

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059452.D
 Acq On : 6 Jul 2018 16:28
 Operator : VA/AP
 Sample : VF0706SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

Quant Time: Jul 07 01:49:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	253333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	380581	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	373435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	239773	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	154954	47.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.68%	
35) Dibromofluoromethane	4.27	113	135324	48.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.32%	
50) Toluene-d8	7.69	98	304450	44.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.44%	
62) 4-Bromofluorobenzene	11.50	95	182798	47.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	50766	21.933	ug/l	98
3) Chloromethane	1.08	50	28027	18.024	ug/l	98
4) Vinyl Chloride	1.14	62	31454	20.550	ug/l	98
5) Bromomethane	1.33	94	19817	20.168	ug/l	92
6) Chloroethane	1.41	64	15972	20.719	ug/l	95
7) Trichlorofluoromethane	1.47	101	18304	6.048	ug/l	99
8) Diethyl Ether	1.69	74	15347	19.776	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.89	101	39536	22.378	ug/l	95
10) Methyl Iodide	1.95	142	64563	20.040	ug/l	99
11) Tert butyl alcohol	2.67	59	19718	90.492	ug/l	96
12) 1,1-Dichloroethene	1.85	96	34989	23.427	ug/l	82
13) Acrolein	2.08	56	9081	73.774	ug/l	87
14) Allyl chloride	2.17	41	59568	21.247	ug/l	99
15) Acrylonitrile	3.06	53	46244	120.517	ug/l	91
16) Acetone	2.32	43	94154	109.449	ug/l	100
17) Carbon Disulfide	1.86	76	66072	18.806	ug/l	99
18) Methyl Acetate	2.44	43	35579	23.466	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	120379	21.608	ug/l #	93
20) Methylene Chloride	2.26	84	20695	4.559	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	36298	22.783	ug/l	86
22) Diisopropyl ether	2.91	45	135033	21.750	ug/l	99
23) Vinyl Acetate	3.31	43	444361	112.385	ug/l	99
24) 1,1-Dichloroethane	2.98	63	82088	21.325	ug/l	98
25) 2-Butanone	4.49	43	107450	106.950	ug/l	99
26) 2,2-Dichloropropane	3.74	77	64662	24.355	ug/l	98
27) cis-1,2-Dichloroethene	3.60	96	52073	21.527	ug/l	86
28) Bromochloromethane	3.87	49	39131	24.289	ug/l	93
29) Tetrahydrofuran	4.23	42	48363	109.919	ug/l	94
30) Chloroform	4.01	83	125379	22.499	ug/l	100
31) Cyclohexane	3.84	56	52836	20.953	ug/l #	87
32) 1,1,1-Trichloroethane	4.25	97	95519	23.423	ug/l	94
36) 1,1-Dichloropropene	4.43	75	77522	23.317	ug/l	94
37) Ethyl Acetate	4.27	43	47259	21.373	ug/l	94
38) Carbon Tetrachloride	4.14	117	108919	25.960	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059452.D
 Acq On : 6 Jul 2018 16:28
 Operator : VA/AP
 Sample : VF0706SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

Quant Time: Jul 07 01:49:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	63258	21.471	ug/l	93
40) Benzene	4.78	78	157701	21.393	ug/l	99
41) Methacrylonitrile	4.90	41	22363	19.719	ug/l	91
42) 1,2-Dichloroethane	5.10	62	99013	22.986	ug/l	95
43) Isopropyl Acetate	7.09	43	60751	21.937	ug/l	99
44) Trichloroethene	5.65	130	57110	22.584	ug/l	98
45) 1,2-Dichloropropane	6.38	63	45370	21.542	ug/l	98
46) Dibromomethane	6.23	93	39446	21.579	ug/l	90
47) Bromodichloromethane	6.53	83	97265	21.981	ug/l	96
48) Methyl methacrylate	6.85	41	38474	20.729	ug/l	95
49) 1,4-Dioxane	6.84	88	3646	340.092	ug/l	85
51) 4-Methyl-2-Pentanone	8.38	43	215732	105.151	ug/l	100
52) Toluene	7.75	92	113828	20.636	ug/l	95
53) t-1,3-Dichloropropene	8.40	75	90524	22.443	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	91005	20.772	ug/l	91
55) 1,1,2-Trichloroethane	8.62	97	47347	22.108	ug/l	95
56) Ethyl methacrylate	8.74	69	53589	20.199	ug/l	94
57) 1,3-Dichloropropane	8.97	76	74411	20.259	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.75	63	21948	110.306	ug/l	100
59) 2-Hexanone	9.60	43	198184	119.779	ug/l	91
60) Dibromochloromethane	8.83	129	72879	22.042	ug/l	90
61) 1,2-Dibromoethane	9.11	107	53340	20.536	ug/l	98
64) Tetrachloroethene	8.29	164	49563	20.464	ug/l	95
65) Chlorobenzene	9.92	112	152360	22.018	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.05	131	70379	23.516	ug/l	96
67) Ethyl Benzene	10.02	91	273302	23.282	ug/l	99
68) m/p-Xylenes	10.24	106	195470	46.783	ug/l	96
69) o-Xylene	10.82	106	102723	21.980	ug/l	96
70) Styrene	10.89	104	165537	23.253	ug/l	99
71) Bromoform	10.88	173	47022	22.923	ug/l	93
73) Isopropylbenzene	11.21	105	315266	22.570	ug/l	97
74) N-amyl acetate	11.45	43	107031	21.115	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	74774	21.196	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	56477	21.223	ug/l	97
77) Bromobenzene	11.59	156	84733	21.864	ug/l	83
78) n-propylbenzene	11.67	91	373117	22.241	ug/l	98
79) 2-Chlorotoluene	11.80	91	226342	22.084	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	274475	22.432	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	34244	21.621	ug/l	95
82) 4-Chlorotoluene	11.98	91	240991	21.952	ug/l	97
83) tert-Butylbenzene	12.21	119	294863	24.094	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	289483	22.464	ug/l	96
85) sec-Butylbenzene	12.37	105	374904	23.111	ug/l	98
86) p-Isopropyltoluene	12.52	119	320586	23.549	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	162862	22.966	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	155071	22.405	ug/l	99
89) n-Butylbenzene	12.91	91	327362	23.688	ug/l	93
90) Hexachloroethane	12.98	117	77944	22.972	ug/l	93
91) 1,2-Dichlorobenzene	13.00	146	161008	22.885	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	15417	19.714	ug/l	79

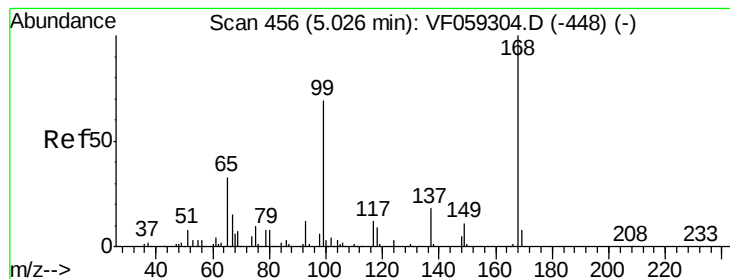
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF070618\
Data File : VF059452.D
Acq On : 6 Jul 2018 16:28
Operator : VA/AP
Sample : VF0706SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Quant Time: Jul 07 01:49:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	120275	23.120	ug/l	94
94) Hexachlorobutadiene	14.25	225	69391	23.880	ug/l	94
95) Naphthalene	14.51	128	241768	22.212	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	115318	23.400	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

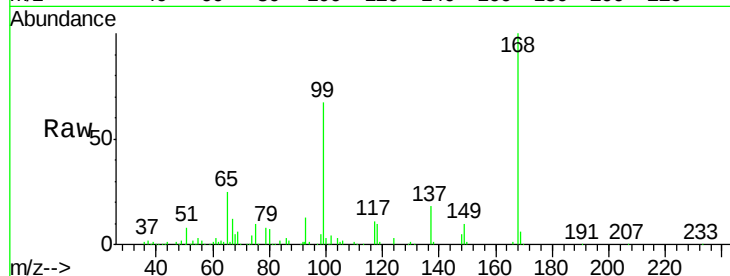
VF0706SBSD01

Tot Ion:168 Resp: 253333

Ion Ratio Lower Upper

168 100

99 66.7 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

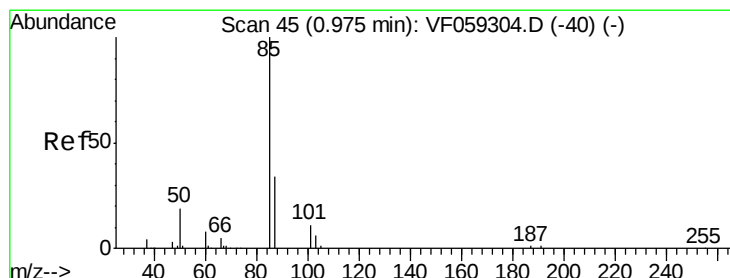
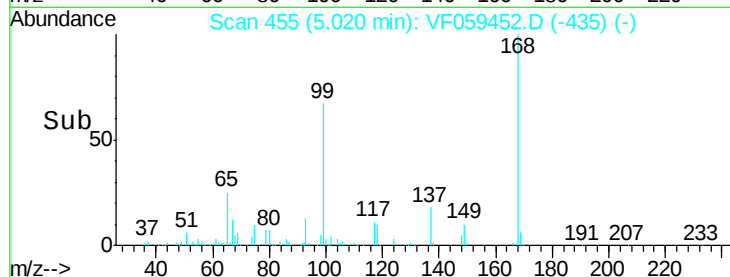
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 21.933 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059452.D

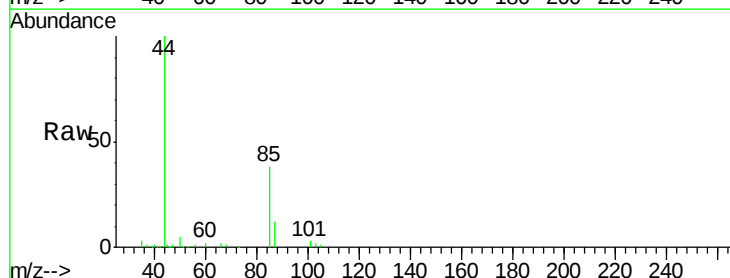
Acq: 6 Jul 2018 16:28

Tgt Ion: 85 Resp: 50766

Ion Ratio Lower Upper

85 100

87 32.8 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

15000

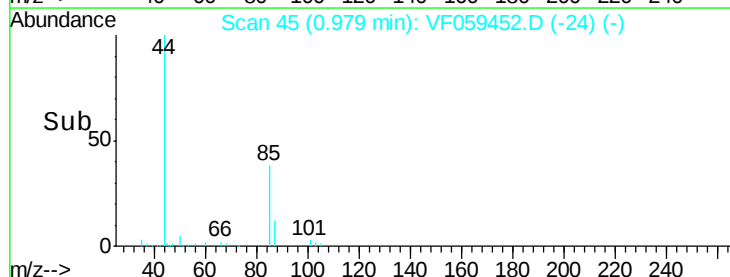
10000

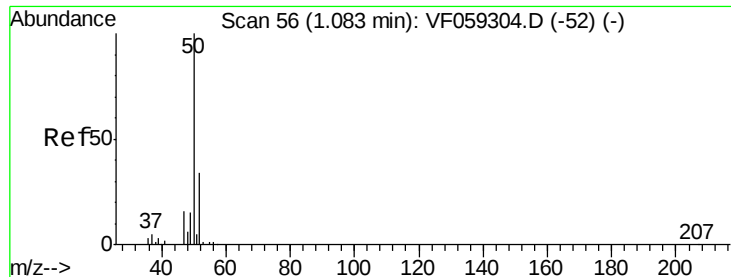
5000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 18.024 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

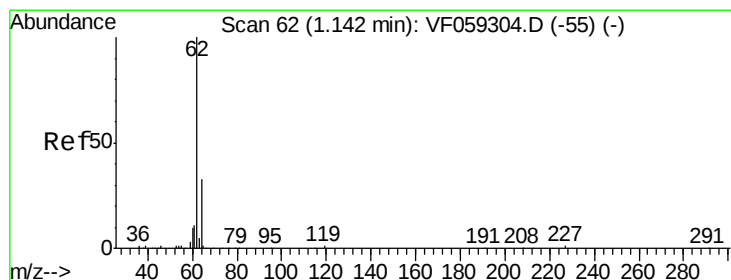
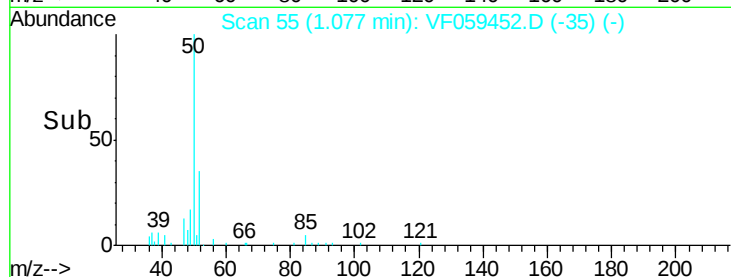
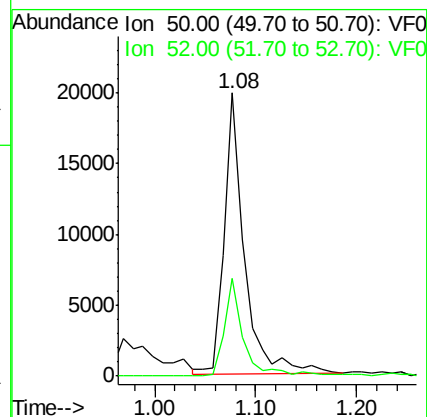
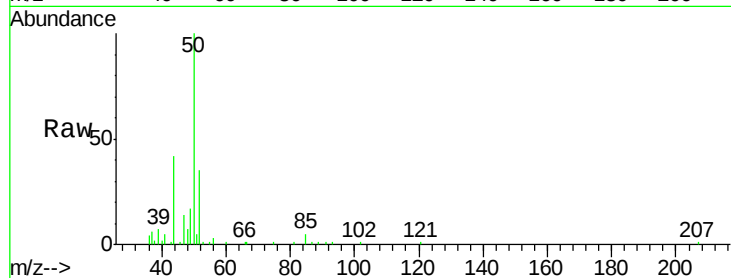
VF0706SBSD01

Tot Ion: 50 Resp: 28027

Ion Ratio Lower Upper

50 100

52 34.6 26.7 40.1



#4

Vinyl Chloride

Concen: 20.550 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059452.D

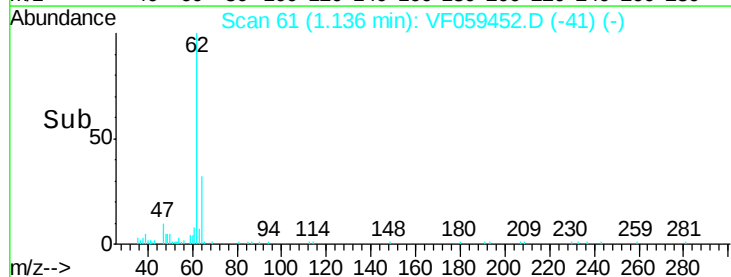
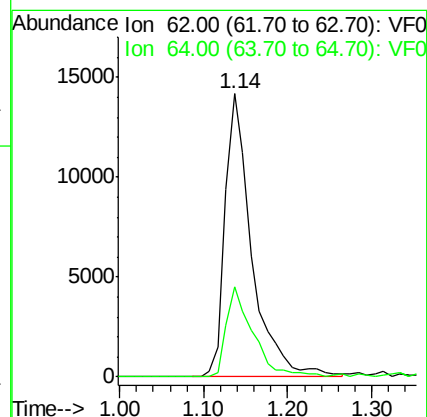
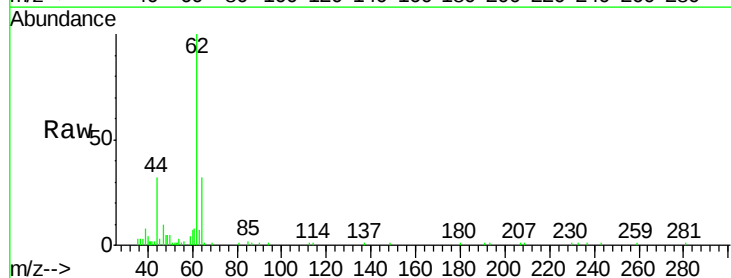
Acq: 6 Jul 2018 16:28

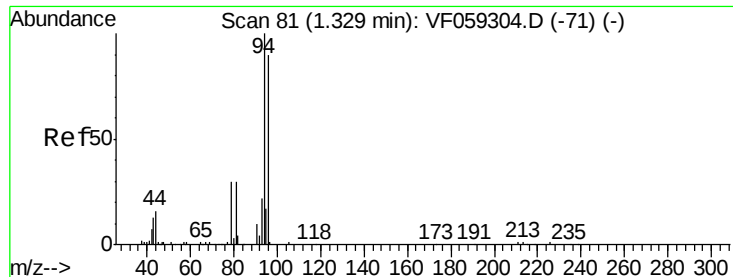
Tgt Ion: 62 Resp: 31454

Ion Ratio Lower Upper

62 100

64 31.7 26.3 39.5





#5

Bromomethane

Concen: 20.168 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

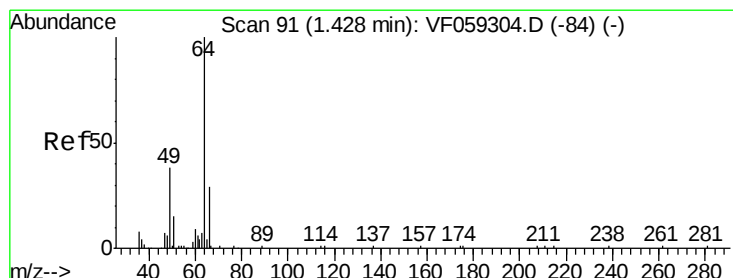
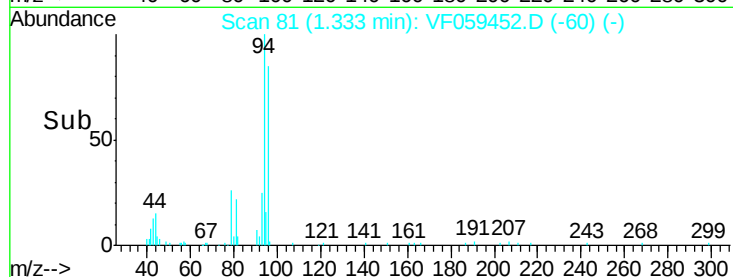
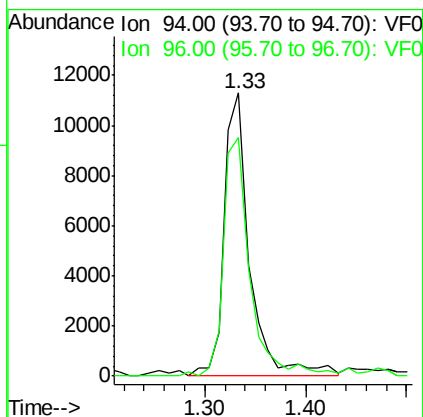
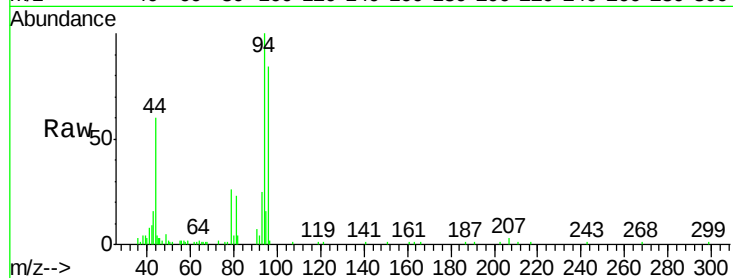
VF0706SBSD01

Tot Ion: 94 Resp: 19817

Ion Ratio Lower Upper

94 100

96 84.4 73.4 110.0



#6

Chloroethane

Concen: 20.719 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.02 min

Lab File: VF059452.D

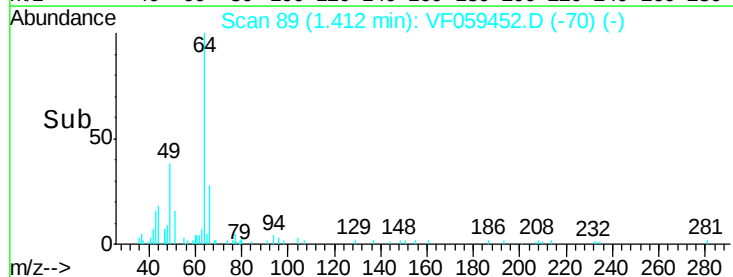
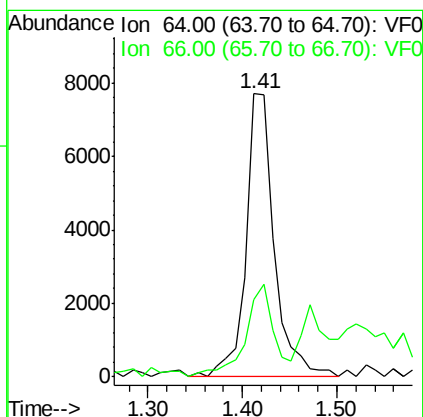
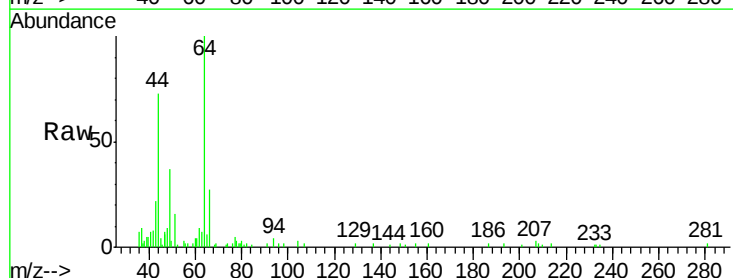
Acq: 6 Jul 2018 16:28

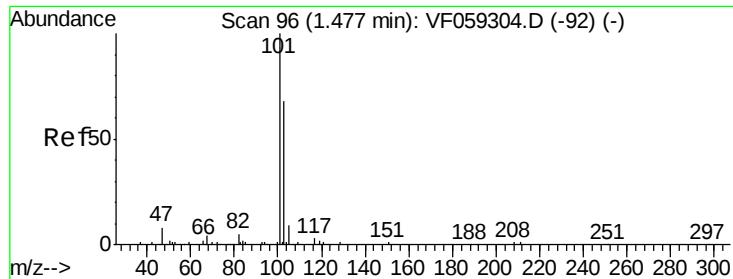
Tgt Ion: 64 Resp: 15972

Ion Ratio Lower Upper

64 100

66 27.4 23.9 35.9





#7

Trichlorofluoromethane

Concen: 6.048 ug/l

RT: 1.47 min Scan# 95

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

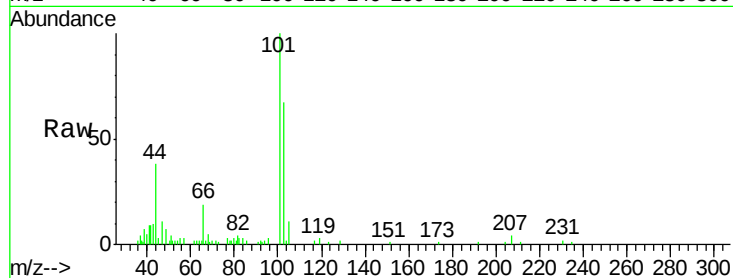
VF0706SBSD01

Tot Ion:101 Resp: 18304

Ion Ratio Lower Upper

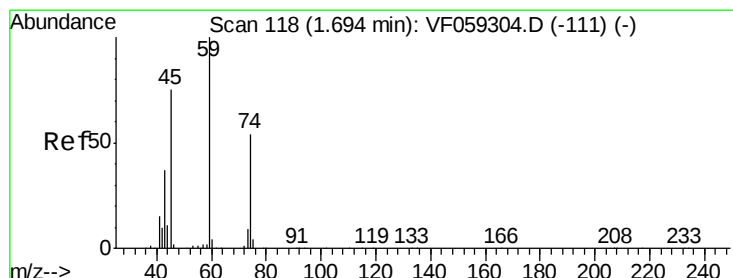
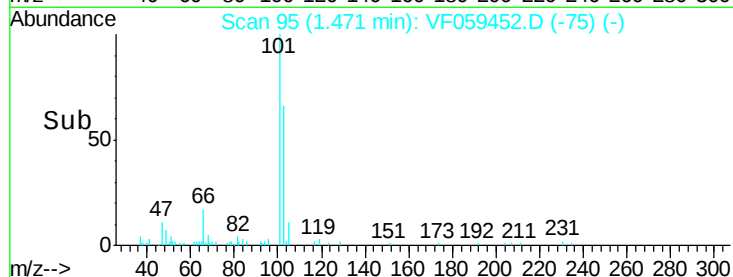
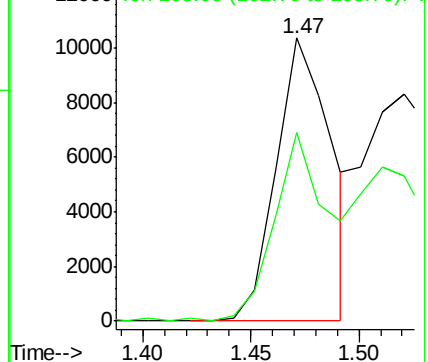
101 100

103 66.8 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.776 ug/l

RT: 1.69 min Scan# 117

Delta R.T. -0.01 min

Lab File: VF059452.D

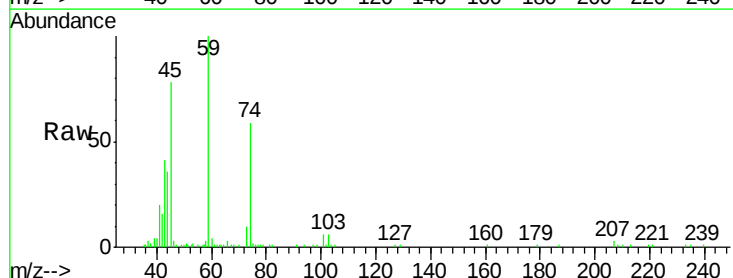
Acq: 6 Jul 2018 16:28

Tgt Ion: 74 Resp: 15347

Ion Ratio Lower Upper

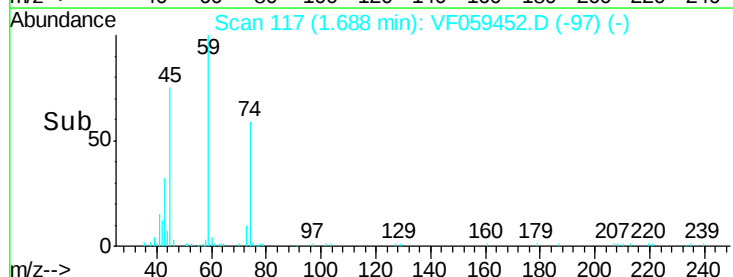
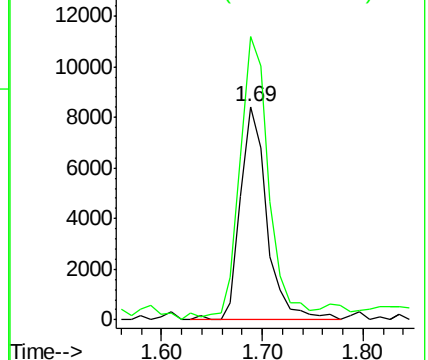
74 100

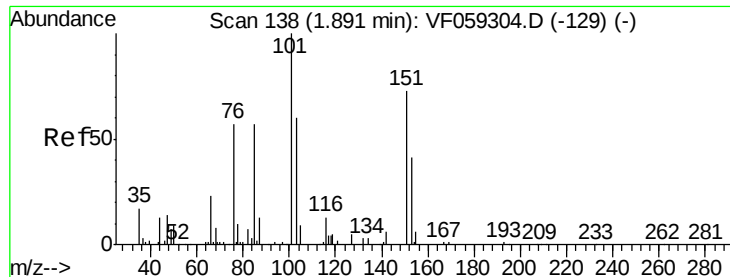
45 132.6 70.0 210.0



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: 22.378 ug/l

RT: 1.89 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

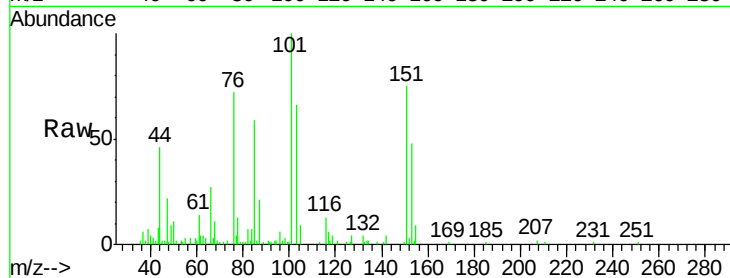
Tot Ion:101 Resp: 39536

Ion Ratio Lower Upper

101 100

85 58.6 44.5 66.7

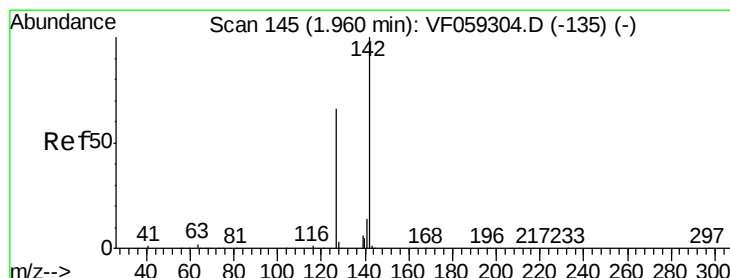
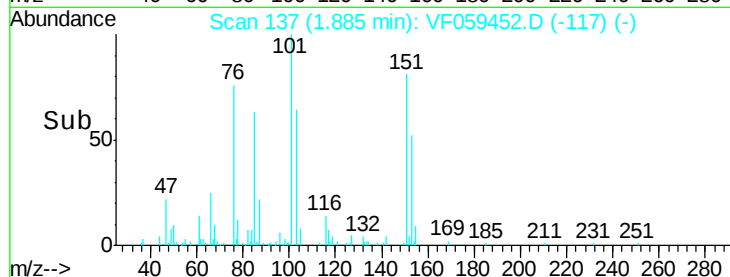
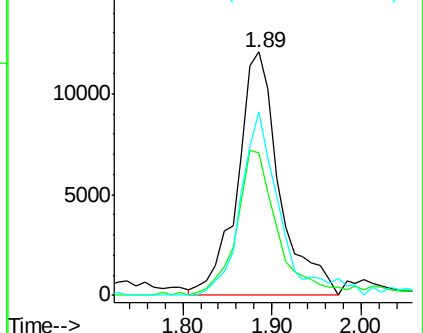
151 75.4 56.8 85.2



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: 20.040 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

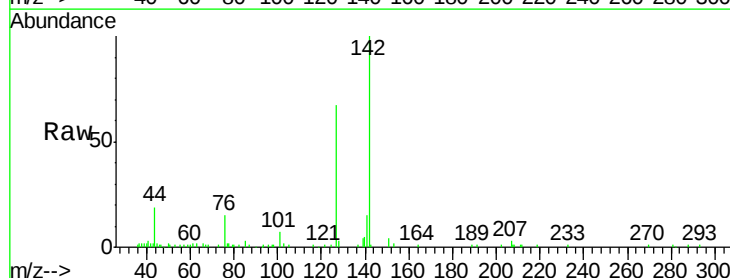
Tgt Ion:142 Resp: 64563

Ion Ratio Lower Upper

142 100

127 66.7 52.5 78.7

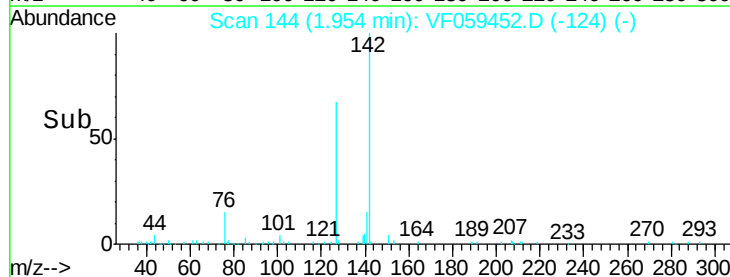
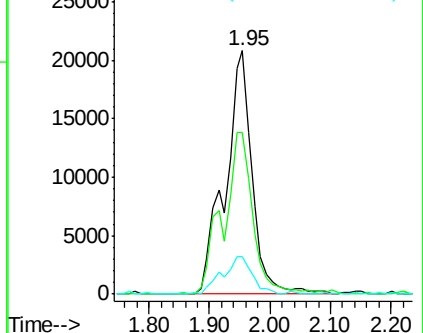
141 15.3 11.5 17.3

