

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022018\
 Data File : VF056591.D
 Acq On : 20 Feb 2018 19:44
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Feb 21 07:21:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 07:20:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.79	168	500210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.51	114	802433	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.68	117	741505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	384808	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.75	65	309706	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	4.02	113	297892	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	7.47	98	903776	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.34	95	395223	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.93	85	244336	48.43	ug/l	96
3) Chloromethane	1.02	50	282946	50.29	ug/l	98
4) Vinyl Chloride	1.08	62	223502	55.91	ug/l	95
5) Bromomethane	1.25	94	129506	57.94	ug/l	94
6) Chloroethane	1.33	64	80200	50.87	ug/l	93
7) Trichlorofluoromethane	1.39	101	86711	20.81	ug/l	98
8) Diethyl Ether	1.60	74	79060	52.87	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.77	101	191067	54.14	ug/l	90
10) Methyl Iodide	1.83	142	371653	56.49	ug/l	96
11) Tert butyl alcohol	2.50	59	120950	296.33	ug/l	98
12) 1,1-Dichloroethene	1.74	96	172693	53.12	ug/l	94
13) Acrolein	1.95	56	129602	296.62	ug/l	95
14) Allyl chloride	2.05	41	314055	56.20	ug/l	100
15) Acrylonitrile	2.87	53	292627	284.50	ug/l	94
16) Acetone	2.19	43	474100	266.40	ug/l	94
17) Carbon Disulfide	1.73	76	183345	21.63	ug/l	96
18) Methyl Acetate	2.29	43	202223	58.03	ug/l	97
19) Methyl tert-butyl Ether	2.38	73	496198	51.61	ug/l	98
20) Methylene Chloride	2.13	84	177895	52.51	ug/l	96
21) trans-1,2-Dichloroethene	2.26	96	178587	52.14	ug/l	96
22) Diisopropyl ether	2.74	45	667922	53.32	ug/l	99
23) Vinyl Acetate	3.12	43	2689781	263.89	ug/l	98
24) 1,1-Dichloroethane	2.81	63	374301	54.09	ug/l	99
25) 2-Butanone	4.24	43	843697	266.59	ug/l	99
26) 2,2-Dichloropropane	3.52	77	209086	54.60	ug/l	99
27) cis-1,2-Dichloroethene	3.40	96	293520	51.01	ug/l	98
28) Bromochloromethane	3.64	49	184835	53.15	ug/l	94
29) Tetrahydrofuran	3.98	42	373027	254.56	ug/l	98
30) Chloroform	3.78	83	493059	49.79	ug/l	100
31) Cyclohexane	3.63	56	399730	53.78	ug/l	95
32) 1,1,1-Trichloroethane	4.01	97	338340	56.39	ug/l	98
36) 1,1-Dichloropropene	4.20	75	382725	50.65	ug/l	99
37) Ethyl Acetate	4.02	43	363882	53.86	ug/l	94
38) Carbon Tetrachloride	3.91	117	317447	56.44	ug/l	90

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022018\
 Data File : VF056591.D
 Acq On : 20 Feb 2018 19:44
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Feb 21 07:21:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 07:20:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.38	83	435304	53.27	ug/l	97
40) Benzene	4.55	78	969565	50.60	ug/l	99
41) Methacrylonitrile	4.66	41	168132	51.27	ug/l	96
42) 1,2-Dichloroethane	4.86	62	392571	52.71	ug/l	99
43) Isopropyl Acetate	6.88	43	462542	55.85	ug/l #	100
44) Trichloroethene	5.42	130	288637	51.34	ug/l	93
45) 1,2-Dichloropropane	6.15	63	280106	51.31	ug/l	100
46) Dibromomethane	6.00	93	216833	51.63	ug/l	96
47) Bromodichloromethane	6.30	83	417058	53.73	ug/l	98
48) Methyl methacrylate	6.63	41	271055	55.85	ug/l	98
49) 1,4-Dioxane	6.61	88	52923	1057.86	ug/l	95
51) 4-Methyl-2-Pentanone	8.17	43	1513799	267.20	ug/l	98
52) Toluene	7.54	92	626418	49.09	ug/l	96
53) t-1,3-Dichloropropene	8.19	75	405000	51.80	ug/l	100
54) cis-1,3-Dichloropropene	7.22	75	458699	50.42	ug/l	99
55) 1,1,2-Trichloroethane	8.40	97	266530	52.73	ug/l	97
56) Ethyl methacrylate	8.54	69	361252	54.72	ug/l	97
57) 1,3-Dichloropropane	8.76	76	452281	51.45	ug/l	99
59) 2-Hexanone	9.40	43	1223160	266.00	ug/l	99
60) Dibromochloromethane	8.63	129	325579	53.12	ug/l	95
61) 1,2-Dibromoethane	8.89	107	311285	53.18	ug/l	97
64) Tetrachloroethene	8.07	164	286986	53.78	ug/l	98
65) Chlorobenzene	9.71	112	749089	51.55	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.84	131	256617	51.24	ug/l	99
67) Ethyl Benzene	9.81	91	1278715	51.60	ug/l	100
68) m/p-Xylenes	10.04	106	896579	98.93	ug/l	96
69) o-Xylene	10.64	106	478560	50.87	ug/l	98
70) Styrene	10.71	104	769172	51.59	ug/l	98
71) Bromoform	10.69	173	221857	55.35	ug/l	99
73) Isopropylbenzene	11.05	105	1323524	52.22	ug/l	99
74) N-amyl acetate	11.31	43	625174	55.14	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.62	83	394403	51.43	ug/l	96
76) 1,2,3-Trichloropropane	11.72	75	296086	50.32	ug/l	99
77) Bromobenzene	11.43	156	355833	51.75	ug/l	99
78) n-propylbenzene	11.52	91	1568303	50.22	ug/l	99
79) 2-Chlorotoluene	11.65	91	929352	50.54	ug/l	99
80) 1,3,5-Trimethylbenzene	11.76	105	1076235	51.24	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.80	75	171660	53.25	ug/l	99
82) 4-Chlorotoluene	11.83	91	988098	49.40	ug/l	100
83) tert-Butylbenzene	12.07	119	1046375	51.45	ug/l	98
84) 1,2,4-Trimethylbenzene	12.13	105	1107273	50.56	ug/l	100
85) sec-Butylbenzene	12.23	105	1442037	51.50	ug/l	100
86) p-Isopropyltoluene	12.39	119	1140035	50.71	ug/l	98
87) 1,3-Dichlorobenzene	12.40	146	618601	48.92	ug/l	98
88) 1,4-Dichlorobenzene	12.49	146	635446	52.34	ug/l	99
89) n-Butylbenzene	12.78	91	1218459	59.02	ug/l	100
90) Hexachloroethane	12.84	117	231059	53.47	ug/l	99
91) 1,2-Dichlorobenzene	12.86	146	610252	50.30	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.56	75	83049	58.13	ug/l	95
93) 1,2,4-Trichlorobenzene	14.12	180	425121	51.62	ug/l	97

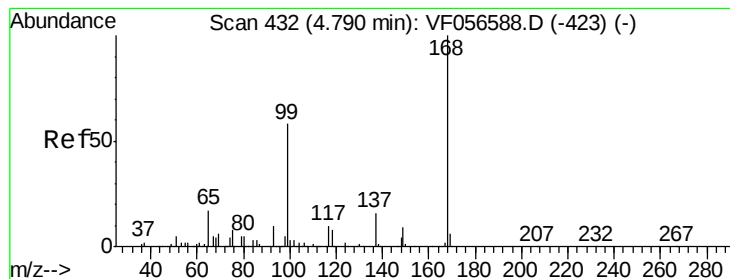
Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022018\
Data File : VF056591.D
Acq On : 20 Feb 2018 19:44
Operator : JC/SY
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Quant Time: Feb 21 07:21:27 2018
Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 21 07:20:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.12	225	242696	51.67	ug/l	98
95) Naphthalene	14.37	128	1120250	54.07	ug/l	98
96) 1,2,3-Trichlorobenzene	14.52	180	413082	51.92	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.79 min Scan# 432

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

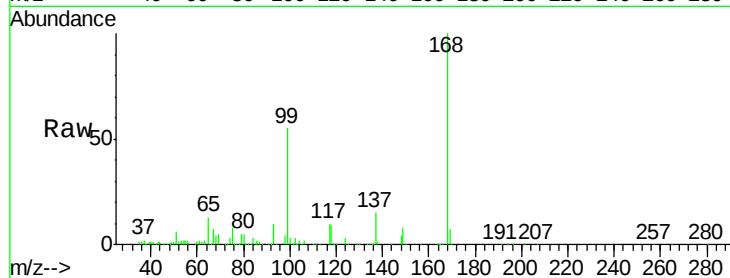
BFB

Tgt Ion:168 Resp: 500210

Ion Ratio Lower Upper

168 100

99 55.4 46.2 69.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.79

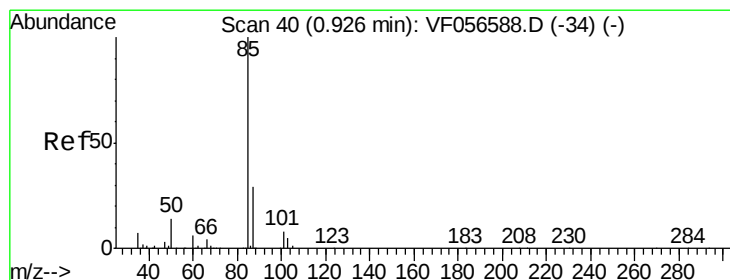
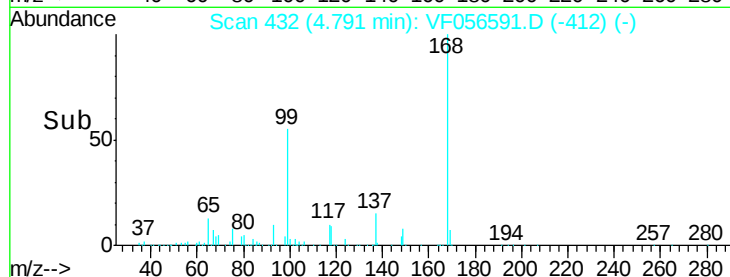
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.43 ug/l

RT: 0.93 min Scan# 40

Delta R.T. 0.00 min

Lab File: VF056591.D

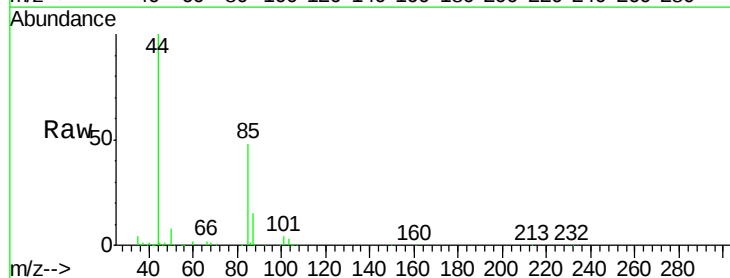
Acq: 20 Feb 2018 19:44

Tgt Ion: 85 Resp: 244336

Ion Ratio Lower Upper

85 100

87 31.3 14.7 44.1



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.93

80000

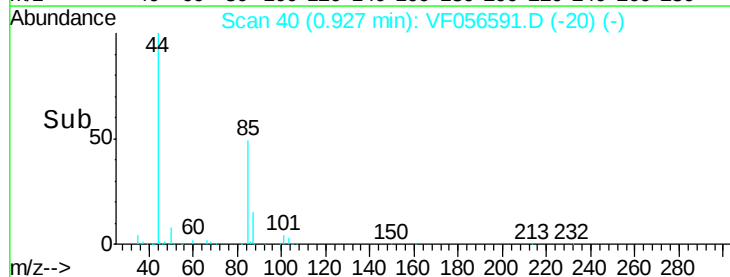
60000

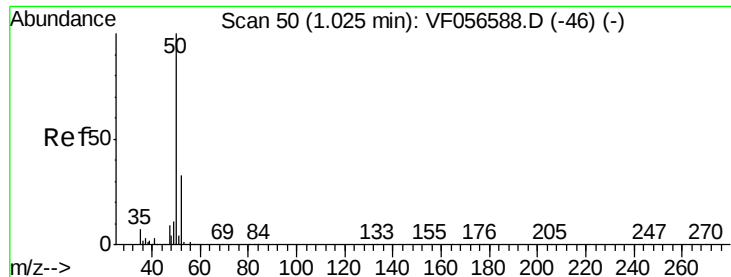
40000

20000

0

Time-->





#3

Chloromethane

Concen: 50.29 ug/l

RT: 1.02 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

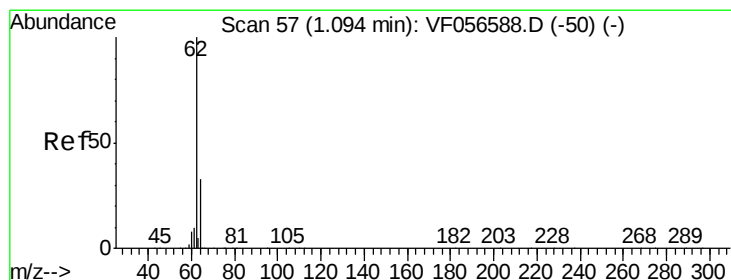
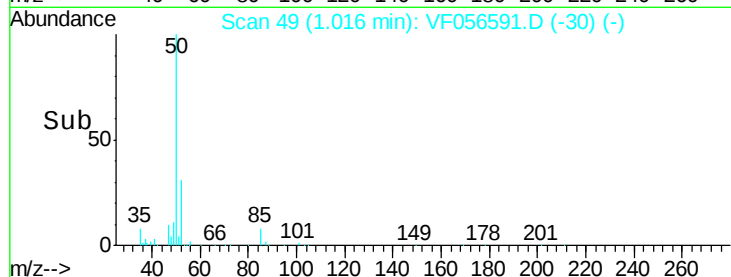
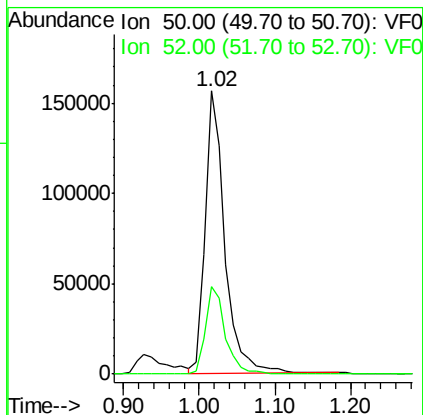
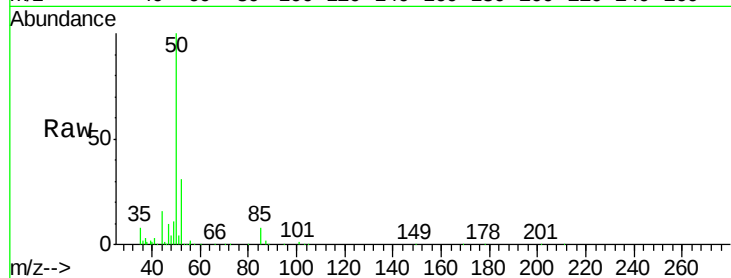
BFB

Tgt Ion: 50 Resp: 282946

Ion Ratio Lower Upper

50 100

52 31.0 25.8 38.8



#4

Vinyl Chloride

Concen: 55.91 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF056591.D

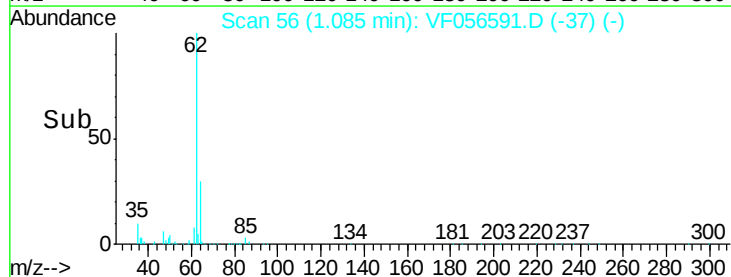
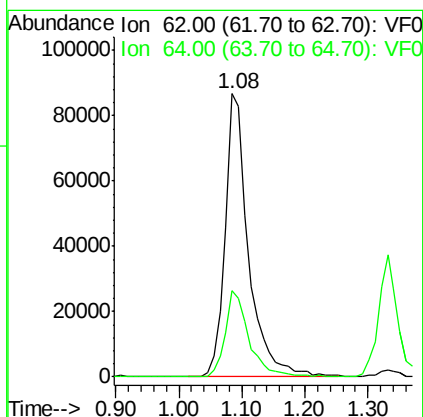
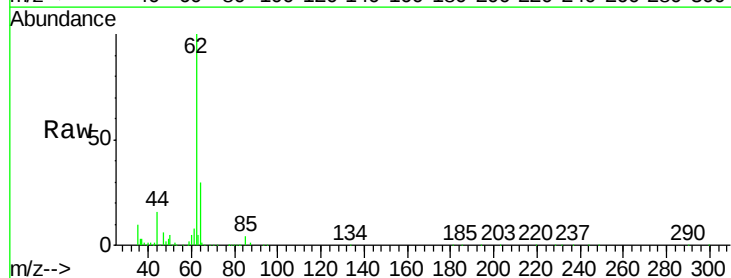
Acq: 20 Feb 2018 19:44

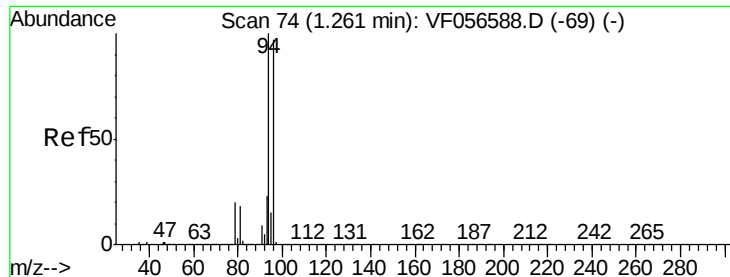
Tgt Ion: 62 Resp: 223502

Ion Ratio Lower Upper

62 100

64 30.4 26.4 39.6





#5

Bromomethane

Concen: 57.94 ug/l

RT: 1.25 min Scan# 73

Delta R.T. -0.01 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

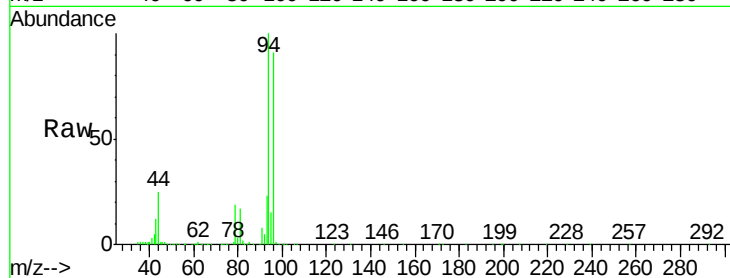
BFB

Tgt Ion: 94 Resp: 129506

Ion Ratio Lower Upper

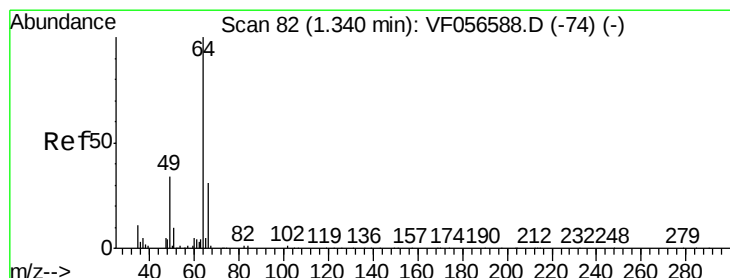
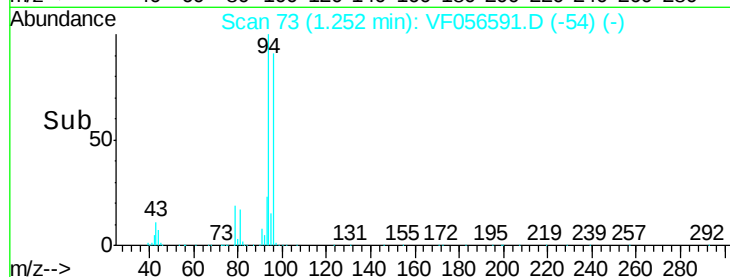
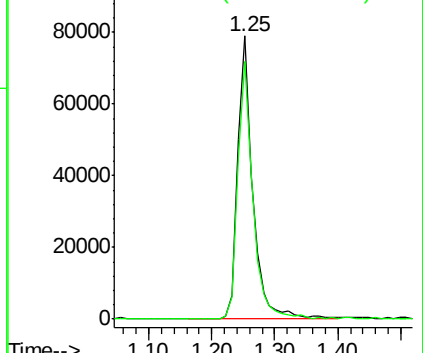
94 100

96 91.1 77.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 50.87 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF056591.D

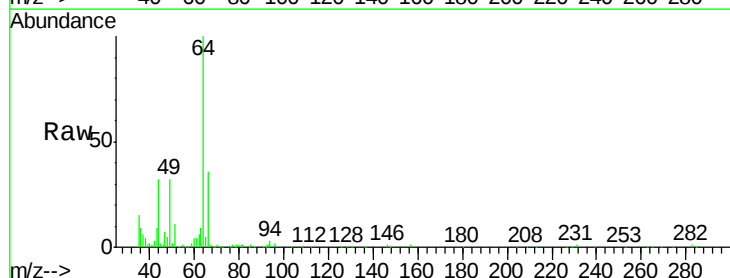
Acq: 20 Feb 2018 19:44

Tgt Ion: 64 Resp: 80200

Ion Ratio Lower Upper

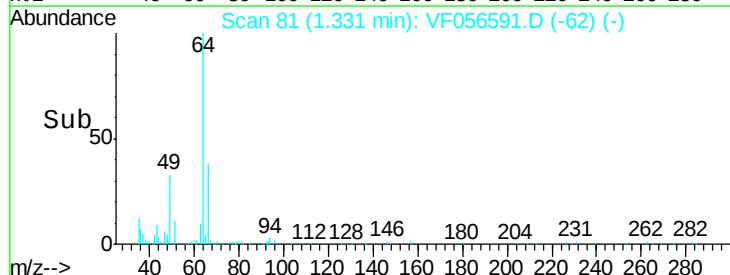
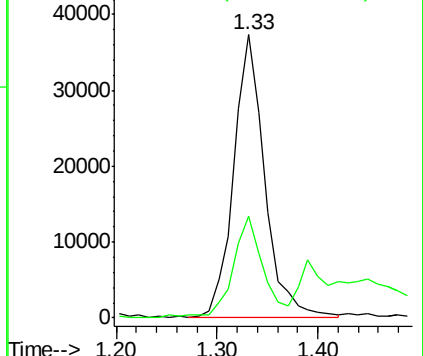
64 100

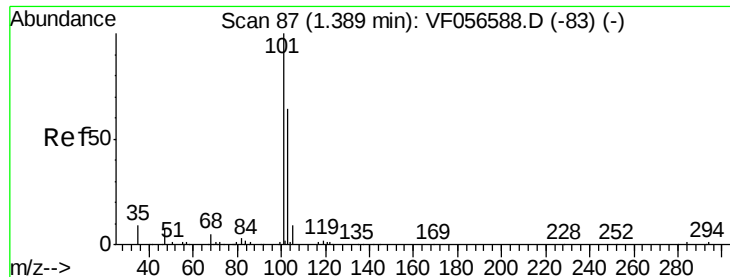
66 35.8 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 20.81 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

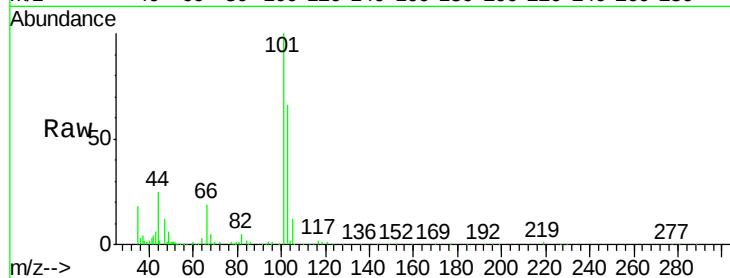
BFB

Tgt Ion:101 Resp: 86711

Ion Ratio Lower Upper

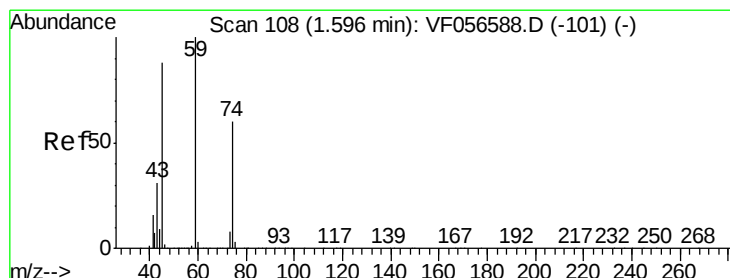
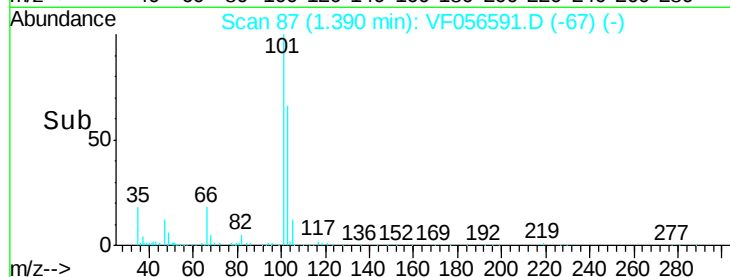
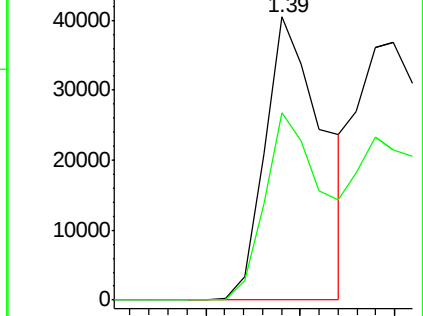
101 100

103 66.1 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 52.87 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.00 min

Lab File: VF056591.D

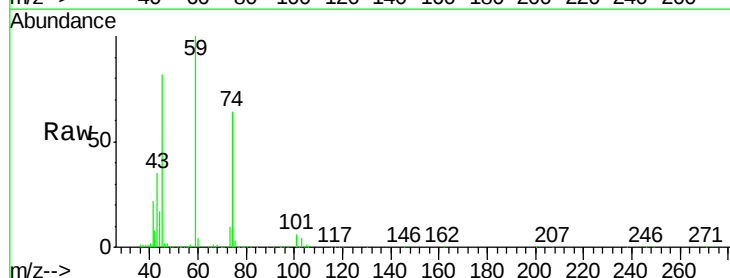
Acq: 20 Feb 2018 19:44

Tgt Ion: 74 Resp: 79060

Ion Ratio Lower Upper

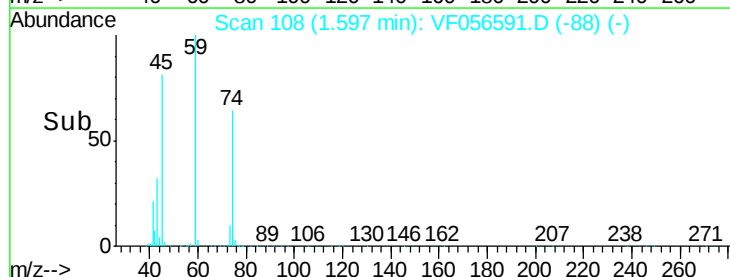
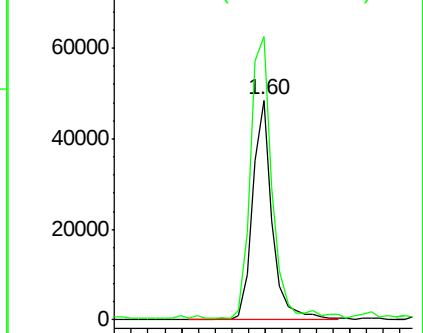
74 100

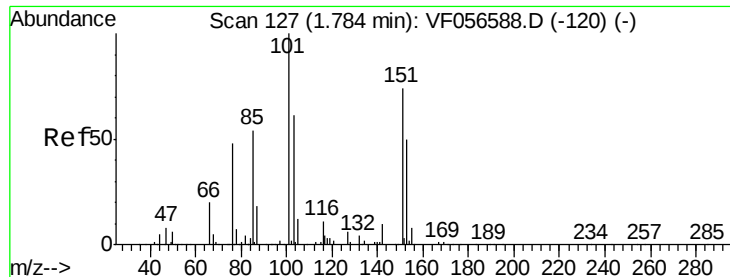
45 128.9 73.5 220.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.14 ug/l

RT: 1.77 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

BFB

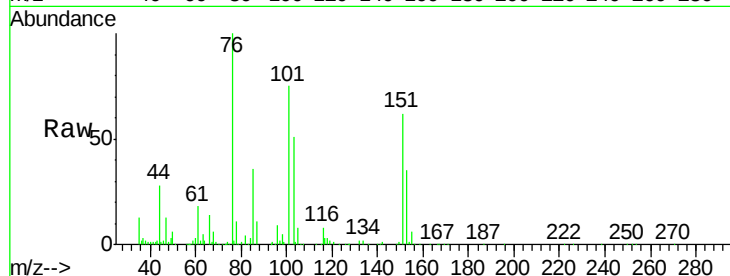
Tgt Ion:101 Resp: 191067

Ion Ratio Lower Upper

101 100

85 47.8 41.7 62.5

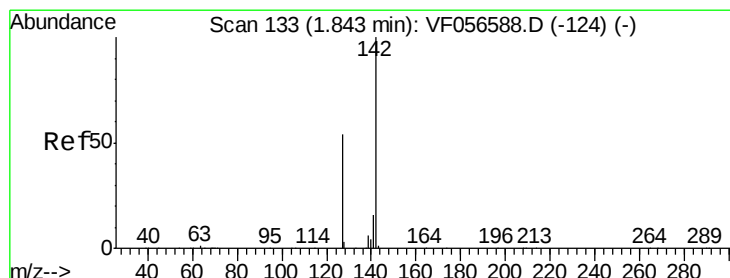
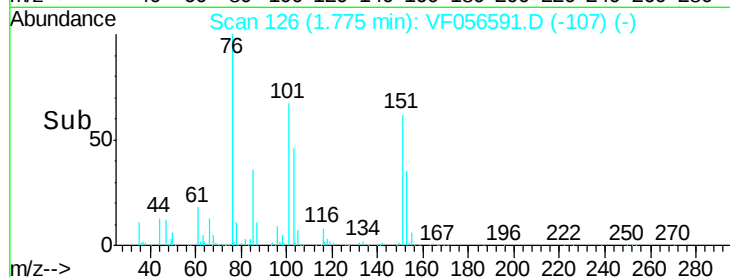
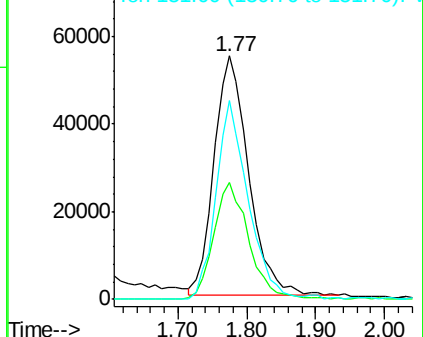
151 81.9 56.6 85.0



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: 56.49 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

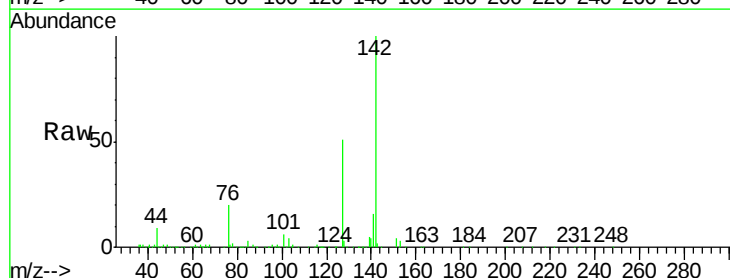
Tgt Ion:142 Resp: 371653

Ion Ratio Lower Upper

142 100

127 50.6 43.4 65.0

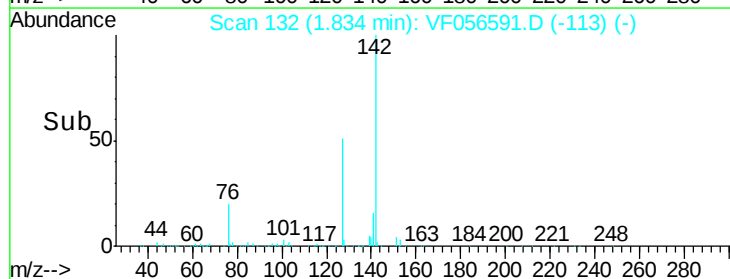
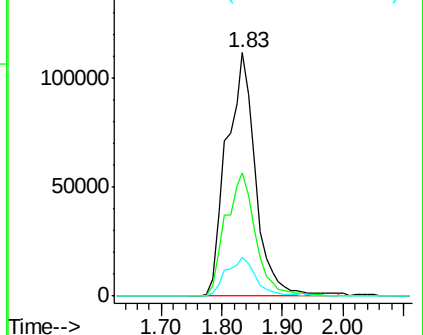
141 15.8 13.0 19.4

