

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056654.D
 Acq On : 23 Feb 2018 14:16
 Operator : JC/SY
 Sample : VF0223SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Quant Time: Feb 24 00:46:01 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.79	168	444421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.52	114	690209	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.69	117	686205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	360648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.76	65	269331	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	4.02	113	259498	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	7.47	98	742934	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	11.34	95	363592	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	90466	20.18	ug/l	94
3) Chloromethane	1.01	50	88840	17.77	ug/l	98
4) Vinyl Chloride	1.08	62	70433	19.83	ug/l	98
5) Bromomethane	1.25	94	42060	21.18	ug/l	91
6) Chloroethane	1.33	64	21925	14.94	ug/l #	84
7) Trichlorofluoromethane	1.39	101	25364	6.85	ug/l	98
8) Diethyl Ether	1.60	74	26890	20.24	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.77	101	66092	21.08	ug/l	93
10) Methyl Iodide	1.80	142	57646	9.86	ug/l	95
11) Tert butyl alcohol	2.51	59	42049	115.95	ug/l	96
12) 1,1-Dichloroethene	1.71	96	55646	19.27	ug/l	92
13) Acrolein	1.95	56	43427	111.87	ug/l	95
14) Allyl chloride	2.05	41	99189	19.98	ug/l	92
15) Acrylonitrile	2.88	53	95367	104.36	ug/l	94
16) Acetone	2.19	43	166003	104.99	ug/l	99
17) Carbon Disulfide	1.72	76	152665	20.27	ug/l #	92
18) Methyl Acetate	2.37	43	54172	14.79	ug/l	95
19) Methyl tert-butyl Ether	2.37	73	184546	21.61	ug/l	98
20) Methylene Chloride	2.13	84	65762	21.85	ug/l	95
21) trans-1,2-Dichloroethene	2.26	96	62432	20.52	ug/l	98
22) Diisopropyl ether	2.74	45	229370	20.61	ug/l	99
23) Vinyl Acetate	3.11	43	890223	98.30	ug/l	98
24) 1,1-Dichloroethane	2.81	63	127454	20.73	ug/l	99
25) 2-Butanone	4.24	43	260428	92.62	ug/l	99
26) 2,2-Dichloropropane	3.53	77	71622	21.05	ug/l	98
27) cis-1,2-Dichloroethene	3.40	96	96940	18.96	ug/l	95
28) Bromochloromethane	3.65	49	69048	18.73	ug/l #	88
29) Tetrahydrofuran	3.98	42	119995	92.17	ug/l	99
30) Chloroform	3.77	83	176005	20.00	ug/l	96
31) Cyclohexane	3.63	56	121752	18.44	ug/l	91
32) 1,1,1-Trichloroethane	4.02	97	115796	21.72	ug/l	96
36) 1,1-Dichloropropene	4.20	75	133490	20.54	ug/l	100
37) Ethyl Acetate	4.03	43	108846	18.73	ug/l #	88
38) Carbon Tetrachloride	3.91	117	102900	21.27	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.38	83	138778	19.74	ug/l	97
40) Benzene	4.55	78	321732	19.52	ug/l	95
41) Methacrylonitrile	4.66	41	53236	18.87	ug/l #	95
42) 1,2-Dichloroethane	4.86	62	136661	21.33	ug/l	95
43) Isopropyl Acetate	6.88	43	139308	19.55	ug/l	98
44) Trichloroethene	5.43	130	96300	19.91	ug/l	99
45) 1,2-Dichloropropane	6.15	63	91401	19.46	ug/l	93
46) Dibromomethane	6.00	93	73169	20.25	ug/l	95
47) Bromodichloromethane	6.30	83	133463	19.99	ug/l	97
48) Methyl methacrylate	6.63	41	85624	20.51	ug/l	95
49) 1,4-Dioxane	6.62	88	15492	360.01	ug/l	95
51) 4-Methyl-2-Pentanone	8.18	43	501583	102.93	ug/l	98
52) Toluene	7.54	92	212025	19.32	ug/l	94
53) t-1,3-Dichloropropene	8.19	75	139723	20.78	ug/l	96
54) cis-1,3-Dichloropropene	7.21	75	158431	20.25	ug/l	98
55) 1,1,2-Trichloroethane	8.40	97	86513	19.90	ug/l	95
56) Ethyl methacrylate	8.54	69	118411	20.85	ug/l	97
57) 1,3-Dichloropropane	8.76	76	148159	19.60	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.54	63	34759	45.02	ug/l	100
59) 2-Hexanone	9.40	43	394436	99.73	ug/l	99
60) Dibromochloromethane	8.62	129	109036	20.68	ug/l	99
61) 1,2-Dibromoethane	8.89	107	102355	20.33	ug/l	97
64) Tetrachloroethene	8.07	164	87142	17.64	ug/l	94
65) Chlorobenzene	9.71	112	253044	18.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.84	131	88810	19.16	ug/l	99
67) Ethyl Benzene	9.82	91	439366	19.16	ug/l	99
68) m/p-Xylenes	10.04	106	316961	37.79	ug/l	86
69) o-Xylene	10.64	106	172035	19.76	ug/l	93
70) Styrene	10.70	104	265257	19.23	ug/l	98
71) Bromoform	10.68	173	69409	18.71	ug/l #	95
73) Isopropylbenzene	11.05	105	462343	19.46	ug/l	95
74) N-amyl acetate	11.31	43	196469	18.49	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.62	83	137691	19.16	ug/l	97
76) 1,2,3-Trichloropropane	11.72	75	106863	19.38	ug/l	100
77) Bromobenzene	11.42	156	122042	18.94	ug/l	98
78) n-propylbenzene	11.52	91	564361	19.28	ug/l	98
79) 2-Chlorotoluene	11.65	91	342366	19.87	ug/l	98
80) 1,3,5-Trimethylbenzene	11.76	105	393994	20.02	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.80	75	56032	18.55	ug/l	91
82) 4-Chlorotoluene	11.83	91	362264	19.32	ug/l	97
83) tert-Butylbenzene	12.06	119	379160	19.89	ug/l	99
84) 1,2,4-Trimethylbenzene	12.13	105	397814	19.38	ug/l	96
85) sec-Butylbenzene	12.23	105	519546	19.80	ug/l	97
86) p-Isopropyltoluene	12.39	119	422054	20.03	ug/l	98
87) 1,3-Dichlorobenzene	12.40	146	225743	19.05	ug/l	99
88) 1,4-Dichlorobenzene	12.49	146	223759	19.67	ug/l	98
89) n-Butylbenzene	12.77	91	446234	18.37	ug/l	95
90) Hexachloroethane	12.84	117	76745	18.95	ug/l	95
91) 1,2-Dichlorobenzene	12.86	146	219660	19.32	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.56	75	24244	18.11	ug/l	97

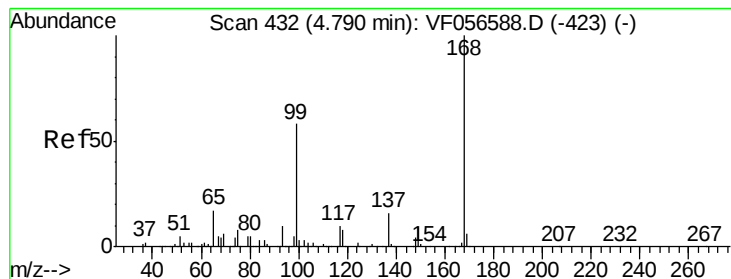
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.11	180	152999	19.82	ug/l	98
94) Hexachlorobutadiene	14.11	225	87388	19.85	ug/l	98
95) Naphthalene	14.37	128	382982	19.73	ug/l	97
96) 1,2,3-Trichlorobenzene	14.52	180	145581	19.52	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.79 min Scan# 432

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

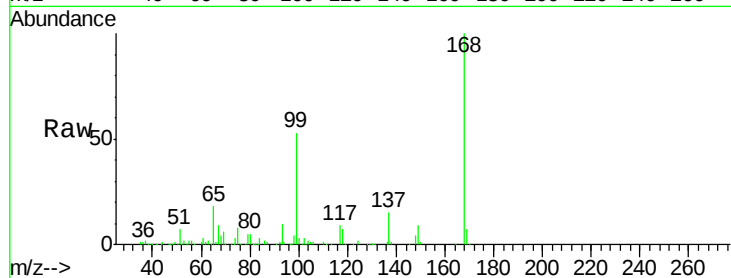
VF0223SBS01

Tgt Ion:168 Resp: 444421

Ion Ratio Lower Upper

168 100

99 53.1 46.2 69.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

150000

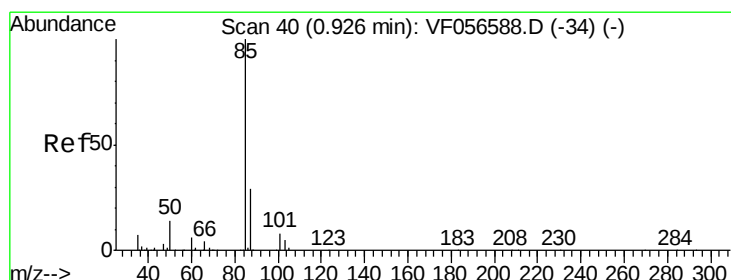
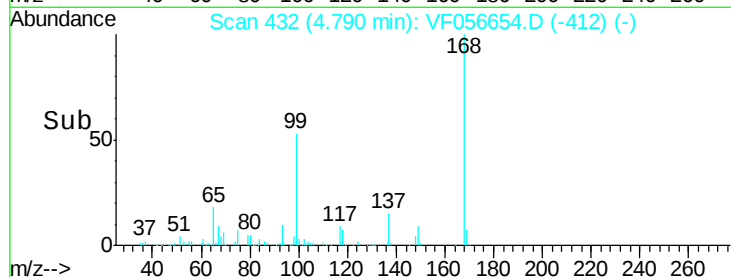
100000

50000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.18 ug/l

RT: 0.93 min Scan# 40

Delta R.T. -0.00 min

Lab File: VF056654.D

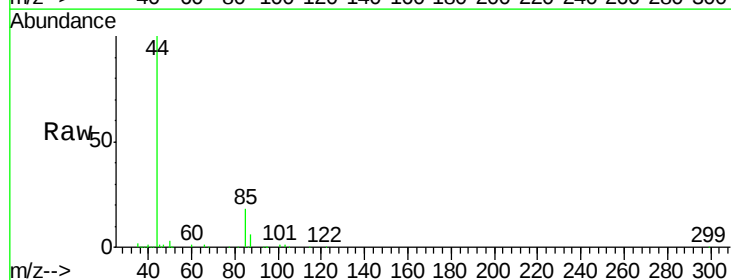
Acq: 23 Feb 2018 14:16

Tgt Ion: 85 Resp: 90466

Ion Ratio Lower Upper

85 100

87 32.4 14.7 44.1



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

25000

20000

15000

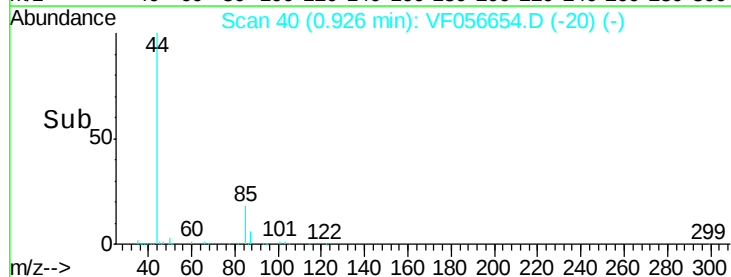
10000

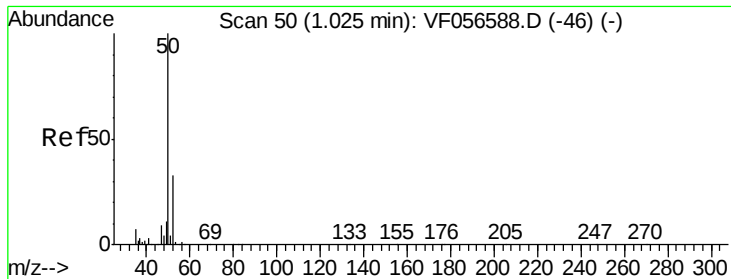
5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 17.77 ug/l

RT: 1.01 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

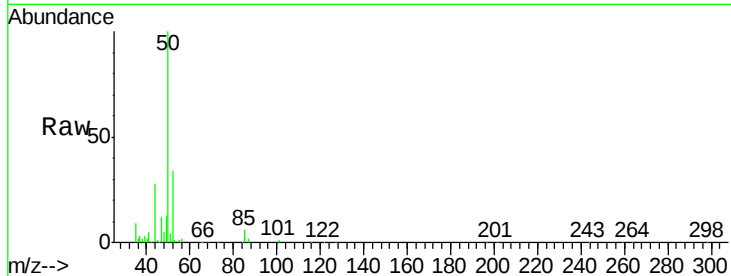
VF0223SBS01

Tgt Ion: 50 Resp: 88840

Ion Ratio Lower Upper

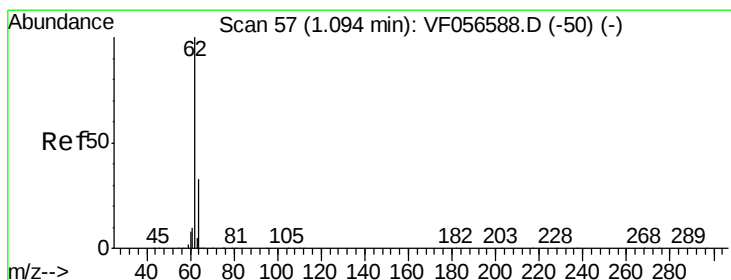
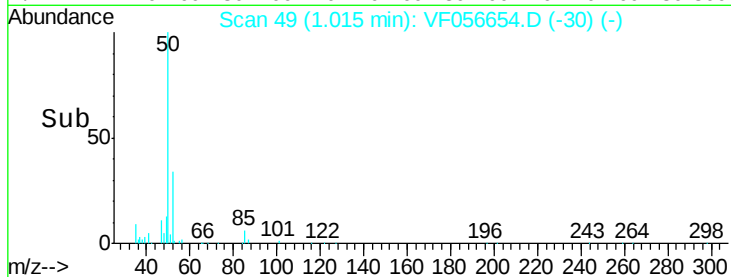
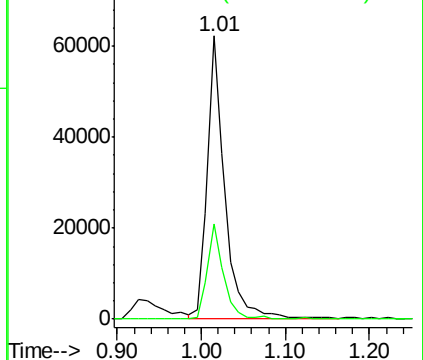
50 100

52 33.6 25.8 38.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 19.83 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF056654.D

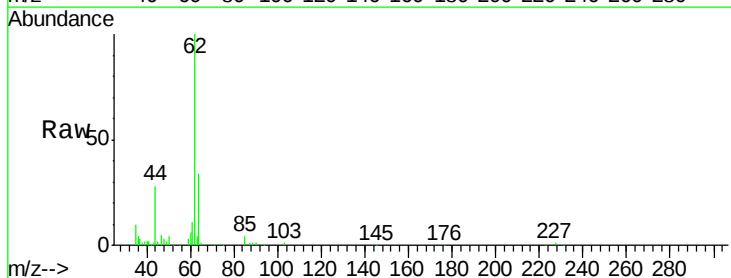
Acq: 23 Feb 2018 14:16

Tgt Ion: 62 Resp: 70433

Ion Ratio Lower Upper

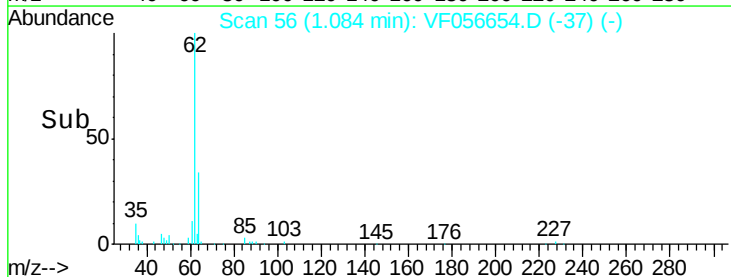
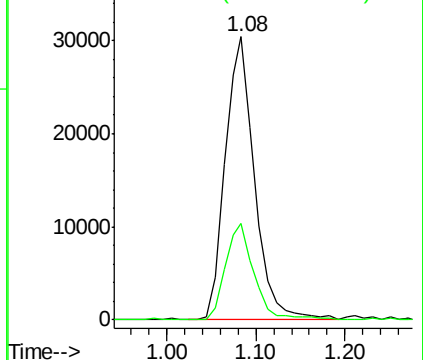
62 100

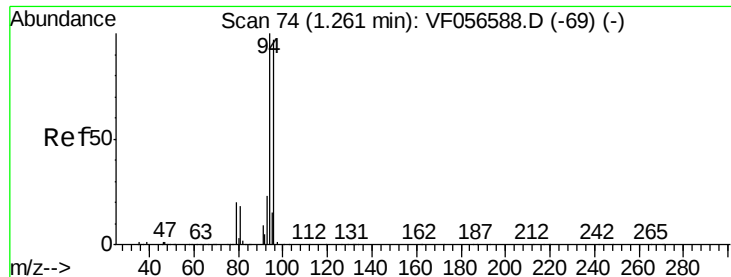
64 34.0 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.18 ug/l

RT: 1.25 min Scan# 73

Delta R.T. -0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

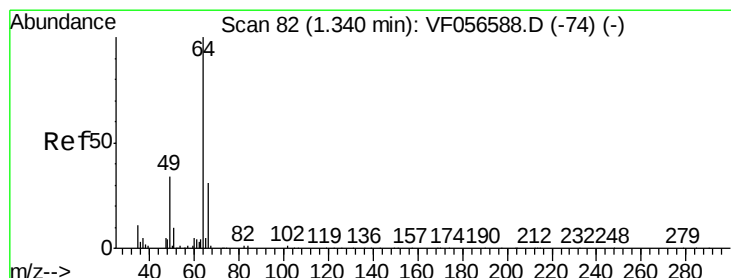
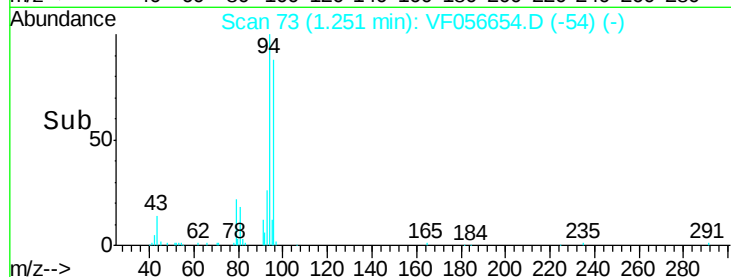
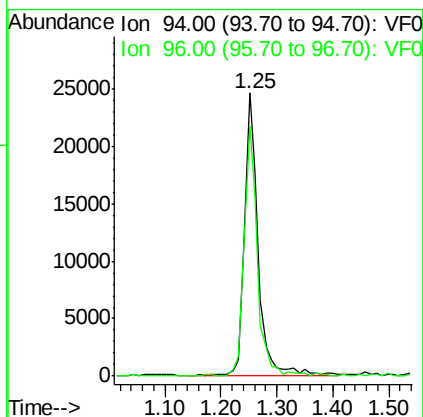
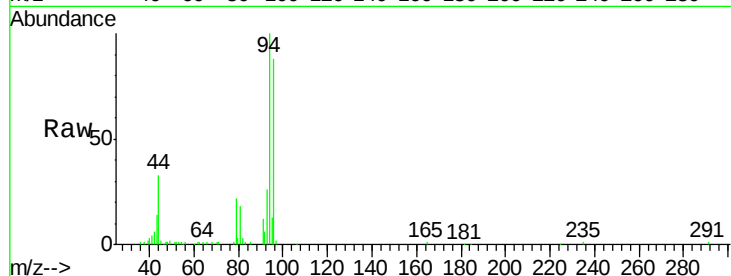
VF0223SBS01

Tgt Ion: 94 Resp: 42060

Ion Ratio Lower Upper

94 100

96 88.3 77.4 116.0



#6

Chloroethane

Concen: 14.94 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF056654.D

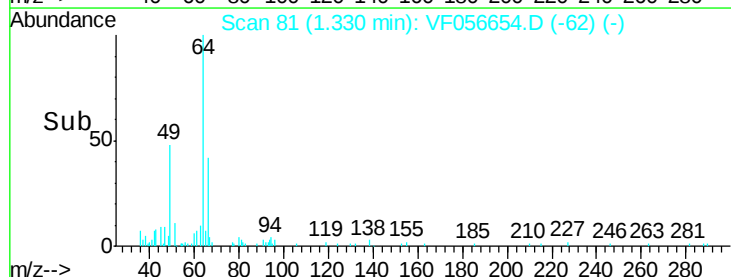
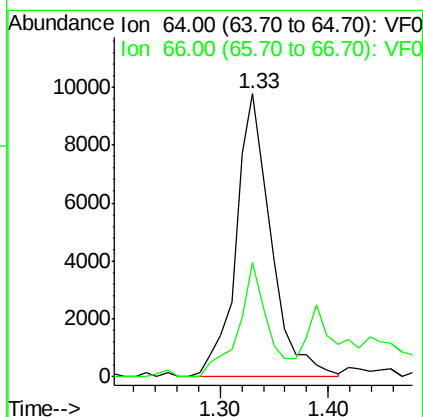
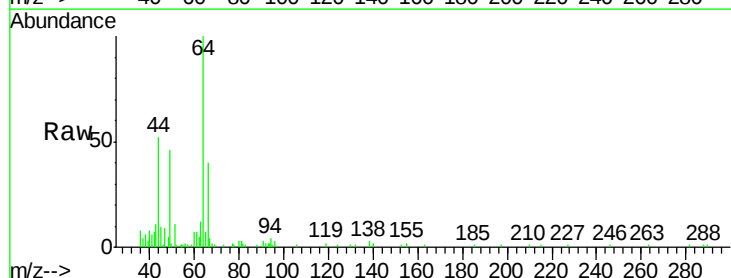
Acq: 23 Feb 2018 14:16

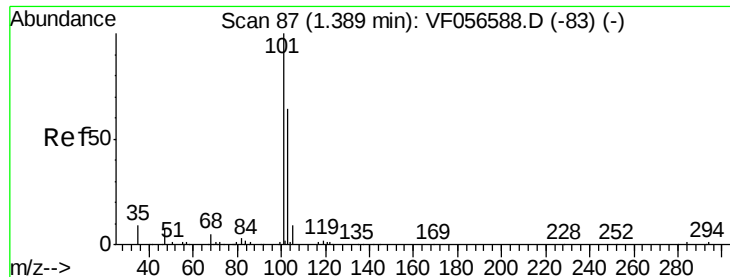
Tgt Ion: 64 Resp: 21925

Ion Ratio Lower Upper

64 100

66 40.5 25.4 38.2#





#7

Trichlorofluoromethane

Concen: 6.85 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

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ClientSampleId :

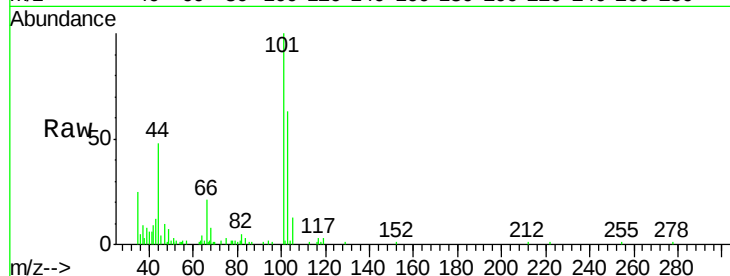
VF0223SBS01

Tgt Ion:101 Resp: 25364

Ion Ratio Lower Upper

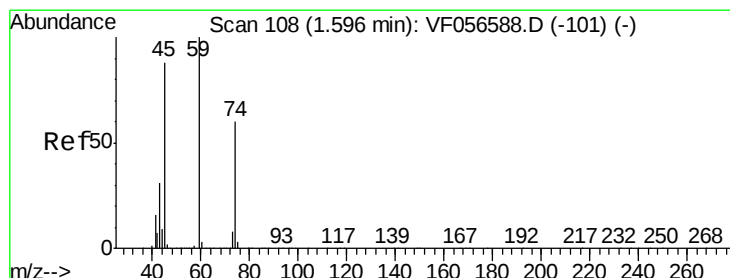
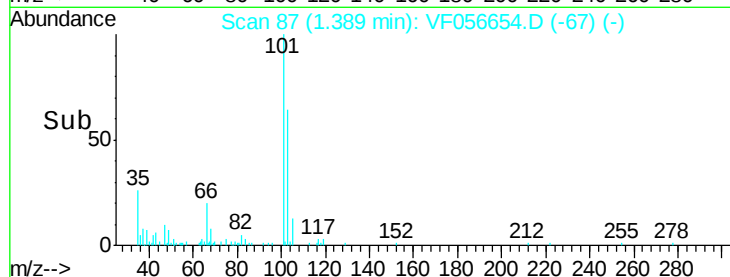
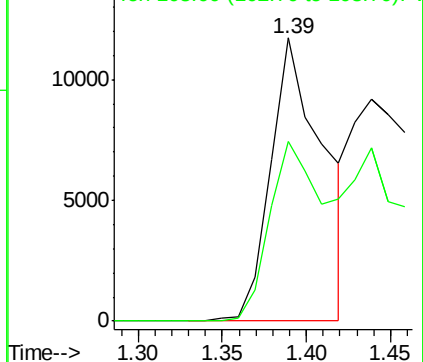
101 100

103 62.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.24 ug/l

RT: 1.60 min Scan# 108

Delta R.T. -0.00 min

Lab File: VF056654.D

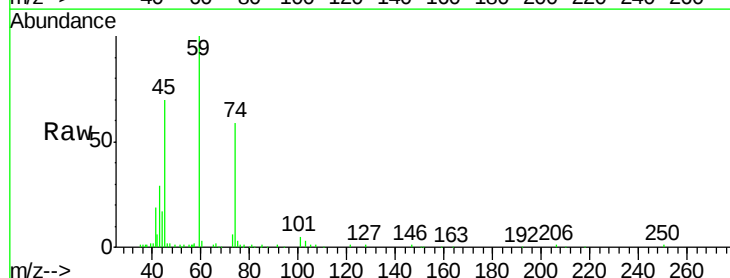
Acq: 23 Feb 2018 14:16

Tgt Ion: 74 Resp: 26890

Ion Ratio Lower Upper

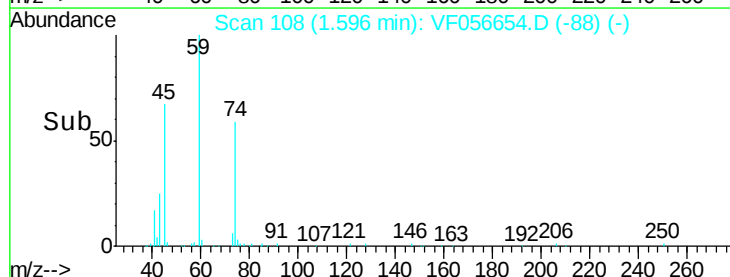
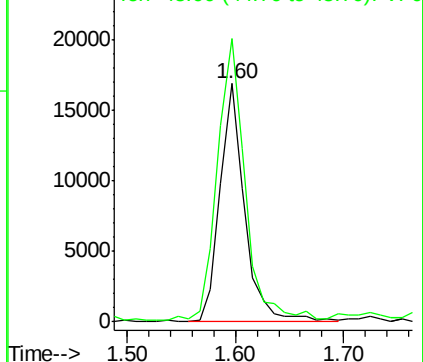
74 100

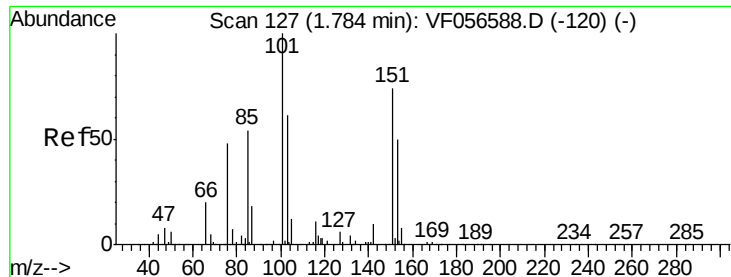
45 118.8 73.5 220.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.08 ug/l

RT: 1.77 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

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VF0223SBS01

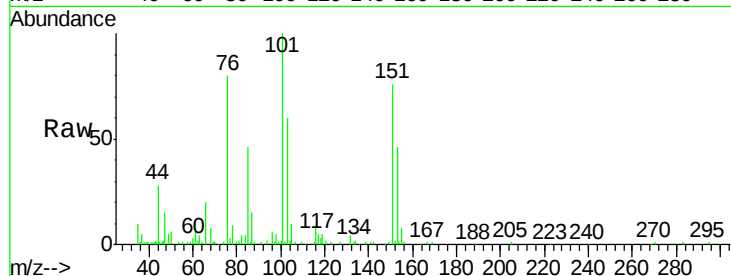
Tgt Ion:101 Resp: 66092

Ion Ratio Lower Upper

101 100

85 45.9 41.7 62.5

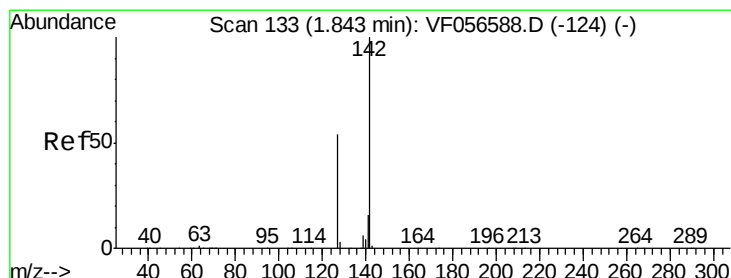
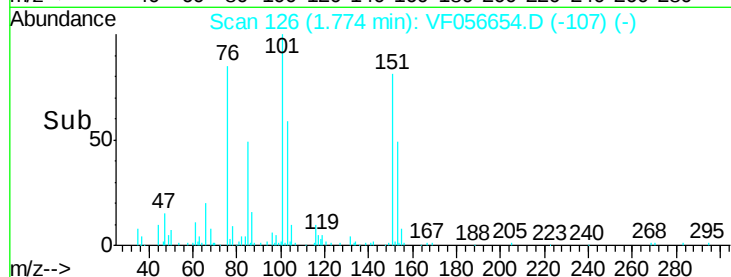
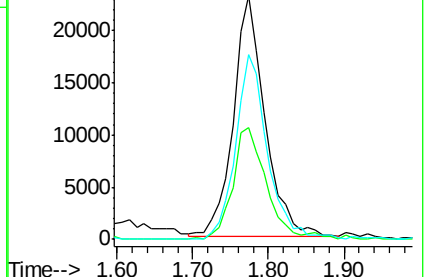
151 76.0 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 9.86 ug/l

RT: 1.80 min Scan# 129

Delta R.T. -0.04 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

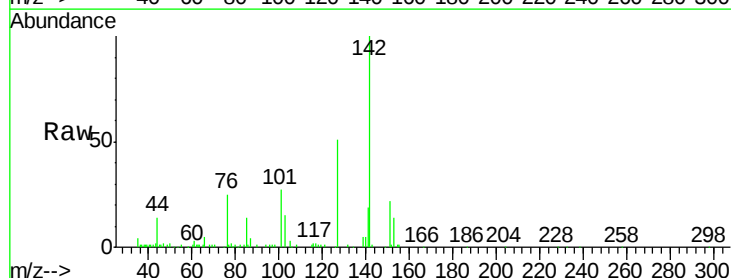
Tgt Ion:142 Resp: 57646

Ion Ratio Lower Upper

142 100

127 50.7 43.4 65.0

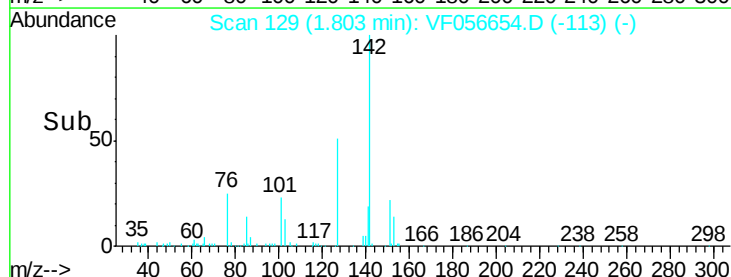
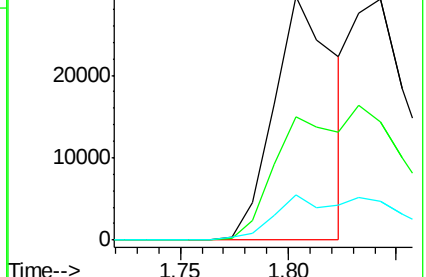
141 18.7 13.0 19.4