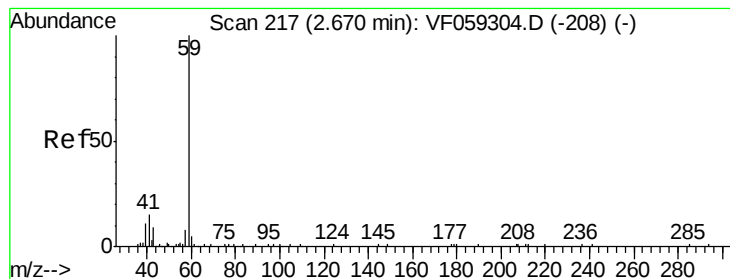


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



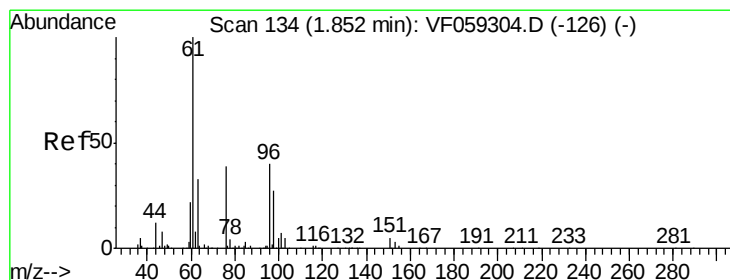
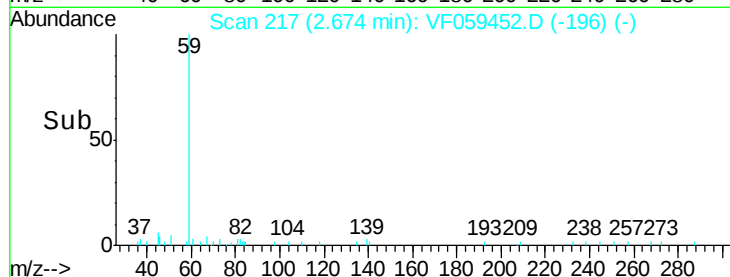
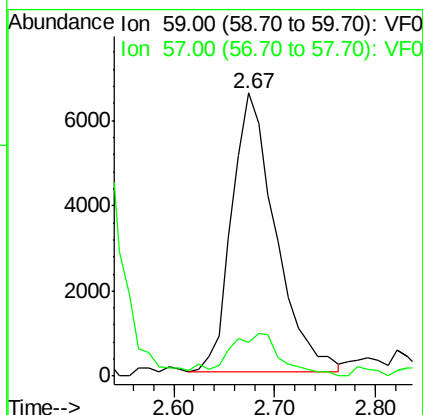
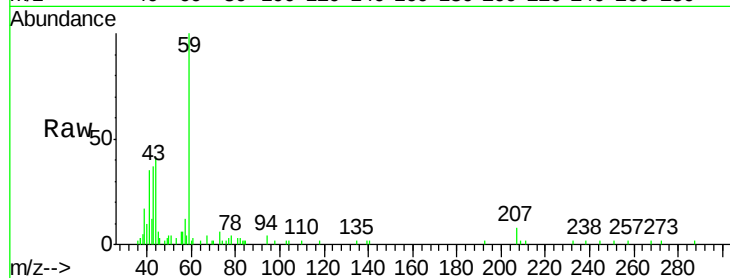


#11

Tert butyl alcohol
 Concen: 90.492 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. 0.00 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

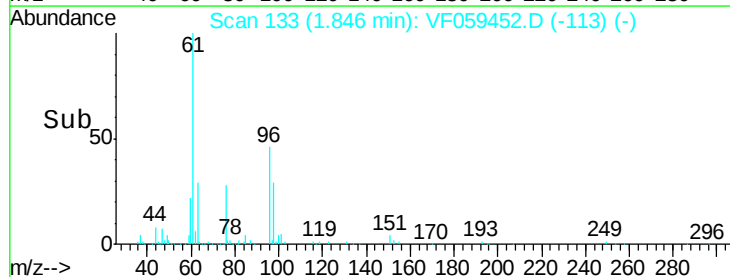
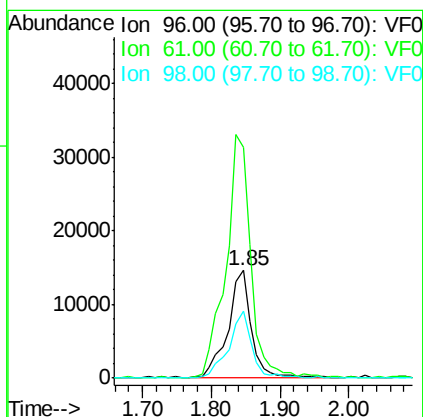
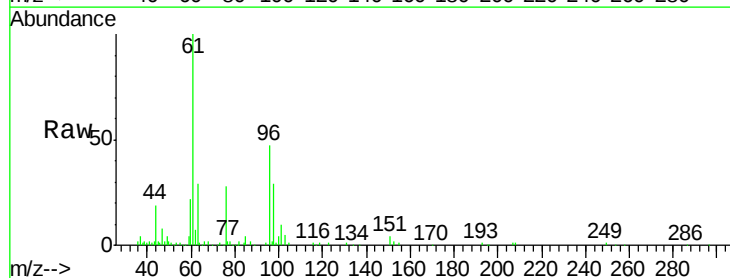
Tot Ion: 59 Resp: 19718
 Ion Ratio Lower Upper
 59 100
 57 11.9 11.0 16.4

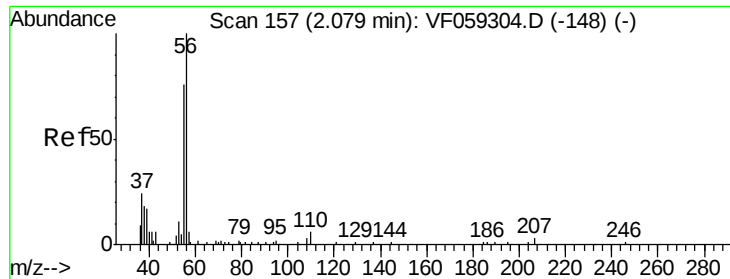


#12

1,1-Dichloroethene
 Concen: 23.427 ug/l
 RT: 1.85 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Tgt Ion: 96 Resp: 34989
 Ion Ratio Lower Upper
 96 100
 61 213.7 201.1 301.7
 98 62.6 53.9 80.9

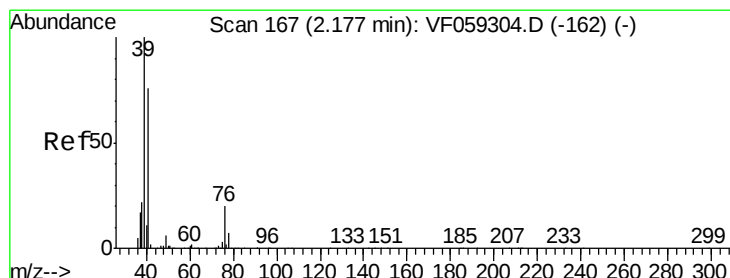
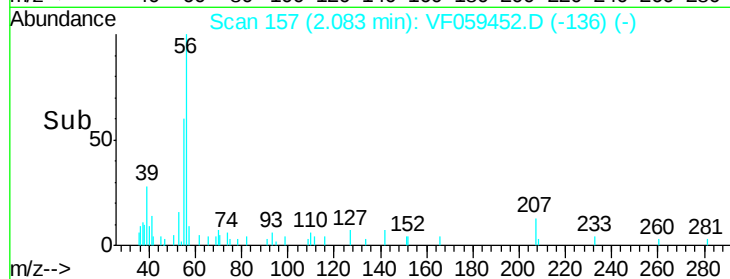
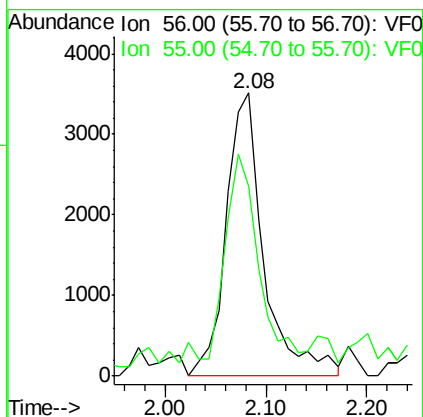
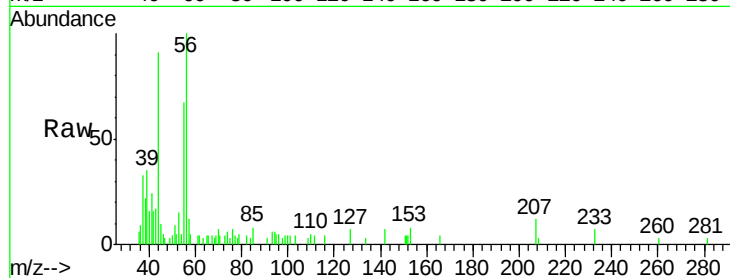




#13
Acrolein
Concen: 73.774 ug/l
RT: 2.08 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

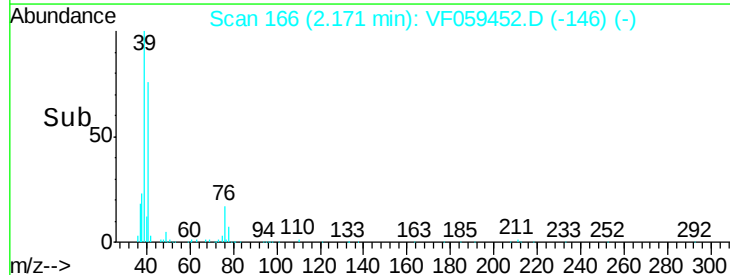
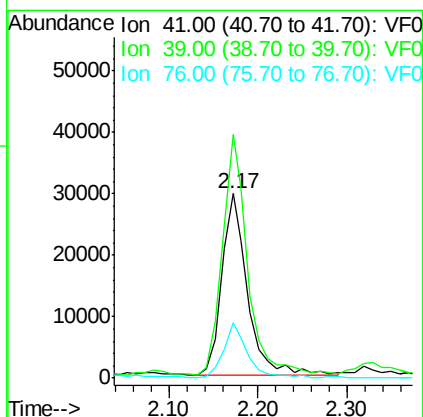
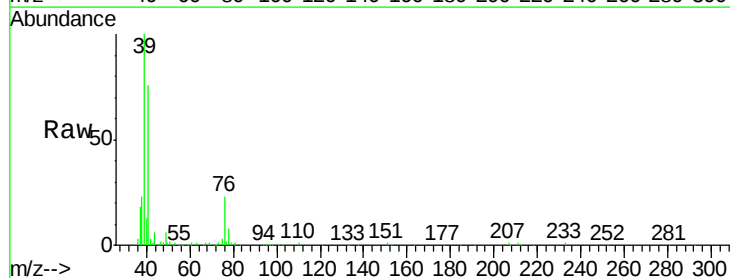
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

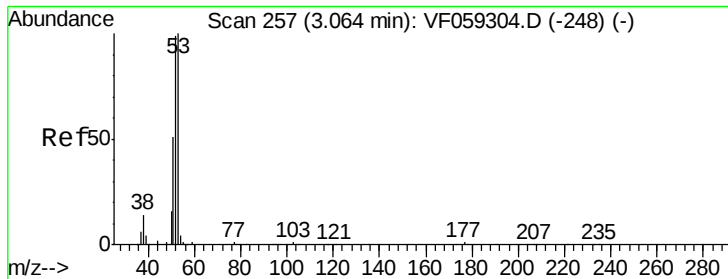
Tot Ion: 56 Resp: 9081
Ion Ratio Lower Upper
56 100
55 66.9 62.4 93.6



#14
Allyl chloride
Concen: 21.247 ug/l
RT: 2.17 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion: 41 Resp: 59568
Ion Ratio Lower Upper
41 100
39 132.0 105.6 158.4
76 29.9 21.6 32.4





#15

Acrylonitrile

Concen: 120.517 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

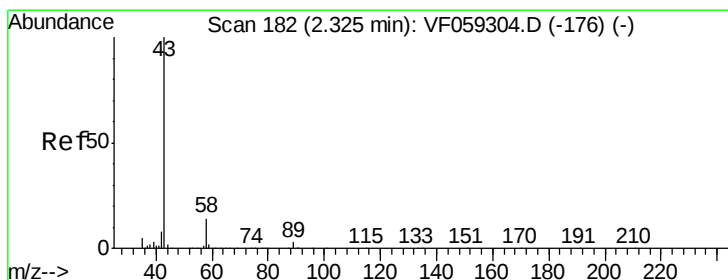
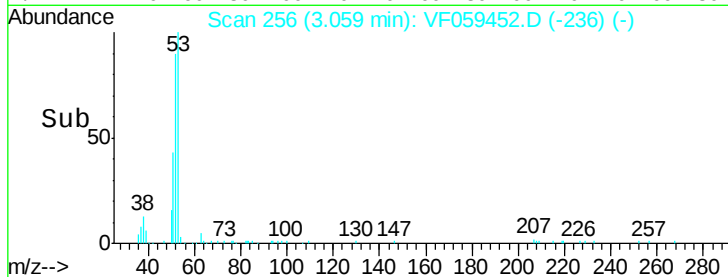
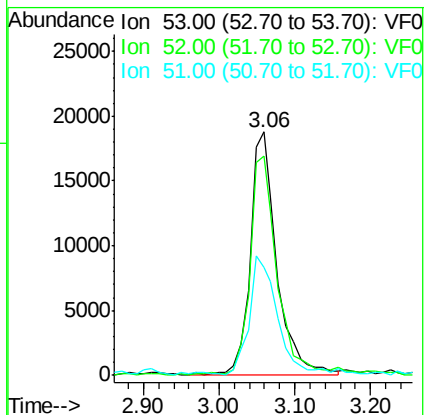
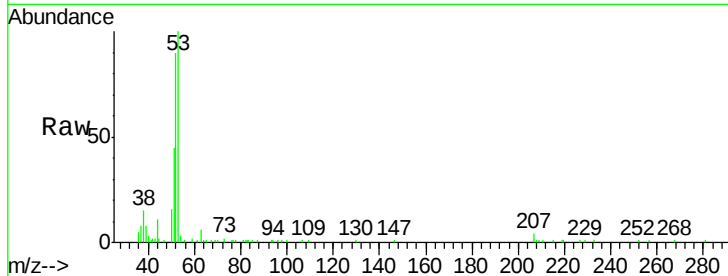
Tot Ion: 53 Resp: 46244

Ion Ratio Lower Upper

53 100

52 89.9 79.2 118.8

51 44.6 40.9 61.3



#16

Acetone

Concen: 109.449 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059452.D

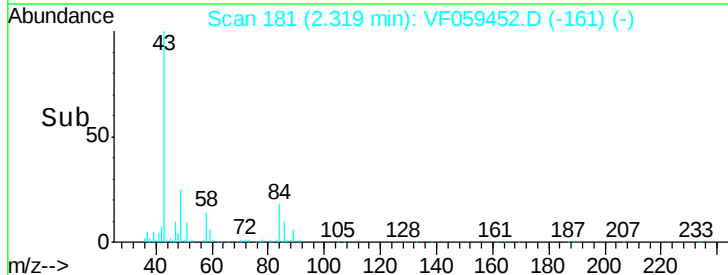
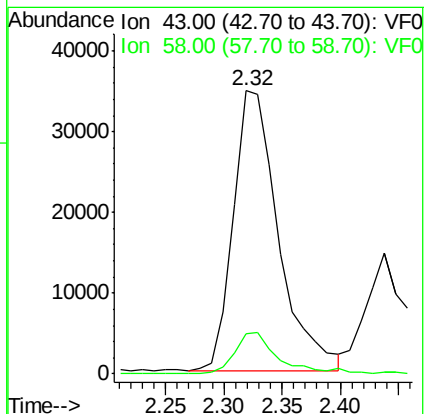
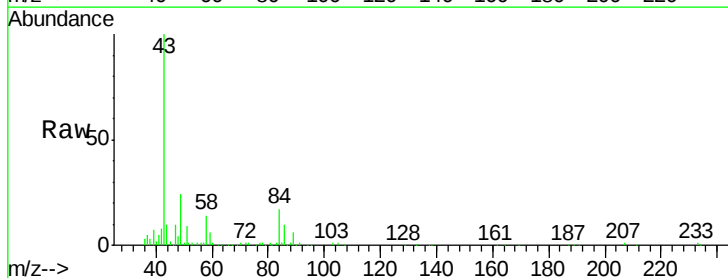
Acq: 6 Jul 2018 16:28

Tgt Ion: 43 Resp: 94154

Ion Ratio Lower Upper

43 100

58 14.0 11.4 17.0

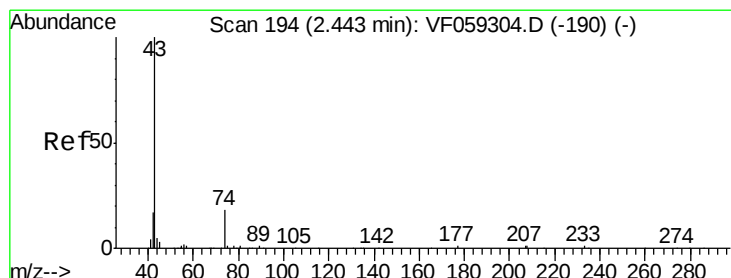
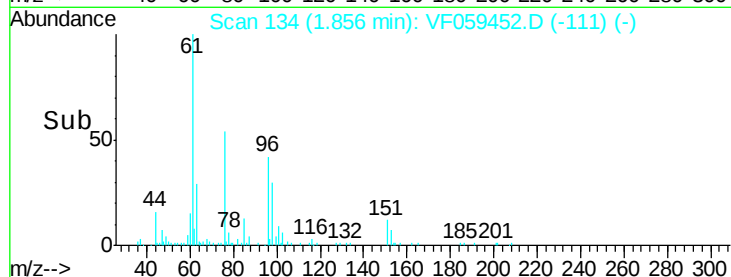
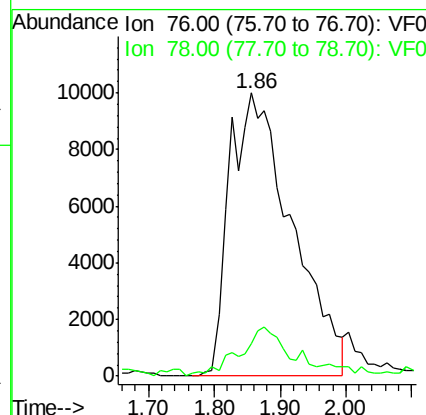
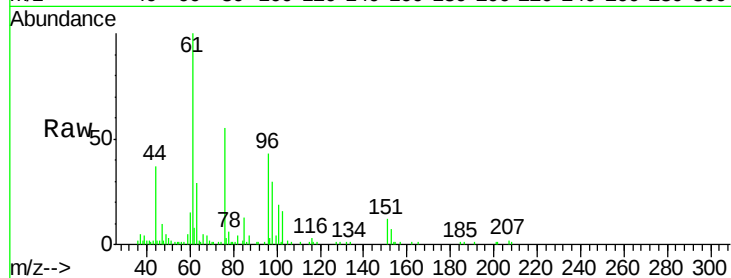




#17
Carbon Disulfide
Concen: 18.806 ug/l
RT: 1.86 min Scan# 134
Delta R.T. 0.02 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

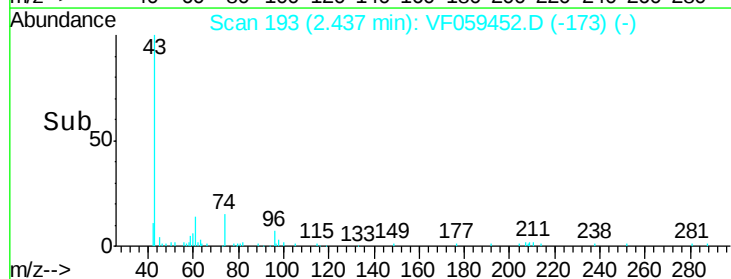
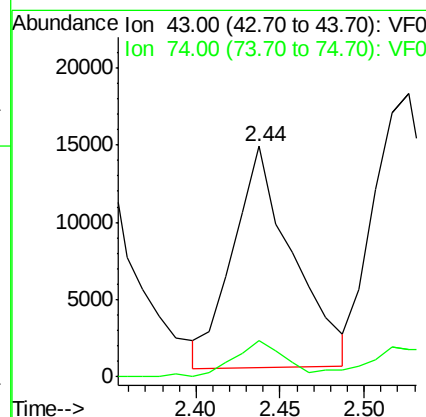
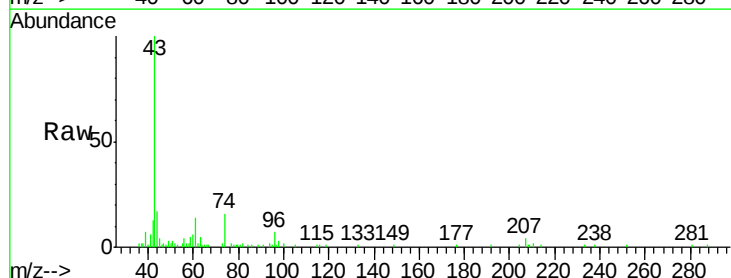
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

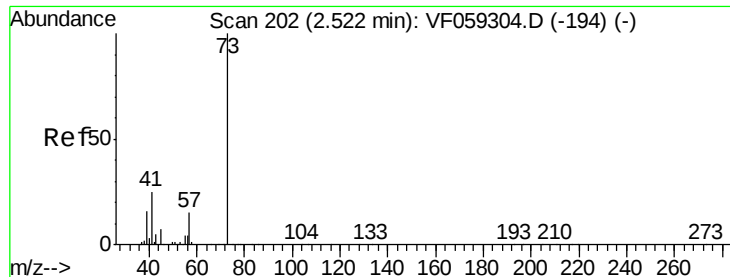
Tot Ion: 76 Resp: 66072
Ion Ratio Lower Upper
76 100
78 11.5 8.9 13.3



#18
Methyl Acetate
Concen: 23.466 ug/l
RT: 2.44 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion: 43 Resp: 35579
Ion Ratio Lower Upper
43 100
74 15.9 13.3 19.9



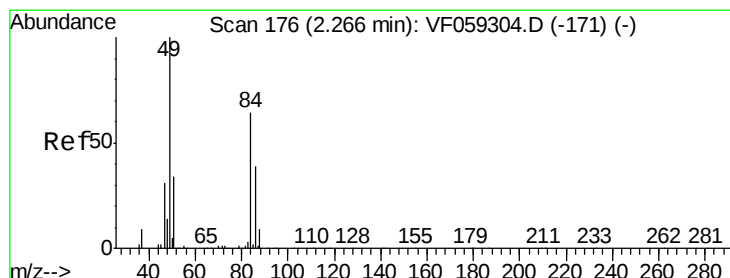
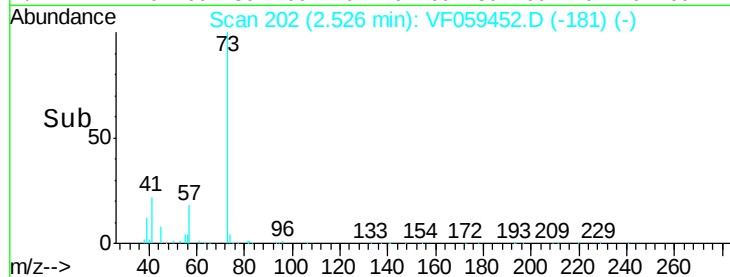
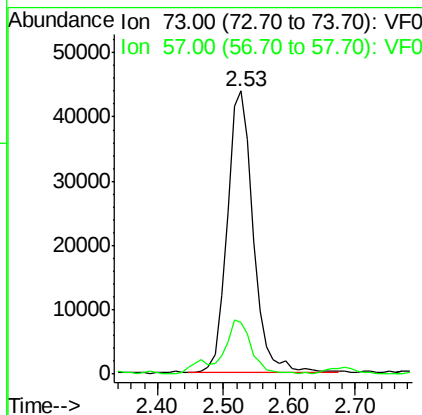
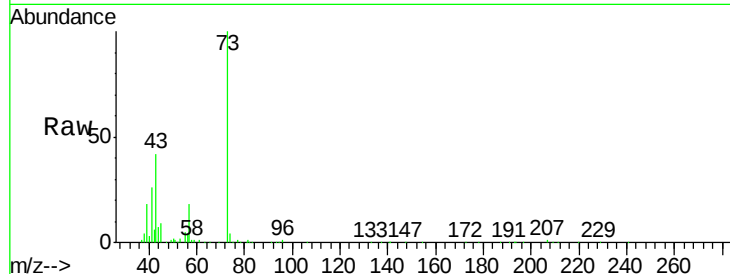


#19

Methyl tert-butyl Ether
 Concen: 21.608 ug/l
 RT: 2.53 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

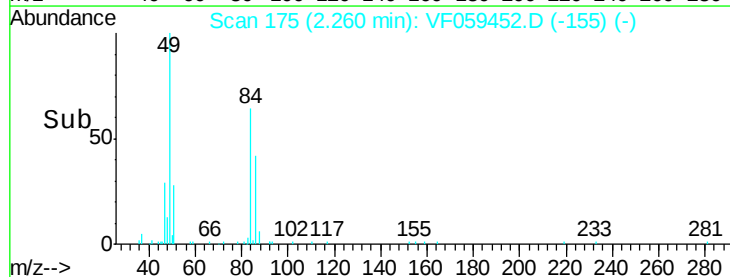
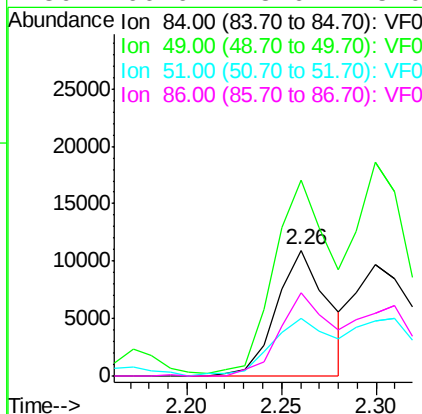
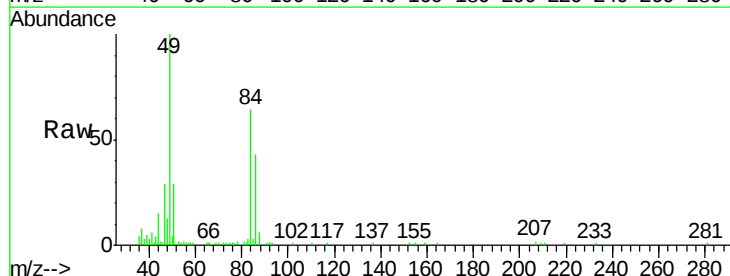
Tot Ion: 73 Resp: 120379
 Ion Ratio Lower Upper
 73 100
 57 18.5 12.3 18.5#

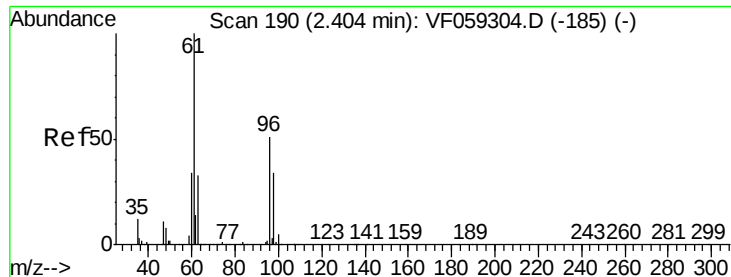


#20

Methylene Chloride
 Concen: 4.559 ug/l
 RT: 2.26 min Scan# 175
 Delta R.T. -0.00 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Tgt Ion: 84 Resp: 20695
 Ion Ratio Lower Upper
 84 100
 49 155.8 126.5 189.7
 51 45.6 42.9 64.3
 86 66.6 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 22.783 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

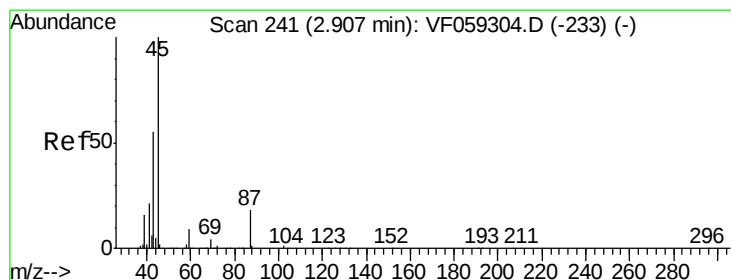
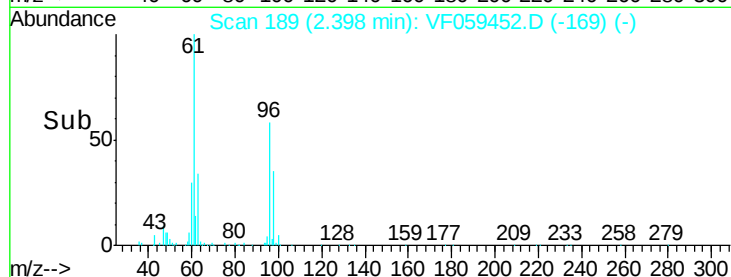
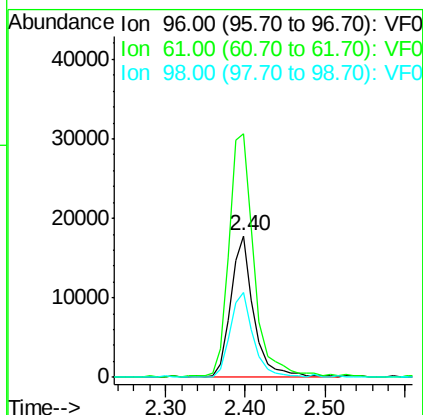
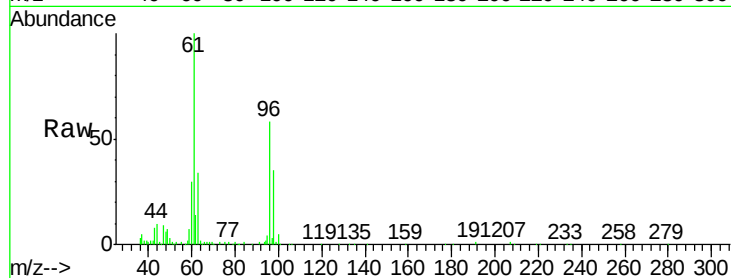
Tot Ion: 96 Resp: 36298

Ion Ratio Lower Upper

96 100

61 172.3 157.4 236.2

98 60.3 53.7 80.5



#22

Diisopropyl ether

Concen: 21.750 ug/l

RT: 2.91 min Scan# 241

Delta R.T. 0.00 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion: 45 Resp: 135033

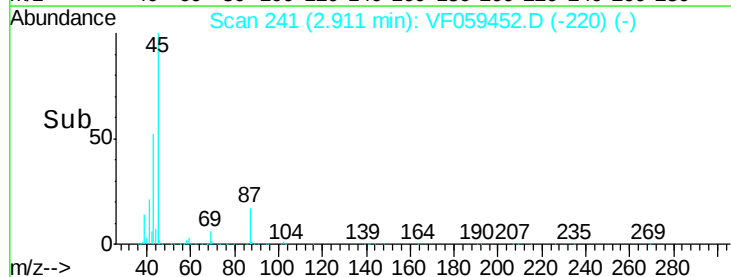
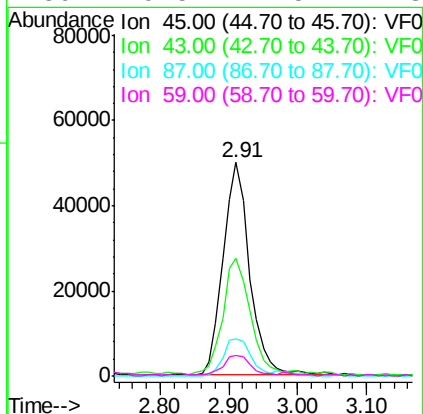
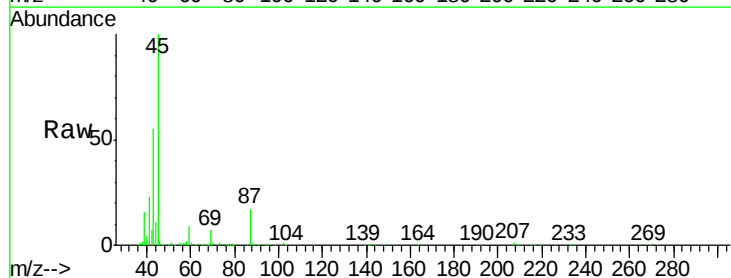
Ion Ratio Lower Upper

