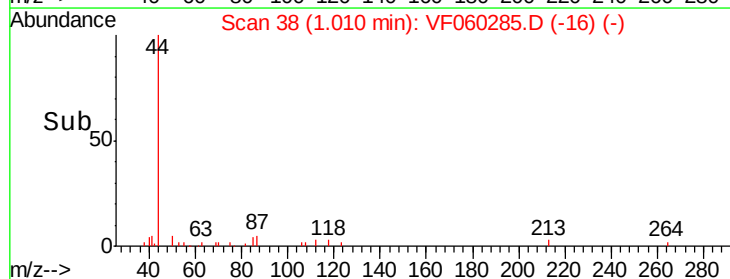
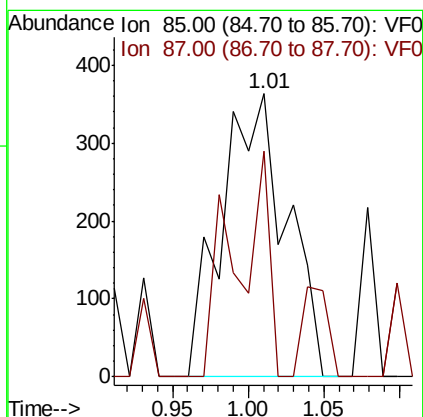
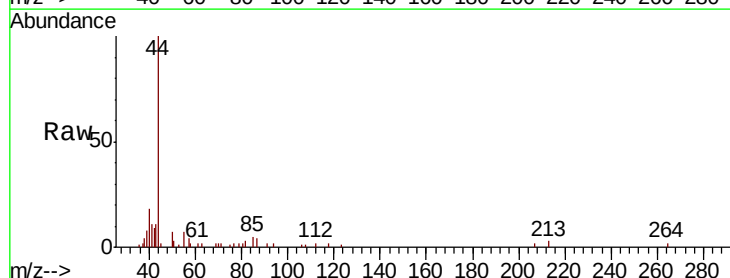
Instrument :
MSVOA_F
ClientSampleId :
BFB

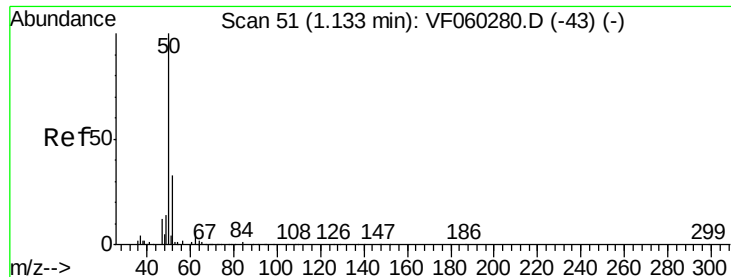
Tgt Ion:168 Resp: 273762
Ion Ratio Lower Upper
168 100
99 67.2 54.8 82.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.01 min Scan# 38
Delta R.T. 0.02 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Tgt Ion: 85 Resp: 1083
Ion Ratio Lower Upper
85 100
87 79.6 17.3 52.0#





#3

Chloromethane

Concen: 0.099 ug/l

RT: 1.26 min Scan# 63

Delta R.T. 0.12 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampled :

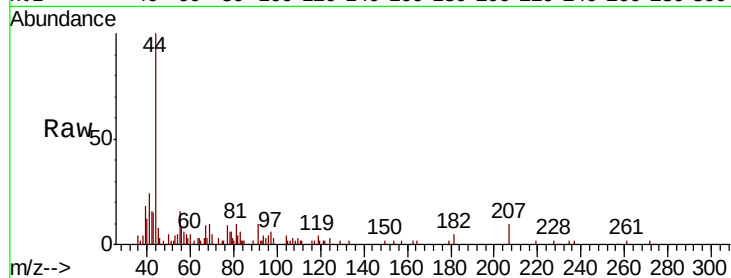
BFB

Tgt Ion: 50 Resp: 368

Ion Ratio Lower Upper

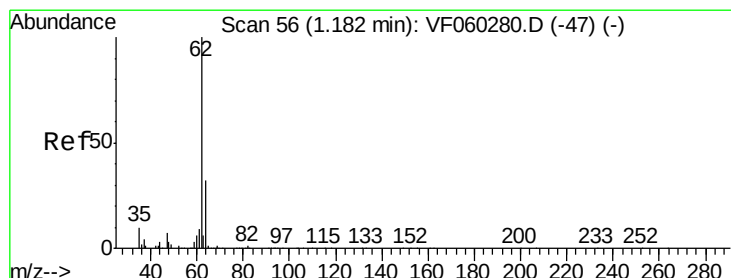
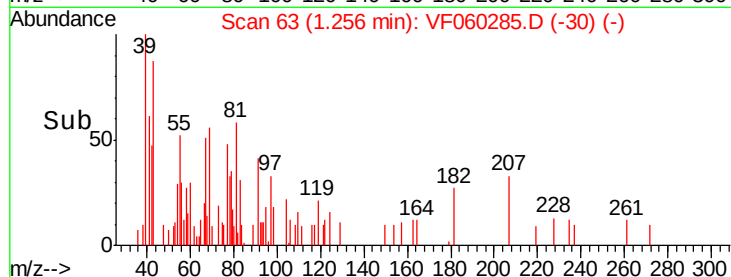
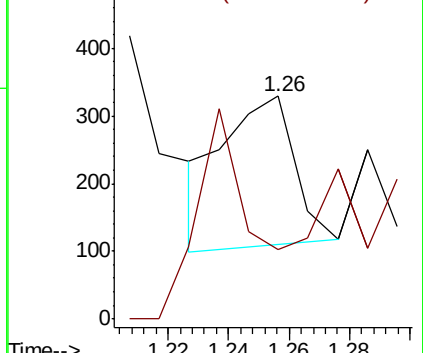
50 100

52 31.0 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 0.104 ug/l

RT: 1.17 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060285.D

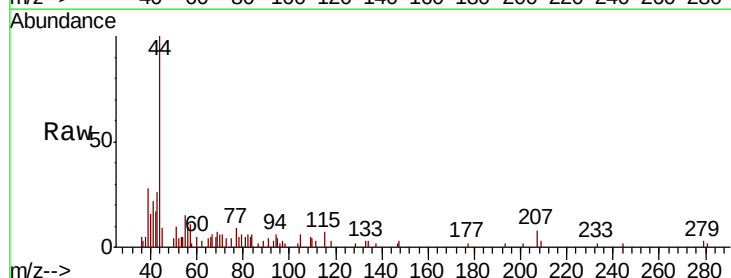
Acq: 19 Sep 2018 17:40

Tgt Ion: 62 Resp: 396

Ion Ratio Lower Upper

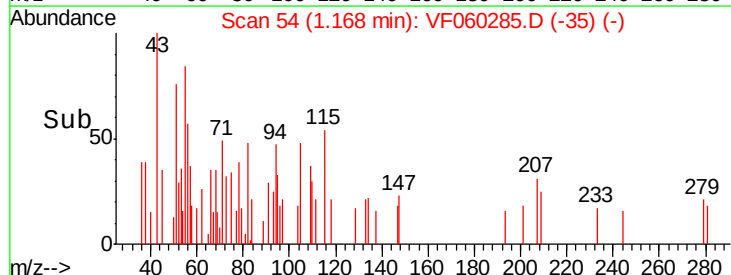
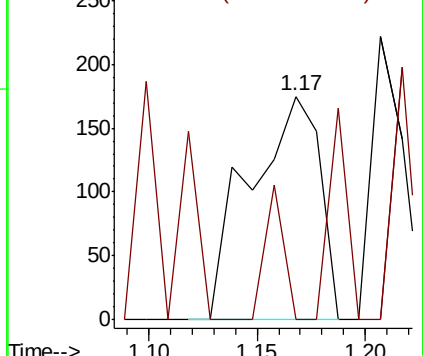
62 100

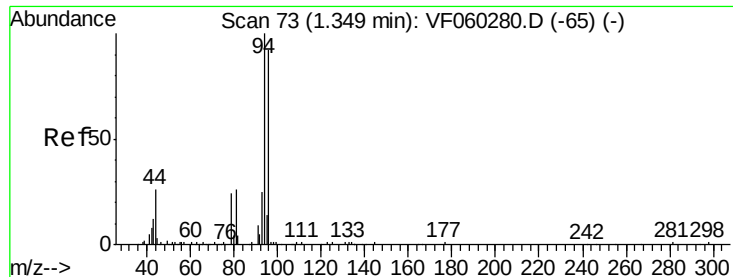
64 0.0 25.2 37.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.22 min Scan# 59

Delta R.T. -0.13 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampled :

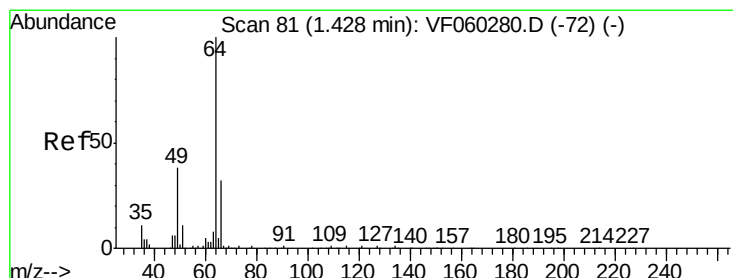
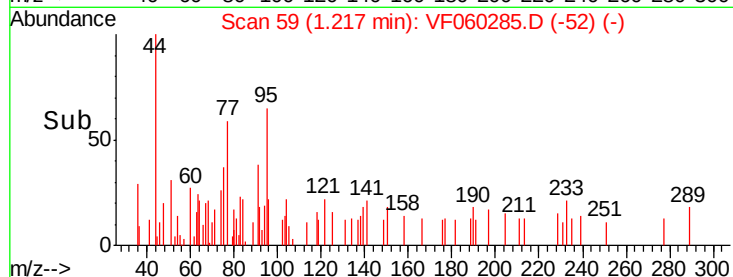
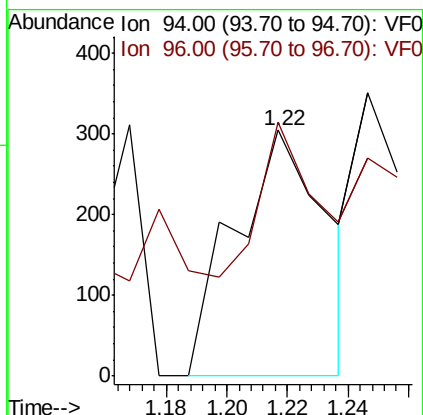
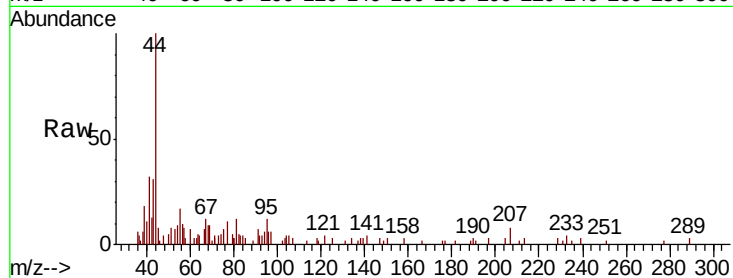
BFB

Tgt Ion: 94 Resp: 638

Ion Ratio Lower Upper

94 100

96 103.0 73.9 110.9



#6

Chloroethane

Concen: 0.042 ug/l

RT: 1.44 min Scan# 82

Delta R.T. 0.02 min

Lab File: VF060285.D

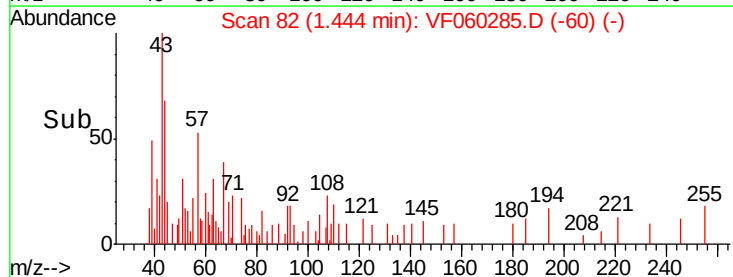
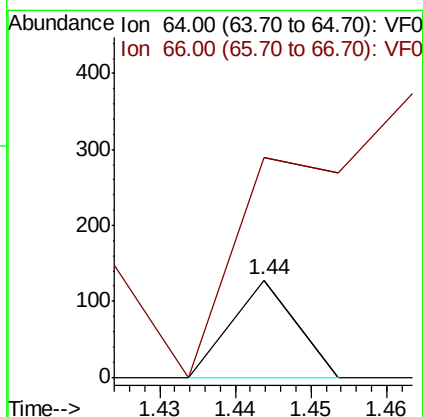
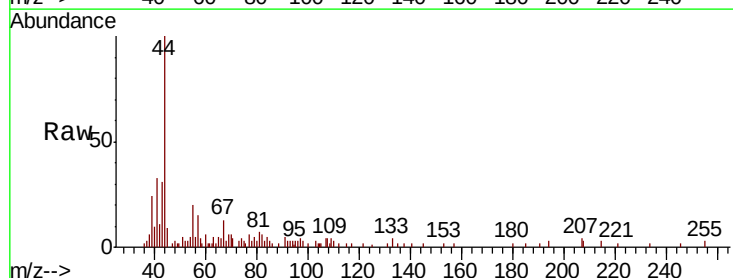
Acq: 19 Sep 2018 17:40

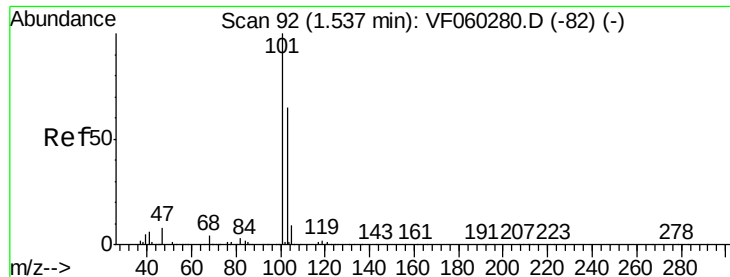
Tgt Ion: 64 Resp: 76

Ion Ratio Lower Upper

64 100

66 226.6 26.2 39.2#





#7

Trichlorofluoromethane

Concen: 0.060 ug/l

RT: 1.52 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

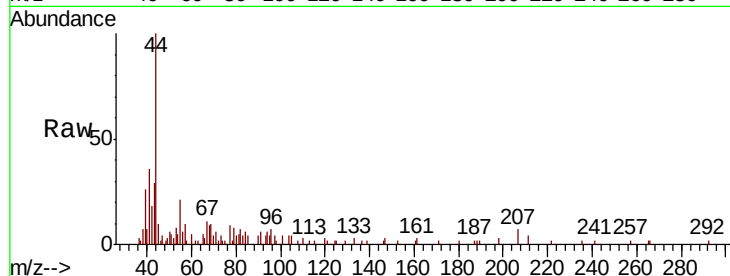
BFB

Tgt Ion: 101 Resp: 428

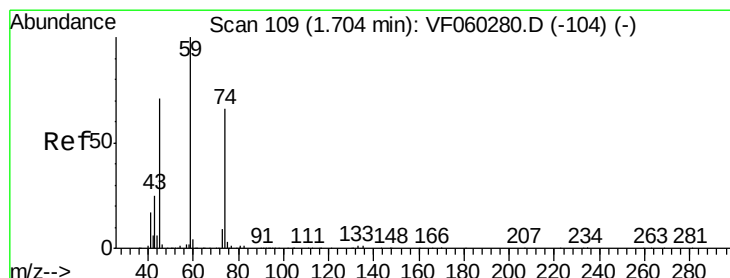
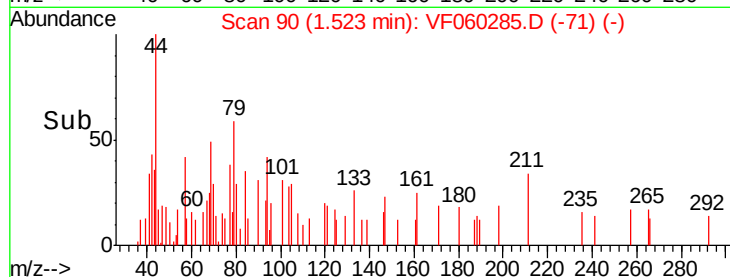
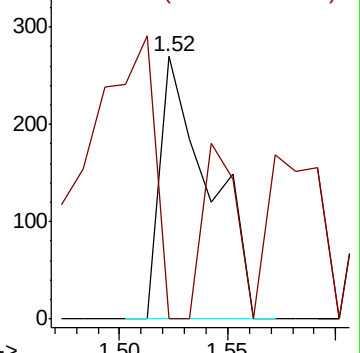
Ion Ratio Lower Upper

101 100

103 0.0 52.0 78.0#



Abundance Ion 101.00 (100.70 to 101.70): V



#8

Diethyl Ether

Concen: 0.275 ug/l

RT: 1.82 min Scan# 120

Delta R.T. 0.11 min

Lab File: VF060285.D

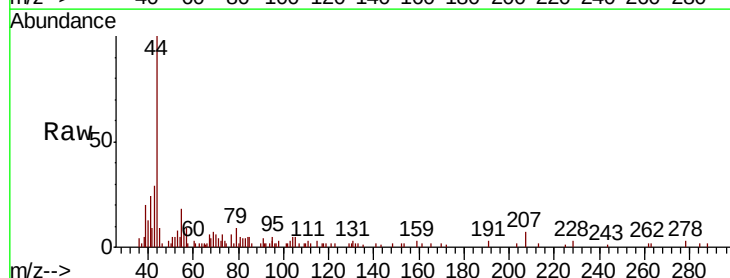
Acq: 19 Sep 2018 17:40

Tgt Ion: 74 Resp: 324

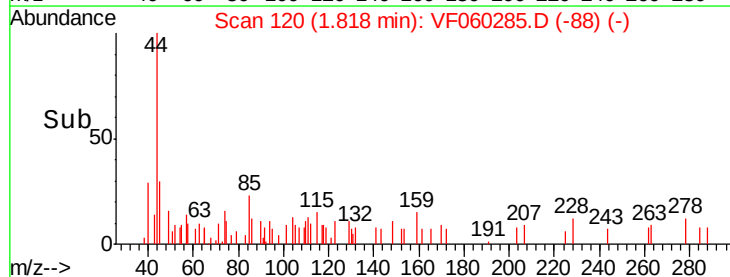
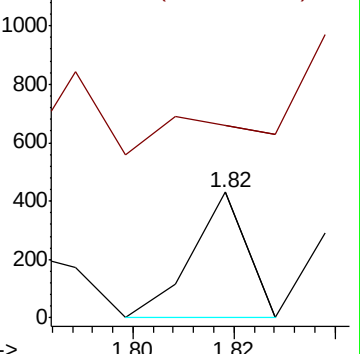
Ion Ratio Lower Upper

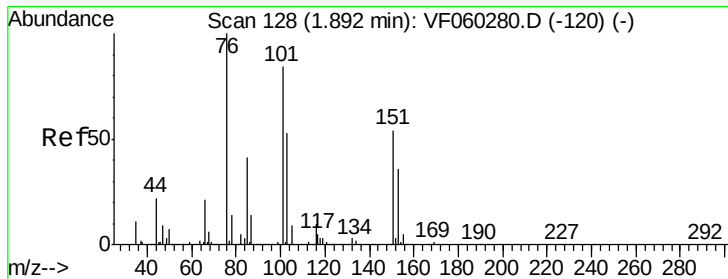
74 100

45 152.7 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.020 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampled :

BFB

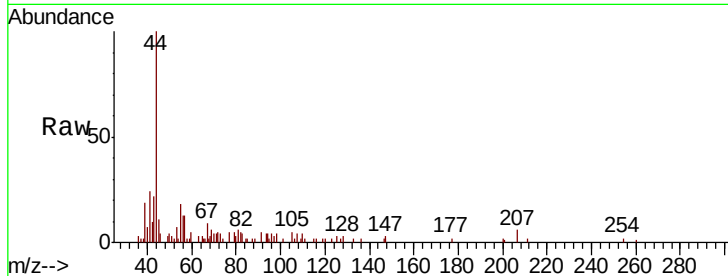
Tgt Ion:101 Resp: 74

Ion Ratio Lower Upper

101 100

85 111.2 38.7 58.1#

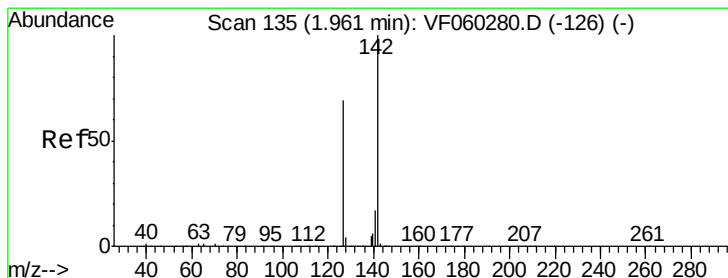
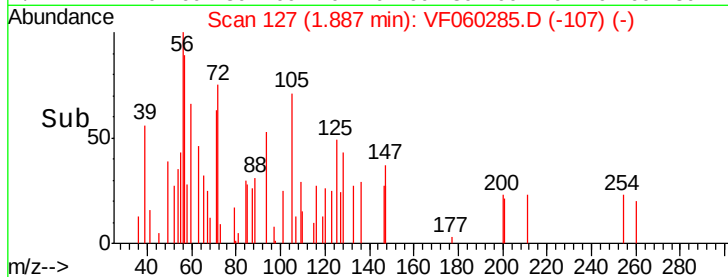
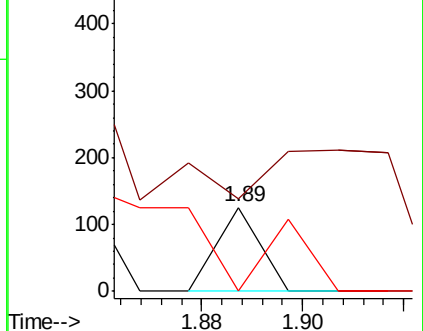
151 0.0 50.8 76.2#



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: 0.012 ug/l

RT: 1.98 min Scan# 136

Delta R.T. 0.02 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

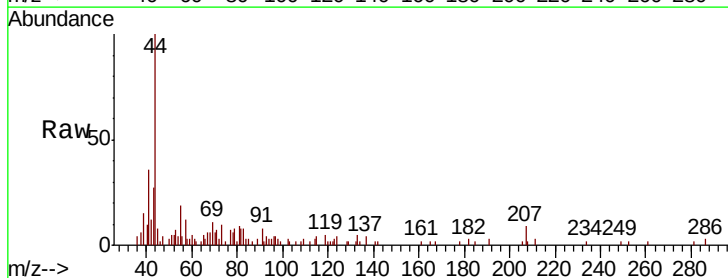
Tgt Ion:142 Resp: 70

Ion Ratio Lower Upper

142 100

127 0.0 55.4 83.0#

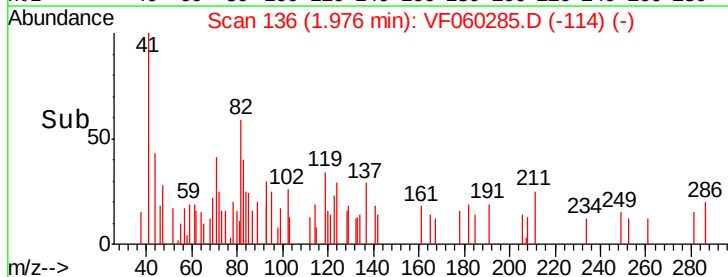
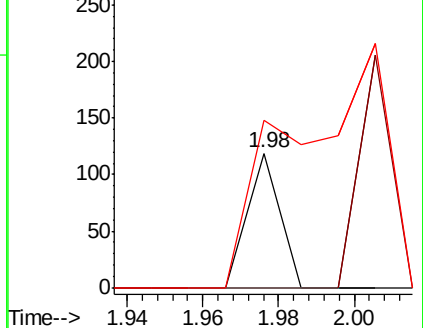
141 124.4 13.3 19.9#

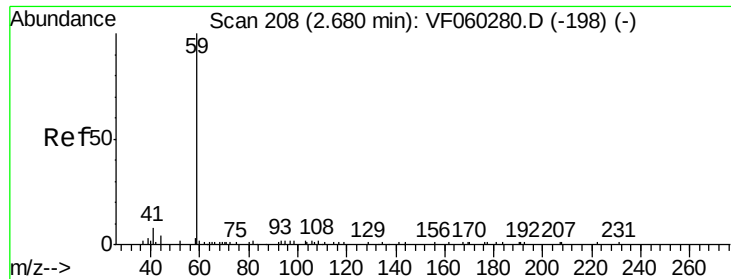


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



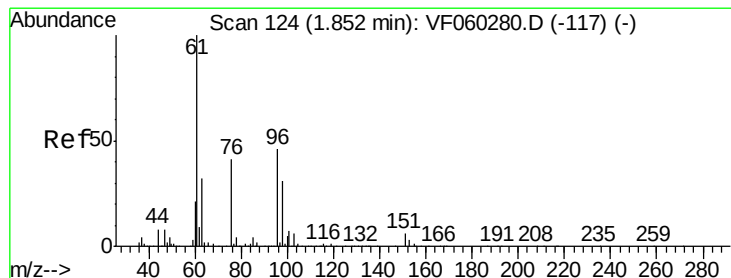
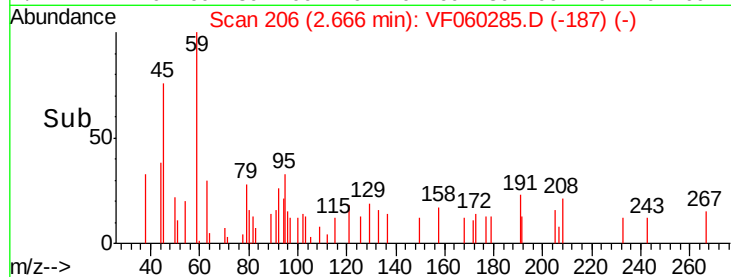
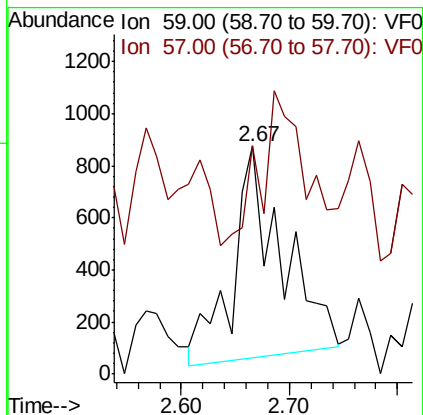
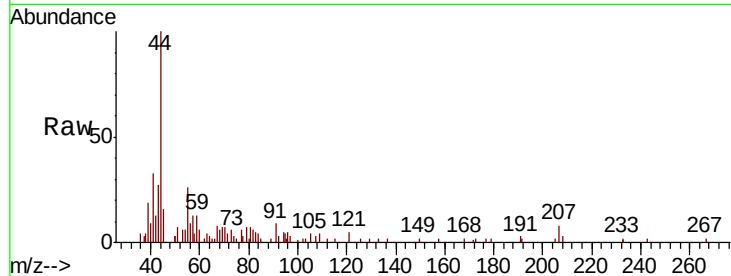


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.67 min Scan# 206
Delta R.T. -0.01 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Instrument :
MSVOA_F
ClientSampled :
BFB

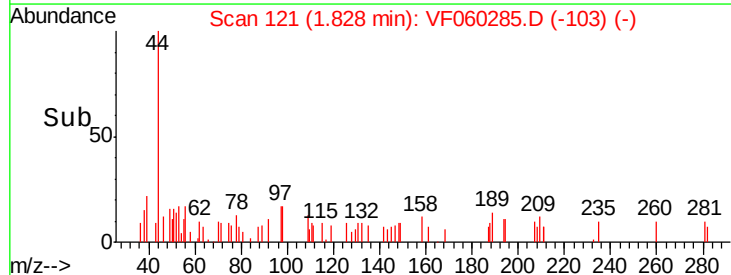
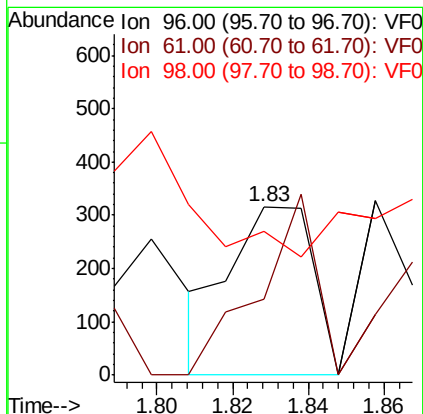
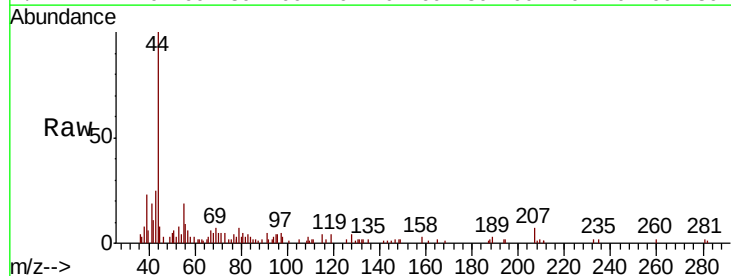
Tgt Ion: 59 Resp: 2570
Ion Ratio Lower Upper
59 100
57 100.0 12.4 18.6#

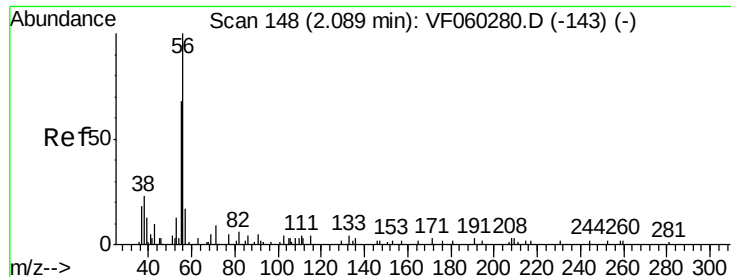


#12

1,1-Dichloroethene
Concen: 0.153 ug/l
RT: 1.83 min Scan# 121
Delta R.T. -0.02 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Tgt Ion: 96 Resp: 477
Ion Ratio Lower Upper
96 100
61 45.3 172.2 258.2#
98 85.4 54.1 81.1#





#13

Acrolein

Concen: Below Cal

RT: 2.10 min Scan# 149

Delta R.T. 0.02 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

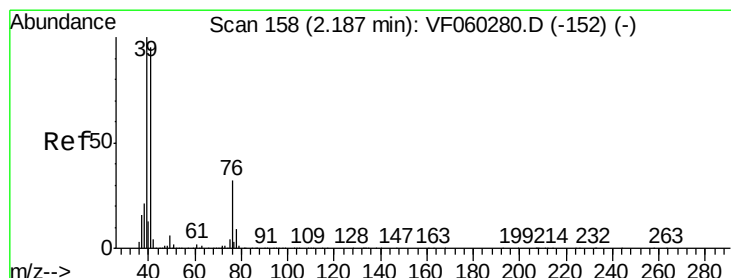
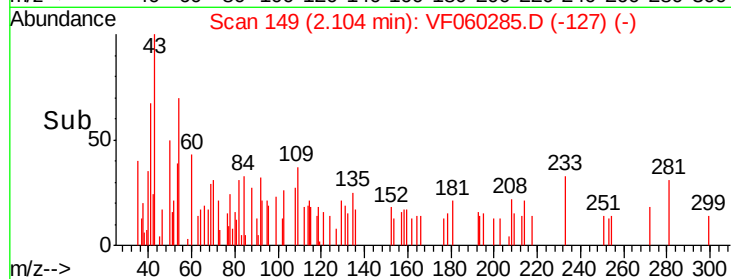
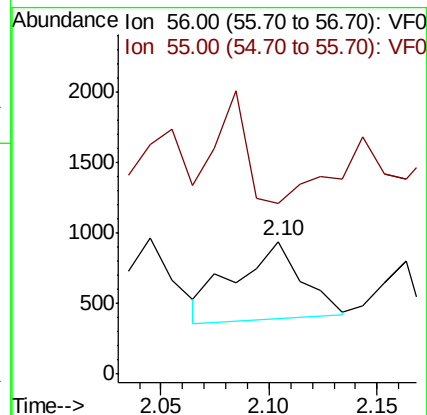
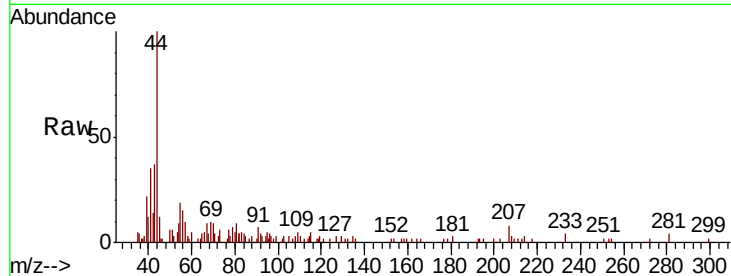
BFB

