

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100918\
 Data File : VF060490.D
 Acq On : 9 Oct 2018 14:46
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Quant Time: Oct 10 01:49:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 01:47:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	291254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	463243	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	398195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	231159	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	22131	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
35) Dibromofluoromethane	4.27	113	21235	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
50) Toluene-d8	7.69	98	53853	5.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.20%	
62) 4-Bromofluorobenzene	11.49	95	23879	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.99	85	29318	4.408	ug/l 95
3) Chloromethane	1.13	50	18269	4.707	ug/l 93
4) Vinyl Chloride	1.17	62	20304	4.999	ug/l 93
5) Bromomethane	1.36	94	15497	4.934	ug/l 96
6) Chloroethane	1.42	64	10728	5.308	ug/l 96
7) Trichlorofluoromethane	1.54	101	45257	4.830	ug/l 88
8) Diethyl Ether	1.69	74	6868	5.234	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	1.88	101	23049	5.089	ug/l 95
10) Methyl Iodide	1.95	142	36086	5.180	ug/l 98
11) Tert butyl alcohol	2.66	59	5232	19.420	ug/l # 73
12) 1,1-Dichloroethene	1.84	96	20548	5.767	ug/l 94
13) Acrolein	2.00	56	1871	9.313	ug/l 91
14) Allyl chloride	2.18	41	26680	4.794	ug/l 95
15) Acrylonitrile	3.05	53	11585	24.488	ug/l 97
16) Acetone	2.32	43	30796	28.491	ug/l 99
17) Carbon Disulfide	1.89	76	31487	2.987	ug/l 99
18) Methyl Acetate	2.44	43	11838	6.204	ug/l # 91
19) Methyl tert-butyl Ether	2.52	73	38626	4.508	ug/l 96
20) Methylene Chloride	2.27	84	10307	2.598	ug/l # 90
21) trans-1,2-Dichloroethene	2.39	96	16269	4.595	ug/l # 71
22) Diisopropyl ether	2.91	45	51029	4.857	ug/l # 97
23) Vinyl Acetate	3.31	43	94652	23.319	ug/l # 94
24) 1,1-Dichloroethane	2.98	63	35891	5.075	ug/l # 96
25) 2-Butanone	4.49	43	27681	23.689	ug/l 92
26) 2,2-Dichloropropane	3.73	77	19556	4.986	ug/l 93
27) cis-1,2-Dichloroethene	3.61	96	19654	4.954	ug/l 93
28) Bromochloromethane	3.86	49	14071	5.617	ug/l 91
29) Tetrahydrofuran	4.23	42	12045	25.503	ug/l 94
30) Chloroform	4.01	83	43237	5.072	ug/l 97
31) Cyclohexane	3.83	56	25416	5.179	ug/l # 78
32) 1,1,1-Trichloroethane	4.25	97	33591	4.794	ug/l 94
36) 1,1-Dichloropropene	4.43	75	29940	5.287	ug/l 95
37) Ethyl Acetate	4.26	43	10839	5.009	ug/l # 95
38) Carbon Tetrachloride	4.15	117	30333	4.534	ug/l 86

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 Data File : VF060490.D
 Acq On : 9 Oct 2018 14:46
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 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Quant Time: Oct 10 01:49:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 01:47:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	28232	5.020	ug/l	90
40) Benzene	4.78	78	60708	5.332	ug/l #	89
41) Methacrylonitrile	4.90	41	5962	5.136	ug/l #	83
42) 1,2-Dichloroethane	5.09	62	25006	4.636	ug/l	95
43) Isopropyl Acetate	7.09	43	13816	5.262	ug/l #	91
44) Trichloroethene	5.64	130	19049	5.204	ug/l	93
45) 1,2-Dichloropropane	6.38	63	13800	4.617	ug/l	96
46) Dibromomethane	6.22	93	11036	4.583	ug/l	92
47) Bromodichloromethane	6.51	83	26659	4.443	ug/l #	84
48) Methyl methacrylate	6.85	41	7770	4.140	ug/l	90
49) 1,4-Dioxane	6.93	88	200	12.326	ug/l	92
51) 4-Methyl-2-Pentanone	8.38	43	45955	24.659	ug/l	92
52) Toluene	7.76	92	38659	5.052	ug/l	99
53) t-1,3-Dichloropropene	8.40	75	22880	4.871	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	25080	4.612	ug/l #	81
55) 1,1,2-Trichloroethane	8.61	97	10669	4.402	ug/l	91
56) Ethyl methacrylate	8.74	69	13527	4.930	ug/l	90
57) 1,3-Dichloropropane	8.98	76	19501	4.769	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	7277	25.788	ug/l	100
59) 2-Hexanone	9.61	43	35787	26.239	ug/l	80
60) Dibromochloromethane	8.84	129	15137	4.161	ug/l	94
61) 1,2-Dibromoethane	9.12	107	12142	4.579	ug/l	93
64) Tetrachloroethene	8.28	164	17530	5.483	ug/l	95
65) Chlorobenzene	9.91	112	41511	5.088	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.04	131	19194	5.374	ug/l	84
67) Ethyl Benzene	10.01	91	76621	4.927	ug/l	95
68) m/p-Xylenes	10.24	106	58609	11.018	ug/l	97
69) o-Xylene	10.80	106	27702	4.773	ug/l	97
70) Styrene	10.88	104	43319	5.258	ug/l	100
71) Bromoform	10.86	173	8080	4.263	ug/l #	86
73) Isopropylbenzene	11.21	105	93234	5.083	ug/l	100
74) N-amyl acetate	11.44	43	21057	5.058	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	14637	4.454	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	11581	4.742	ug/l	91
77) Bromobenzene	11.57	156	20719	5.062	ug/l	89
78) n-propylbenzene	11.67	91	120336	5.464	ug/l	97
79) 2-Chlorotoluene	11.80	91	65425	5.066	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	76804	4.962	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	6983	6.539	ug/l #	79
82) 4-Chlorotoluene	11.97	91	67430	5.068	ug/l	93
83) tert-Butylbenzene	12.20	119	78477	5.139	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	81341	5.275	ug/l	96
85) sec-Butylbenzene	12.37	105	103218	4.886	ug/l	96
86) p-Isopropyltoluene	12.53	119	89892	5.208	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	42335	5.500	ug/l	92
88) 1,4-Dichlorobenzene	12.63	146	36939	4.879	ug/l	97
89) n-Butylbenzene	12.90	91	89105	4.897	ug/l	97
90) Hexachloroethane	12.98	117	19058	4.325	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	39527	5.355	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	13.70	75	2949	4.503	ug/l	81

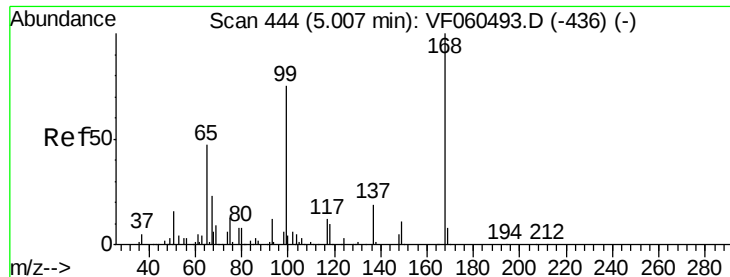
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100918\
Data File : VF060490.D
Acq On : 9 Oct 2018 14:46
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00/5mL/MSVOA_F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
BFB

Quant Time: Oct 10 01:49:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 10 01:47:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	29243	5.297	ug/l	94
94) Hexachlorobutadiene	14.24	225	17975	4.630	ug/l	86
95) Naphthalene	14.51	128	45760	4.642	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	24393	4.690	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

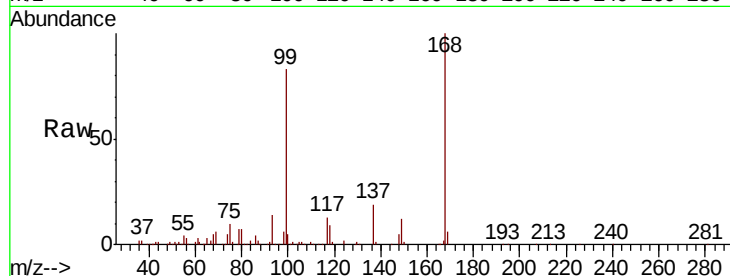
BFB

Tgt Ion:168 Resp: 291254

Ion Ratio Lower Upper

168 100

99 83.2 60.3 90.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

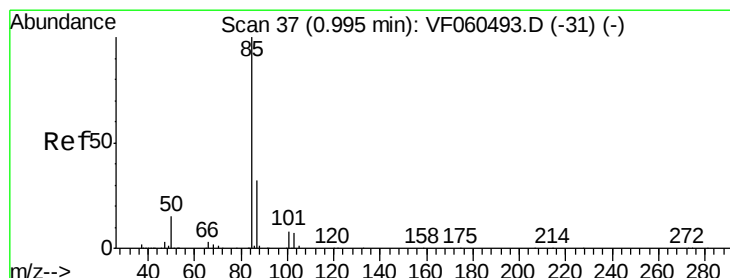
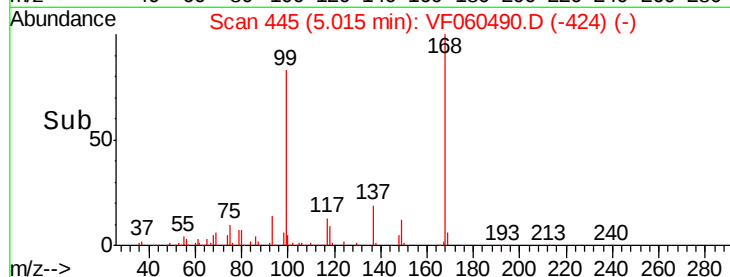
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.408 ug/l

RT: 0.99 min Scan# 37

Delta R.T. -0.00 min

Lab File: VF060490.D

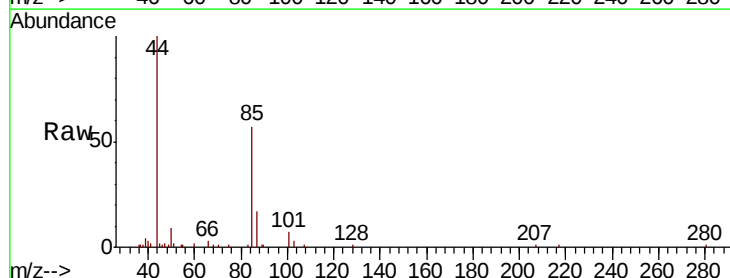
Acq: 9 Oct 2018 14:46

Tgt Ion: 85 Resp: 29318

Ion Ratio Lower Upper

85 100

87 29.2 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

10000

8000

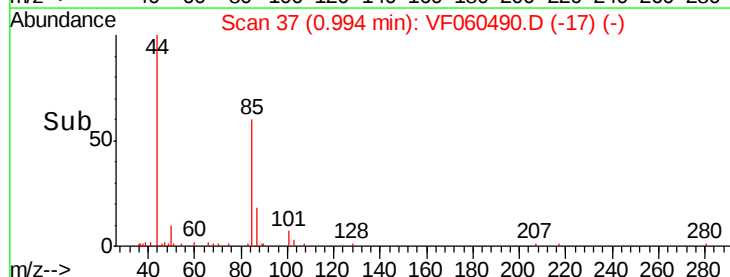
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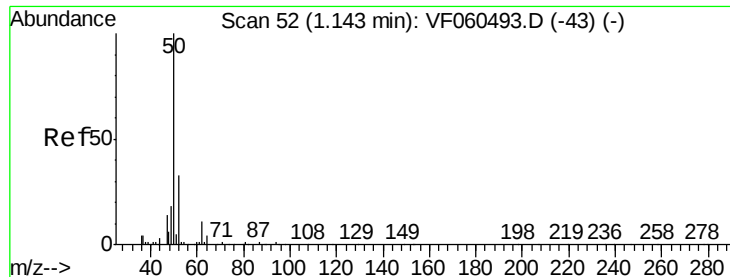
4000

2000

0

Time-->





#3

Chloromethane

Concen: 4.707 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

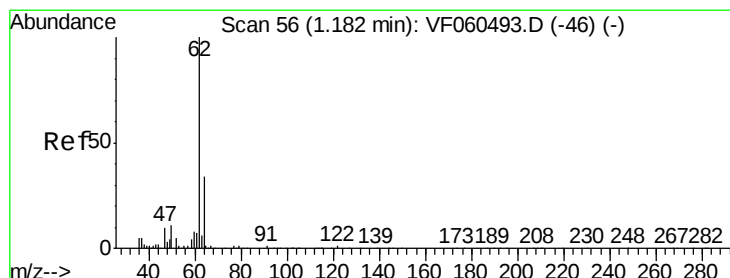
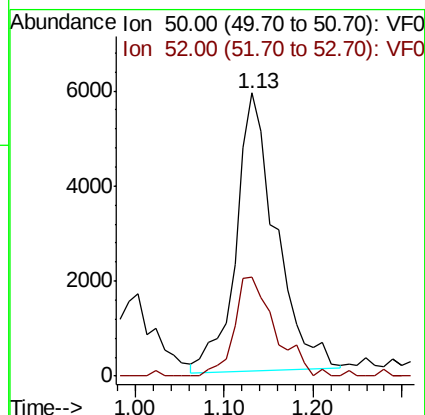
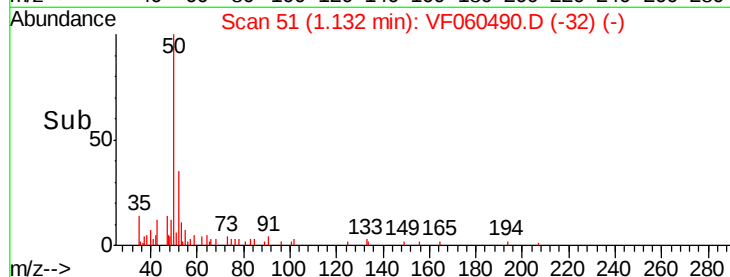
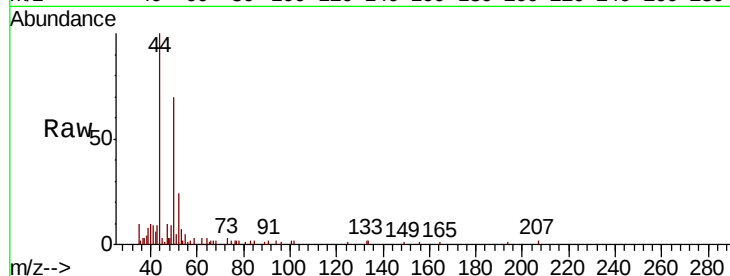
BFB

Tgt Ion: 50 Resp: 18269

Ion Ratio Lower Upper

50 100

52 35.0 25.0 37.4



#4

Vinyl Chloride

Concen: 4.999 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060490.D

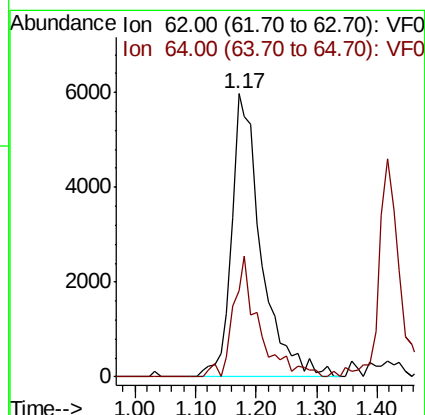
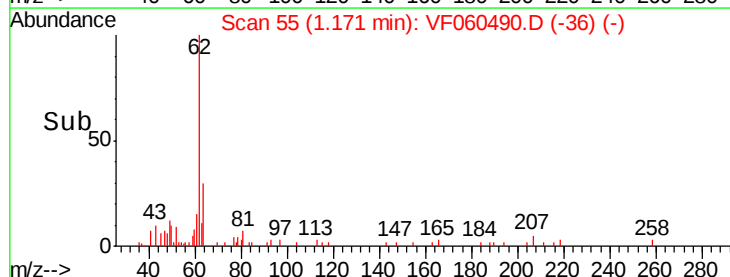
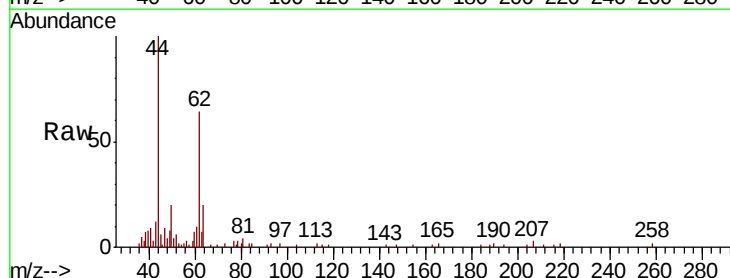
Acq: 9 Oct 2018 14:46

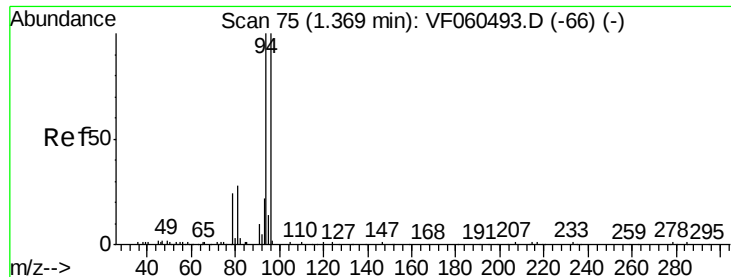
Tgt Ion: 62 Resp: 20304

Ion Ratio Lower Upper

62 100

64 30.4 27.5 41.3





#5

Bromomethane

Concen: 4.934 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

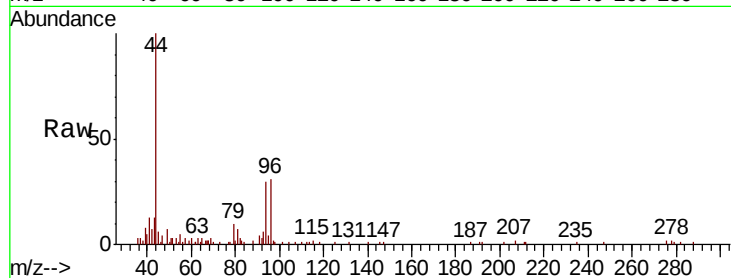
BFB

Tgt Ion: 94 Resp: 15497

Ion Ratio Lower Upper

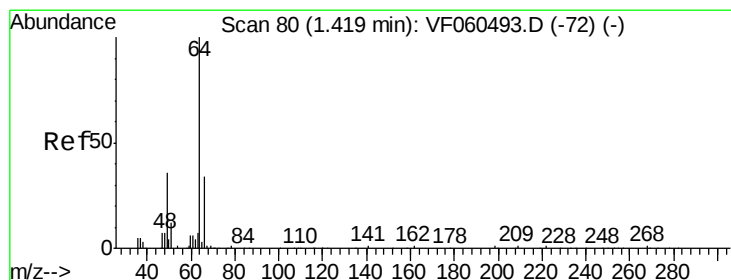
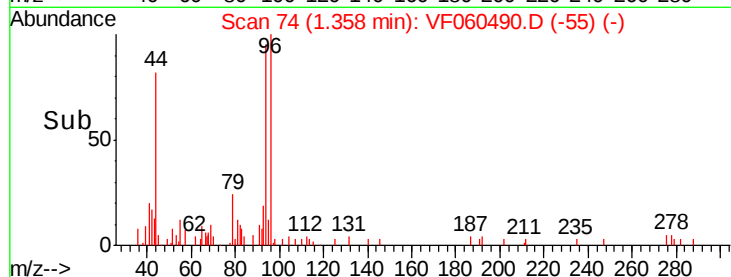
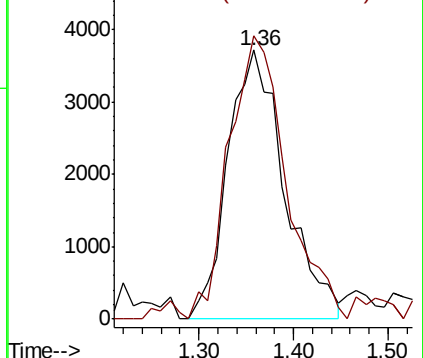
94 100

96 105.2 80.6 120.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 5.308 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060490.D

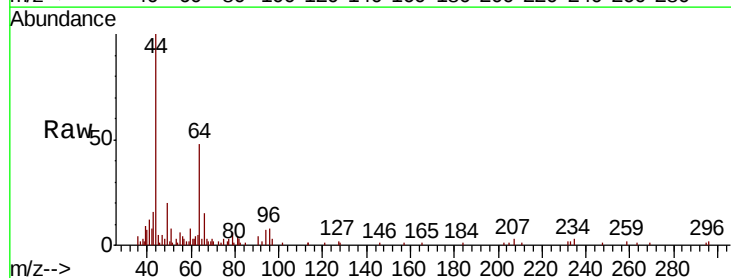
Acq: 9 Oct 2018 14:46

Tgt Ion: 64 Resp: 10728

Ion Ratio Lower Upper

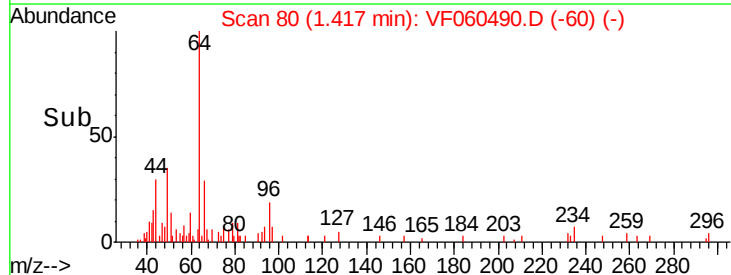
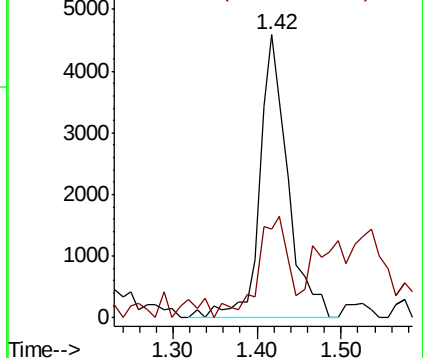
64 100

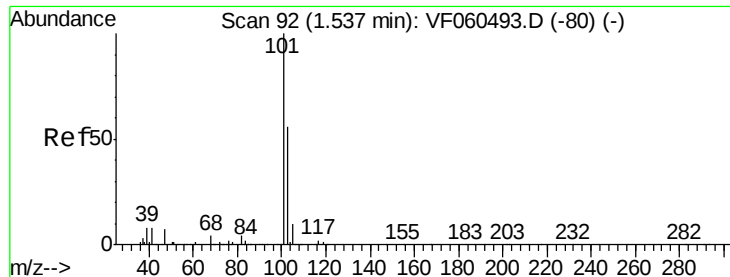
66 31.5 27.0 40.6



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 4.830 ug/l

RT: 1.54 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

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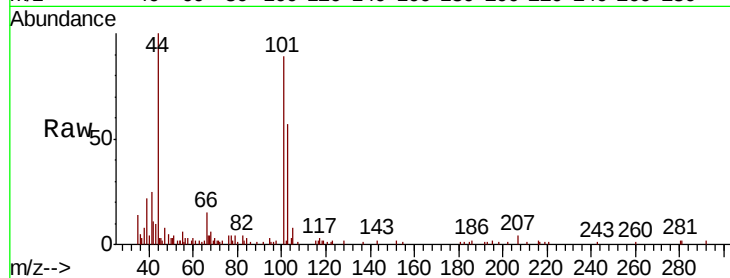
BFB

Tgt Ion:101 Resp: 45257

Ion Ratio Lower Upper

101 100

103 64.1 44.6 66.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

10000

8000

6000

4000

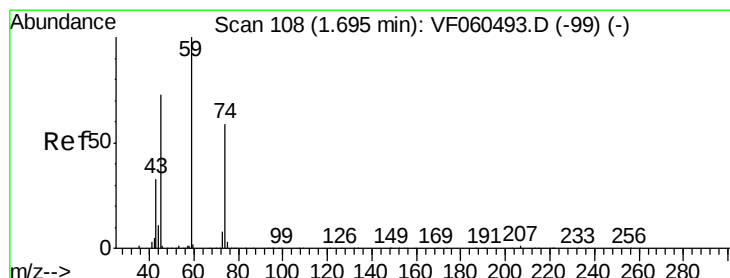
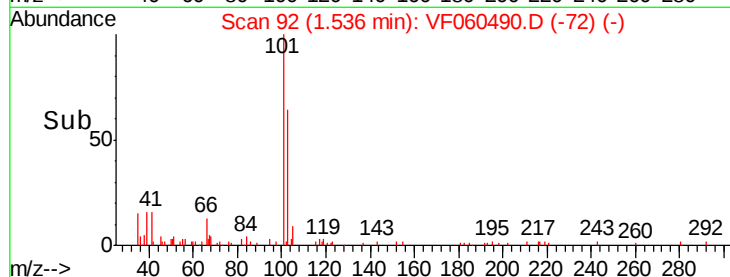
2000

0

Time-->

1.30 1.40 1.50 1.60 1.70

1.54



#8

Diethyl Ether

Concen: 5.234 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.00 min

Lab File: VF060490.D

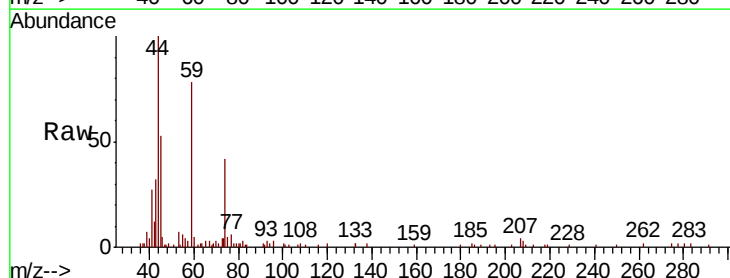
Acq: 9 Oct 2018 14:46

Tgt Ion: 74 Resp: 6868

Ion Ratio Lower Upper

74 100

45 128.4 62.7 188.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

6000

5000

4000

3000

2000

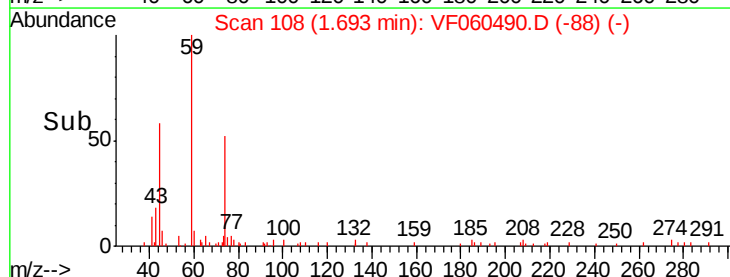
1000

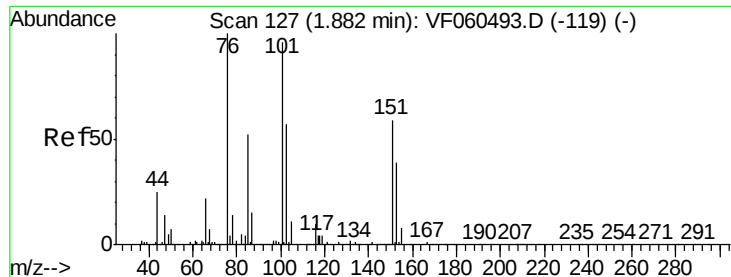
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Time-->

1.60 1.70 1.80

1.69





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.089 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

BFB

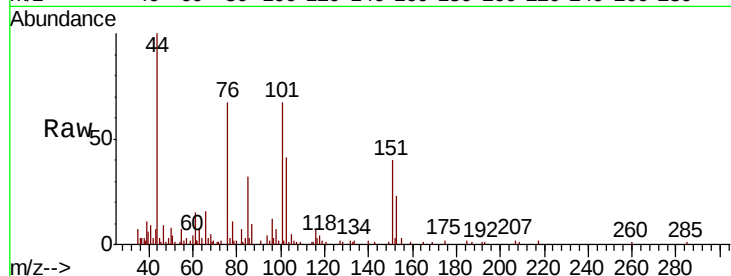
Tgt Ion:101 Resp: 23049

Ion Ratio Lower Upper

101 100

85 46.4 41.8 62.6

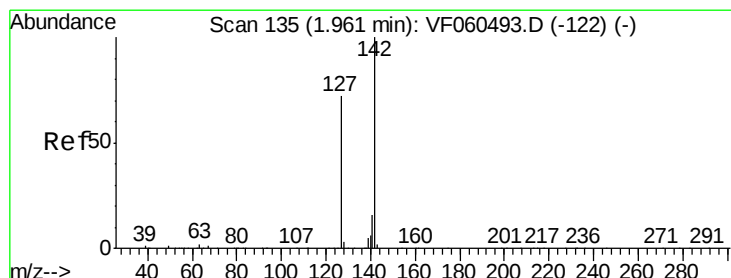
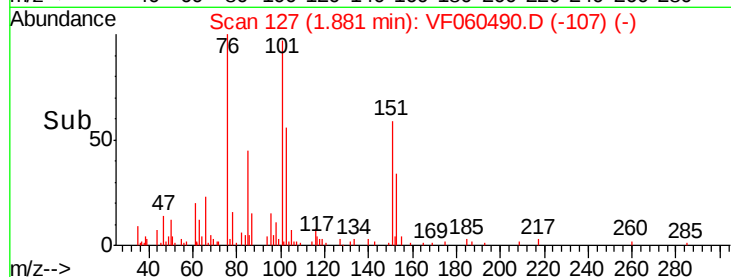
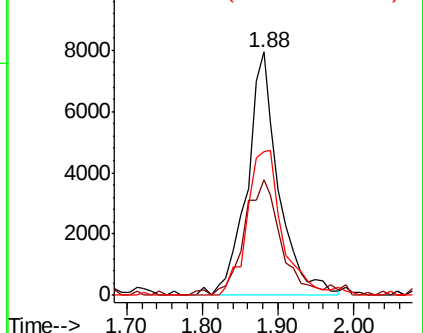
151 57.9 47.4 71.0



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: 5.180 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

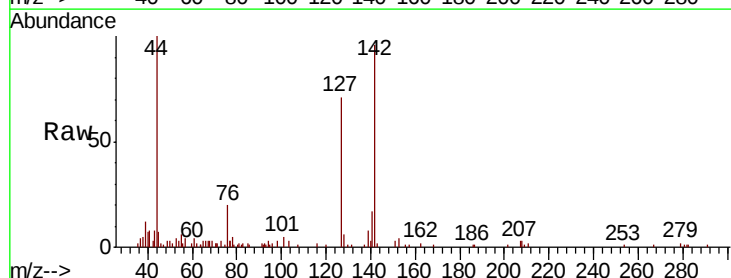
Tgt Ion:142 Resp: 36086

Ion Ratio Lower Upper

142 100

127 73.7 57.9 86.9

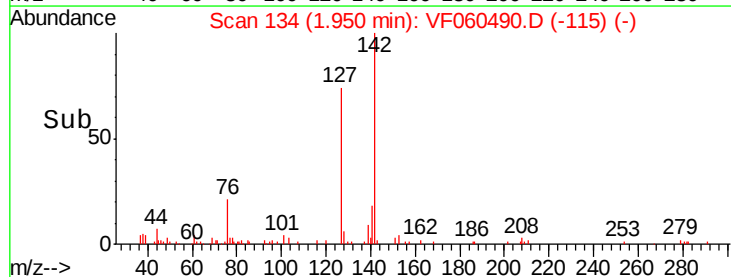
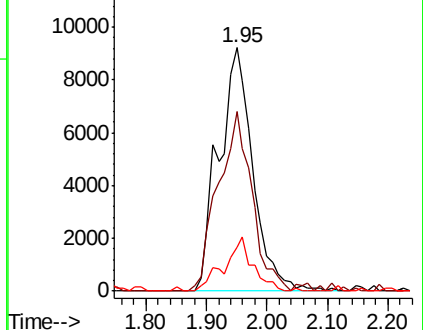
141 18.0 12.7 19.1