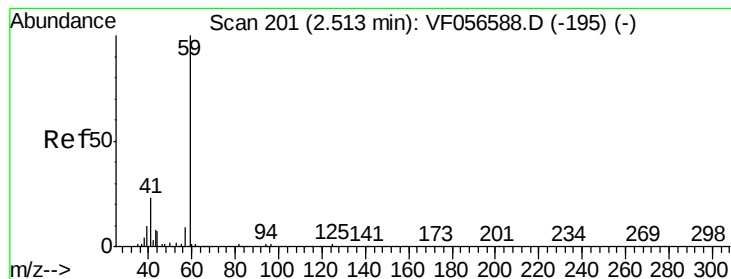


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



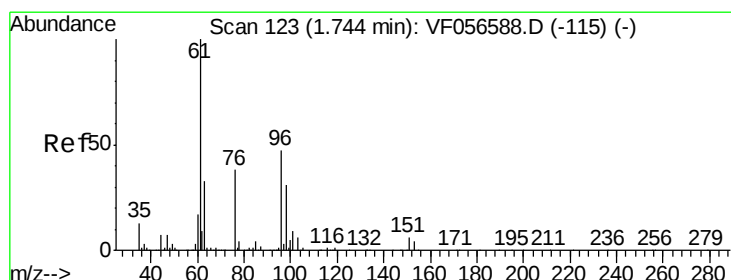
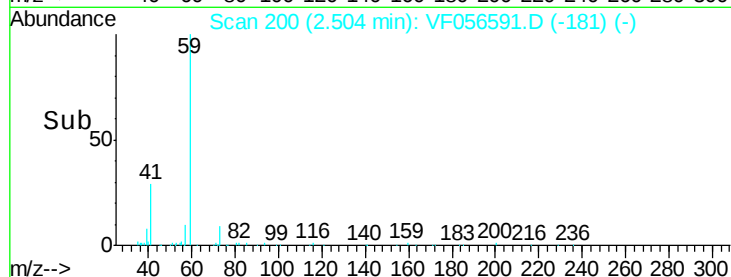
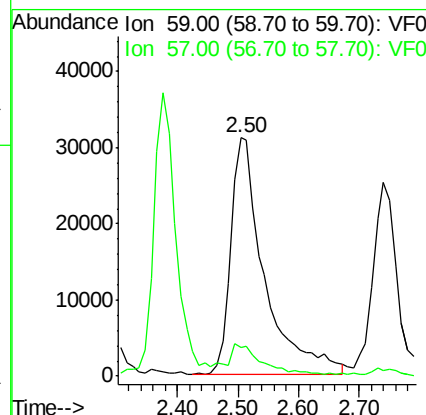
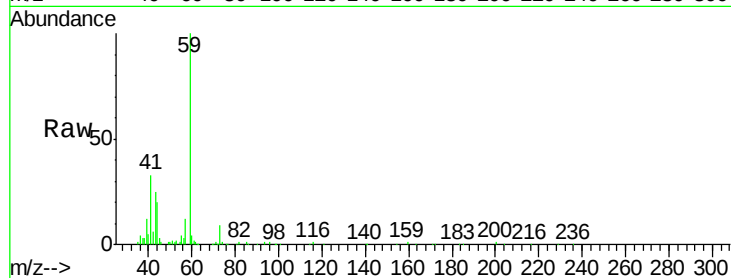


#11

Tert butyl alcohol
 Concen: 296.33 ug/l
 RT: 2.50 min Scan# 200
 Delta R.T. -0.01 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

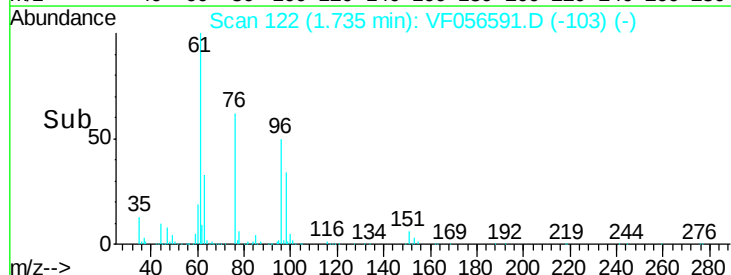
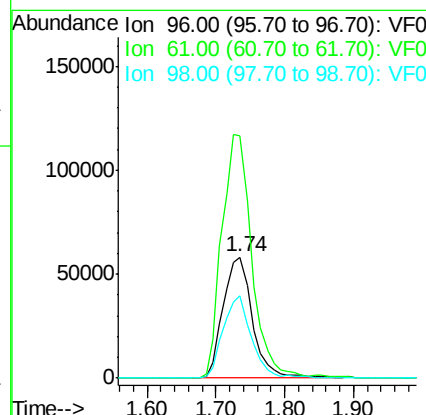
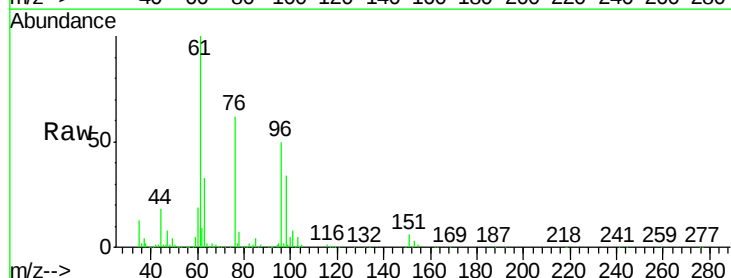
Tgt Ion: 59 Resp: 120950
 Ion Ratio Lower Upper
 59 100
 57 12.0 10.3 15.5

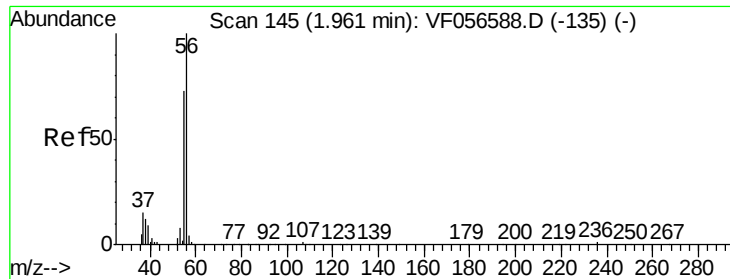


#12

1,1-Dichloroethene
 Concen: 53.12 ug/l
 RT: 1.74 min Scan# 122
 Delta R.T. -0.01 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

Tgt Ion: 96 Resp: 172693
 Ion Ratio Lower Upper
 96 100
 61 200.9 168.8 253.2
 98 68.0 52.2 78.4

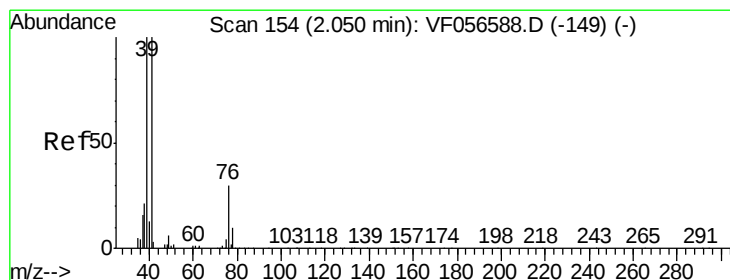
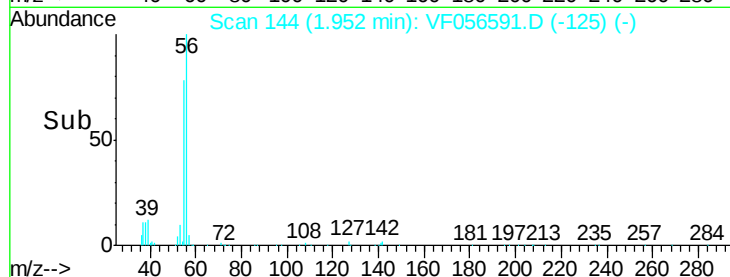
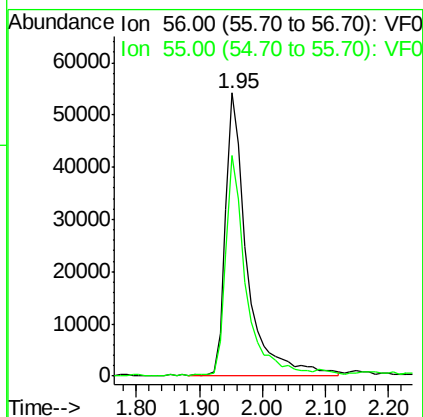
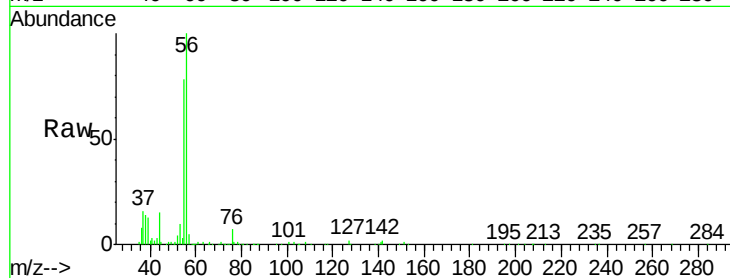




#13
Acrolein
Concen: 296.62 ug/l
RT: 1.95 min Scan# 144
Delta R.T. -0.01 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

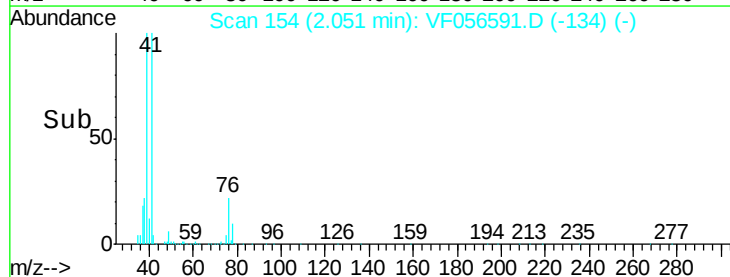
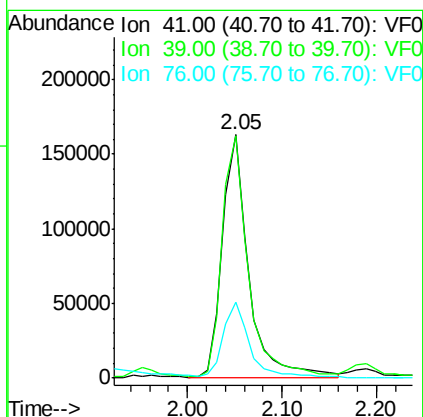
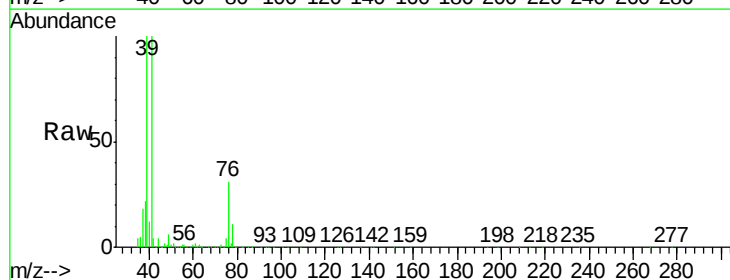
Instrument :
MSVOA_X
ClientSampleId :
BFB

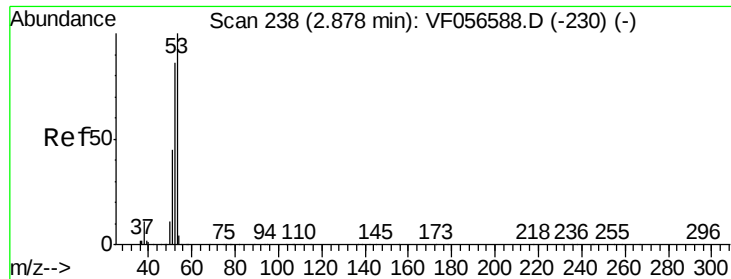
Tgt Ion: 56 Resp: 129602
Ion Ratio Lower Upper
56 100
55 77.8 58.6 88.0



#14
Allyl chloride
Concen: 56.20 ug/l
RT: 2.05 min Scan# 154
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

Tgt Ion: 41 Resp: 314055
Ion Ratio Lower Upper
41 100
39 99.7 79.8 119.6
76 31.0 25.4 38.2

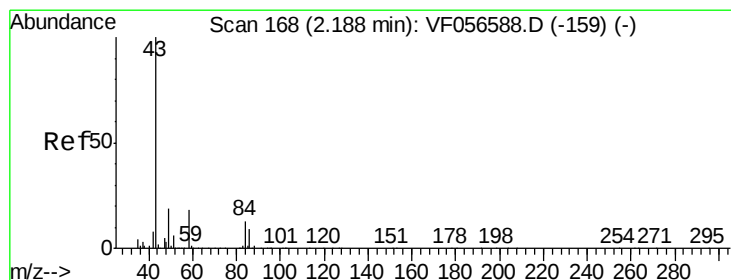
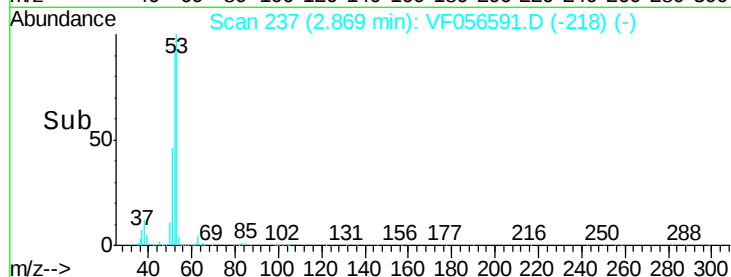
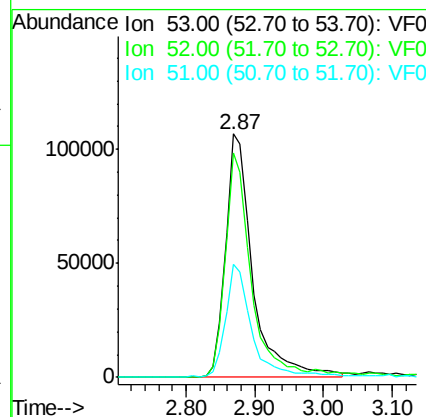
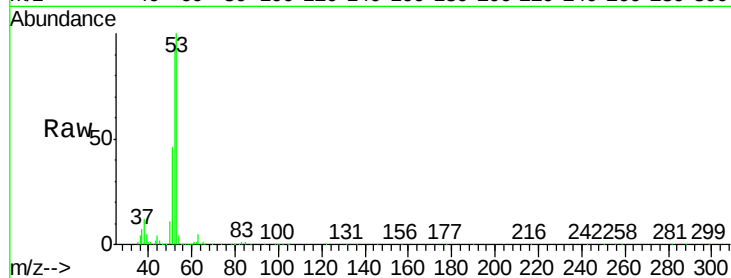




#15
 Acrylonitrile
 Concen: 284.50 ug/l
 RT: 2.87 min Scan# 237
 Delta R.T. -0.01 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

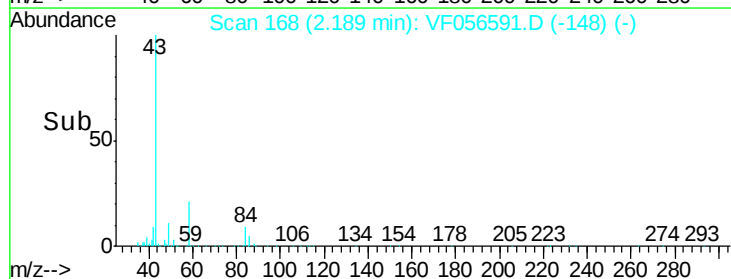
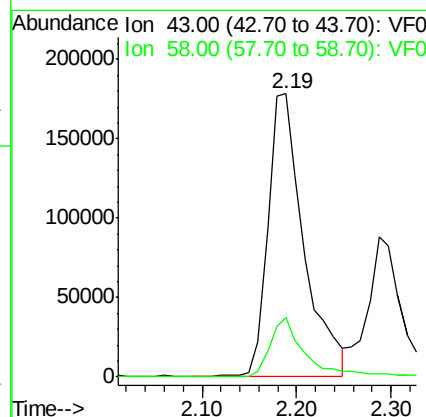
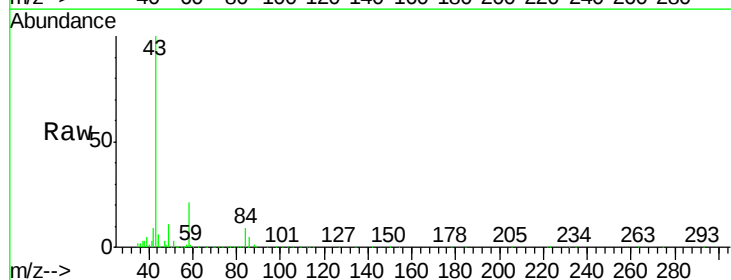
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

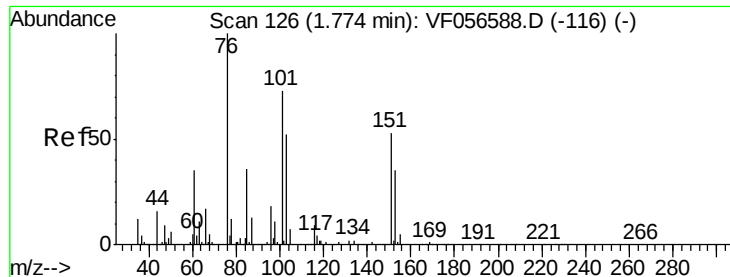
Tgt Ion:	53	Resp:	292627
Ion	Ratio	Lower	Upper
53	100		
52	91.9	68.4	102.6
51	46.5	35.8	53.6



#16
 Acetone
 Concen: 266.40 ug/l
 RT: 2.19 min Scan# 168
 Delta R.T. 0.00 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

Tgt Ion:	43	Resp:	474100
Ion	Ratio	Lower	Upper
43	100		
58	20.9	14.7	22.1





#17

Carbon Disulfide

Concen: 21.63 ug/l

RT: 1.73 min Scan# 121

Delta R.T. -0.05 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

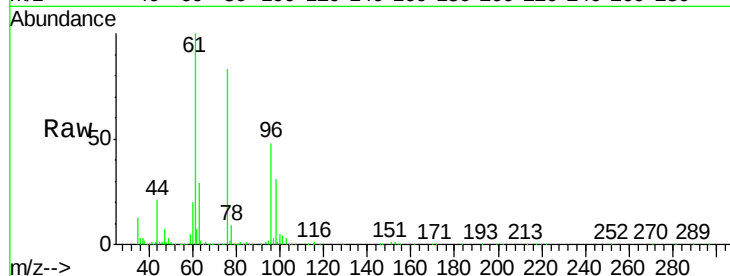
BFB

Tgt Ion: 76 Resp: 183345

Ion Ratio Lower Upper

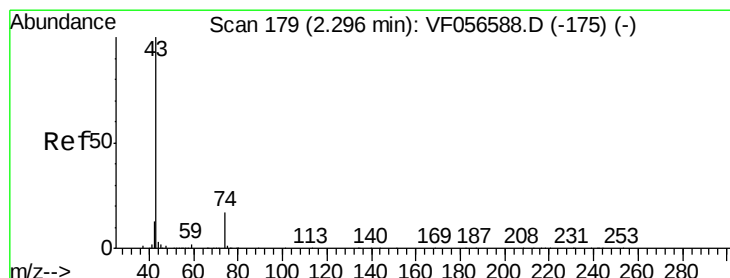
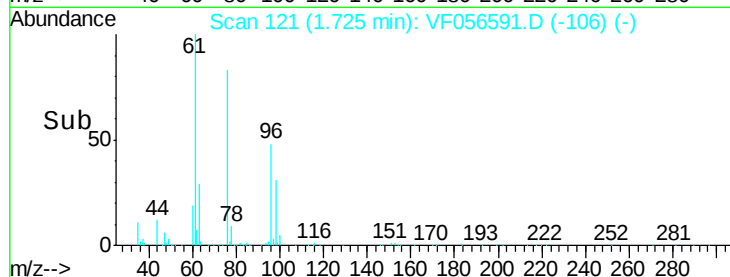
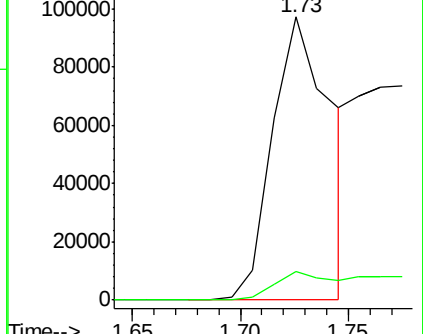
76 100

78 10.2 9.5 14.3



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 58.03 ug/l

RT: 2.29 min Scan# 178

Delta R.T. -0.01 min

Lab File: VF056591.D

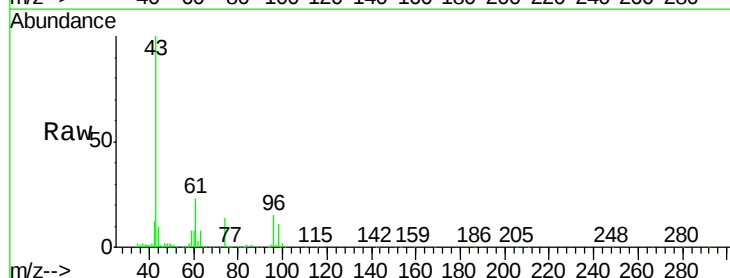
Acq: 20 Feb 2018 19:44

Tgt Ion: 43 Resp: 202223

Ion Ratio Lower Upper

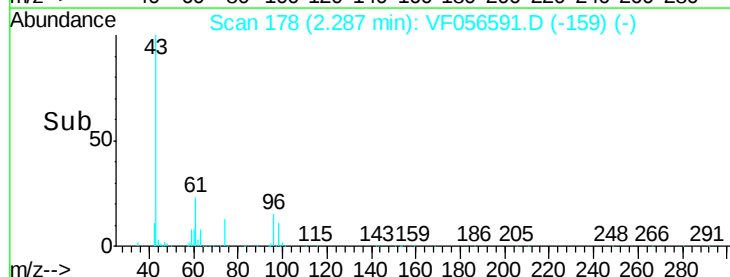
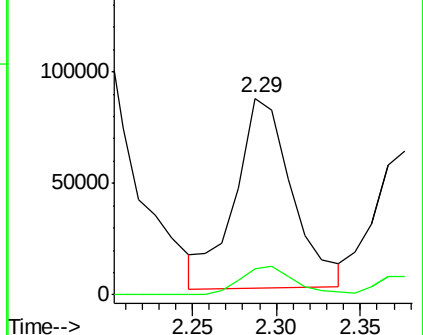
43 100

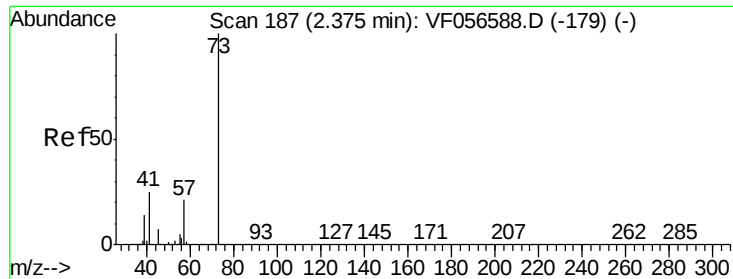
74 13.6 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

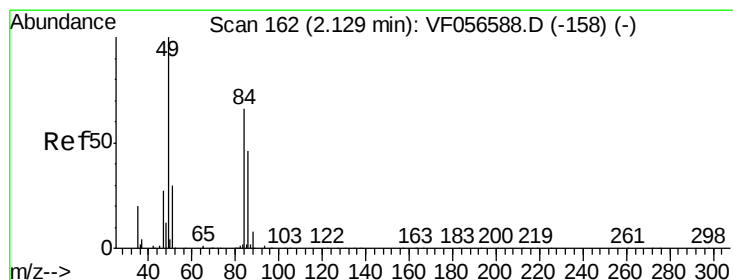
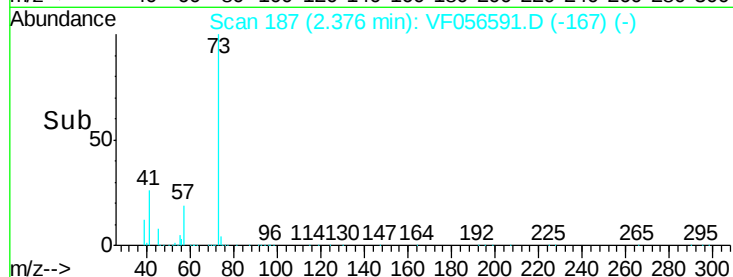
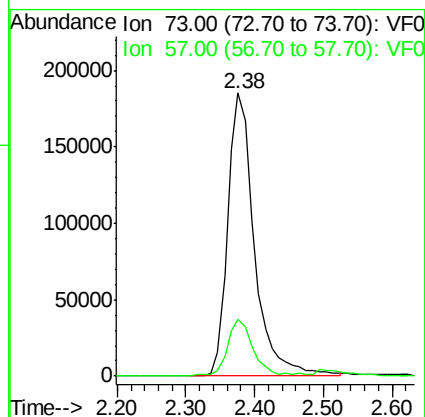
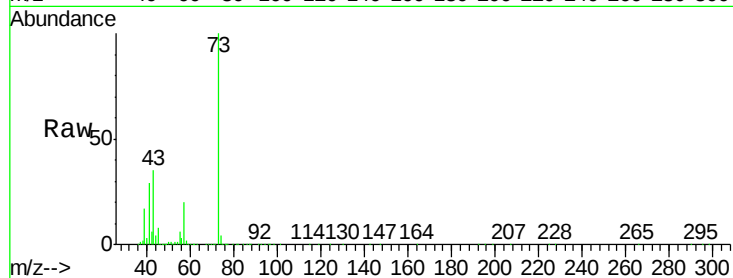




#19
Methyl tert-butyl Ether
Concen: 51.61 ug/l
RT: 2.38 min Scan# 187
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

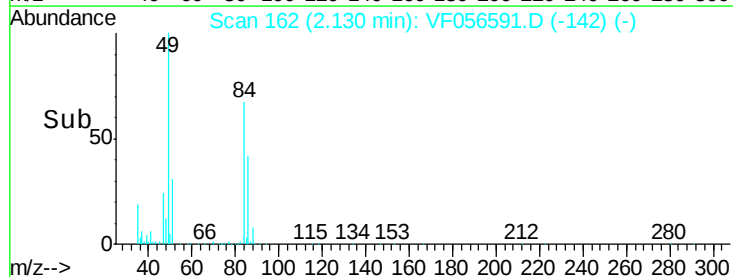
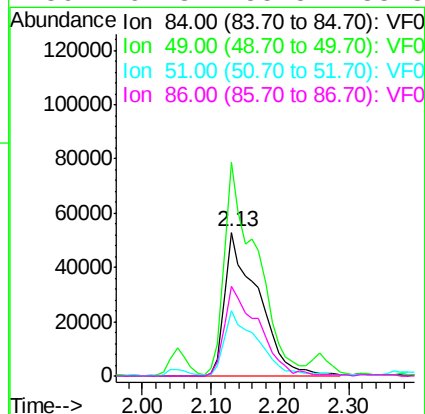
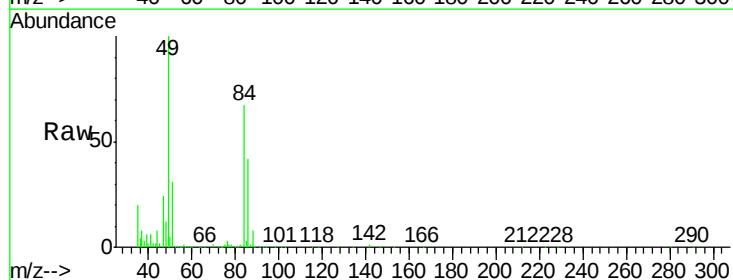
Instrument :
MSVOA_X
ClientSampleId :
BFB

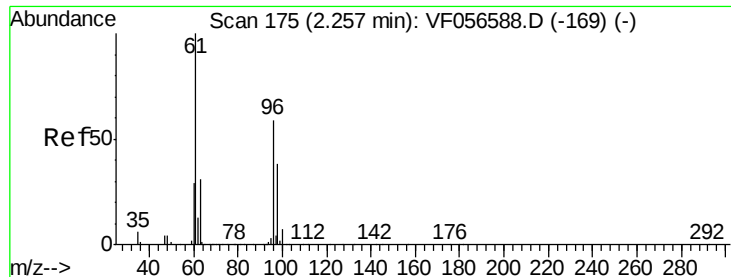
Tgt Ion: 73 Resp: 496198
Ion Ratio Lower Upper
73 100
57 20.1 16.7 25.1



#20
Methylene Chloride
Concen: 52.51 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

Tgt Ion: 84 Resp: 177895
Ion Ratio Lower Upper
84 100
49 148.3 121.4 182.0
51 45.6 37.1 55.7
86 62.3 55.5 83.3





#21

trans-1,2-Dichloroethene

Concen: 52.14 ug/l

RT: 2.26 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

BFB

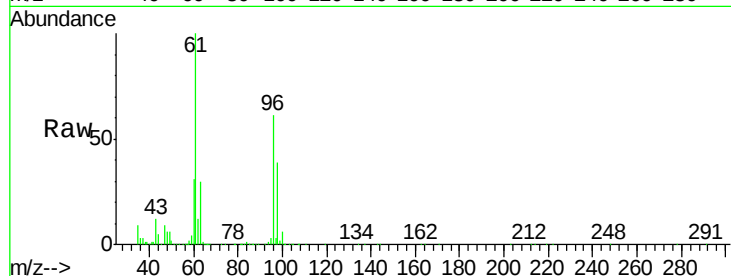
Tgt Ion: 96 Resp: 178587

Ion Ratio Lower Upper

96 100

61 163.0 136.4 204.6

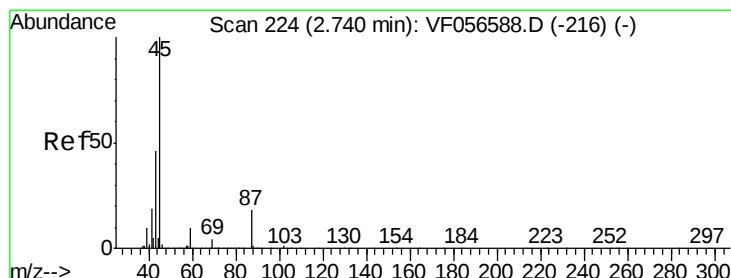
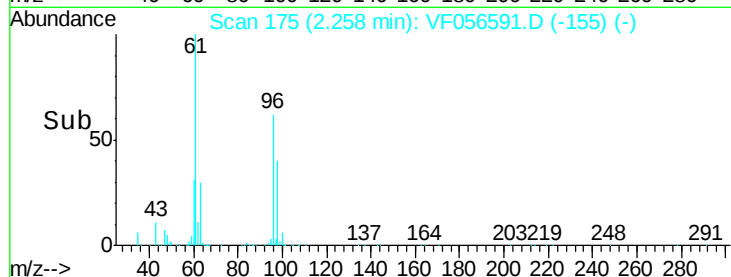
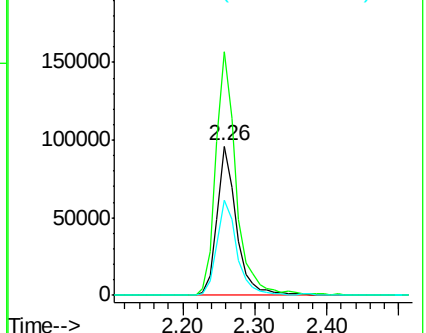
98 63.9 51.4 77.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 53.32 ug/l

