

Data File : VF059977.D
Acq On : 17 Aug 2018 17:09
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
BFB

Quant Time: Aug 17 23:39:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 17 23:38:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	135828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	186715	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	195917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	133546	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	12185	4.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	9.22%	
35) Dibromofluoromethane	4.31	113	9822	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
50) Toluene-d8	7.72	98	20846	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
62) 4-Bromofluorobenzene	11.51	95	13776	5.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.66%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.96	85	12778	5.555	ug/l	99
3) Chloromethane	1.07	50	7729	6.525	ug/l #	76
4) Vinyl Chloride	1.12	62	7043	5.180	ug/l #	81
5) Bromomethane	1.32	94	8977	6.747	ug/l	98
6) Chloroethane	1.39	64	4011	5.646	ug/l #	86
7) Trichlorofluoromethane	1.49	101	22438	6.105	ug/l	98
8) Diethyl Ether	1.71	74	2906	4.948	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.86	101	10649	5.772	ug/l	97
10) Methyl Iodide	1.94	142	12000	5.105	ug/l	93
11) Tert butyl alcohol	2.68	59	3554	21.810	ug/l #	84
12) 1,1-Dichloroethene	1.83	96	7039	5.510	ug/l #	87
13) Acrolein	2.10	56	1515	17.599	ug/l	97
14) Allyl chloride	2.19	41	13490	6.221	ug/l	99
15) Acrylonitrile	3.08	53	6873	25.388	ug/l #	80
16) Acetone	2.34	43	24588	28.899	ug/l	94
17) Carbon Disulfide	1.84	76	22837	5.614	ug/l	95
18) Methyl Acetate	2.45	43	11525	6.820	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	21453	4.972	ug/l	99
20) Methylene Chloride	2.29	84	14557	8.115	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	7854	5.767	ug/l #	86
22) Diisopropyl ether	2.93	45	23909	5.107	ug/l #	97
23) Vinyl Acetate	3.34	43	39581	20.639	ug/l #	94
24) 1,1-Dichloroethane	3.01	63	16267	5.280	ug/l	97
25) 2-Butanone	4.52	43	17837	26.799	ug/l	93
26) 2,2-Dichloropropane	3.77	77	11861	4.411	ug/l #	82
27) cis-1,2-Dichloroethene	3.65	96	6016	4.843	ug/l	90
28) Bromochloromethane	3.88	49	4404	5.011	ug/l	94
29) Tetrahydrofuran	4.27	42	6300	26.502	ug/l #	92
30) Chloroform	4.05	83	18082	5.149	ug/l	86
31) Cyclohexane	3.86	56	7952	5.744	ug/l #	92
32) 1,1,1-Trichloroethane	4.29	97	17562	5.133	ug/l #	85
36) 1,1-Dichloropropene	4.48	75	12627	5.993	ug/l #	83
37) Ethyl Acetate	4.29	43	5817	4.682	ug/l #	52
38) Carbon Tetrachloride	4.17	117	15992	5.283	ug/l #	86

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Instrument :
MSVOA_F
ClientSampleId :
BFB

Quant Time: Aug 17 23:39:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 17 23:38:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	8650	5.420	ug/l	86
40) Benzene	4.82	78	19618	5.473	ug/l	95
41) Methacrylonitrile	4.94	41	3031	5.148	ug/l #	76
42) 1,2-Dichloroethane	5.13	62	16279	5.243	ug/l	89
43) Isopropyl Acetate	7.12	43	6604	4.877	ug/l #	85
44) Trichloroethene	5.69	130	7699	5.501	ug/l	92
45) 1,2-Dichloropropane	6.41	63	5257	5.142	ug/l	91
46) Dibromomethane	6.26	93	5109	4.927	ug/l	92
47) Bromodichloromethane	6.55	83	13831	5.050	ug/l	94
48) Methyl methacrylate	6.89	41	4655	4.612	ug/l	97
49) 1,4-Dioxane	6.88	88	391	48.388	ug/l #	48
51) 4-Methyl-2-Pentanone	8.42	43	31376	24.812	ug/l	98
52) Toluene	7.79	92	15153	5.612	ug/l	83
53) t-1,3-Dichloropropene	8.44	75	11820	5.083	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	11608	5.179	ug/l #	93
55) 1,1,2-Trichloroethane	8.64	97	5643	5.098	ug/l #	84
56) Ethyl methacrylate	8.77	69	5168	4.007	ug/l #	82
57) 1,3-Dichloropropane	9.01	76	10329	5.253	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.72	63	122	1.151	ug/l	100
59) 2-Hexanone	9.64	43	26710	25.421	ug/l	94
60) Dibromochloromethane	8.87	129	9410	4.696	ug/l	100
61) 1,2-Dibromoethane	9.15	107	7068	5.061	ug/l	83
64) Tetrachloroethene	8.31	164	8788	5.976	ug/l	93
65) Chlorobenzene	9.96	112	21872	5.722	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	9470	5.391	ug/l	88
67) Ethyl Benzene	10.04	91	37110	5.408	ug/l	97
68) m/p-Xylenes	10.27	106	26801	11.223	ug/l	74
69) o-Xylene	10.83	106	11721	4.772	ug/l	82
70) Styrene	10.91	104	20466	5.232	ug/l	94
71) Bromoform	10.89	173	6039	4.565	ug/l	93
73) Isopropylbenzene	11.24	105	39840	4.989	ug/l	92
74) N-amyl acetate	11.47	43	10517	4.453	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	8811	5.409	ug/l	87
76) 1,2,3-Trichloropropane	11.89	75	7310	5.020	ug/l	90
77) Bromobenzene	11.60	156	12271	5.446	ug/l	93
78) n-propylbenzene	11.69	91	57345	5.783	ug/l	96
79) 2-Chlorotoluene	11.82	91	34226	5.635	ug/l	92
80) 1,3,5-Trimethylbenzene	11.92	105	38907	5.382	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.97	75	4270	5.688	ug/l	96
82) 4-Chlorotoluene	12.00	91	34908	5.278	ug/l	97
83) tert-Butylbenzene	12.22	119	38374	5.370	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	41578	5.476	ug/l	96
85) sec-Butylbenzene	12.39	105	51907	5.552	ug/l	98
86) p-Isopropyltoluene	12.55	119	44710	5.409	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	24969	5.862	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	22648	5.430	ug/l	95
89) n-Butylbenzene	12.92	91	43422	5.435	ug/l	90
90) Hexachloroethane	13.00	117	10005	5.380	ug/l	94
91) 1,2-Dichlorobenzene	13.02	146	23616	5.762	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	1933	4.209	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF081718\
Quantitation Report (Not Reviewed)

Data File : VF059977.D
Acq On : 17 Aug 2018 17:09
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 31 Sample Multiplier: 1

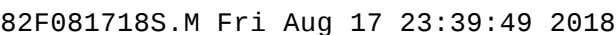
Instrument :
MSVOA_F
ClientSampleId :
BFB

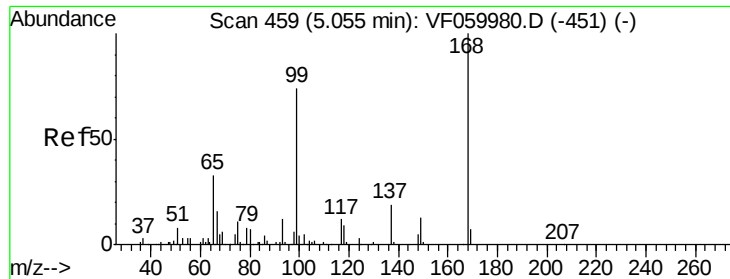
Quant Time: Aug 17 23:39:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 17 23:38:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	17732	5.332	ug/l	86
94) Hexachlorobutadiene	14.26	225	11608	5.286	ug/l	91
95) Naphthalene	14.53	128	20273	4.192	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.68	180	16503	5.137	ug/l	93

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

Quant Time: Aug 17 23:39:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 17 23:38:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

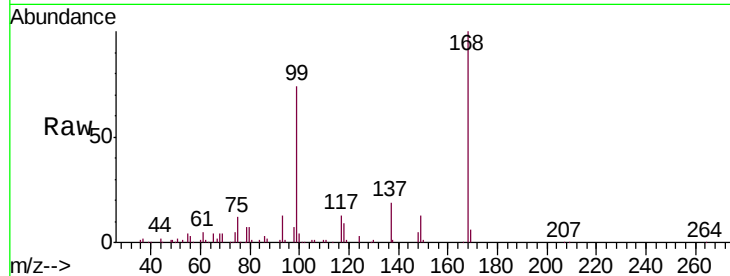
BFB

Tgt Ion:168 Resp: 135828

Ion Ratio Lower Upper

168 100

99 74.1 59.0 88.6

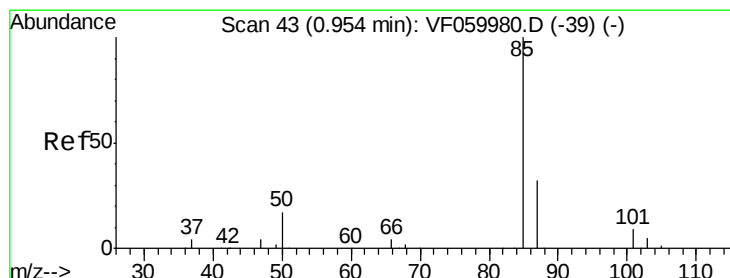
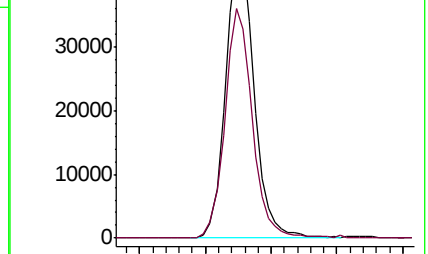
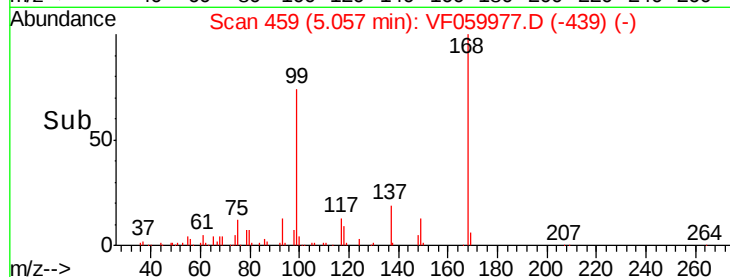


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

Time-->



#2

Dichlorodifluoromethane

Concen: 5.555 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF059977.D

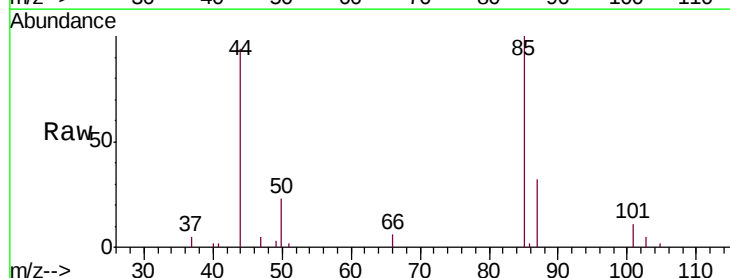
Acq: 17 Aug 2018 17:09

Tgt Ion: 85 Resp: 12778

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7

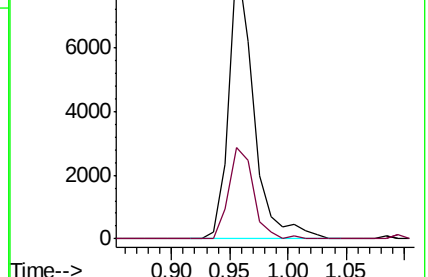
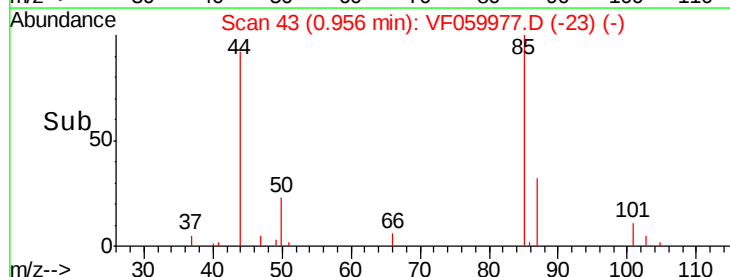


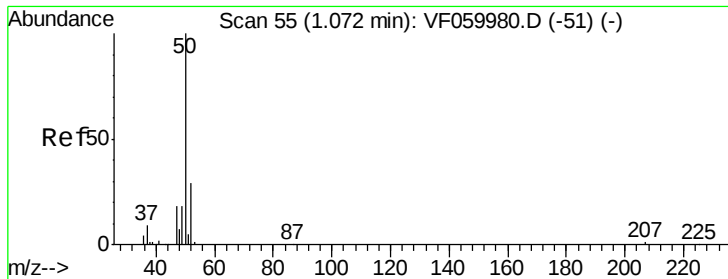
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

Time-->





#3

Chloromethane

Concen: 6.525 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

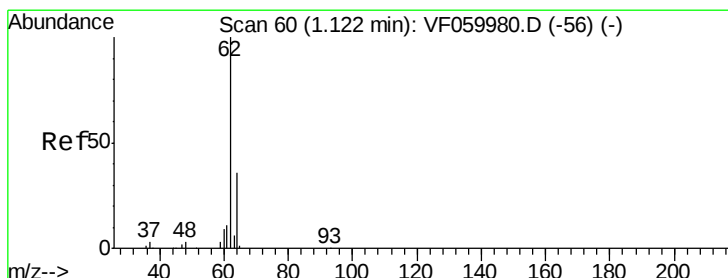
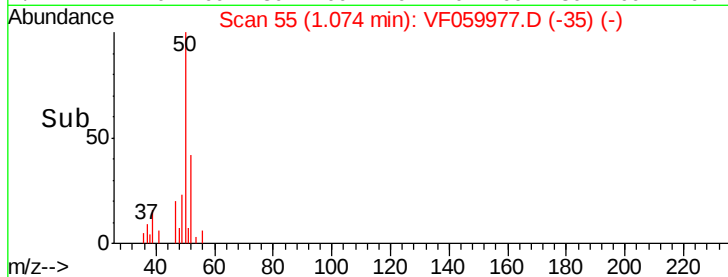
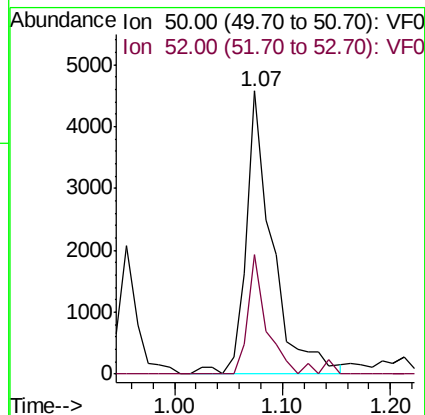
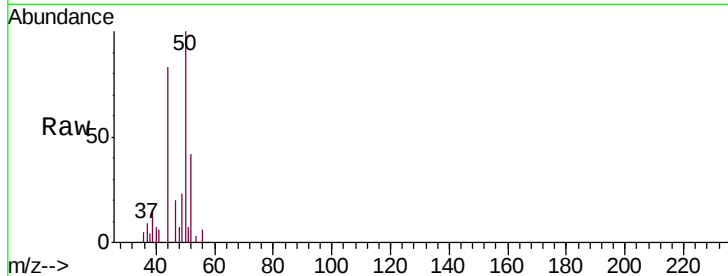
BFB

Tgt Ion: 50 Resp: 7729

Ion Ratio Lower Upper

50 100

52 42.4 23.6 35.4#



#4

Vinyl Chloride

Concen: 5.180 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF059977.D

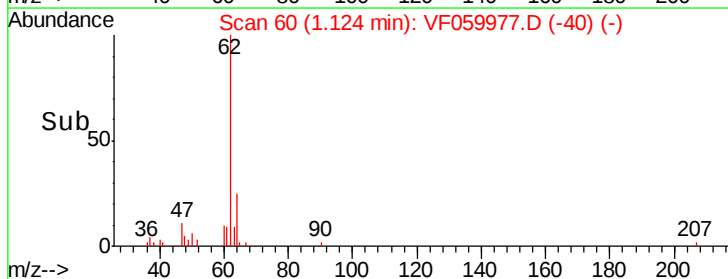
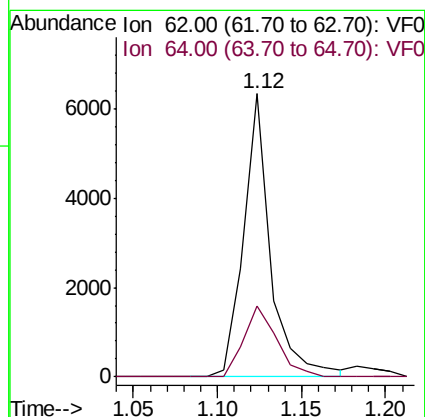
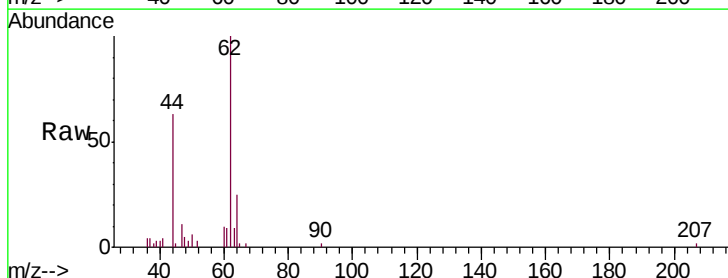
Acq: 17 Aug 2018 17:09

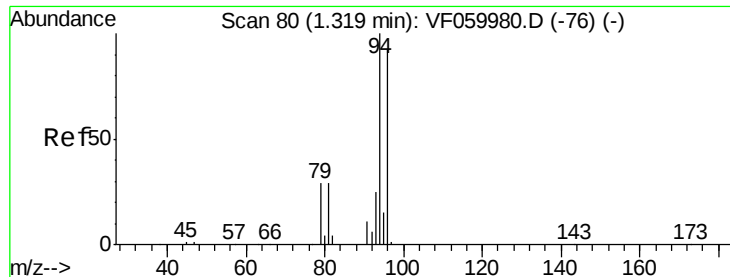
Tgt Ion: 62 Resp: 7043

Ion Ratio Lower Upper

62 100

64 24.9 28.7 43.1#





#5

Bromomethane

Concen: 6.747 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

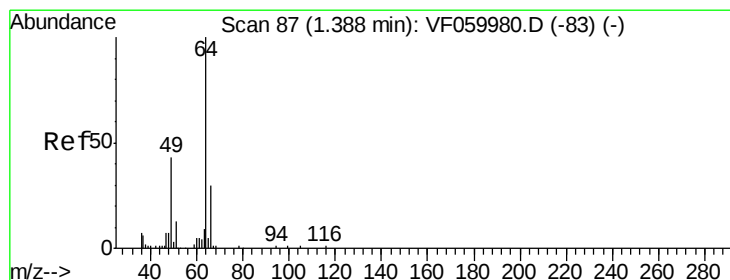
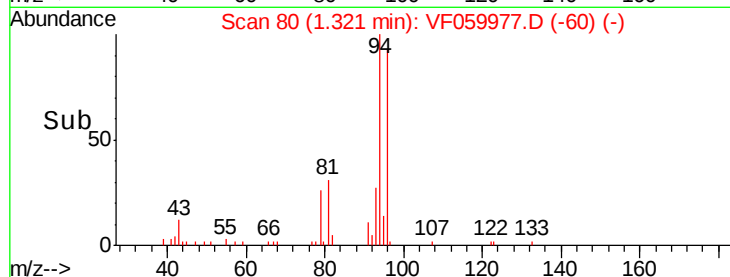
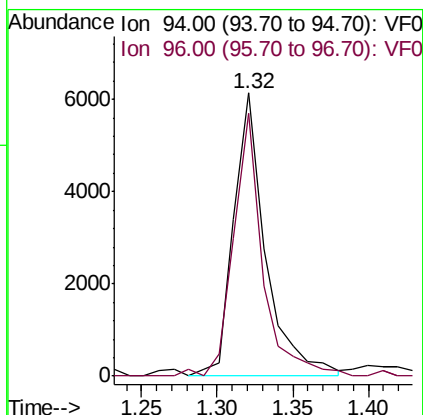
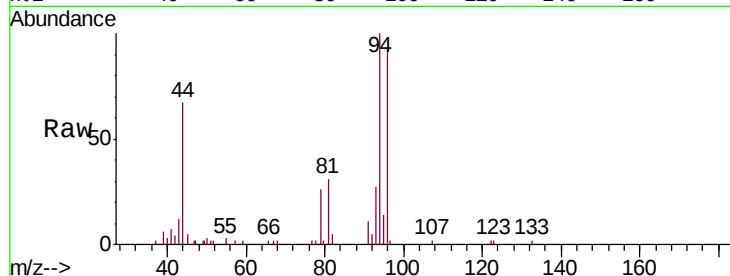
BFB

Tgt Ion: 94 Resp: 8977

Ion Ratio Lower Upper

94 100

96 94.7 73.9 110.9



#6

Chloroethane

Concen: 5.646 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF059977.D

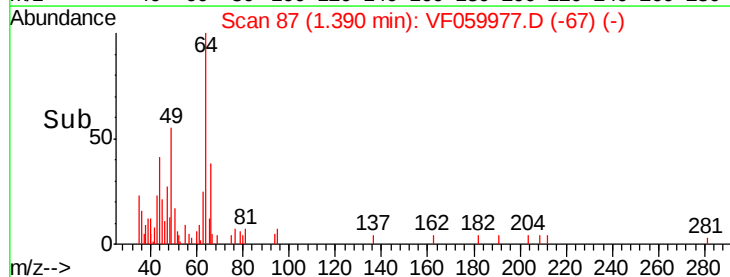
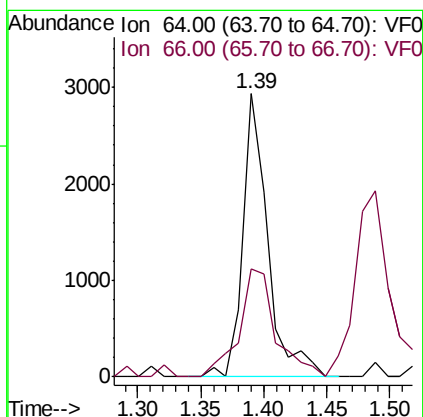
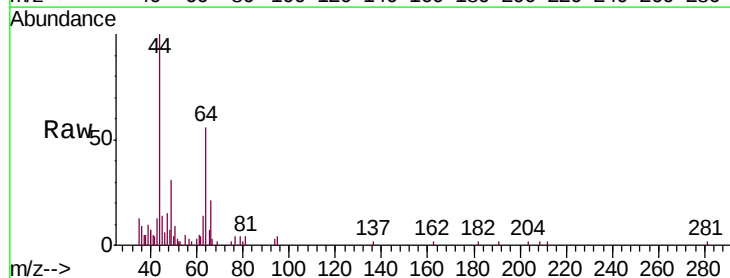
Acq: 17 Aug 2018 17:09

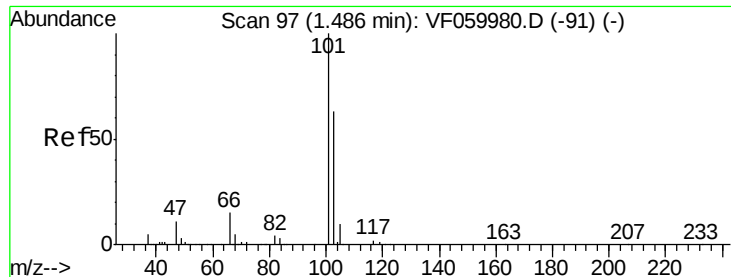
Tgt Ion: 64 Resp: 4011

Ion Ratio Lower Upper

64 100

66 38.1 24.4 36.6#





#7

Trichlorofluoromethane

Concen: 6.105 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

Lab File: VF059977.D

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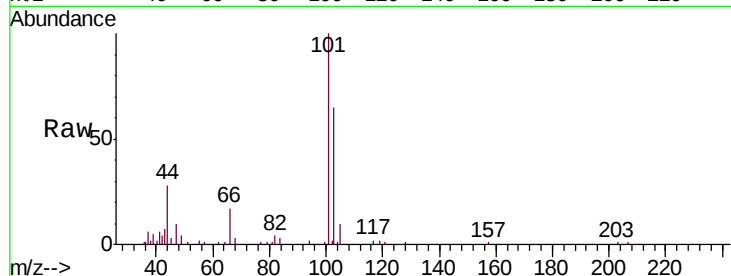
BFB

Tgt Ion:101 Resp: 22438

Ion Ratio Lower Upper

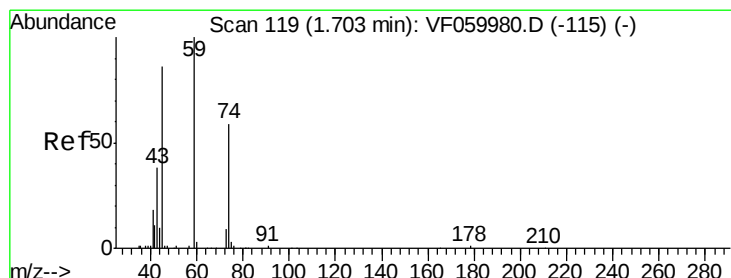
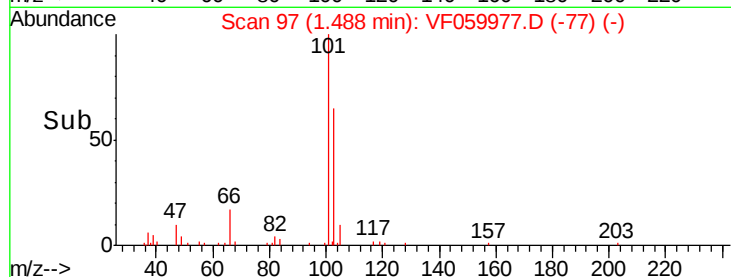
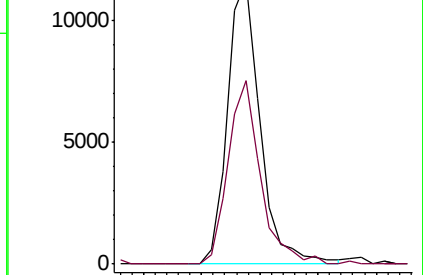
101 100

103 64.9 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 4.948 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059977.D

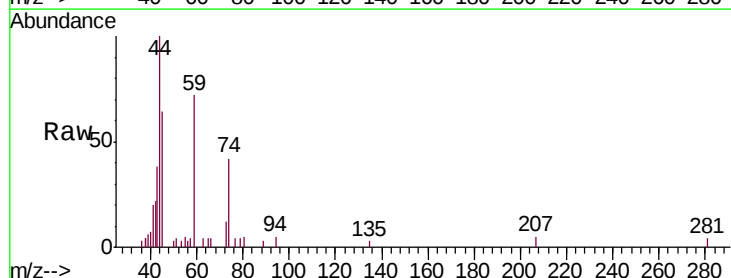
Acq: 17 Aug 2018 17:09

Tgt Ion: 74 Resp: 2906

Ion Ratio Lower Upper

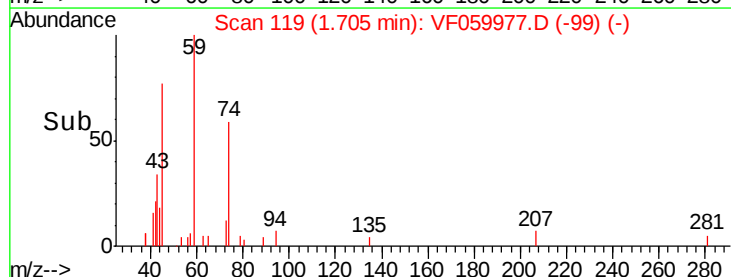
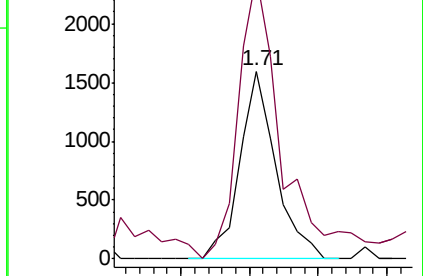
74 100

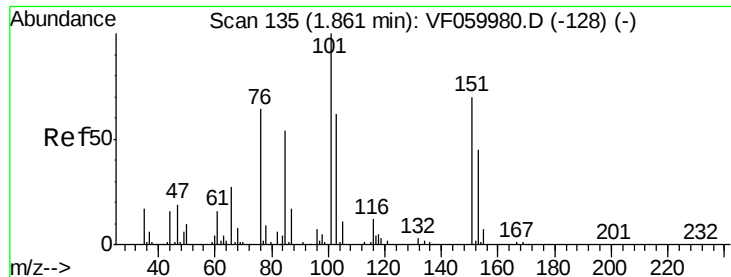
45 150.9 73.5 220.3



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: 5.772 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.00 min

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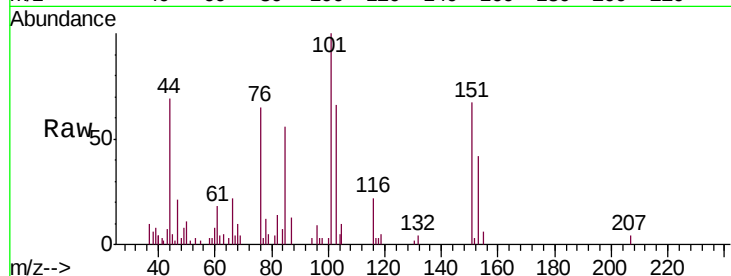
Tgt Ion:101 Resp: 10649

Ion Ratio Lower Upper

101 100

85 56.1 43.0 64.6

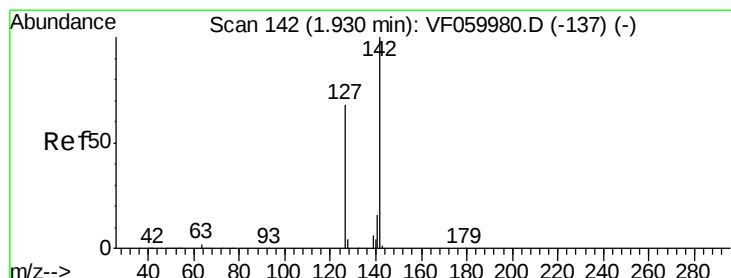
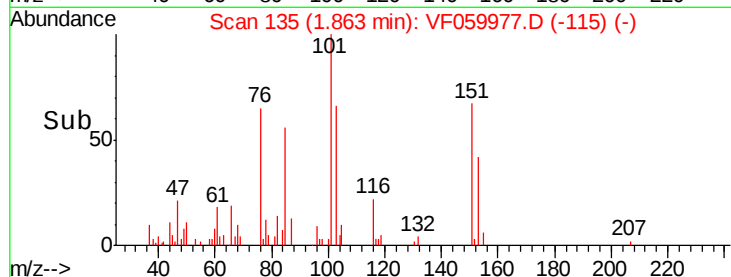
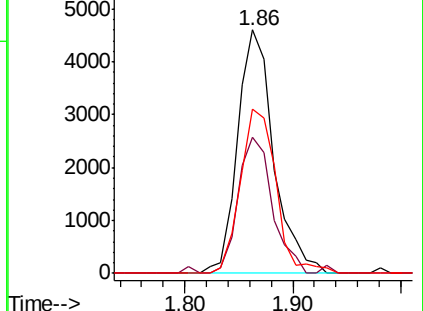
151 67.3 56.2 84.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 5.105 ug/l

RT: 1.94 min Scan# 143

Delta R.T. 0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

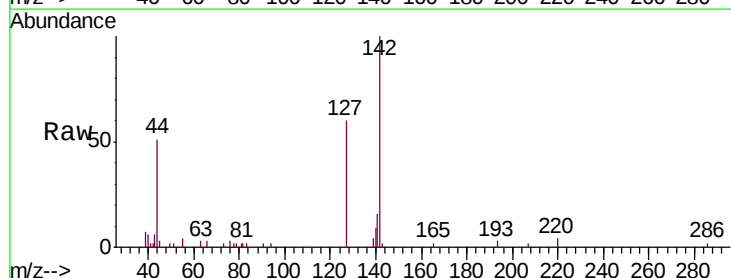
Tgt Ion:142 Resp: 12000

Ion Ratio Lower Upper

142 100

127 60.3 54.1 81.1

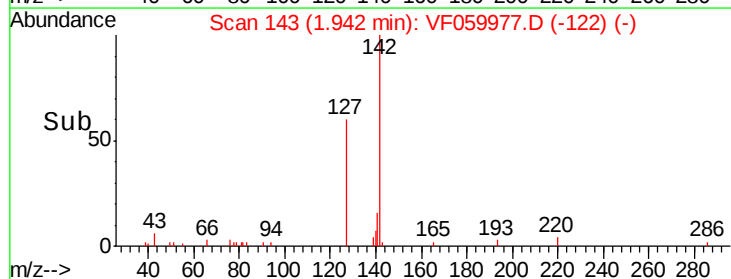
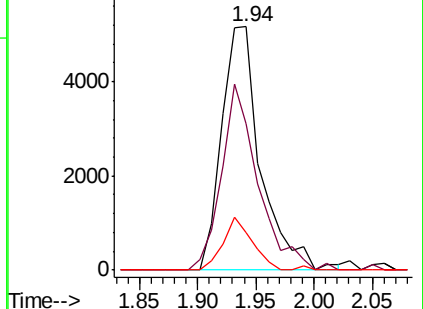
141 15.5 12.5 18.7