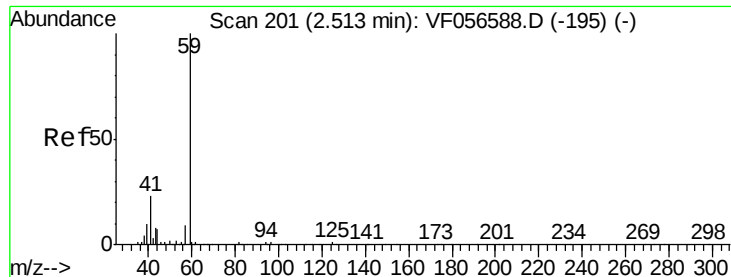


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

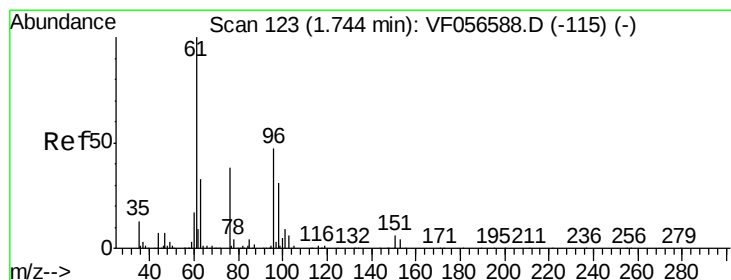
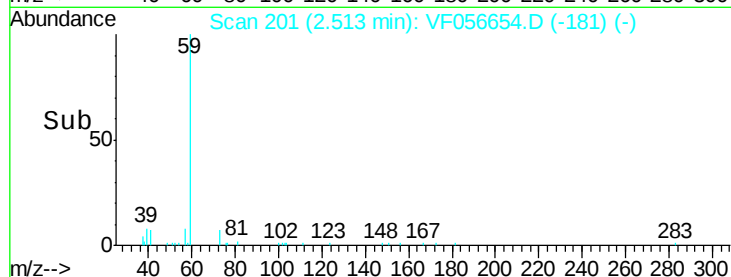
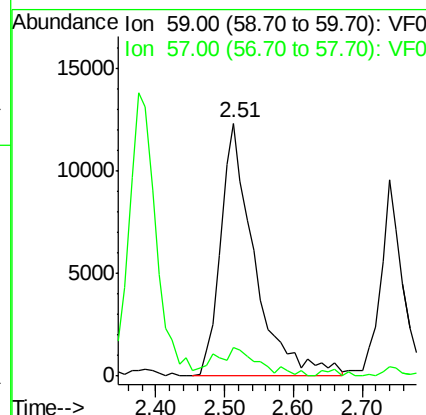
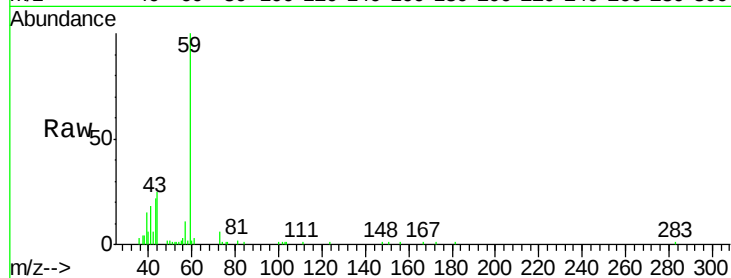




#11
Tert butyl alcohol
Concen: 115.95 ug/l
RT: 2.51 min Scan# 201
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

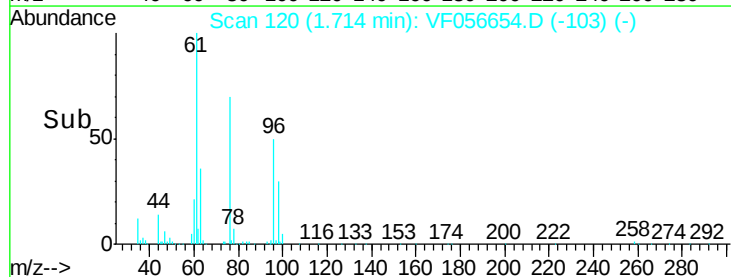
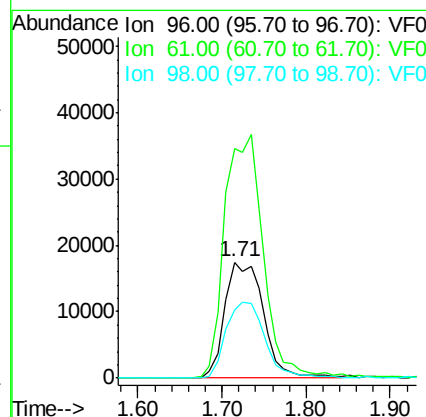
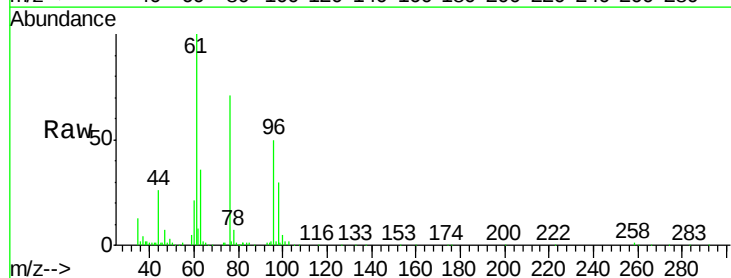
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

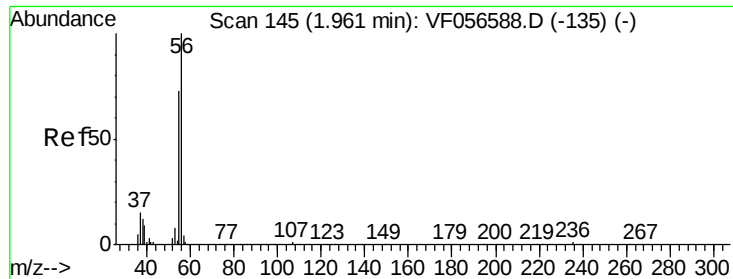
Tgt Ion: 59 Resp: 42049
Ion Ratio Lower Upper
59 100
57 11.2 10.3 15.5



#12
1,1-Dichloroethene
Concen: 19.27 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.03 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion: 96 Resp: 55646
Ion Ratio Lower Upper
96 100
61 198.1 168.8 253.2
98 59.3 52.2 78.4





#13

Acrolein

Concen: 111.87 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

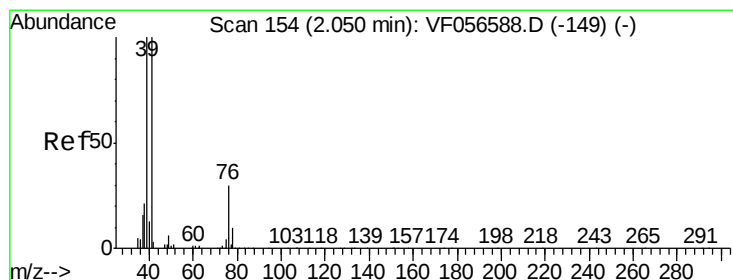
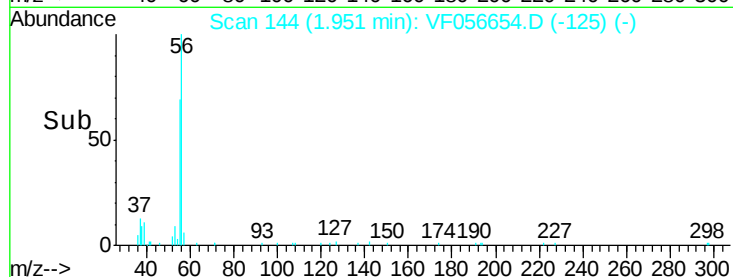
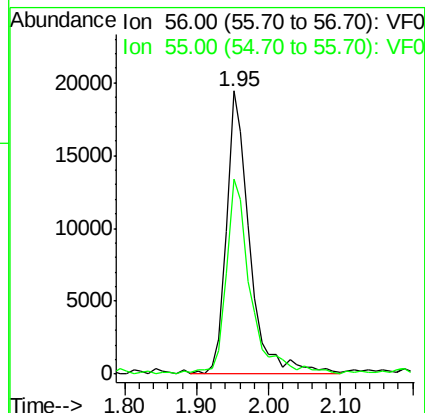
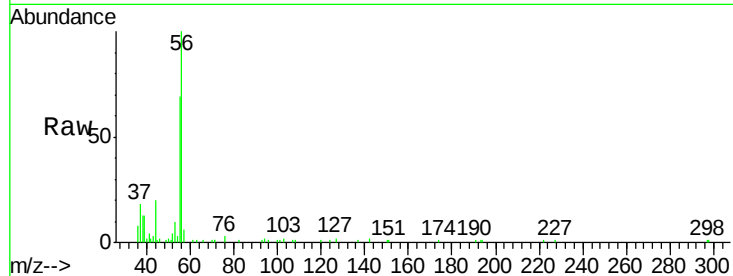
VF0223SBS01

Tgt Ion: 56 Resp: 43427

Ion Ratio Lower Upper

56 100

55 68.8 58.6 88.0



#14

Allyl chloride

Concen: 19.98 ug/l

RT: 2.05 min Scan# 154

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

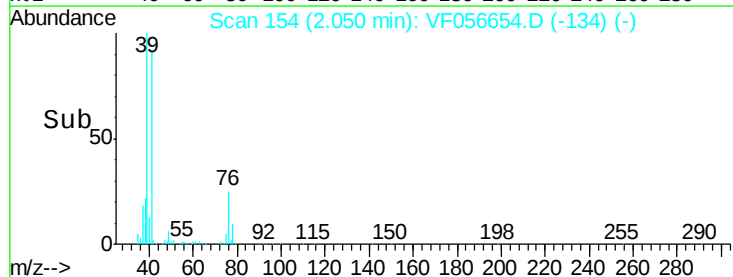
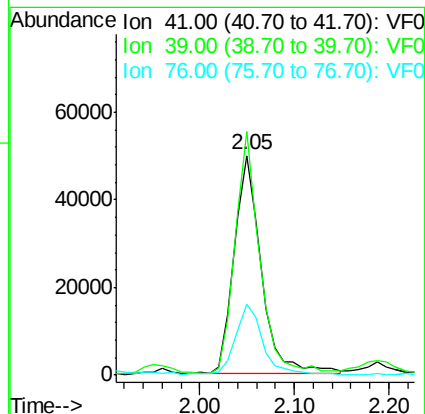
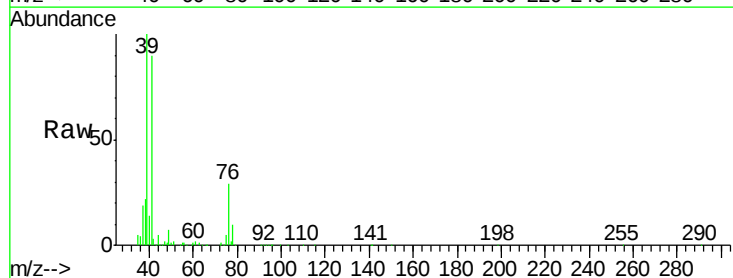
Tgt Ion: 41 Resp: 99189

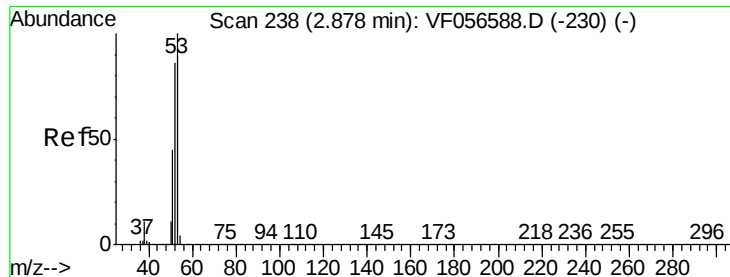
Ion Ratio Lower Upper

41 100

39 110.8 79.8 119.6

76 32.0 25.4 38.2





#15

Acrylonitrile

Concen: 104.36 ug/l

RT: 2.88 min Scan# 238

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

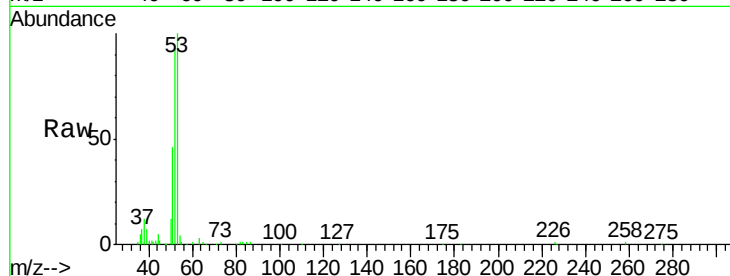
Tgt Ion: 53 Resp: 95367

Ion Ratio Lower Upper

53 100

52 93.1 68.4 102.6

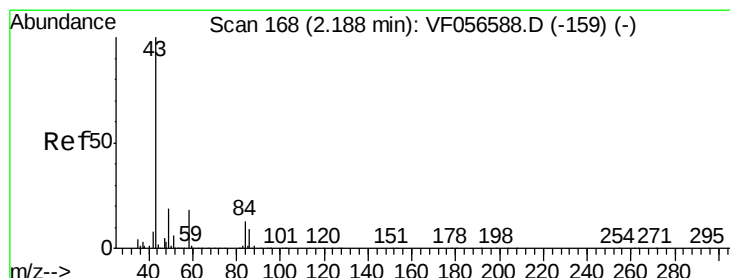
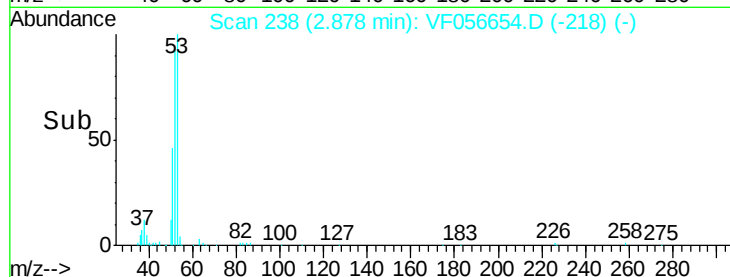
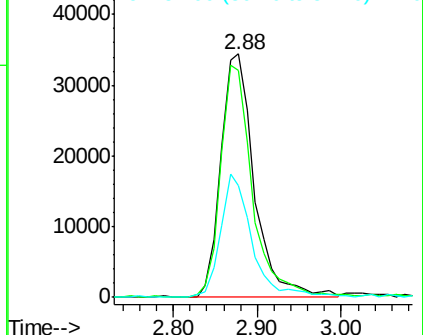
51 46.2 35.8 53.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 104.99 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF056654.D

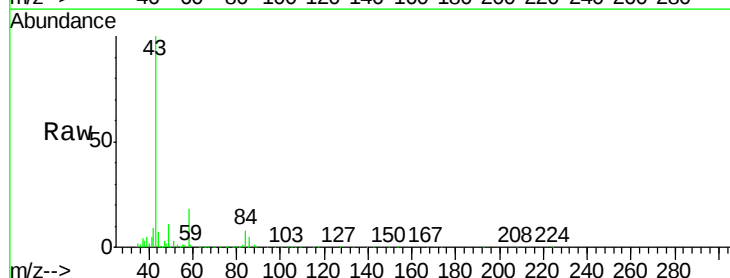
Acq: 23 Feb 2018 14:16

Tgt Ion: 43 Resp: 166003

Ion Ratio Lower Upper

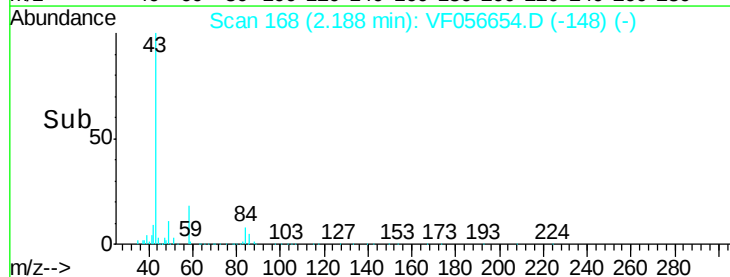
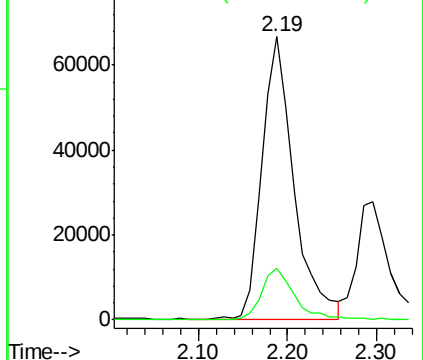
43 100

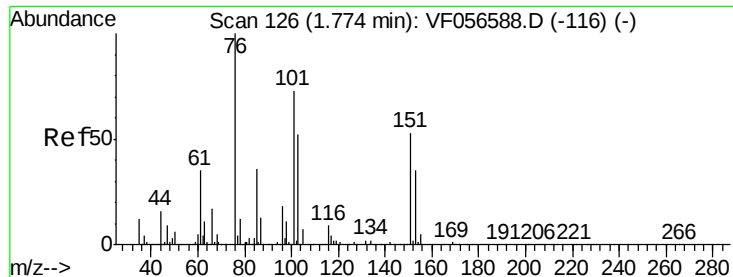
58 18.2 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 20.27 ug/l

RT: 1.72 min Scan# 121

Delta R.T. -0.05 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

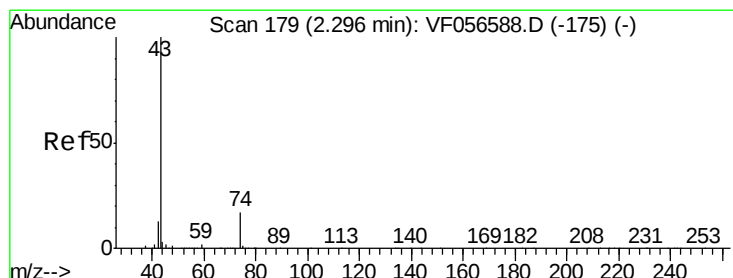
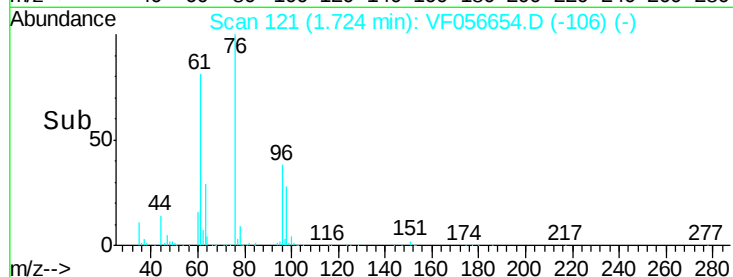
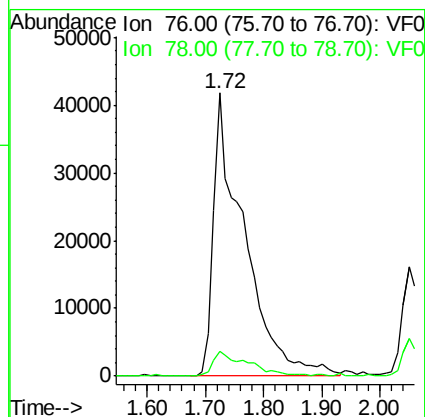
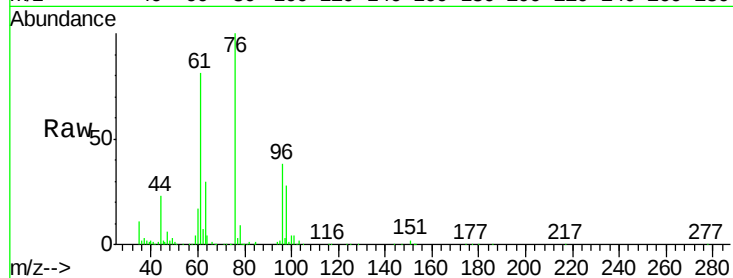
VF0223SBS01

Tgt Ion: 76 Resp: 152665

Ion Ratio Lower Upper

76 100

78 8.9 9.5 14.3#



#18

Methyl Acetate

Concen: 14.79 ug/l

RT: 2.37 min Scan# 187

Delta R.T. 0.08 min

Lab File: VF056654.D

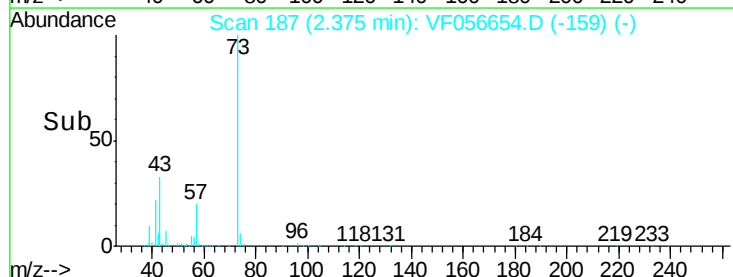
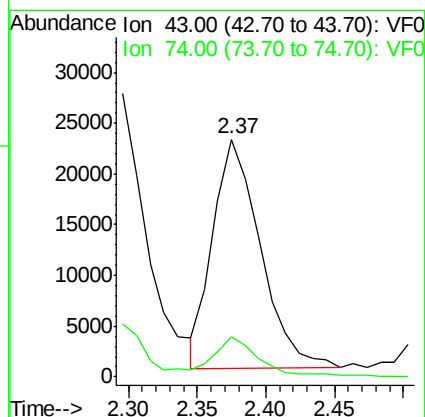
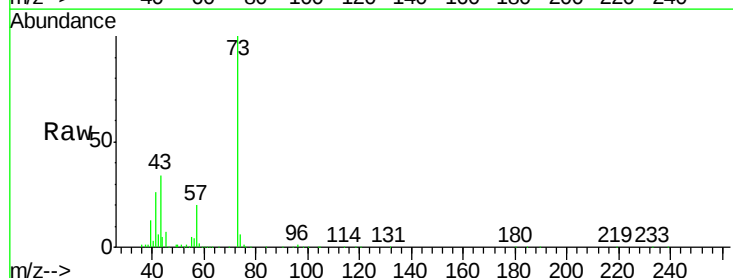
Acq: 23 Feb 2018 14:16

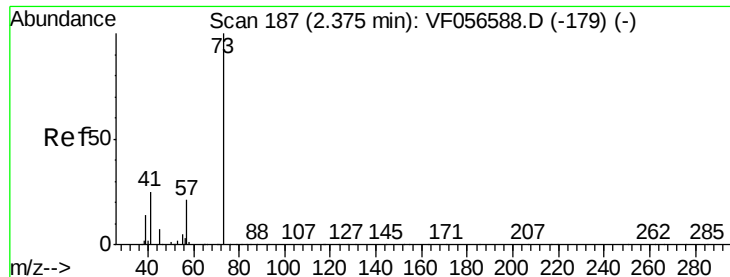
Tgt Ion: 43 Resp: 54172

Ion Ratio Lower Upper

43 100

74 17.0 12.0 18.0



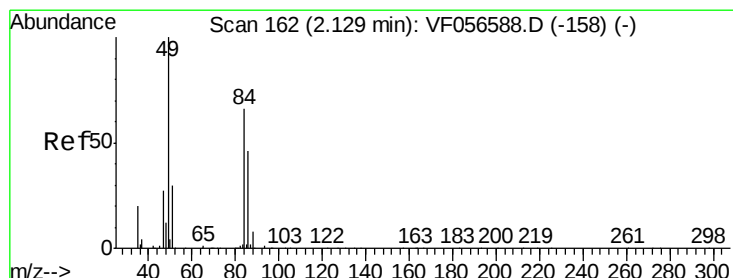
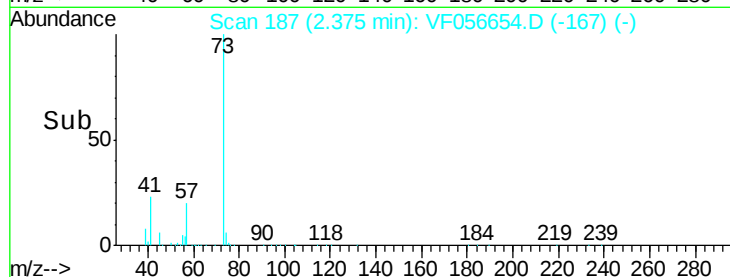
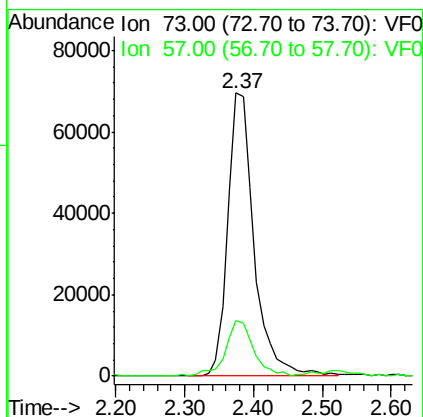
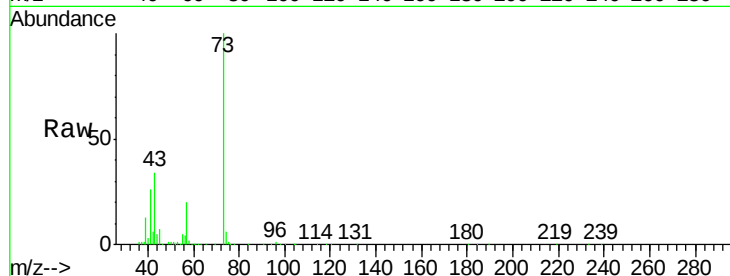


#19

Methyl tert-butyl Ether
Concen: 21.61 ug/l
RT: 2.37 min Scan# 187
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

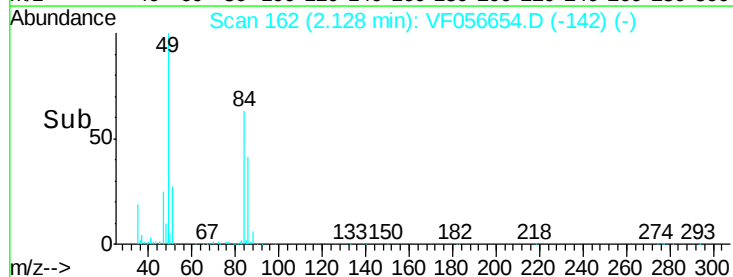
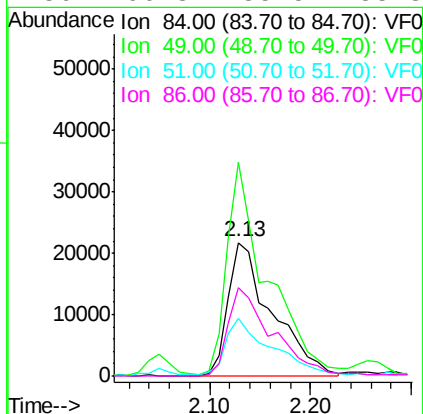
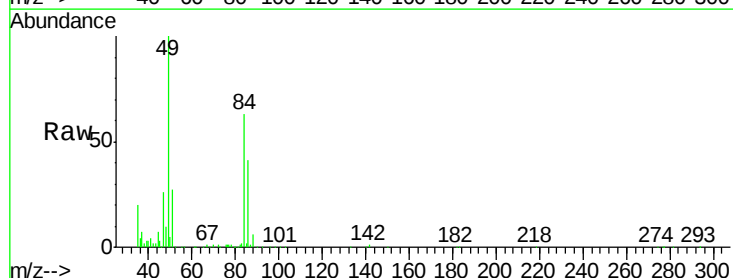
Tgt Ion: 73 Resp: 184546
Ion Ratio Lower Upper
73 100
57 19.8 16.7 25.1

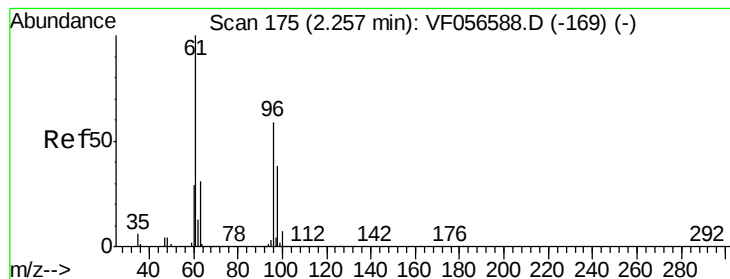


#20

Methylene Chloride
Concen: 21.85 ug/l
RT: 2.13 min Scan# 162
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion: 84 Resp: 65762
Ion Ratio Lower Upper
84 100
49 160.0 121.4 182.0
51 43.5 37.1 55.7
86 66.3 55.5 83.3





#21

trans-1,2-Dichloroethene

Concen: 20.52 ug/l

RT: 2.26 min Scan# 175

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

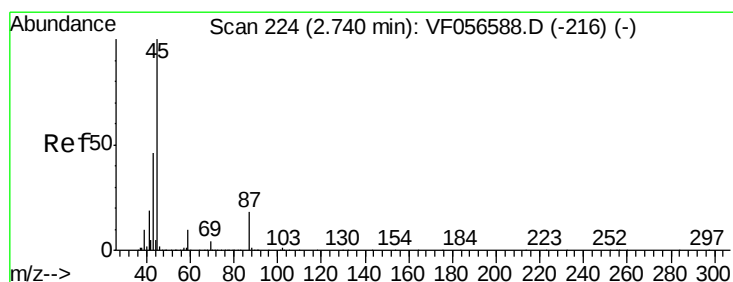
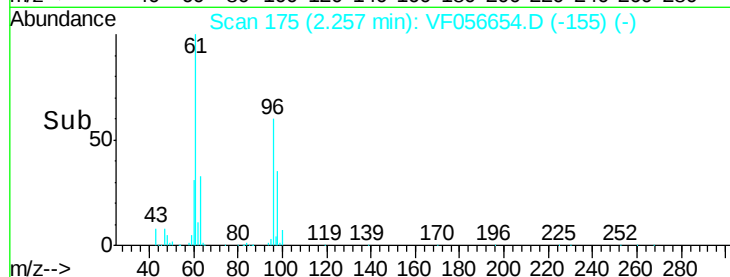
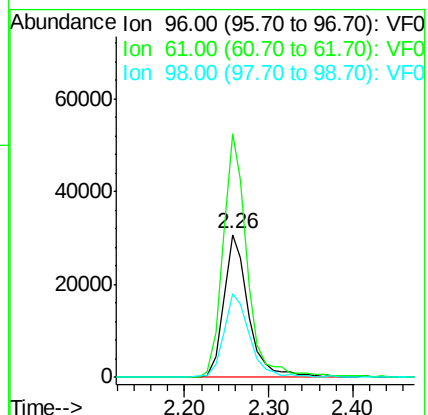
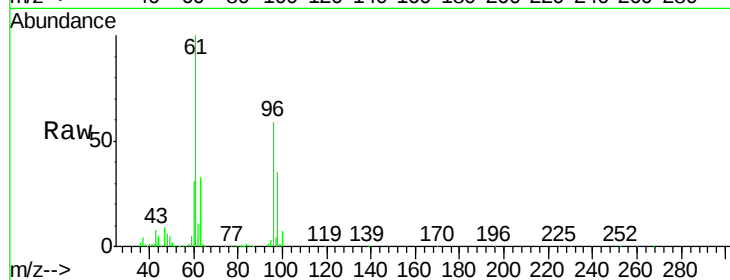
Tgt Ion: 96 Resp: 62432

Ion Ratio Lower Upper

96 100

61 170.2 136.4 204.6

98 58.9 51.4 77.0



#22

Diisopropyl ether

Concen: 20.61 ug/l

RT: 2.74 min Scan# 224

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion: 45 Resp: 229370

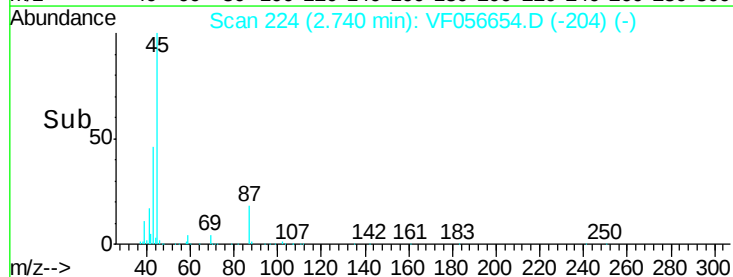
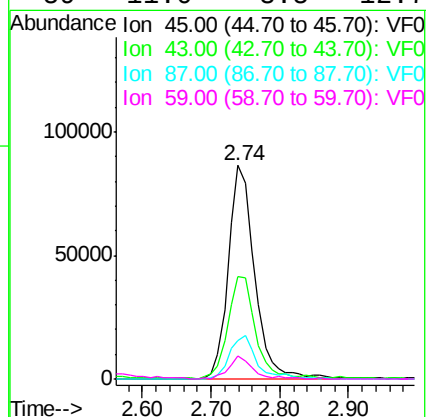
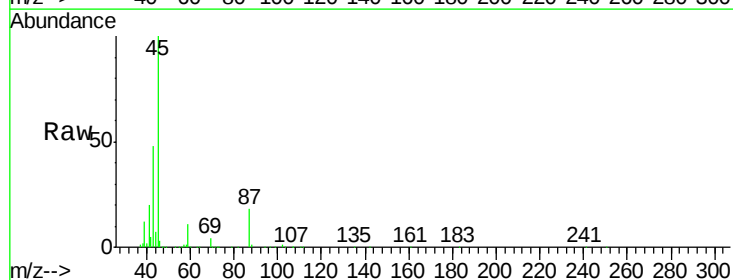
Ion Ratio Lower Upper