RT: 2.74 min Scan# 224

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Tgt Ion: 45 Resp: 667922

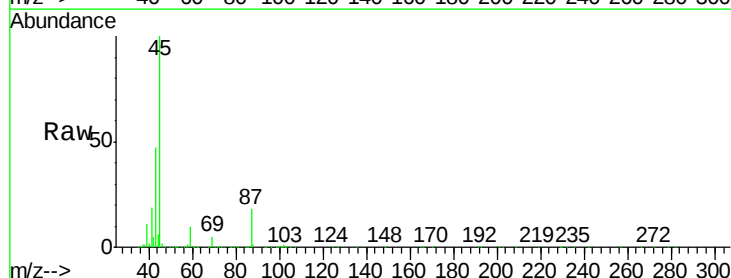
Ion Ratio Lower Upper

45 100

43 46.9 37.4 56.0

87 18.3 14.6 22.0

59 9.8 8.5 12.7

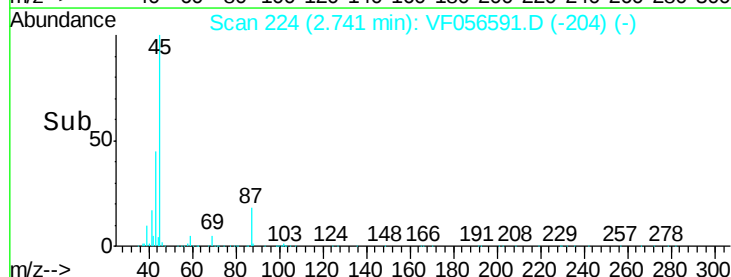
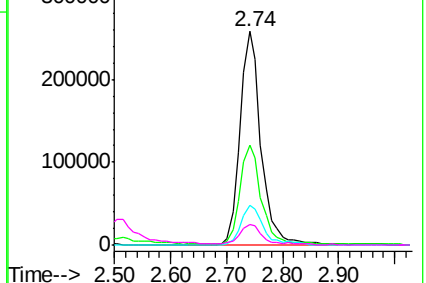


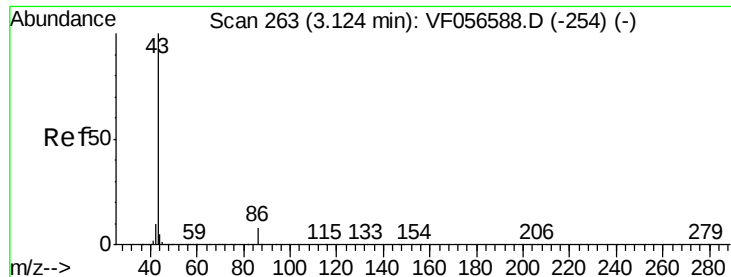
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 263.89 ug/l

RT: 3.12 min Scan# 262

Delta R.T. -0.01 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

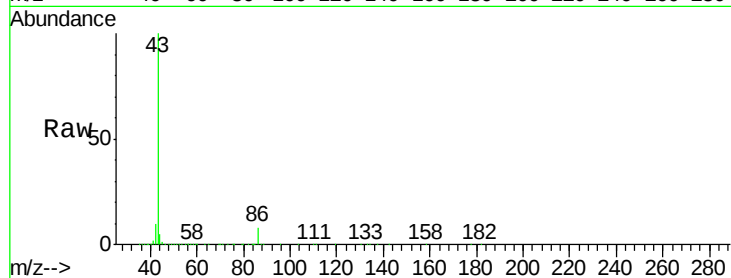
BFB

Tgt Ion: 43 Resp: 2689781

Ion Ratio Lower Upper

43 100

86 7.6 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

1200000

1000000

800000

600000

400000

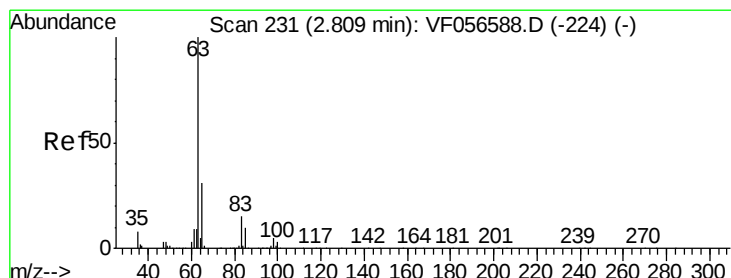
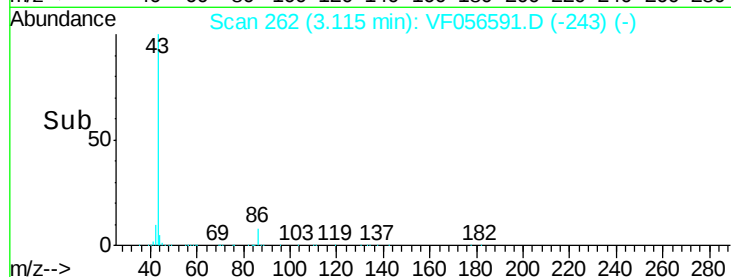
200000

0

3.12

Time-->

3.00 3.10 3.20 3.30



#24

1,1-Dichloroethane

Concen: 54.09 ug/l

RT: 2.81 min Scan# 231

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

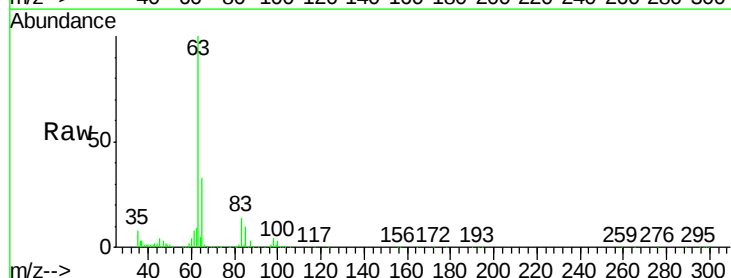
Tgt Ion: 63 Resp: 374301

Ion Ratio Lower Upper

63 100

98 4.3 2.3 6.8

100 3.3 1.6 4.7



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

200000

150000

100000

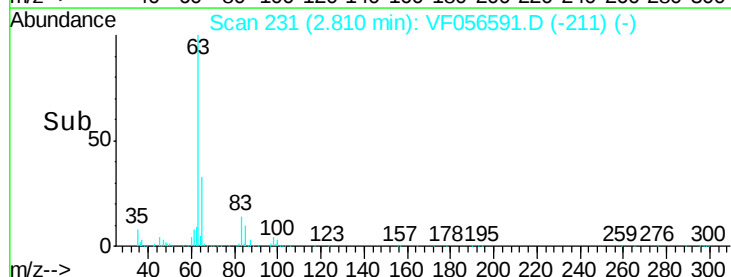
50000

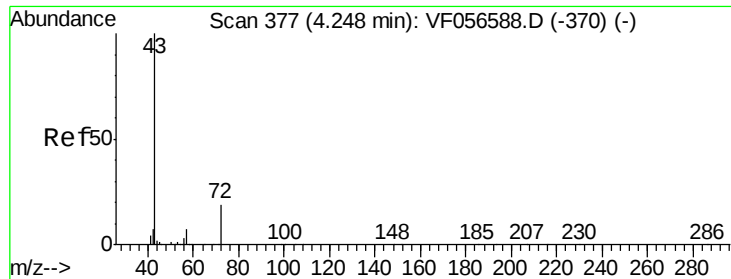
0

2.81

Time-->

2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 266.59 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampled :

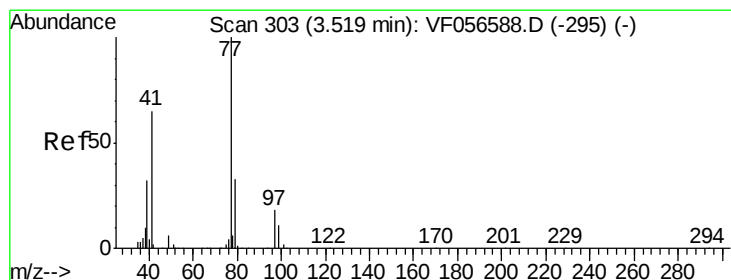
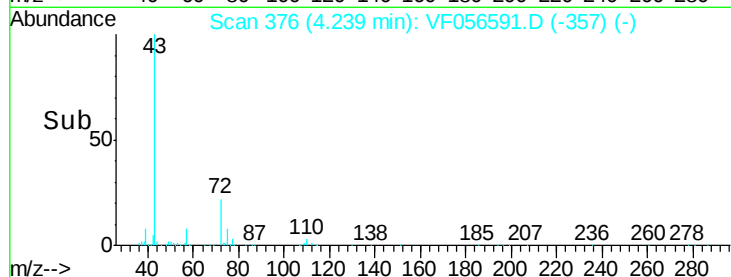
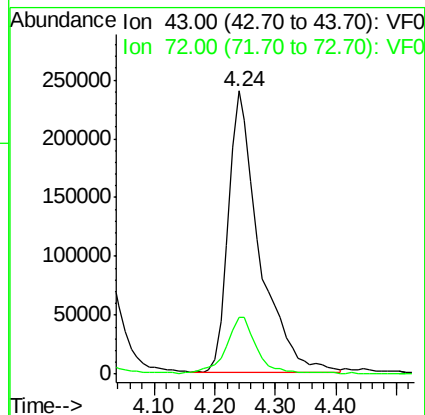
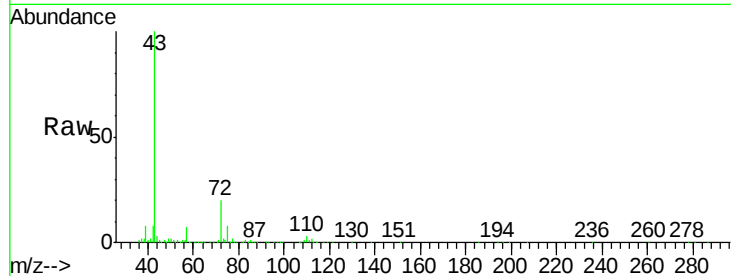
BFB

Tgt Ion: 43 Resp: 843697

Ion Ratio Lower Upper

43 100

72 19.9 16.5 24.7



#26

2,2-Dichloropropane

Concen: 54.60 ug/l

RT: 3.52 min Scan# 303

Delta R.T. 0.00 min

Lab File: VF056591.D

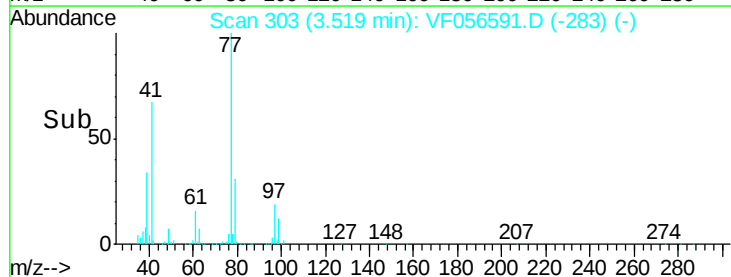
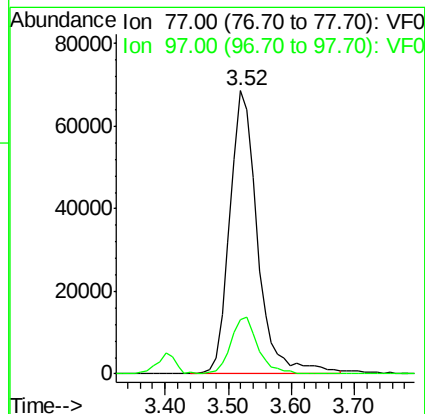
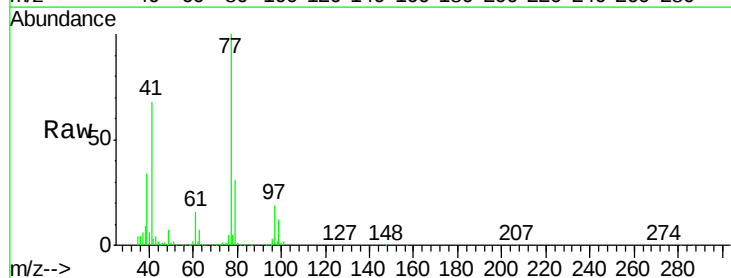
Acq: 20 Feb 2018 19:44

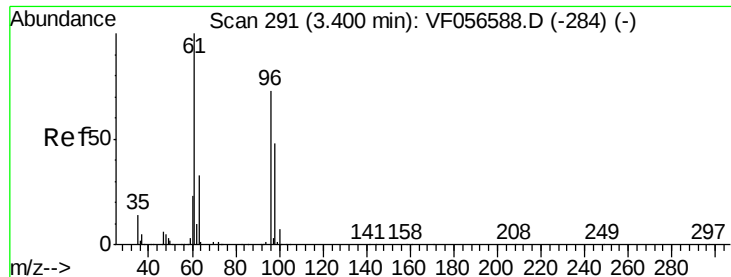
Tgt Ion: 77 Resp: 209086

Ion Ratio Lower Upper

77 100

97 19.4 9.8 29.5



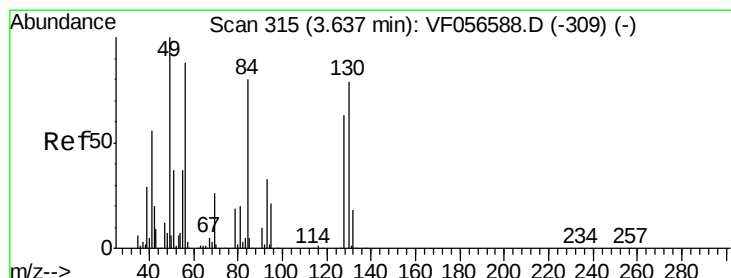
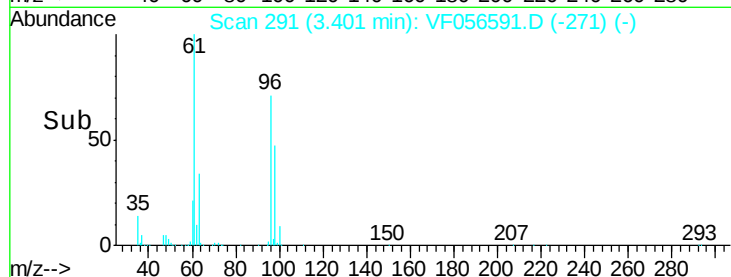
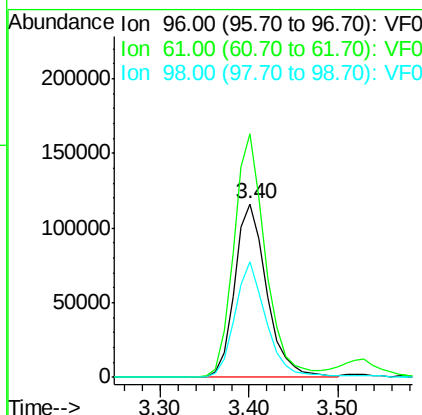
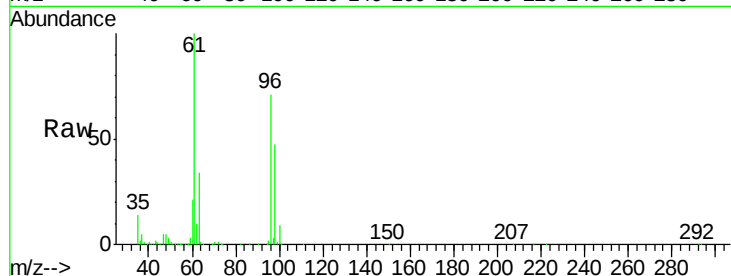


#27

cis-1,2-Dichloroethene
Concen: 51.01 ug/l
RT: 3.40 min Scan# 291
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

Instrument :
MSVOA_X
ClientSampled :
BFB

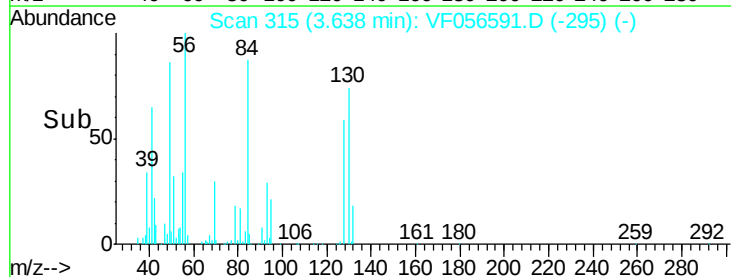
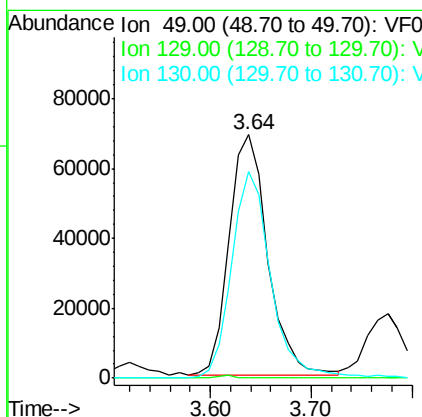
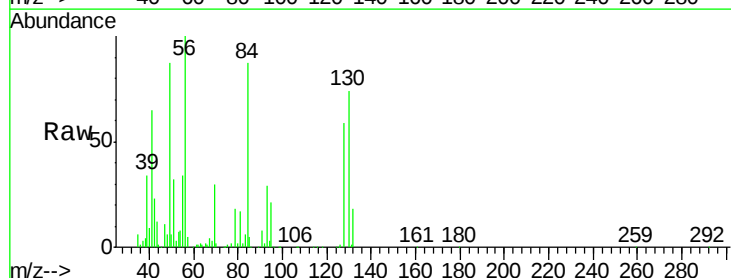
Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	272.6
98	66.2	0.0	131.6

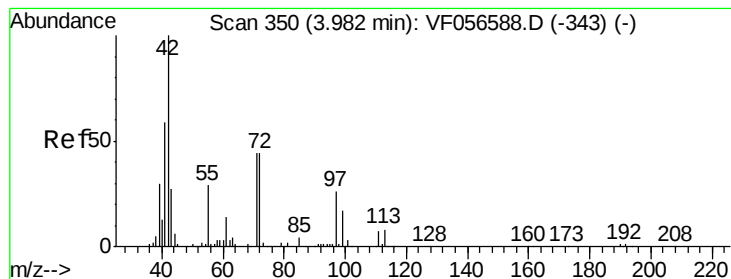


#28

Bromochloromethane
Concen: 53.15 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	84.8	63.4	95.0





#29

Tetrahydrofuran

Concen: 254.56 ug/l

RT: 3.98 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

BFB

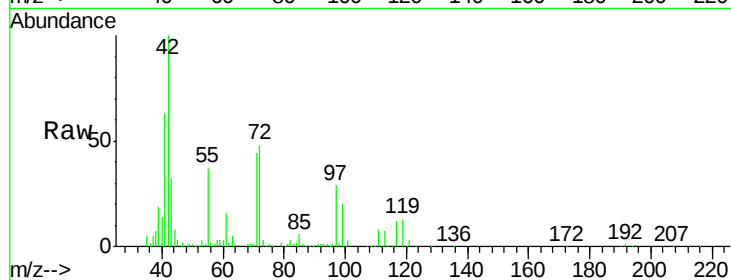
Tgt Ion: 42 Resp: 373027

Ion Ratio Lower Upper

42 100

72 45.1 34.1 51.1

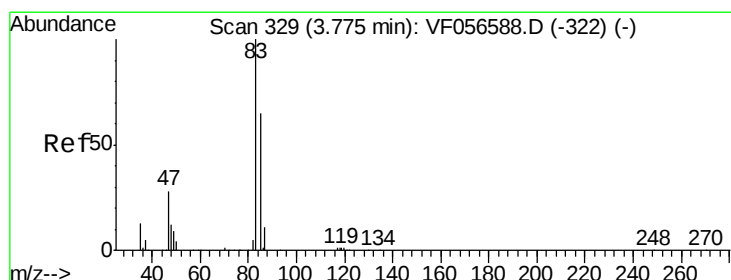
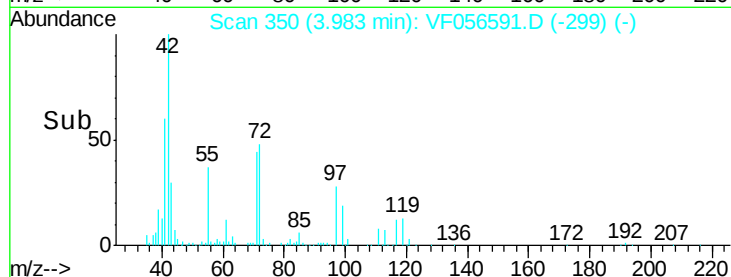
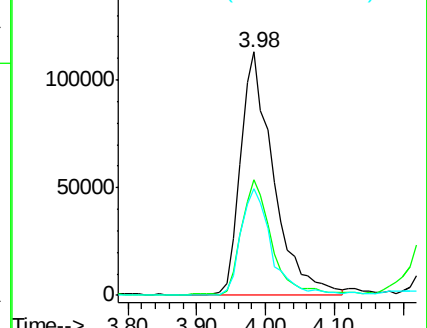
71 40.6 32.8 49.2



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 49.79 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF056591.D

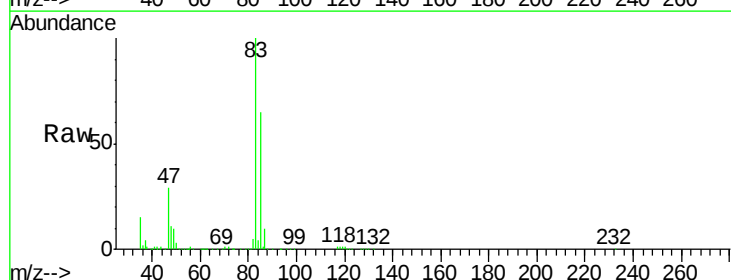
Acq: 20 Feb 2018 19:44

Tgt Ion: 83 Resp: 493059

Ion Ratio Lower Upper

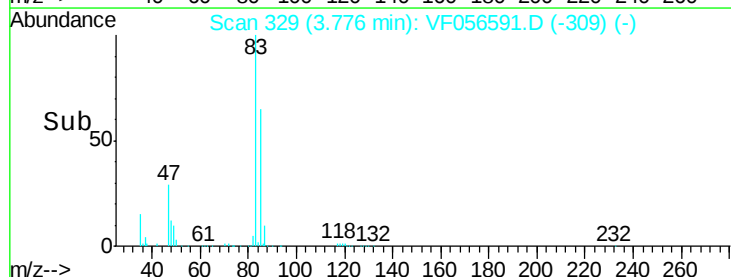
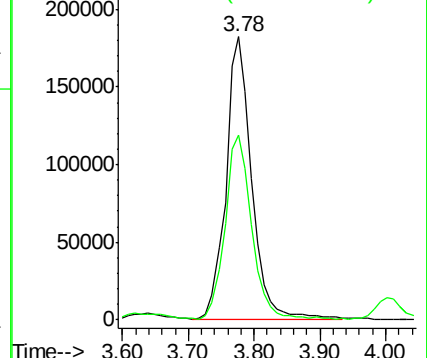
83 100

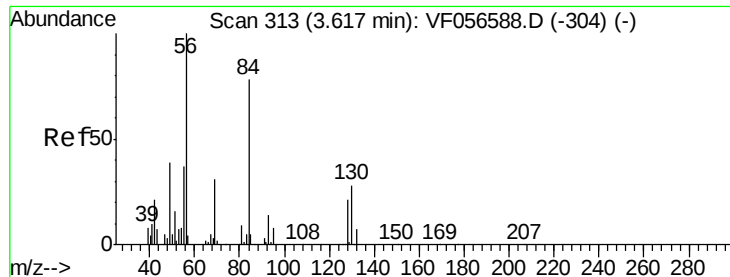
85 65.2 52.1 78.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

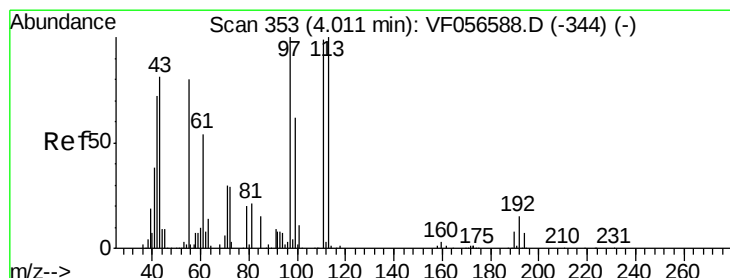
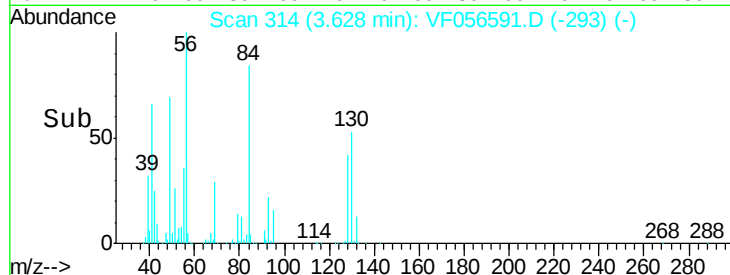
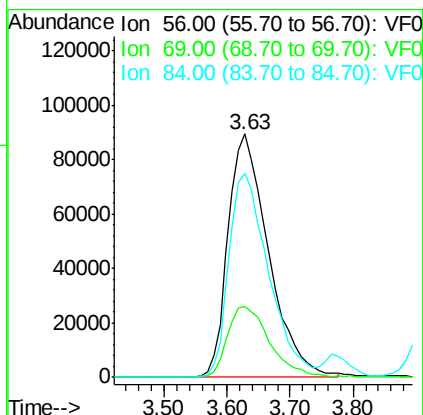
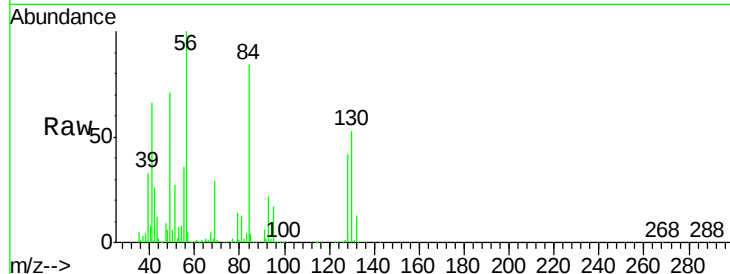




#31
Cyclohexane
Concen: 53.78 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

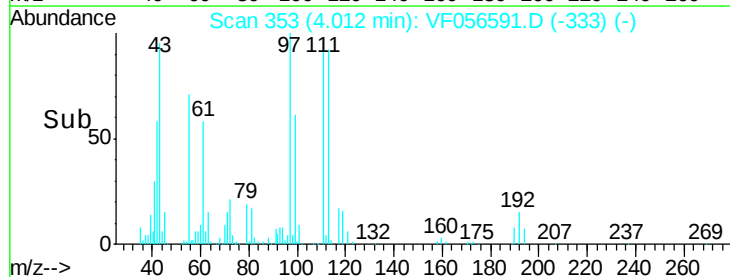
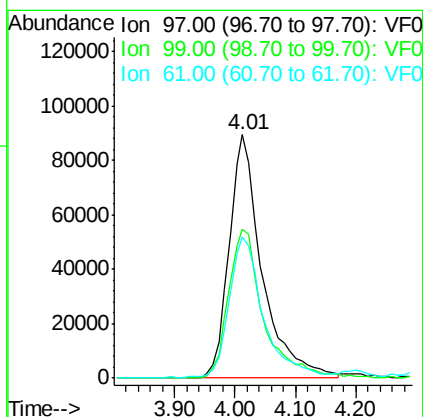
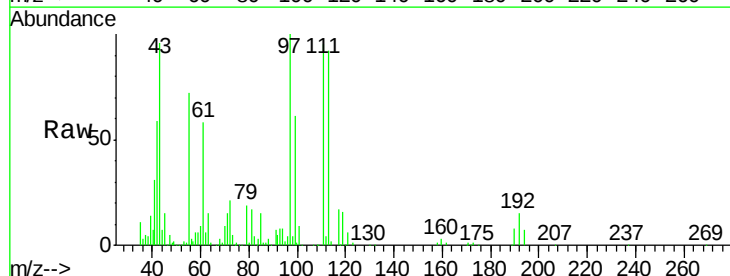
Instrument :
MSVOA_X
ClientSampleId :
BFB

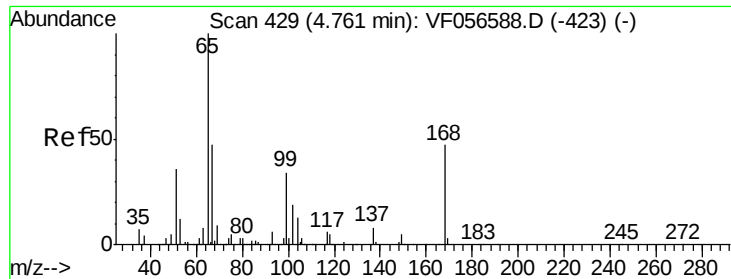
Tgt Ion: 56 Resp: 399730
Ion Ratio Lower Upper
56 100
69 28.9 24.7 37.1
84 83.8 62.9 94.3



#32
1,1,1-Trichloroethane
Concen: 56.39 ug/l
RT: 4.01 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

Tgt Ion: 97 Resp: 338340
Ion Ratio Lower Upper
97 100
99 61.2 49.4 74.2
61 58.0 43.9 65.9

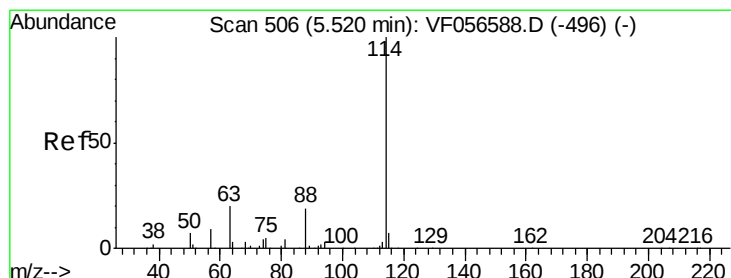
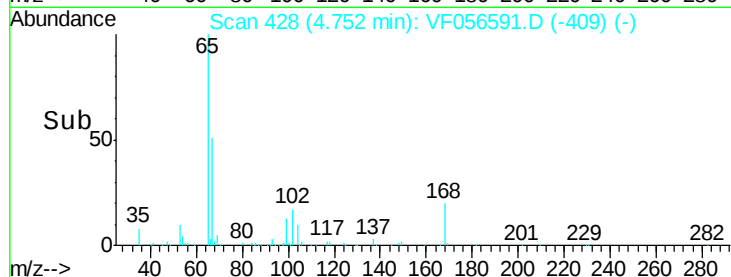
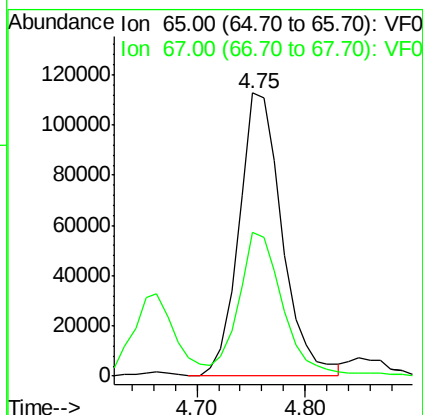
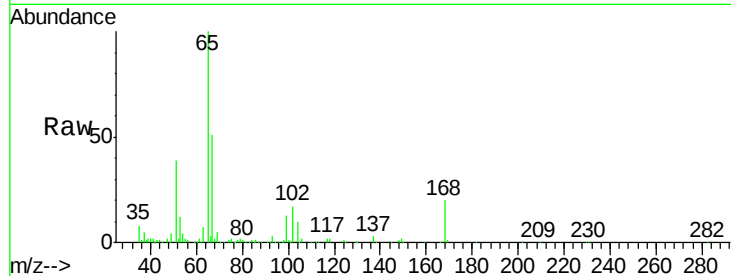




#33
 1,2-Dichloroethane-d4
 Concen: 51.21 ug/l
 RT: 4.75 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

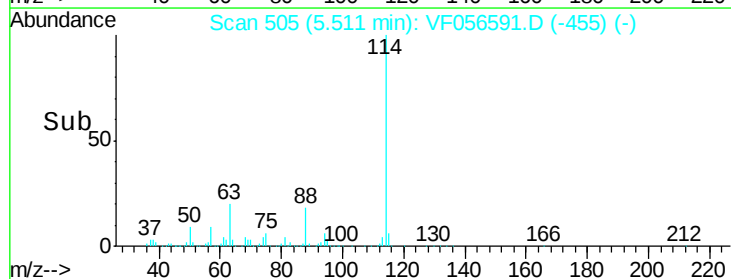
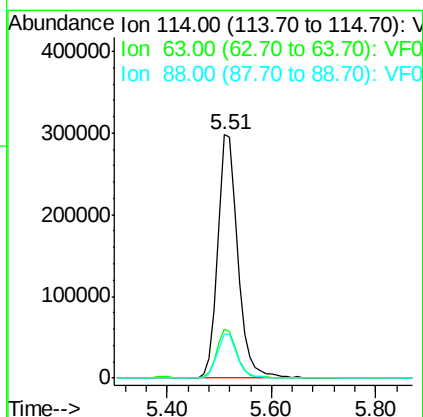
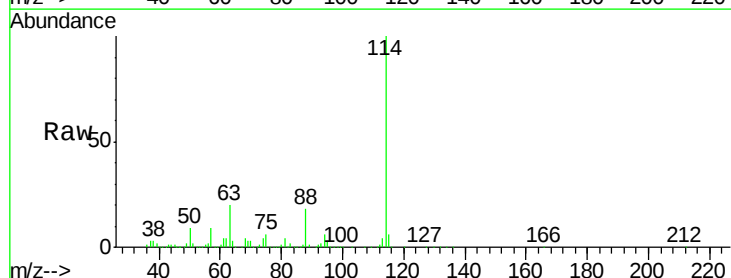
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