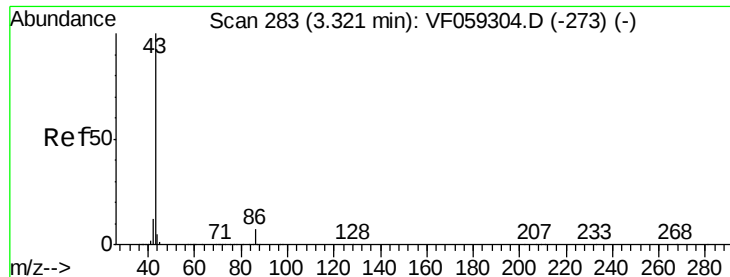
45 100

43 55.0 44.6 66.8

87 17.1 14.3 21.5

59 9.5 7.5 11.3





#23

Vinyl Acetate

Concen: 112.385 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

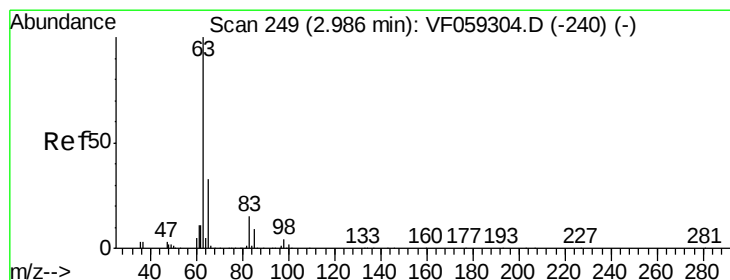
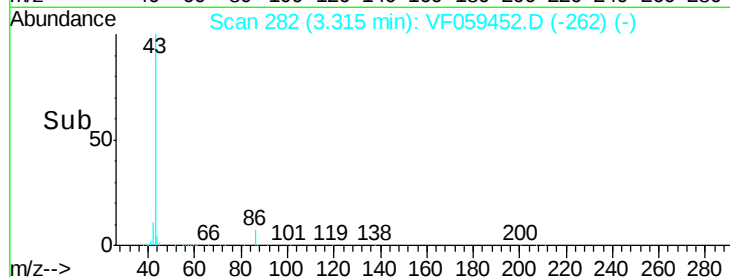
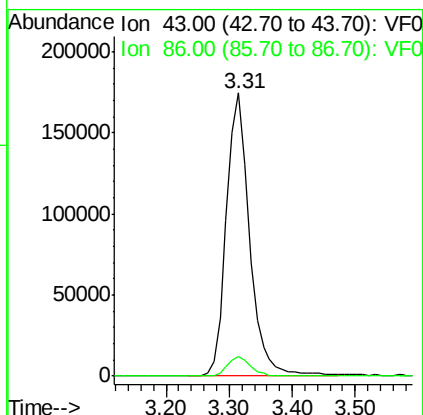
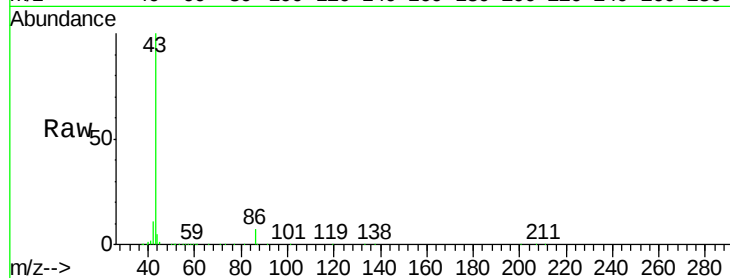
VF0706SBSD01

Tot Ion: 43 Resp: 444361

Ion Ratio Lower Upper

43 100

86 6.9 5.8 8.6



#24

1,1-Dichloroethane

Concen: 21.325 ug/l

RT: 2.98 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

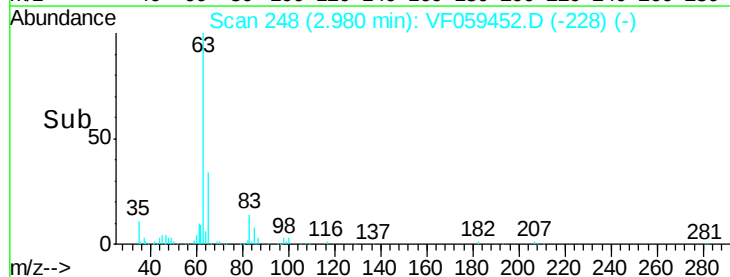
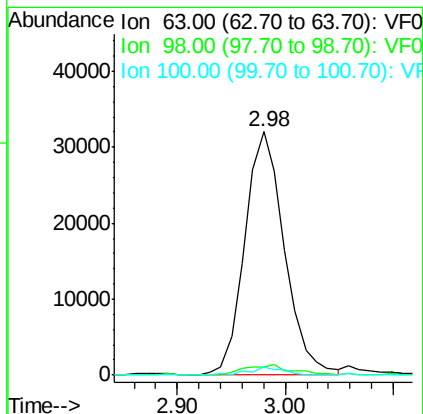
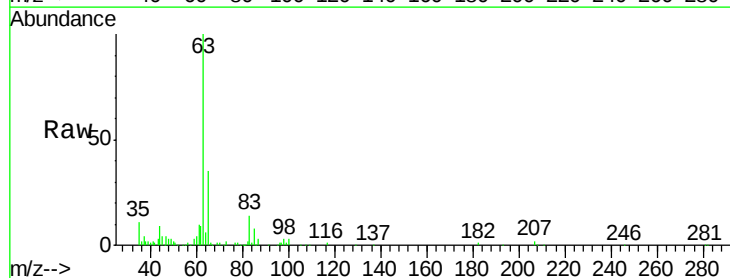
Tgt Ion: 63 Resp: 82088

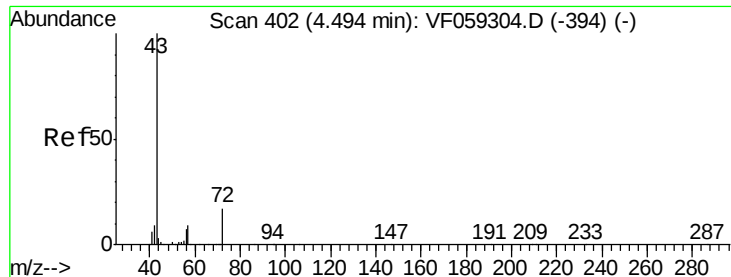
Ion Ratio Lower Upper

63 100

98 3.4 2.0 6.0

100 3.2 1.3 3.9





#25

2-Butanone

Concen: 106.950 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

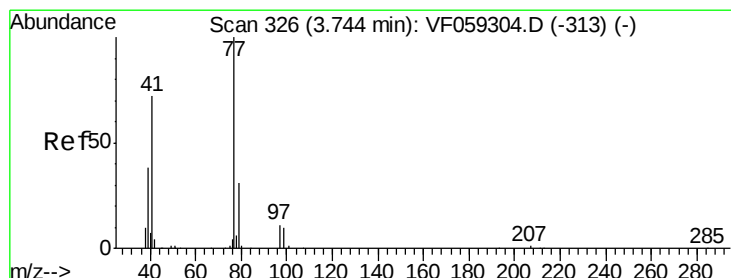
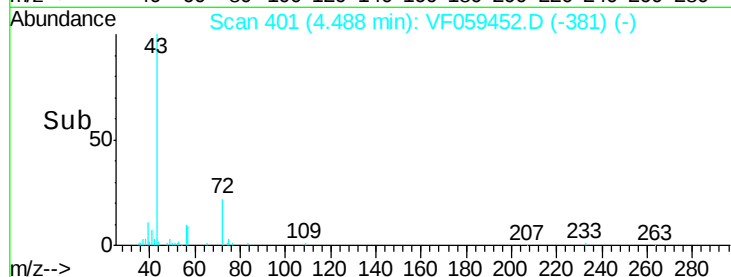
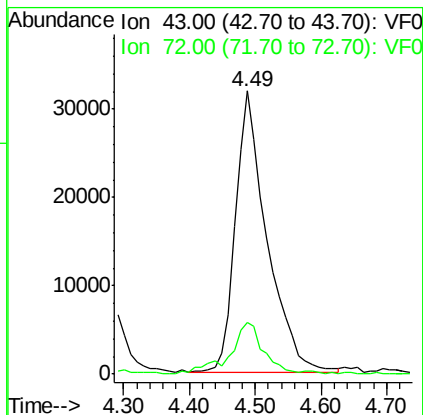
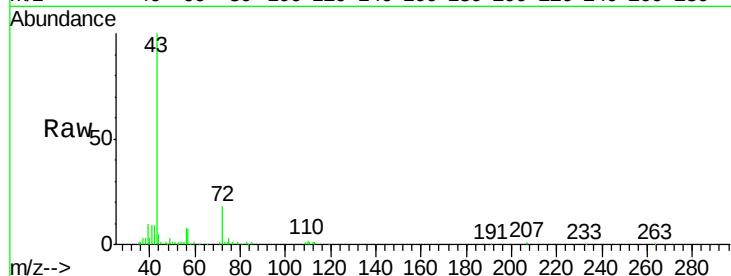
VF0706SBSD01

Tot Ion: 43 Resp: 107450

Ion Ratio Lower Upper

43 100

72 18.3 14.4 21.6



#26

2,2-Dichloropropane

Concen: 24.355 ug/l

RT: 3.74 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF059452.D

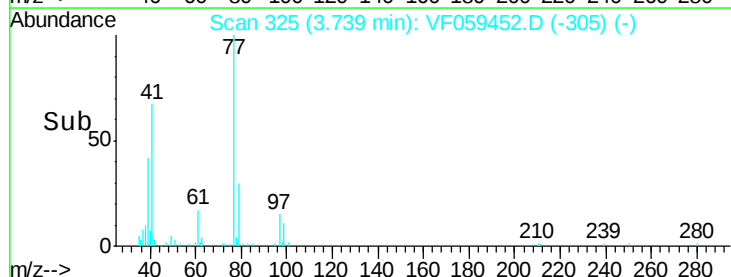
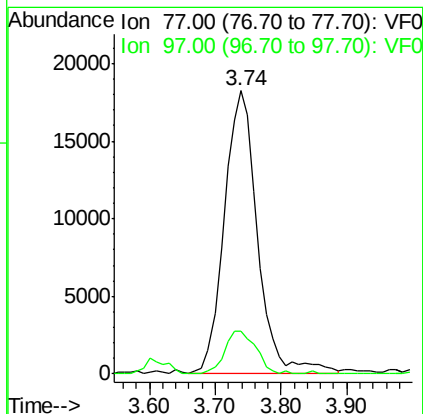
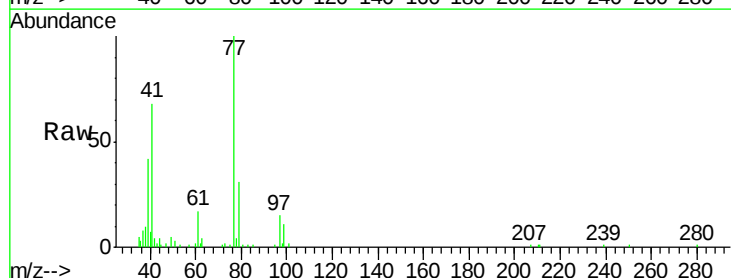
Acq: 6 Jul 2018 16:28

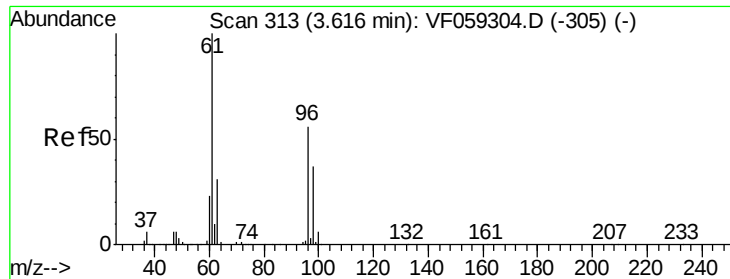
Tgt Ion: 77 Resp: 64662

Ion Ratio Lower Upper

77 100

97 15.1 8.0 23.8



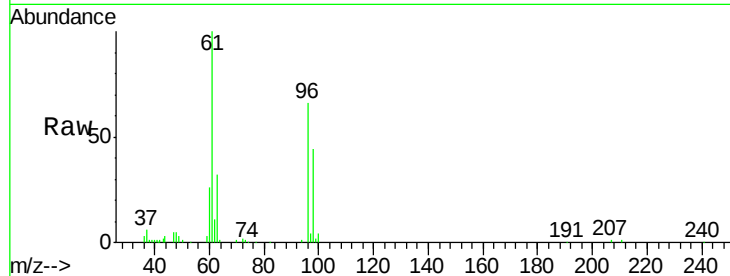


#27

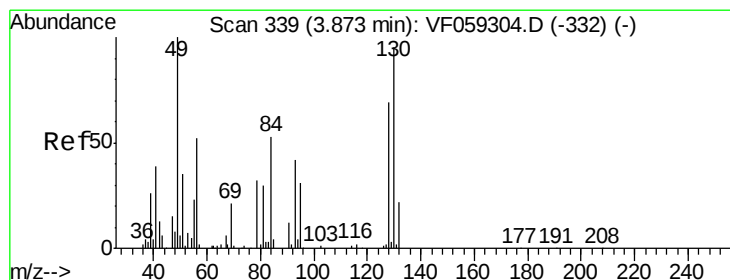
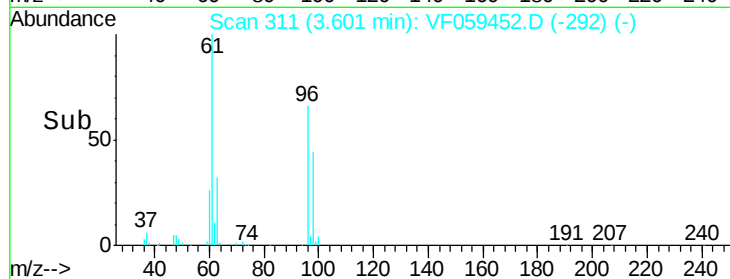
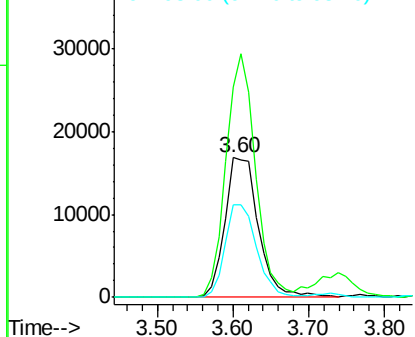
cis-1,2-Dichloroethene
Concen: 21.527 ug/l
RT: 3.60 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	355.4
98	65.9	0.0	131.0



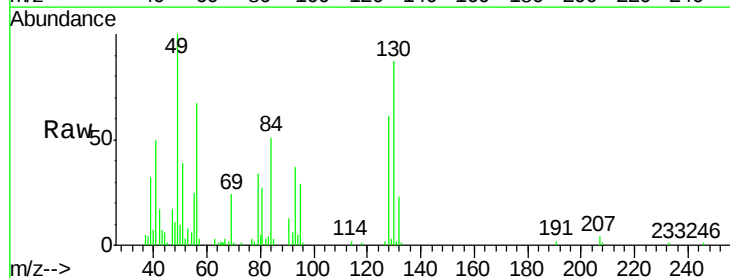
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



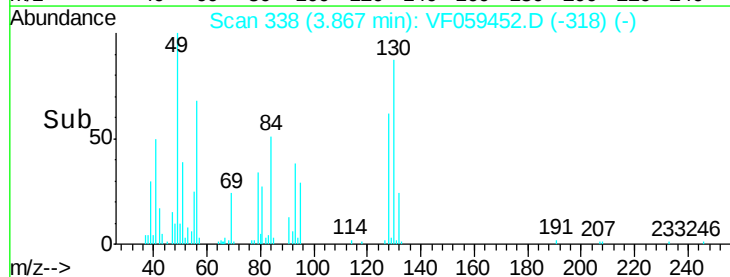
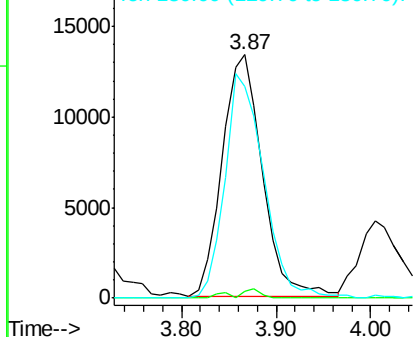
#28

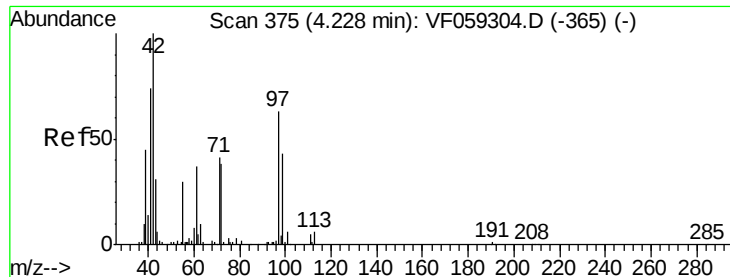
Bromochloromethane
Concen: 24.289 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	6.4
130	86.7	75.1	112.7



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

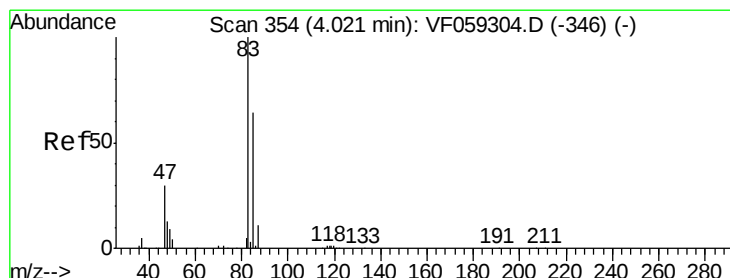
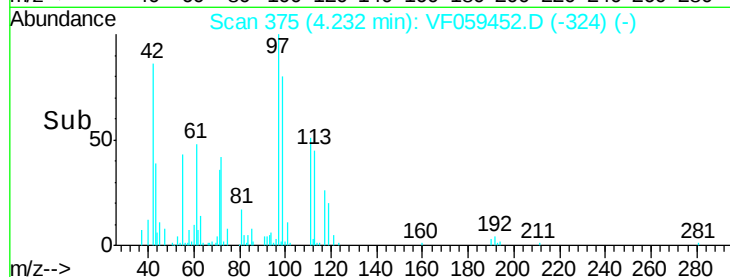
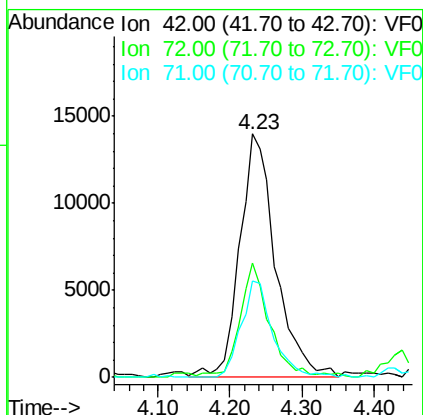
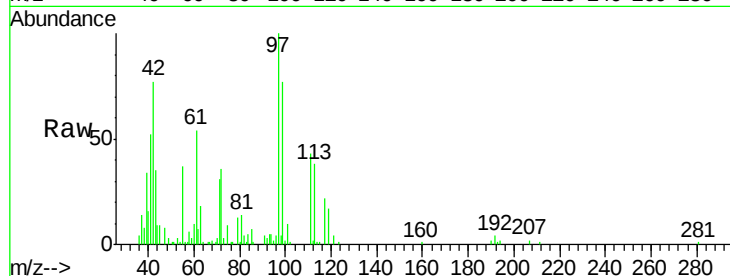




#29
Tetrahydrofuran
Concen: 109.919 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.00 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

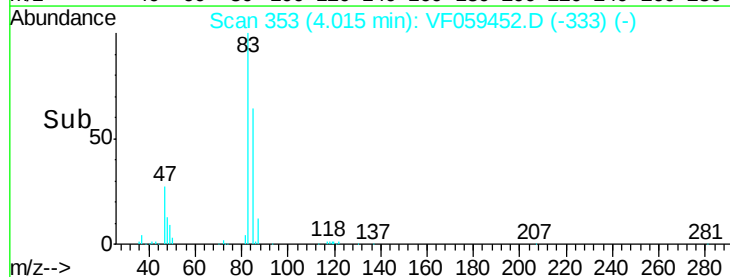
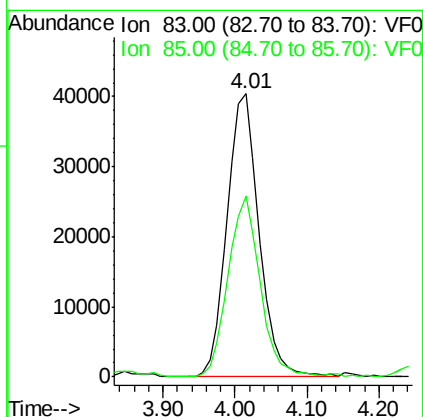
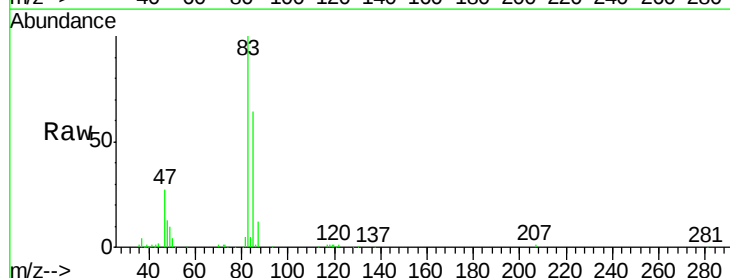
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

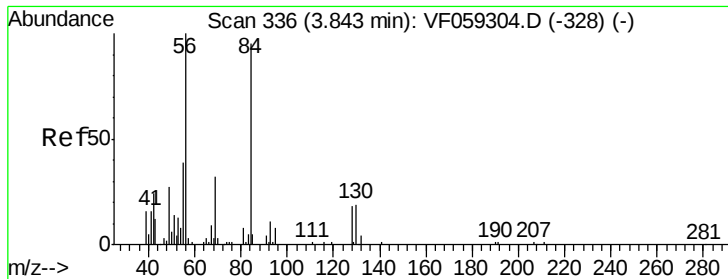
Tot Ion: 42 Resp: 48363
Ion Ratio Lower Upper
42 100
72 39.6 30.5 45.7
71 35.3 32.5 48.7



#30
Chloroform
Concen: 22.499 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion: 83 Resp: 125379
Ion Ratio Lower Upper
83 100
85 63.7 51.3 76.9

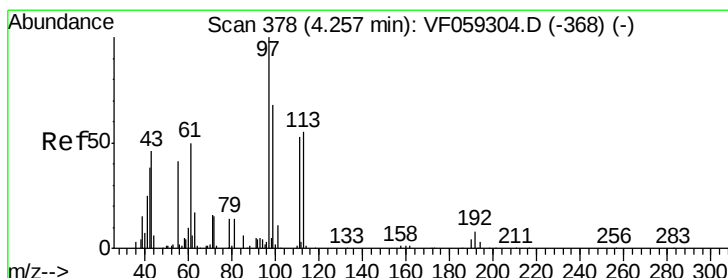
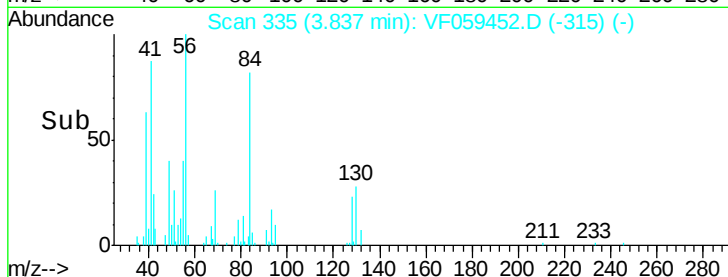
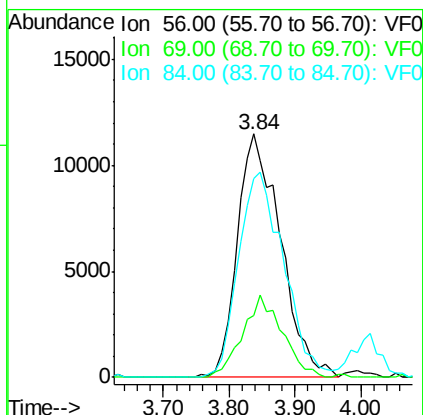
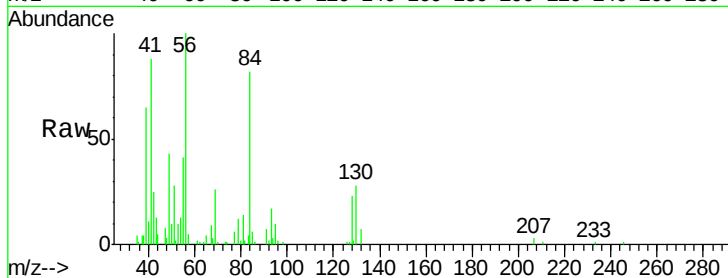




#31
Cyclohexane
Concen: 20.953 ug/l
RT: 3.84 min Scan# 335
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

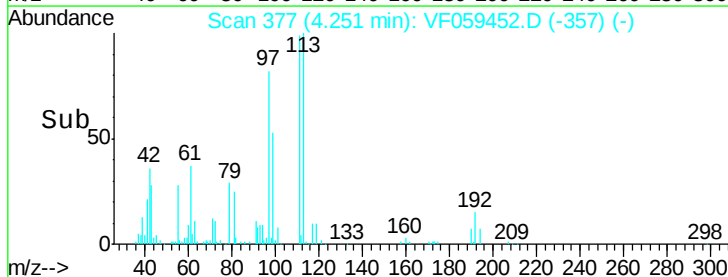
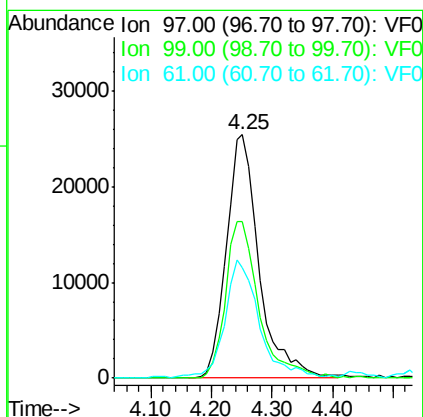
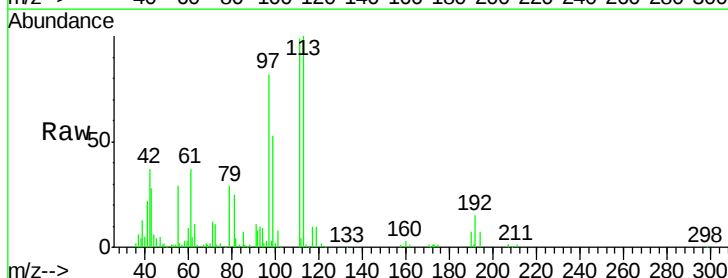
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

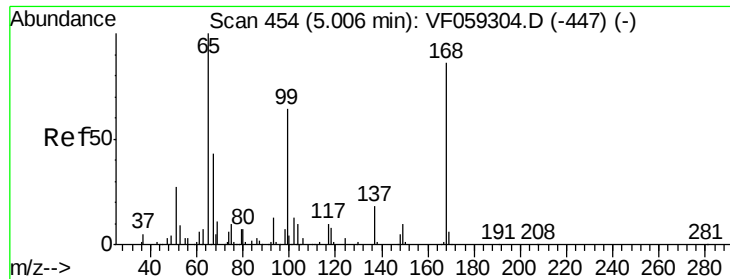
Tot Ion: 56 Resp: 52836
Ion Ratio Lower Upper
56 100
69 25.7 25.8 38.8#
84 81.7 75.6 113.4



#32
1,1,1-Trichloroethane
Concen: 23.423 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion: 97 Resp: 95519
Ion Ratio Lower Upper
97 100
99 64.1 54.1 81.1
61 45.1 41.2 61.8

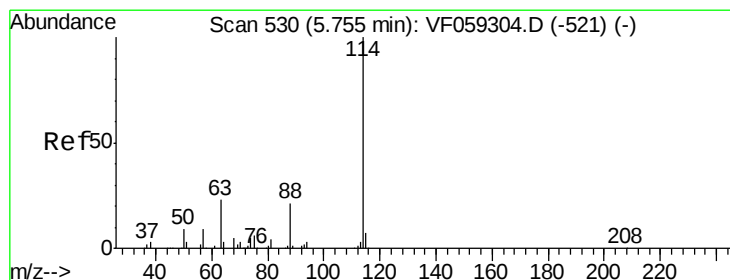
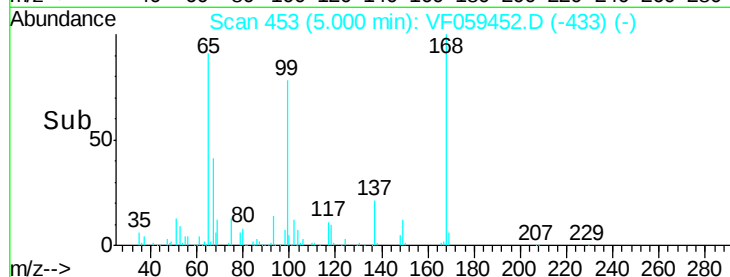
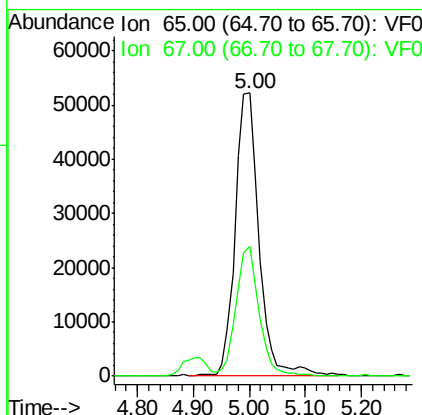
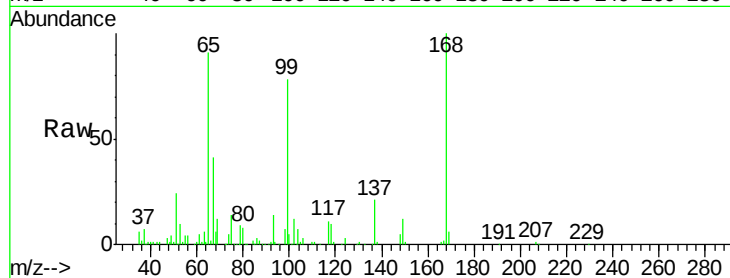




#33
 1,2-Dichloroethane-d4
 Concen: 47.343 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

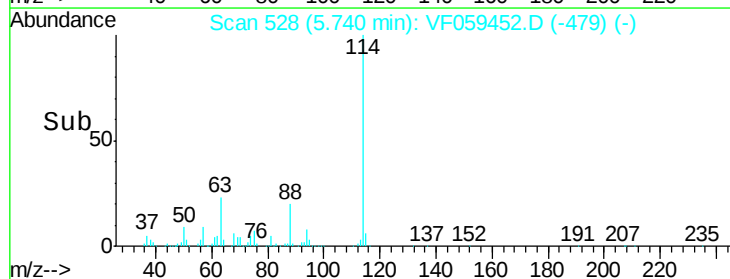
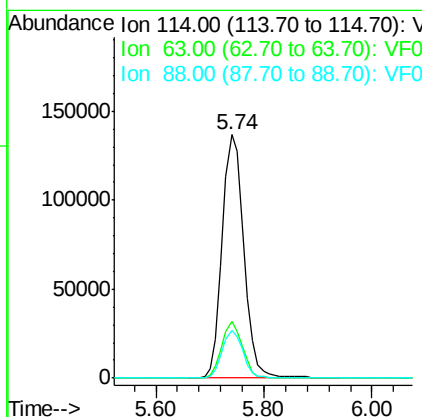
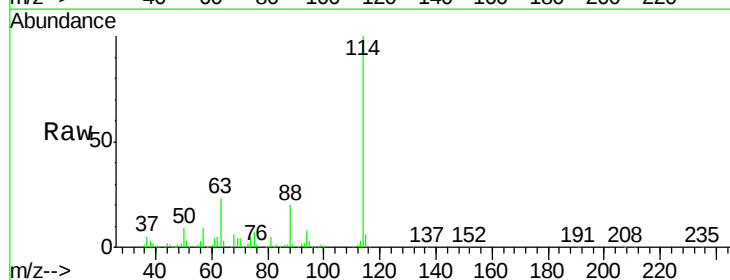
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