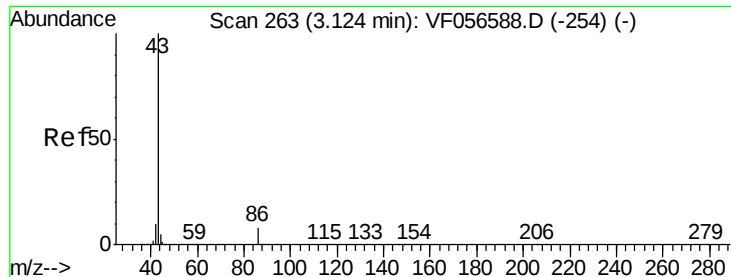
45 100

43 47.8 37.4 56.0

87 18.3 14.6 22.0

59 11.0 8.5 12.7





#23

Vinyl Acetate

Concen: 98.30 ug/l

RT: 3.11 min Scan# 262

Delta R.T. -0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

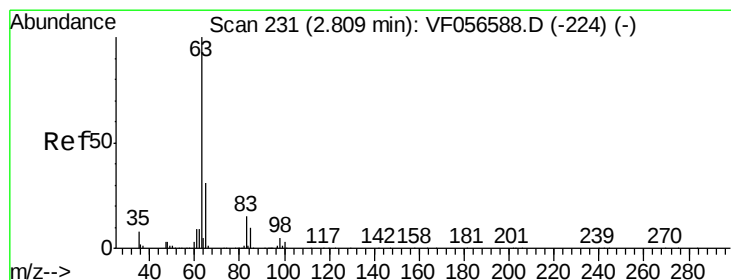
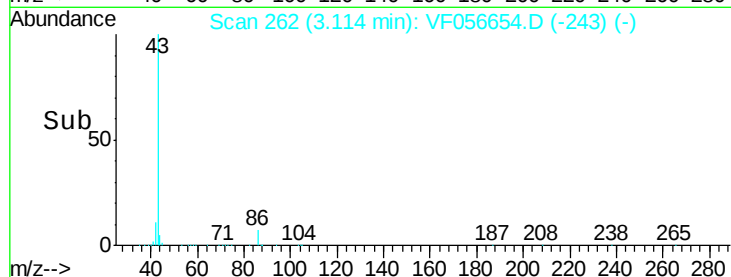
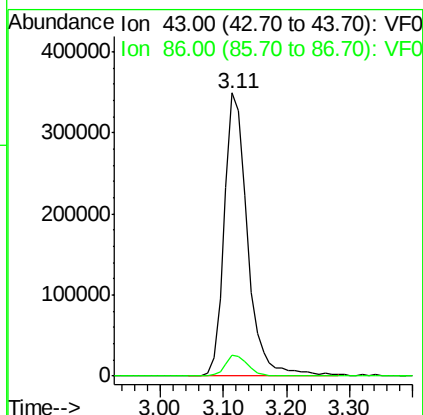
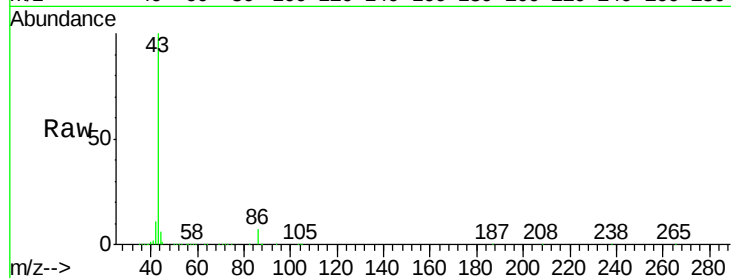
VF0223SBS01

Tgt Ion: 43 Resp: 890223

Ion Ratio Lower Upper

43 100

86 7.4 6.6 10.0



#24

1,1-Dichloroethane

Concen: 20.73 ug/l

RT: 2.81 min Scan# 231

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

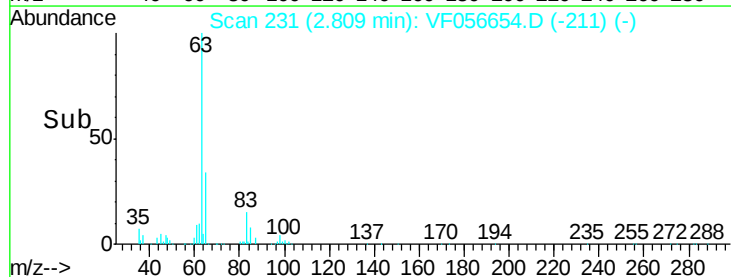
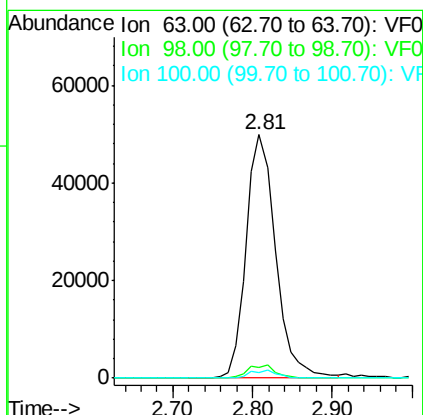
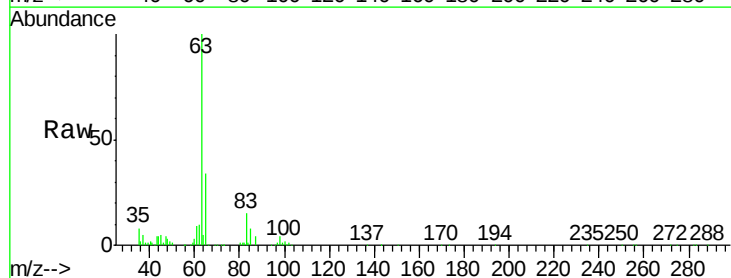
Tgt Ion: 63 Resp: 127454

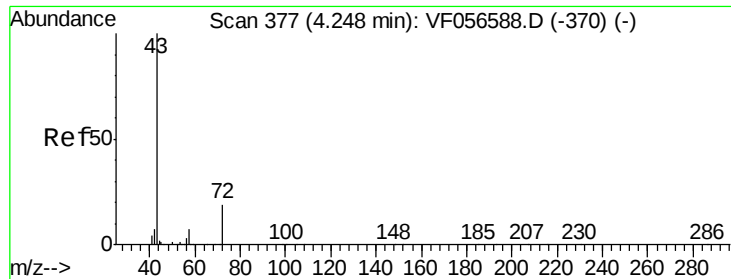
Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

100 2.4 1.6 4.7





#25

2-Butanone

Concen: 92.62 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

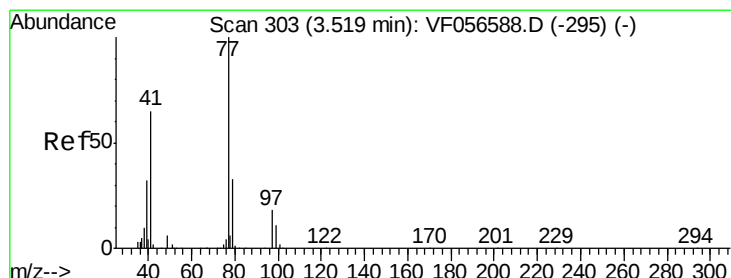
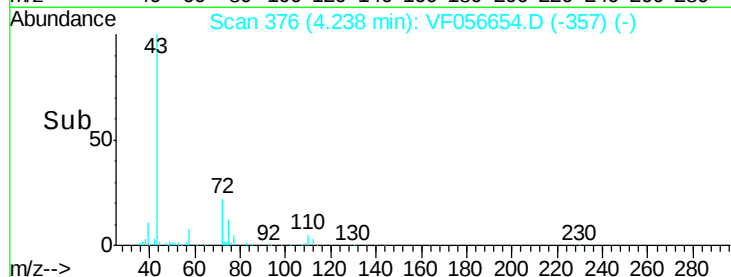
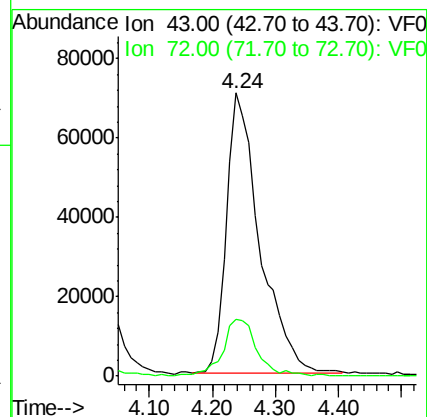
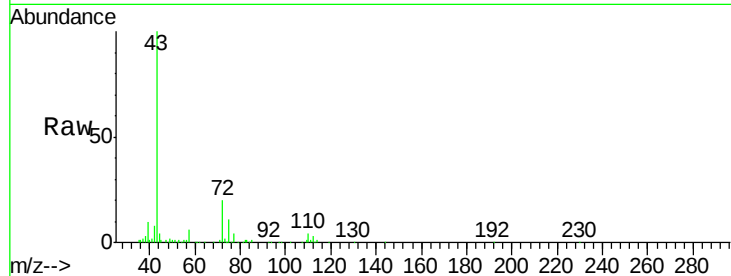
VF0223SBS01

Tgt Ion: 43 Resp: 260428

Ion Ratio Lower Upper

43 100

72 20.1 16.5 24.7



#26

2,2-Dichloropropane

Concen: 21.05 ug/l

RT: 3.53 min Scan# 304

Delta R.T. 0.01 min

Lab File: VF056654.D

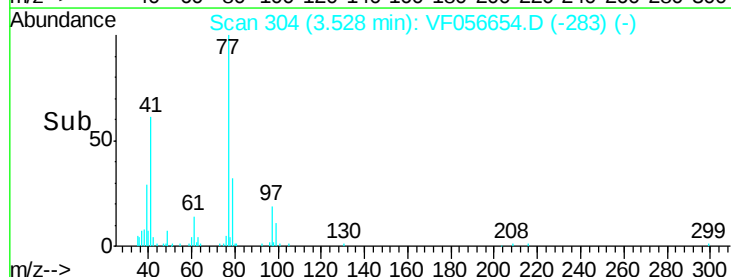
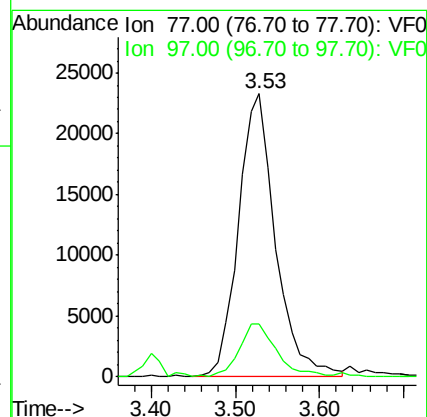
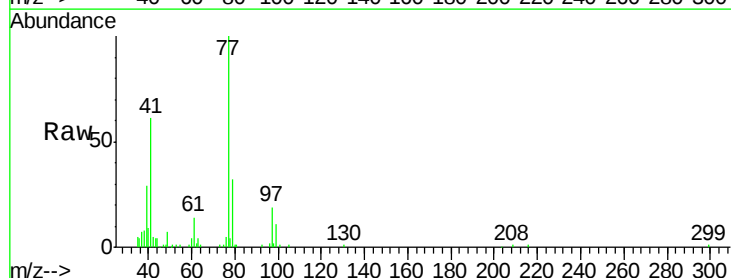
Acq: 23 Feb 2018 14:16

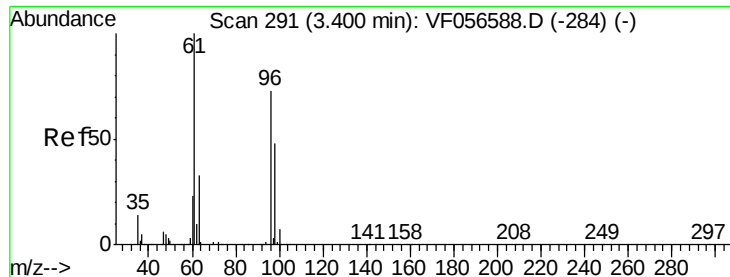
Tgt Ion: 77 Resp: 71622

Ion Ratio Lower Upper

77 100

97 18.9 9.8 29.5





#27

cis-1,2-Dichloroethene

Concen: 18.96 ug/l

RT: 3.40 min Scan# 291

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

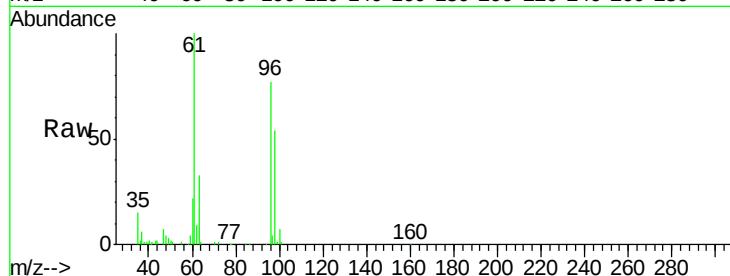
Tgt Ion: 96 Resp: 96940

Ion Ratio Lower Upper

96 100

61 130.7 0.0 272.6

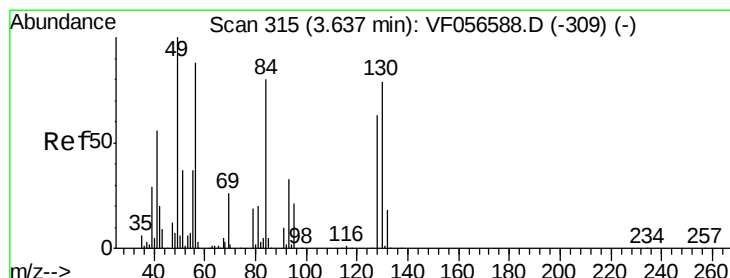
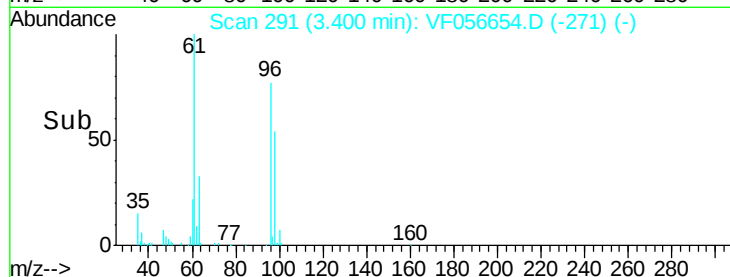
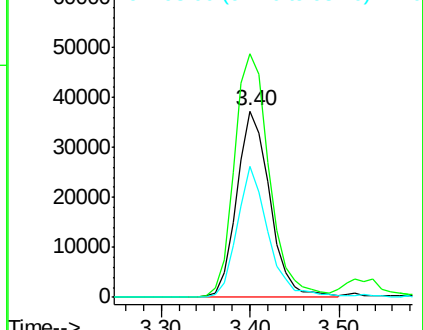
98 70.4 0.0 131.6



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane

Concen: 18.73 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

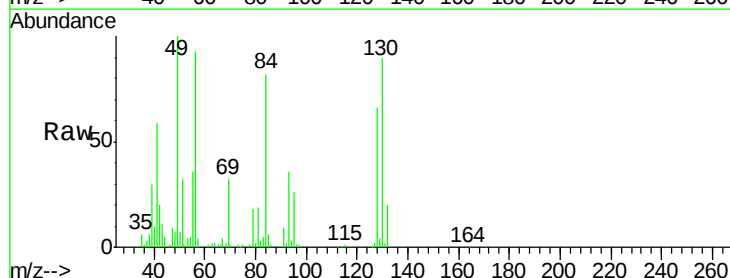
Tgt Ion: 49 Resp: 69048

Ion Ratio Lower Upper

49 100

129 3.6 0.0 0.0#

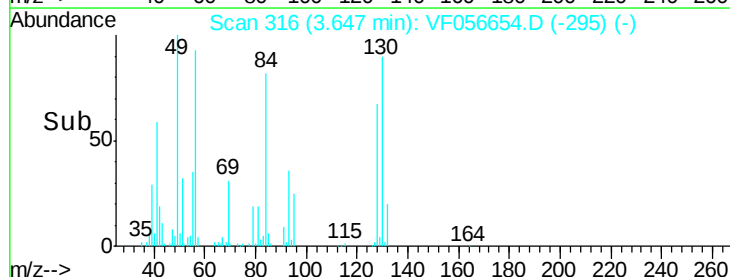
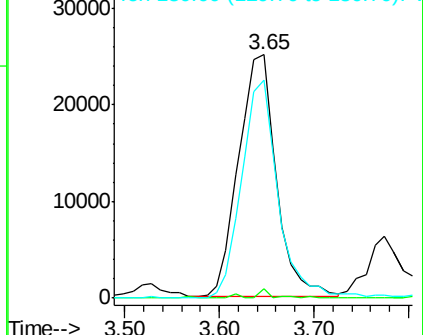
130 89.7 63.4 95.0

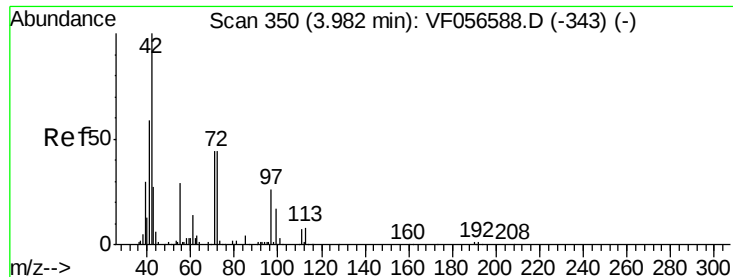


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

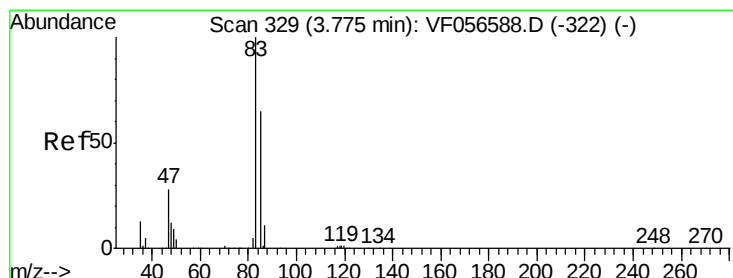
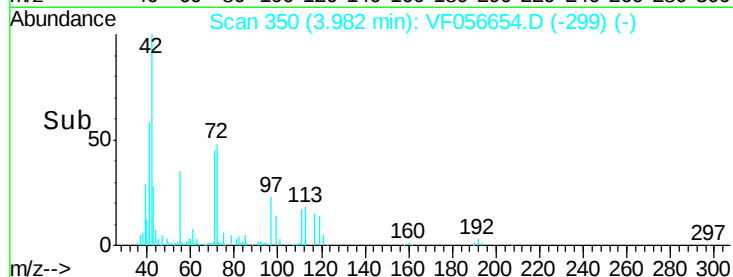
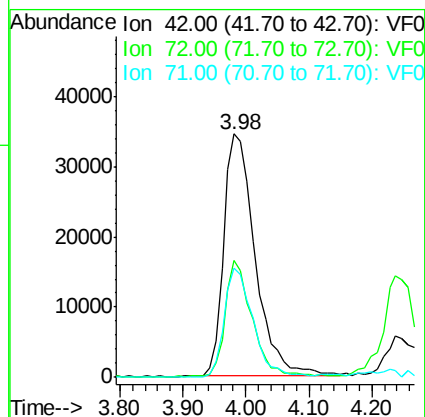
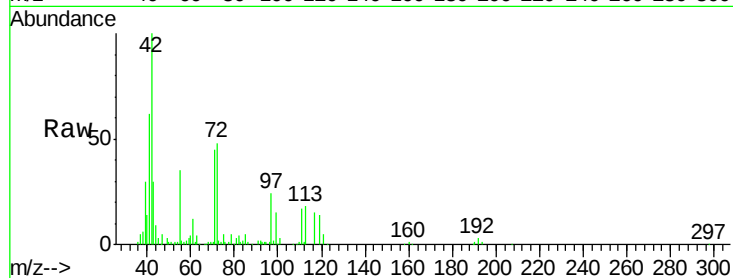




#29
Tetrahydrofuran
Concen: 92.17 ug/l
RT: 3.98 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

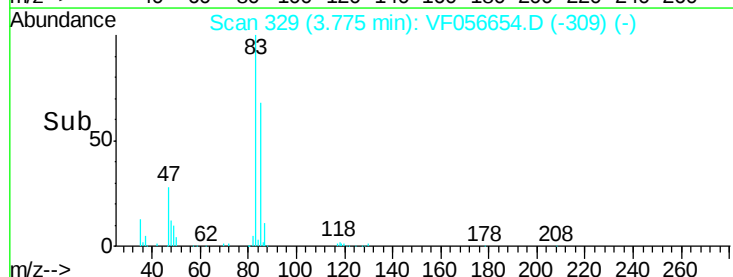
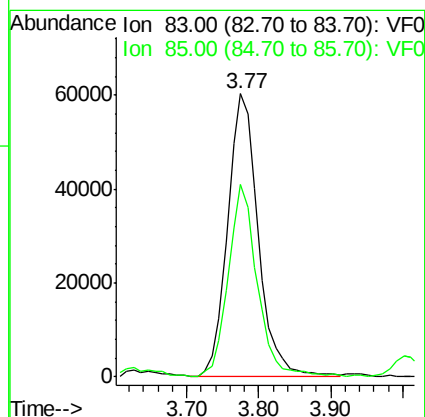
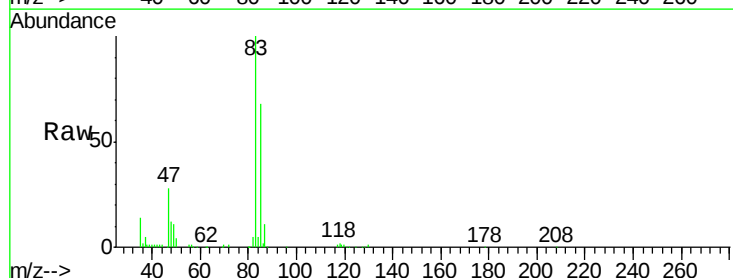
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

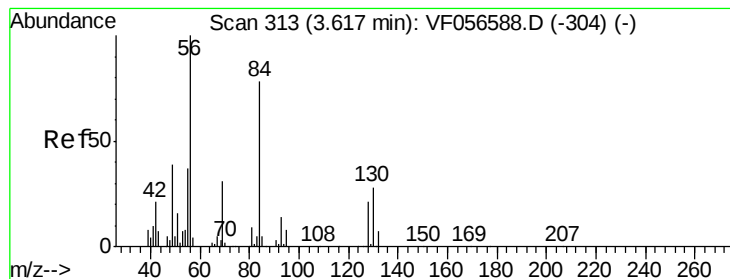
Tgt Ion: 42 Resp: 119995
Ion Ratio Lower Upper
42 100
72 41.6 34.1 51.1
71 41.0 32.8 49.2



#30
Chloroform
Concen: 20.00 ug/l
RT: 3.77 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion: 83 Resp: 176005
Ion Ratio Lower Upper
83 100
85 68.2 52.1 78.1





#31

Cyclohexane

Concen: 18.44 ug/l

RT: 3.63 min Scan# 314

Delta R.T. 0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

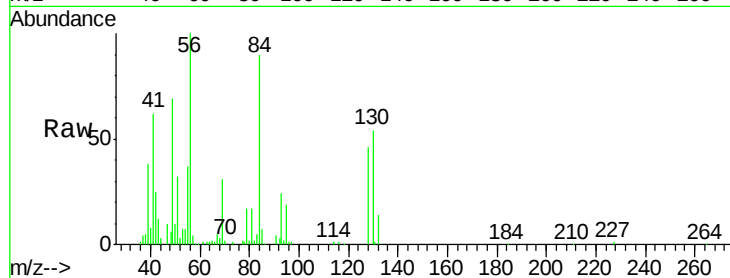
Tgt Ion: 56 Resp: 121752

Ion Ratio Lower Upper

56 100

69 31.0 24.7 37.1

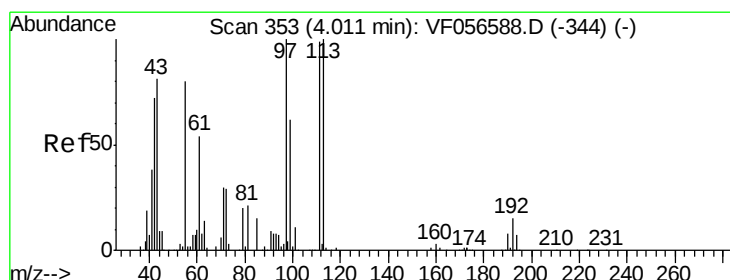
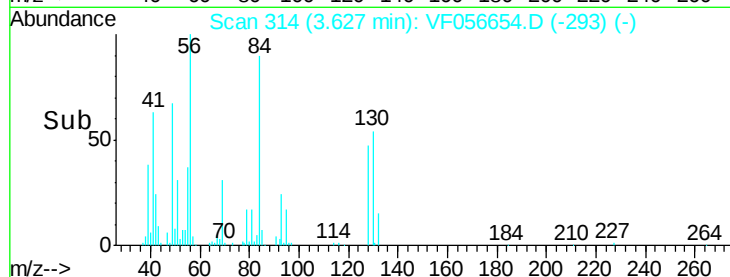
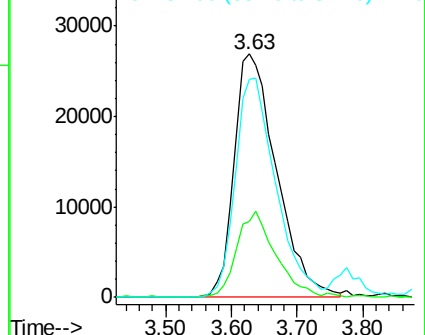
84 89.5 62.9 94.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 21.72 ug/l

RT: 4.02 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

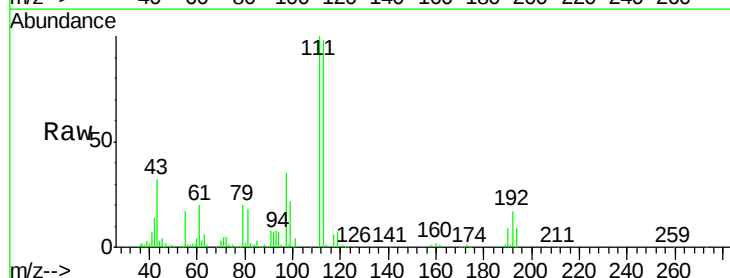
Tgt Ion: 97 Resp: 115796

Ion Ratio Lower Upper

97 100

99 64.5 49.4 74.2

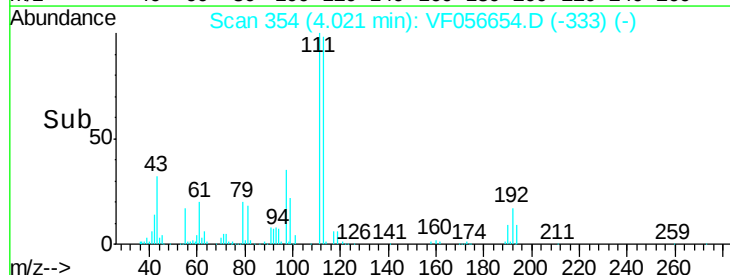
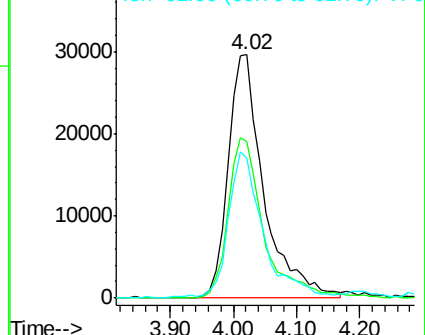
61 57.7 43.9 65.9

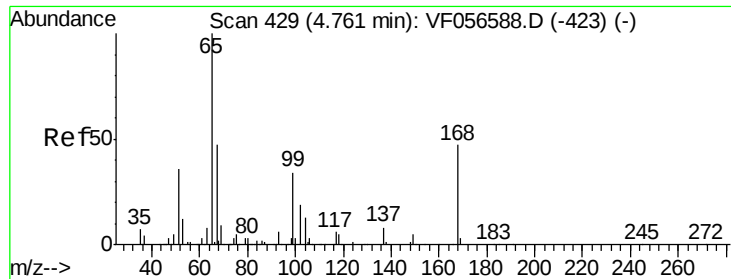


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

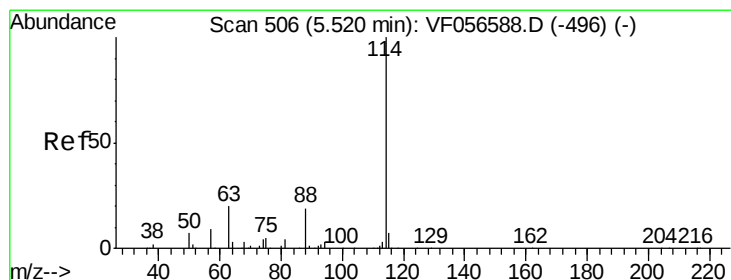
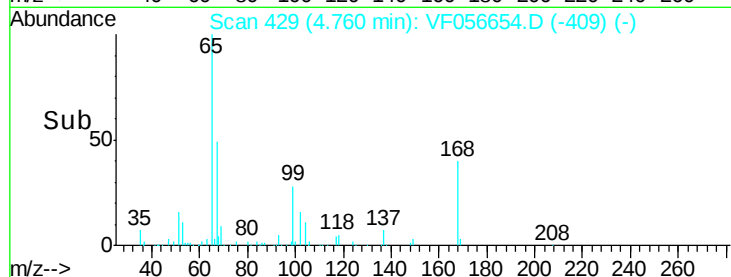
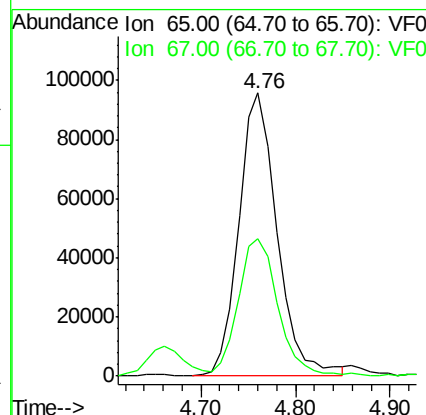
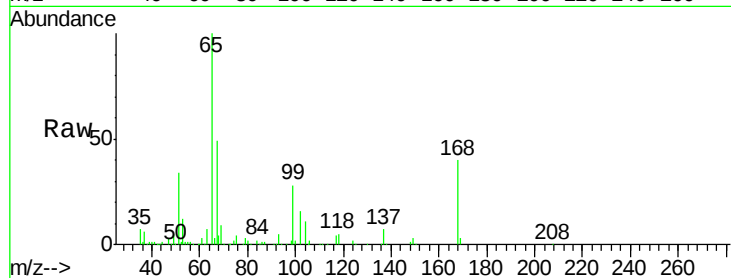




#33
 1,2-Dichloroethane-d4
 Concen: 50.13 ug/l
 RT: 4.76 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

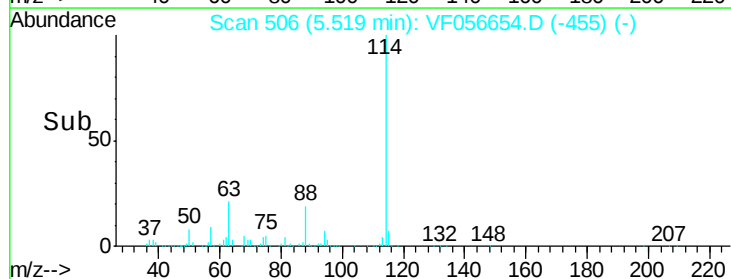
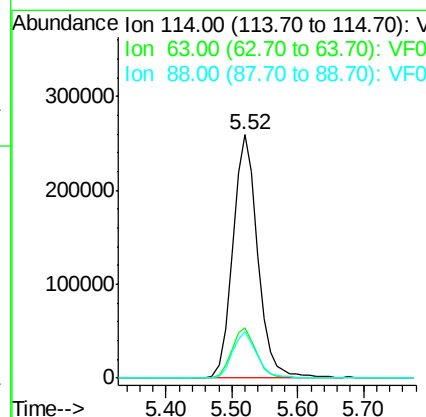
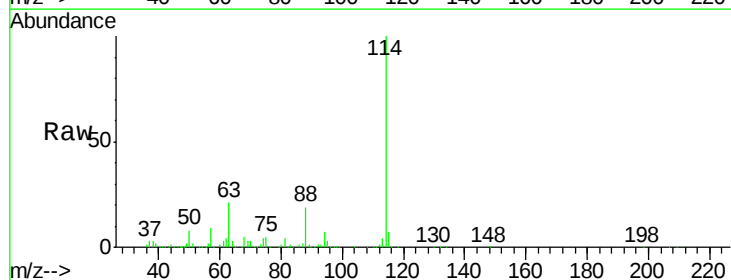
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

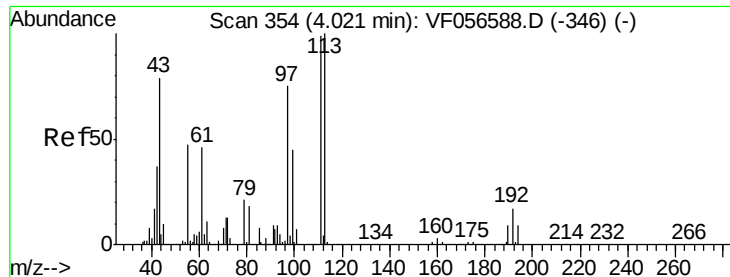
Tgt Ion: 65 Resp: 269331
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.52 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Tgt Ion: 114 Resp: 690209
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.6
 88 19.1 0.0 37.8