Tgt Ion: 56 Resp: 1194

Ion Ratio Lower Upper

56 100

55 128.8 69.9 104.9#



#14

Allyl chloride

Concen: 0.497 ug/l

RT: 2.20 min Scan# 159

Delta R.T. 0.02 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

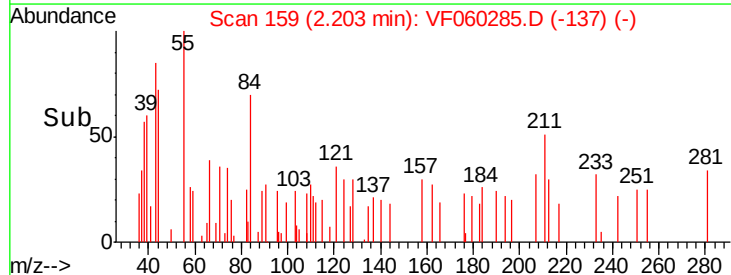
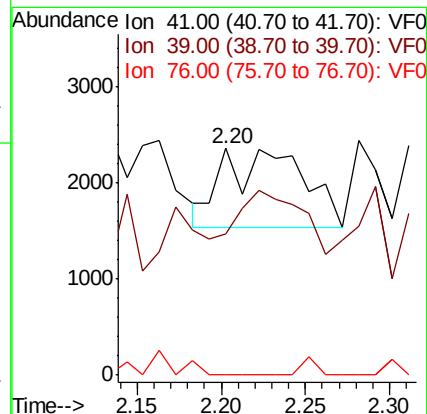
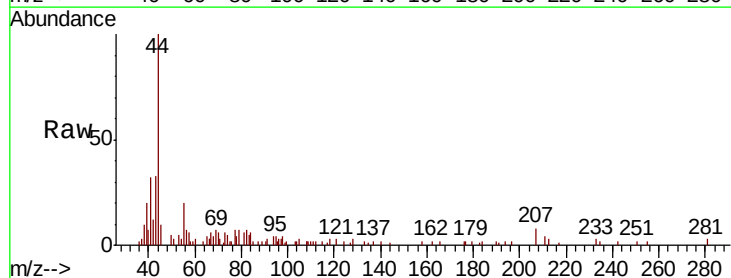
Tgt Ion: 41 Resp: 2700

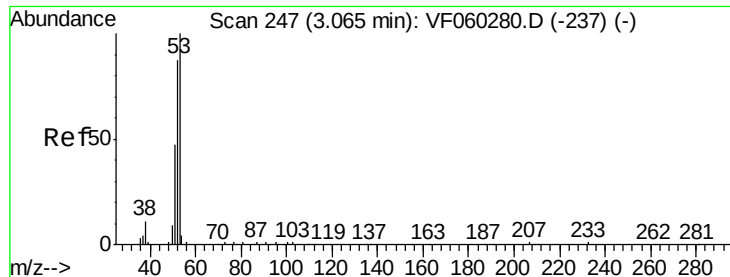
Ion Ratio Lower Upper

41 100

39 62.2 84.8 127.2#

76 0.0 27.4 41.2#





#15

Acrylonitrile

Concen: 6.335 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

BFB

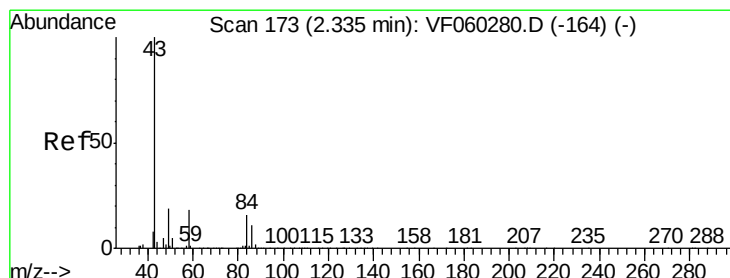
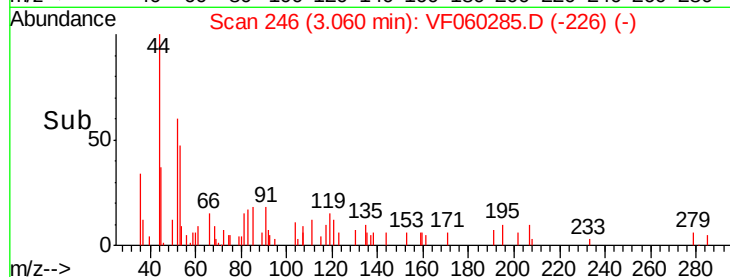
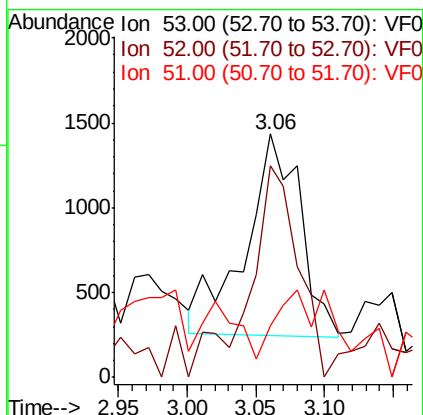
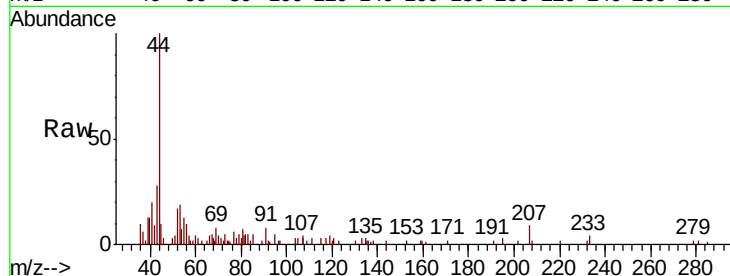
Tgt Ion: 53 Resp: 3298

Ion Ratio Lower Upper

53 100

52 86.7 69.5 104.3

51 21.2 38.1 57.1#



#16

Acetone

Concen: 9.020 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.00 min

Lab File: VF060285.D

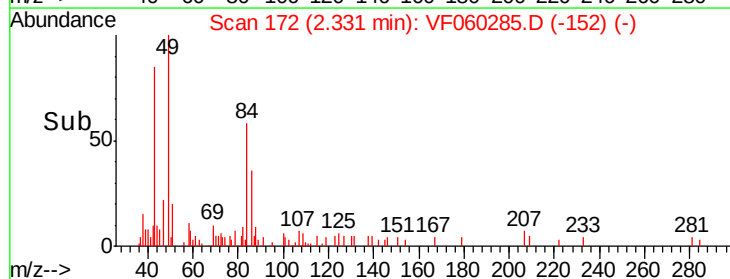
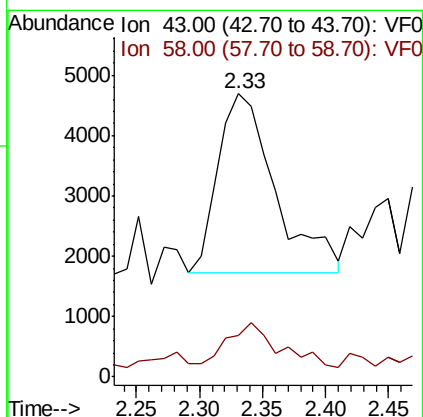
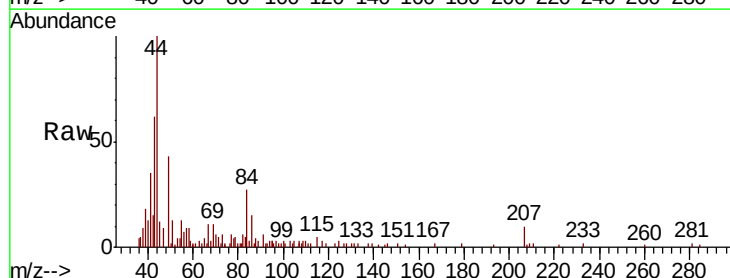
Acq: 19 Sep 2018 17:40

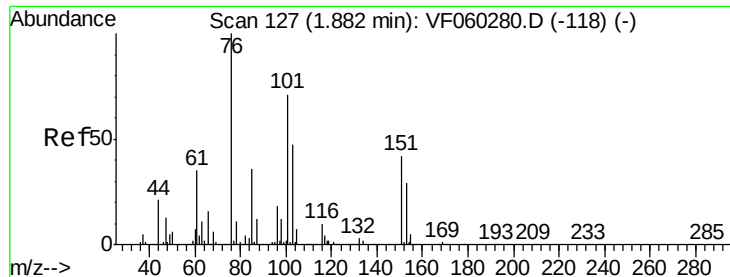
Tgt Ion: 43 Resp: 9364

Ion Ratio Lower Upper

43 100

58 14.8 14.5 21.7





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.91 min Scan# 129

Delta R.T. 0.03 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampled :

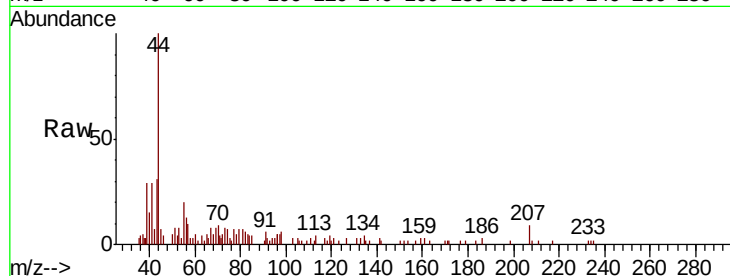
BFB

Tgt Ion: 76 Resp: 201

Ion Ratio Lower Upper

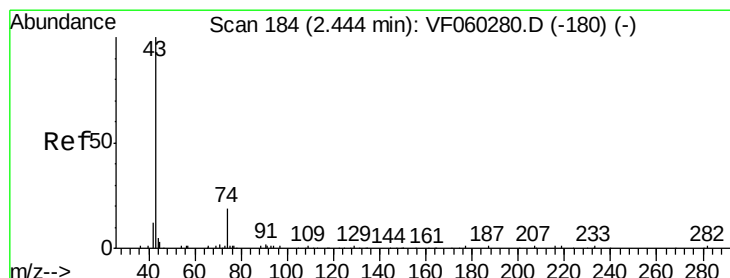
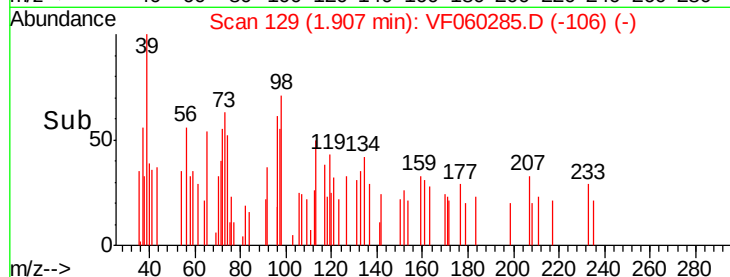
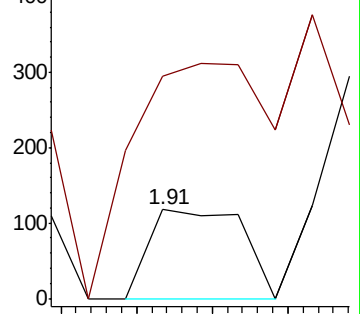
76 100

78 249.2 9.4 14.0#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 1.247 ug/l

RT: 2.45 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF060285.D

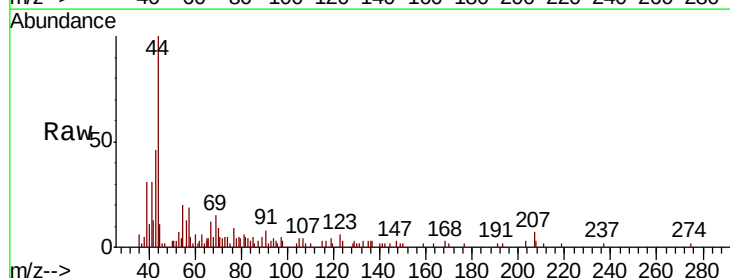
Acq: 19 Sep 2018 17:40

Tgt Ion: 43 Resp: 2156

Ion Ratio Lower Upper

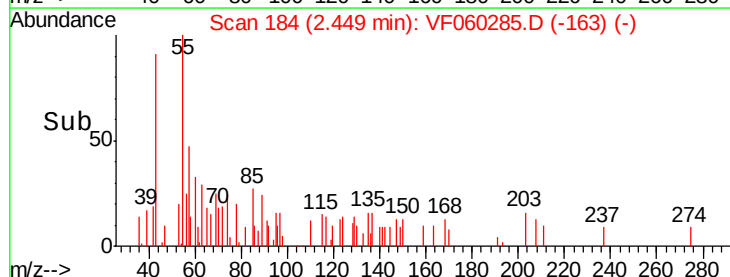
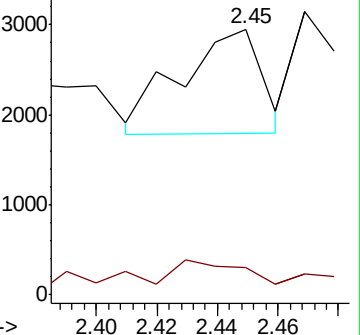
43 100

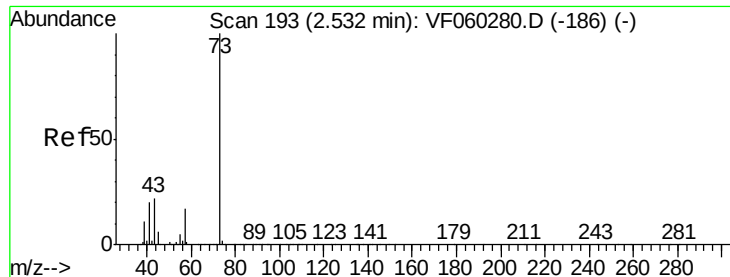
74 10.4 12.7 19.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



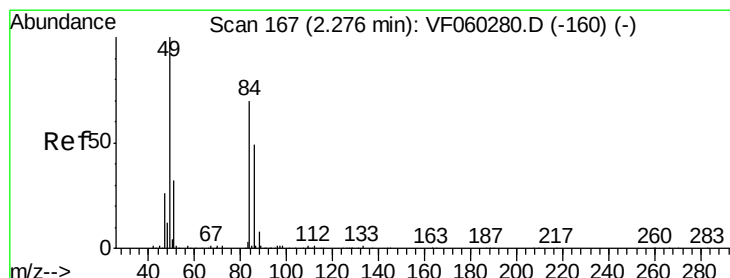
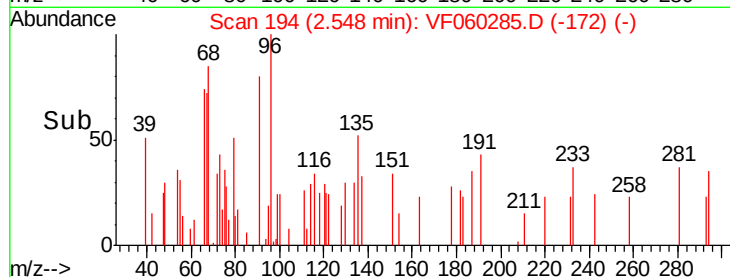
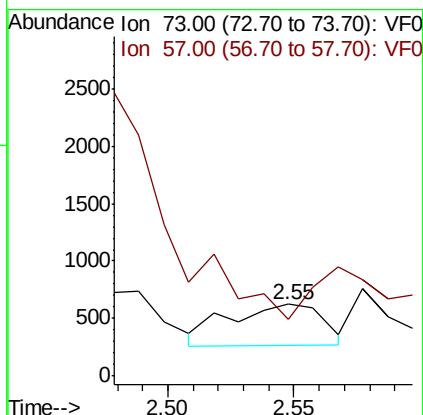
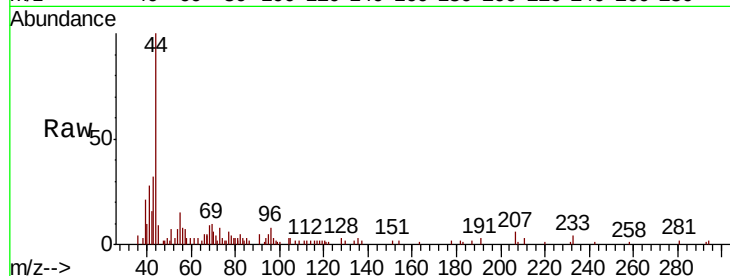


#19

Methyl tert-butyl Ether
 Concen: 0.121 ug/l
 RT: 2.55 min Scan# 194
 Delta R.T. 0.02 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

Instrument :
 MSVOA_F
 ClientSampled :
 BFB

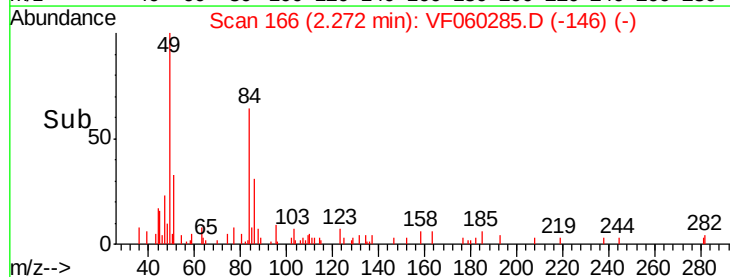
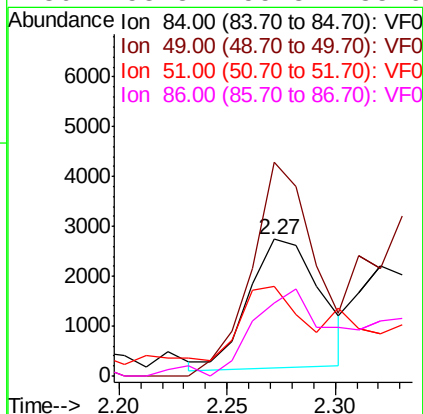
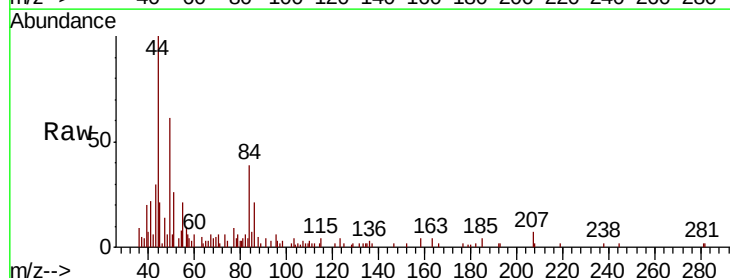
Tgt Ion: 73 Resp: 936
 Ion Ratio Lower Upper
 73 100
 57 79.7 14.5 21.7#

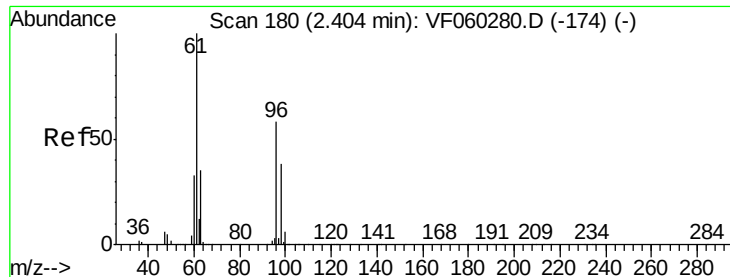


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.27 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

Tgt Ion: 84 Resp: 6008
 Ion Ratio Lower Upper
 84 100
 49 156.6 118.3 177.5
 51 66.1 38.7 58.1#
 86 53.3 55.8 83.6#





#21

trans-1,2-Dichloroethene

Concen: 0.246 ug/l

RT: 2.42 min Scan# 181

Delta R.T. 0.02 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

BFB

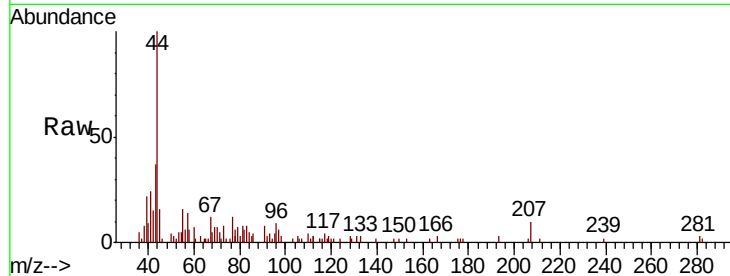
Tgt Ion: 96 Resp: 793

Ion Ratio Lower Upper

96 100

61 18.0 136.4 204.6#

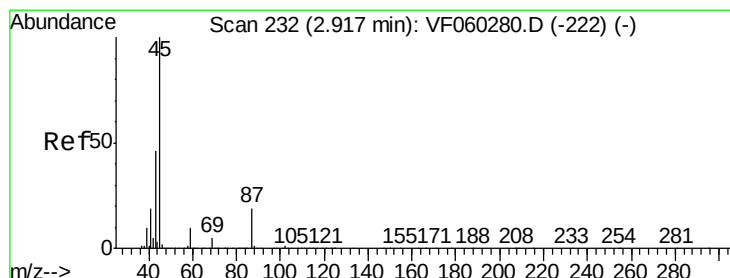
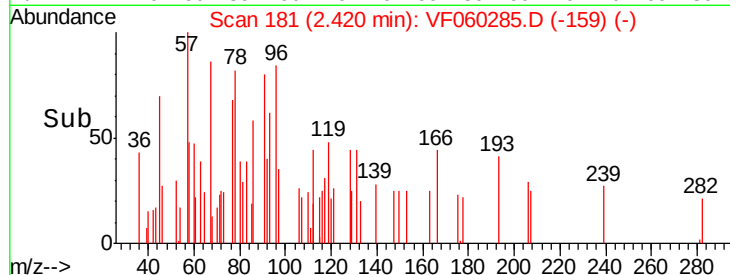
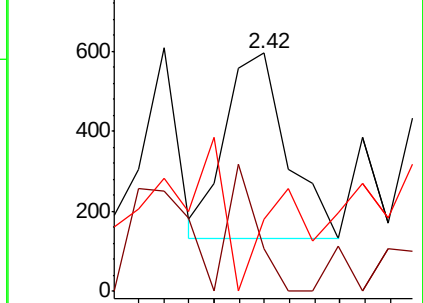
98 30.4 51.8 77.6#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 0.509 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Tgt Ion: 45 Resp: 5219

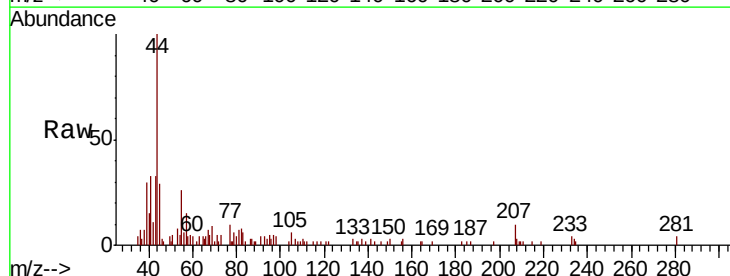
Ion Ratio Lower Upper

45 100

43 115.9 38.2 57.2#

87 11.0 15.5 23.3#

59 16.2 7.7 11.5#

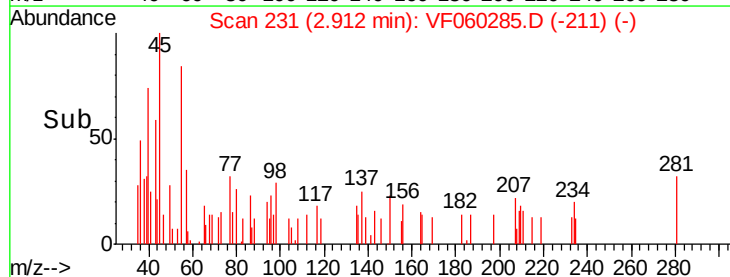
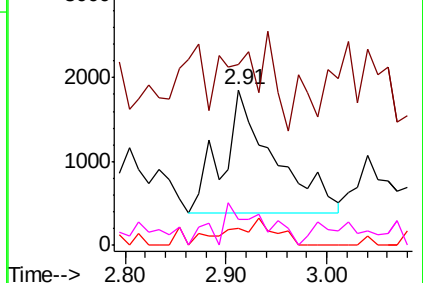


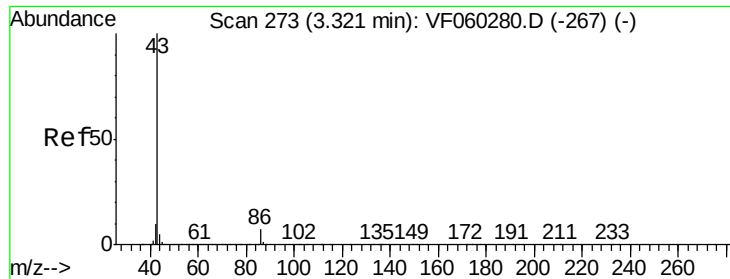
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 0.564 ug/l

RT: 3.32 min Scan# 272

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

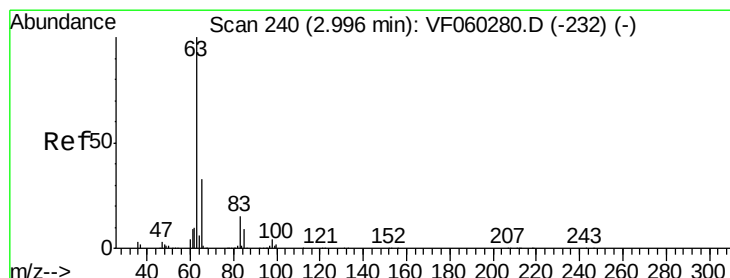
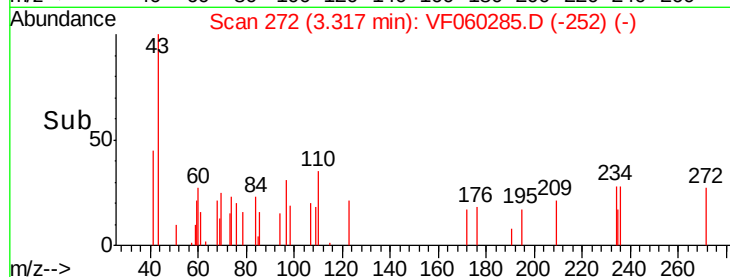
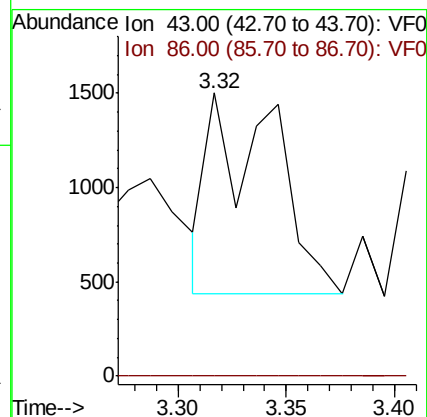
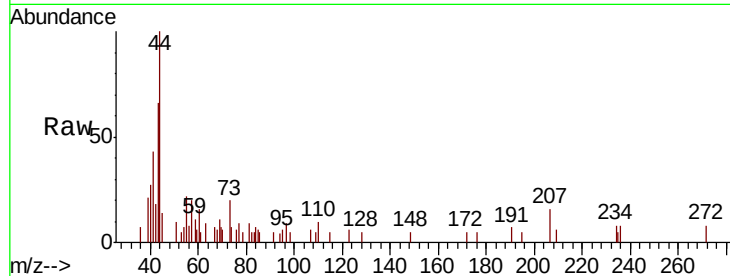
BFB

Tgt Ion: 43 Resp: 2274

Ion Ratio Lower Upper

43 100

86 0.0 5.9 8.9#



#24

1,1-Dichloroethane

Concen: 0.072 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.06 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

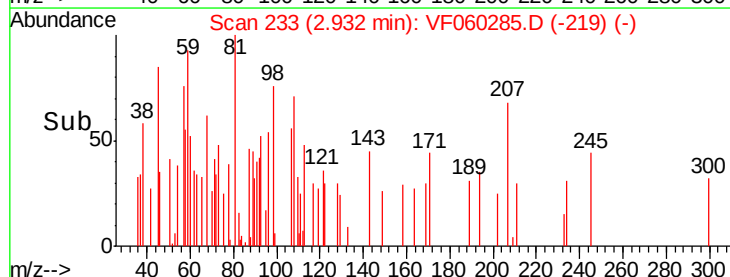
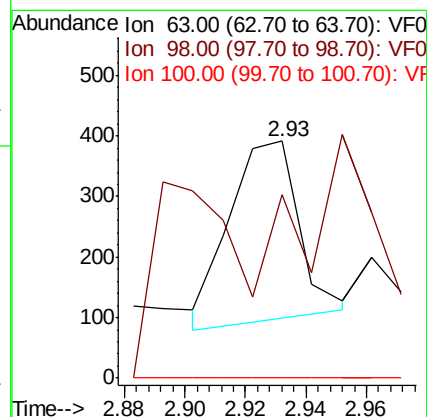
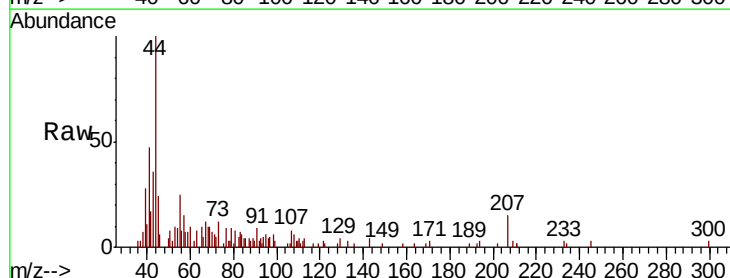
Tgt Ion: 63 Resp: 481

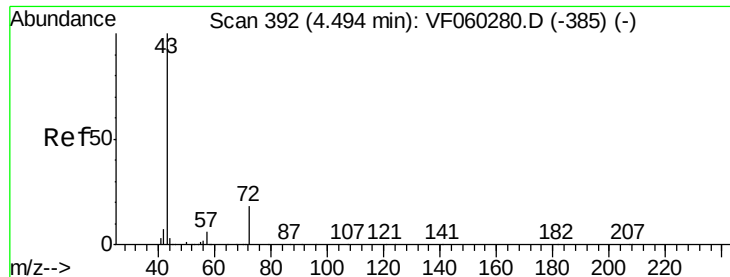
Ion Ratio Lower Upper

63 100

98 77.7 2.1 6.5#

100 0.0 1.1 3.3#





#25

2-Butanone

Concen: 10.659 ug/l

RT: 4.50 min Scan# 392

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampled :

