

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056655.D
 Acq On : 23 Feb 2018 14:43
 Operator : JC/SY
 Sample : VF0223SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBSD01

Quant Time: Feb 24 00:46:38 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	444215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.52	114	683629	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.69	117	664026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	348044	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.76	65	289069	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
35) Dibromofluoromethane	4.03	113	261908	50.94	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	7.48	98	745996	48.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.80%	
62) 4-Bromofluorobenzene	11.34	95	360855	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.93	85	91721	20.47	ug/l	95
3) Chloromethane	1.02	50	88899	17.79	ug/l	99
4) Vinyl Chloride	1.08	62	68758	19.37	ug/l	98
5) Bromomethane	1.25	94	37542	18.91	ug/l	99
6) Chloroethane	1.33	64	22276	15.17	ug/l	# 88
7) Trichlorofluoromethane	1.39	101	23687	6.40	ug/l	92
8) Diethyl Ether	1.60	74	25797	19.43	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.78	101	66696	21.28	ug/l	95
10) Methyl Iodide	1.83	142	123793	21.19	ug/l	96
11) Tert butyl alcohol	2.51	59	43702	120.57	ug/l	94
12) 1,1-Dichloroethene	1.74	96	52525	18.19	ug/l	99
13) Acrolein	1.95	56	41823	107.79	ug/l	87
14) Allyl chloride	2.05	41	98323	19.81	ug/l	87
15) Acrylonitrile	2.87	53	97104	106.31	ug/l	95
16) Acetone	2.19	43	167147	105.76	ug/l	97
17) Carbon Disulfide	1.73	76	153054	20.33	ug/l	# 90
18) Methyl Acetate	2.38	43	54442	14.89	ug/l	96
19) Methyl tert-butyl Ether	2.38	73	181026	21.20	ug/l	94
20) Methylene Chloride	2.13	84	74057	24.62	ug/l	86
21) trans-1,2-Dichloroethene	2.26	96	57238	18.82	ug/l	97
22) Diisopropyl ether	2.74	45	234371	21.07	ug/l	94
23) Vinyl Acetate	3.13	43	883022	97.55	ug/l	100
24) 1,1-Dichloroethane	2.81	63	130581	21.25	ug/l	99
25) 2-Butanone	4.25	43	268514	95.54	ug/l	98
26) 2,2-Dichloropropane	3.53	77	71144	20.92	ug/l	97
27) cis-1,2-Dichloroethene	3.40	96	97235	19.03	ug/l	95
28) Bromochloromethane	3.64	49	67816	18.30	ug/l	# 99
29) Tetrahydrofuran	3.99	42	125768	96.65	ug/l	97
30) Chloroform	3.79	83	175826	19.99	ug/l	98
31) Cyclohexane	3.64	56	118988	18.03	ug/l	91
32) 1,1,1-Trichloroethane	4.01	97	114554	21.50	ug/l	98
36) 1,1-Dichloropropene	4.21	75	118126	18.35	ug/l	96
37) Ethyl Acetate	4.02	43	114776	19.94	ug/l	94
38) Carbon Tetrachloride	3.91	117	102955	21.49	ug/l	93

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 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)
39) Methylcyclohexane	5.39	83	134416	19.31	ug/l	92
40) Benzene	4.55	78	318341	19.50	ug/l	99
41) Methacrylonitrile	4.66	41	56263	20.14	ug/l	92
42) 1,2-Dichloroethane	4.86	62	133575	21.05	ug/l	99
43) Isopropyl Acetate	6.88	43	134791	19.10	ug/l	98
44) Trichloroethene	5.43	130	96055	20.05	ug/l	95
45) 1,2-Dichloropropane	6.15	63	93531	20.11	ug/l	98
46) Dibromomethane	6.00	93	70443	19.69	ug/l	94
47) Bromodichloromethane	6.30	83	134606	20.36	ug/l	92
48) Methyl methacrylate	6.64	41	86028	20.81	ug/l	96
49) 1,4-Dioxane	6.62	88	13827	324.41	ug/l #	81
51) 4-Methyl-2-Pentanone	8.18	43	499829	103.56	ug/l	100
52) Toluene	7.55	92	214165	19.70	ug/l	91
53) t-1,3-Dichloropropene	8.19	75	134512	20.20	ug/l	100
54) cis-1,3-Dichloropropene	7.23	75	156108	20.14	ug/l	99
55) 1,1,2-Trichloroethane	8.41	97	90254	20.96	ug/l	96
56) Ethyl methacrylate	8.55	69	113090	20.11	ug/l	96
57) 1,3-Dichloropropane	8.76	76	151880	20.28	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.54	63	32469	42.46	ug/l	100
59) 2-Hexanone	9.40	43	409577	104.55	ug/l	99
60) Dibromochloromethane	8.63	129	107376	20.56	ug/l	94
61) 1,2-Dibromoethane	8.90	107	102881	20.63	ug/l	94
64) Tetrachloroethene	8.07	164	89008	18.62	ug/l	99
65) Chlorobenzene	9.71	112	257729	19.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.84	131	86339	19.25	ug/l	96
67) Ethyl Benzene	9.82	91	441533	19.90	ug/l	99
68) m/p-Xylenes	10.05	106	308968	38.07	ug/l	90
69) o-Xylene	10.64	106	170352	20.22	ug/l	97
70) Styrene	10.72	104	277114	20.76	ug/l	96
71) Bromoform	10.69	173	69867	19.46	ug/l	98
73) Isopropylbenzene	11.05	105	460973	20.11	ug/l	95
74) N-amyl acetate	11.31	43	192402	18.76	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.62	83	137788	19.87	ug/l	97
76) 1,2,3-Trichloropropane	11.72	75	108722	20.43	ug/l	98
77) Bromobenzene	11.43	156	120950	19.45	ug/l	97
78) n-propylbenzene	11.52	91	570116	20.19	ug/l	98
79) 2-Chlorotoluene	11.65	91	329960	19.84	ug/l	98
80) 1,3,5-Trimethylbenzene	11.76	105	380372	20.02	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.80	75	56041	19.22	ug/l	91
82) 4-Chlorotoluene	11.83	91	360091	19.90	ug/l	98
83) tert-Butylbenzene	12.07	119	372606	20.26	ug/l	99
84) 1,2,4-Trimethylbenzene	12.14	105	395165	19.95	ug/l	95
85) sec-Butylbenzene	12.23	105	499224	19.71	ug/l	96
86) p-Isopropyltoluene	12.39	119	407836	20.06	ug/l	98
87) 1,3-Dichlorobenzene	12.40	146	223634	19.55	ug/l	99
88) 1,4-Dichlorobenzene	12.49	146	217288	19.79	ug/l	99
89) n-Butylbenzene	12.78	91	433533	18.55	ug/l	96
90) Hexachloroethane	12.84	117	74621	19.09	ug/l	91
91) 1,2-Dichlorobenzene	12.86	146	216711	19.75	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.56	75	23631	18.29	ug/l	93

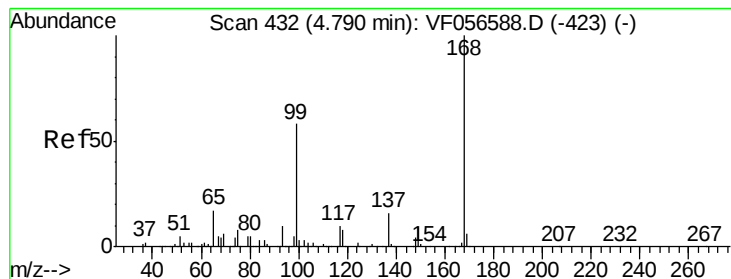
Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.12	180	150806	20.25	ug/l	98
94) Hexachlorobutadiene	14.12	225	80805	19.02	ug/l	94
95) Naphthalene	14.37	128	368982	19.69	ug/l	98
96) 1,2,3-Trichlorobenzene	14.52	180	139487	19.38	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.79 min Scan# 432

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

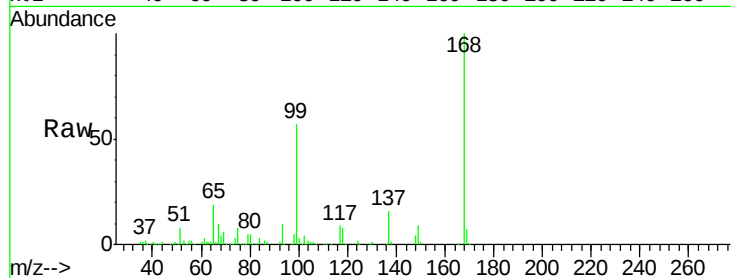
VF0223SBS01

Tgt Ion:168 Resp: 444215

Ion Ratio Lower Upper

168 100

99 56.8 46.2 69.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.79

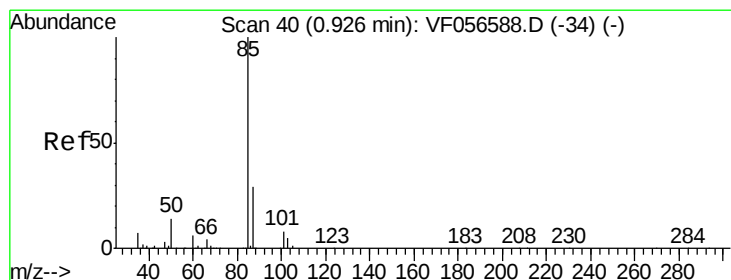
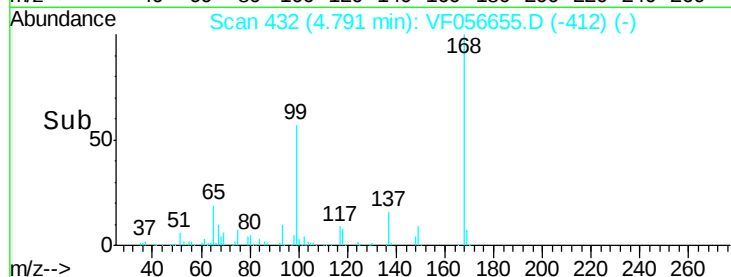
150000

100000

50000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 20.47 ug/l

RT: 0.93 min Scan# 40

Delta R.T. 0.00 min

Lab File: VF056655.D

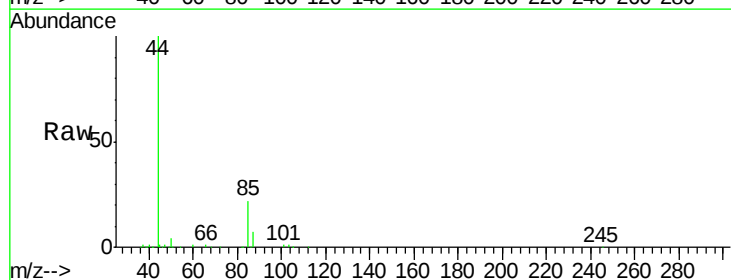
Acq: 23 Feb 2018 14:43

Tgt Ion: 85 Resp: 91721

Ion Ratio Lower Upper

85 100

87 32.1 14.7 44.1



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.93

30000

25000

20000

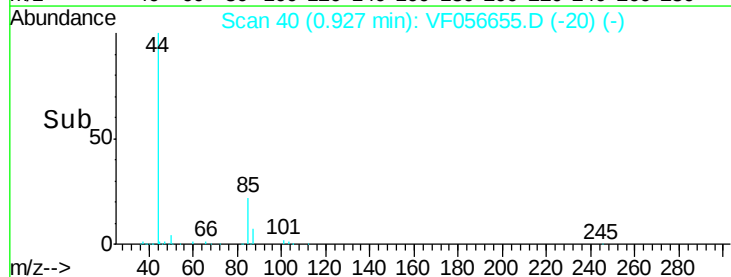
15000

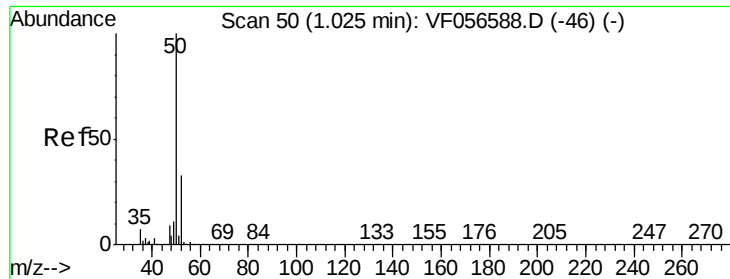
10000

5000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 17.79 ug/l

RT: 1.02 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

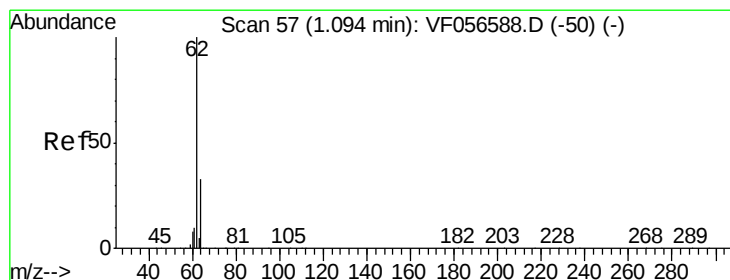
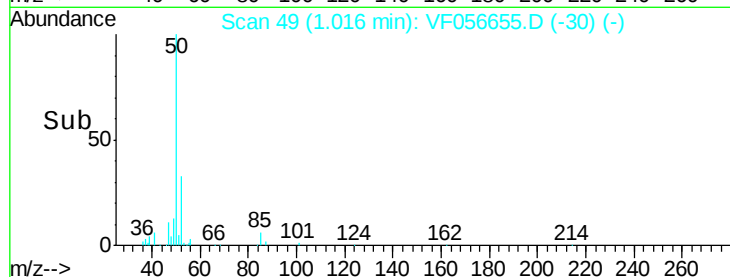
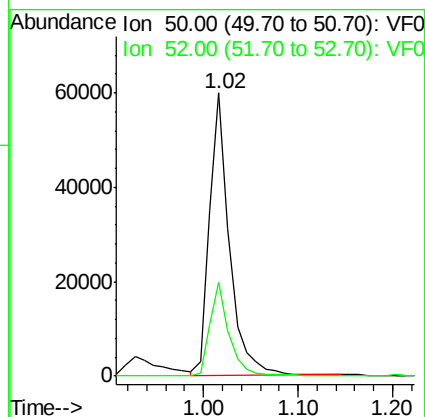
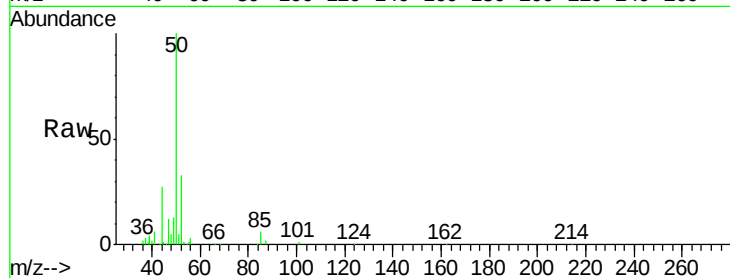
VF0223SBS01

Tgt Ion: 50 Resp: 88899

Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.8



#4

Vinyl Chloride

Concen: 19.37 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.02 min

Lab File: VF056655.D

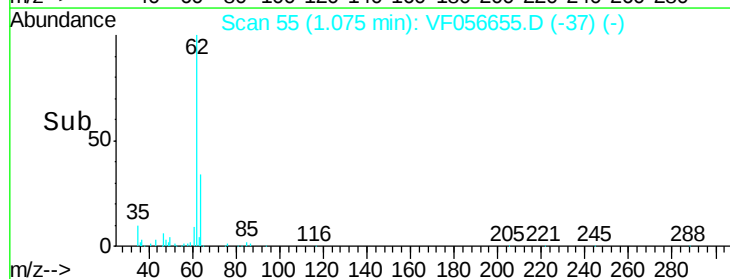
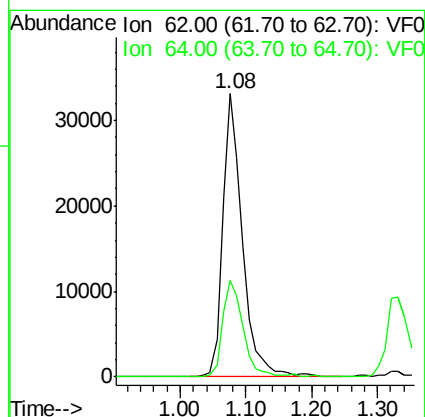
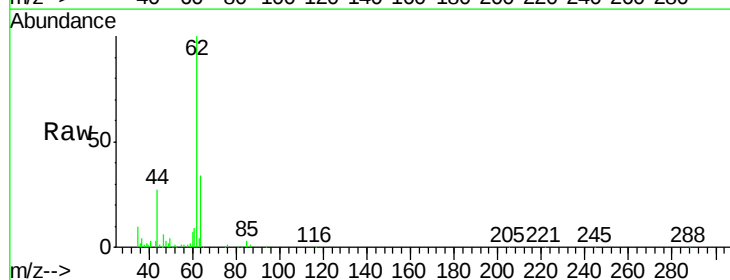
Acq: 23 Feb 2018 14:43

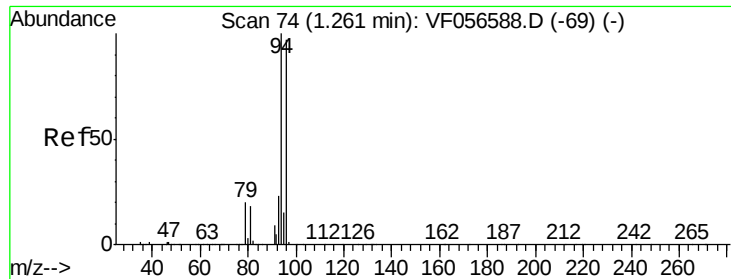
Tgt Ion: 62 Resp: 68758

Ion Ratio Lower Upper

62 100

64 34.1 26.4 39.6





#5

Bromomethane

Concen: 18.91 ug/l

RT: 1.25 min Scan# 73

Delta R.T. -0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

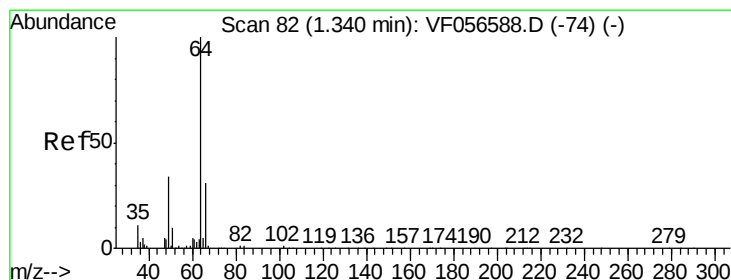
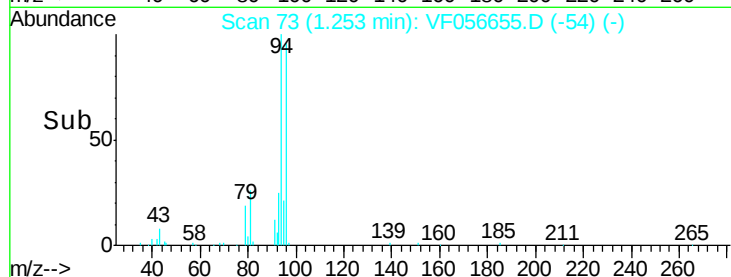
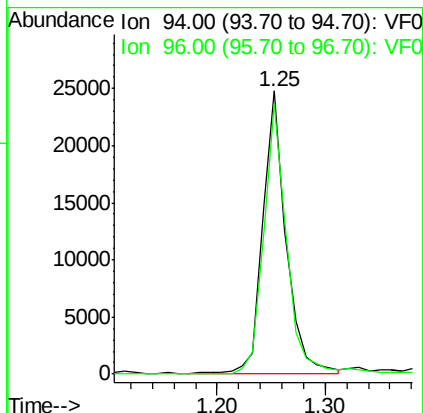
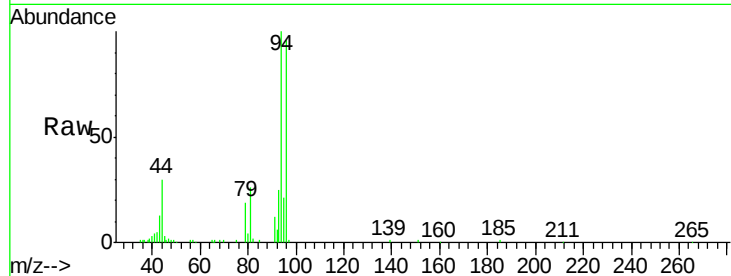
VF0223SBSD01

Tgt Ion: 94 Resp: 37542

Ion Ratio Lower Upper

94 100

96 95.7 77.4 116.0



#6

Chloroethane

Concen: 15.17 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF056655.D

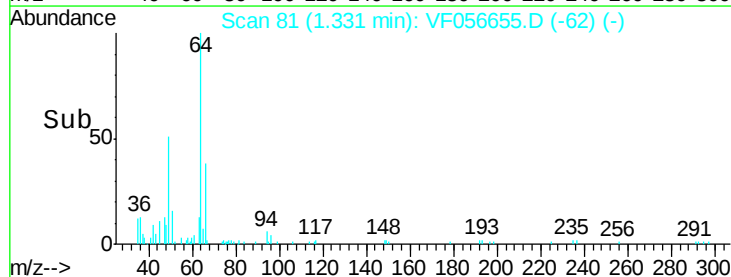
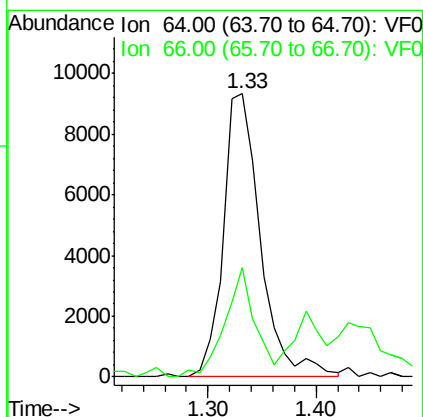
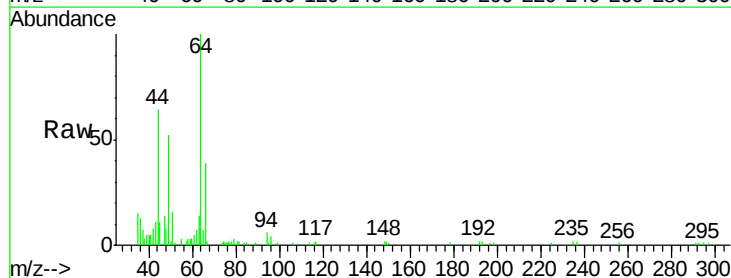
Acq: 23 Feb 2018 14:43