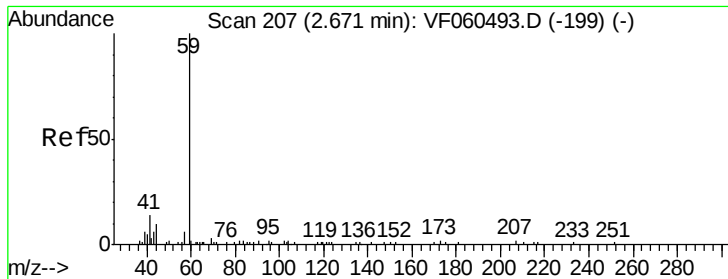


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

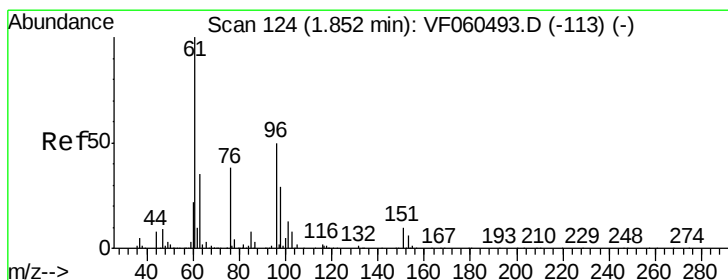
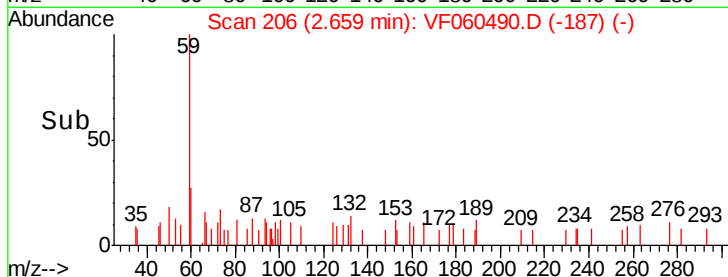
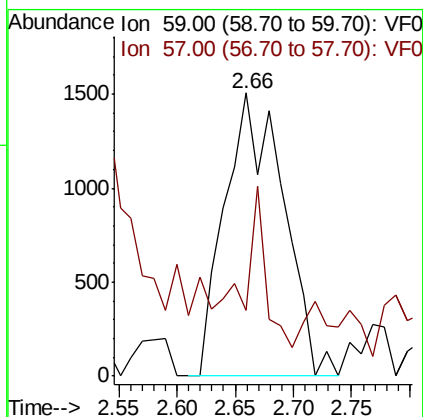
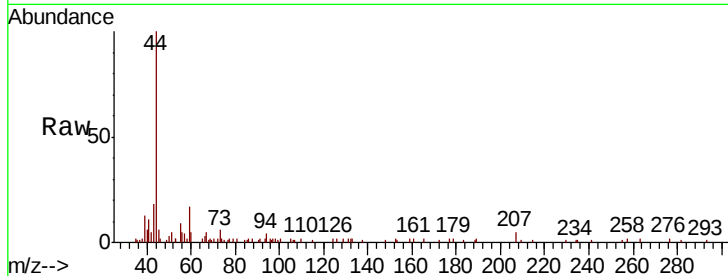




#11
Tert butyl alcohol
Concen: 19.420 ug/l
RT: 2.66 min Scan# 206
Delta R.T. -0.01 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

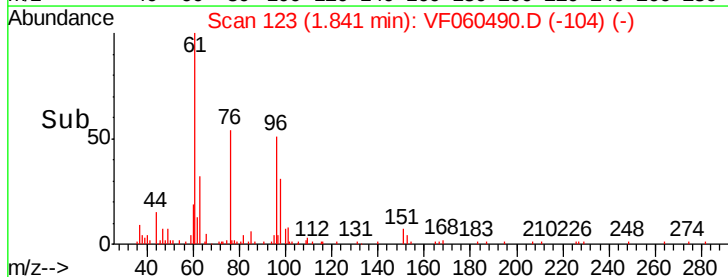
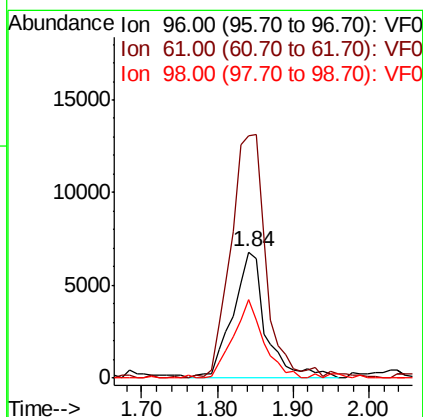
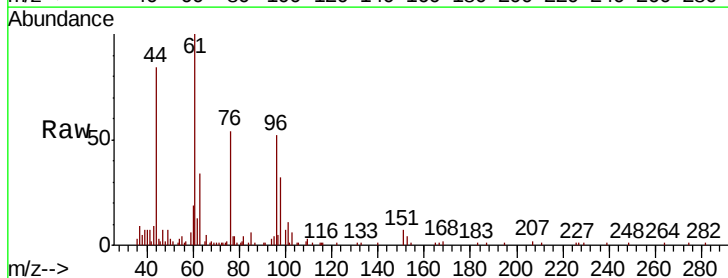
Instrument :
MSVOA_F
ClientSampleId :
BFB

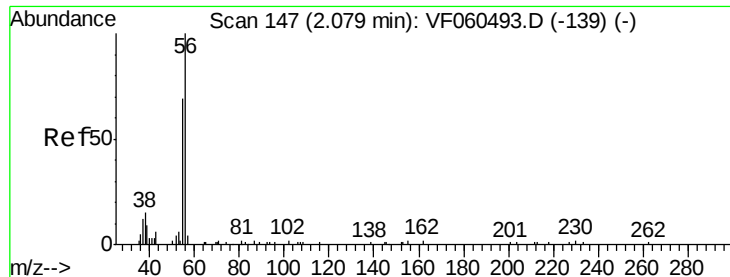
Tgt Ion: 59 Resp: 5232
Ion Ratio Lower Upper
59 100
57 23.4 10.2 15.2#



#12
1,1-Dichloroethene
Concen: 5.767 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Tgt Ion: 96 Resp: 20548
Ion Ratio Lower Upper
96 100
61 192.2 161.9 242.9
98 62.3 47.4 71.2





#13

Acrolein

Concen: 9.313 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.08 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

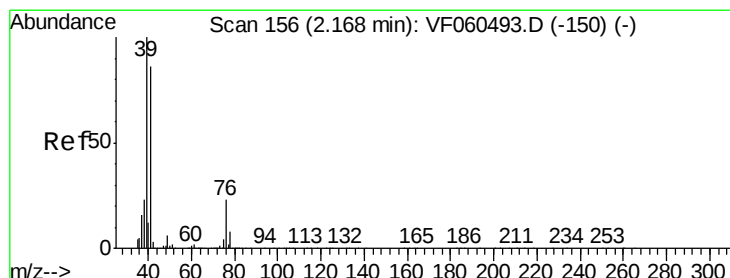
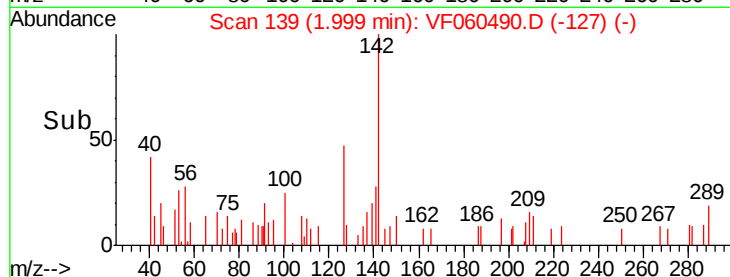
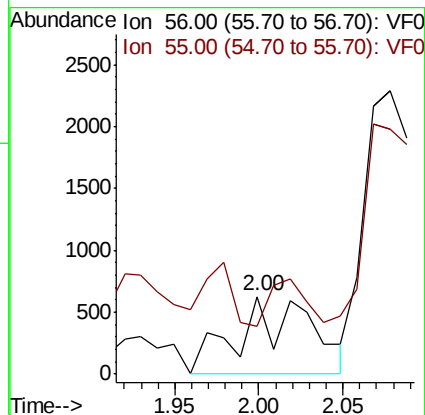
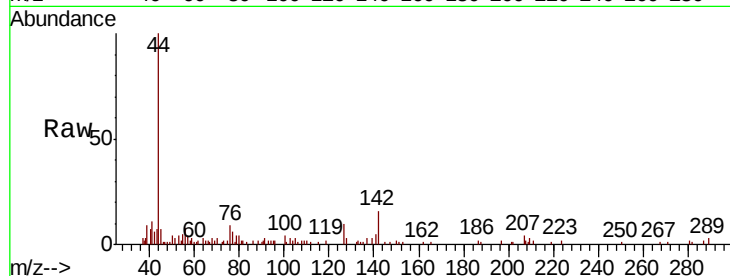
BFB

Tgt Ion: 56 Resp: 1871

Ion Ratio Lower Upper

56 100

55 61.7 55.3 82.9



#14

Allyl chloride

Concen: 4.794 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

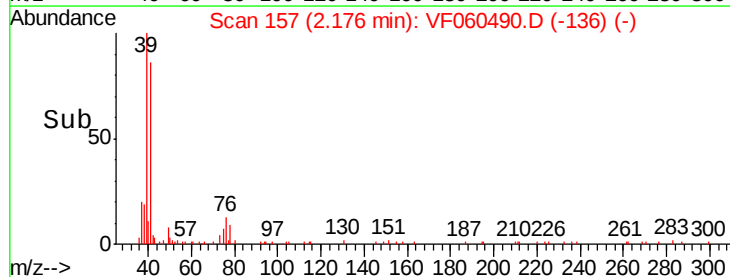
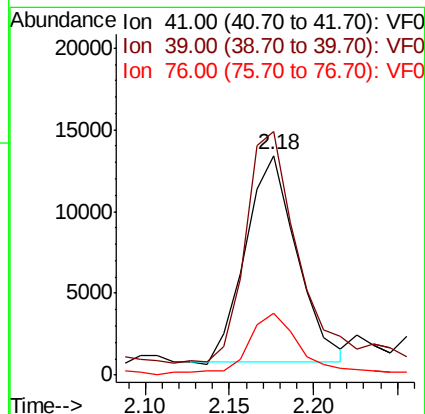
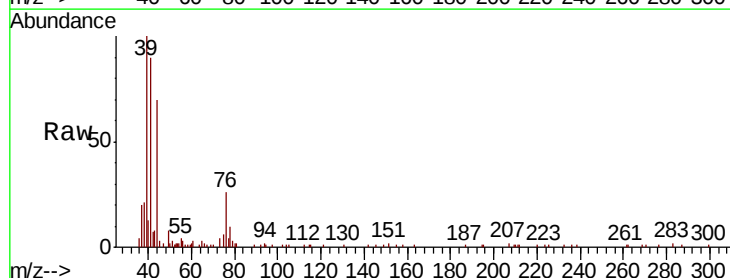
Tgt Ion: 41 Resp: 26680

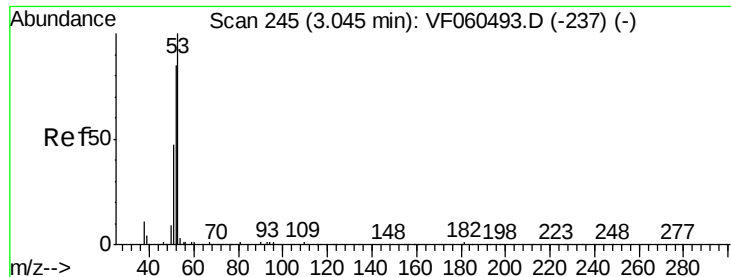
Ion Ratio Lower Upper

41 100

39 110.9 93.1 139.7

76 28.3 21.6 32.4





#15

Acrylonitrile

Concen: 24.488 ug/l

RT: 3.05 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampled :

BFB

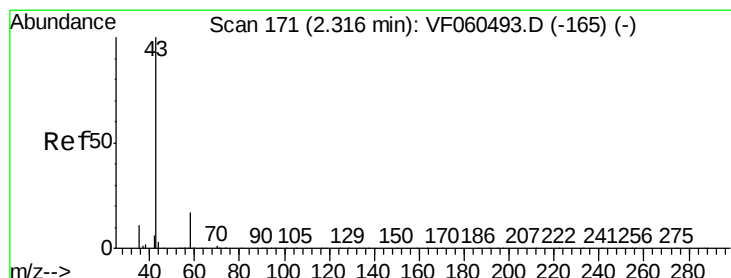
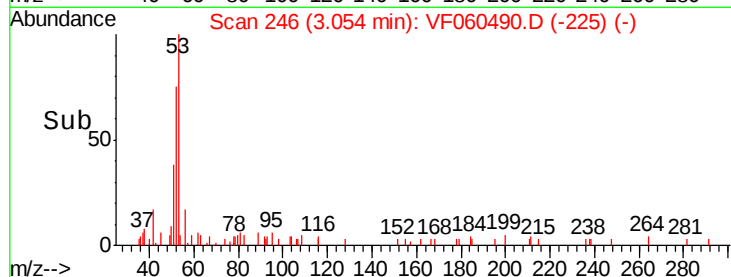
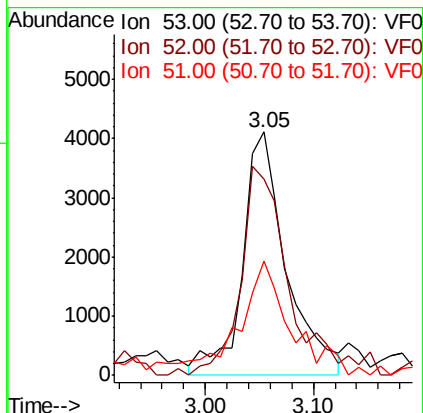
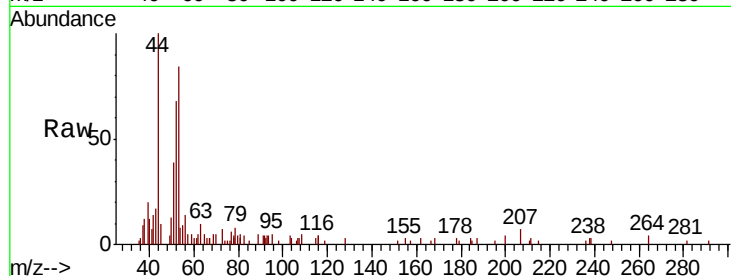
Tgt Ion: 53 Resp: 11585

Ion Ratio Lower Upper

53 100

52 80.9 67.5 101.3

51 47.0 38.2 57.4



#16

Acetone

Concen: 28.491 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060490.D

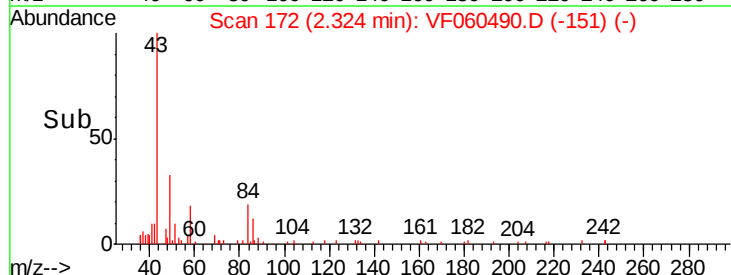
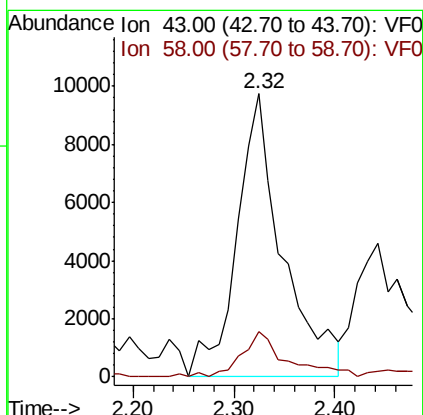
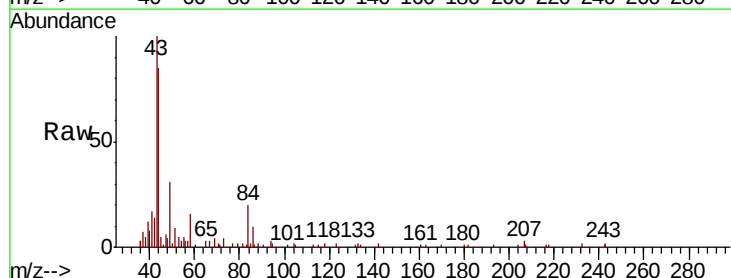
Acq: 9 Oct 2018 14:46

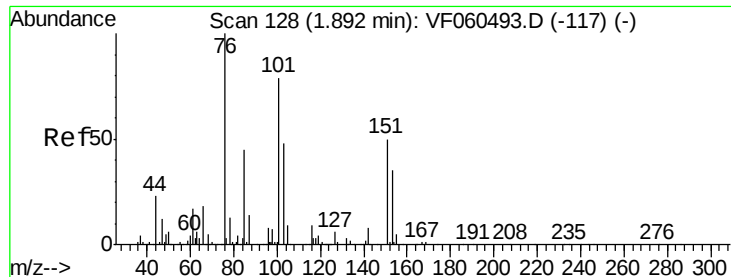
Tgt Ion: 43 Resp: 30796

Ion Ratio Lower Upper

43 100

58 16.2 13.2 19.8

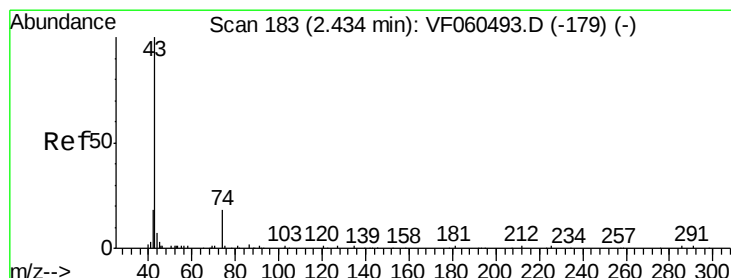
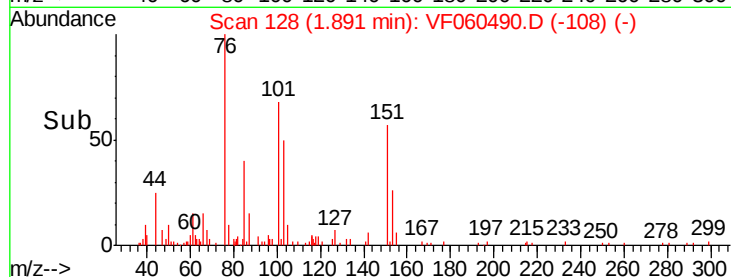
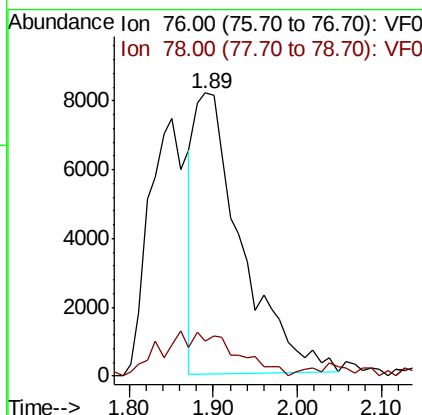
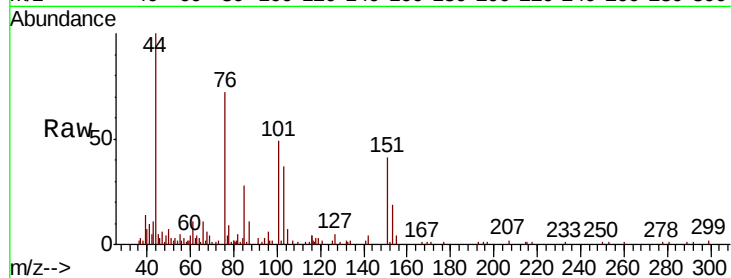




#17
Carbon Disulfide
Concen: 2.987 ug/l
RT: 1.89 min Scan# 128
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

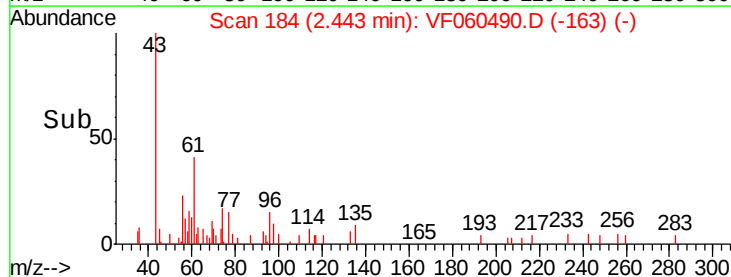
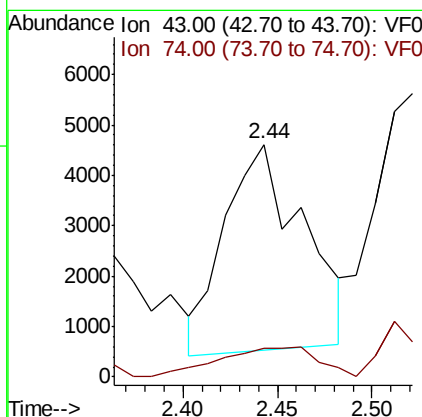
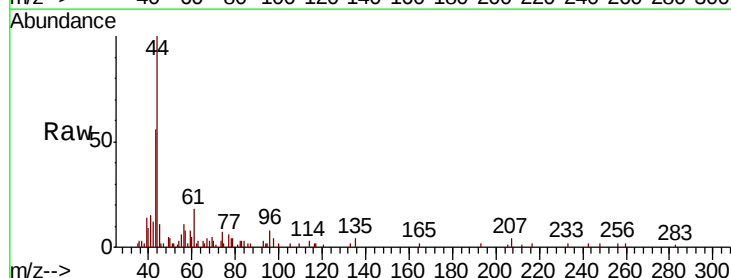
Instrument :
MSVOA_F
ClientSampleId :
BFB

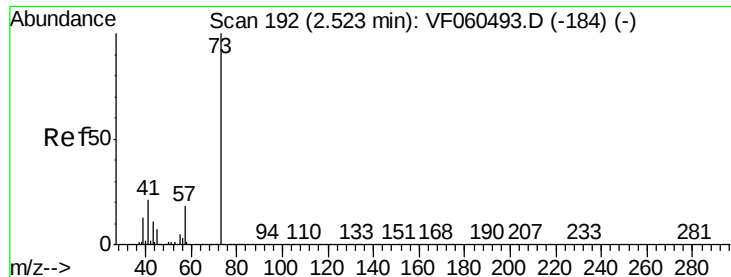
Tgt Ion: 76 Resp: 31487
Ion Ratio Lower Upper
76 100
78 12.6 10.5 15.7



#18
Methyl Acetate
Concen: 6.204 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Tgt Ion: 43 Resp: 11838
Ion Ratio Lower Upper
43 100
74 12.2 12.9 19.3#



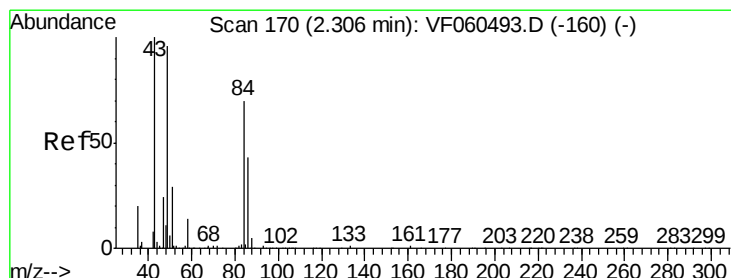
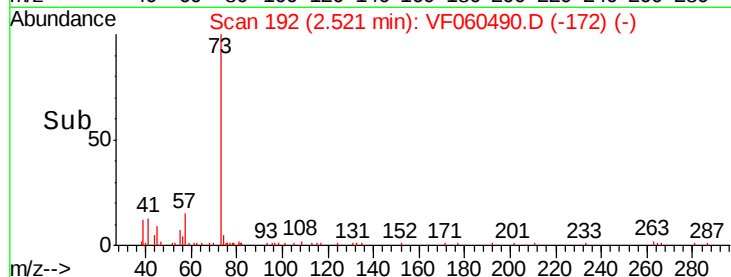
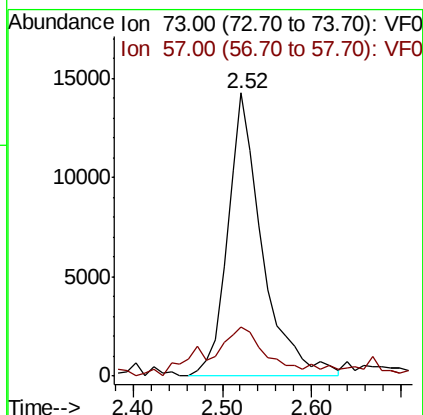
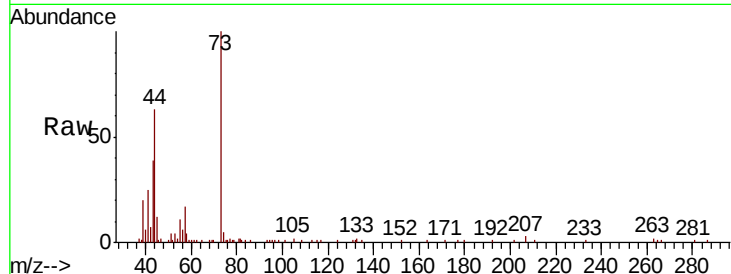


#19

Methyl tert-butyl Ether
Concen: 4.508 ug/l
RT: 2.52 min Scan# 192
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
BFB

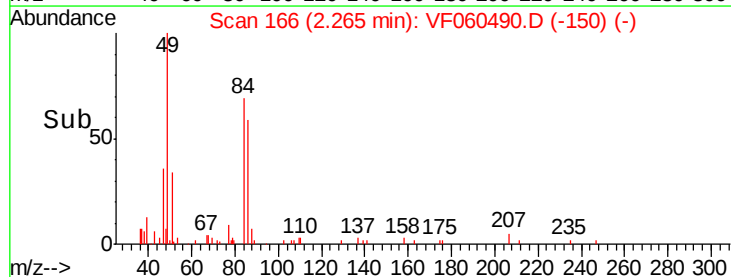
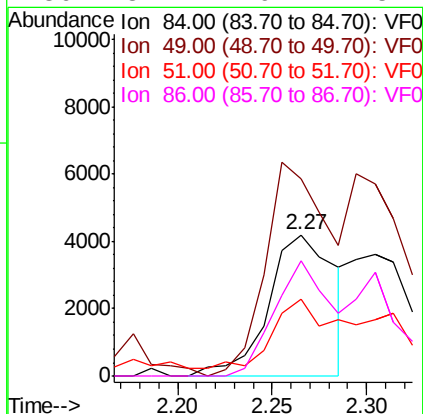
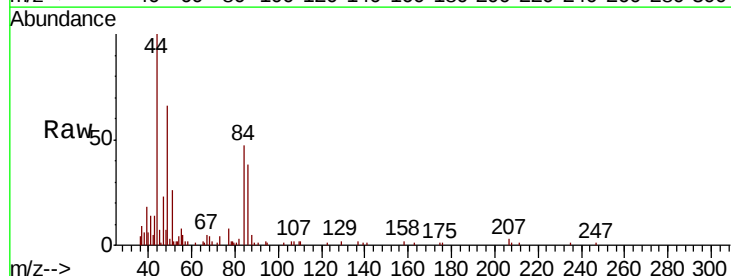
Tgt Ion: 73 Resp: 38626
Ion Ratio Lower Upper
73 100
57 17.2 15.0 22.6

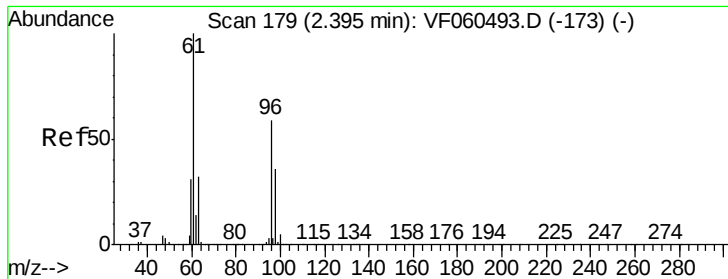


#20

Methylene Chloride
Concen: 2.598 ug/l
RT: 2.27 min Scan# 166
Delta R.T. -0.04 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Tgt Ion: 84 Resp: 10307
Ion Ratio Lower Upper
84 100
49 139.3 111.5 167.3
51 54.7 34.6 52.0#
86 81.7 49.1 73.7#





#21

trans-1,2-Dichloroethene

Concen: 4.595 ug/l

RT: 2.39 min Scan# 179

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

BFB

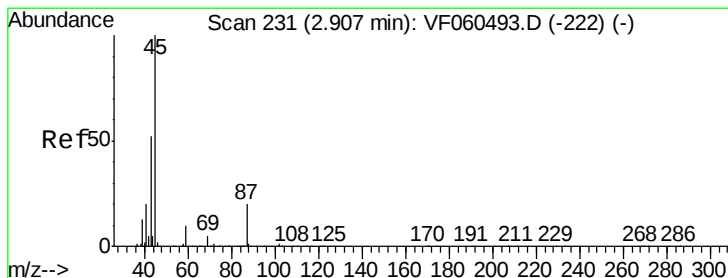
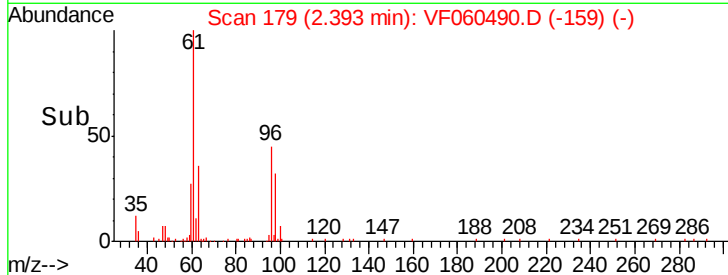
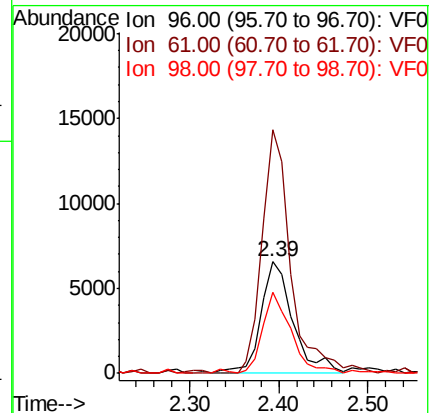
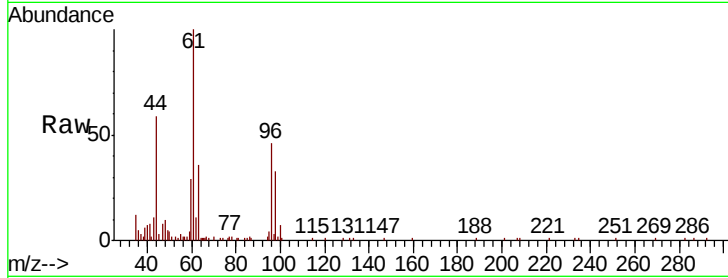
Tgt Ion: 96 Resp: 16269

Ion Ratio Lower Upper

96 100

61 218.3 136.2 204.4#

98 72.8 49.7 74.5



#22

Diisopropyl ether

Concen: 4.857 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Tgt Ion: 45 Resp: 51029

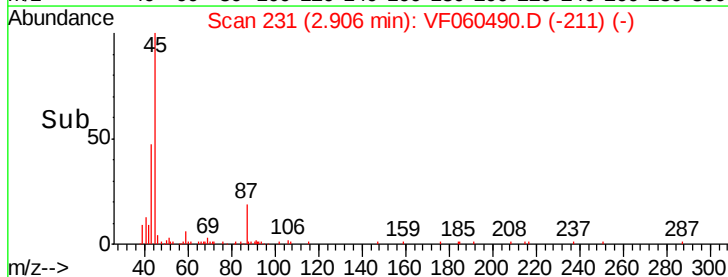
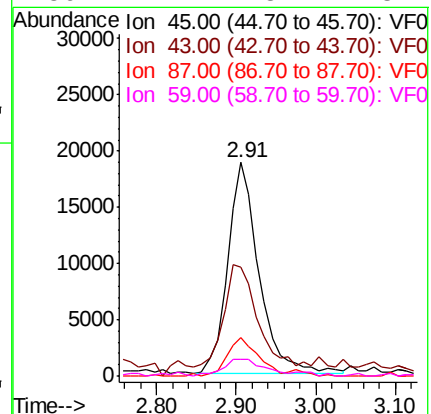
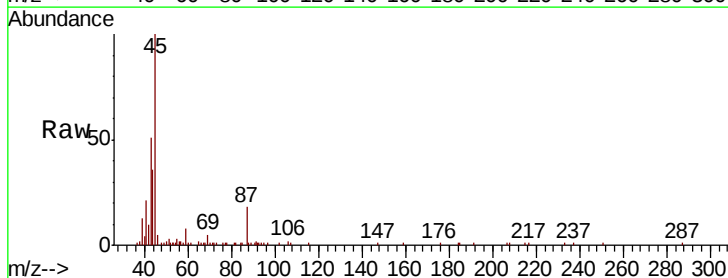
Ion Ratio Lower Upper