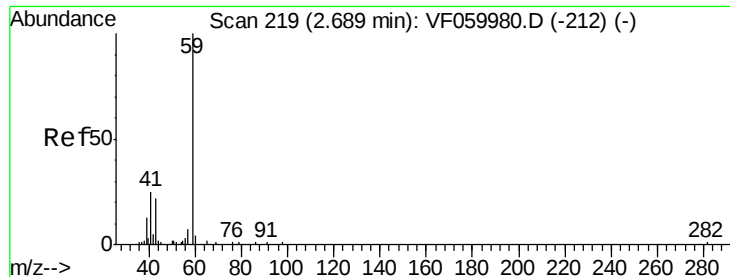


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

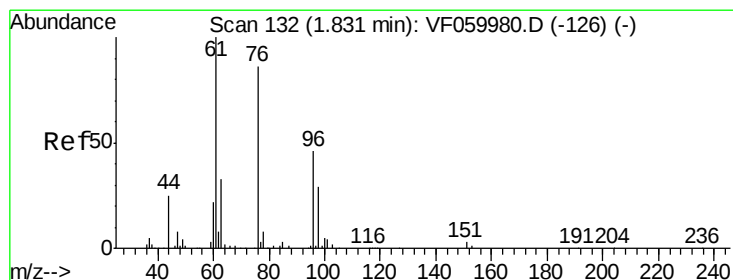
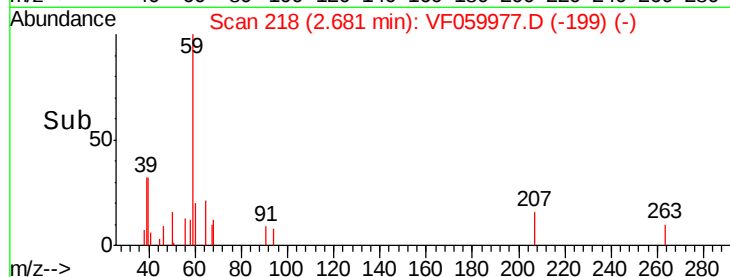
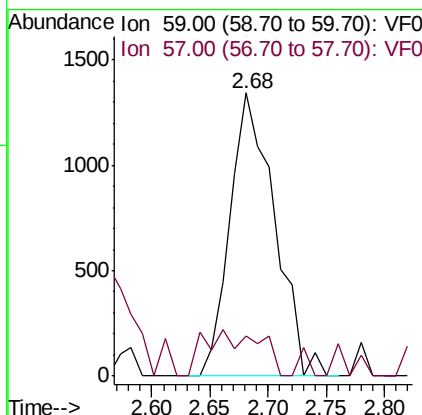
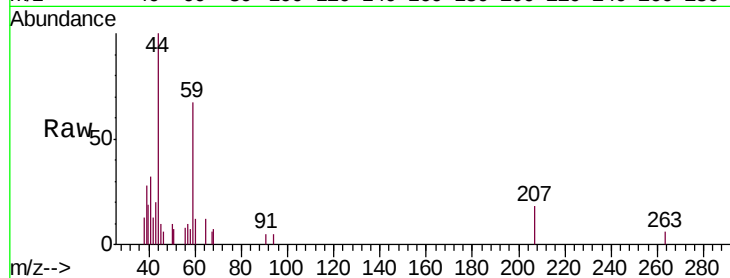




#11
Tert butyl alcohol
Concen: 21.810 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

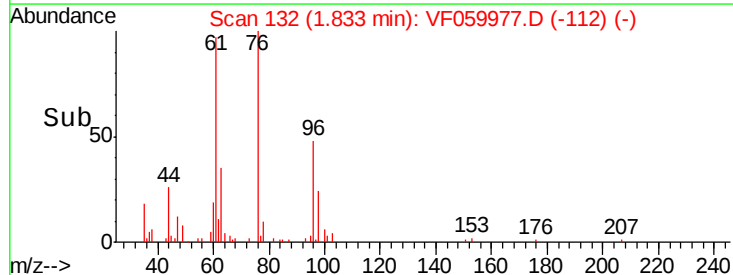
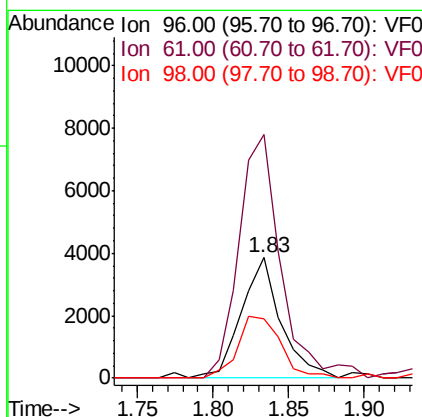
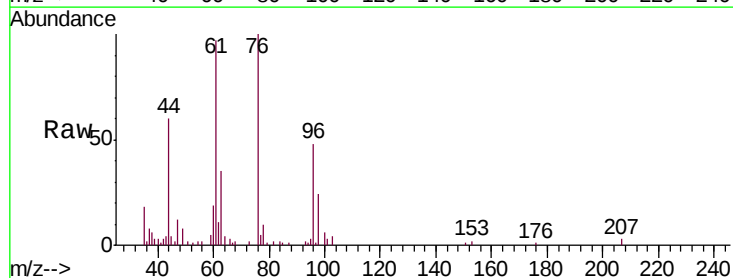
Instrument :
MSVOA_F
ClientSampleId :
BFB

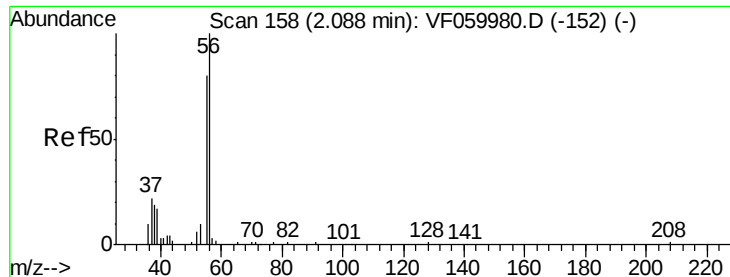
Tgt Ion: 59 Resp: 3554
Ion Ratio Lower Upper
59 100
57 14.2 6.8 10.2#



#12
1,1-Dichloroethene
Concen: 5.510 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion: 96 Resp: 7039
Ion Ratio Lower Upper
96 100
61 201.8 175.6 263.4
98 48.8 50.6 75.8#





#13

Acrolein

Concen: 17.599 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampled :

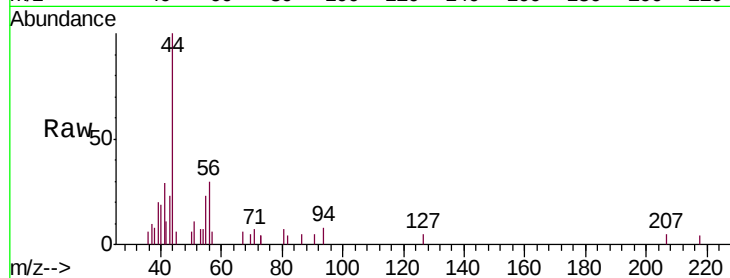
BFB

Tgt Ion: 56 Resp: 1515

Ion Ratio Lower Upper

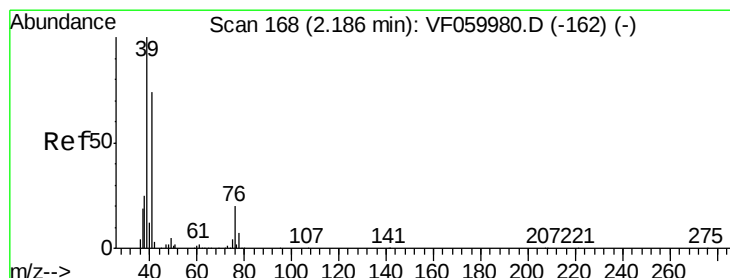
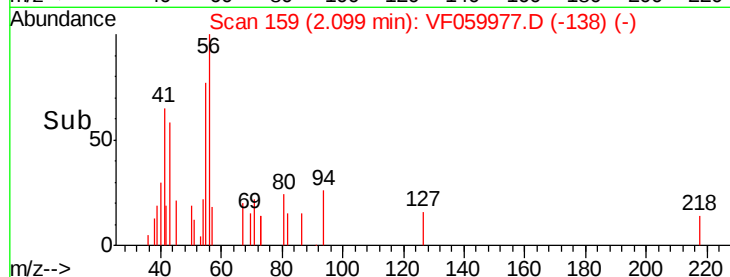
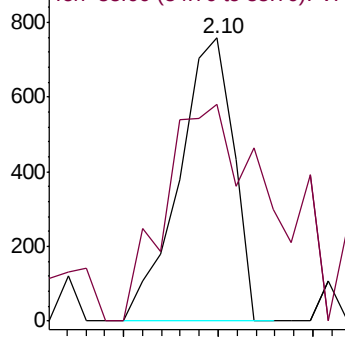
56 100

55 76.6 63.8 95.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 6.221 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

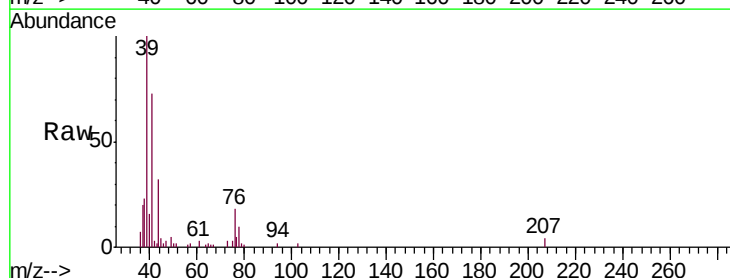
Tgt Ion: 41 Resp: 13490

Ion Ratio Lower Upper

41 100

39 136.5 109.3 163.9

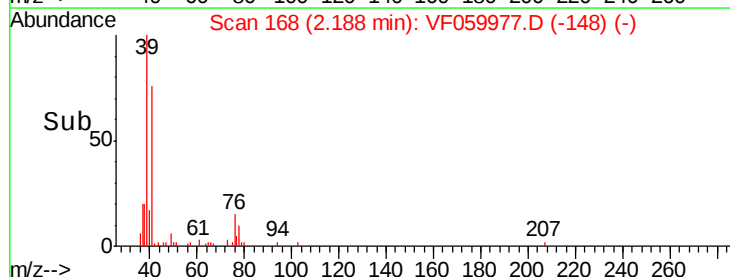
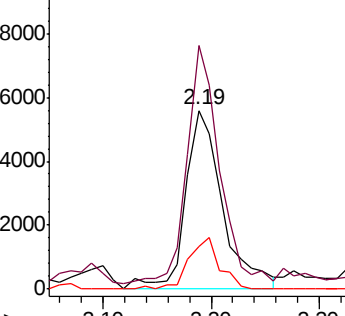
76 23.9 21.3 31.9

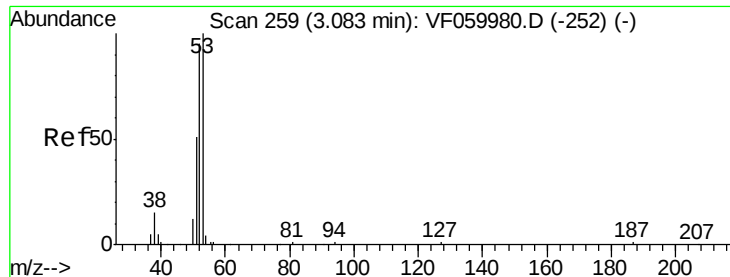


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 25.388 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

BFB

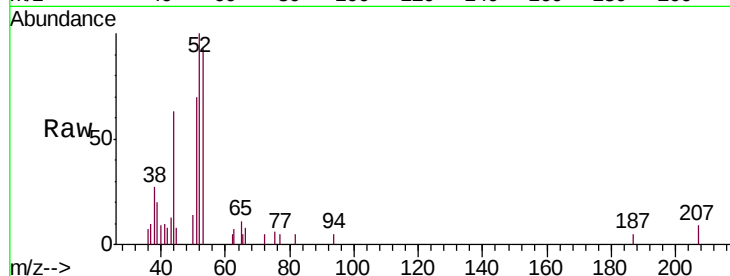
Tgt Ion: 53 Resp: 6873

Ion Ratio Lower Upper

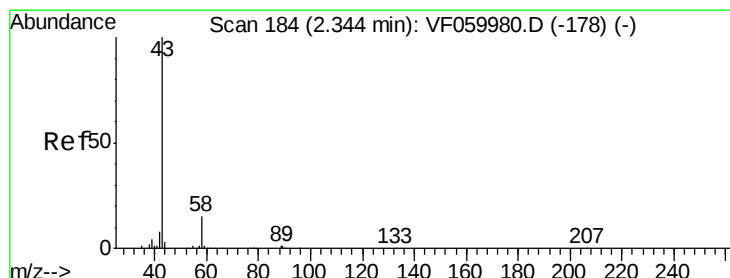
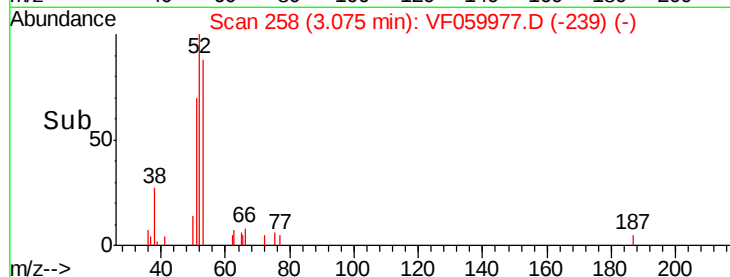
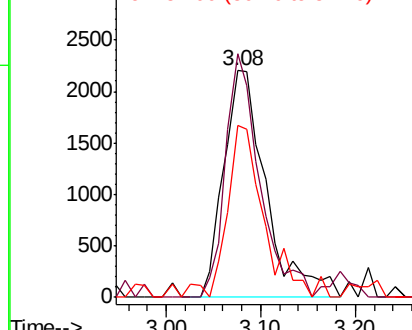
53 100

52 107.4 76.0 114.0

51 75.7 41.9 62.9#



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 28.899 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059977.D

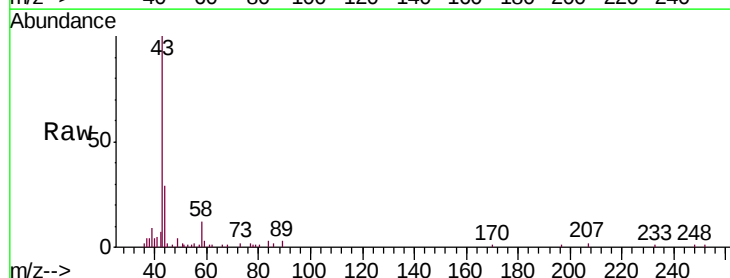
Acq: 17 Aug 2018 17:09

Tgt Ion: 43 Resp: 24588

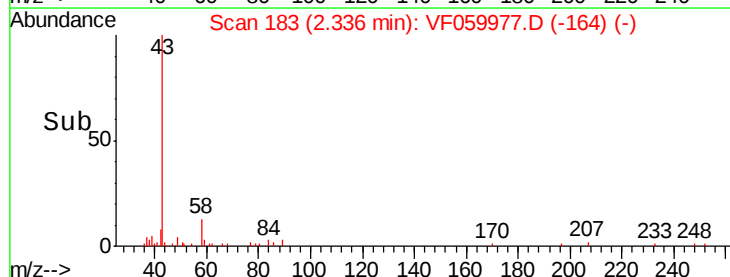
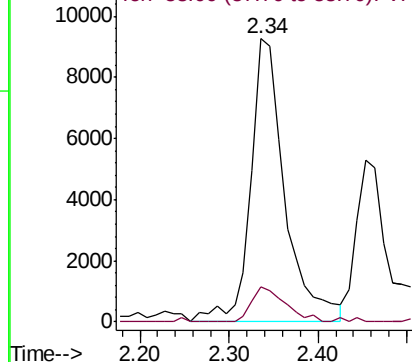
Ion Ratio Lower Upper

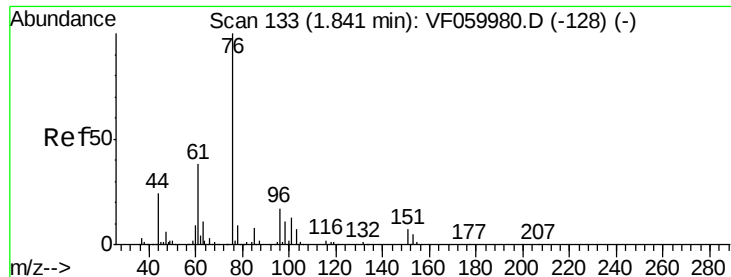
43 100

58 12.4 11.9 17.9



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





#17

Carbon Disulfide

Concen: 5.614 ug/l

RT: 1.84 min Scan# 133

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

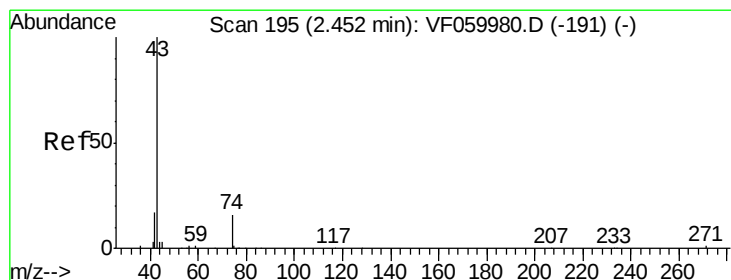
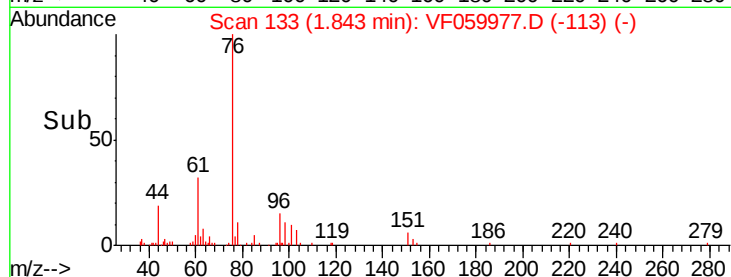
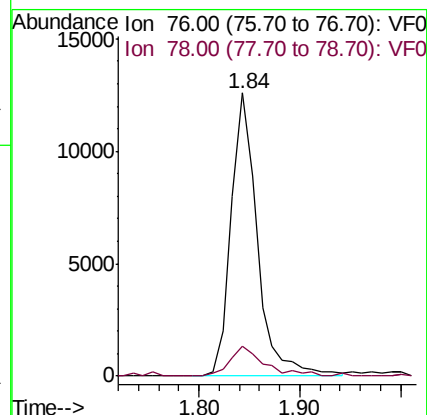
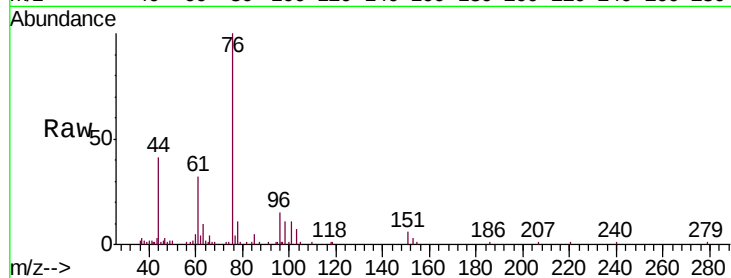
BFB

Tgt Ion: 76 Resp: 22837

Ion Ratio Lower Upper

76 100

78 10.7 7.2 10.8



#18

Methyl Acetate

Concen: 6.820 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059977.D

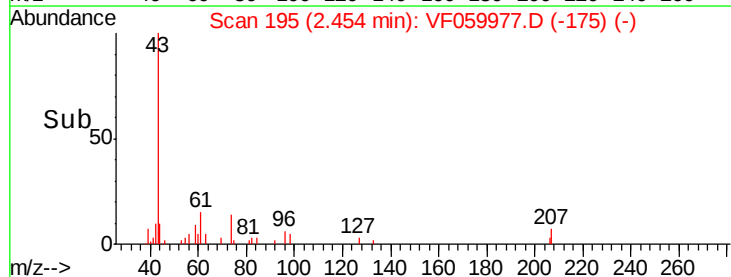
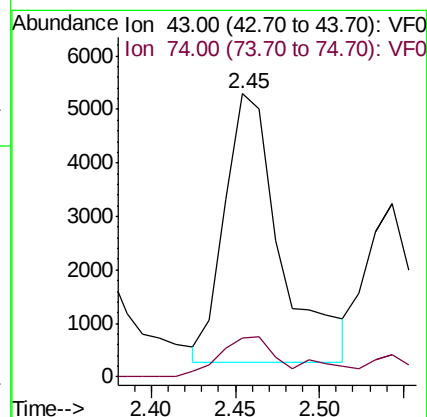
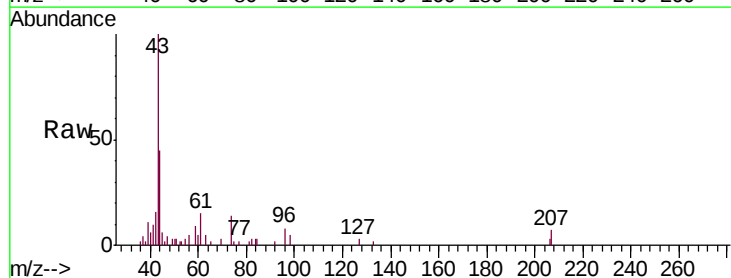
Acq: 17 Aug 2018 17:09

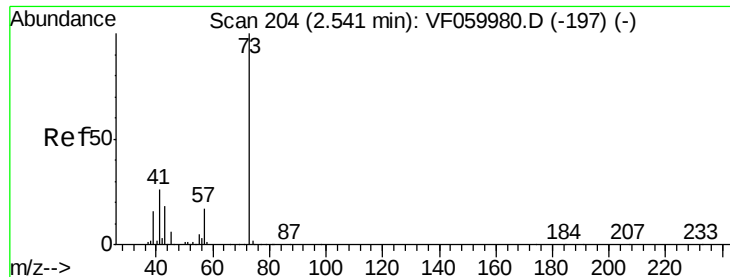
Tgt Ion: 43 Resp: 11525

Ion Ratio Lower Upper

43 100

74 13.6 12.3 18.5





#19

Methyl tert-butyl Ether

Concen: 4.972 ug/l

RT: 2.53 min Scan# 203

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

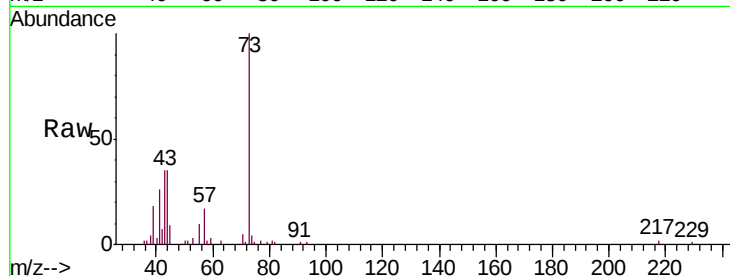
BFB

Tgt Ion: 73 Resp: 21453

Ion Ratio Lower Upper

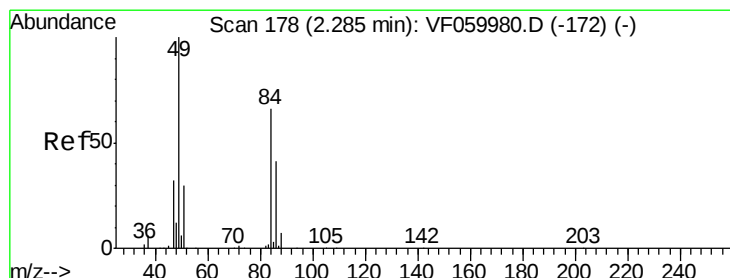
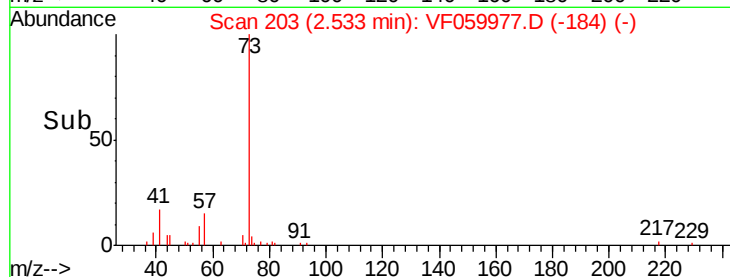
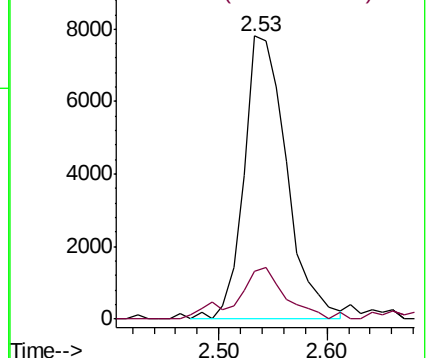
73 100

57 17.1 14.2 21.2



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



#20

Methylene Chloride

Concen: 8.115 ug/l

RT: 2.29 min Scan# 178

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion: 84 Resp: 14557

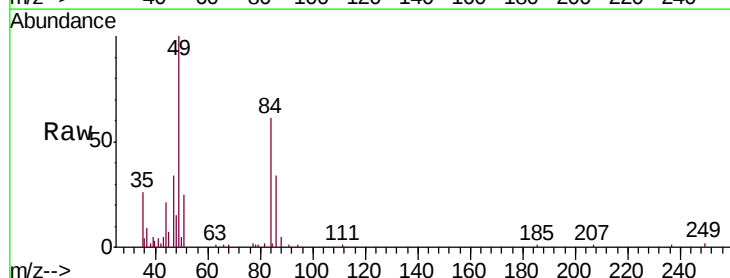
Ion Ratio Lower Upper

84 100

49 160.5 122.5 183.7

51 39.9 37.1 55.7

86 54.4 50.2 75.2

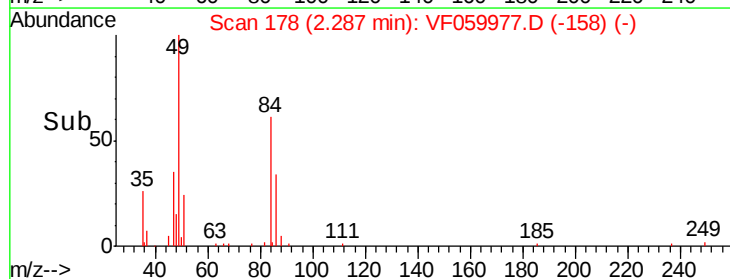
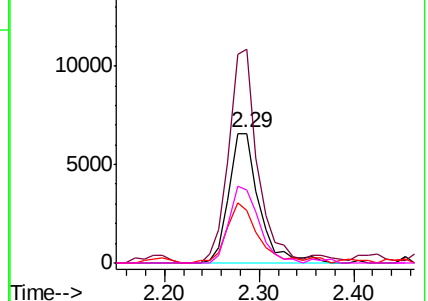


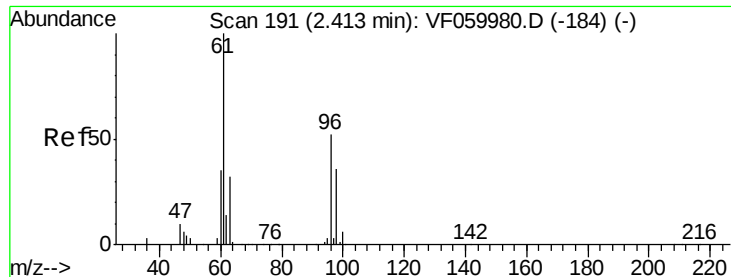
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#21

trans-1,2-Dichloroethene

Concen: 5.767 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

BFB

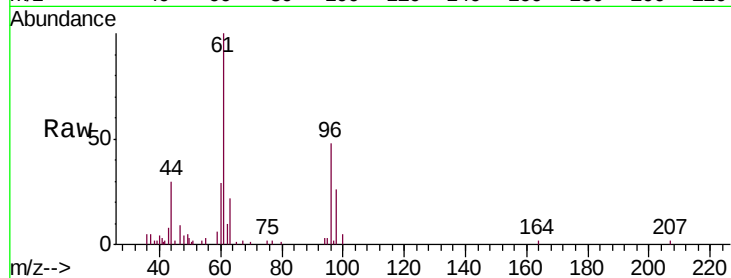
Tgt Ion: 96 Resp: 7854

Ion Ratio Lower Upper

96 100

61 209.3 153.0 229.4

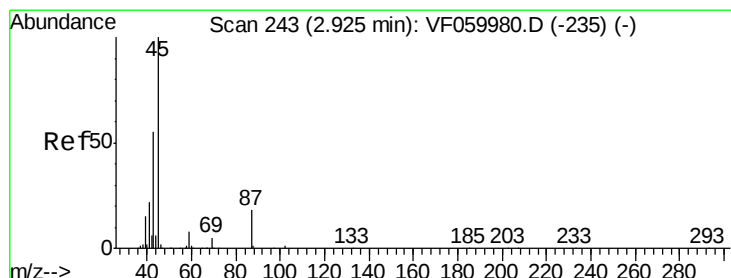
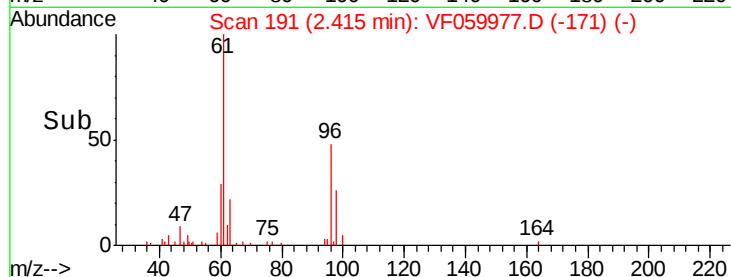
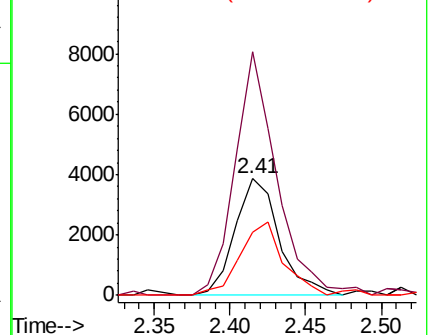
98 54.4 55.5 83.3#



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: 5.107 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion: 45 Resp: 23909

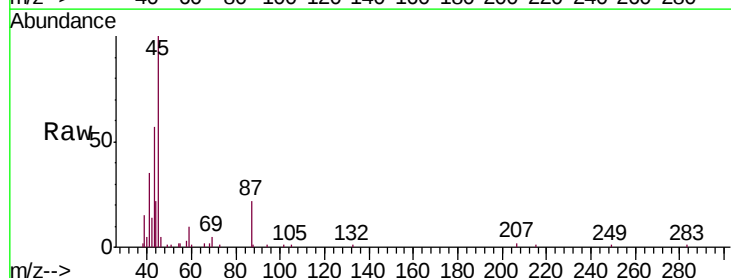
Ion Ratio Lower Upper

45 100

43 56.9 44.8 67.2

87 21.6 14.6 21.8

59 10.4 6.8 10.2#

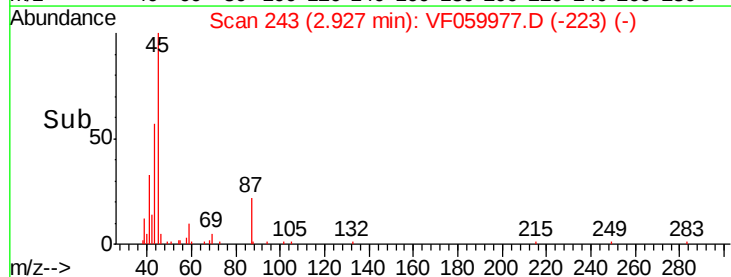
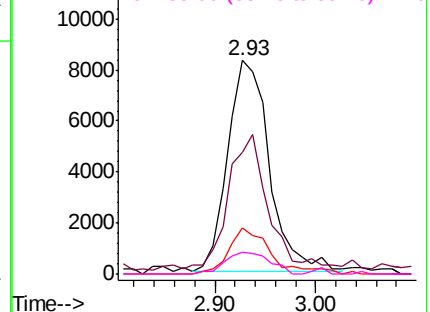


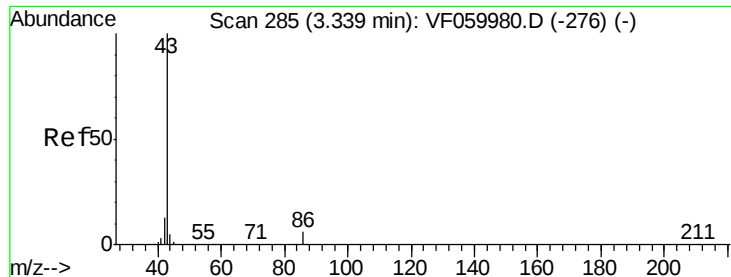
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 20.639 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