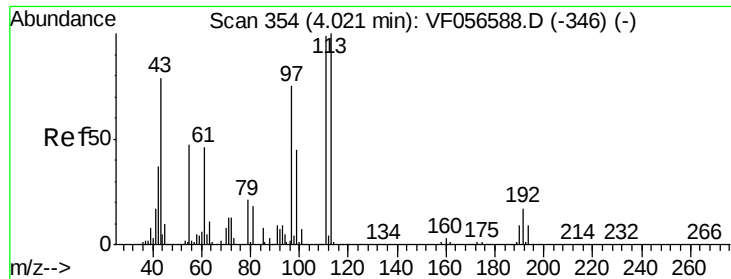
Tgt Ion: 65 Resp: 309706
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.51 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

Tgt Ion: 114 Resp: 802433
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.6
 88 18.3 0.0 37.8





#35

Dibromofluoromethane

Concen: 49.36 ug/l

RT: 4.02 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

BFB

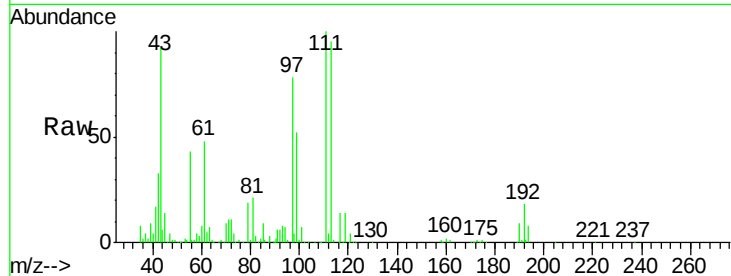
Tgt Ion: 113 Resp: 297892

Ion Ratio Lower Upper

113 100

111 105.2 79.1 118.7

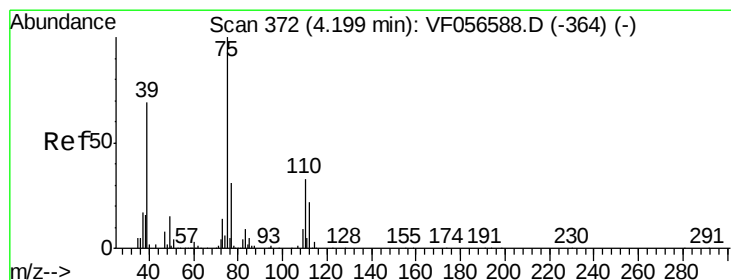
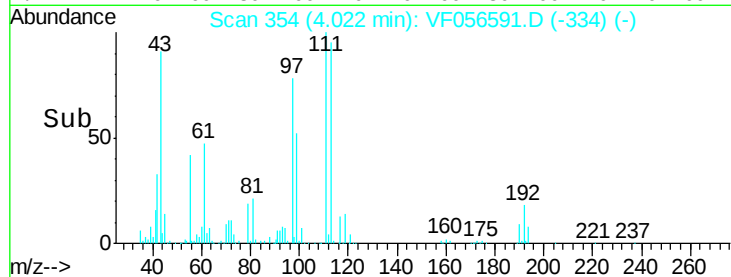
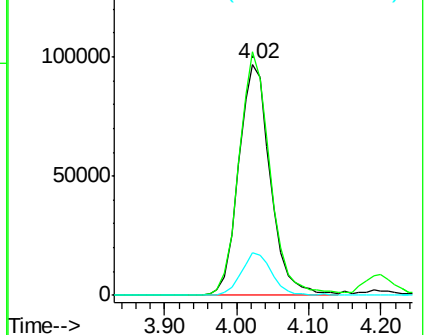
192 18.6 13.9 20.9



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: 50.65 ug/l

RT: 4.20 min Scan# 372

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

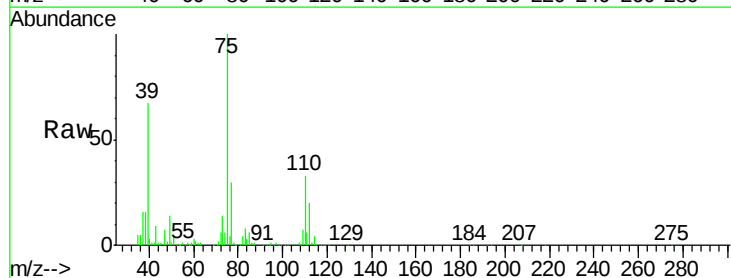
Tgt Ion: 75 Resp: 382725

Ion Ratio Lower Upper

75 100

110 33.2 16.6 49.7

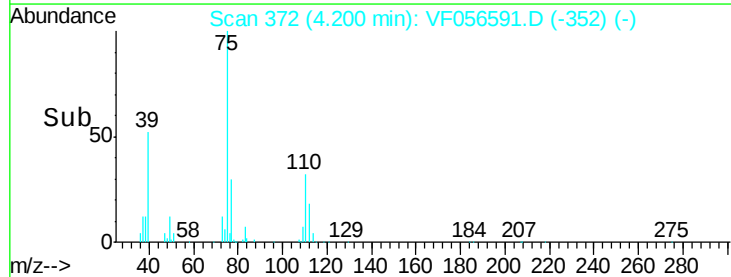
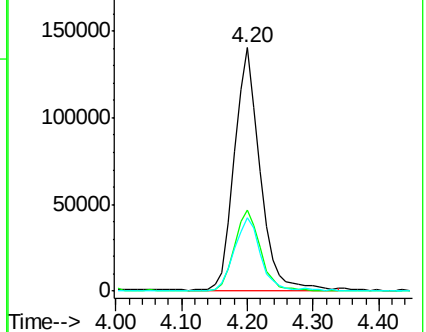
77 30.0 24.5 36.7

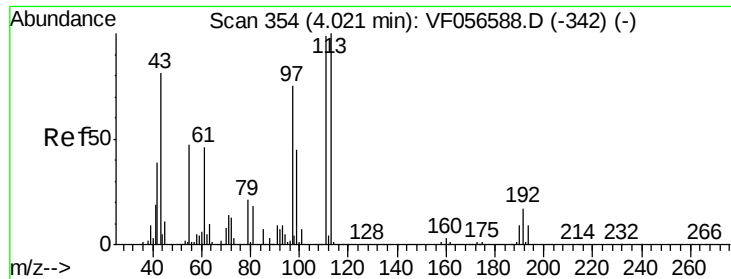


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

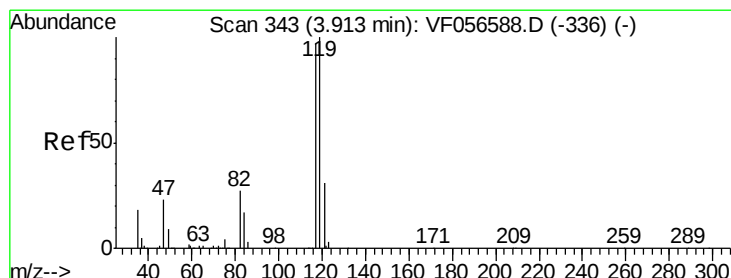
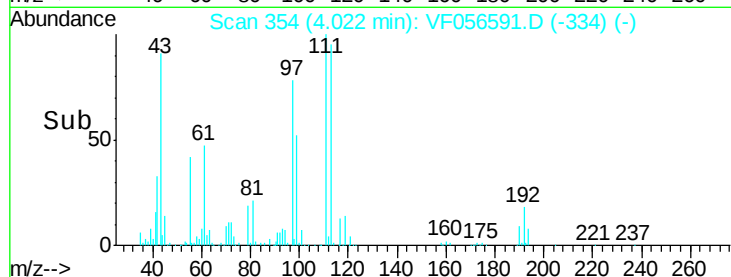
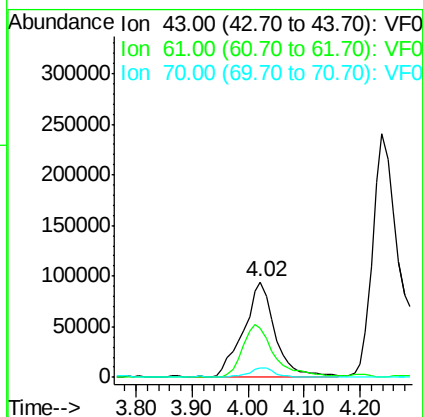
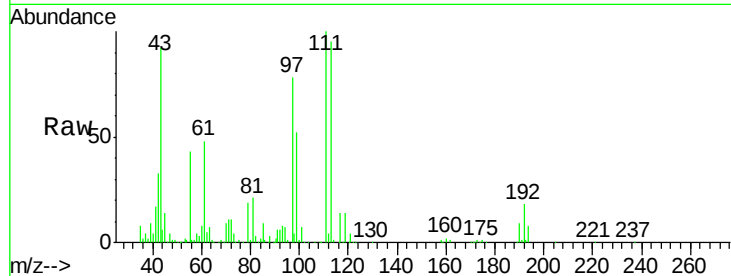




#37
Ethyl Acetate
Concen: 53.86 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

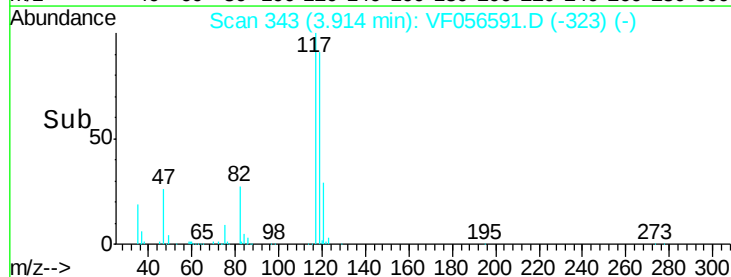
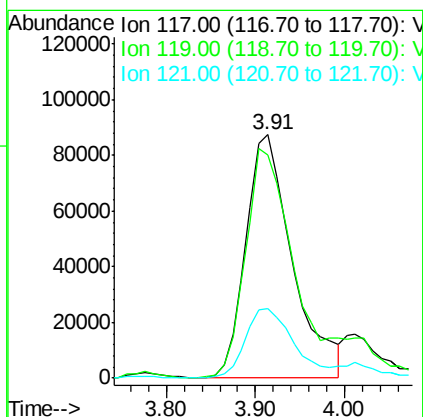
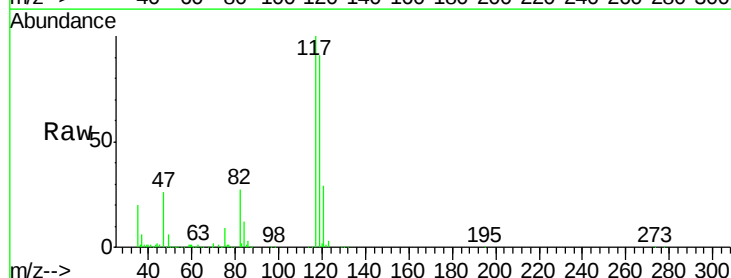
Instrument :
MSVOA_X
ClientSampleId :
BFB

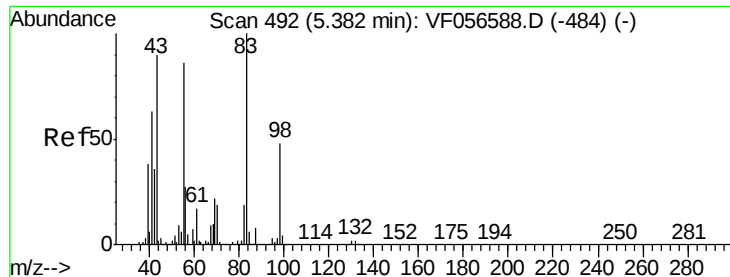
Tgt Ion: 43 Resp: 363882
Ion Ratio Lower Upper
43 100
61 51.6 45.4 68.2
70 9.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 56.44 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

Tgt Ion: 117 Resp: 317447
Ion Ratio Lower Upper
117 100
119 91.4 82.2 123.4
121 28.6 25.8 38.6

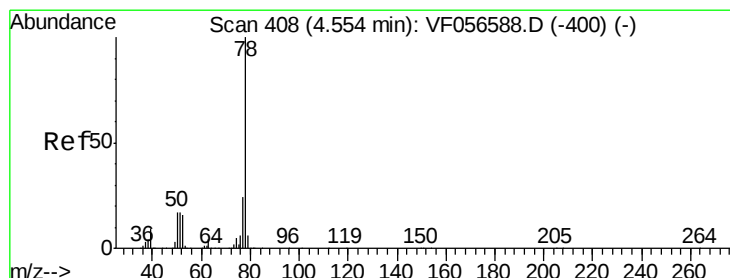
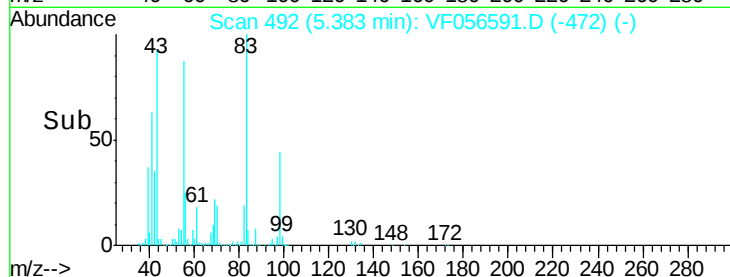
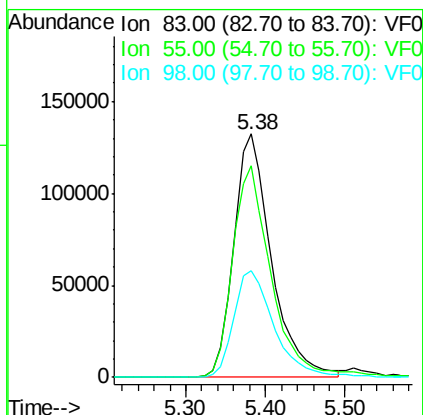
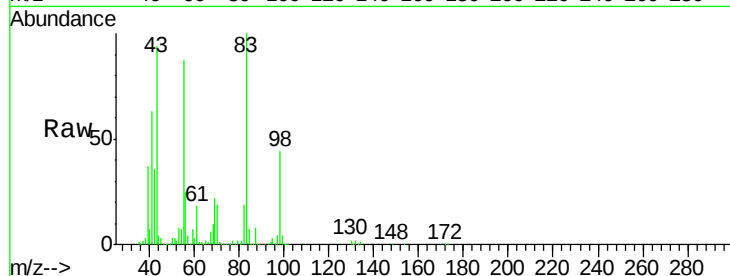




#39
Methylcyclohexane
Concen: 53.27 ug/l
RT: 5.38 min Scan# 492
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

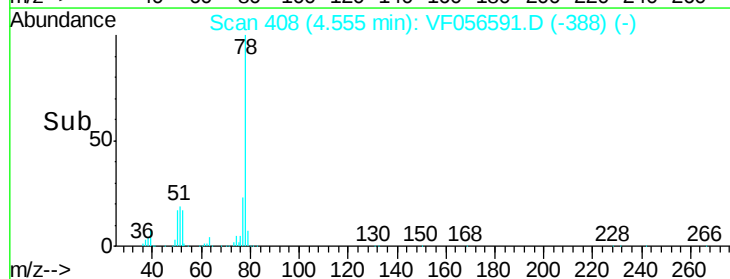
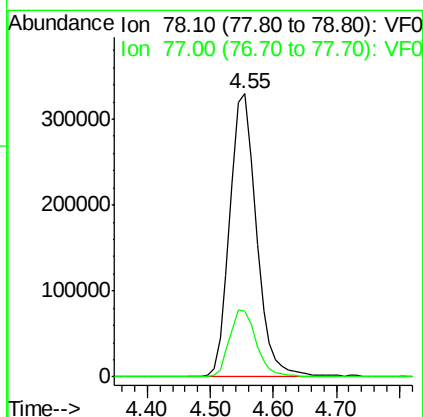
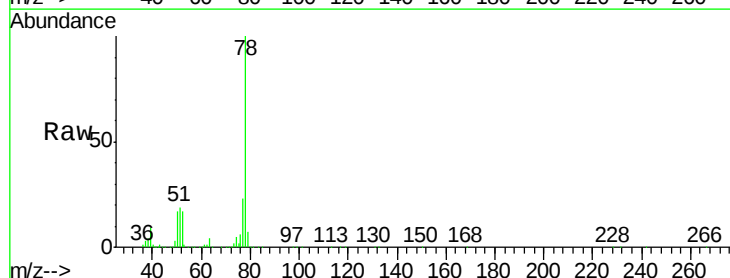
Instrument :
MSVOA_X
ClientSampleId :
BFB

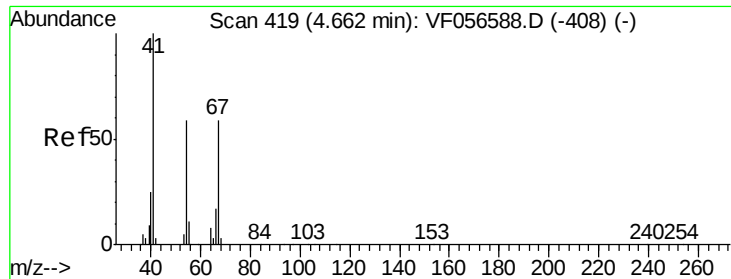
Tgt Ion: 83 Resp: 435304
Ion Ratio Lower Upper
83 100
55 87.1 68.7 103.1
98 44.0 38.0 57.0



#40
Benzene
Concen: 50.60 ug/l
RT: 4.55 min Scan# 408
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

Tgt Ion: 78 Resp: 969565
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6





#41

Methacrylonitrile

Concen: 51.27 ug/l

RT: 4.66 min Scan# 419

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

BFB

Tgt Ion: 41 Resp: 168132

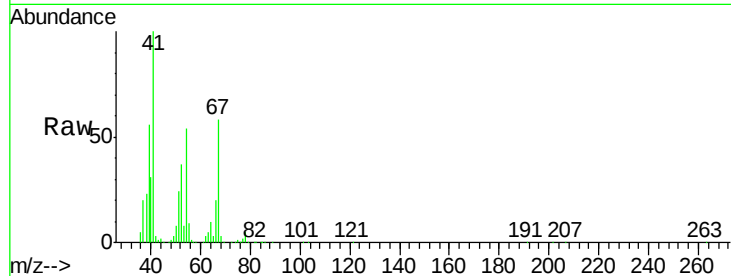
Ion Ratio Lower Upper

41 100

39 56.2 48.2 72.4

67 58.5 46.9 70.3

52 36.9 32.6 48.8

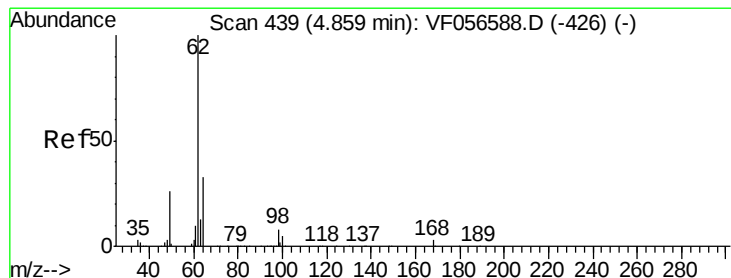
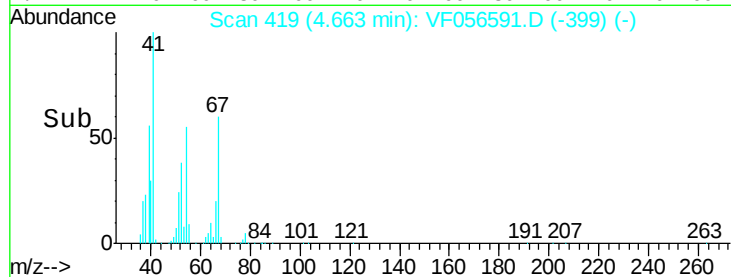
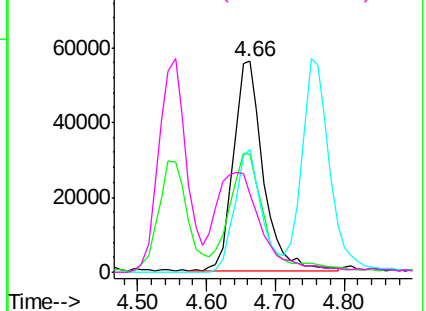


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 52.71 ug/l

RT: 4.86 min Scan# 439

Delta R.T. 0.00 min

Lab File: VF056591.D

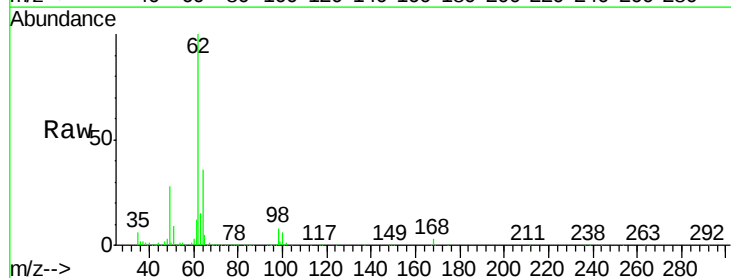
Acq: 20 Feb 2018 19:44

Tgt Ion: 62 Resp: 392571

Ion Ratio Lower Upper

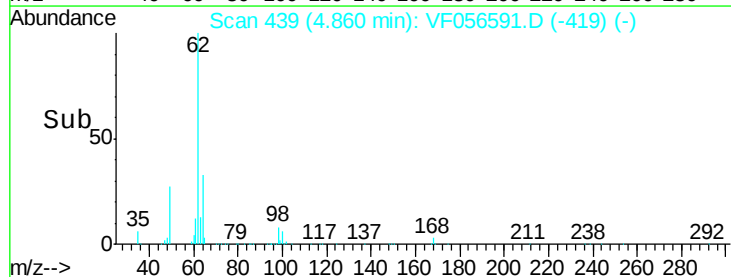
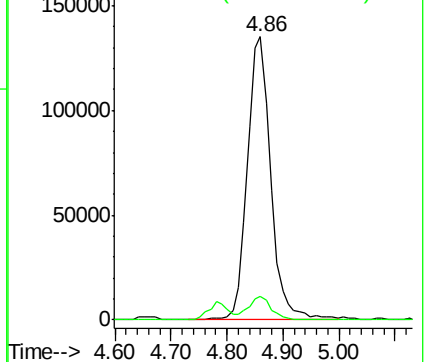
62 100

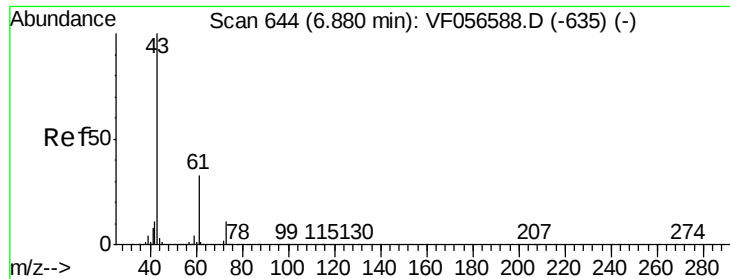
98 8.2 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



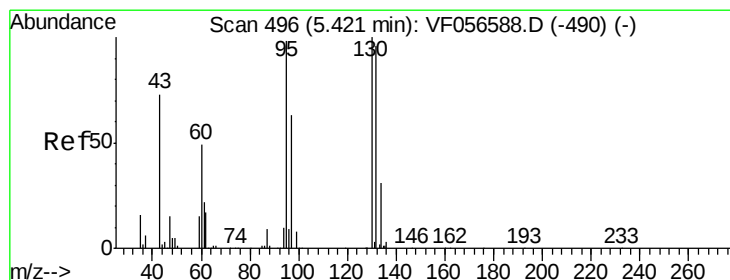
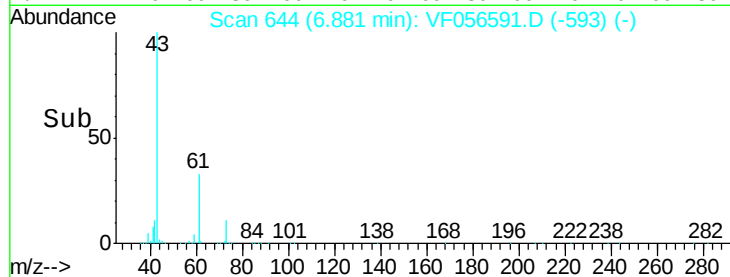
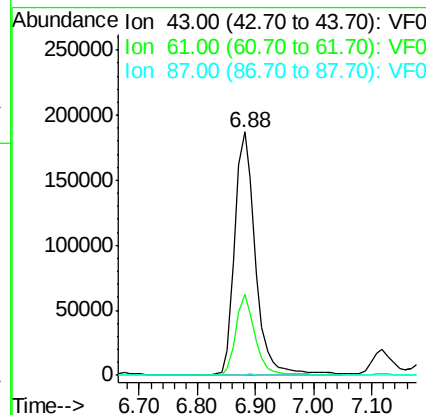
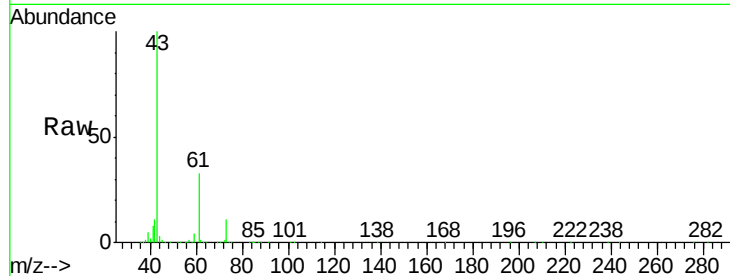


#43

Isopropyl Acetate
 Concen: 55.85 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

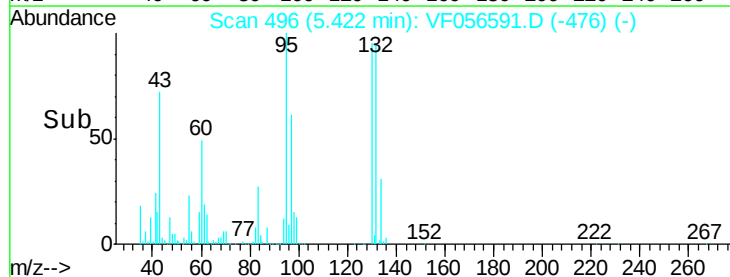
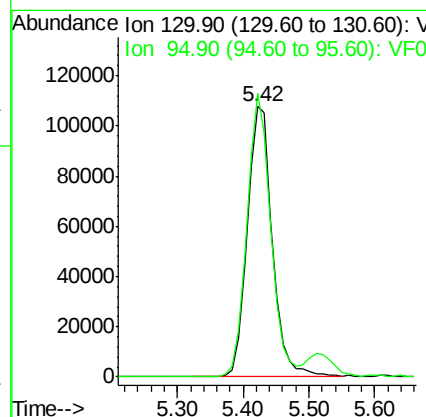
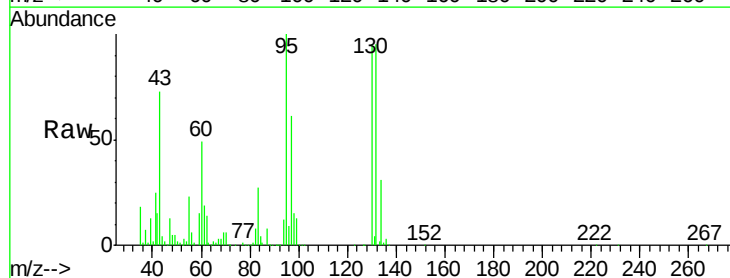
Tgt Ion: 43 Resp: 462542
 Ion Ratio Lower Upper
 43 100
 61 33.1 26.5 39.7
 87 0.4 0.2 0.4#

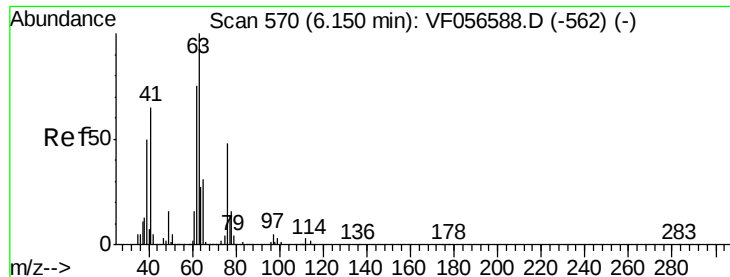


#44

Trichloroethene
 Concen: 51.34 ug/l
 RT: 5.42 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

Tgt Ion: 130 Resp: 288637
 Ion Ratio Lower Upper
 130 100
 95 104.7 0.0 195.8





#45

1,2-Dichloropropane

Concen: 51.31 ug/l

RT: 6.15 min Scan# 570

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

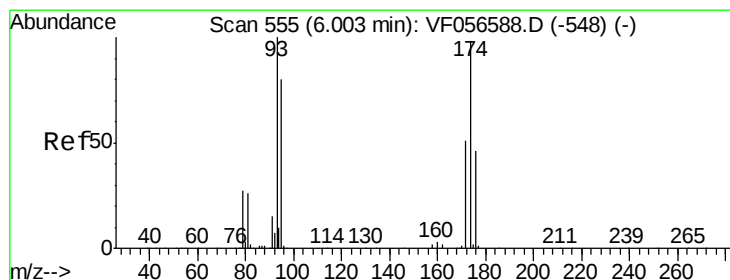
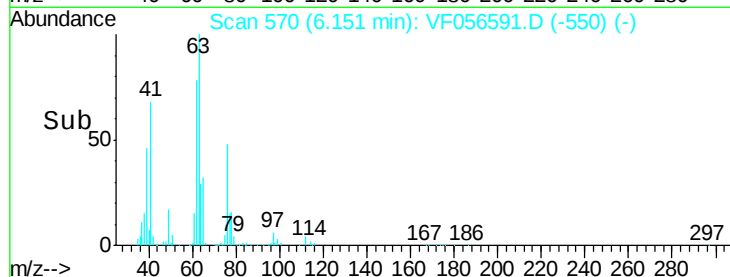
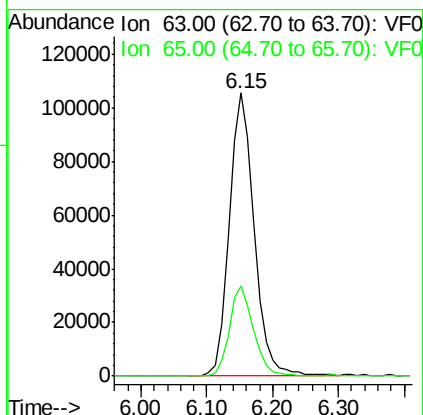
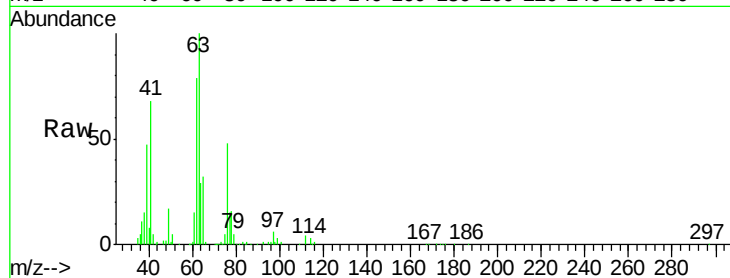
BFB

Tgt Ion: 63 Resp: 280106

Ion Ratio Lower Upper

63 100

65 31.6 25.2 37.8



#46

Dibromomethane

Concen: 51.63 ug/l

RT: 6.00 min Scan# 555

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

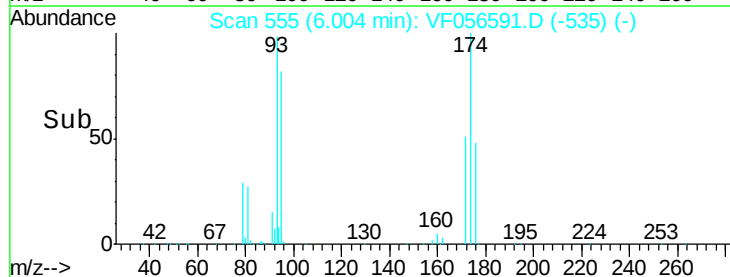
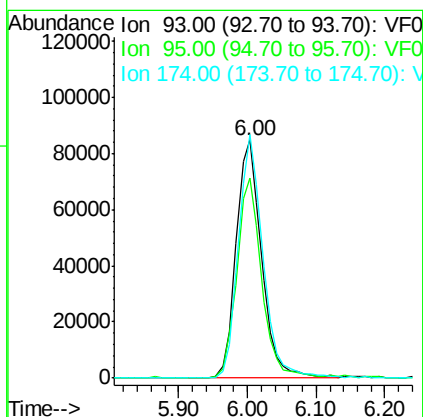
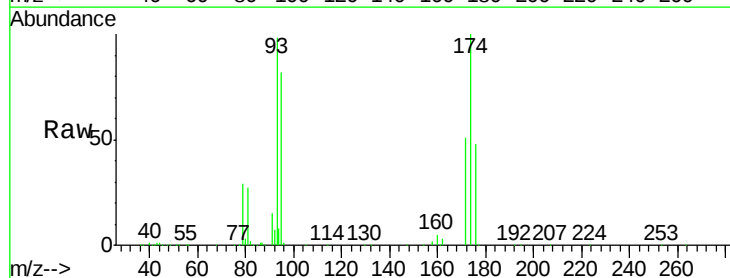
Tgt Ion: 93 Resp: 216833