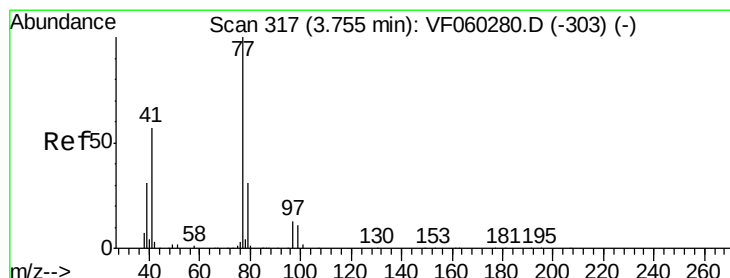
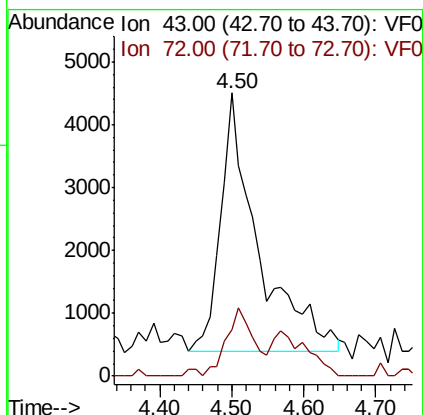
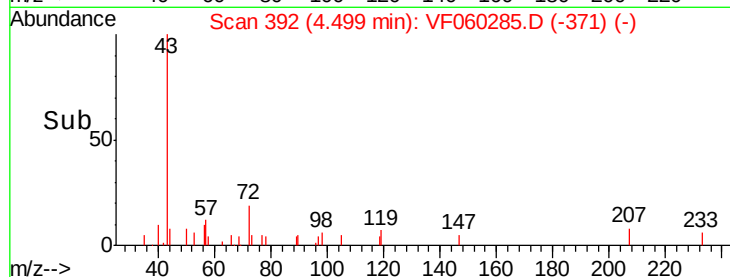
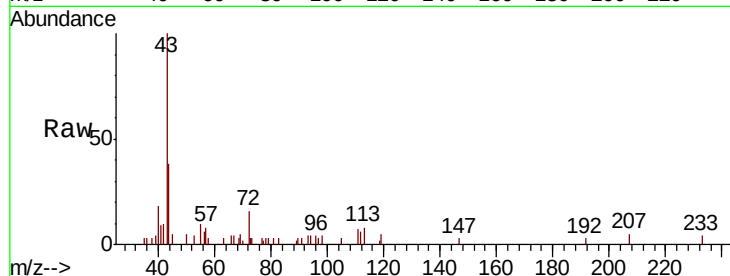
BFB

Tgt Ion: 43 Resp: 14894

Ion Ratio Lower Upper

43 100

72 16.4 16.2 24.2



#26

2,2-Dichloropropane

Concen: 0.203 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.05 min

Lab File: VF060285.D

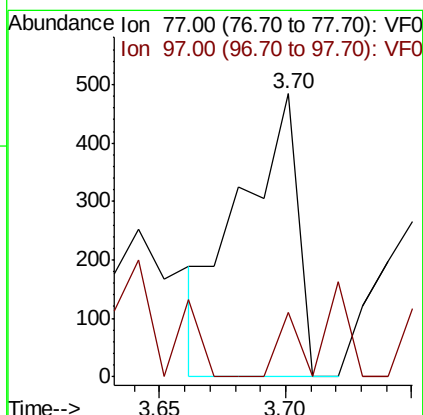
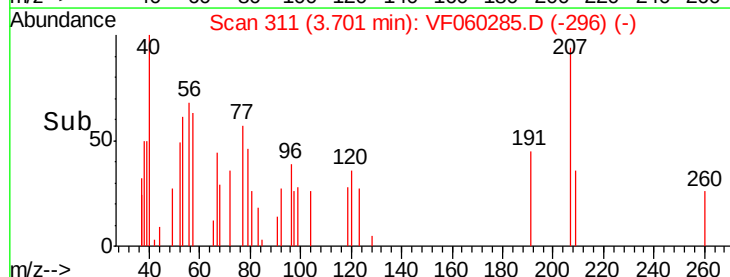
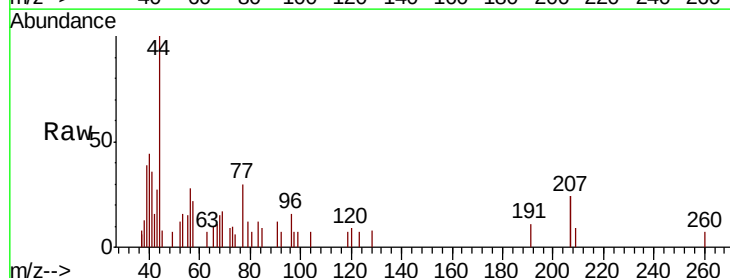
Acq: 19 Sep 2018 17:40

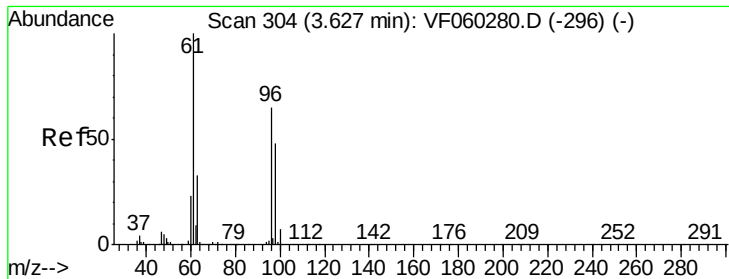
Tgt Ion: 77 Resp: 770

Ion Ratio Lower Upper

77 100

97 22.7 9.3 27.9



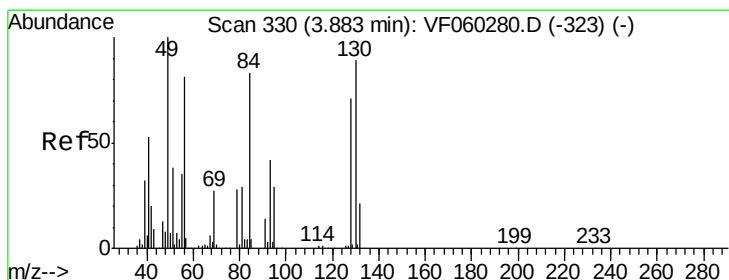
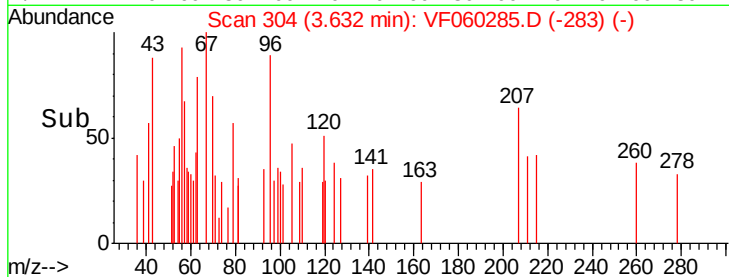
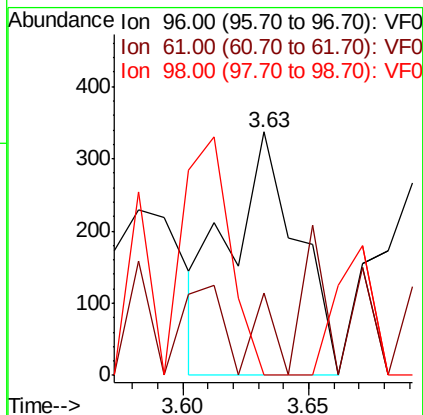
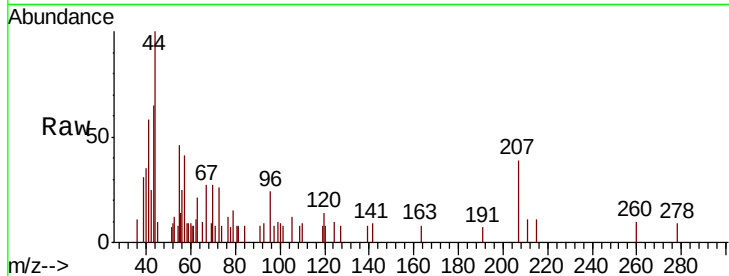


#27

cis-1,2-Dichloroethene
 Concen: 0.150 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

Instrument :
 MSVOA_F
 ClientSampled :
 BFB

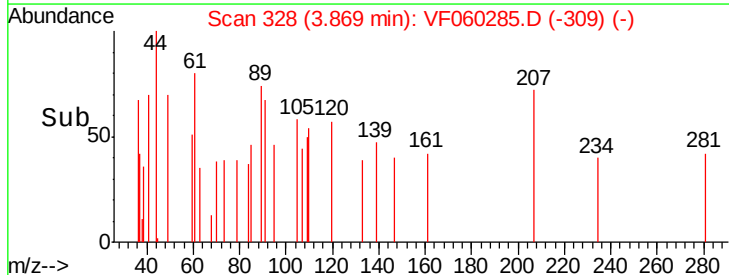
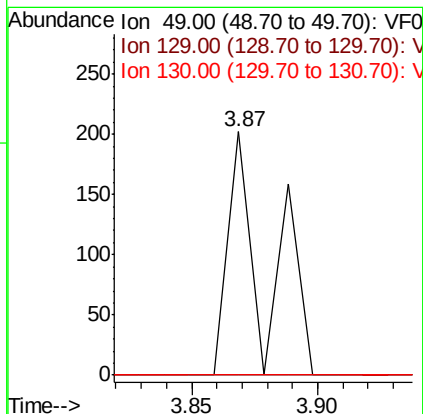
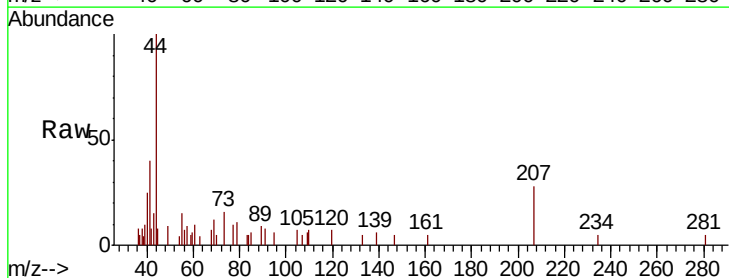
Tgt Ion: 96 Resp: 633
 Ion Ratio Lower Upper
 96 100
 61 33.8 0.0 304.8
 98 0.0 0.0 146.4

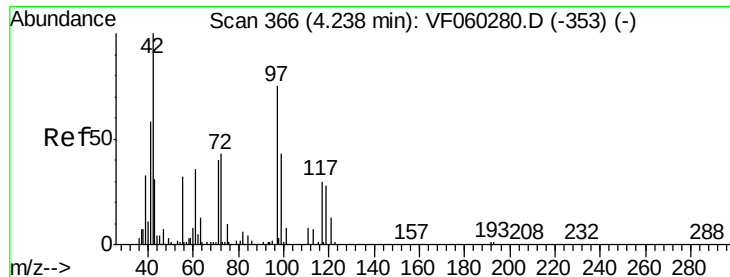


#28

Bromochloromethane
 Concen: 0.083 ug/l
 RT: 3.87 min Scan# 328
 Delta R.T. -0.01 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

Tgt Ion: 49 Resp: 214
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.2
 130 0.0 70.3 105.5#

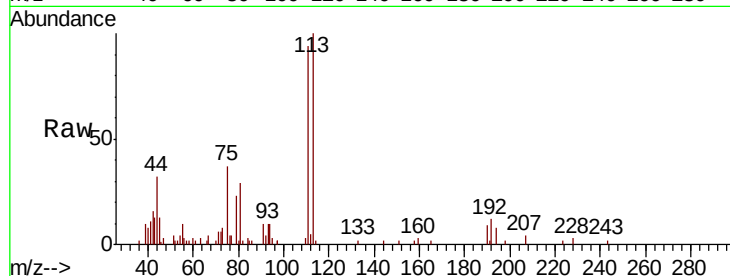




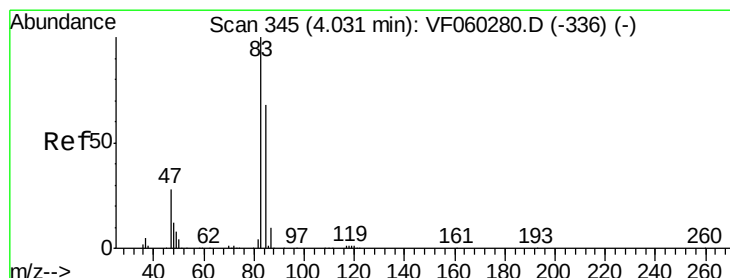
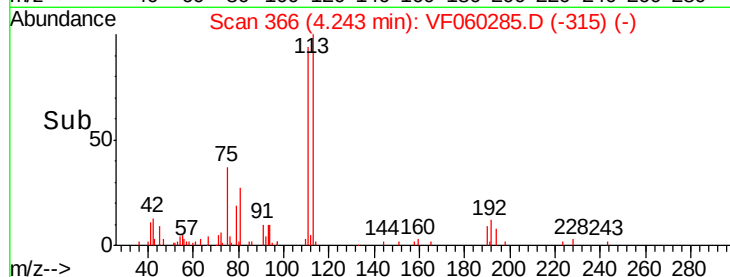
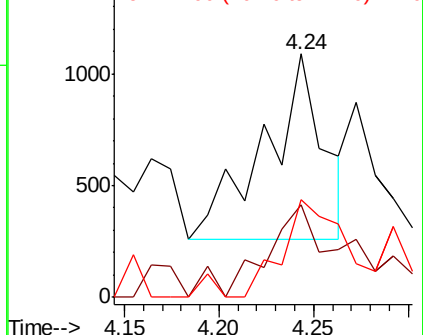
#29
Tetrahydrofuran
Concen: 3.510 ug/l
RT: 4.24 min Scan# 366
Delta R.T. 0.01 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Instrument :
MSVOA_F
ClientSampled :
BFB

Tgt Ion: 42 Resp: 1796
Ion Ratio Lower Upper
42 100
72 73.5 32.6 49.0#
71 56.1 32.7 49.1#

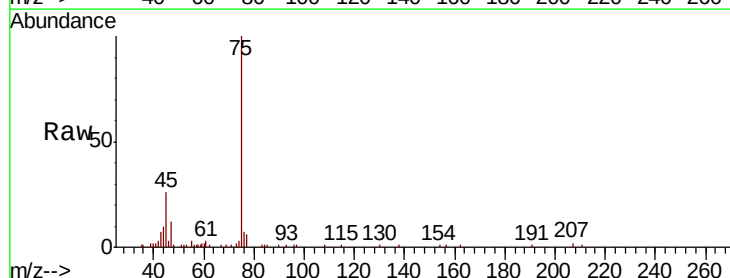


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

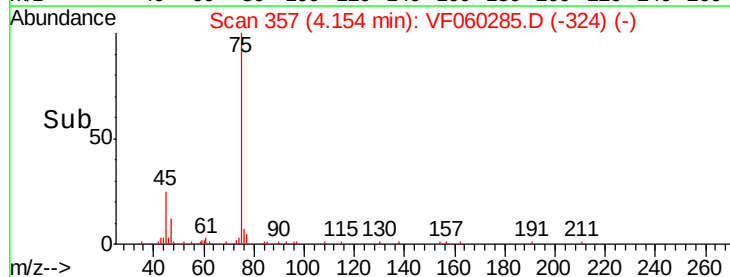
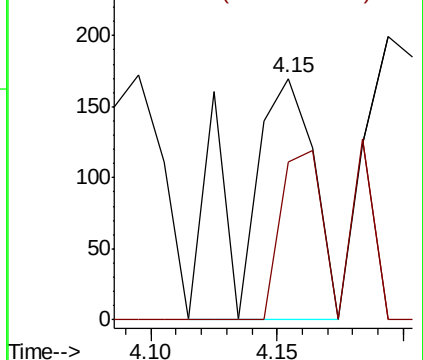


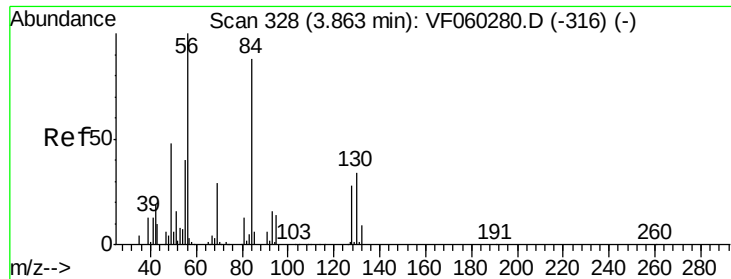
#30
Chloroform
Concen: 0.044 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.12 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Tgt Ion: 83 Resp: 350
Ion Ratio Lower Upper
83 100
85 65.3 54.9 82.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

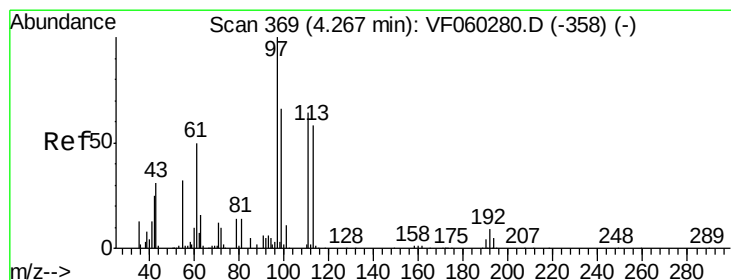
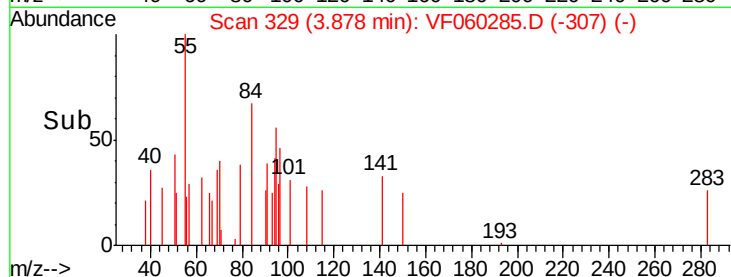
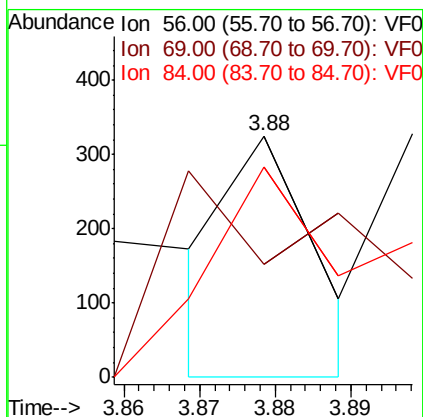
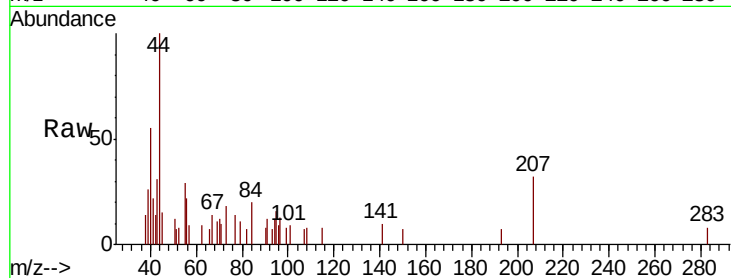




#31
Cyclohexane
Concen: 0.045 ug/l
RT: 3.88 min Scan# 329
Delta R.T. 0.02 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

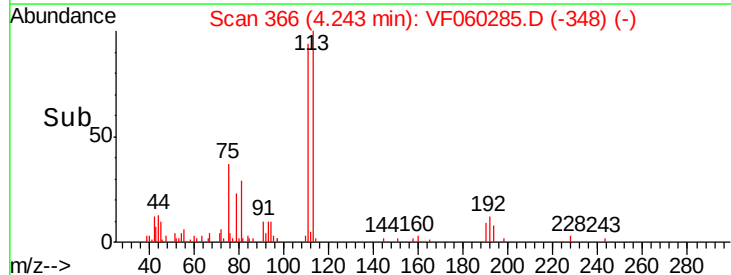
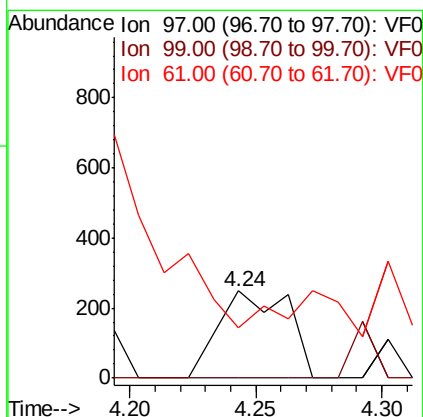
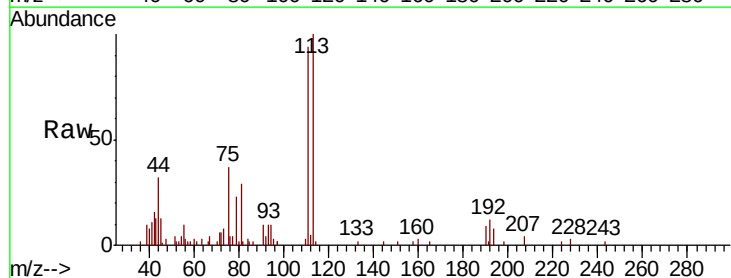
Instrument :
MSVOA_F
ClientSampled :
BFB

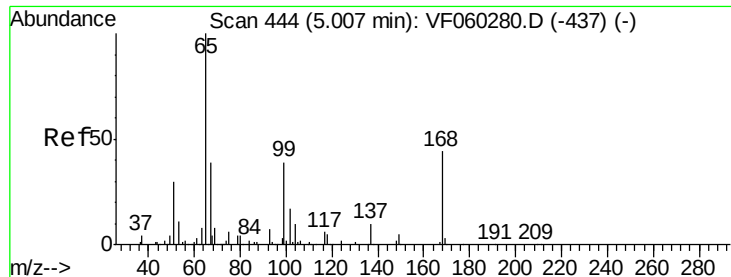
Tgt Ion: 56 Resp: 255
Ion Ratio Lower Upper
56 100
69 46.8 23.8 35.6#
84 87.1 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 0.075 ug/l
RT: 4.24 min Scan# 366
Delta R.T. -0.02 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Tgt Ion: 97 Resp: 475
Ion Ratio Lower Upper
97 100
99 0.0 53.0 79.4#
61 57.0 40.6 61.0

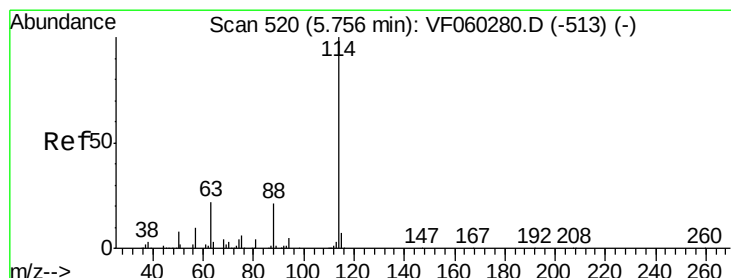
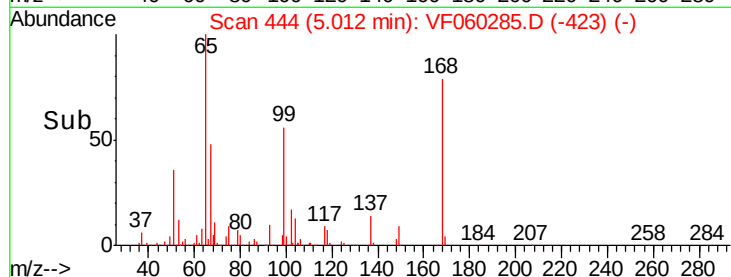
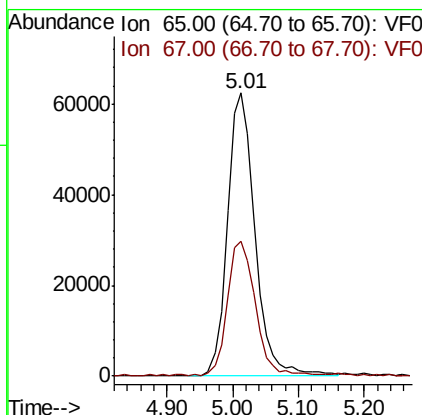
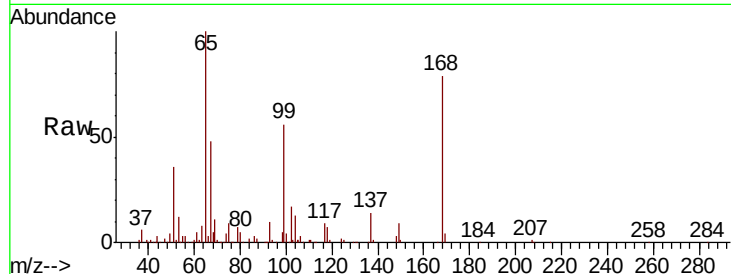




#33
 1,2-Dichloroethane-d4
 Concen: 49.745 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

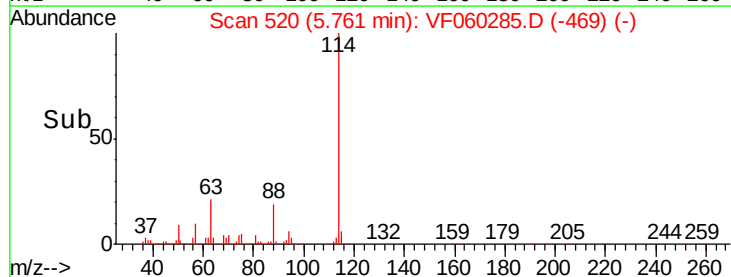
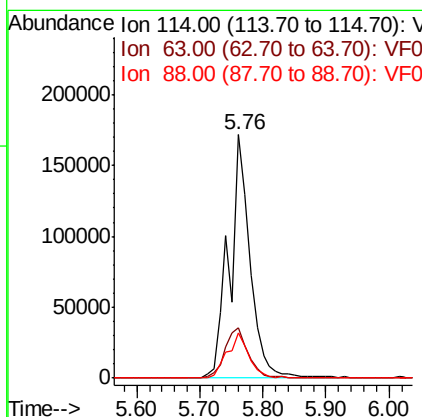
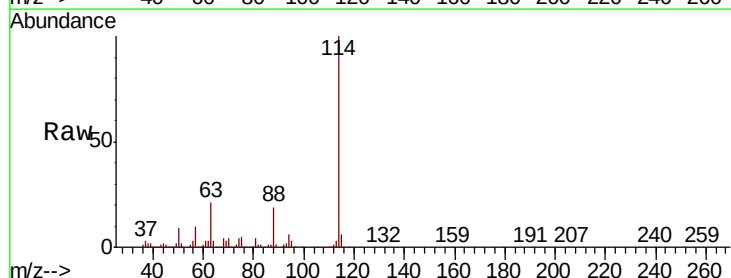
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

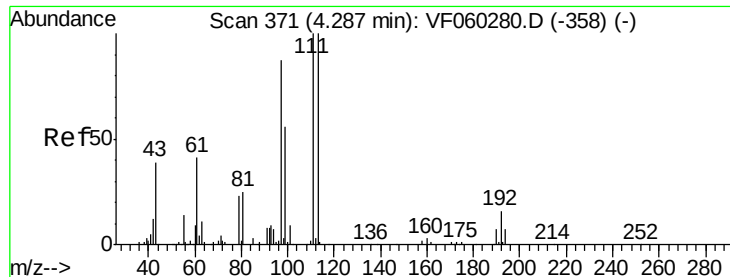
Tgt Ion: 65 Resp: 183374
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.01 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

Tgt Ion: 114 Resp: 392620
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.8
 88 18.6 0.0 41.2

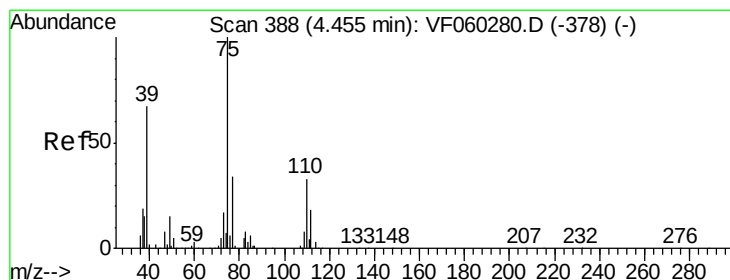
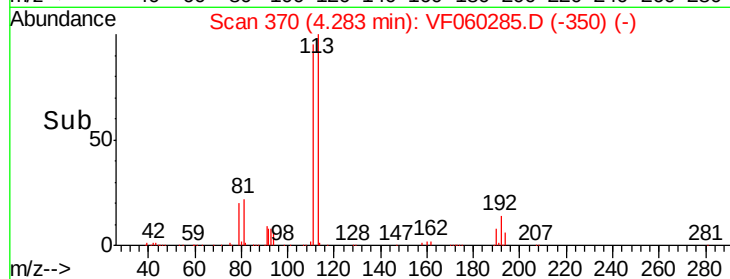
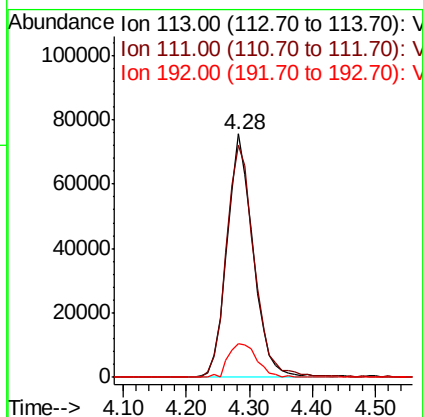
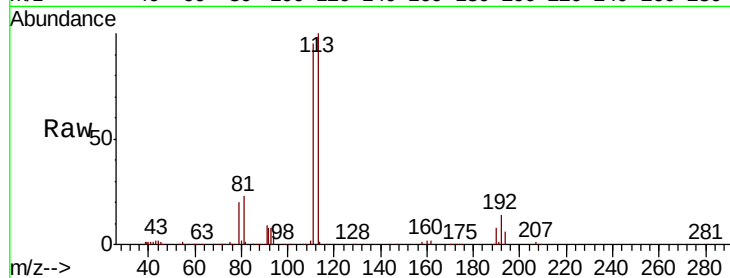




#35
 Dibromofluoromethane
 Concen: 61.939 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

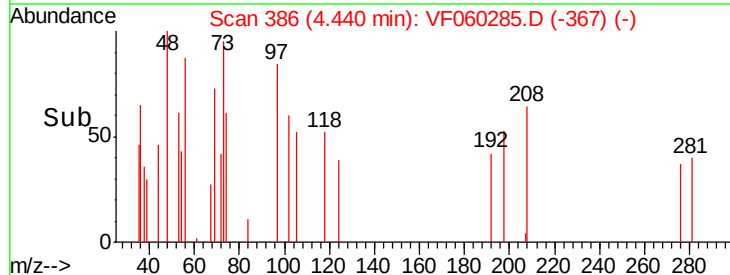
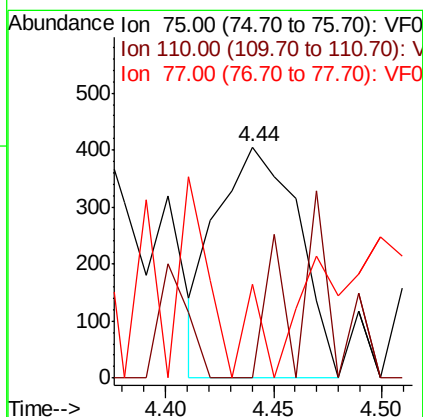
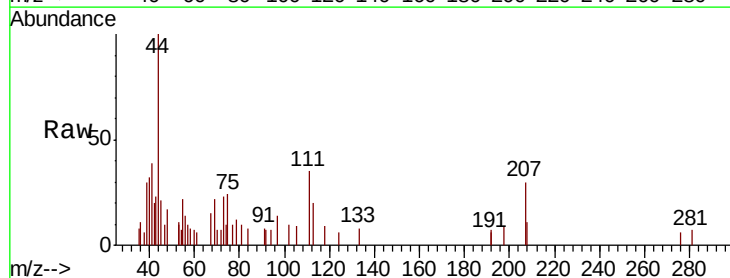
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