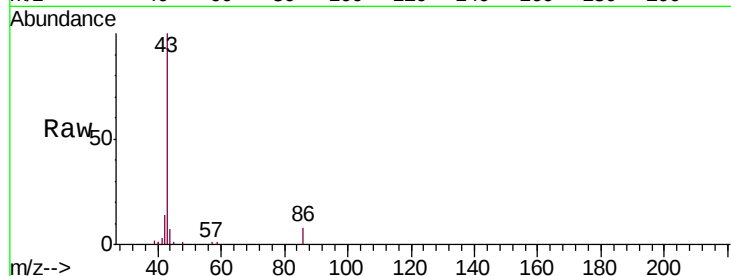
BFB

Tgt Ion: 43 Resp: 39581

Ion Ratio Lower Upper

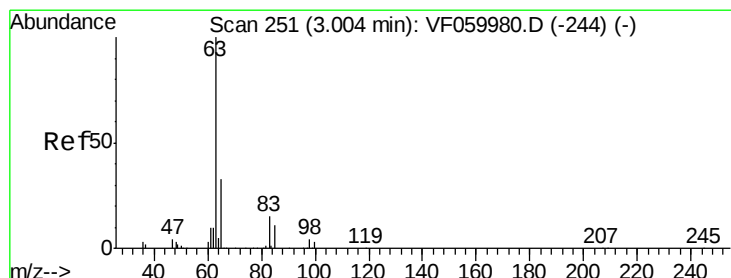
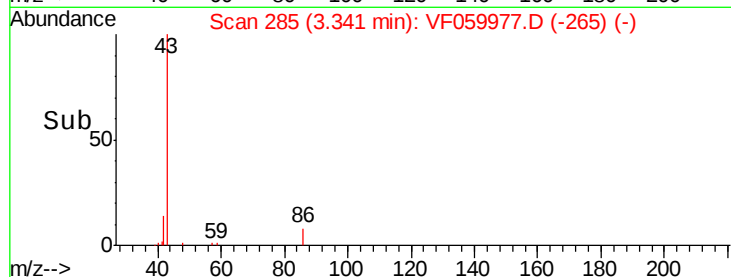
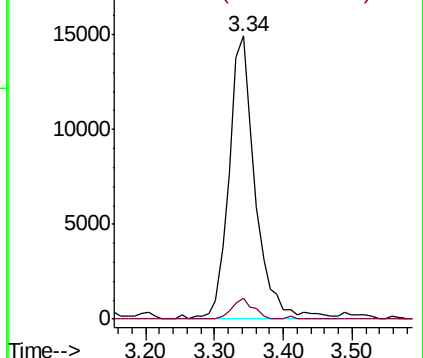
43 100

86 7.5 4.4 6.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 5.280 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

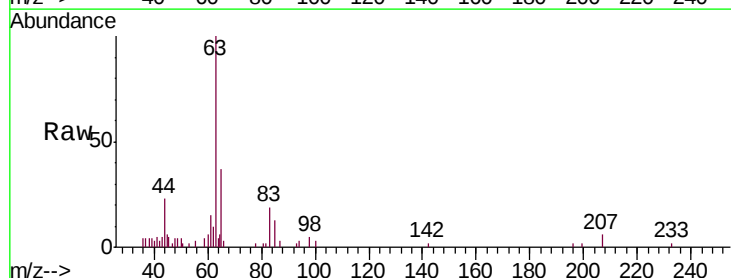
Tgt Ion: 63 Resp: 16267

Ion Ratio Lower Upper

63 100

98 5.3 2.0 5.8

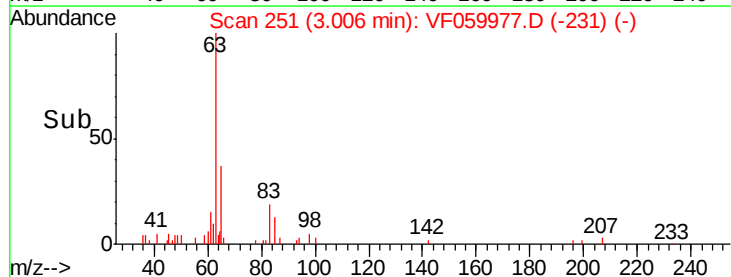
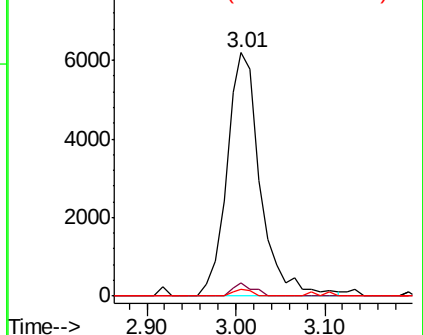
100 2.7 1.4 4.2

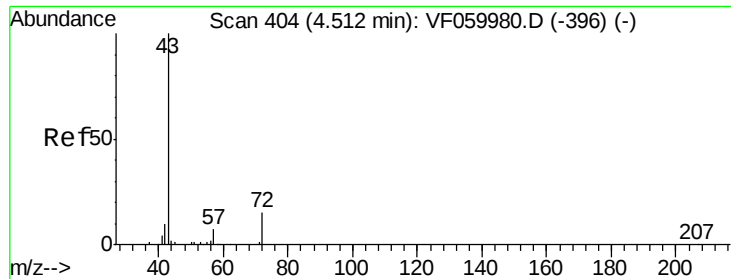


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 26.799 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampled :

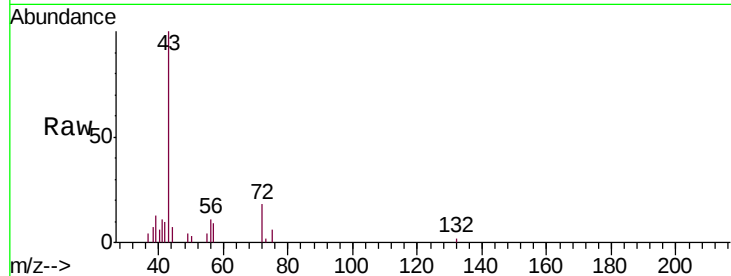
BFB

Tgt Ion: 43 Resp: 17837

Ion Ratio Lower Upper

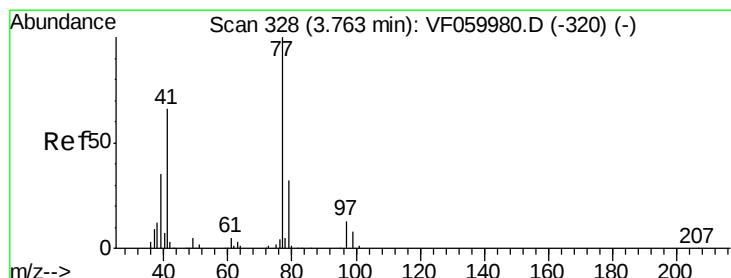
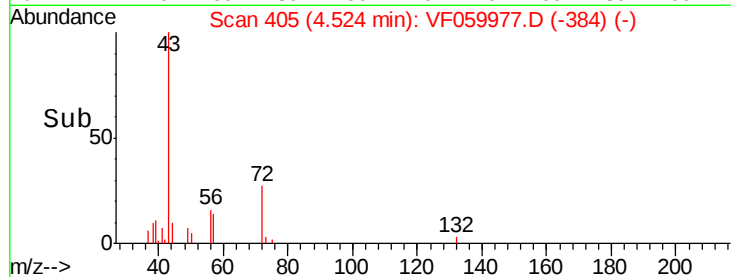
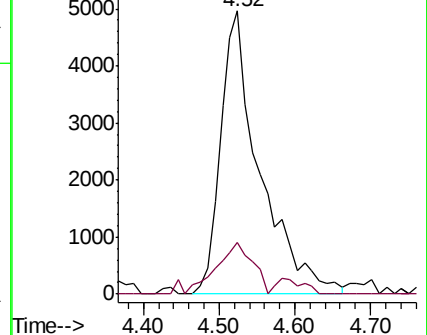
43 100

72 18.4 12.5 18.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 4.411 ug/l

RT: 3.77 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF059977.D

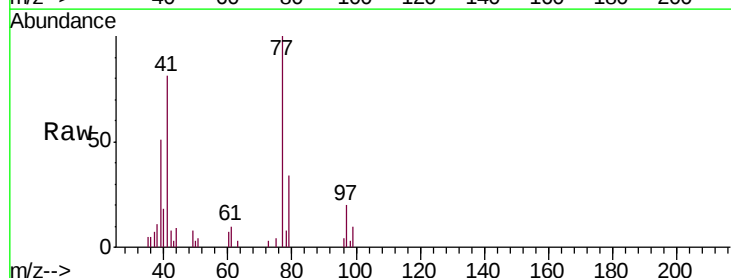
Acq: 17 Aug 2018 17:09

Tgt Ion: 77 Resp: 11861

Ion Ratio Lower Upper

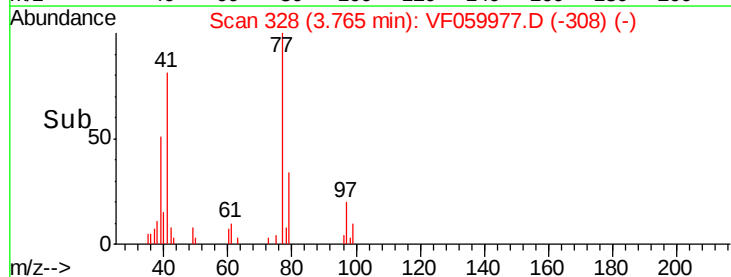
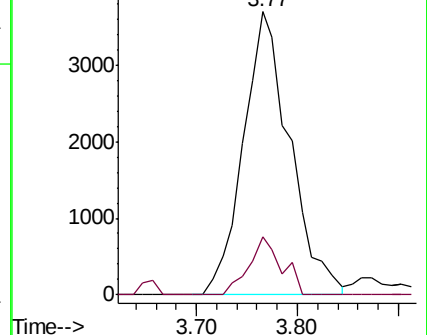
77 100

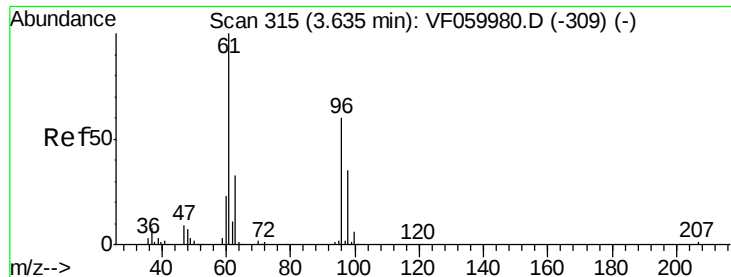
97 20.4 6.7 20.0#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

cis-1,2-Dichloroethene

Concen: 4.843 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

BFB

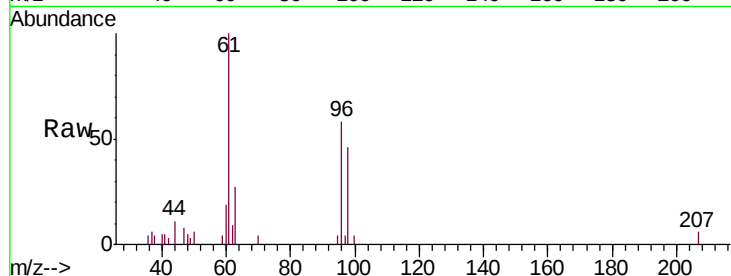
Tgt Ion: 96 Resp: 6016

Ion Ratio Lower Upper

96 100

61 172.9 0.0 335.0

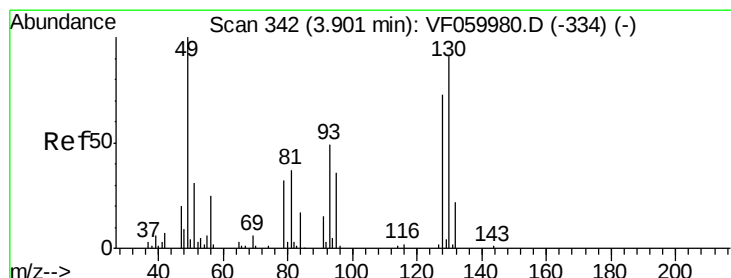
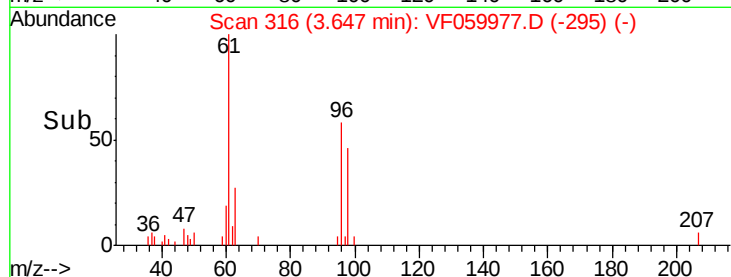
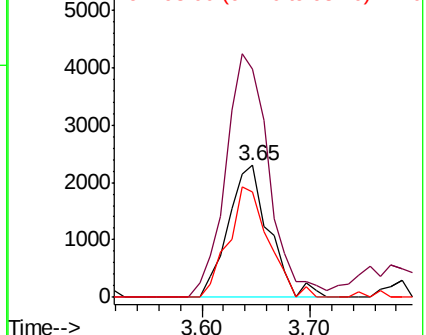
98 79.7 0.0 117.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane

Concen: 5.011 ug/l

RT: 3.88 min Scan# 340

Delta R.T. -0.02 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

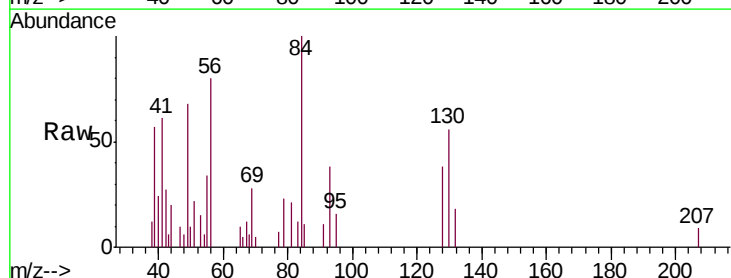
Tgt Ion: 49 Resp: 4404

Ion Ratio Lower Upper

49 100

129 0.0 0.0 7.6

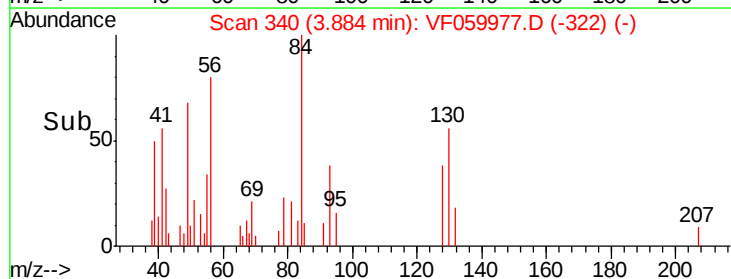
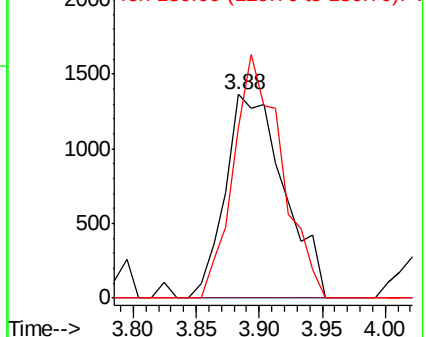
130 83.6 71.3 106.9

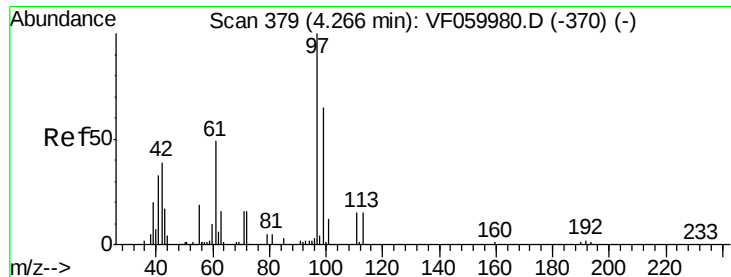


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 26.502 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

BFB

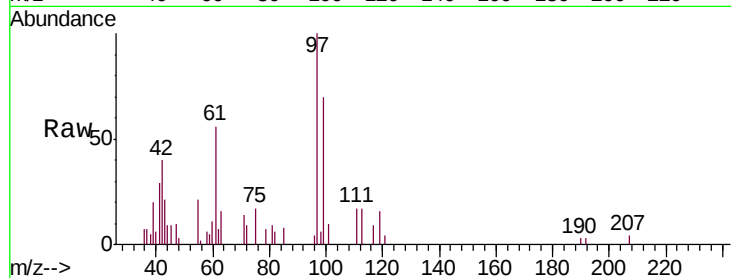
Tgt Ion: 42 Resp: 6300

Ion Ratio Lower Upper

42 100

72 27.8 29.8 44.6#

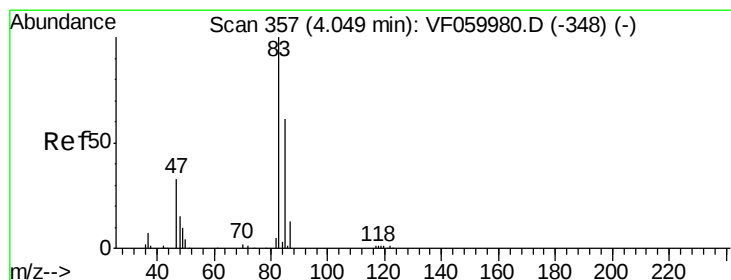
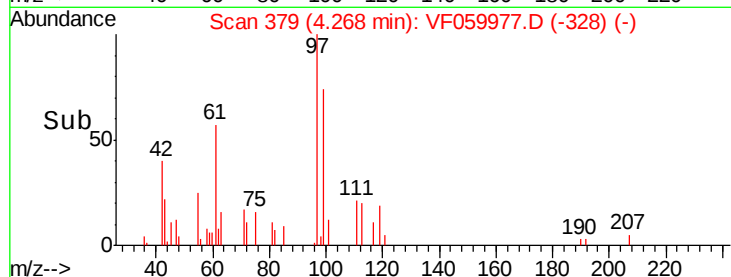
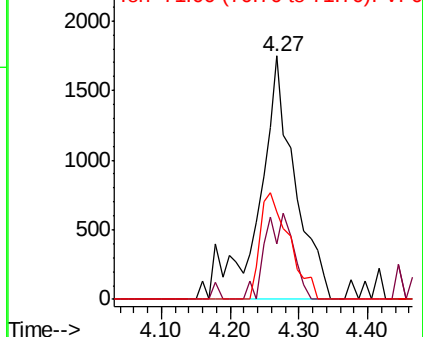
71 35.8 29.0 43.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 5.149 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF059977.D

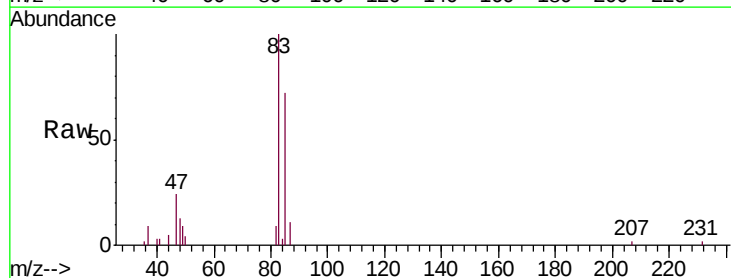
Acq: 17 Aug 2018 17:09

Tgt Ion: 83 Resp: 18082

Ion Ratio Lower Upper

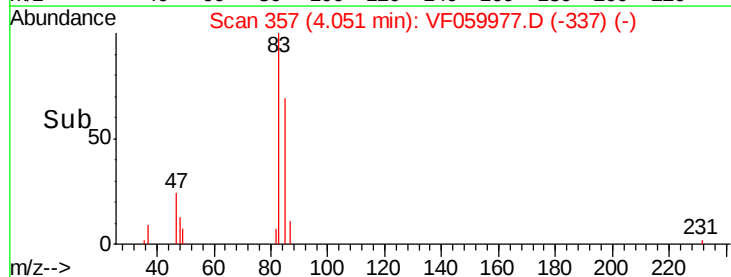
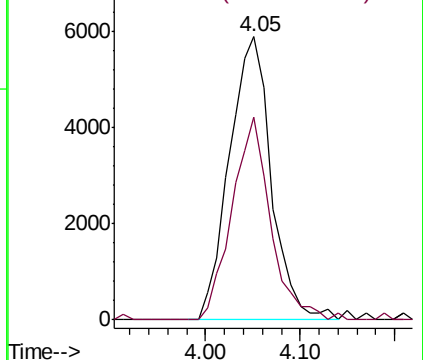
83 100

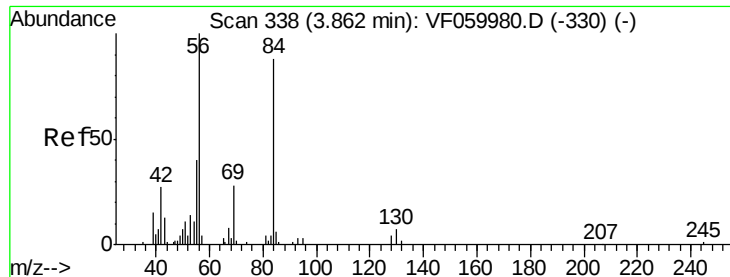
85 71.5 48.8 73.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

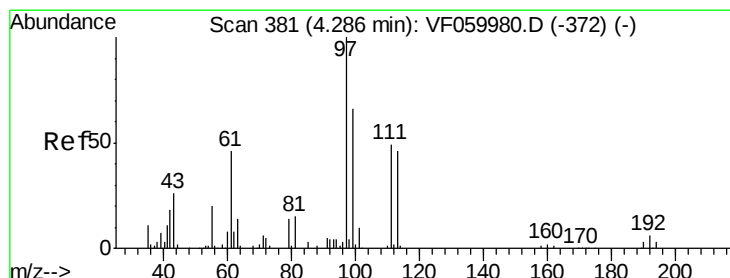
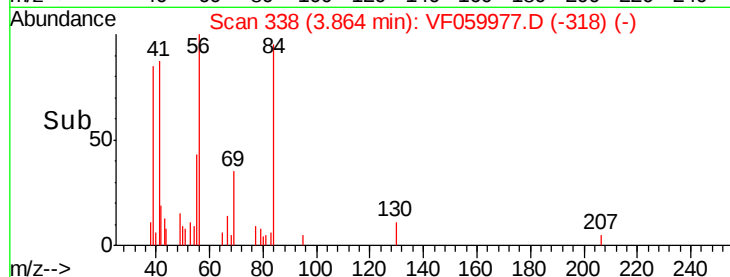
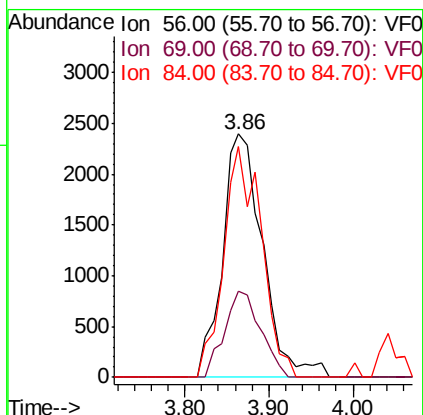
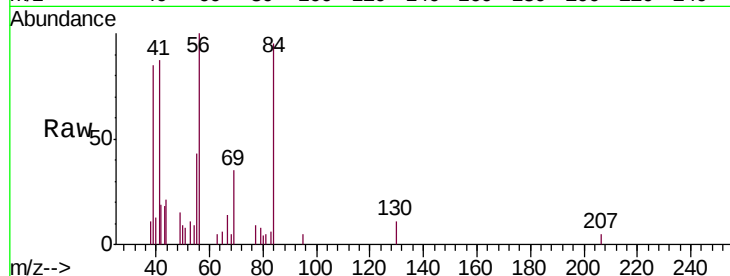




#31
Cyclohexane
Concen: 5.744 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

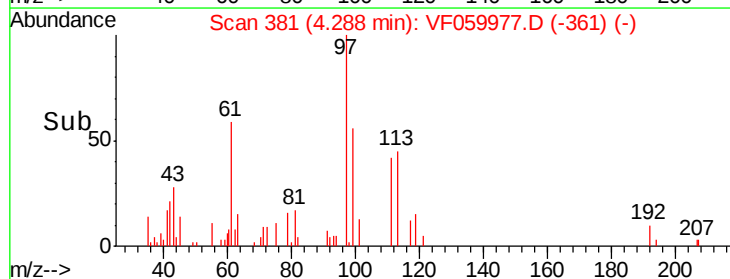
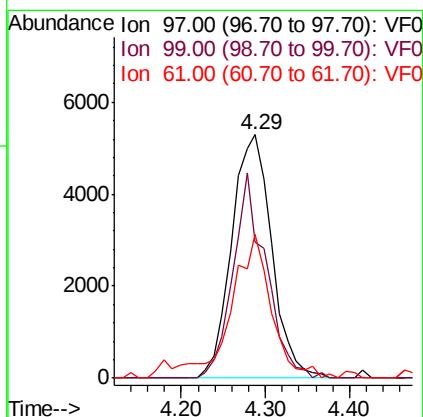
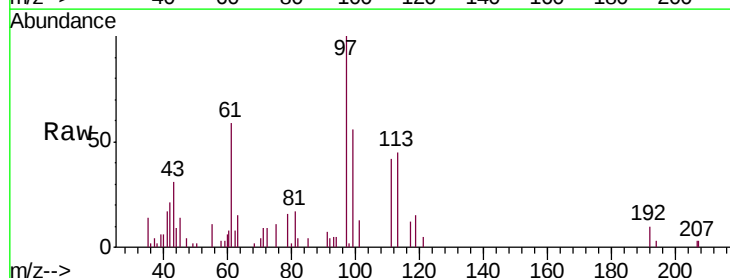
Instrument :
MSVOA_F
ClientSampleId :
BFB

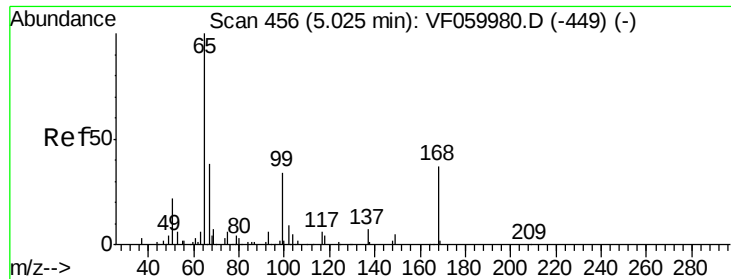
Tgt Ion: 56 Resp: 7952
Ion Ratio Lower Upper
56 100
69 35.4 22.8 34.2#
84 94.7 70.7 106.1



#32
1,1,1-Trichloroethane
Concen: 5.133 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion: 97 Resp: 17562
Ion Ratio Lower Upper
97 100
99 56.0 53.1 79.7
61 59.3 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 4.607 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

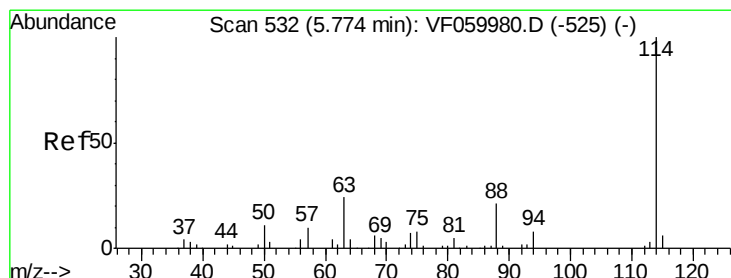
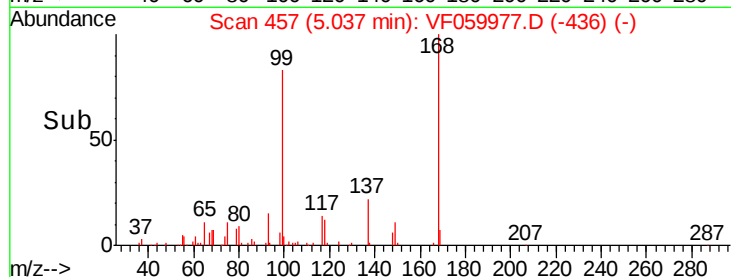
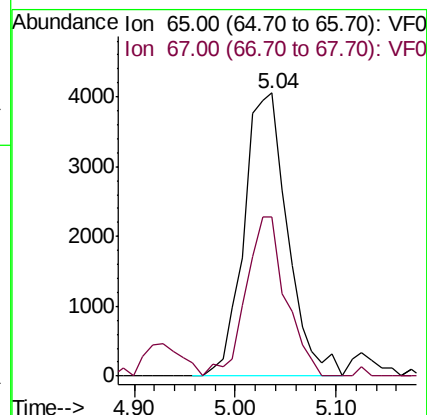
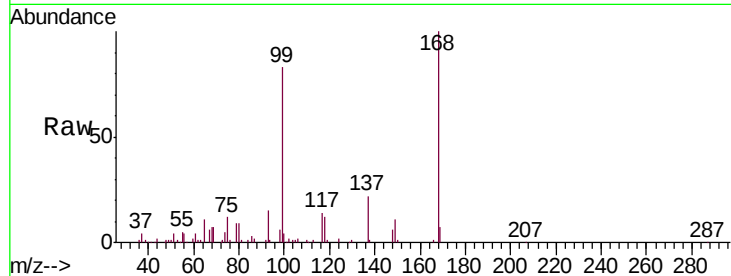
BFB

Tgt Ion: 65 Resp: 12185

Ion Ratio Lower Upper

65 100

67 56.0 0.0 82.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

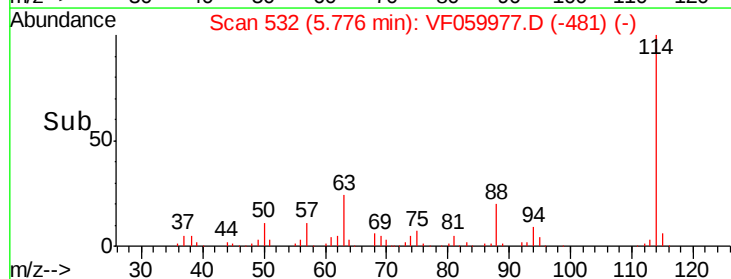
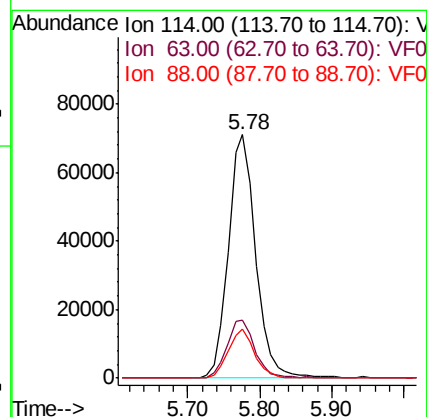
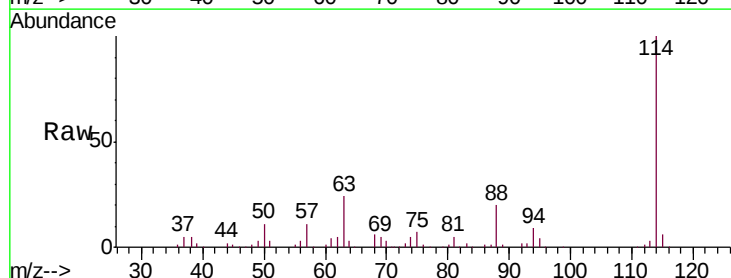
Tgt Ion: 114 Resp: 186715