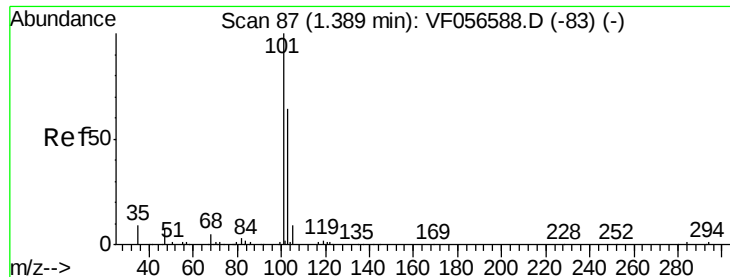
Tgt Ion: 64 Resp: 22276

Ion Ratio Lower Upper

64 100

66 38.6 25.4 38.2#





#7

Trichlorofluoromethane

Concen: 6.40 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

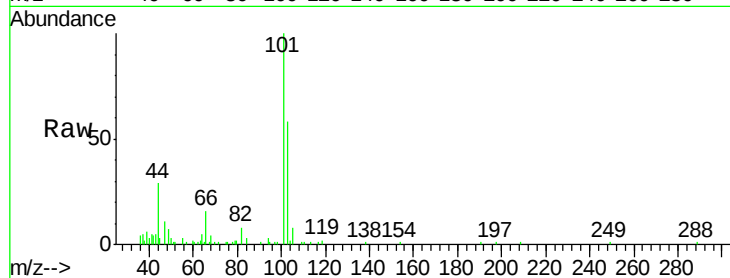
VF0223SBS01

Tgt Ion:101 Resp: 23687

Ion Ratio Lower Upper

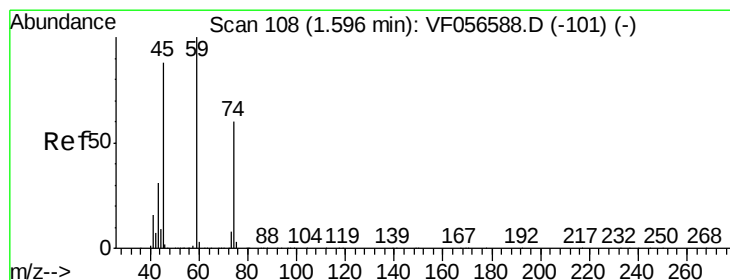
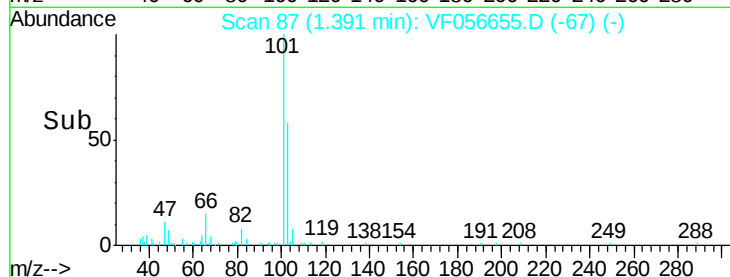
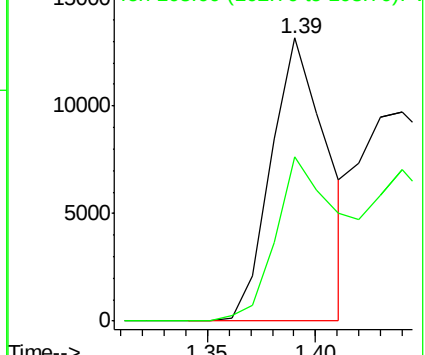
101 100

103 58.2 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: 19.43 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.00 min

Lab File: VF056655.D

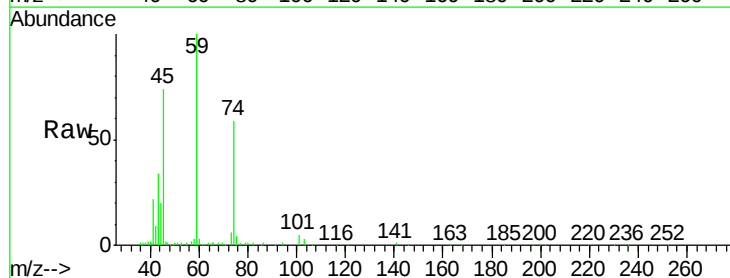
Acq: 23 Feb 2018 14:43

Tgt Ion: 74 Resp: 25797

Ion Ratio Lower Upper

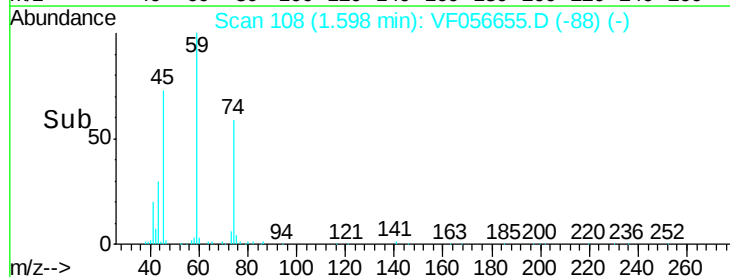
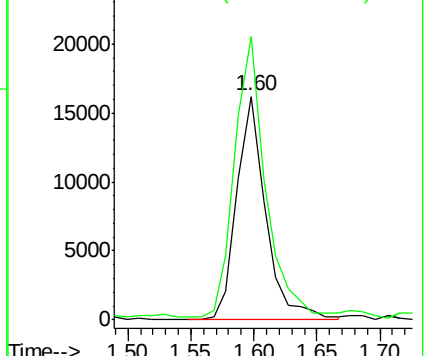
74 100

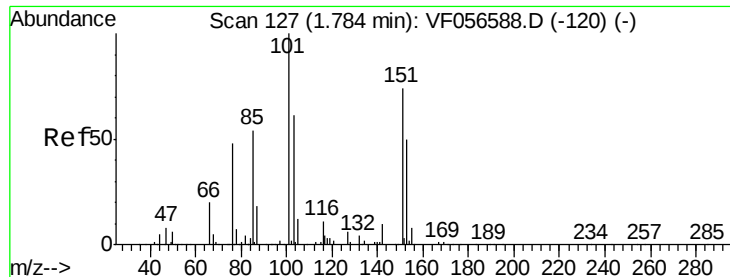
45 126.6 73.5 220.3



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: 21.28 ug/l

RT: 1.78 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

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MSVOA_F

ClientSampleId :

VF0223SBSD01

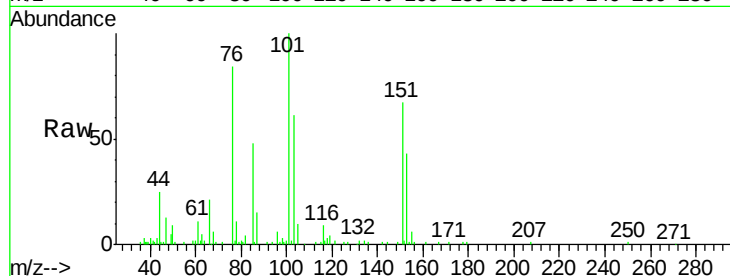
Tgt Ion:101 Resp: 66696

Ion Ratio Lower Upper

101 100

85 47.7 41.7 62.5

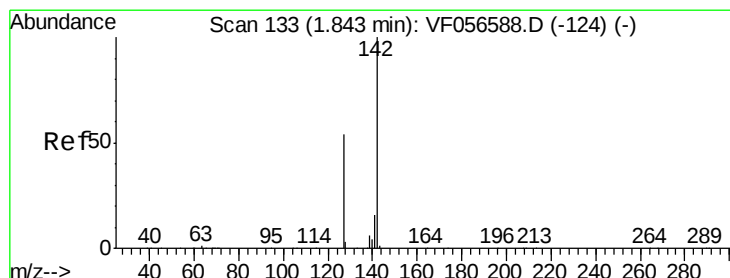
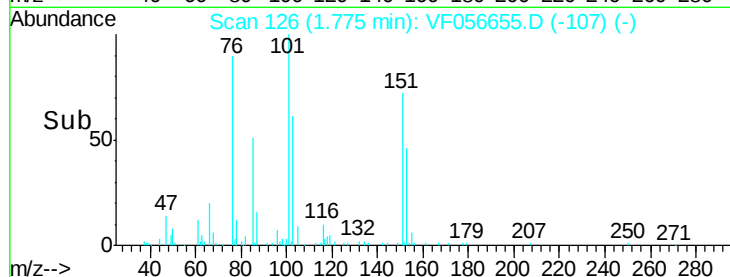
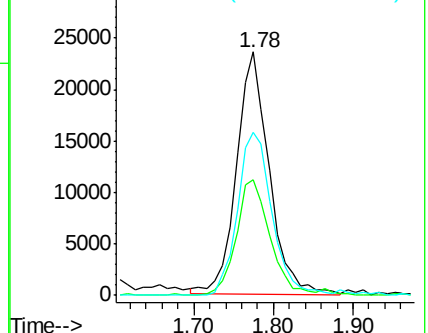
151 67.1 56.6 85.0



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: 21.19 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

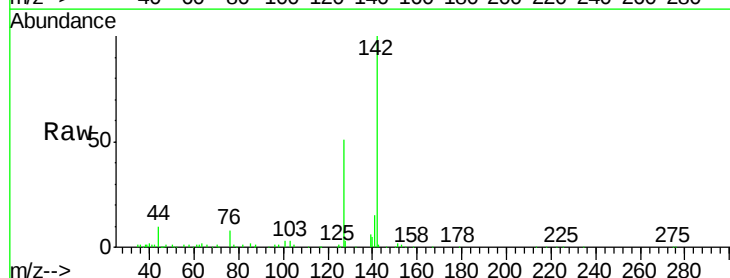
Tgt Ion:142 Resp: 123793

Ion Ratio Lower Upper

142 100

127 51.0 43.4 65.0

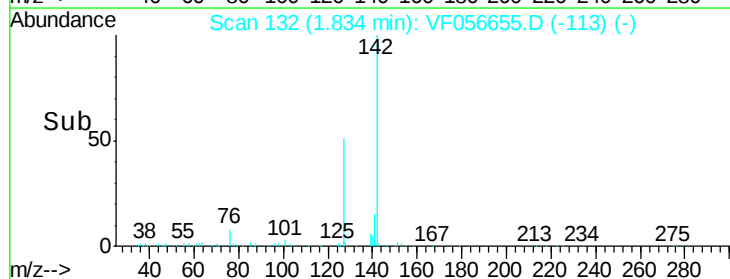
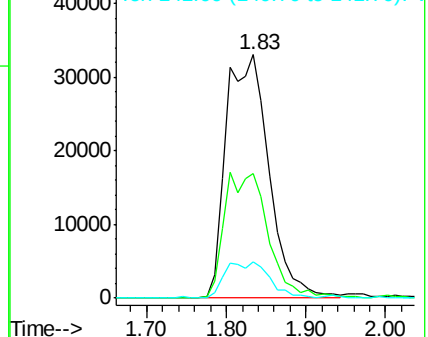
141 14.9 13.0 19.4

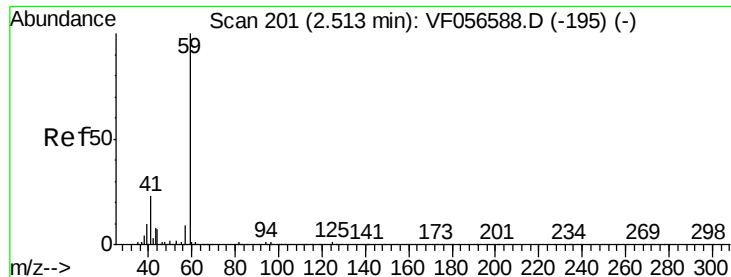


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



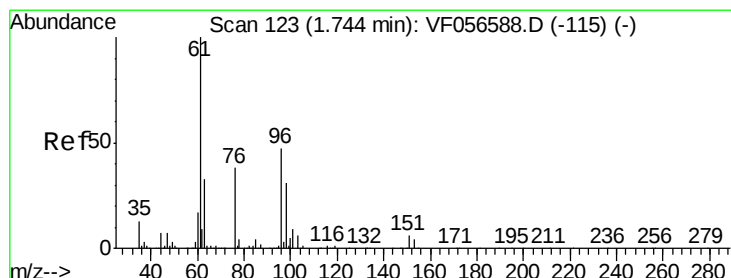
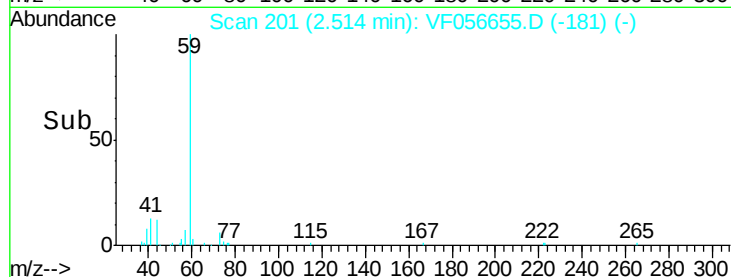
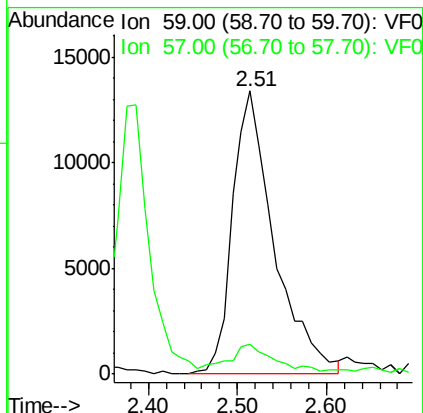
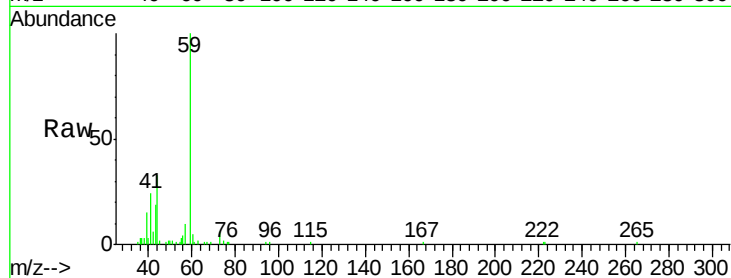


#11

Tert butyl alcohol
 Concen: 120.57 ug/l
 RT: 2.51 min Scan# 201
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

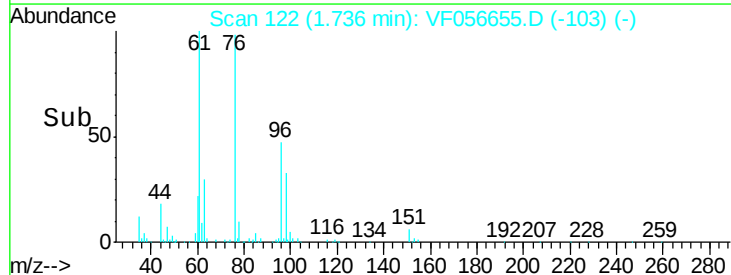
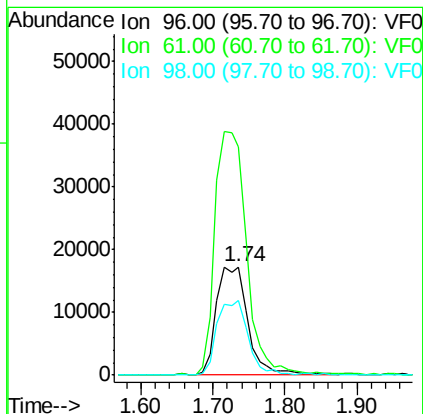
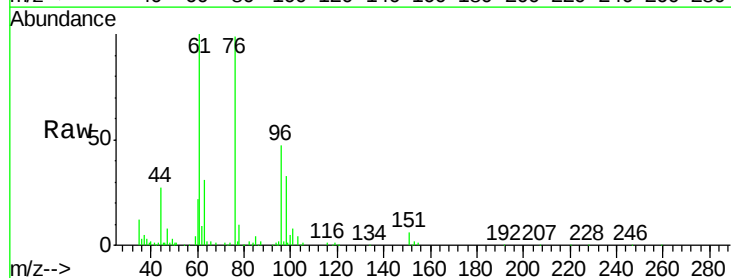
Tgt Ion: 59 Resp: 43702
 Ion Ratio Lower Upper
 59 100
 57 10.5 10.3 15.5

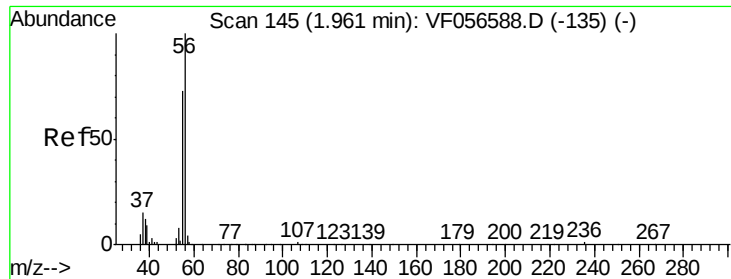


#12

1,1-Dichloroethene
 Concen: 18.19 ug/l
 RT: 1.74 min Scan# 122
 Delta R.T. -0.01 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion: 96 Resp: 52525
 Ion Ratio Lower Upper
 96 100
 61 210.8 168.8 253.2
 98 68.9 52.2 78.4





#13

Acrolein

Concen: 107.79 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

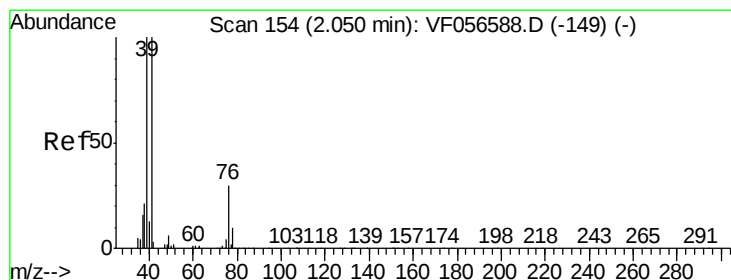
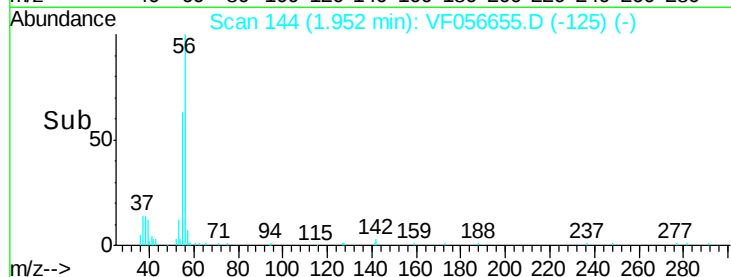
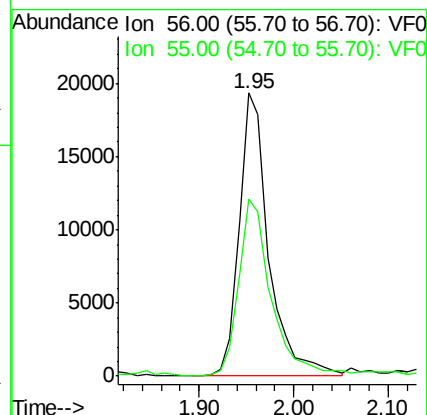
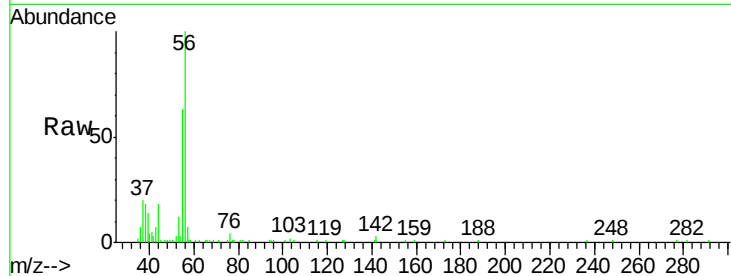
VF0223SBS01

Tgt Ion: 56 Resp: 41823

Ion Ratio Lower Upper

56 100

55 62.6 58.6 88.0



#14

Allyl chloride

Concen: 19.81 ug/l

RT: 2.05 min Scan# 154

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

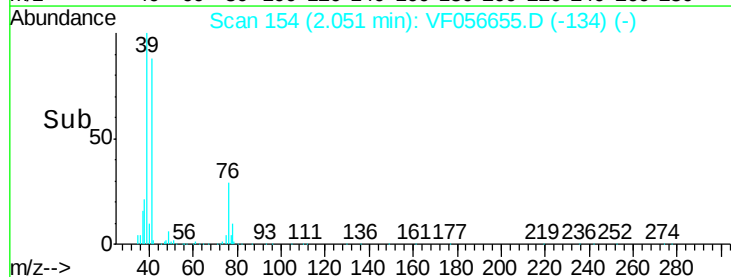
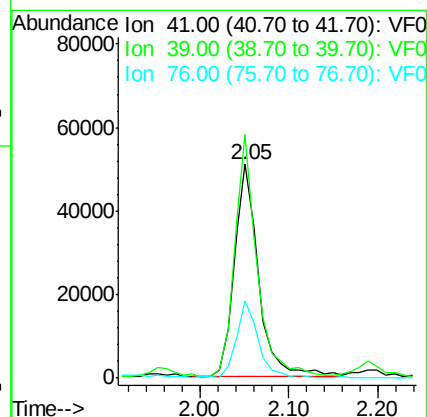
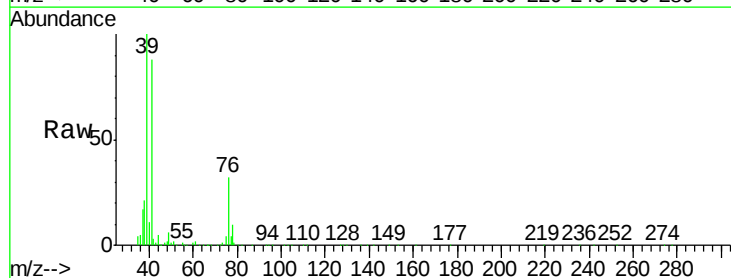
Tgt Ion: 41 Resp: 98323

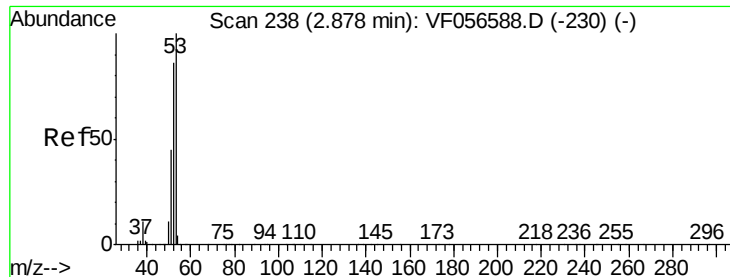
Ion Ratio Lower Upper

41 100

39 114.0 79.8 119.6

76 36.1 25.4 38.2





#15

Acrylonitrile

Concen: 106.31 ug/l

RT: 2.87 min Scan# 237

Delta R.T. -0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

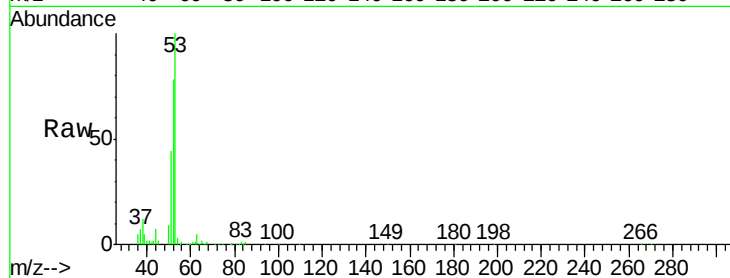
Tgt Ion: 53 Resp: 97104

Ion Ratio Lower Upper

53 100

52 78.3 68.4 102.6

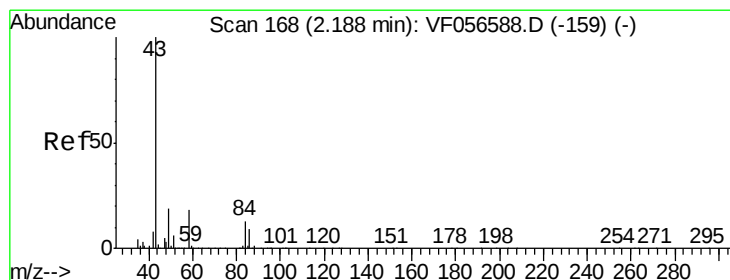
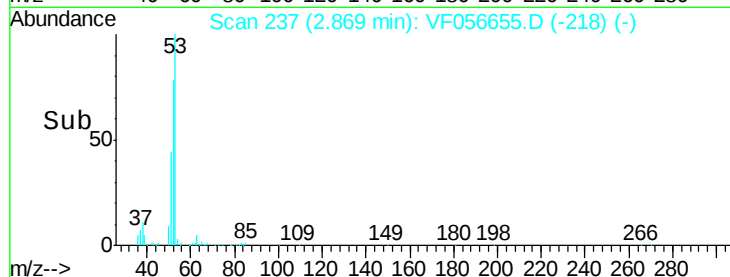
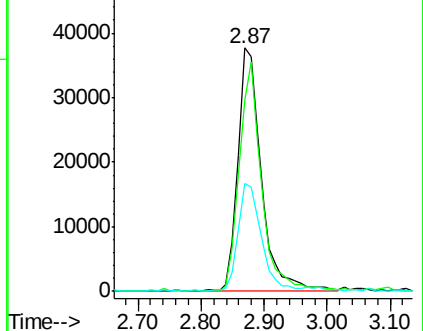
51 44.3 35.8 53.6