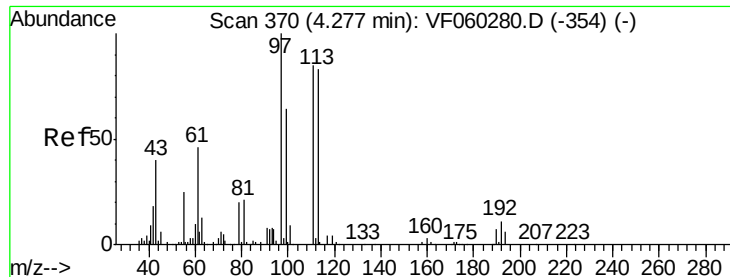
Tgt Ion: 113 Resp: 216780
 Ion Ratio Lower Upper
 113 100
 111 95.3 79.6 119.4
 192 13.8 13.0 19.6



#36
 1,1-Dichloropropene
 Concen: 0.219 ug/l
 RT: 4.44 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

Tgt Ion: 75 Resp: 1074
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.4 49.2#
 77 40.6 27.3 40.9





#37

Ethyl Acetate

Concen: 2.455 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampled :

BFB

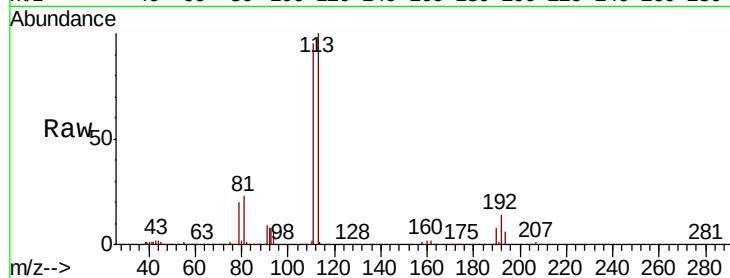
Tgt Ion: 43 Resp: 5087

Ion Ratio Lower Upper

43 100

61 12.3 91.1 136.7#

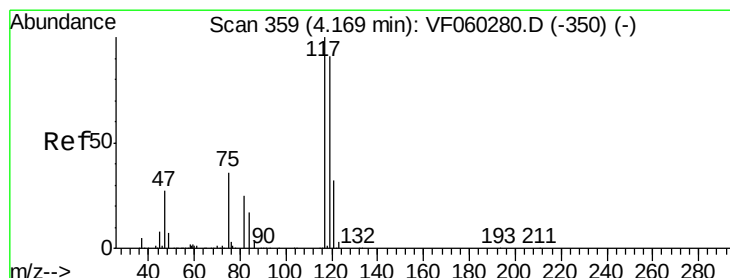
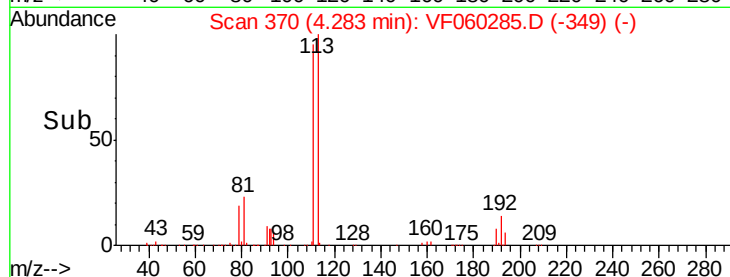
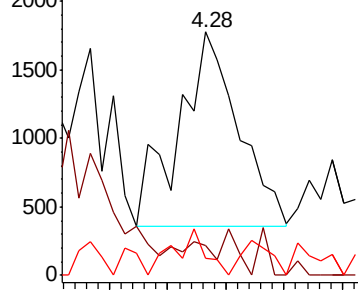
70 6.8 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 0.024 ug/l

RT: 4.17 min Scan# 359

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

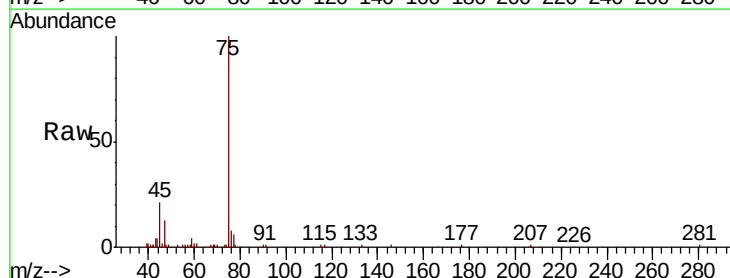
Tgt Ion: 117 Resp: 124

Ion Ratio Lower Upper

117 100

119 0.0 73.0 109.6#

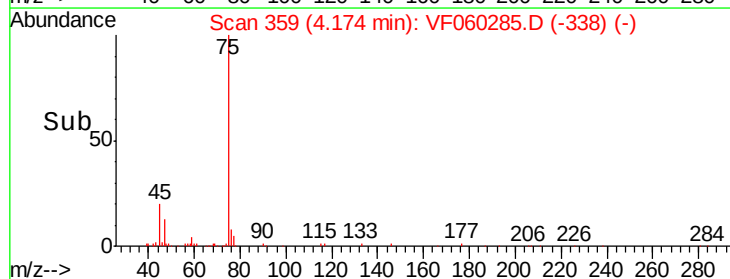
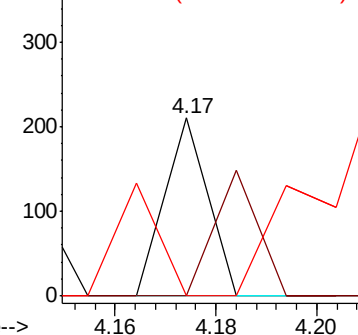
121 0.0 25.4 38.2#

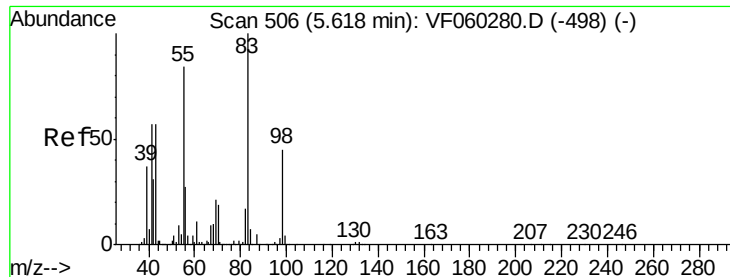


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#39

Methylcyclohexane

Concen: 0.074 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

BFB

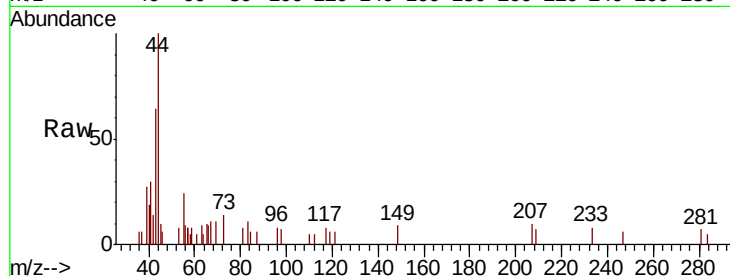
Tgt Ion: 83 Resp: 393

Ion Ratio Lower Upper

83 100

55 215.9 67.3 100.9#

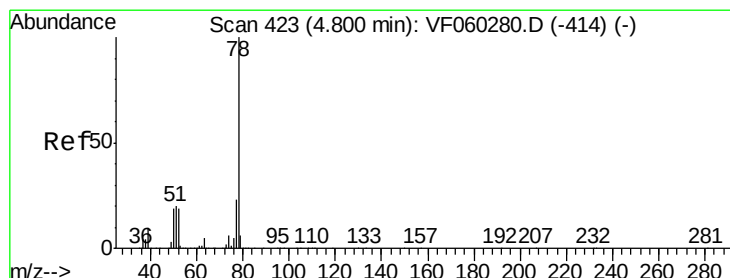
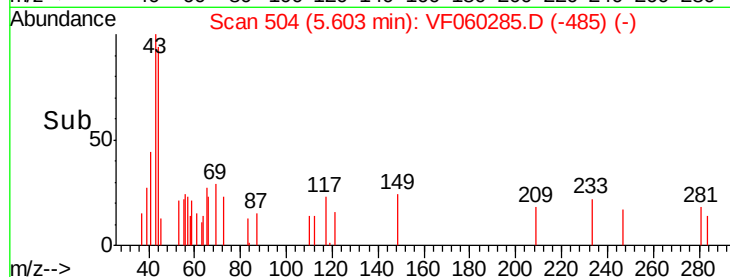
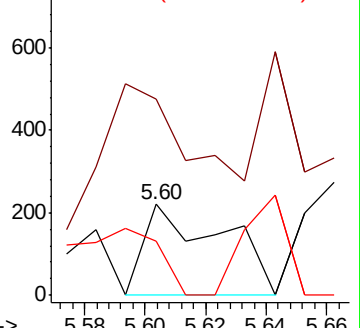
98 59.1 36.1 54.1#



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: 0.112 ug/l

RT: 4.80 min Scan# 422

Delta R.T. -0.00 min

Lab File: VF060285.D

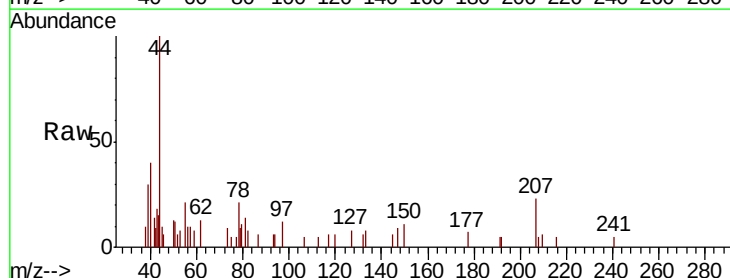
Acq: 19 Sep 2018 17:40

Tgt Ion: 78 Resp: 1249

Ion Ratio Lower Upper

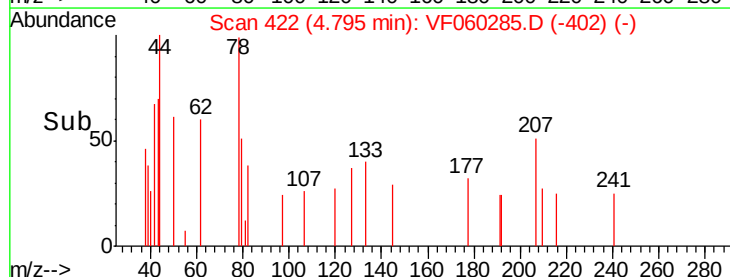
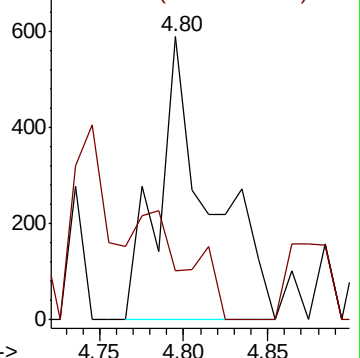
78 100

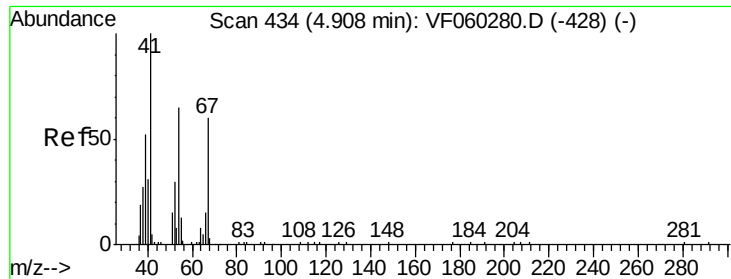
77 17.5 18.4 27.6#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

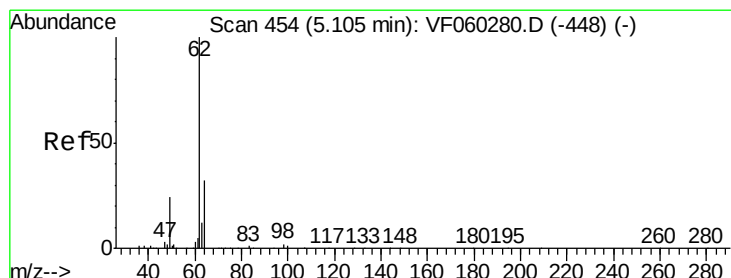
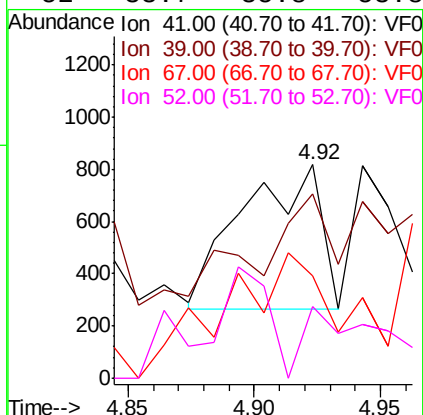
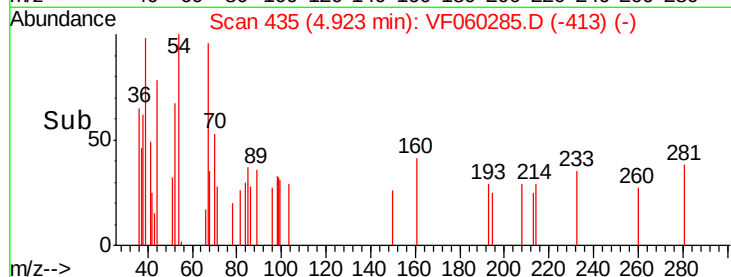
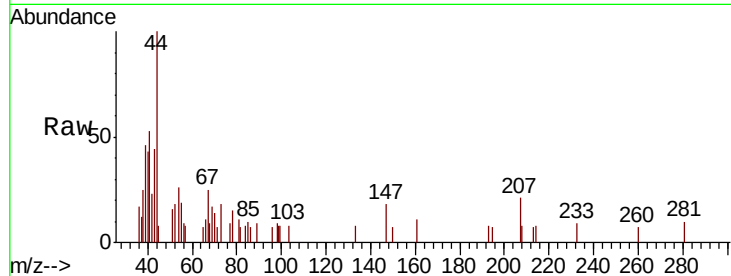




#41
Methacrylonitrile
Concen: 1.065 ug/l
RT: 4.92 min Scan# 435
Delta R.T. 0.02 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

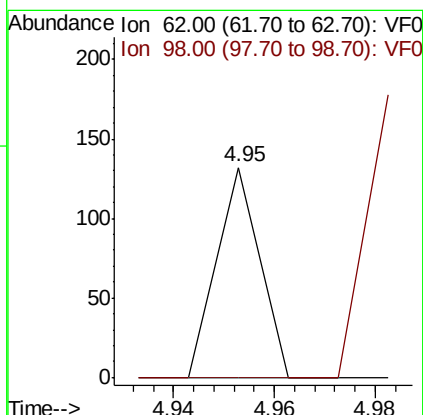
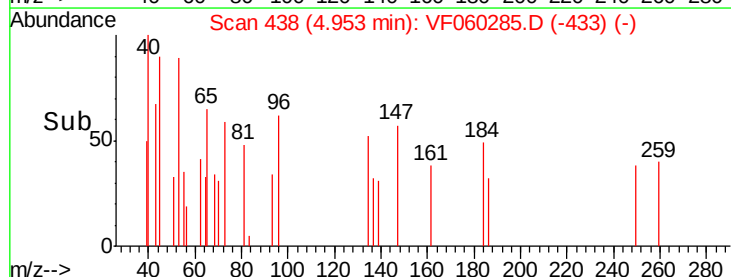
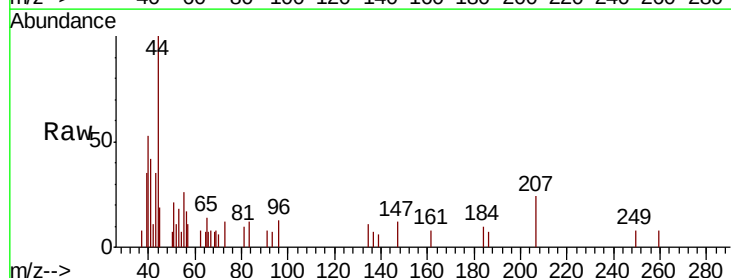
Instrument :
MSVOA_F
ClientSampled :
BFB

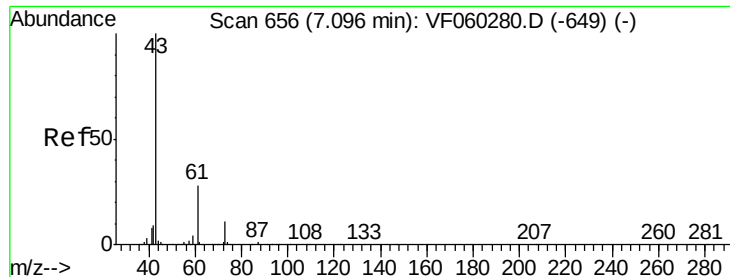
Tgt Ion:	41	Resp:	1197
Ion	Ratio	Lower	Upper
41	100		
39	86.4	49.1	73.7#
67	65.8	48.2	72.4
52	33.7	35.8	53.8#



#42
1,2-Dichloroethane
Concen: 0.019 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.15 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Tgt Ion:	62	Resp:	78
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	14.4





#43

Isopropyl Acetate

Concen: 6.392 ug/l

RT: 7.10 min Scan# 656

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

BFB

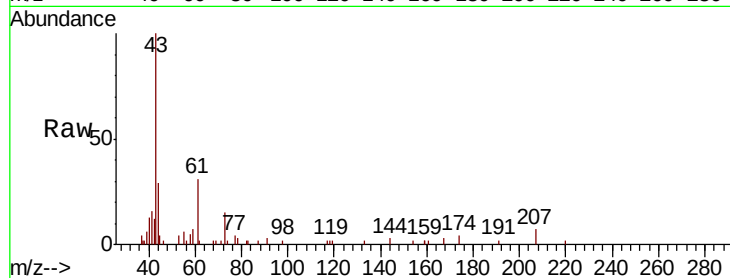
Tgt Ion: 43 Resp: 15945

Ion Ratio Lower Upper

43 100

61 30.6 22.4 33.6

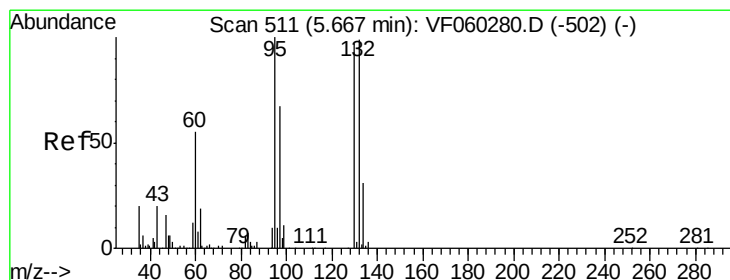
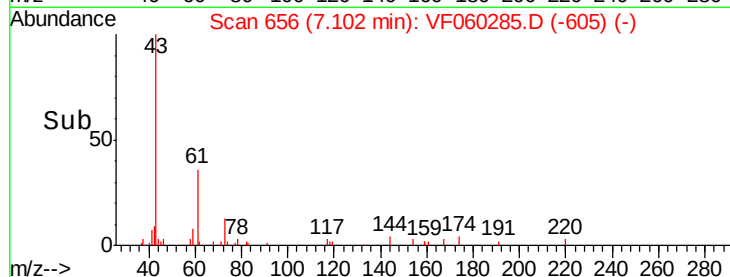
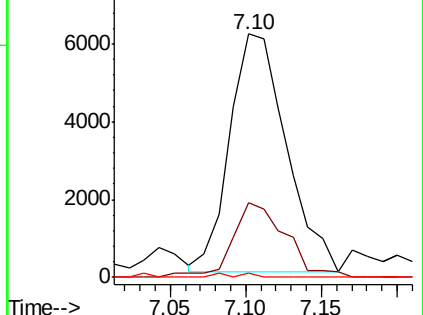
87 1.8 0.6 0.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 0.115 ug/l

RT: 5.66 min Scan# 510

Delta R.T. -0.00 min

Lab File: VF060285.D

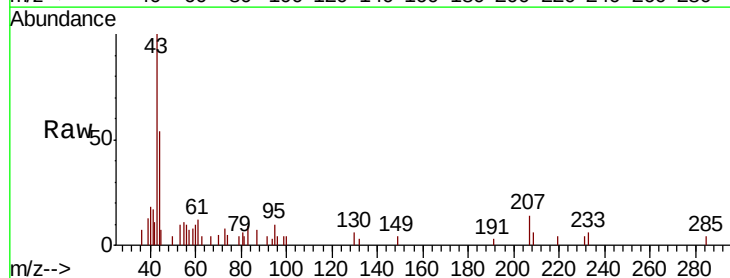
Acq: 19 Sep 2018 17:40

Tgt Ion: 130 Resp: 381

Ion Ratio Lower Upper

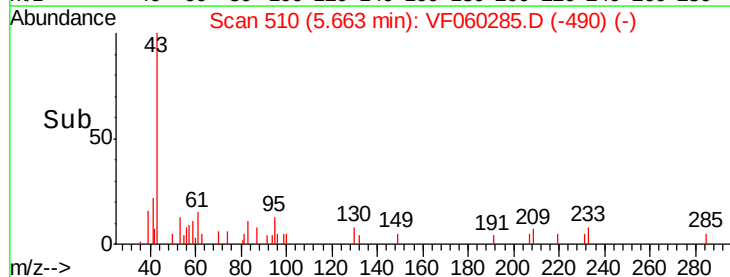
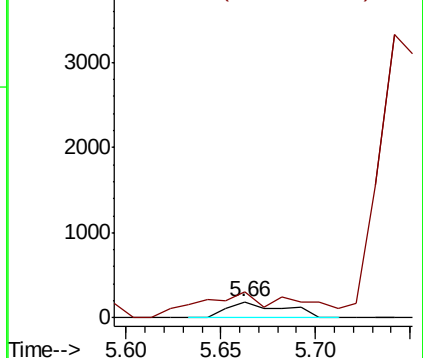
130 100

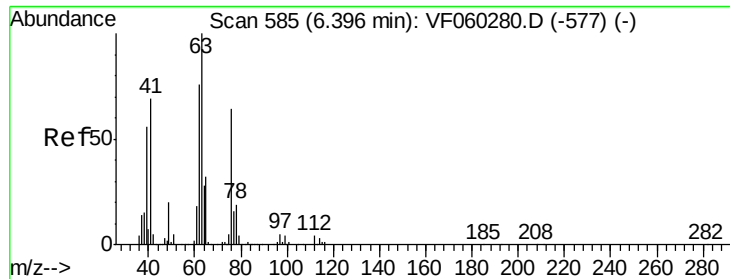
95 165.1 0.0 205.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 0.070 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampled :

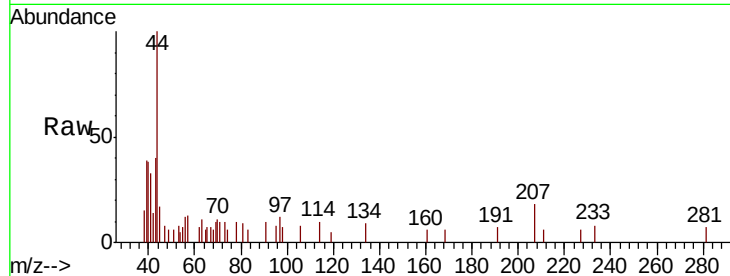
BFB

Tgt Ion: 63 Resp: 201

Ion Ratio Lower Upper

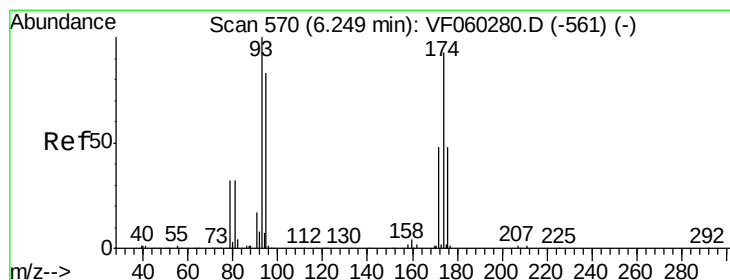
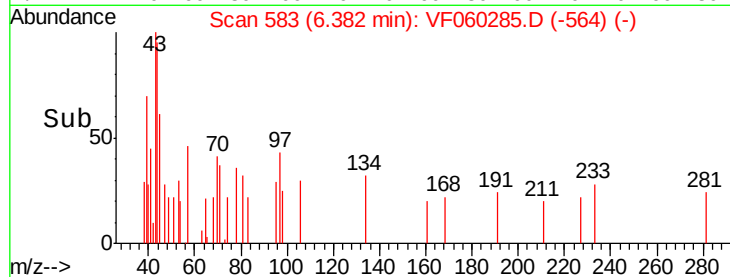
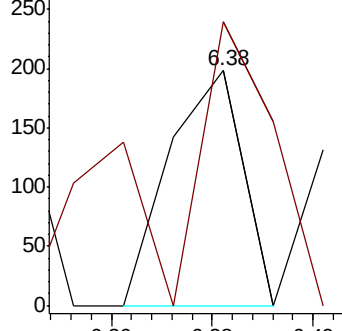
63 100

65 120.7 26.2 39.4#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 0.084 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

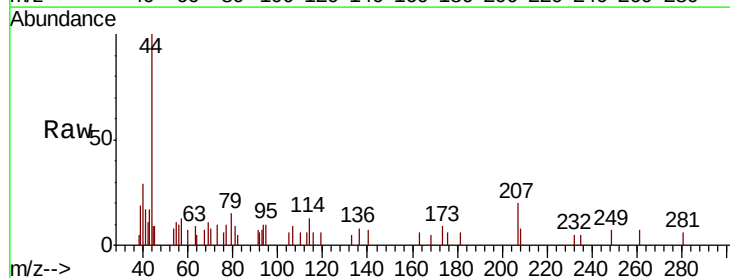
Tgt Ion: 93 Resp: 172

Ion Ratio Lower Upper

93 100

95 139.7 67.0 100.6#

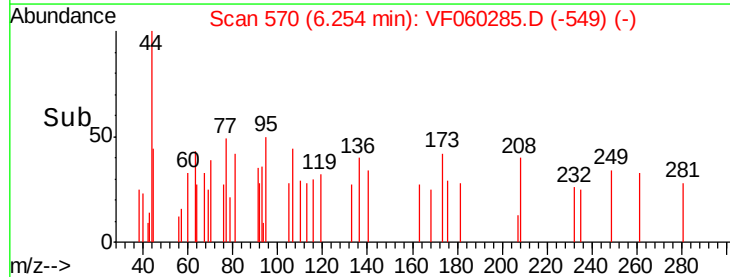
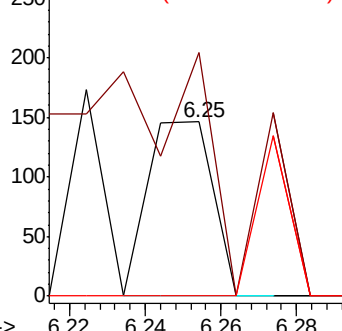
174 0.0 74.8 112.2#

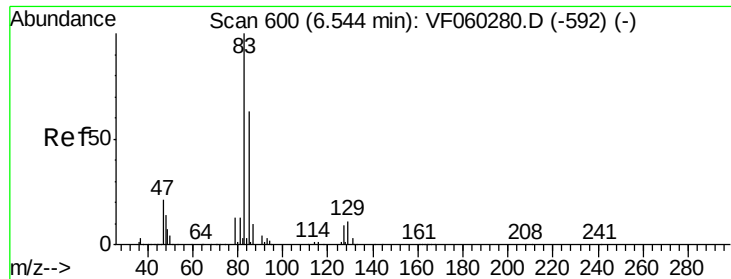


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 0.052 ug/l

RT: 6.53 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampled :

BFB

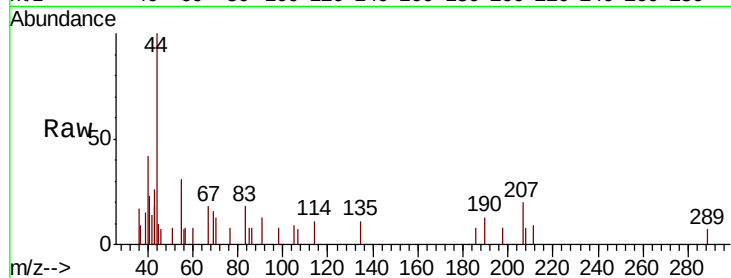
Tgt Ion: 83 Resp: 258

Ion Ratio Lower Upper

83 100

85 43.8 50.6 76.0#

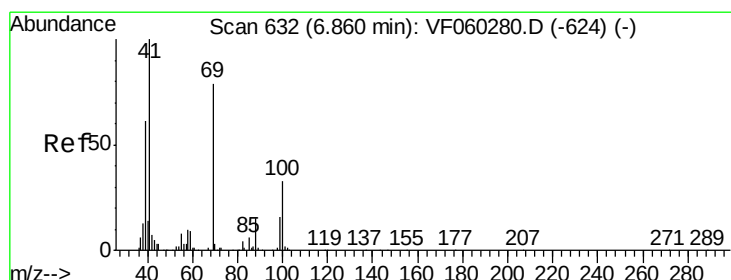
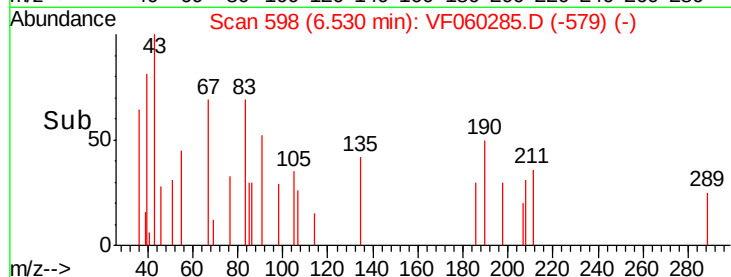
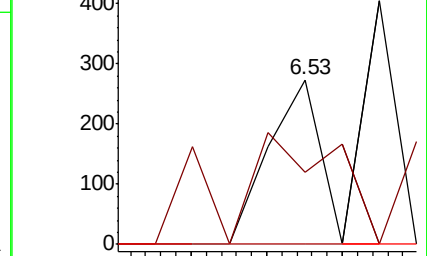
127 0.0 7.1 10.7#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 2.680 ug/l

RT: 6.88 min Scan# 633

Delta R.T. 0.02 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

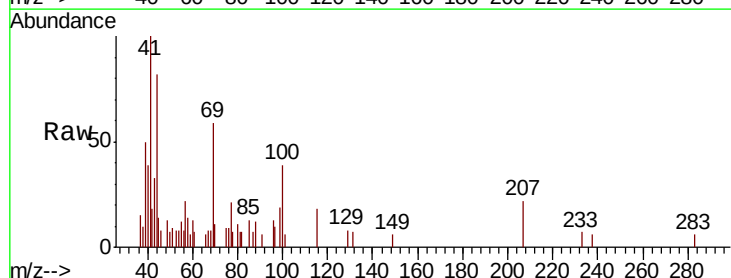
Tgt Ion: 41 Resp: 4694

Ion Ratio Lower Upper

41 100

69 58.7 62.6 94.0#

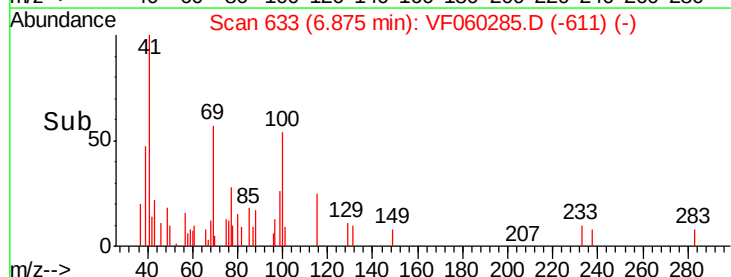
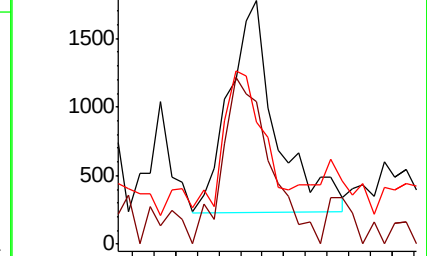
39 50.0 49.1 73.7