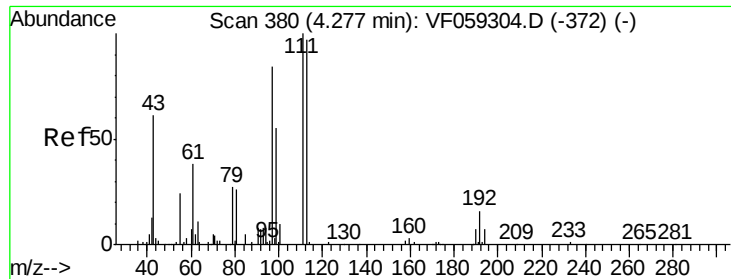
Tot Ion: 65 Resp: 154954
 Ion Ratio Lower Upper
 65 100
 67 45.6 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Tgt Ion: 114 Resp: 380581
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.8
 88 19.7 0.0 41.2

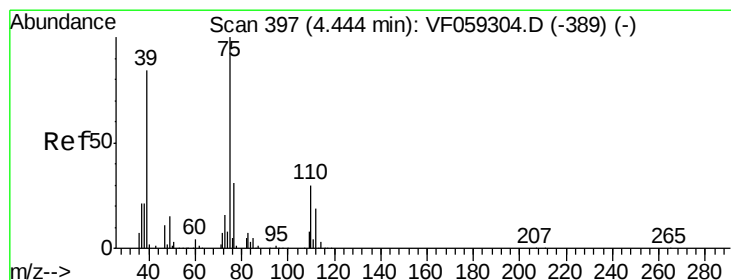
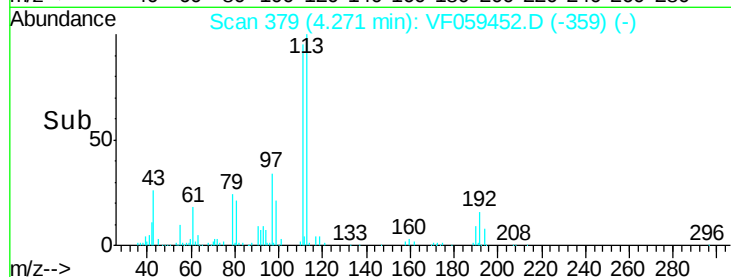
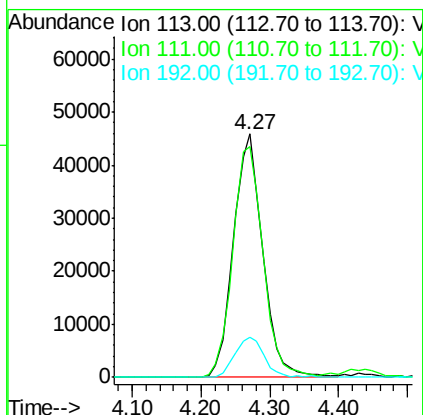
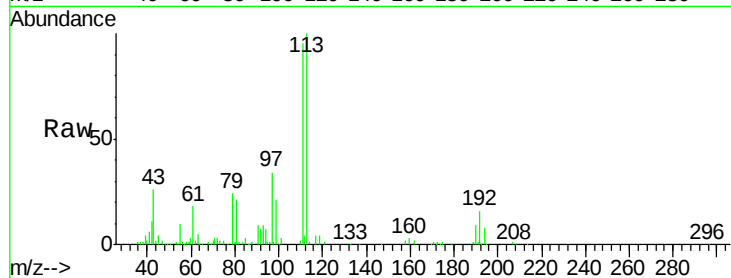




#35
 Dibromofluoromethane
 Concen: 48.664 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

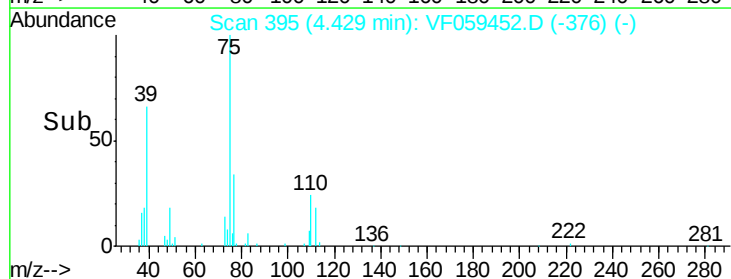
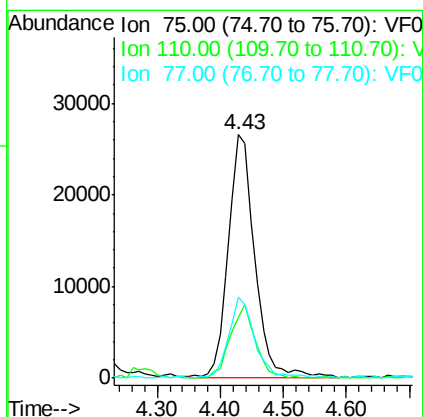
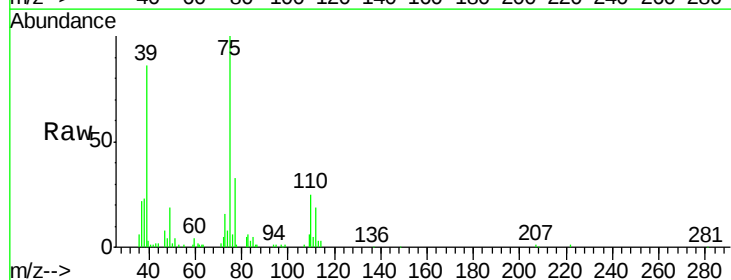
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

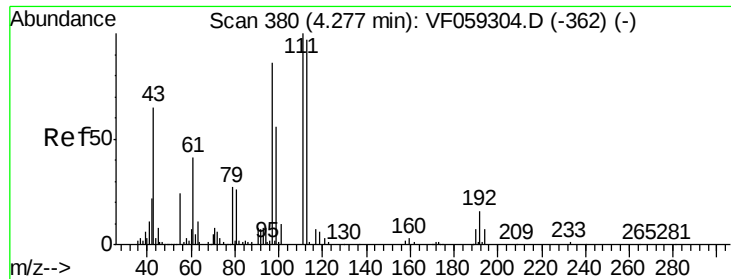
Tot Ion:113 Resp: 135324
 Ion Ratio Lower Upper
 113 100
 111 94.6 82.1 123.1
 192 16.2 13.0 19.6



#36
 1,1-Dichloropropene
 Concen: 23.317 ug/l
 RT: 4.43 min Scan# 395
 Delta R.T. -0.02 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Tgt Ion: 75 Resp: 77522
 Ion Ratio Lower Upper
 75 100
 110 24.7 14.8 44.4
 77 33.3 25.2 37.8

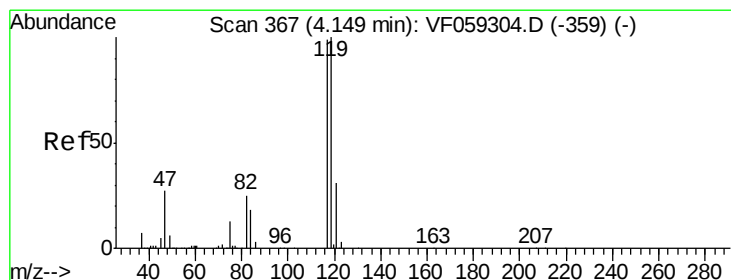
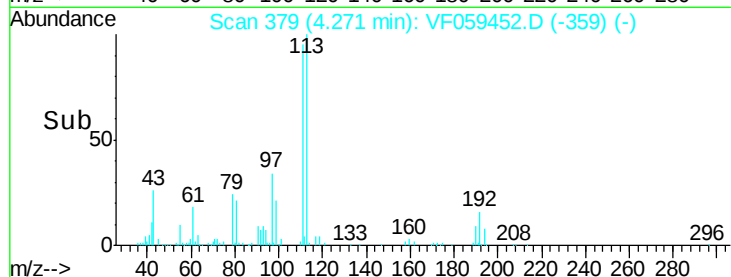
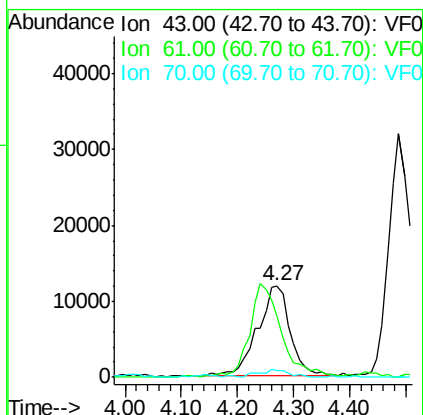
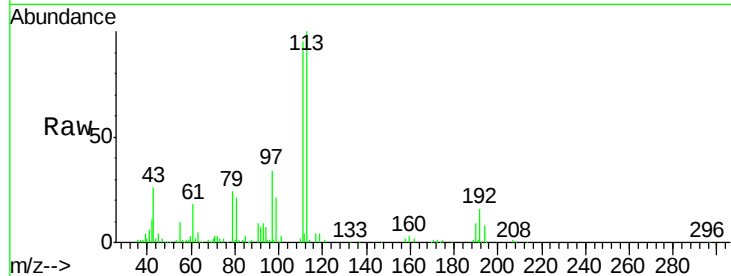




#37
Ethyl Acetate
Concen: 21.373 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

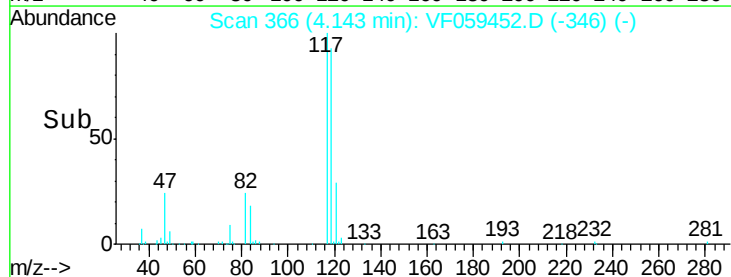
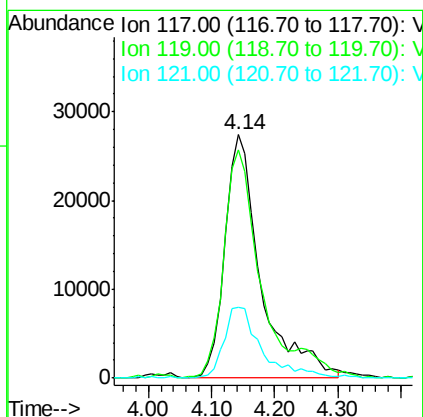
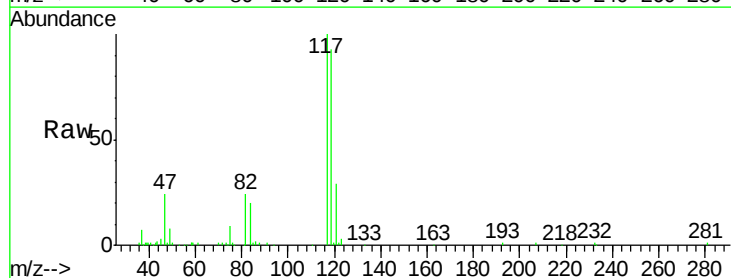
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

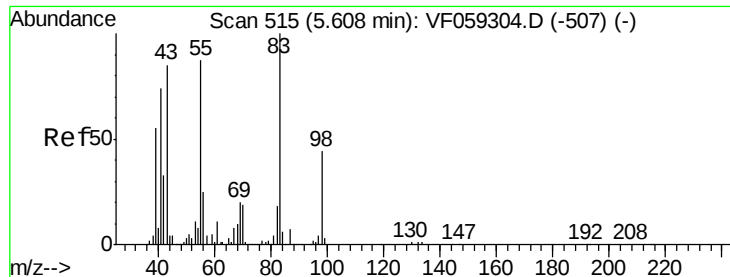
Tot Ion: 43 Resp: 47259
Ion Ratio Lower Upper
43 100
61 68.0 50.1 75.1
70 6.9 6.2 9.4



#38
Carbon Tetrachloride
Concen: 25.960 ug/l
RT: 4.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion: 117 Resp: 108919
Ion Ratio Lower Upper
117 100
119 93.5 81.0 121.4
121 29.2 24.7 37.1

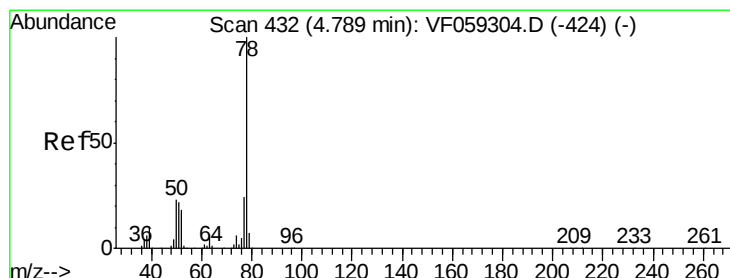
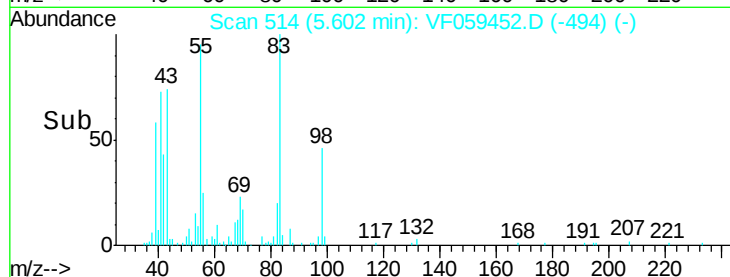
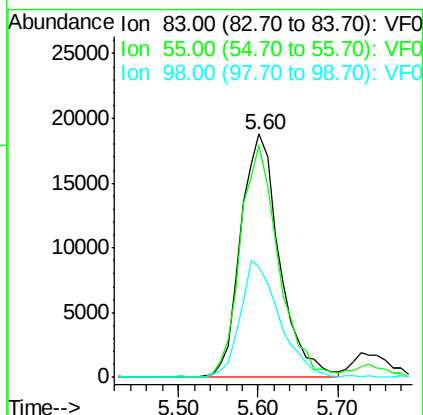
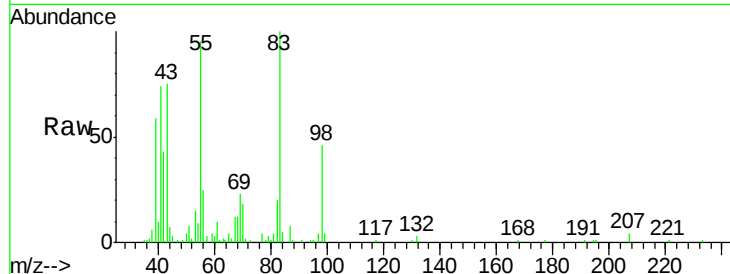




#39
Methvlcvclohexane
Concen: 21.471 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

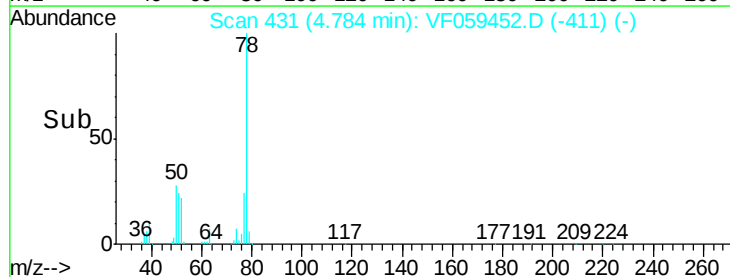
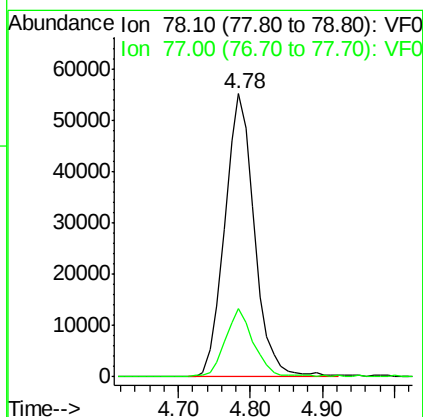
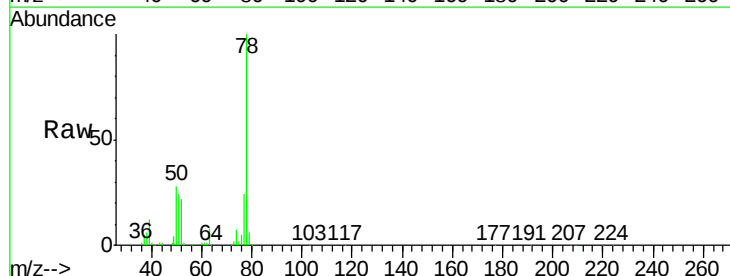
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

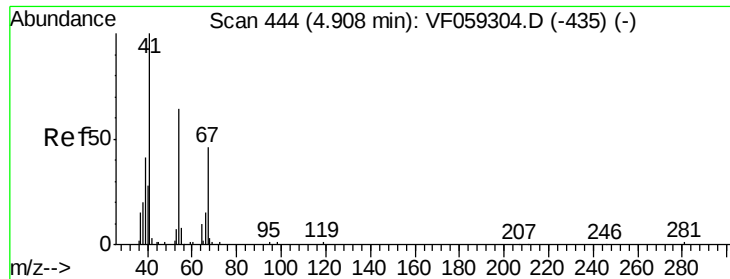
Tot Ion: 83 Resp: 63258
Ion Ratio Lower Upper
83 100
55 95.2 69.2 103.8
98 45.6 35.0 52.6



#40
Benzene
Concen: 21.393 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion: 78 Resp: 157701
Ion Ratio Lower Upper
78 100
77 23.9 19.6 29.4

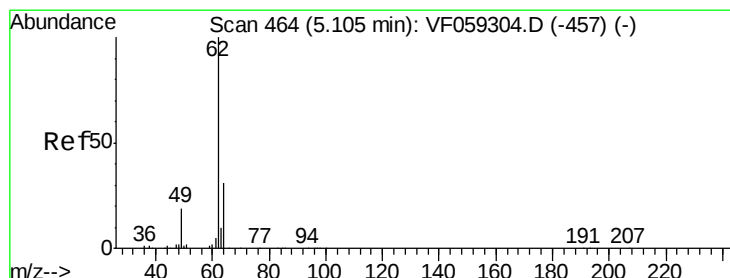
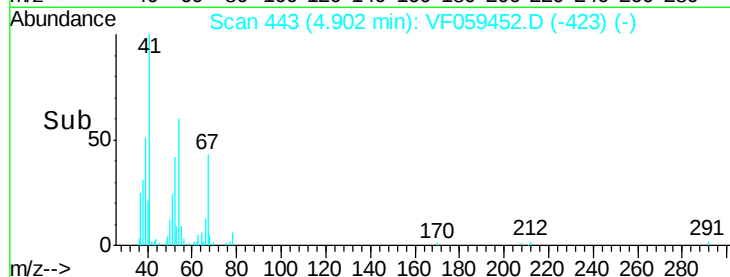
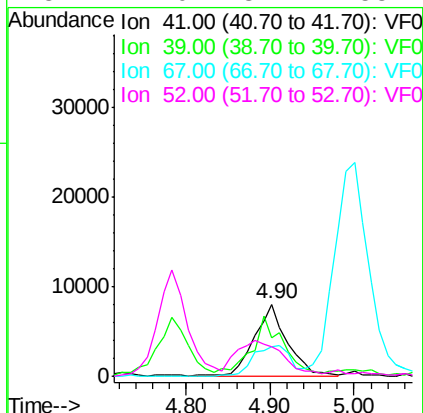
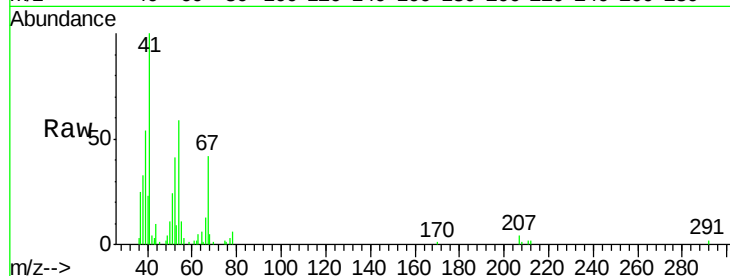




#41
Methacrylonitrile
Concen: 19.719 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

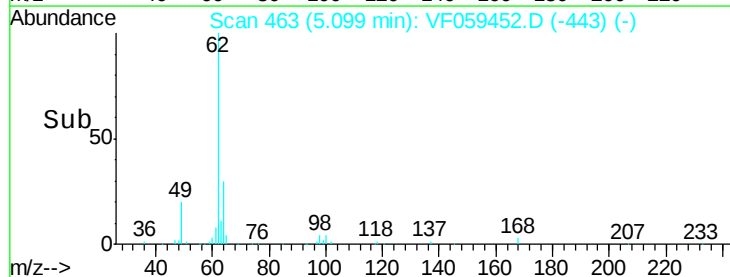
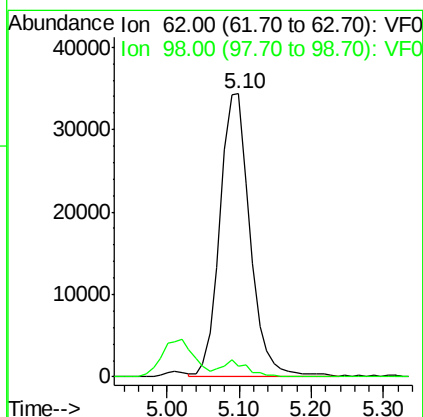
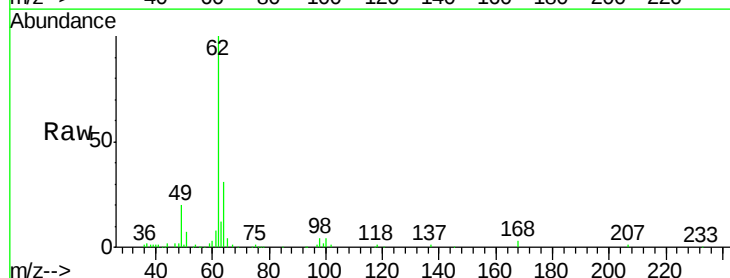
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

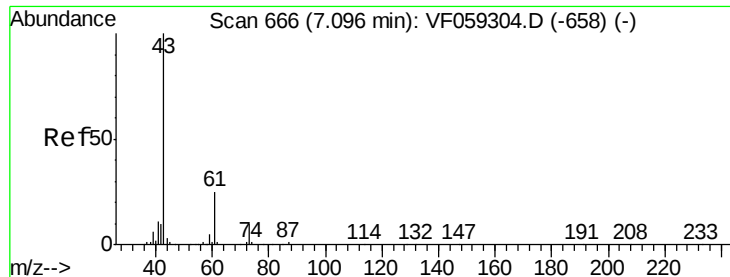
Tot Ion:	41	Resp:	22363
Ion	Ratio	Lower	Upper
41	100		
39	53.6	50.0	75.0
67	41.8	37.0	55.6
52	41.0	37.1	55.7



#42
1,2-Dichloroethane
Concen: 22.986 ug/l
RT: 5.10 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion:	62	Resp:	99013
Ion	Ratio	Lower	Upper
62	100		
98	4.0	0.0	11.4



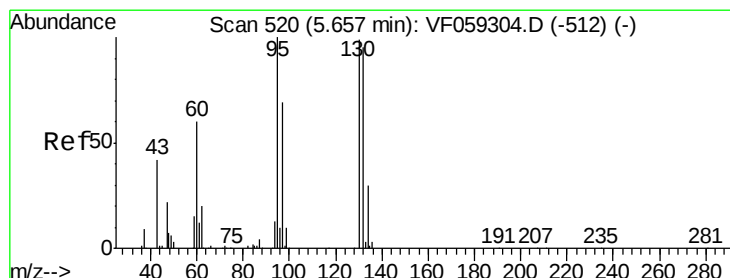
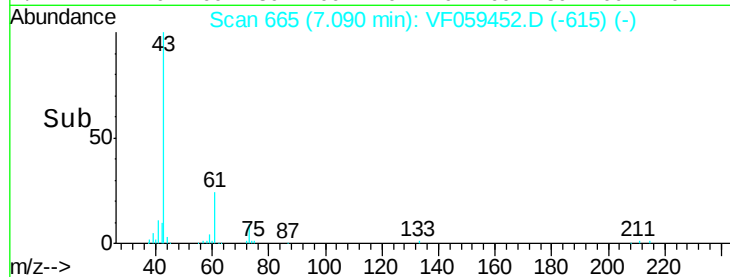
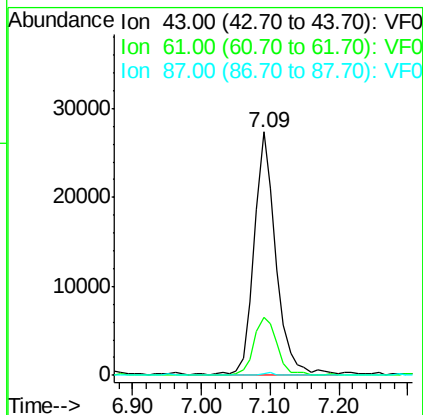
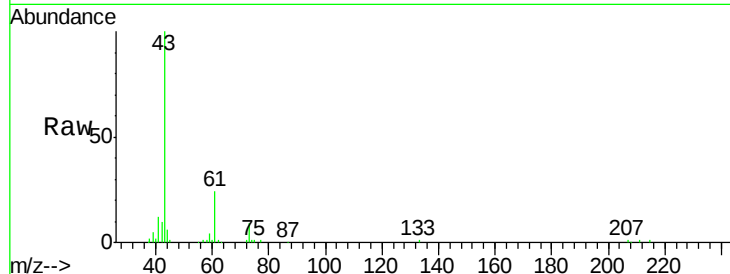


#43

Isopropyl Acetate
 Concen: 21.937 ug/l
 RT: 7.09 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

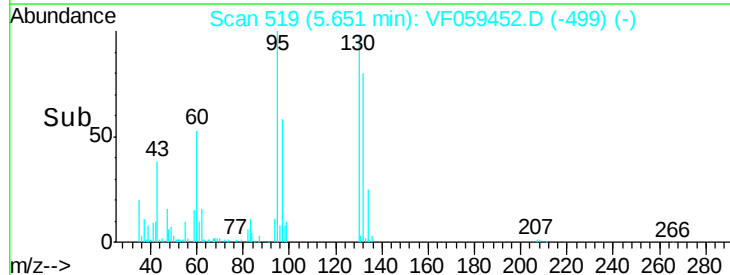
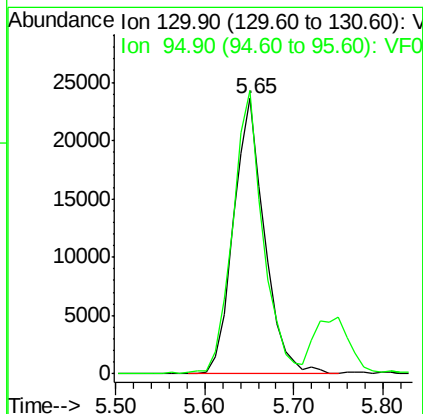
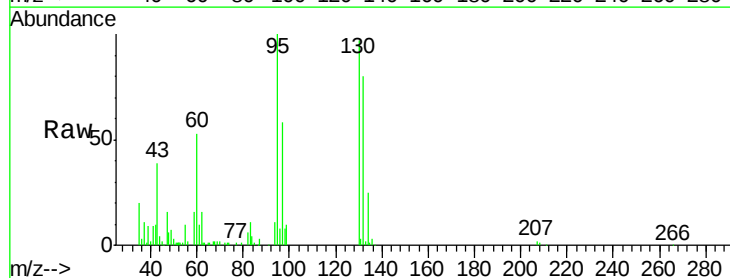
Tot Ion: 43 Resp: 60751
 Ion Ratio Lower Upper
 43 100
 61 23.8 19.7 29.5
 87 0.5 0.5 0.7

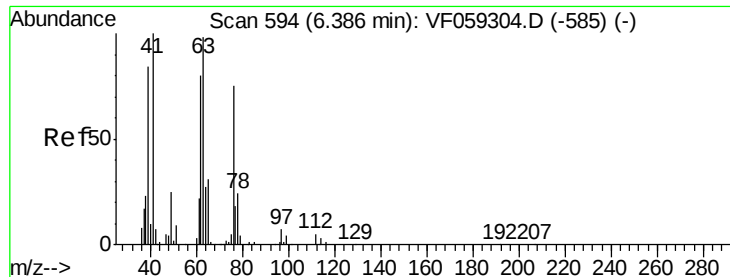


#44

Trichloroethene
 Concen: 22.584 ug/l
 RT: 5.65 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Tgt Ion: 130 Resp: 57110
 Ion Ratio Lower Upper
 130 100
 95 102.8 0.0 202.4





#45

1,2-Dichloropropane

Concen: 21.542 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

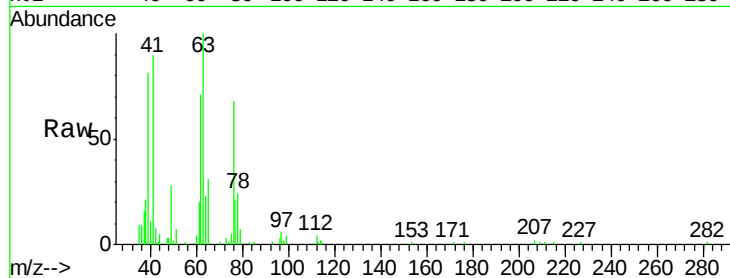
VF0706SBSD01

Tot Ion: 63 Resp: 45370

Ion Ratio Lower Upper

63 100

65 30.6 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.38

20000

15000

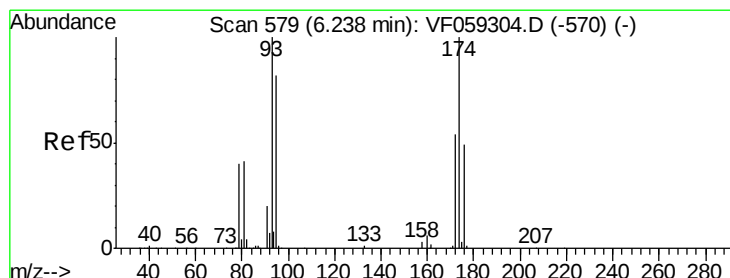
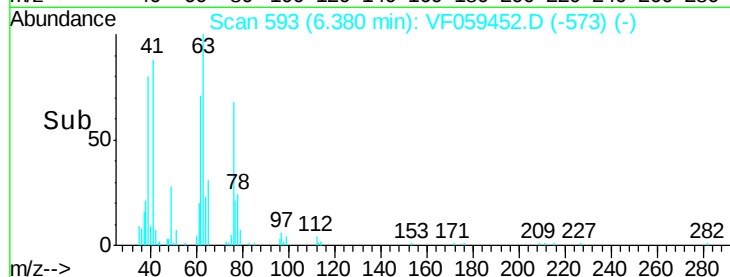
10000

5000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 21.579 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