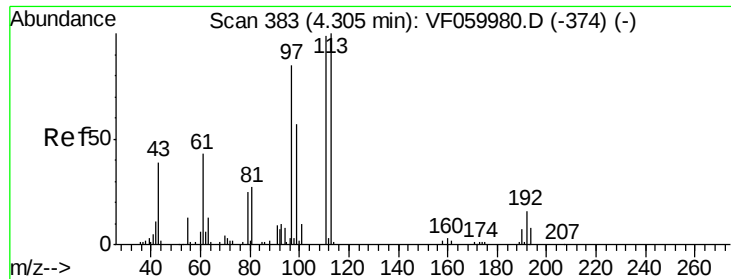
Ion Ratio Lower Upper

114 100

63 23.9 0.0 48.6

88 20.3 0.0 42.8

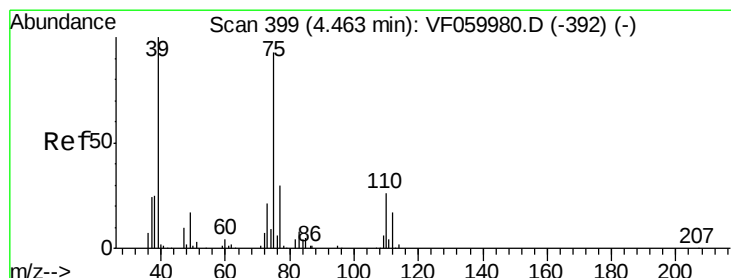
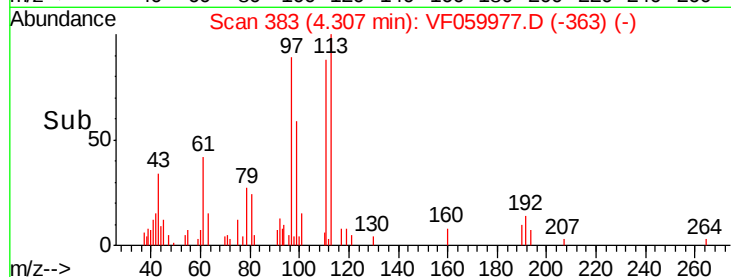
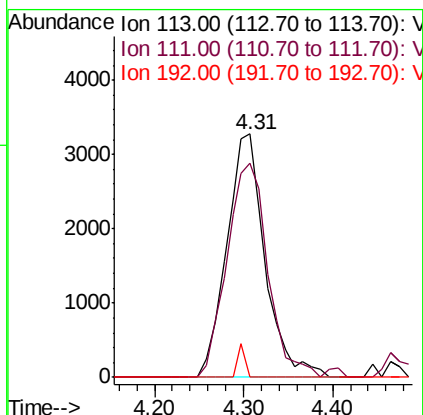
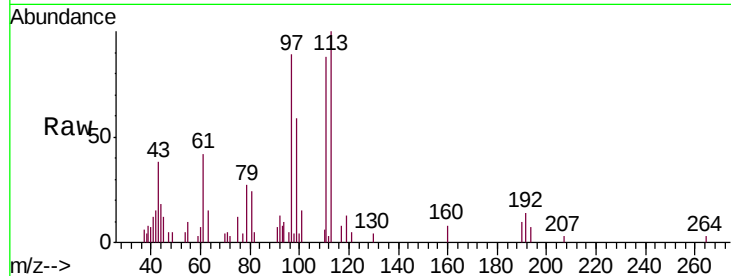




#35
 Dibromofluoromethane
 Concen: 5.169 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

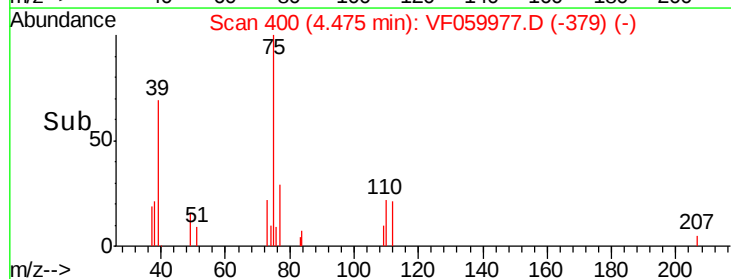
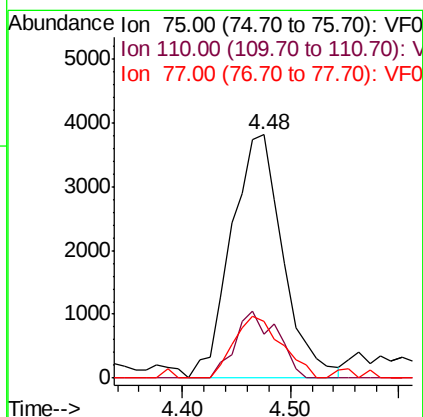
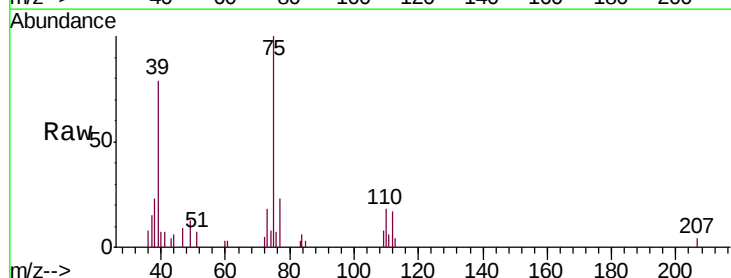
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

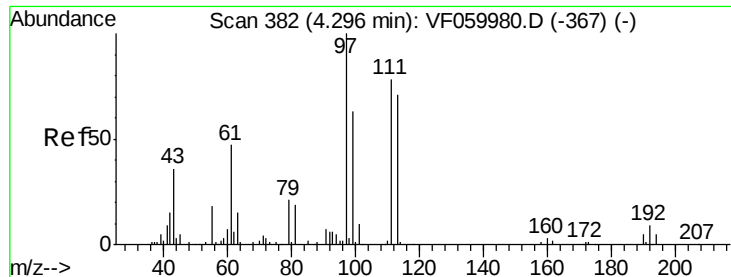
Tgt Ion: 113 Resp: 9822
 Ion Ratio Lower Upper
 113 100
 111 91.3 79.5 119.3
 192 0.0 12.4 18.6#



#36
 1,1-Dichloropropene
 Concen: 5.993 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Tgt Ion: 75 Resp: 12627
 Ion Ratio Lower Upper
 75 100
 110 17.9 13.8 41.4
 77 23.3 25.8 38.8#

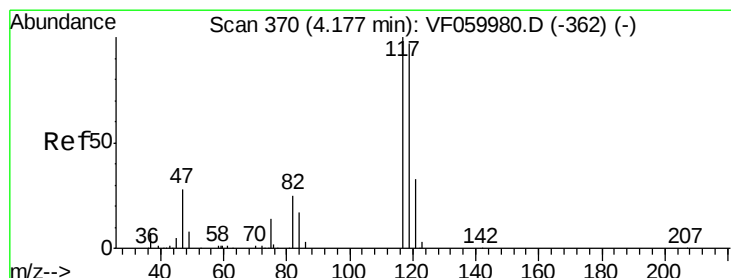
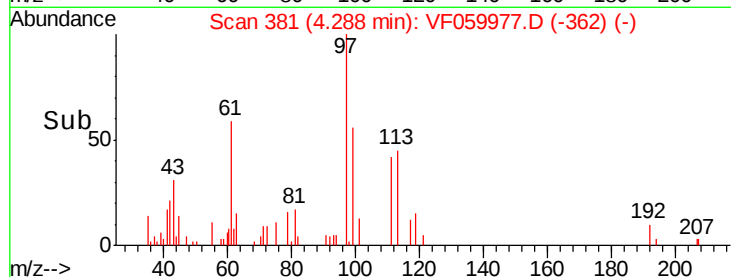
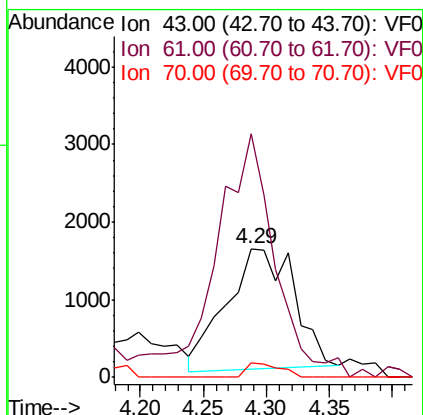
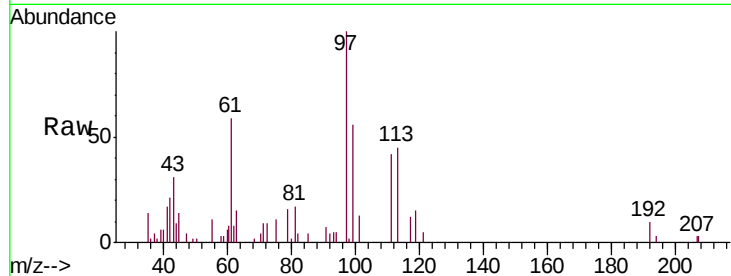




#37
 Ethyl Acetate
 Concen: 4.682 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

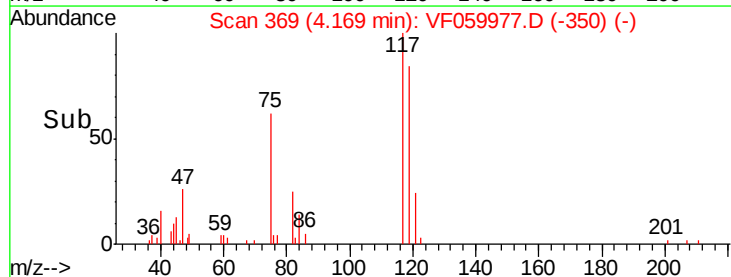
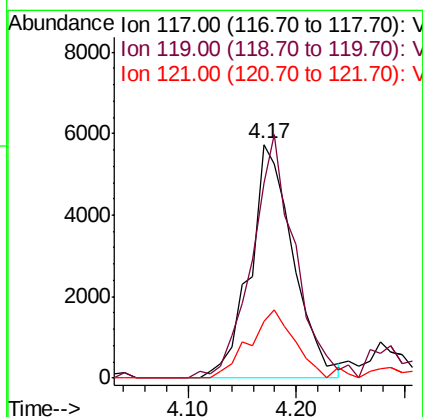
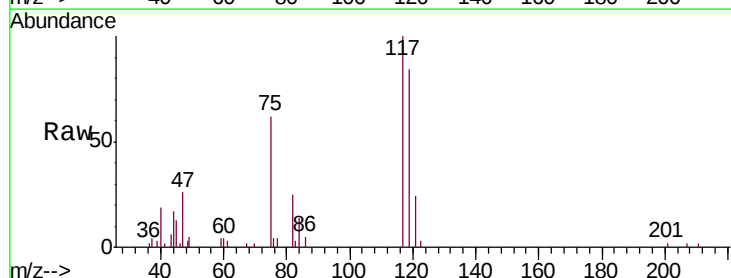
Instrument :
 MSVOA_F
 ClientSampled :
 BFB

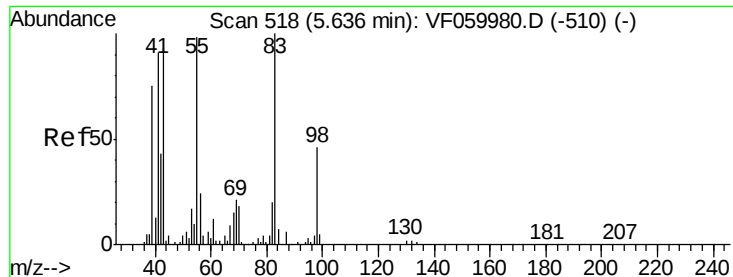
Tgt Ion: 43 Resp: 5817
 Ion Ratio Lower Upper
 43 100
 61 189.1 104.5 156.7#
 70 11.6 5.9 8.9#



#38
 Carbon Tetrachloride
 Concen: 5.283 ug/l
 RT: 4.17 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Tgt Ion: 117 Resp: 15992
 Ion Ratio Lower Upper
 117 100
 119 83.6 77.8 116.6
 121 24.3 26.0 39.0#

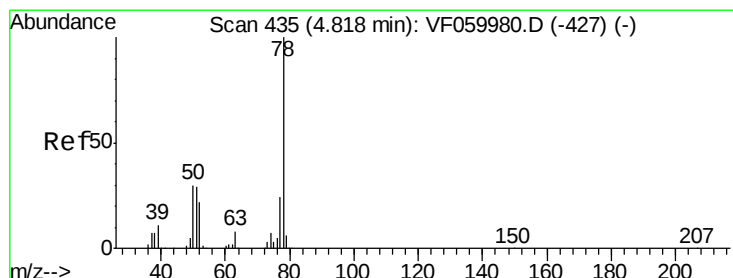
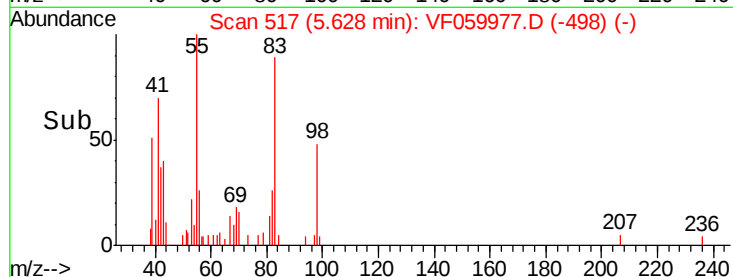
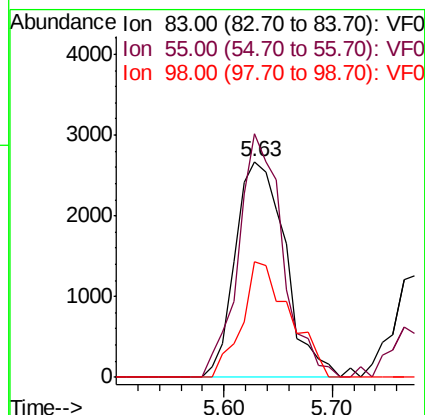
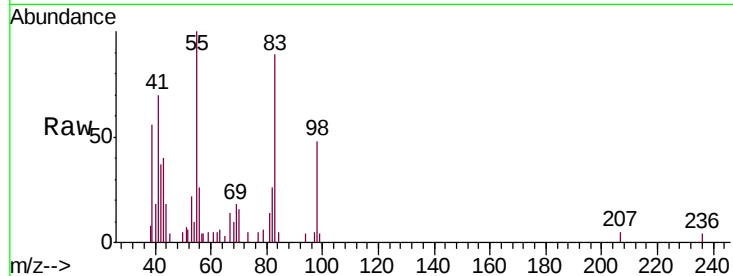




#39
Methylcyclohexane
Concen: 5.420 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

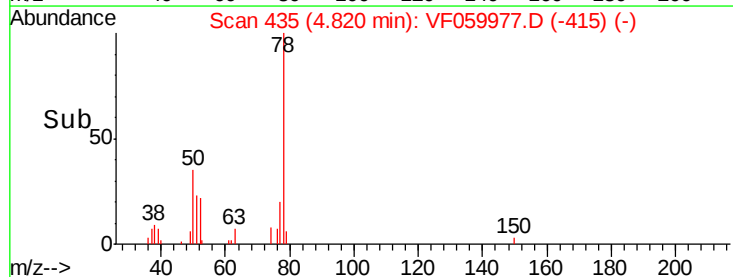
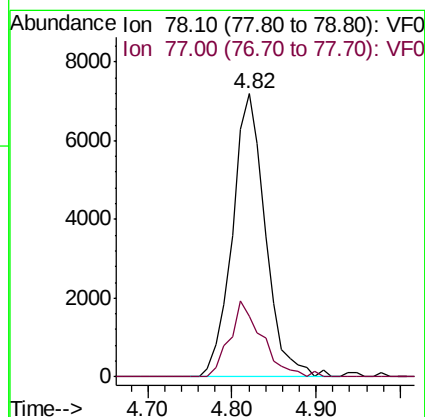
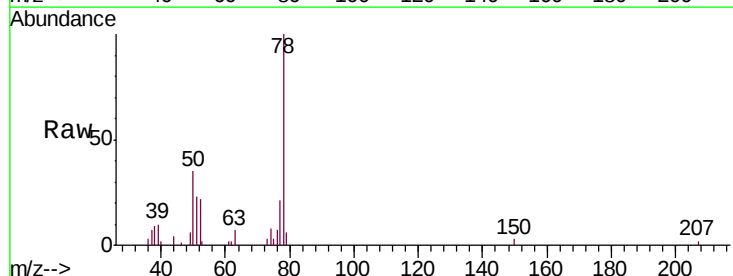
Instrument :
MSVOA_F
ClientSampleId :
BFB

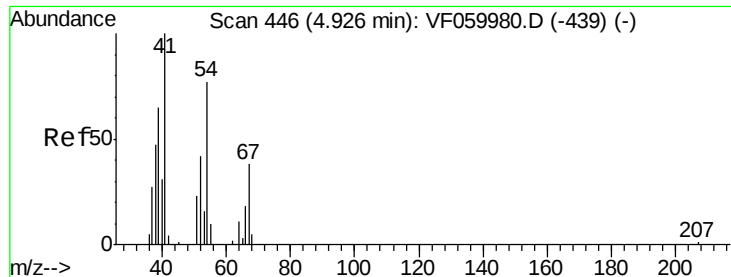
Tgt Ion: 83 Resp: 8650
Ion Ratio Lower Upper
83 100
55 113.0 78.8 118.2
98 53.8 36.8 55.2



#40
Benzene
Concen: 5.473 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion: 78 Resp: 19618
Ion Ratio Lower Upper
78 100
77 21.3 19.1 28.7

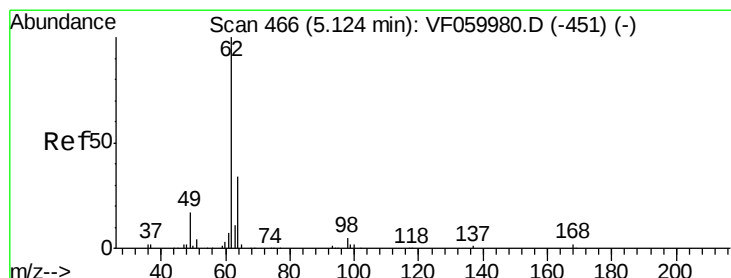
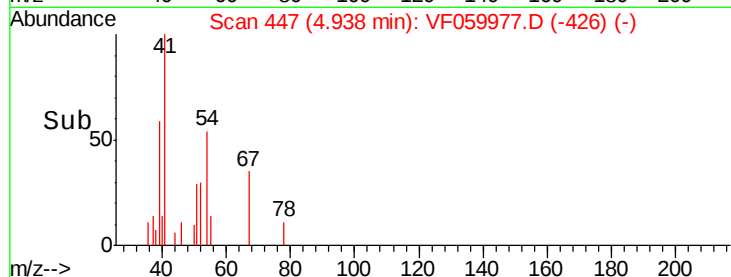
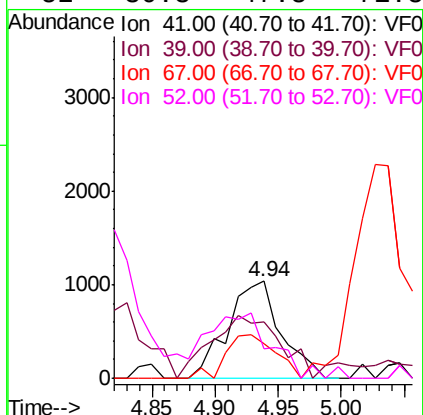
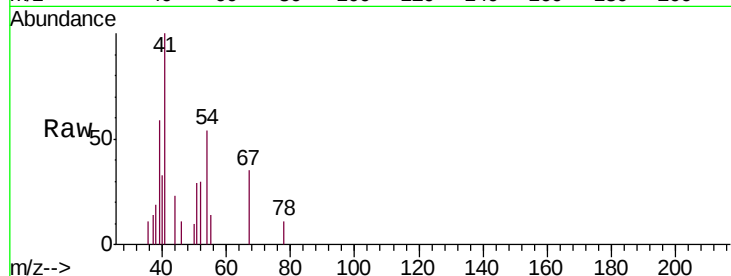




#41
Methacrylonitrile
Concen: 5.148 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

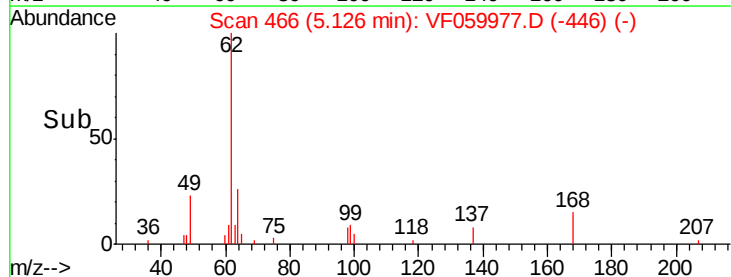
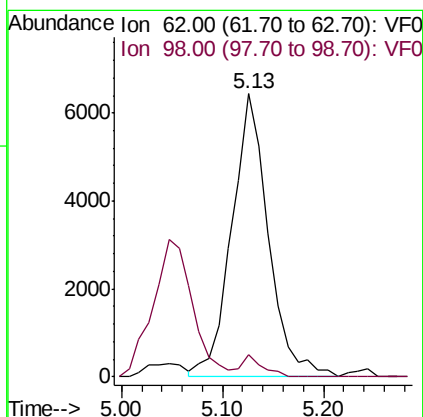
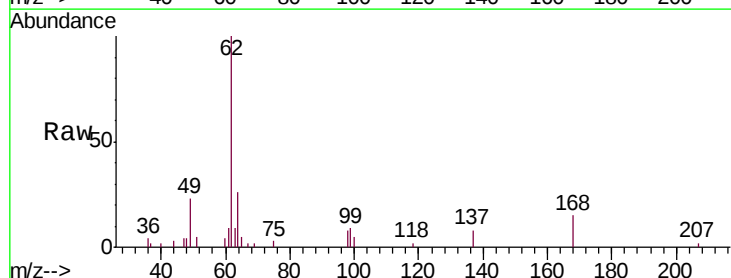
Instrument :
MSVOA_F
ClientSampleId :
BFB

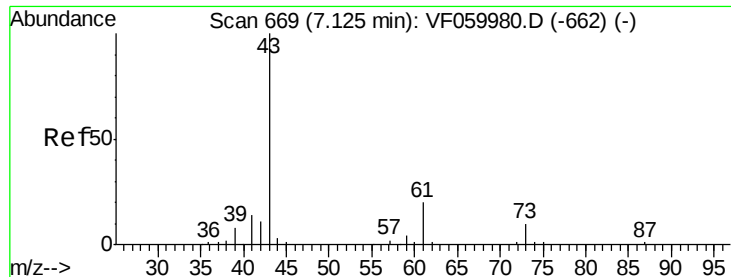
Tgt Ion: 41 Resp: 3031
Ion Ratio Lower Upper
41 100
39 58.8 62.9 94.3#
67 35.1 30.4 45.6
52 30.3 47.8 71.8#



#42
1,2-Dichloroethane
Concen: 5.243 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion: 62 Resp: 16279
Ion Ratio Lower Upper
62 100
98 8.1 0.0 9.0

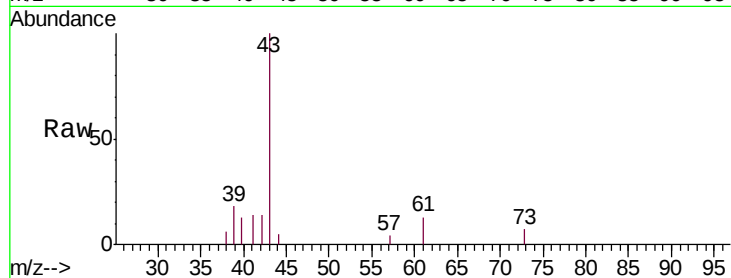




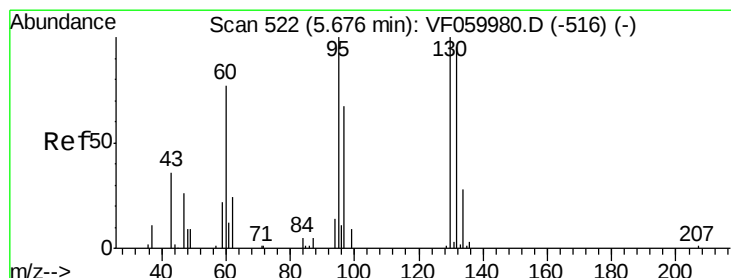
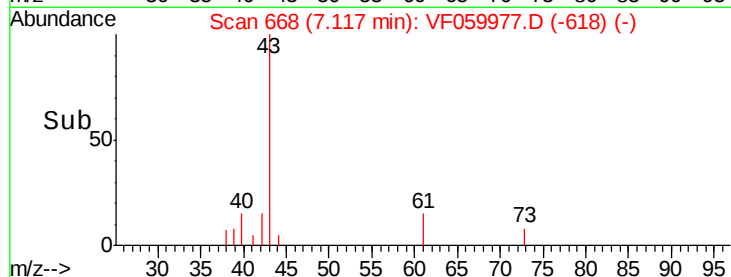
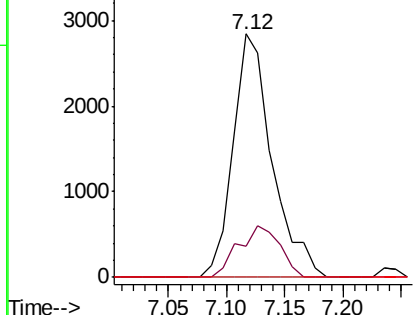
#43
Isopropyl Acetate
Concen: 4.877 ug/l
RT: 7.12 min Scan# 668
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 6604
Ion Ratio Lower Upper
43 100
61 12.9 15.8 23.8#
87 0.0 0.6 0.8#

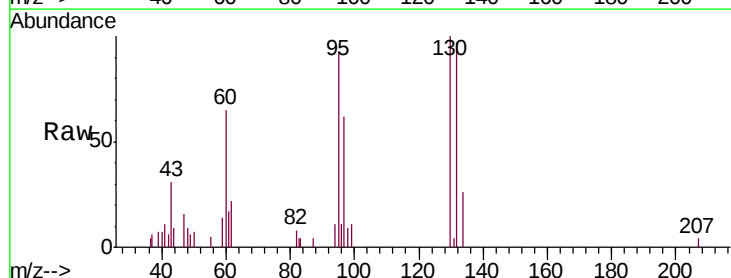


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0

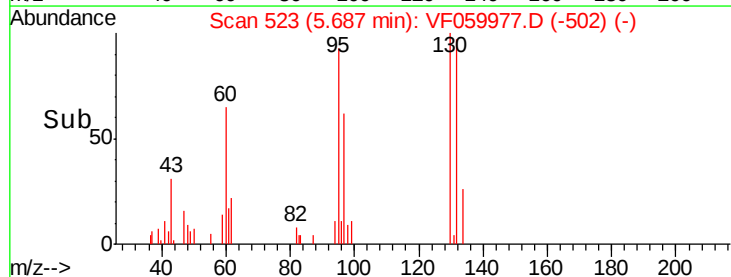
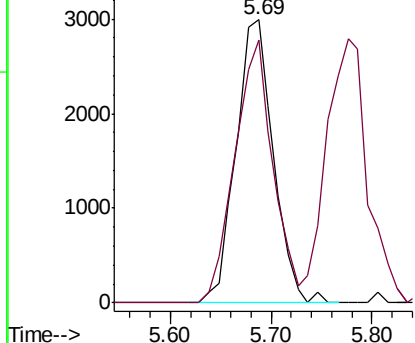


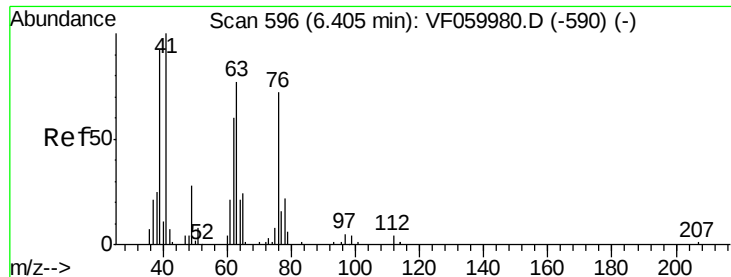
#44
Trichloroethene
Concen: 5.501 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion: 130 Resp: 7699
Ion Ratio Lower Upper
130 100
95 93.0 0.0 201.8



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 5.142 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

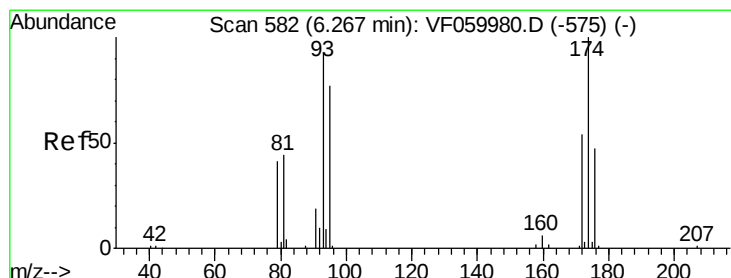
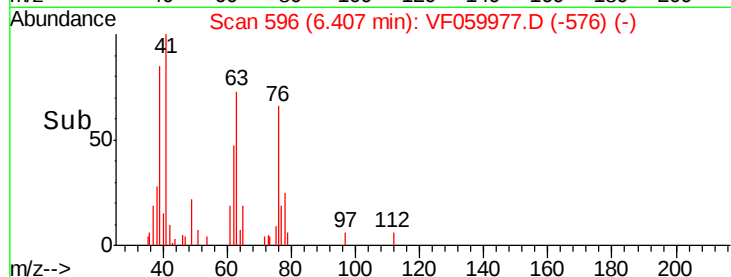
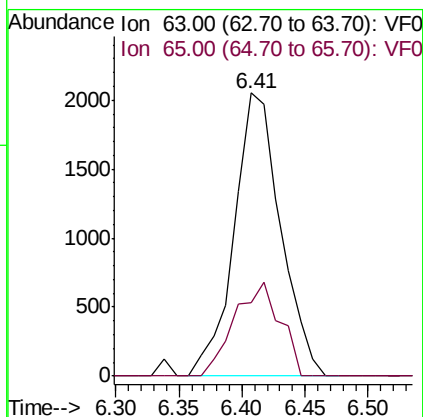
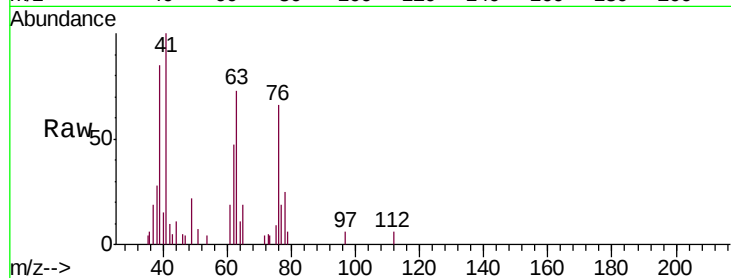
BFB

Tgt Ion: 63 Resp: 5257

Ion Ratio Lower Upper

63 100

65 26.1 25.0 37.6



#46

Dibromomethane

Concen: 4.927 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

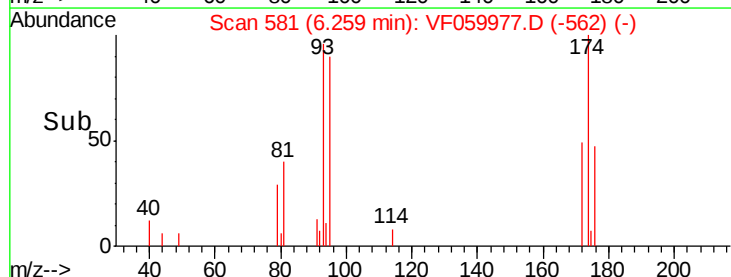
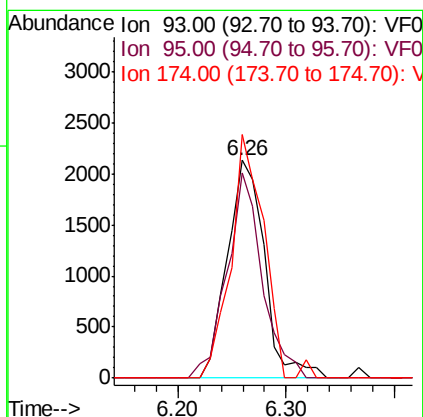
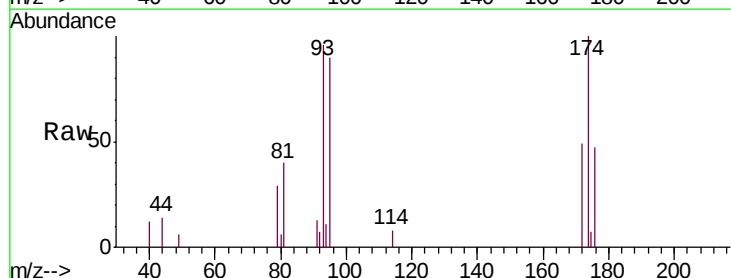
Tgt Ion: 93 Resp: 5109