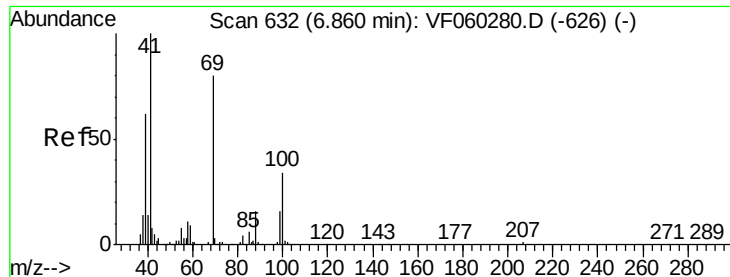


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

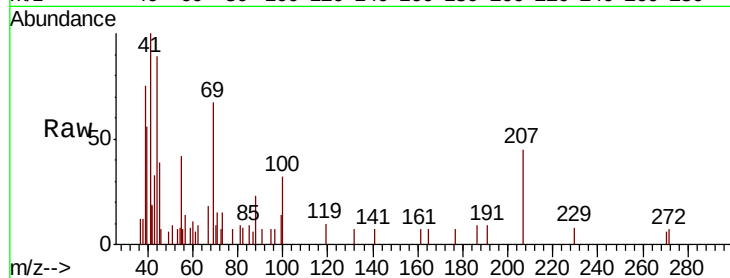




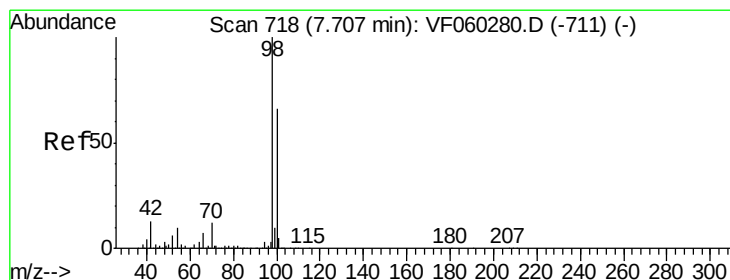
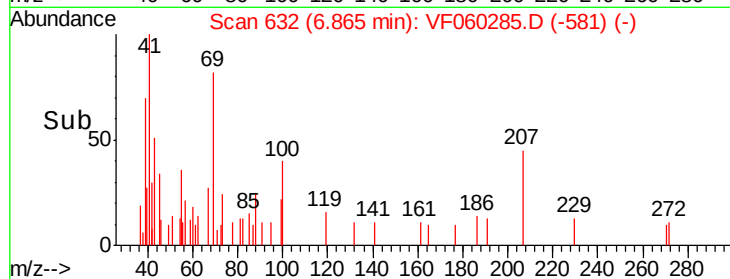
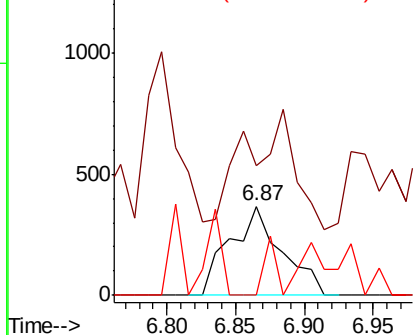
#49
1,4-Dioxane
Concen: 61.106 ug/l
RT: 6.87 min Scan# 632
Delta R.T. 0.01 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Instrument :
MSVOA_F
ClientSampled :
BFB

Tgt Ion: 88 Resp: 956
Ion Ratio Lower Upper
88 100
43 146.3 40.2 60.4#
58 0.0 56.7 85.1#

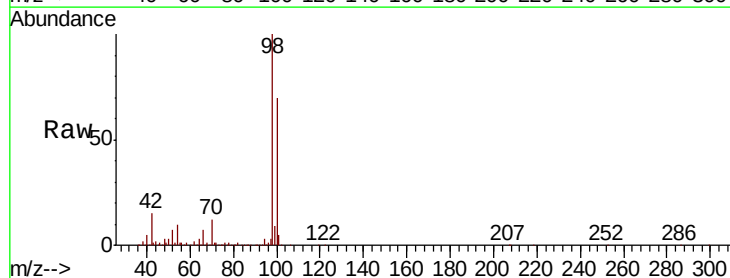


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

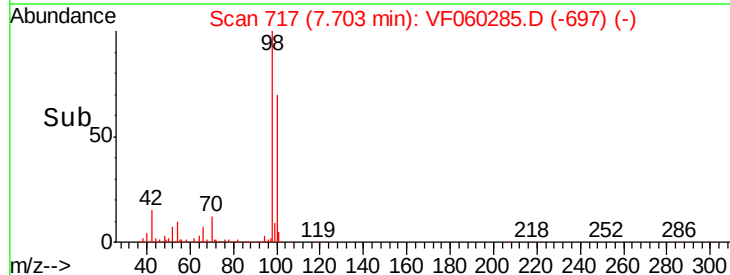
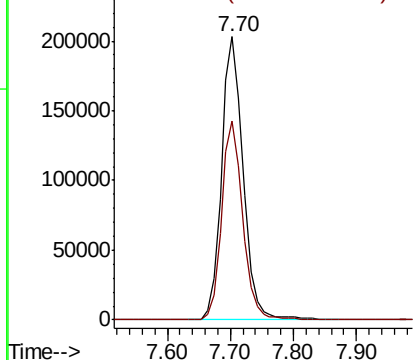


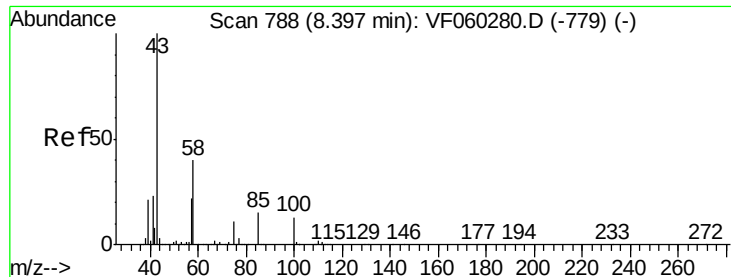
#50
Toluene-d8
Concen: 53.233 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.00 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Tgt Ion: 98 Resp: 485194
Ion Ratio Lower Upper
98 100
100 70.4 53.0 79.6



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

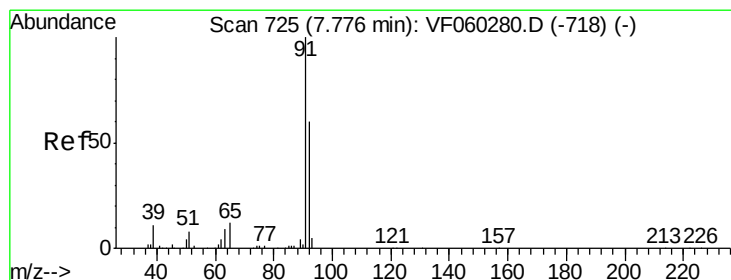
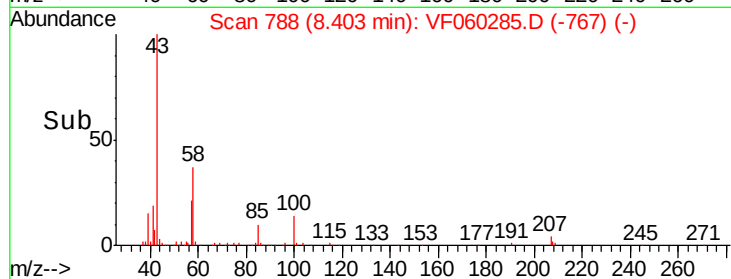
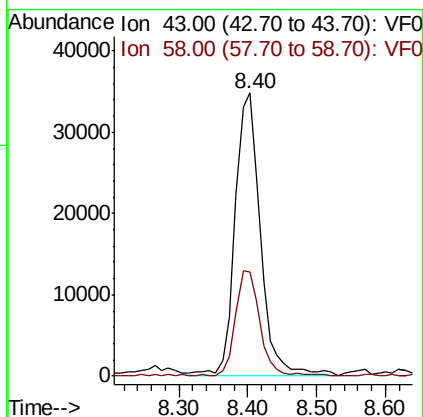
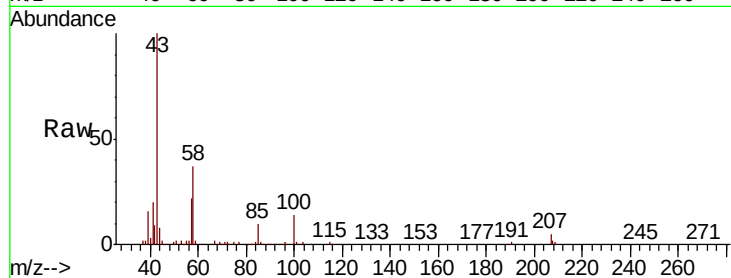




#51
 4-Methyl-2-Pentanone
 Concen: 46.582 ug/l
 RT: 8.40 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

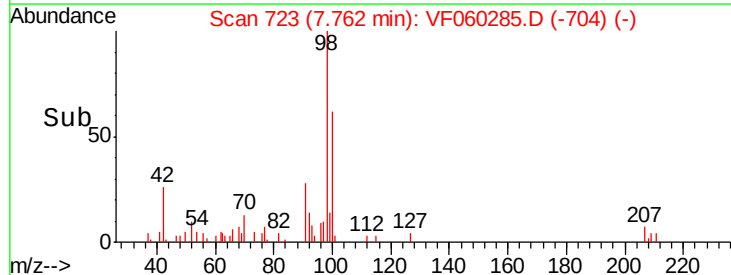
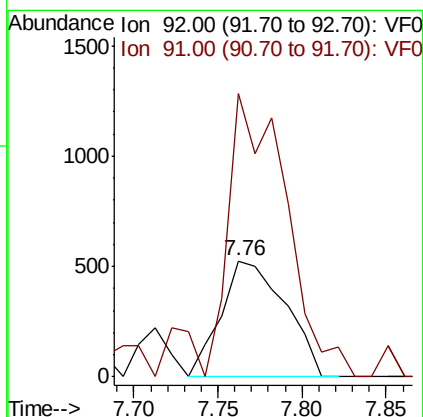
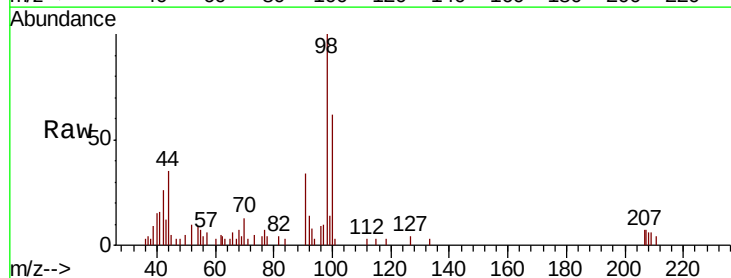
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

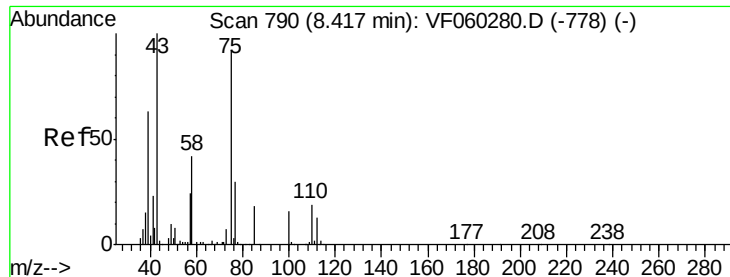
Tgt Ion: 43 Resp: 89565
 Ion Ratio Lower Upper
 43 100
 58 36.8 31.8 47.8



#52
 Toluene
 Concen: 0.199 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

Tgt Ion: 92 Resp: 1395
 Ion Ratio Lower Upper
 92 100
 91 244.2 133.3 199.9#





#53

t-1,3-Dichloropropene

Concen: 0.281 ug/l

RT: 8.43 min Scan# 791

Delta R.T. 0.02 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampled :

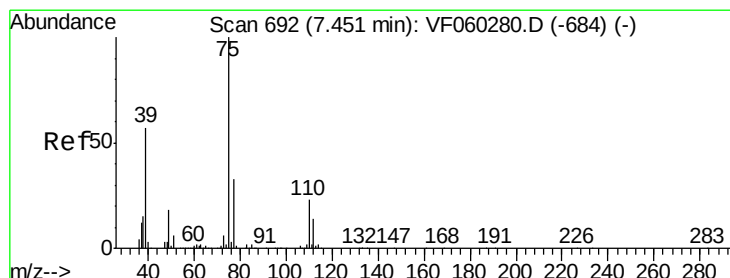
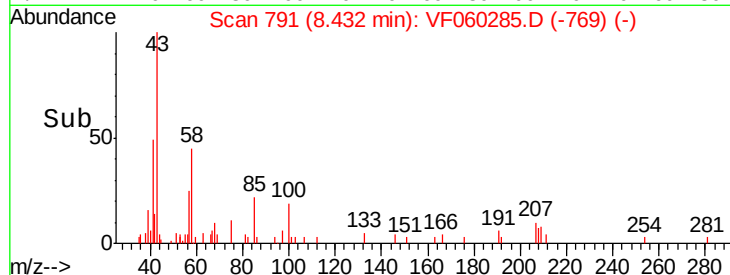
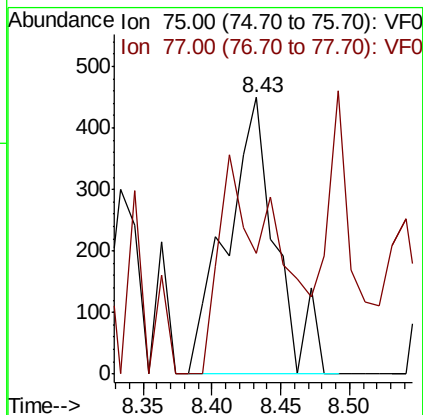
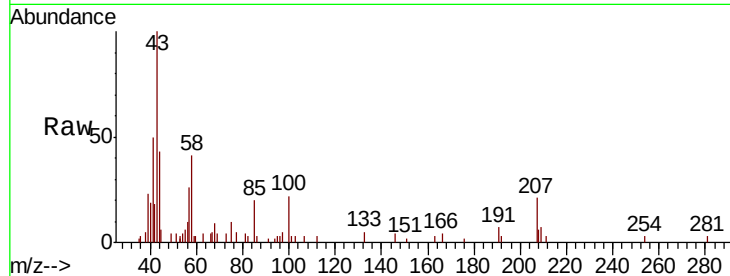
BFB

Tgt Ion: 75 Resp: 1118

Ion Ratio Lower Upper

75 100

77 43.8 25.9 38.9#



#54

cis-1,3-Dichloropropene

Concen: 0.142 ug/l

RT: 7.45 min Scan# 691

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

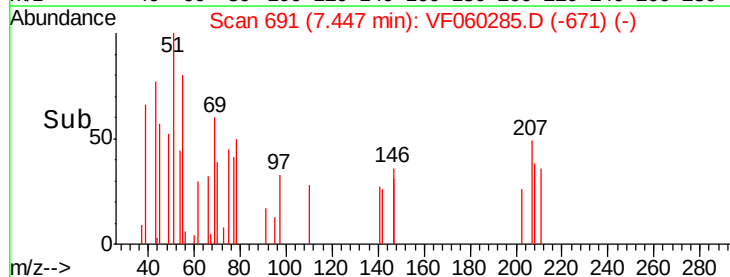
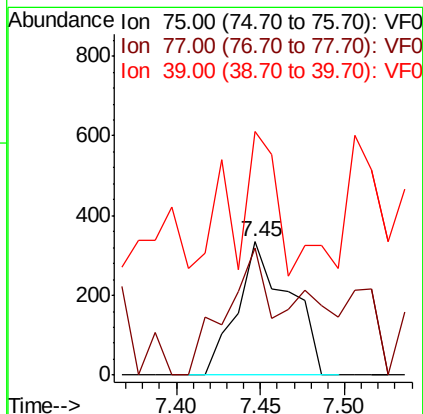
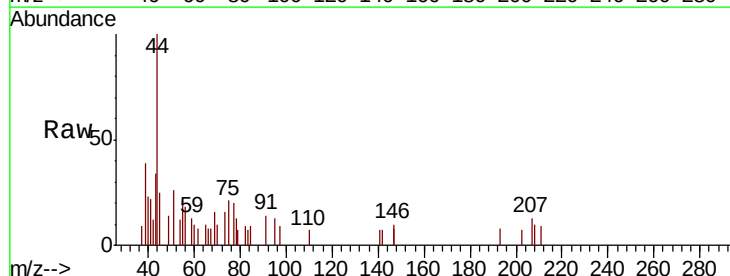
Tgt Ion: 75 Resp: 714

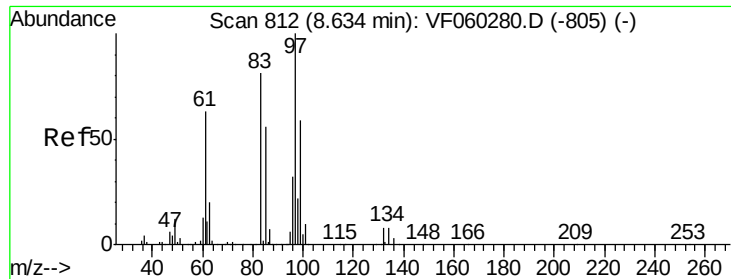
Ion Ratio Lower Upper

75 100

77 95.2 26.3 39.5#

39 182.4 46.1 69.1#





#55

1,1,2-Trichloroethane

Concen: 0.298 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 636

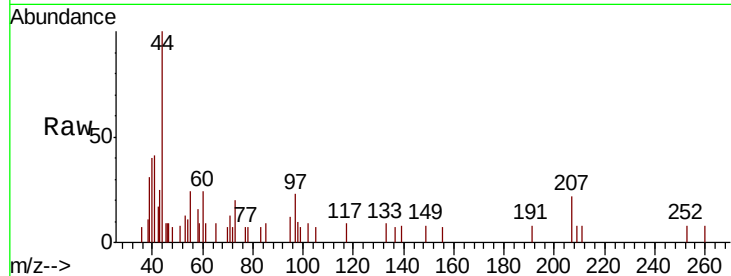
Ion Ratio Lower Upper

97 100

83 31.3 65.3 97.9#

85 39.8 44.7 67.1#

99 30.1 47.0 70.4#

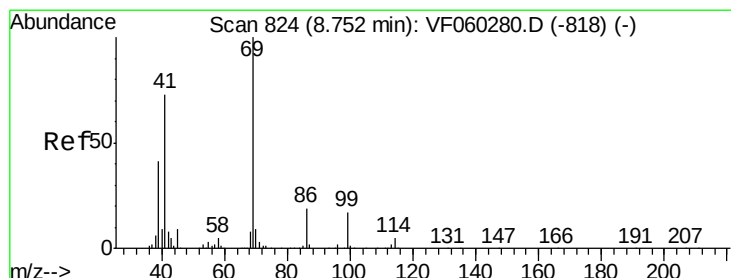
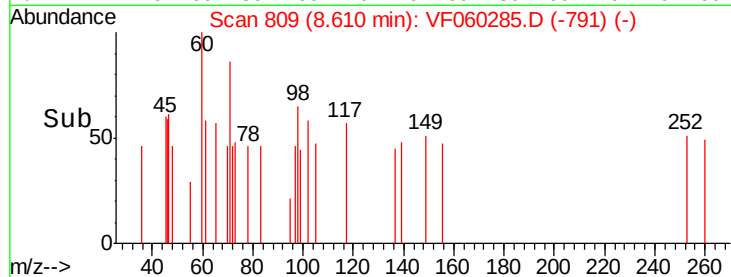
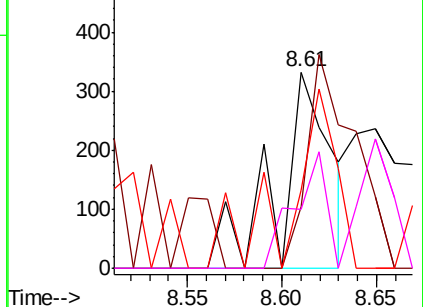


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 7.981 ug/l

RT: 8.75 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

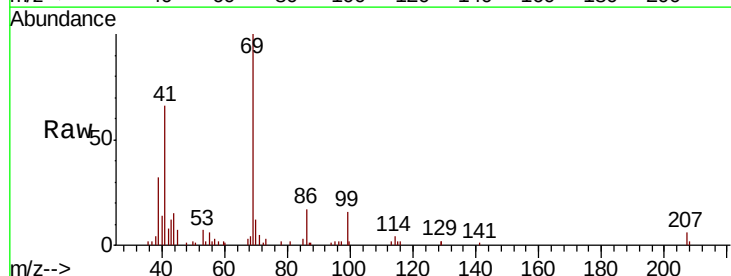
Tgt Ion: 69 Resp: 20553

Ion Ratio Lower Upper

69 100

41 65.7 59.4 89.2

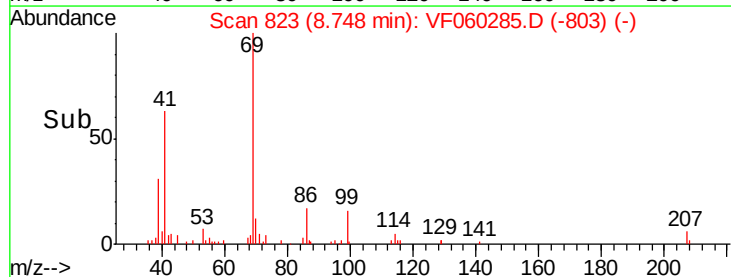
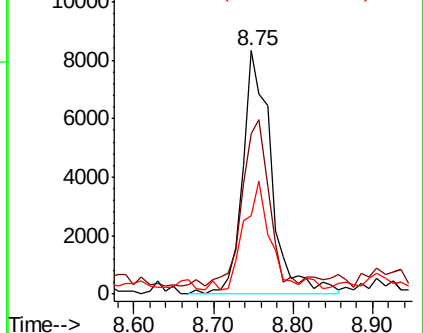
39 32.2 33.5 50.3#

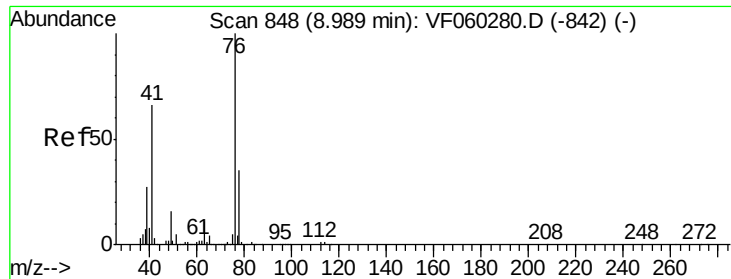


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 0.474 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

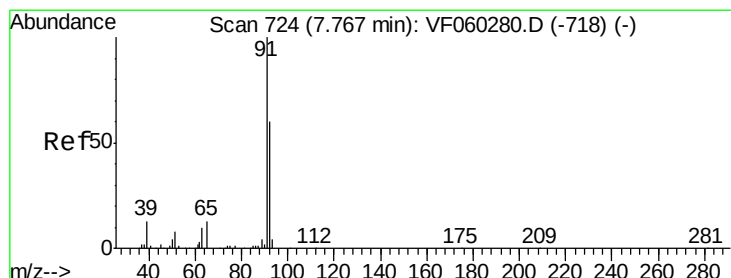
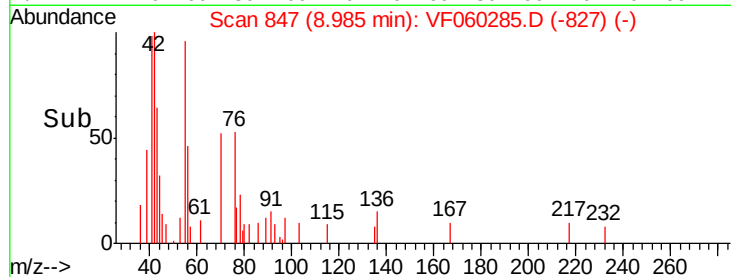
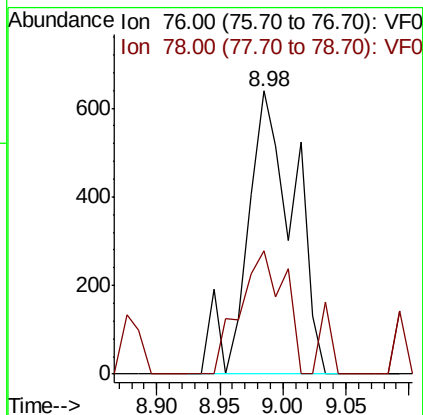
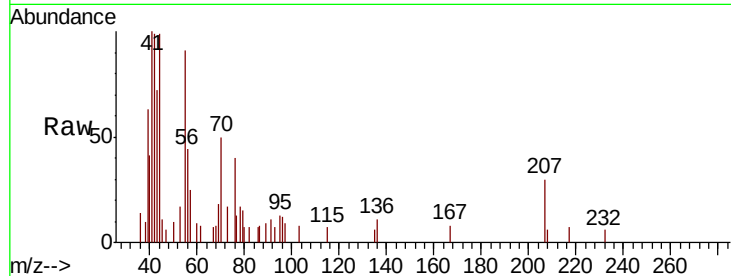
BFB

Tgt Ion: 76 Resp: 1674

Ion Ratio Lower Upper

76 100

78 43.7 28.2 42.2#



#58

2-Chloroethyl Vinyl ether

Concen: 0.307 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.02 min

Lab File: VF060285.D

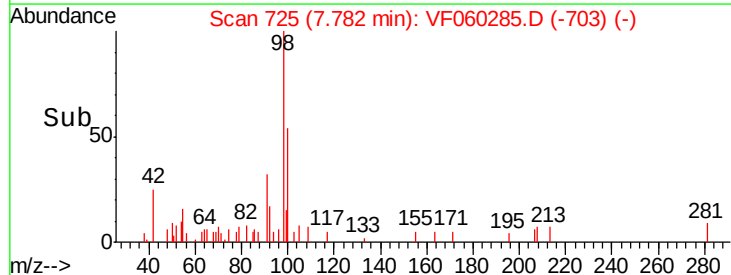
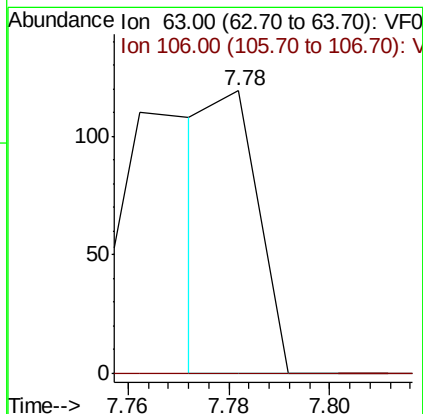
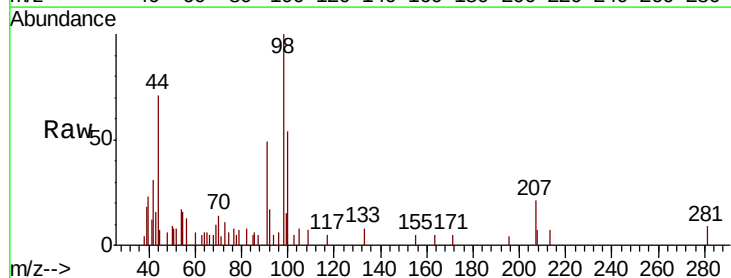
Acq: 19 Sep 2018 17:40

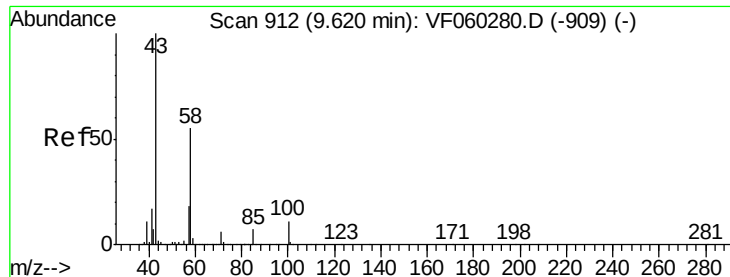
Tgt Ion: 63 Resp: 70

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

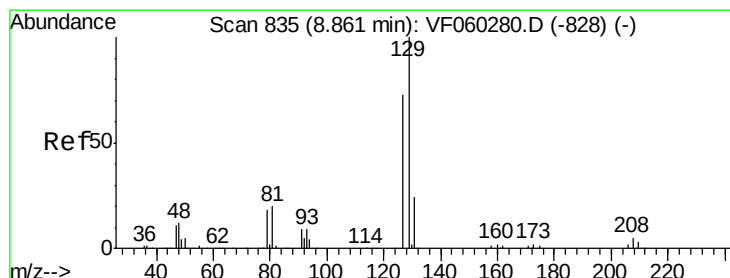
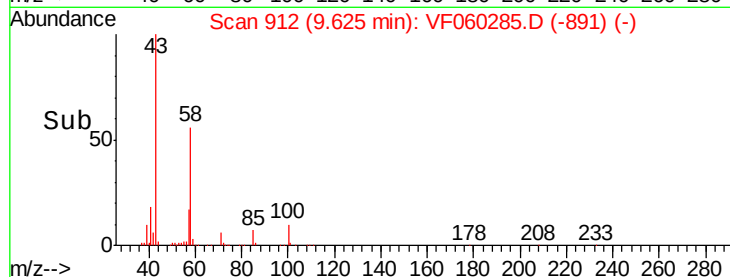
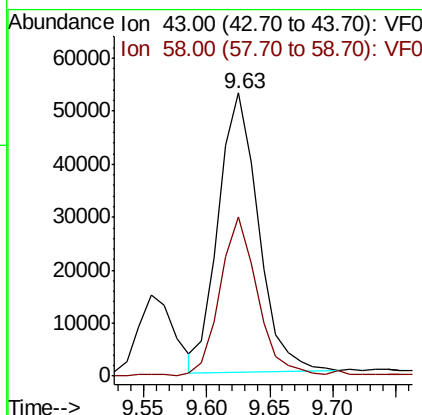
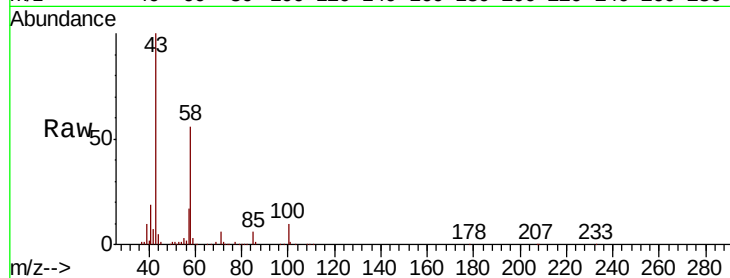




#59
2-Hexanone
Concen: 85.130 ug/l
RT: 9.63 min Scan# 912
Delta R.T. 0.01 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