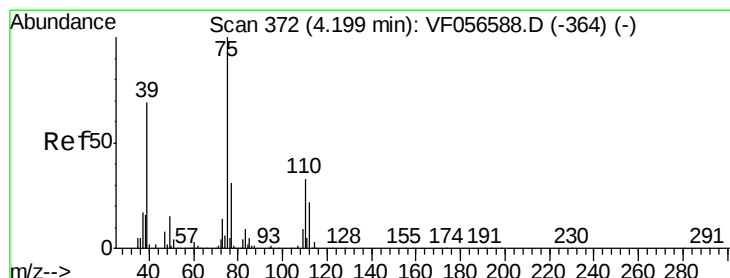
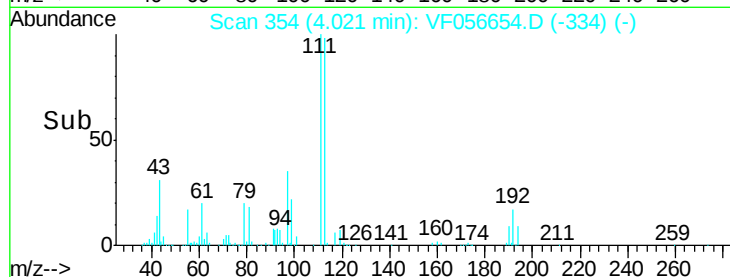
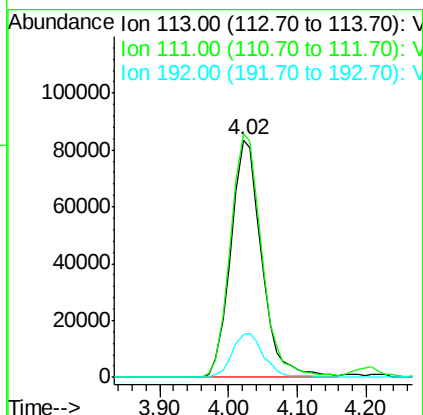
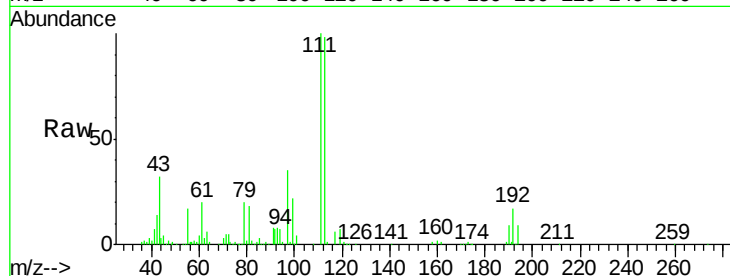




#35
 Dibromofluoromethane
 Concen: 49.99 ug/l
 RT: 4.02 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

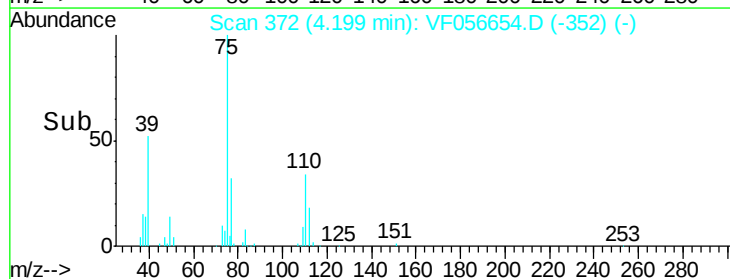
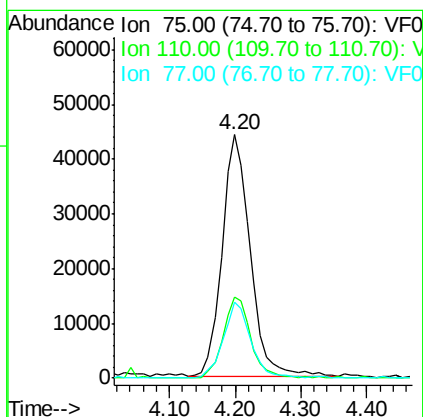
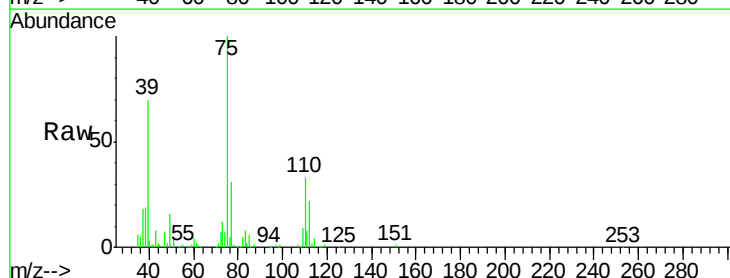
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

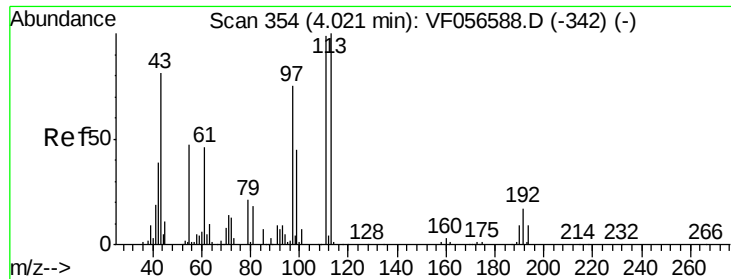
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	79.1	118.7
192	17.7	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 20.54 ug/l
 RT: 4.20 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.6	49.7
77	31.0	24.5	36.7

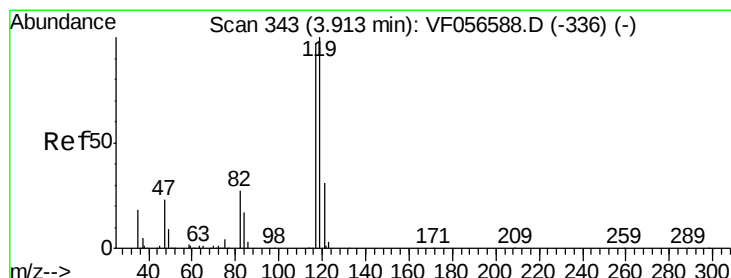
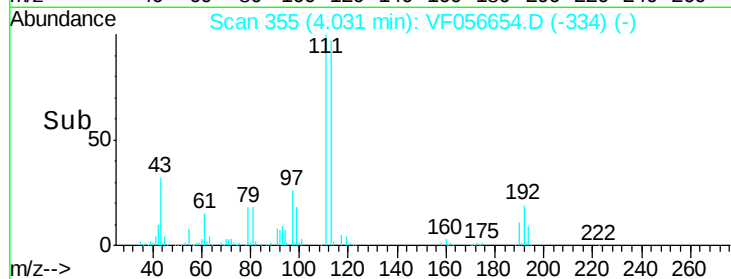
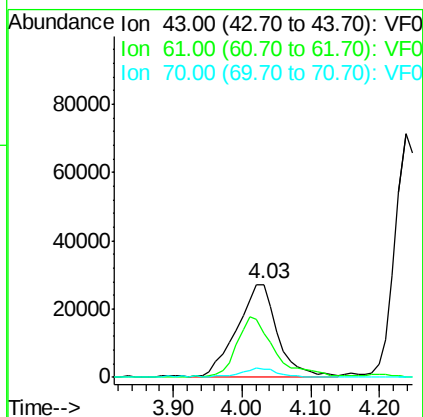
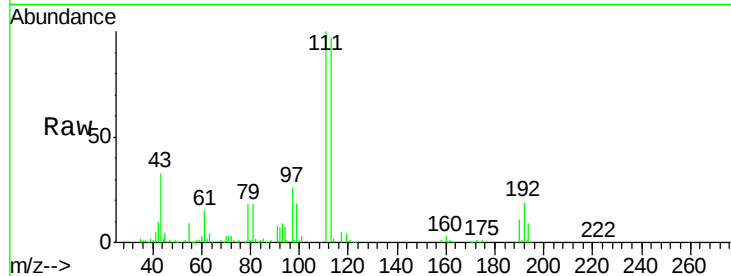




#37
 Ethyl Acetate
 Concen: 18.73 ug/l
 RT: 4.03 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

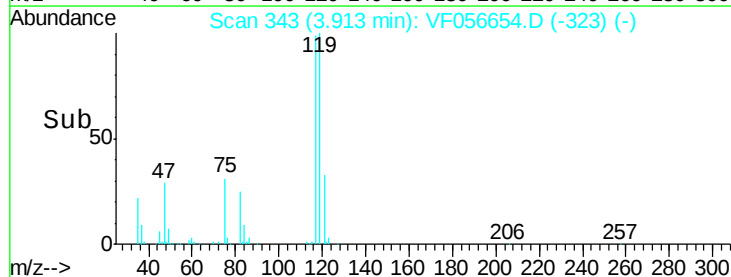
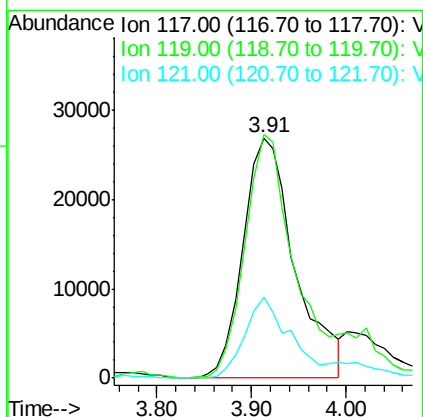
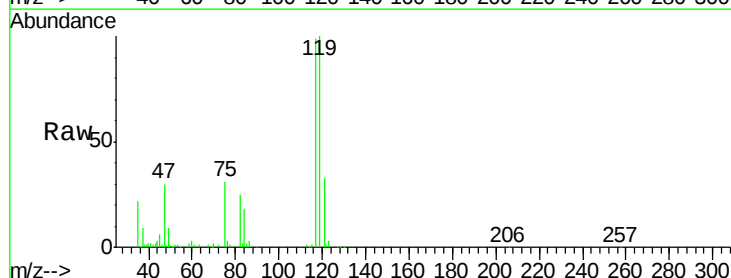
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

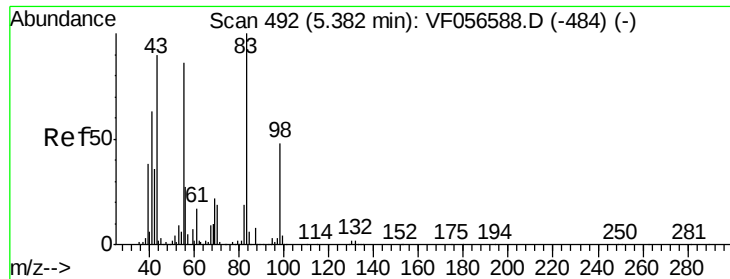
Tgt Ion: 43 Resp: 108846
 Ion Ratio Lower Upper
 43 100
 61 47.0 45.4 68.2
 70 8.3 8.8 13.2#



#38
 Carbon Tetrachloride
 Concen: 21.27 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Tgt Ion: 117 Resp: 102900
 Ion Ratio Lower Upper
 117 100
 119 101.4 82.2 123.4
 121 33.6 25.8 38.6

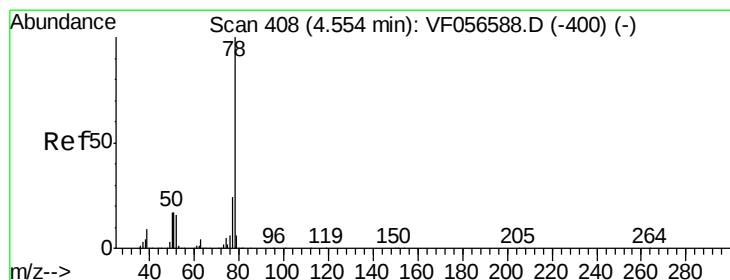
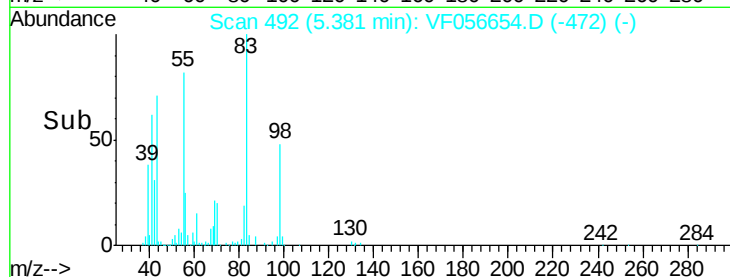
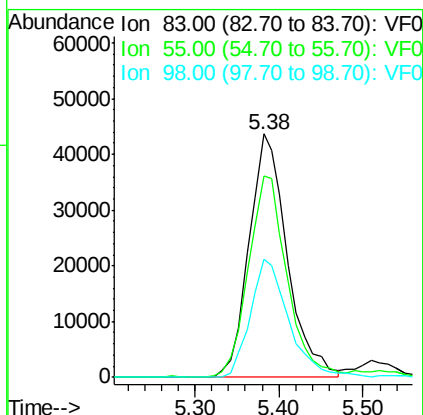
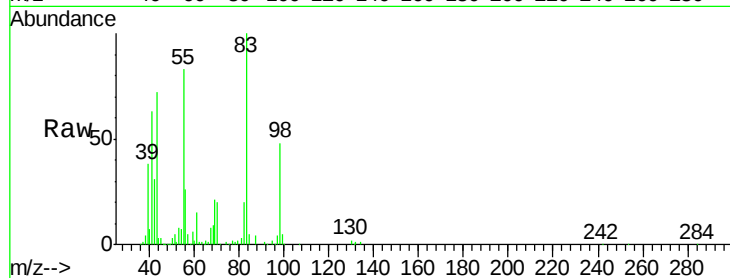




#39
Methylcyclohexane
Concen: 19.74 ug/l
RT: 5.38 min Scan# 492
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

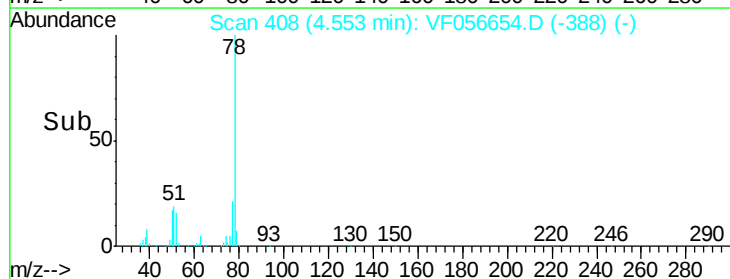
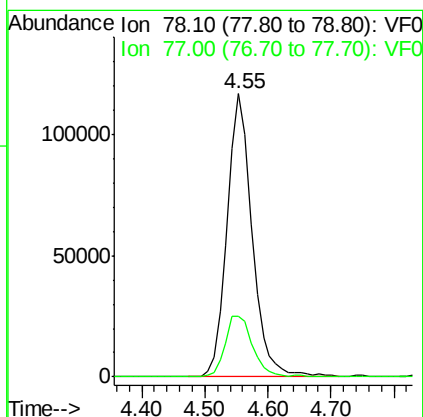
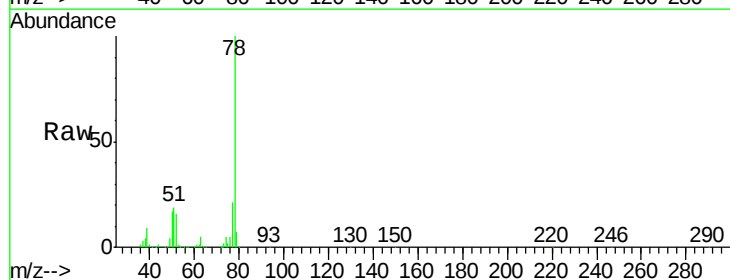
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

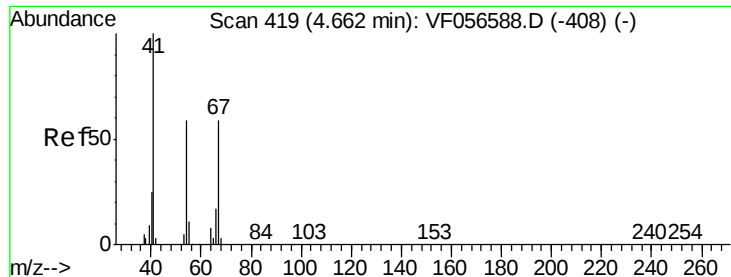
Tgt Ion: 83 Resp: 138778
Ion Ratio Lower Upper
83 100
55 82.7 68.7 103.1
98 48.3 38.0 57.0



#40
Benzene
Concen: 19.52 ug/l
RT: 4.55 min Scan# 408
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion: 78 Resp: 321732
Ion Ratio Lower Upper
78 100
77 21.4 19.0 28.6





#41

Methacrylonitrile

Concen: 18.87 ug/l

RT: 4.66 min Scan# 419

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 41 Resp: 53236

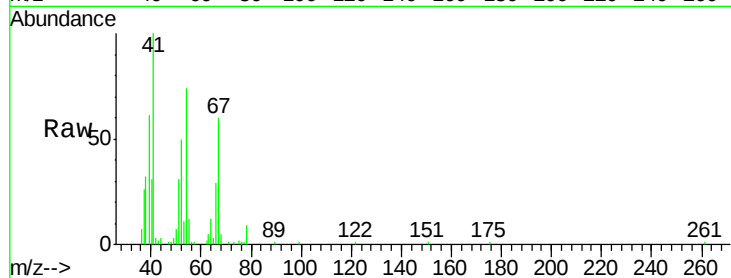
Ion Ratio Lower Upper

41 100

39 60.5 48.2 72.4

67 60.2 46.9 70.3

52 49.6 32.6 48.8#

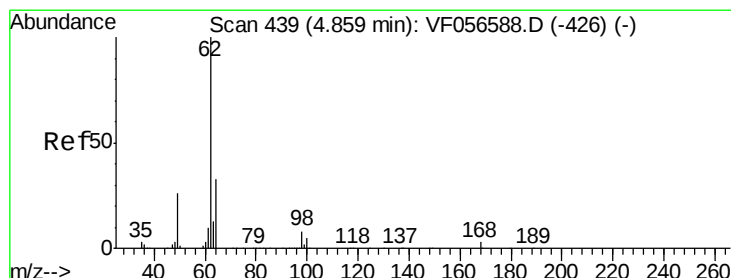
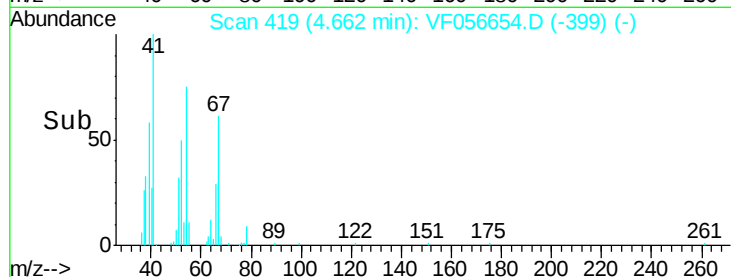
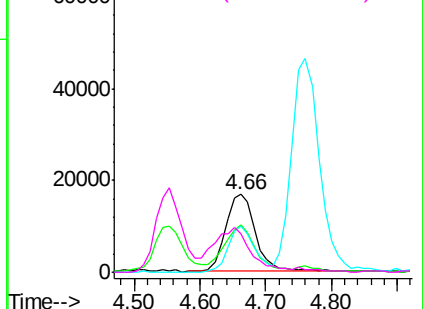


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 21.33 ug/l

RT: 4.86 min Scan# 439

Delta R.T. -0.00 min

Lab File: VF056654.D

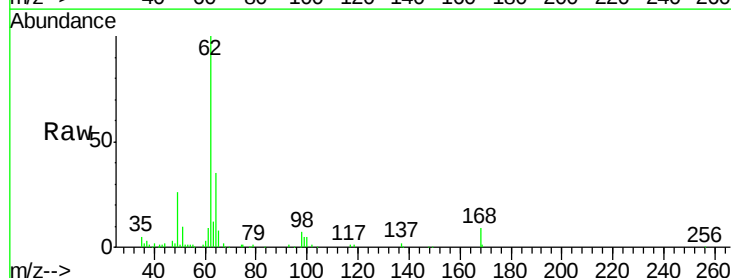
Acq: 23 Feb 2018 14:16

Tgt Ion: 62 Resp: 136661

Ion Ratio Lower Upper

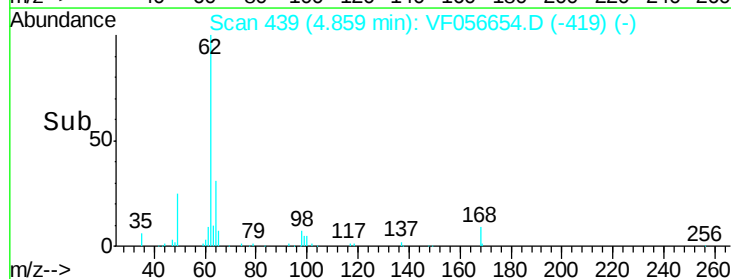
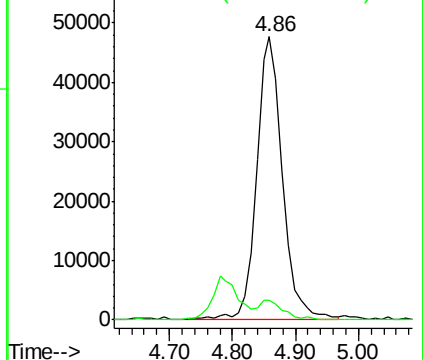
62 100

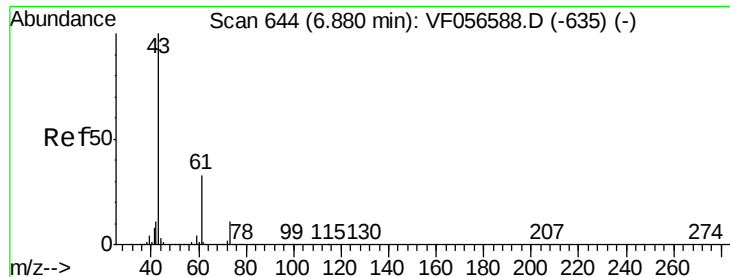
98 6.8 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 19.55 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

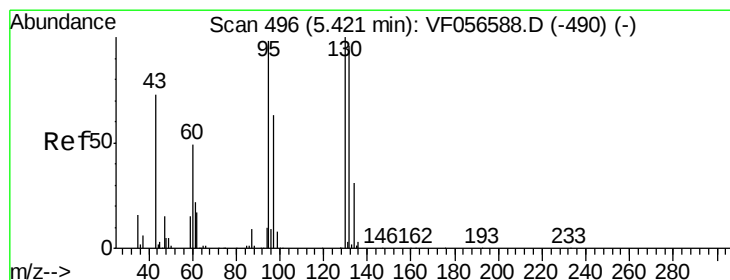
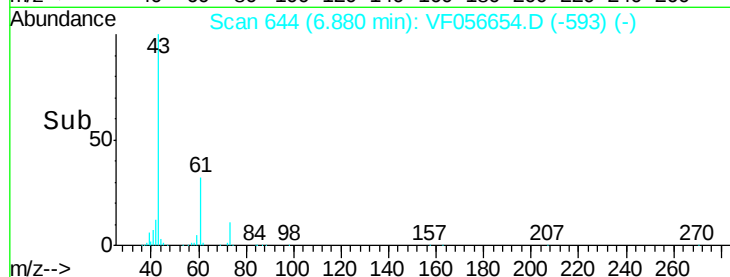
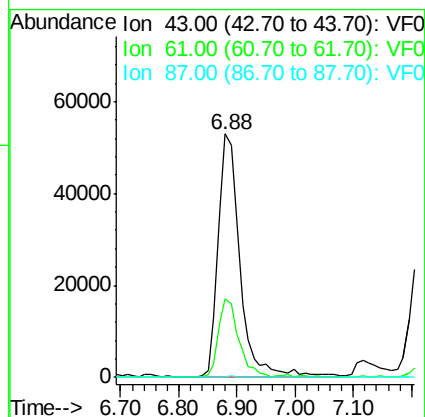
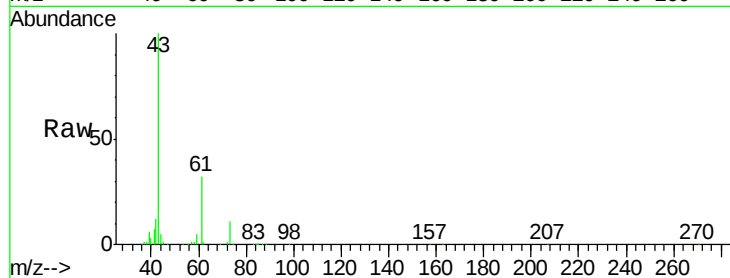
Tgt Ion: 43 Resp: 139308

Ion Ratio Lower Upper

43 100

61 32.0 26.5 39.7

87 0.4 0.2 0.4



#44

Trichloroethene

Concen: 19.91 ug/l

RT: 5.43 min Scan# 497

Delta R.T. 0.01 min

Lab File: VF056654.D

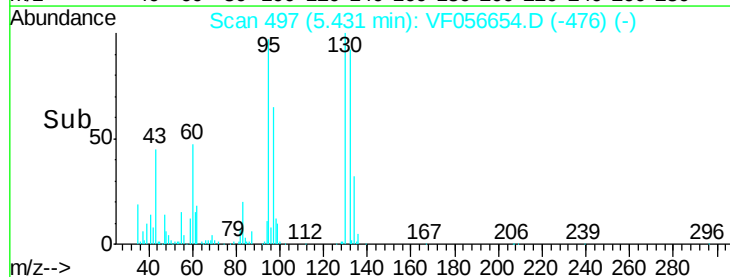
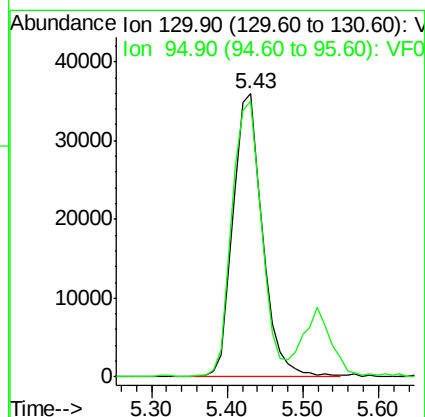
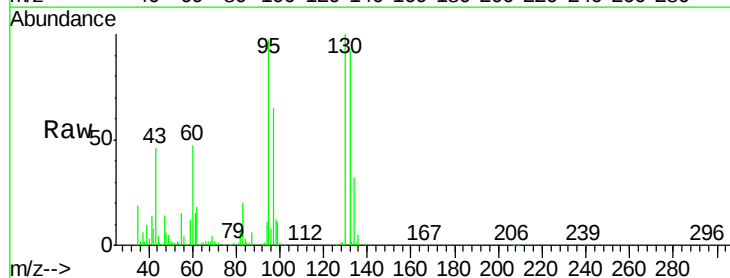
Acq: 23 Feb 2018 14:16

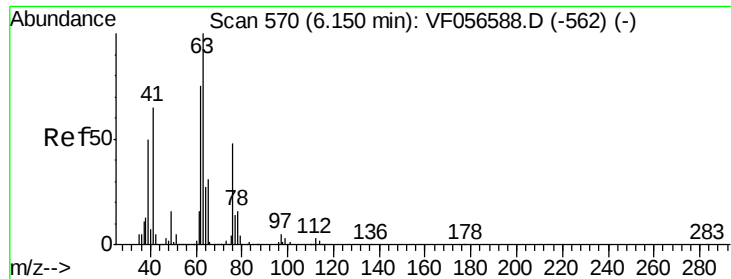
Tgt Ion:130 Resp: 96300

Ion Ratio Lower Upper

130 100

95 97.3 0.0 195.8

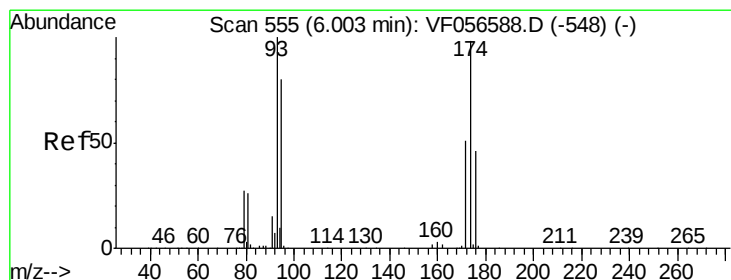
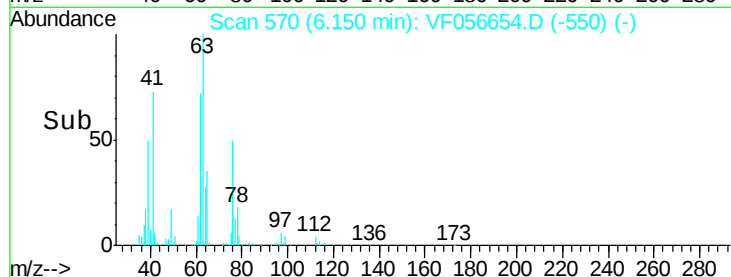
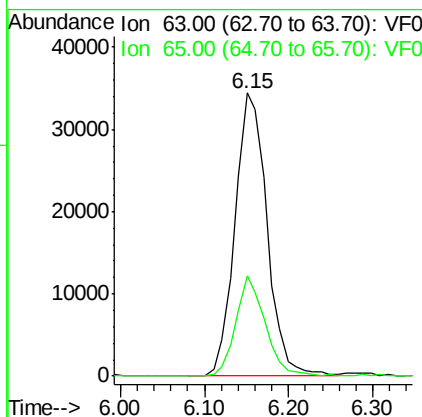
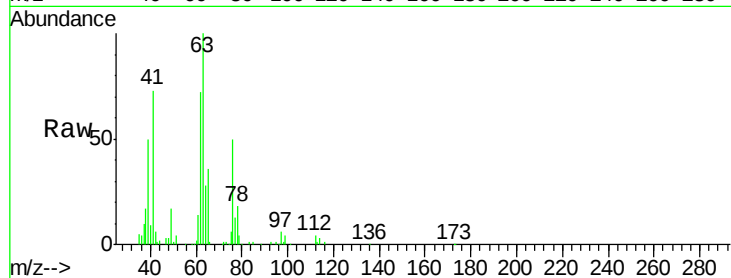




#45
 1,2-Dichloropropane
 Concen: 19.46 ug/l
 RT: 6.15 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

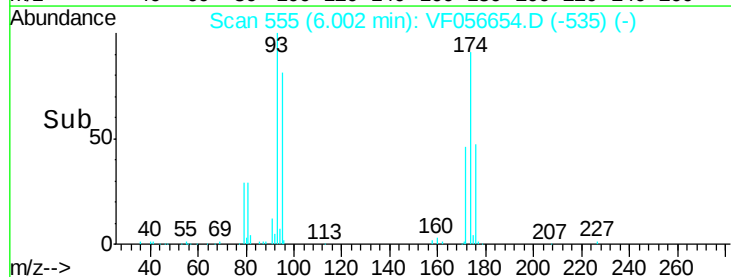
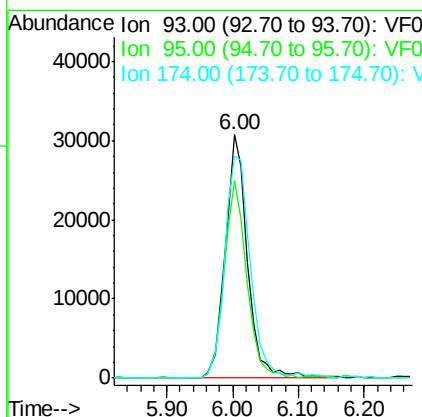
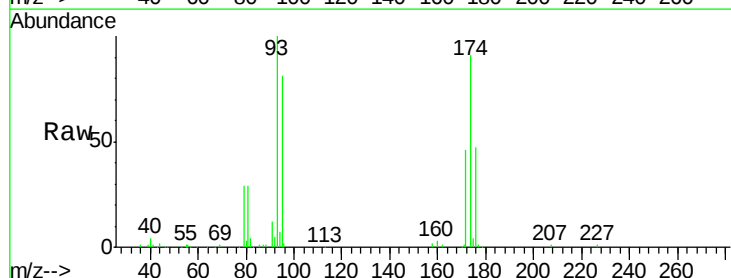
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

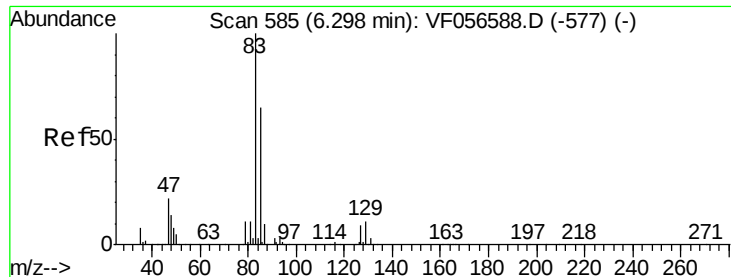
Tgt Ion: 63 Resp: 91401
 Ion Ratio Lower Upper
 63 100
 65 35.6 25.2 37.8