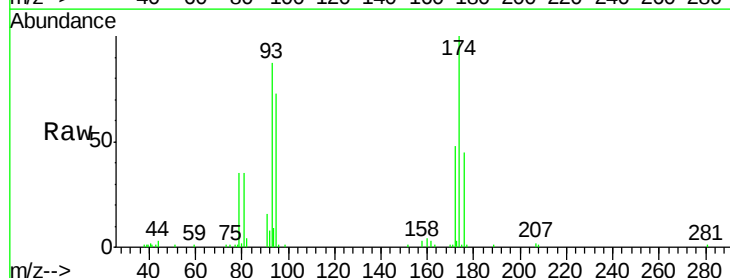
Tgt Ion: 93 Resp: 39446

Ion Ratio Lower Upper

93 100

95 83.4 65.6 98.4

174 116.3 80.0 120.0



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

20000

15000

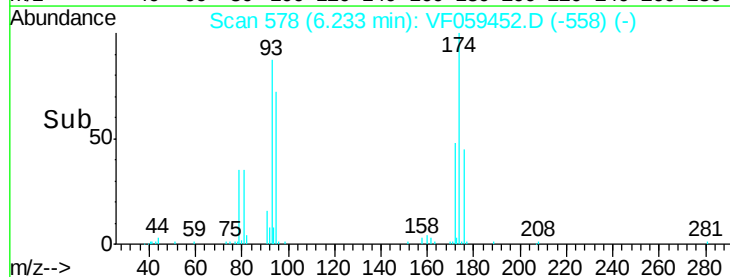
10000

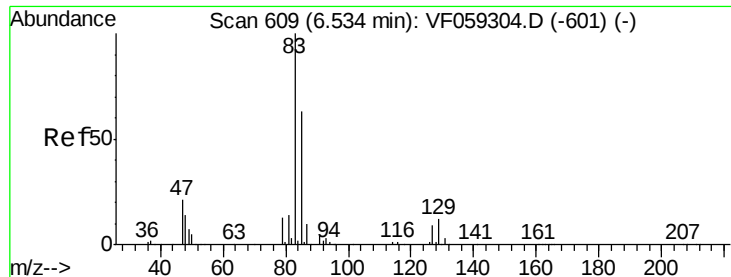
5000

0

6.10 6.20 6.30

Time-->





#47

Bromodichloromethane

Concen: 21.981 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

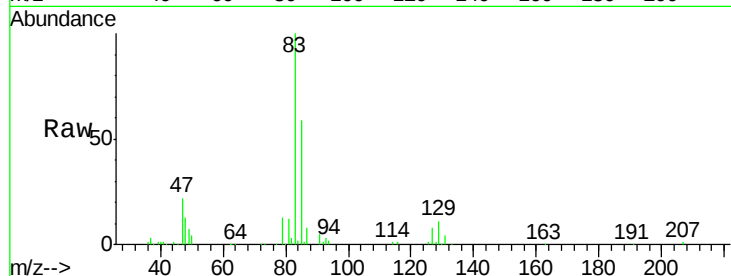
Tot Ion: 83 Resp: 97265

Ion Ratio Lower Upper

83 100

85 59.5 50.2 75.2

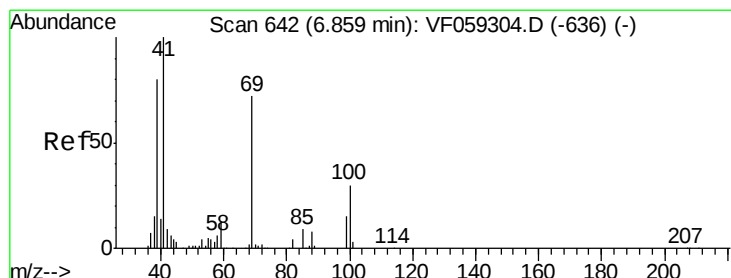
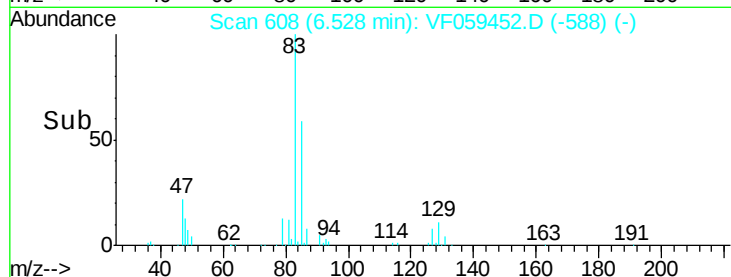
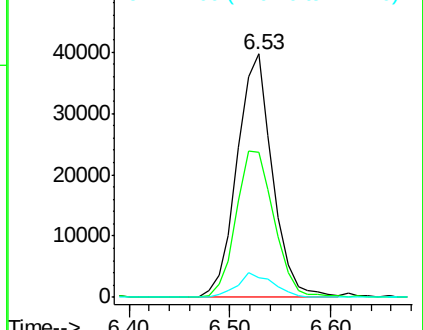
127 8.1 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.729 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

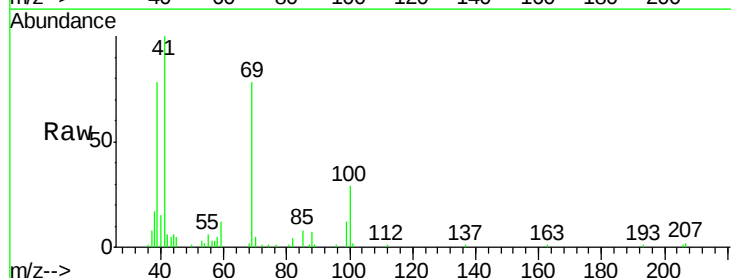
Tgt Ion: 41 Resp: 38474

Ion Ratio Lower Upper

41 100

69 77.8 57.3 85.9

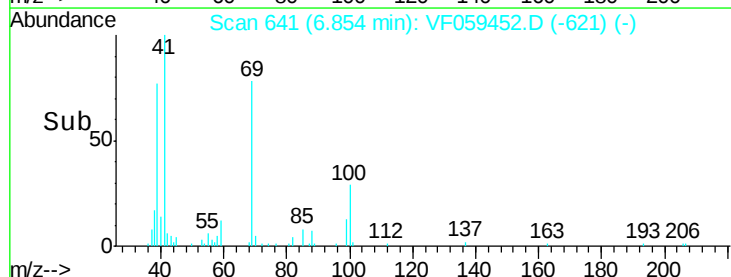
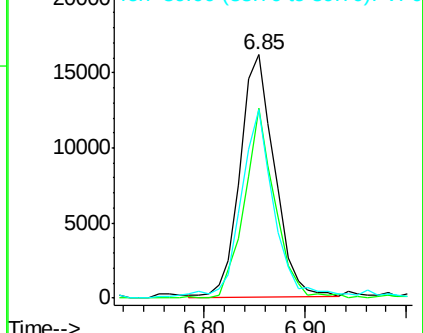
39 77.7 64.4 96.6

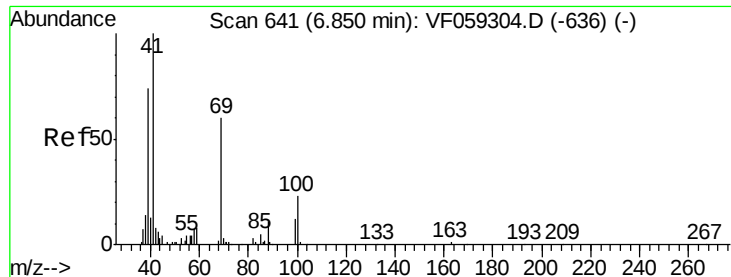


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 340.092 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

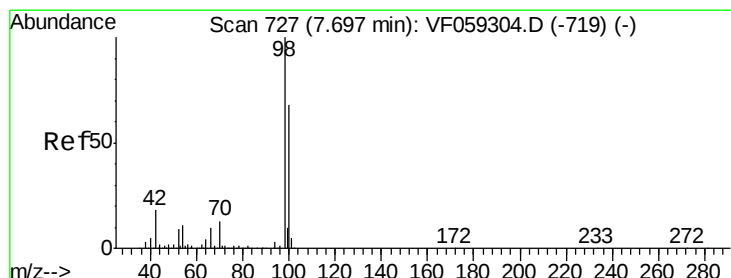
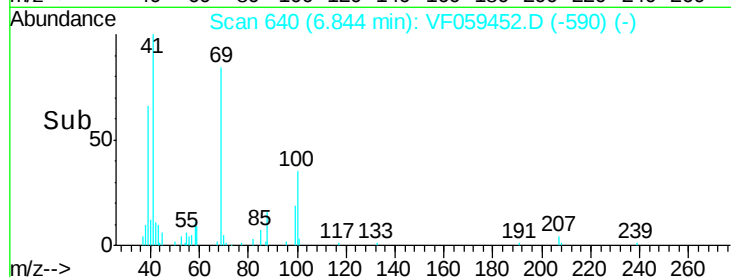
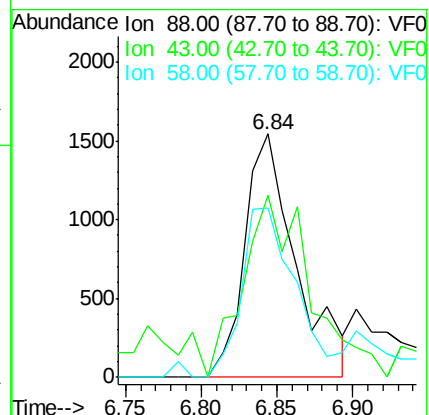
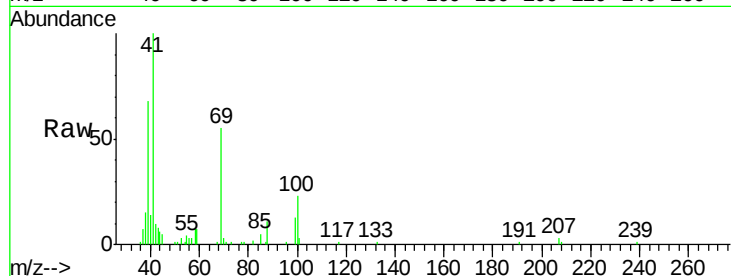
Tot Ion: 88 Resp: 3646

Ion Ratio Lower Upper

88 100

43 74.7 50.6 75.8

58 69.5 46.6 69.8



#50

Toluene-d8

Concen: 44.220 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059452.D

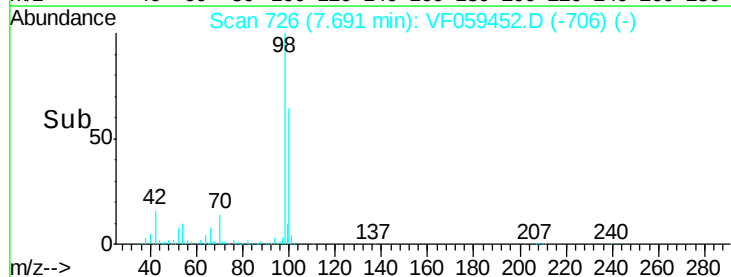
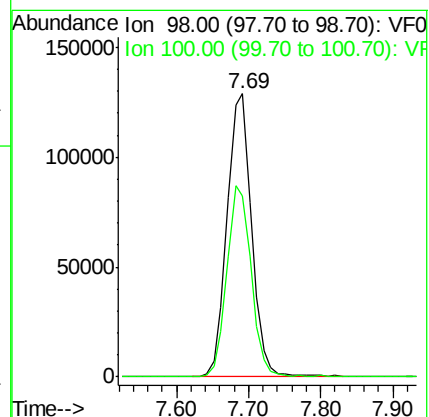
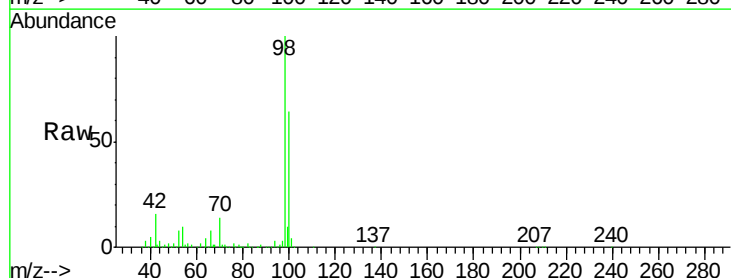
Acq: 6 Jul 2018 16:28

Tgt Ion: 98 Resp: 304450

Ion Ratio Lower Upper

98 100

100 63.9 54.6 82.0





#51

4-Methyl-2-Pentanone

Concen: 105.151 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

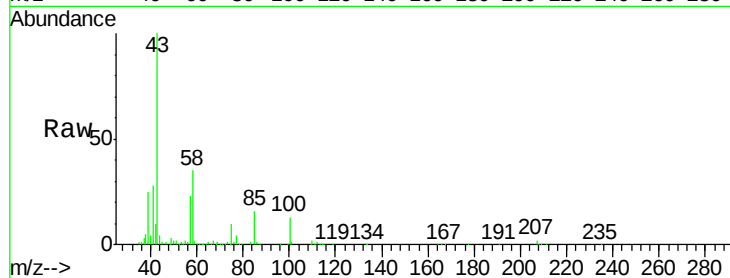
VF0706SBSD01

Tot Ion: 43 Resp: 215732

Ion Ratio Lower Upper

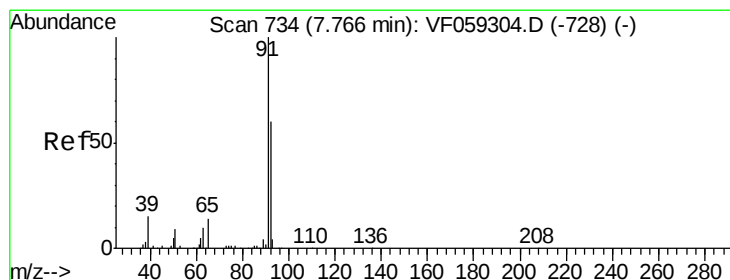
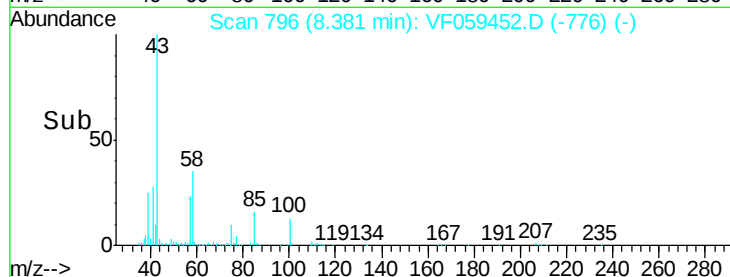
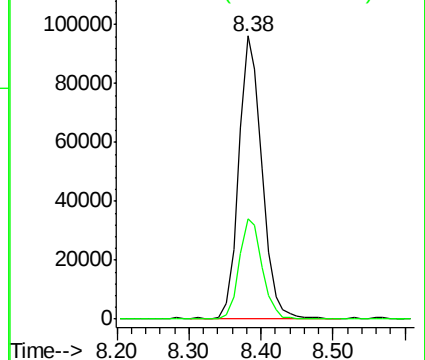
43 100

58 35.3 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.636 ug/l

RT: 7.75 min Scan# 732

Delta R.T. -0.02 min

Lab File: VF059452.D

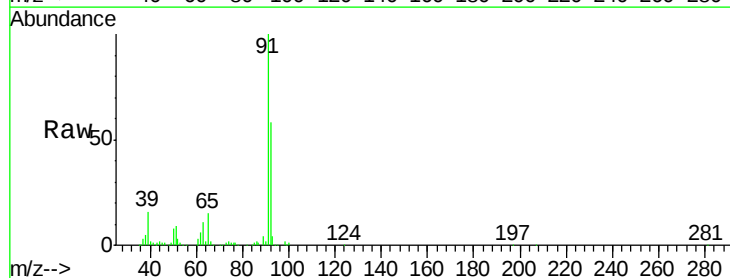
Acq: 6 Jul 2018 16:28

Tgt Ion: 92 Resp: 113828

Ion Ratio Lower Upper

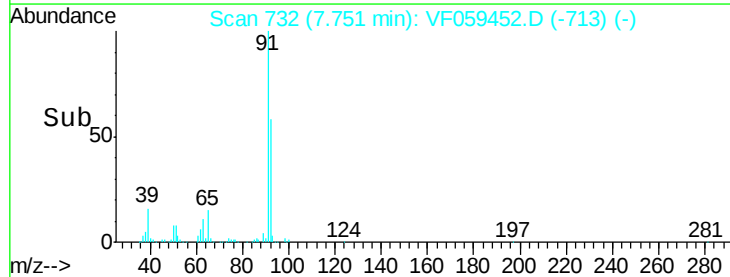
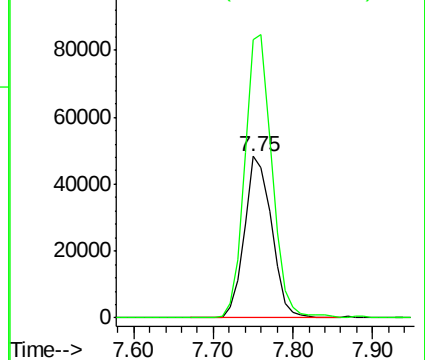
92 100

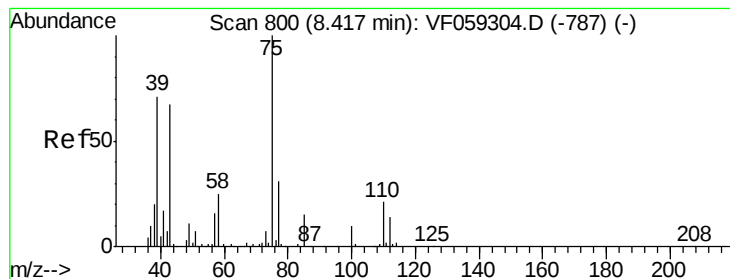
91 172.2 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.443 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

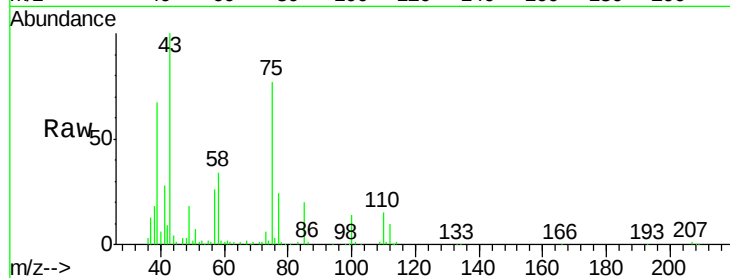
VF0706SBSD01

Tot Ion: 75 Resp: 90524

Ion Ratio Lower Upper

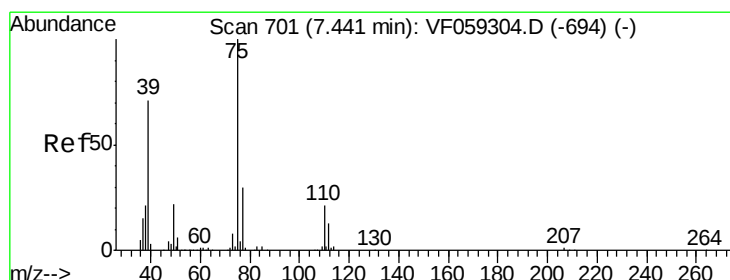
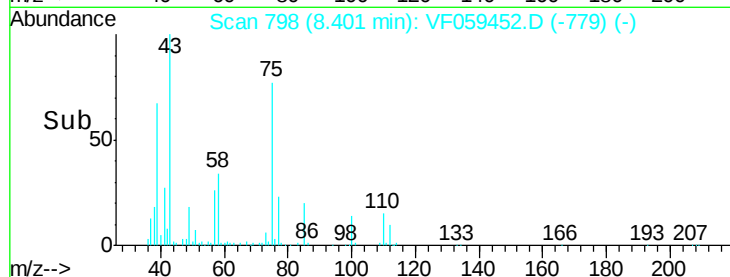
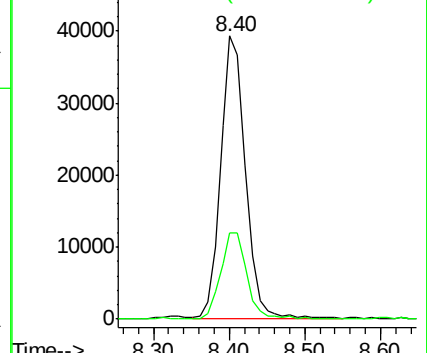
75 100

77 30.7 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.772 ug/l

RT: 7.44 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

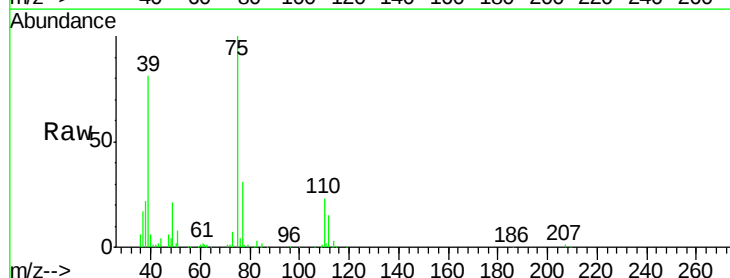
Tgt Ion: 75 Resp: 91005

Ion Ratio Lower Upper

75 100

77 31.2 24.3 36.5

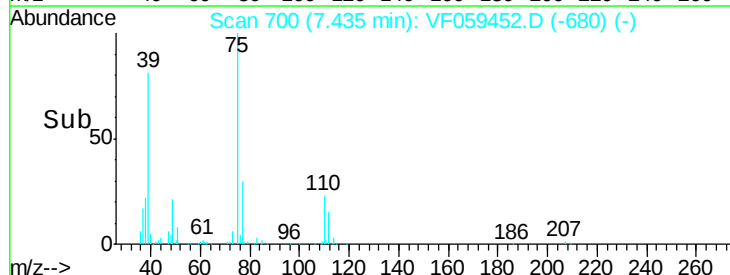
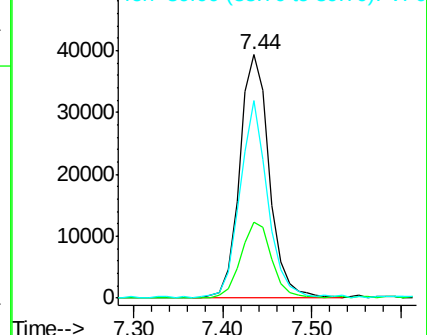
39 81.2 57.2 85.8

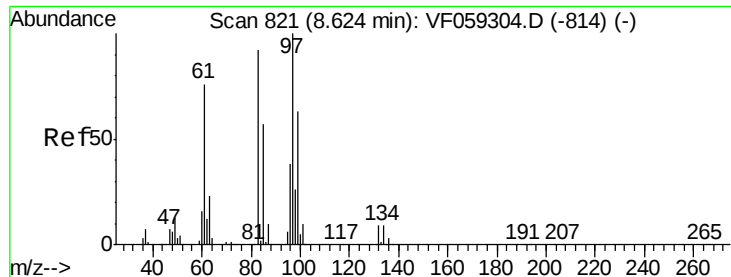


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 22.108 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

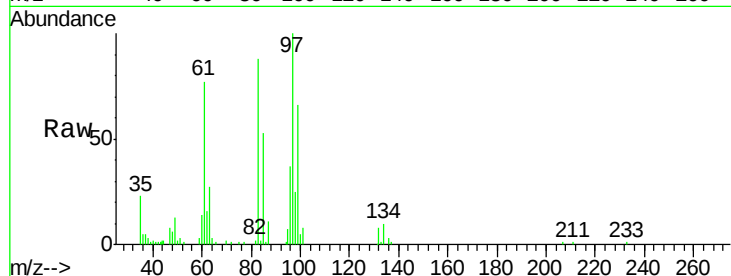
MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion: 97 Resp: 47347

Ion	Ratio	Lower	Upper
97	100		
83	87.6	73.8	110.8
85	52.6	45.5	68.3
99	65.5	50.7	76.1

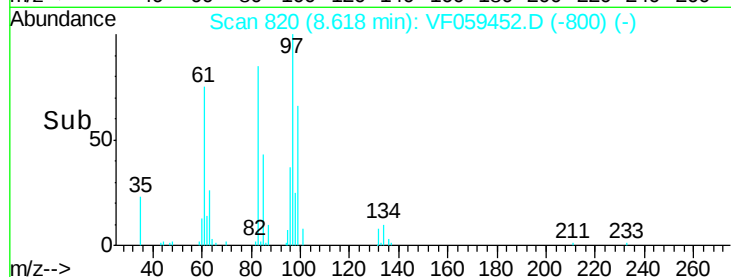


Abundance Ion 97.00 (96.70 to 97.70): VF0

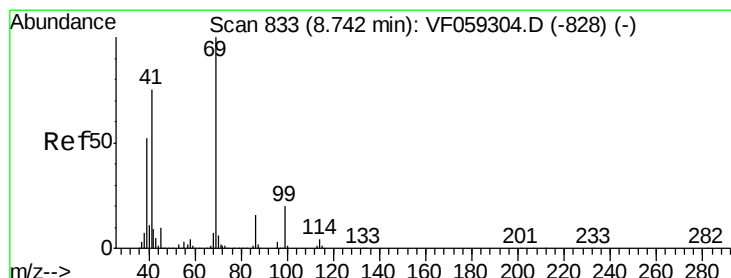
Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



Time-->



#56

Ethyl methacrylate

Concen: 20.199 ug/l

RT: 8.74 min Scan# 832

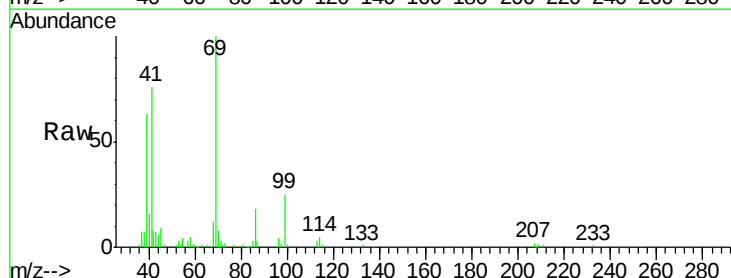
Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion: 69 Resp: 53589

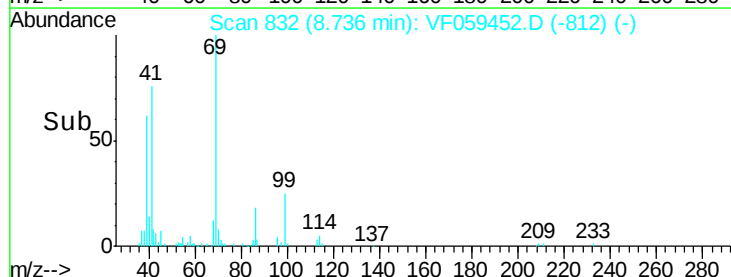
Ion	Ratio	Lower	Upper
69	100		
41	75.9	60.3	90.5
39	62.8	42.2	63.4



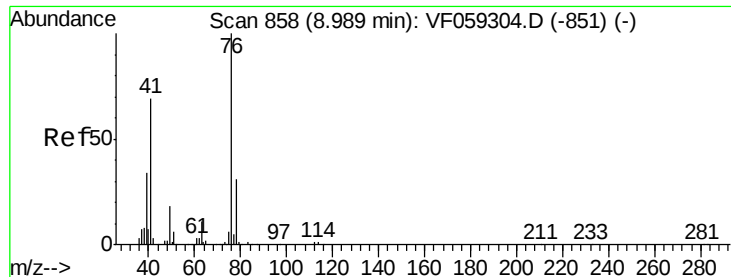
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->



#57

1,3-Dichloropropane

Concen: 20.259 ug/l

RT: 8.97 min Scan# 856

Delta R.T. -0.02 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

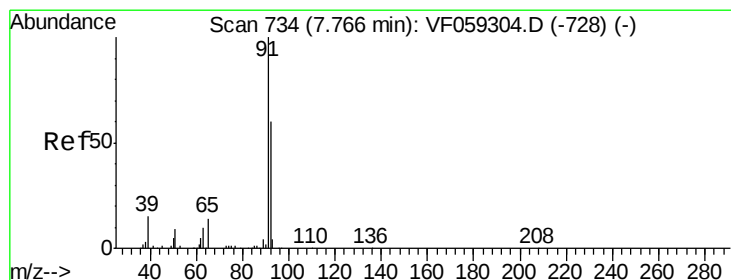
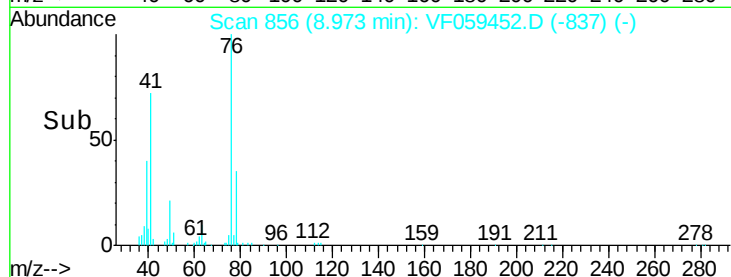
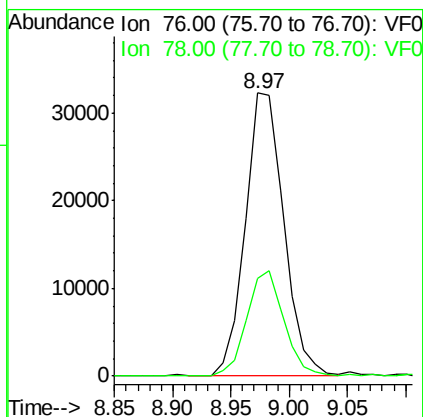
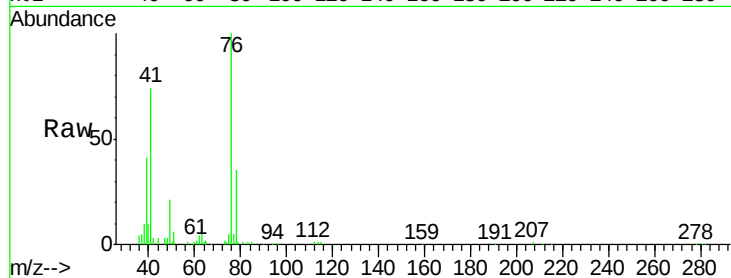
VF0706SBSD01

Tot Ion: 76 Resp: 74411

Ion Ratio Lower Upper

76 100

78 34.7 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 110.306 ug/l

RT: 7.75 min Scan# 732

Delta R.T. -0.02 min

Lab File: VF059452.D

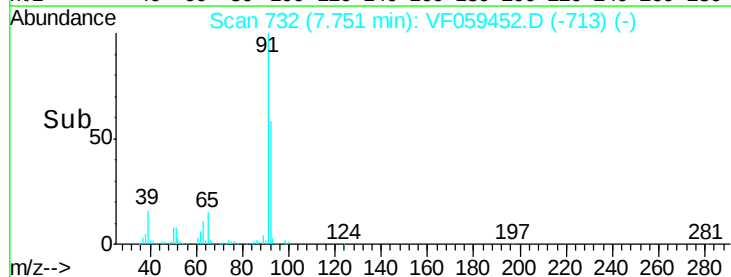
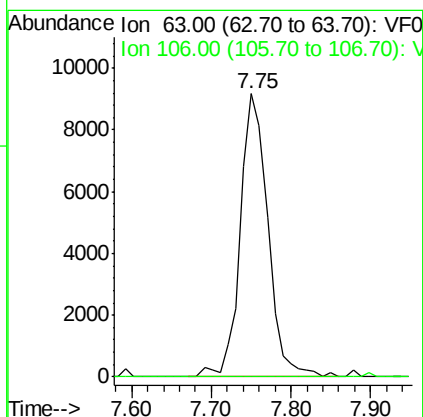
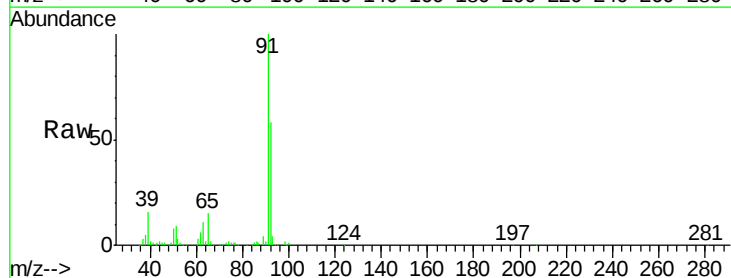
Acq: 6 Jul 2018 16:28

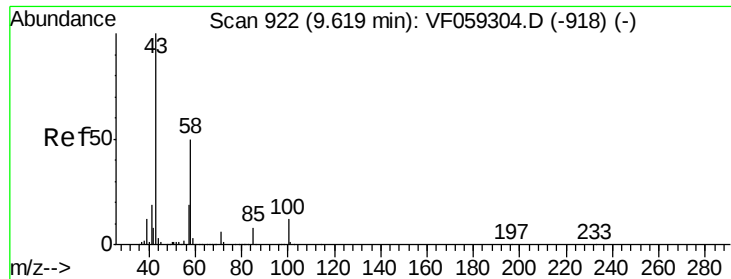
Tgt Ion: 63 Resp: 21948

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

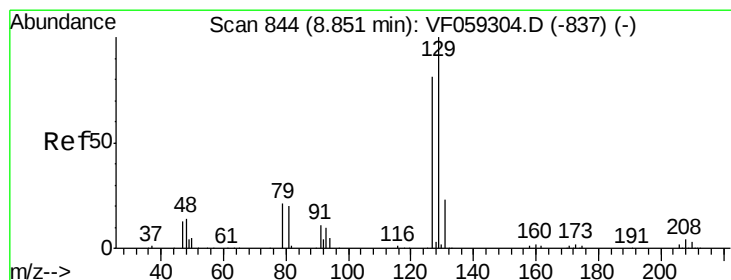
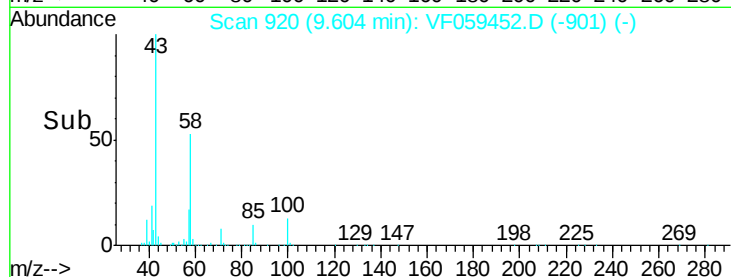
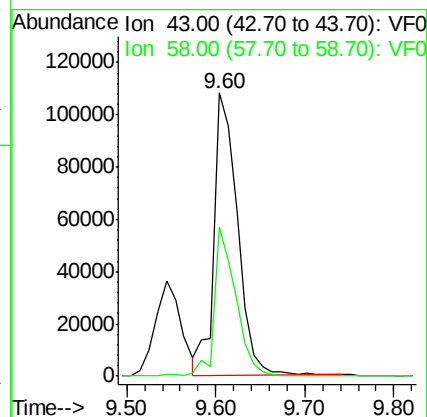
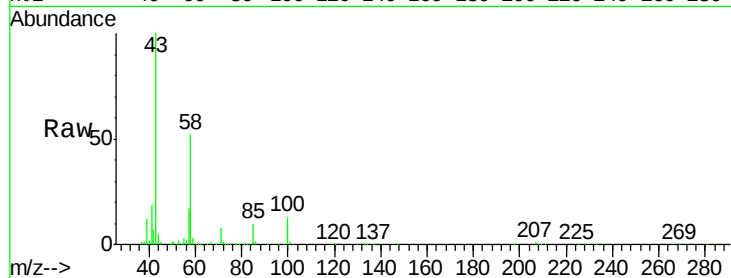