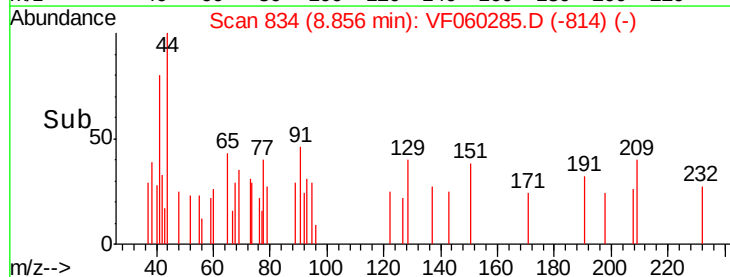
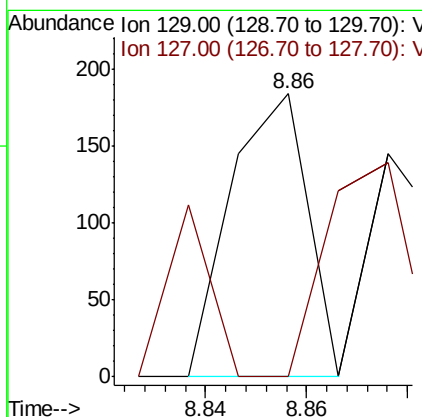
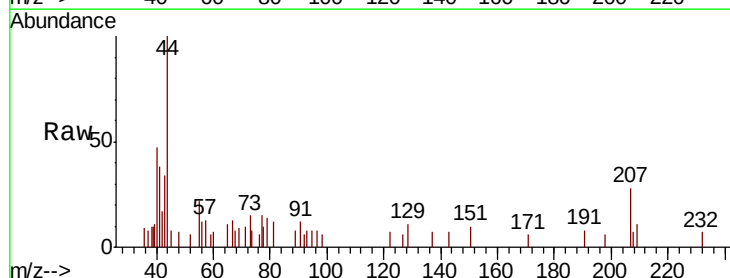
Instrument :
MSVOA_F
ClientSampled :
BFB

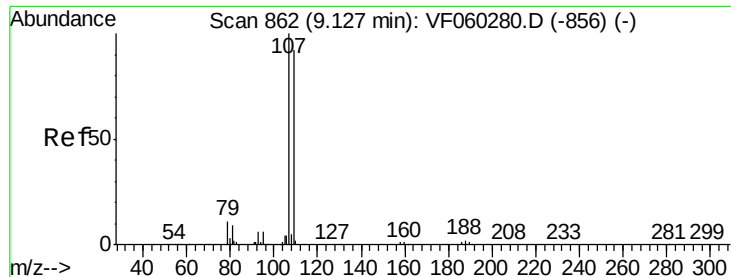
Tgt Ion: 43 Resp: 116543
Ion Ratio Lower Upper
43 100
58 56.2 25.9 77.6



#60
Dibromochloromethane
Concen: 0.061 ug/l
RT: 8.86 min Scan# 834
Delta R.T. -0.00 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Tgt Ion: 129 Resp: 195
Ion Ratio Lower Upper
129 100
127 0.0 36.6 109.8#





#61

1,2-Dibromoethane

Concen: 0.124 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

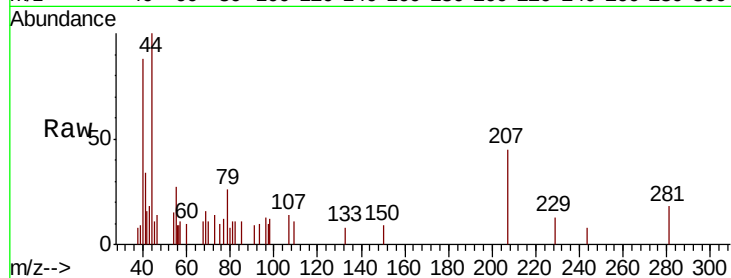
BFB

Tgt Ion: 107 Resp: 294

Ion Ratio Lower Upper

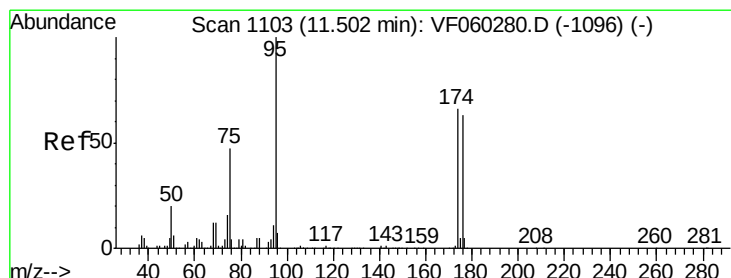
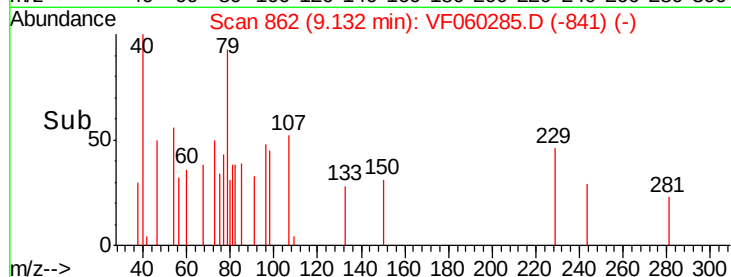
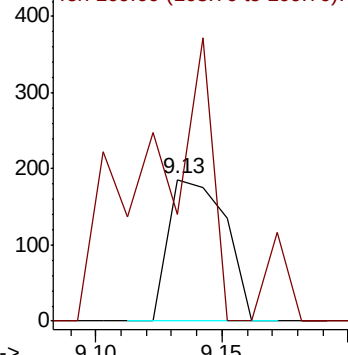
107 100

109 75.3 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.746 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

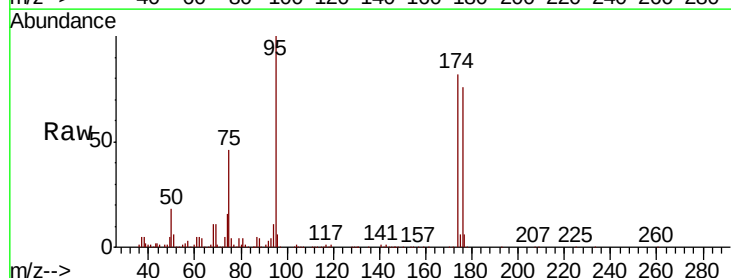
Tgt Ion: 95 Resp: 211756

Ion Ratio Lower Upper

95 100

174 81.7 0.0 131.2

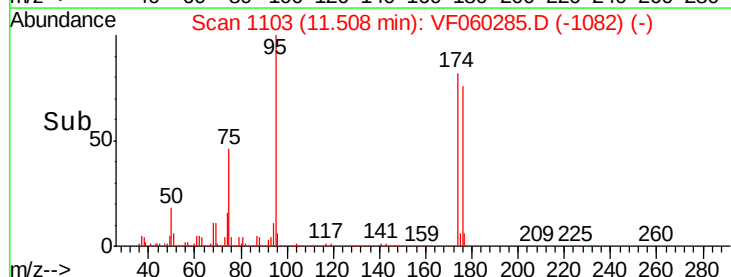
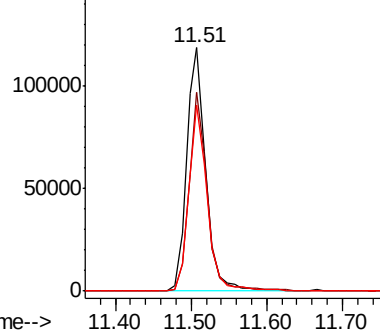
176 76.2 0.0 126.6

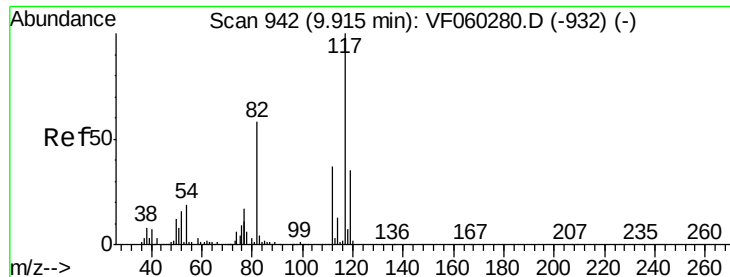


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

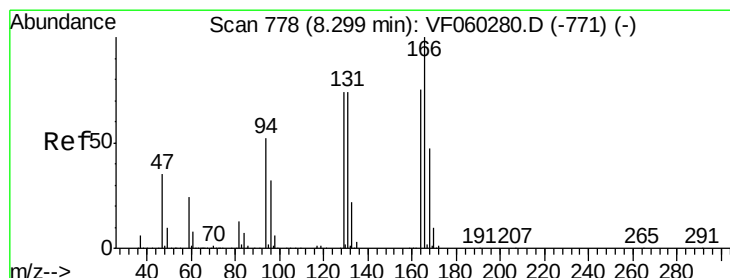
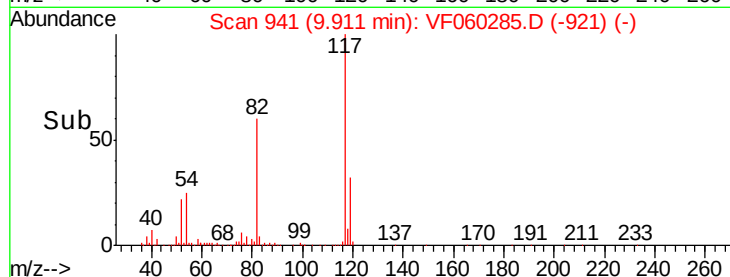
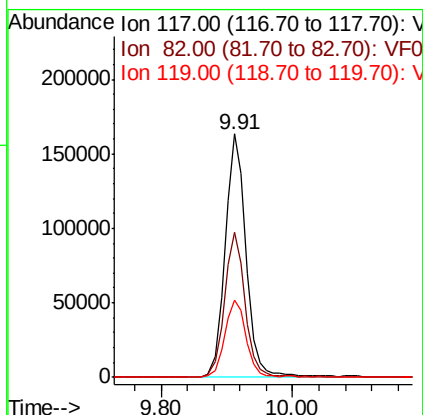
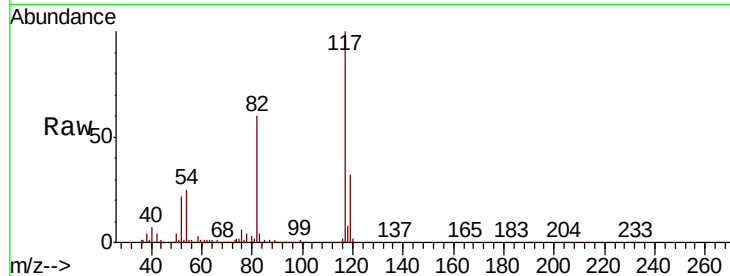




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.00 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

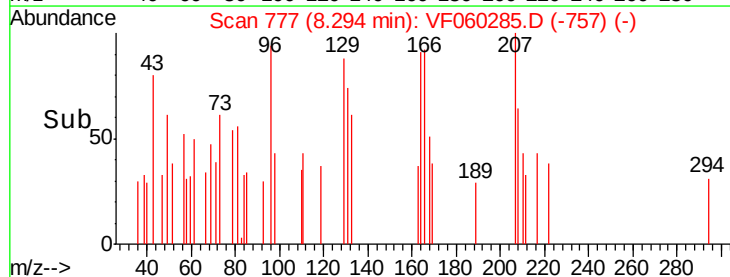
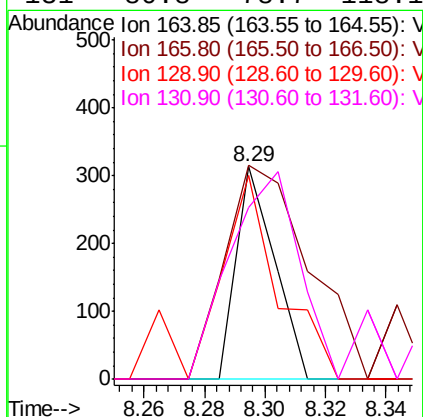
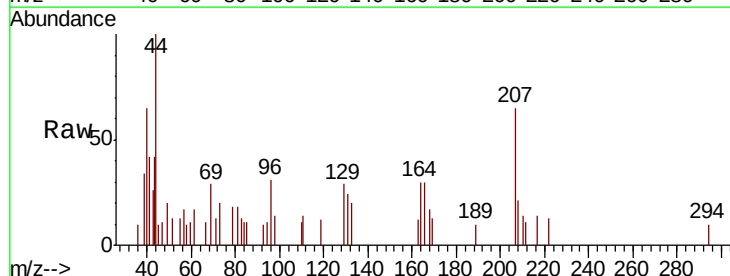
Instrument :
MSVOA_F
ClientSampled :
BFB

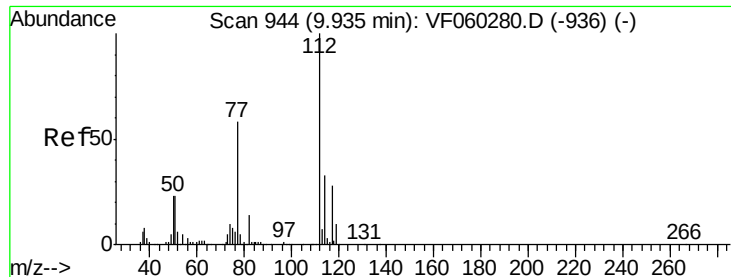
Tgt Ion:117 Resp: 362512
Ion Ratio Lower Upper
117 100
82 59.5 46.2 69.2
119 31.5 27.8 41.6



#64
Tetrachloroethene
Concen: 0.085 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.00 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Tgt Ion:164 Resp: 279
Ion Ratio Lower Upper
164 100
166 100.6 106.8 160.2#
129 96.2 78.8 118.2
131 80.8 78.7 118.1

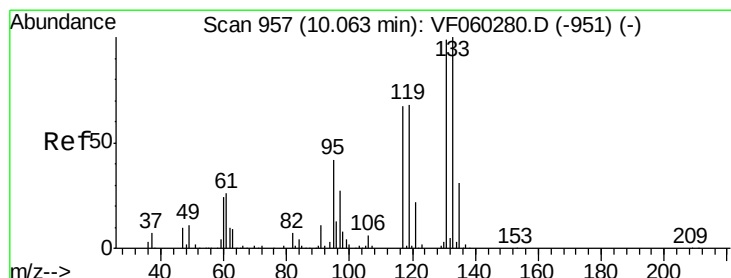
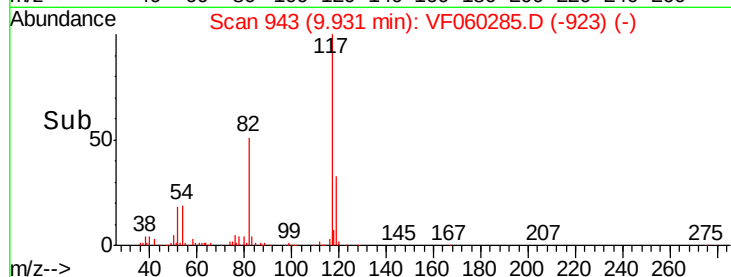
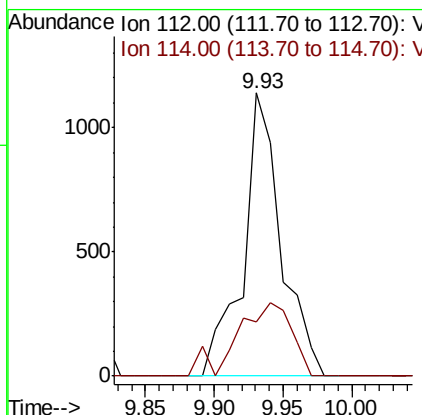
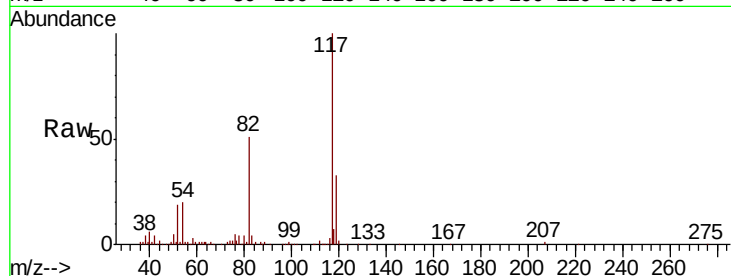




#65
Chlorobenzene
Concen: 0.266 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

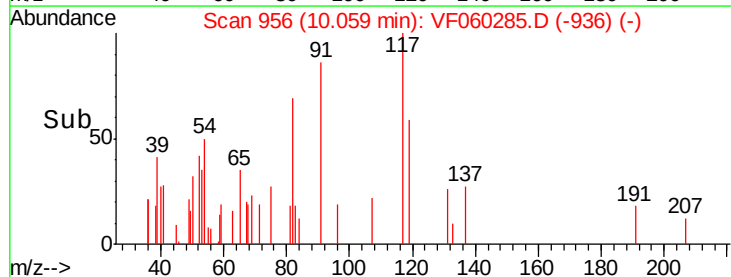
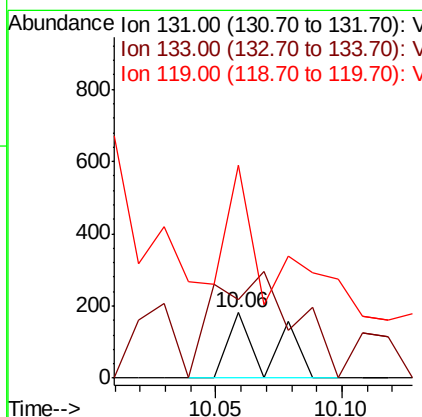
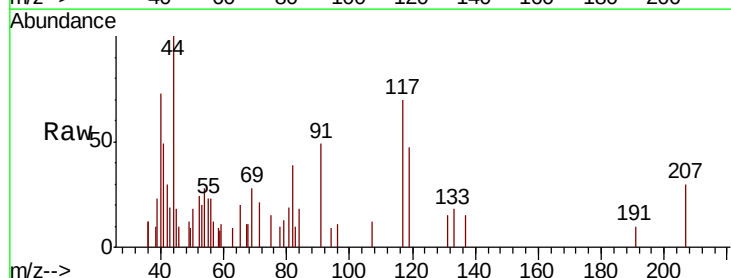
Instrument :
MSVOA_F
ClientSampleId :
BFB

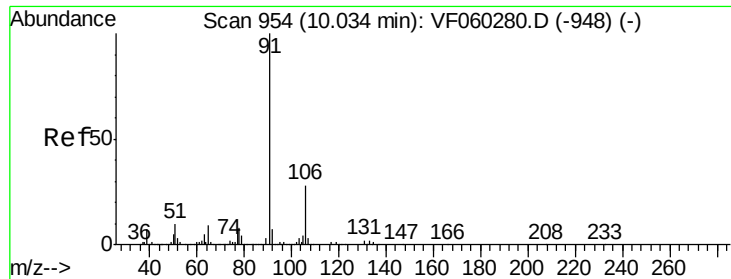
Tgt Ion:112 Resp: 2186
Ion Ratio Lower Upper
112 100
114 19.4 26.6 40.0#



#66
1,1,1,2-Tetrachloroethane
Concen: 0.059 ug/l
RT: 10.06 min Scan# 956
Delta R.T. -0.00 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Tgt Ion:131 Resp: 200
Ion Ratio Lower Upper
131 100
133 120.3 50.4 151.2
119 323.1 34.8 104.3#





#67

Ethyl Benzene

Concen: 0.315 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

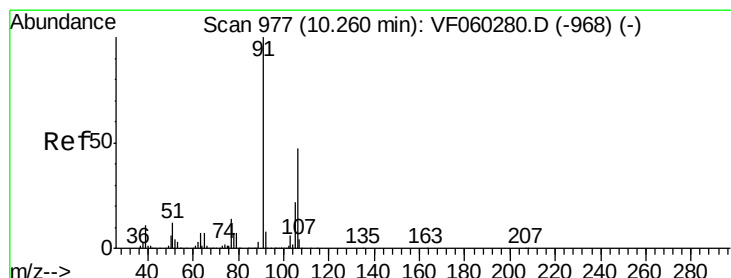
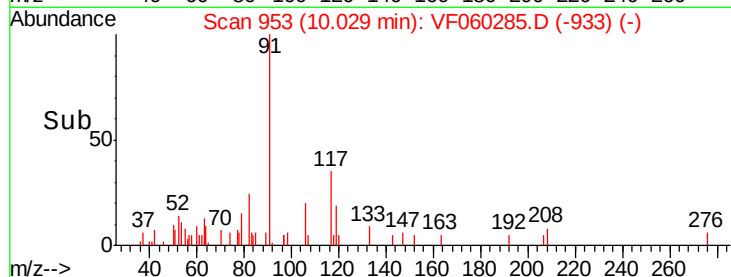
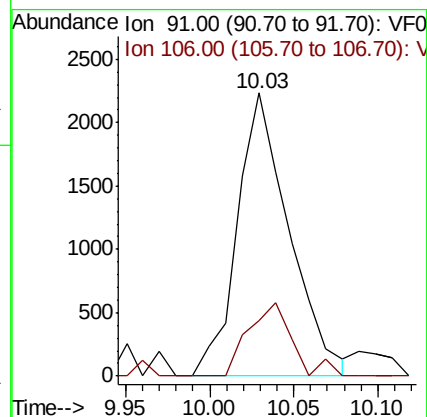
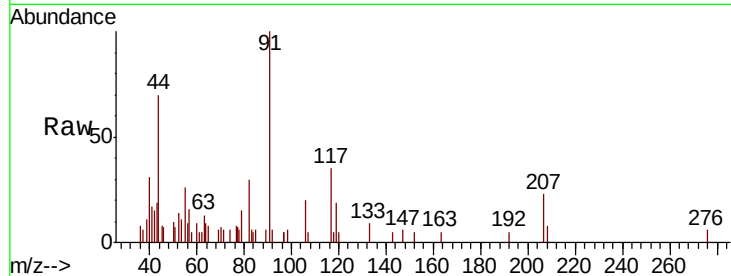
BFB

Tgt Ion: 91 Resp: 4779

Ion Ratio Lower Upper

91 100

106 19.6 22.7 34.1#



#68

m/p-Xylenes

Concen: 0.742 ug/l

RT: 10.27 min Scan# 977

Delta R.T. 0.01 min

Lab File: VF060285.D

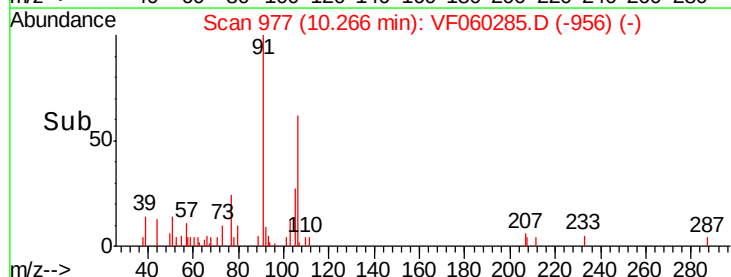
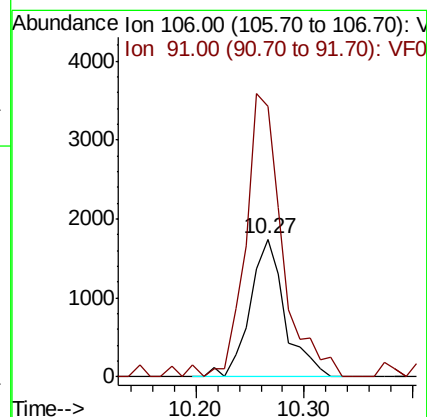
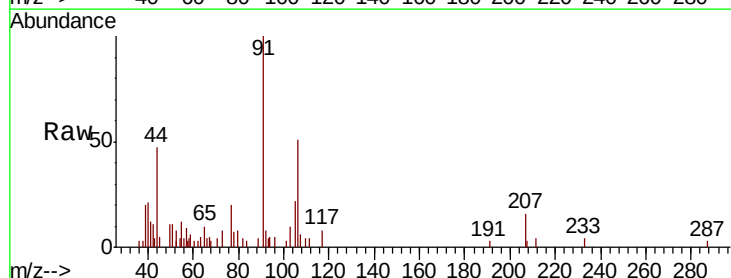
Acq: 19 Sep 2018 17:40

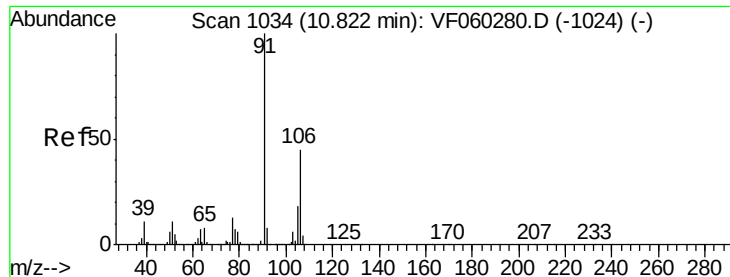
Tgt Ion: 106 Resp: 3892

Ion Ratio Lower Upper

106 100

91 196.8 172.3 258.5

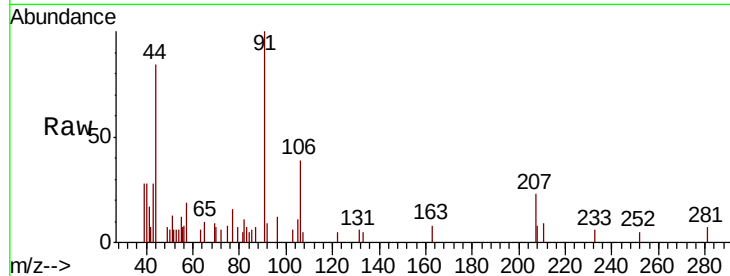




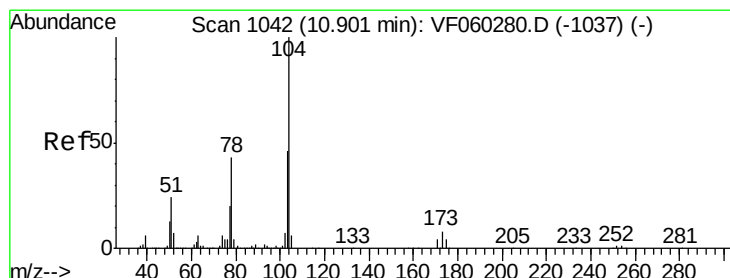
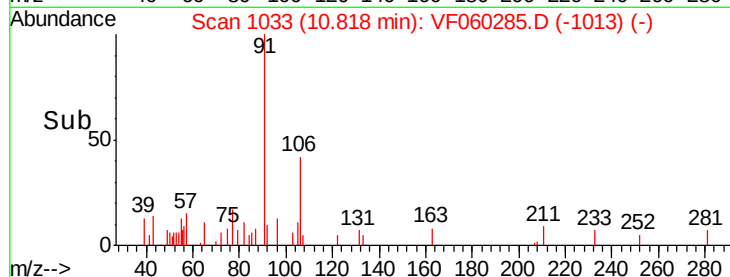
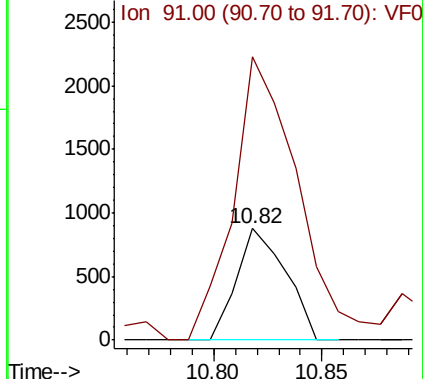
#69
o-Xylene
Concen: 0.234 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Instrument :
MSVOA_F
ClientSampled :
BFB

Tgt Ion:106 Resp: 1379
Ion Ratio Lower Upper
106 100
91 253.2 110.9 332.6

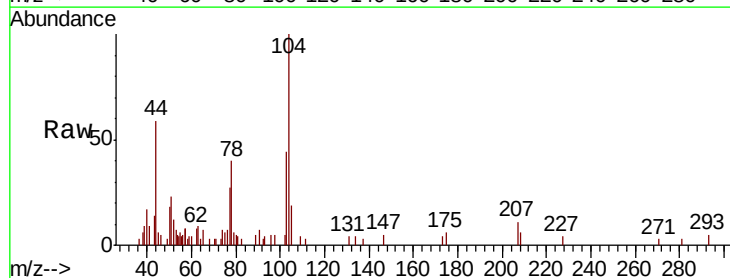


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

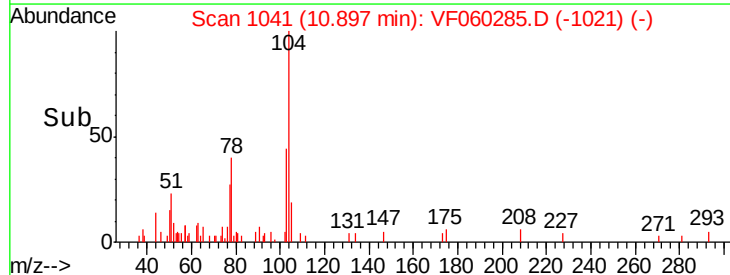
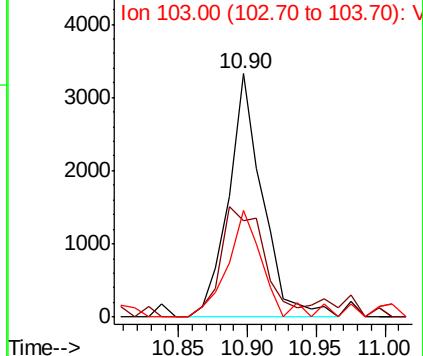


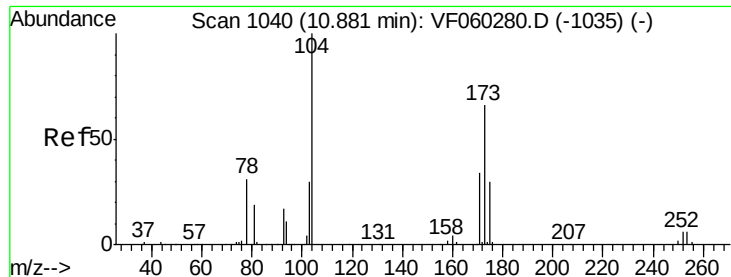
#70
Styrene
Concen: 0.688 ug/l
RT: 10.90 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Tgt Ion:104 Resp: 5714
Ion Ratio Lower Upper
104 100
78 39.6 35.0 52.6
103 43.8 37.4 56.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.209 ug/l

RT: 10.87 min Scan# 1038

Delta R.T. -0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

BFB

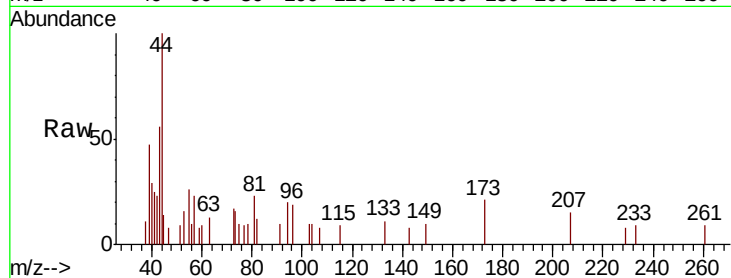
Tgt Ion:173 Resp: 391

Ion Ratio Lower Upper

173 100

175 0.0 22.3 66.9#

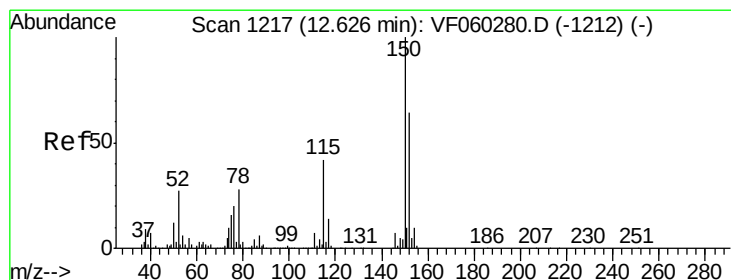
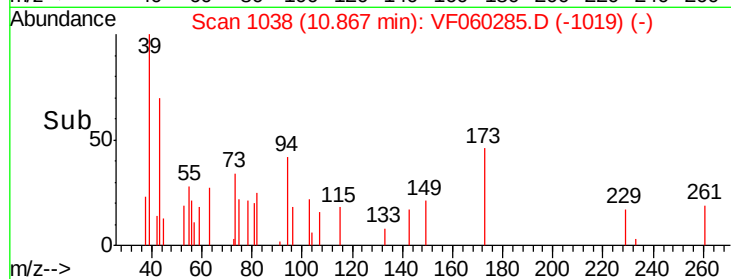
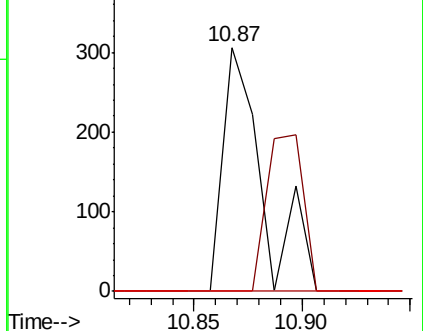
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