#46
 Dibromomethane
 Concen: 20.25 ug/l
 RT: 6.00 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Tgt Ion: 93 Resp: 73169
 Ion Ratio Lower Upper
 93 100
 95 81.4 63.9 95.9
 174 91.3 78.6 118.0





#47

Bromodichloromethane

Concen: 19.99 ug/l

RT: 6.30 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

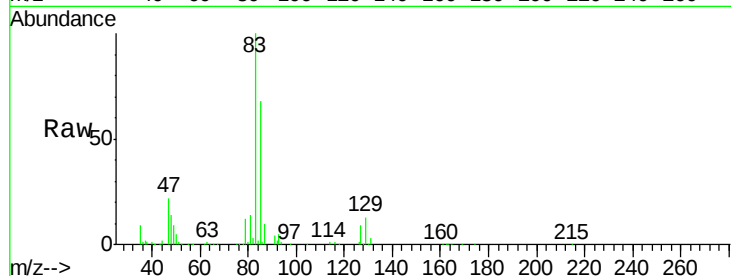
Tgt Ion: 83 Resp: 133463

Ion Ratio Lower Upper

83 100

85 67.7 52.1 78.1

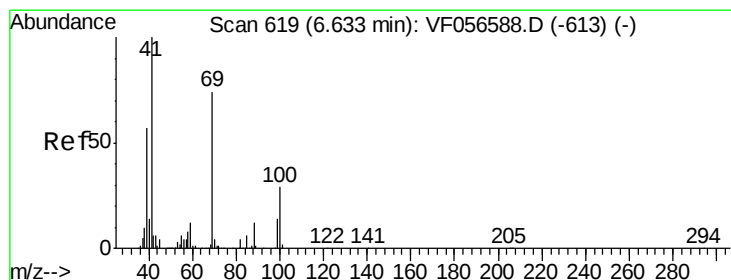
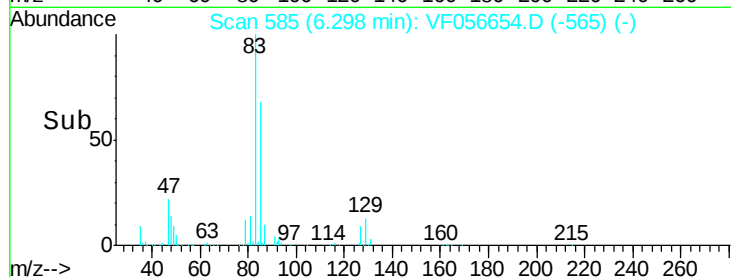
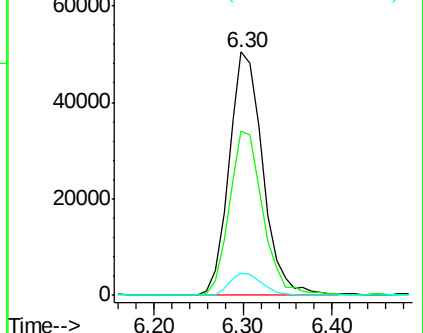
127 9.1 7.0 10.4



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: 20.51 ug/l

RT: 6.63 min Scan# 619

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

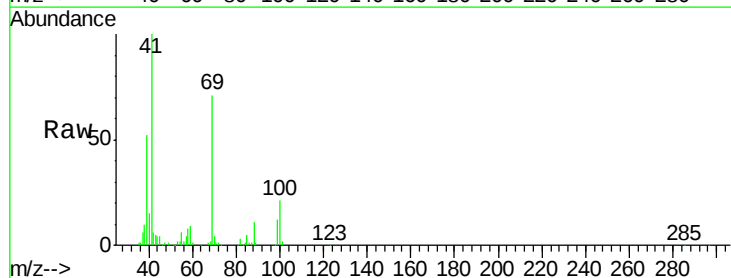
Tgt Ion: 41 Resp: 85624

Ion Ratio Lower Upper

41 100

69 70.8 58.8 88.2

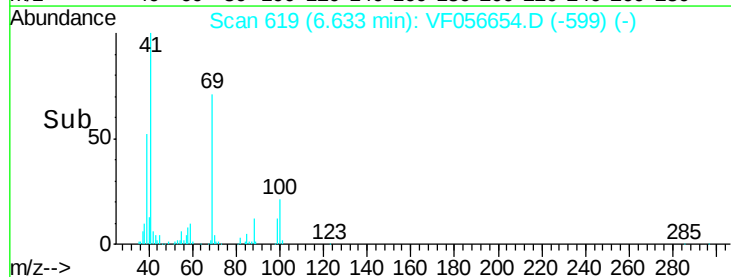
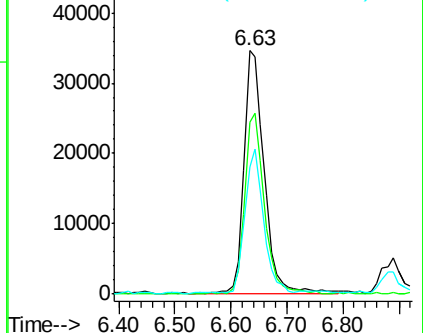
39 52.4 46.1 69.1

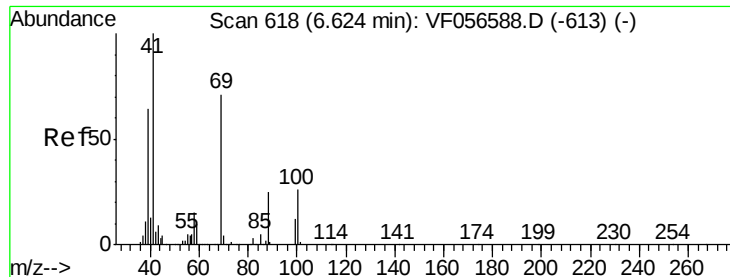


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 360.01 ug/l

RT: 6.62 min Scan# 618

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

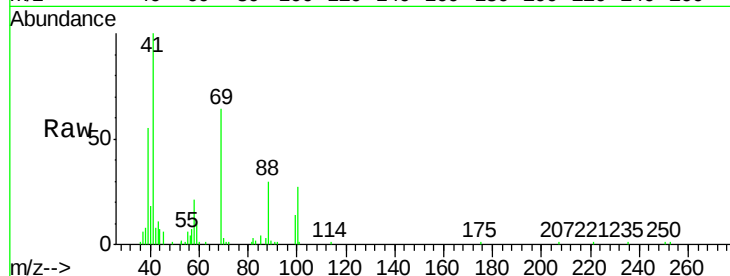
Tgt Ion: 88 Resp: 15492

Ion Ratio Lower Upper

88 100

43 38.0 30.8 46.2

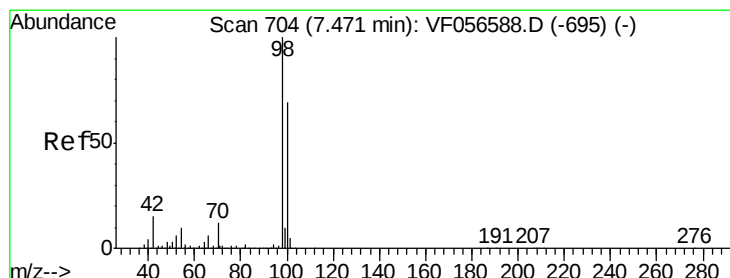
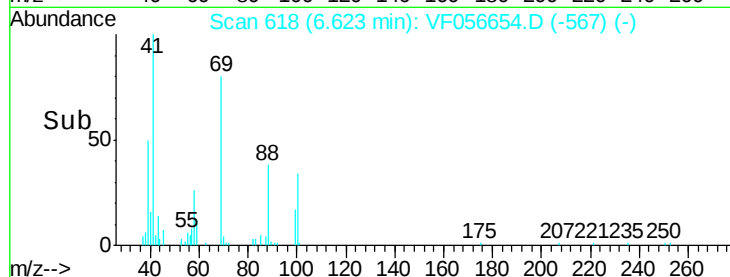
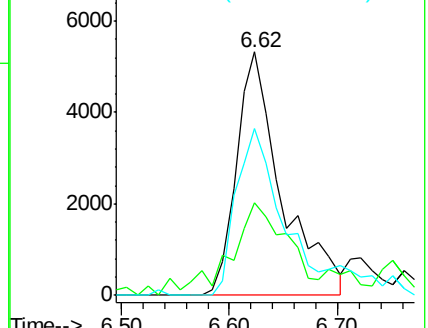
58 68.6 49.8 74.6



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 47.75 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF056654.D

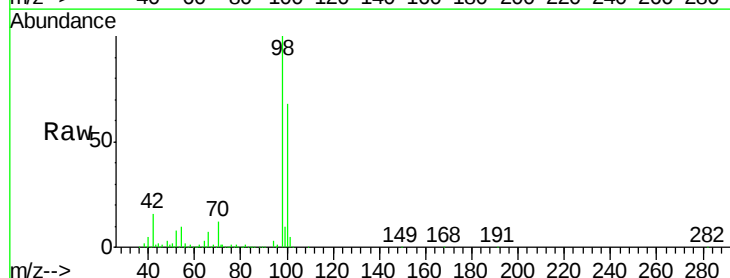
Acq: 23 Feb 2018 14:16

Tgt Ion: 98 Resp: 742934

Ion Ratio Lower Upper

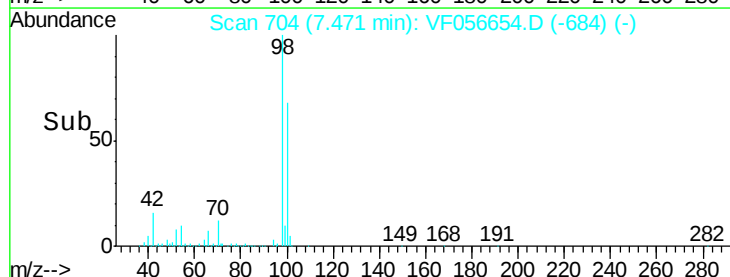
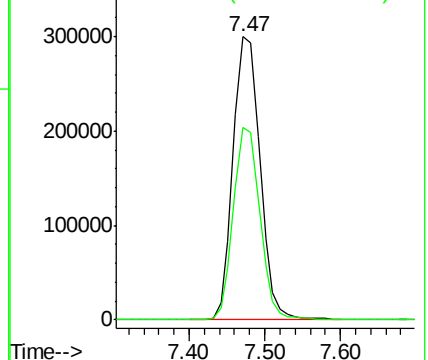
98 100

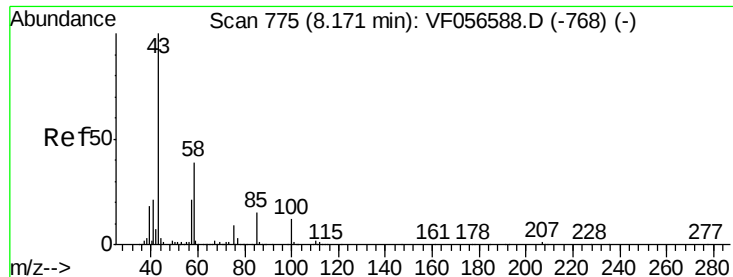
100 68.1 55.4 83.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 102.93 ug/l

RT: 8.18 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

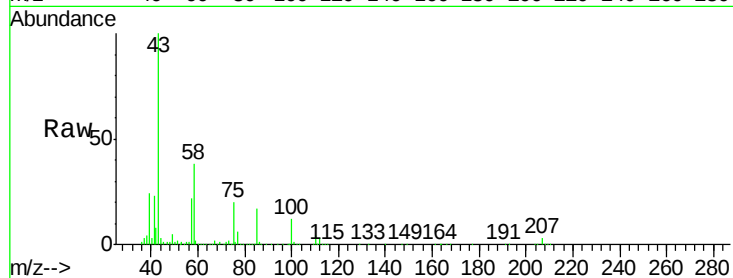
VF0223SBS01

Tgt Ion: 43 Resp: 501583

Ion Ratio Lower Upper

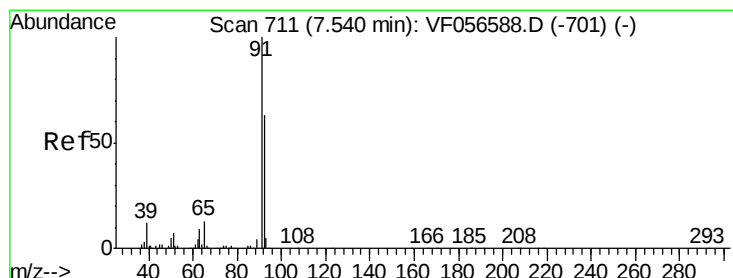
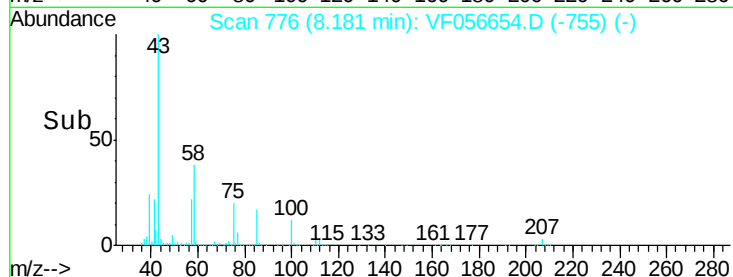
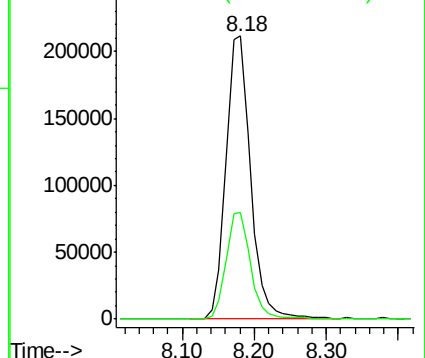
43 100

58 37.6 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.32 ug/l

RT: 7.54 min Scan# 711

Delta R.T. -0.00 min

Lab File: VF056654.D

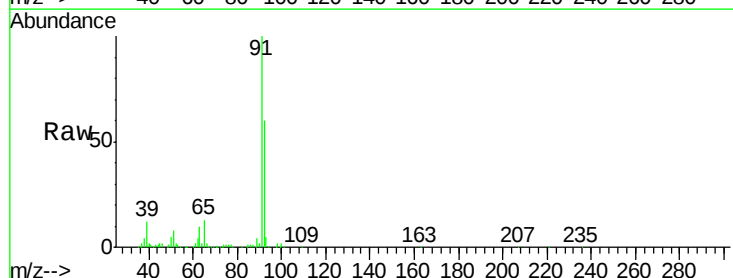
Acq: 23 Feb 2018 14:16

Tgt Ion: 92 Resp: 212025

Ion Ratio Lower Upper

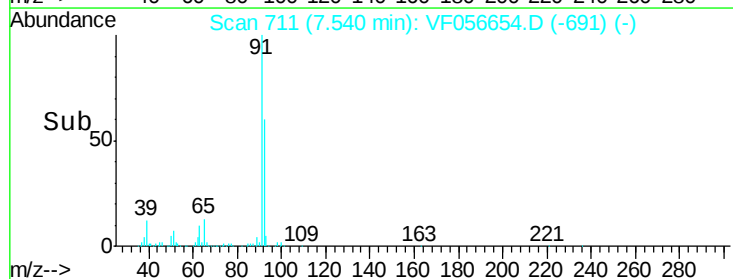
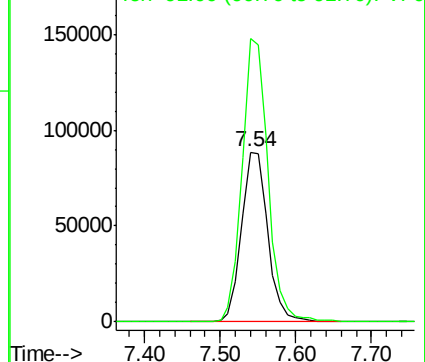
92 100

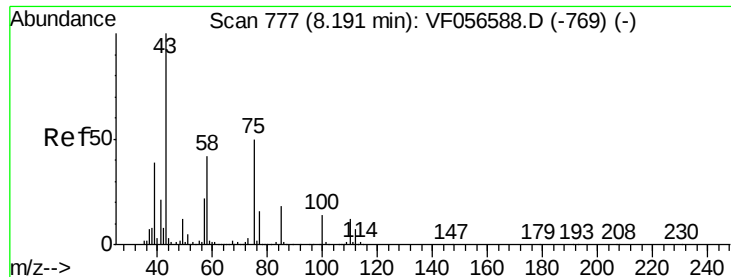
91 166.5 127.2 190.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

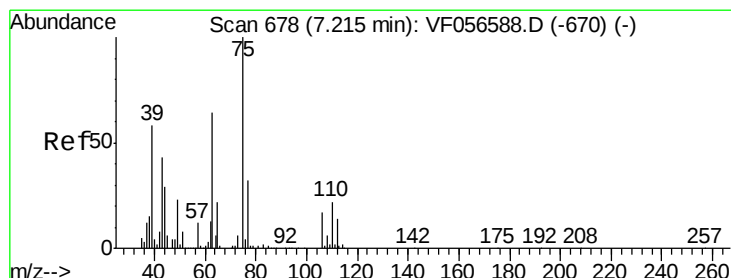
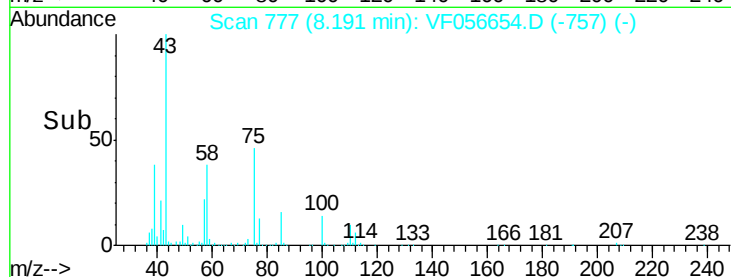
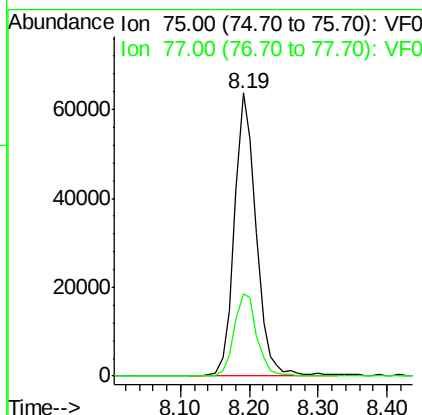
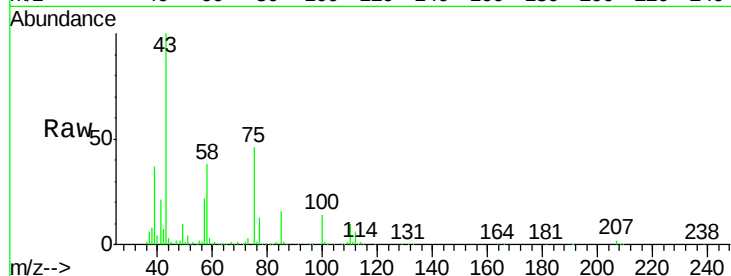




#53
 t-1,3-Dichloropropene
 Concen: 20.78 ug/l
 RT: 8.19 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

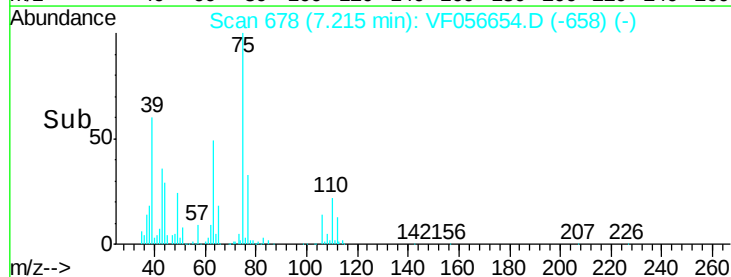
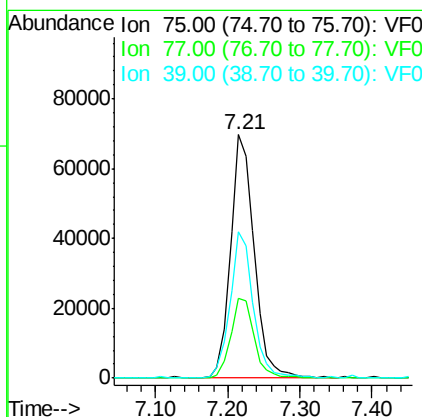
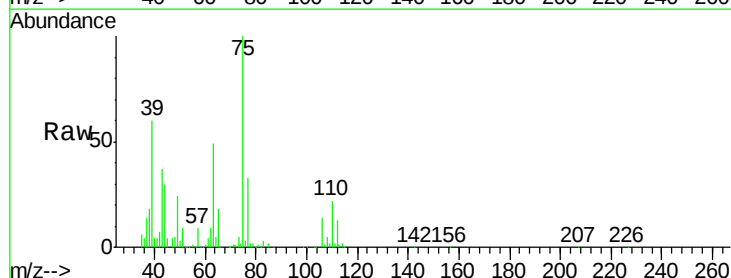
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

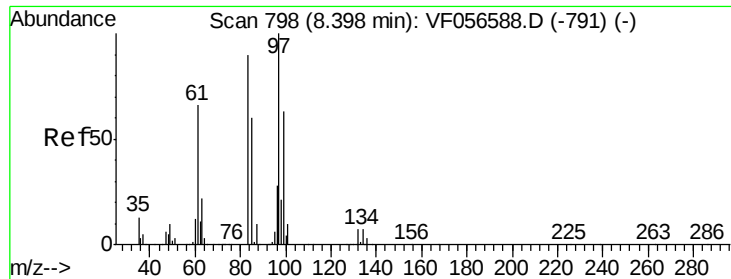
Tgt Ion: 75 Resp: 139723
 Ion Ratio Lower Upper
 75 100
 77 29.1 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.25 ug/l
 RT: 7.21 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Tgt Ion: 75 Resp: 158431
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.7 38.5
 39 60.2 47.0 70.6





#55

1,1,2-Trichloroethane

Concen: 19.90 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 97 Resp: 86513

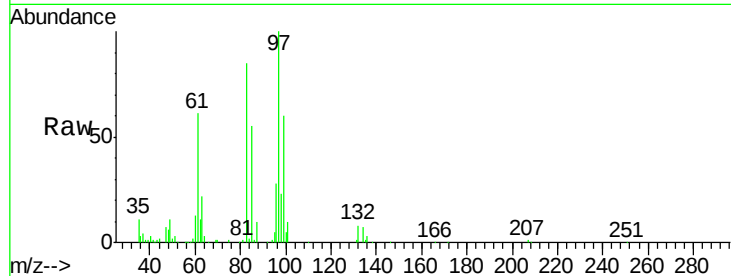
Ion Ratio Lower Upper

97 100

83 85.1 71.8 107.8

85 55.1 48.0 72.0

99 60.5 50.2 75.2

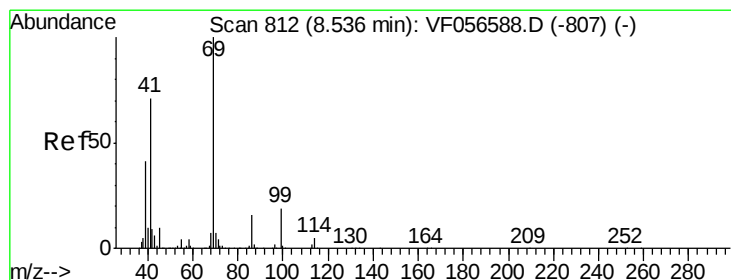
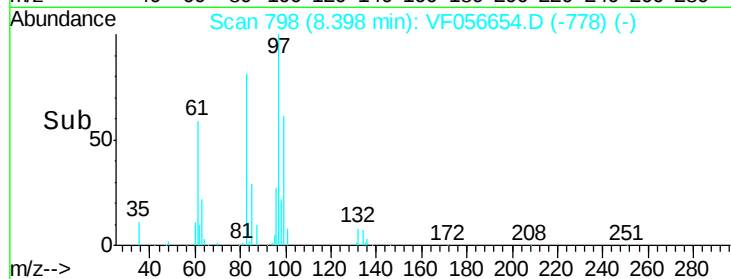
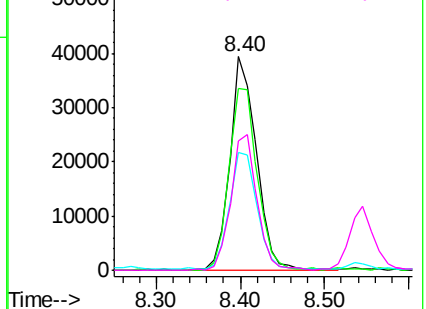


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.85 ug/l

RT: 8.54 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

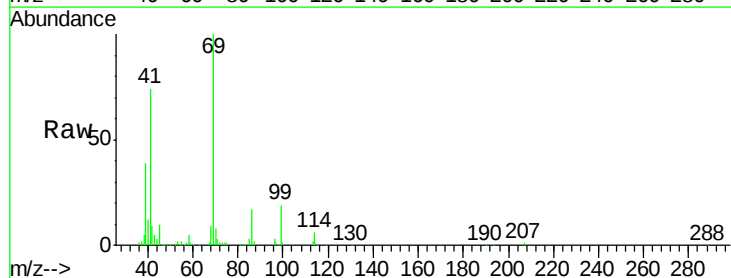
Tgt Ion: 69 Resp: 118411

Ion Ratio Lower Upper

69 100

41 74.3 57.2 85.8

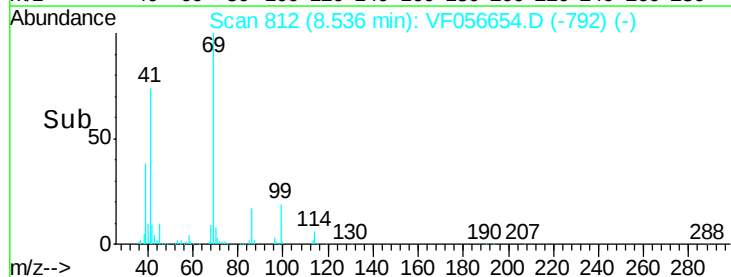
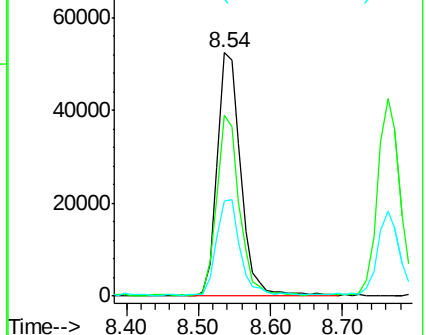
39 39.1 33.0 49.6

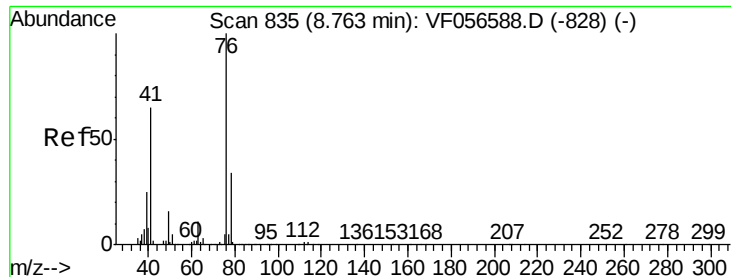


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.60 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

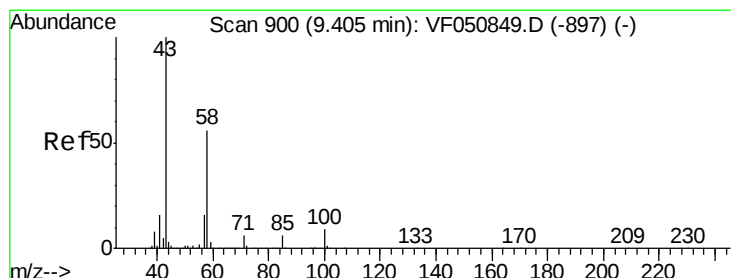
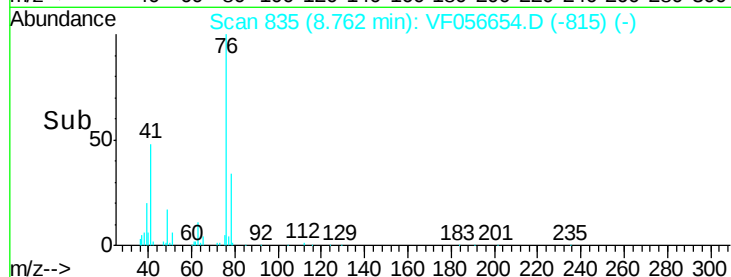
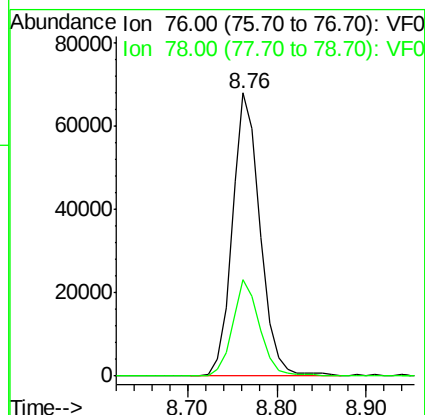
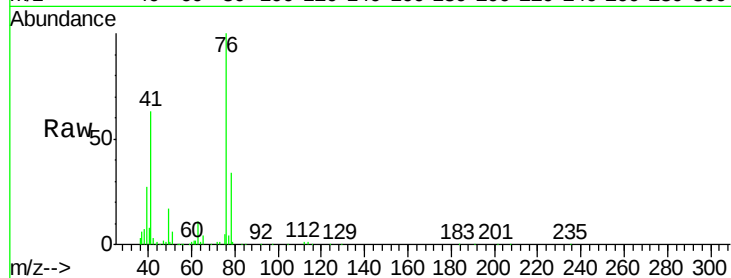
VF0223SBS01

Tgt Ion: 76 Resp: 148159

Ion Ratio Lower Upper

76 100

78 34.1 27.0 40.6



#58

2-Chloroethyl Vinyl ether

Concen: 45.02 ug/l

RT: 7.54 min Scan# 711

Delta R.T. -0.00 min

Lab File: VF056654.D

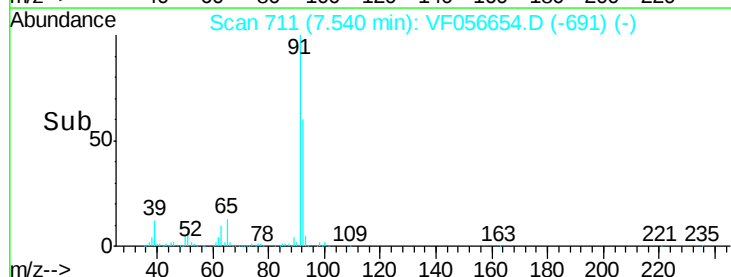
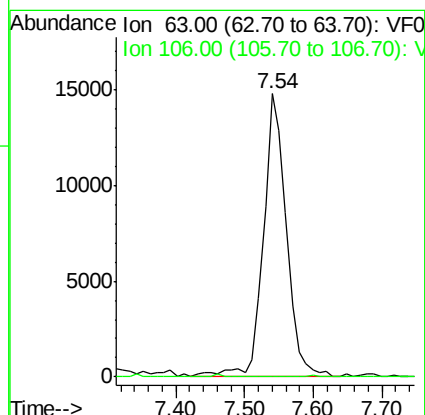
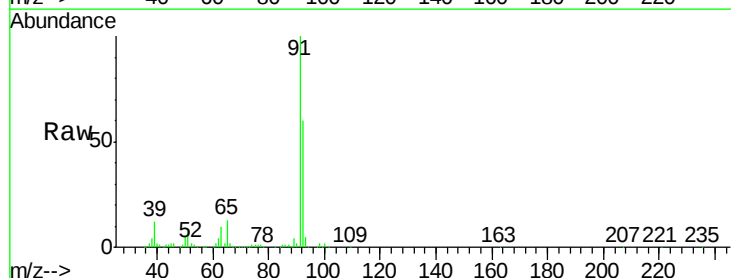
Acq: 23 Feb 2018 14:16