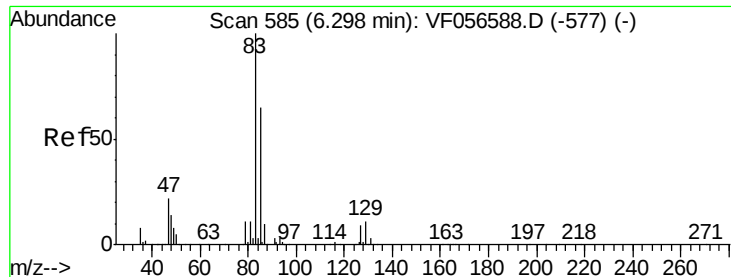
Ion Ratio Lower Upper

93 100

95 83.9 63.9 95.9

174 102.2 78.6 118.0





#47

Bromodichloromethane

Concen: 53.73 ug/l

RT: 6.30 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampled :

BFB

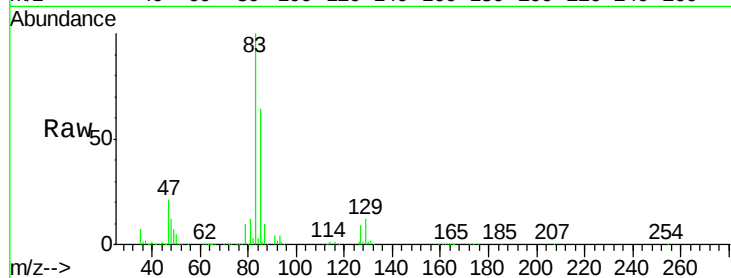
Tgt Ion: 83 Resp: 417058

Ion Ratio Lower Upper

83 100

85 63.8 52.1 78.1

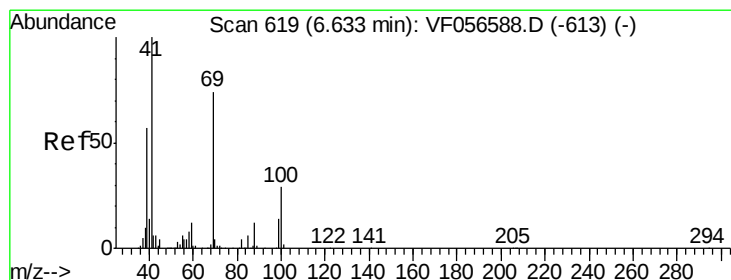
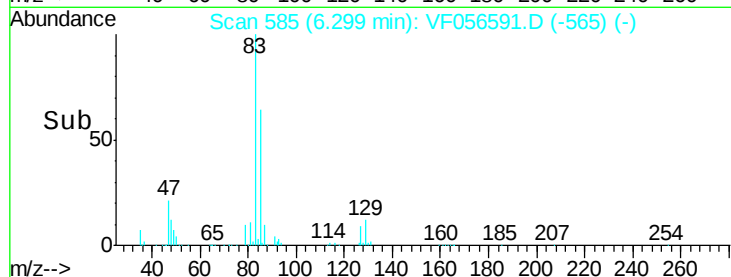
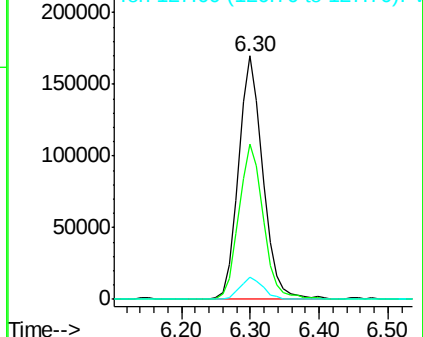
127 9.3 7.0 10.4



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: 55.85 ug/l

RT: 6.63 min Scan# 619

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

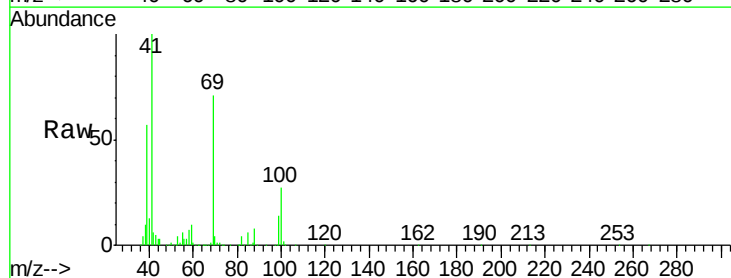
Tgt Ion: 41 Resp: 271055

Ion Ratio Lower Upper

41 100

69 70.7 58.8 88.2

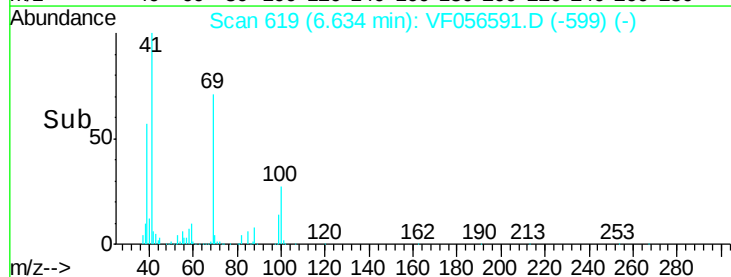
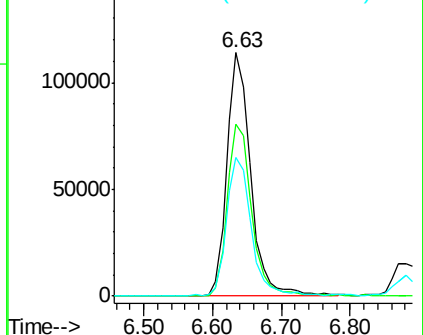
39 57.0 46.1 69.1

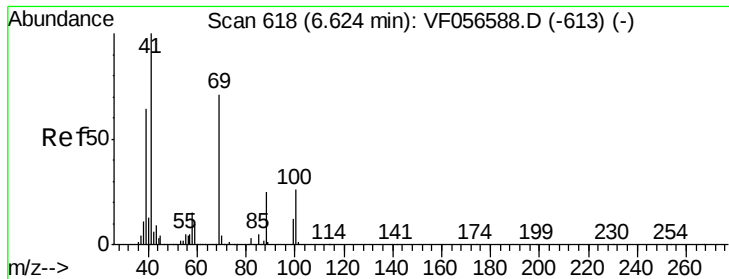


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1057.86 ug/l

RT: 6.61 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

BFB

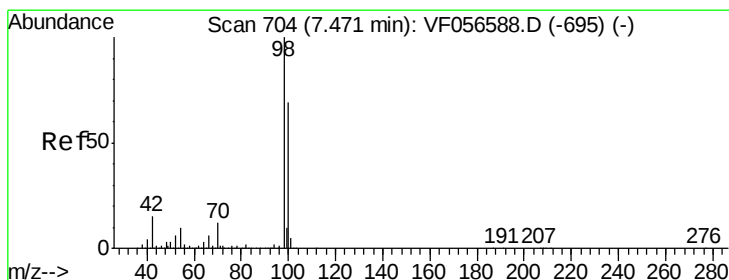
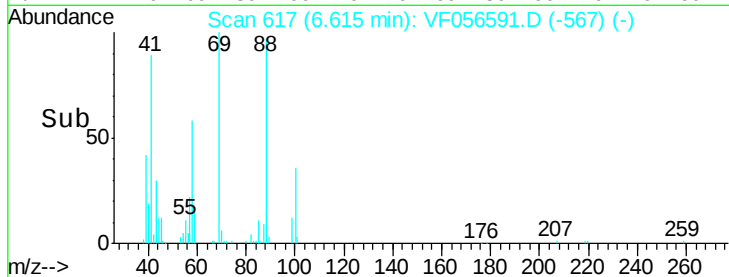
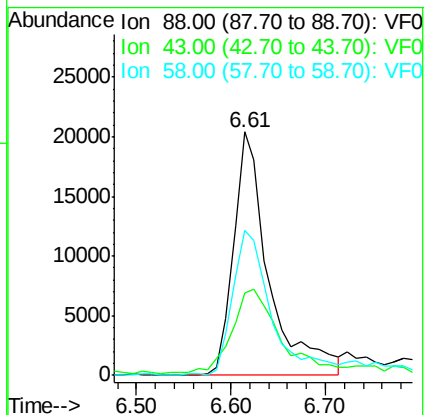
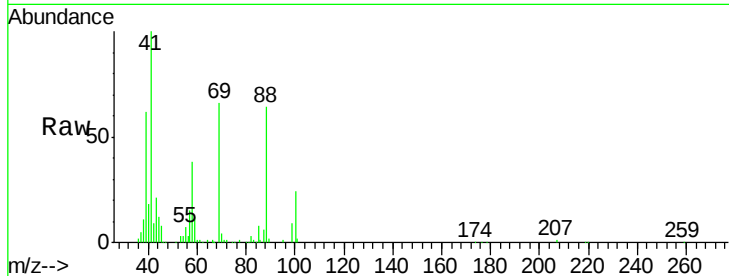
Tgt Ion: 88 Resp: 52923

Ion Ratio Lower Upper

88 100

43 33.6 30.8 46.2

58 59.5 49.8 74.6



#50

Toluene-d8

Concen: 49.96 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF056591.D

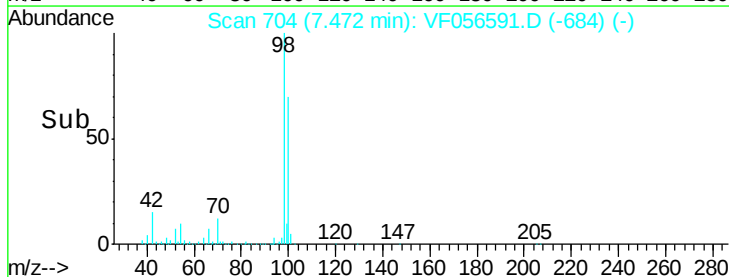
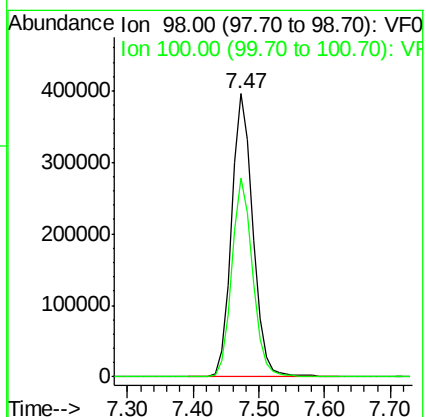
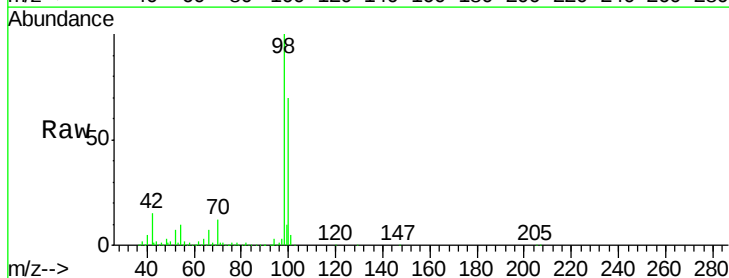
Acq: 20 Feb 2018 19:44

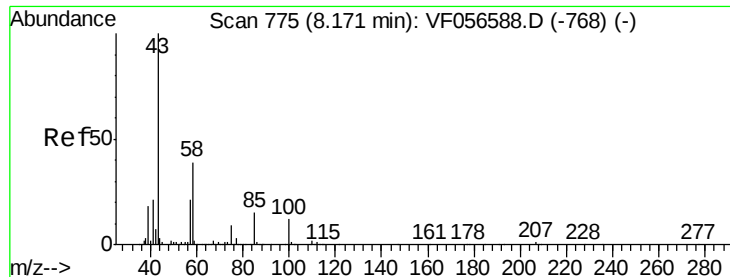
Tgt Ion: 98 Resp: 903776

Ion Ratio Lower Upper

98 100

100 70.3 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 267.20 ug/l

RT: 8.17 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

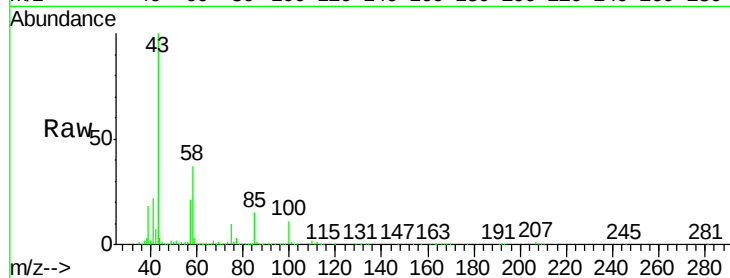
BFB

Tgt Ion: 43 Resp: 1513799

Ion Ratio Lower Upper

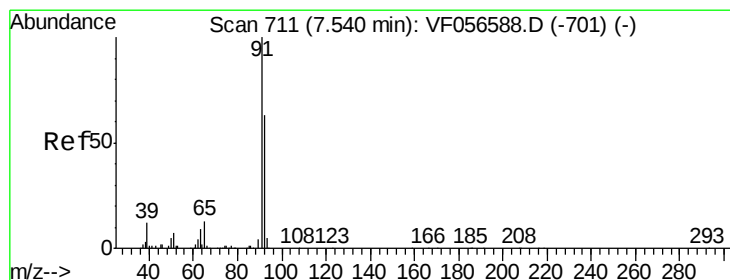
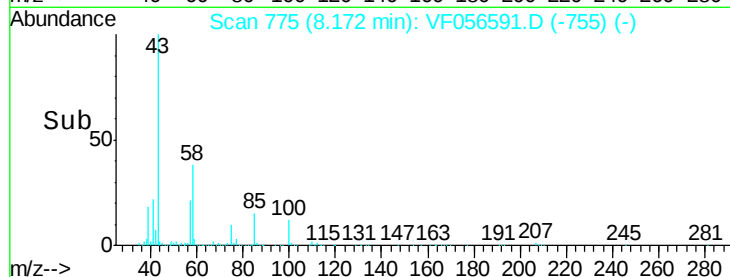
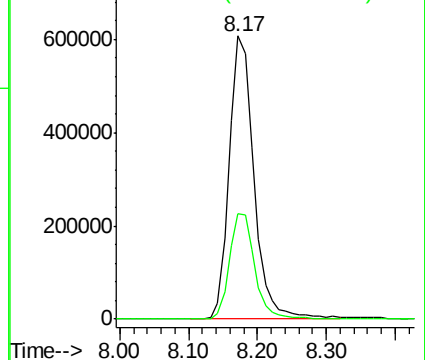
43 100

58 37.5 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.09 ug/l

RT: 7.54 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF056591.D

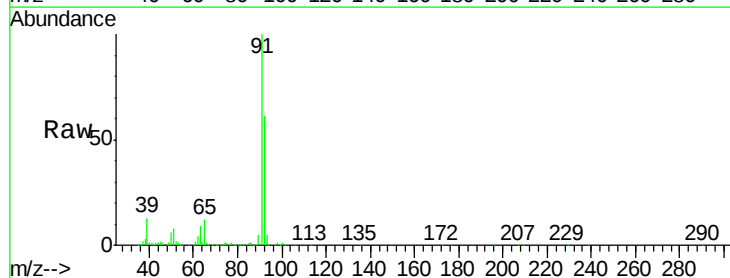
Acq: 20 Feb 2018 19:44

Tgt Ion: 92 Resp: 626418

Ion Ratio Lower Upper

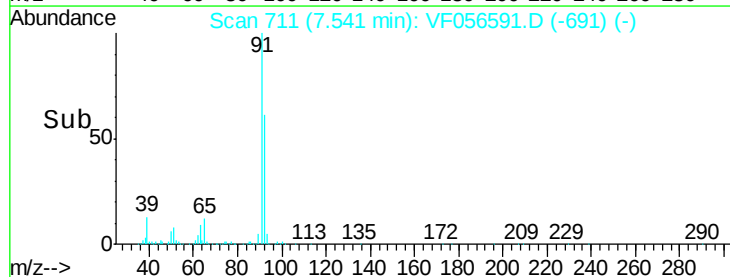
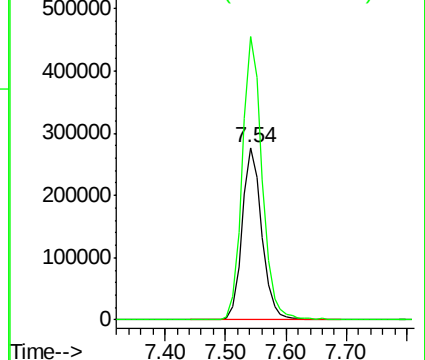
92 100

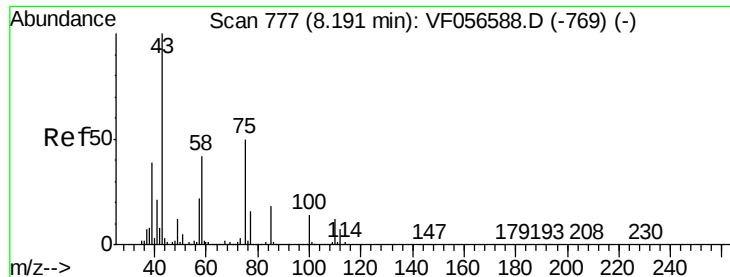
91 164.0 127.2 190.8



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: 51.80 ug/l

RT: 8.19 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

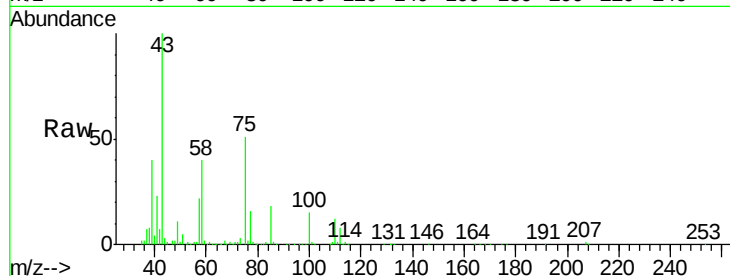
BFB

Tgt Ion: 75 Resp: 405000

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

200000

150000

100000

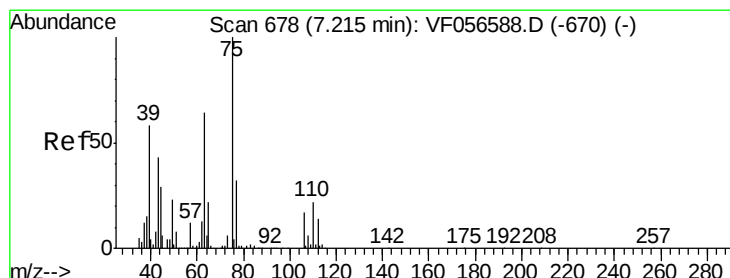
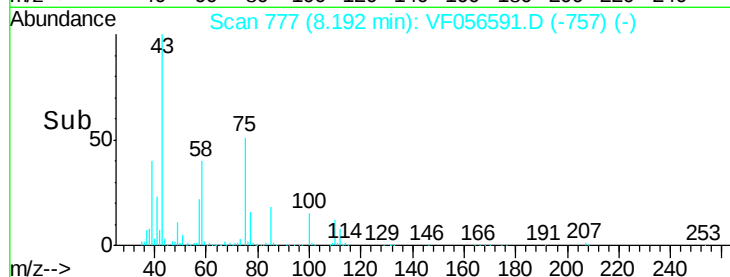
50000

0

8.19

8.00 8.10 8.20 8.30 8.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.42 ug/l

RT: 7.22 min Scan# 678

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

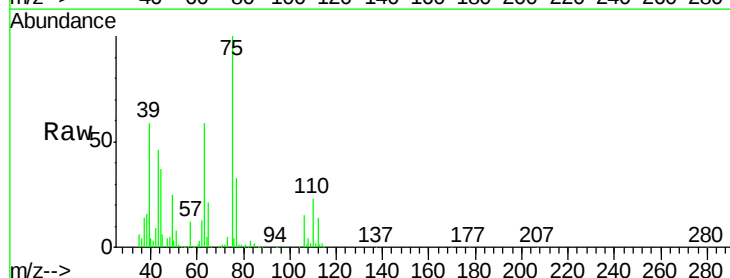
Tgt Ion: 75 Resp: 458699

Ion Ratio Lower Upper

75 100

77 33.1 25.7 38.5

39 59.3 47.0 70.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

250000

200000

150000

100000

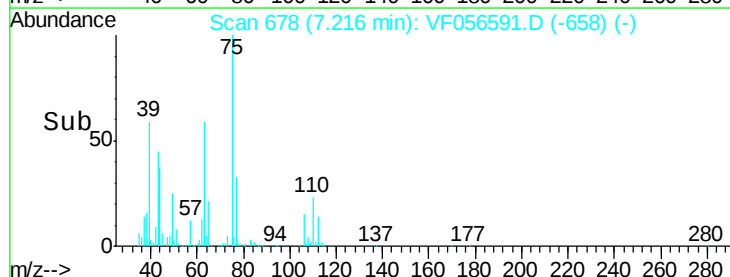
50000

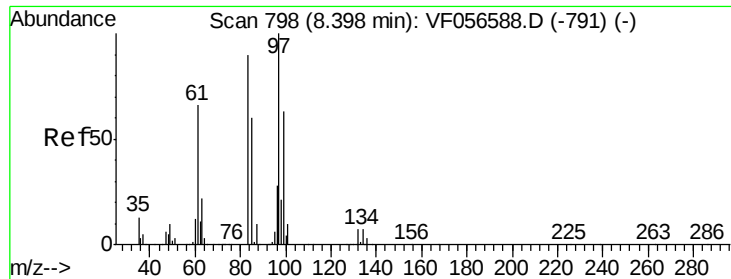
0

7.22

7.10 7.20 7.30 7.40

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.73 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 266530

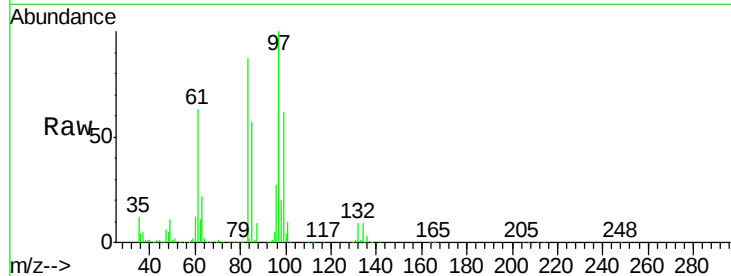
Ion Ratio Lower Upper

97 100

83 87.3 71.8 107.8

85 56.9 48.0 72.0

99 62.1 50.2 75.2

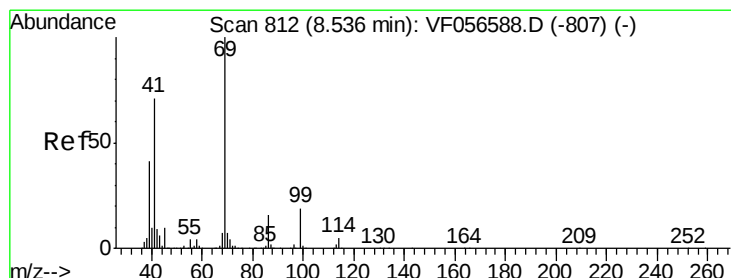
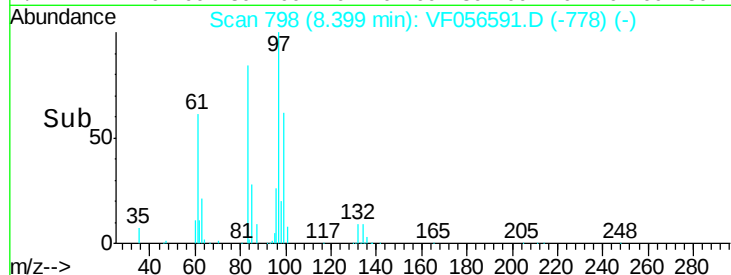
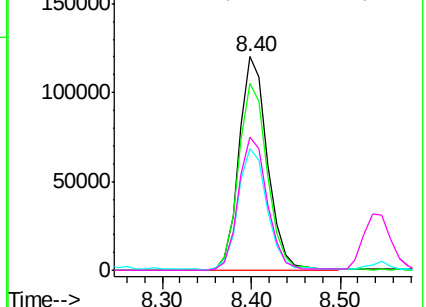


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 54.72 ug/l

RT: 8.54 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

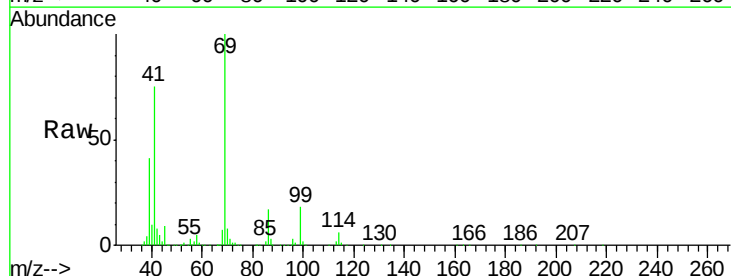
Tgt Ion: 69 Resp: 361252

Ion Ratio Lower Upper

69 100

41 74.7 57.2 85.8

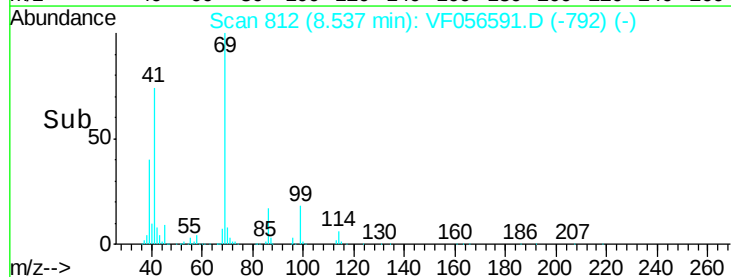
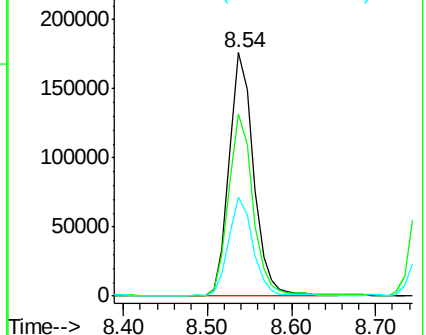
39 40.9 33.0 49.6

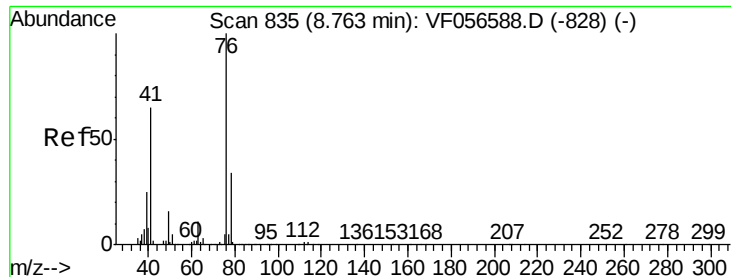


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 51.45 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

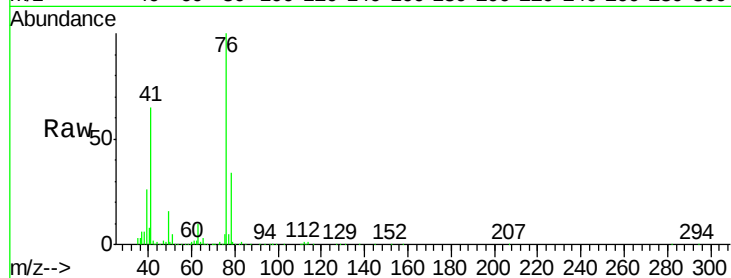
BFB

Tgt Ion: 76 Resp: 452281

Ion Ratio Lower Upper

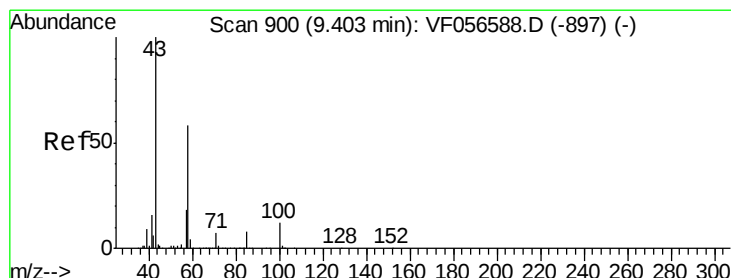
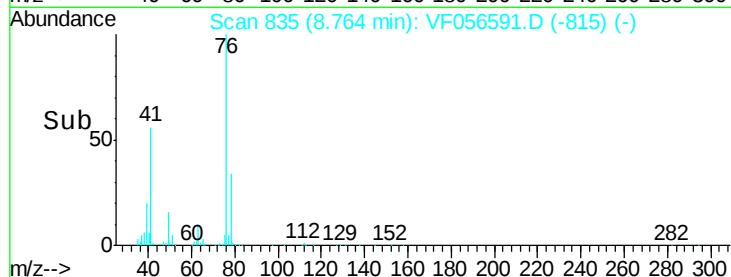
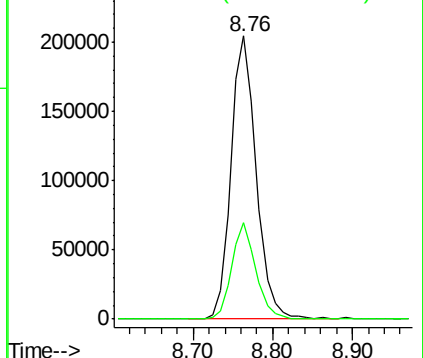
76 100

78 34.2 27.0 40.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#59

2-Hexanone

Concen: 266.00 ug/l

RT: 9.40 min Scan# 900

Delta R.T. 0.00 min

Lab File: VF056591.D

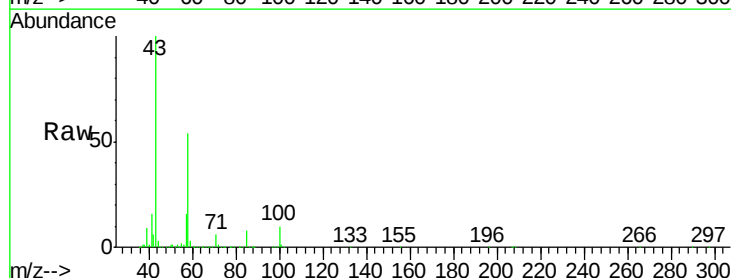
Acq: 20 Feb 2018 19:44

Tgt Ion: 43 Resp: 1223160

Ion Ratio Lower Upper

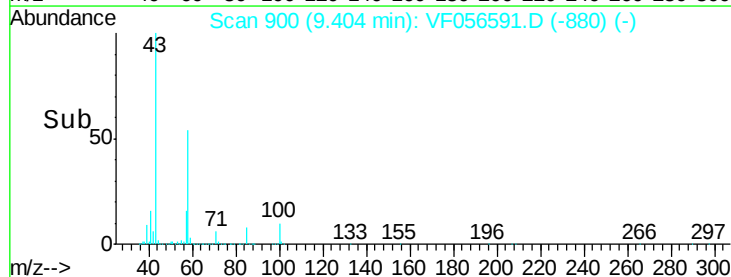
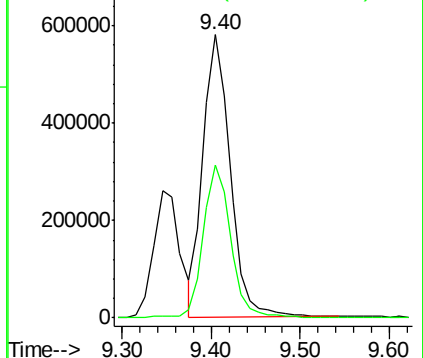
43 100

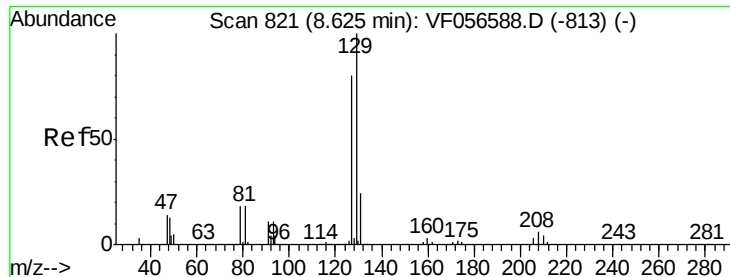
58 54.0 26.6 79.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#60