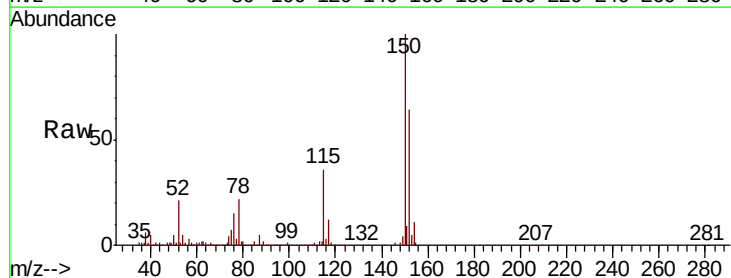
Tgt Ion:152 Resp: 199553

Ion Ratio Lower Upper

152 100

115 57.2 32.6 97.8

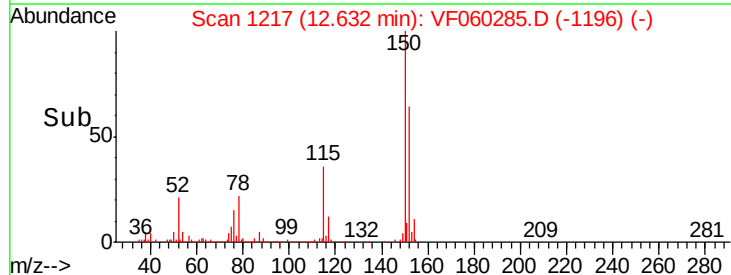
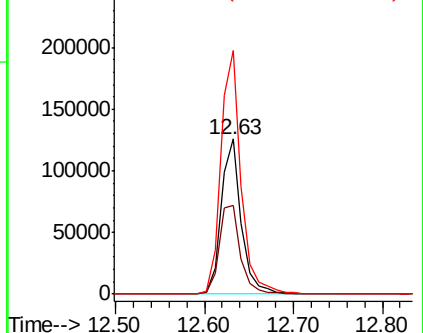
150 157.0 0.0 314.2

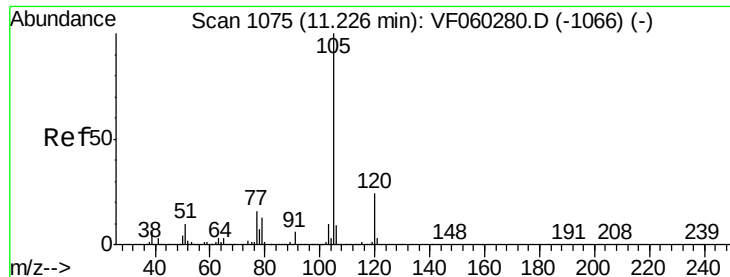


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 0.250 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

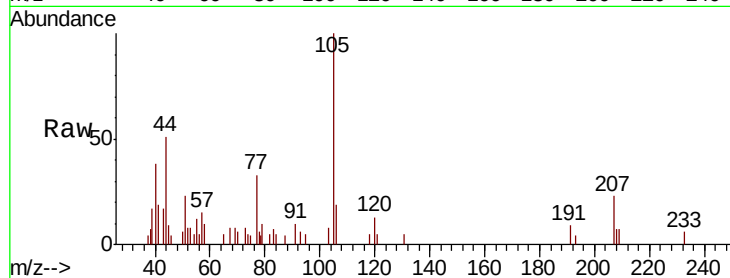
BFB

Tgt Ion: 105 Resp: 4486

Ion Ratio Lower Upper

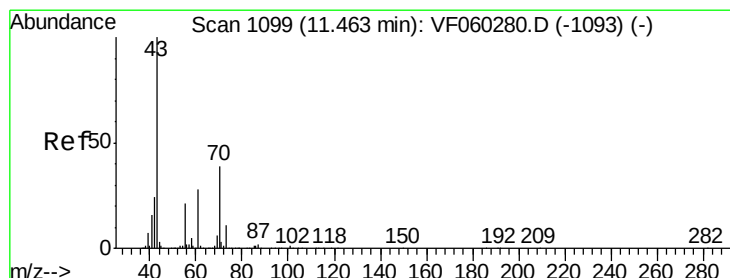
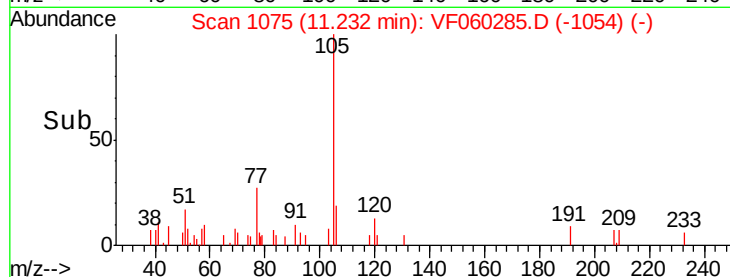
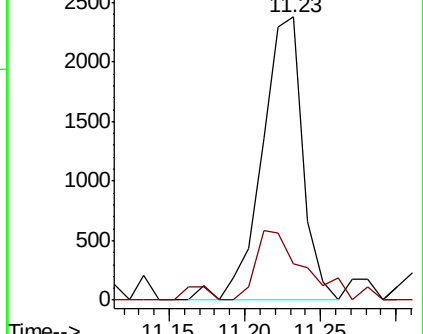
105 100

120 13.0 12.2 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.712 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Tgt Ion: 43 Resp: 71483

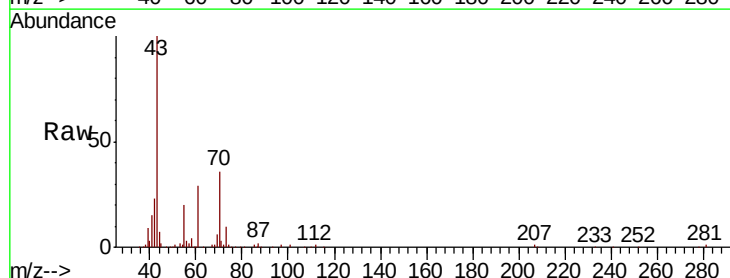
Ion Ratio Lower Upper

43 100

70 36.0 31.4 47.2

55 20.4 16.8 25.2

61 29.0 22.6 34.0

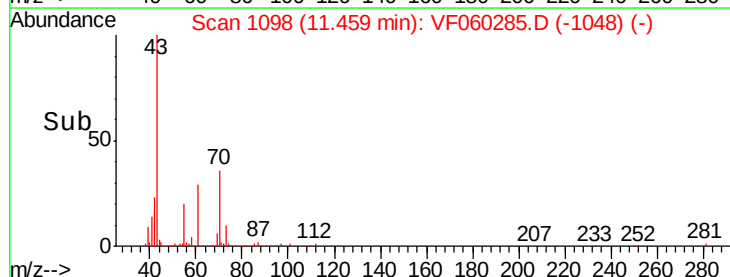
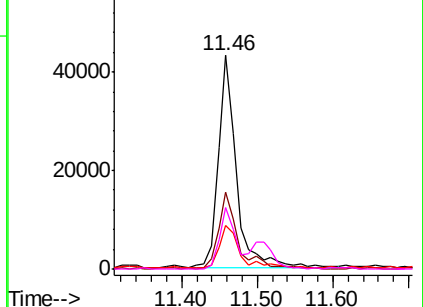


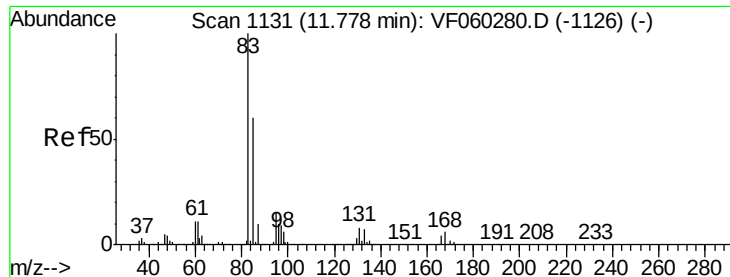
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.226 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampled :

BFB

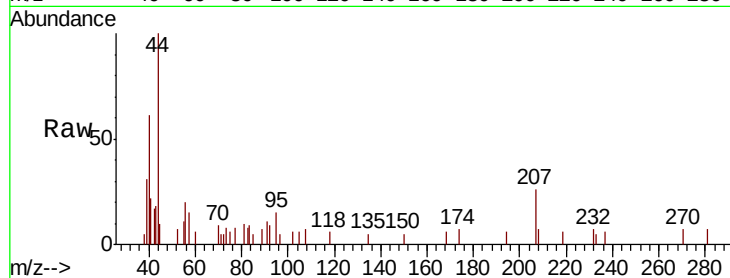
Tgt Ion: 83 Resp: 716

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

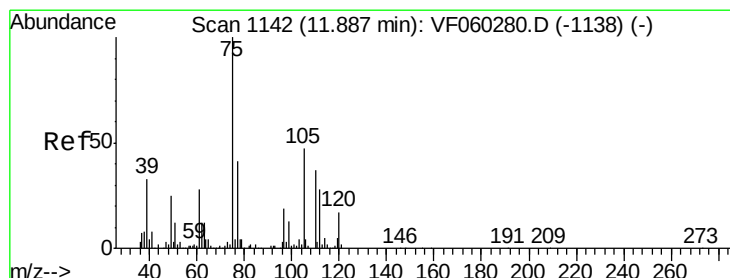
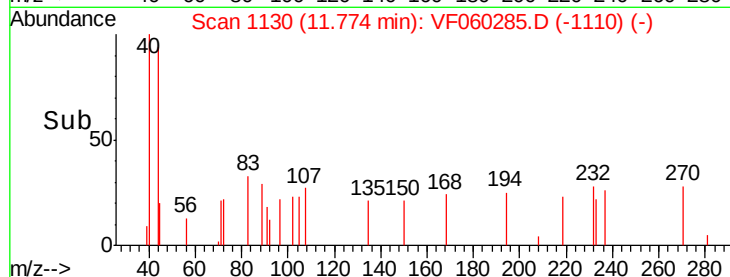
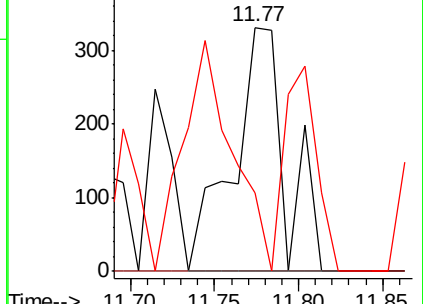
85 32.3 30.1 90.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 0.717 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. 0.06 min

Lab File: VF060285.D

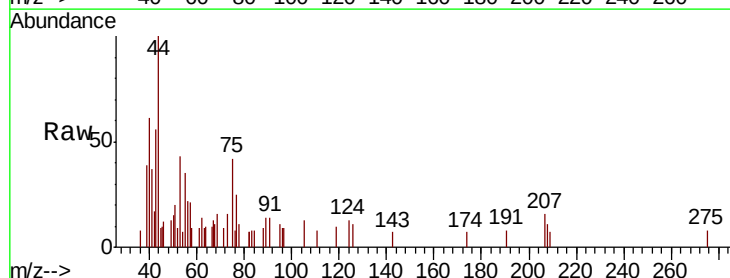
Acq: 19 Sep 2018 17:40

Tgt Ion: 75 Resp: 1629

Ion Ratio Lower Upper

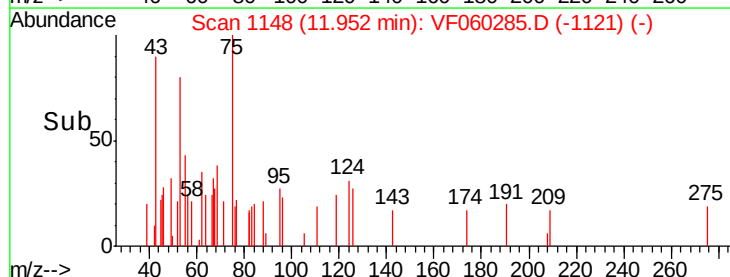
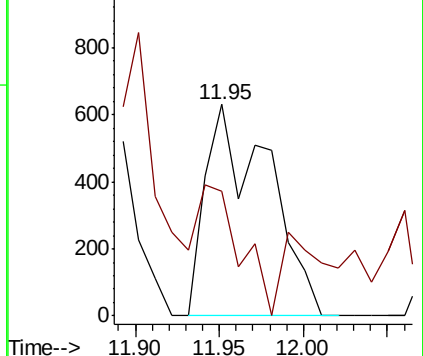
75 100

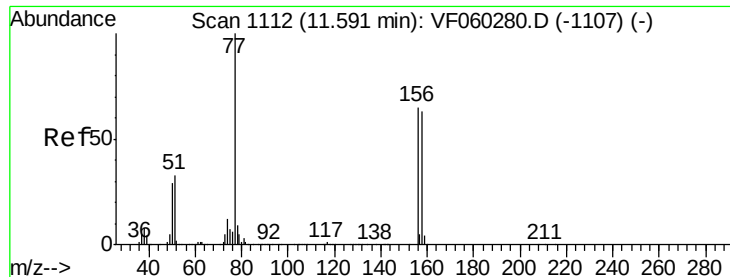
77 58.8 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 0.396 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

BFB

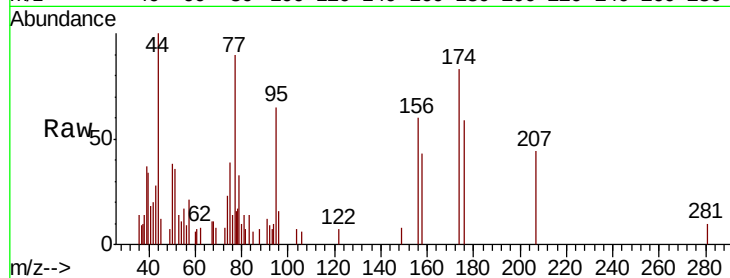
Tgt Ion:156 Resp: 1529

Ion Ratio Lower Upper

156 100

77 149.6 77.3 232.1

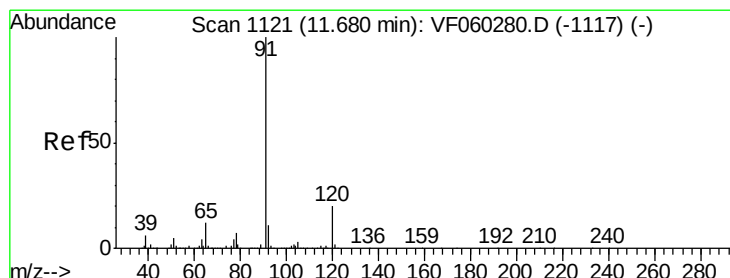
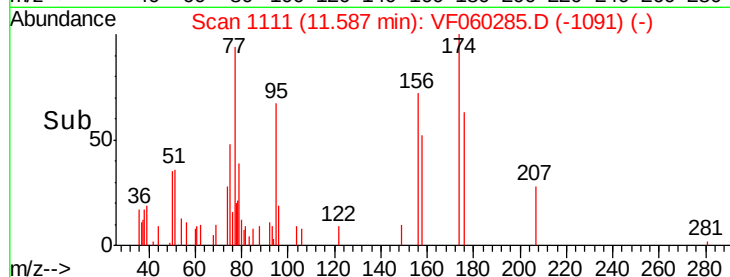
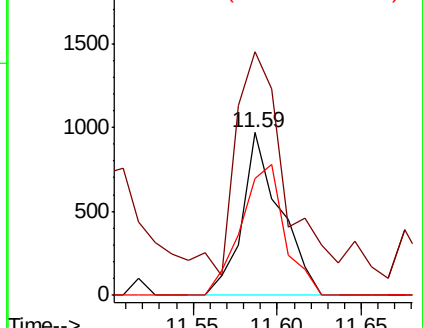
158 71.9 48.4 145.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: Below Cal

RT: 11.69 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF060285.D

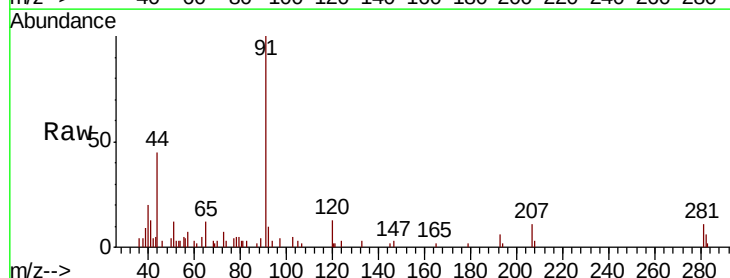
Acq: 19 Sep 2018 17:40

Tgt Ion: 91 Resp: 8942

Ion Ratio Lower Upper

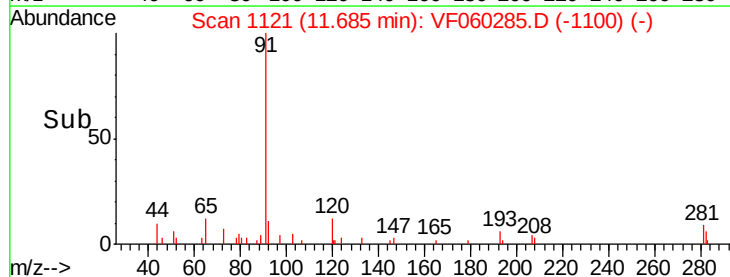
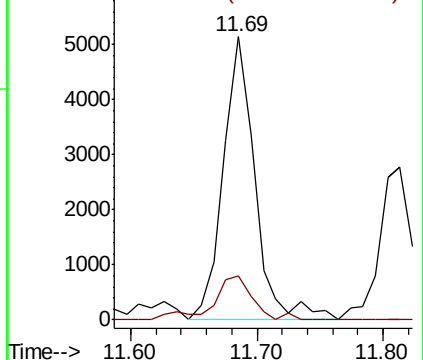
91 100

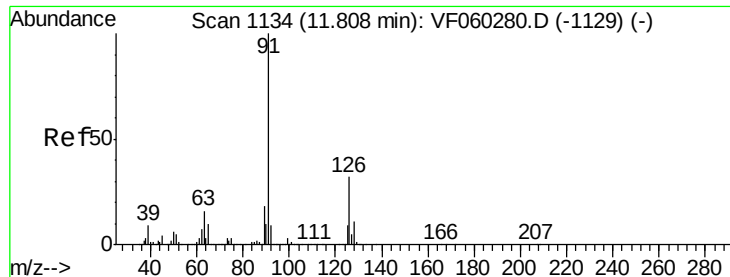
120 15.5 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.467 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampled :

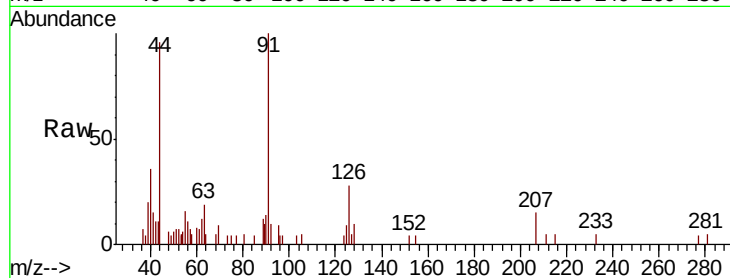
BFB

Tgt Ion: 91 Resp: 5648

Ion Ratio Lower Upper

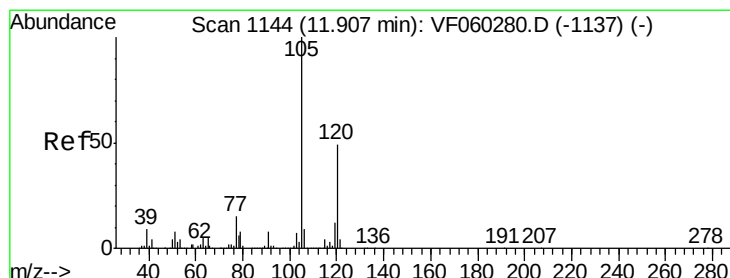
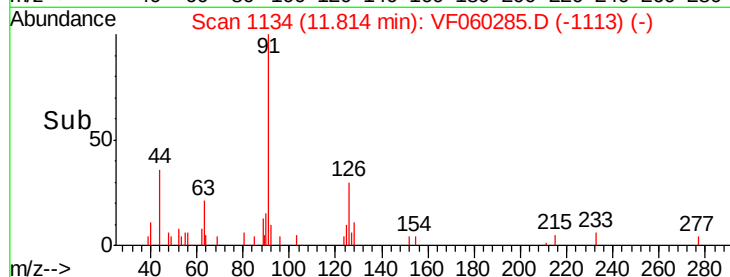
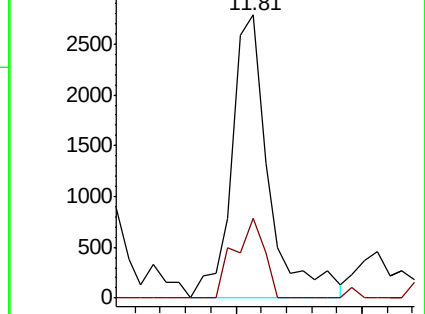
91 100

126 28.2 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 0.375 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF060285.D

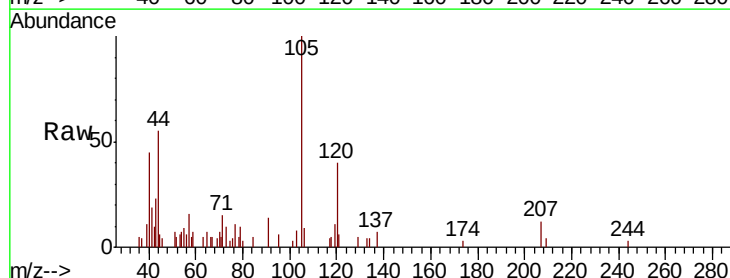
Acq: 19 Sep 2018 17:40

Tgt Ion: 105 Resp: 5411

Ion Ratio Lower Upper

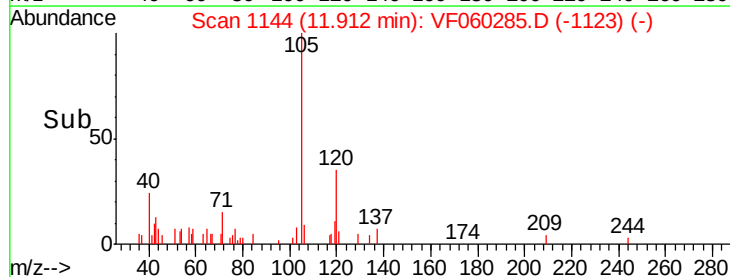
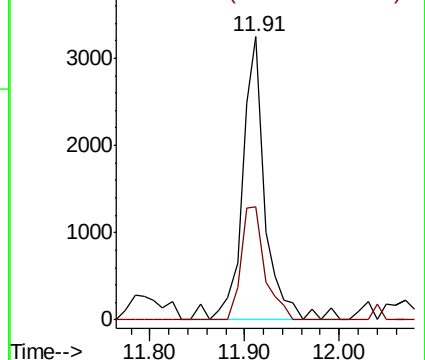
105 100

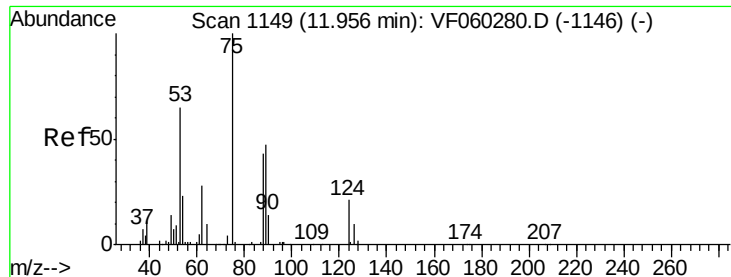
120 40.1 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 1.356 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

BFB

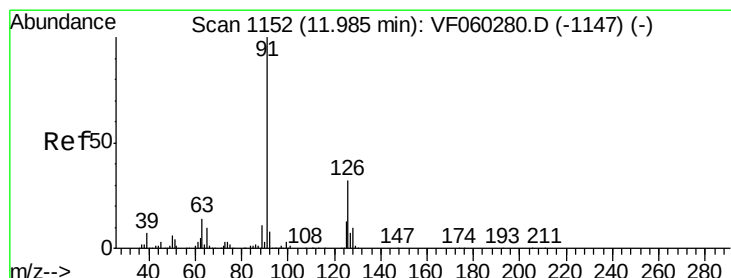
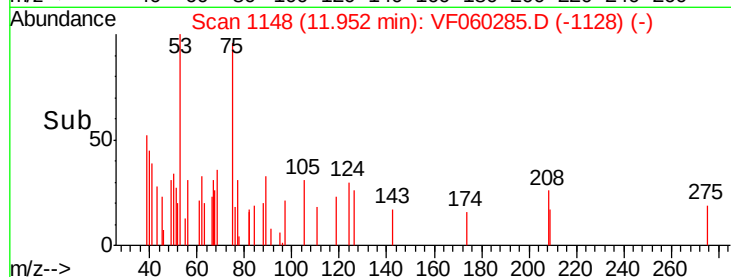
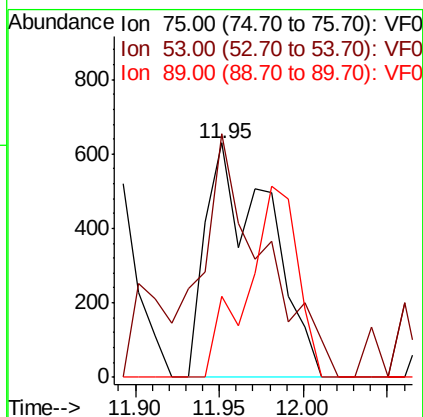
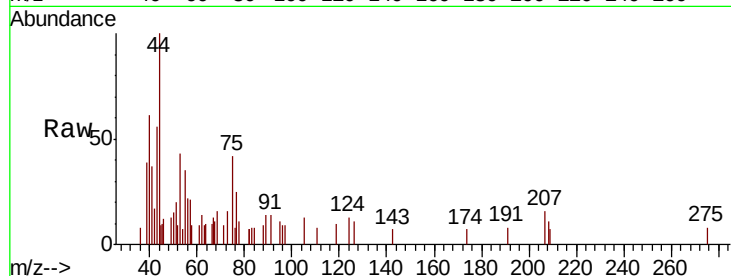
Tgt Ion: 75 Resp: 1629

Ion Ratio Lower Upper

75 100

53 104.0 56.5 84.7#

89 34.7 40.6 60.8#



#82

4-Chlorotoluene

Concen: 0.634 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF060285.D

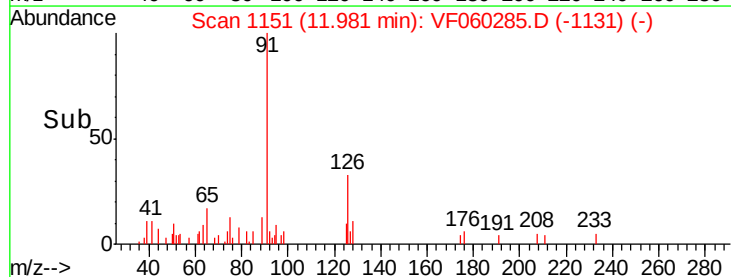
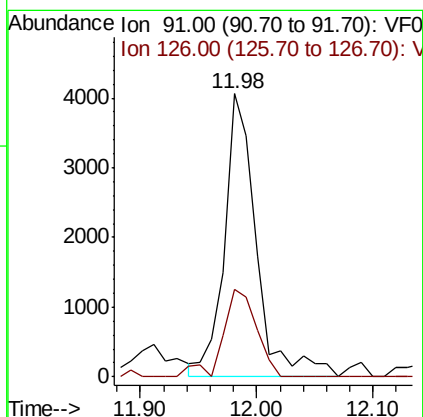
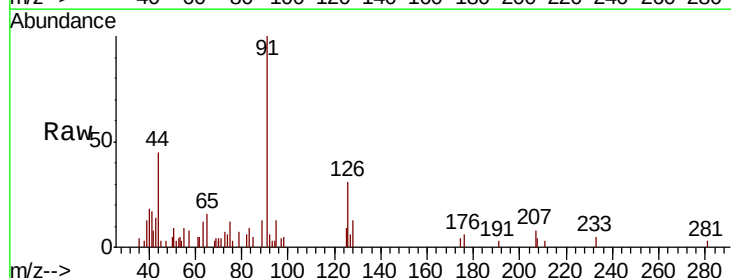
Acq: 19 Sep 2018 17:40

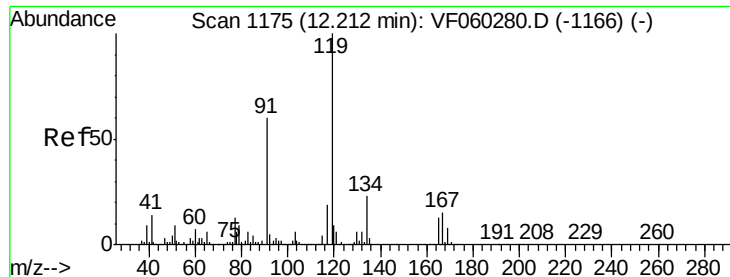
Tgt Ion: 91 Resp: 7703

Ion Ratio Lower Upper

91 100

126 30.7 16.1 48.2

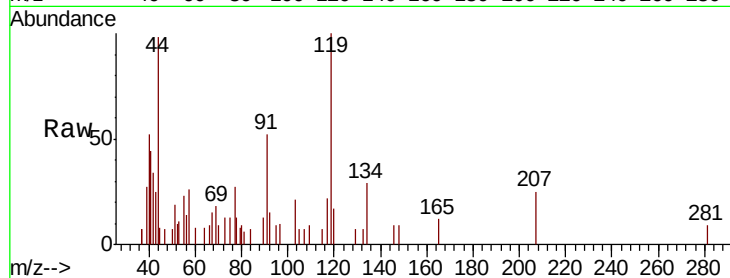




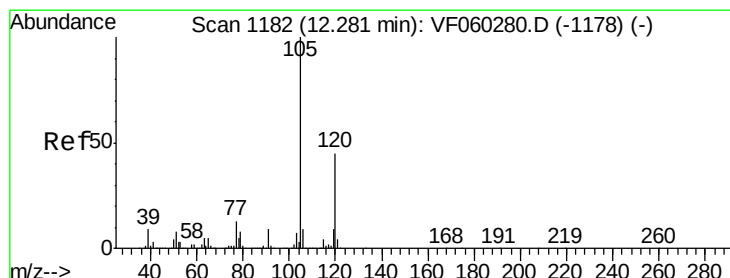
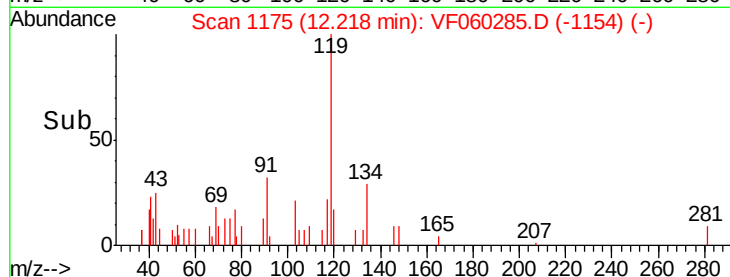
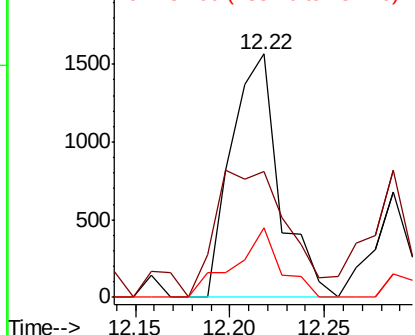
#83
 tert-Butylbenzene
 Concen: 0.189 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Tgt Ion:119 Resp: 2765
 Ion Ratio Lower Upper
 119 100
 91 51.8 30.3 91.0
 134 28.6 11.6 34.8