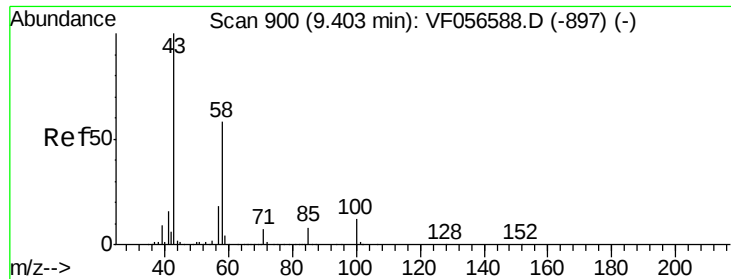
Tgt Ion: 63 Resp: 34759

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

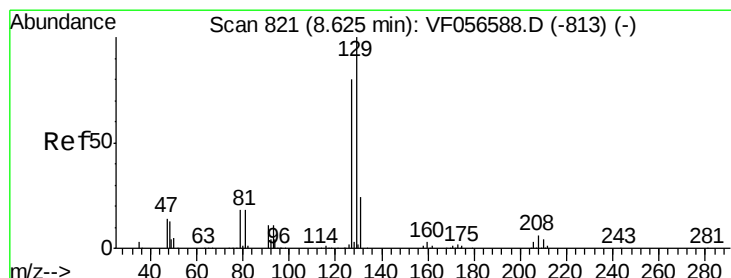
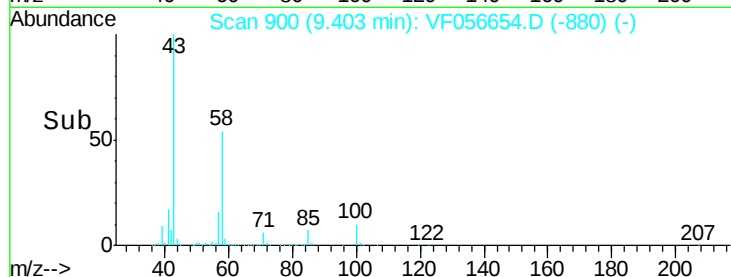
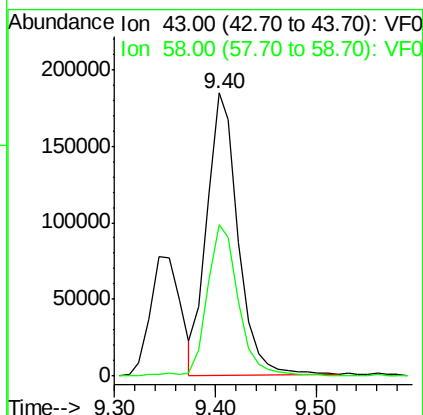
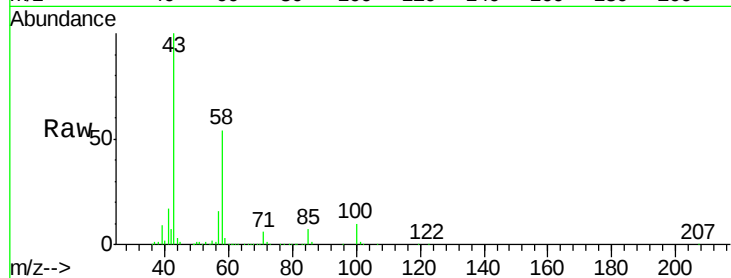




#59
2-Hexanone
Concen: 99.73 ug/l
RT: 9.40 min Scan# 900
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

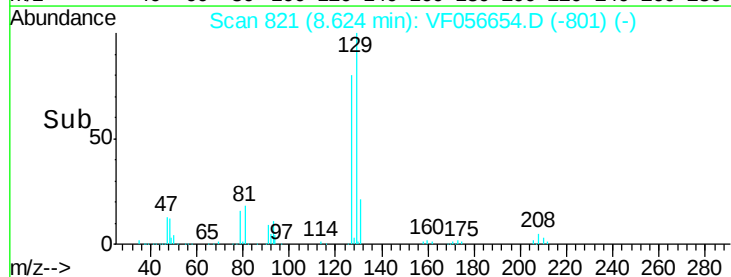
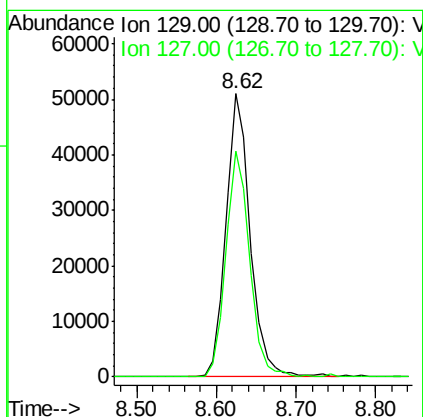
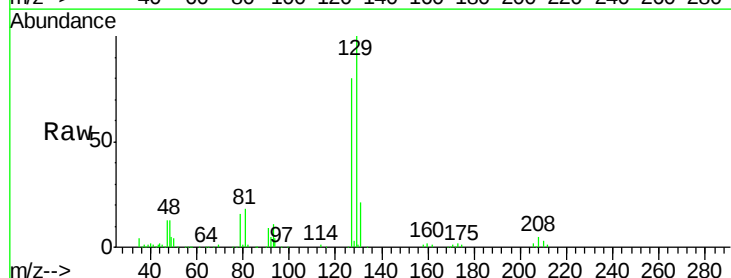
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

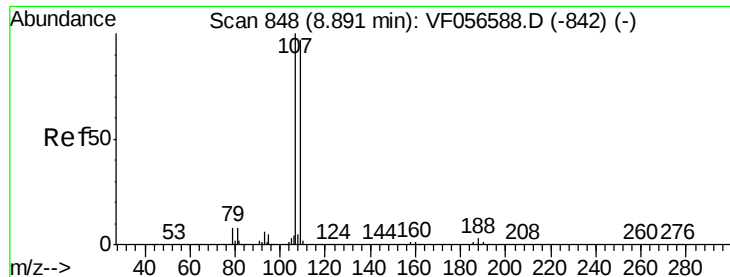
Tgt Ion: 43 Resp: 394436
Ion Ratio Lower Upper
43 100
58 53.6 26.6 79.7



#60
Dibromochloromethane
Concen: 20.68 ug/l
RT: 8.62 min Scan# 821
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion: 129 Resp: 109036
Ion Ratio Lower Upper
129 100
127 79.7 40.2 120.5





#61

1,2-Dibromoethane

Concen: 20.33 ug/l

RT: 8.89 min Scan# 848

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

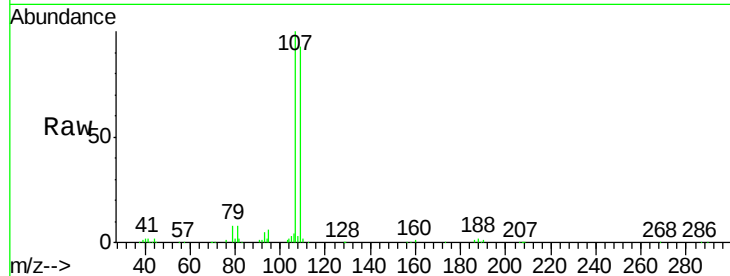
VF0223SBS01

Tgt Ion: 107 Resp: 102355

Ion Ratio Lower Upper

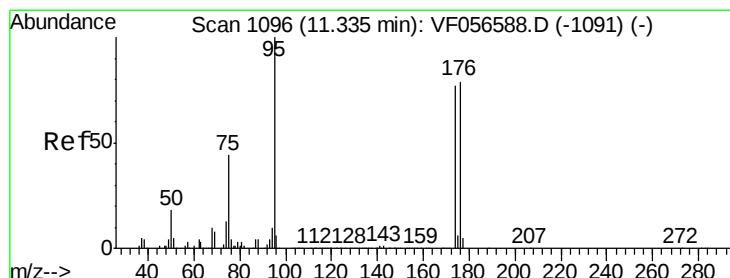
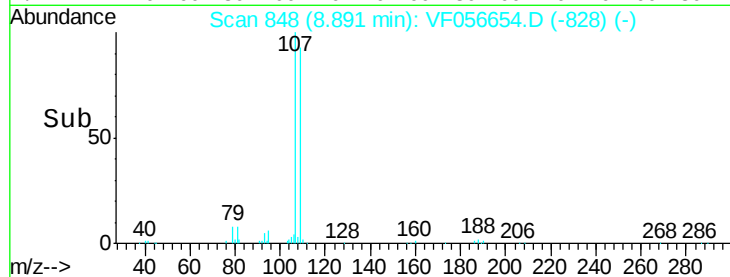
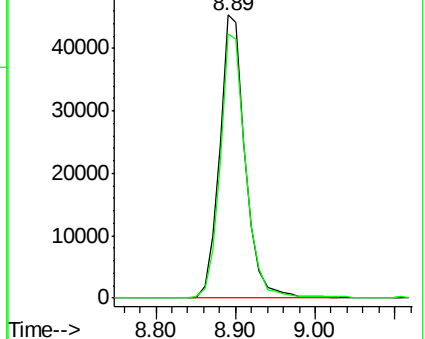
107 100

109 93.5 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.37 ug/l

RT: 11.34 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

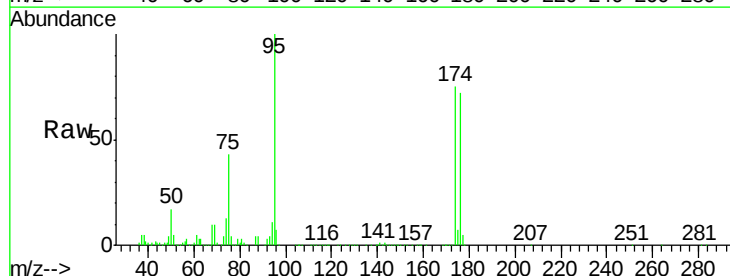
Tgt Ion: 95 Resp: 363592

Ion Ratio Lower Upper

95 100

174 75.0 0.0 154.2

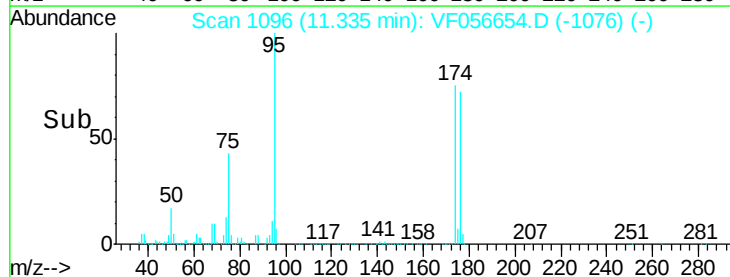
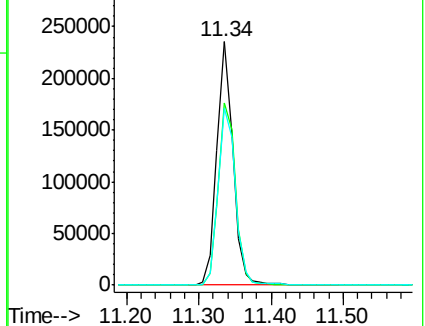
176 72.5 0.0 157.2

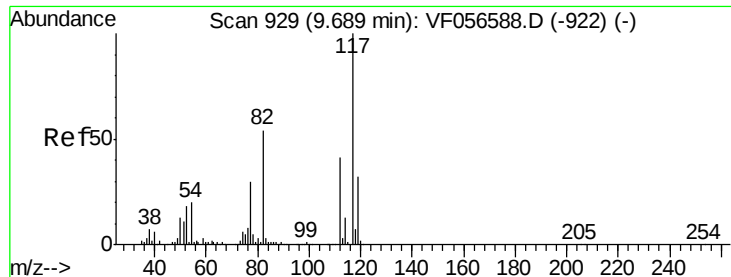


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

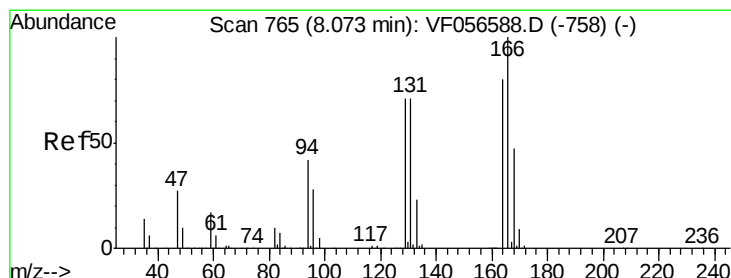
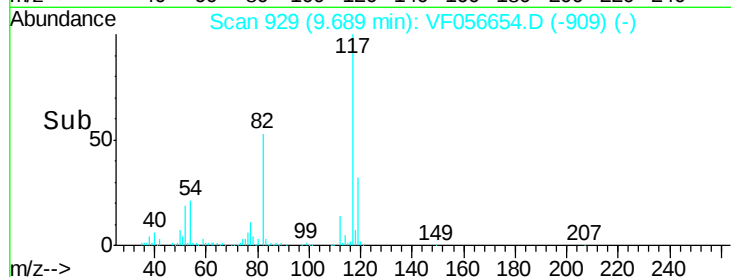
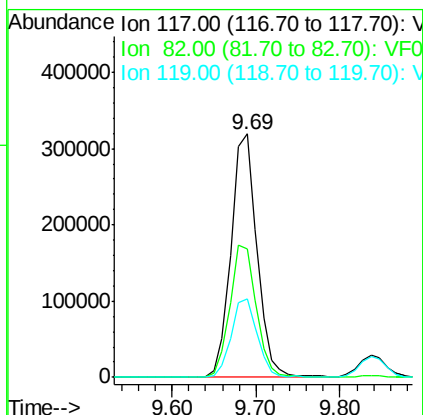
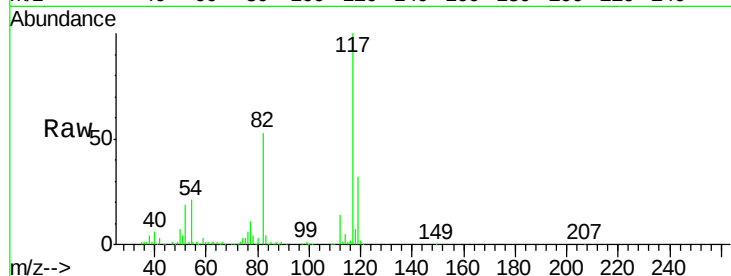




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.69 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

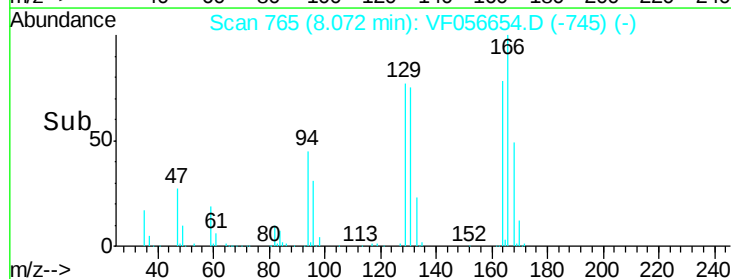
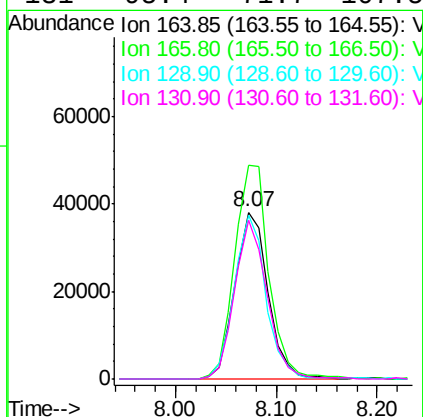
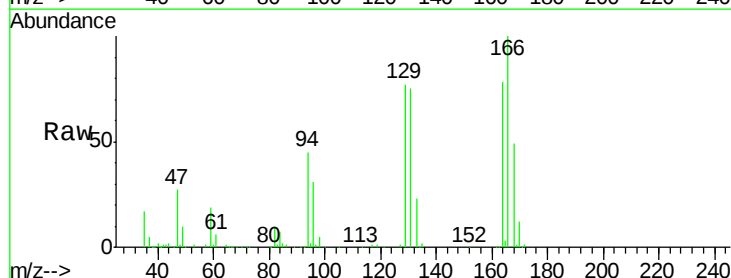
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

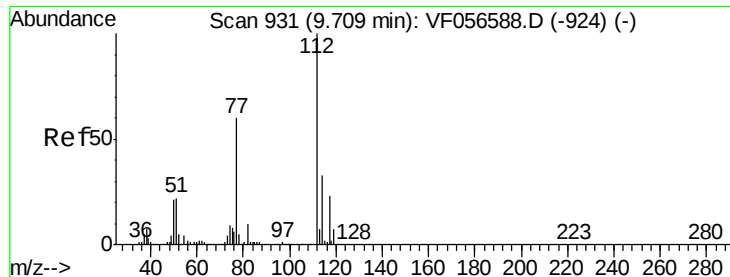
Tgt Ion:117 Resp: 686205
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.6
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 17.64 ug/l
RT: 8.07 min Scan# 765
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion:164 Resp: 87142
Ion Ratio Lower Upper
164 100
166 127.9 100.3 150.5
129 98.2 71.4 107.0
131 95.4 71.7 107.5

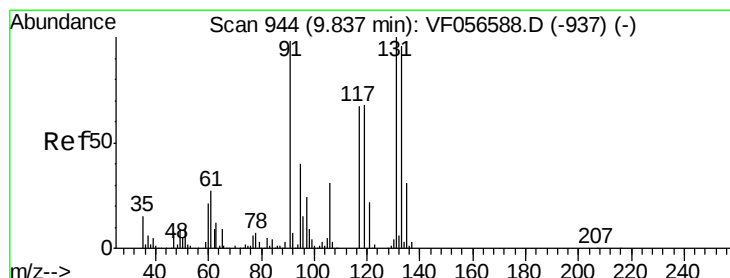
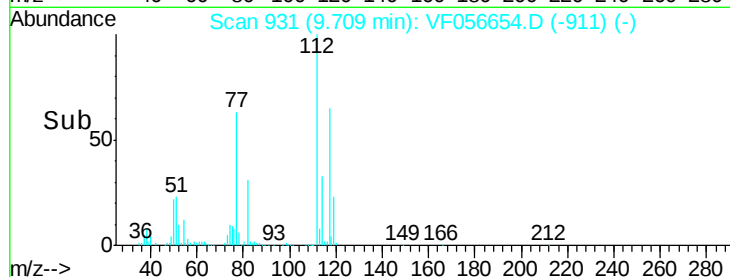
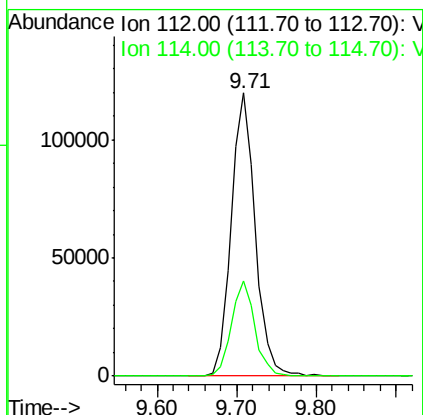
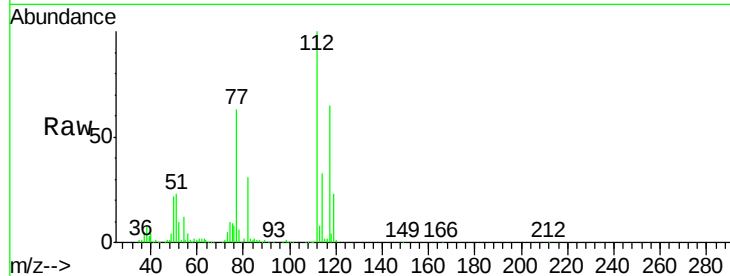




#65
Chlorobenzene
Concen: 18.82 ug/l
RT: 9.71 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

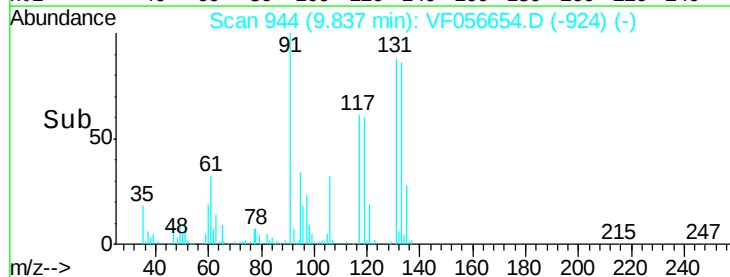
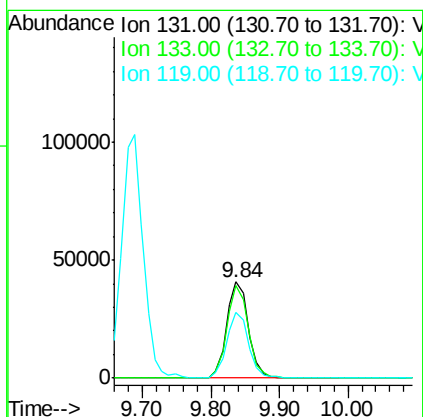
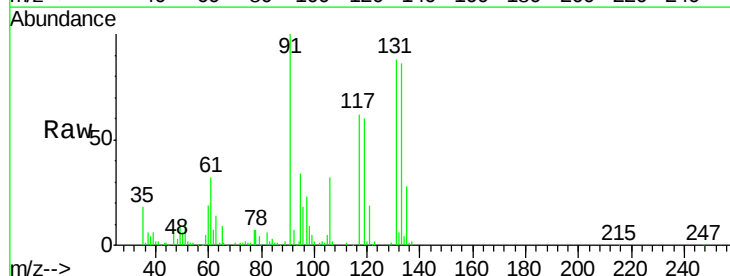
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

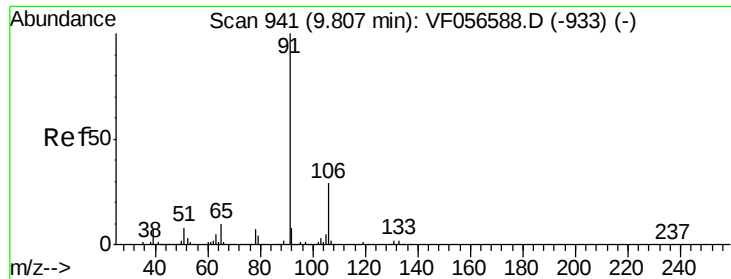
Tgt Ion:112 Resp: 253044
Ion Ratio Lower Upper
112 100
114 33.5 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.16 ug/l
RT: 9.84 min Scan# 944
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion:131 Resp: 88810
Ion Ratio Lower Upper
131 100
133 97.3 48.2 144.6
119 68.2 34.0 101.8

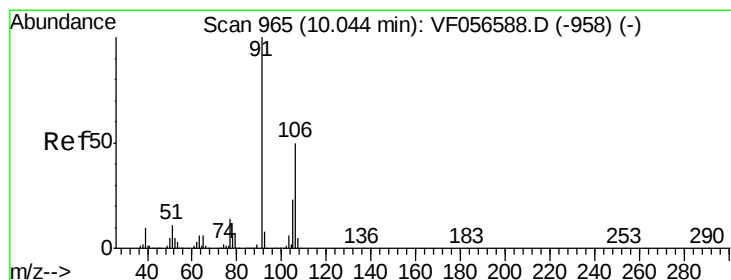
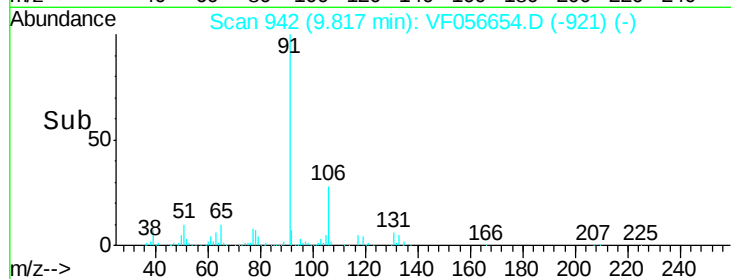
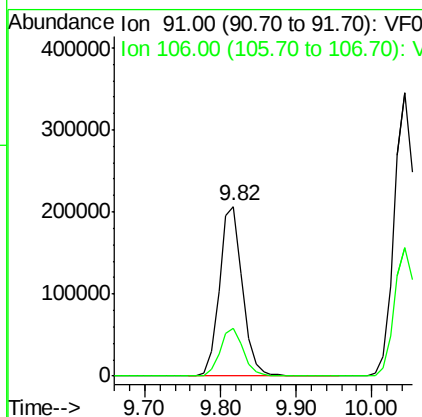
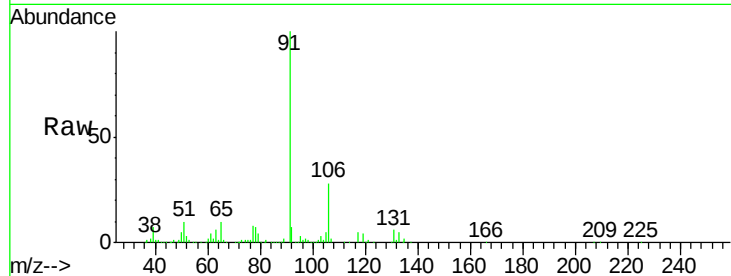




#67
Ethyl Benzene
Concen: 19.16 ug/l
RT: 9.82 min Scan# 942
Delta R.T. 0.01 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

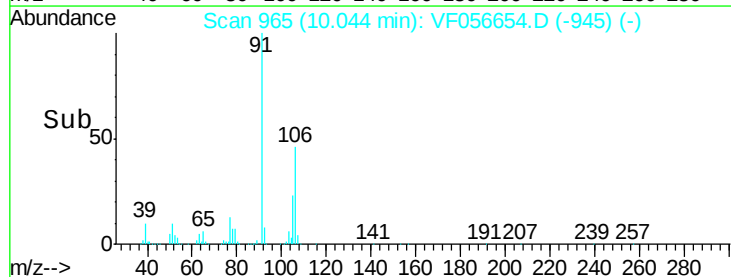
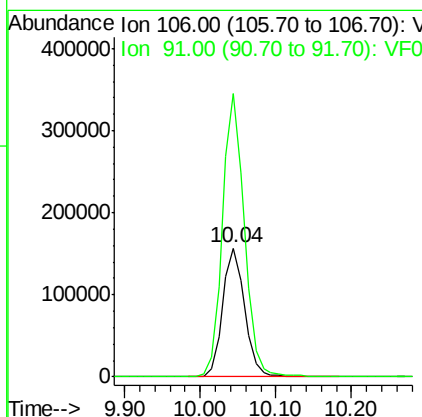
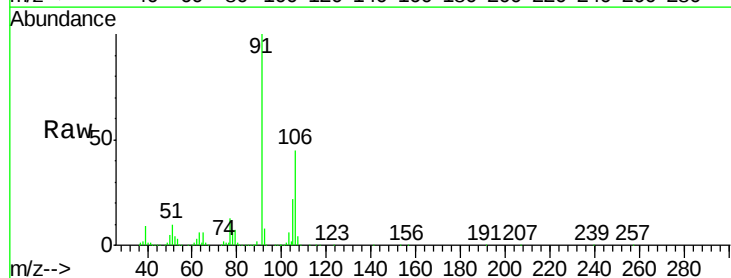
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

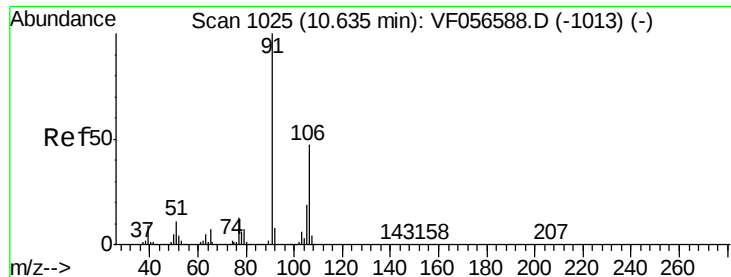
Tgt Ion: 91 Resp: 439366
Ion Ratio Lower Upper
91 100
106 28.2 23.2 34.8



#68
m/p-Xylenes
Concen: 37.79 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion: 106 Resp: 316961
Ion Ratio Lower Upper
106 100
91 220.1 159.2 238.8

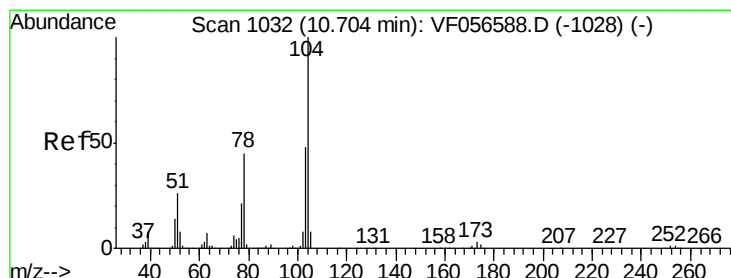
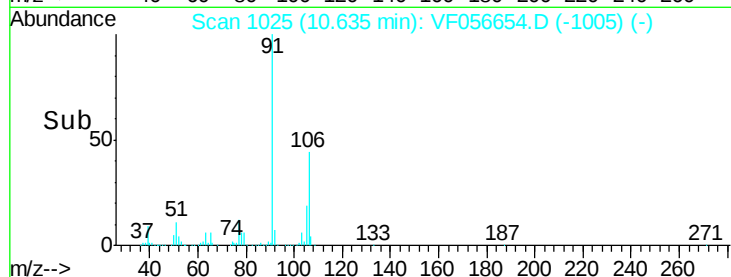
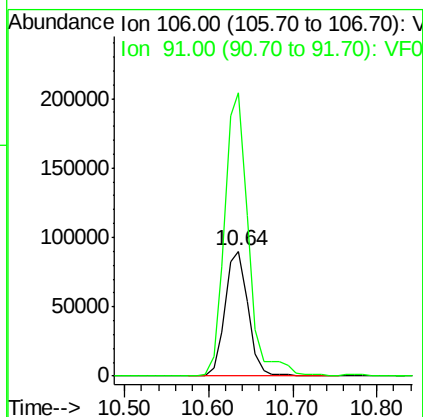
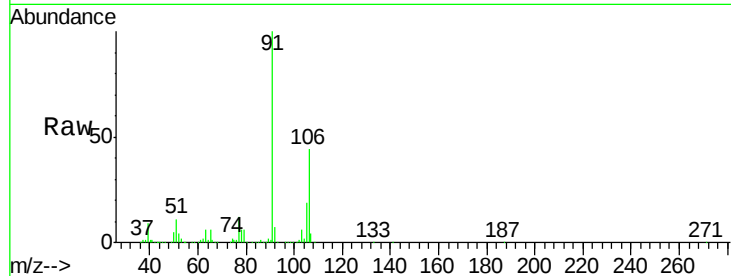




#69
o-Xylene
Concen: 19.76 ug/l
RT: 10.64 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

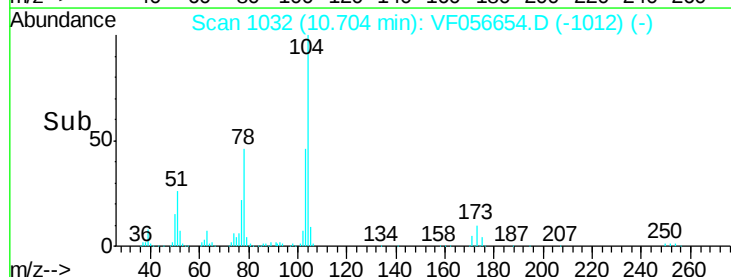
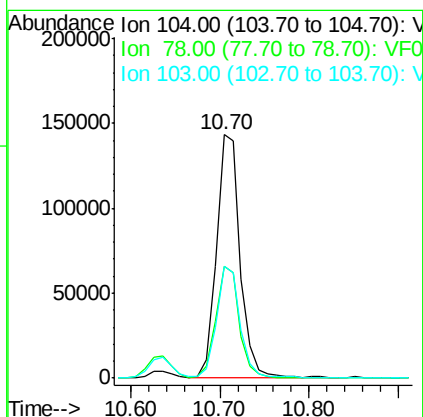
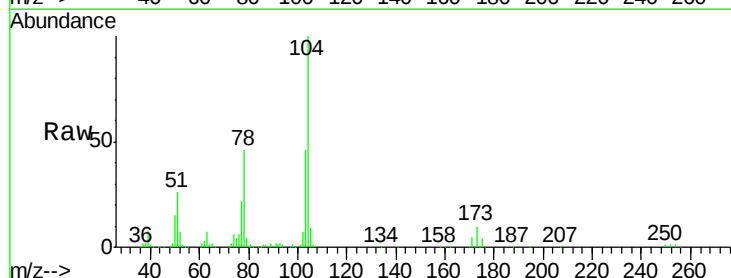
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

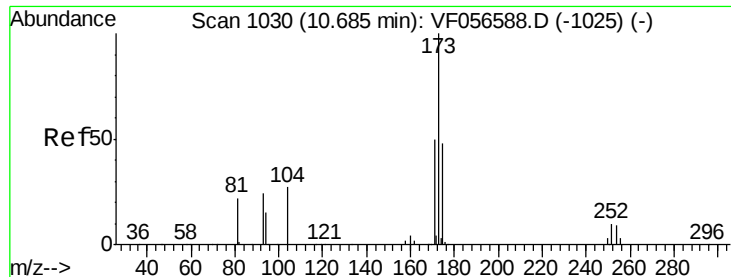
Tgt Ion:106 Resp: 172035
Ion Ratio Lower Upper
106 100
91 226.1 107.6 322.8



#70
Styrene
Concen: 19.23 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion:104 Resp: 265257
Ion Ratio Lower Upper
104 100
78 46.0 36.4 54.6
103 46.1 38.7 58.1