#59
2-Hexanone
Concen: 119.779 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.02 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

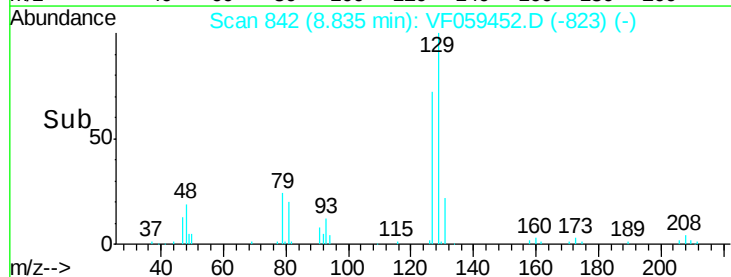
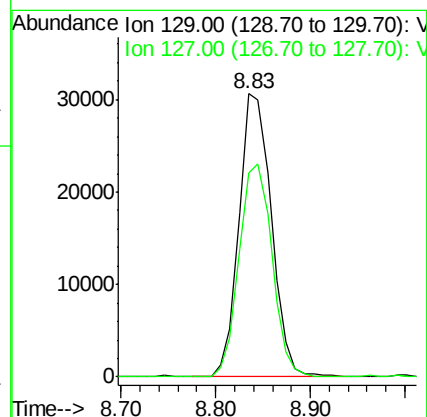
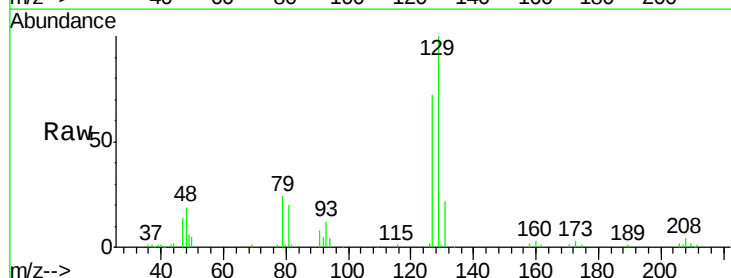
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

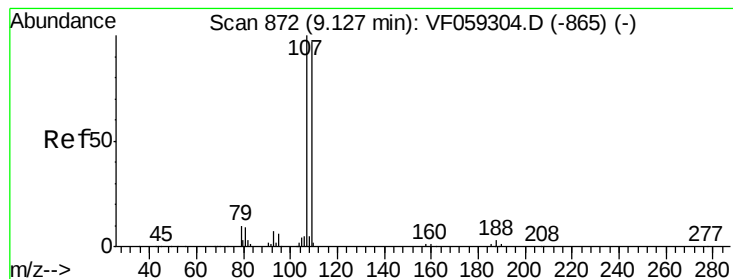
Tot Ion: 43 Resp: 198184
Ion Ratio Lower Upper
43 100
58 52.5 23.3 69.9



#60
Dibromochloromethane
Concen: 22.042 ug/l
RT: 8.83 min Scan# 842
Delta R.T. -0.02 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion: 129 Resp: 72879
Ion Ratio Lower Upper
129 100
127 72.2 40.7 122.1





#61

1,2-Dibromoethane

Concen: 20.536 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.02 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

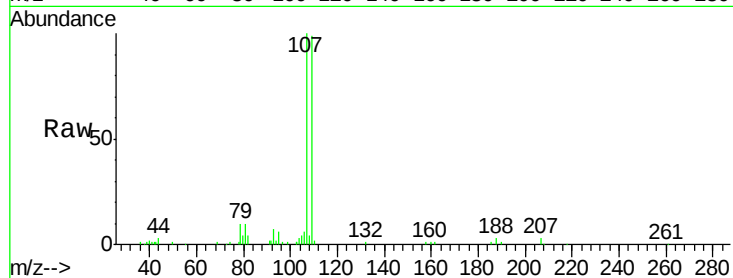
VF0706SBSD01

Tot Ion:107 Resp: 53340

Ion Ratio Lower Upper

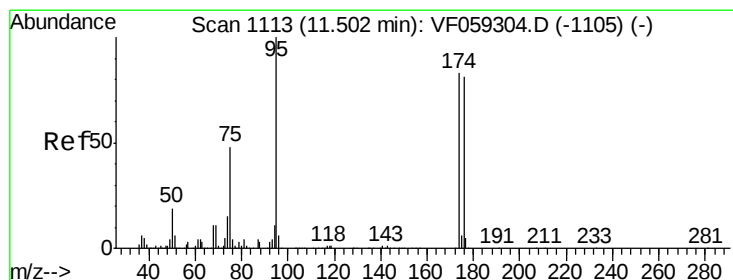
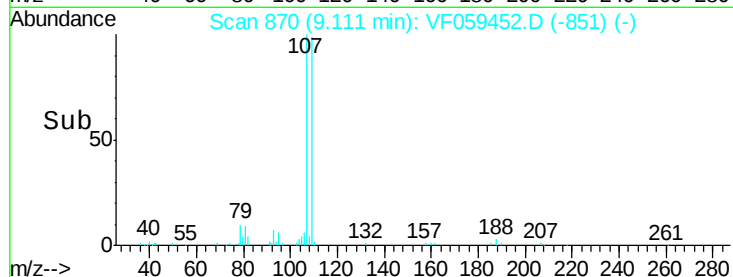
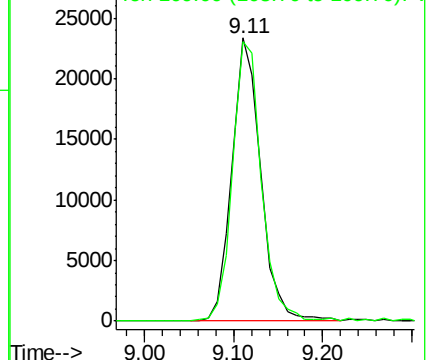
107 100

109 98.8 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.068 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

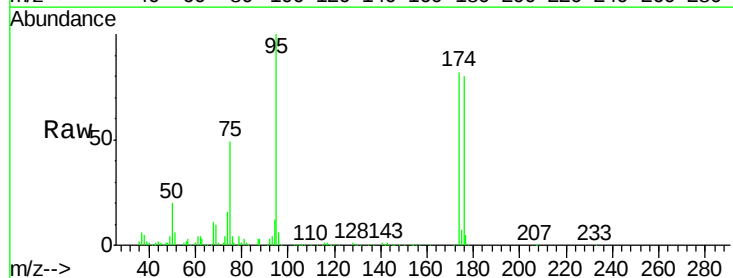
Tgt Ion: 95 Resp: 182798

Ion Ratio Lower Upper

95 100

174 82.5 0.0 165.2

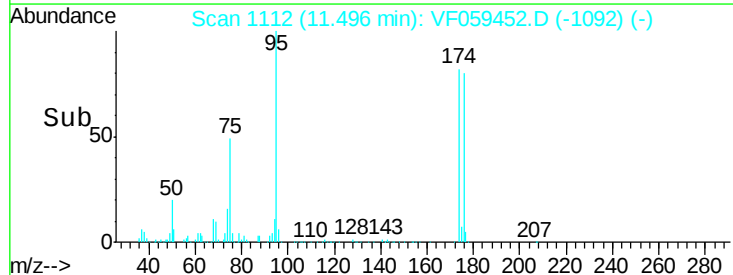
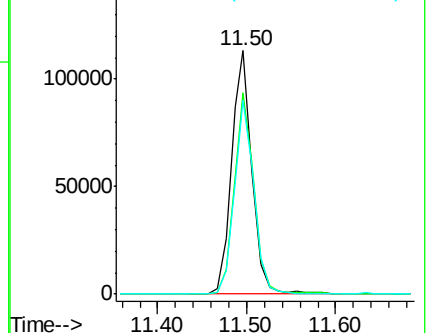
176 79.6 0.0 161.0

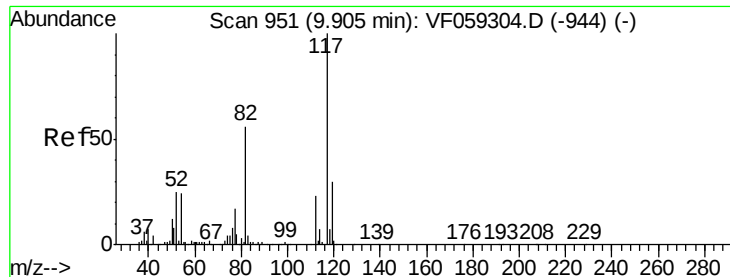


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

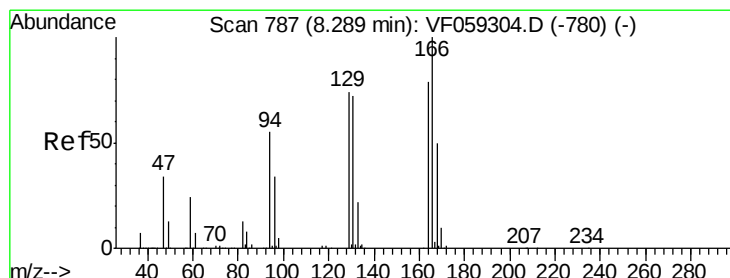
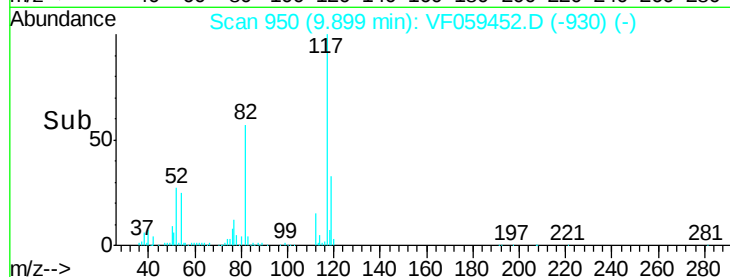
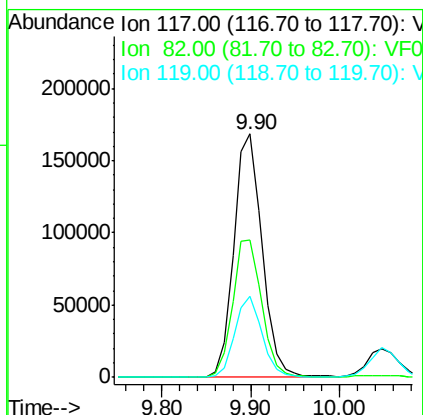
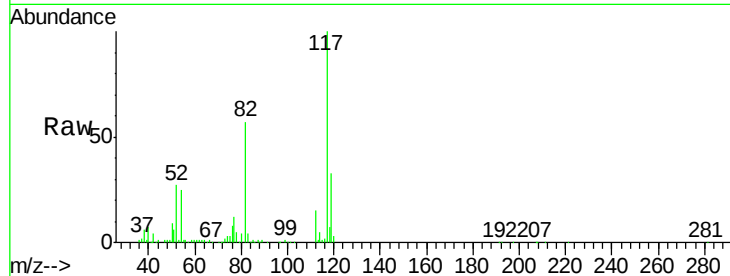




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

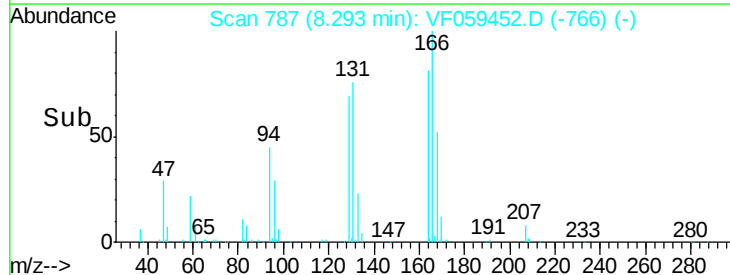
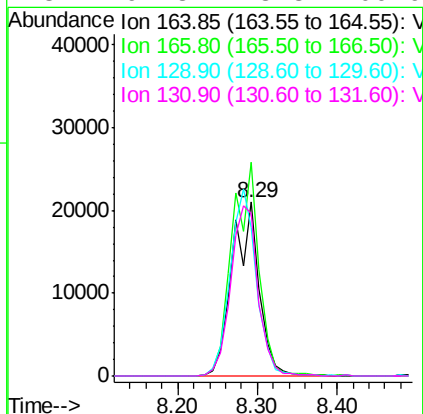
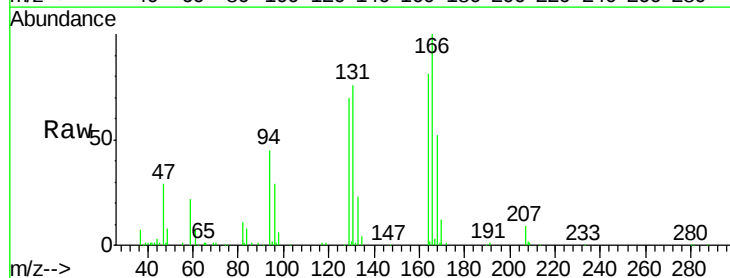
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

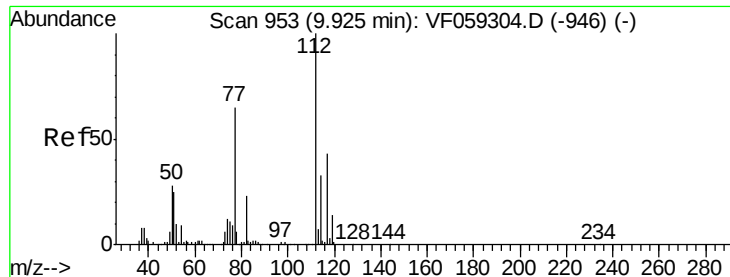
Tot Ion:117 Resp: 373435
Ion Ratio Lower Upper
117 100
82 56.6 44.6 66.8
119 33.1 24.1 36.1



#64
Tetrachloroethene
Concen: 20.464 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion:164 Resp: 49563
Ion Ratio Lower Upper
164 100
166 123.0 101.1 151.7
129 85.7 75.0 112.4
131 94.3 73.3 109.9





#65

Chlorobenzene

Concen: 22.018 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

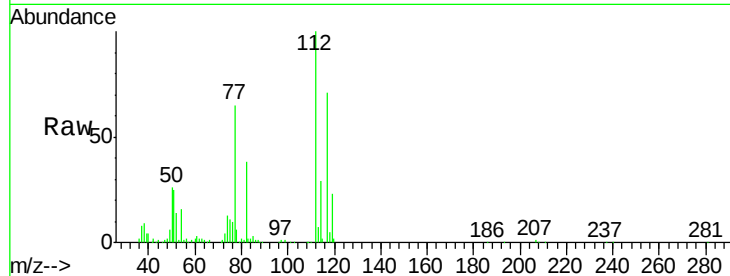
VF0706SBSD01

Tot Ion:112 Resp: 152360

Ion Ratio Lower Upper

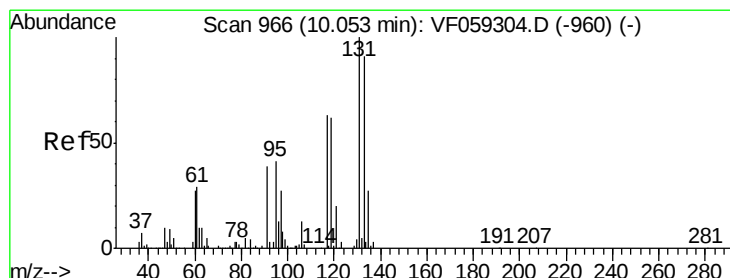
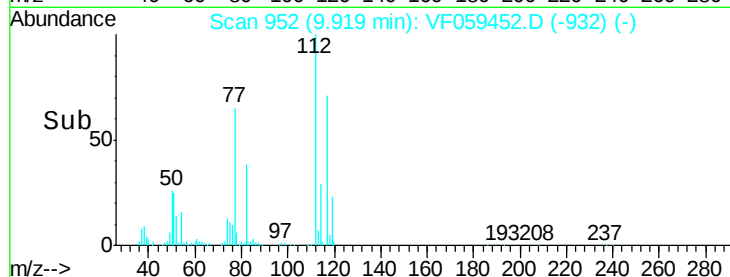
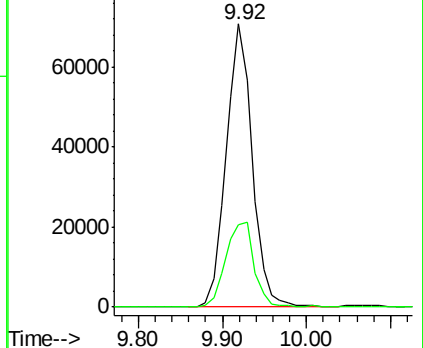
112 100

114 29.3 26.5 39.7



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: 23.516 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

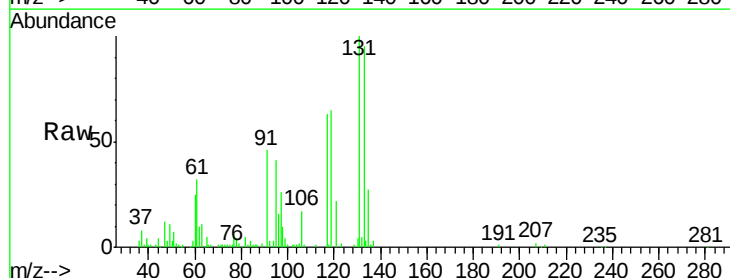
Tgt Ion:131 Resp: 70379

Ion Ratio Lower Upper

131 100

133 95.0 45.3 135.9

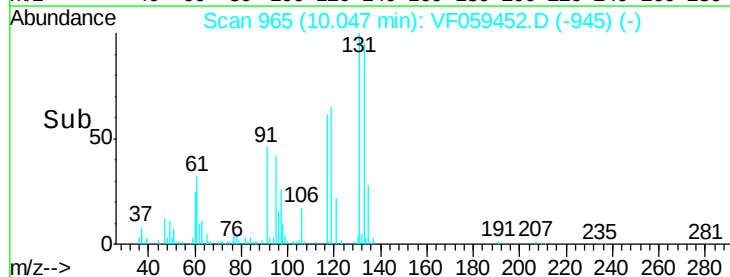
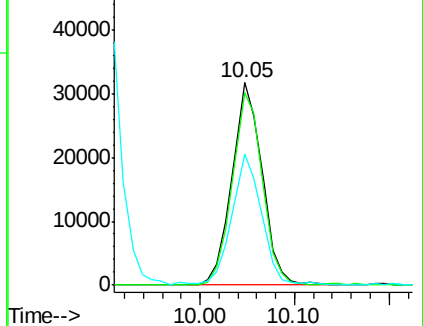
119 64.7 31.3 93.9

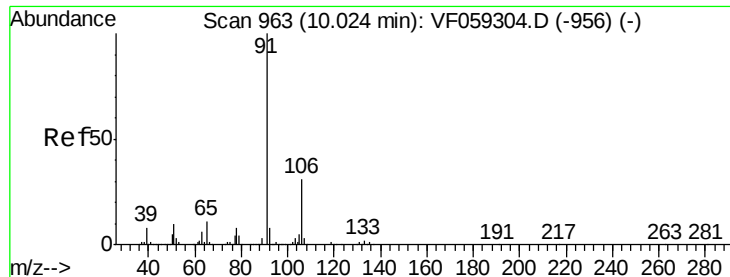


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 23.282 ug/l

RT: 10.02 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

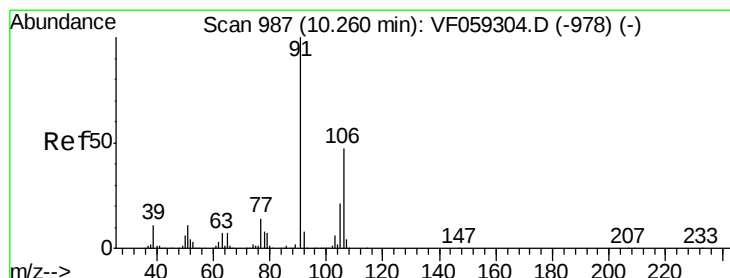
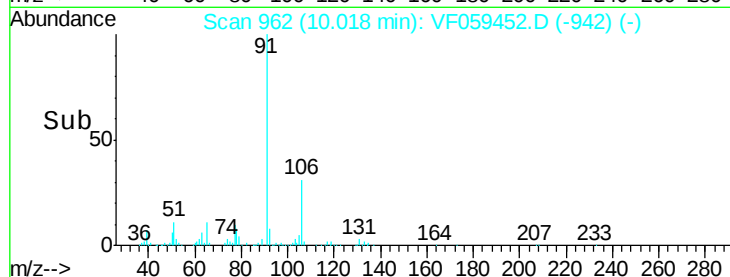
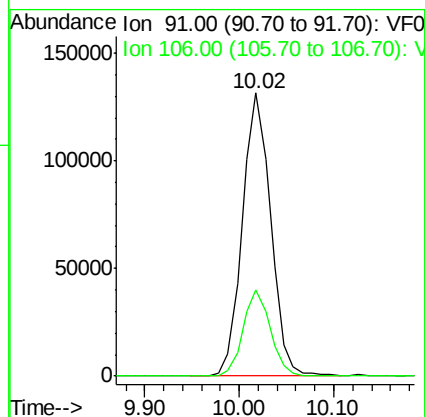
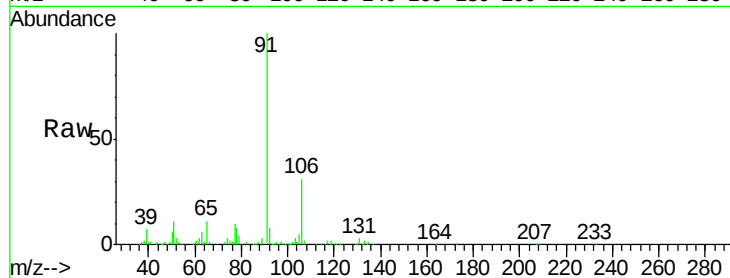
VF0706SBSD01

Tot Ion: 91 Resp: 273302

Ion Ratio Lower Upper

91 100

106 30.7 24.8 37.2



#68

m/p-Xylenes

Concen: 46.783 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.02 min

Lab File: VF059452.D

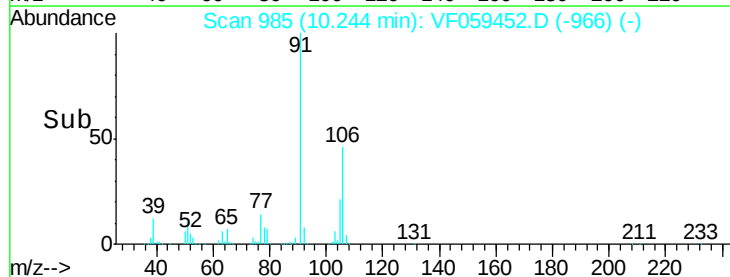
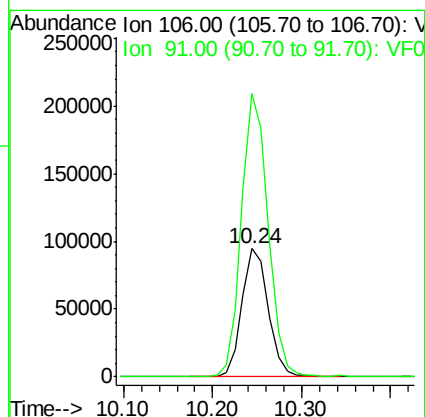
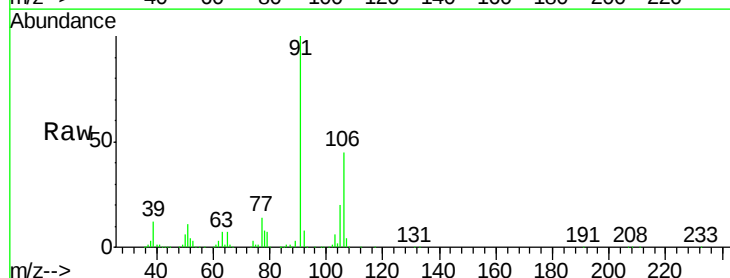
Acq: 6 Jul 2018 16:28

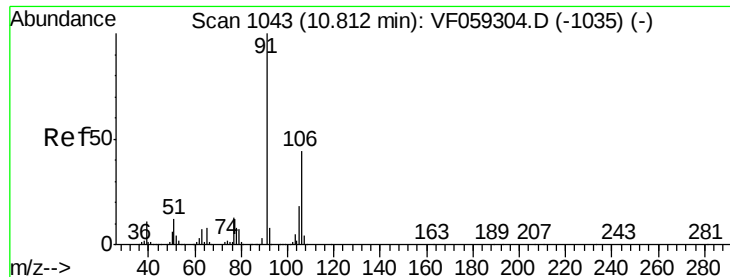
Tgt Ion: 106 Resp: 195470

Ion Ratio Lower Upper

106 100

91 220.6 170.8 256.2

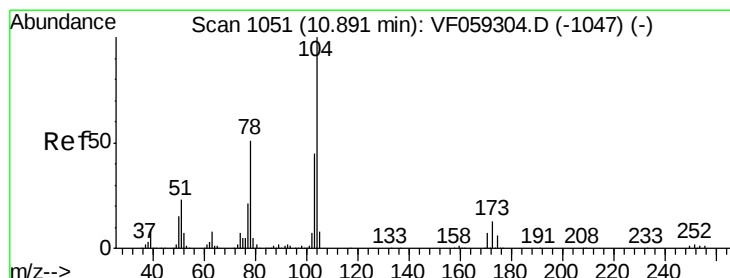
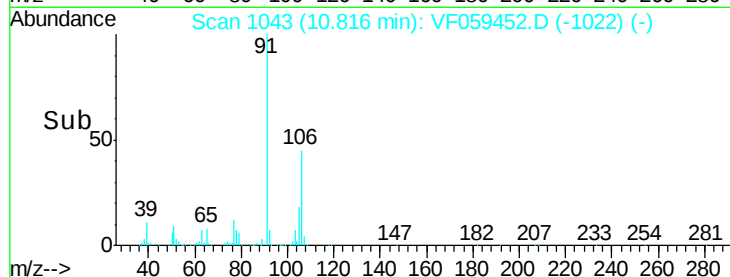
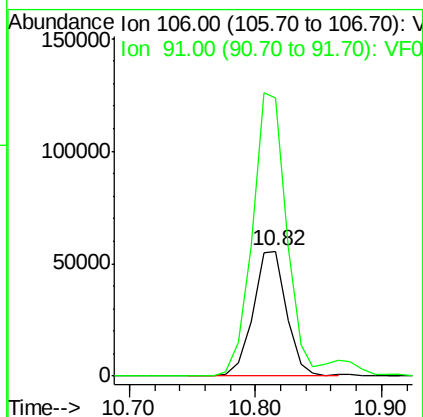
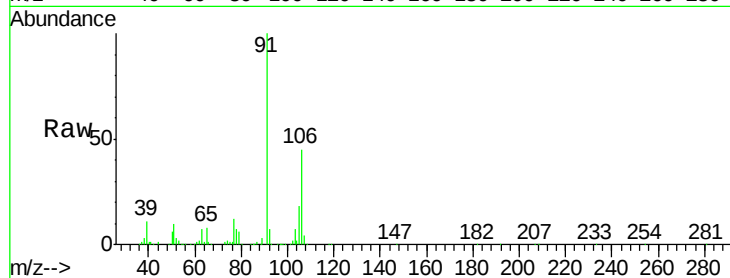




#69
o-Xylene
Concen: 21.980 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

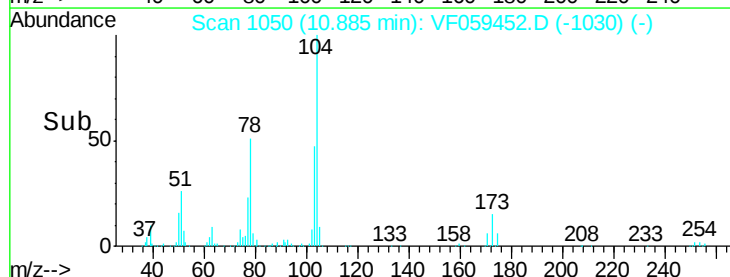
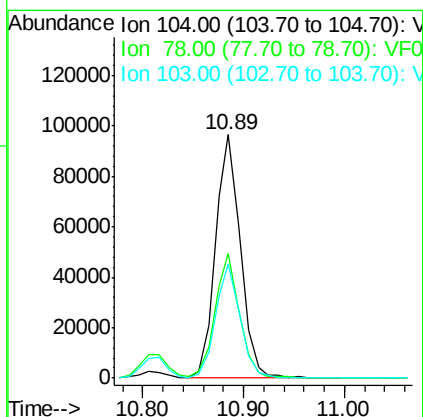
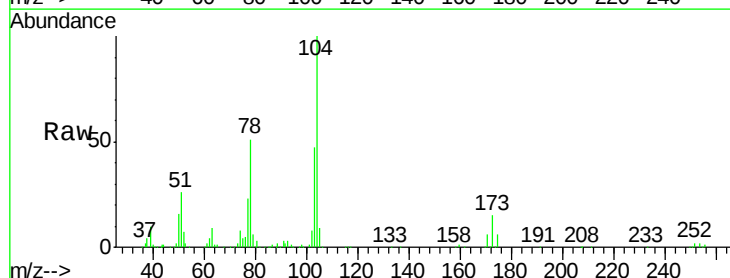
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

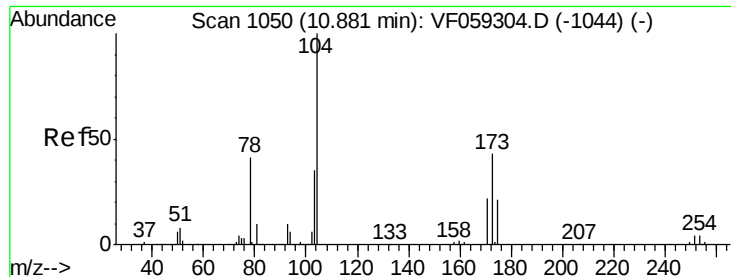
Tot Ion:106 Resp: 102723
Ion Ratio Lower Upper
106 100
91 222.5 114.6 343.6



#70
Styrene
Concen: 23.253 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion:104 Resp: 165537
Ion Ratio Lower Upper
104 100
78 51.2 40.9 61.3
103 47.1 36.5 54.7