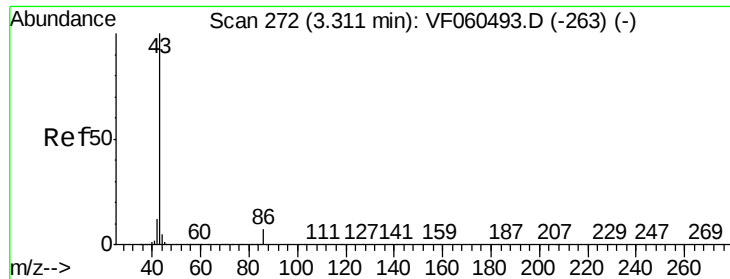
45 100

43 50.8 41.8 62.8

87 18.1 15.7 23.5

59 7.7 8.7 13.1#





#23

Vinyl Acetate

Concen: 23.319 ug/l

RT: 3.31 min Scan# 272

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

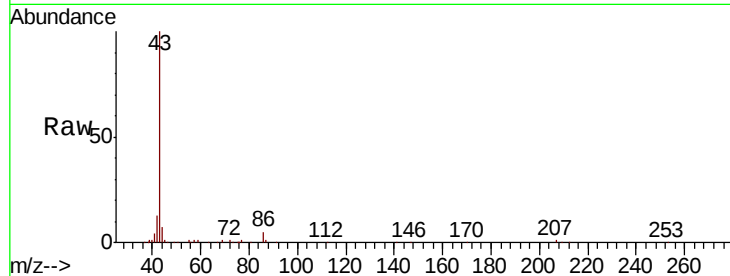
BFB

Tgt Ion: 43 Resp: 94652

Ion Ratio Lower Upper

43 100

86 5.2 5.8 8.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.31

40000

30000

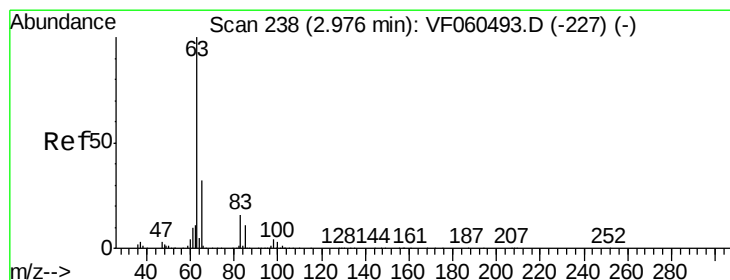
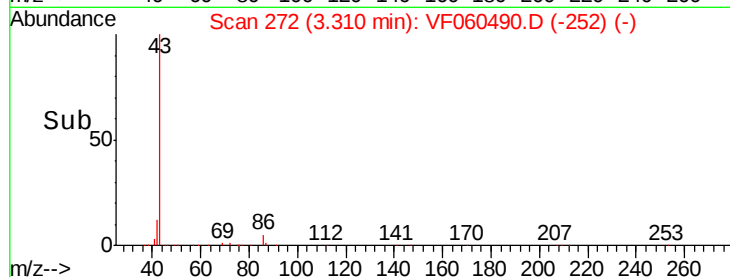
20000

10000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 5.075 ug/l

RT: 2.98 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

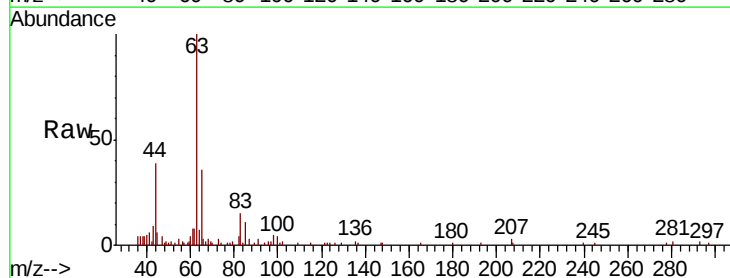
Tgt Ion: 63 Resp: 35891

Ion Ratio Lower Upper

63 100

98 5.3 2.2 6.6

100 4.6 1.5 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.98

15000

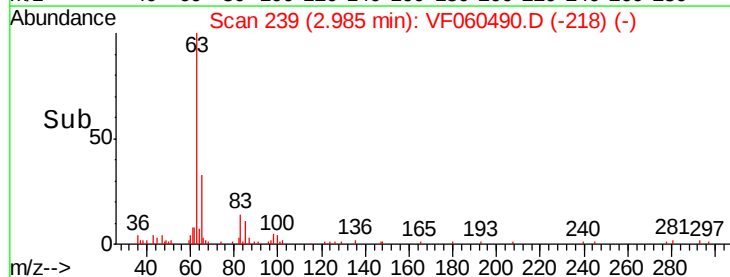
10000

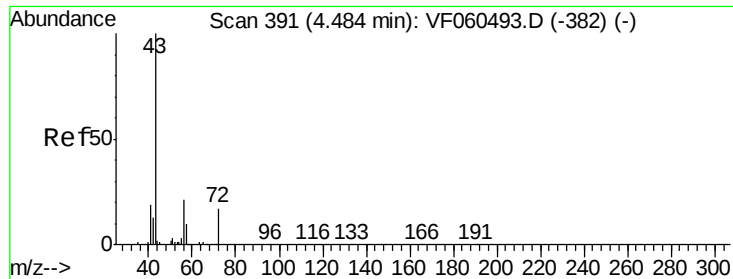
5000

0

Time-->

2.90 3.00 3.10





#25

2-Butanone

Concen: 23.689 ug/l

RT: 4.49 min Scan# 392

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

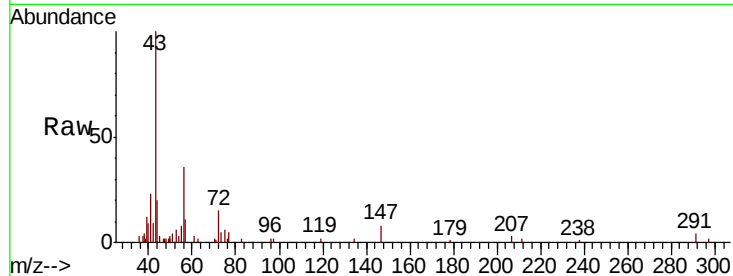
BFB

Tgt Ion: 43 Resp: 27681

Ion Ratio Lower Upper

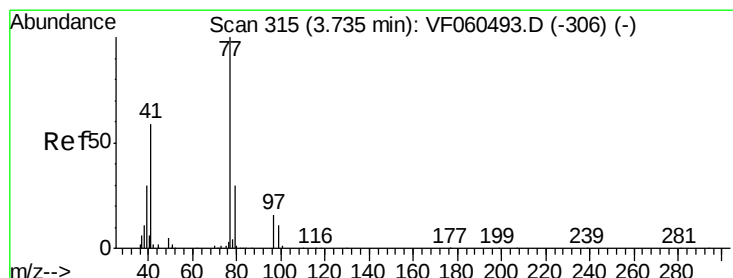
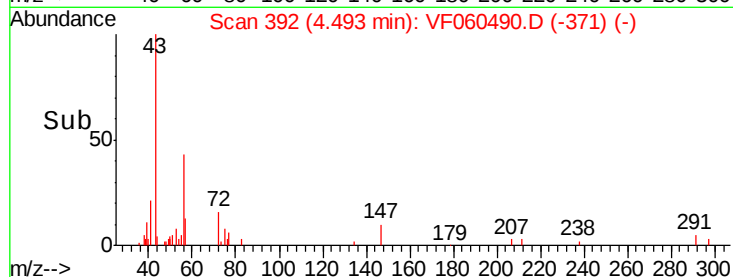
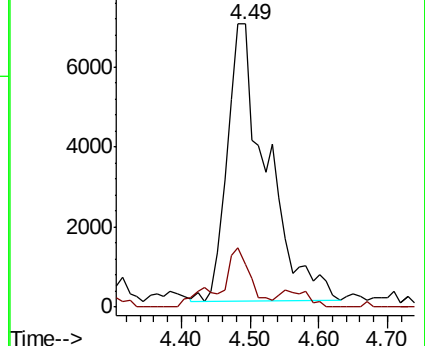
43 100

72 15.3 15.0 22.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 4.986 ug/l

RT: 3.73 min Scan# 315

Delta R.T. -0.00 min

Lab File: VF060490.D

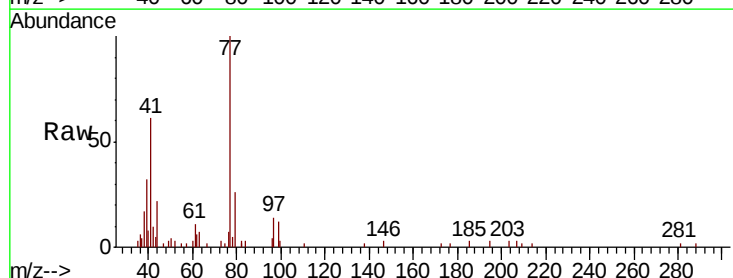
Acq: 9 Oct 2018 14:46

Tgt Ion: 77 Resp: 19556

Ion Ratio Lower Upper

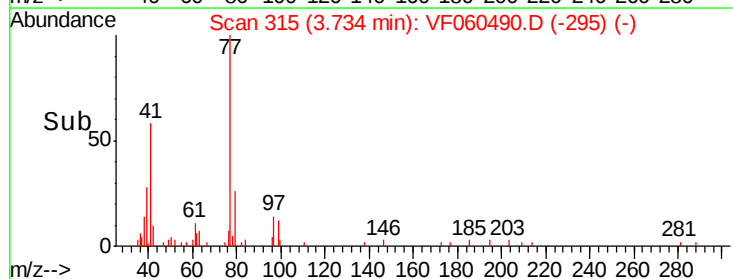
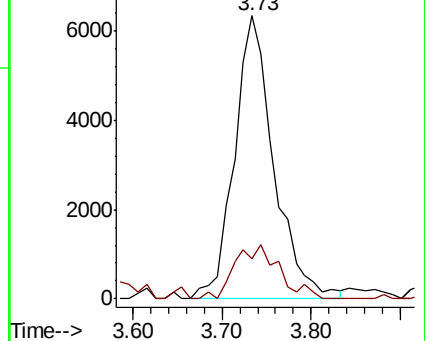
77 100

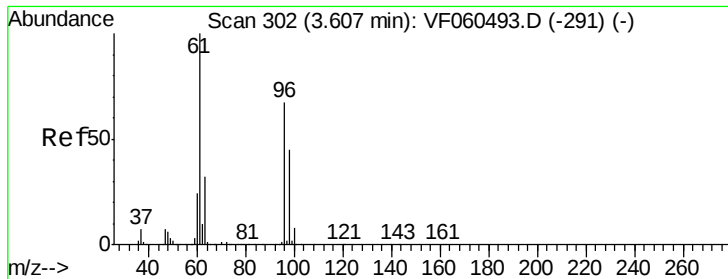
97 14.2 8.6 25.7



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



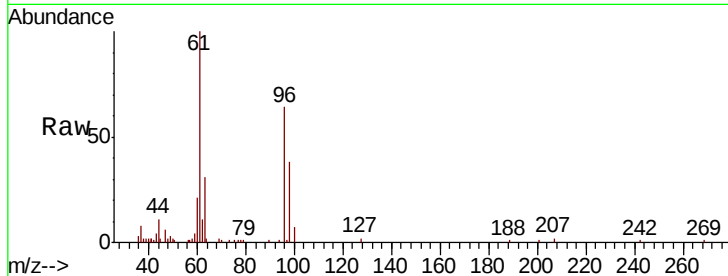


#27

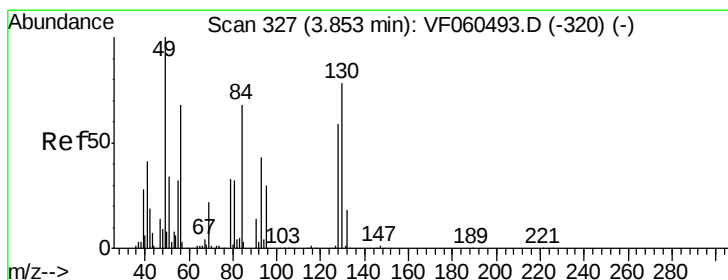
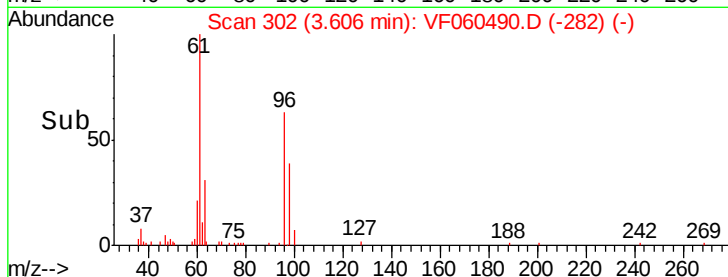
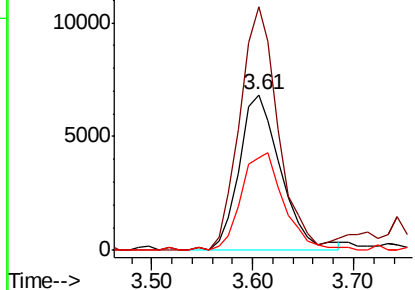
cis-1,2-Dichloroethene
 Concen: 4.954 ug/l
 RT: 3.61 min Scan# 302
 Delta R.T. -0.00 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

Instrument :
 MSVOA_F
 ClientSampled :
 BFB

Tgt Ion: 96 Resp: 19654
 Ion Ratio Lower Upper
 96 100
 61 156.6 0.0 298.0
 98 59.8 0.0 135.0



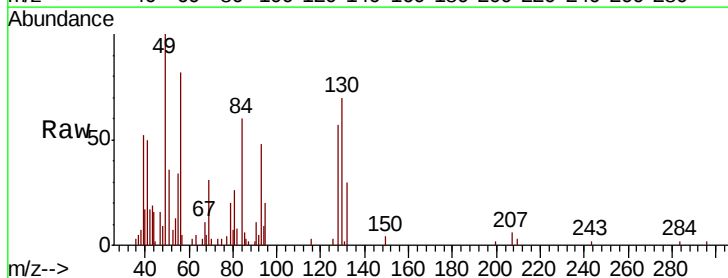
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



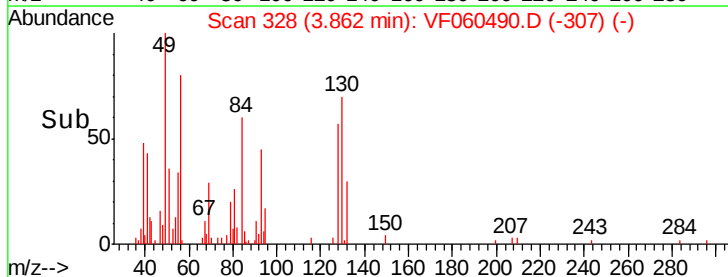
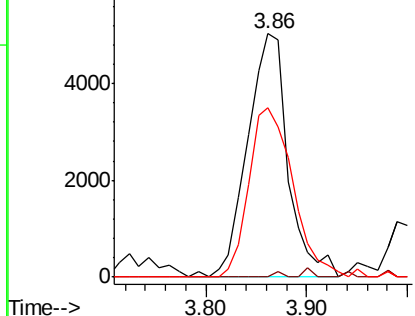
#28

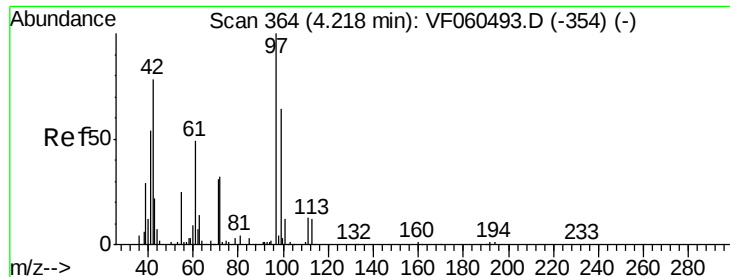
Bromochloromethane
 Concen: 5.617 ug/l
 RT: 3.86 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

Tgt Ion: 49 Resp: 14071
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 69.8 62.2 93.2



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





#29

Tetrahydrofuran

Concen: 25.503 ug/l

RT: 4.23 min Scan# 365

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

BFB

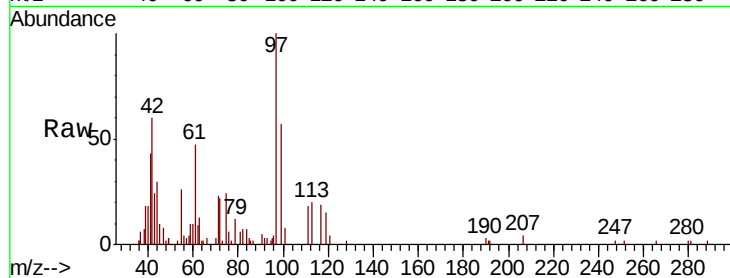
Tgt Ion: 42 Resp: 12045

Ion Ratio Lower Upper

42 100

72 35.8 31.9 47.9

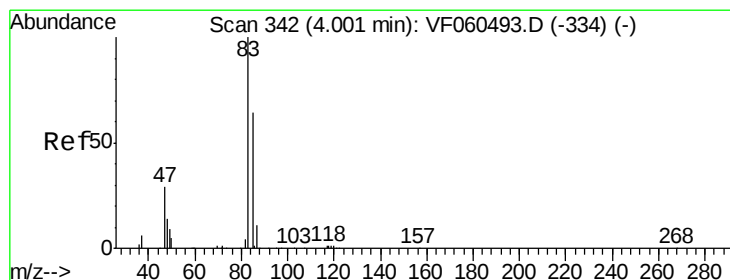
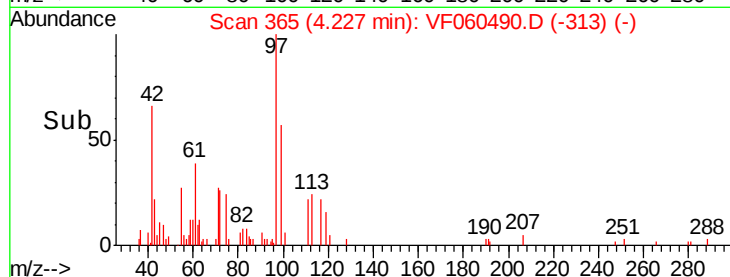
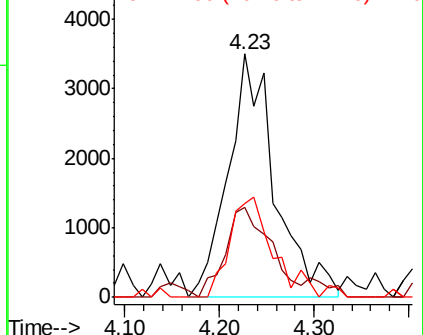
71 37.7 33.4 50.0



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 5.072 ug/l

RT: 4.01 min Scan# 343

Delta R.T. 0.01 min

Lab File: VF060490.D

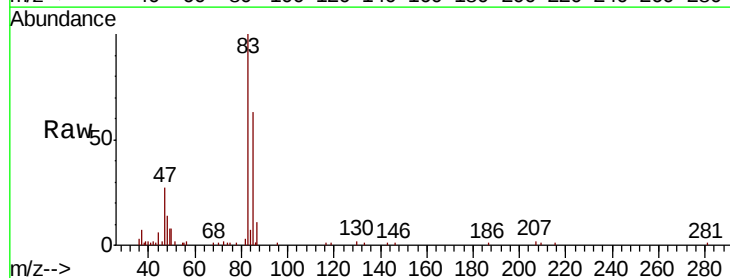
Acq: 9 Oct 2018 14:46

Tgt Ion: 83 Resp: 43237

Ion Ratio Lower Upper

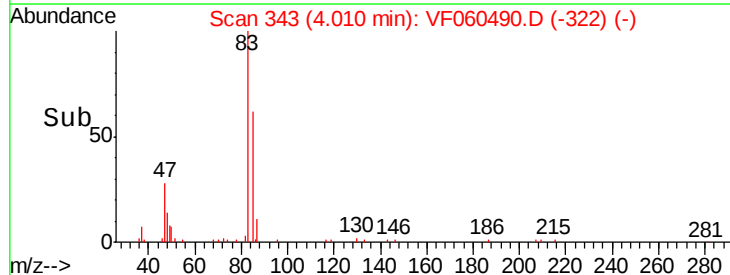
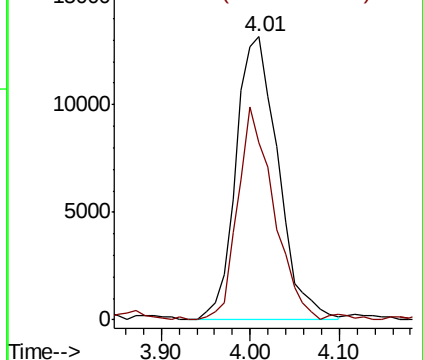
83 100

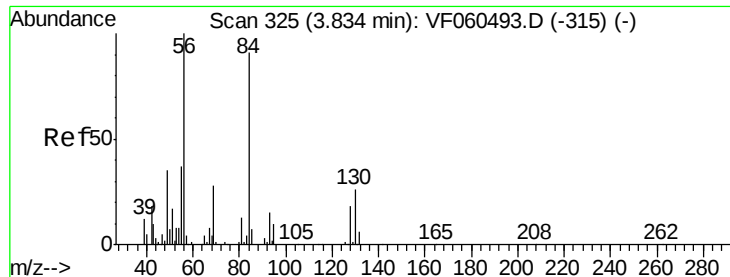
85 62.6 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

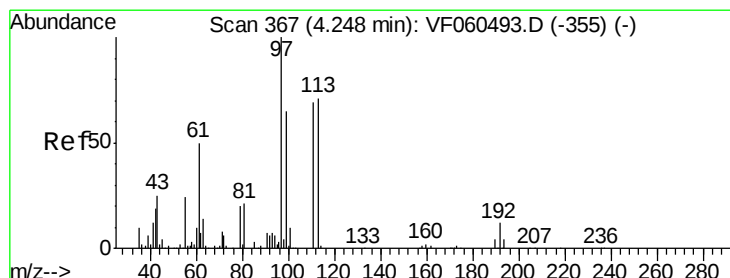
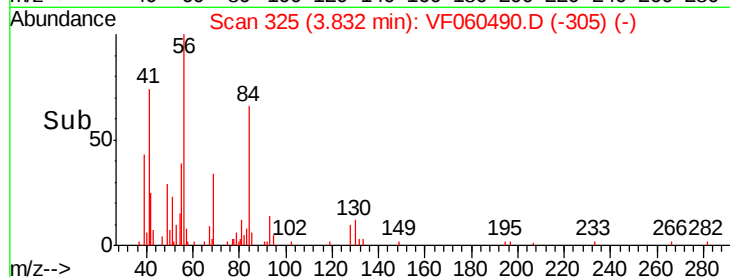
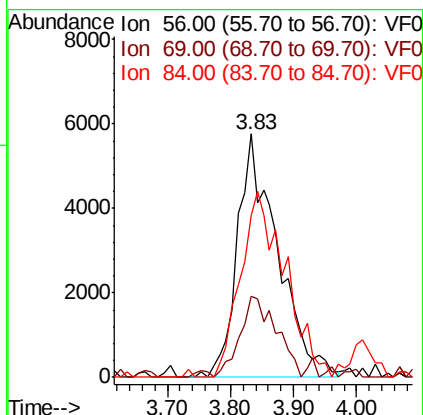
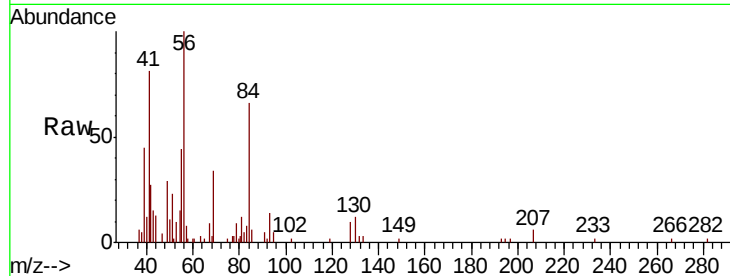




#31
Cyclohexane
Concen: 5.179 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

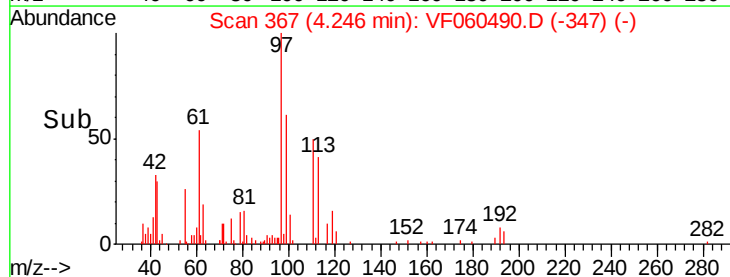
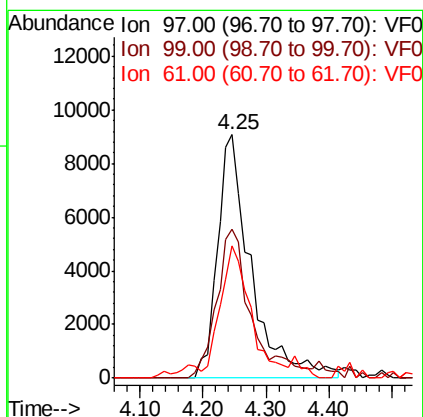
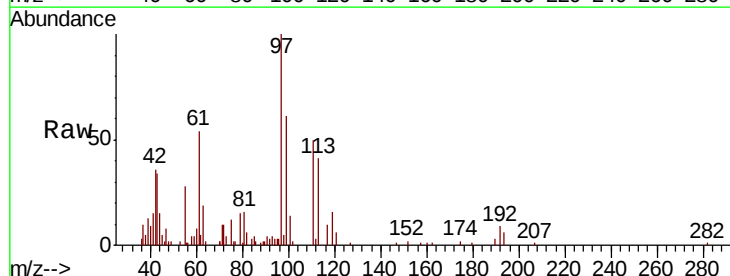
Instrument :
MSVOA_F
ClientSampleId :
BFB

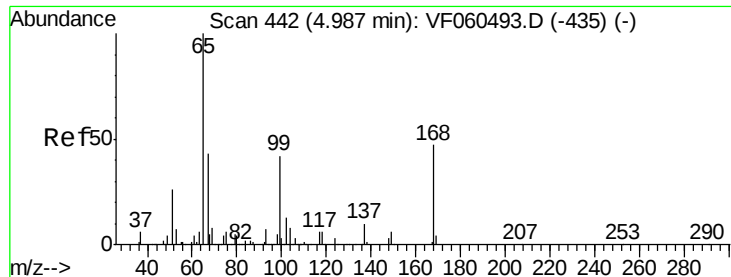
Tgt Ion: 56 Resp: 25416
Ion Ratio Lower Upper
56 100
69 33.5 22.7 34.1
84 66.4 73.1 109.7#



#32
1,1,1-Trichloroethane
Concen: 4.794 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Tgt Ion: 97 Resp: 33591
Ion Ratio Lower Upper
97 100
99 61.1 52.3 78.5
61 54.2 39.8 59.8

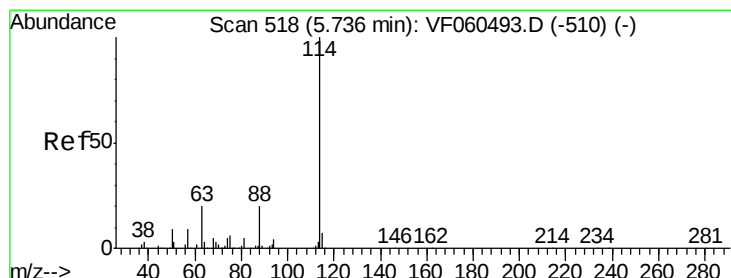
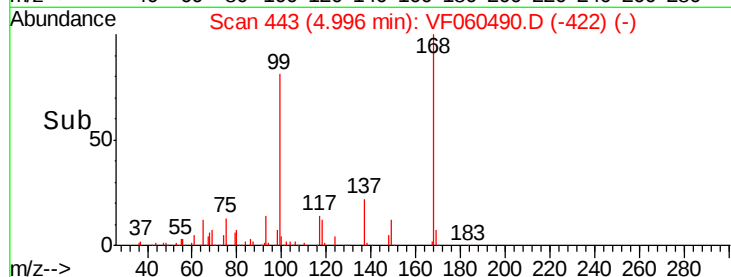
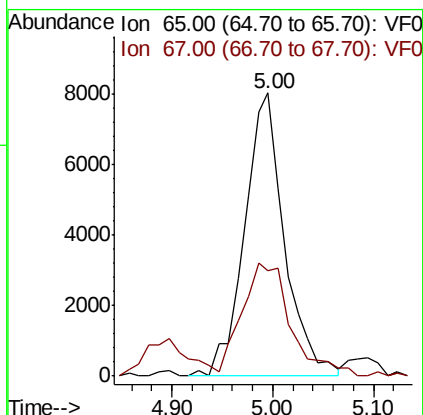
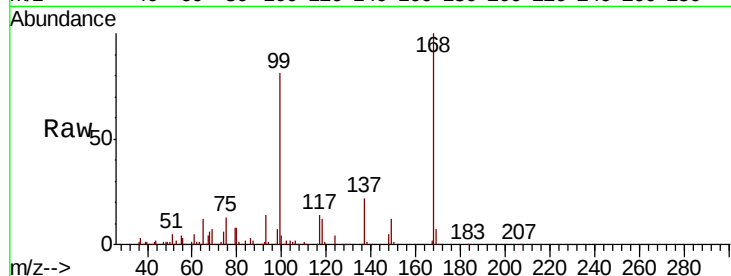




#33
 1,2-Dichloroethane-d4
 Concen: 4.878 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

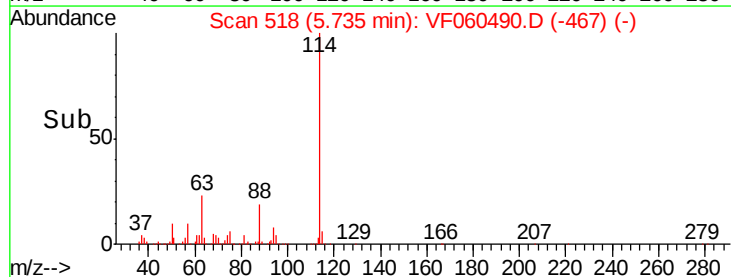
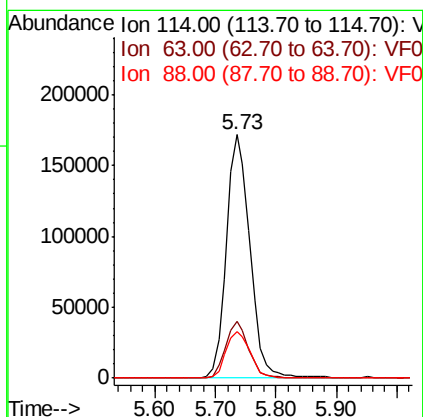
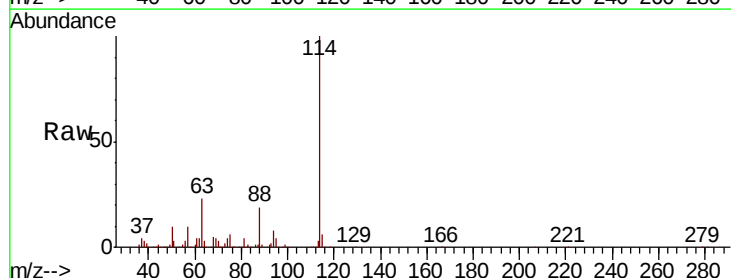
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

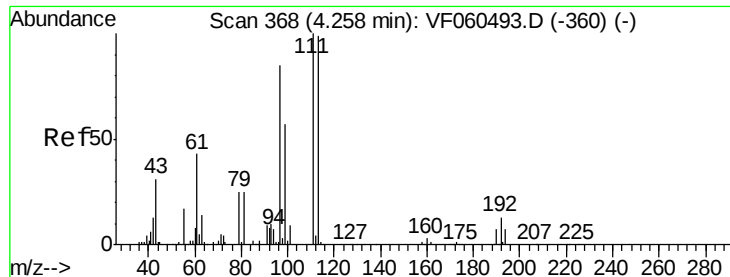
Tgt Ion: 65 Resp: 22131
 Ion Ratio Lower Upper
 65 100
 67 37.2 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

Tgt Ion: 114 Resp: 463243
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 40.2
 88 19.1 0.0 40.2