#71

Bromoform

Concen: 18.71 ug/l

RT: 10.68 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

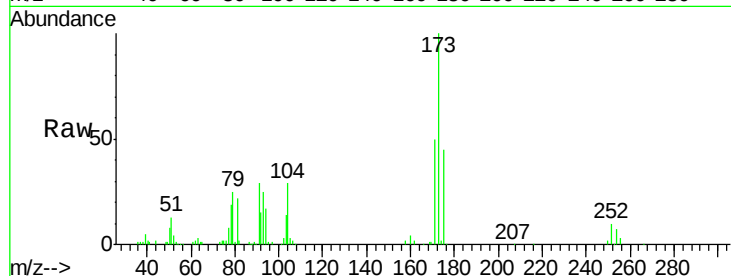
Tgt Ion:173 Resp: 69409

Ion Ratio Lower Upper

173 100

175 44.6 24.0 72.0

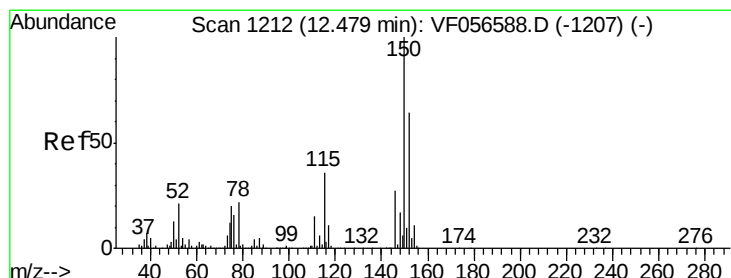
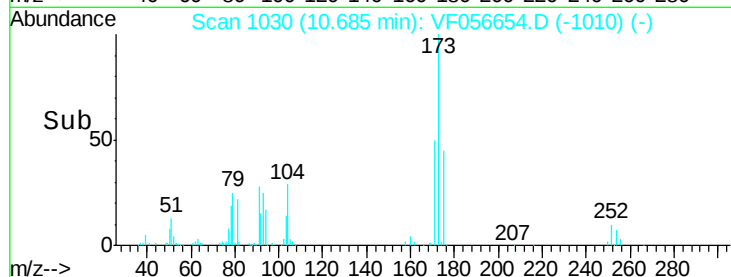
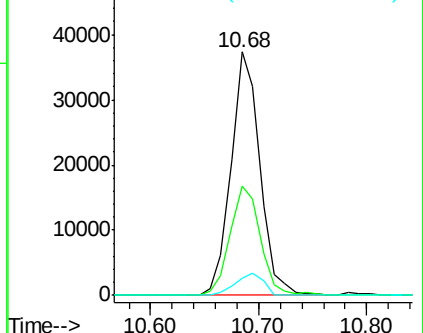
254 7.2 7.5 11.3#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.48 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

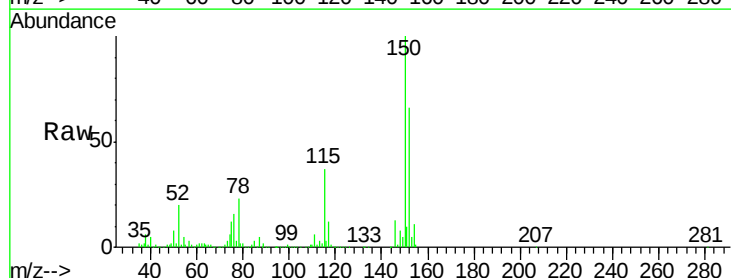
Tgt Ion:152 Resp: 360648

Ion Ratio Lower Upper

152 100

115 55.7 28.1 84.3

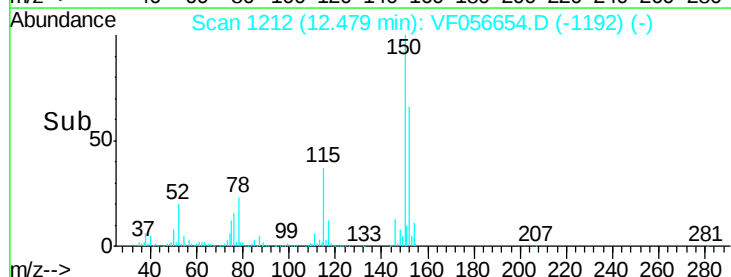
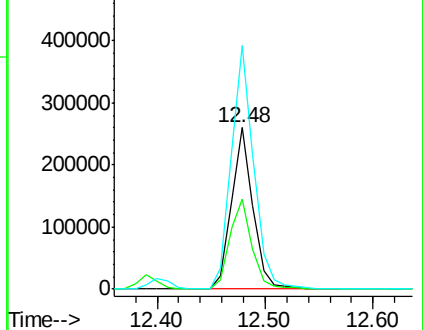
150 150.7 0.0 315.6

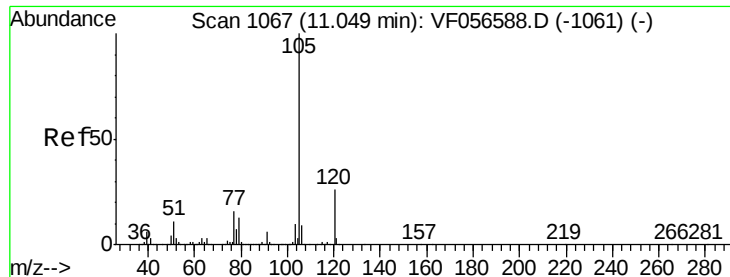


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 19.46 ug/l

RT: 11.05 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

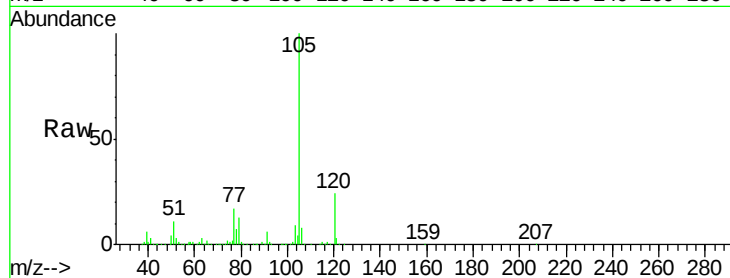
VF0223SBS01

Tgt Ion:105 Resp: 462343

Ion Ratio Lower Upper

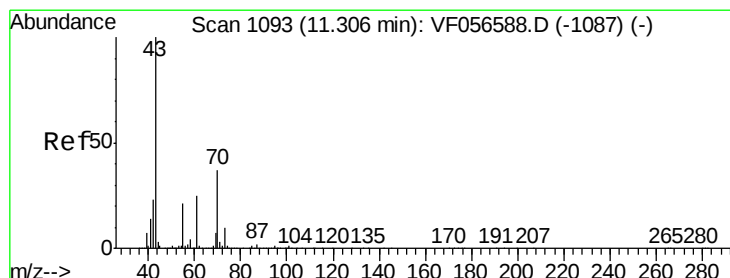
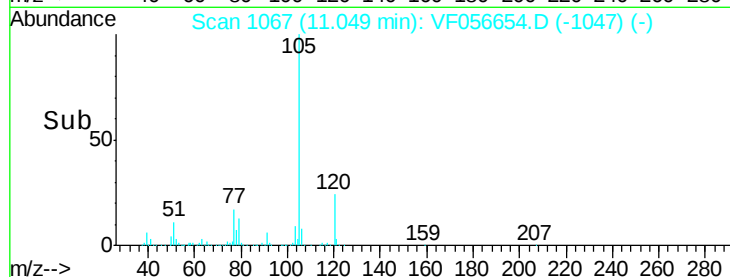
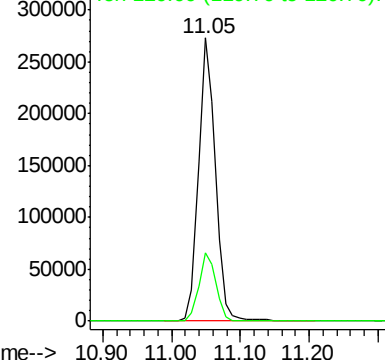
105 100

120 24.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.49 ug/l

RT: 11.31 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion: 43 Resp: 196469

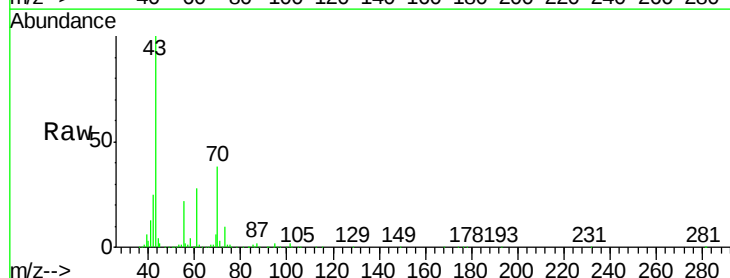
Ion Ratio Lower Upper

43 100

70 37.8 29.5 44.3

55 21.7 17.0 25.4

61 28.3 20.0 30.0

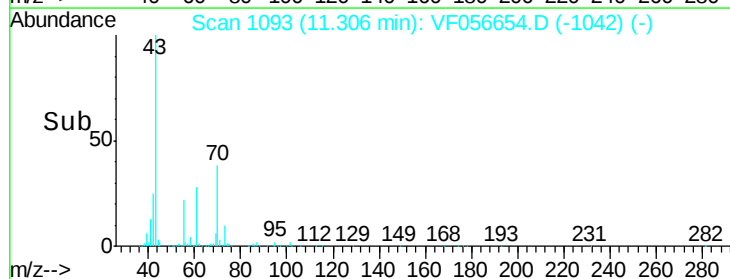
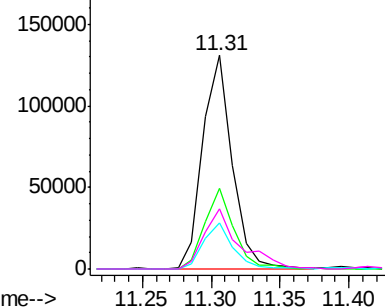


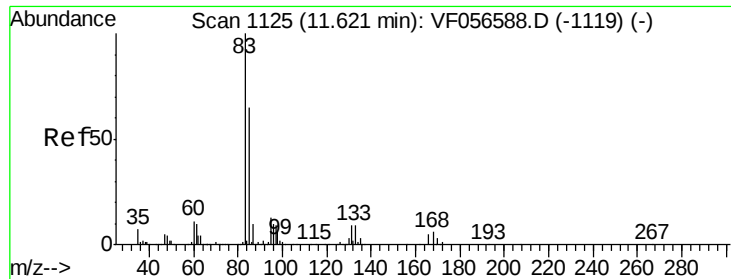
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.16 ug/l

RT: 11.62 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

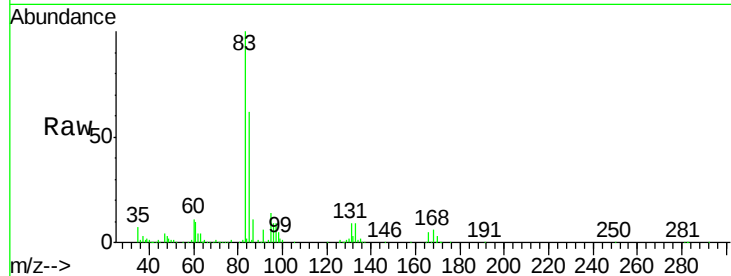
Tgt Ion: 83 Resp: 137691

Ion Ratio Lower Upper

83 100

131 8.6 4.5 13.4

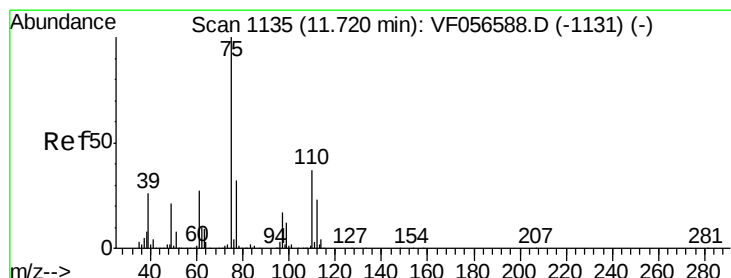
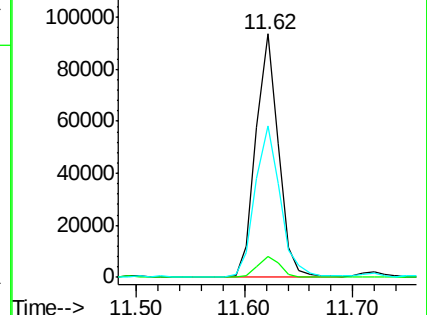
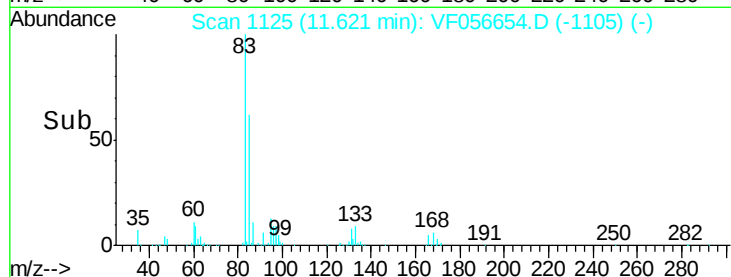
85 62.2 32.4 97.2



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: 19.38 ug/l

RT: 11.72 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF056654.D

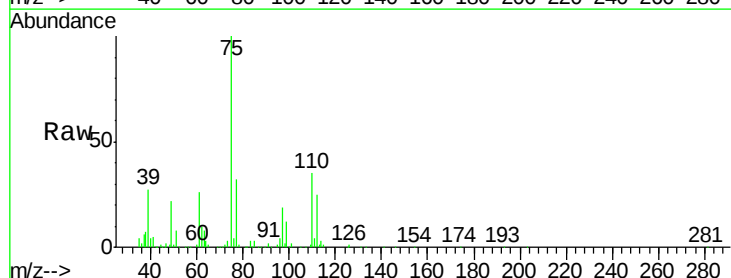
Acq: 23 Feb 2018 14:16

Tgt Ion: 75 Resp: 106863

Ion Ratio Lower Upper

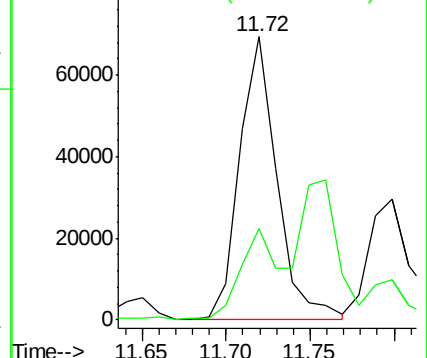
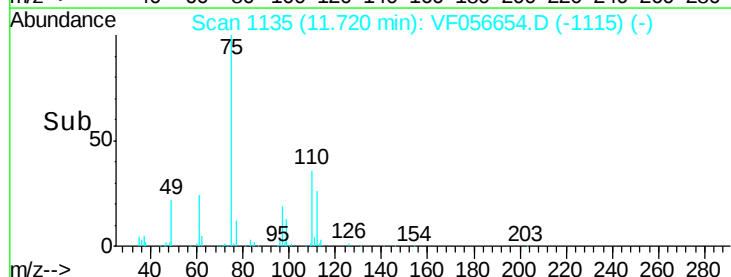
75 100

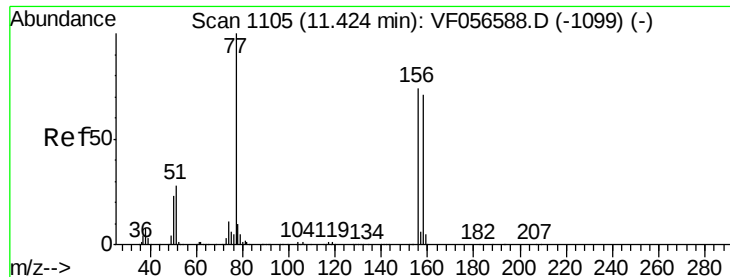
77 32.1 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 18.94 ug/l

RT: 11.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

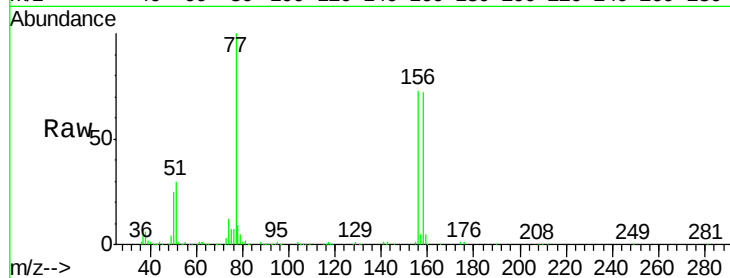
Tgt Ion:156 Resp: 122042

Ion Ratio Lower Upper

156 100

77 136.6 67.3 201.8

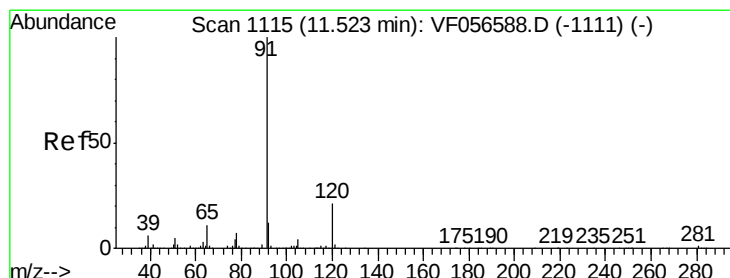
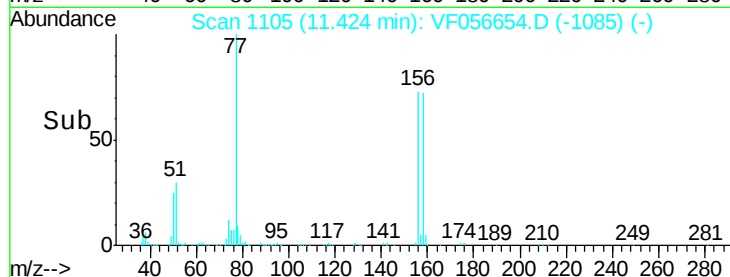
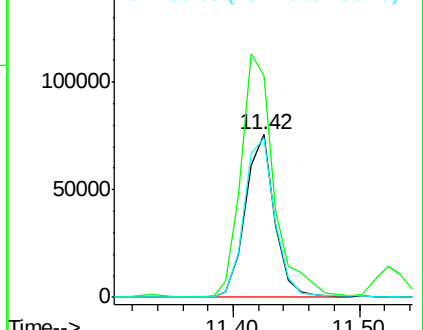
158 97.7 48.0 144.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 19.28 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VF056654.D

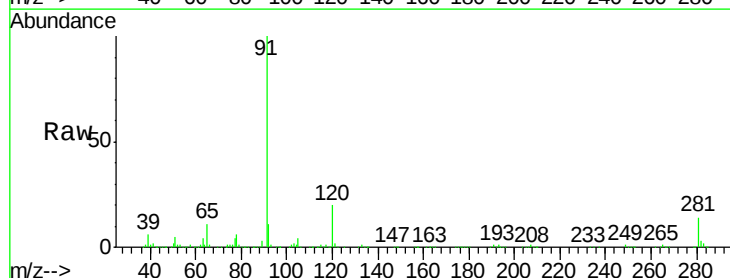
Acq: 23 Feb 2018 14:16

Tgt Ion: 91 Resp: 564361

Ion Ratio Lower Upper

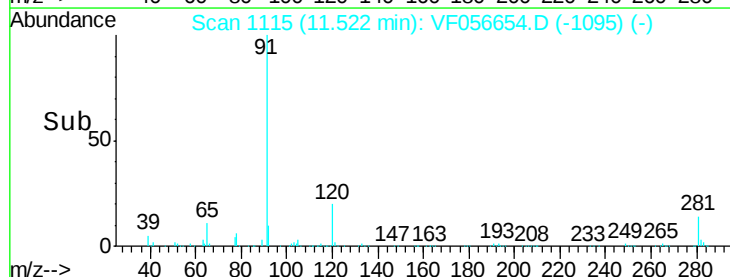
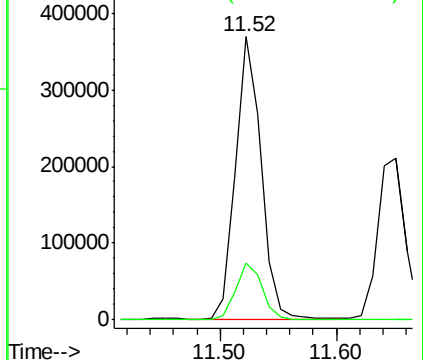
91 100

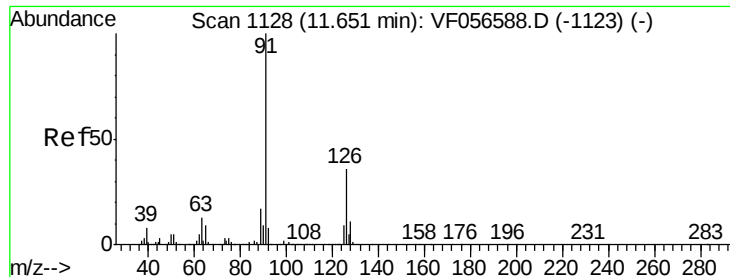
120 20.1 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.87 ug/l

RT: 11.65 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

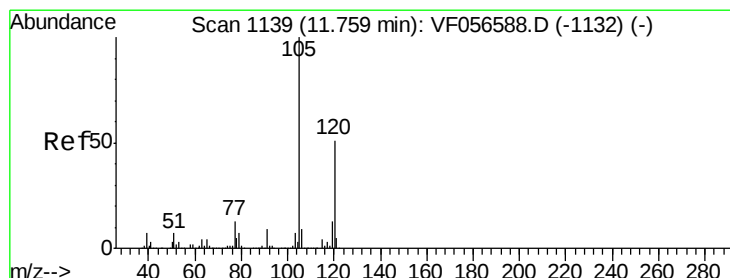
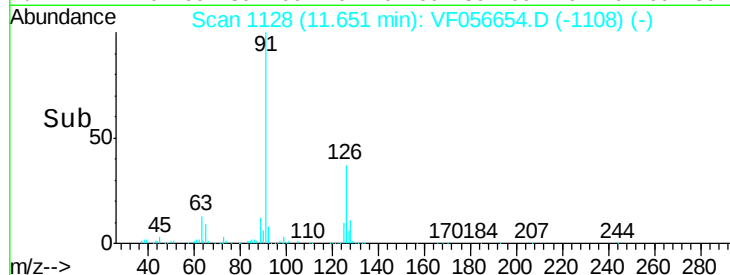
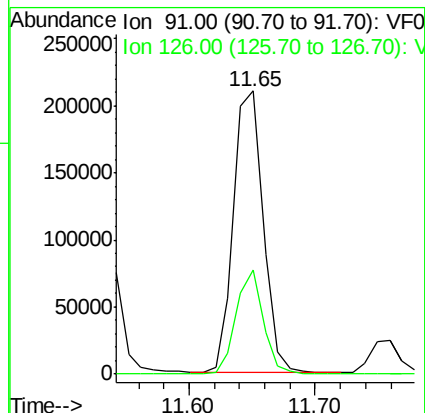
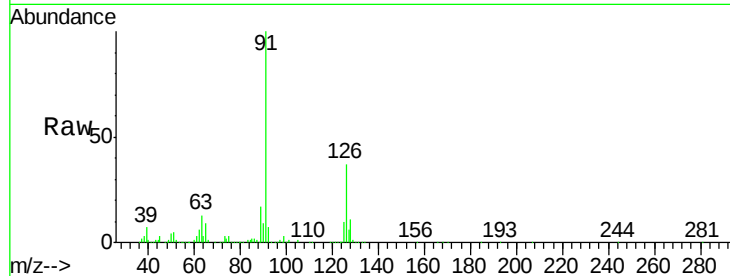
VF0223SBS01

Tgt Ion: 91 Resp: 342366

Ion Ratio Lower Upper

91 100

126 36.7 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 20.02 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF056654.D

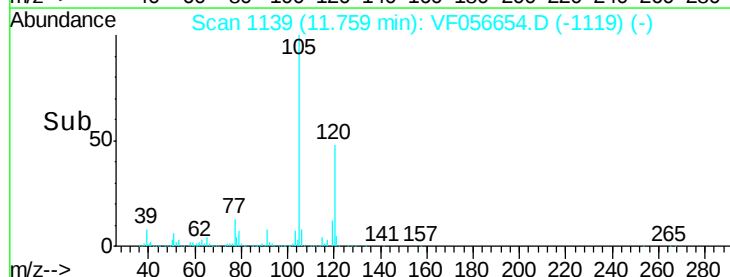
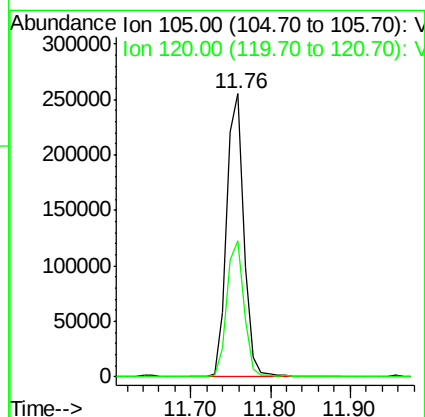
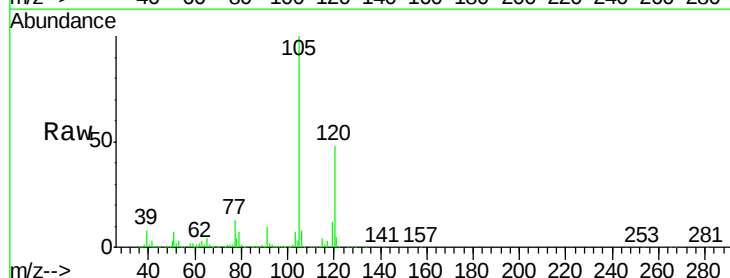
Acq: 23 Feb 2018 14:16

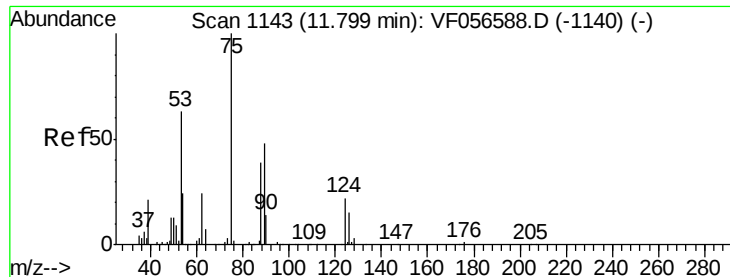
Tgt Ion: 105 Resp: 393994

Ion Ratio Lower Upper

105 100

120 48.3 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.55 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

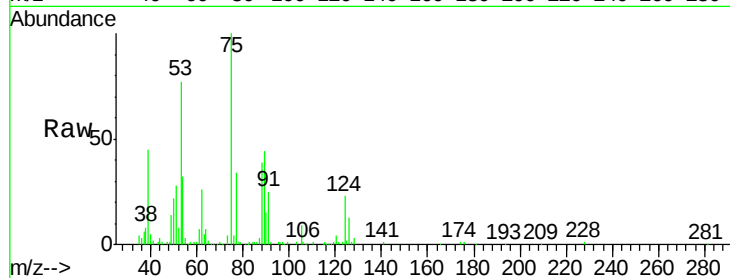
Tgt Ion: 75 Resp: 56032

Ion Ratio Lower Upper

75 100

53 76.8 55.4 83.0

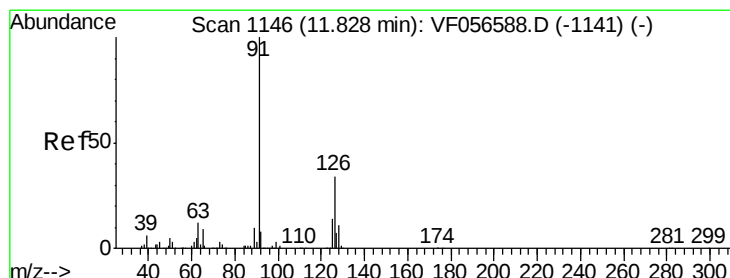
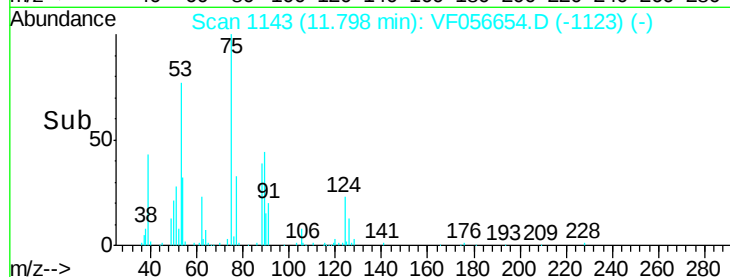
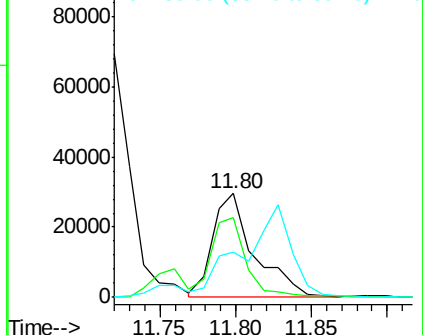
89 44.3 40.4 60.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 19.32 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VF056654.D

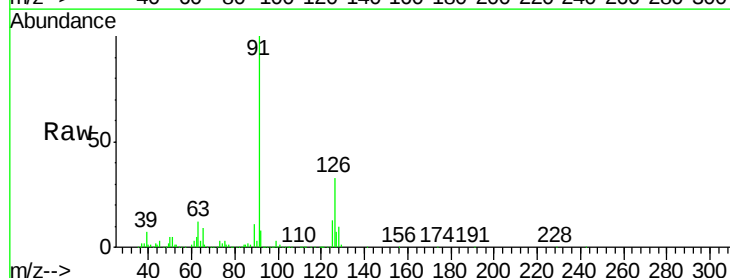
Acq: 23 Feb 2018 14:16

Tgt Ion: 91 Resp: 362264

Ion Ratio Lower Upper

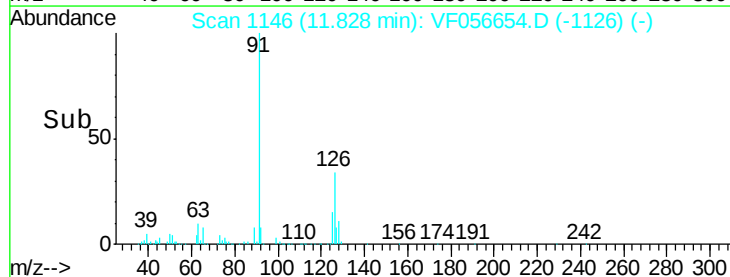
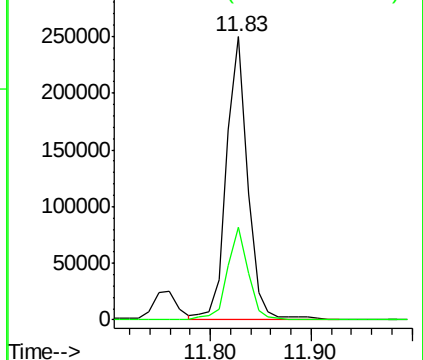
91 100

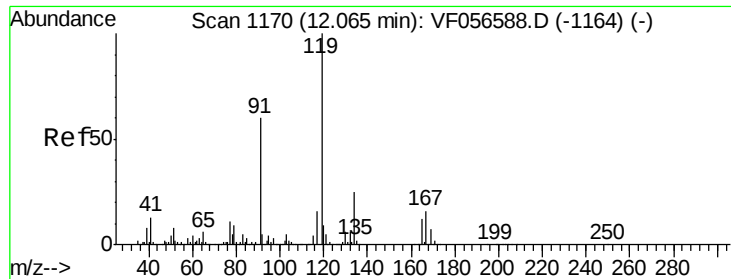
126 32.5 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 19.89 ug/l

RT: 12.06 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

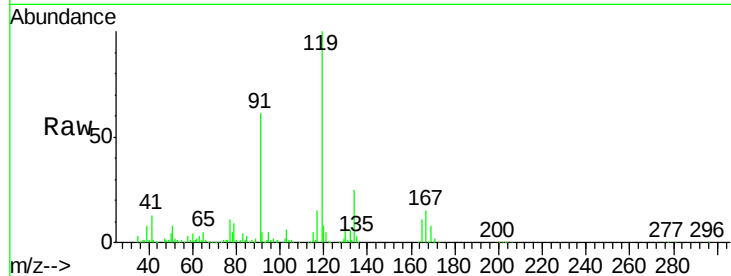
Tgt Ion:119 Resp: 379160

Ion Ratio Lower Upper

119 100

91 60.7 29.8 89.4

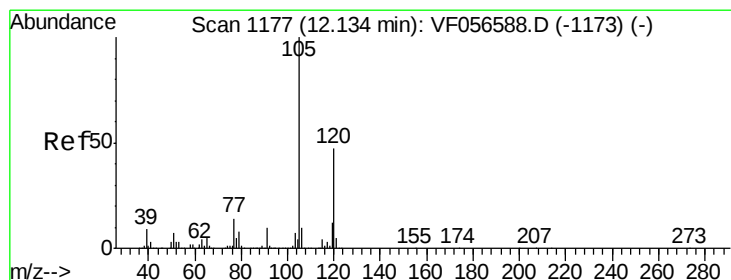
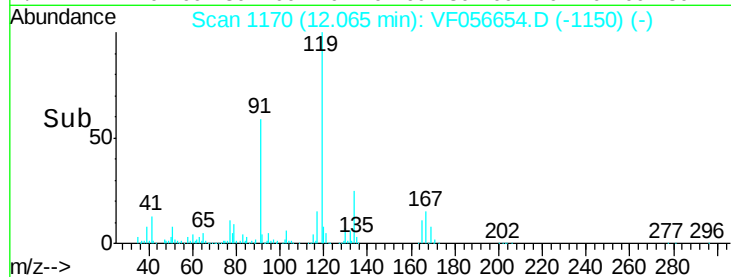
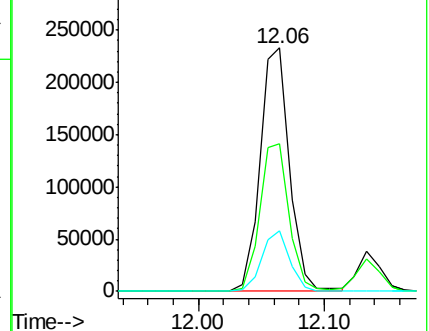
134 24.8 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.38 ug/l