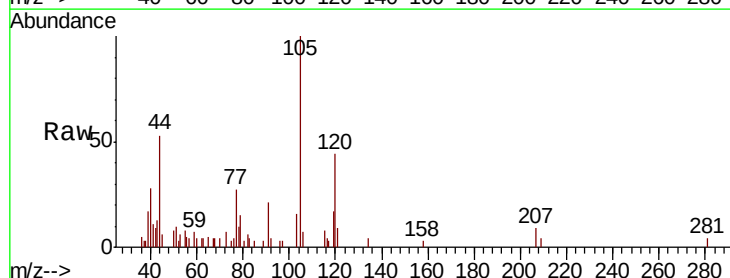


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

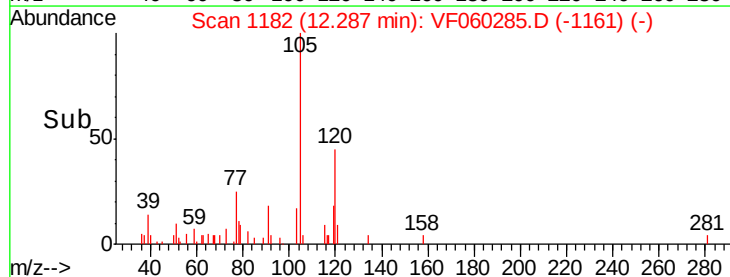
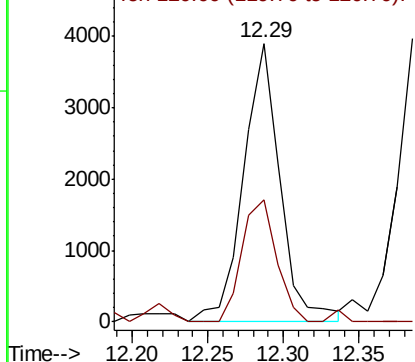


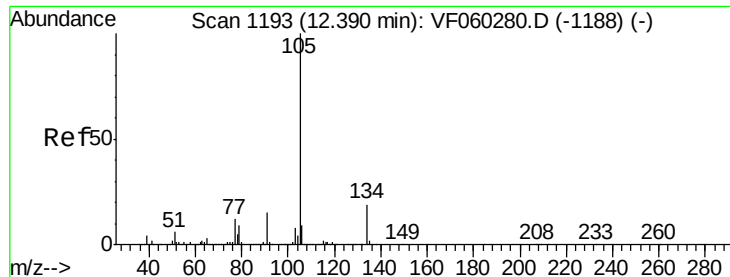
#84
 1,2,4-Trimethylbenzene
 Concen: 0.450 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

Tgt Ion:105 Resp: 6586
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.4 67.0



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





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.39 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

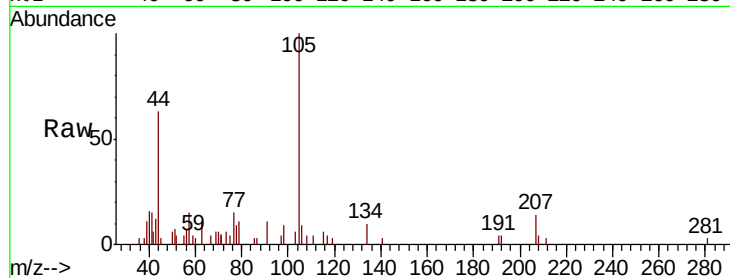
BFB

Tgt Ion:105 Resp: 6072

Ion Ratio Lower Upper

105 100

134 10.3 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

4000

3000

2000

1000

0

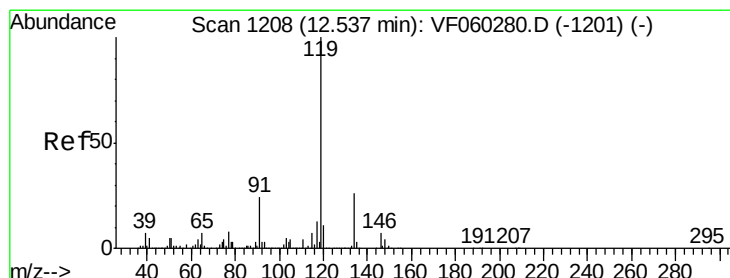
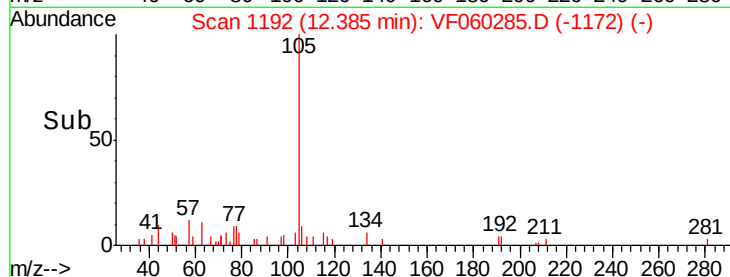
Time-->

12.30

12.35

12.40

12.45



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.53 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

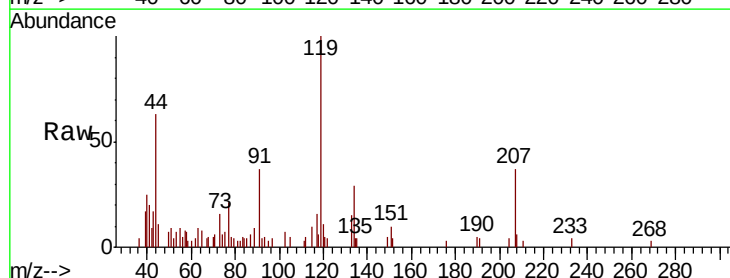
Tgt Ion:119 Resp: 5957

Ion Ratio Lower Upper

119 100

134 28.6 12.9 38.7

91 36.5 11.9 35.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.53

4000

3000

2000

1000

0

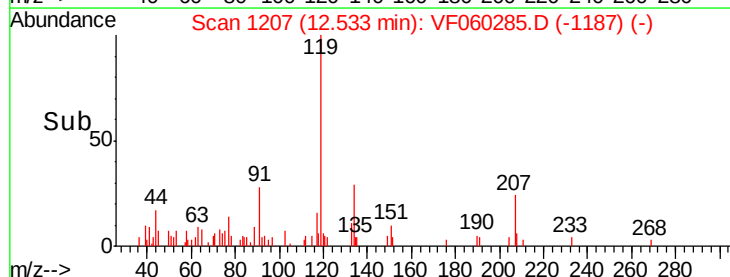
Time-->

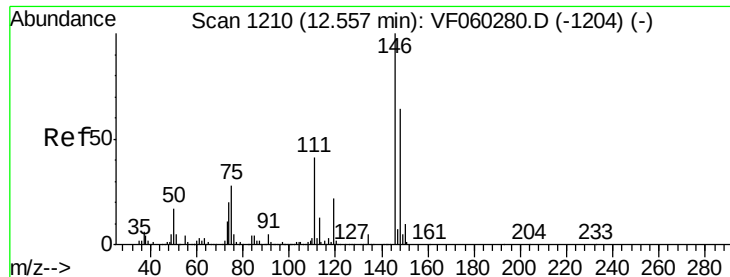
12.45

12.50

12.55

12.60

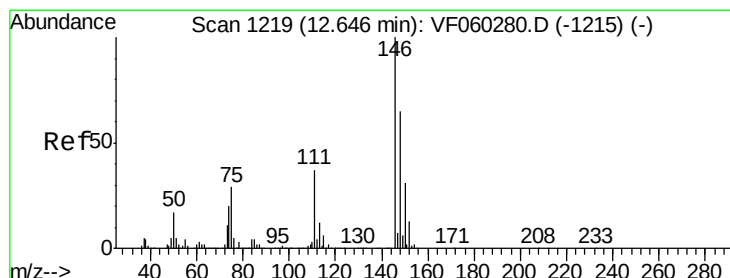
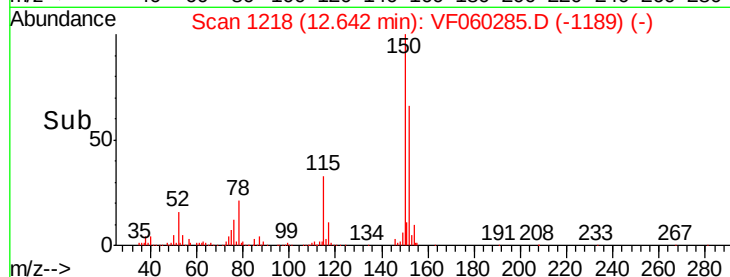
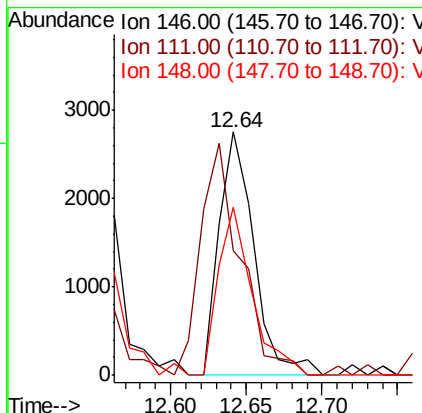
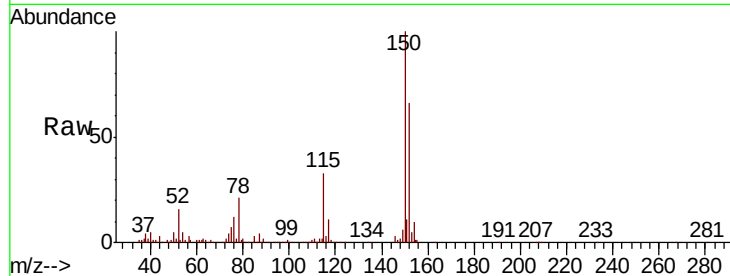




#87
 1,3-Dichlorobenzene
 Concen: 0.614 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.08 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

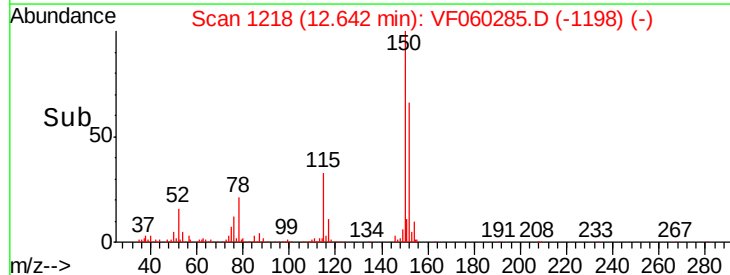
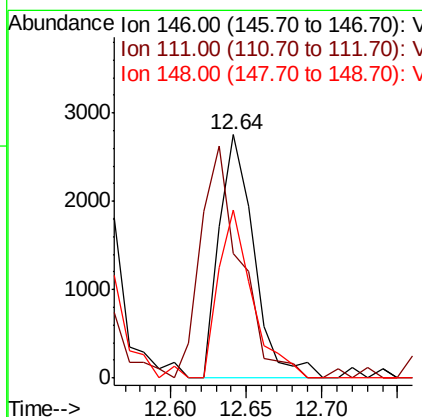
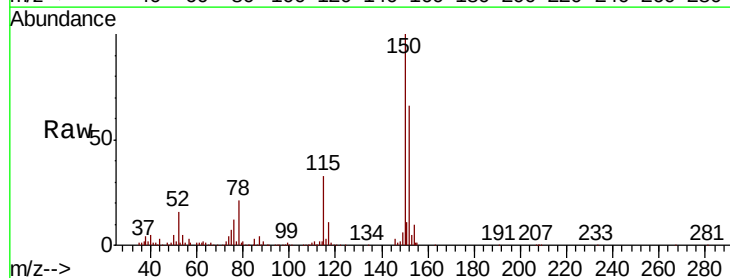
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

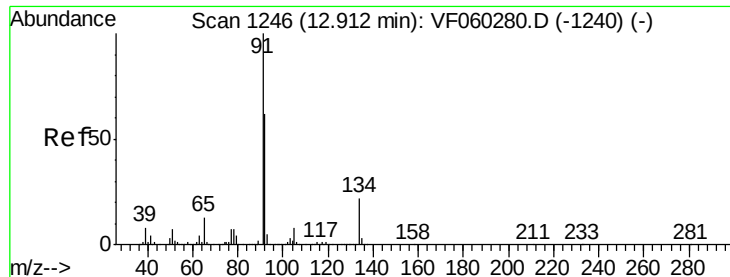
Tgt Ion	Ratio	Lower	Upper
146	100		
111	56.6	20.5	61.6
148	69.3	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 0.622 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	56.6	18.7	56.1#
148	69.3	32.4	97.0





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.92 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

BFB

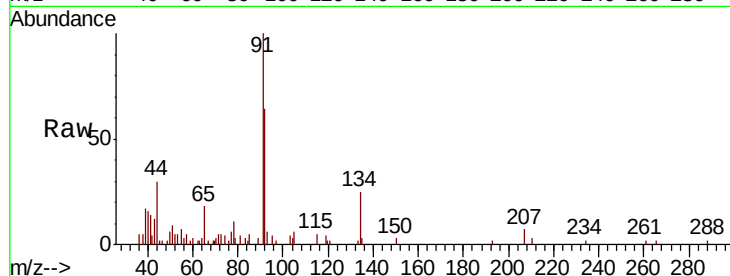
Tgt Ion: 91 Resp: 9200

Ion Ratio Lower Upper

91 100

92 64.2 31.1 93.5

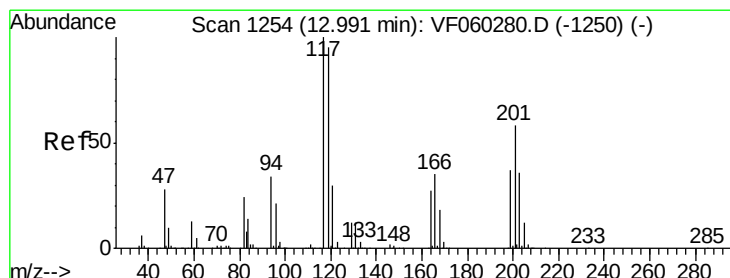
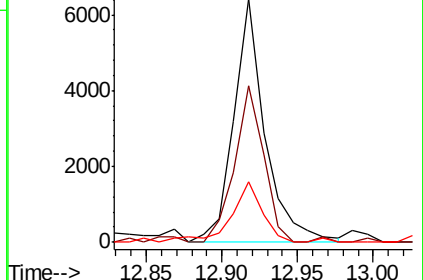
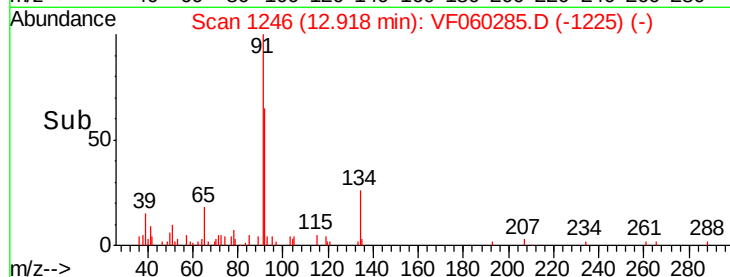
134 25.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.111 ug/l

RT: 12.99 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VF060285.D

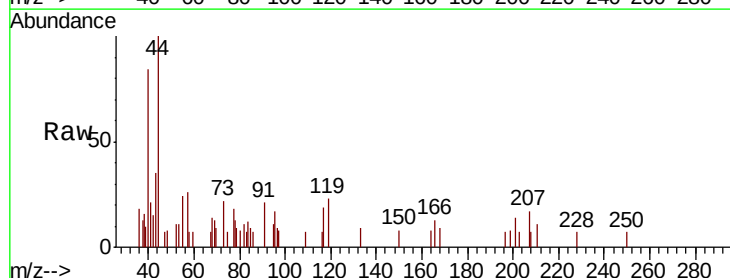
Acq: 19 Sep 2018 17:40

Tgt Ion: 117 Resp: 454

Ion Ratio Lower Upper

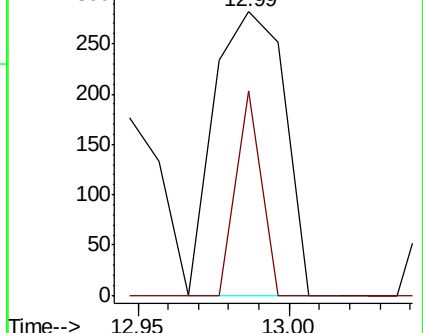
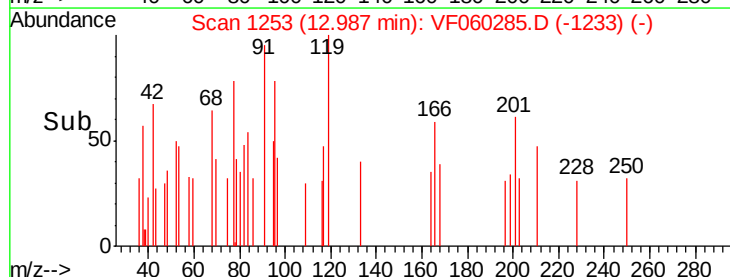
117 100

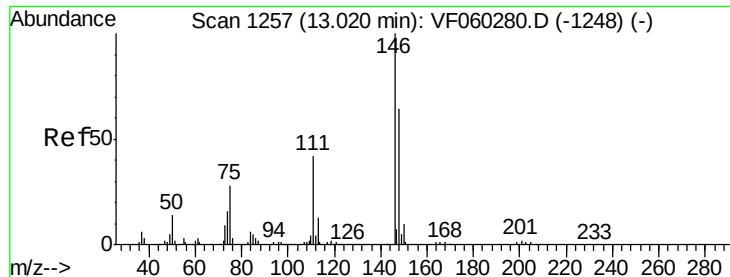
201 72.0 29.0 87.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

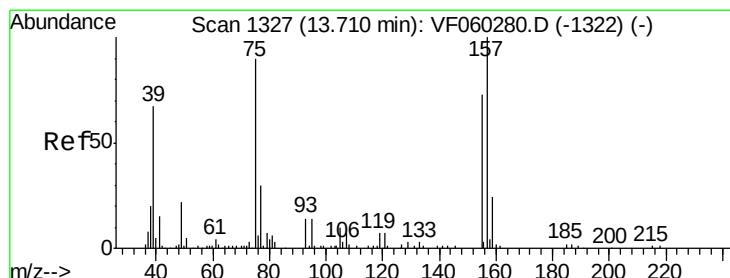
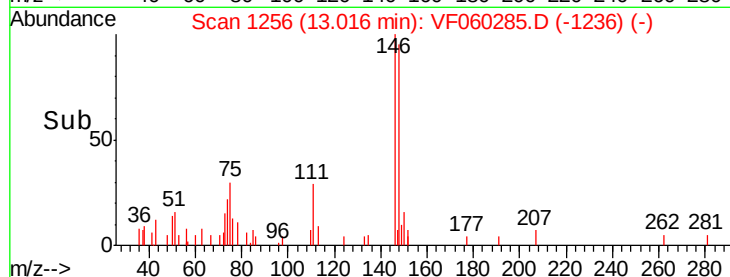
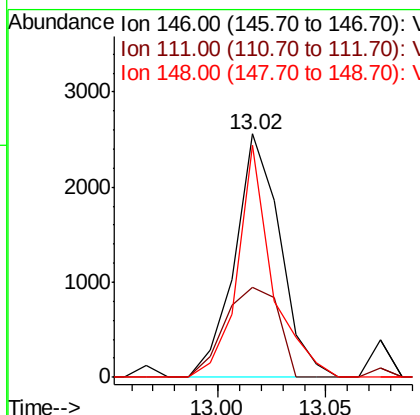
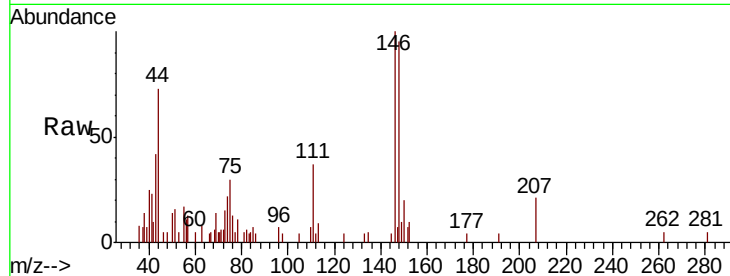




#91
 1,2-Dichlorobenzene
 Concen: 0.542 ug/l
 RT: 13.02 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

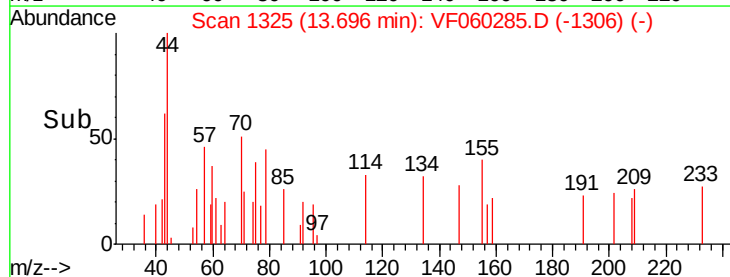
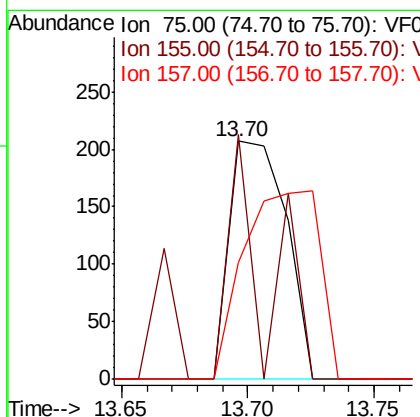
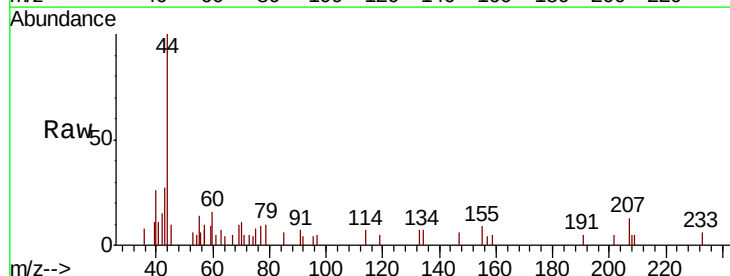
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

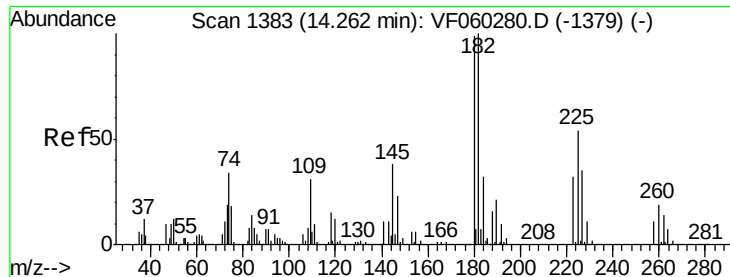
Tgt Ion: 146 Resp: 3733
 Ion Ratio Lower Upper
 146 100
 111 37.0 20.9 62.8
 148 95.1 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.544 ug/l
 RT: 13.70 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: VF060285.D
 Acq: 19 Sep 2018 17:40

Tgt Ion: 75 Resp: 324
 Ion Ratio Lower Upper
 75 100
 155 102.9 41.9 125.7
 157 48.8 57.4 172.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.969 ug/l

RT: 14.27 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

BFB

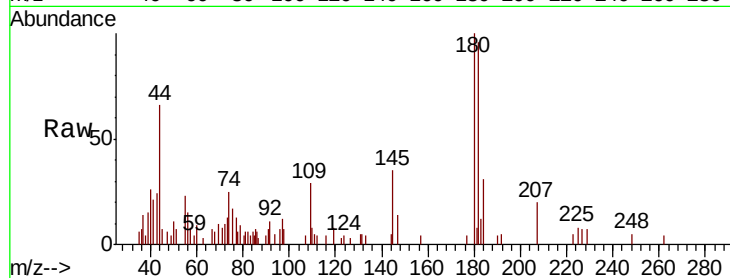
Tgt Ion:180 Resp: 4847

Ion Ratio Lower Upper

180 100

182 96.3 50.3 151.0

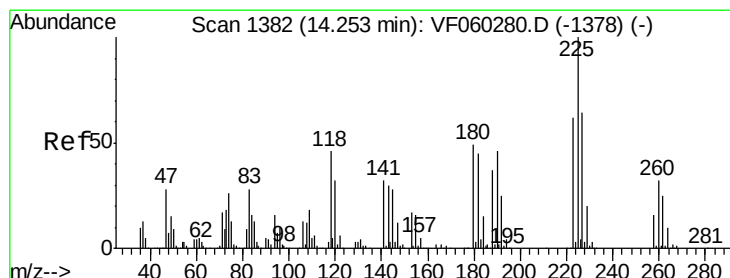
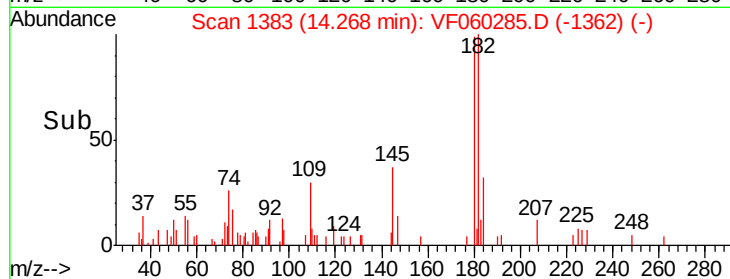
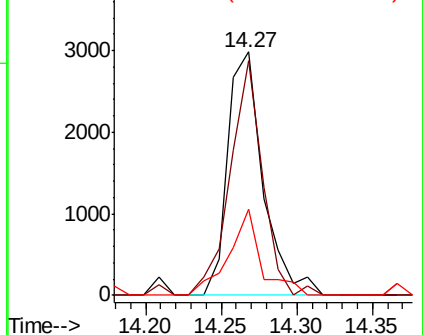
145 35.5 18.9 56.9



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: 0.303 ug/l

RT: 14.25 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VF060285.D

Acq: 19 Sep 2018 17:40

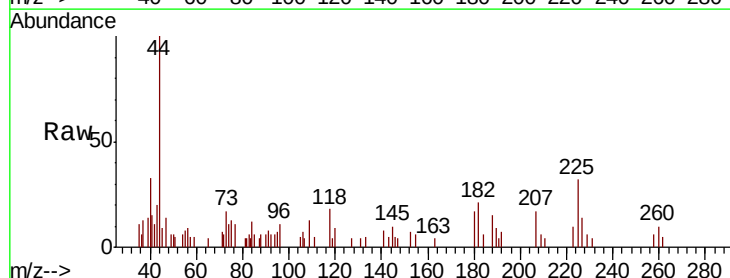
Tgt Ion:225 Resp: 1024

Ion Ratio Lower Upper

225 100

223 32.4 31.2 93.6

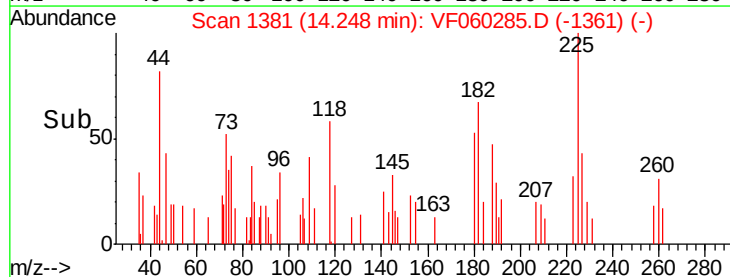
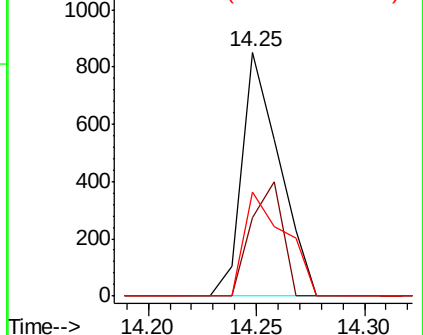
227 42.7 32.2 96.6

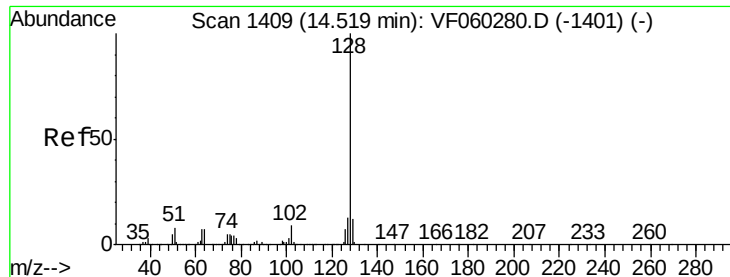


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

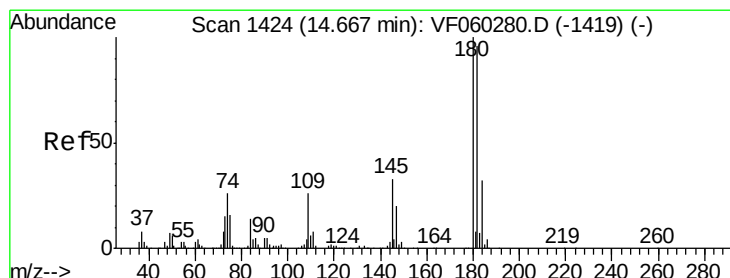
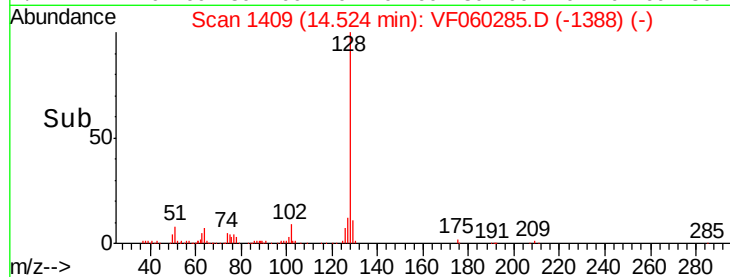
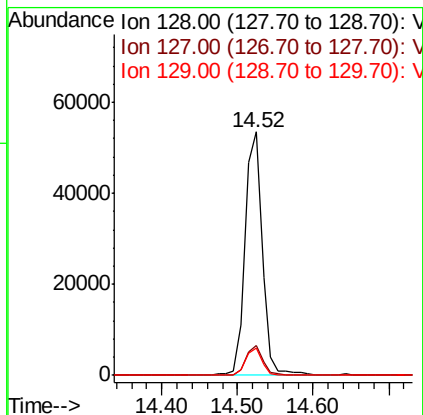
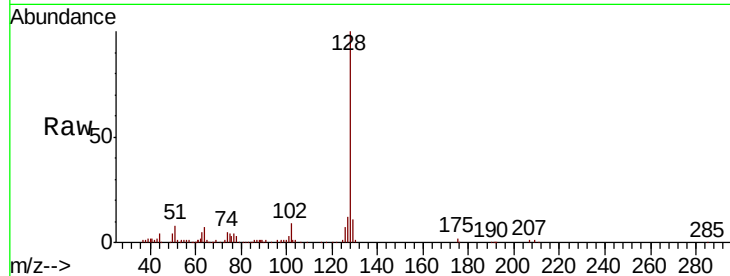




#95
Naphthalene
Concen: 9.627 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.01 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion:128 Resp: 84432
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 11.0 9.8 14.8



#96
1,2,3-Trichlorobenzene
Concen: 1.331 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.00 min
Lab File: VF060285.D
Acq: 19 Sep 2018 17:40

Tgt Ion:180 Resp: 6154
Ion Ratio Lower Upper
180 100
182 83.5 47.8 143.4
145 34.5 16.4 49.1