#35

Dibromofluoromethane

Concen: 4.903 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

BFB

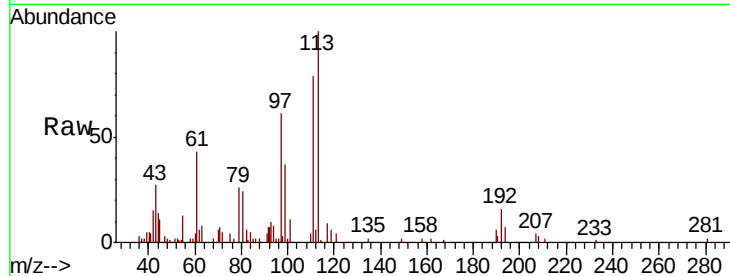
Tgt Ion: 113 Resp: 21235

Ion Ratio Lower Upper

113 100

111 79.4 81.0 121.6#

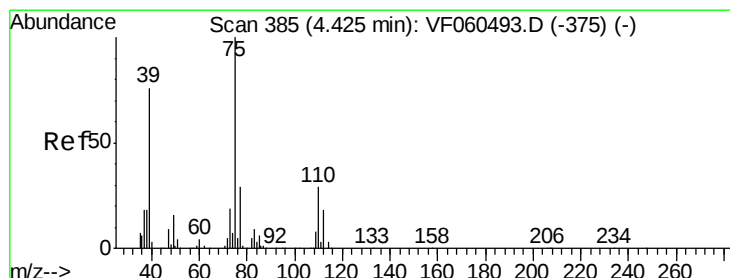
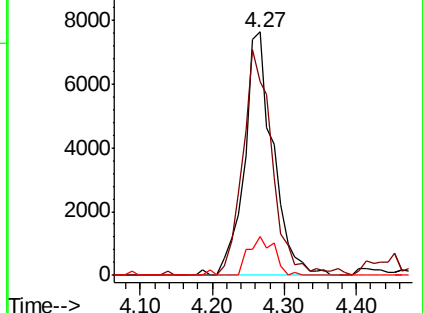
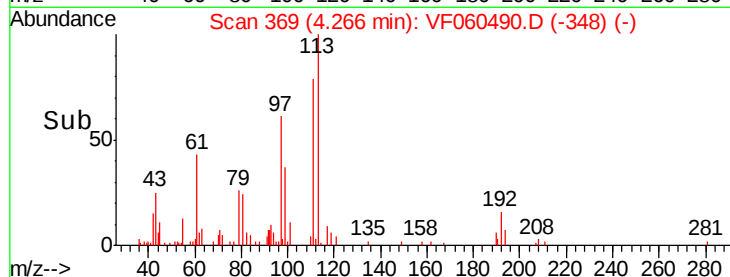
192 16.0 10.7 16.1



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 5.287 ug/l

RT: 4.43 min Scan# 386

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

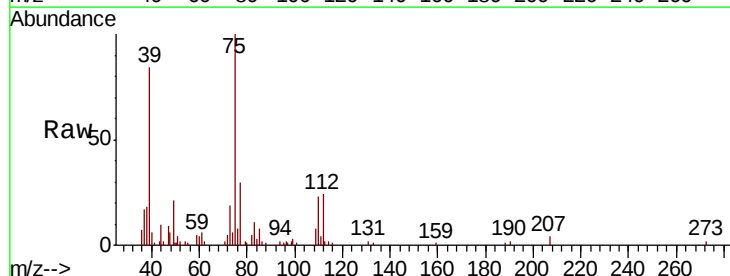
Tgt Ion: 75 Resp: 29940

Ion Ratio Lower Upper

75 100

110 23.4 14.4 43.2

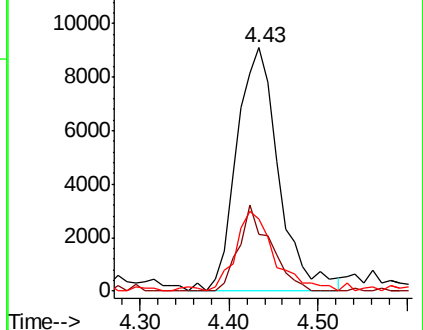
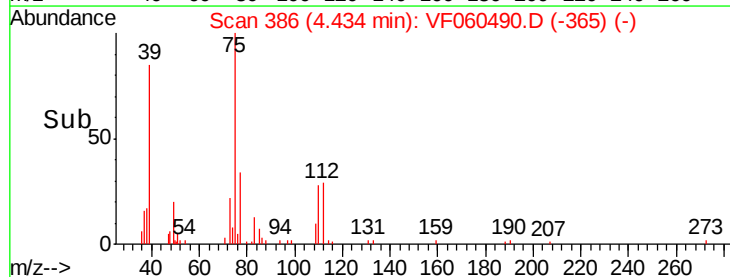
77 29.7 23.5 35.3

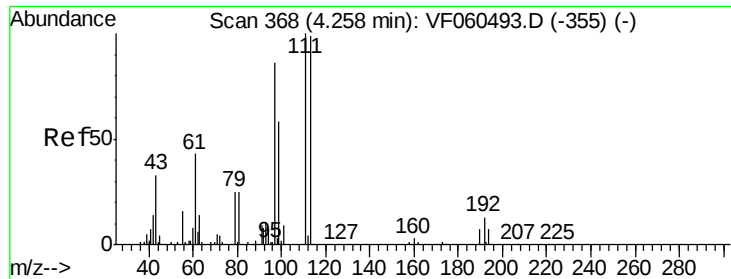


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

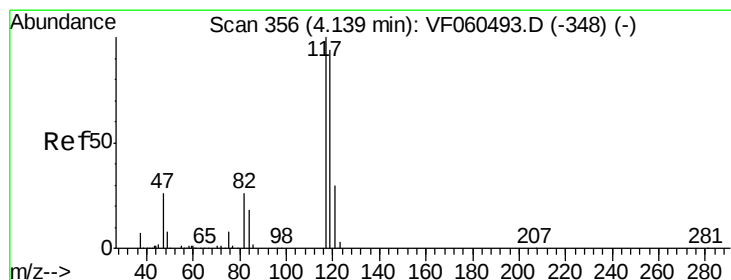
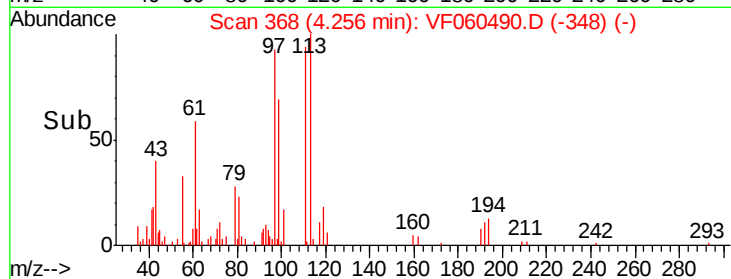
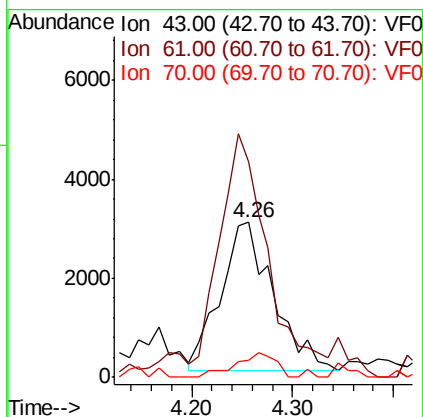
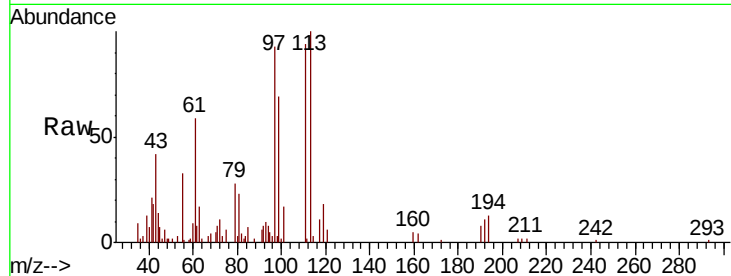




#37
 Ethyl Acetate
 Concen: 5.009 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

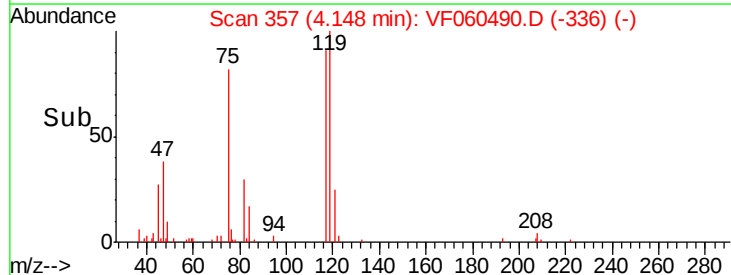
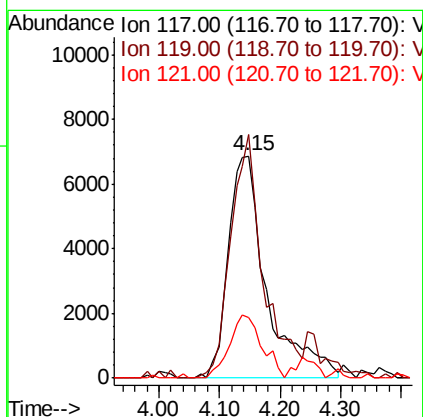
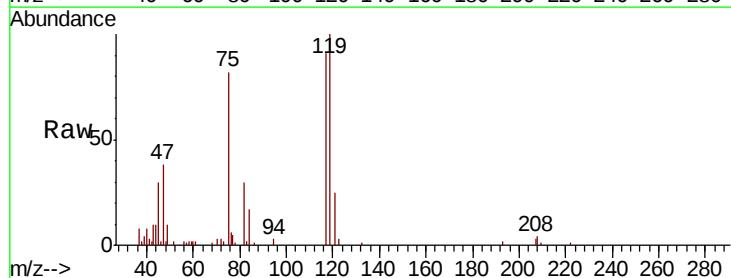
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

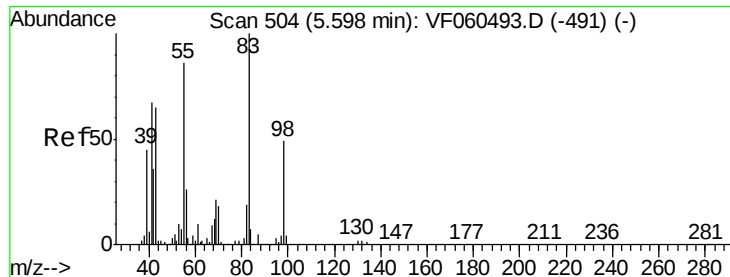
Tgt Ion: 43 Resp: 10839
 Ion Ratio Lower Upper
 43 100
 61 139.0 106.5 159.7
 70 10.7 6.5 9.7#



#38
 Carbon Tetrachloride
 Concen: 4.534 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

Tgt Ion: 117 Resp: 30333
 Ion Ratio Lower Upper
 117 100
 119 109.7 75.0 112.4
 121 27.3 23.8 35.6

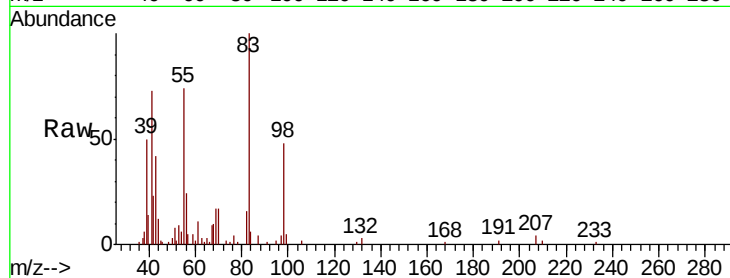




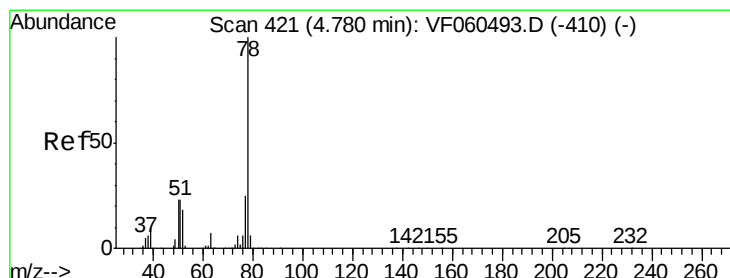
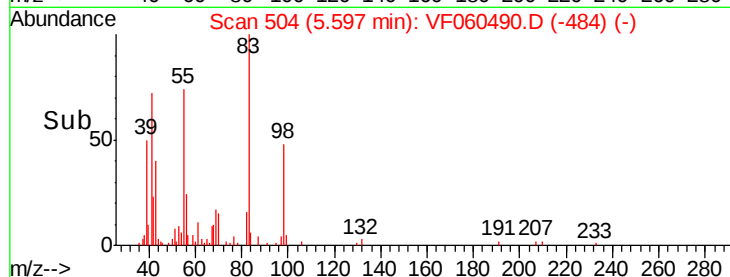
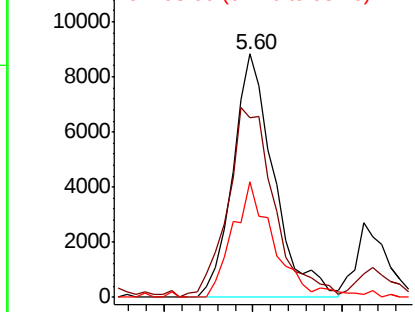
#39
Methylcyclohexane
Concen: 5.020 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 28232
Ion Ratio Lower Upper
83 100
55 73.8 69.2 103.8
98 47.7 39.6 59.4

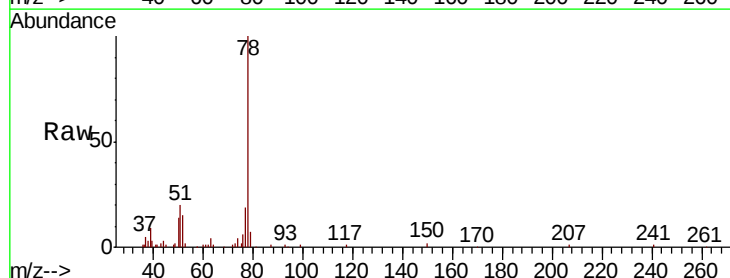


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

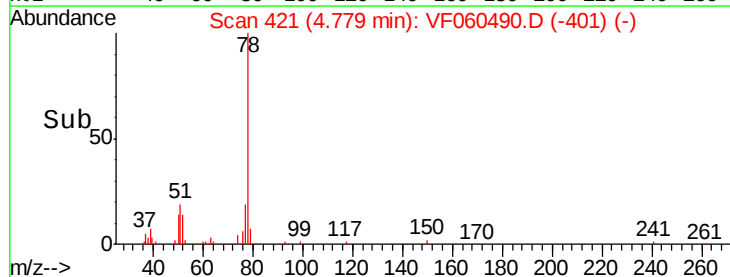
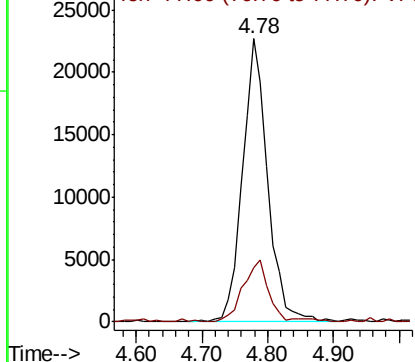


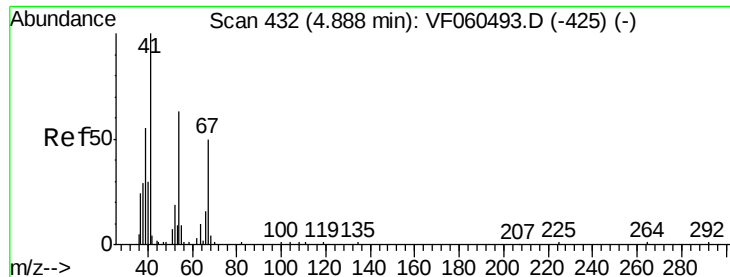
#40
Benzene
Concen: 5.332 ug/l
RT: 4.78 min Scan# 421
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Tgt Ion: 78 Resp: 60708
Ion Ratio Lower Upper
78 100
77 19.4 19.8 29.8#



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





#41

Methacrylonitrile

Concen: 5.136 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

BFB

Tgt Ion: 41 Resp: 5962

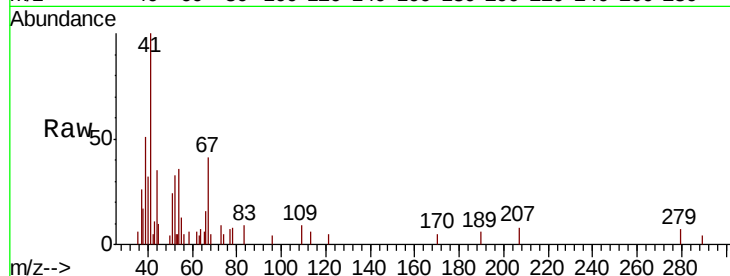
Ion Ratio Lower Upper

41 100

39 50.8 53.1 79.7#

67 41.1 39.4 59.0

52 32.6 35.0 52.6#

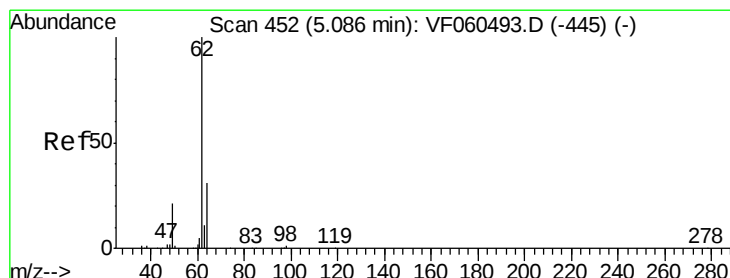
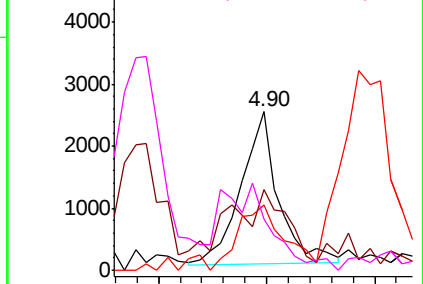
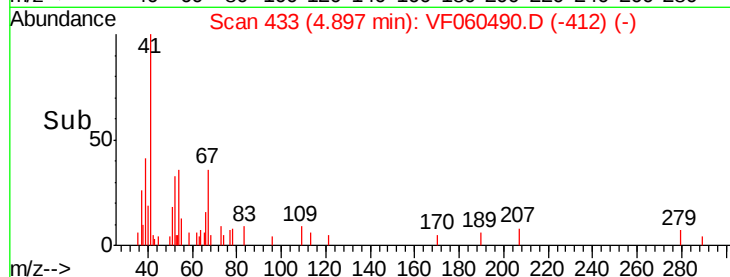


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 4.636 ug/l

RT: 5.09 min Scan# 453

Delta R.T. 0.01 min

Lab File: VF060490.D

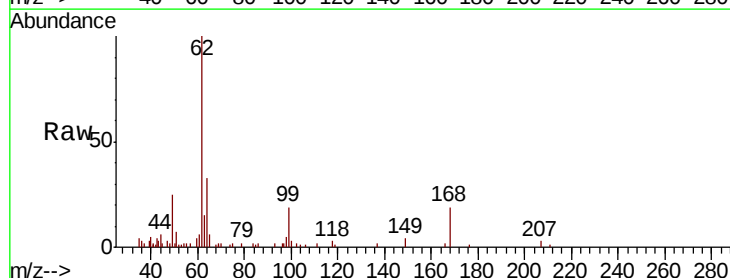
Acq: 9 Oct 2018 14:46

Tgt Ion: 62 Resp: 25006

Ion Ratio Lower Upper

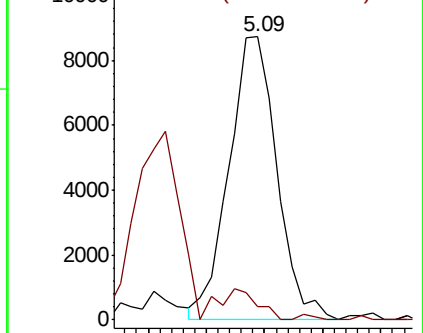
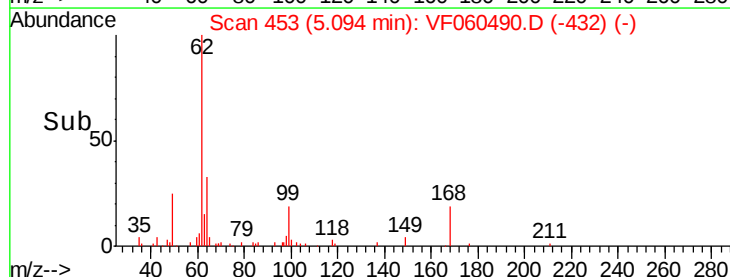
62 100

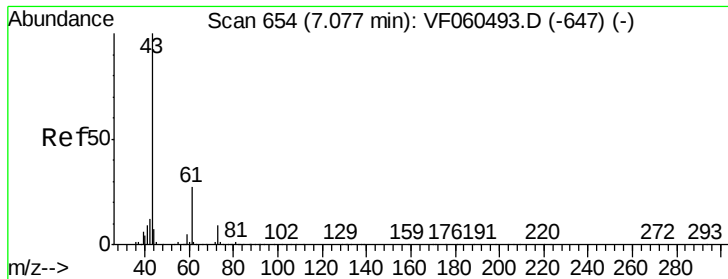
98 4.6 0.0 12.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 5.262 ug/l

RT: 7.09 min Scan# 655

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

BFB

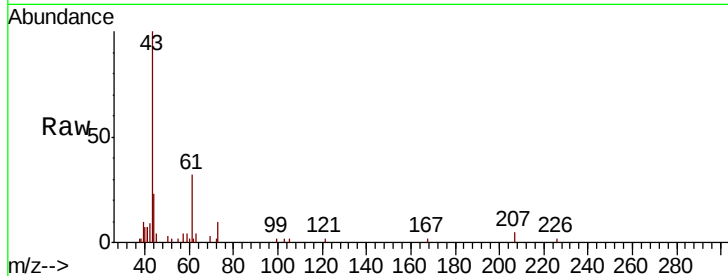
Tgt Ion: 43 Resp: 13816

Ion Ratio Lower Upper

43 100

61 31.7 21.6 32.4

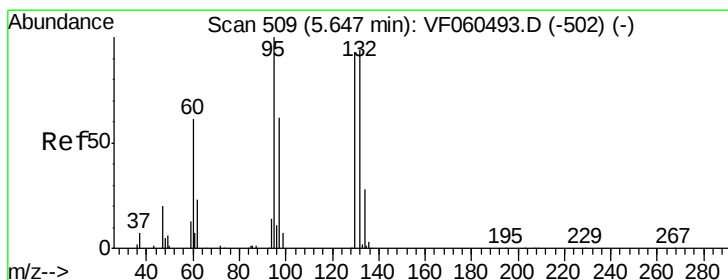
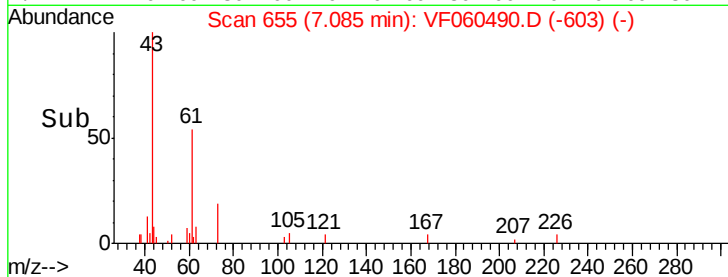
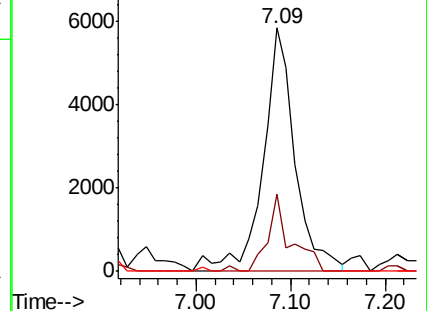
87 0.0 0.6 0.8#



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: 5.204 ug/l

RT: 5.64 min Scan# 508

Delta R.T. -0.01 min

Lab File: VF060490.D

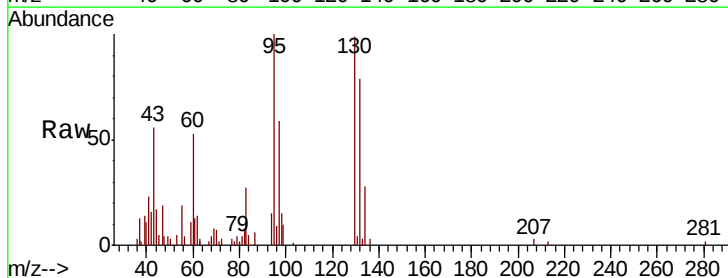
Acq: 9 Oct 2018 14:46

Tgt Ion: 130 Resp: 19049

Ion Ratio Lower Upper

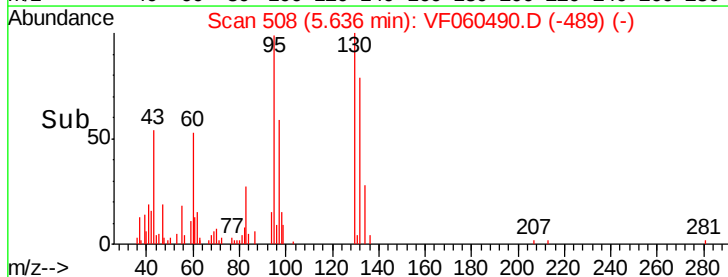
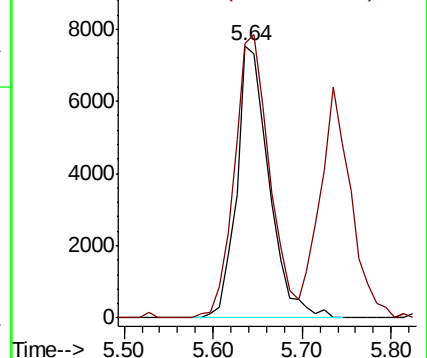
130 100

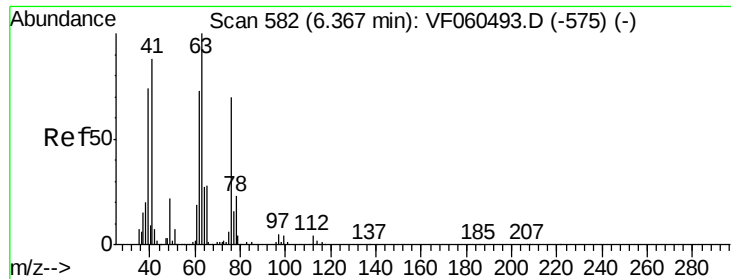
95 100.9 0.0 216.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 4.617 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

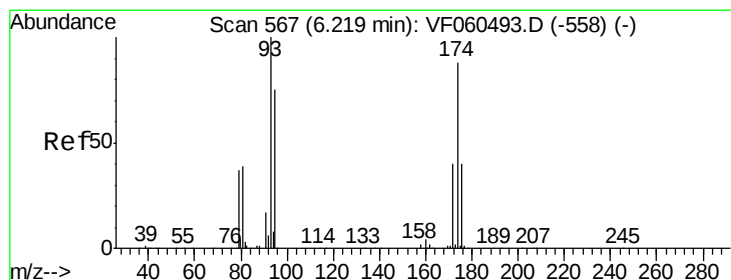
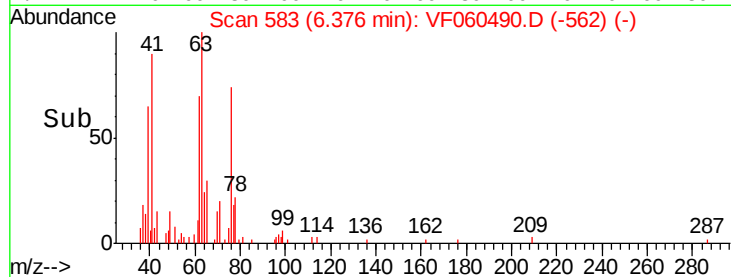
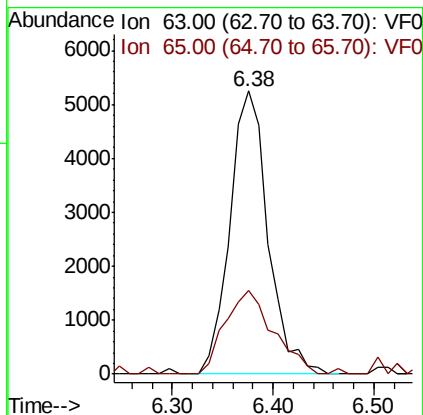
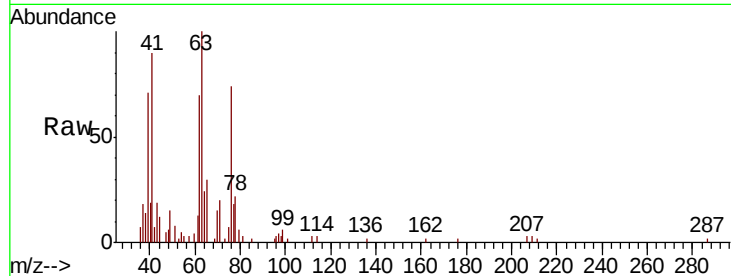
BFB

Tgt Ion: 63 Resp: 13800

Ion Ratio Lower Upper

63 100

65 29.7 22.2 33.2



#46

Dibromomethane

Concen: 4.583 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

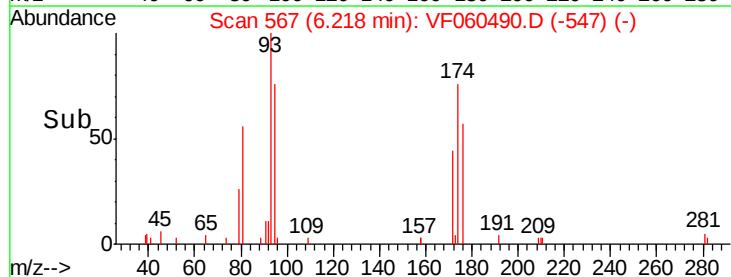
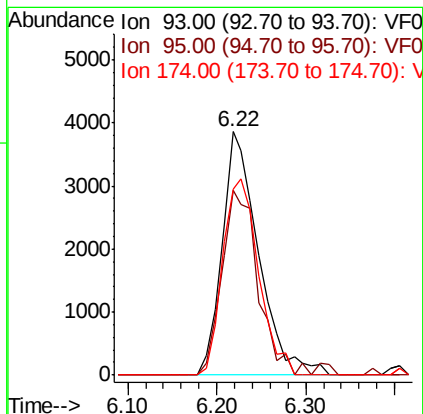
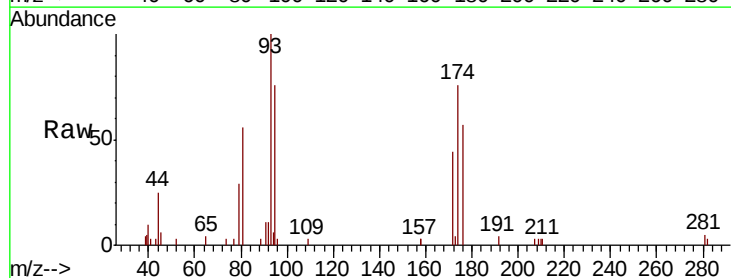
Tgt Ion: 93 Resp: 11036

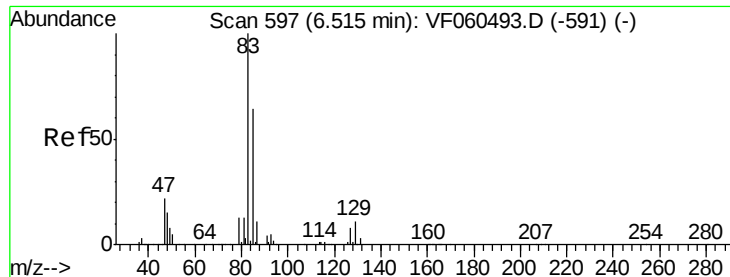
Ion Ratio Lower Upper

93 100

95 75.8 60.0 90.0

174 76.2 71.0 106.6





#47

Bromodichloromethane

Concen: 4.443 ug/l

RT: 6.51 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

BFB

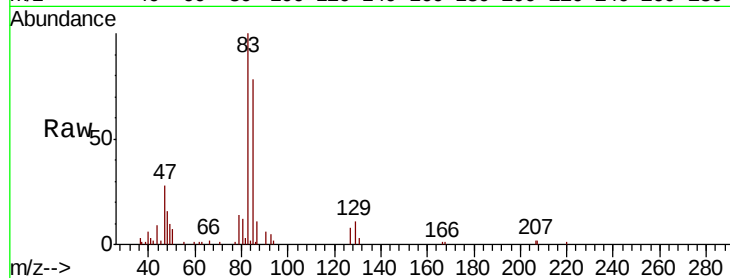
Tgt Ion: 83 Resp: 26659

Ion Ratio Lower Upper

83 100

85 78.2 51.2 76.8#

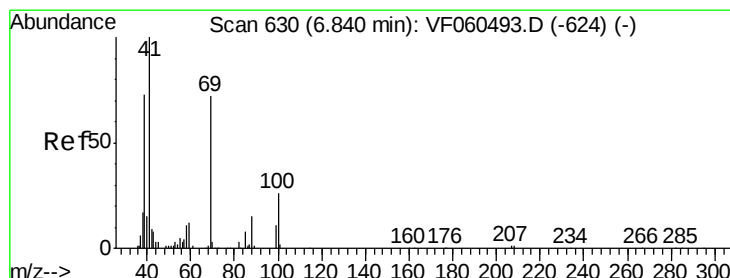
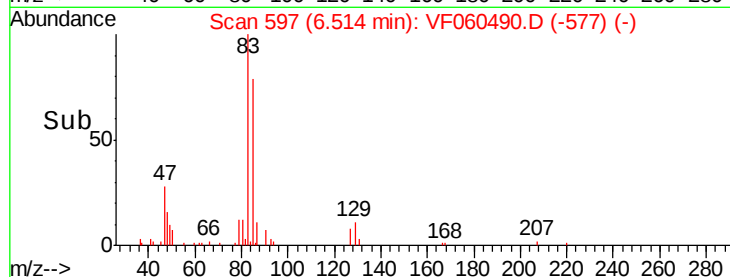
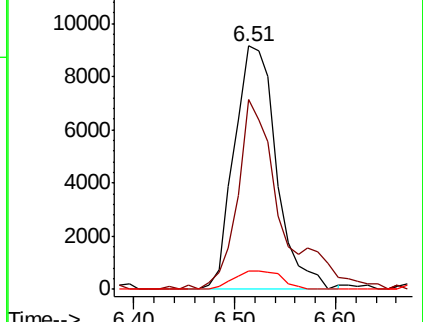
127 7.7 6.5 9.7