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: 105.76 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF056655.D

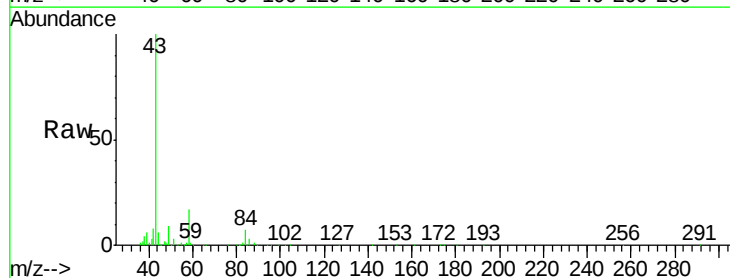
Acq: 23 Feb 2018 14:43

Tgt Ion: 43 Resp: 167147

Ion Ratio Lower Upper

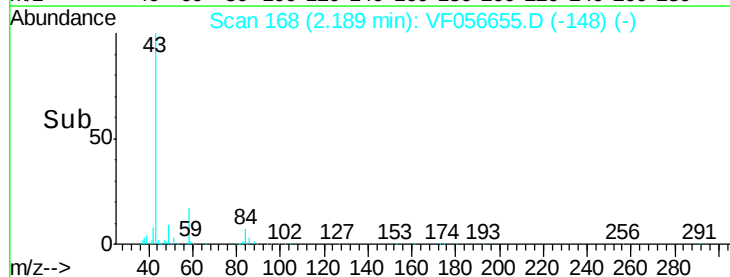
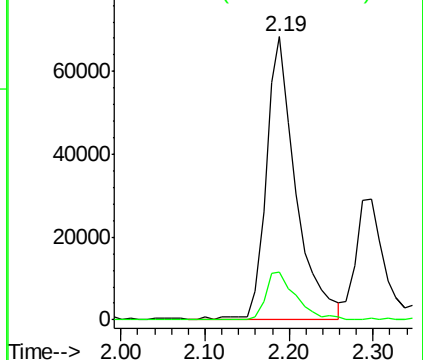
43 100

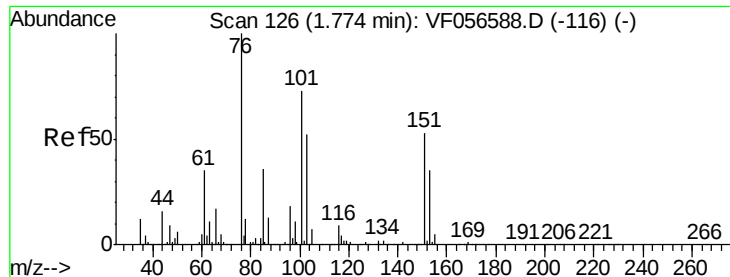
58 17.0 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

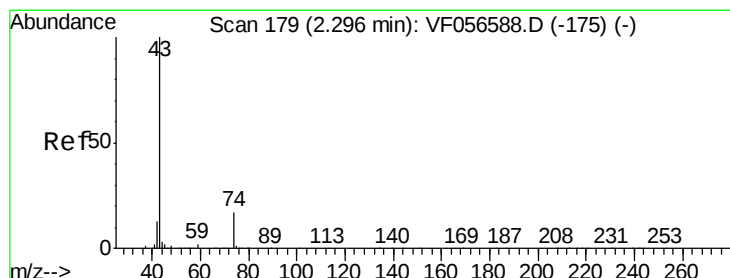
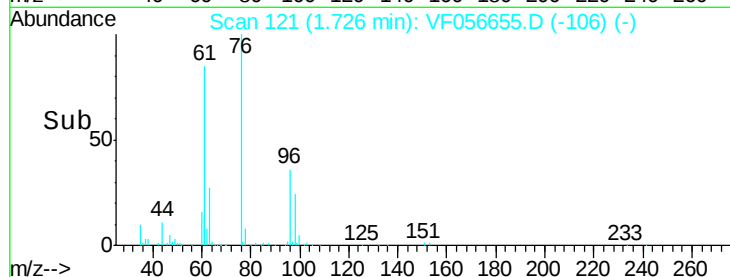
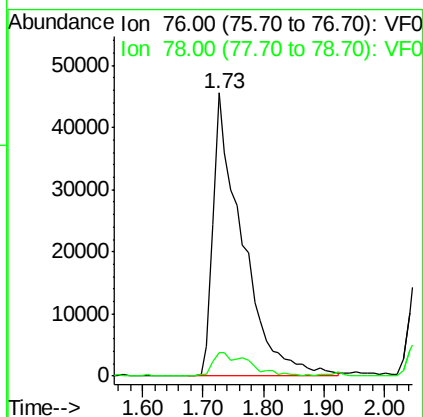
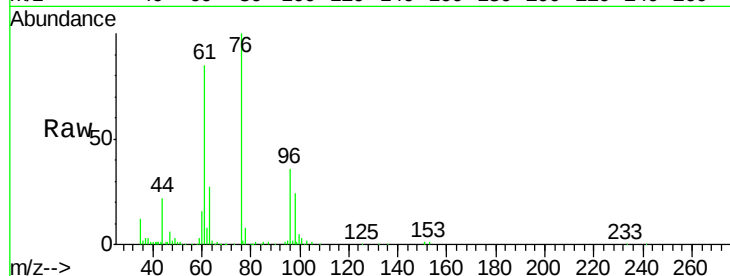




#17
Carbon Disulfide
Concen: 20.33 ug/l
RT: 1.73 min Scan# 121
Delta R.T. -0.05 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

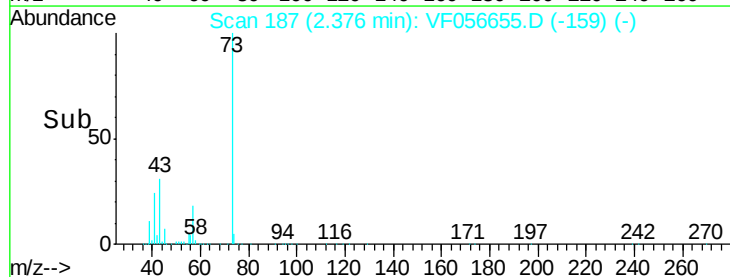
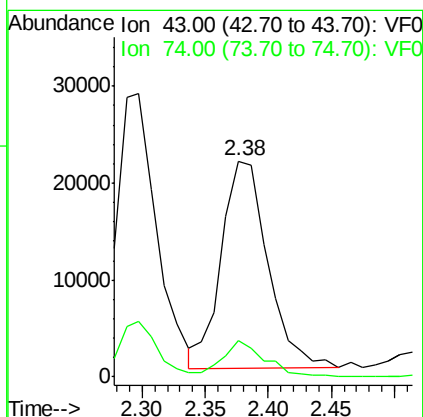
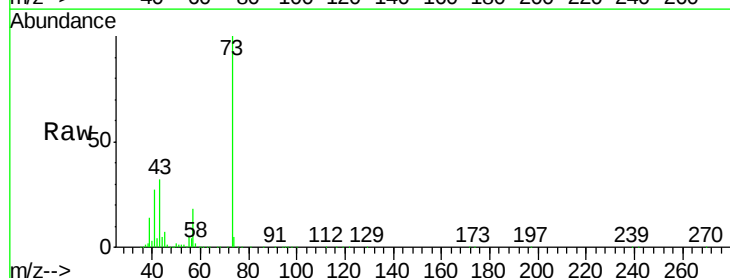
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

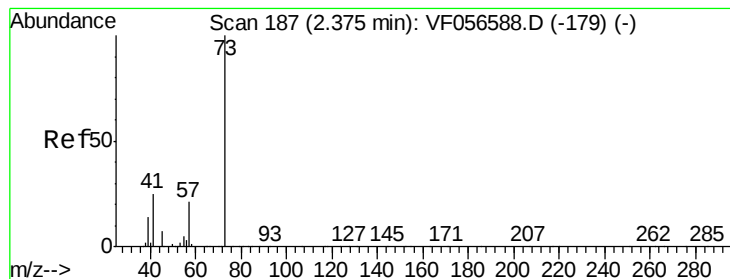
Tgt Ion: 76 Resp: 153054
Ion Ratio Lower Upper
76 100
78 8.2 9.5 14.3#



#18
Methyl Acetate
Concen: 14.89 ug/l
RT: 2.38 min Scan# 187
Delta R.T. 0.08 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion: 43 Resp: 54442
Ion Ratio Lower Upper
43 100
74 16.8 12.0 18.0





#19

Methyl tert-butyl Ether

Concen: 21.20 ug/l

RT: 2.38 min Scan# 187

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

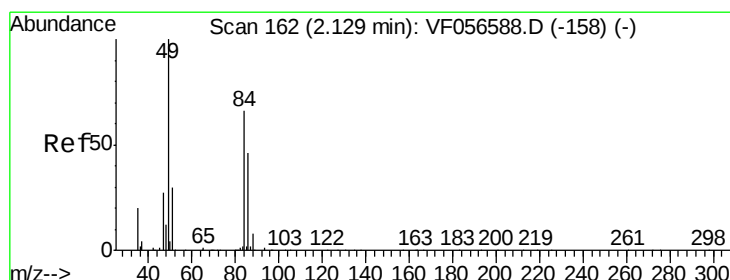
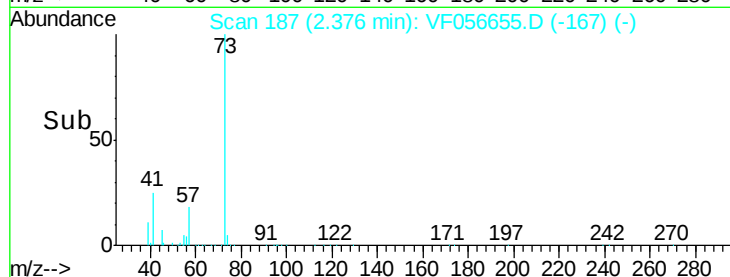
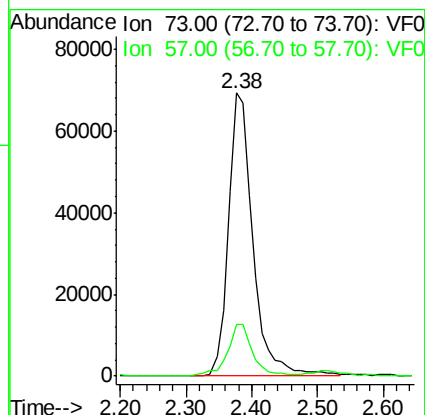
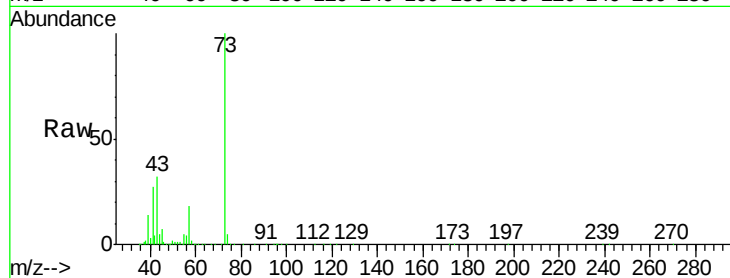
VF0223SBS01

Tgt Ion: 73 Resp: 181026

Ion Ratio Lower Upper

73 100

57 18.3 16.7 25.1



#20

Methylene Chloride

Concen: 24.62 ug/l

RT: 2.13 min Scan# 162

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion: 84 Resp: 74057

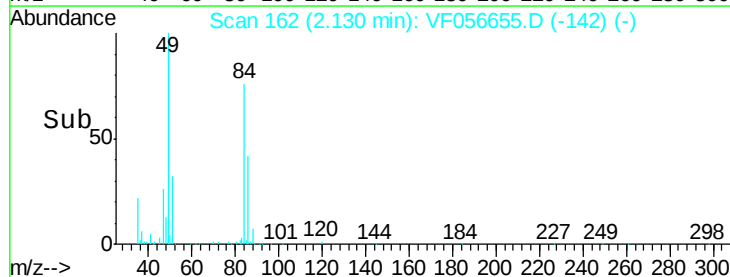
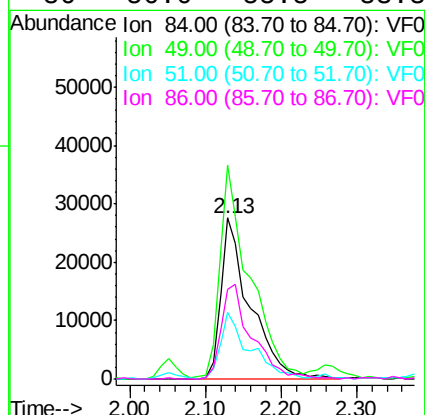
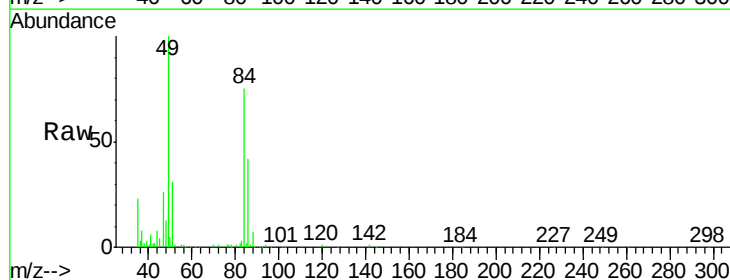
Ion Ratio Lower Upper

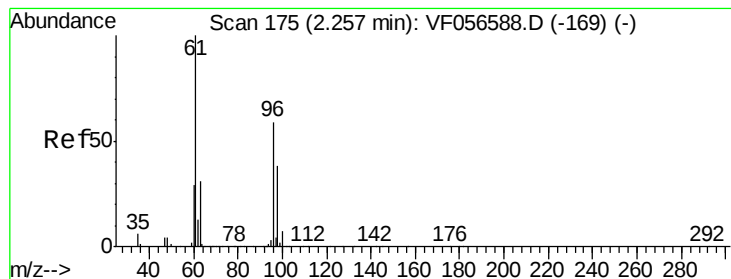
84 100

49 132.8 121.4 182.0

51 41.8 37.1 55.7

86 56.0 55.5 83.3





#21

trans-1,2-Dichloroethene

Concen: 18.82 ug/l

RT: 2.26 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

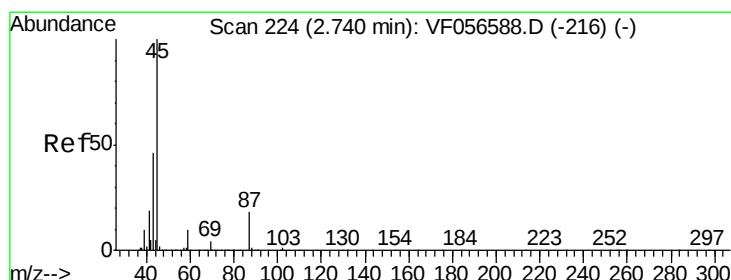
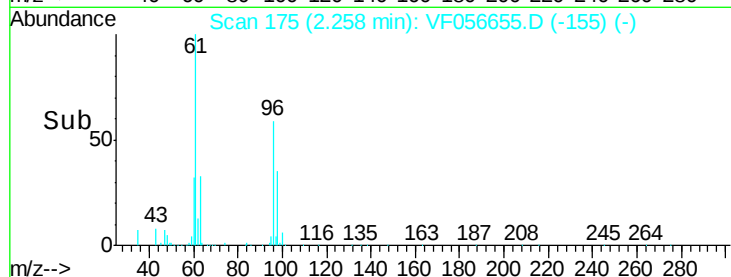
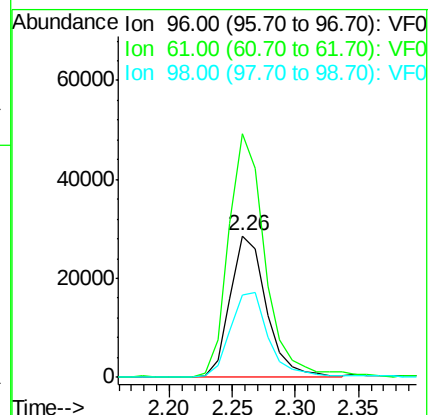
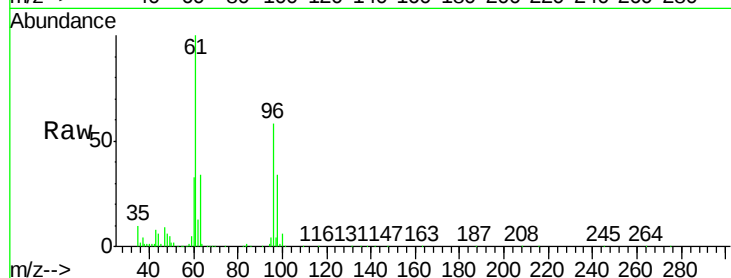
Tgt Ion: 96 Resp: 57238

Ion Ratio Lower Upper

96 100

61 172.2 136.4 204.6

98 58.5 51.4 77.0



#22

Diisopropyl ether

Concen: 21.07 ug/l

RT: 2.74 min Scan# 224

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion: 45 Resp: 234371

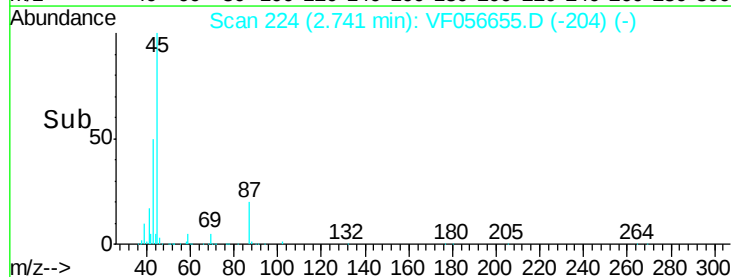
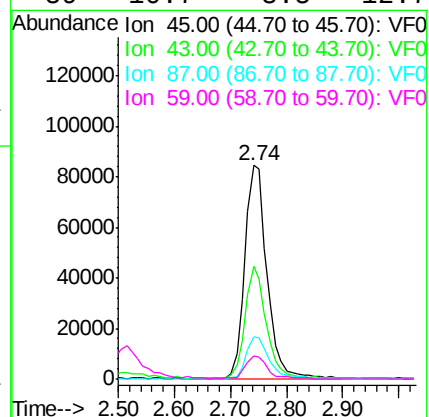
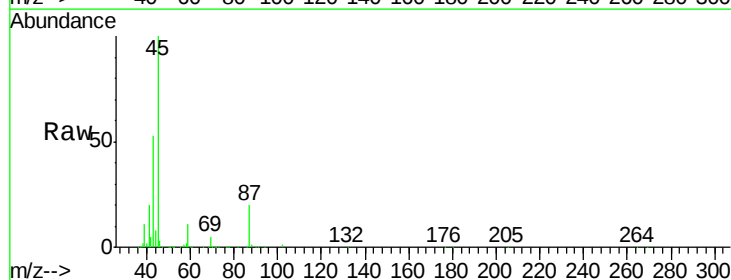
Ion Ratio Lower Upper

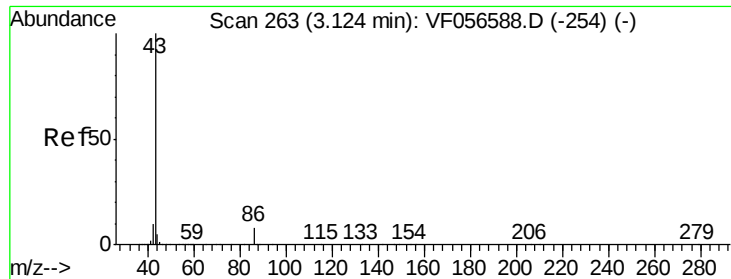
45 100

43 52.6 37.4 56.0

87 20.0 14.6 22.0

59 10.7 8.5 12.7





#23

Vinyl Acetate

Concen: 97.55 ug/l

RT: 3.13 min Scan# 263

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

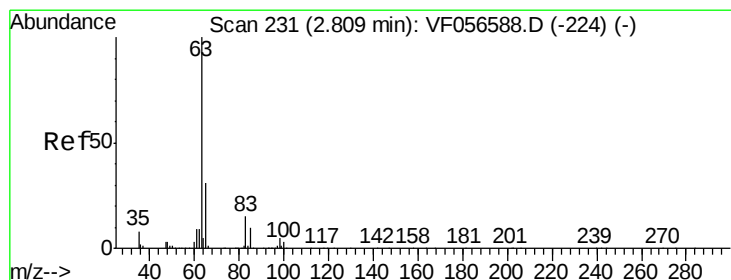
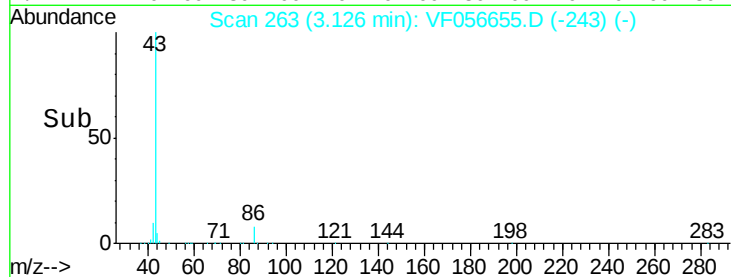
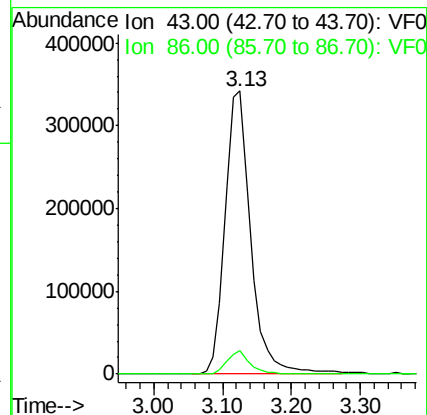
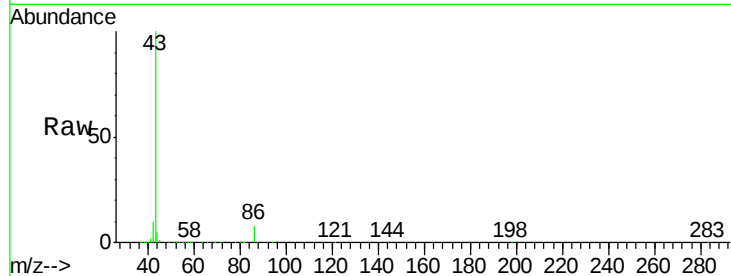
VF0223SBSD01