Dibromochloromethane

Concen: 53.12 ug/l

RT: 8.63 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

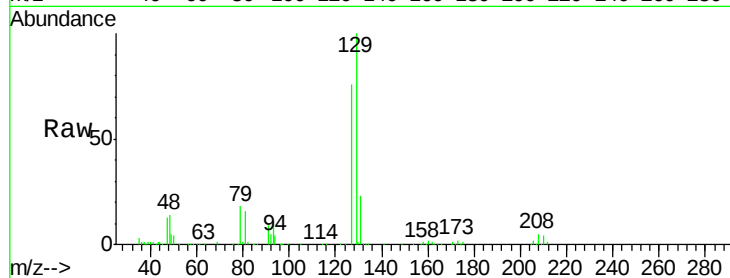
BFB

Tgt Ion:129 Resp: 325579

Ion Ratio Lower Upper

129 100

127 75.6 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.63

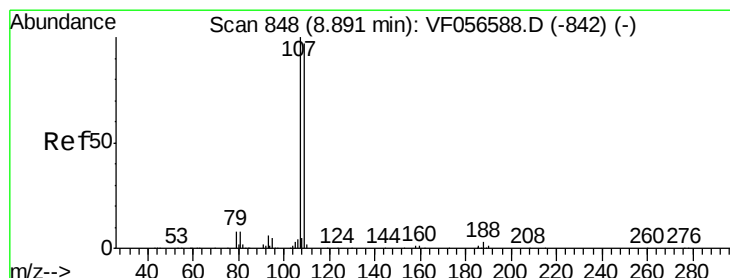
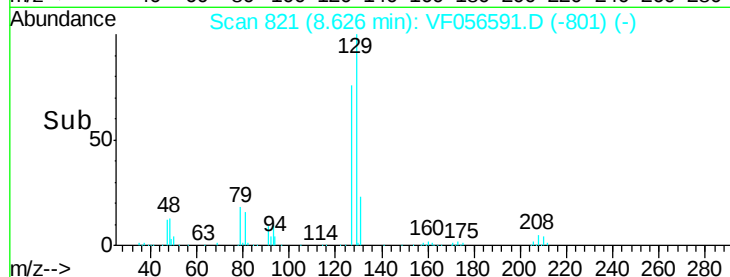
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 53.18 ug/l

RT: 8.89 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF056591.D

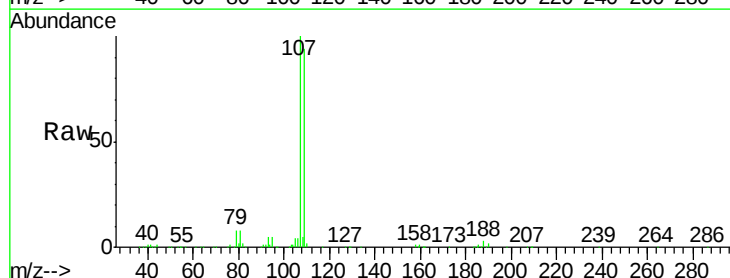
Acq: 20 Feb 2018 19:44

Tgt Ion:107 Resp: 311285

Ion Ratio Lower Upper

107 100

109 93.9 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.89

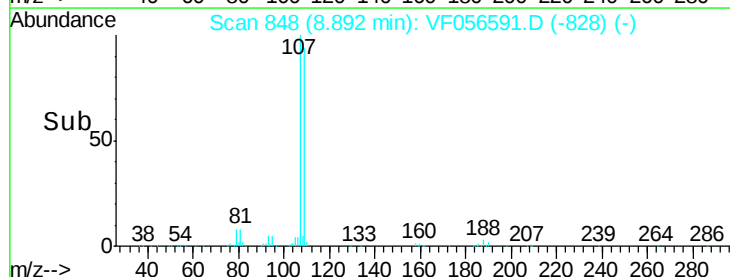
150000

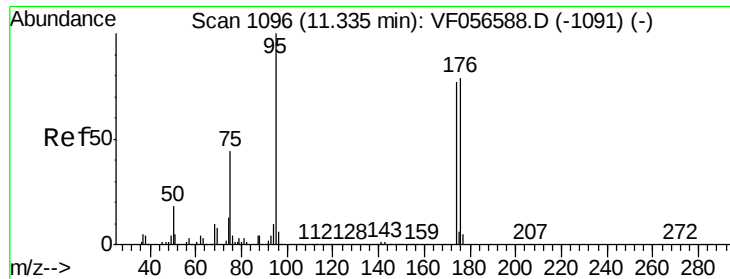
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 48.03 ug/l

RT: 11.34 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

BFB

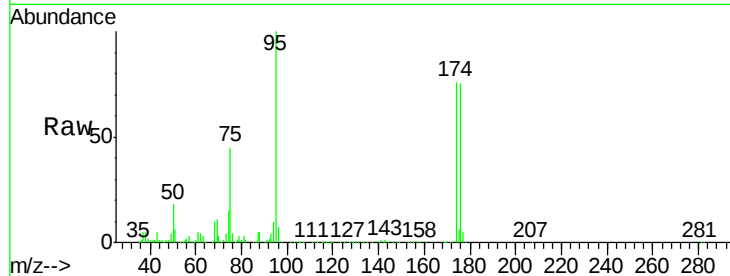
Tgt Ion: 95 Resp: 395223

Ion Ratio Lower Upper

95 100

174 76.3 0.0 154.2

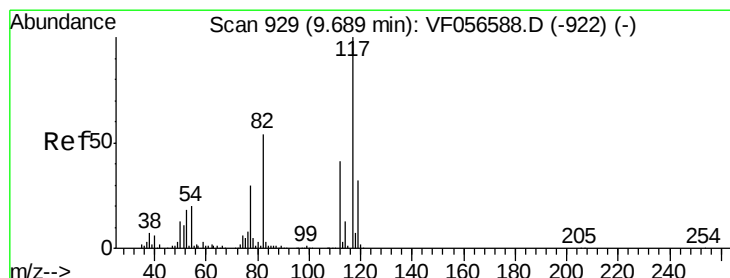
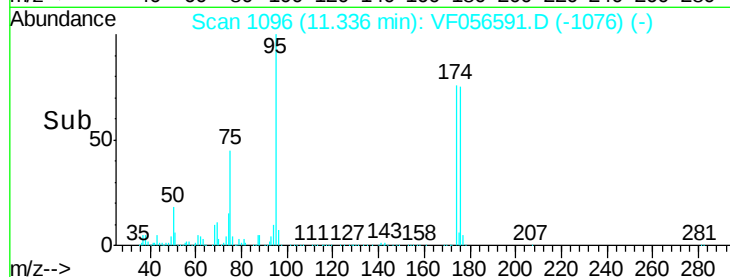
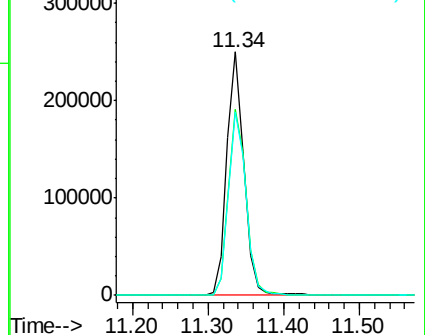
176 75.2 0.0 157.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.68 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

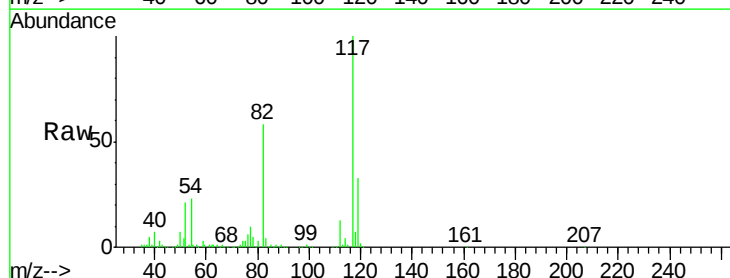
Tgt Ion: 117 Resp: 741505

Ion Ratio Lower Upper

117 100

82 58.4 43.0 64.6

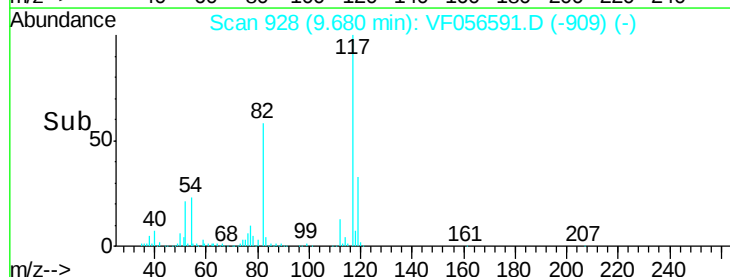
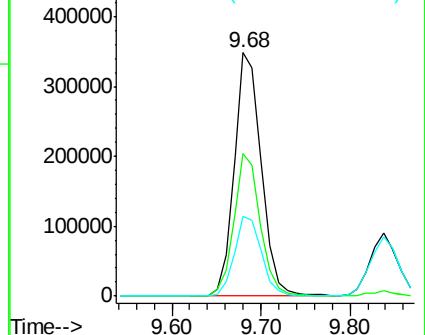
119 32.7 25.5 38.3

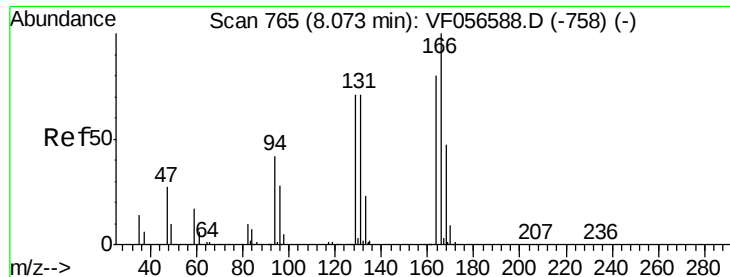


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#64

Tetrachloroethene

Concen: 53.78 ug/l

RT: 8.07 min Scan# 765

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

BFB

Tgt Ion:164 Resp: 286986

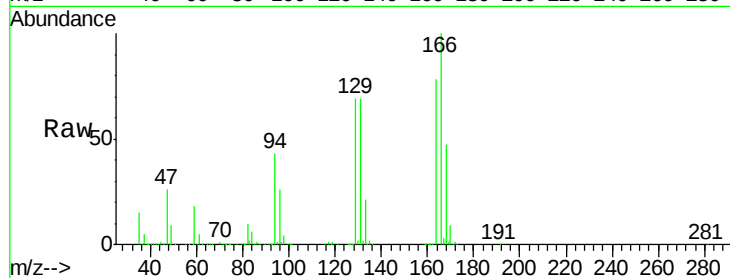
Ion Ratio Lower Upper

164 100

166 128.8 100.3 150.5

129 88.3 71.4 107.0

131 89.0 71.7 107.5

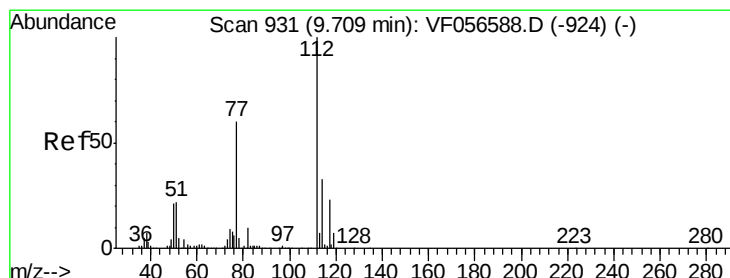
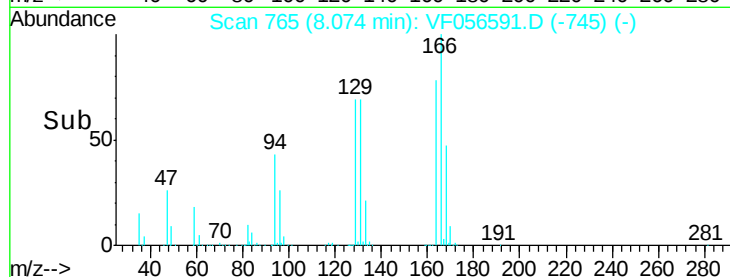
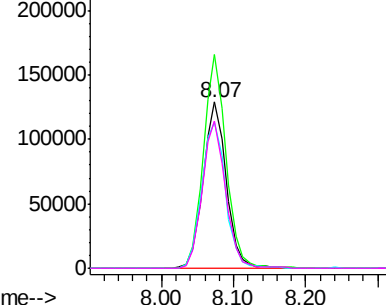


Abundance Ion 163.85 (163.55 to 164.55): V

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: 51.55 ug/l

RT: 9.71 min Scan# 931

Delta R.T. 0.00 min

Lab File: VF056591.D

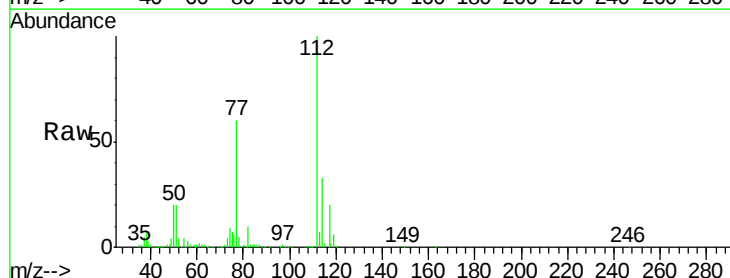
Acq: 20 Feb 2018 19:44

Tgt Ion:112 Resp: 749089

Ion Ratio Lower Upper

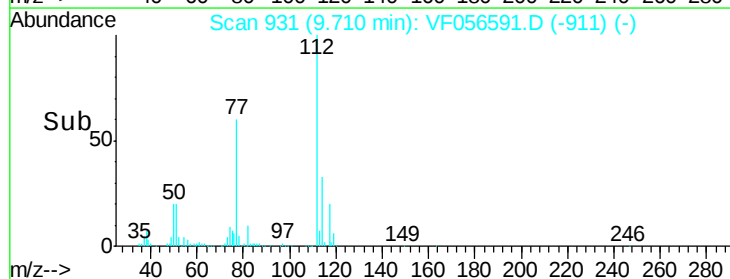
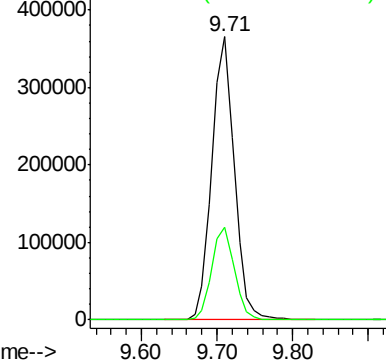
112 100

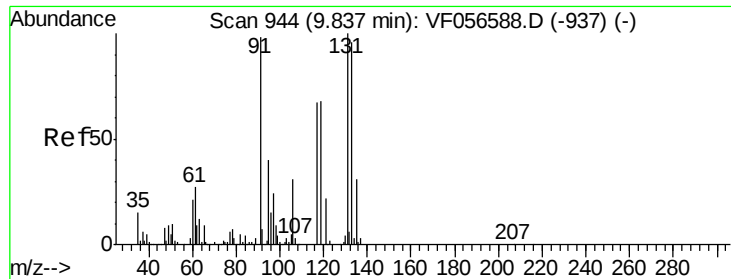
114 32.9 26.6 40.0



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: 51.24 ug/l

RT: 9.84 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

BFB

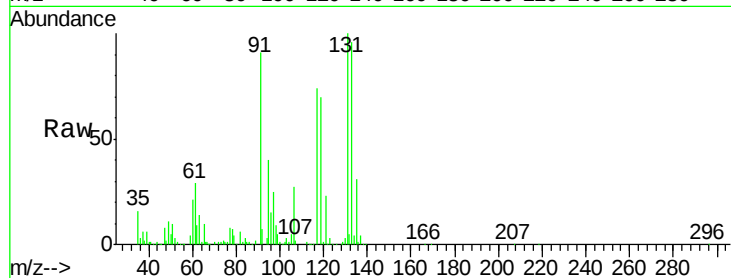
Tgt Ion:131 Resp: 256617

Ion Ratio Lower Upper

131 100

133 96.2 48.2 144.6

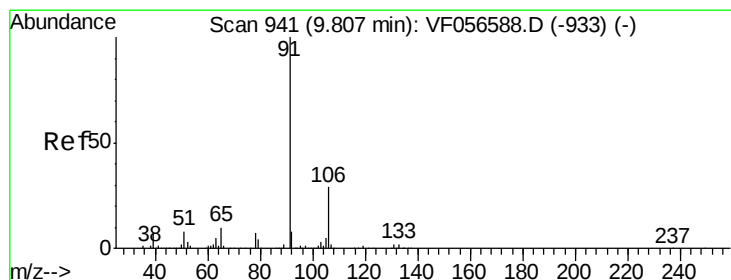
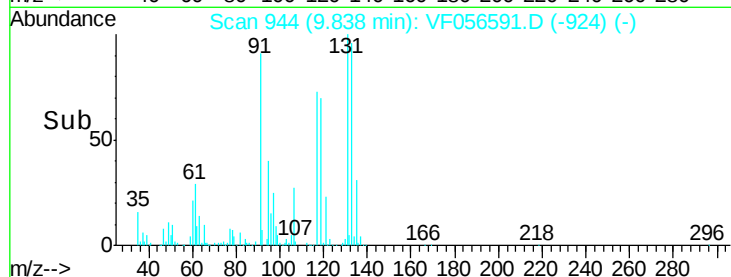
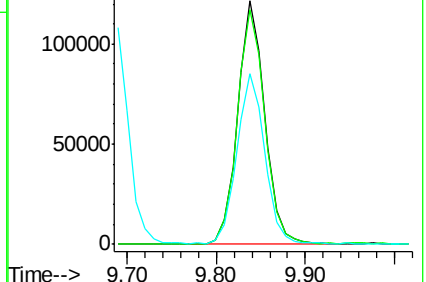
119 70.4 34.0 101.8



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: 51.60 ug/l

RT: 9.81 min Scan# 941

Delta R.T. 0.00 min

Lab File: VF056591.D

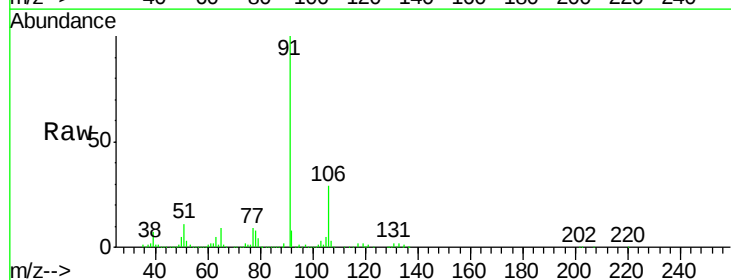
Acq: 20 Feb 2018 19:44

Tgt Ion: 91 Resp: 1278715

Ion Ratio Lower Upper

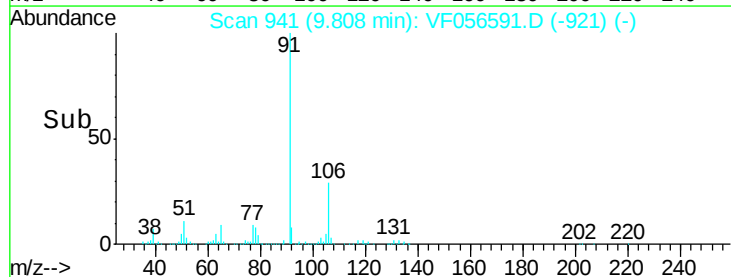
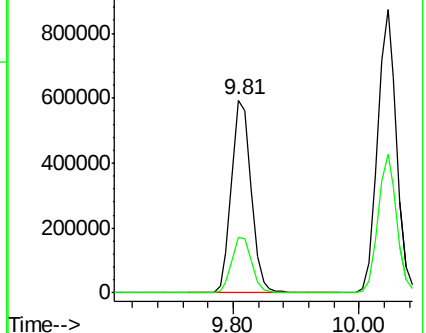
91 100

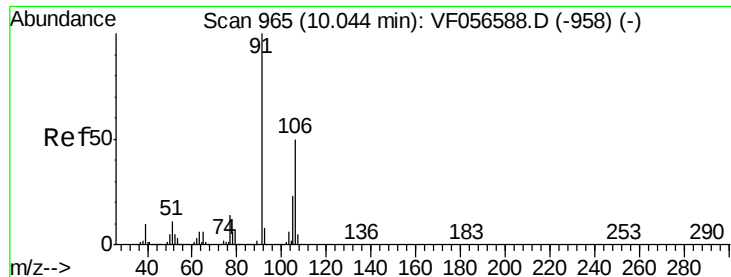
106 28.9 23.2 34.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

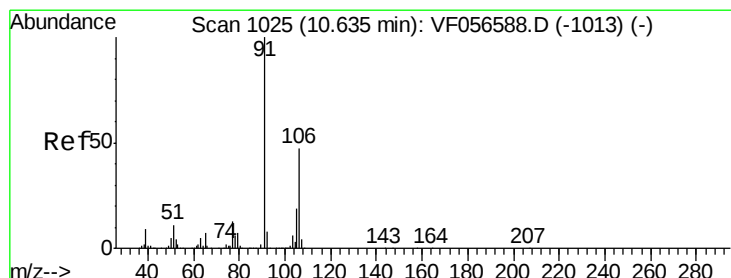
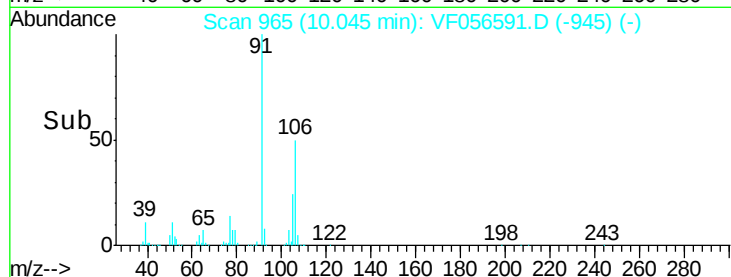
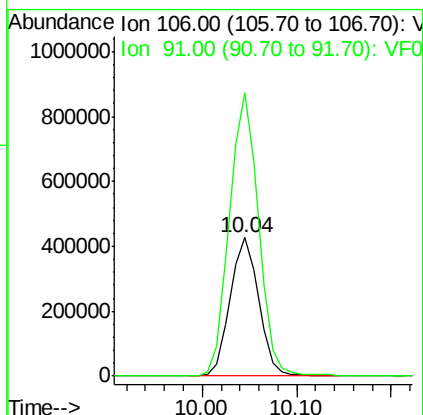
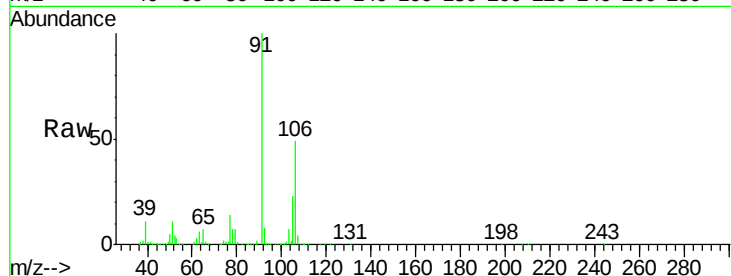




#68
m/p-Xylenes
Concen: 98.93 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

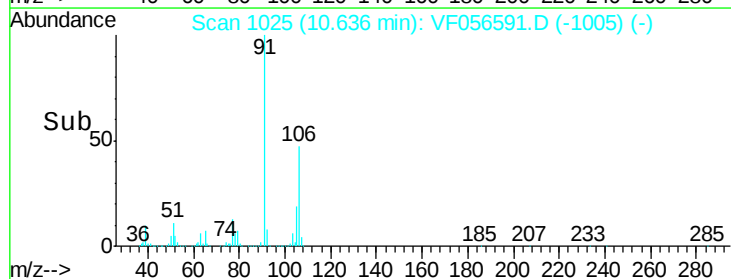
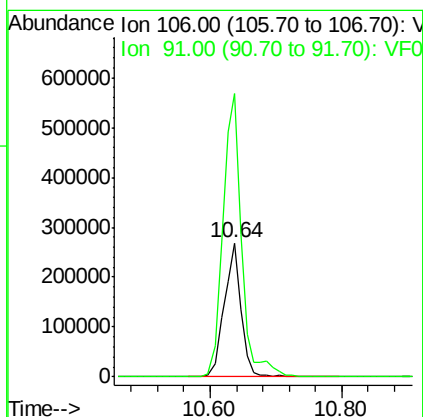
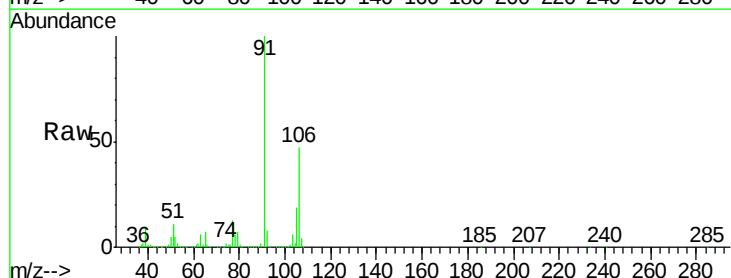
Instrument :
MSVOA_X
ClientSampleId :
BFB

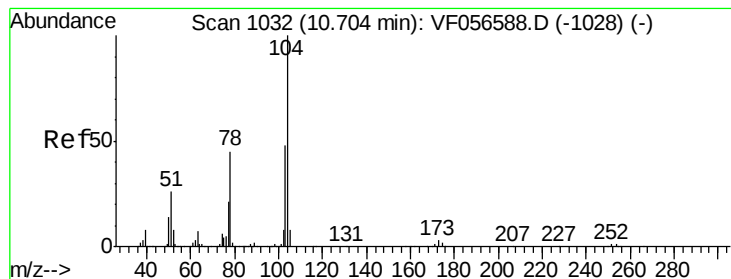
Tgt Ion:106 Resp: 896579
Ion Ratio Lower Upper
106 100
91 204.6 159.2 238.8



#69
o-Xylene
Concen: 50.87 ug/l
RT: 10.64 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

Tgt Ion:106 Resp: 478560
Ion Ratio Lower Upper
106 100
91 211.8 107.6 322.8





#70

Styrene

Concen: 51.59 ug/l

RT: 10.71 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampled :

BFB

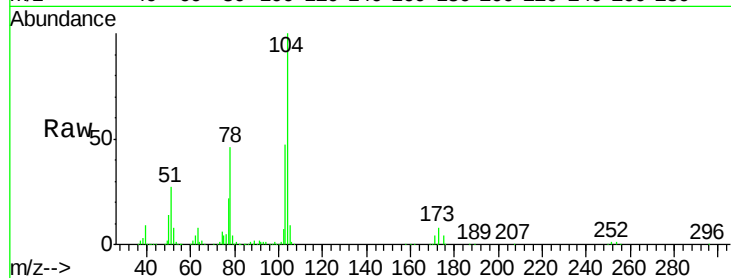
Tgt Ion:104 Resp: 769172

Ion Ratio Lower Upper

104 100

78 46.2 36.4 54.6

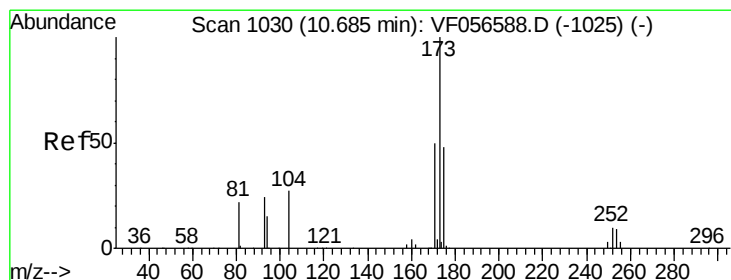
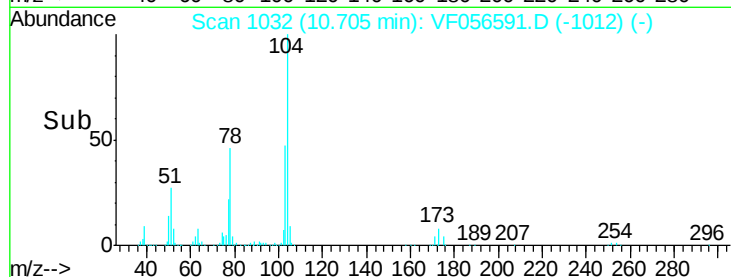
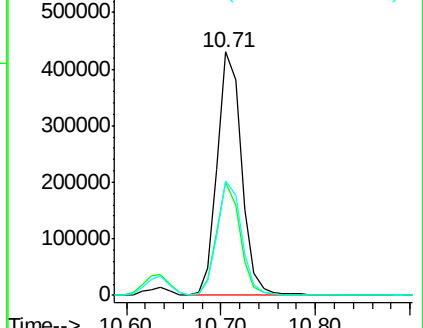
103 46.7 38.7 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 55.35 ug/l

RT: 10.69 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

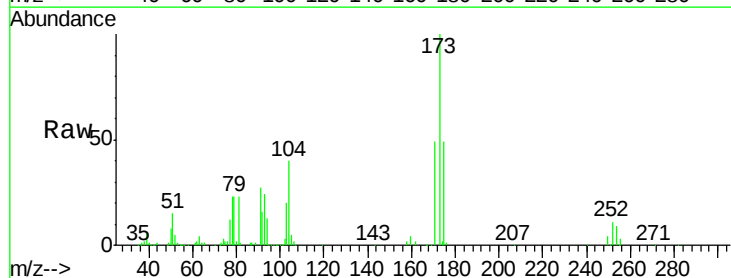
Tgt Ion:173 Resp: 221857

Ion Ratio Lower Upper

173 100

175 48.7 24.0 72.0

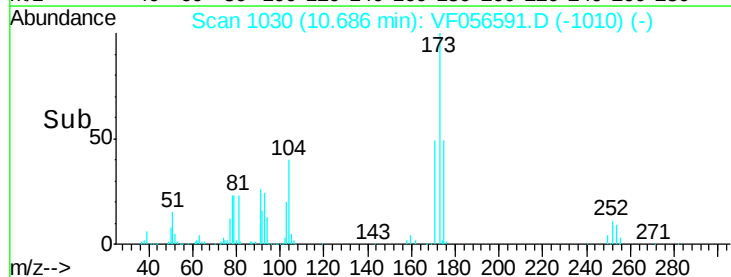
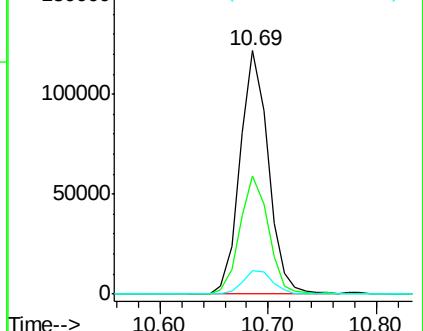
254 9.4 7.5 11.3

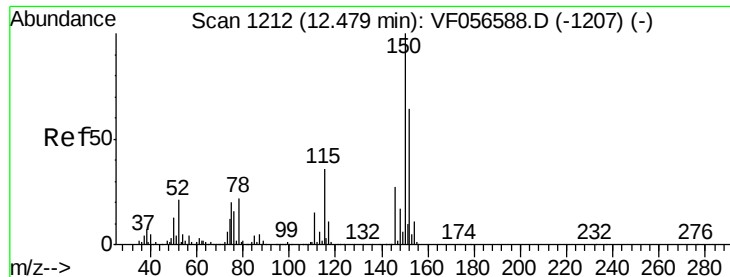


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.48 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampled :

BFB

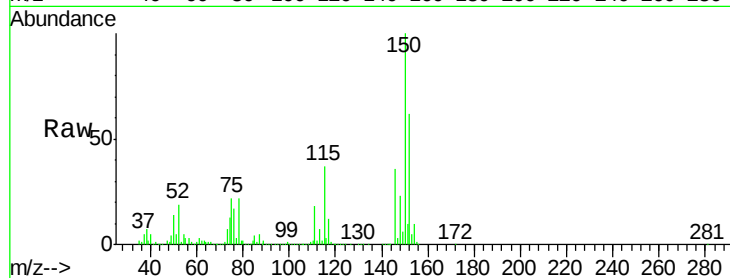
Tgt Ion:152 Resp: 384808

Ion Ratio Lower Upper

152 100

115 59.2 28.1 84.3

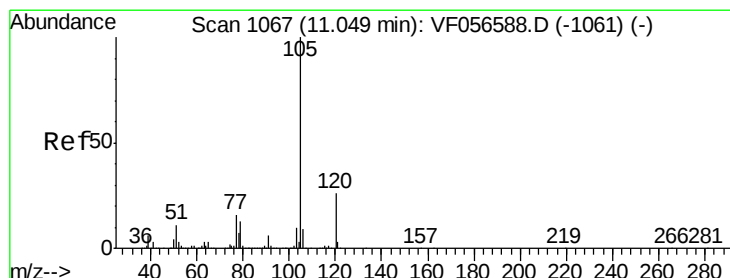
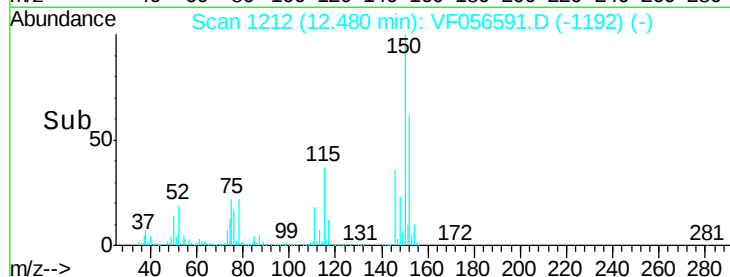
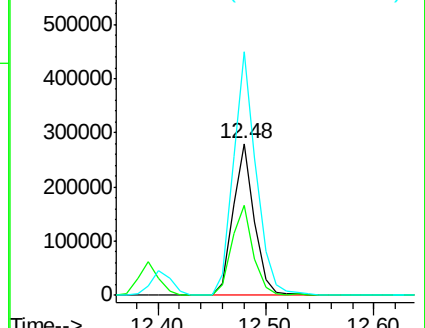
150 160.3 0.0 315.6