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: 4.140 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

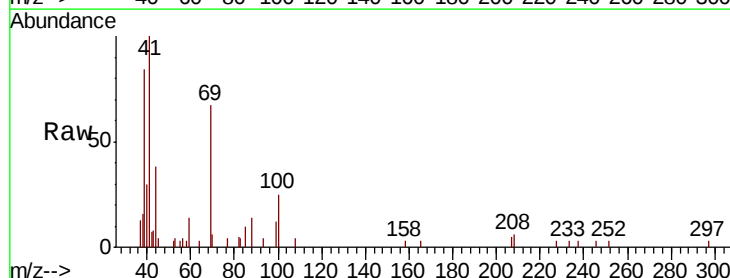
Tgt Ion: 41 Resp: 7770

Ion Ratio Lower Upper

41 100

69 66.6 57.8 86.8

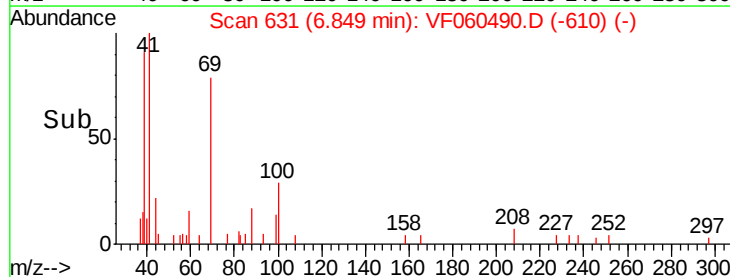
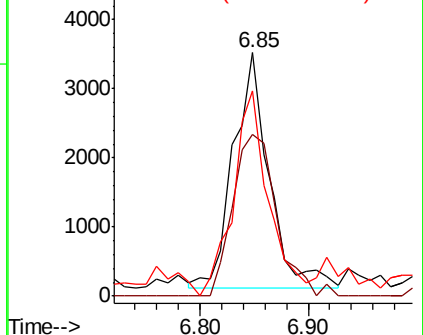
39 84.4 59.1 88.7

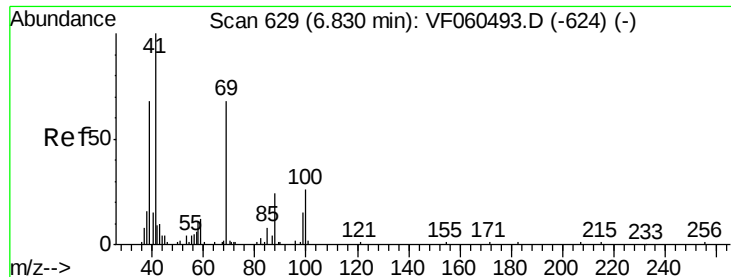


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

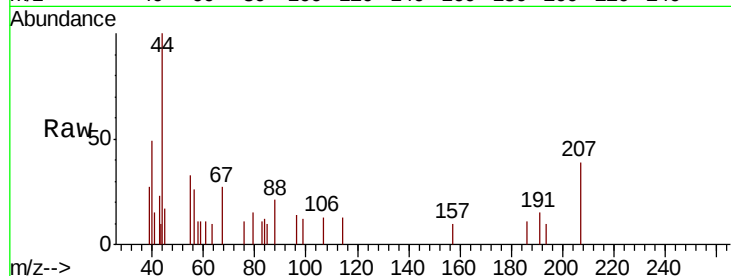




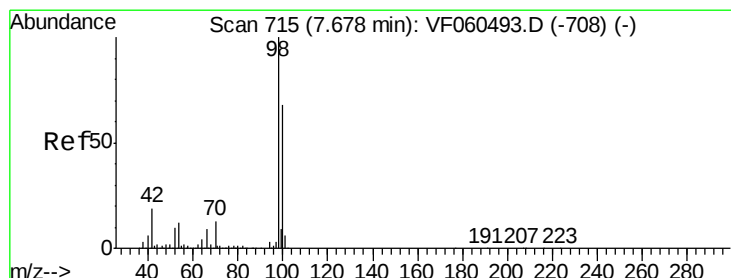
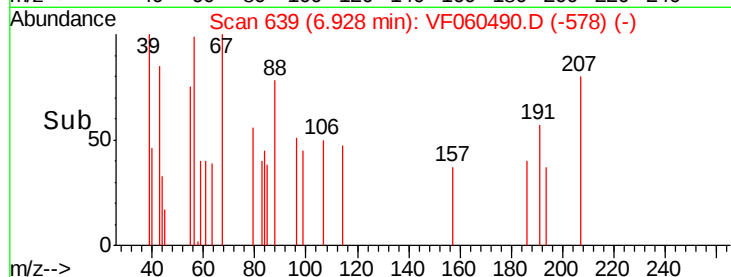
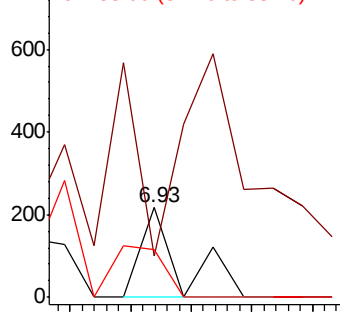
#49
1,4-Dioxane
Concen: 12.326 ug/l
RT: 6.93 min Scan# 639
Delta R.T. 0.10 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 88 Resp: 200
Ion Ratio Lower Upper
88 100
43 46.5 40.2 60.2
58 53.0 36.3 54.5

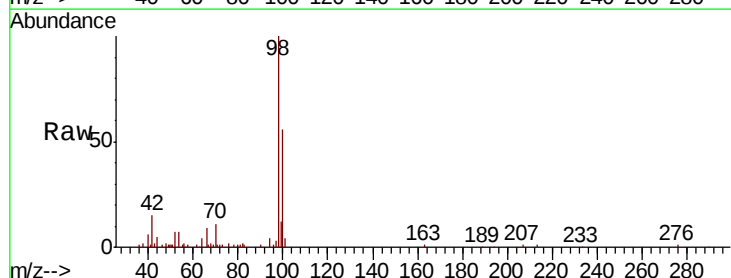


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

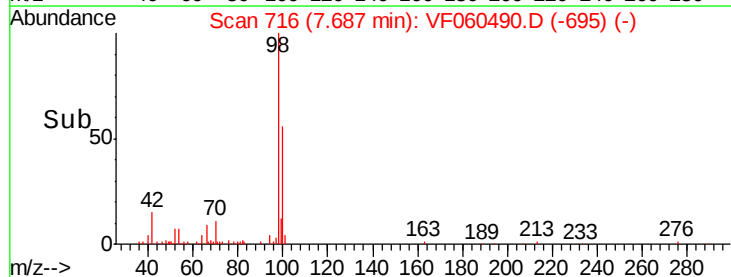
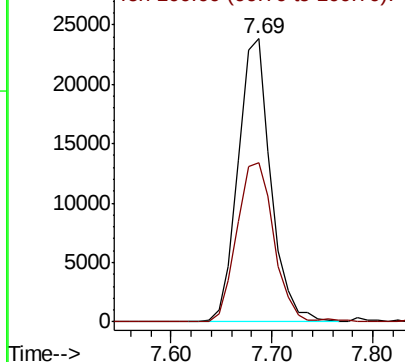


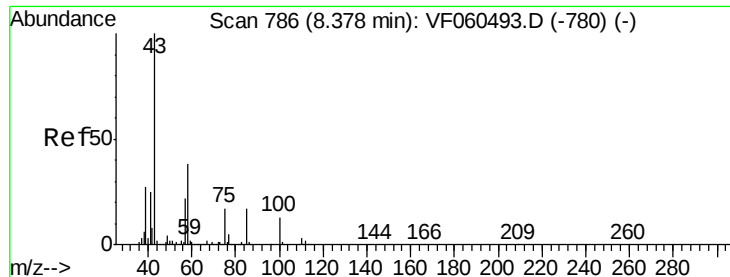
#50
Toluene-d8
Concen: 5.096 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Tgt Ion: 98 Resp: 53853
Ion Ratio Lower Upper
98 100
100 56.2 54.4 81.6



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: 24.659 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

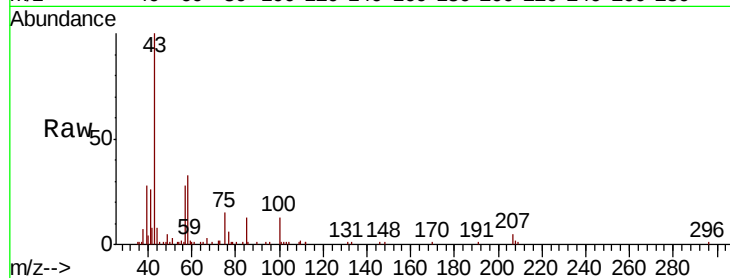
BFB

Tgt Ion: 43 Resp: 45955

Ion Ratio Lower Upper

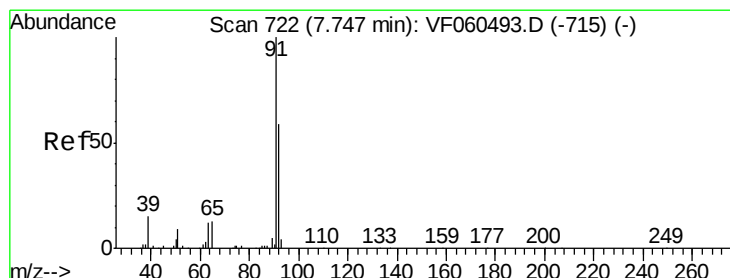
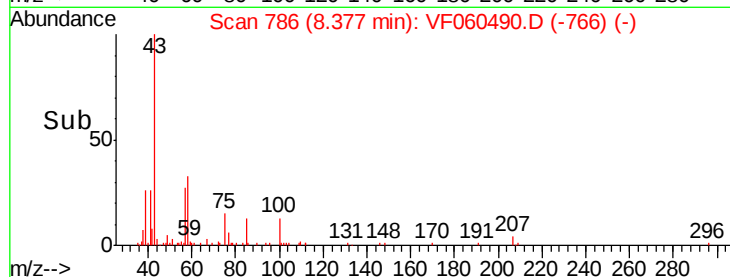
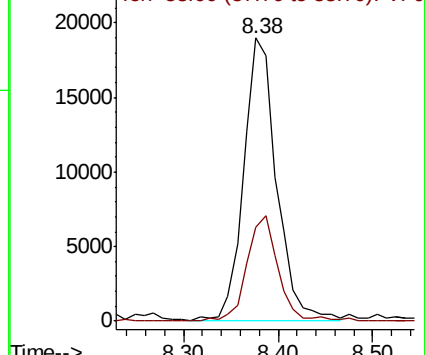
43 100

58 33.1 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 5.052 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060490.D

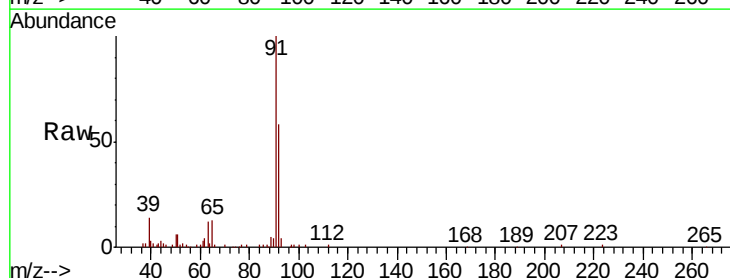
Acq: 9 Oct 2018 14:46

Tgt Ion: 92 Resp: 38659

Ion Ratio Lower Upper

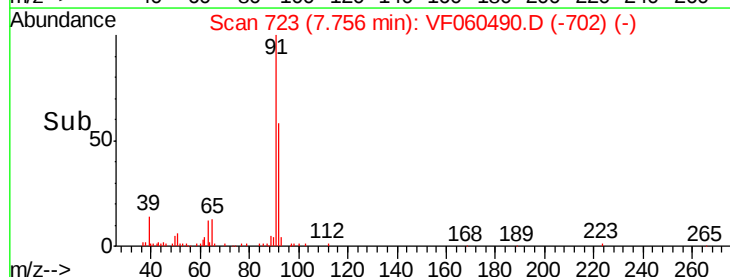
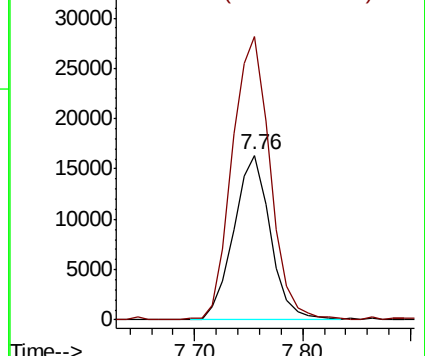
92 100

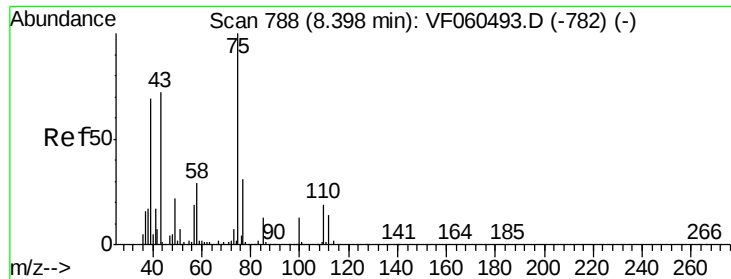
91 172.0 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 4.871 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampled :

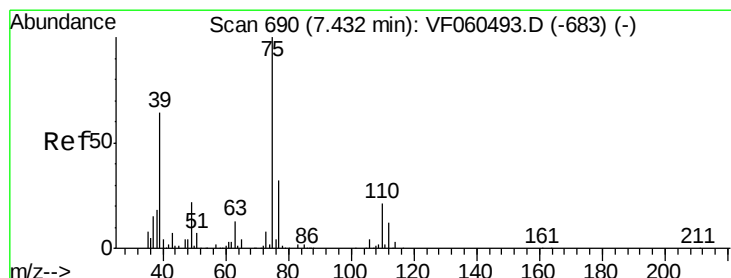
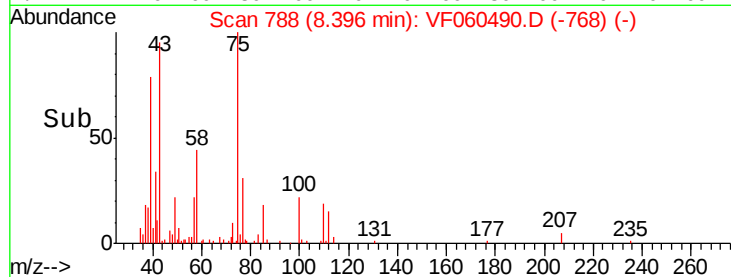
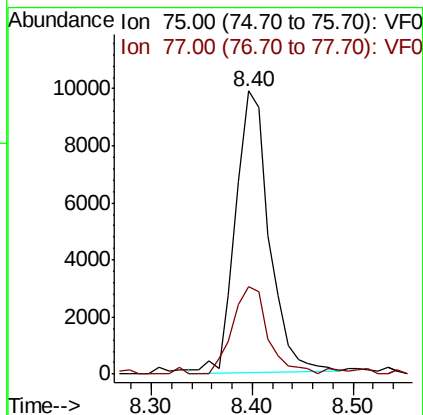
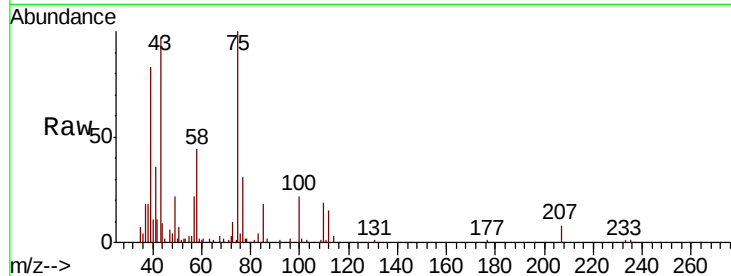
BFB

Tgt Ion: 75 Resp: 22880

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 4.612 ug/l

RT: 7.43 min Scan# 690

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

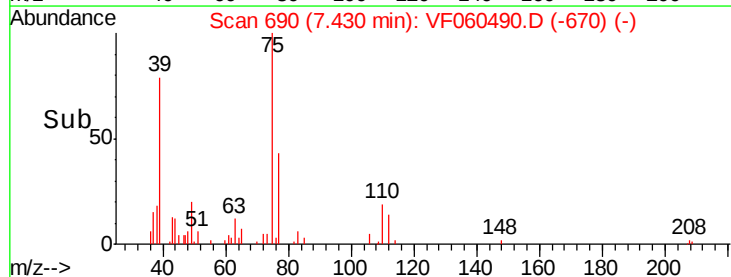
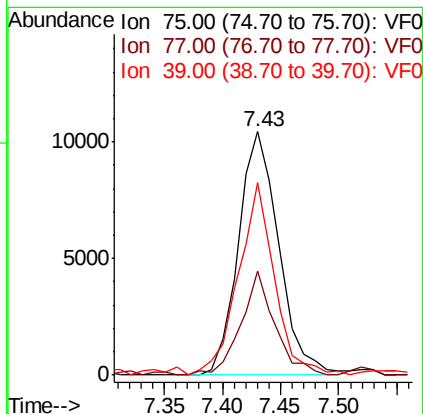
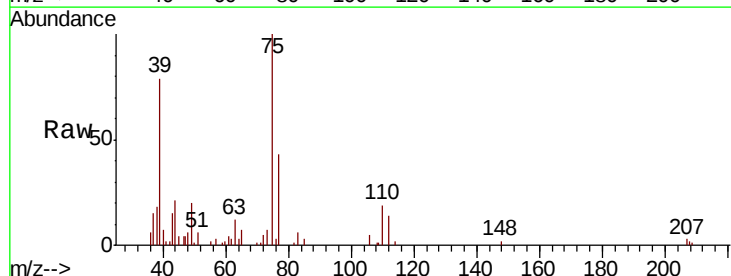
Tgt Ion: 75 Resp: 25080

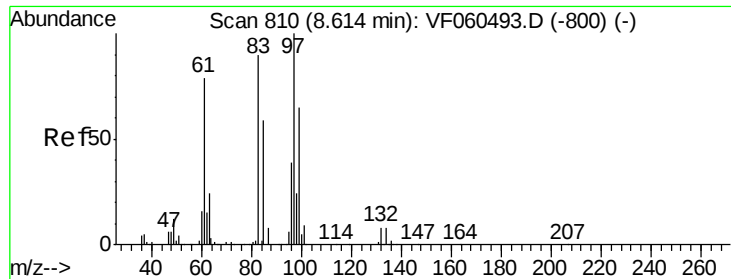
Ion Ratio Lower Upper

75 100

77 42.5 26.0 39.0#

39 79.3 51.2 76.8#





#55

1,1,2-Trichloroethane

Concen: 4.402 ug/l

RT: 8.61 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 10669

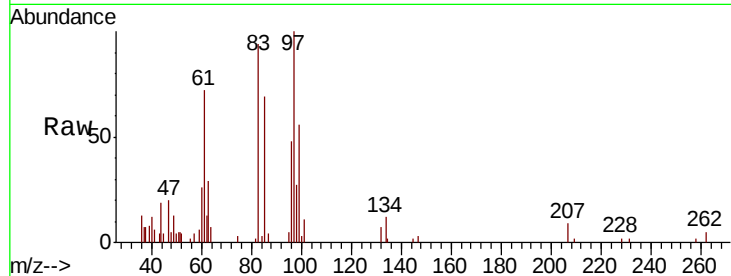
Ion Ratio Lower Upper

97 100

83 94.5 71.9 107.9

85 69.0 47.8 71.8

99 56.1 52.0 78.0

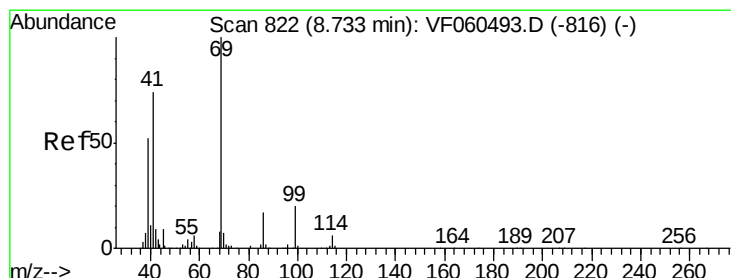
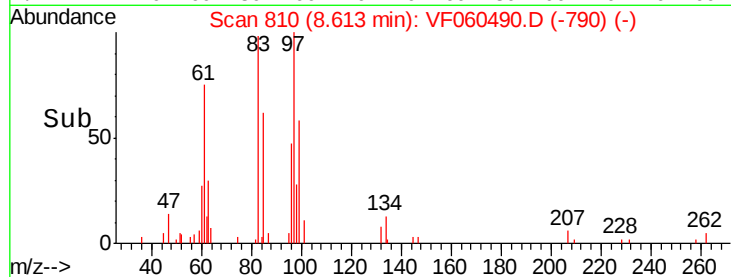
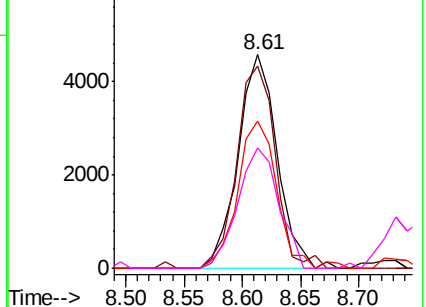


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 4.930 ug/l

RT: 8.74 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

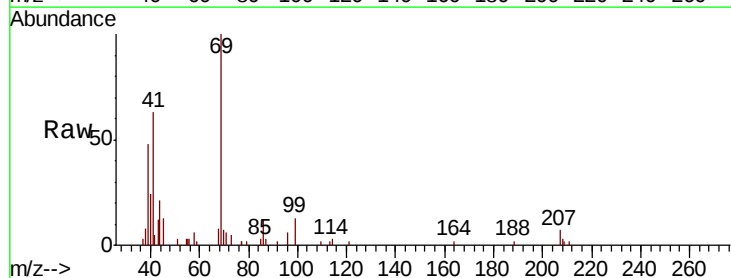
Tgt Ion: 69 Resp: 13527

Ion Ratio Lower Upper

69 100

41 62.7 59.3 88.9

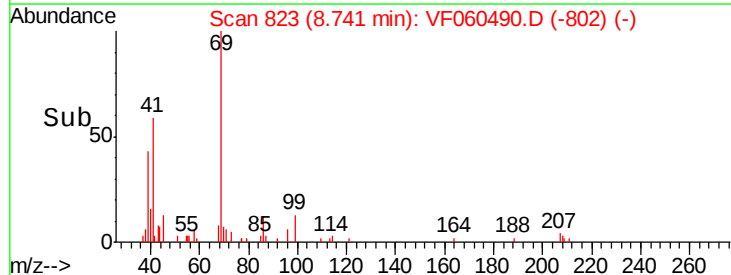
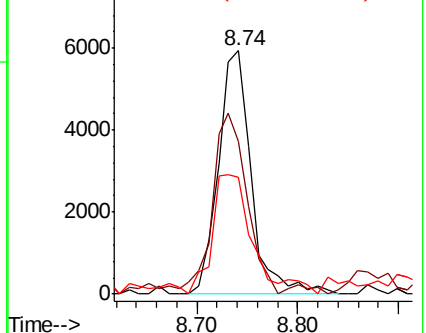
39 48.1 41.8 62.6

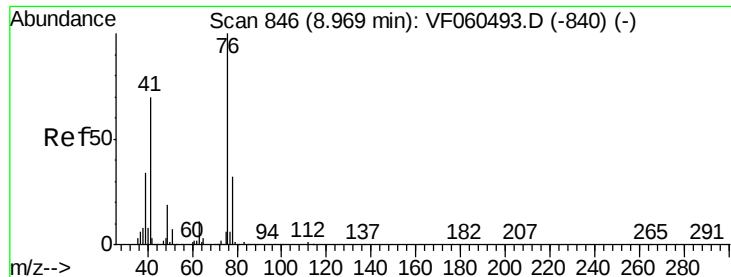


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 4.769 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

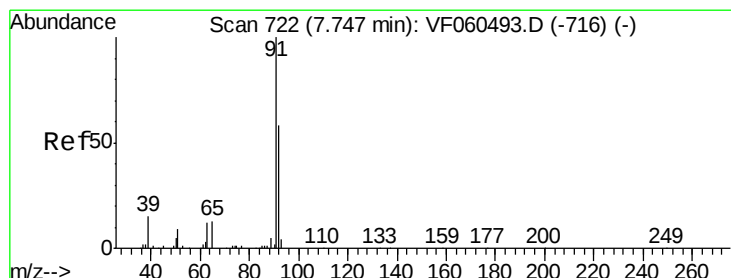
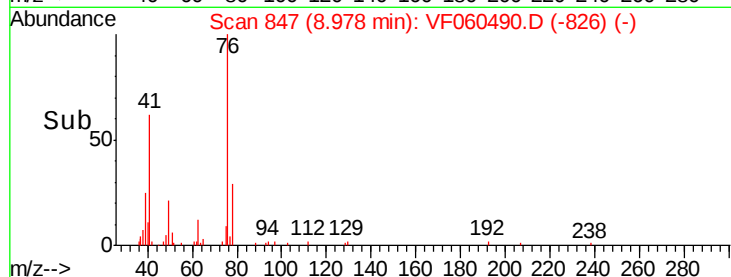
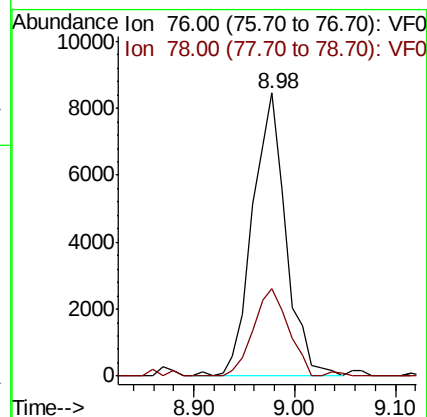
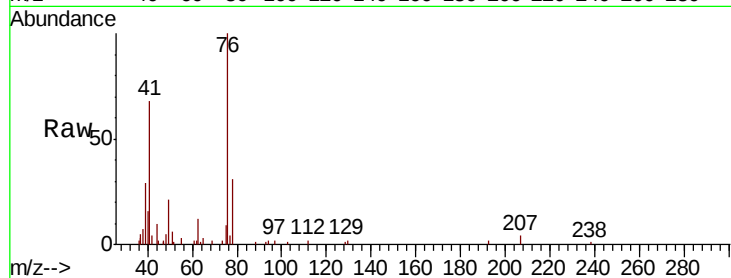
BFB

Tgt Ion: 76 Resp: 19501

Ion Ratio Lower Upper

76 100

78 30.8 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 25.788 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060490.D

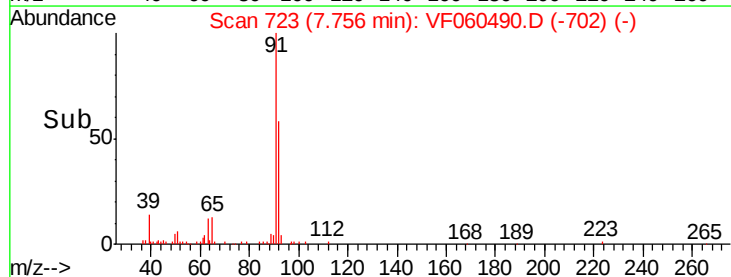
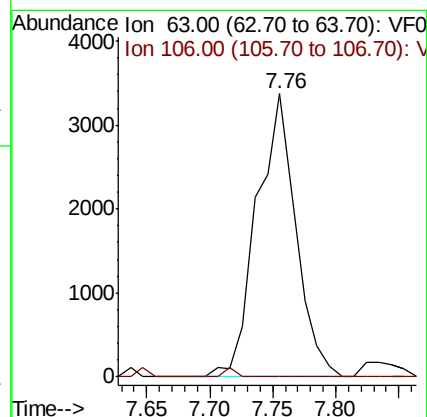
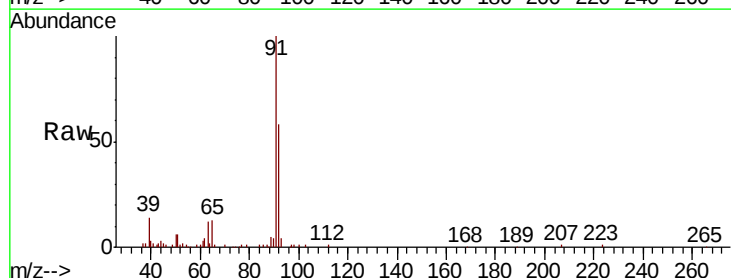
Acq: 9 Oct 2018 14:46

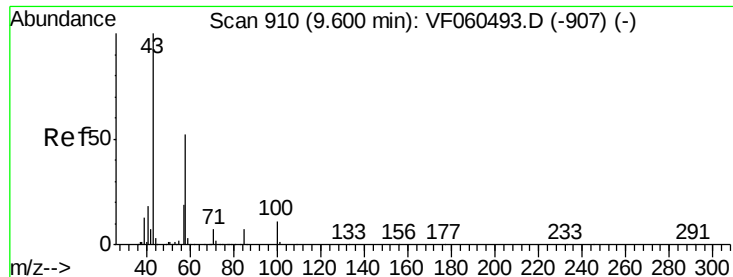
Tgt Ion: 63 Resp: 7277

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

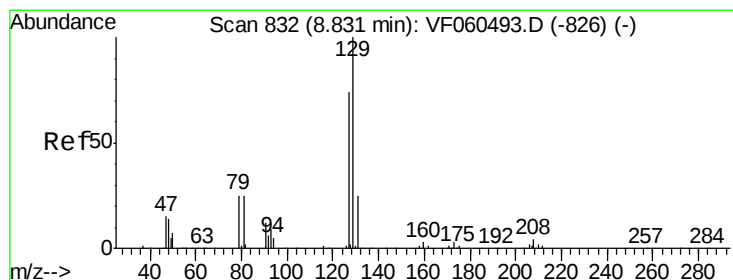
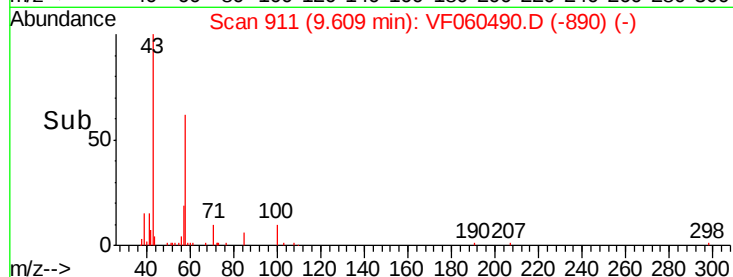
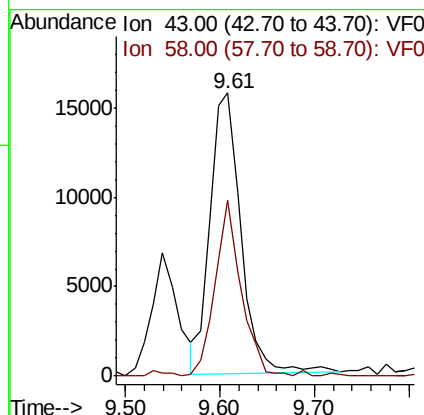
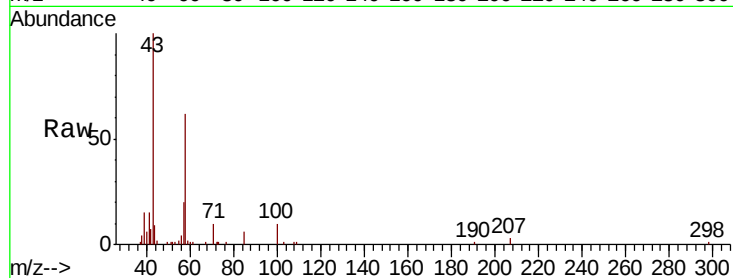