#71

Bromoform

Concen: 22.923 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

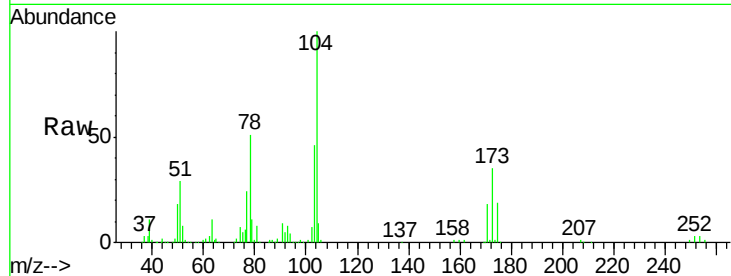
Tot Ion:173 Resp: 47022

Ion Ratio Lower Upper

173 100

175 54.0 24.8 74.3

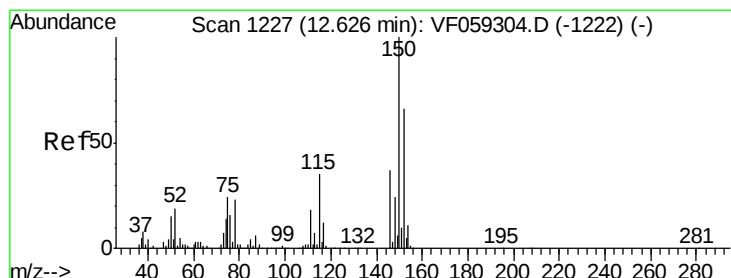
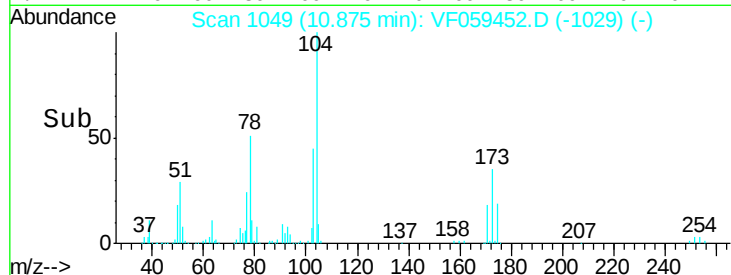
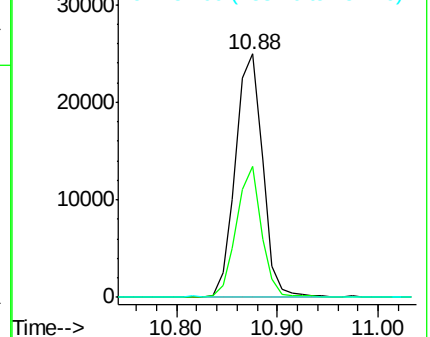
254 0.0 0.0 0.0



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: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

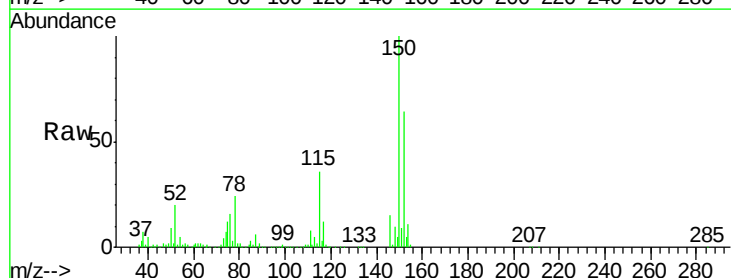
Tgt Ion:152 Resp: 239773

Ion Ratio Lower Upper

152 100

115 57.1 27.1 81.3

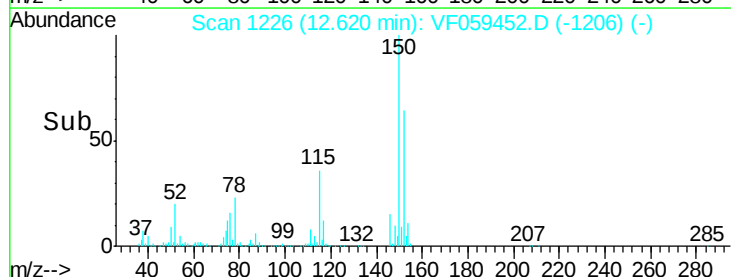
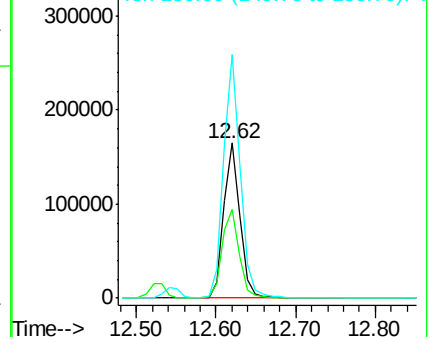
150 157.2 0.0 305.2

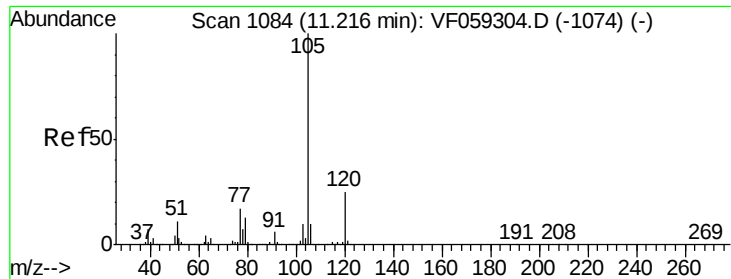


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.570 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

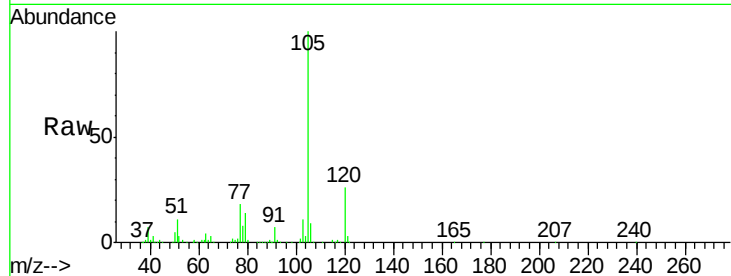
VF0706SBSD01

Tot Ion:105 Resp: 315266

Ion Ratio Lower Upper

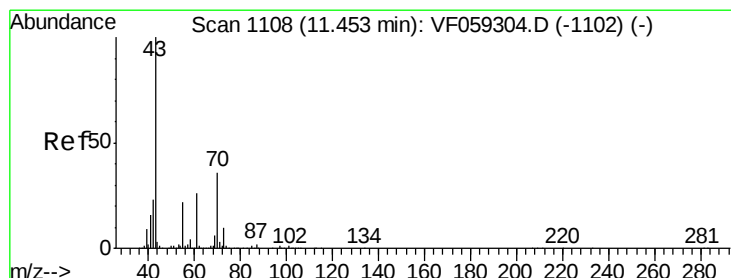
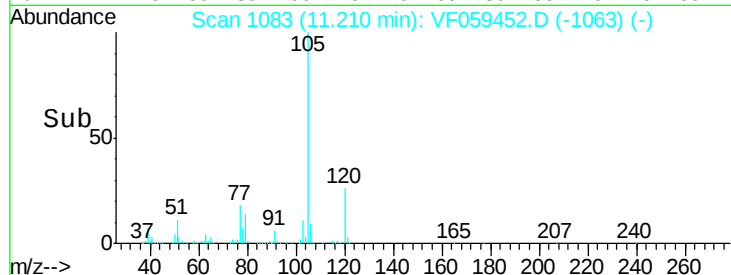
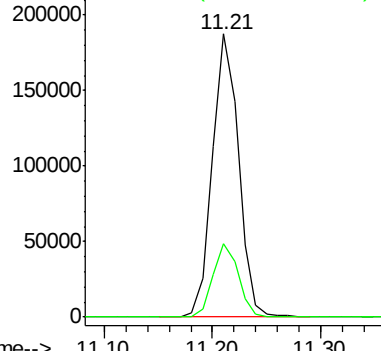
105 100

120 25.8 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.115 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion: 43 Resp: 107031

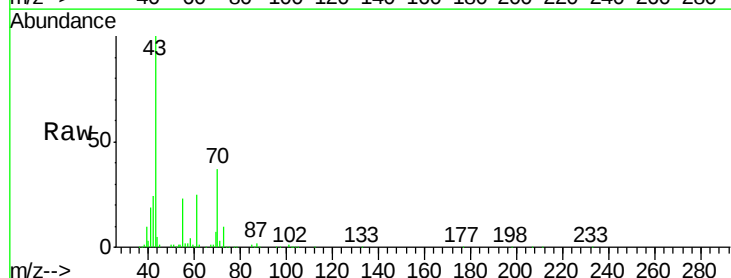
Ion Ratio Lower Upper

43 100

70 37.2 28.8 43.2

55 22.5 17.4 26.0

61 25.4 21.1 31.7

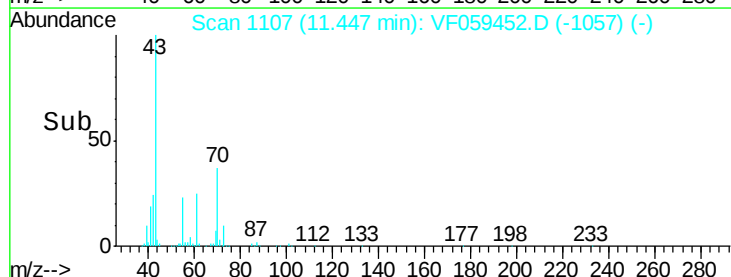
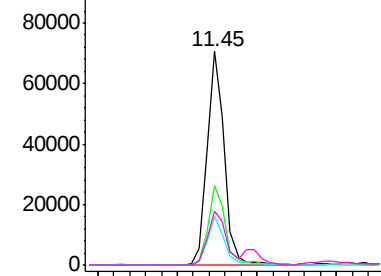


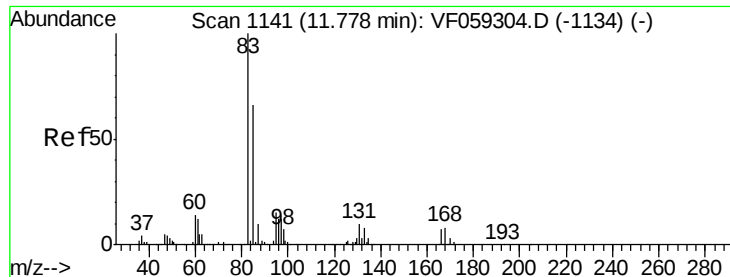
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.196 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

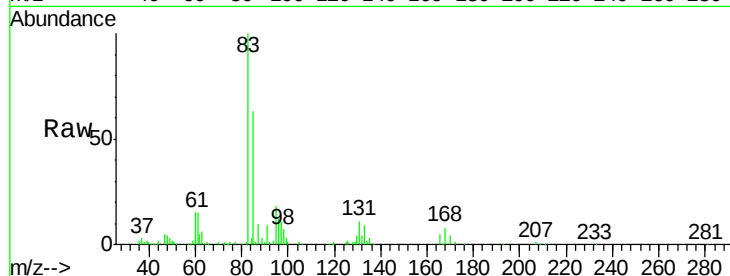
Tot Ion: 83 Resp: 74774

Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.6

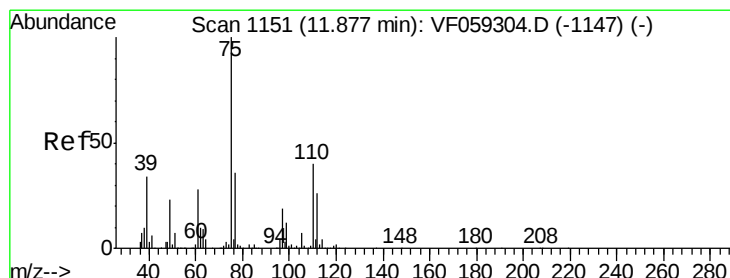
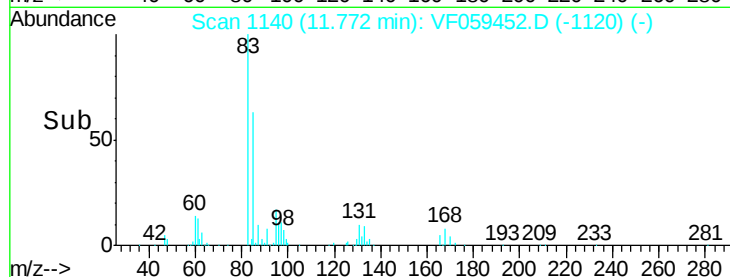
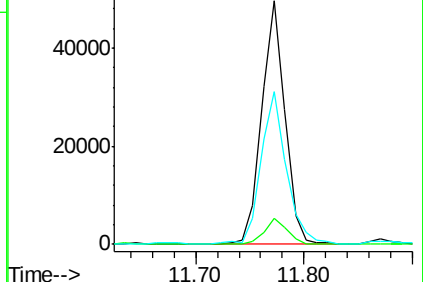
85 62.8 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.223 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF059452.D

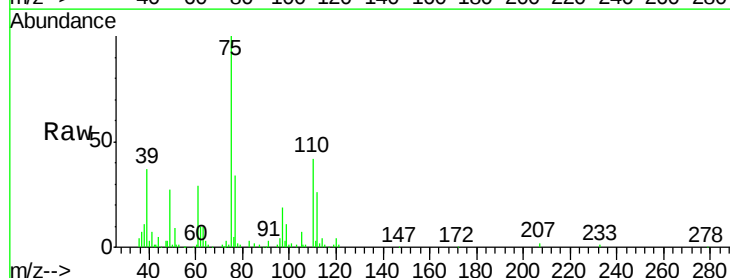
Acq: 6 Jul 2018 16:28

Tgt Ion: 75 Resp: 56477

Ion Ratio Lower Upper

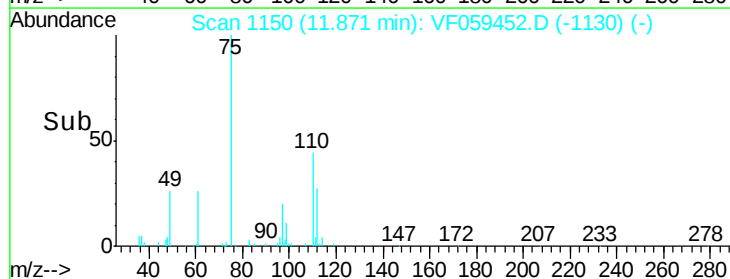
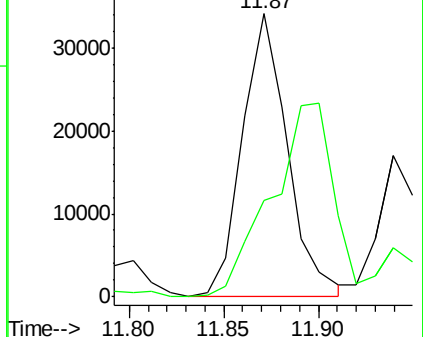
75 100

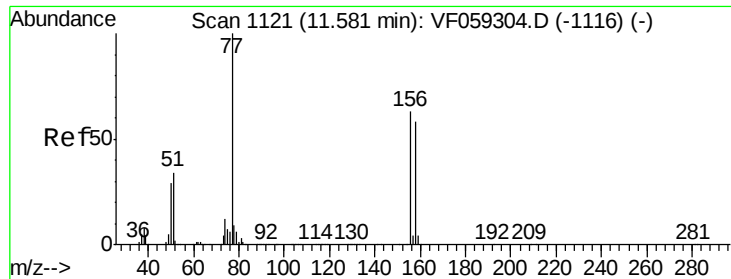
77 34.1 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.864 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

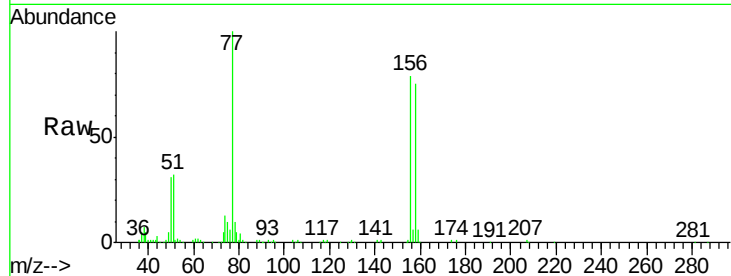
Tot Ion:156 Resp: 84733

Ion Ratio Lower Upper

156 100

77 126.8 79.7 238.9

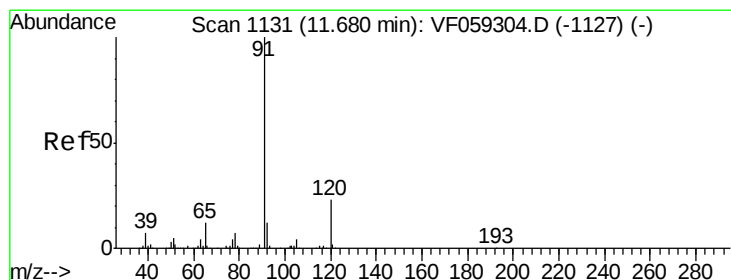
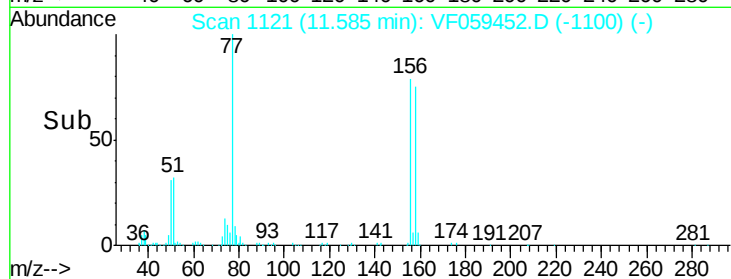
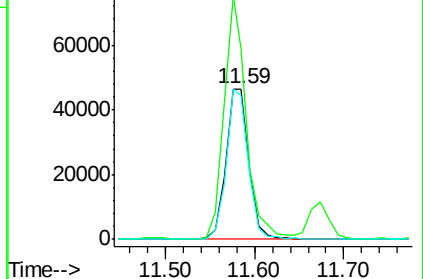
158 95.6 46.2 138.6



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: 22.241 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF059452.D

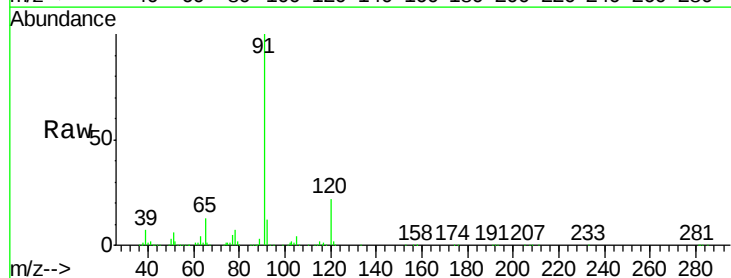
Acq: 6 Jul 2018 16:28

Tgt Ion: 91 Resp: 373117

Ion Ratio Lower Upper

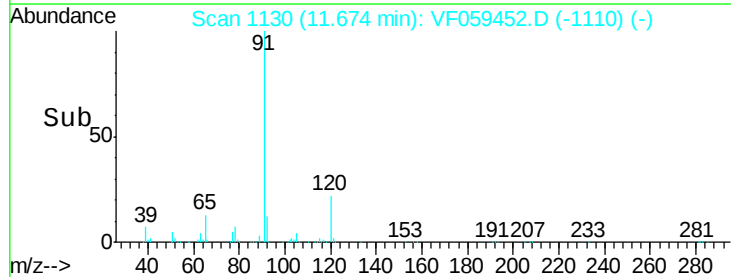
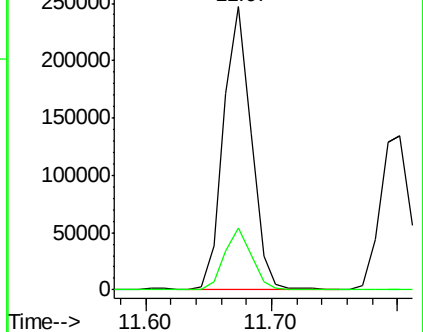
91 100

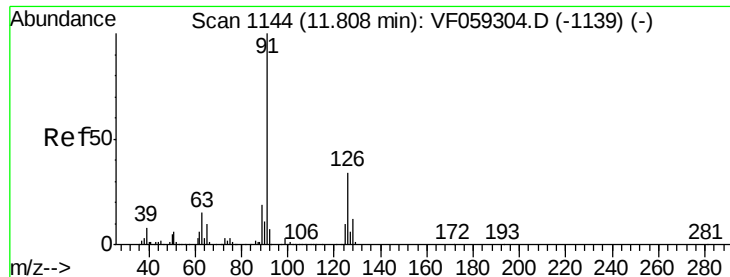
120 22.1 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.084 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

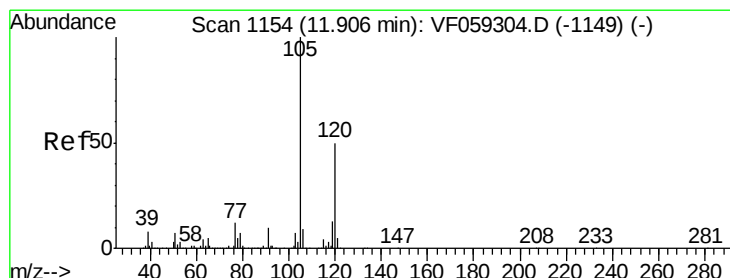
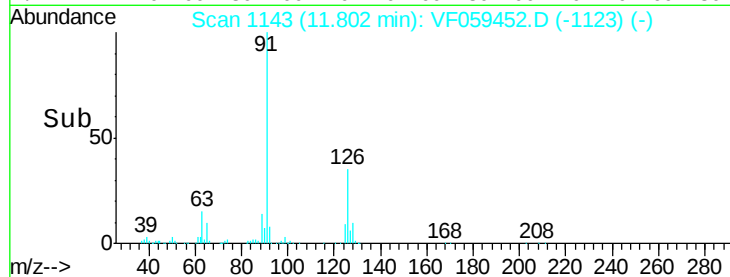
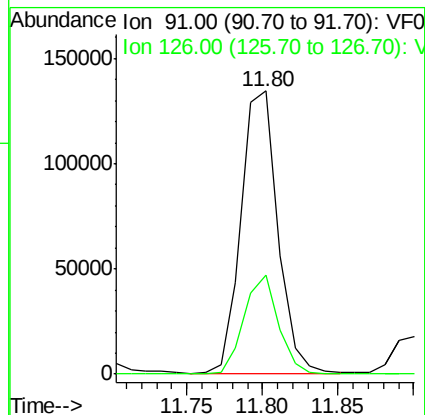
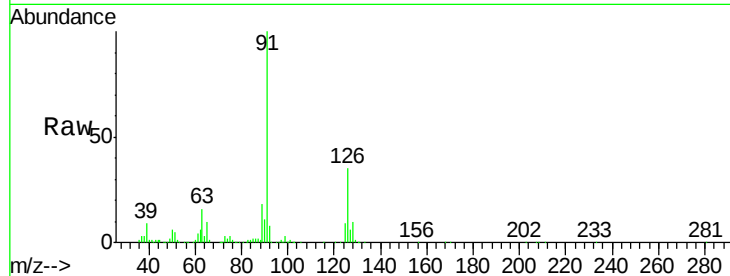
VF0706SBSD01

Tot Ion: 91 Resp: 226342

Ion Ratio Lower Upper

91 100

126 35.1 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 22.432 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059452.D

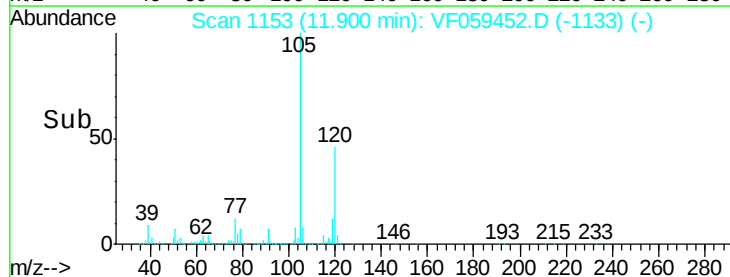
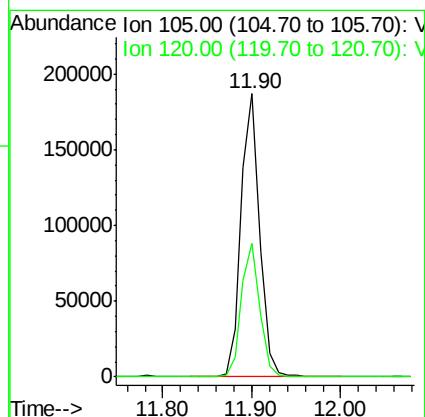
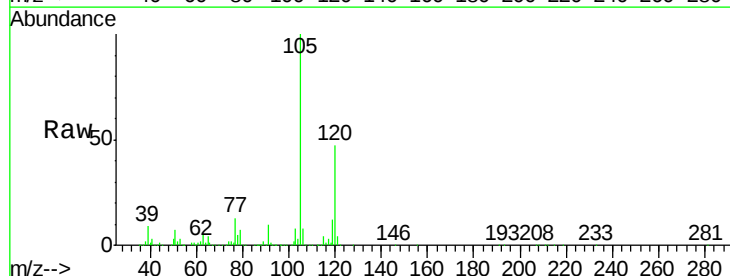
Acq: 6 Jul 2018 16:28

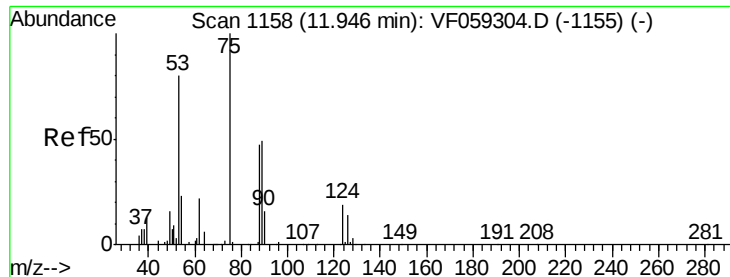
Tgt Ion:105 Resp: 274475

Ion Ratio Lower Upper

105 100

120 47.2 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 21.621 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

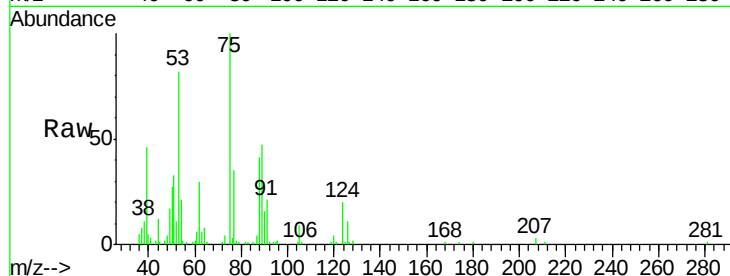
Tot Ion: 75 Resp: 34244

Ion Ratio Lower Upper

75 100

53 82.3 68.8 103.2

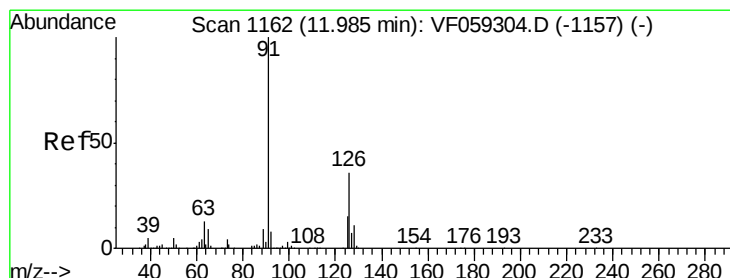
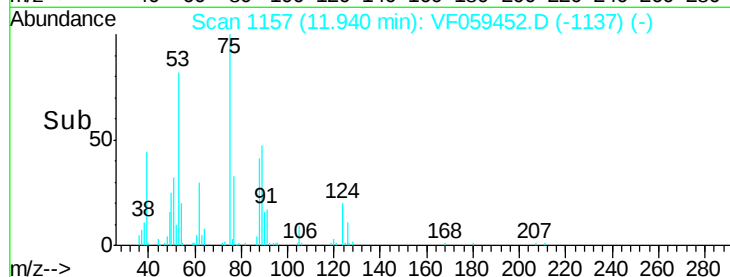
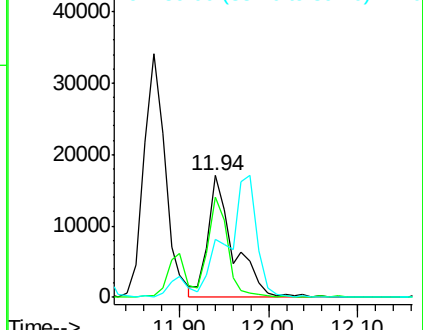
89 47.5 42.0 63.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.952 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059452.D

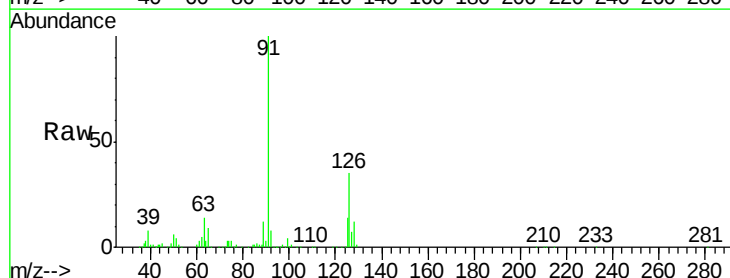
Acq: 6 Jul 2018 16:28

Tgt Ion: 91 Resp: 240991

Ion Ratio Lower Upper

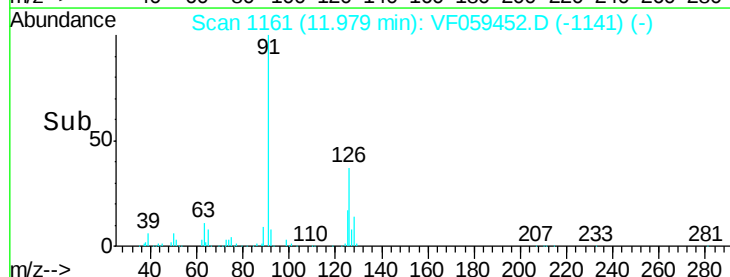
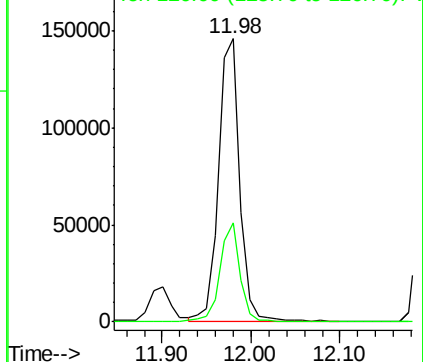
91 100

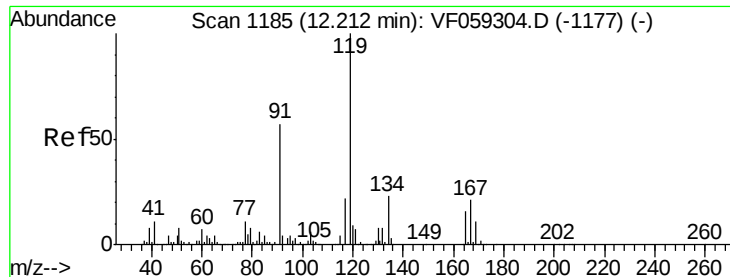
126 34.8 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

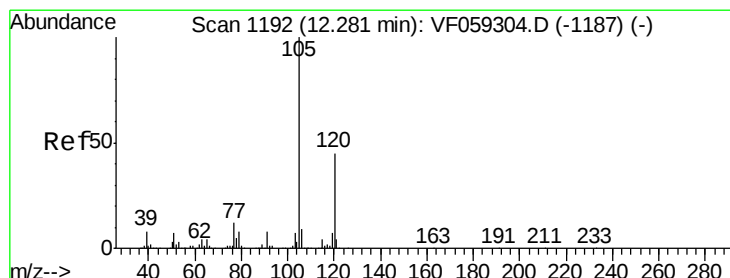
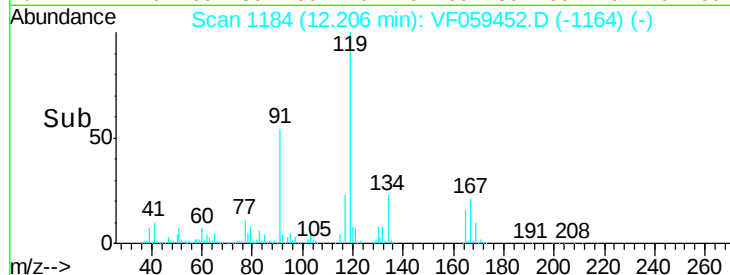
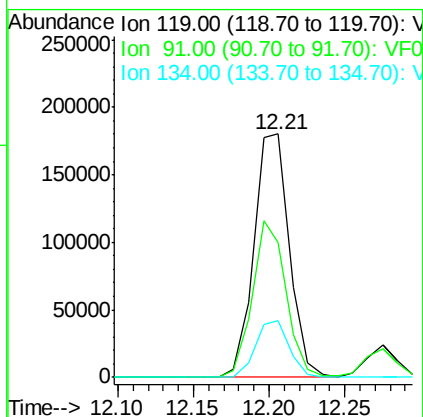
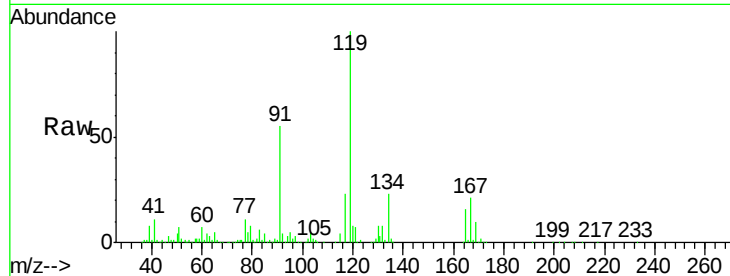