RT: 12.13 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VF056654.D

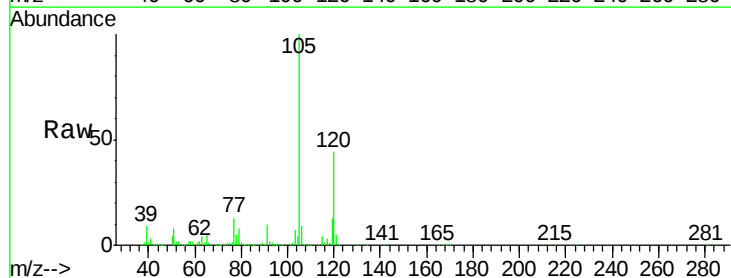
Acq: 23 Feb 2018 14:16

Tgt Ion:105 Resp: 397814

Ion Ratio Lower Upper

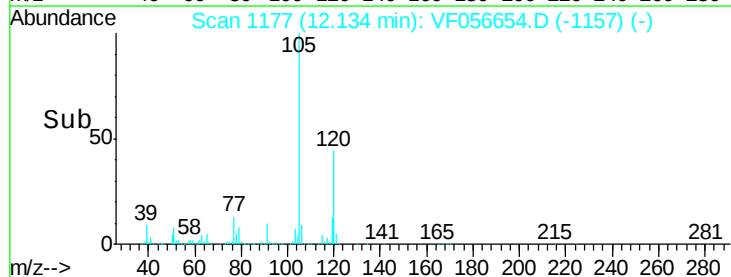
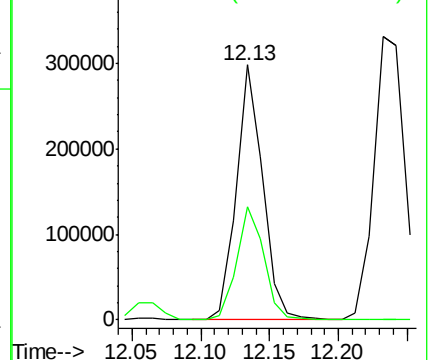
105 100

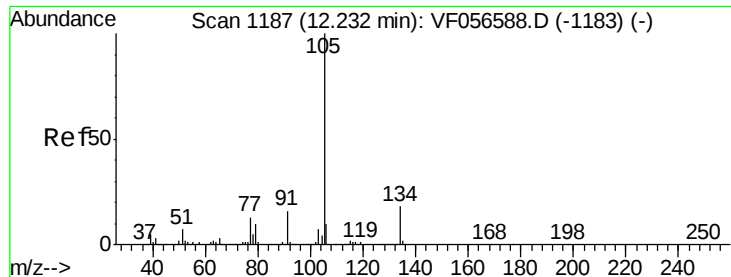
120 44.3 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

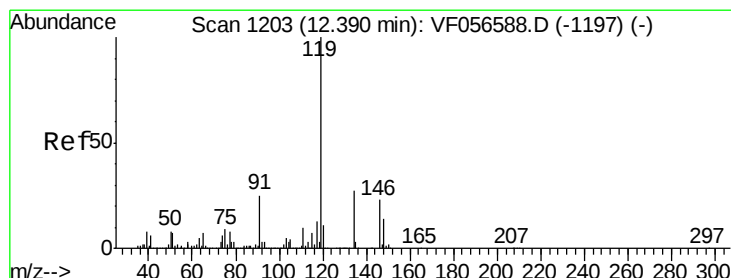
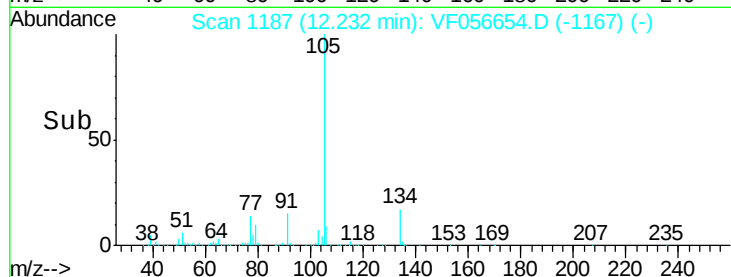
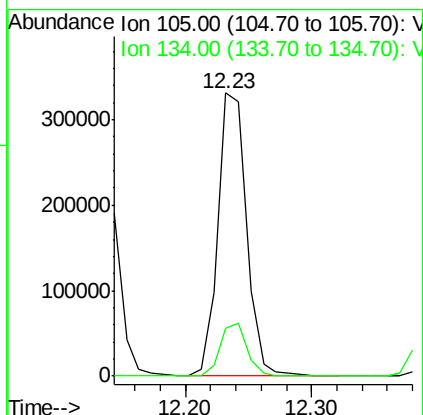
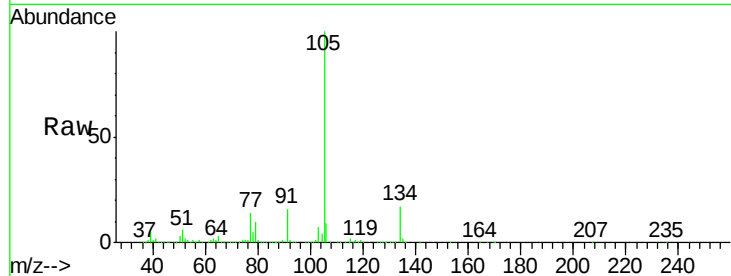




#85
 sec-Butylbenzene
 Concen: 19.80 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

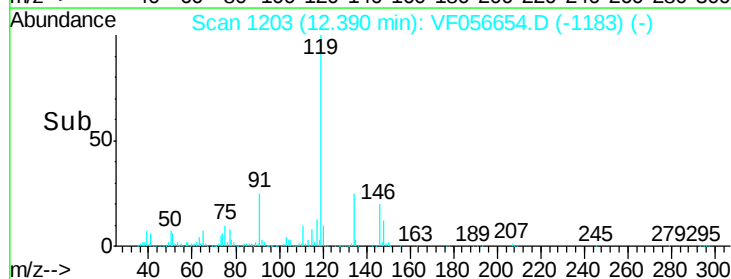
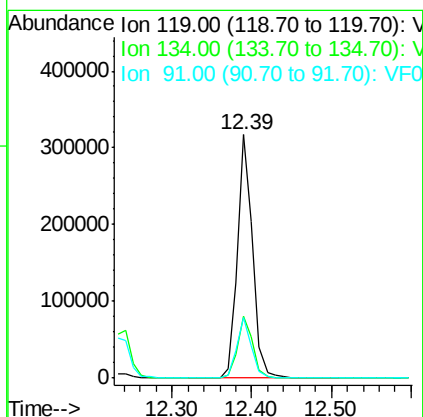
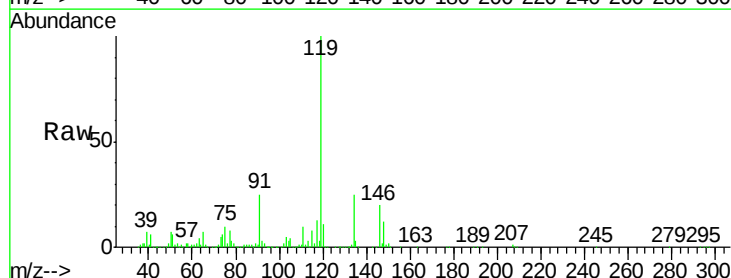
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

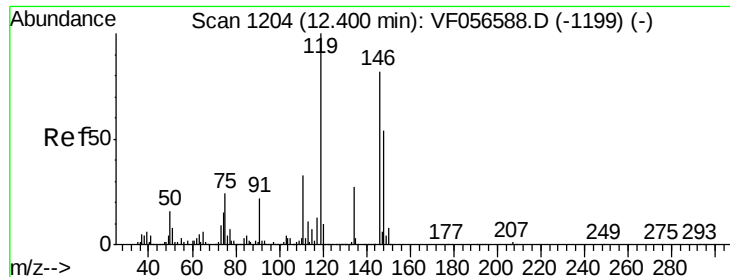
Tgt Ion:105 Resp: 519546
 Ion Ratio Lower Upper
 105 100
 134 17.1 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 20.03 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Tgt Ion:119 Resp: 422054
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.4 40.2
 91 24.6 12.7 38.0

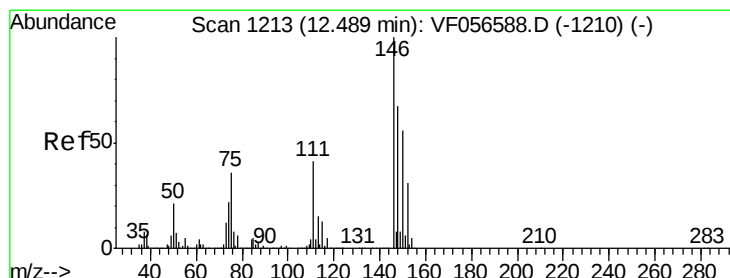
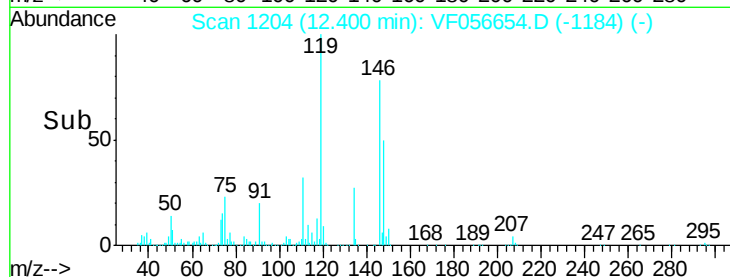
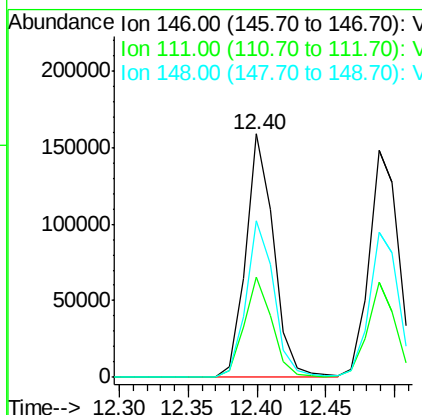
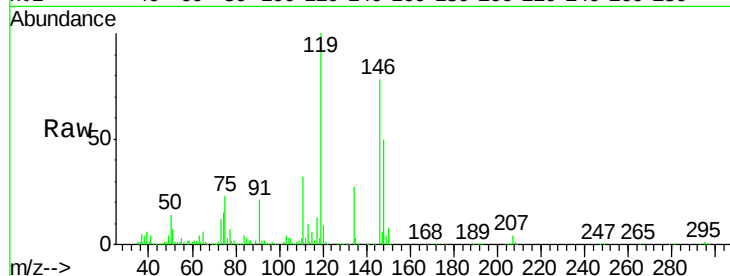




#87
 1,3-Dichlorobenzene
 Concen: 19.05 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

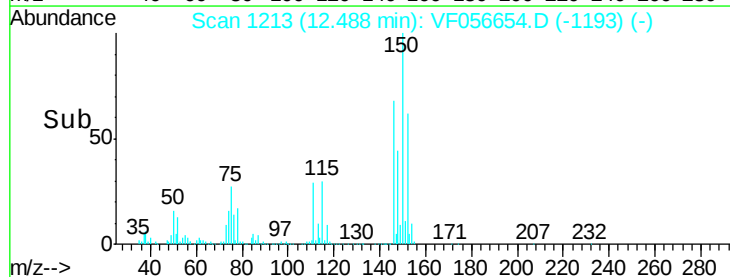
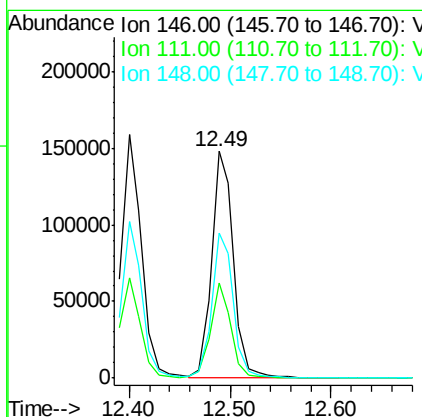
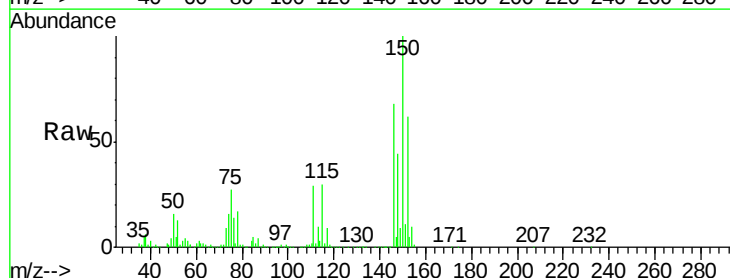
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

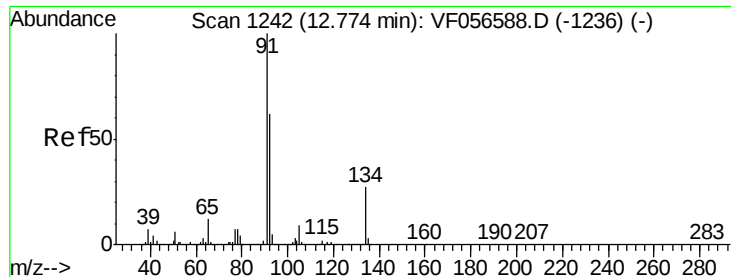
Tgt Ion:146 Resp: 225743
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.0 60.0
 148 64.2 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 19.67 ug/l
 RT: 12.49 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Tgt Ion:146 Resp: 223759
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.6 61.9
 148 64.1 33.4 100.2

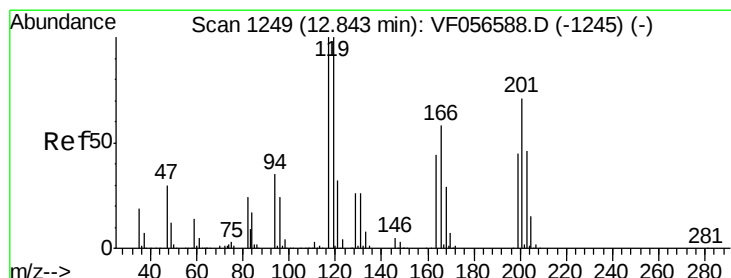
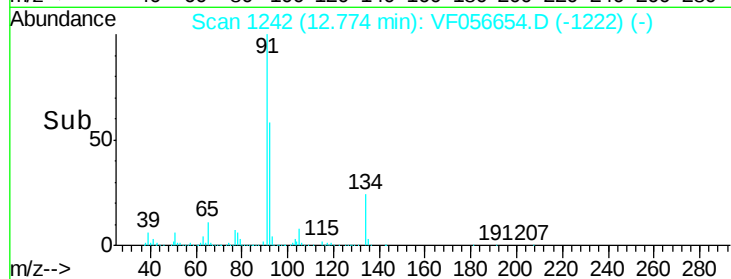
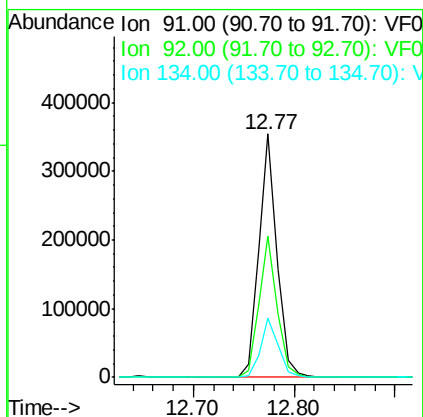
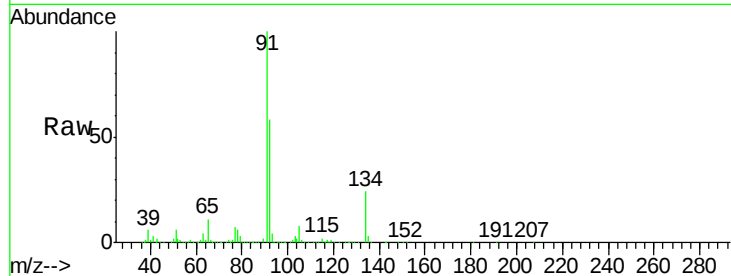




#89
n-Butylbenzene
Concen: 18.37 ug/l
RT: 12.77 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

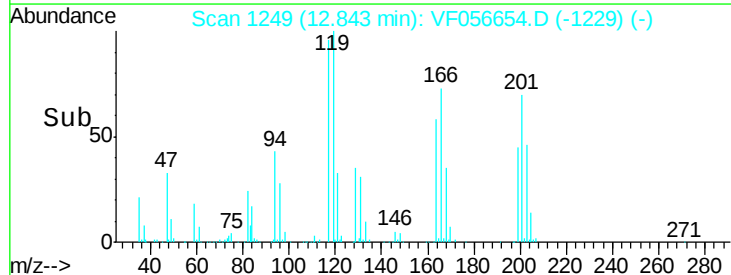
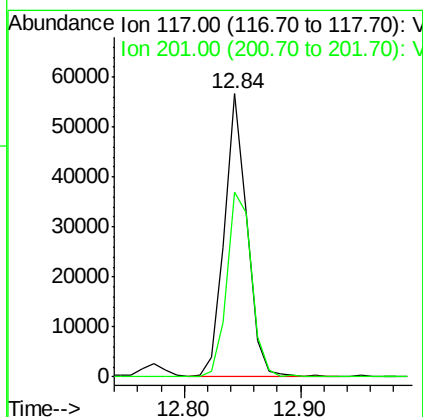
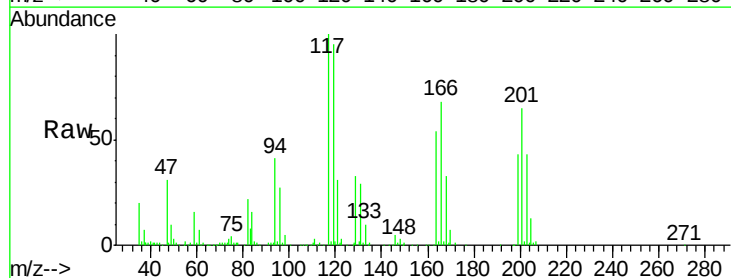
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

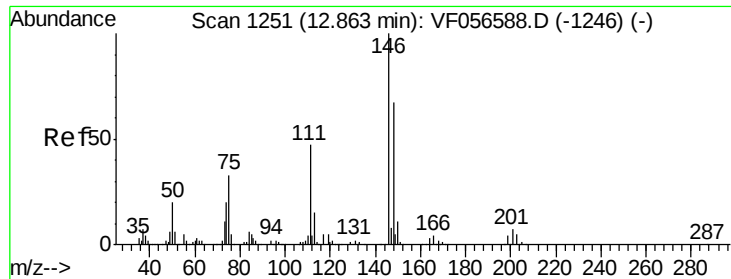
Tgt Ion: 91 Resp: 446234
Ion Ratio Lower Upper
91 100
92 57.9 30.9 92.7
134 24.4 13.7 41.0



#90
Hexachloroethane
Concen: 18.95 ug/l
RT: 12.84 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion: 117 Resp: 76745
Ion Ratio Lower Upper
117 100
201 66.8 35.4 106.2

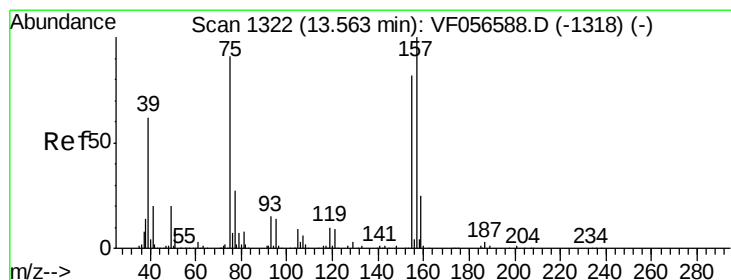
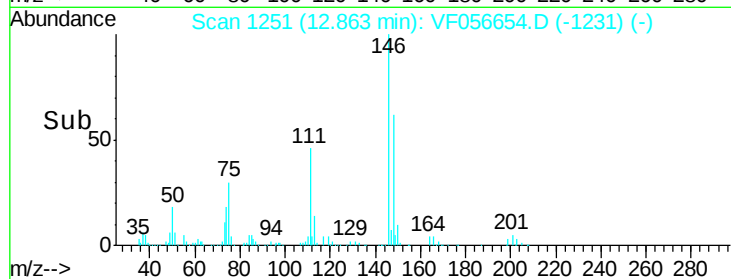
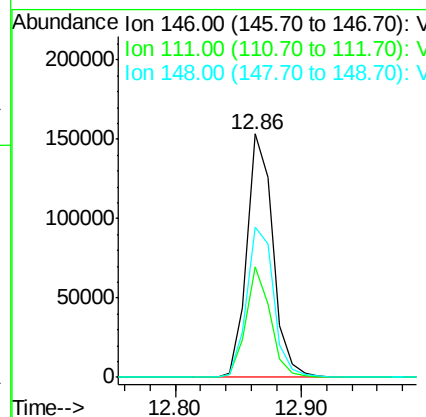
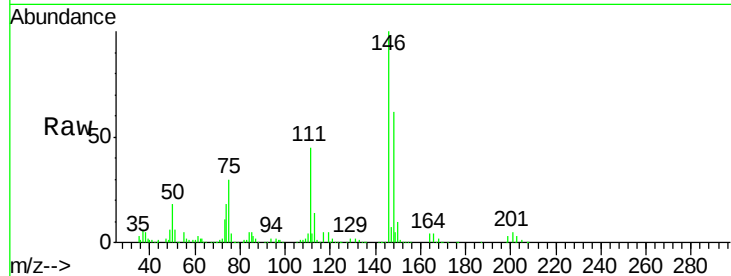




#91
 1,2-Dichlorobenzene
 Concen: 19.32 ug/l
 RT: 12.86 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

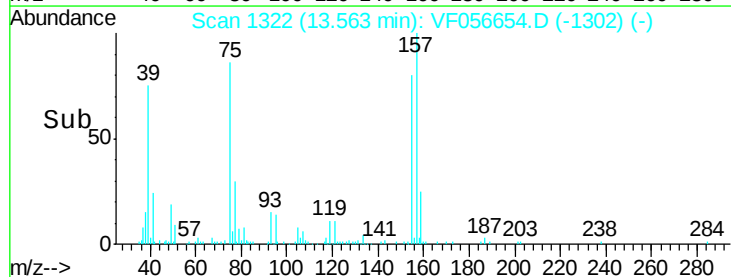
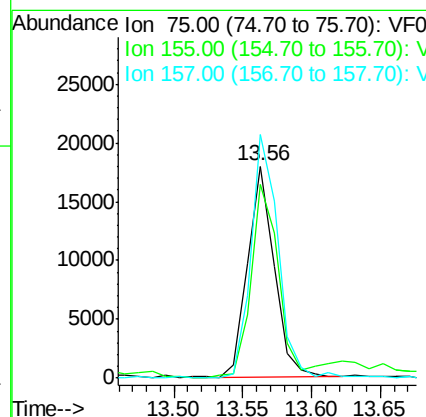
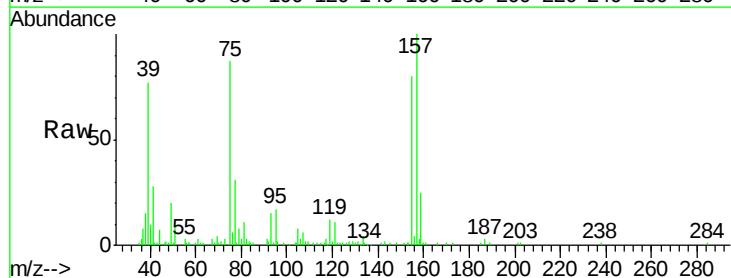
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

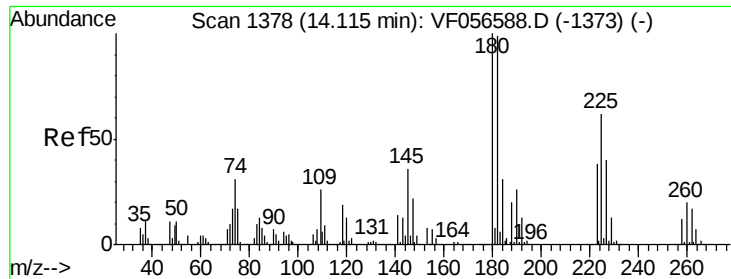
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	23.4	70.3
148	61.8	33.6	100.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.11 ug/l
 RT: 13.56 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	45.1	135.3
157	115.1	54.9	164.8

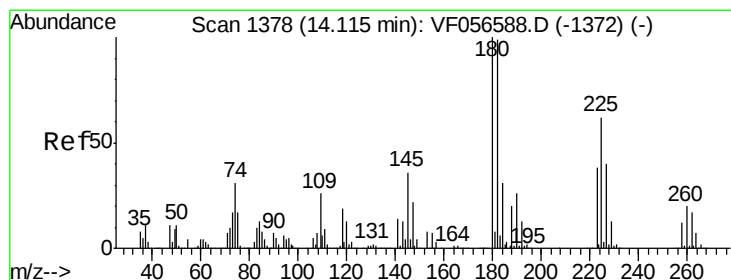
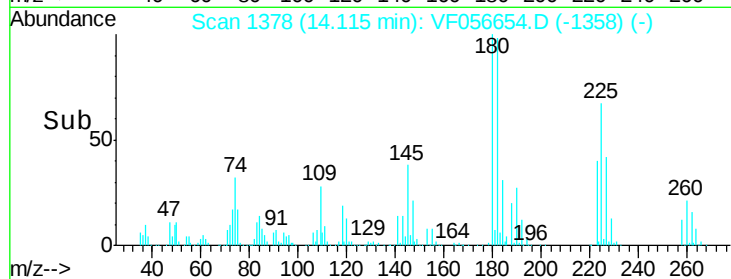
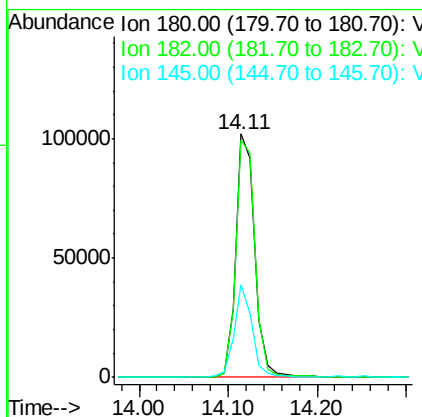
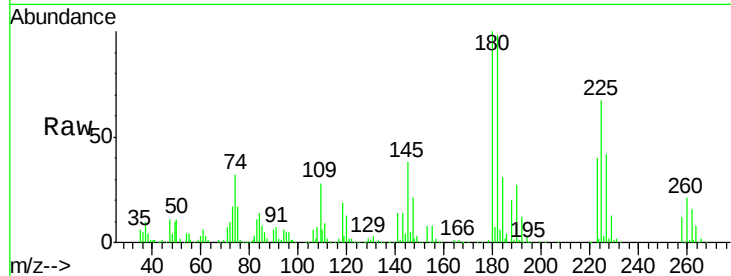




#93
 1,2,4-Trichlorobenzene
 Concen: 19.82 ug/l
 RT: 14.11 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

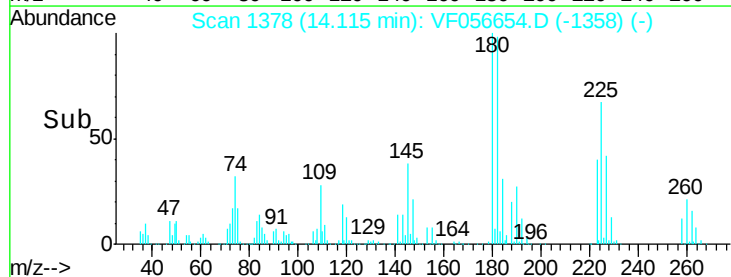
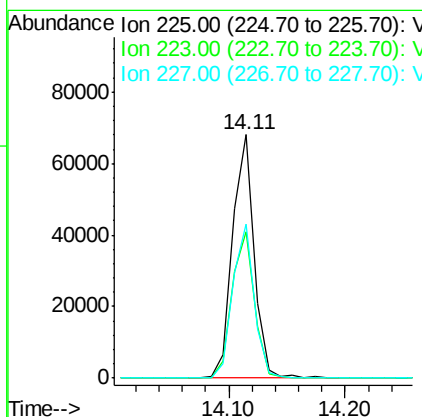
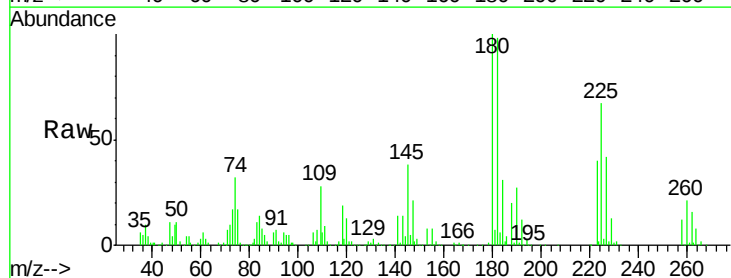
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

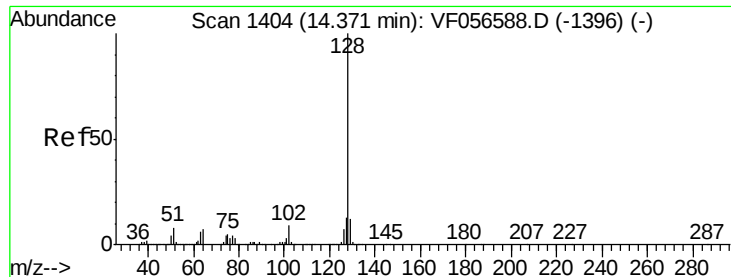
Tgt Ion:180 Resp: 152999
 Ion Ratio Lower Upper
 180 100
 182 97.7 49.5 148.5
 145 37.8 17.8 53.5



#94
 Hexachlorobutadiene
 Concen: 19.85 ug/l
 RT: 14.11 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Tgt Ion:225 Resp: 87388
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.1 93.3
 227 63.1 32.1 96.3

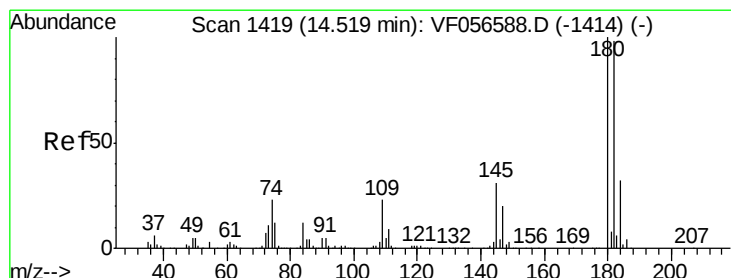
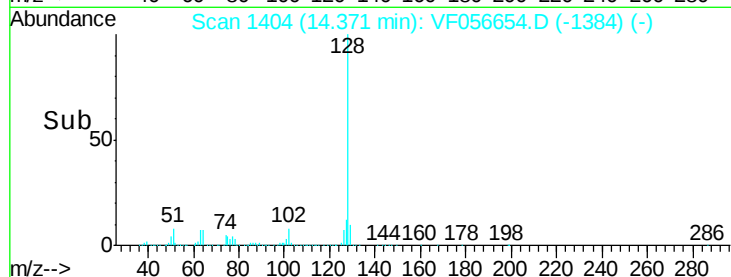
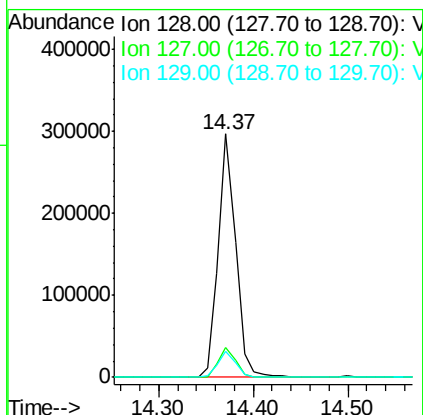
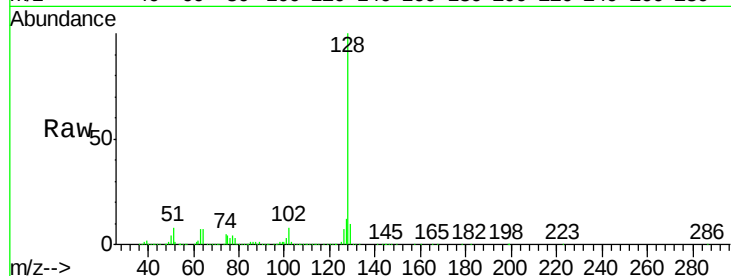




#95
Naphthalene
Concen: 19.73 ug/l
RT: 14.37 min Scan# 1404
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion:128 Resp: 382982
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 10.4 9.4 14.0



#96
1,2,3-Trichlorobenzene
Concen: 19.52 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion:180 Resp: 145581
Ion Ratio Lower Upper
180 100
182 93.3 49.0 147.2
145 31.3 15.4 46.1