Tgt Ion: 43 Resp: 883022

Ion Ratio Lower Upper

43 100

86 8.4 6.6 10.0



#24

1,1-Dichloroethane

Concen: 21.25 ug/l

RT: 2.81 min Scan# 231

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

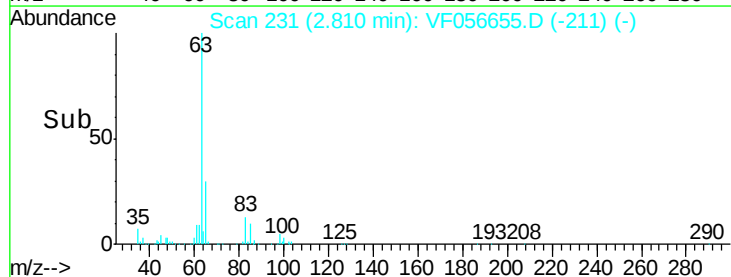
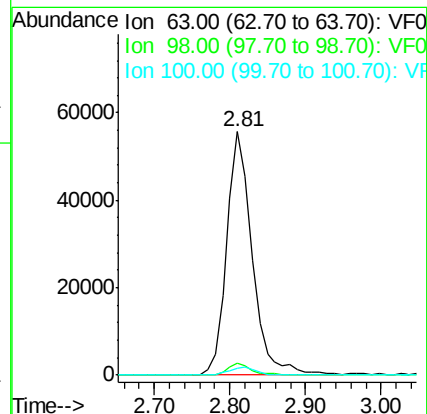
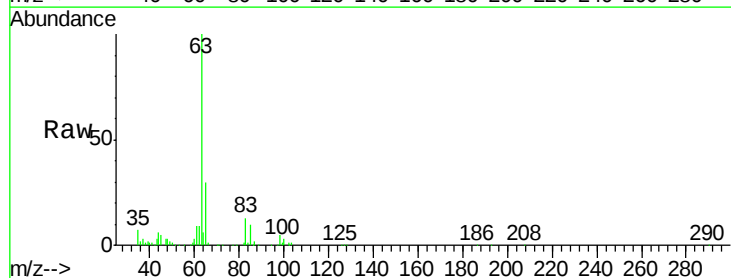
Tgt Ion: 63 Resp: 130581

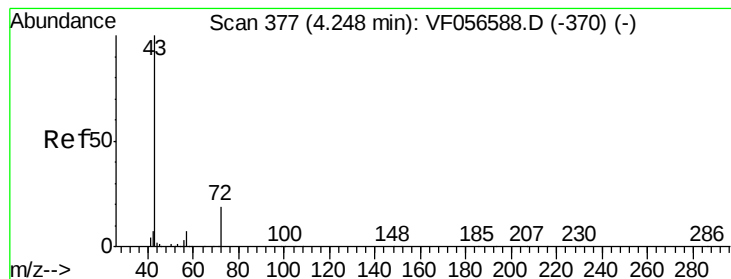
Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.8

100 2.6 1.6 4.7





#25

2-Butanone

Concen: 95.54 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

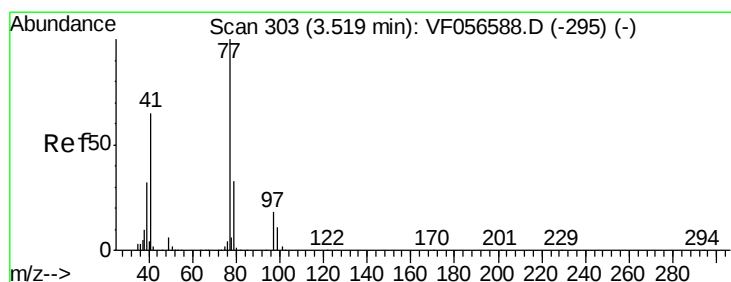
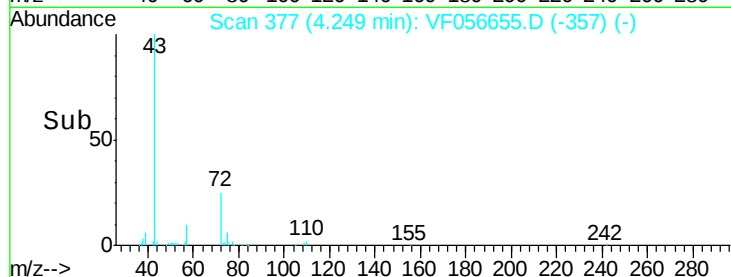
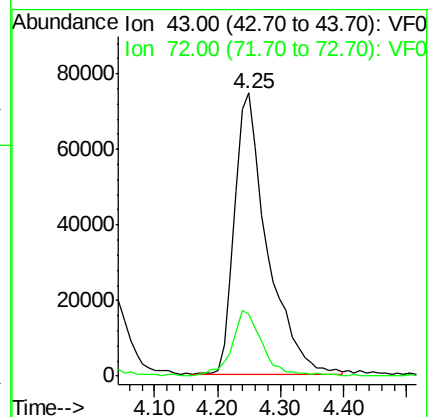
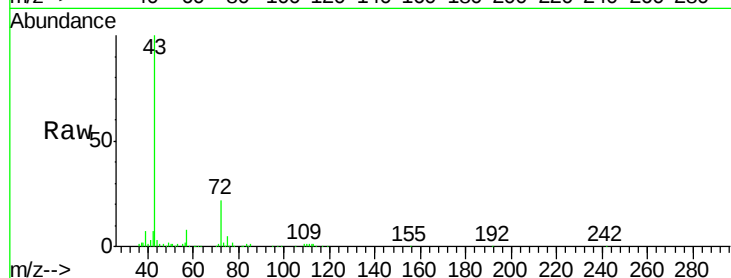
VF0223SBSD01

Tgt Ion: 43 Resp: 268514

Ion Ratio Lower Upper

43 100

72 21.7 16.5 24.7



#26

2,2-Dichloropropane

Concen: 20.92 ug/l

RT: 3.53 min Scan# 304

Delta R.T. 0.01 min

Lab File: VF056655.D

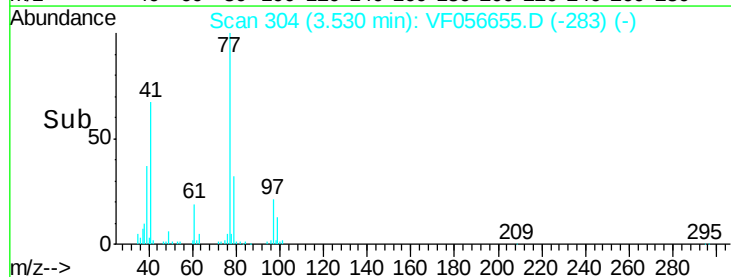
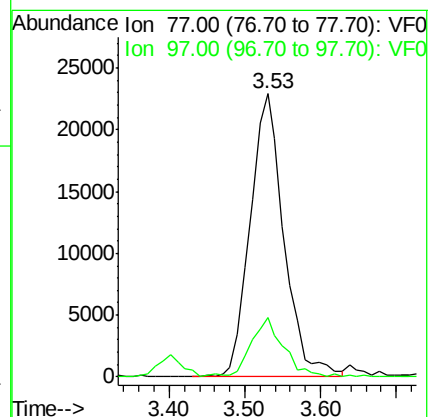
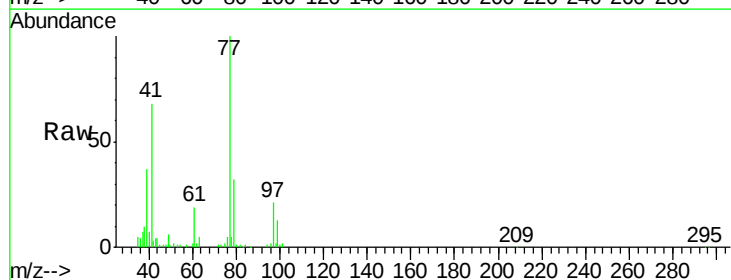
Acq: 23 Feb 2018 14:43

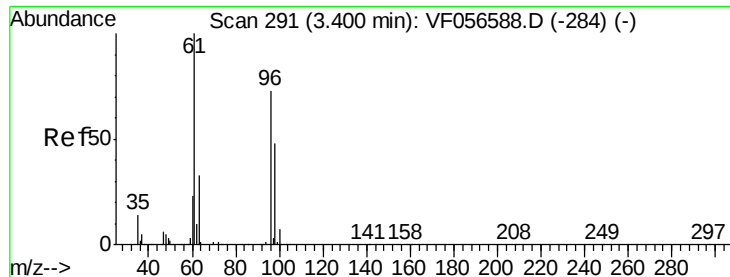
Tgt Ion: 77 Resp: 71144

Ion Ratio Lower Upper

77 100

97 20.9 9.8 29.5



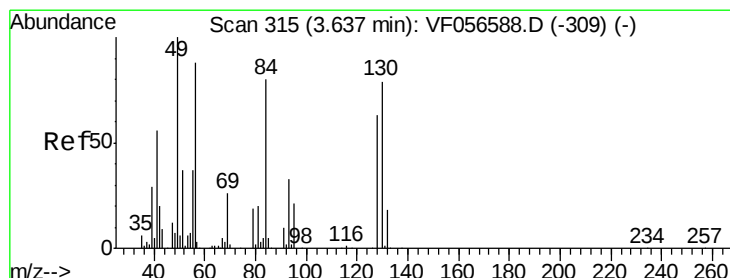
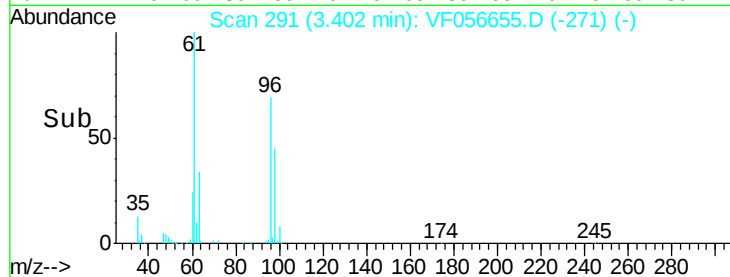
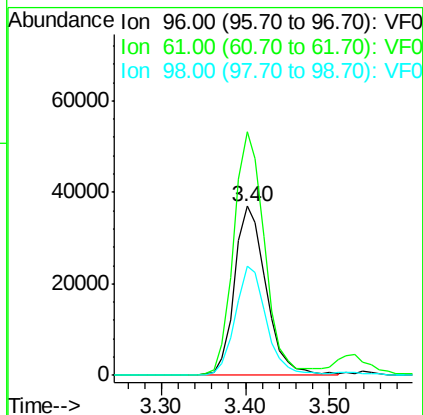
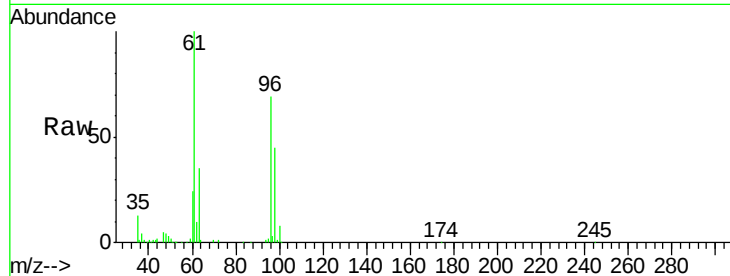


#27

cis-1,2-Dichloroethene
Concen: 19.03 ug/l
RT: 3.40 min Scan# 291
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

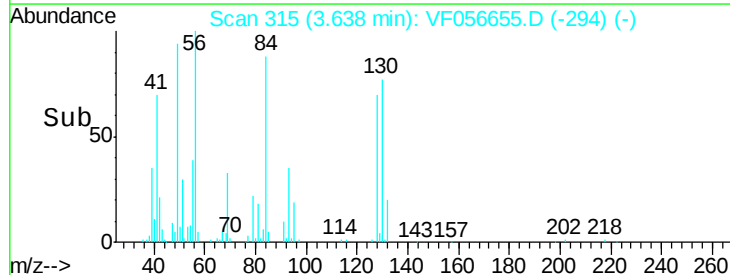
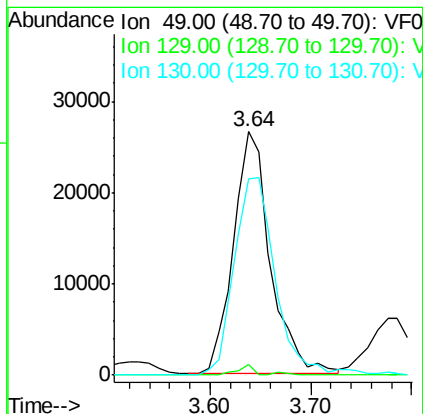
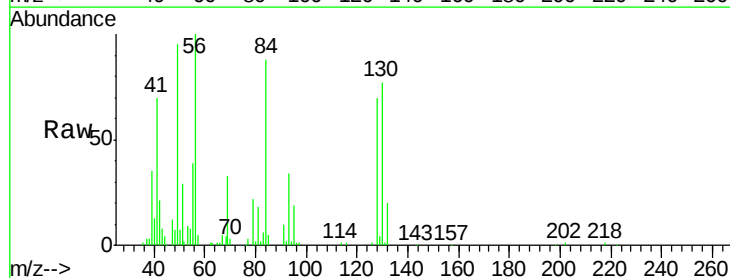
Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	272.6
98	64.8	0.0	131.6

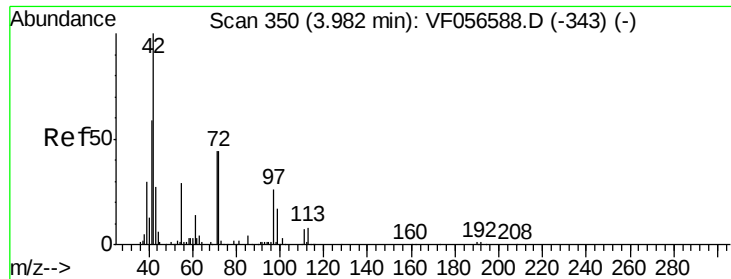


#28

Bromochloromethane
Concen: 18.30 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	4.1	0.0	0.0#
130	80.5	63.4	95.0





#29

Tetrahydrofuran

Concen: 96.65 ug/l

RT: 3.99 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

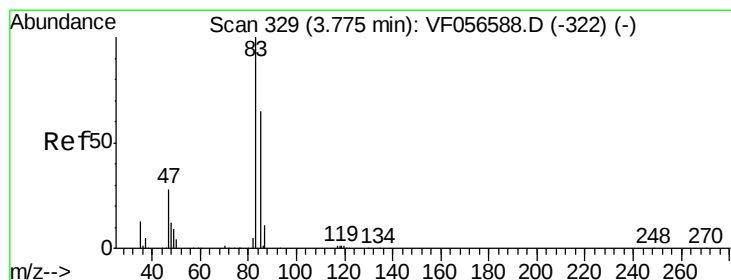
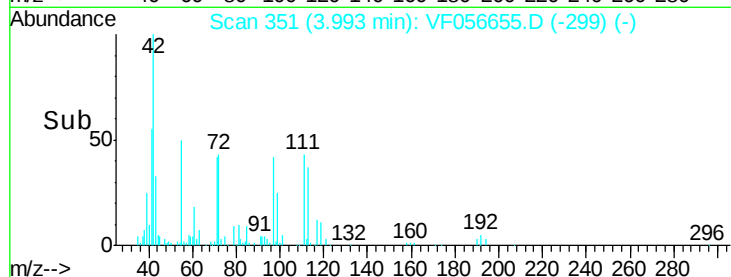
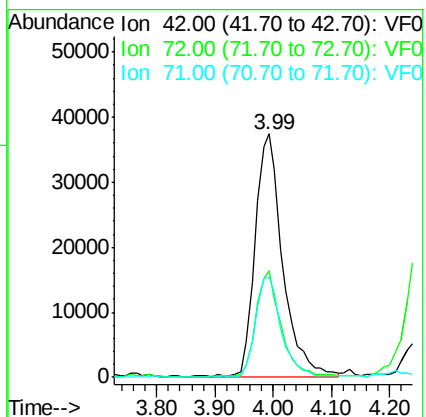
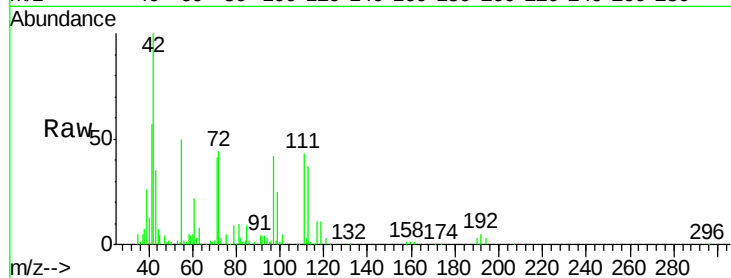
Tgt Ion: 42 Resp: 125768

Ion Ratio Lower Upper

42 100

72 41.0 34.1 51.1

71 38.8 32.8 49.2



#30

Chloroform

Concen: 19.99 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF056655.D

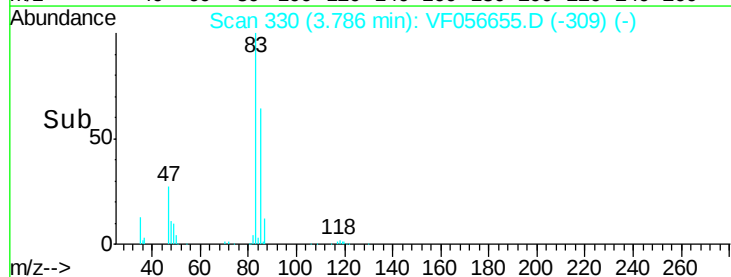
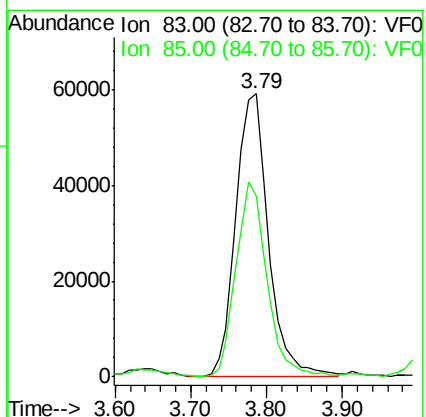
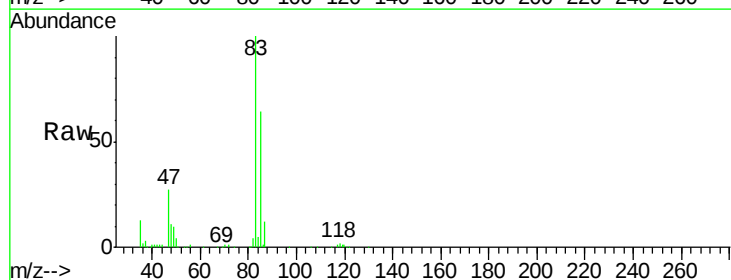
Acq: 23 Feb 2018 14:43

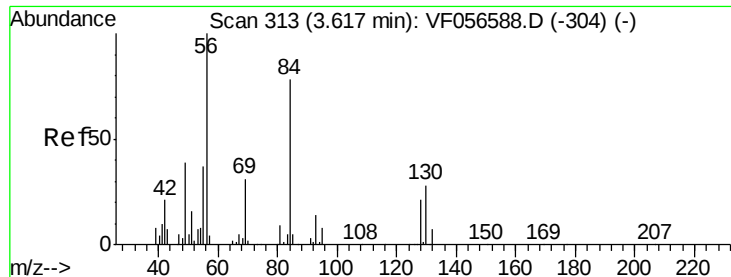
Tgt Ion: 83 Resp: 175826

Ion Ratio Lower Upper

83 100

85 63.9 52.1 78.1

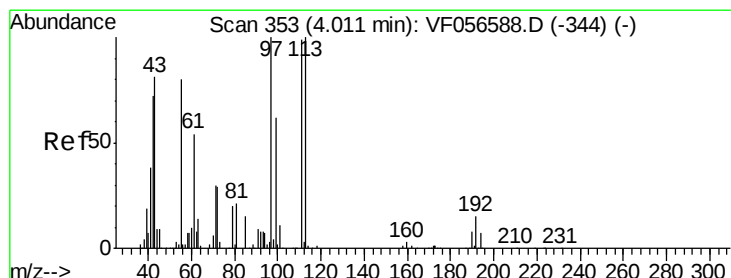
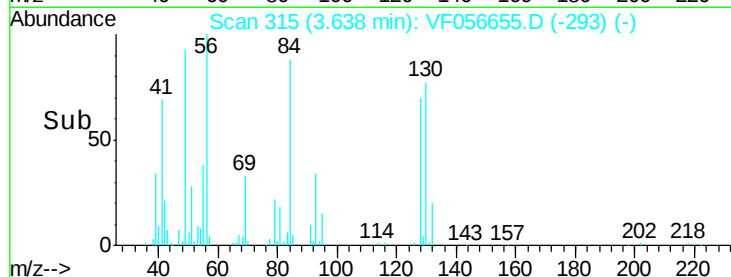
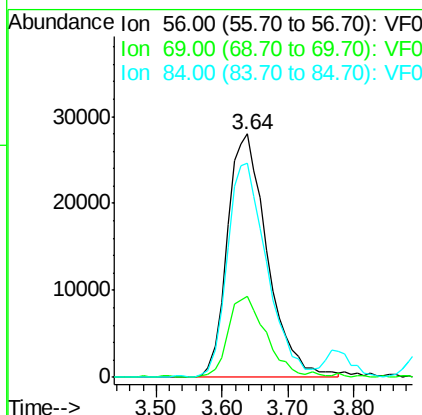
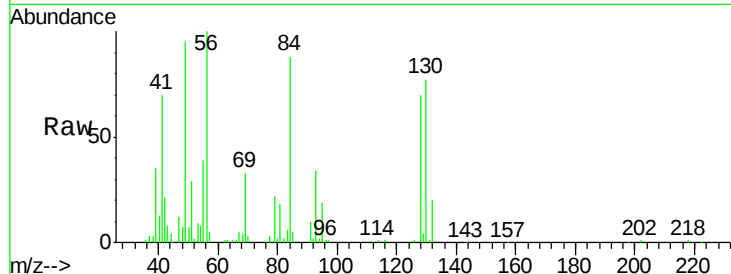




#31
Cyclohexane
Concen: 18.03 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.02 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

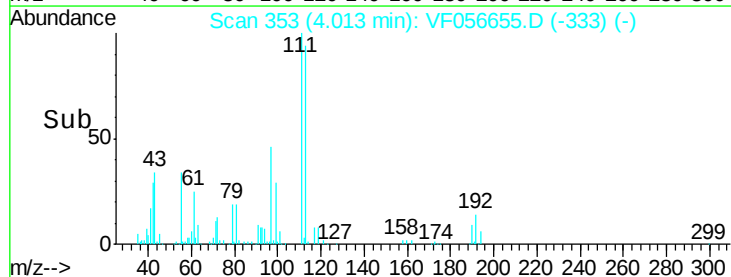
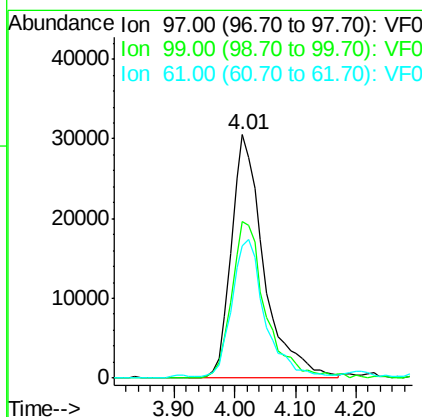
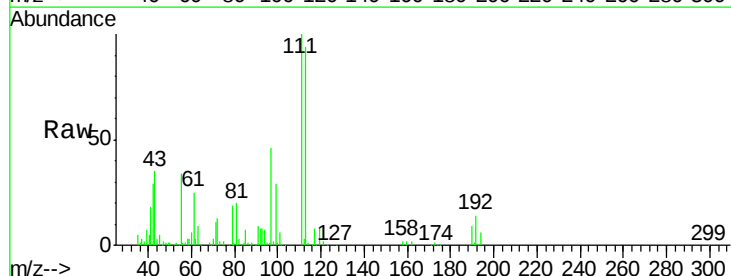
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