#59
2-Hexanone
Concen: 26.239 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.01 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

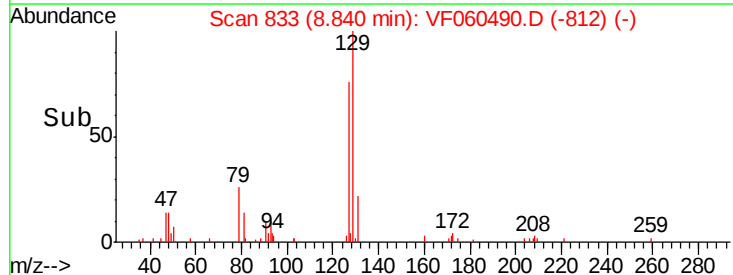
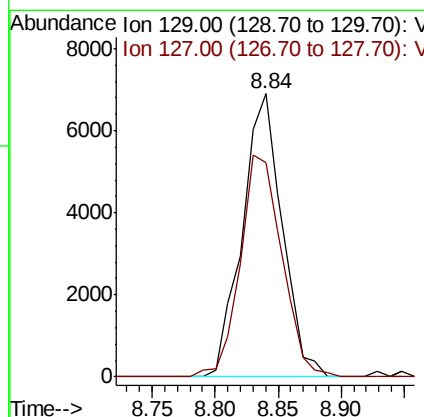
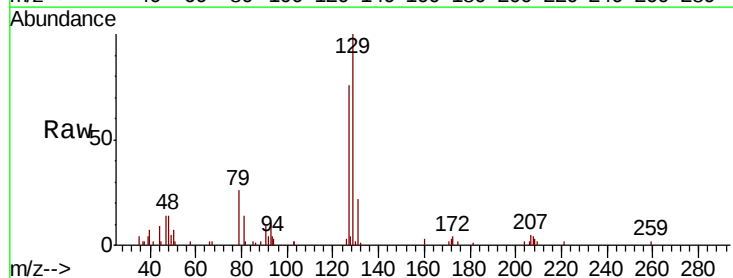
Instrument :
MSVOA_F
ClientSampleId :
BFB

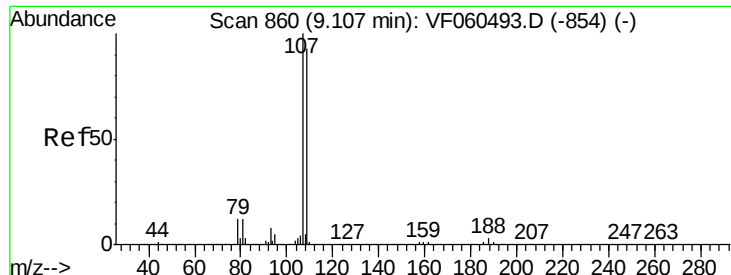
Tgt Ion: 43 Resp: 35787
Ion Ratio Lower Upper
43 100
58 62.1 24.2 72.6



#60
Dibromochloromethane
Concen: 4.161 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.01 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Tgt Ion: 129 Resp: 15137
Ion Ratio Lower Upper
129 100
127 79.4 37.0 110.9





#61

1,2-Dibromoethane

Concen: 4.579 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

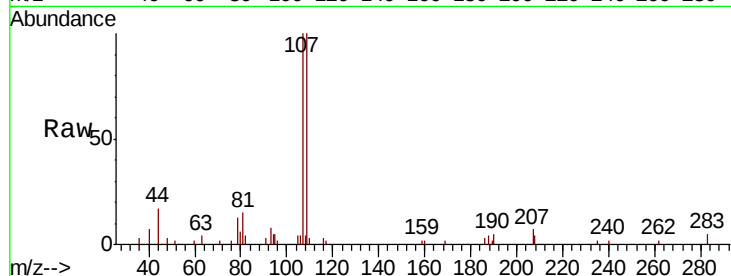
BFB

Tgt Ion: 107 Resp: 12142

Ion Ratio Lower Upper

107 100

109 99.9 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

6000

5000

4000

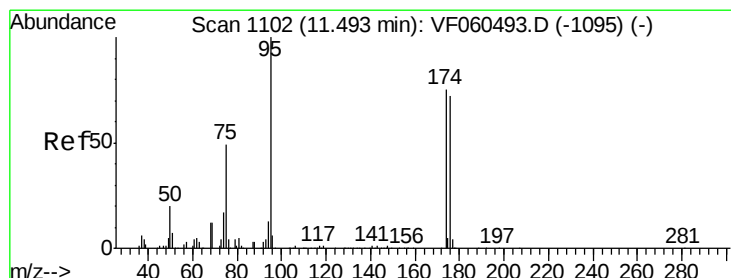
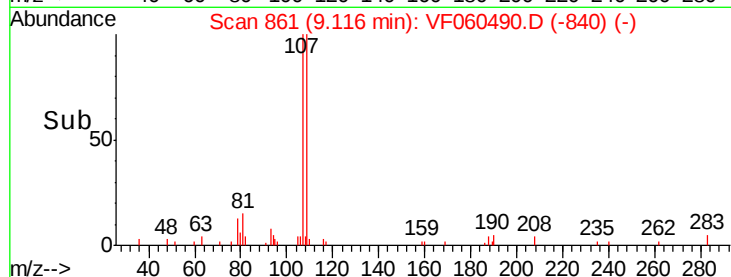
3000

2000

1000

0

Time--> 9.10 9.12 9.20



#62

4-Bromofluorobenzene

Concen: 4.936 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

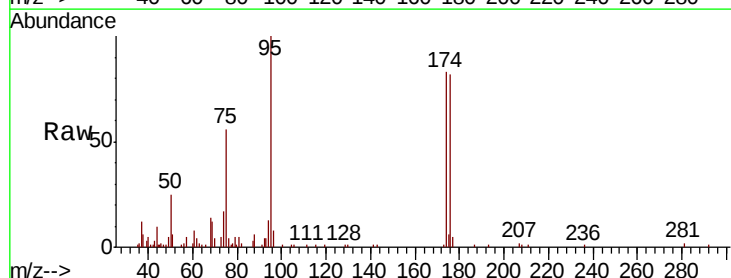
Tgt Ion: 95 Resp: 23879

Ion Ratio Lower Upper

95 100

174 83.3 0.0 150.4

176 81.9 0.0 144.6



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

20000

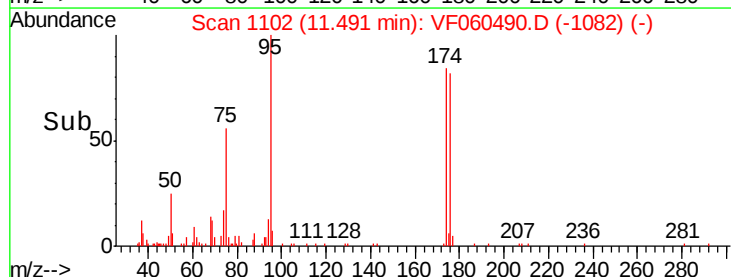
15000

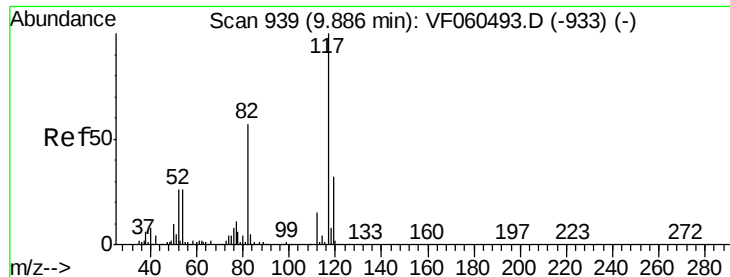
10000

5000

0

Time--> 11.40 11.45 11.50 11.55

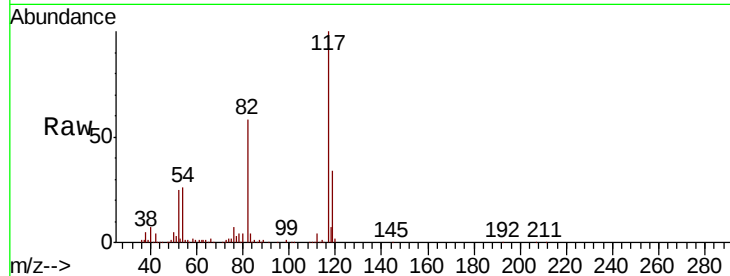




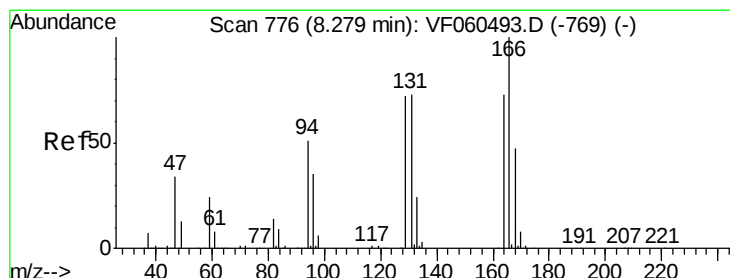
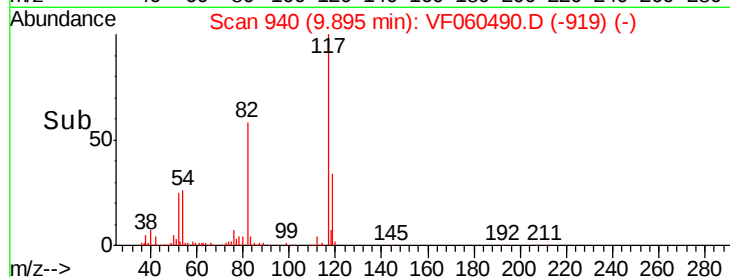
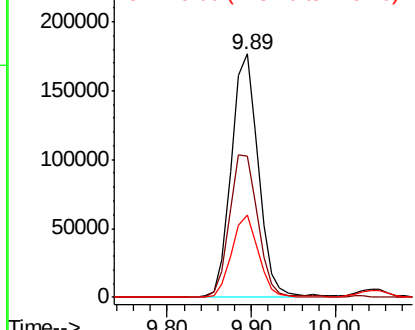
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion:117 Resp: 398195
Ion Ratio Lower Upper
117 100
82 58.2 45.6 68.4
119 33.9 25.3 37.9



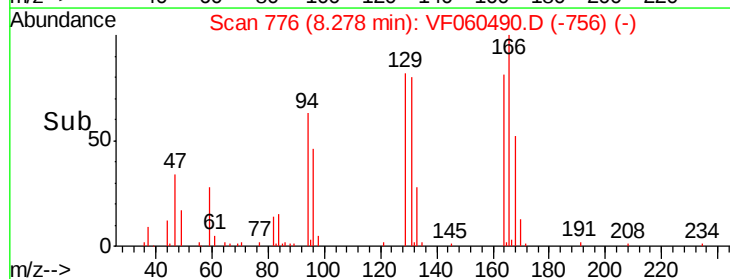
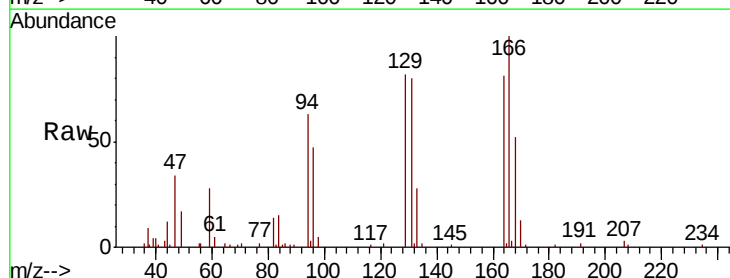
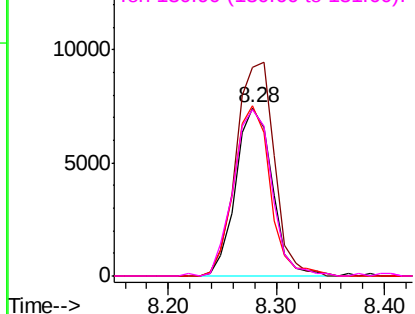
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

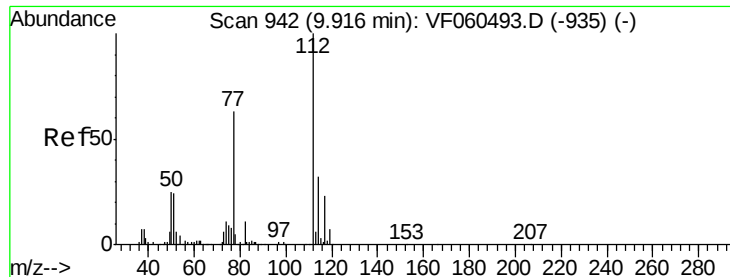


#64
Tetrachloroethene
Concen: 5.483 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Tgt Ion:164 Resp: 17530
Ion Ratio Lower Upper
164 100
166 124.0 109.4 164.0
129 101.2 78.9 118.3
131 99.0 79.5 119.3

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





#65

Chlorobenzene

Concen: 5.088 ug/l

RT: 9.91 min Scan# 942

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

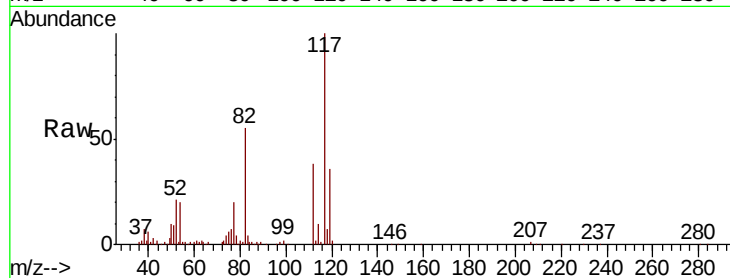
BFB

Tgt Ion:112 Resp: 41511

Ion Ratio Lower Upper

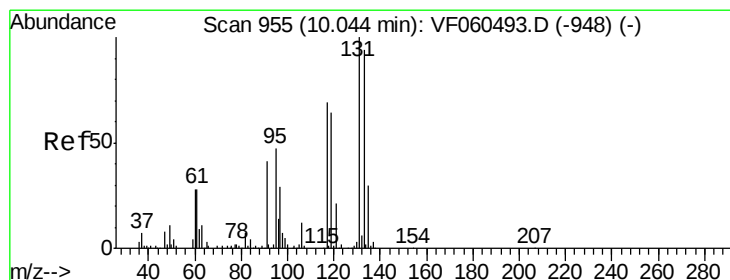
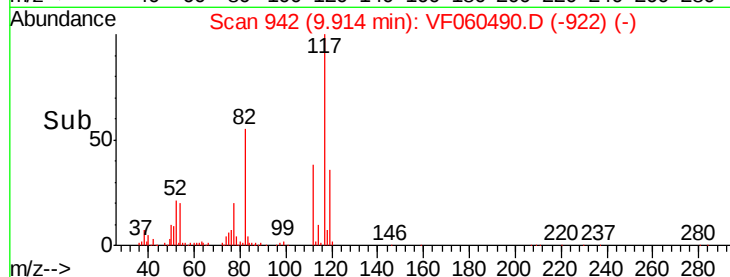
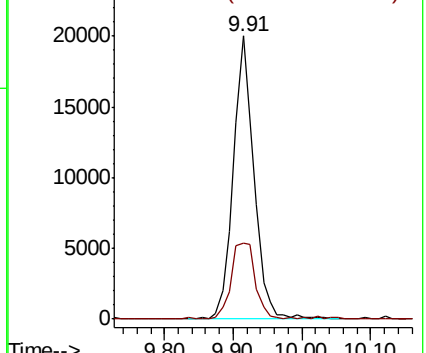
112 100

114 26.8 25.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.374 ug/l

RT: 10.04 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

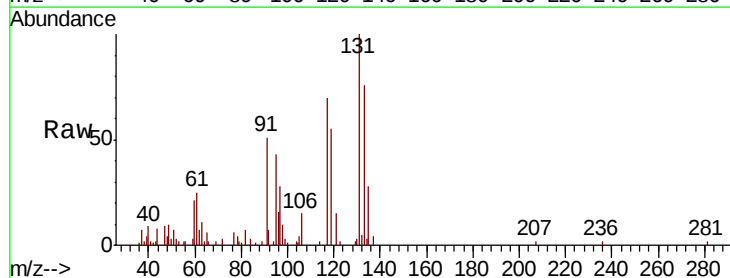
Tgt Ion:131 Resp: 19194

Ion Ratio Lower Upper

131 100

133 75.7 47.1 141.4

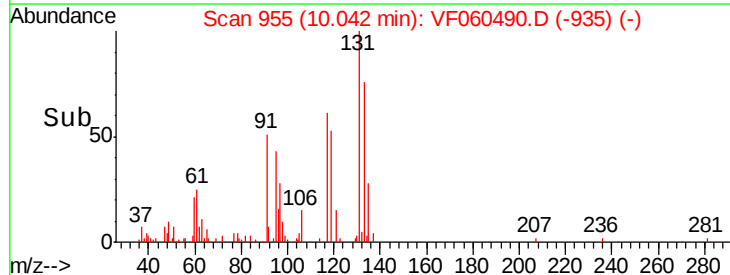
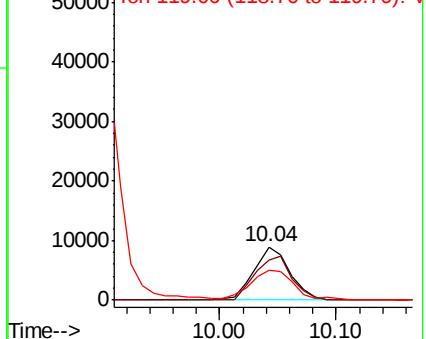
119 54.8 32.0 96.2

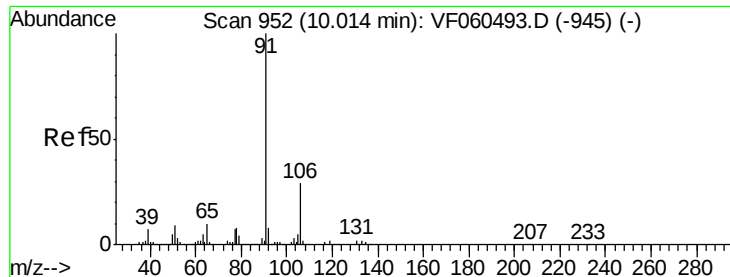


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 4.927 ug/l

RT: 10.01 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

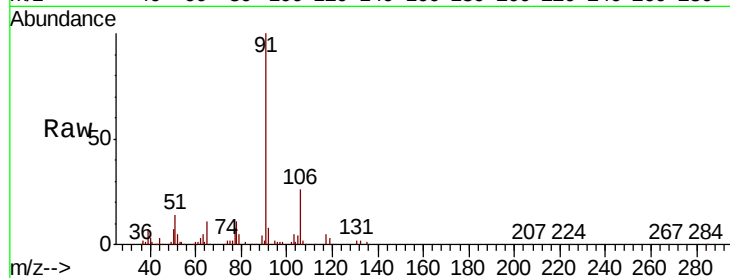
BFB

Tgt Ion: 91 Resp: 76621

Ion Ratio Lower Upper

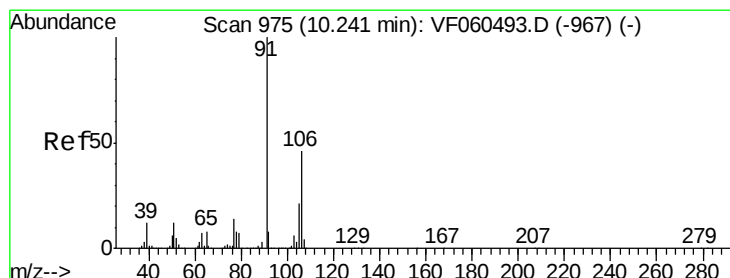
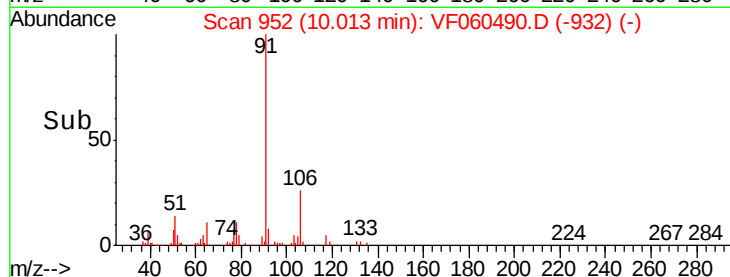
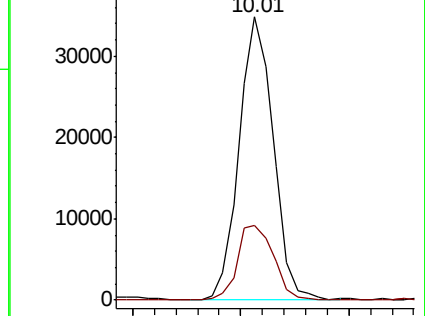
91 100

106 26.2 23.3 34.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 11.018 ug/l

RT: 10.24 min Scan# 975

Delta R.T. -0.00 min

Lab File: VF060490.D

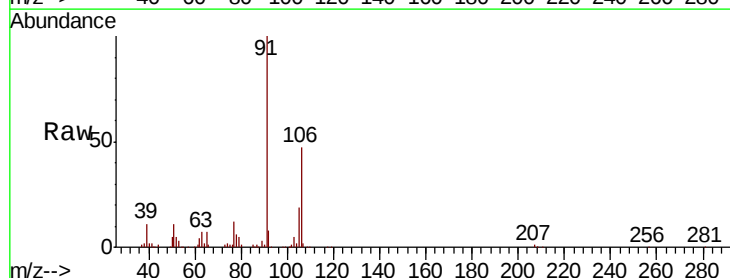
Acq: 9 Oct 2018 14:46

Tgt Ion: 106 Resp: 58609

Ion Ratio Lower Upper

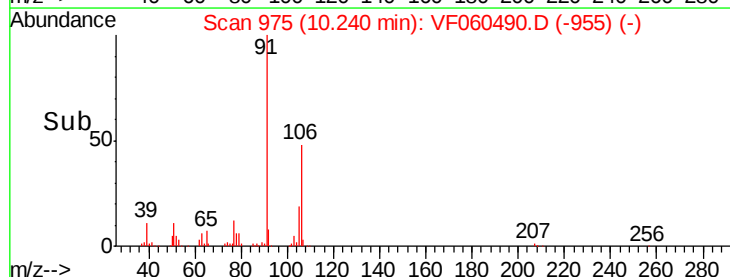
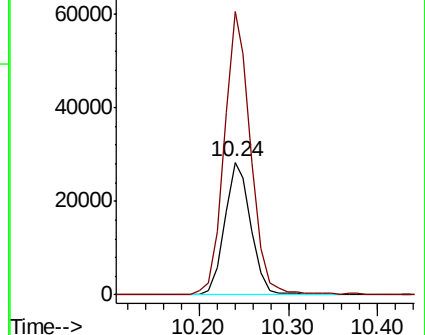
106 100

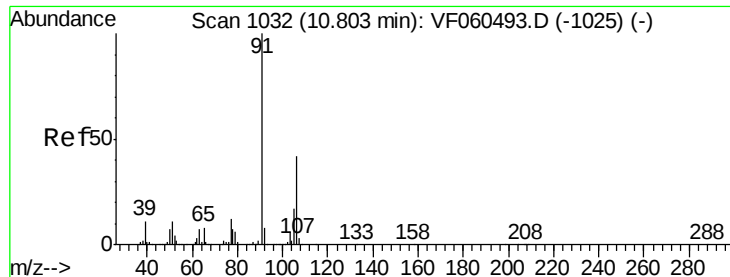
91 213.5 174.6 262.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

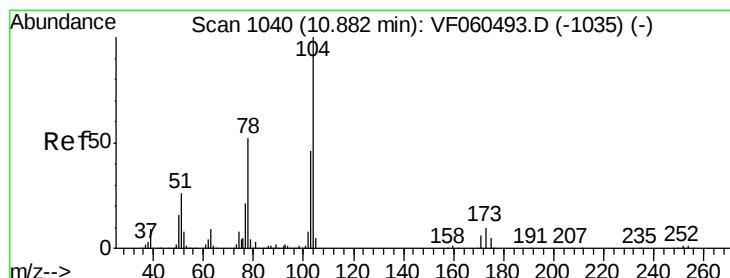
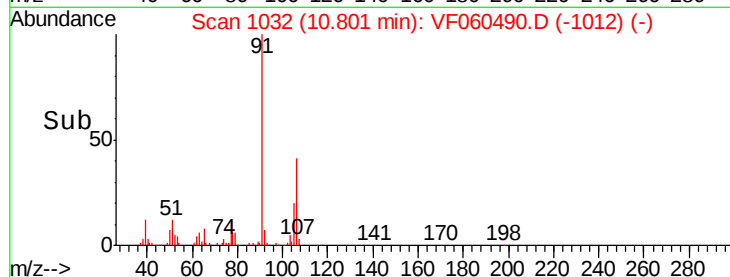
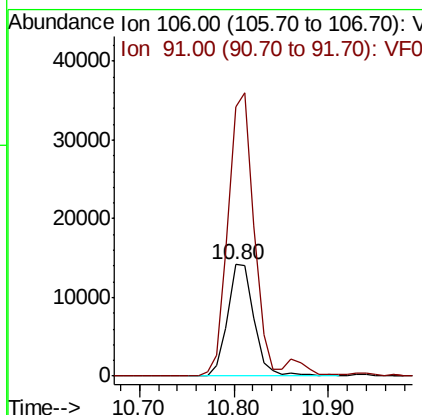
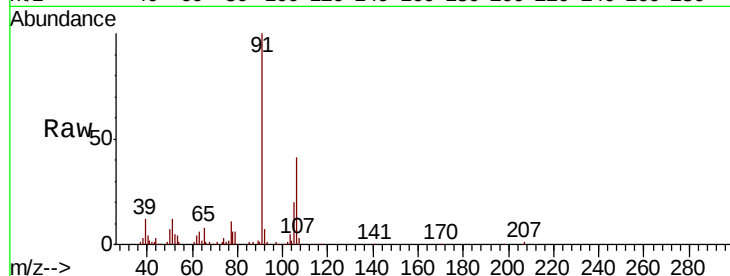




#69
o-Xylene
Concen: 4.773 ug/l
RT: 10.80 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

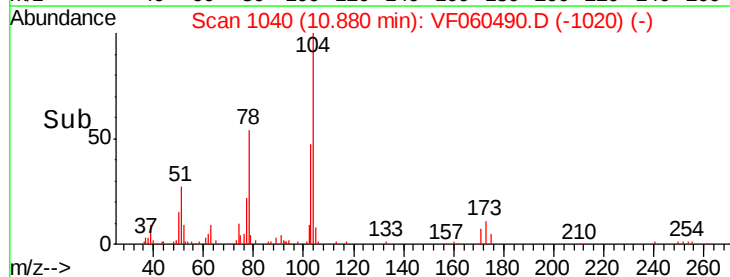
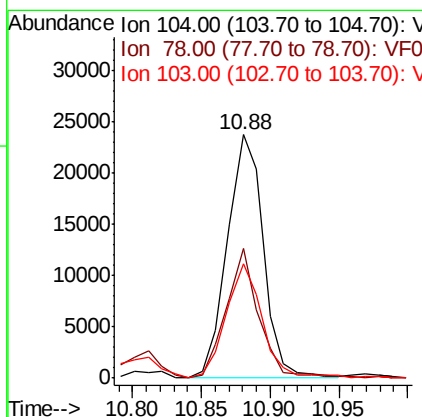
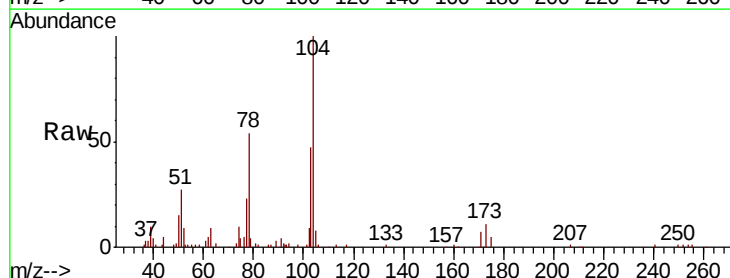
Instrument :
MSVOA_F
ClientSampleId :
BFB

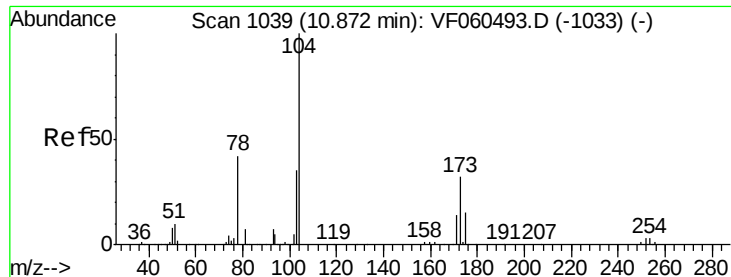
Tgt Ion:106 Resp: 27702
Ion Ratio Lower Upper
106 100
91 242.0 118.8 356.3



#70
Styrene
Concen: 5.258 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Tgt Ion:104 Resp: 43319
Ion Ratio Lower Upper
104 100
78 53.5 42.7 64.1
103 47.1 37.6 56.4

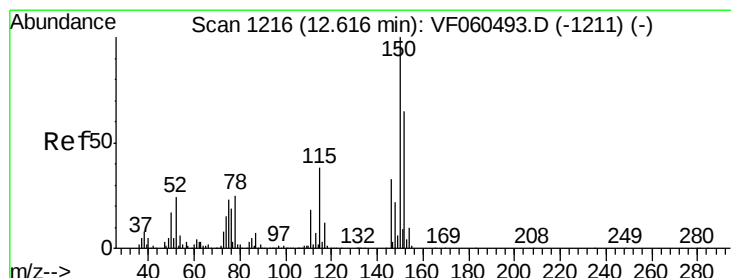
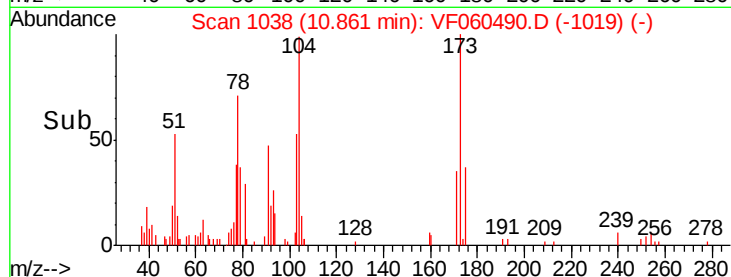
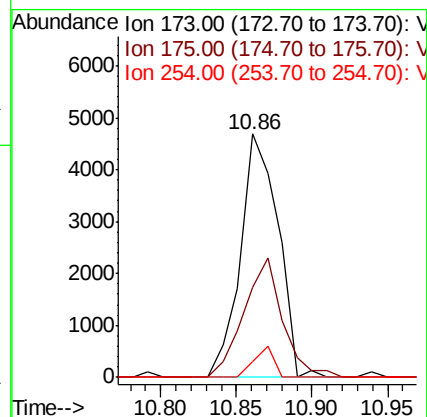
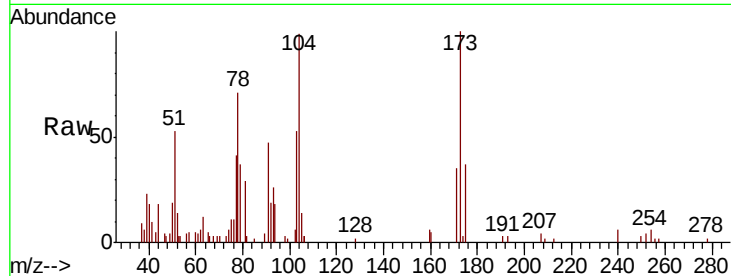




#71
Bromoform
Concen: 4.263 ug/l
RT: 10.86 min Scan# 1038
Delta R.T. -0.01 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