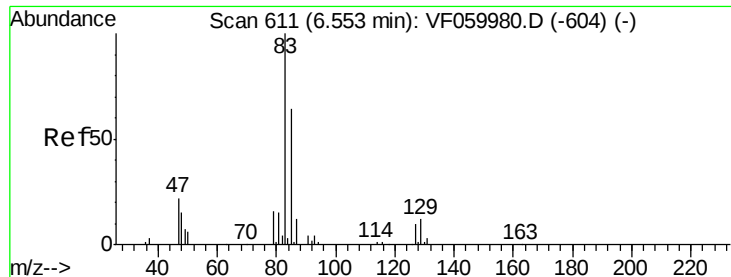
Ion Ratio Lower Upper

93 100

95 94.1 67.0 100.4

174 111.9 85.7 128.5





#47

Bromodichloromethane

Concen: 5.050 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

BFB

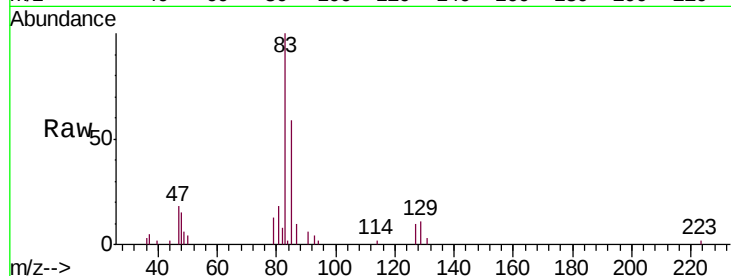
Tgt Ion: 83 Resp: 13831

Ion Ratio Lower Upper

83 100

85 59.3 51.4 77.0

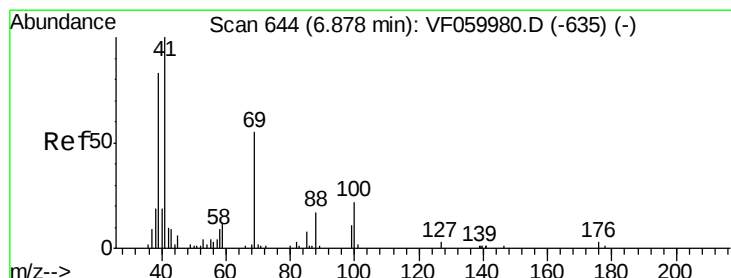
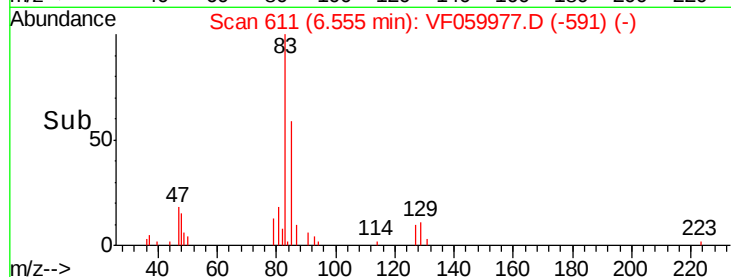
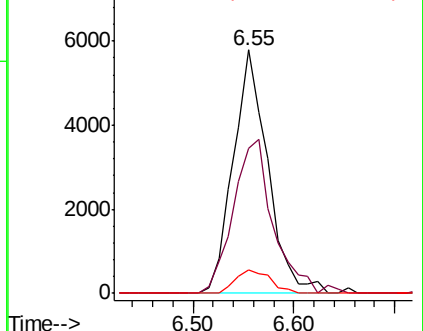
127 9.6 8.2 12.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 4.612 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

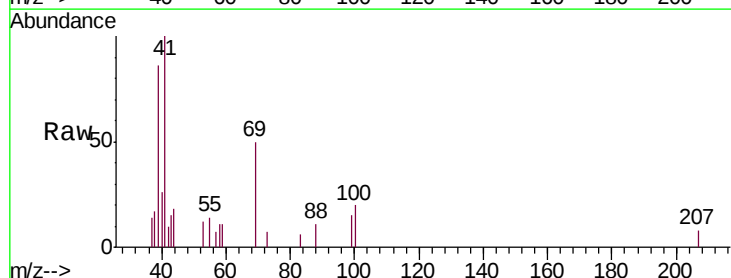
Tgt Ion: 41 Resp: 4655

Ion Ratio Lower Upper

41 100

69 50.2 44.4 66.6

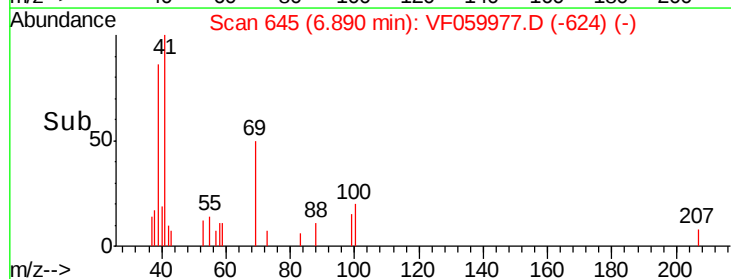
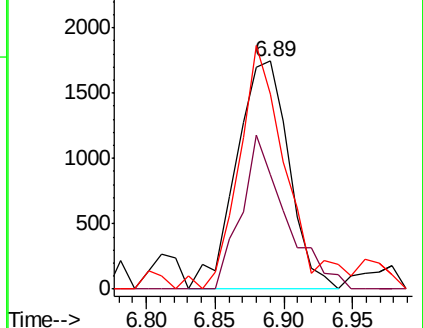
39 85.6 67.8 101.6

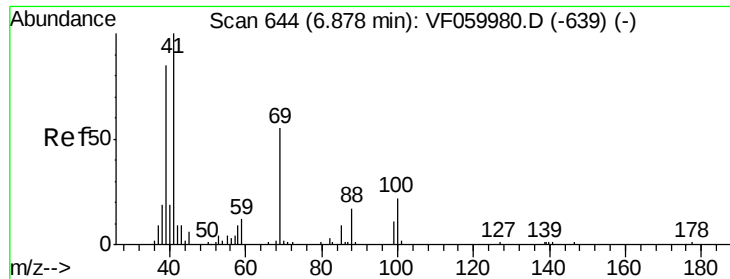


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

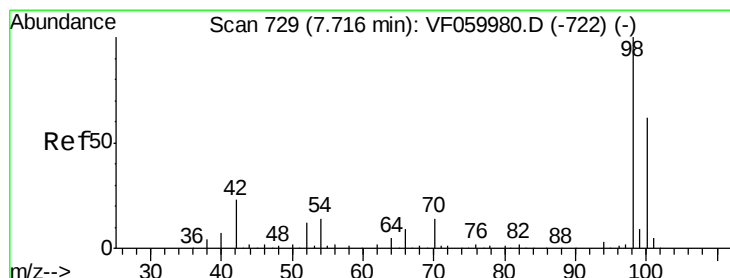
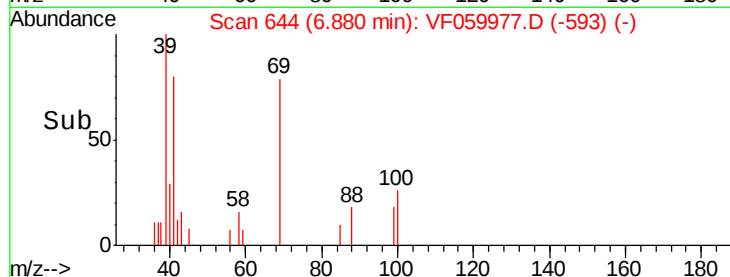
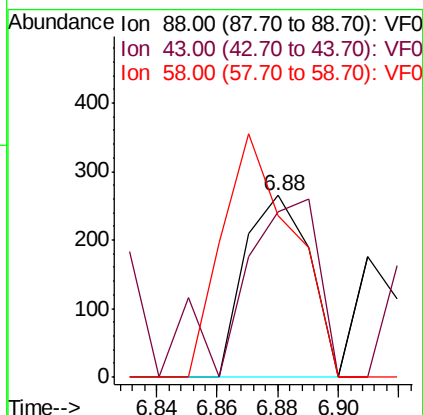
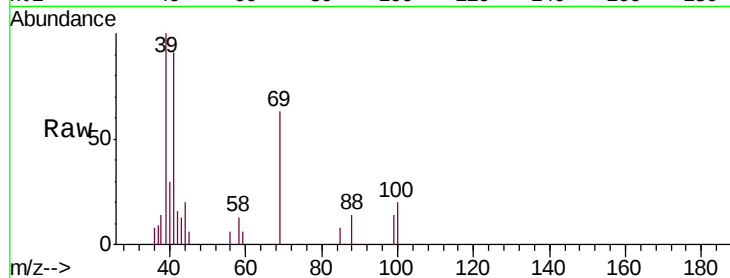




#49
1,4-Dioxane
Concen: 48.388 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

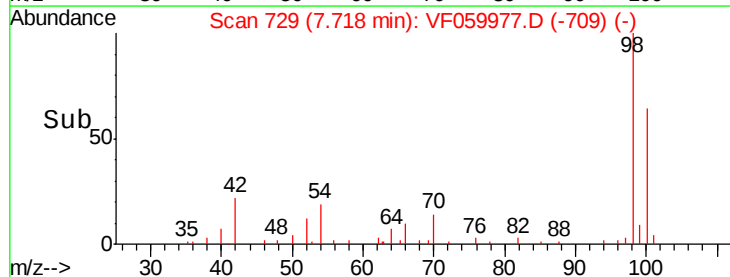
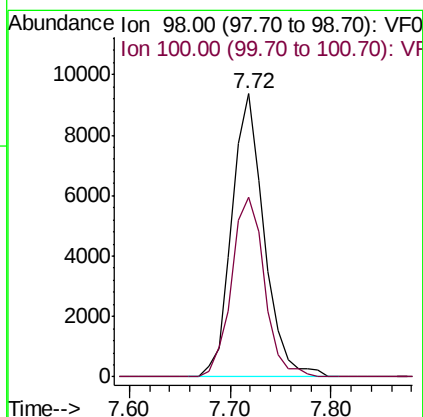
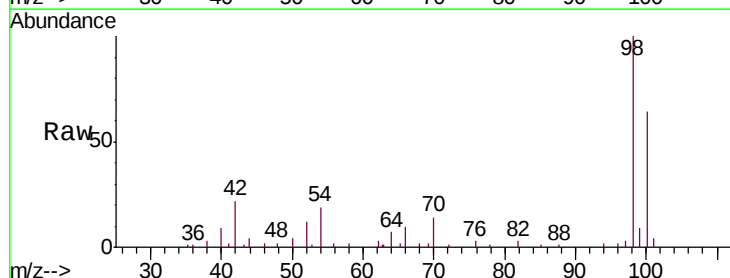
Instrument :
MSVOA_F
ClientSampled :
BFB

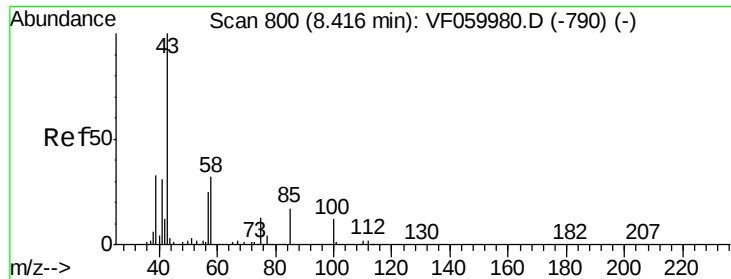
Tgt Ion: 88 Resp: 391
Ion Ratio Lower Upper
88 100
43 90.9 43.2 64.8#
58 89.1 42.0 63.0#



#50
Toluene-d8
Concen: 4.948 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion: 98 Resp: 20846
Ion Ratio Lower Upper
98 100
100 63.7 49.8 74.8

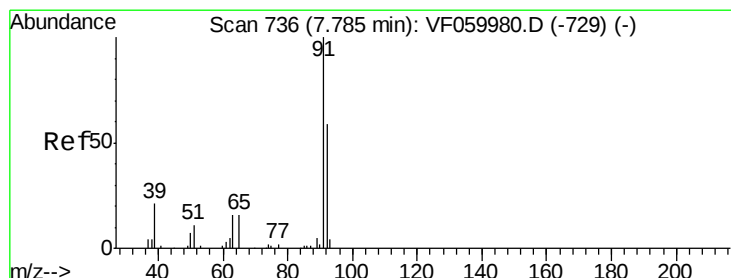
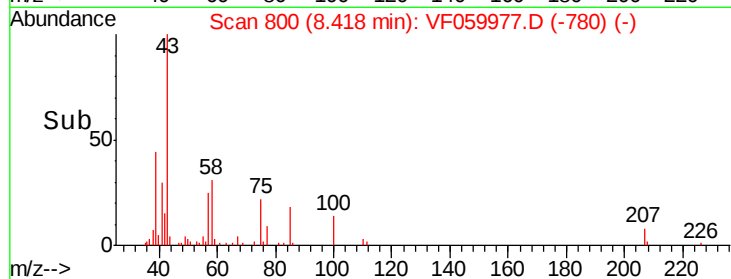
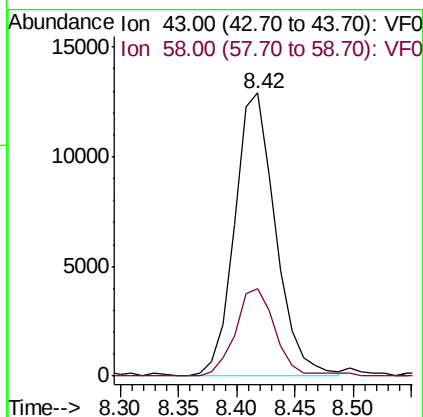
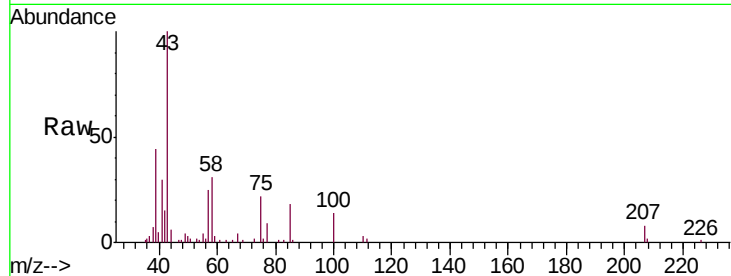




#51
 4-Methyl-2-Pentanone
 Concen: 24.812 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

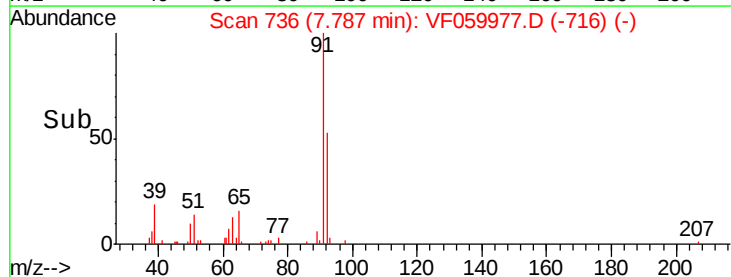
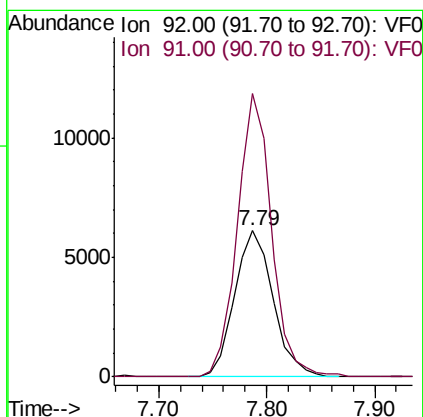
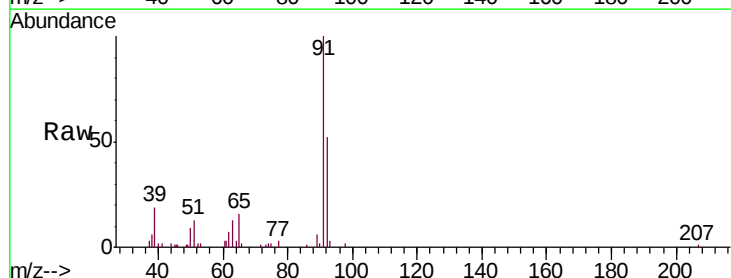
Instrument :
 MSVOA_F
 ClientSampled :
 BFB

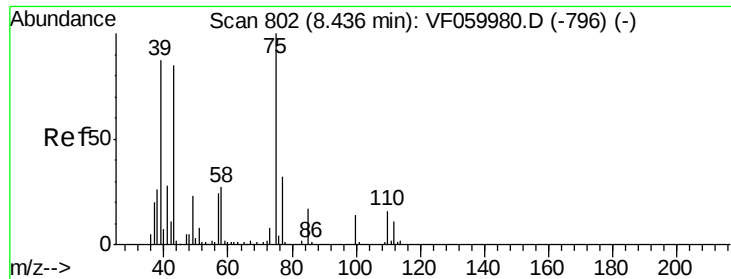
Tgt Ion: 43 Resp: 31376
 Ion Ratio Lower Upper
 43 100
 58 30.9 25.6 38.4



#52
 Toluene
 Concen: 5.612 ug/l
 RT: 7.79 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Tgt Ion: 92 Resp: 15153
 Ion Ratio Lower Upper
 92 100
 91 193.4 136.5 204.7





#53

t-1,3-Dichloropropene

Concen: 5.083 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

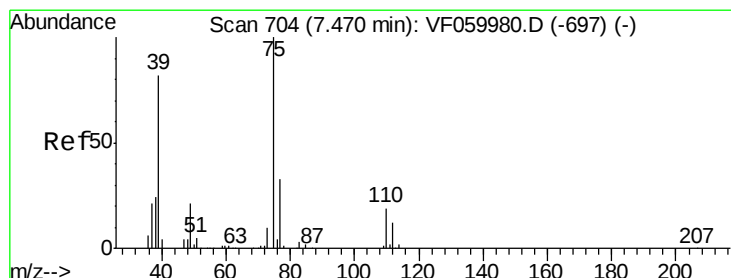
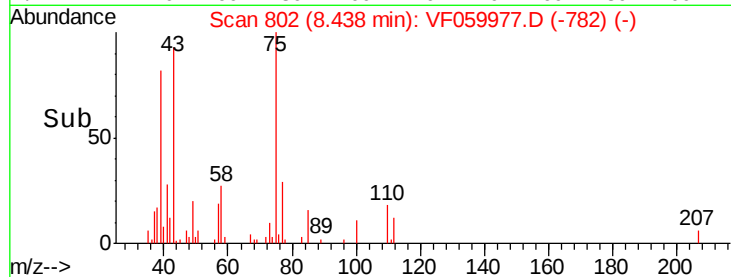
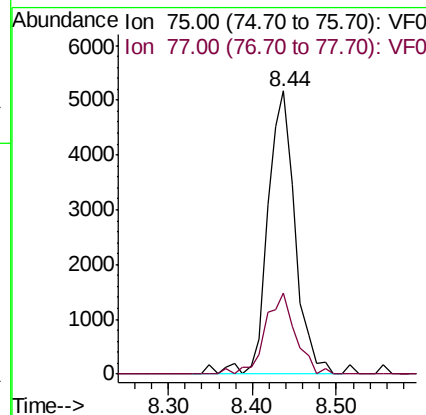
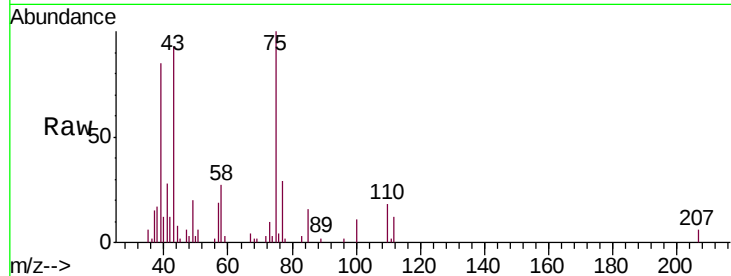
BFB

Tgt Ion: 75 Resp: 11820

Ion Ratio Lower Upper

75 100

77 28.8 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 5.179 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

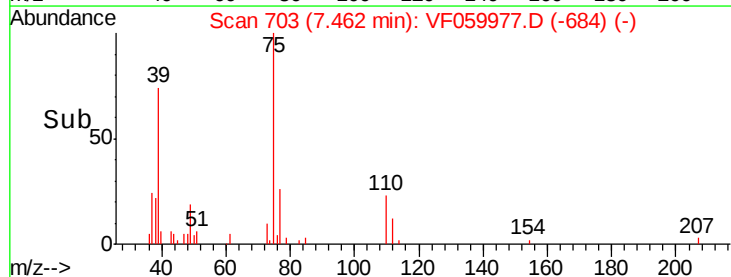
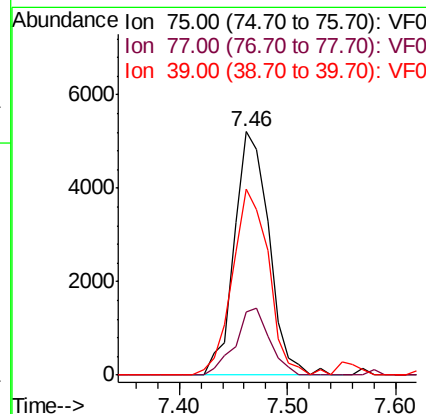
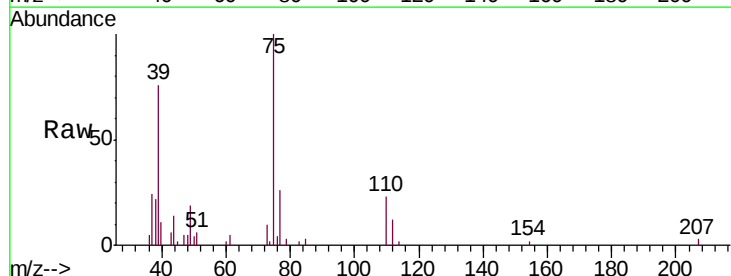
Tgt Ion: 75 Resp: 11608

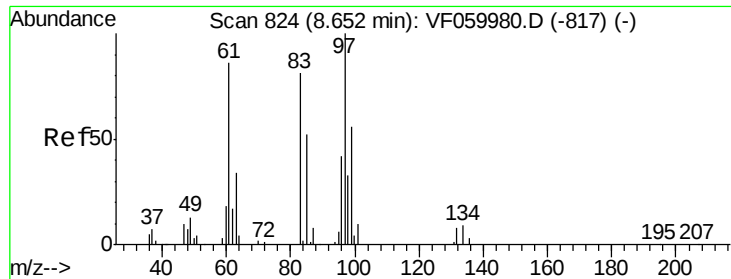
Ion Ratio Lower Upper

75 100

77 25.9 26.0 39.0#

39 76.5 65.3 97.9





#55

1,1,2-Trichloroethane

Concen: 5.098 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 5643

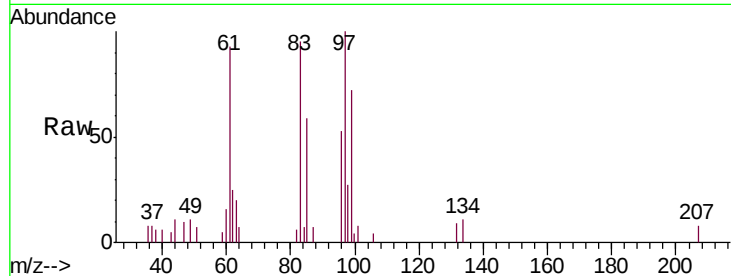
Ion Ratio Lower Upper

97 100

83 94.7 64.9 97.3

85 59.2 41.8 62.6

99 72.2 45.2 67.8#

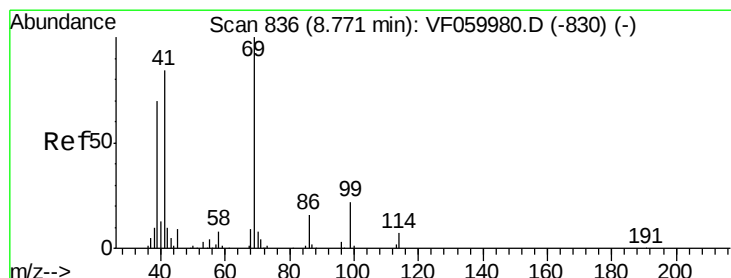
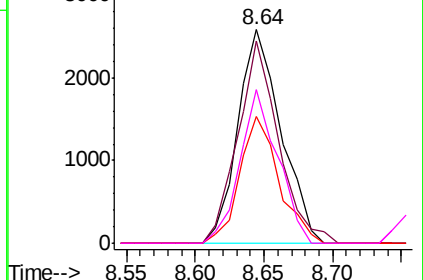
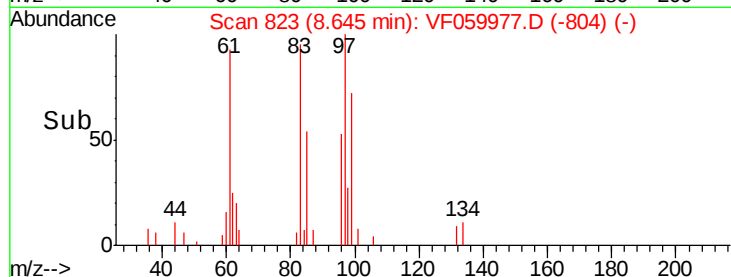


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 4.007 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

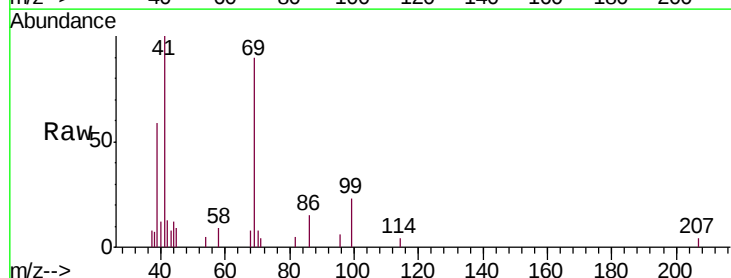
Tgt Ion: 69 Resp: 5168

Ion Ratio Lower Upper

69 100

41 111.2 67.8 101.6#

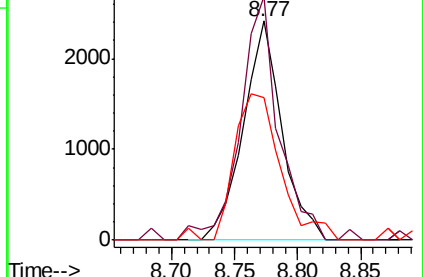
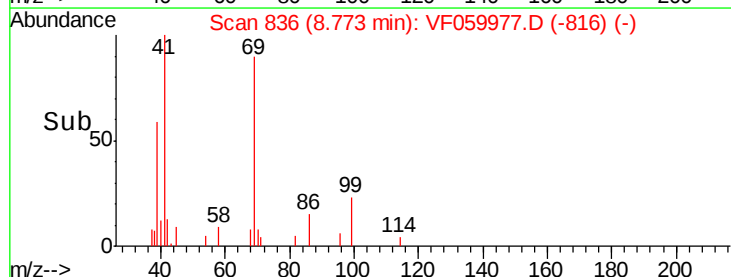
39 65.3 55.8 83.6

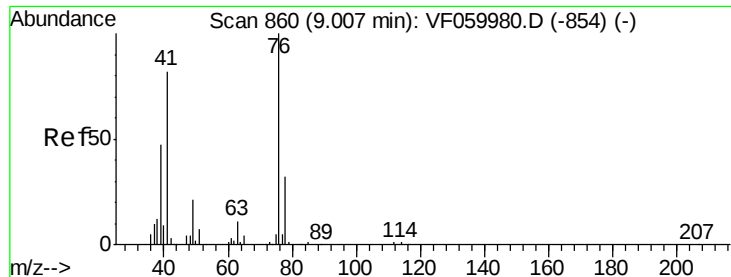


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 5.253 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

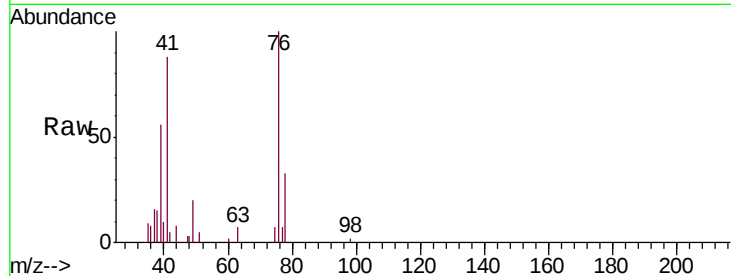
BFB

Tgt Ion: 76 Resp: 10329

Ion Ratio Lower Upper

76 100

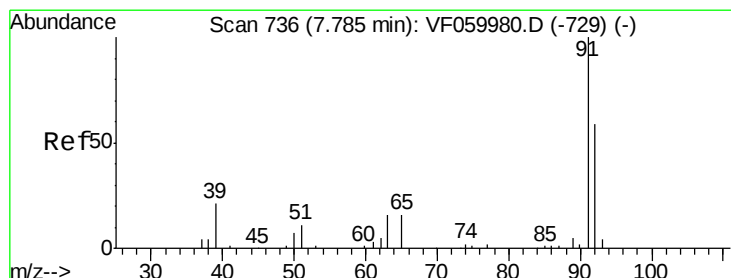
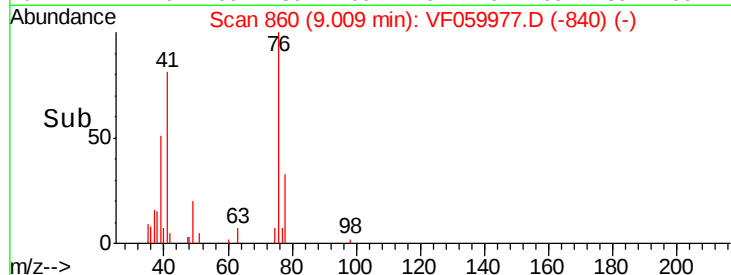
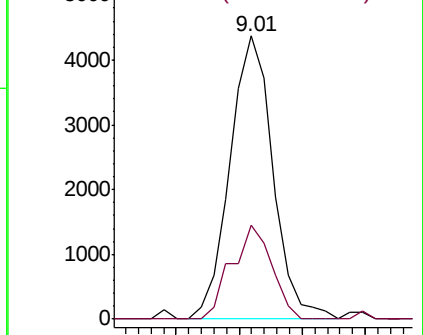
78 33.4 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

5000

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.151 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.07 min

Lab File: VF059977.D

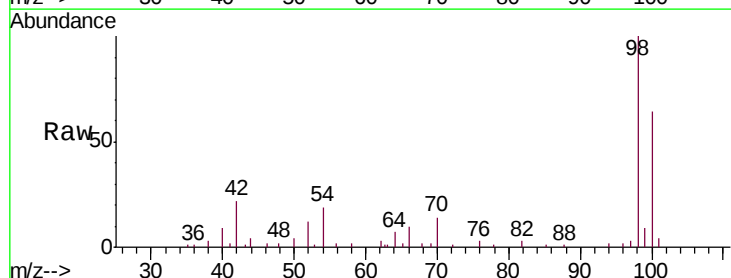
Acq: 17 Aug 2018 17:09

Tgt Ion: 63 Resp: 122

Ion Ratio Lower Upper

63 100

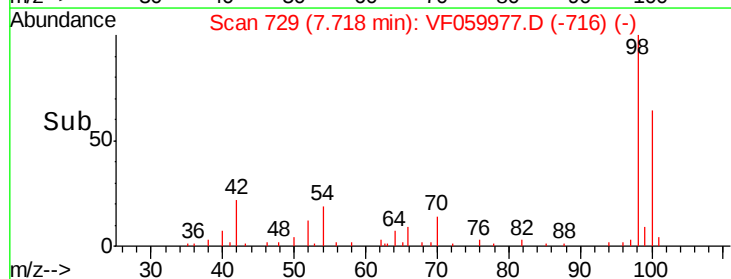
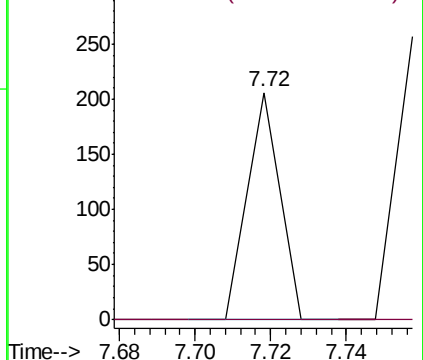
106 0.0 0.0 0.0

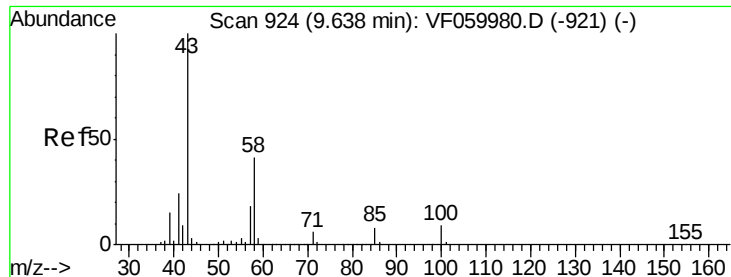


Abundance Ion 63.00 (62.70 to 63.70): VF0

300

Ion 106.00 (105.70 to 106.70): V

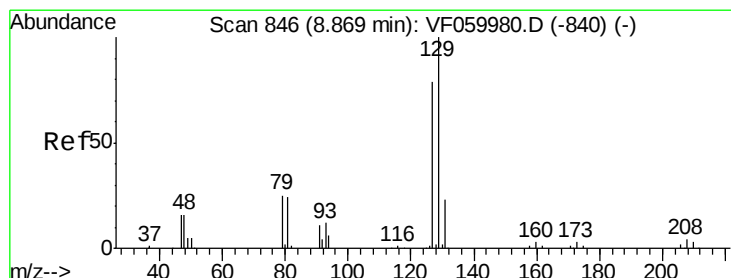
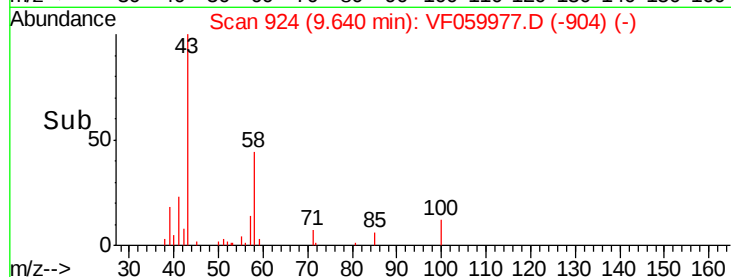
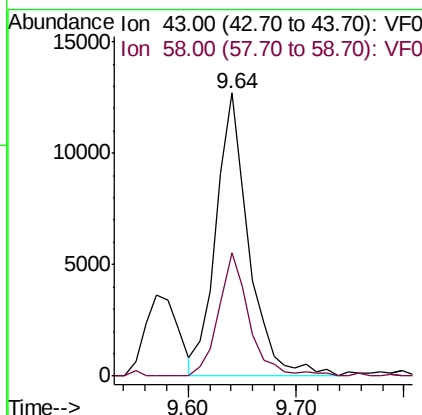
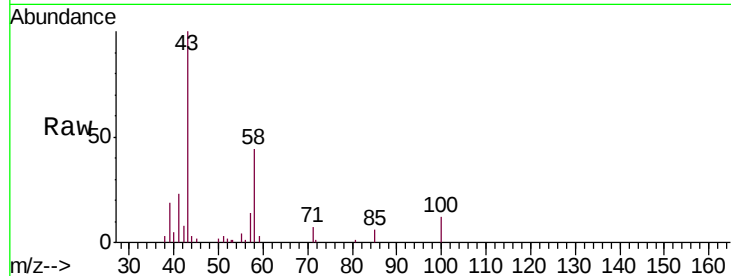