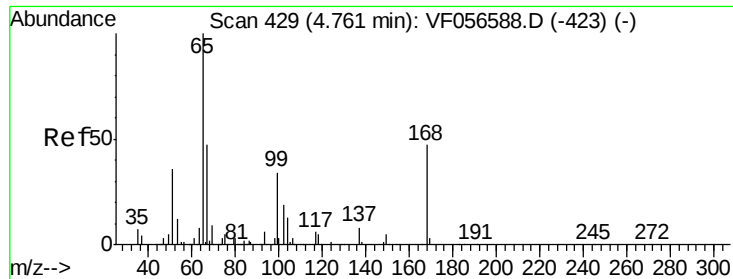
Tgt Ion: 56 Resp: 118988
Ion Ratio Lower Upper
56 100
69 33.1 24.7 37.1
84 87.9 62.9 94.3



#32
1,1,1-Trichloroethane
Concen: 21.50 ug/l
RT: 4.01 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion: 97 Resp: 114554
Ion Ratio Lower Upper
97 100
99 64.1 49.4 74.2
61 54.5 43.9 65.9





#33

1,2-Dichloroethane-d4

Concen: 53.83 ug/l

RT: 4.76 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

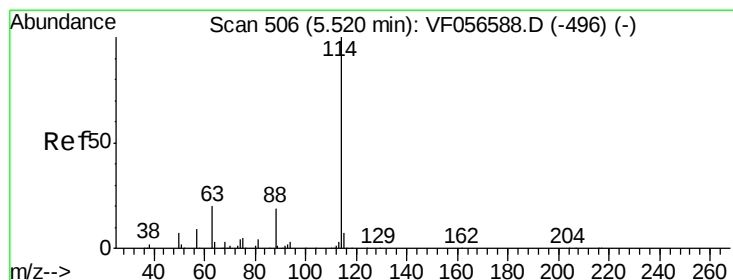
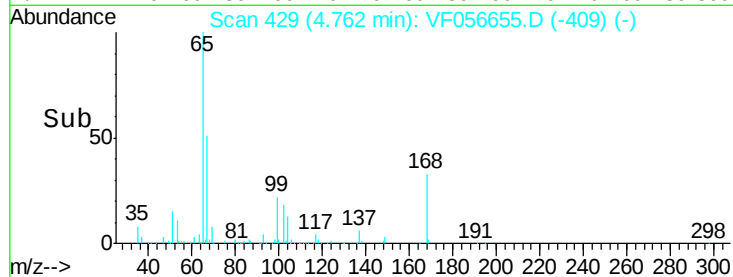
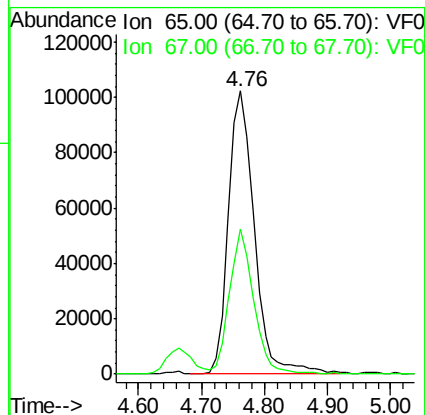
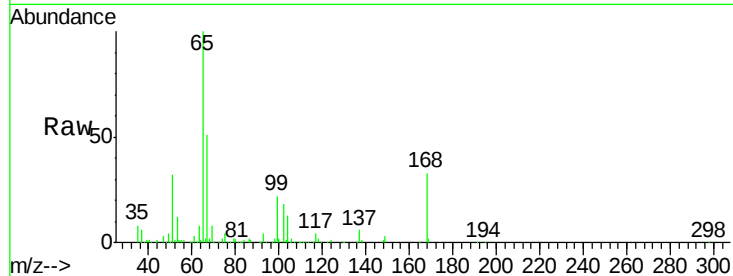
VF0223SBS01

Tgt Ion: 65 Resp: 289069

Ion Ratio Lower Upper

65 100

67 51.2 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: VF056655.D

Acq: 23 Feb 2018 14:43

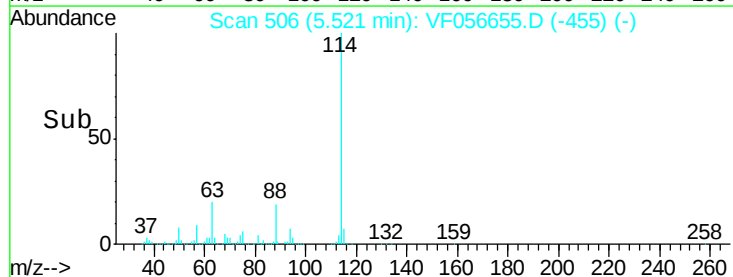
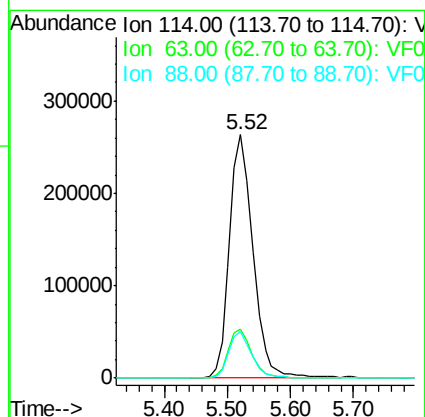
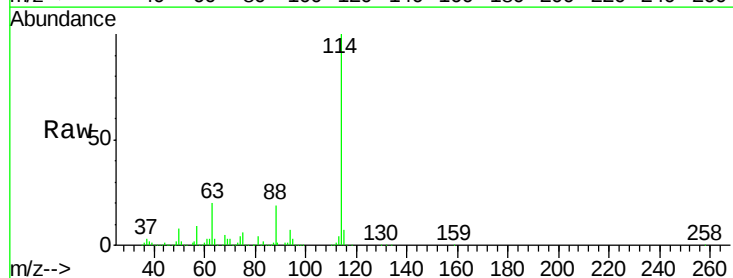
Tgt Ion: 114 Resp: 683629

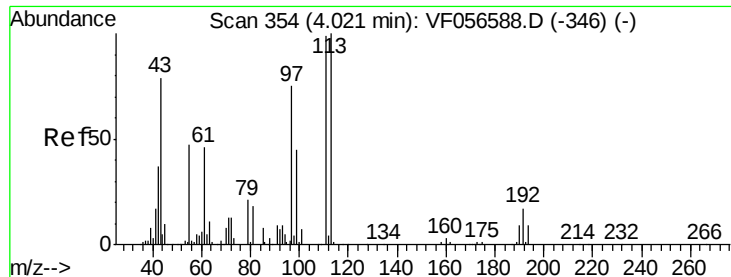
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.6

88 19.2 0.0 37.8

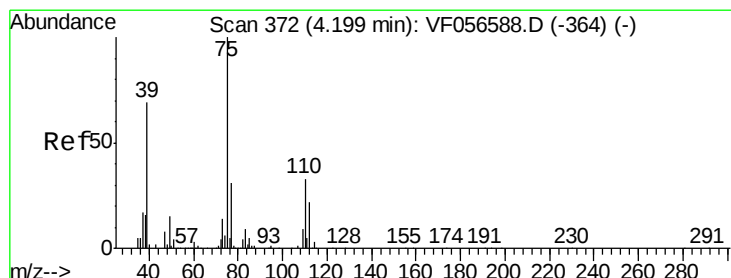
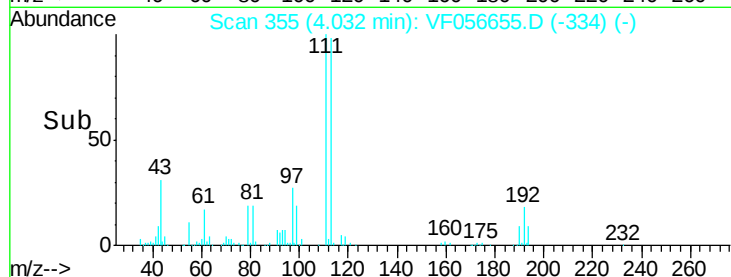
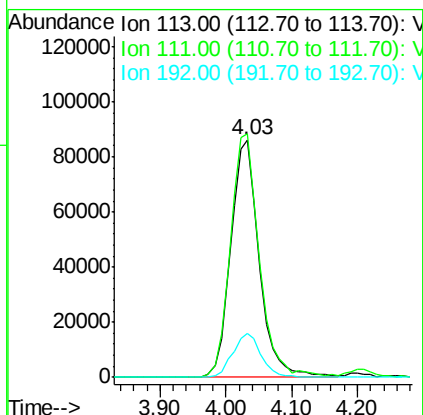
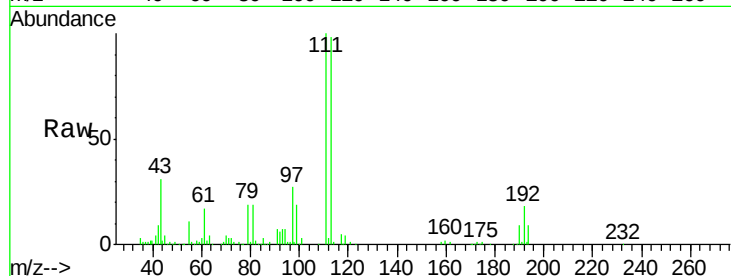




#35
 Dibromofluoromethane
 Concen: 50.94 ug/l
 RT: 4.03 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

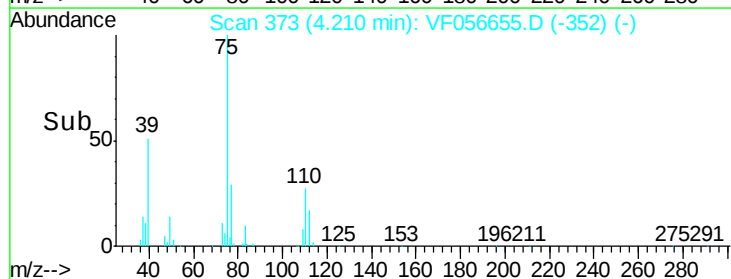
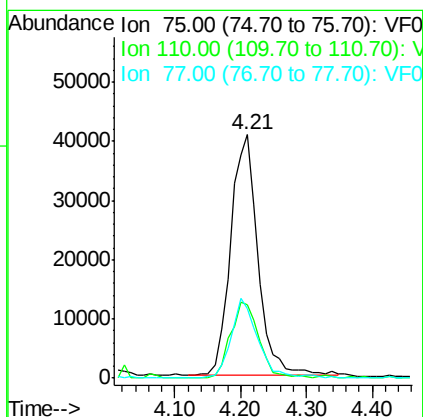
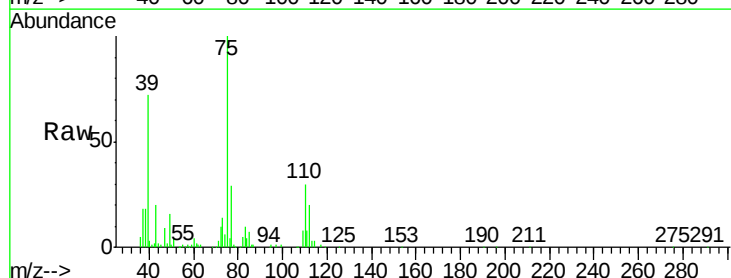
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBSD01

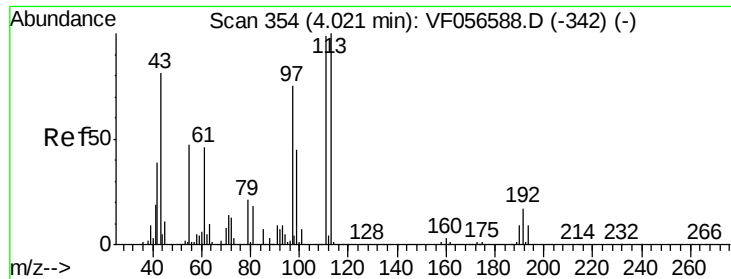
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	79.1	118.7
192	18.4	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 18.35 ug/l
 RT: 4.21 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.4	16.6	49.7
77	28.5	24.5	36.7

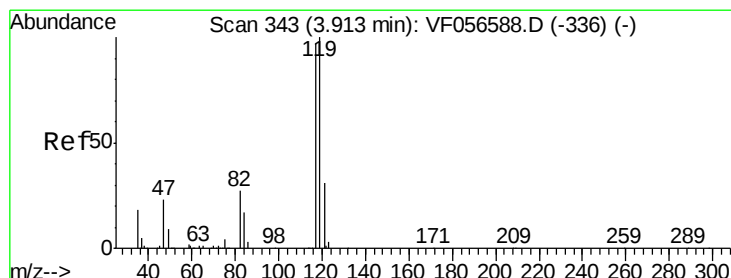
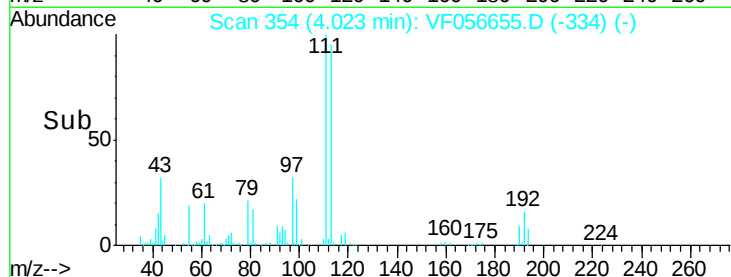
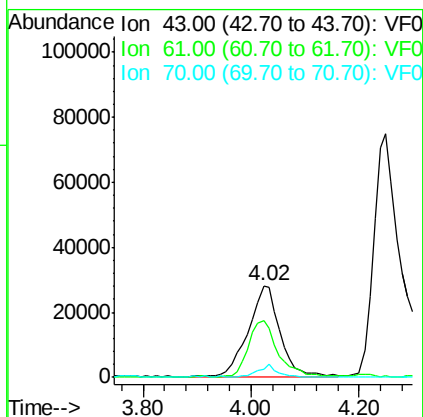
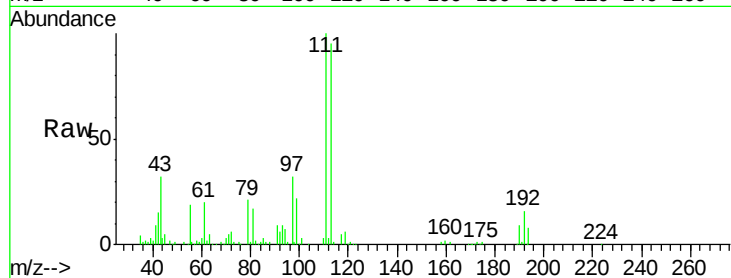




#37
Ethyl Acetate
Concen: 19.94 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

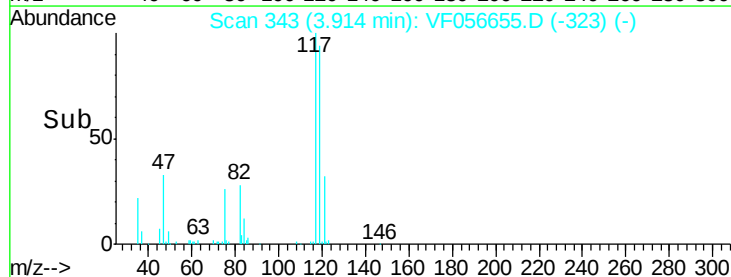
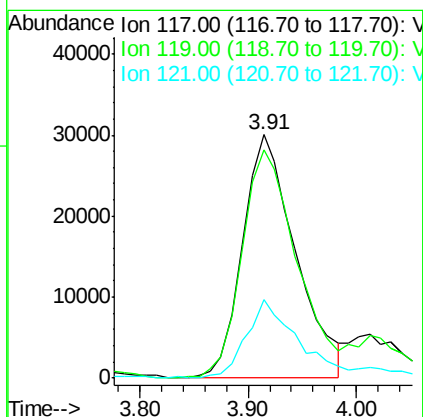
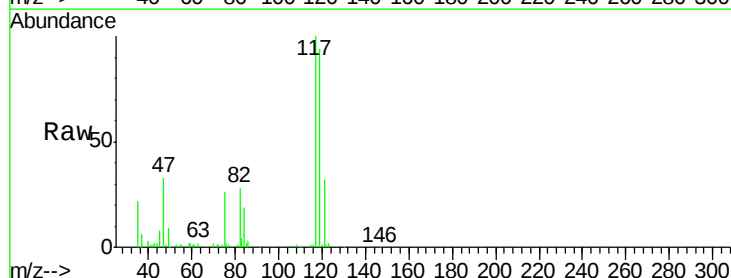
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBSD01

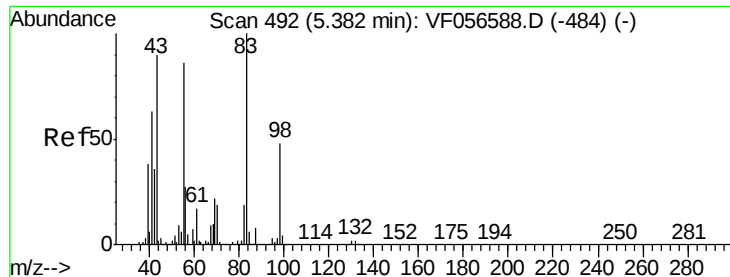
Tgt Ion: 43 Resp: 114776
Ion Ratio Lower Upper
43 100
61 61.9 45.4 68.2
70 9.4 8.8 13.2



#38
Carbon Tetrachloride
Concen: 21.49 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion: 117 Resp: 102955
Ion Ratio Lower Upper
117 100
119 94.0 82.2 123.4
121 32.1 25.8 38.6

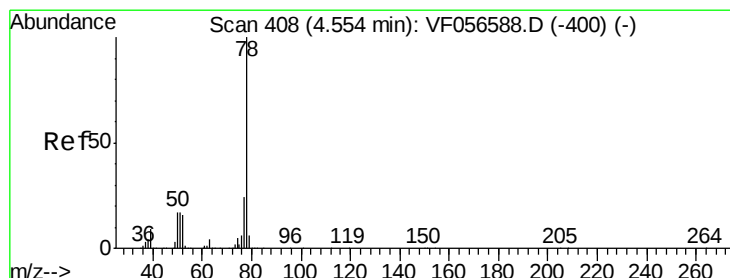
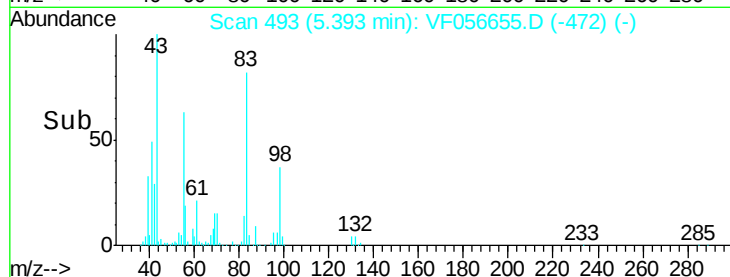
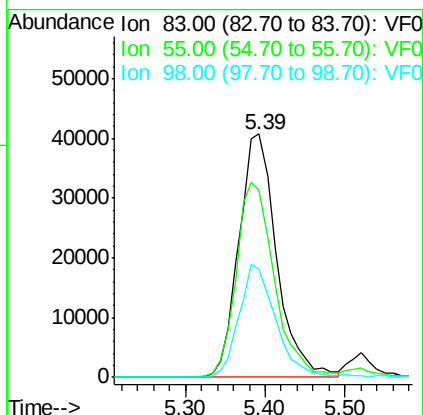
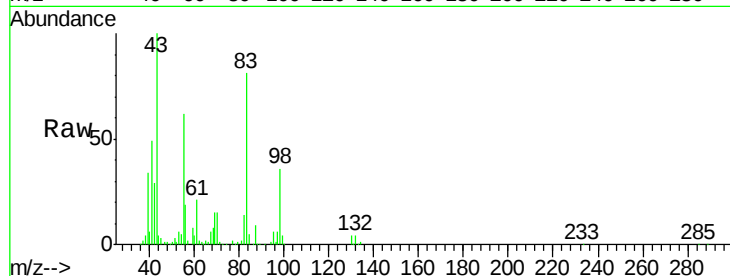




#39
Methylcyclohexane
Concen: 19.31 ug/l
RT: 5.39 min Scan# 493
Delta R.T. 0.01 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

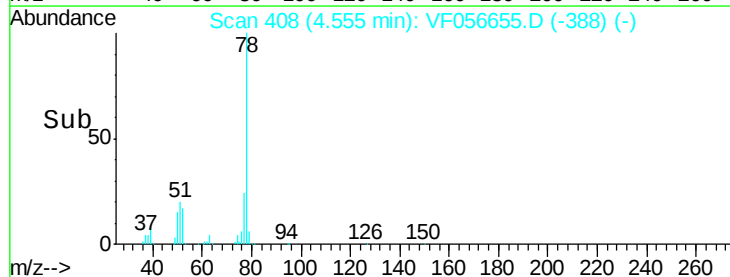
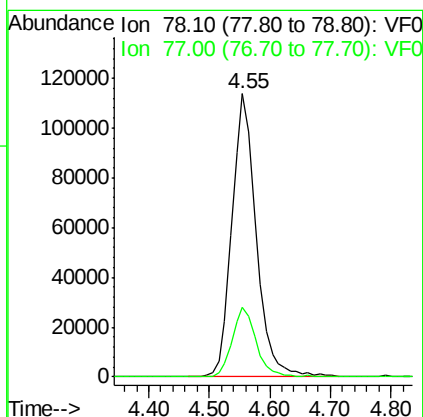
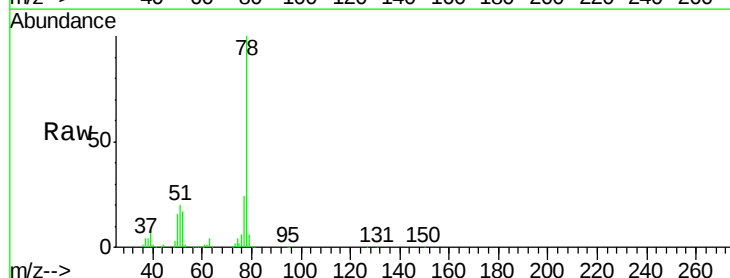
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

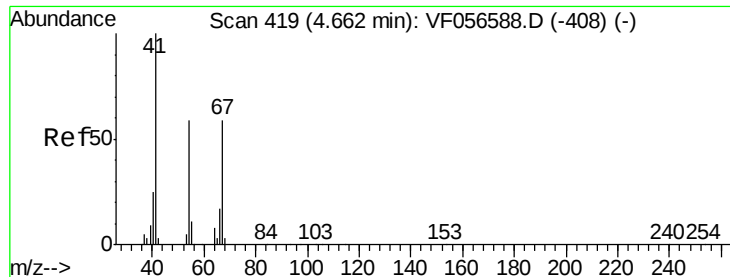
Tgt Ion: 83 Resp: 134416
Ion Ratio Lower Upper
83 100
55 76.9 68.7 103.1
98 44.4 38.0 57.0



#40
Benzene
Concen: 19.50 ug/l
RT: 4.55 min Scan# 408
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion: 78 Resp: 318341
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6