#83
tert-Butylbenzene
Concen: 24.094 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

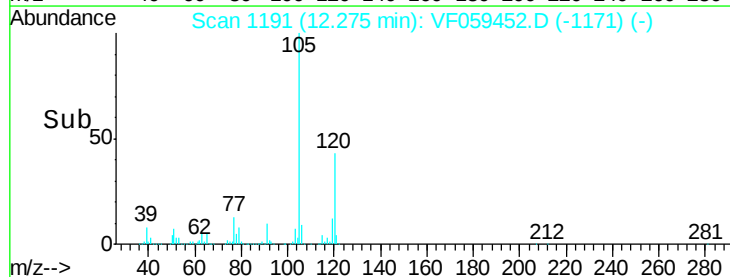
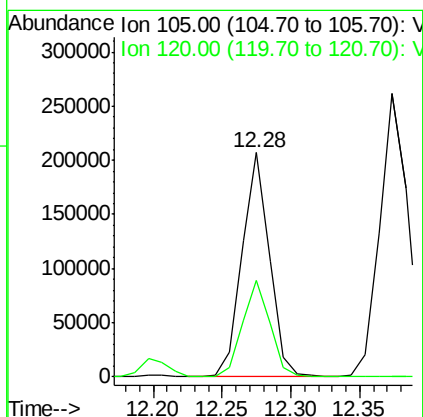
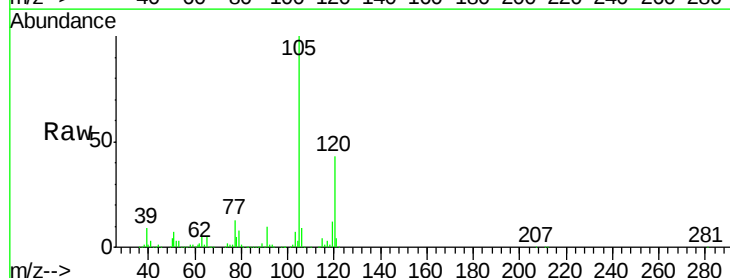
Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

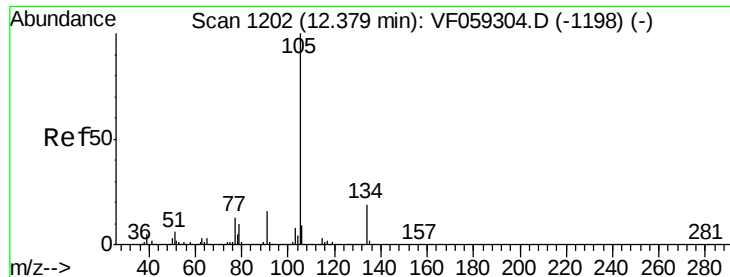
Tot Ion:119 Resp: 294863
Ion Ratio Lower Upper
119 100
91 55.5 28.4 85.2
134 23.1 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 22.464 ug/l
RT: 12.28 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion:105 Resp: 289483
Ion Ratio Lower Upper
105 100
120 43.1 22.8 68.4





#85

sec-Butylbenzene

Concen: 23.111 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

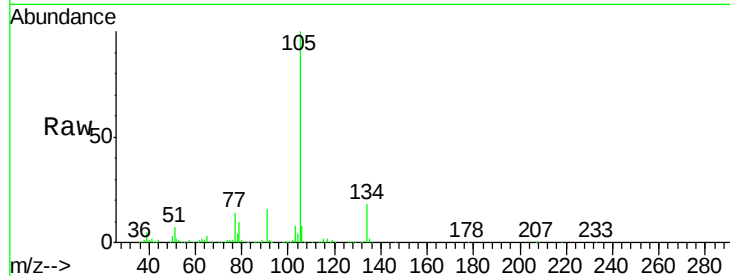
VF0706SBSD01

Tot Ion:105 Resp: 374904

Ion Ratio Lower Upper

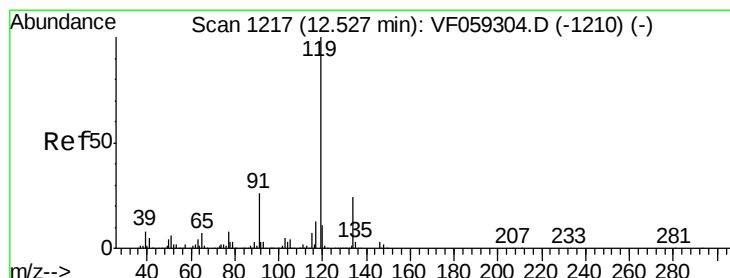
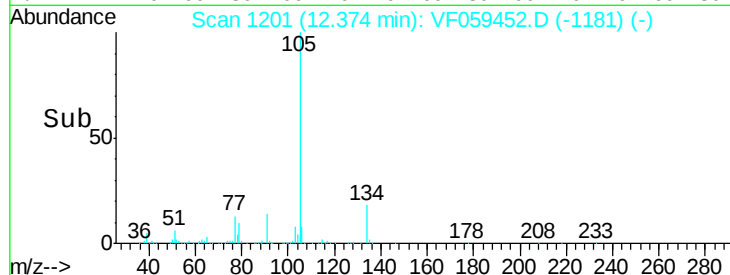
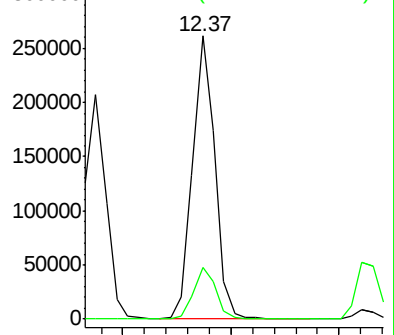
105 100

134 18.2 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.549 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

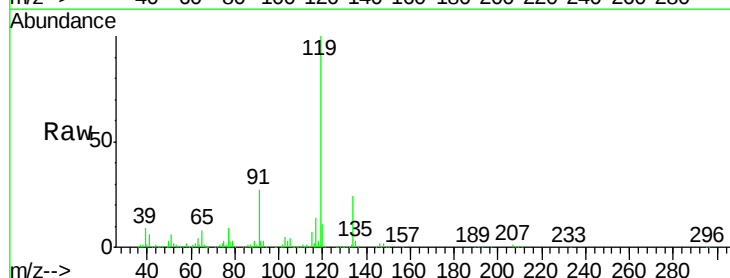
Tgt Ion:119 Resp: 320586

Ion Ratio Lower Upper

119 100

134 24.1 12.2 36.4

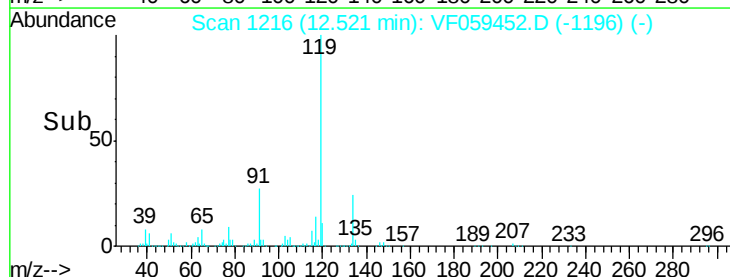
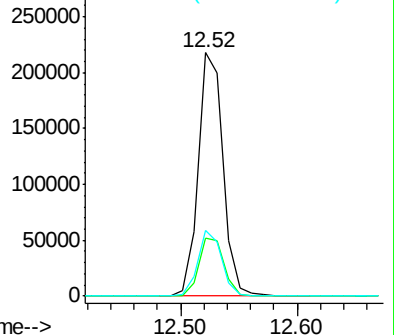
91 27.1 12.9 38.6

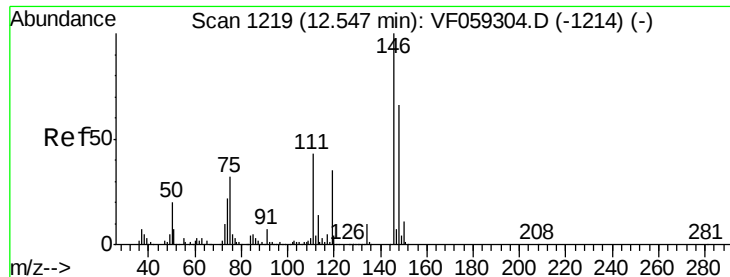


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

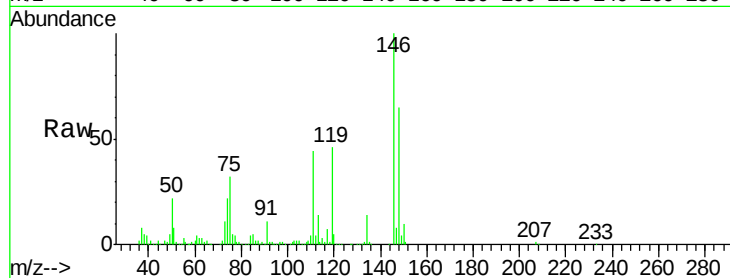




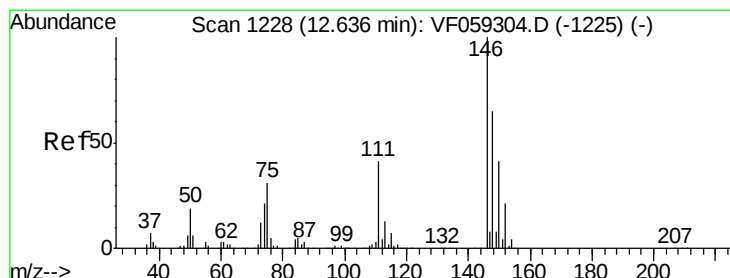
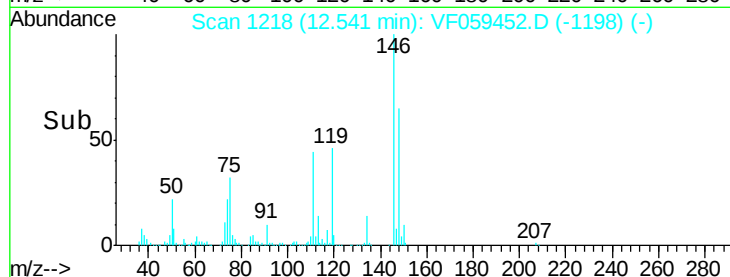
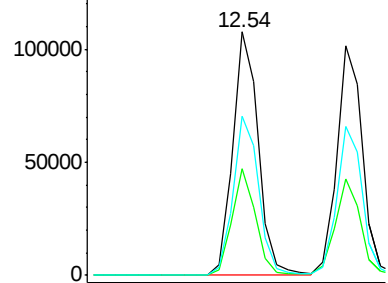
#87
 1,3-Dichlorobenzene
 Concen: 22.966 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

Tot Ion:146 Resp: 162862
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.4 64.2
 148 65.1 32.8 98.4

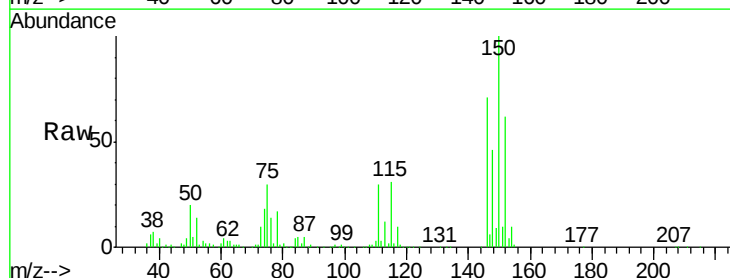


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

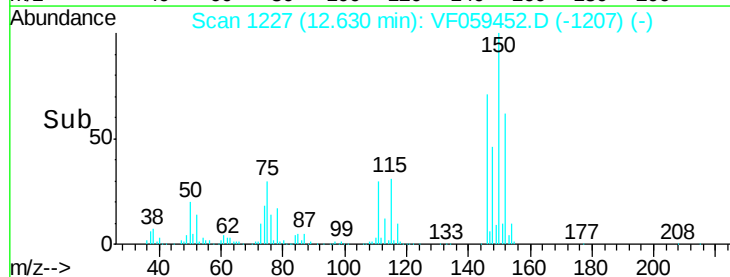
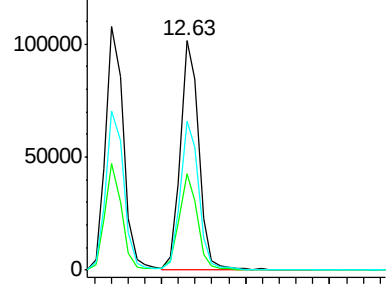


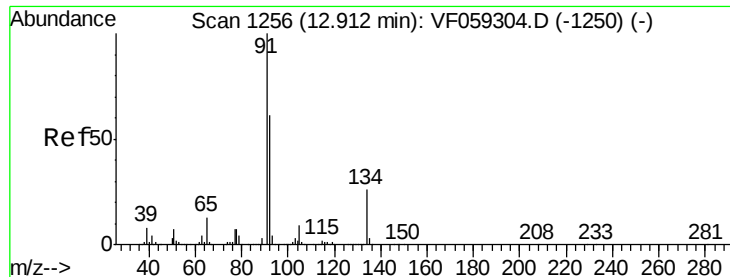
#88
 1,4-Dichlorobenzene
 Concen: 22.405 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Tgt Ion:146 Resp: 155071
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.7 62.1
 148 64.9 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 23.688 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

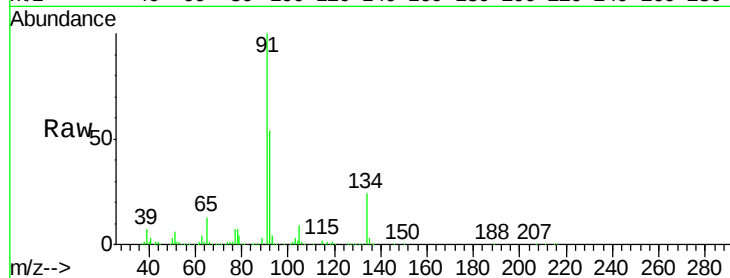
Tot Ion: 91 Resp: 327362

Ion Ratio Lower Upper

91 100

92 54.0 30.3 91.0

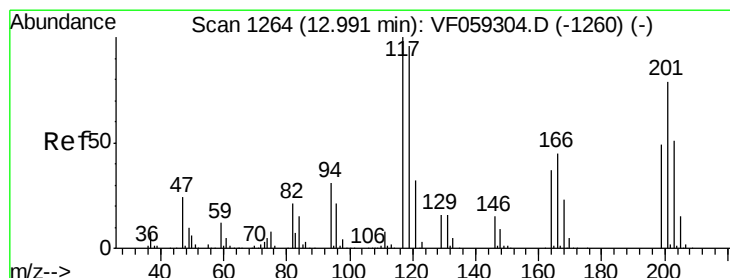
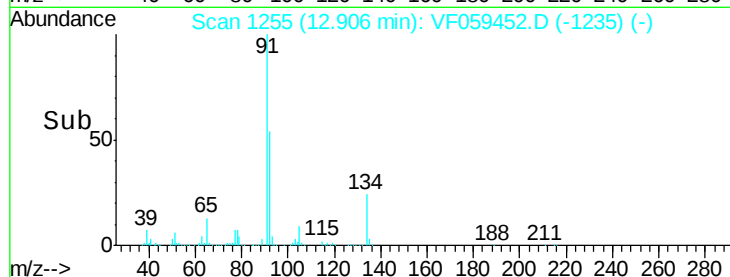
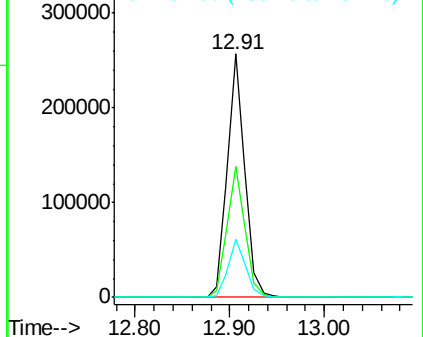
134 23.7 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 22.972 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF059452.D

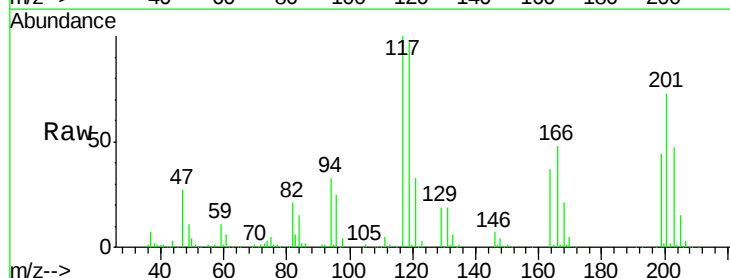
Acq: 6 Jul 2018 16:28

Tgt Ion: 117 Resp: 77944

Ion Ratio Lower Upper

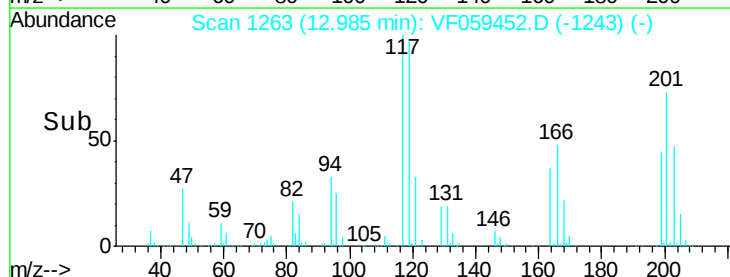
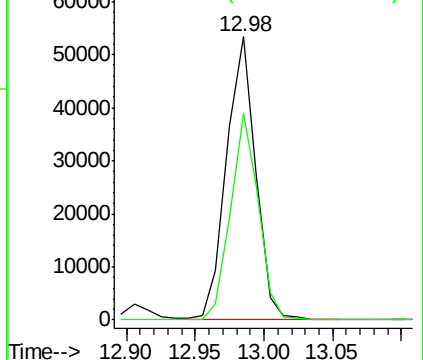
117 100

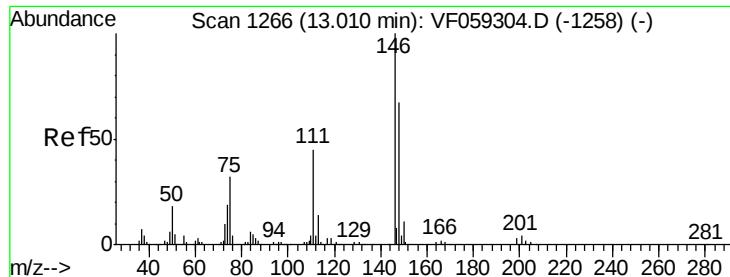
201 72.8 39.5 118.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

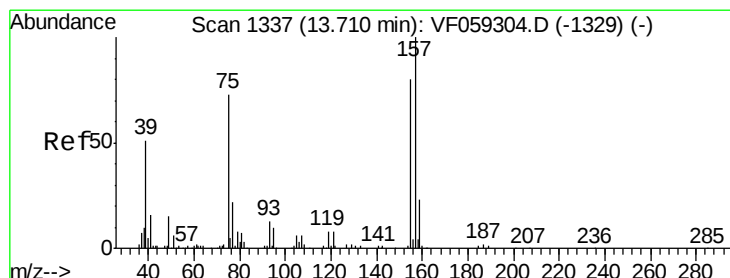
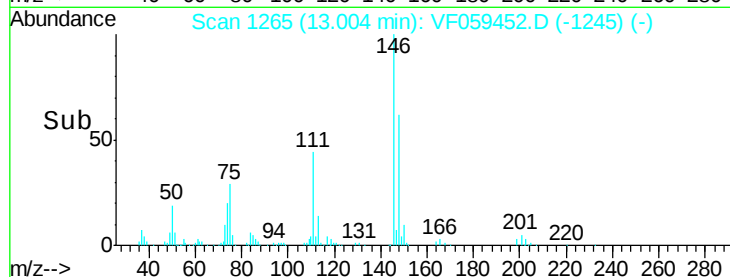
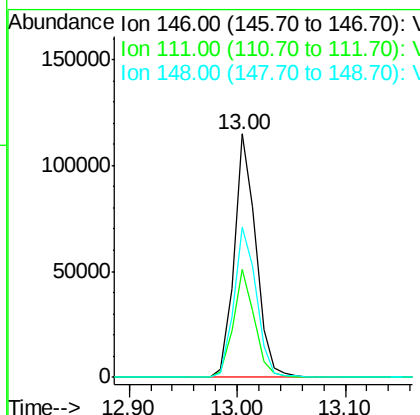
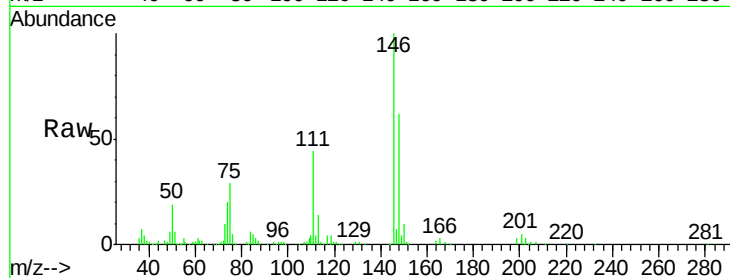




#91
 1,2-Dichlorobenzene
 Concen: 22.885 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

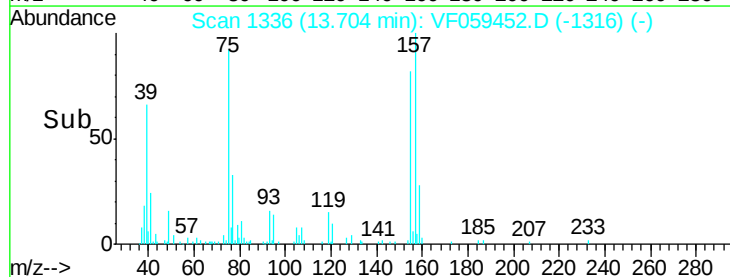
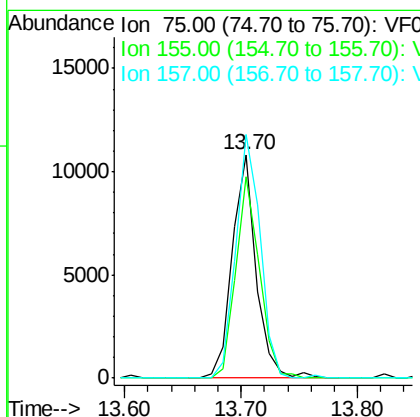
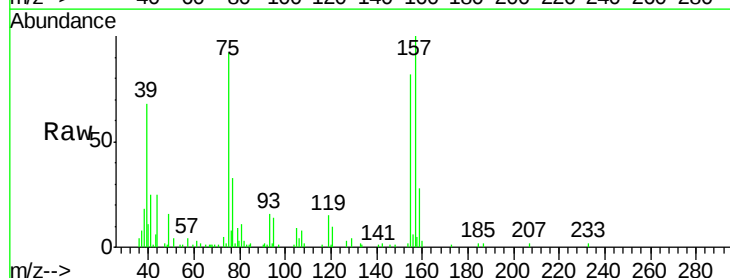
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

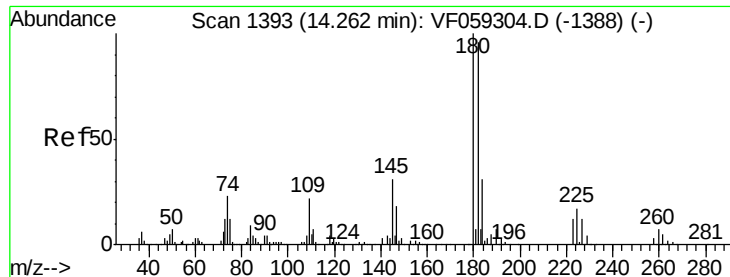
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.7	68.0
148	61.7	33.5	100.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.714 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	54.6	163.8
157	109.1	68.7	205.9

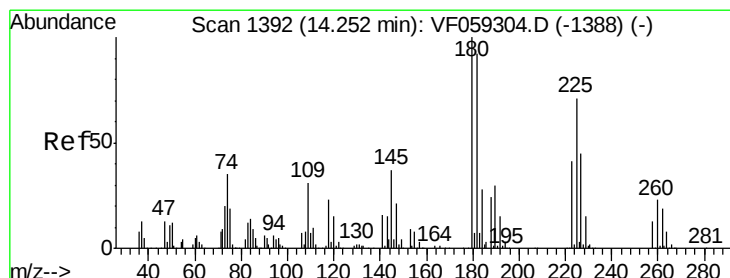
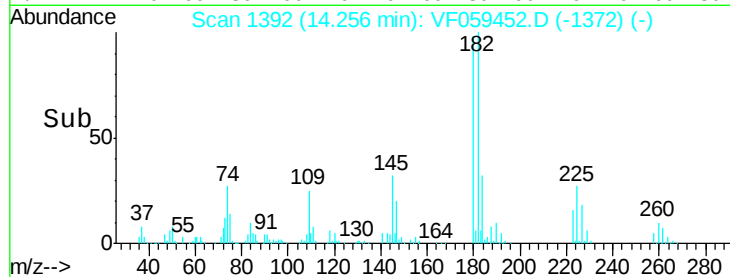
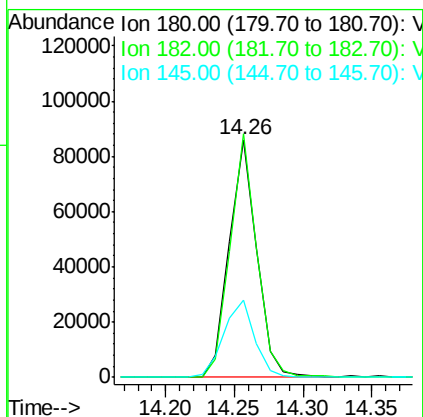
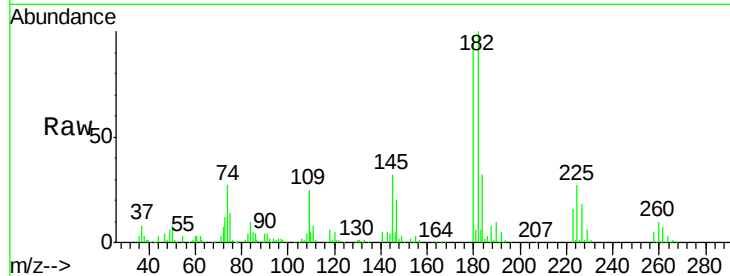




#93
 1,2,4-Trichlorobenzene
 Concen: 23.120 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

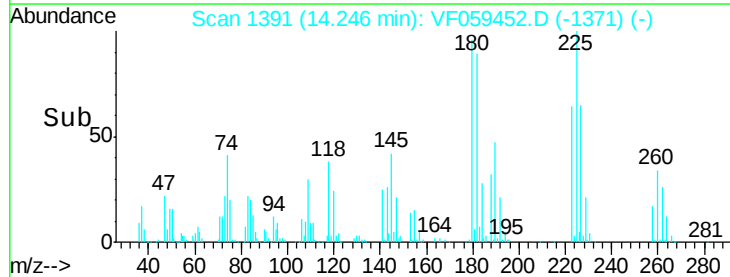
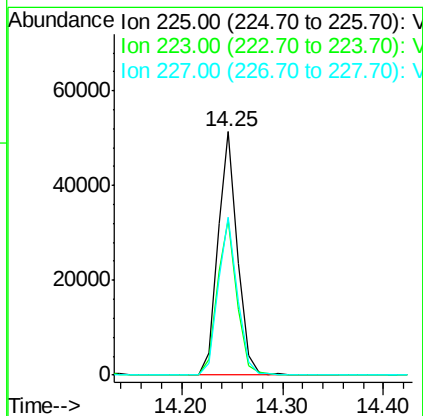
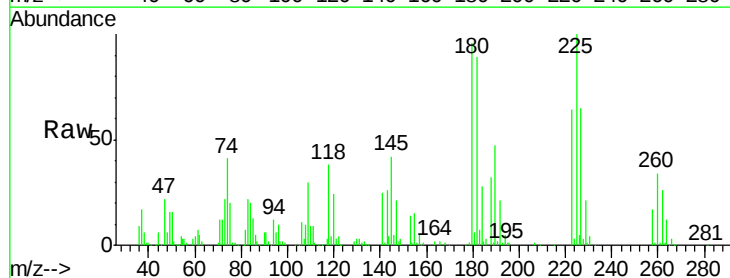
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

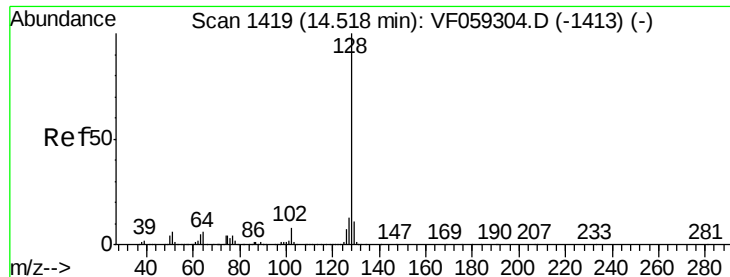
Tot Ion	Ratio	Lower	Upper
180	100		
182	102.4	48.1	144.3
145	32.7	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 23.880 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	28.9	86.8
227	65.1	31.3	93.8





#95

Naphthalene

Concen: 22.212 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

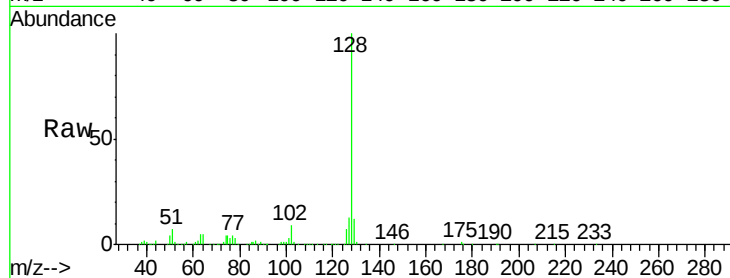
Tot Ion:128 Resp: 241768

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

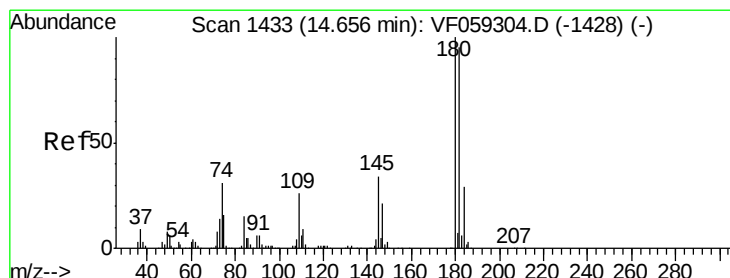
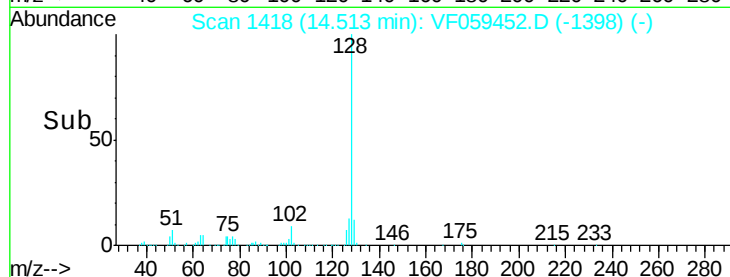
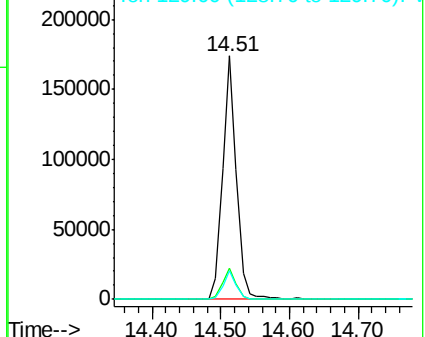
129 11.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.400 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

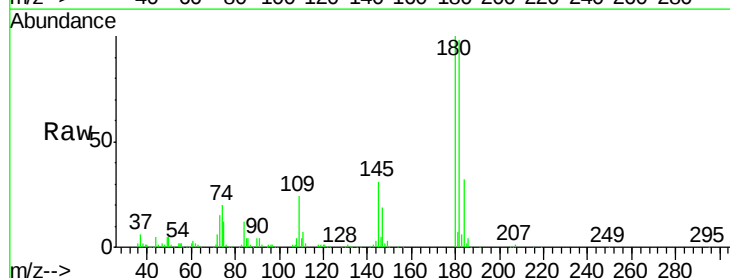
Tgt Ion:180 Resp: 115318

Ion Ratio Lower Upper

180 100

182 98.3 47.5 142.5

145 30.6 17.0 50.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