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#73

Isopropylbenzene

Concen: 52.22 ug/l

RT: 11.05 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VF056591.D

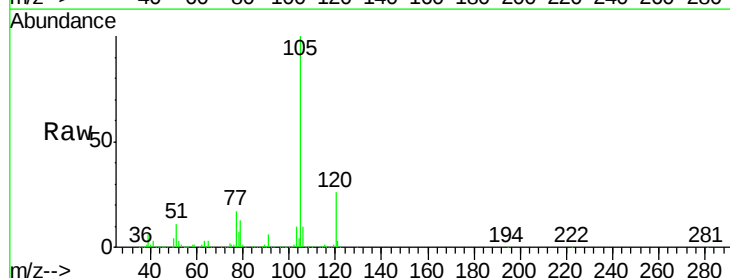
Acq: 20 Feb 2018 19:44

Tgt Ion:105 Resp: 1323524

Ion Ratio Lower Upper

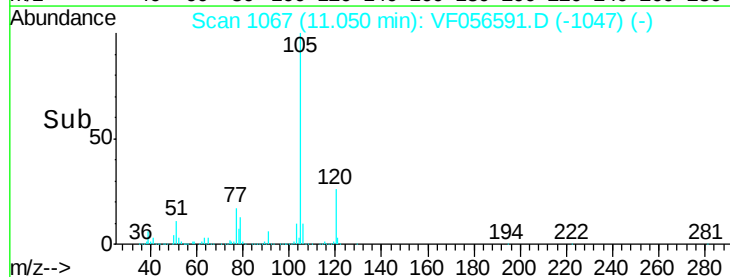
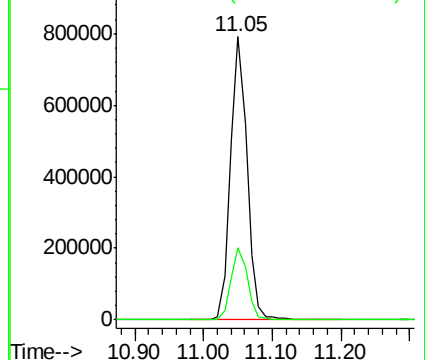
105 100

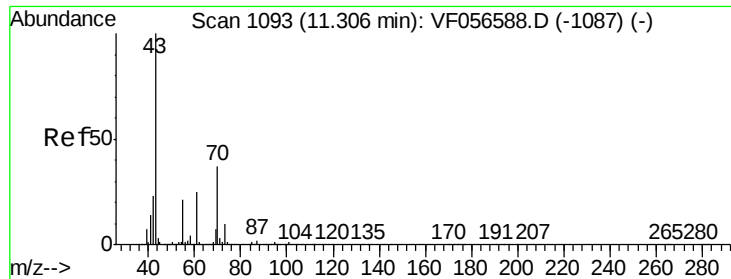
120 25.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

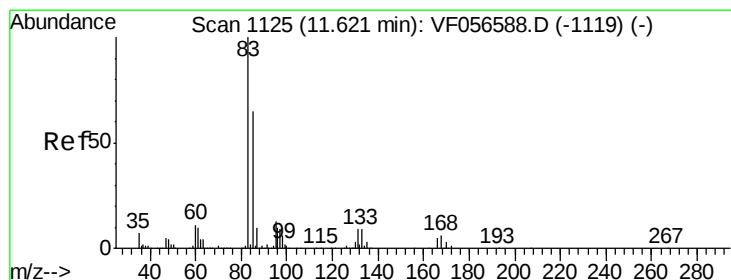
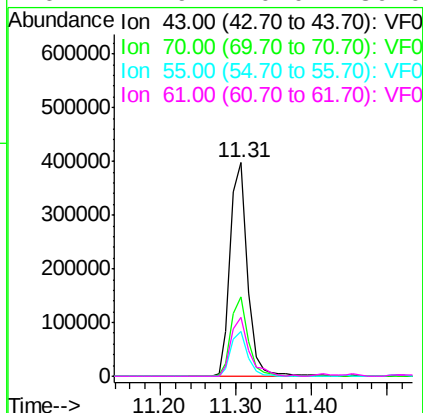
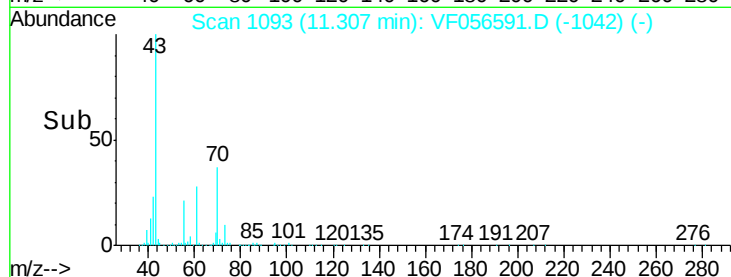
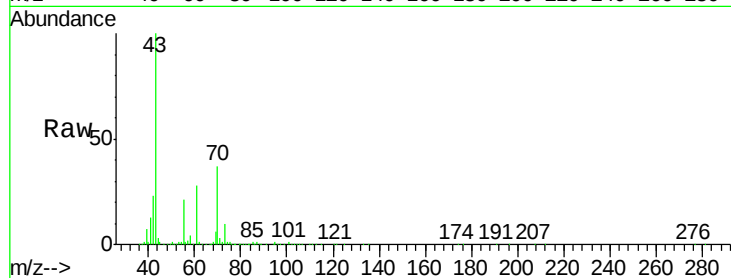




#74
N-amyI acetate
Concen: 55.14 ug/l
RT: 11.31 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

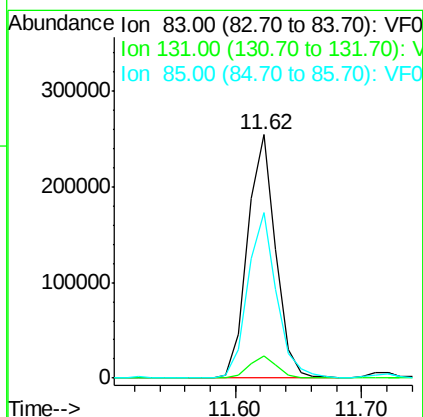
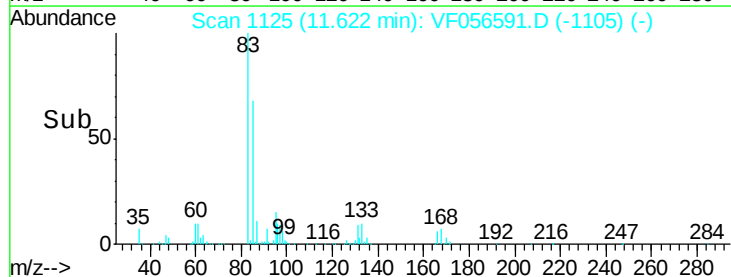
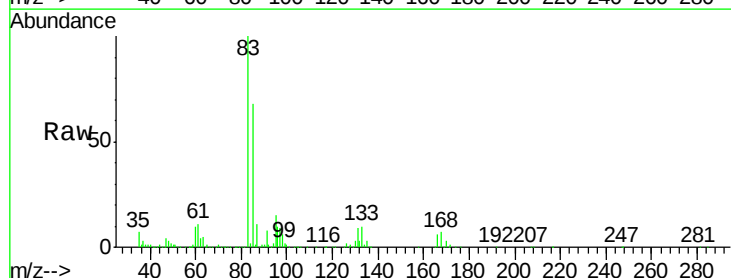
Instrument :
MSVOA_X
ClientSampleId :
BFB

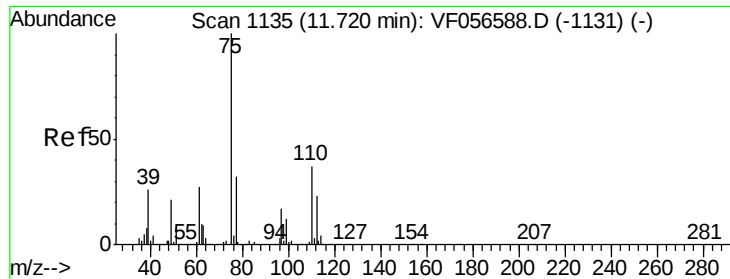
Tgt Ion:	43	Resp:	625174
Ion	Ratio	Lower	Upper
43	100		
70	37.3	29.5	44.3
55	20.9	17.0	25.4
61	27.9	20.0	30.0



#75
1,1,2,2-Tetrachloroethane
Concen: 51.43 ug/l
RT: 11.62 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

Tgt Ion:	83	Resp:	394403
Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	68.0	32.4	97.2

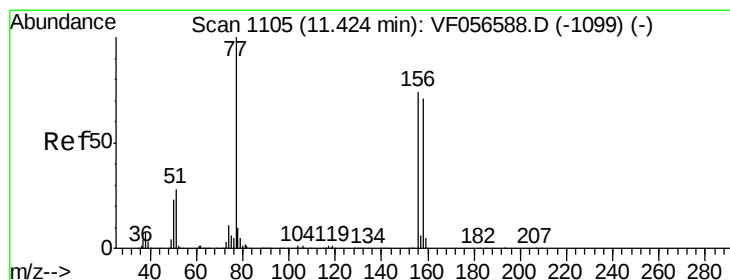
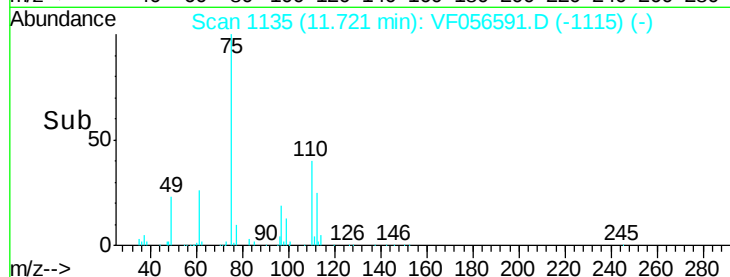
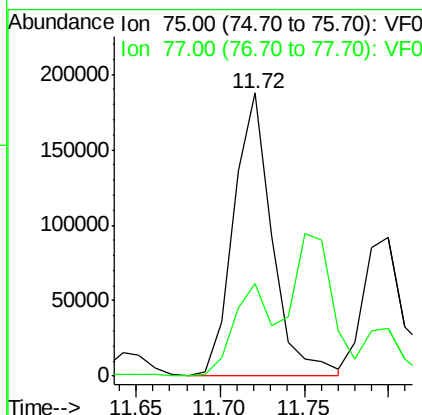
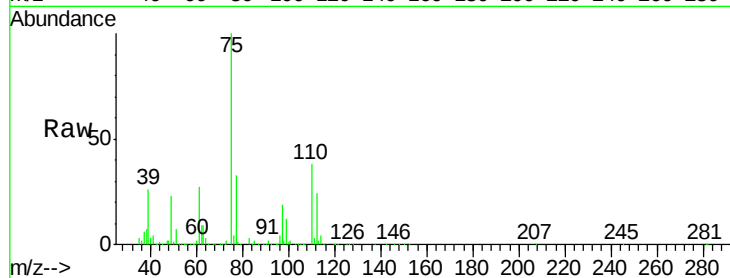




#76
 1,2,3-Trichloropropane
 Concen: 50.32 ug/l
 RT: 11.72 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

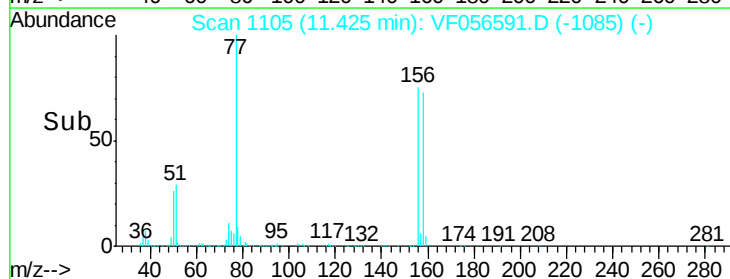
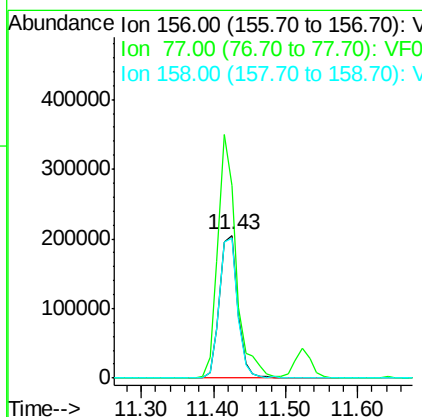
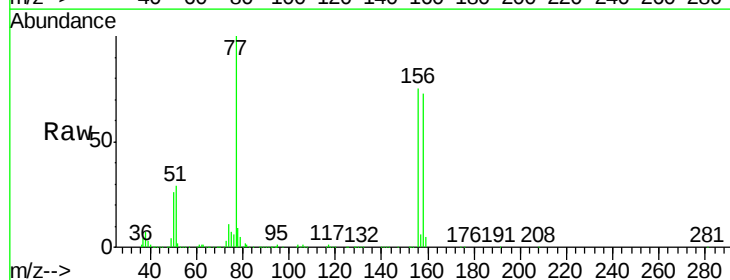
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

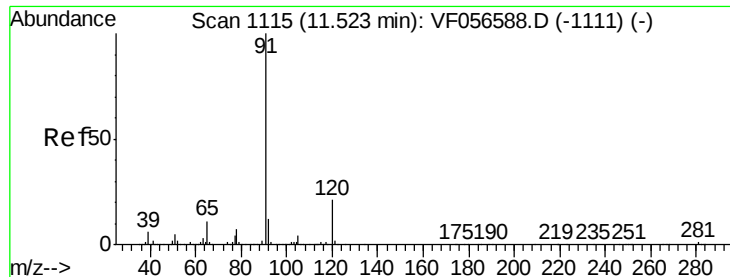
Tgt Ion: 75 Resp: 296086
 Ion Ratio Lower Upper
 75 100
 77 32.6 16.0 48.0



#77
 Bromobenzene
 Concen: 51.75 ug/l
 RT: 11.43 min Scan# 1105
 Delta R.T. 0.00 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

Tgt Ion: 156 Resp: 355833
 Ion Ratio Lower Upper
 156 100
 77 134.1 67.3 201.8
 158 97.8 48.0 144.2





#78

n-propylbenzene

Concen: 50.22 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

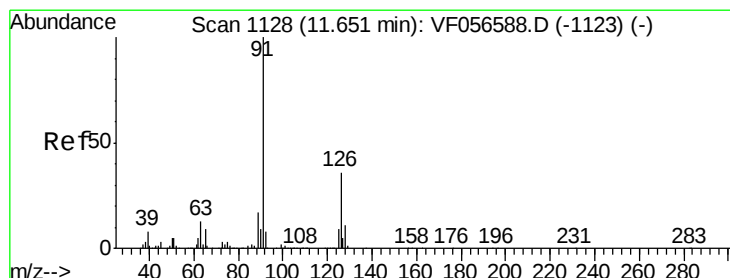
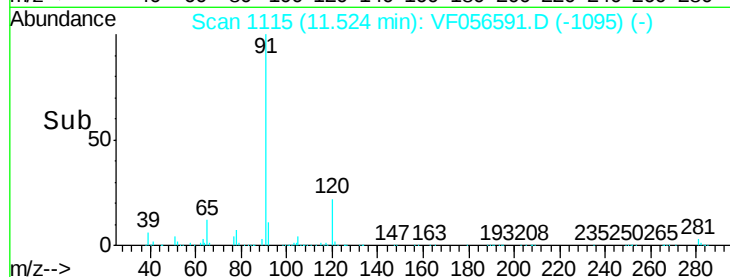
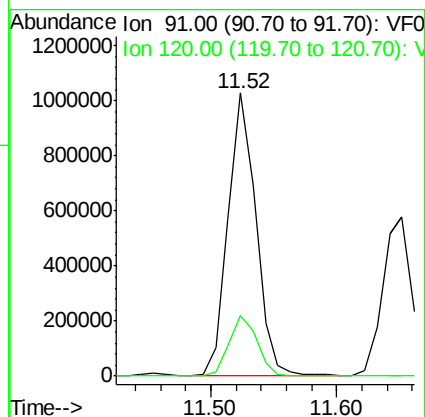
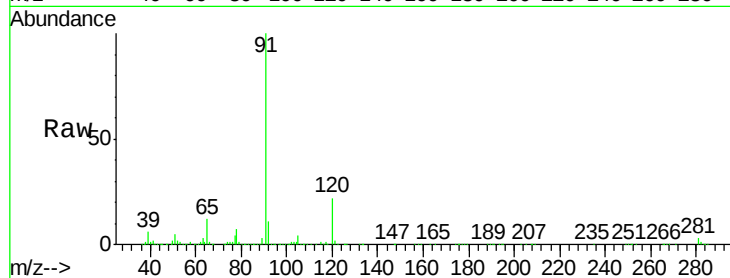
BFB

Tgt Ion: 91 Resp: 1568303

Ion Ratio Lower Upper

91 100

120 21.6 10.7 31.9



#79

2-Chlorotoluene

Concen: 50.54 ug/l

RT: 11.65 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VF056591.D

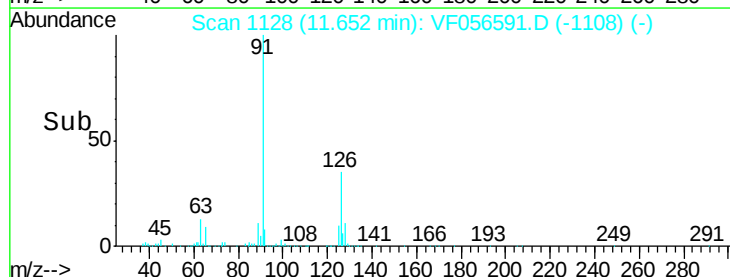
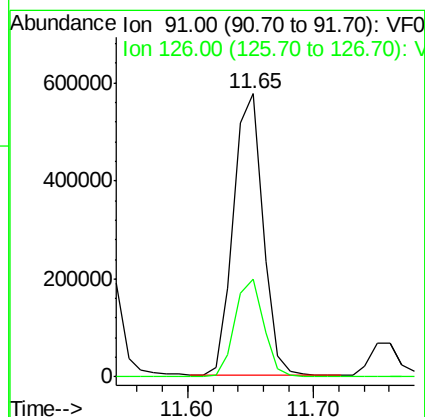
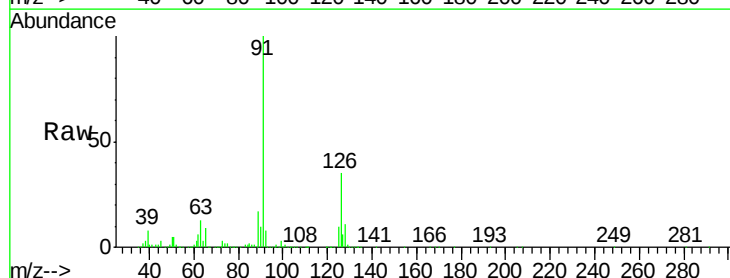
Acq: 20 Feb 2018 19:44

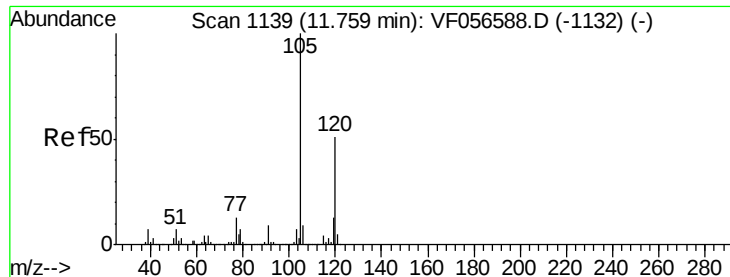
Tgt Ion: 91 Resp: 929352

Ion Ratio Lower Upper

91 100

126 34.7 17.8 53.3





#80

1,3,5-Trimethylbenzene

Concen: 51.24 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampled :

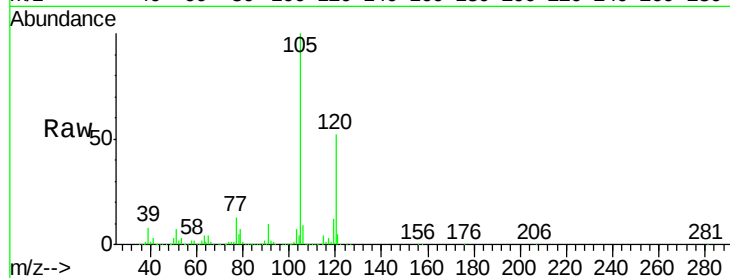
BFB

Tgt Ion:105 Resp: 1076235

Ion Ratio Lower Upper

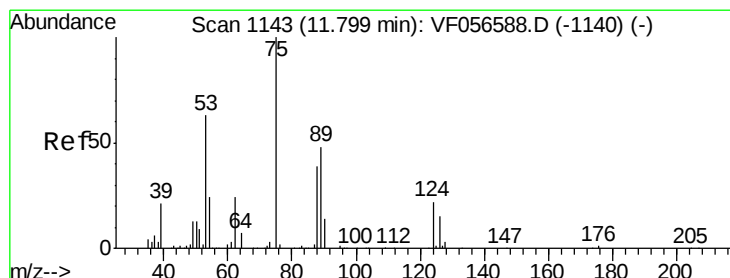
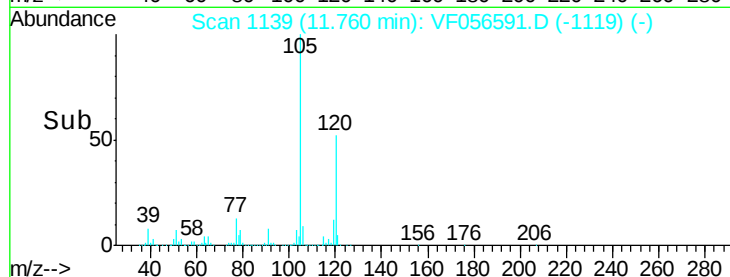
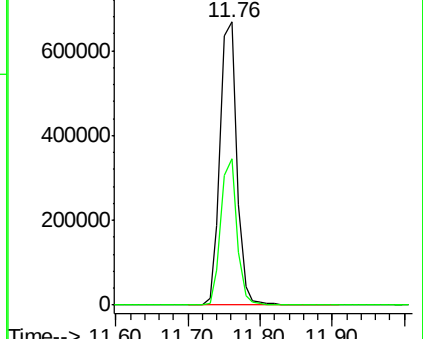
105 100

120 51.9 25.4 76.0



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: 53.25 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

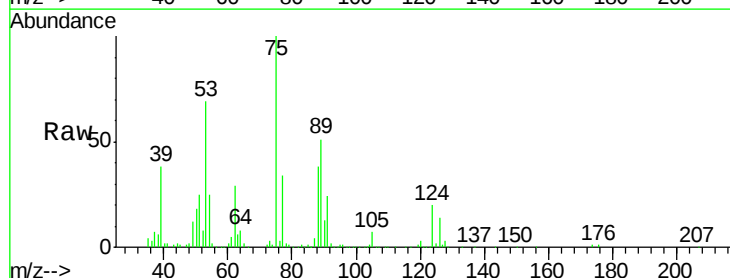
Tgt Ion: 75 Resp: 171660

Ion Ratio Lower Upper

75 100

53 68.6 55.4 83.0

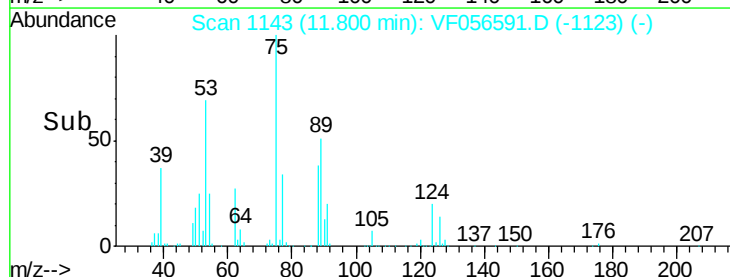
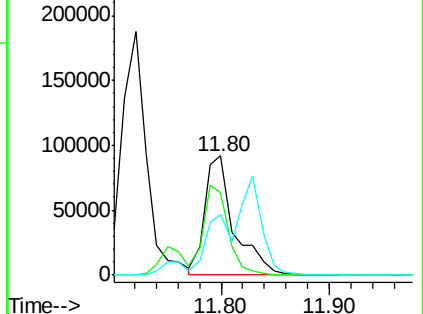
89 51.2 40.4 60.6

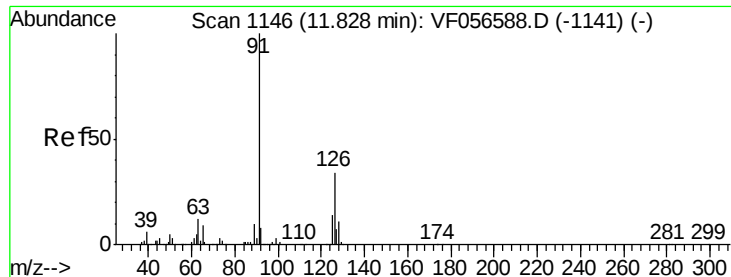


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

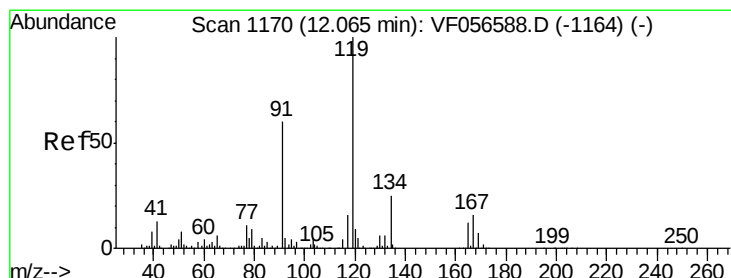
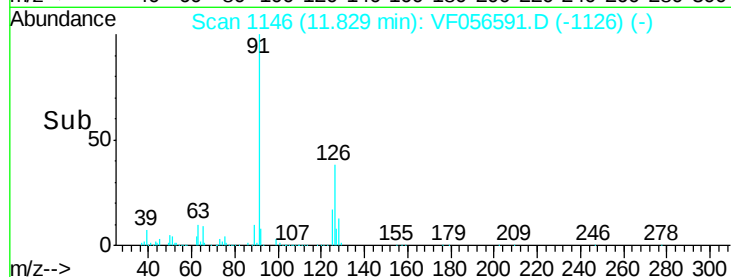
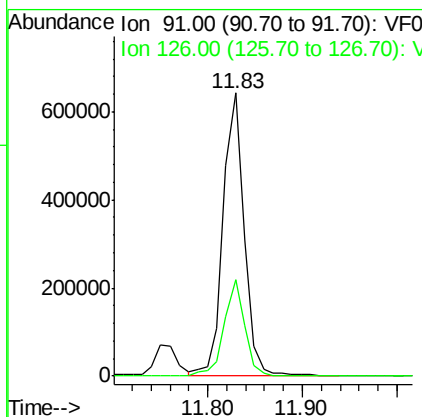
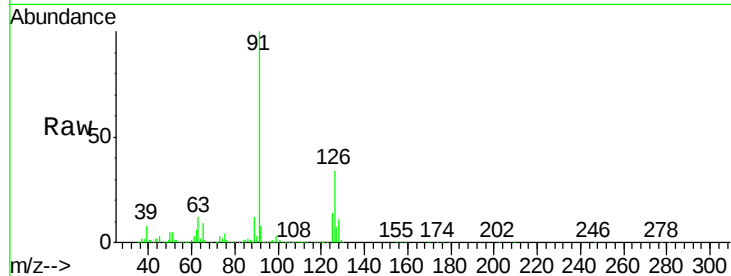




#82
4-Chlorotoluene
Concen: 49.40 ug/l
RT: 11.83 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

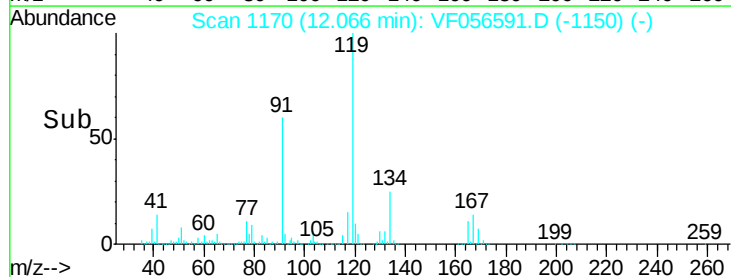
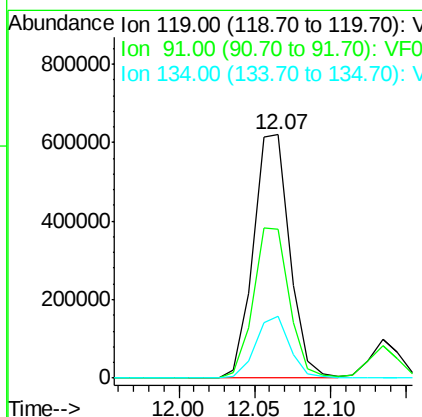
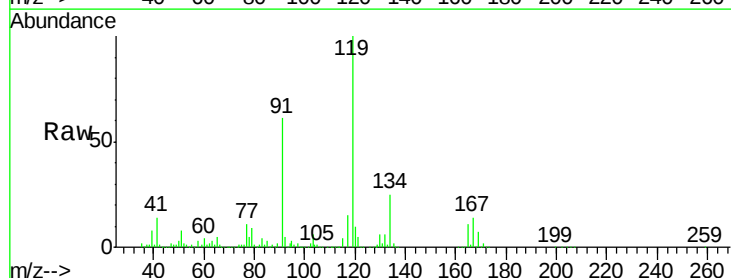
Instrument :
MSVOA_X
ClientSampled :
BFB

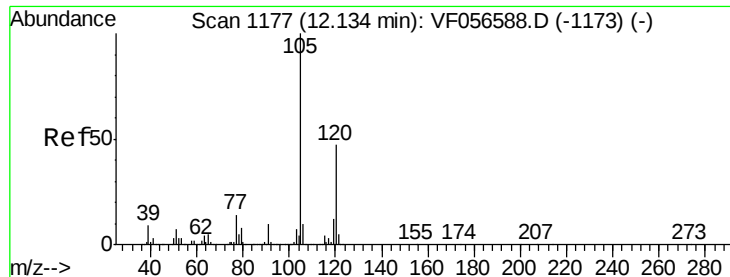
Tgt Ion: 91 Resp: 988098
Ion Ratio Lower Upper
91 100
126 34.0 17.1 51.3



#83
tert-Butylbenzene
Concen: 51.45 ug/l
RT: 12.07 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

Tgt Ion: 119 Resp: 1046375
Ion Ratio Lower Upper
119 100
91 61.3 29.8 89.4
134 25.4 12.4 37.4