#41

Methacrylonitrile

Concen: 20.14 ug/l

RT: 4.66 min Scan# 419

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 41 Resp: 56263

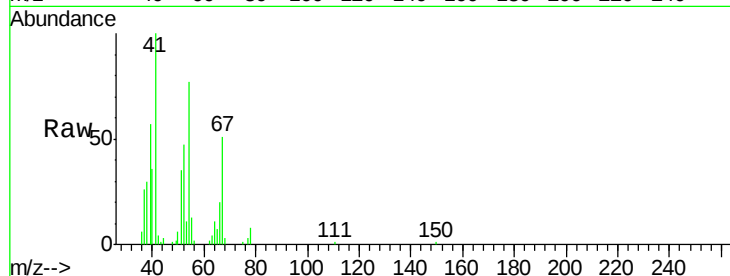
Ion Ratio Lower Upper

41 100

39 57.3 48.2 72.4

67 51.5 46.9 70.3

52 47.1 32.6 48.8

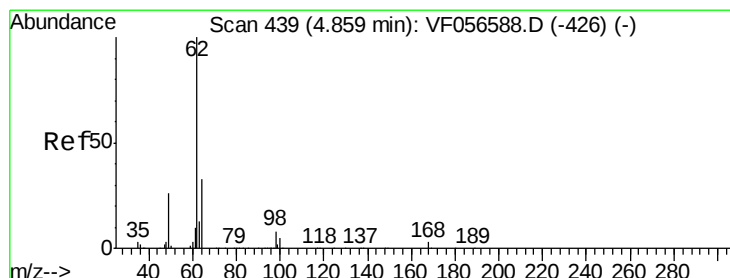
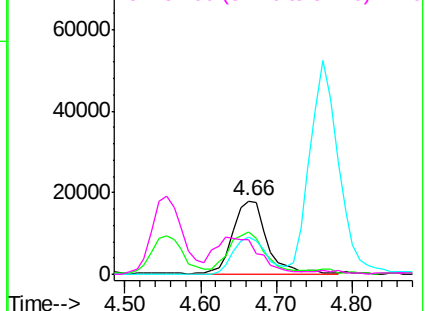
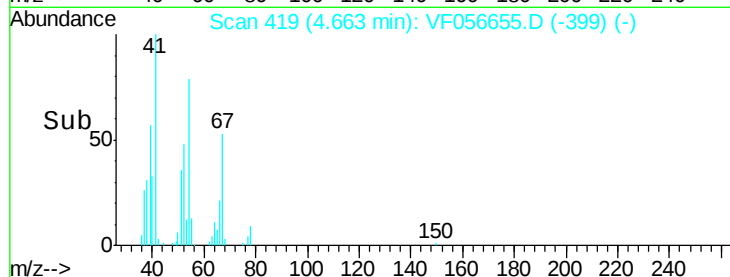


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 21.05 ug/l

RT: 4.86 min Scan# 439

Delta R.T. 0.00 min

Lab File: VF056655.D

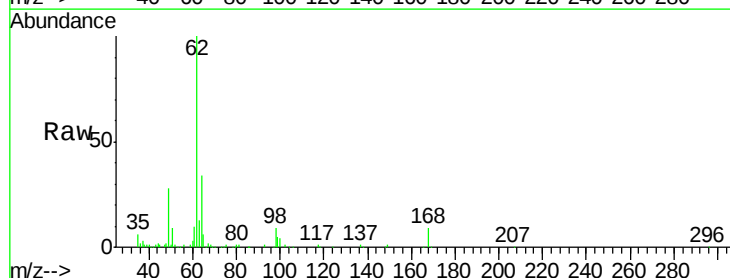
Acq: 23 Feb 2018 14:43

Tgt Ion: 62 Resp: 133575

Ion Ratio Lower Upper

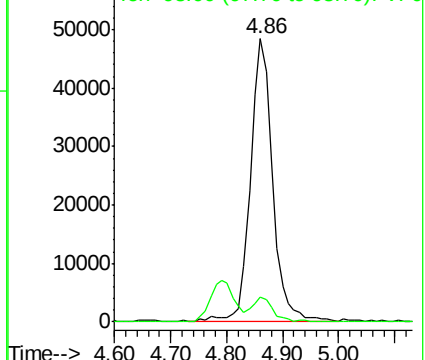
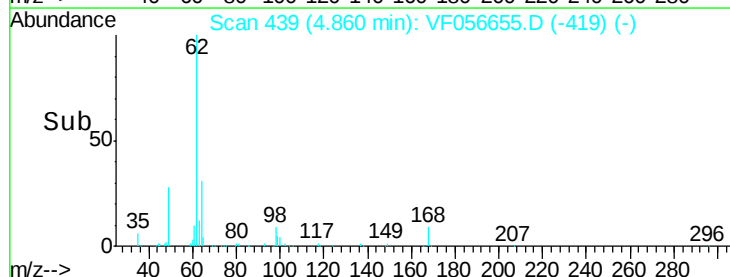
62 100

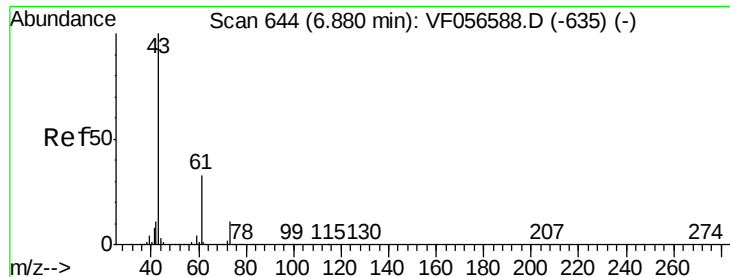
98 9.0 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 19.10 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

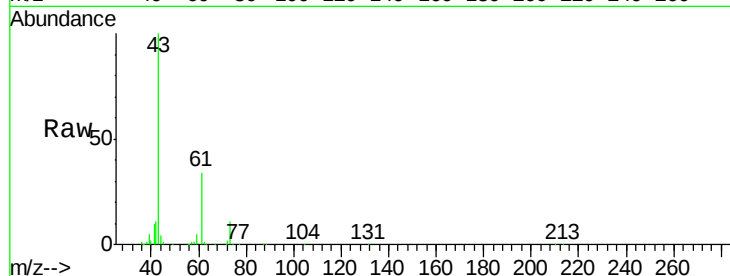
Tgt Ion: 43 Resp: 134791

Ion Ratio Lower Upper

43 100

61 34.2 26.5 39.7

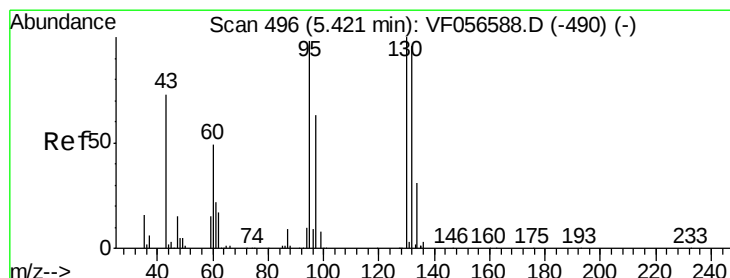
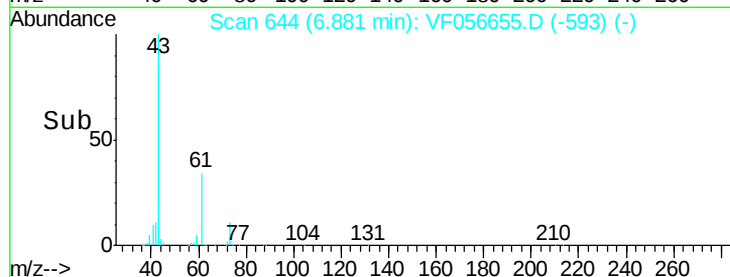
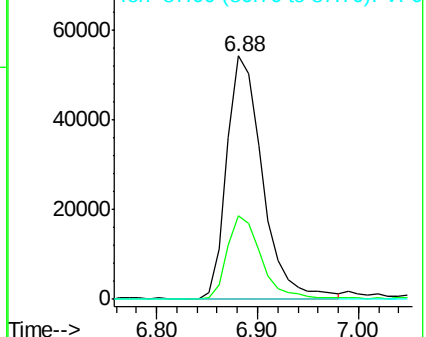
87 0.3 0.2 0.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 20.05 ug/l

RT: 5.43 min Scan# 497

Delta R.T. 0.01 min

Lab File: VF056655.D

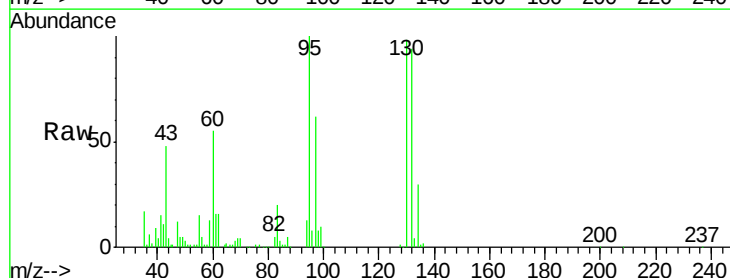
Acq: 23 Feb 2018 14:43

Tgt Ion: 130 Resp: 96055

Ion Ratio Lower Upper

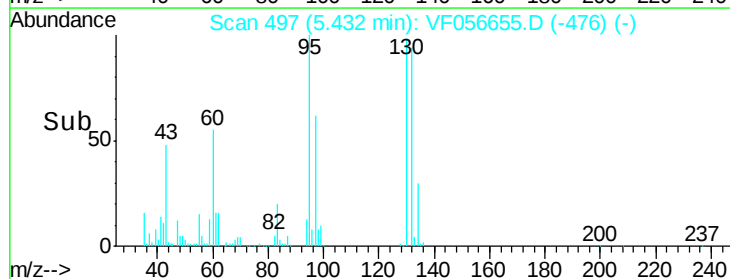
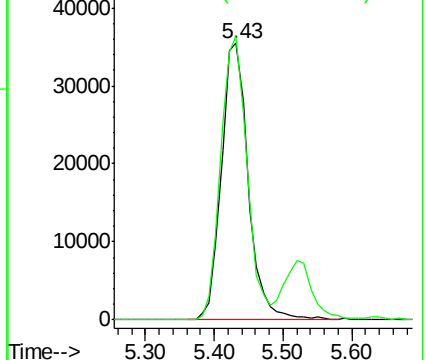
130 100

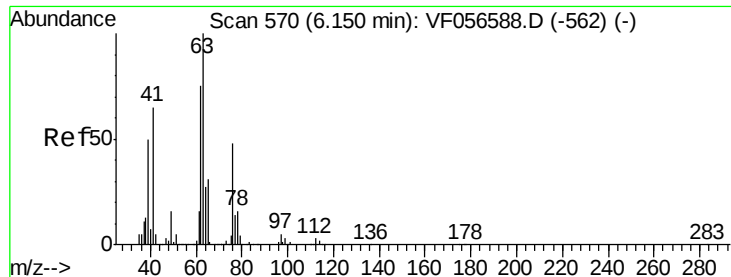
95 102.4 0.0 195.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.11 ug/l

RT: 6.15 min Scan# 570

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

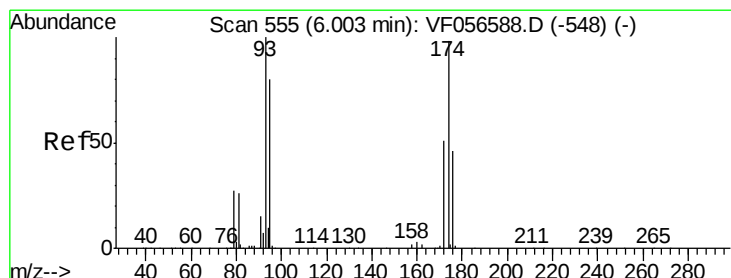
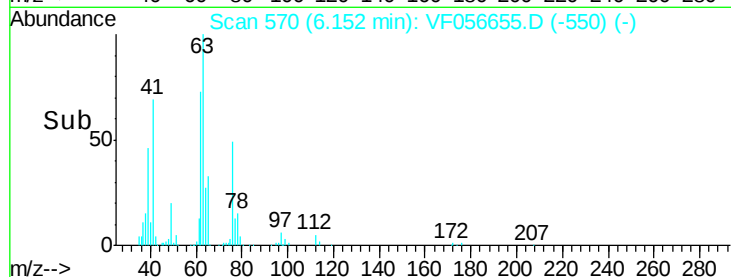
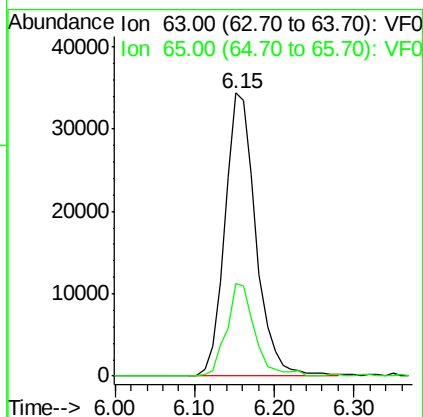
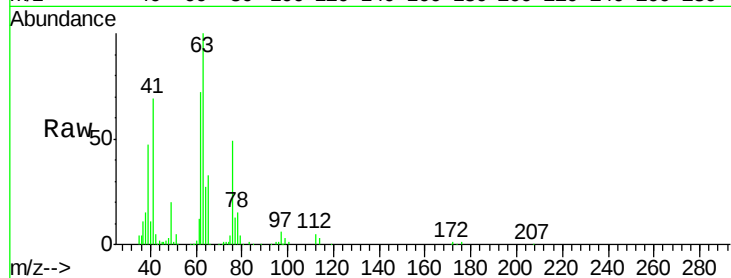
VF0223SBS01

Tgt Ion: 63 Resp: 93531

Ion Ratio Lower Upper

63 100

65 32.9 25.2 37.8



#46

Dibromomethane

Concen: 19.69 ug/l

RT: 6.00 min Scan# 555

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

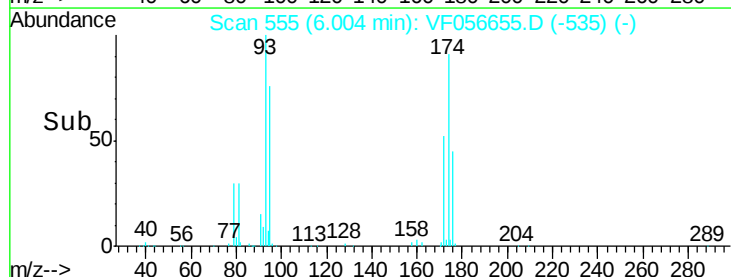
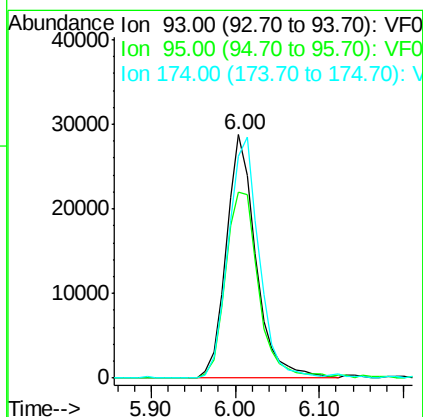
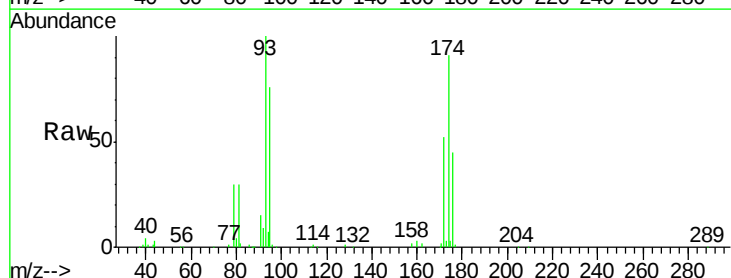
Tgt Ion: 93 Resp: 70443

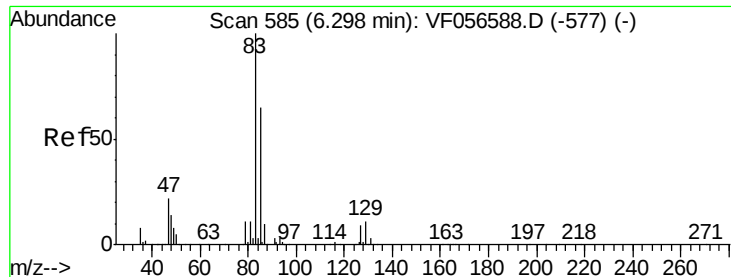
Ion Ratio Lower Upper

93 100

95 76.2 63.9 95.9

174 91.1 78.6 118.0





#47

Bromodichloromethane

Concen: 20.36 ug/l

RT: 6.30 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

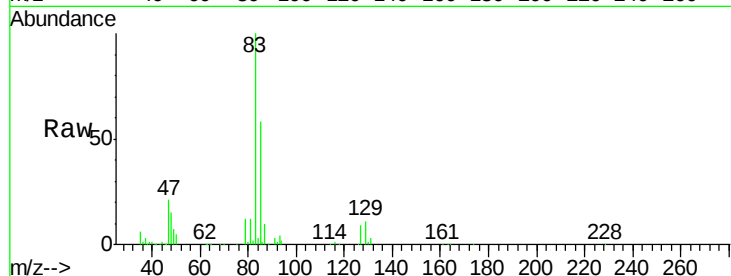
Tgt Ion: 83 Resp: 134606

Ion Ratio Lower Upper

83 100

85 57.7 52.1 78.1

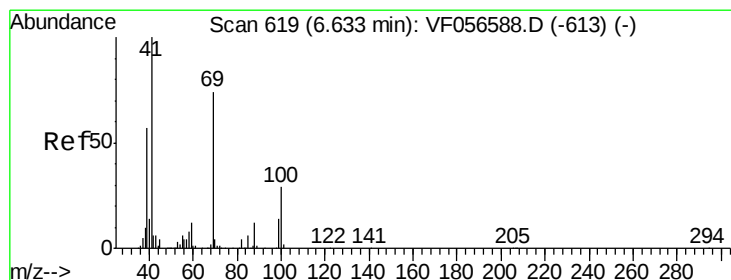
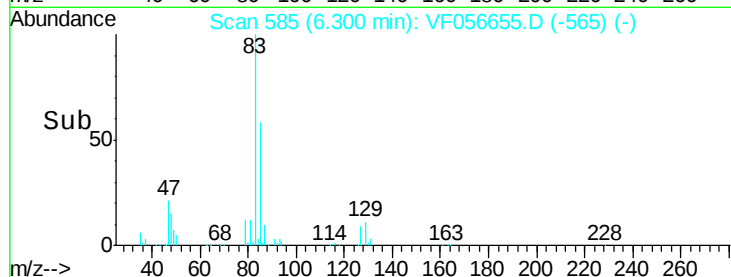
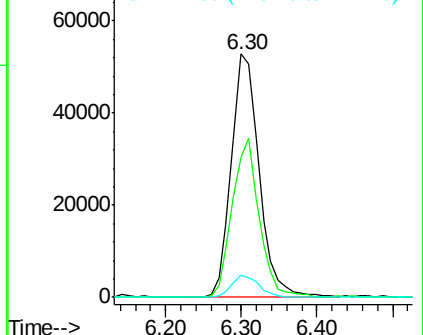
127 8.9 7.0 10.4



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: 20.81 ug/l

RT: 6.64 min Scan# 620

Delta R.T. 0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

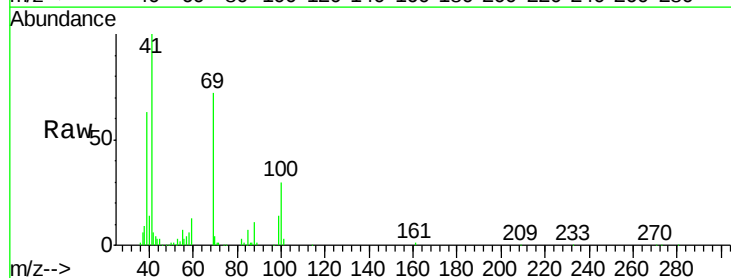
Tgt Ion: 41 Resp: 86028

Ion Ratio Lower Upper

41 100

69 72.5 58.8 88.2

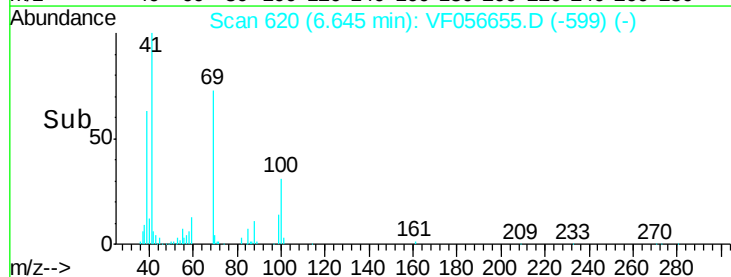
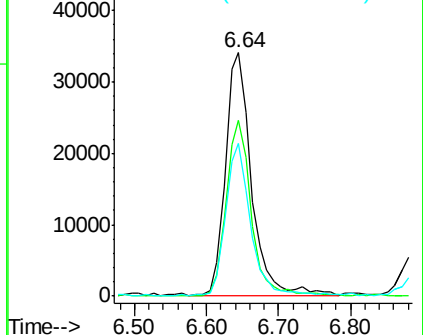
39 62.8 46.1 69.1

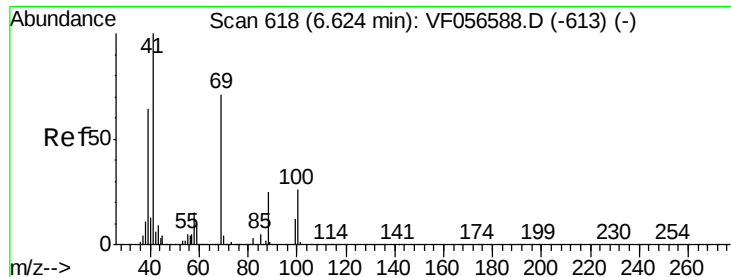


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

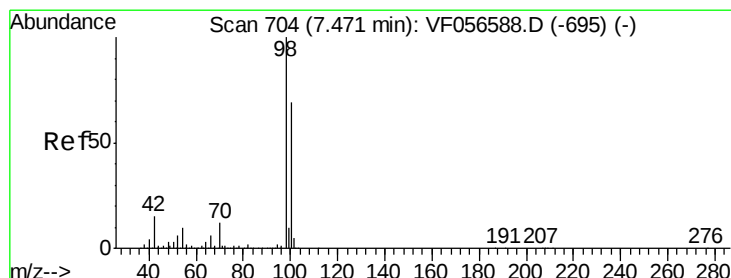
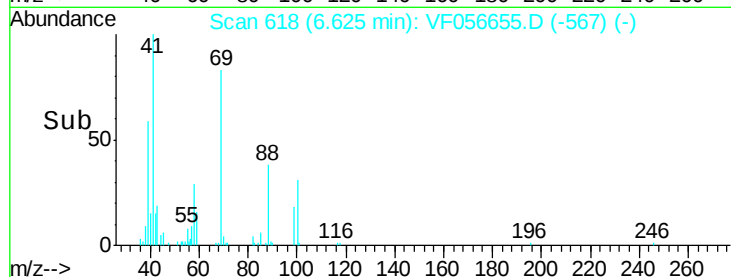
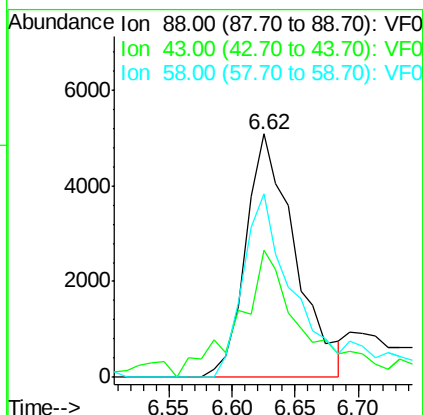
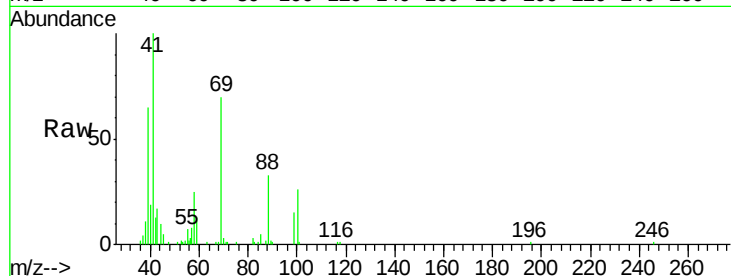