#59
2-Hexanone
Concen: 25.421 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

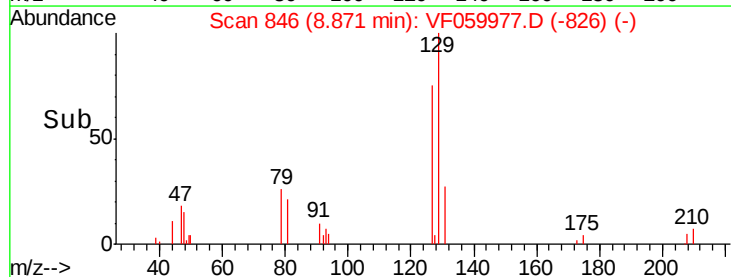
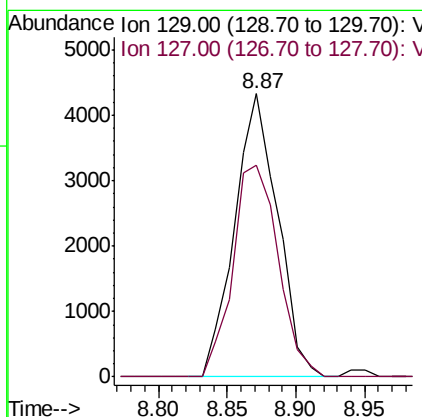
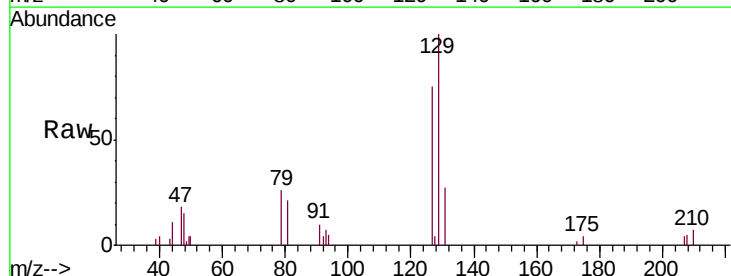
Instrument :
MSVOA_F
ClientSampleId :
BFB

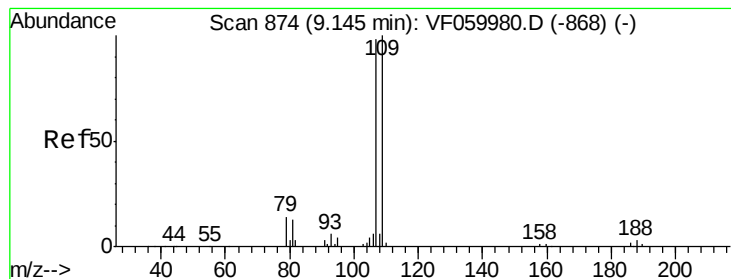
Tgt Ion: 43 Resp: 26710
Ion Ratio Lower Upper
43 100
58 43.6 20.1 60.3



#60
Dibromochloromethane
Concen: 4.696 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion: 129 Resp: 9410
Ion Ratio Lower Upper
129 100
127 78.7 39.5 118.5





#61

1,2-Dibromoethane

Concen: 5.061 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

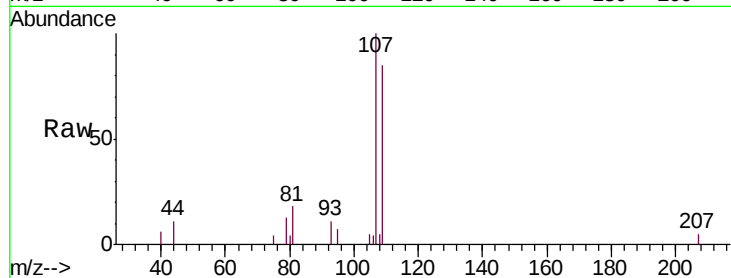
BFB

Tgt Ion: 107 Resp: 7068

Ion Ratio Lower Upper

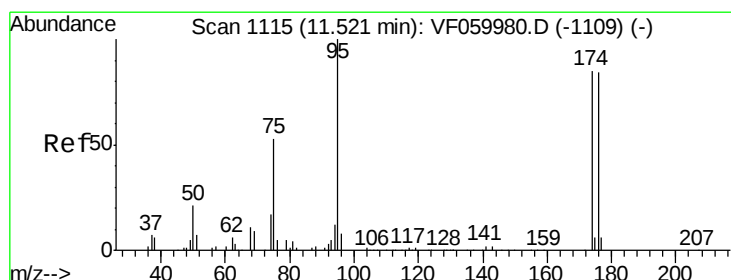
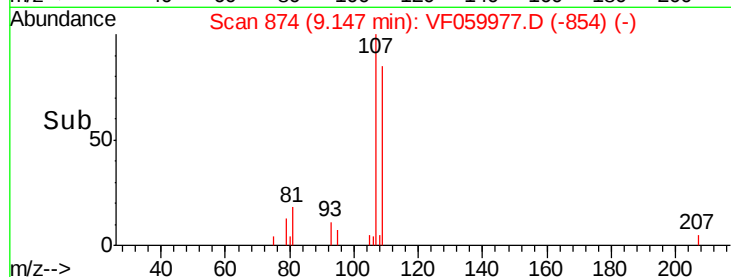
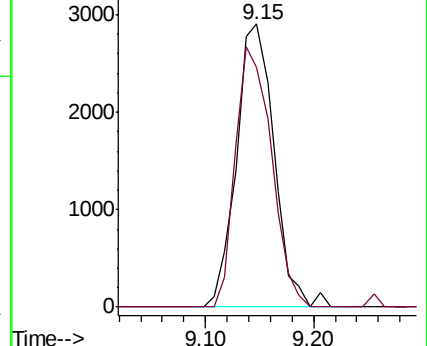
107 100

109 84.6 81.7 122.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 5.330 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

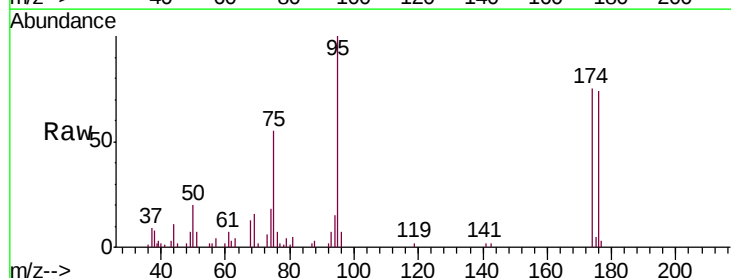
Tgt Ion: 95 Resp: 13776

Ion Ratio Lower Upper

95 100

174 75.4 0.0 169.8

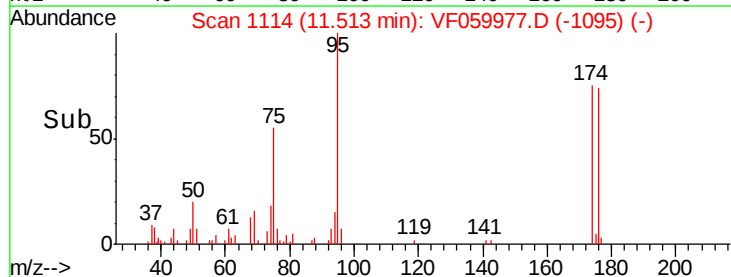
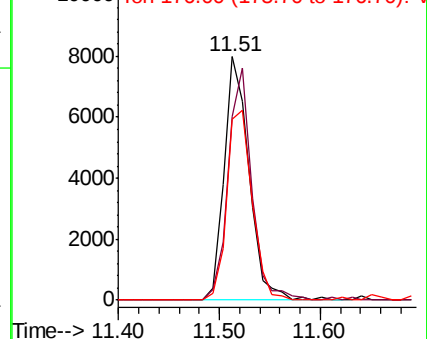
176 74.5 0.0 167.8

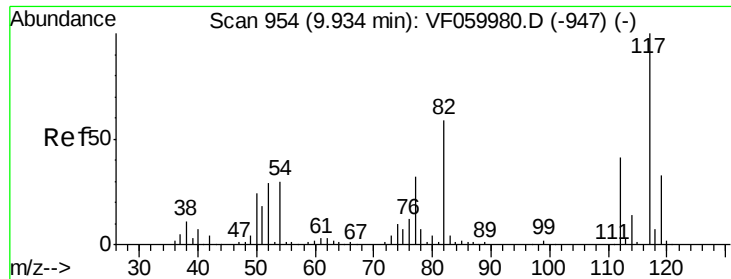


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

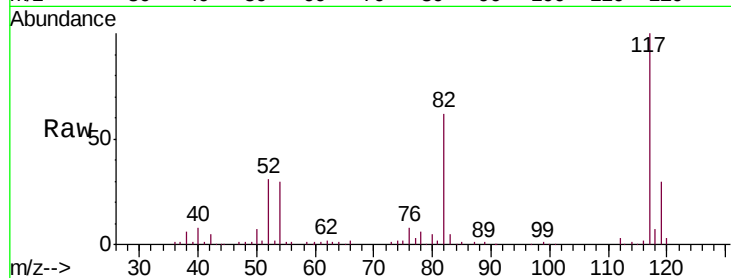




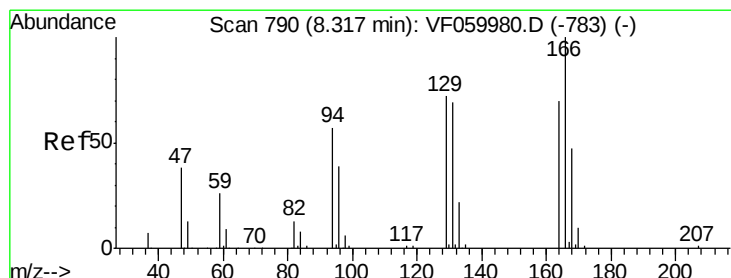
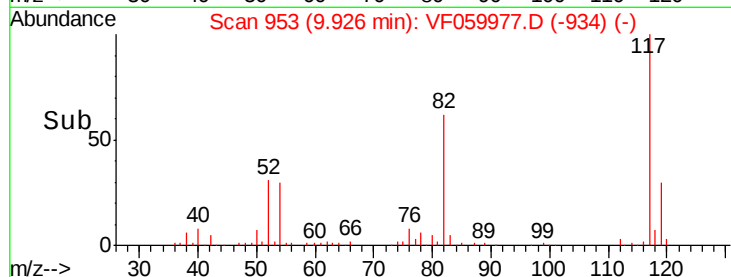
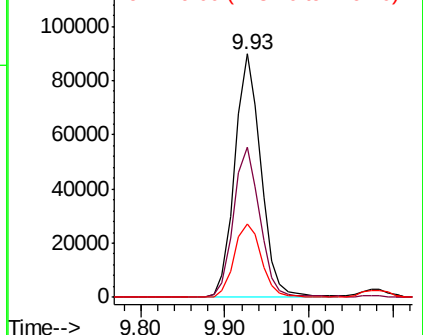
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.8	47.2	70.8
119	30.2	26.1	39.1



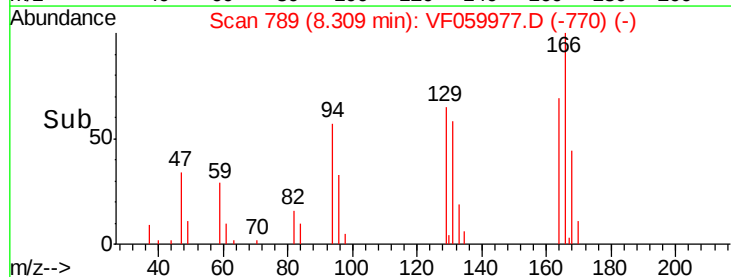
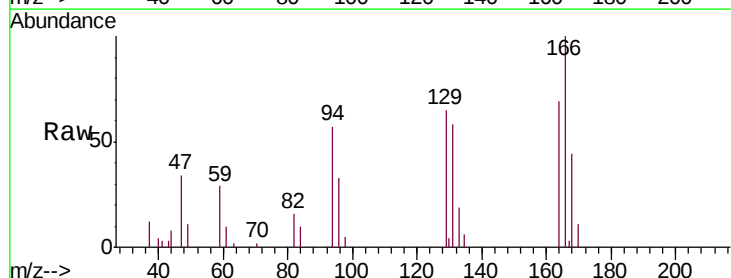
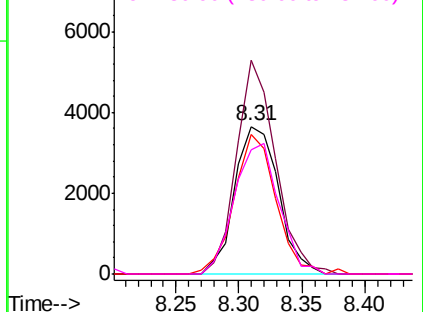
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

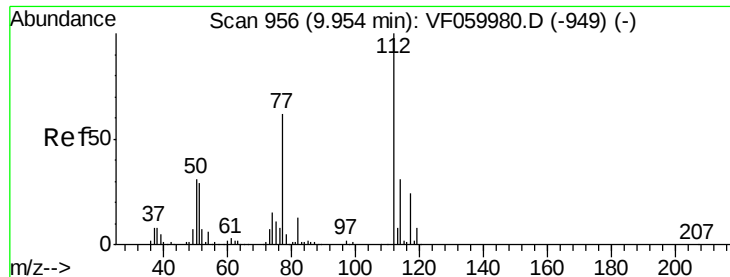


#64
Tetrachloroethene
Concen: 5.976 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	145.1	114.5	171.7
129	94.4	82.3	123.5
131	84.7	78.6	118.0

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





#65

Chlorobenzene

Concen: 5.722 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampled :

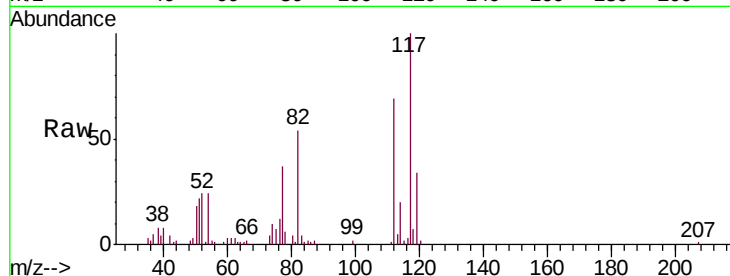
BFB

Tgt Ion:112 Resp: 21872

Ion Ratio Lower Upper

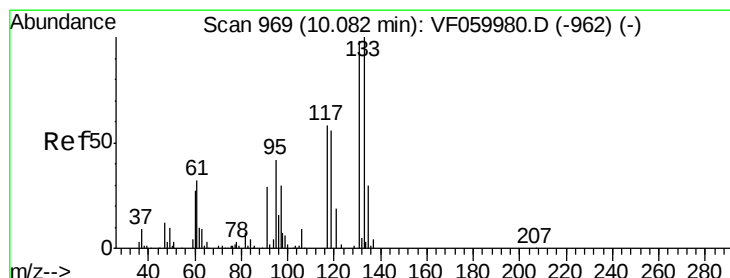
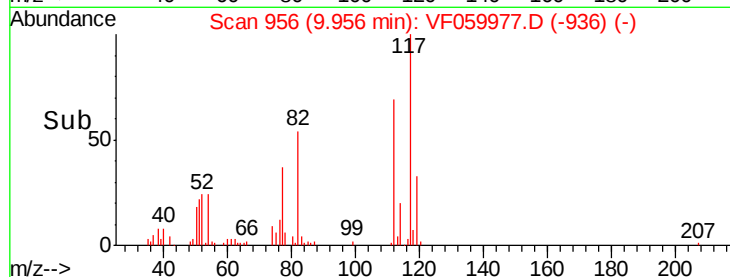
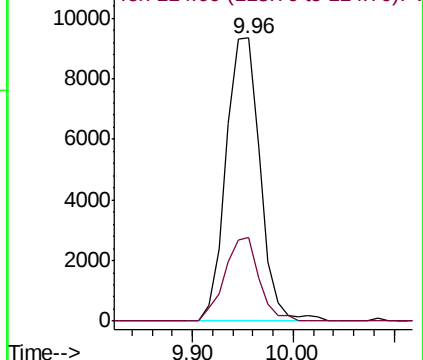
112 100

114 29.5 25.0 37.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.391 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

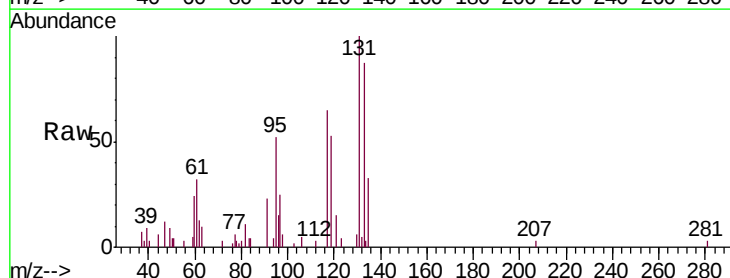
Tgt Ion:131 Resp: 9470

Ion Ratio Lower Upper

131 100

133 86.7 51.1 153.3

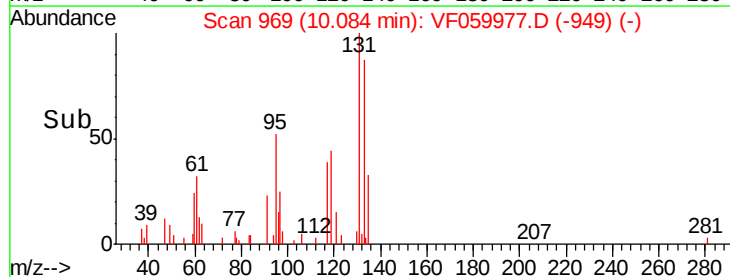
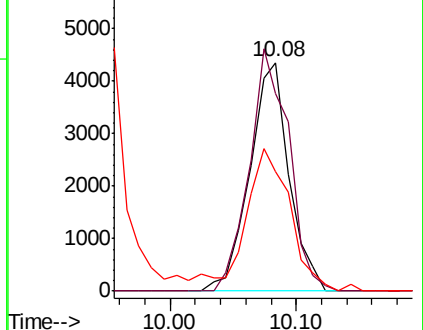
119 52.6 29.0 87.1

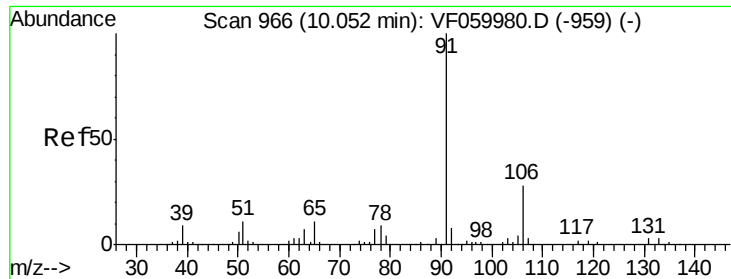


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

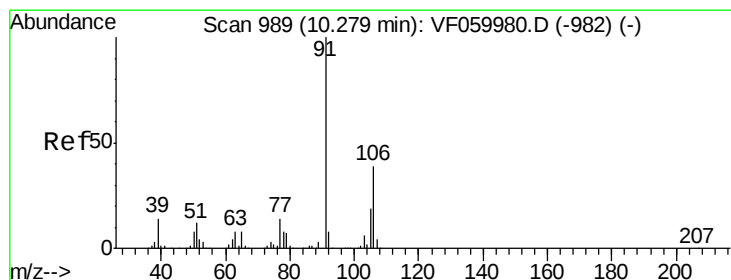
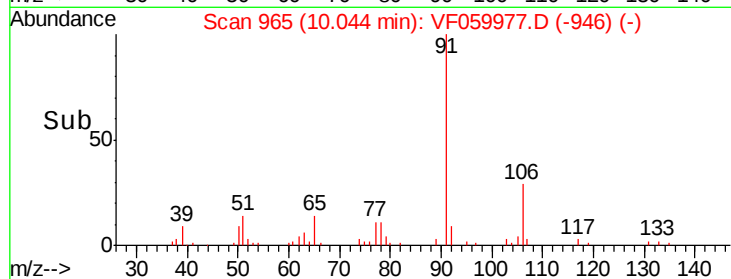
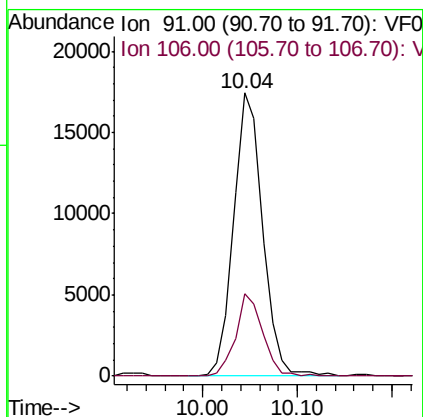
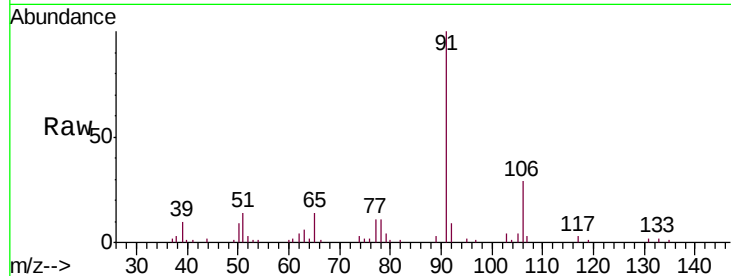




#67
Ethyl Benzene
Concen: 5.408 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

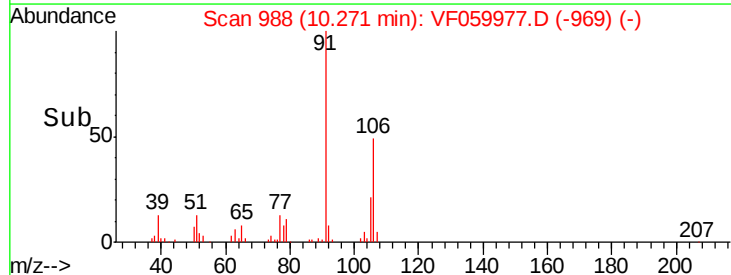
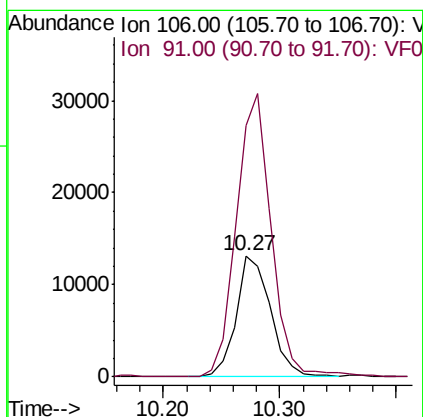
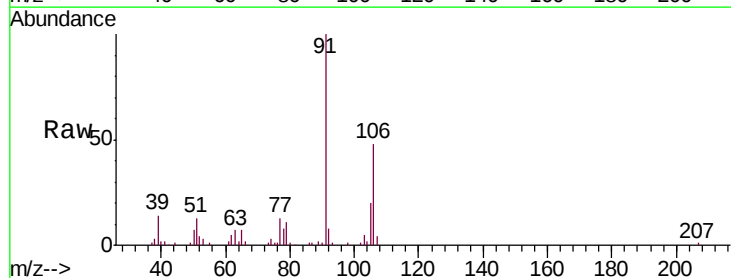
Instrument :
MSVOA_F
ClientSampleId :
BFB

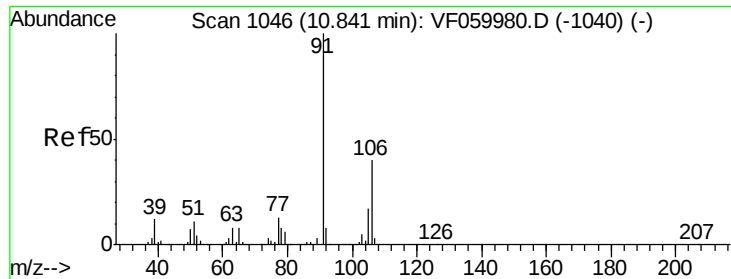
Tgt Ion: 91 Resp: 37110
Ion Ratio Lower Upper
91 100
106 29.1 22.0 33.0



#68
m/p-Xylenes
Concen: 11.223 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion: 106 Resp: 26801
Ion Ratio Lower Upper
106 100
91 208.5 203.5 305.3





#69

o-Xylene

Concen: 4.772 ug/l

RT: 10.83 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampled :

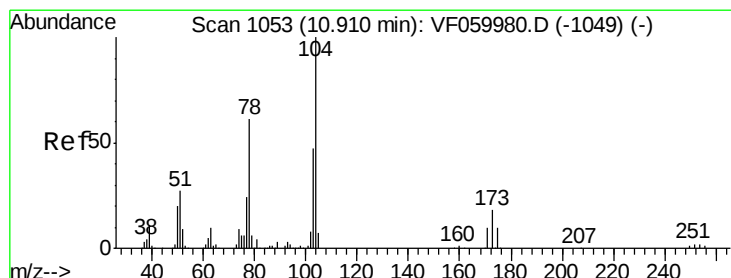
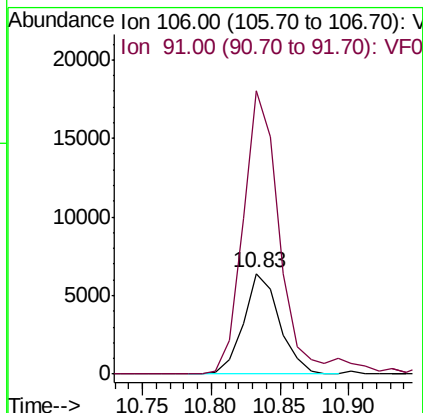
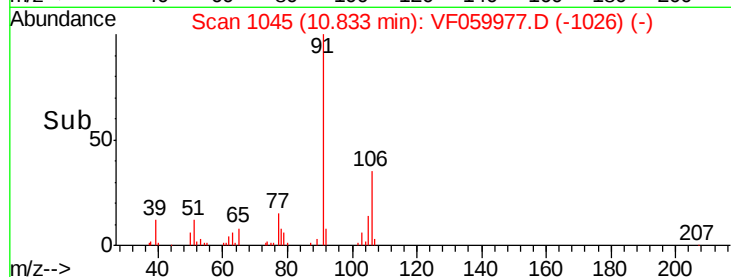
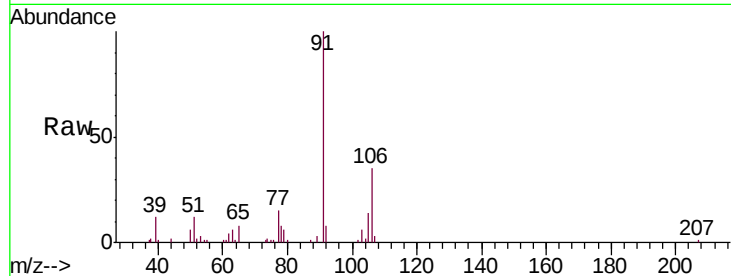
BFB

Tgt Ion:106 Resp: 11721

Ion Ratio Lower Upper

106 100

91 281.9 125.4 376.2



#70

Styrene

Concen: 5.232 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

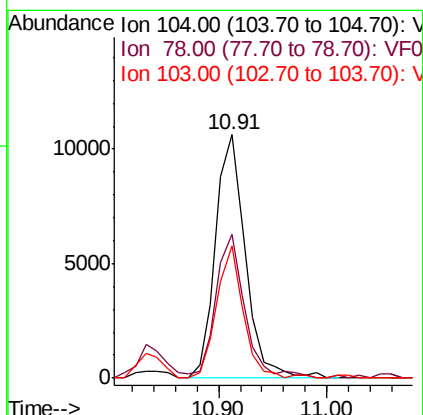
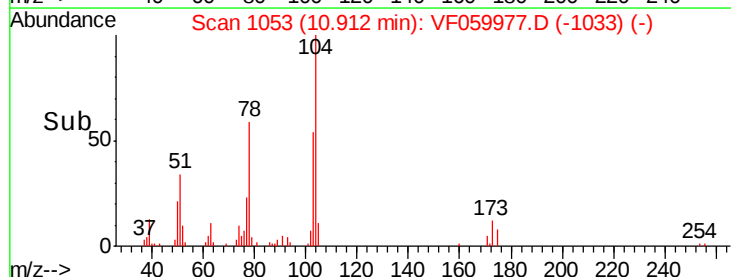
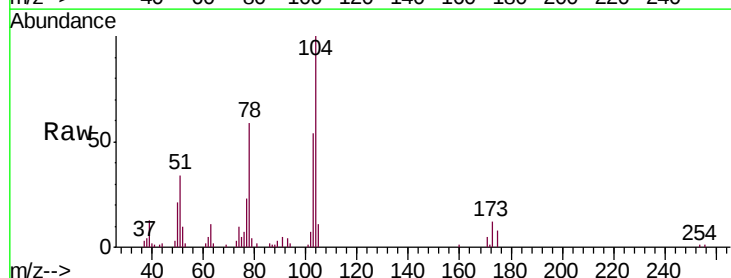
Tgt Ion:104 Resp: 20466

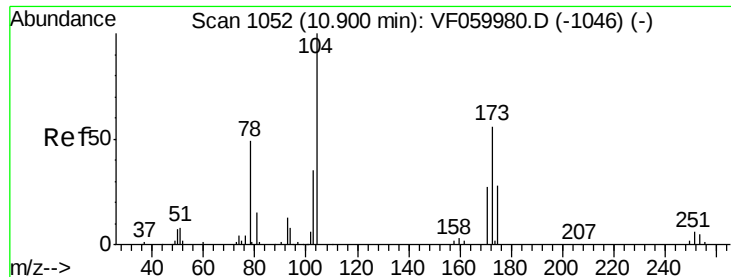
Ion Ratio Lower Upper

104 100

78 59.0 49.0 73.6

103 54.4 38.2 57.4





#71

Bromoform

Concen: 4.565 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

BFB

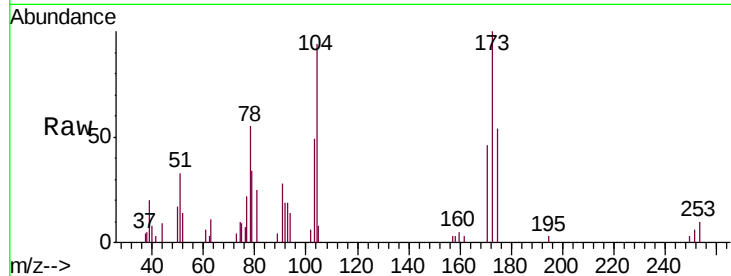
Tgt Ion:173 Resp: 6039

Ion Ratio Lower Upper

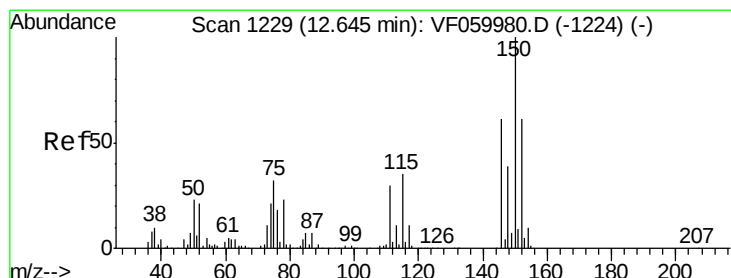
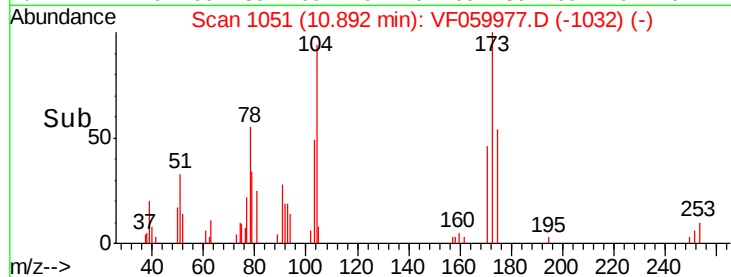
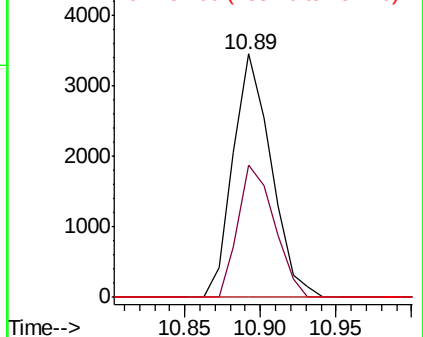
173 100