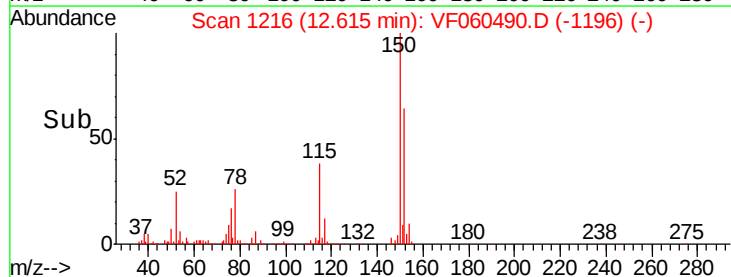
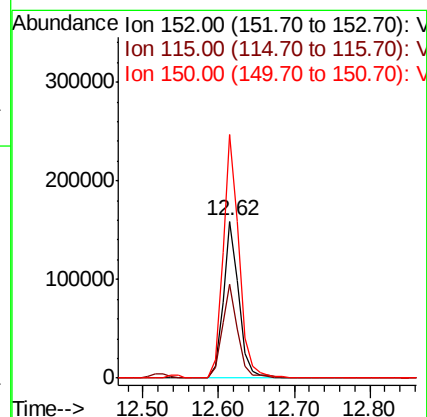
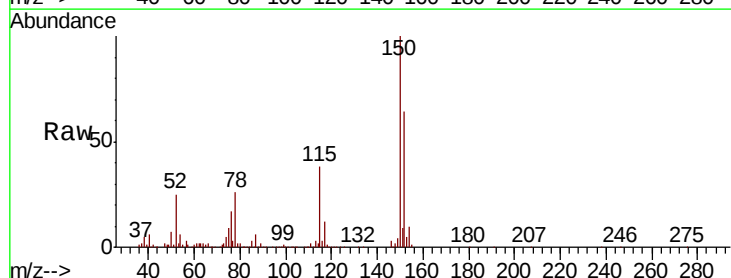
Instrument :
MSVOA_F
ClientSampleId :
BFB

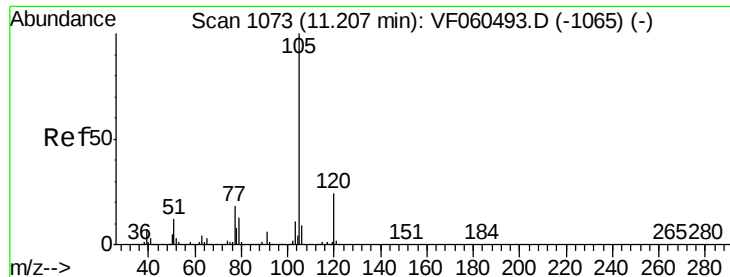
Tgt Ion:173 Resp: 8080
Ion Ratio Lower Upper
173 100
175 37.1 23.2 69.6
254 6.2 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Tgt Ion:152 Resp: 231159
Ion Ratio Lower Upper
152 100
115 59.7 29.5 88.5
150 155.1 0.0 310.0





#73

Isopropylbenzene

Concen: 5.083 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

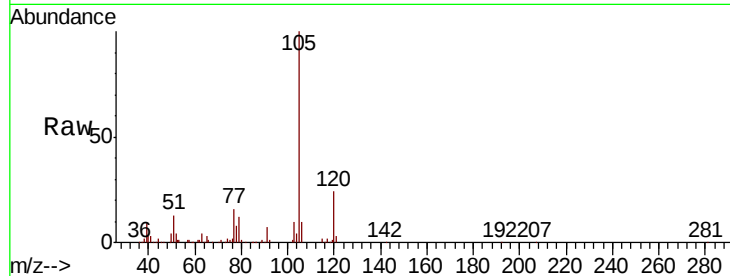
BFB

Tgt Ion:105 Resp: 93234

Ion Ratio Lower Upper

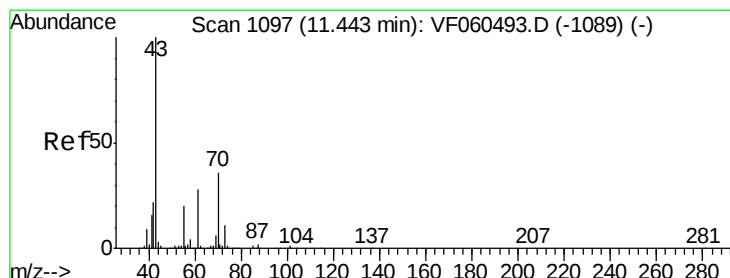
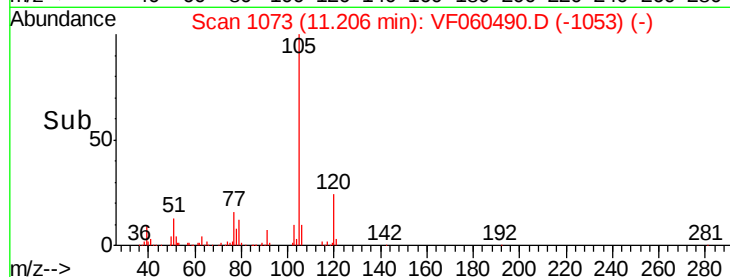
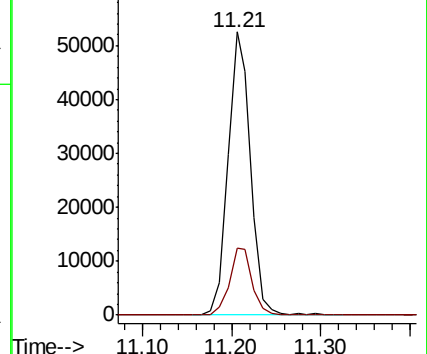
105 100

120 23.8 11.9 35.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.058 ug/l

RT: 11.44 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Tgt Ion: 43 Resp: 21057

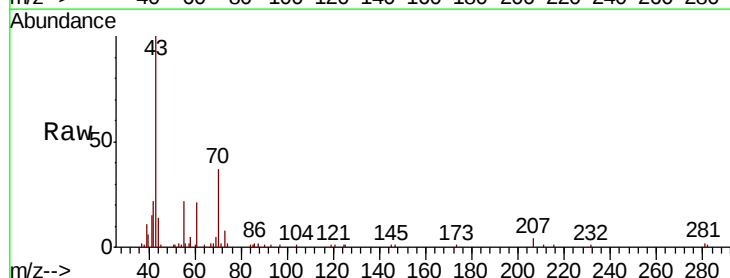
Ion Ratio Lower Upper

43 100

70 37.2 28.7 43.1

55 21.6 16.1 24.1

61 20.9 22.7 34.1#

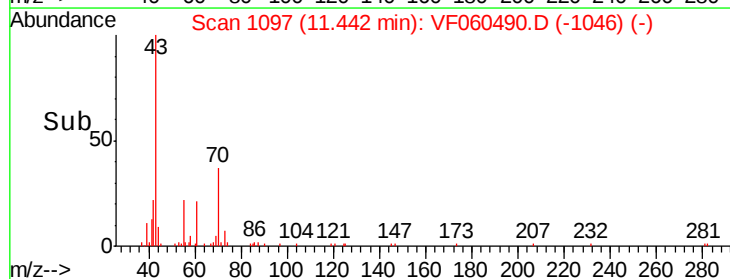
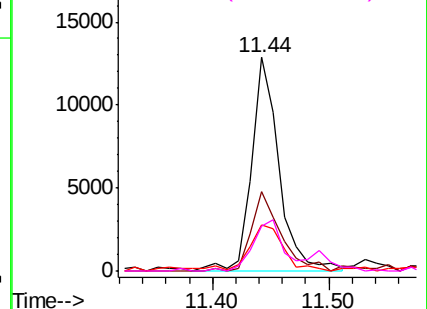


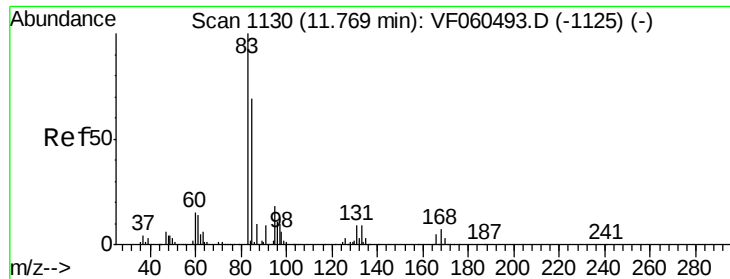
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 4.454 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

BFB

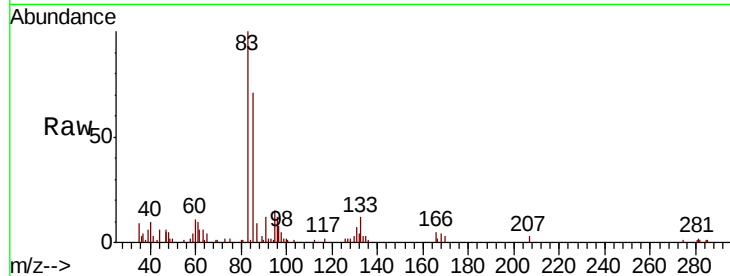
Tgt Ion: 83 Resp: 14637

Ion Ratio Lower Upper

83 100

131 7.3 4.5 13.4

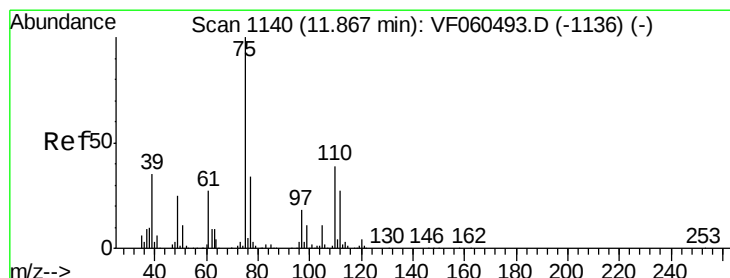
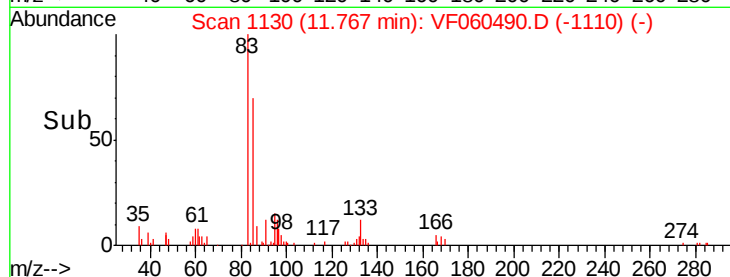
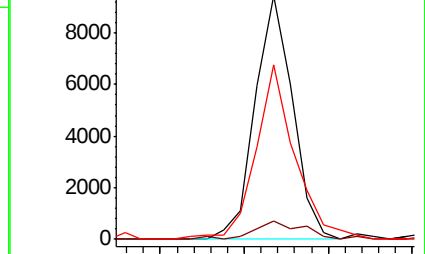
85 71.4 34.8 104.4



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: 4.742 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF060490.D

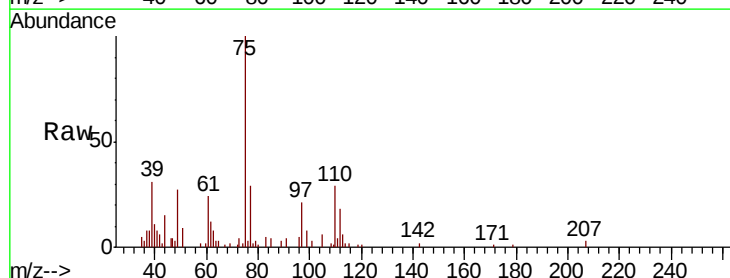
Acq: 9 Oct 2018 14:46

Tgt Ion: 75 Resp: 11581

Ion Ratio Lower Upper

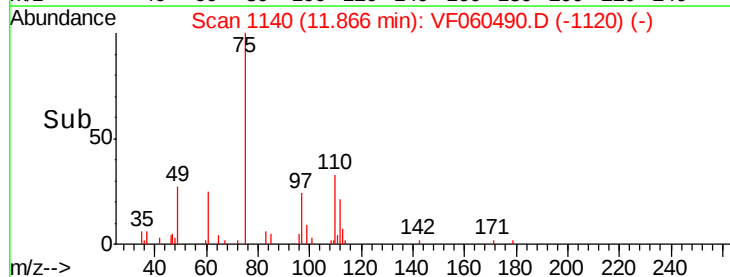
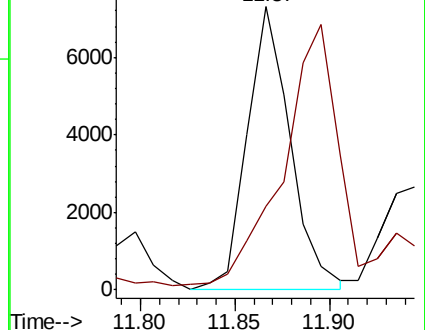
75 100

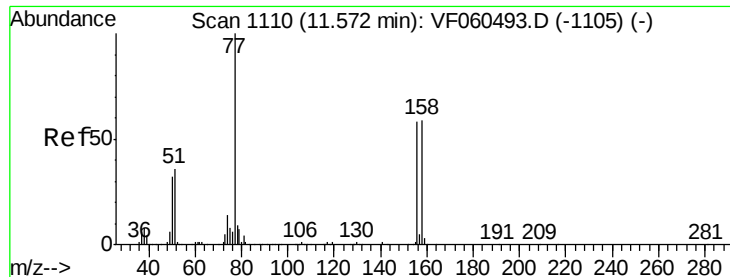
77 29.4 17.4 52.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 5.062 ug/l

RT: 11.57 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

BFB

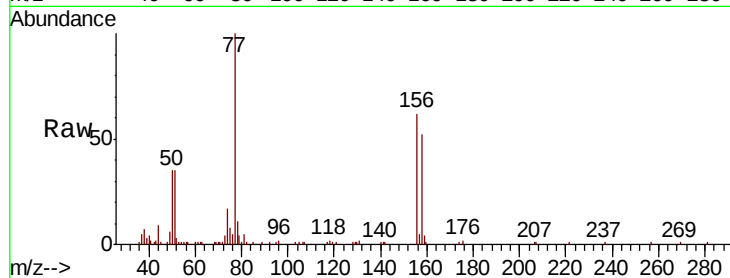
Tgt Ion:156 Resp: 20719

Ion Ratio Lower Upper

156 100

77 162.5 86.3 258.8

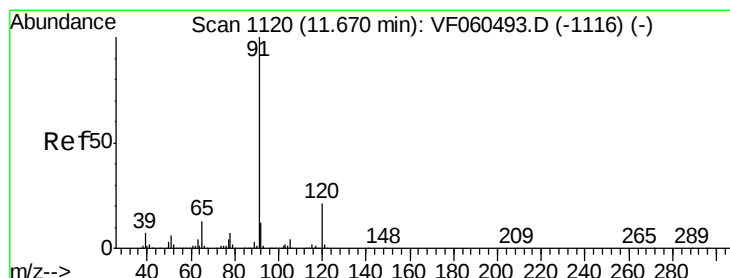
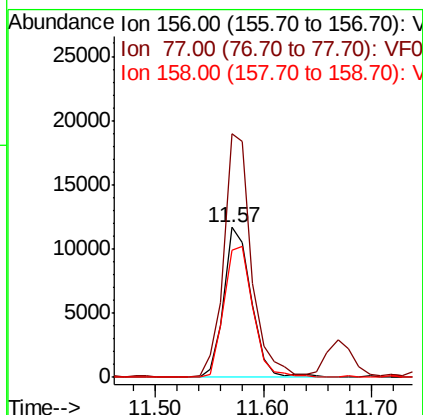
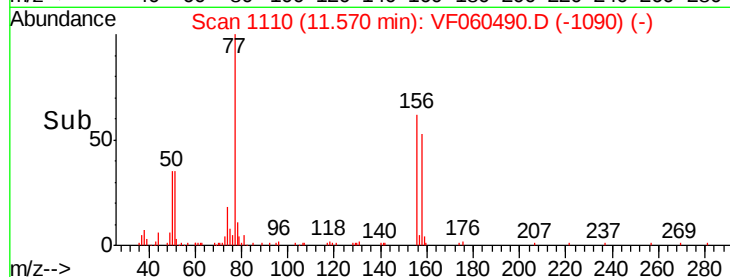
158 84.5 51.1 153.3



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: 5.464 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF060490.D

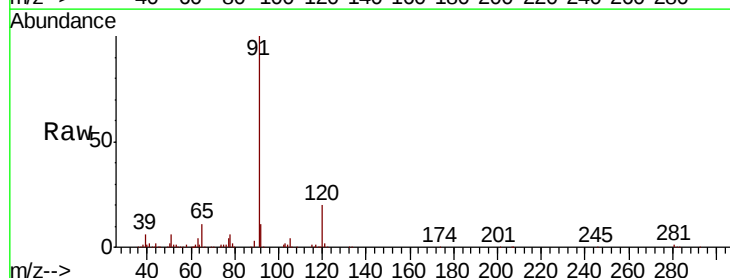
Acq: 9 Oct 2018 14:46

Tgt Ion: 91 Resp: 120336

Ion Ratio Lower Upper

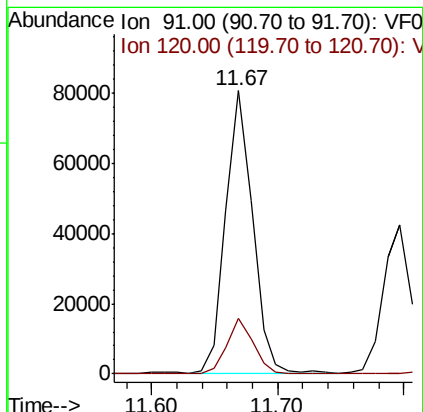
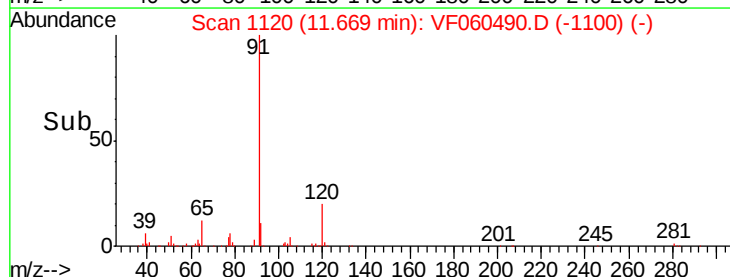
91 100

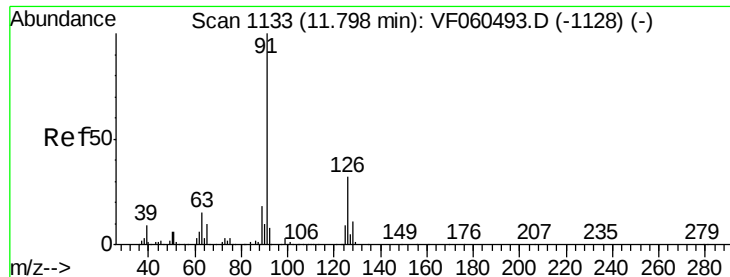
120 19.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.066 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

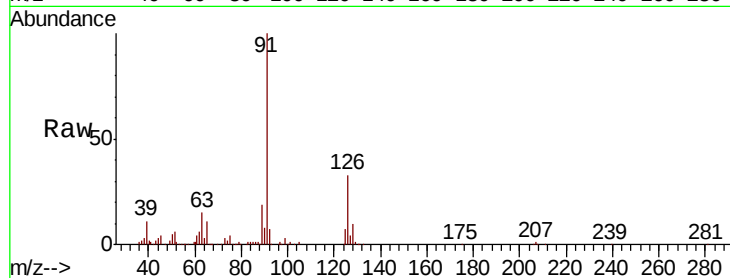
BFB

Tgt Ion: 91 Resp: 65425

Ion Ratio Lower Upper

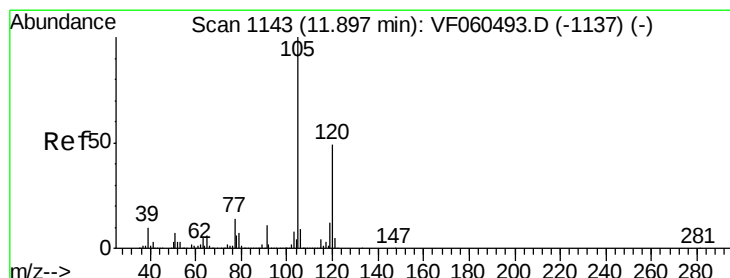
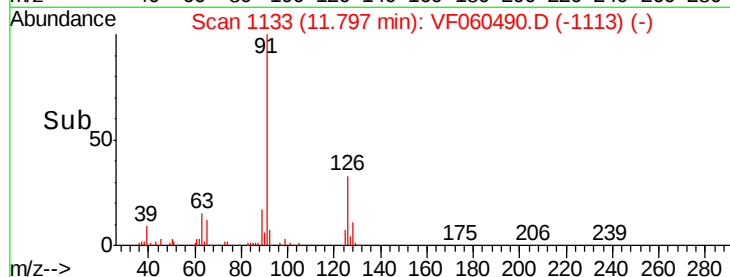
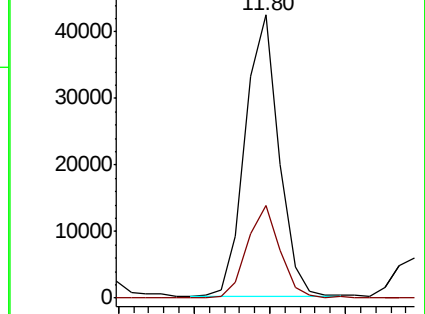
91 100

126 32.6 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: 4.962 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF060490.D

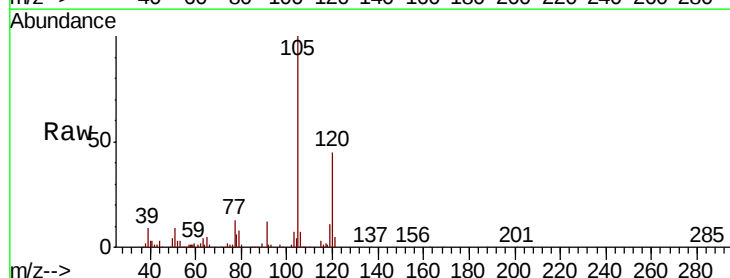
Acq: 9 Oct 2018 14:46

Tgt Ion: 105 Resp: 76804

Ion Ratio Lower Upper

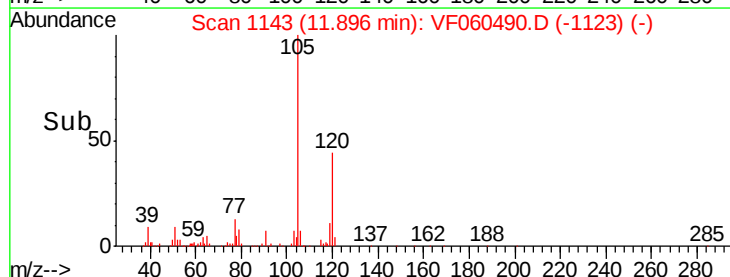
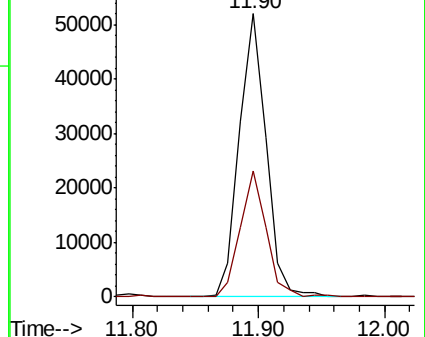
105 100

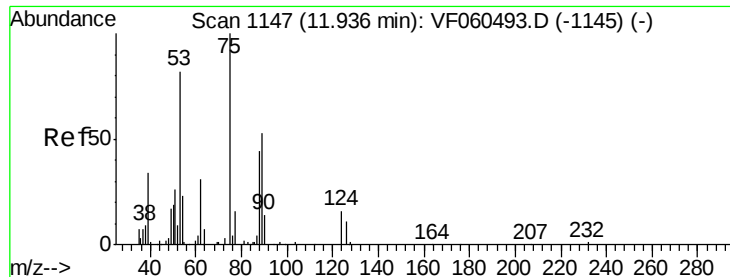
120 44.6 24.4 73.2



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: 6.539 ug/l

RT: 11.94 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VF060490.D

Acq: 9 Oct 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

BFB

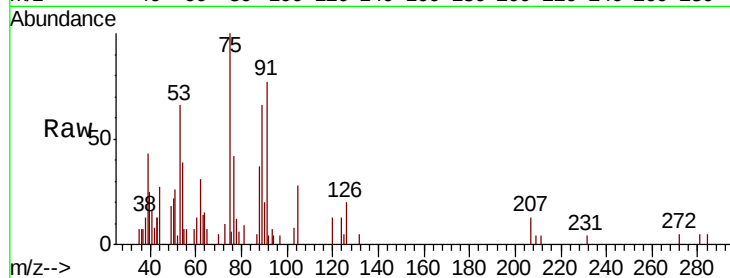
Tgt Ion: 75 Resp: 6983

Ion Ratio Lower Upper

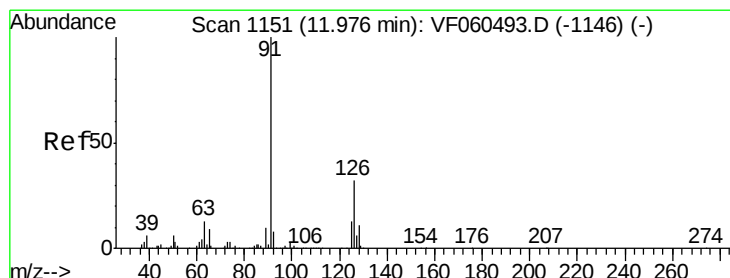
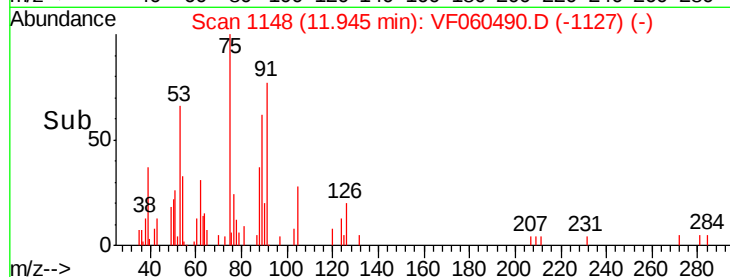
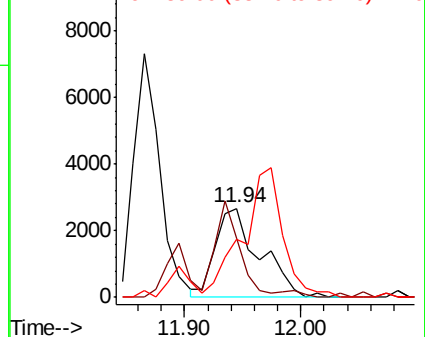
75 100

53 66.2 71.0 106.6#

89 66.0 43.1 64.7#



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 5.068 ug/l

RT: 11.97 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF060490.D

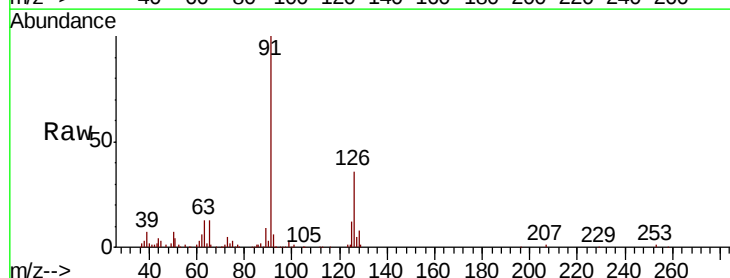
Acq: 9 Oct 2018 14:46

Tgt Ion: 91 Resp: 67430

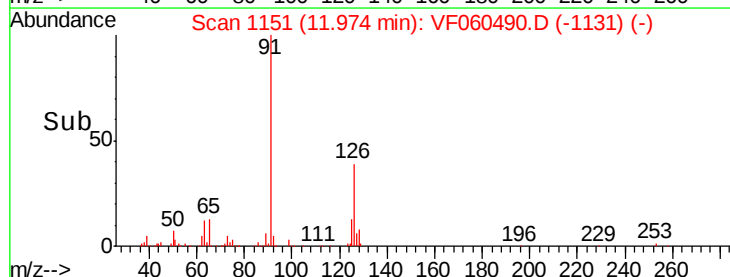
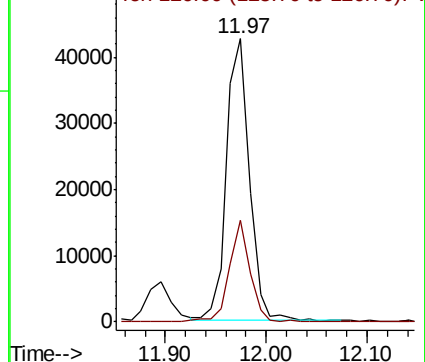
Ion Ratio Lower Upper

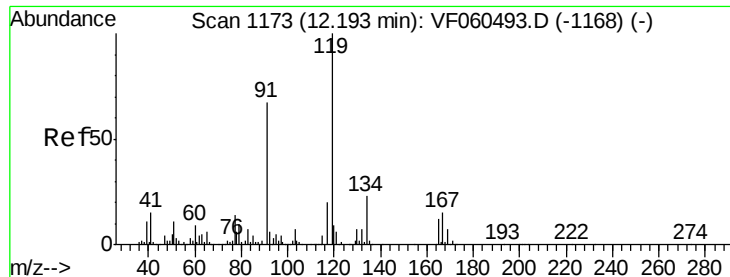
91 100

126 36.0 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

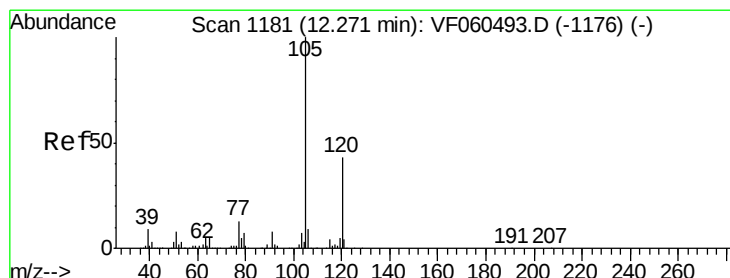
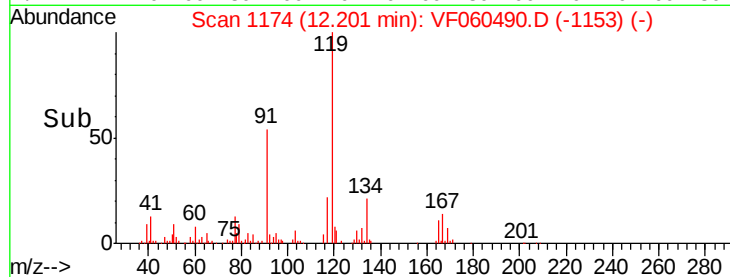
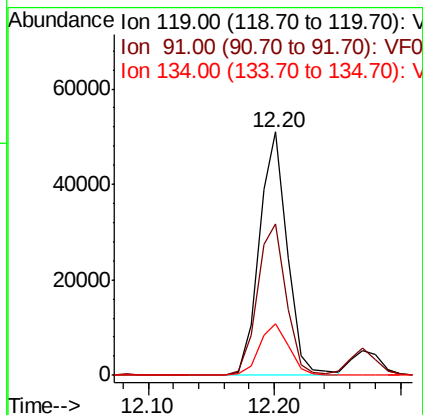
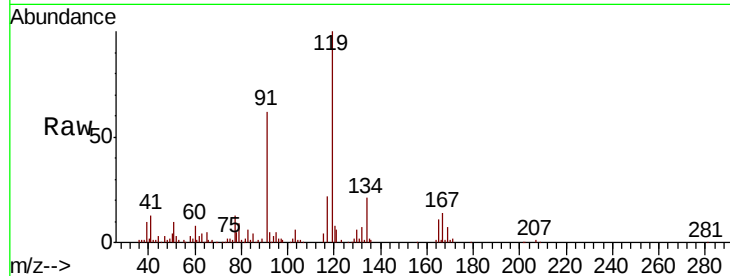




#83
 tert-Butylbenzene
 Concen: 5.139 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