#49
1,4-Dioxane
Concen: 324.41 ug/l
RT: 6.62 min Scan# 618
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

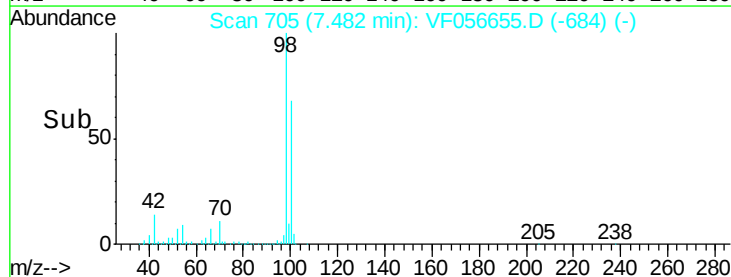
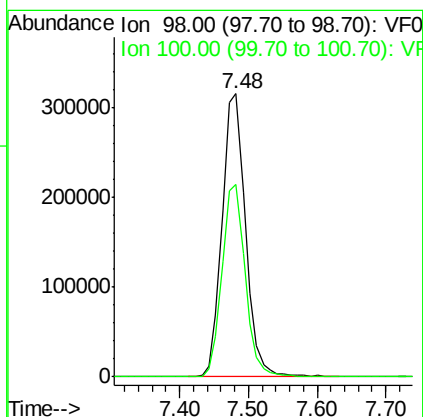
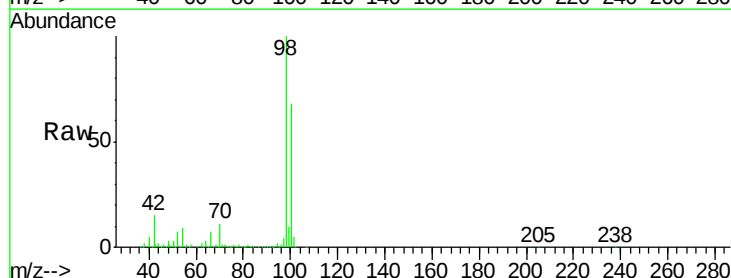
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

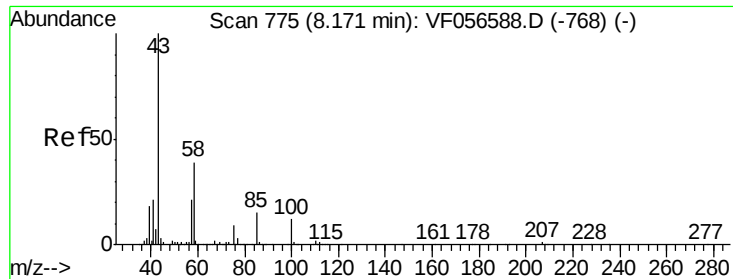
Tgt Ion: 88 Resp: 13827
Ion Ratio Lower Upper
88 100
43 52.4 30.8 46.2#
58 75.2 49.8 74.6#



#50
Toluene-d8
Concen: 48.40 ug/l
RT: 7.48 min Scan# 705
Delta R.T. 0.01 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion: 98 Resp: 745996
Ion Ratio Lower Upper
98 100
100 68.2 55.4 83.0

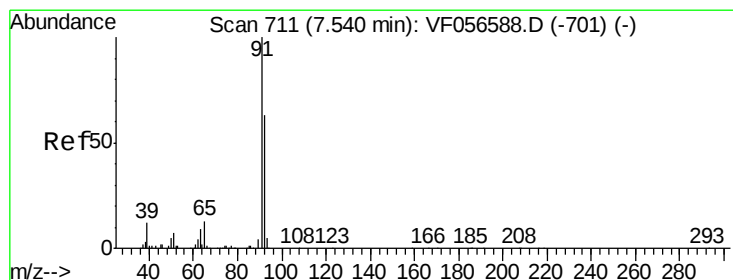
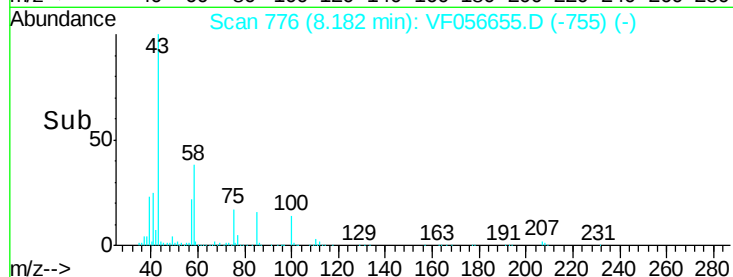
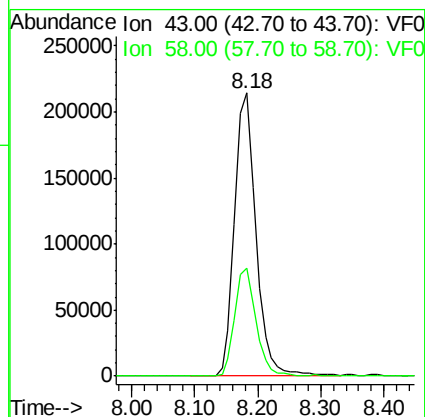
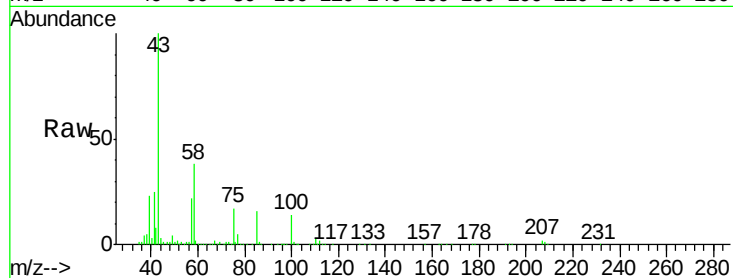




#51
 4-Methyl-2-Pentanone
 Concen: 103.56 ug/l
 RT: 8.18 min Scan# 776
 Delta R.T. 0.01 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

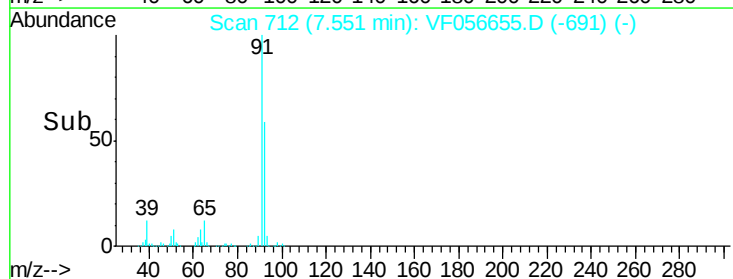
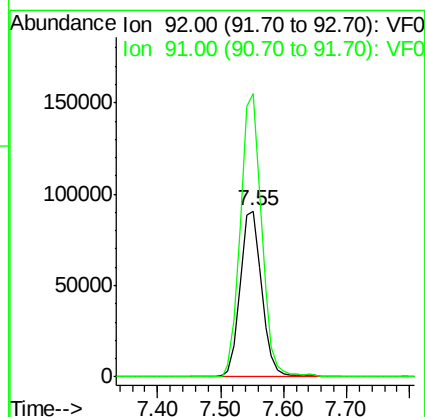
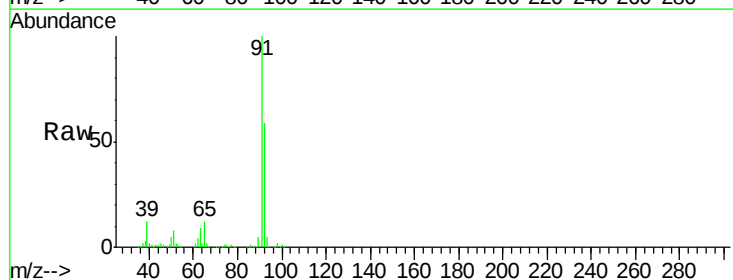
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

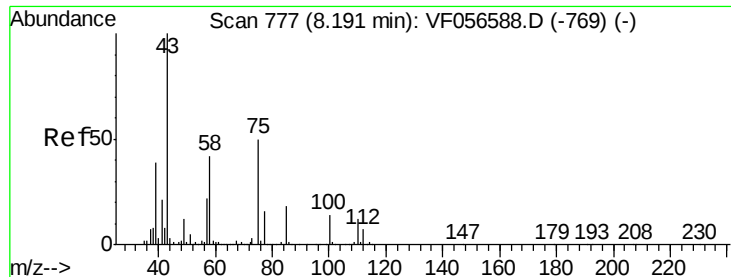
Tgt Ion: 43 Resp: 499829
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.9 46.3



#52
 Toluene
 Concen: 19.70 ug/l
 RT: 7.55 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion: 92 Resp: 214165
 Ion Ratio Lower Upper
 92 100
 91 170.4 127.2 190.8

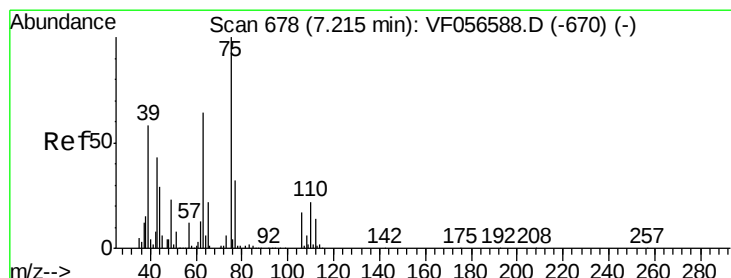
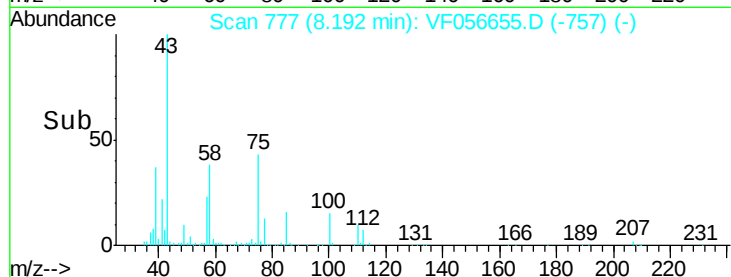
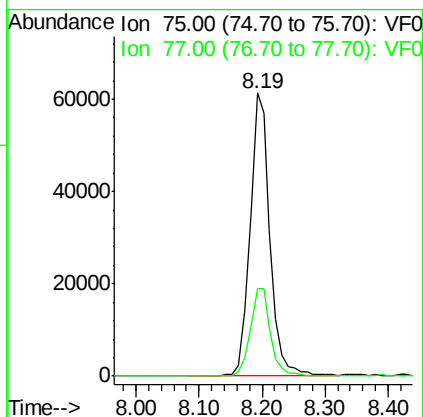
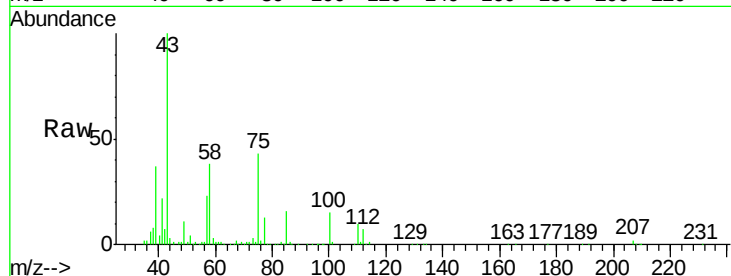




#53
 t-1,3-Dichloropropene
 Concen: 20.20 ug/l
 RT: 8.19 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

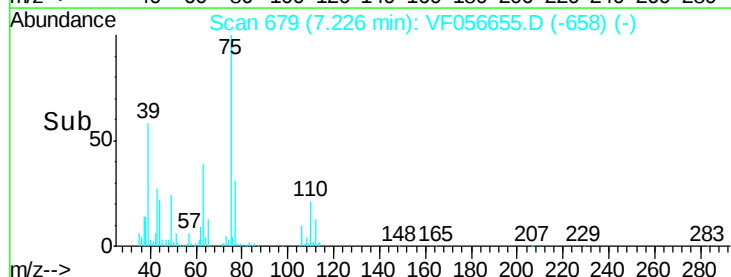
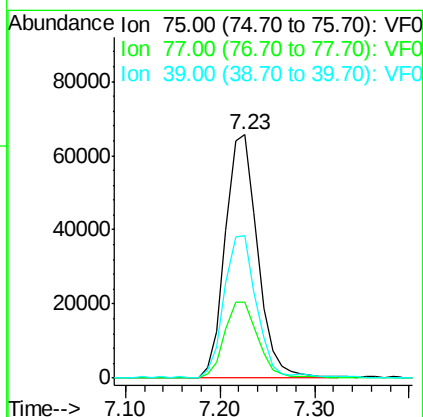
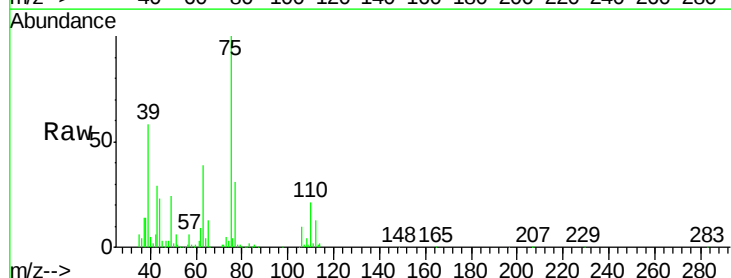
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBSD01

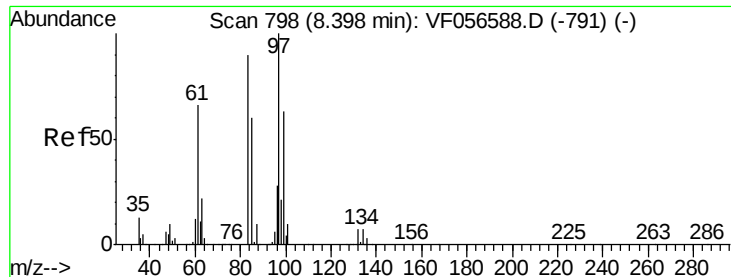
Tgt Ion: 75 Resp: 134512
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.14 ug/l
 RT: 7.23 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion: 75 Resp: 156108
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5
 39 58.4 47.0 70.6

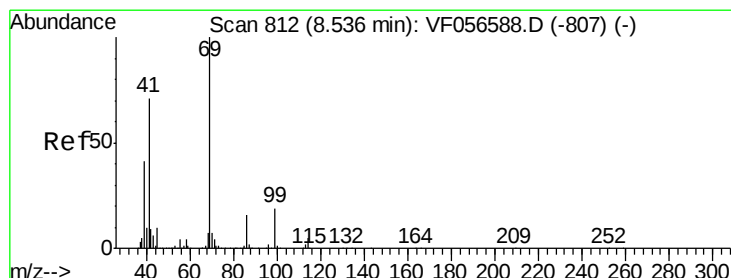
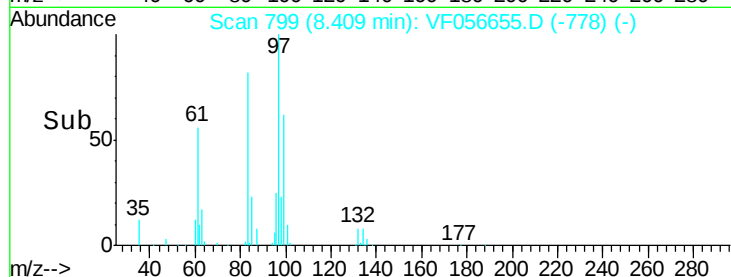
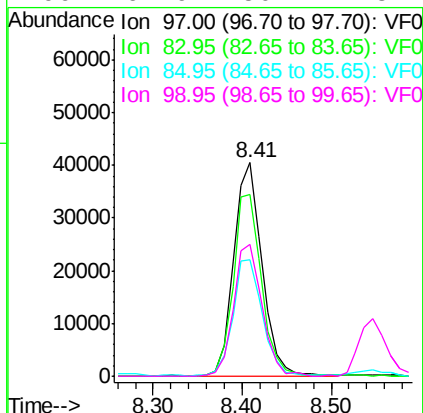
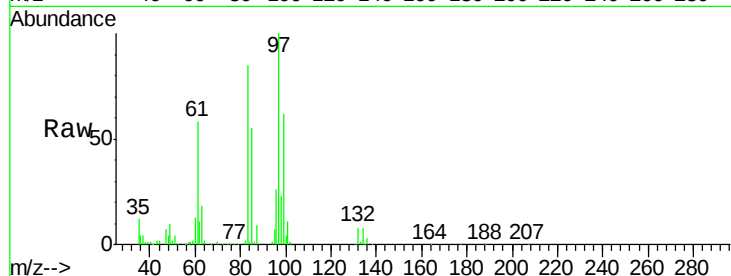




#55
 1,1,2-Trichloroethane
 Concen: 20.96 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. 0.01 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

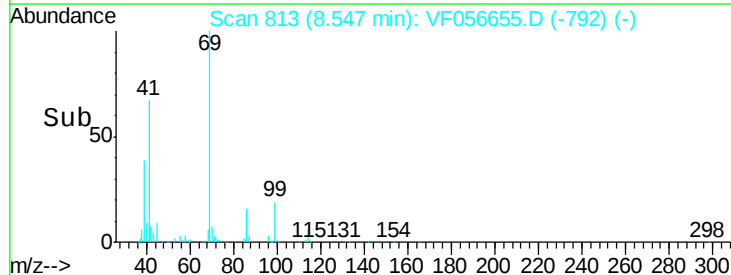
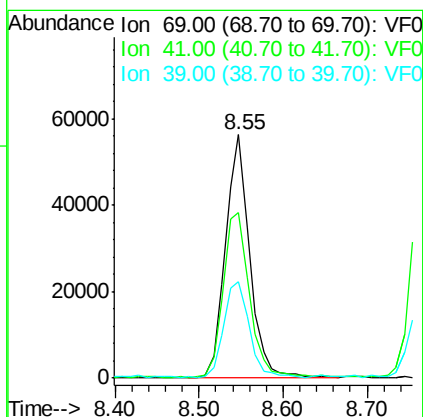
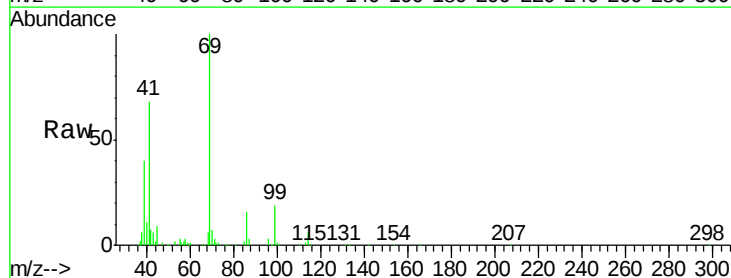
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

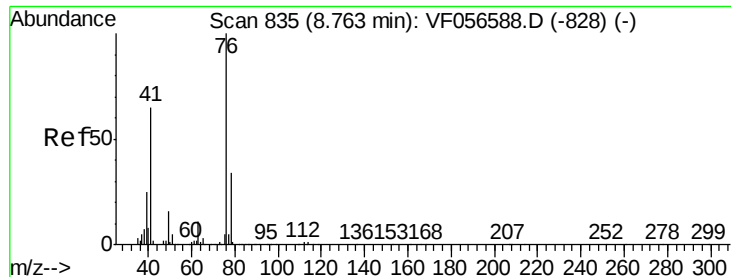
Tgt Ion:	97	Resp:	90254
Ion	Ratio	Lower	Upper
97	100		
83	85.1	71.8	107.8
85	54.6	48.0	72.0
99	61.9	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 20.11 ug/l
 RT: 8.55 min Scan# 813
 Delta R.T. 0.01 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion:	69	Resp:	113090
Ion	Ratio	Lower	Upper
69	100		
41	68.1	57.2	85.8
39	39.6	33.0	49.6





#57

1,3-Dichloropropane

Concen: 20.28 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

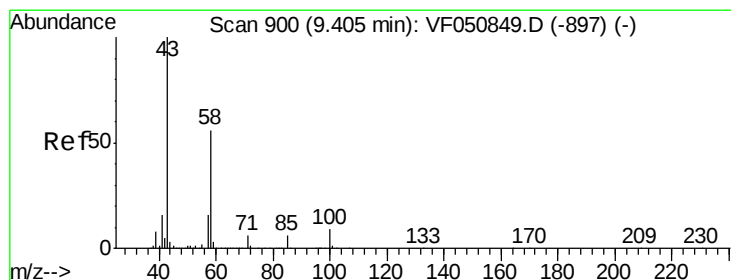
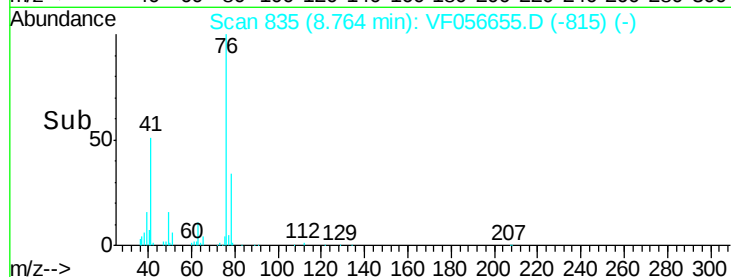
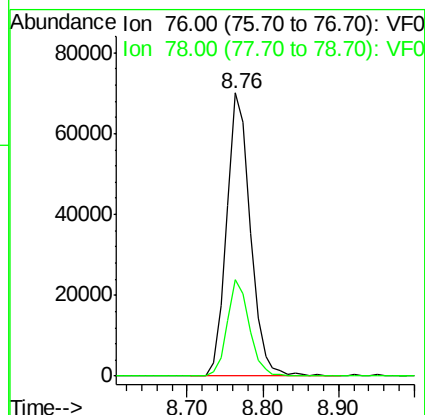
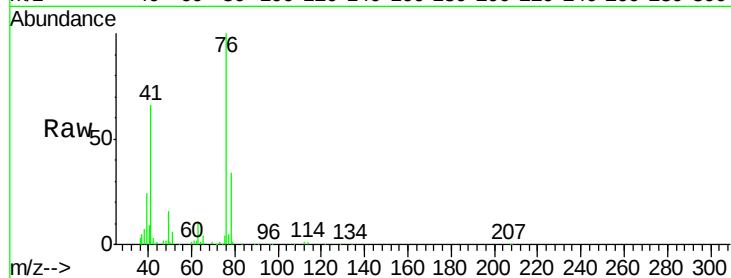
VF0223SBS01