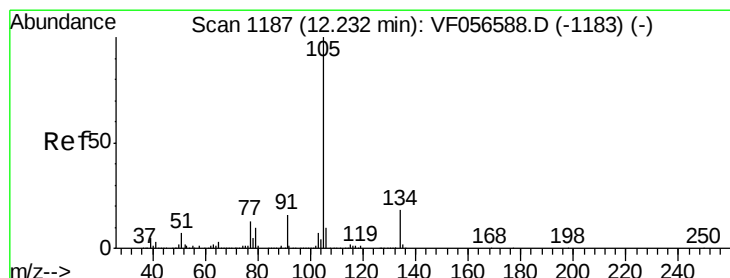
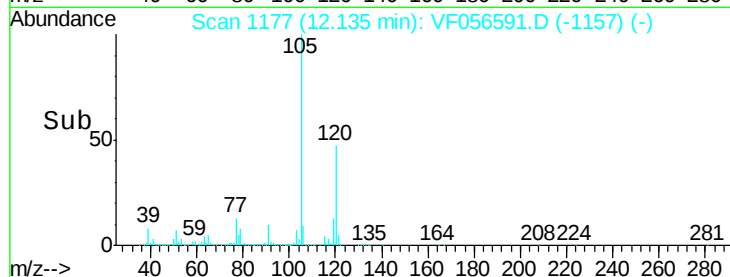
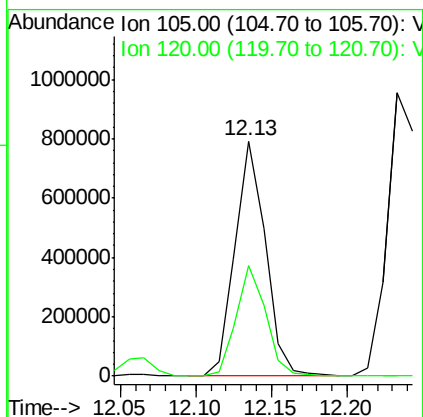
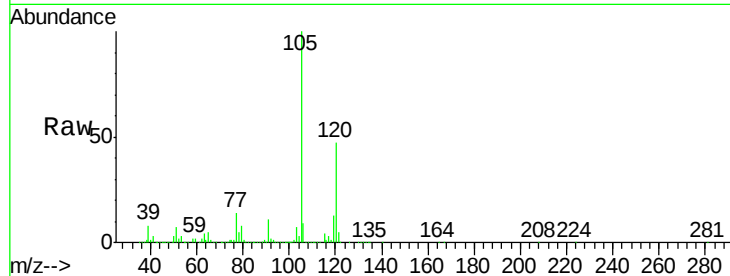




#84
 1,2,4-Trimethylbenzene
 Concen: 50.56 ug/l
 RT: 12.13 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

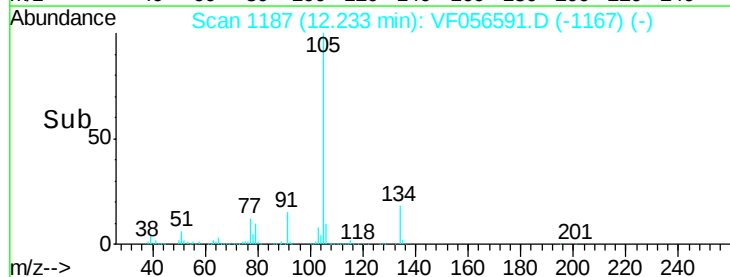
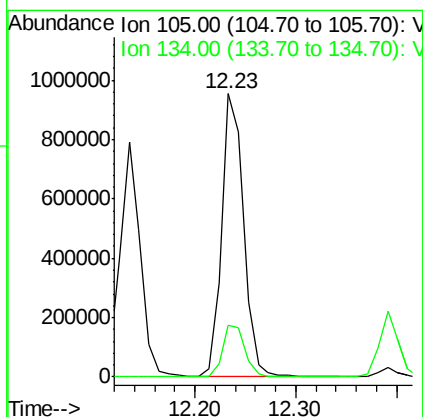
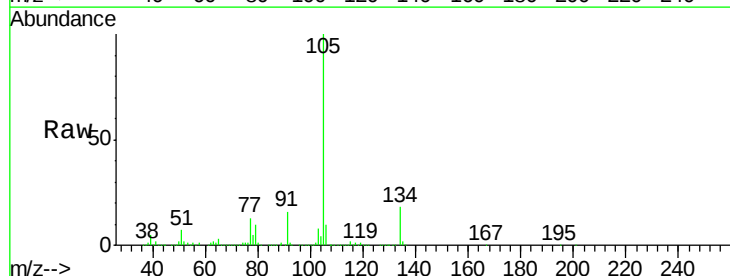
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

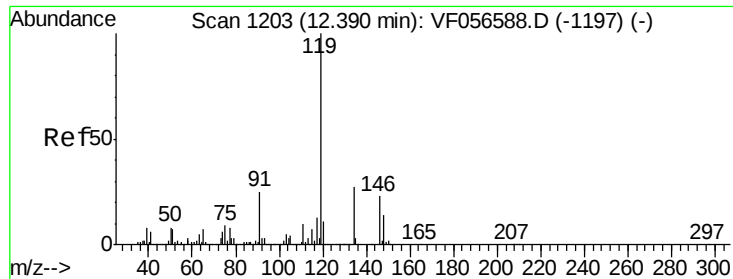
Tgt Ion:105 Resp: 1107273
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.5 70.5



#85
 sec-Butylbenzene
 Concen: 51.50 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

Tgt Ion:105 Resp: 1442037
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.1 27.3

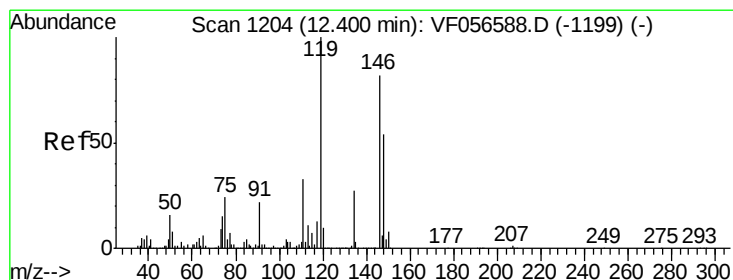
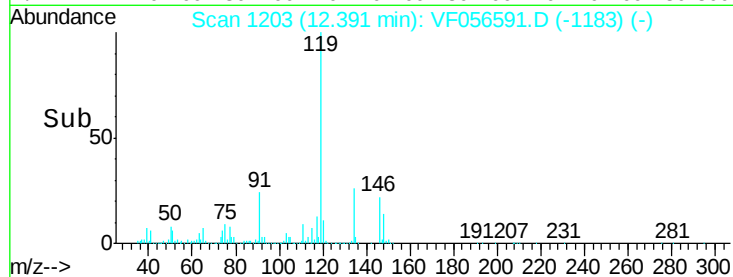
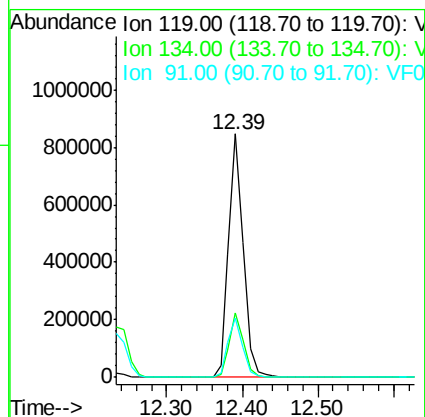
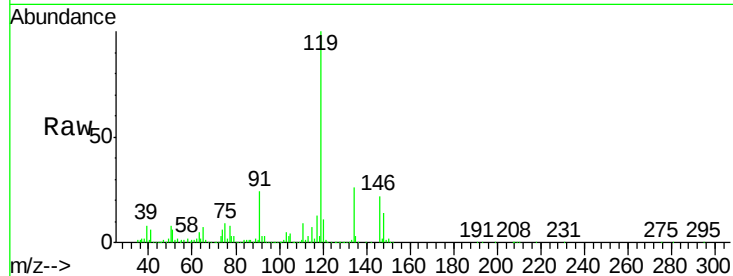




#86
p-Isopropyltoluene
Concen: 50.71 ug/l
RT: 12.39 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

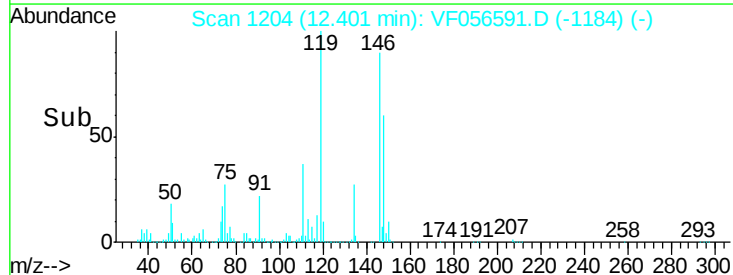
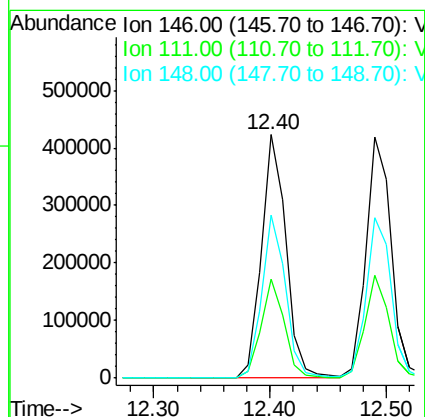
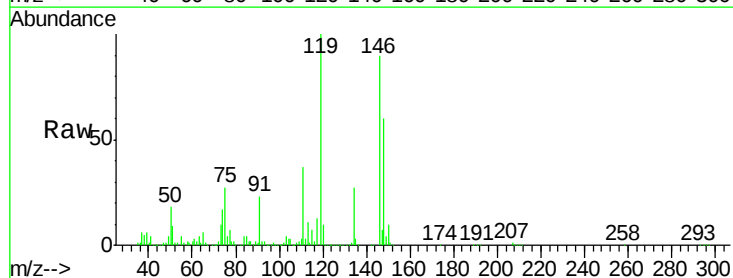
Instrument :
MSVOA_X
ClientSampled :
BFB

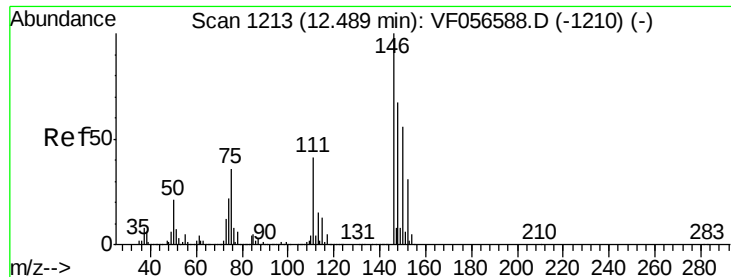
Tgt Ion:119 Resp: 1140035
Ion Ratio Lower Upper
119 100
134 26.4 13.4 40.2
91 24.1 12.7 38.0



#87
1,3-Dichlorobenzene
Concen: 48.92 ug/l
RT: 12.40 min Scan# 1204
Delta R.T. 0.00 min
Lab File: VF056591.D
Acq: 20 Feb 2018 19:44

Tgt Ion:146 Resp: 618601
Ion Ratio Lower Upper
146 100
111 40.8 20.0 60.0
148 66.9 32.6 97.7

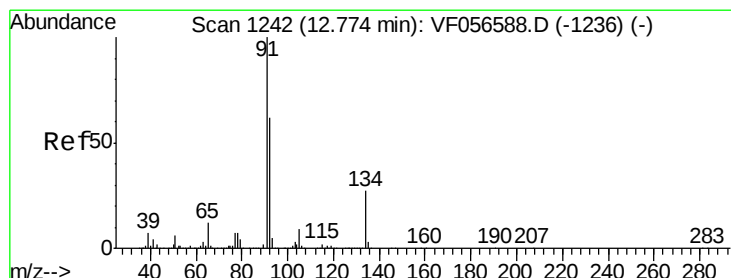
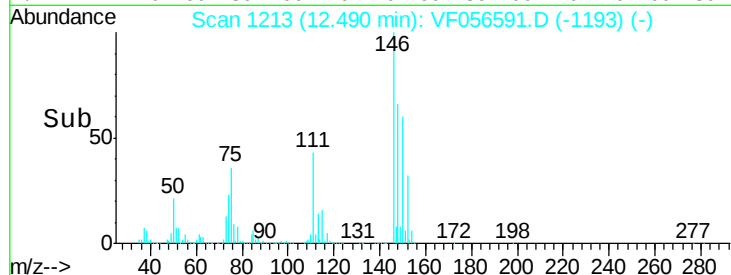
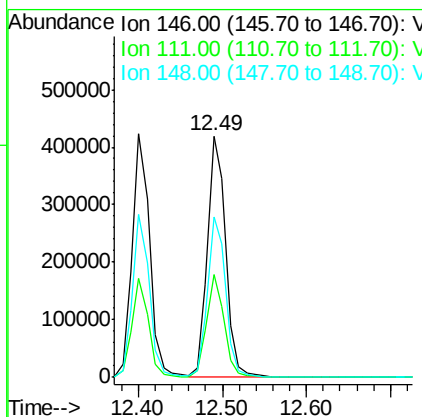
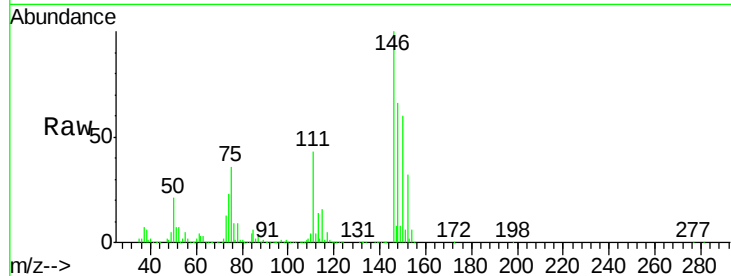




#88
 1,4-Dichlorobenzene
 Concen: 52.34 ug/l
 RT: 12.49 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

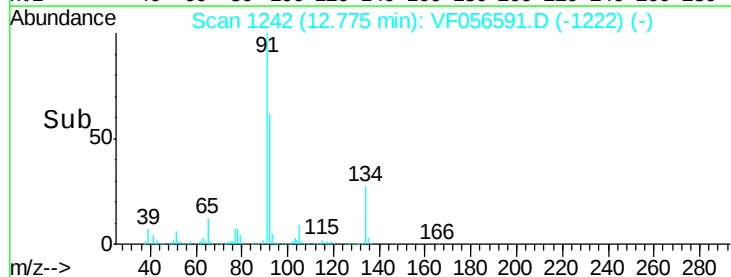
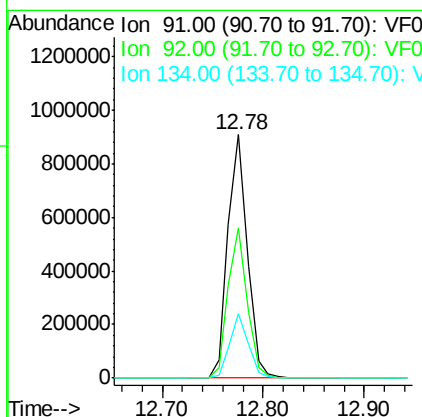
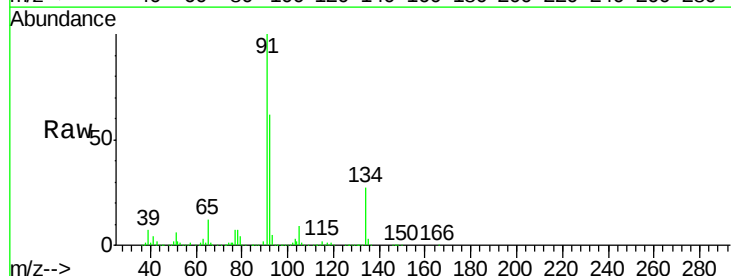
Instrument :
 MSVOA_X
 ClientSampled :
 BFB

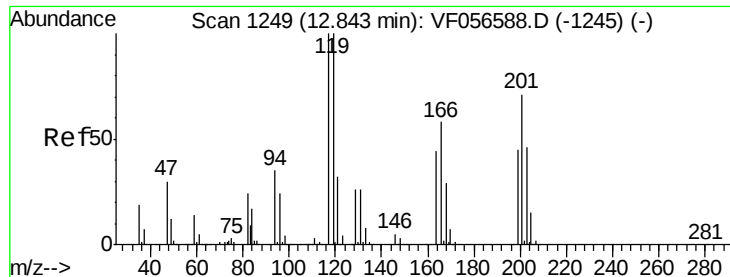
Tgt Ion: 146 Resp: 635446
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.6 61.9
 148 66.4 33.4 100.2



#89
 n-Butylbenzene
 Concen: 59.02 ug/l
 RT: 12.78 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

Tgt Ion: 91 Resp: 1218459
 Ion Ratio Lower Upper
 91 100
 92 61.8 30.9 92.7
 134 26.7 13.7 41.0





#90

Hexachloroethane

Concen: 53.47 ug/l

RT: 12.84 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

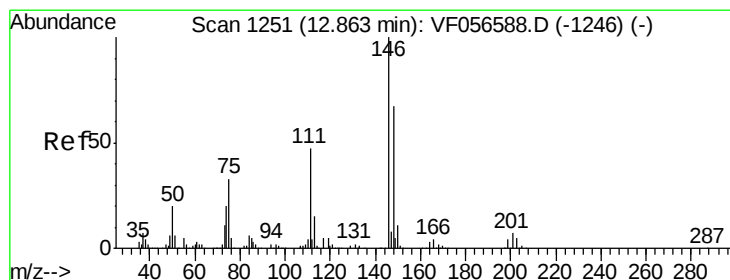
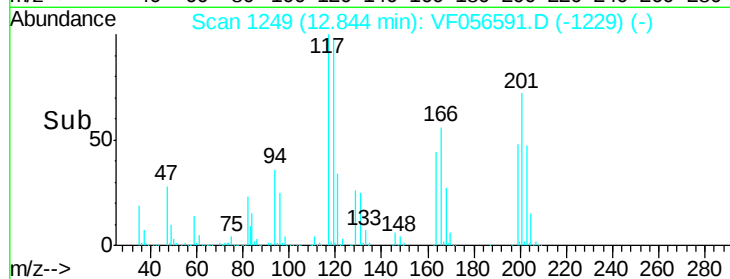
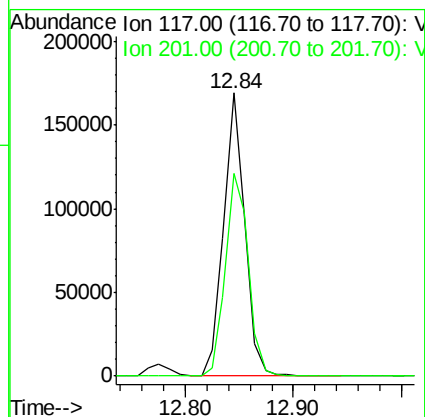
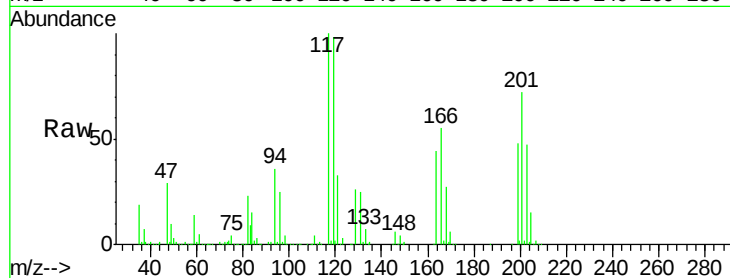
BFB

Tgt Ion:117 Resp: 231059

Ion Ratio Lower Upper

117 100

201 71.6 35.4 106.2



#91

1,2-Dichlorobenzene

Concen: 50.30 ug/l

RT: 12.86 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

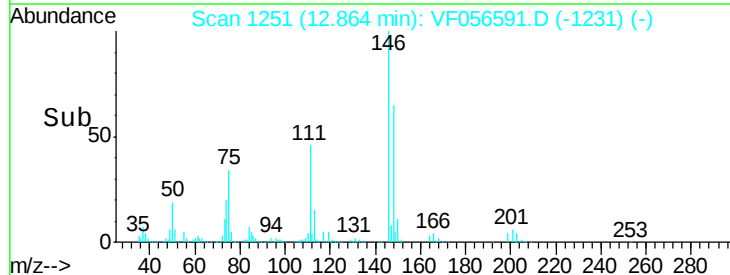
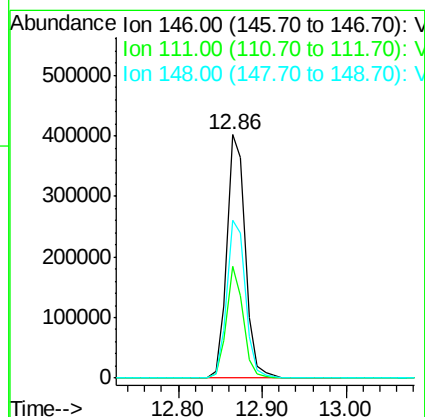
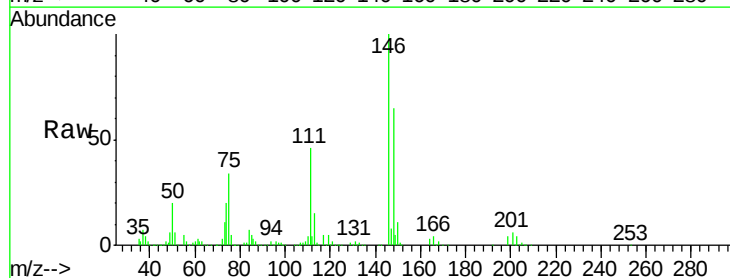
Tgt Ion:146 Resp: 610252

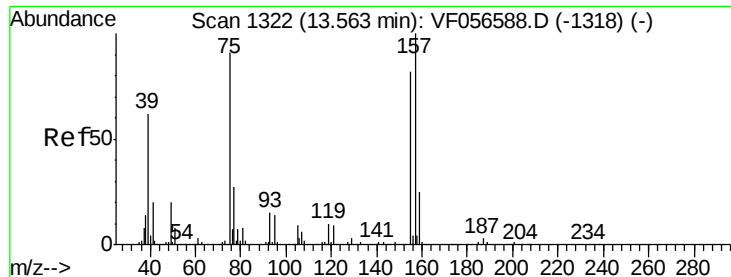
Ion Ratio Lower Upper

146 100

111 46.0 23.4 70.3

148 64.6 33.6 100.6





#92

1,2-Dibromo-3-Chloropropane

Concen: 58.13 ug/l

RT: 13.56 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

BFB

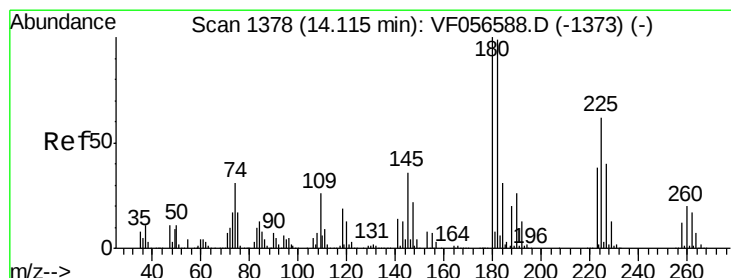
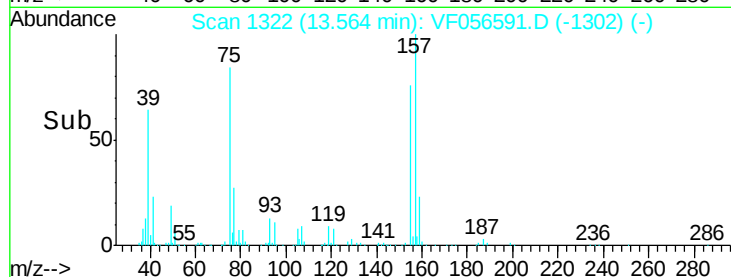
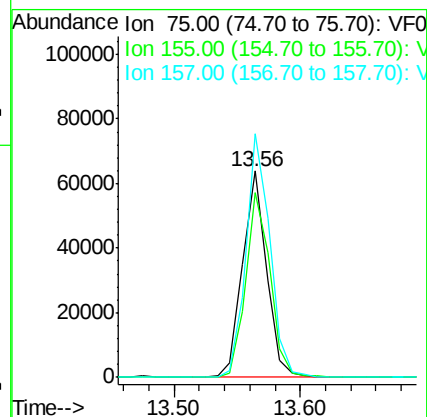
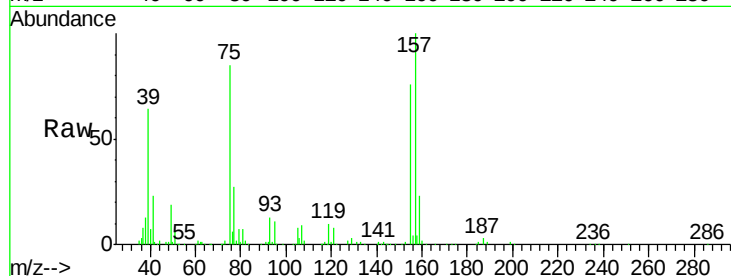
Tgt Ion: 75 Resp: 83049

Ion Ratio Lower Upper

75 100

155 89.5 45.1 135.3

157 118.3 54.9 164.8



#93

1,2,4-Trichlorobenzene

Concen: 51.62 ug/l

RT: 14.12 min Scan# 1378

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

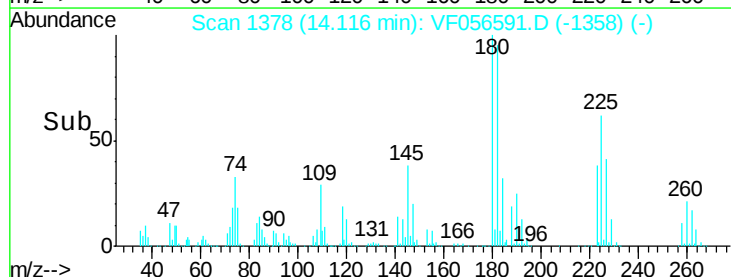
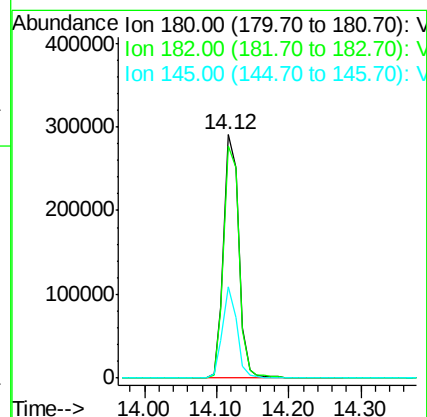
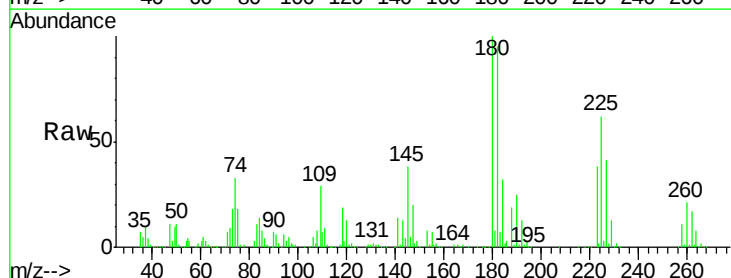
Tgt Ion: 180 Resp: 425121

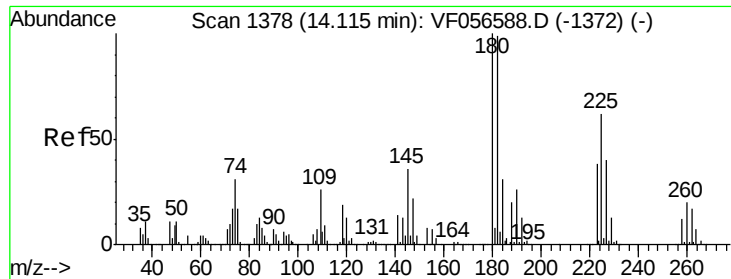
Ion Ratio Lower Upper

180 100

182 95.4 49.5 148.5

145 37.5 17.8 53.5





#94

Hexachlorobutadiene

Concen: 51.67 ug/l

RT: 14.12 min Scan# 1378

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

Instrument :

MSVOA_X

ClientSampled :

BFB

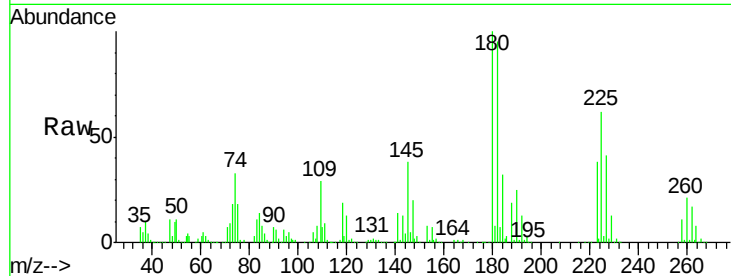
Tgt Ion:225 Resp: 242696

Ion Ratio Lower Upper

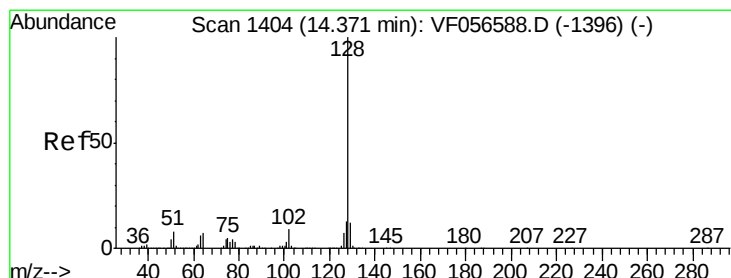
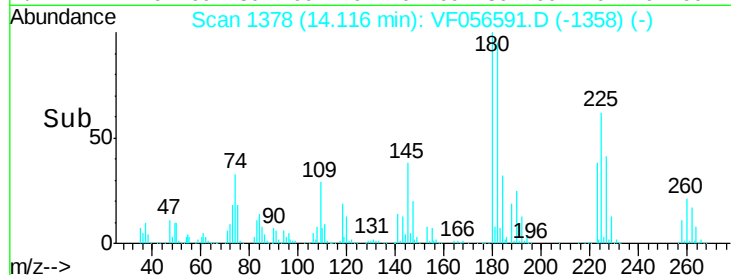
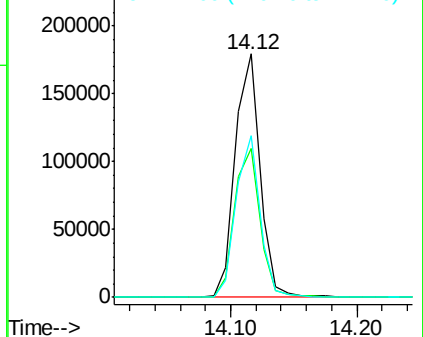
225 100

223 61.4 31.1 93.3

227 66.4 32.1 96.3



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



#95

Naphthalene

Concen: 54.07 ug/l

RT: 14.37 min Scan# 1404

Delta R.T. 0.00 min

Lab File: VF056591.D

Acq: 20 Feb 2018 19:44

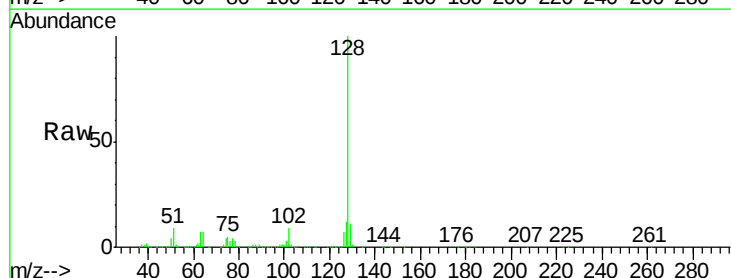
Tgt Ion:128 Resp: 1120250

Ion Ratio Lower Upper

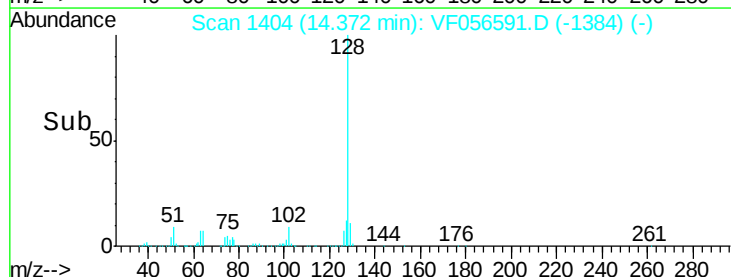
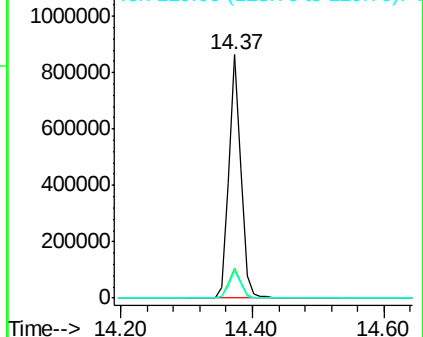
128 100

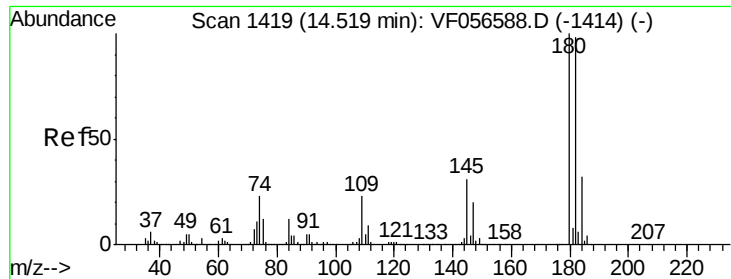
127 12.3 10.3 15.5

129 11.0 9.4 14.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 51.92 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: VF056591.D
 Acq: 20 Feb 2018 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	49.0	147.2
145	31.5	15.4	46.1