175 54.1 24.8 74.3

254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

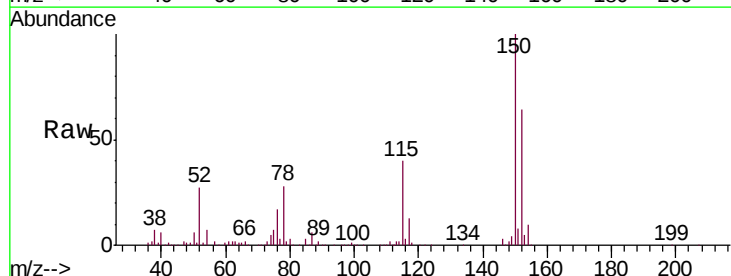
Tgt Ion:152 Resp: 133546

Ion Ratio Lower Upper

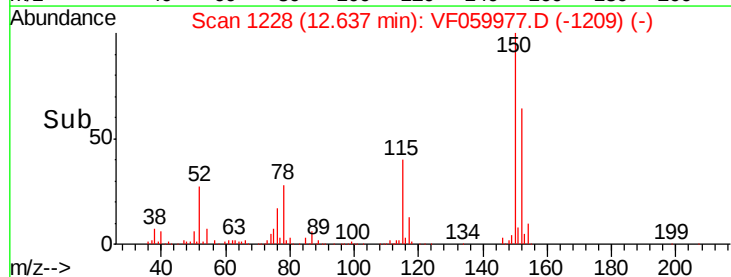
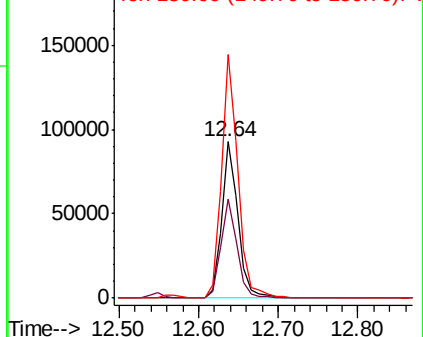
152 100

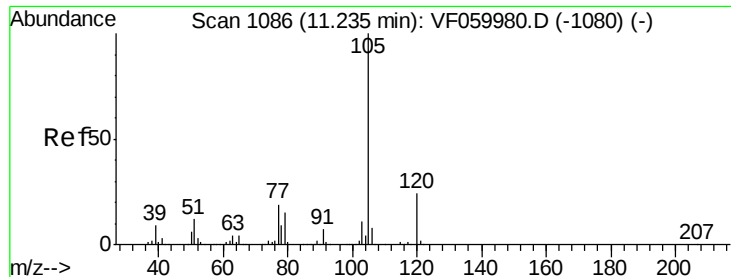
115 63.1 29.1 87.3

150 155.9 0.0 330.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 4.989 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampled :

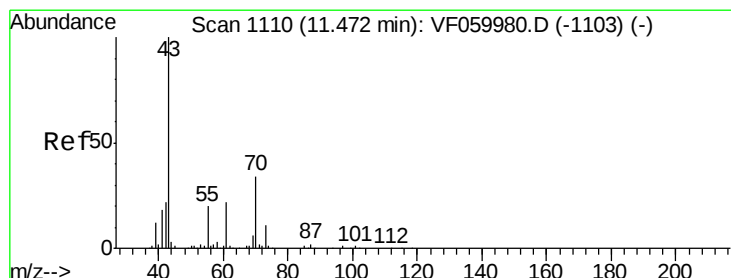
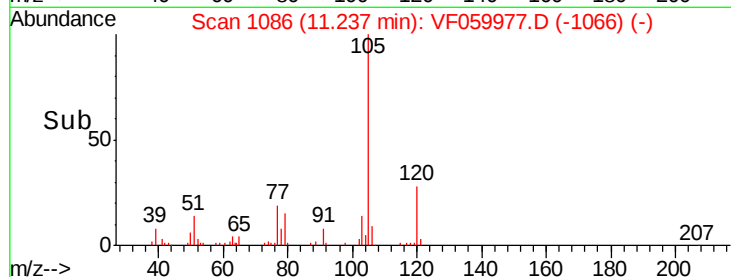
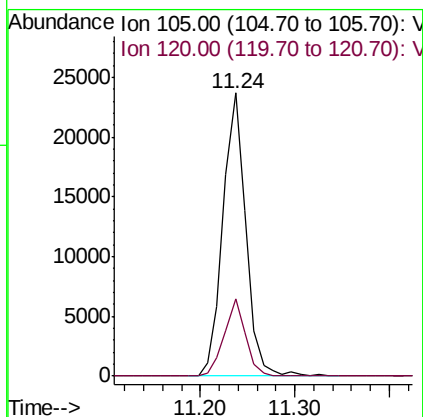
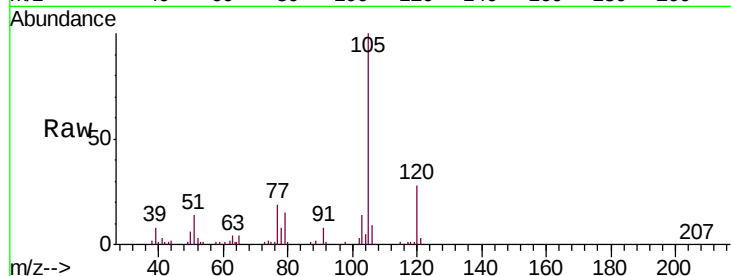
BFB

Tgt Ion:105 Resp: 39840

Ion Ratio Lower Upper

105 100

120 27.5 11.9 35.5



#74

N-ethyl acetate

Concen: 4.453 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Tgt Ion: 43 Resp: 10517

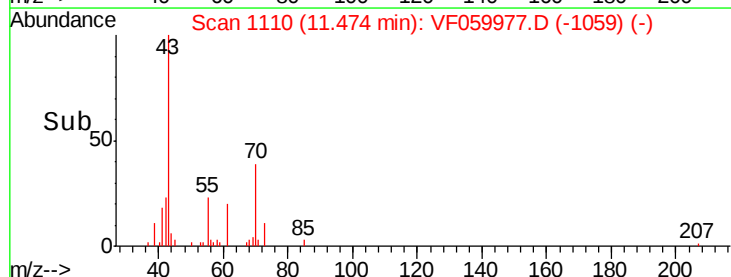
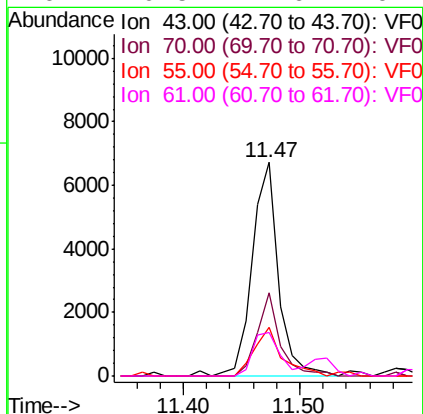
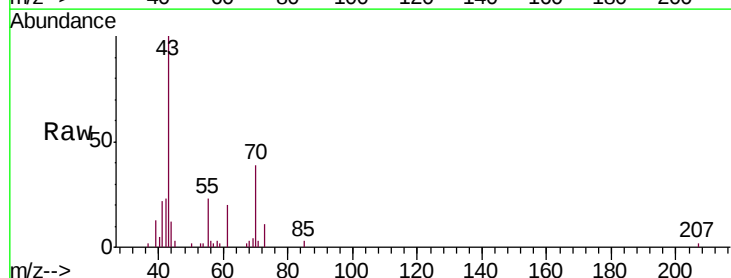
Ion Ratio Lower Upper

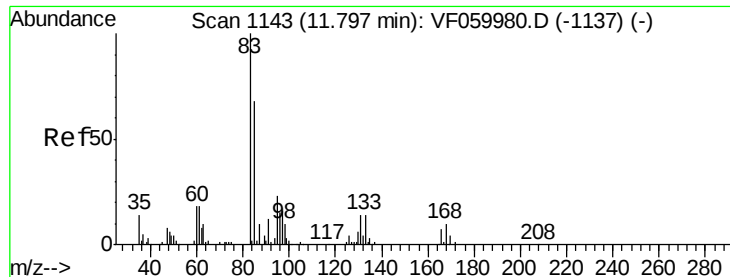
43 100

70 39.2 27.2 40.8

55 23.0 16.4 24.6

61 20.5 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.409 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

BFB

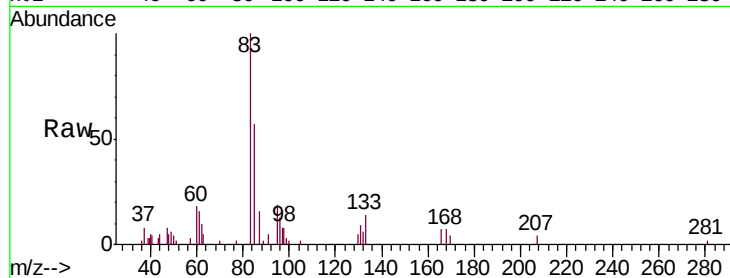
Tgt Ion: 83 Resp: 8811

Ion Ratio Lower Upper

83 100

131 9.4 7.2 21.6

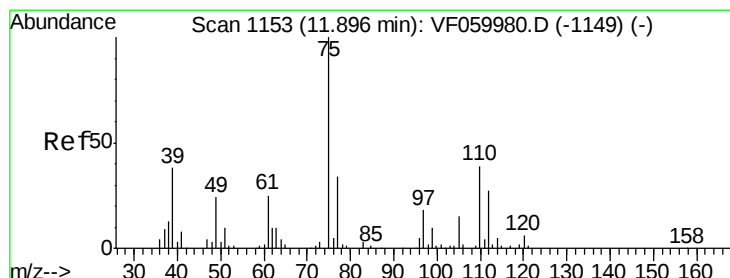
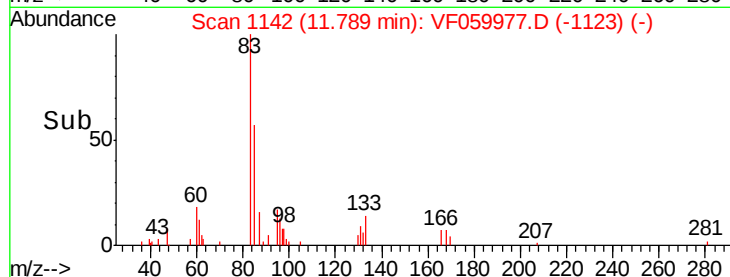
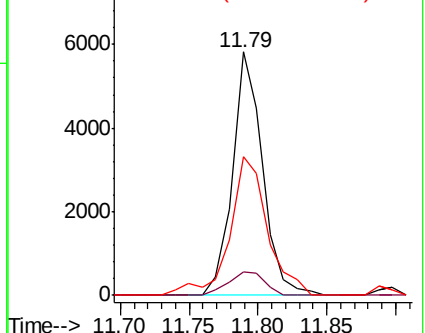
85 57.2 34.1 102.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 5.020 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF059977.D

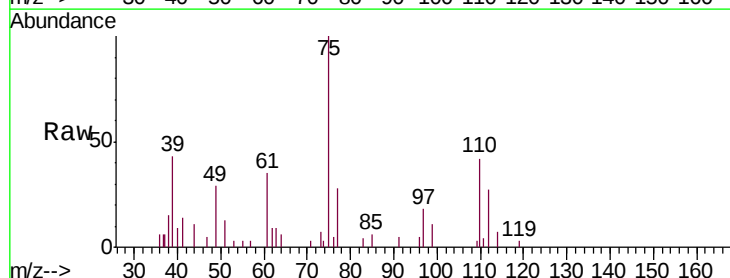
Acq: 17 Aug 2018 17:09

Tgt Ion: 75 Resp: 7310

Ion Ratio Lower Upper

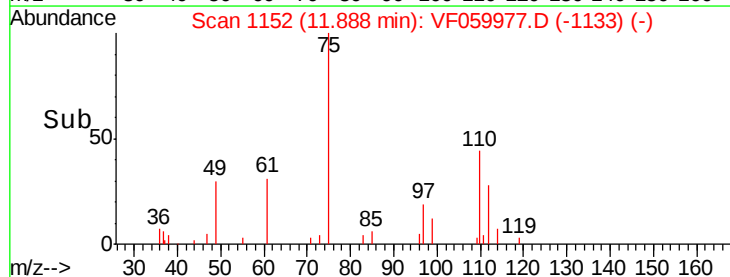
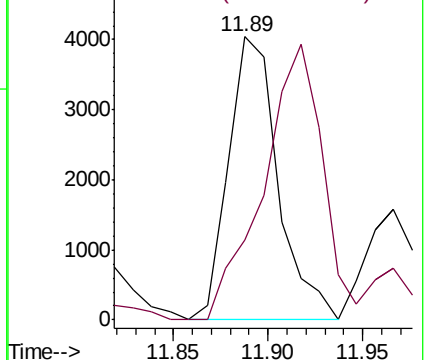
75 100

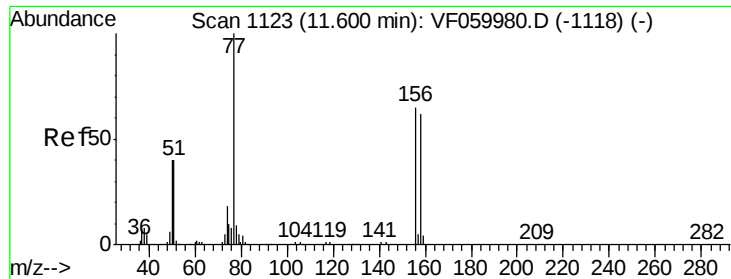
77 28.4 17.1 51.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 5.446 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampled :

BFB

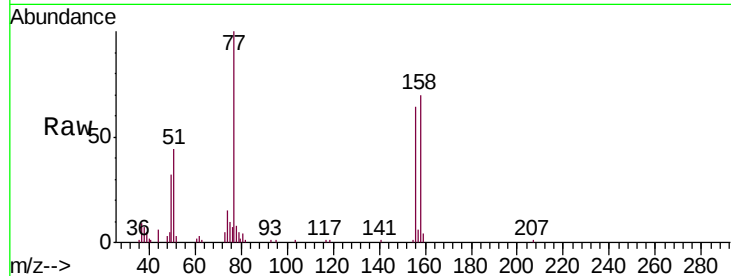
Tgt Ion: 156 Resp: 12271

Ion Ratio Lower Upper

156 100

77 156.2 76.9 230.7

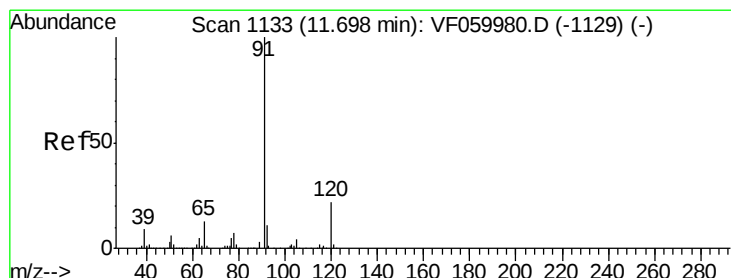
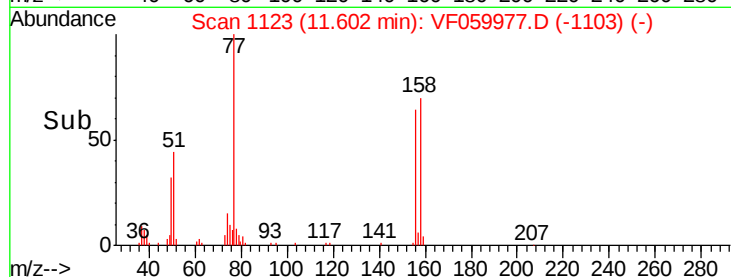
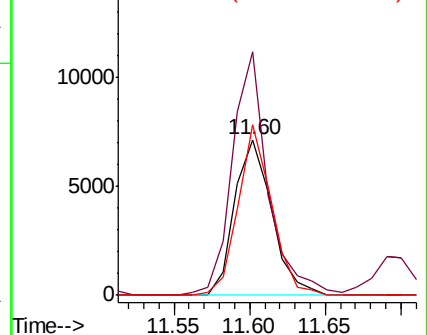
158 109.5 47.7 143.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 5.783 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF059977.D

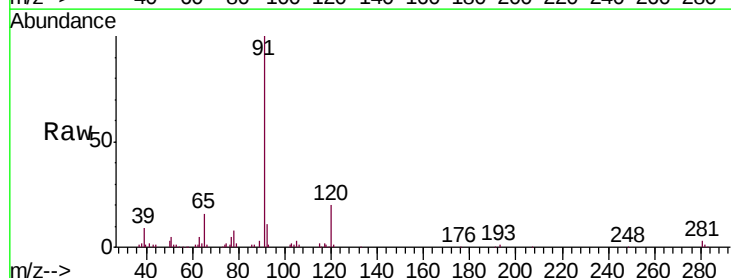
Acq: 17 Aug 2018 17:09

Tgt Ion: 91 Resp: 57345

Ion Ratio Lower Upper

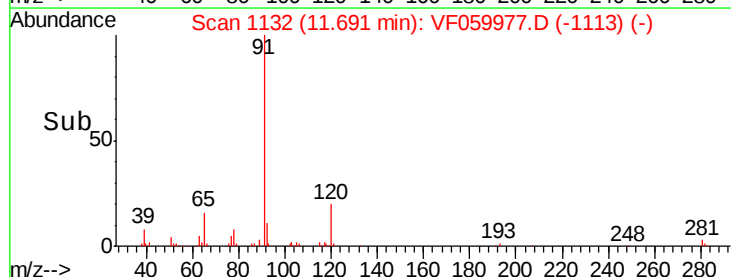
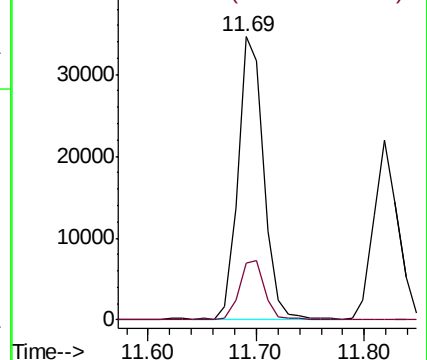
91 100

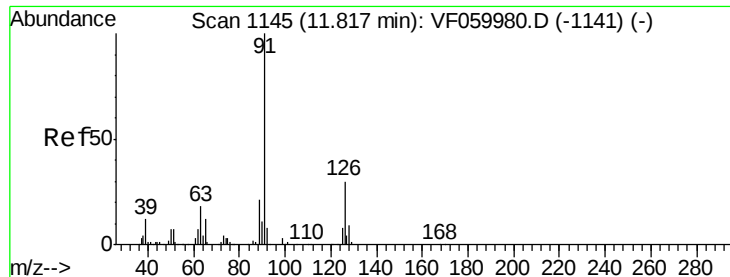
120 20.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.635 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

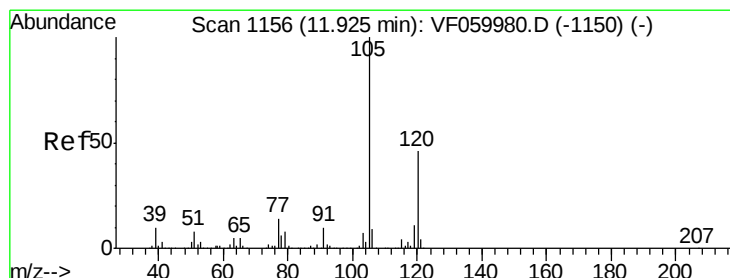
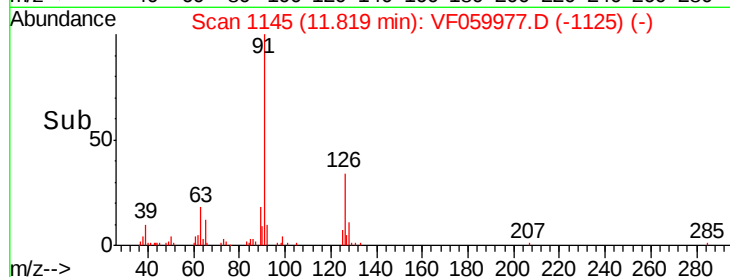
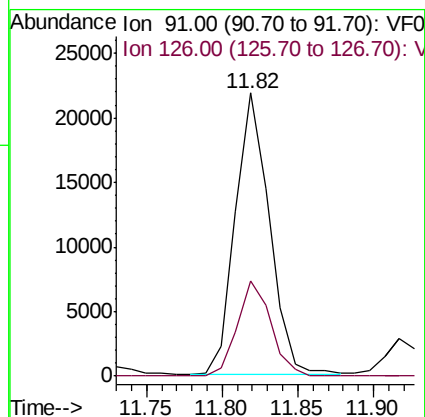
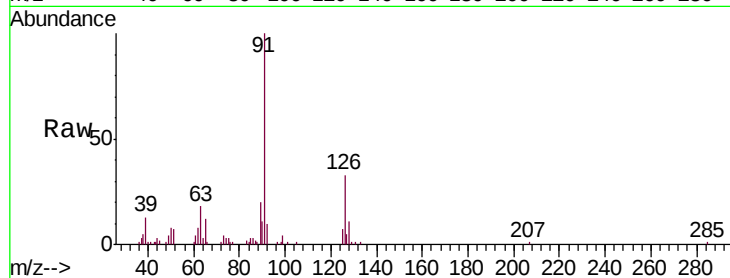
BFB

Tgt Ion: 91 Resp: 34226

Ion Ratio Lower Upper

91 100

126 33.5 14.7 44.1



#80

1,3,5-Trimethylbenzene

Concen: 5.382 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF059977.D

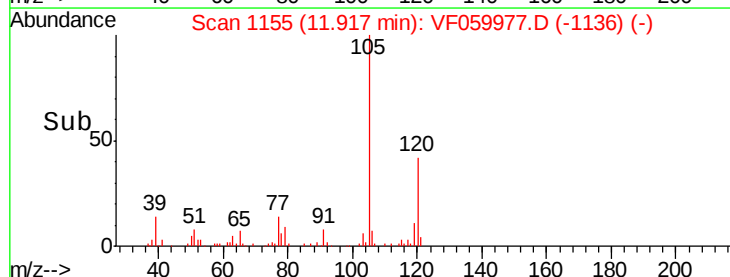
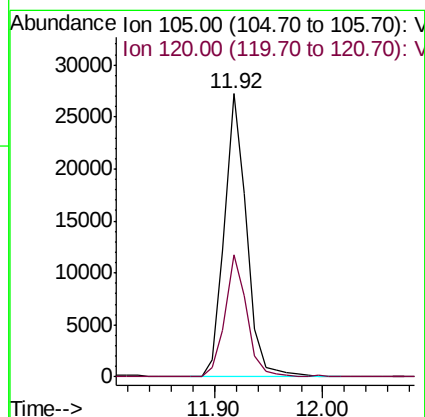
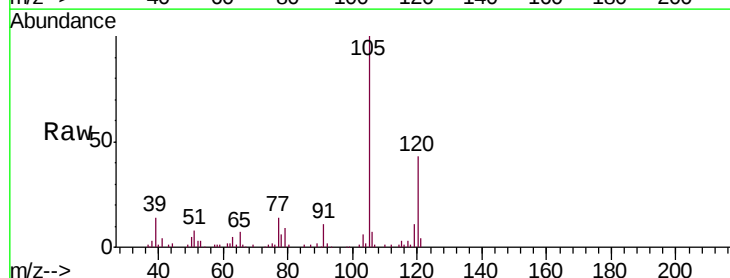
Acq: 17 Aug 2018 17:09

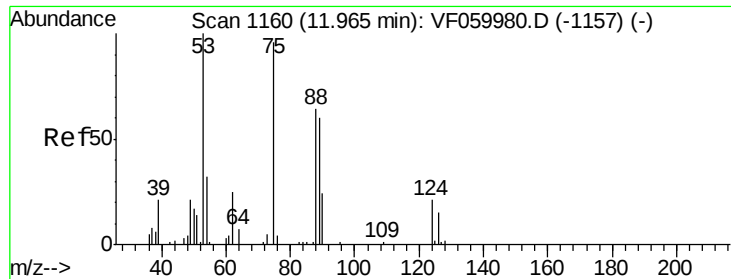
Tgt Ion: 105 Resp: 38907

Ion Ratio Lower Upper

105 100

120 42.9 22.9 68.7





#81

trans-1,4-Dichloro-2-butene

Concen: 5.688 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

BFB

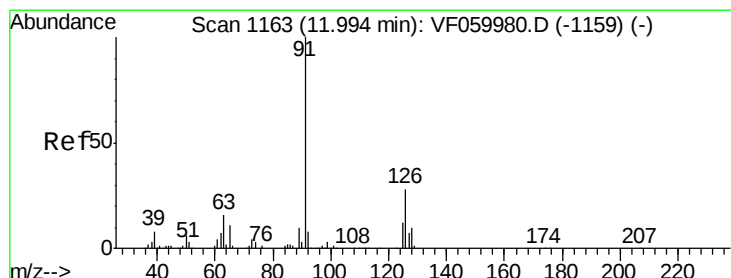
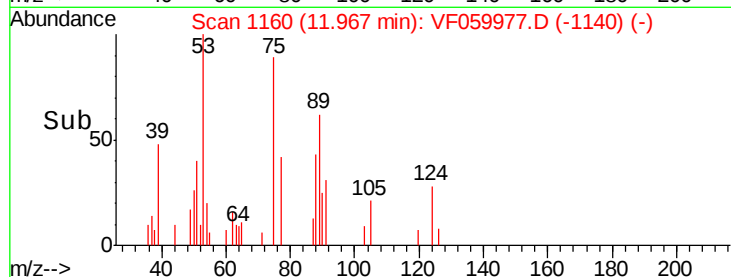
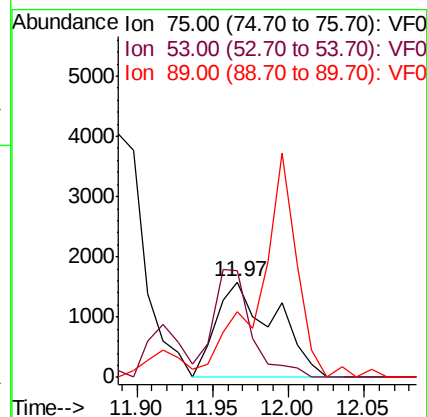
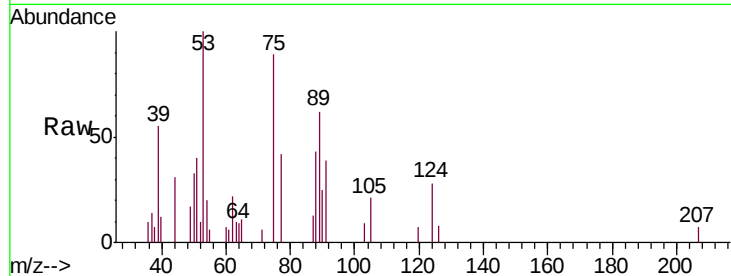
Tgt Ion: 75 Resp: 4270

Ion Ratio Lower Upper

75 100

53 112.5 87.4 131.0

89 69.4 52.8 79.2



#82

4-Chlorotoluene

Concen: 5.278 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059977.D

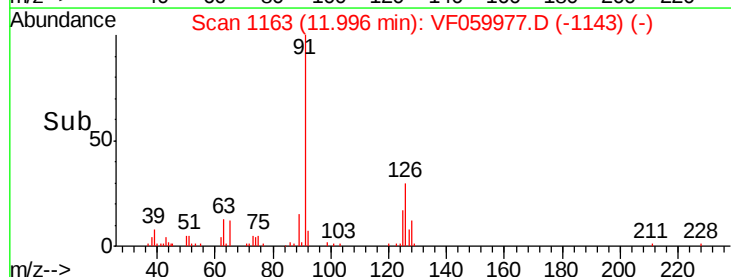
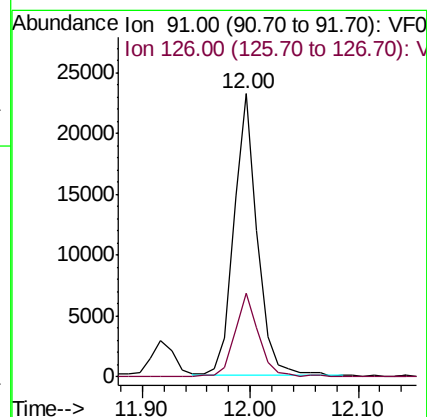
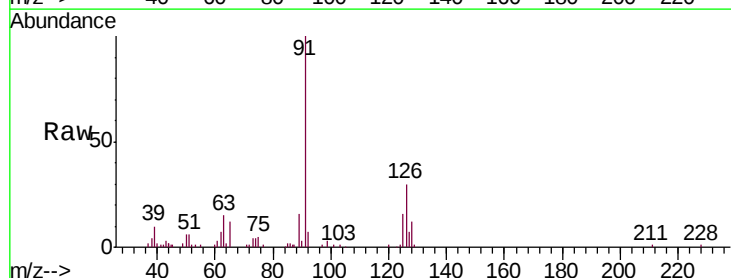
Acq: 17 Aug 2018 17:09

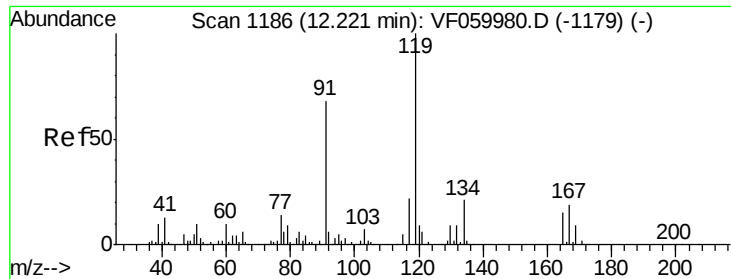
Tgt Ion: 91 Resp: 34908

Ion Ratio Lower Upper

91 100

126 29.7 14.1 42.4

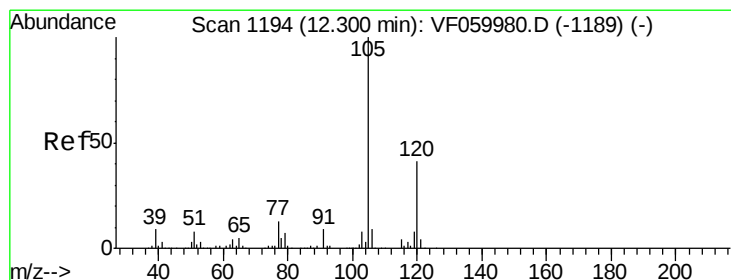
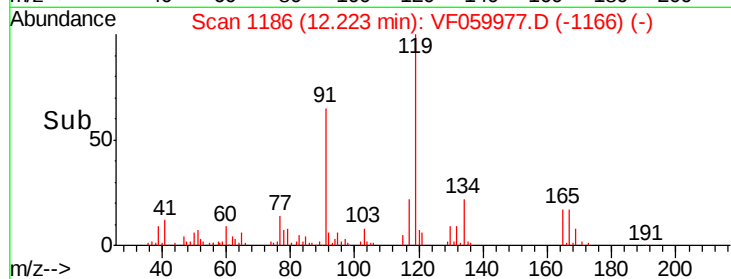
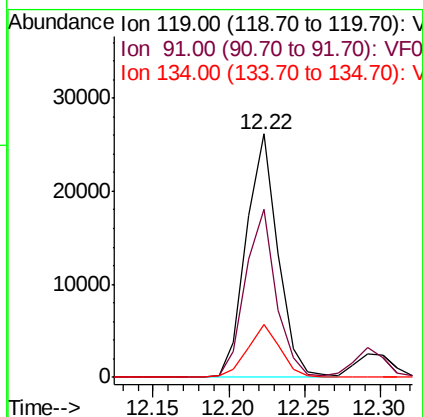
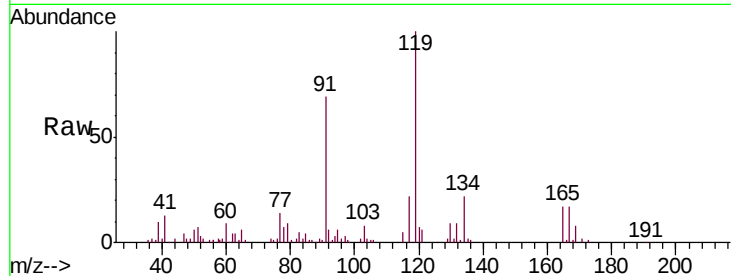