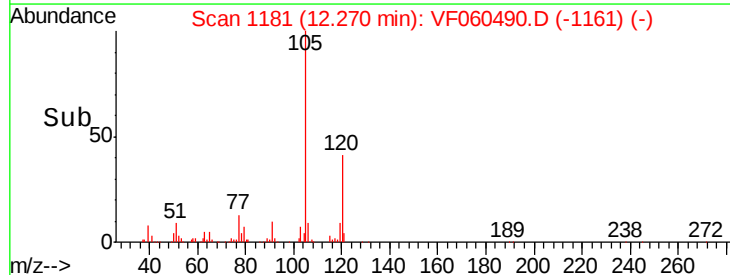
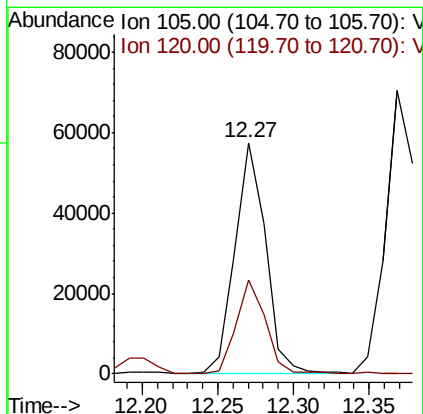
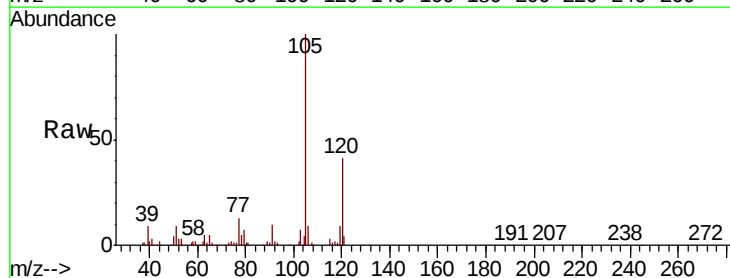
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

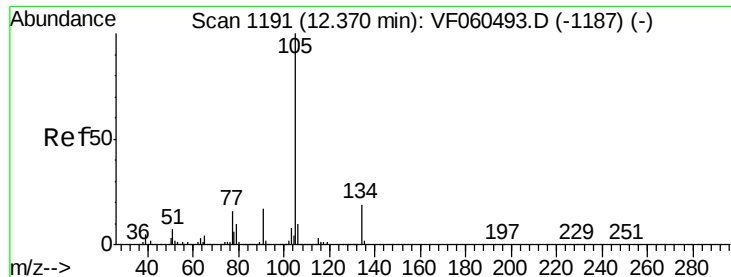
Tgt Ion:119 Resp: 78477
 Ion Ratio Lower Upper
 119 100
 91 62.1 33.6 100.8
 134 21.3 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 5.275 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

Tgt Ion:105 Resp: 81341
 Ion Ratio Lower Upper
 105 100
 120 40.8 21.7 65.1

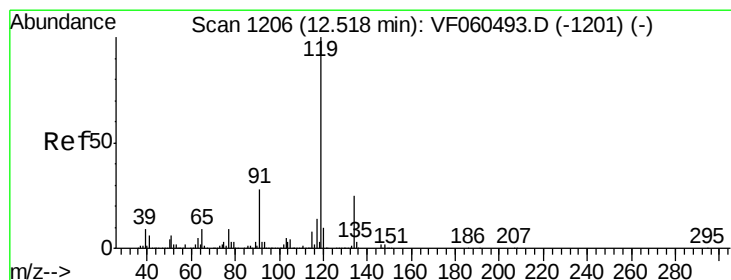
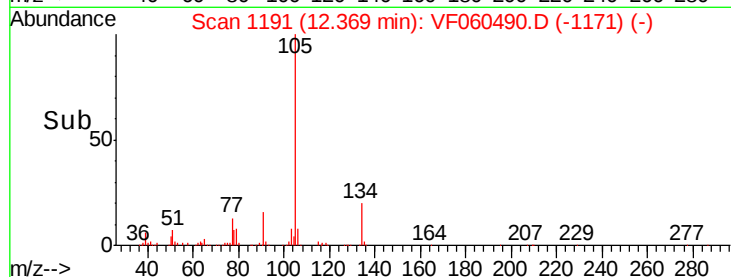
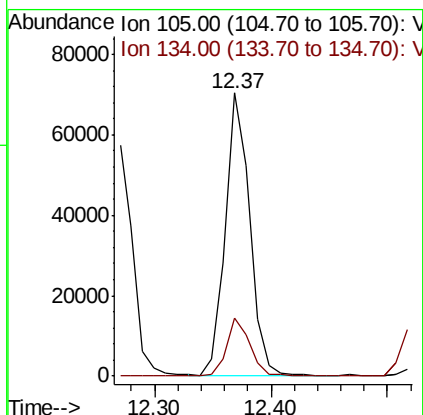
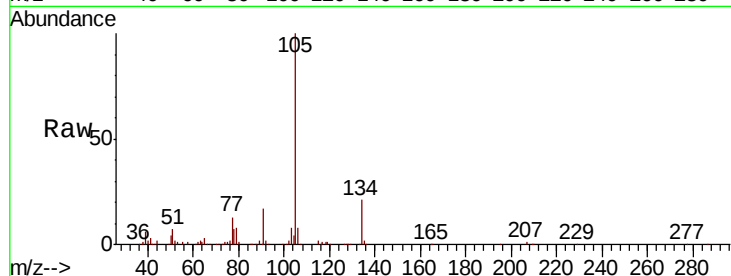




#85
 sec-Butylbenzene
 Concen: 4.886 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

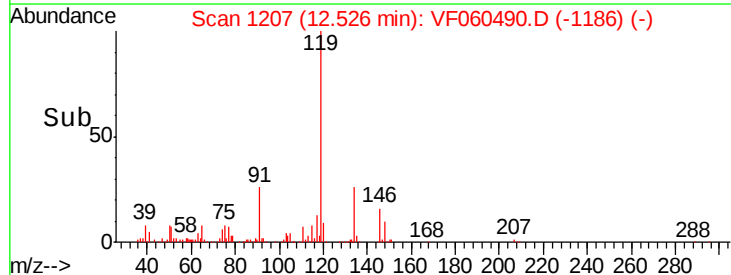
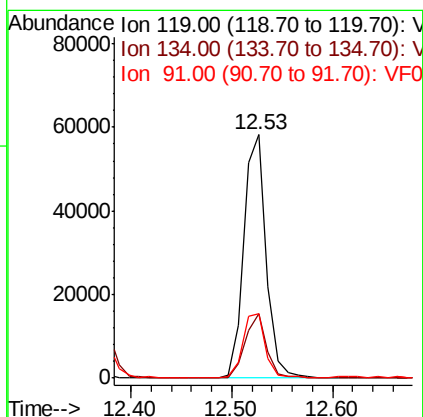
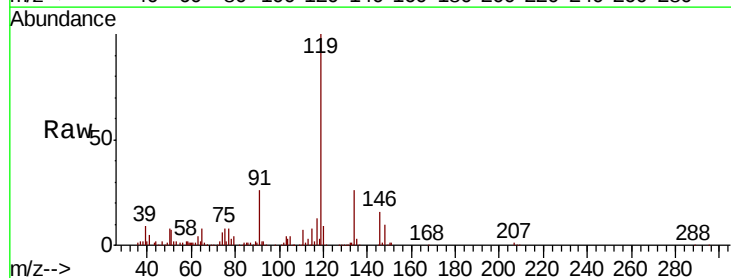
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

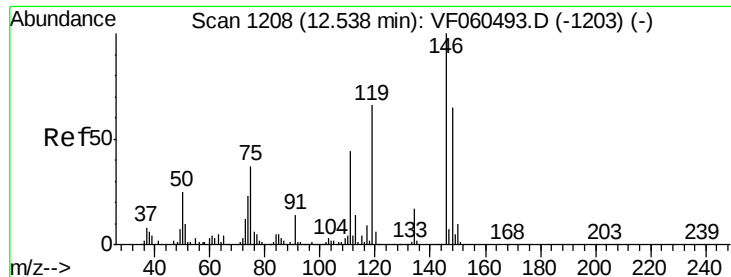
Tgt Ion:105 Resp: 103218
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 5.208 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

Tgt Ion:119 Resp: 89892
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.6 37.6
 91 26.4 14.1 42.4

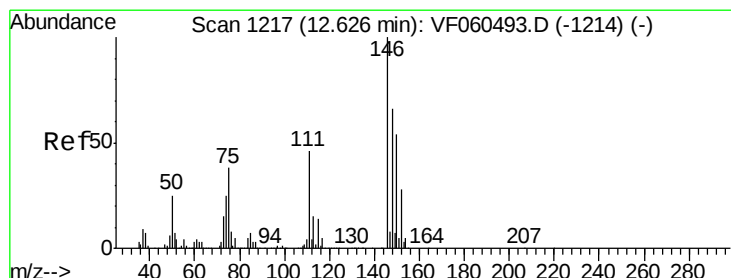
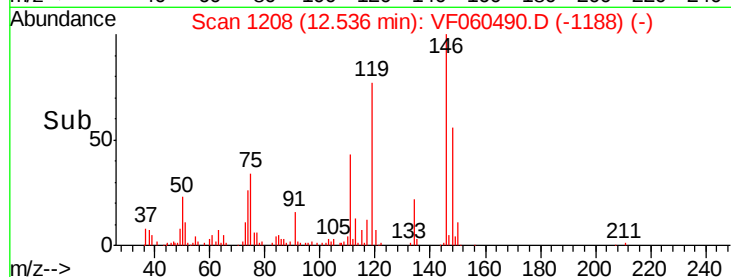
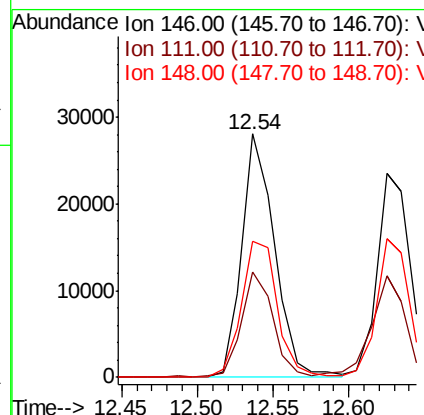
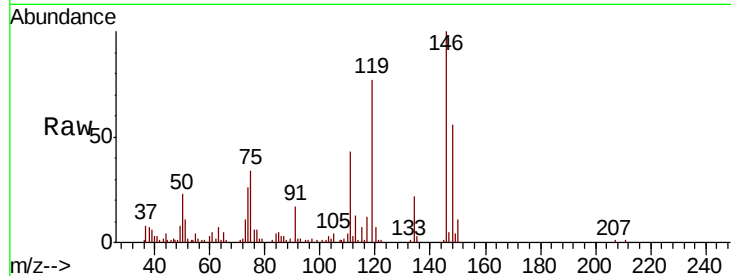




#87
 1,3-Dichlorobenzene
 Concen: 5.500 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

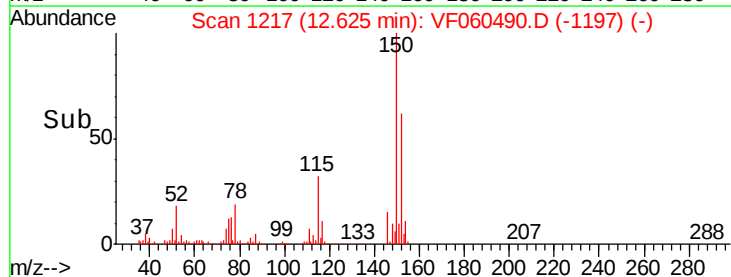
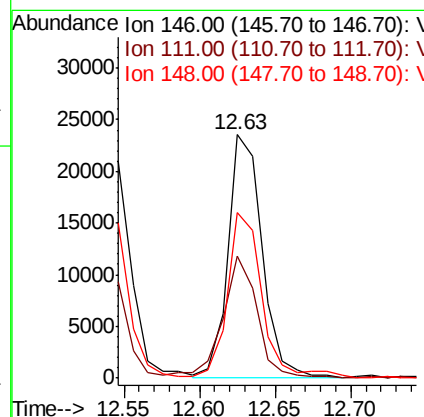
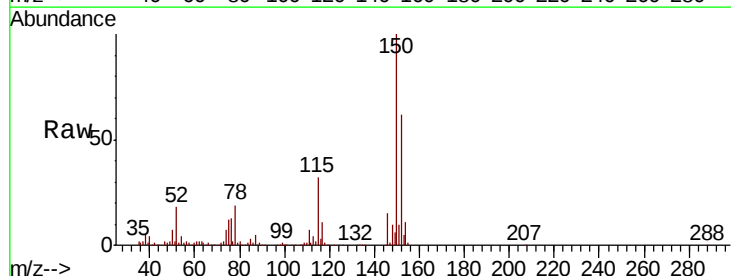
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

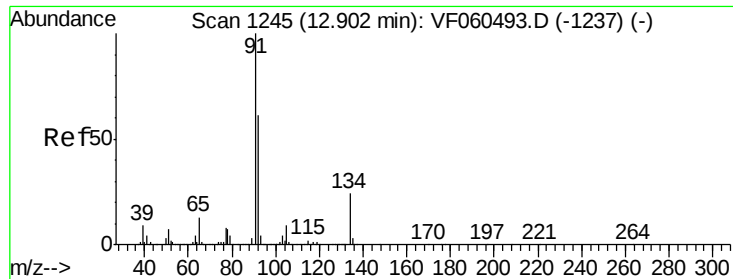
Tgt Ion:146 Resp: 42335
 Ion Ratio Lower Upper
 146 100
 111 43.4 22.2 66.6
 148 55.8 32.7 98.1



#88
 1,4-Dichlorobenzene
 Concen: 4.879 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

Tgt Ion:146 Resp: 36939
 Ion Ratio Lower Upper
 146 100
 111 50.0 23.2 69.6
 148 68.1 33.3 99.9

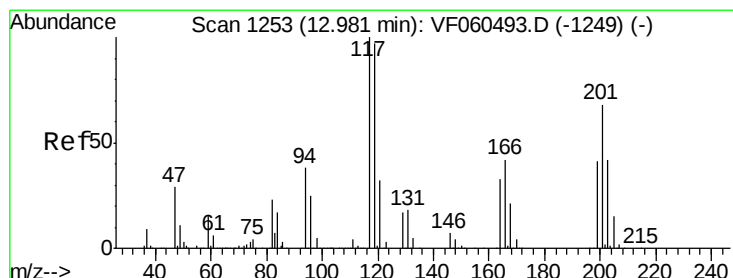
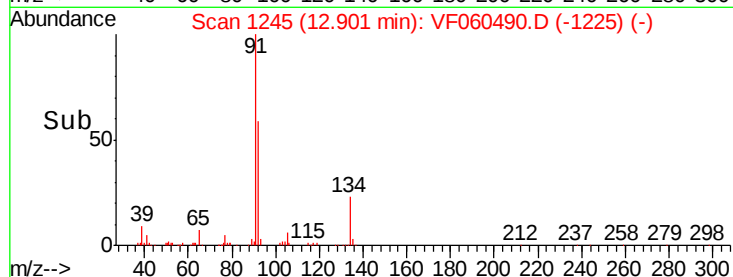
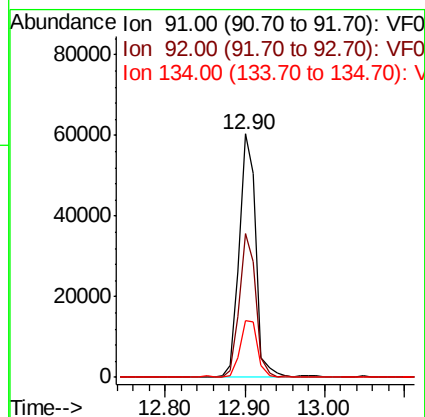
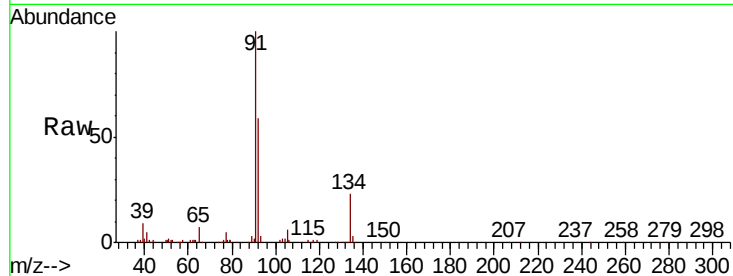




#89
n-Butylbenzene
Concen: 4.897 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

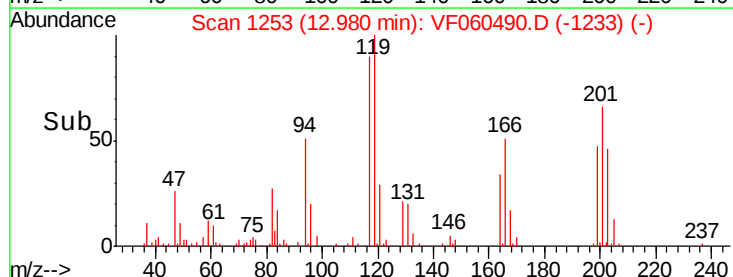
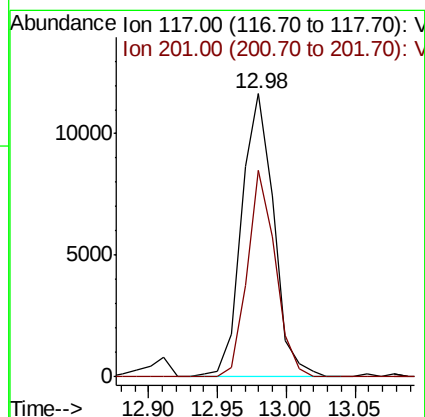
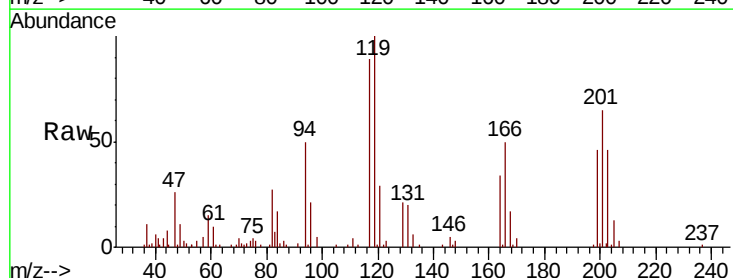
Instrument :
MSVOA_F
ClientSampled :
BFB

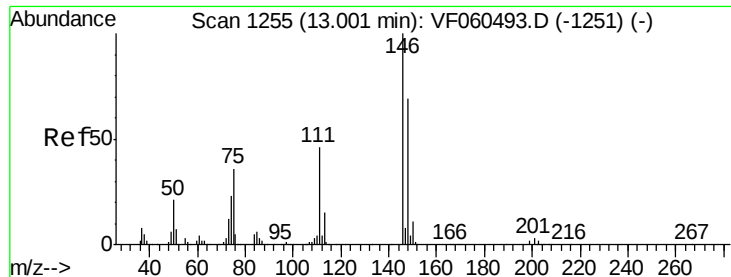
Tgt Ion: 91 Resp: 89105
Ion Ratio Lower Upper
91 100
92 59.1 30.8 92.3
134 23.4 12.1 36.3



#90
Hexachloroethane
Concen: 4.325 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Tgt Ion: 117 Resp: 19058
Ion Ratio Lower Upper
117 100
201 72.8 34.0 102.0

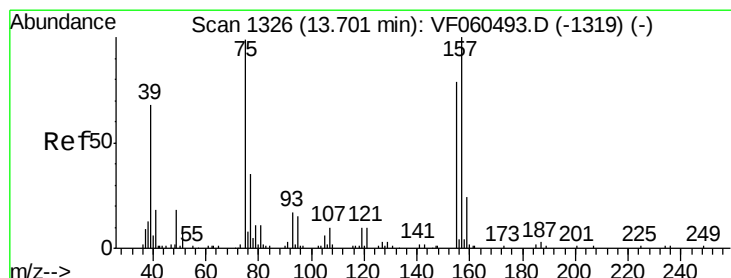
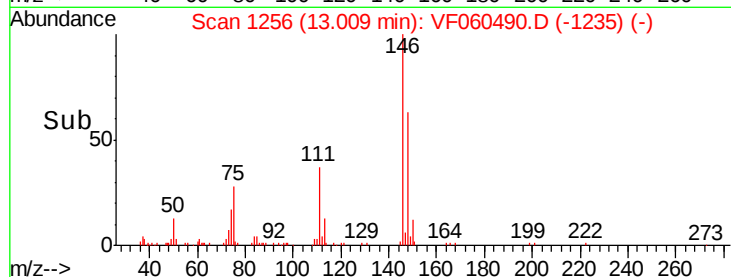
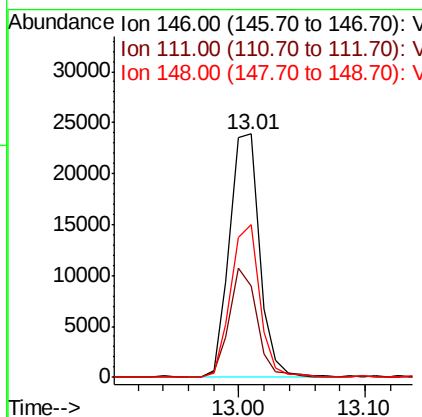
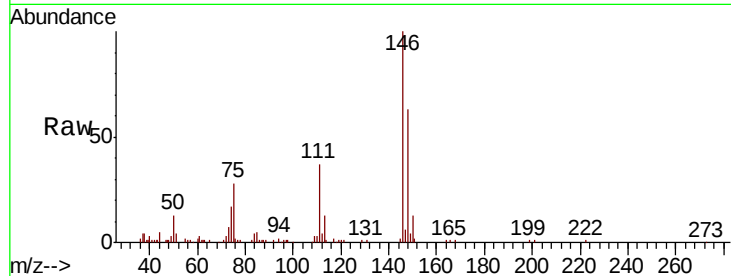




#91
 1,2-Dichlorobenzene
 Concen: 5.355 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

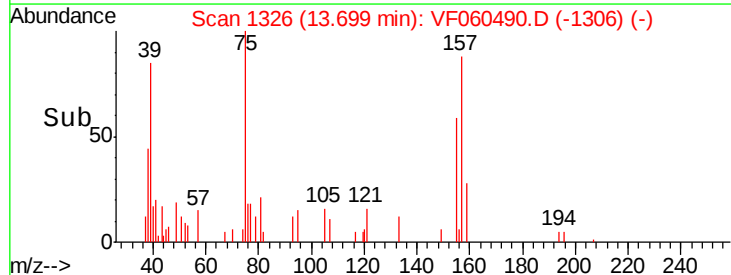
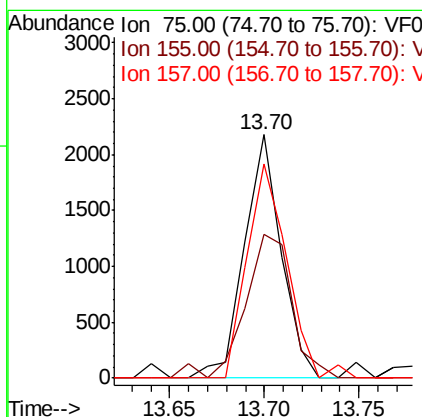
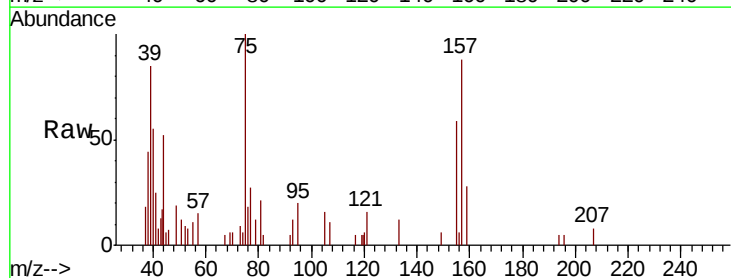
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

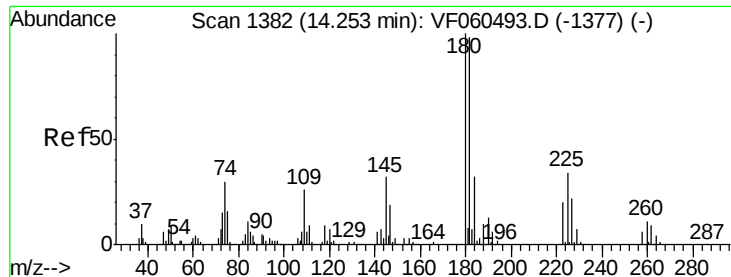
Tgt Ion: 146 Resp: 39527
 Ion Ratio Lower Upper
 146 100
 111 37.3 22.9 68.7
 148 62.8 34.5 103.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.503 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

Tgt Ion: 75 Resp: 2949
 Ion Ratio Lower Upper
 75 100
 155 58.8 40.6 121.7
 157 87.7 50.8 152.5

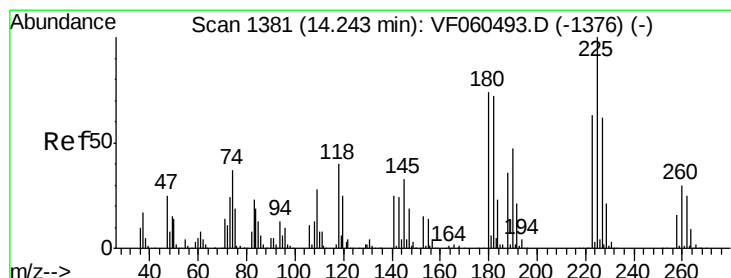
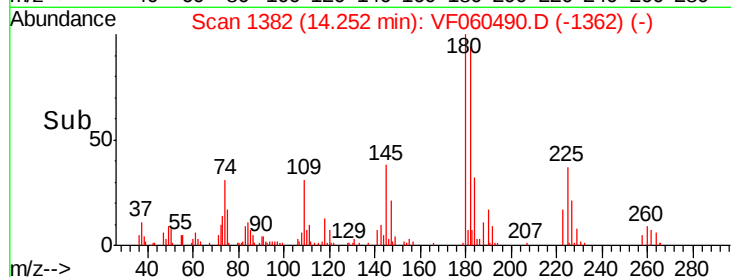
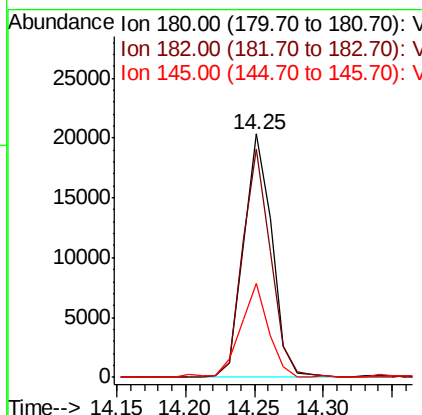
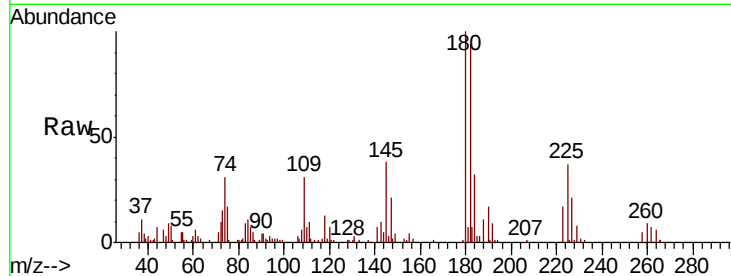




#93
 1,2,4-Trichlorobenzene
 Concen: 5.297 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

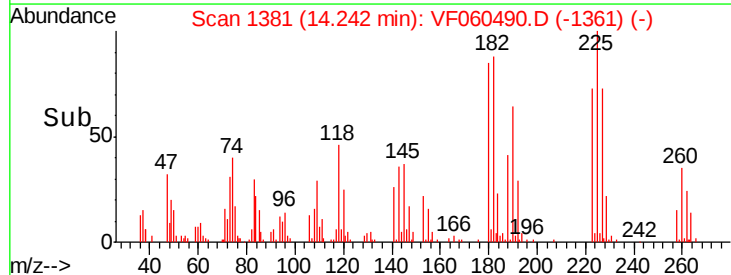
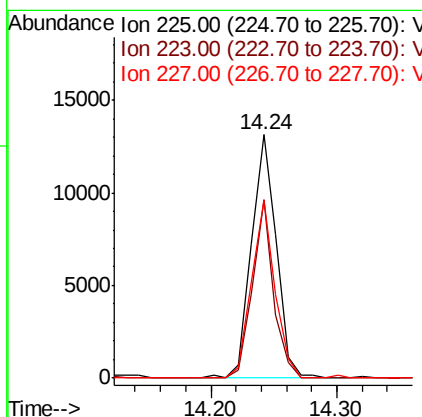
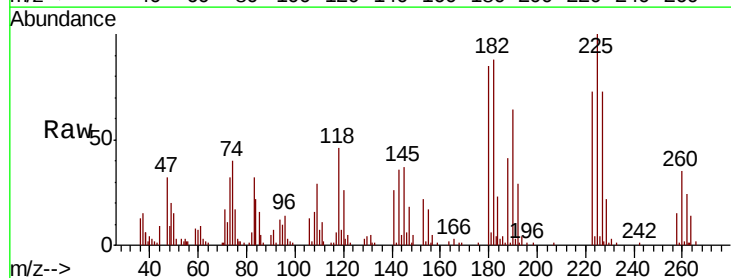
Instrument :
 MSVOA_F
 ClientSampled :
 BFB

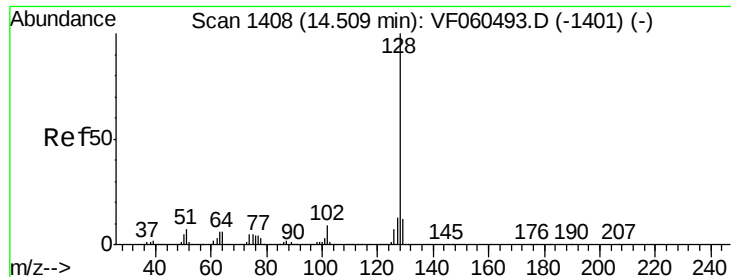
Tgt Ion:180 Resp: 29243
 Ion Ratio Lower Upper
 180 100
 182 93.6 48.9 146.8
 145 38.4 16.2 48.5



#94
 Hexachlorobutadiene
 Concen: 4.630 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VF060490.D
 Acq: 9 Oct 2018 14:46

Tgt Ion:225 Resp: 17975
 Ion Ratio Lower Upper
 225 100
 223 73.4 31.4 94.2
 227 73.5 30.9 92.7

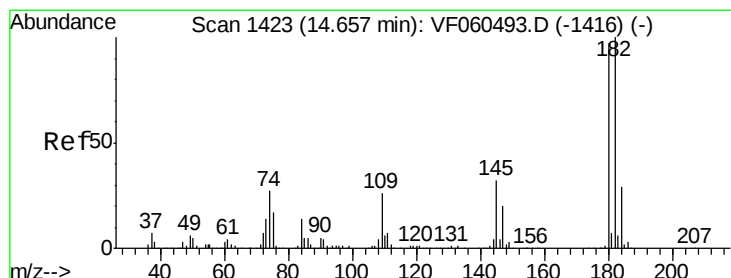
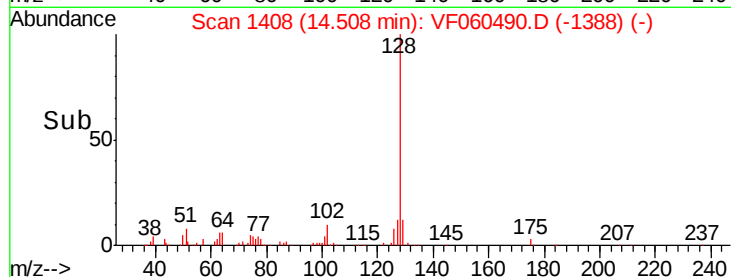
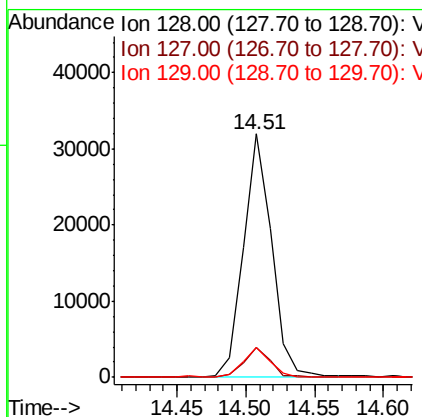
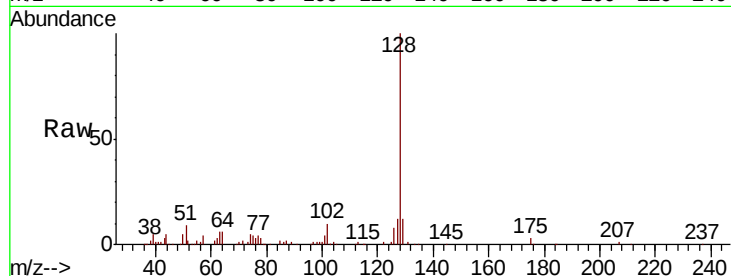




#95
Naphthalene
Concen: 4.642 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion:128 Resp: 45760
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.2
129 12.3 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 4.690 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.00 min
Lab File: VF060490.D
Acq: 9 Oct 2018 14:46

Tgt Ion:180 Resp: 24393
Ion Ratio Lower Upper
180 100
182 99.9 51.3 153.9
145 32.9 16.4 49.2