#83
 tert-Butylbenzene
 Concen: 5.370 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

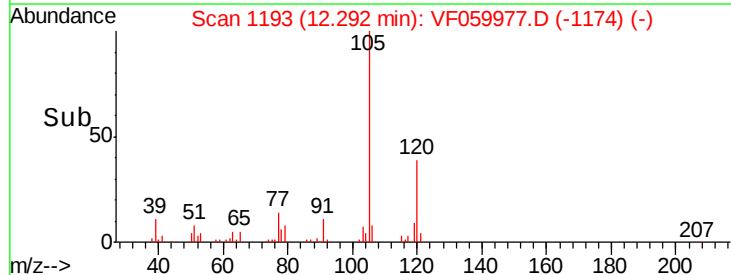
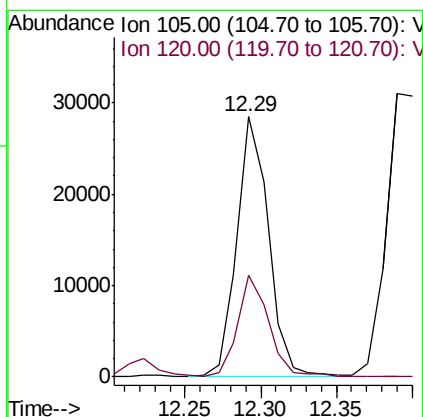
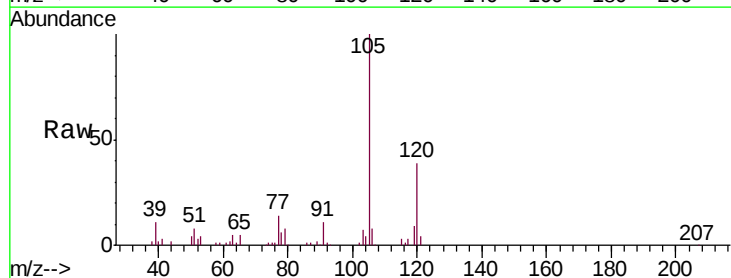
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

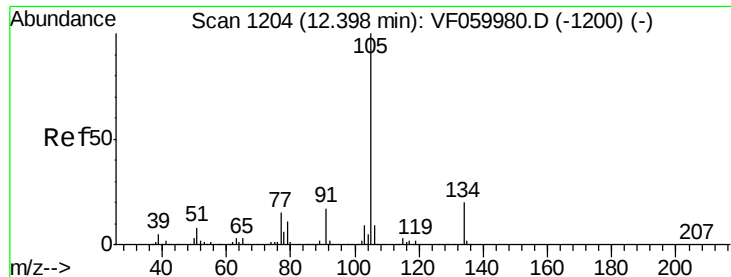
Tgt Ion:119 Resp: 38374
 Ion Ratio Lower Upper
 119 100
 91 68.9 34.1 102.2
 134 21.9 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 5.476 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Tgt Ion:105 Resp: 41578
 Ion Ratio Lower Upper
 105 100
 120 39.3 20.9 62.7

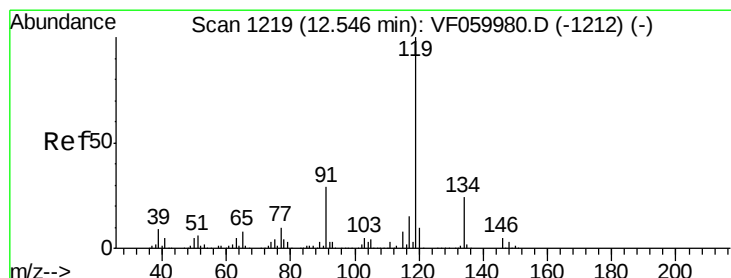
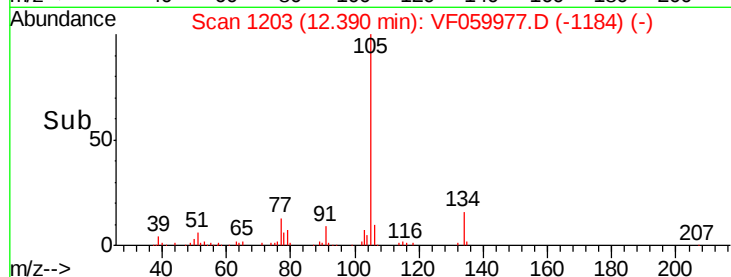
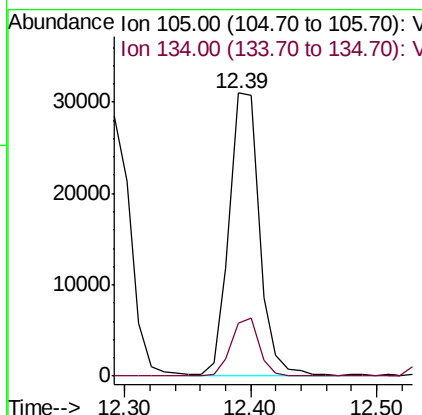
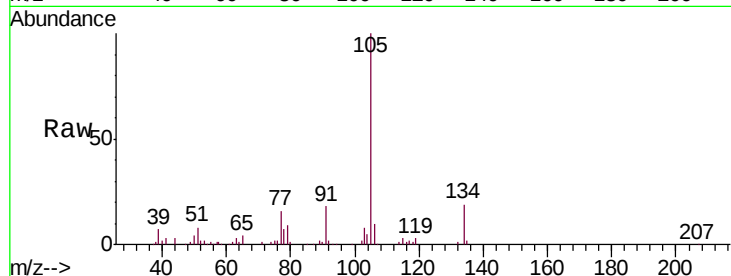




#85
 sec-Butylbenzene
 Concen: 5.552 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

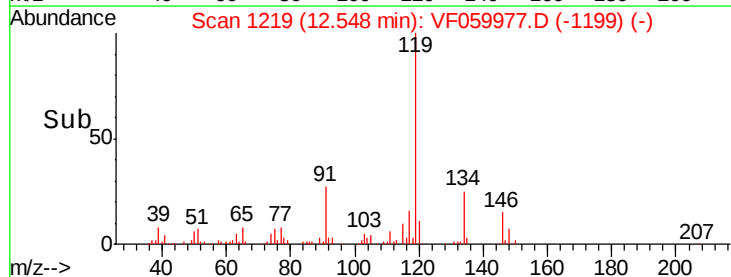
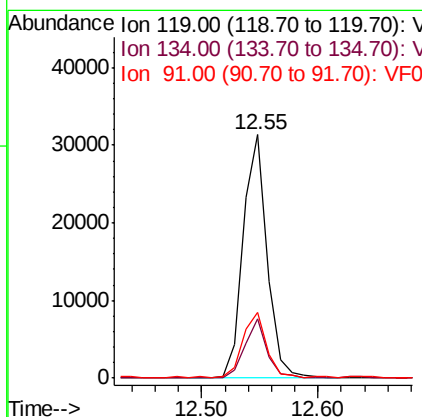
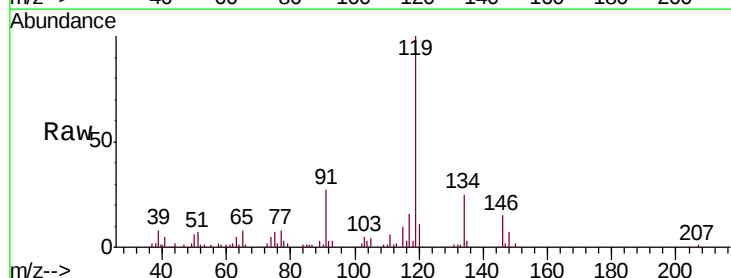
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

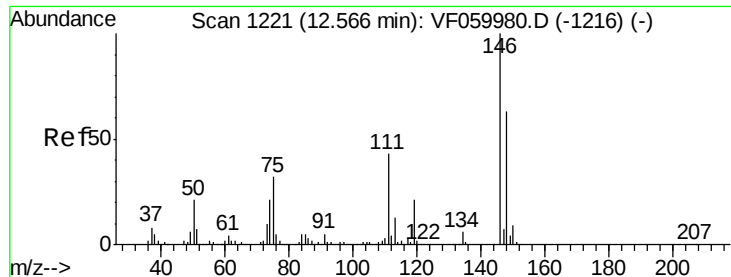
Tgt Ion:105 Resp: 51907
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 5.409 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Tgt Ion:119 Resp: 44710
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.1 36.3
 91 27.0 14.4 43.4





#87

1,3-Dichlorobenzene

Concen: 5.862 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

BFB

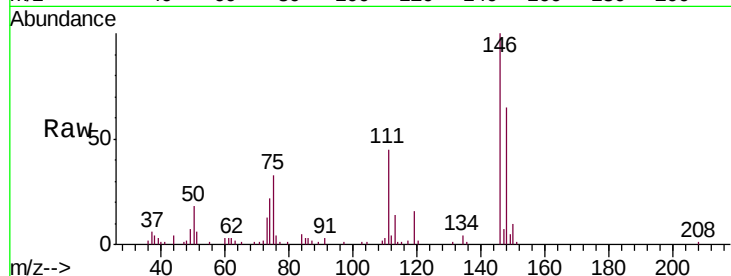
Tgt Ion:146 Resp: 24969

Ion Ratio Lower Upper

146 100

111 44.9 21.3 63.7

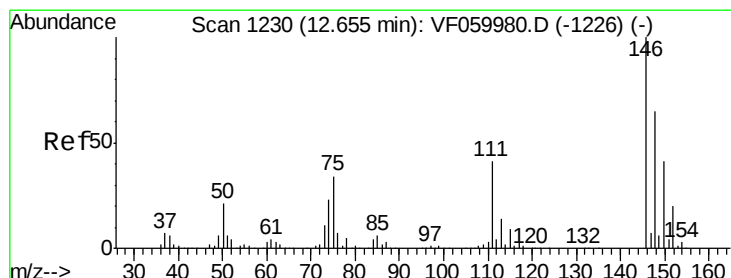
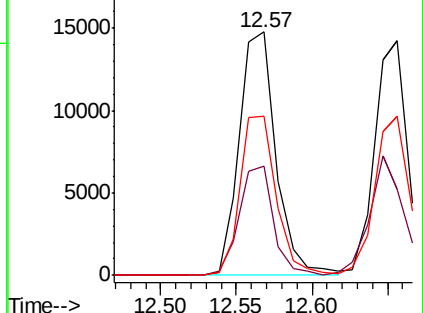
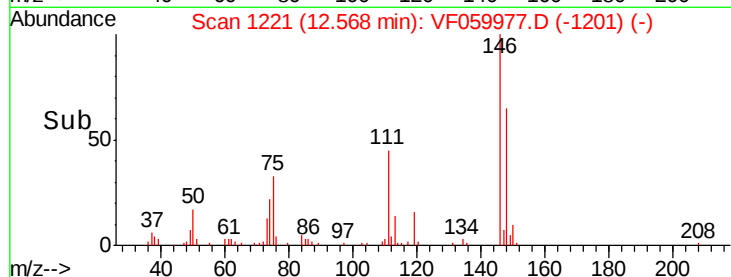
148 65.3 31.6 95.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 5.430 ug/l

RT: 12.66 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VF059977.D

Acq: 17 Aug 2018 17:09

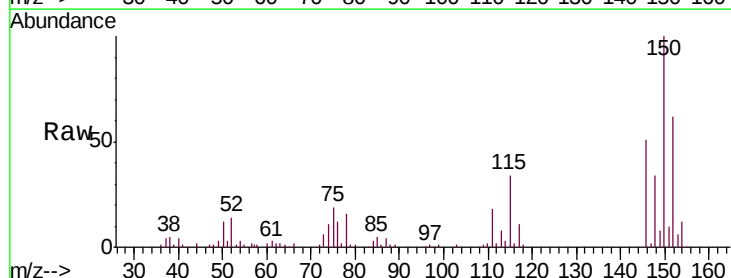
Tgt Ion:146 Resp: 22648

Ion Ratio Lower Upper

146 100

111 36.5 20.3 61.0

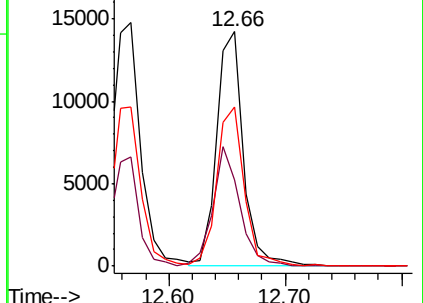
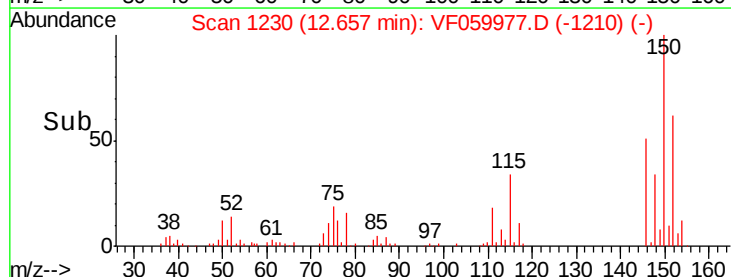
148 67.9 32.6 97.8

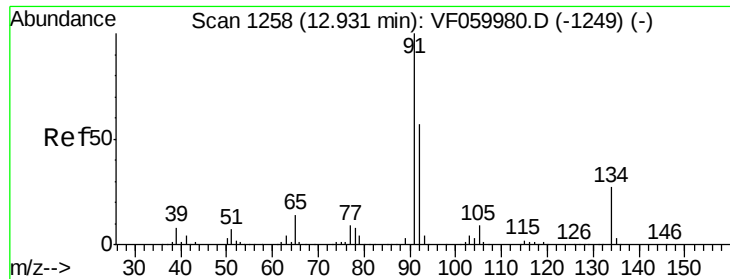


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

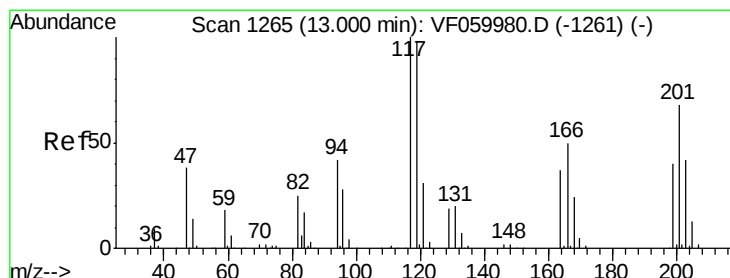
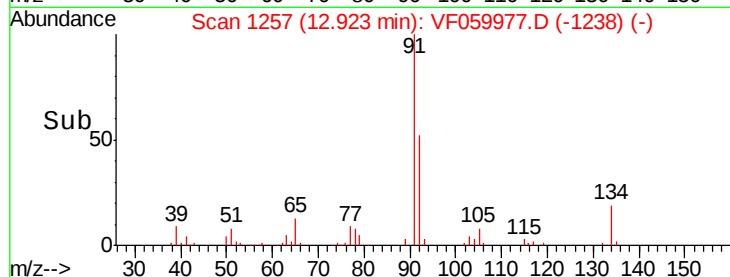
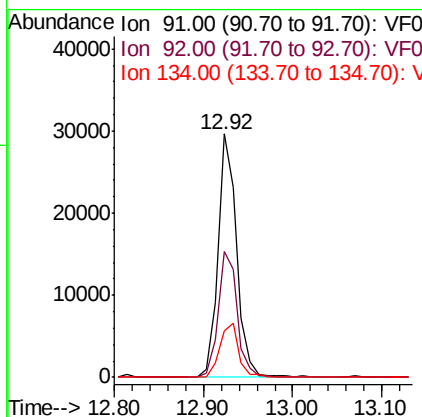
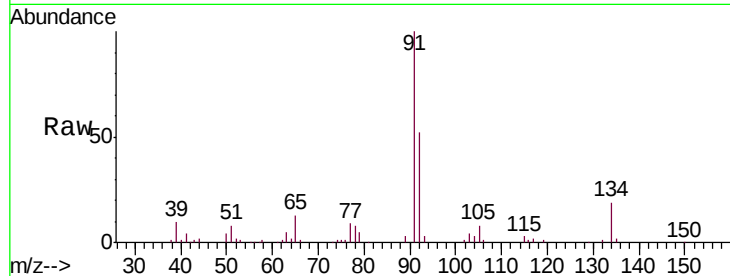




#89
n-Butylbenzene
Concen: 5.435 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

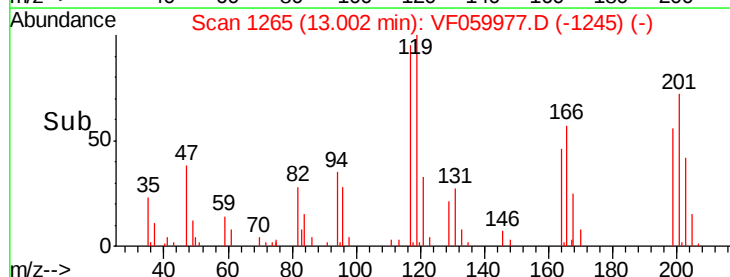
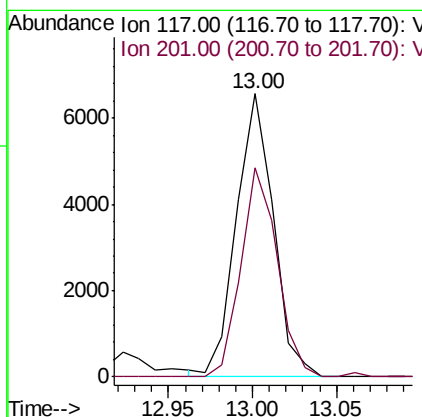
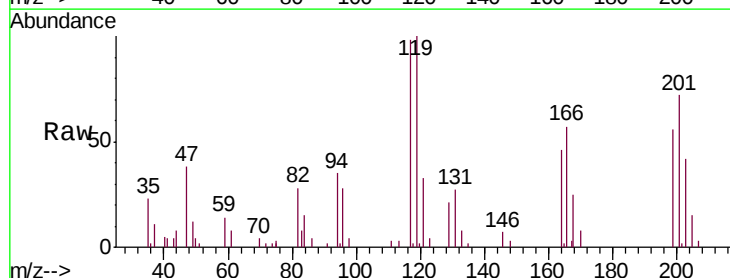
Instrument :
MSVOA_F
ClientSampleId :
BFB

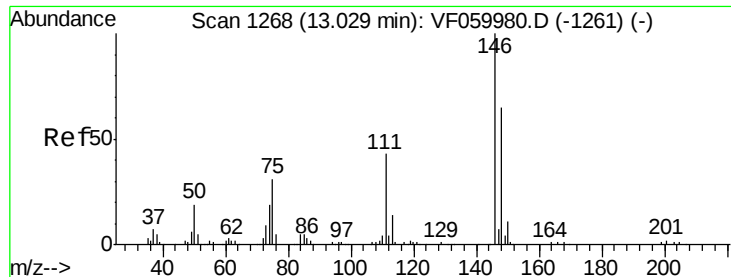
Tgt Ion: 91 Resp: 43422
Ion Ratio Lower Upper
91 100
92 51.8 28.7 86.3
134 19.3 13.3 39.9



#90
Hexachloroethane
Concen: 5.380 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion: 117 Resp: 10005
Ion Ratio Lower Upper
117 100
201 73.9 34.5 103.5

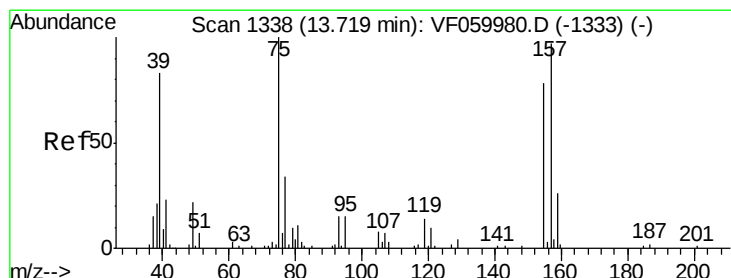
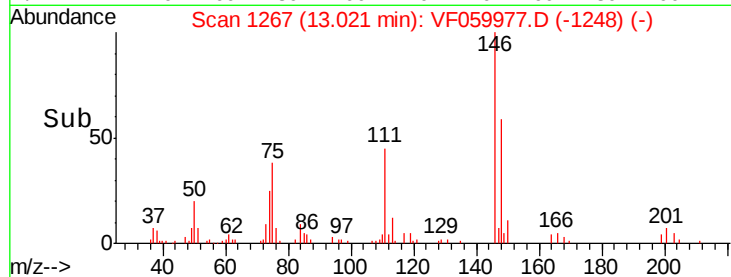
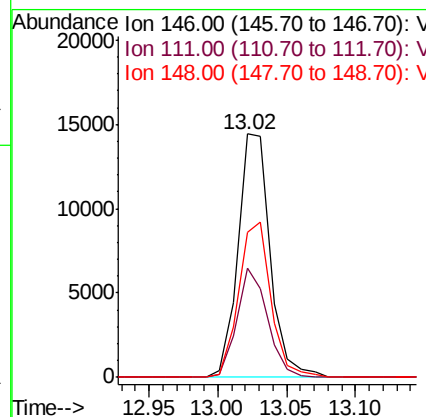
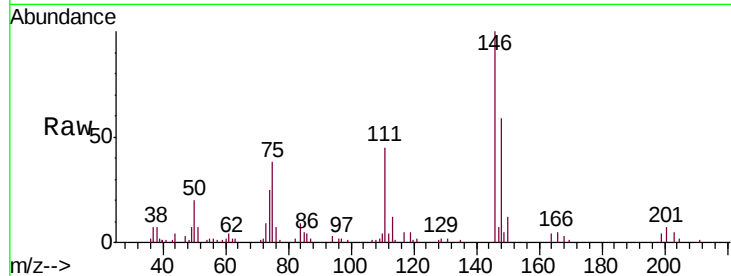




#91
 1,2-Dichlorobenzene
 Concen: 5.762 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

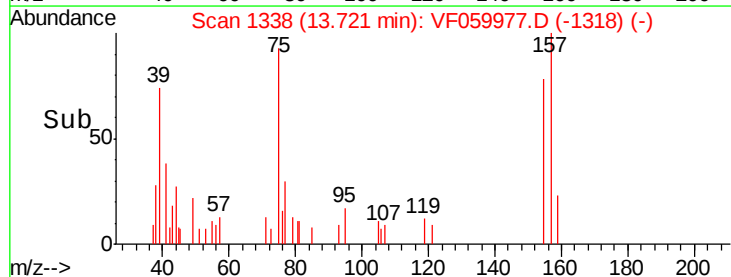
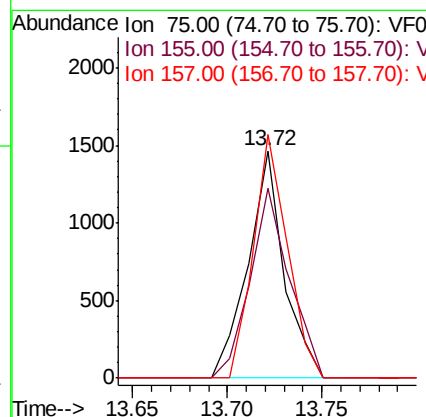
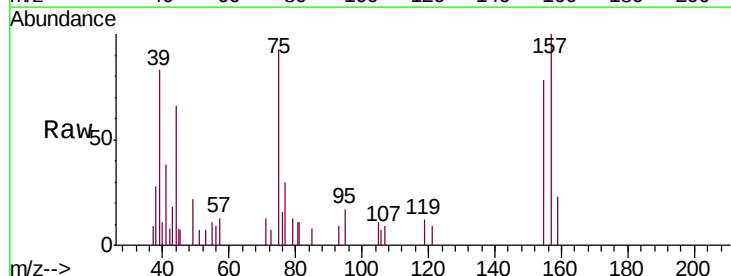
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

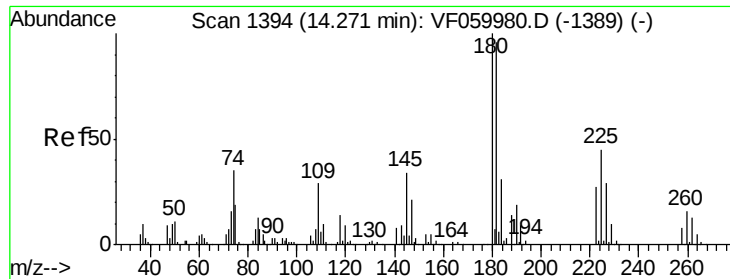
Tgt Ion:146 Resp: 23616
 Ion Ratio Lower Upper
 146 100
 111 44.7 21.4 64.3
 148 59.3 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.209 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Tgt Ion: 75 Resp: 1933
 Ion Ratio Lower Upper
 75 100
 155 83.4 38.9 116.7
 157 107.1 50.8 152.5

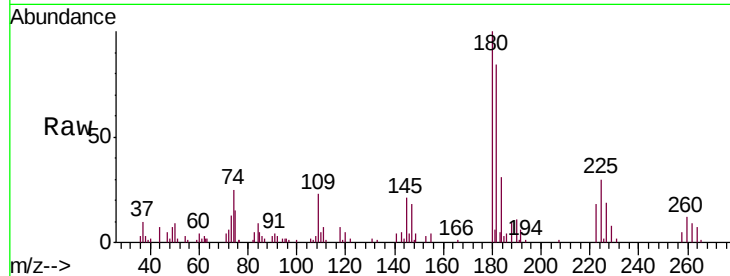




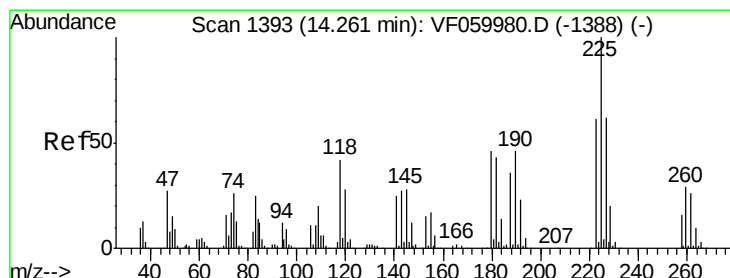
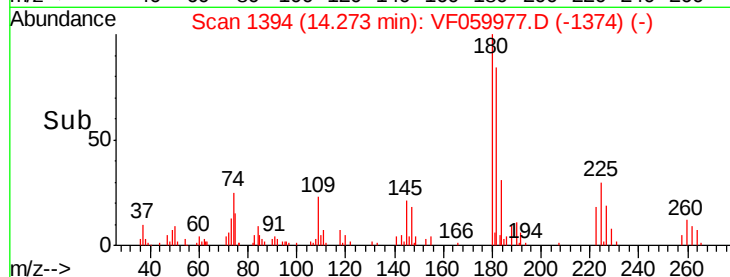
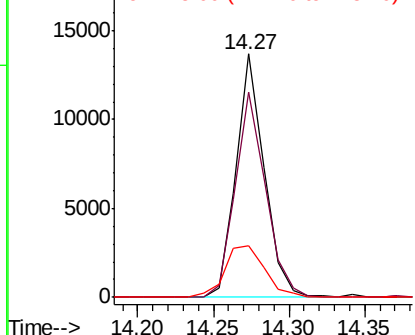
#93
 1,2,4-Trichlorobenzene
 Concen: 5.332 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 17732
 Ion Ratio Lower Upper
 180 100
 182 84.5 47.9 143.6
 145 21.3 17.2 51.5

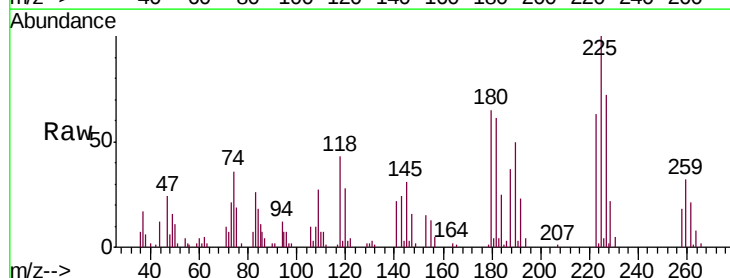


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

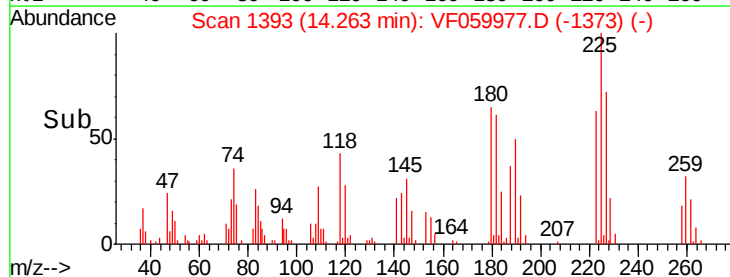
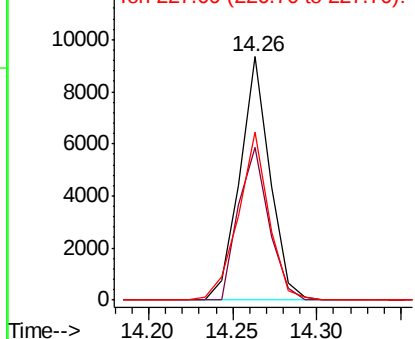


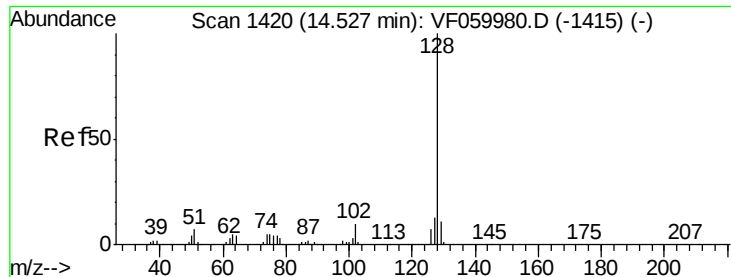
#94
 Hexachlorobutadiene
 Concen: 5.286 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059977.D
 Acq: 17 Aug 2018 17:09

Tgt Ion:225 Resp: 11608
 Ion Ratio Lower Upper
 225 100
 223 62.9 29.1 87.4
 227 68.8 29.8 89.5



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

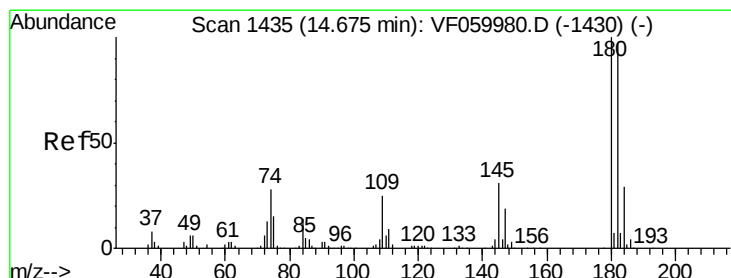
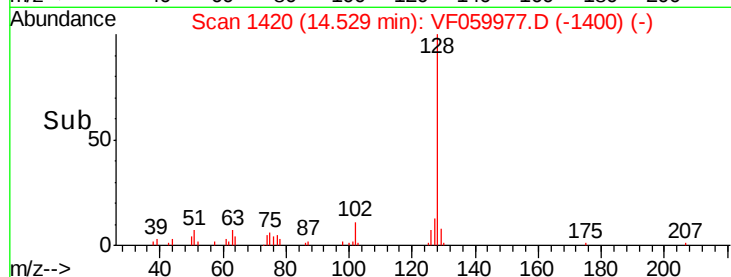
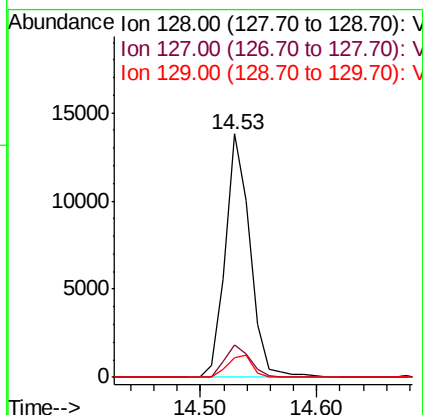
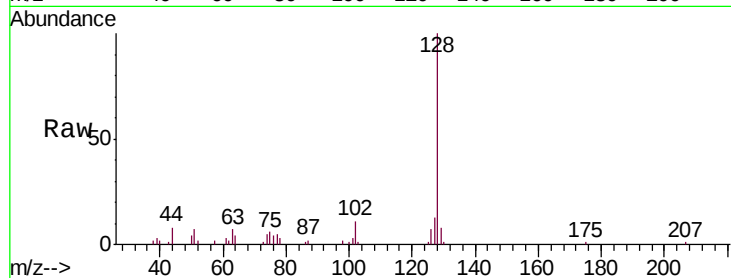




#95
Naphthalene
Concen: 4.192 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion:128 Resp: 20273
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.2
129 8.0 9.0 13.4#



#96
1,2,3-Trichlorobenzene
Concen: 5.137 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059977.D
Acq: 17 Aug 2018 17:09

Tgt Ion:180 Resp: 16503
Ion Ratio Lower Upper
180 100
182 90.5 48.5 145.5
145 27.8 15.7 47.1