Tgt Ion: 76 Resp: 151880

Ion Ratio Lower Upper

76 100

78 34.1 27.0 40.6



#58

2-Chloroethyl Vinyl ether

Concen: 42.46 ug/l

RT: 7.54 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF056655.D

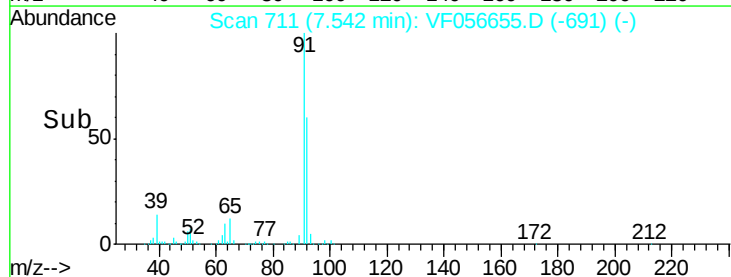
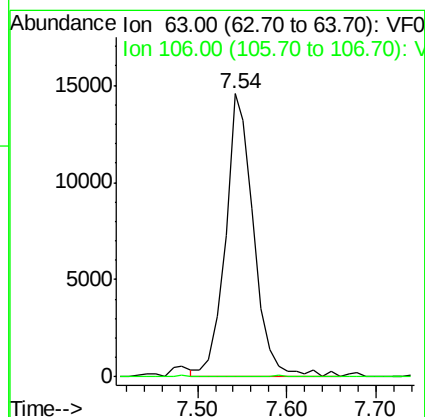
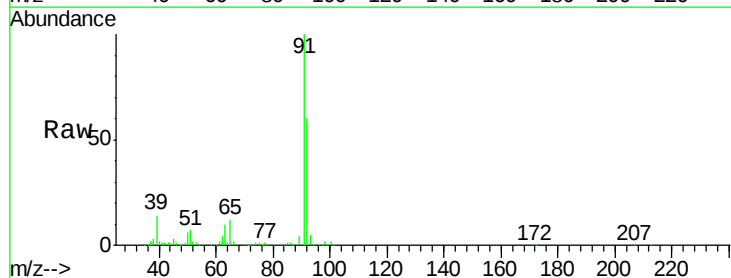
Acq: 23 Feb 2018 14:43

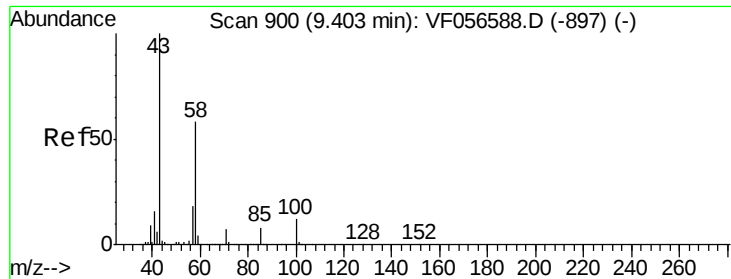
Tgt Ion: 63 Resp: 32469

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

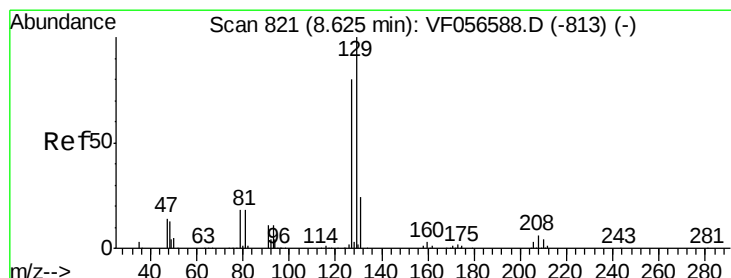
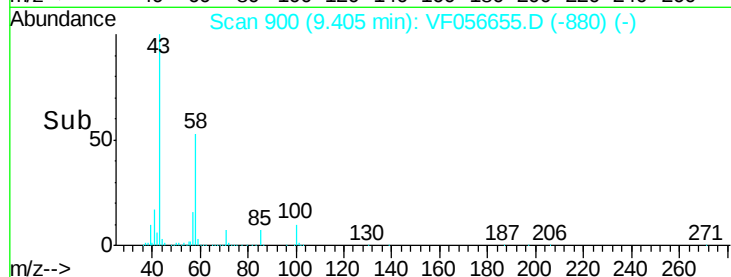
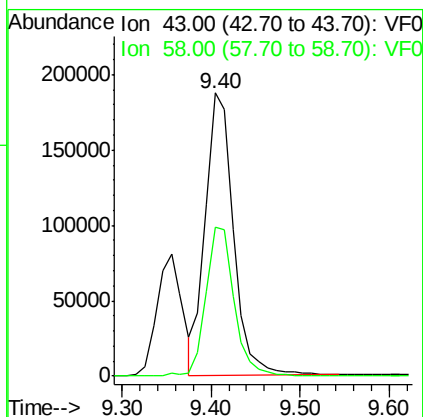
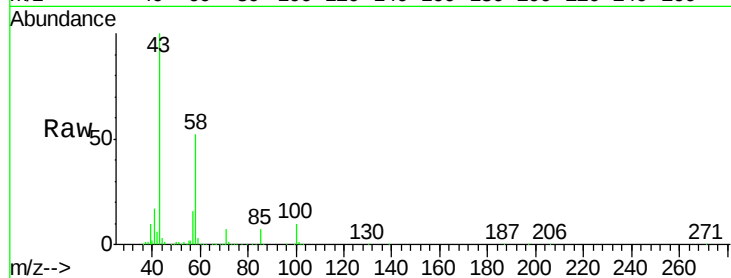




#59
2-Hexanone
Concen: 104.55 ug/l
RT: 9.40 min Scan# 900
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

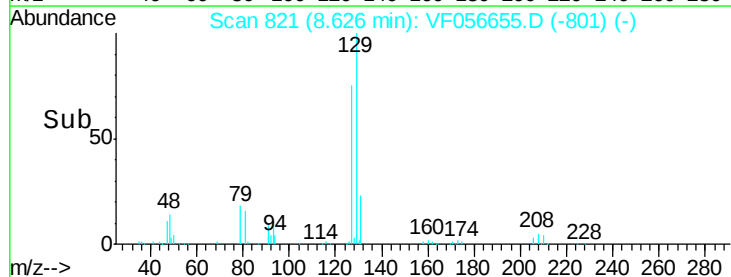
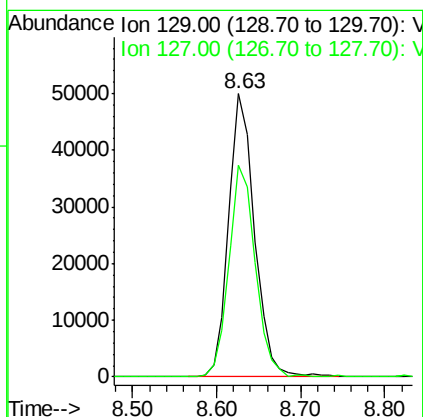
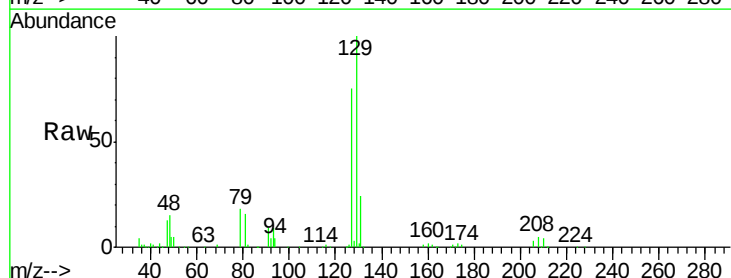
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

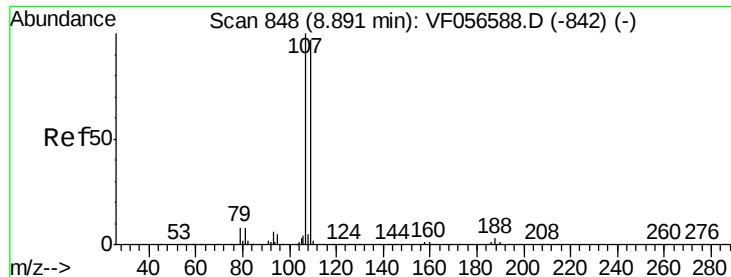
Tgt Ion: 43 Resp: 409577
Ion Ratio Lower Upper
43 100
58 52.5 26.6 79.7



#60
Dibromochloromethane
Concen: 20.56 ug/l
RT: 8.63 min Scan# 821
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion: 129 Resp: 107376
Ion Ratio Lower Upper
129 100
127 74.9 40.2 120.5





#61

1,2-Dibromoethane

Concen: 20.63 ug/l

RT: 8.90 min Scan# 849

Delta R.T. 0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

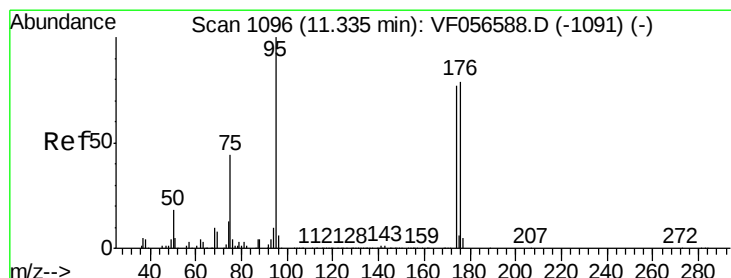
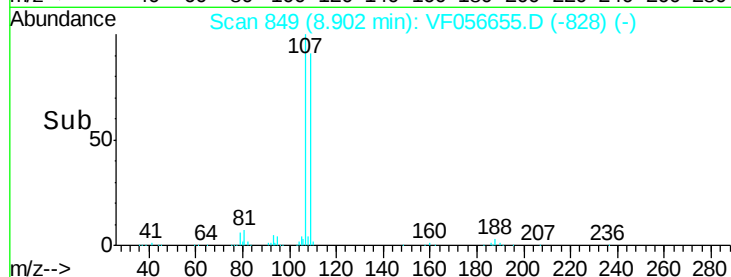
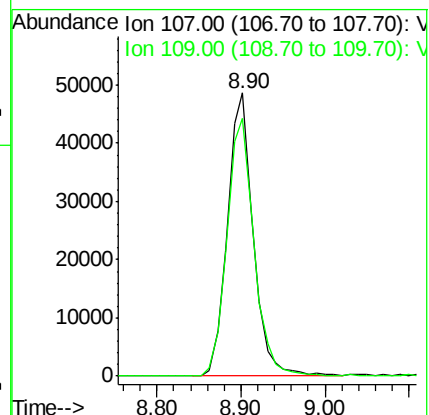
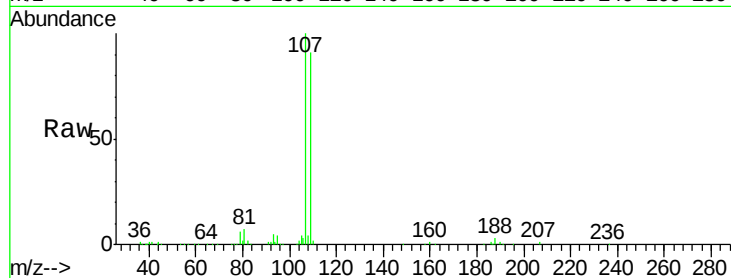
VF0223SBSD01

Tgt Ion: 107 Resp: 102881

Ion Ratio Lower Upper

107 100

109 91.1 77.4 116.0



#62

4-Bromofluorobenzene

Concen: 51.47 ug/l

RT: 11.34 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

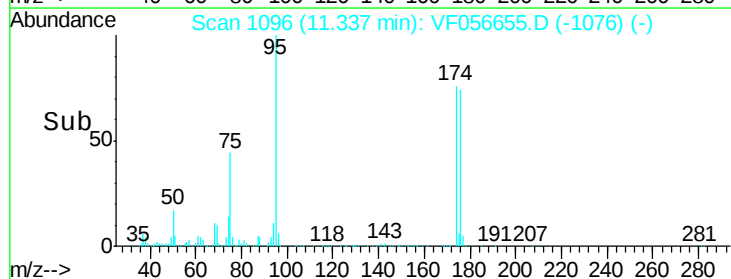
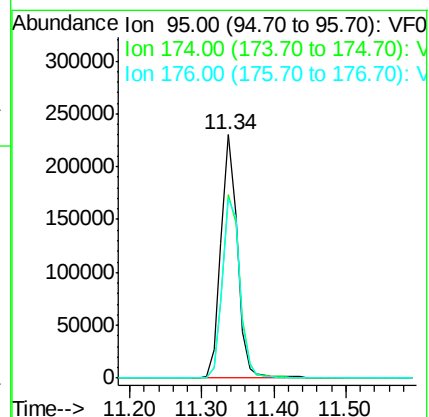
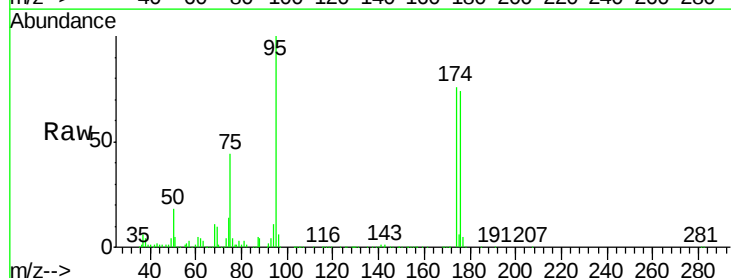
Tgt Ion: 95 Resp: 360855

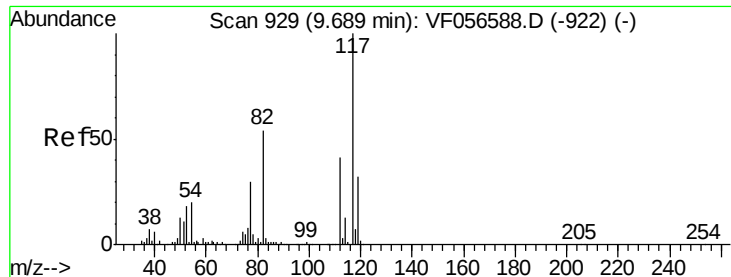
Ion Ratio Lower Upper

95 100

174 75.5 0.0 154.2

176 73.8 0.0 157.2

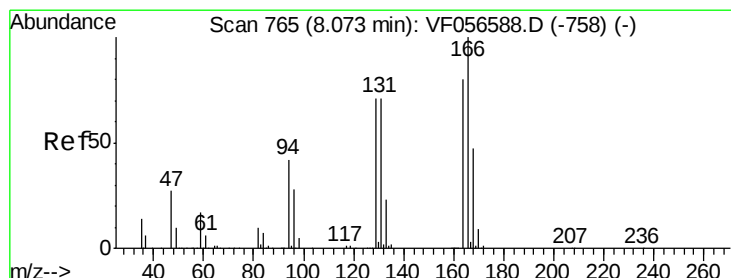
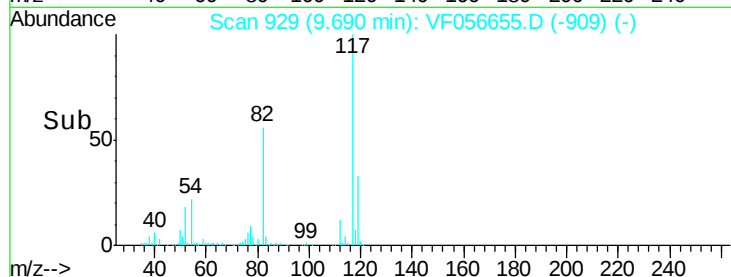
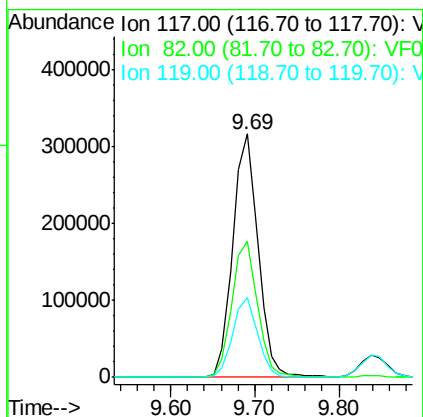
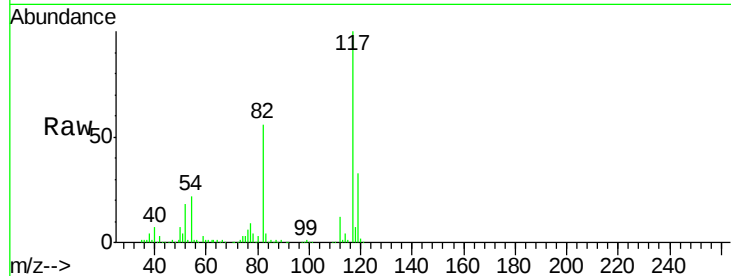




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.69 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

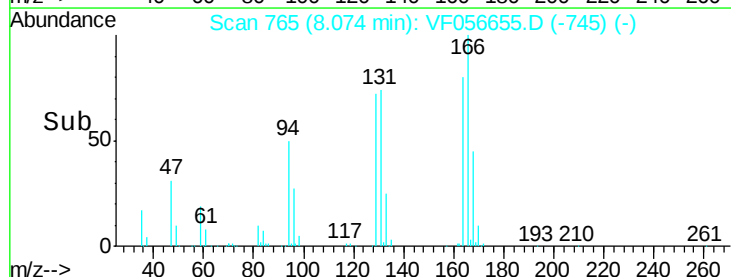
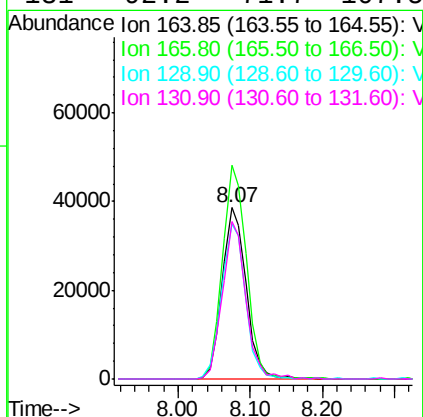
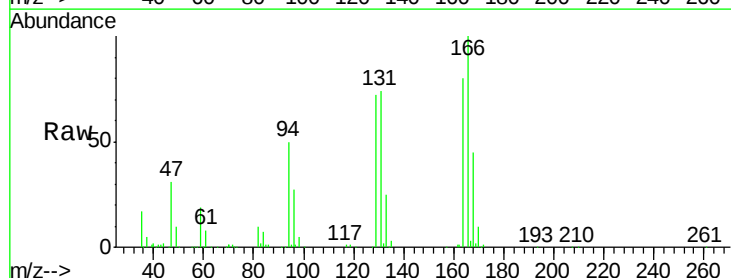
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

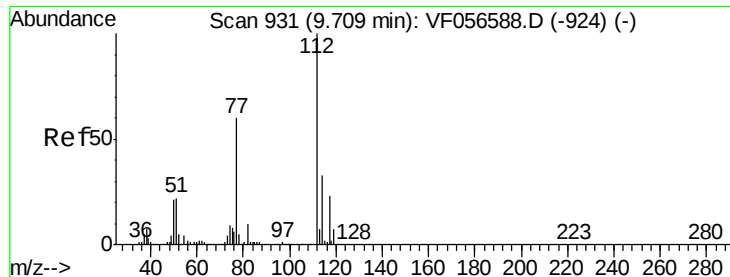
Tgt Ion:117 Resp: 664026
Ion Ratio Lower Upper
117 100
82 55.8 43.0 64.6
119 33.0 25.5 38.3



#64
Tetrachloroethene
Concen: 18.62 ug/l
RT: 8.07 min Scan# 765
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion:164 Resp: 89008
Ion Ratio Lower Upper
164 100
166 124.7 100.3 150.5
129 90.3 71.4 107.0
131 92.2 71.7 107.5





#65

Chlorobenzene

Concen: 19.81 ug/l

RT: 9.71 min Scan# 931

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

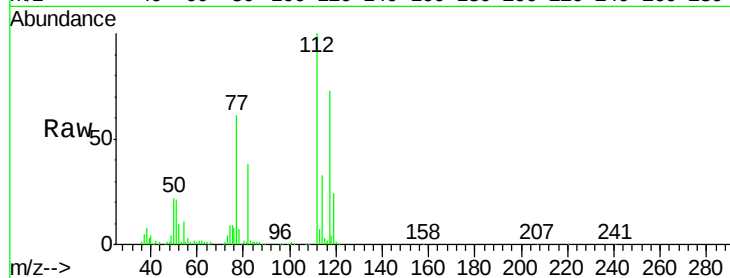
VF0223SBS01

Tgt Ion:112 Resp: 257729

Ion Ratio Lower Upper

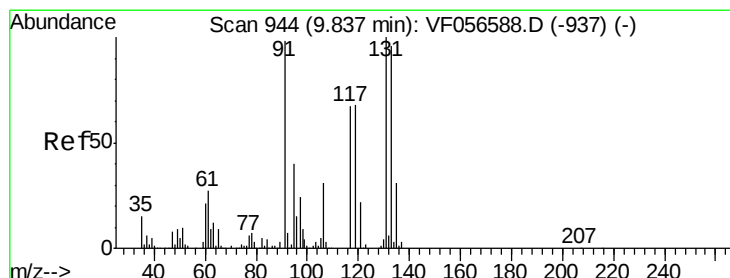
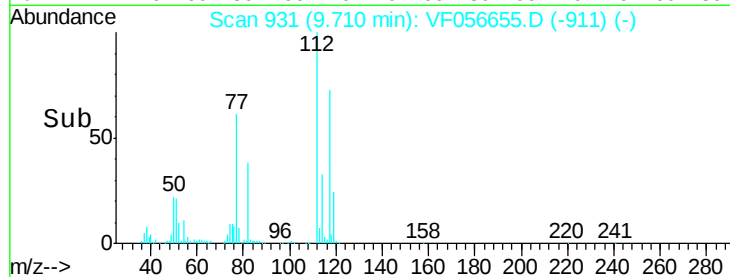
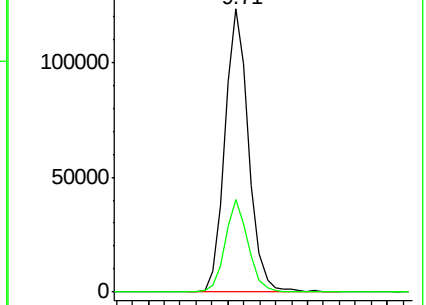
112 100

114 32.7 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.25 ug/l

RT: 9.84 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

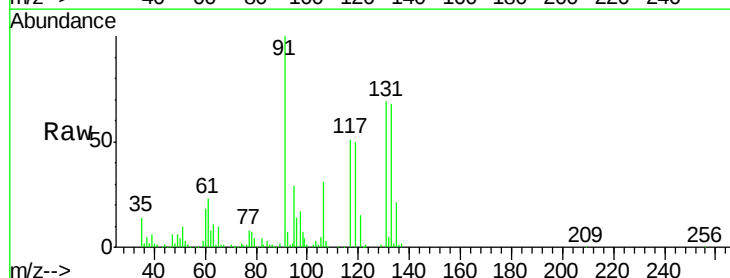
Tgt Ion:131 Resp: 86339

Ion Ratio Lower Upper

131 100

133 98.7 48.2 144.6

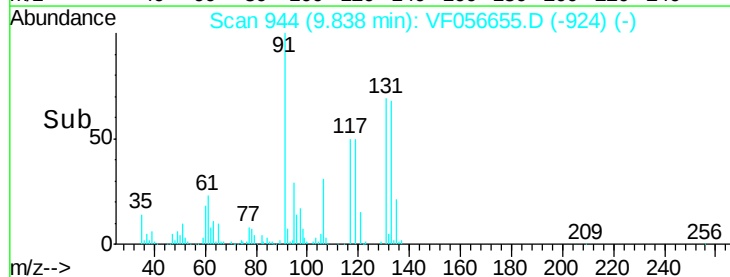
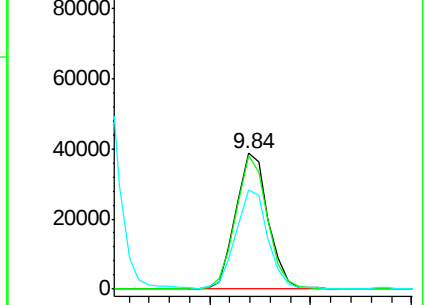
119 72.9 34.0 101.8

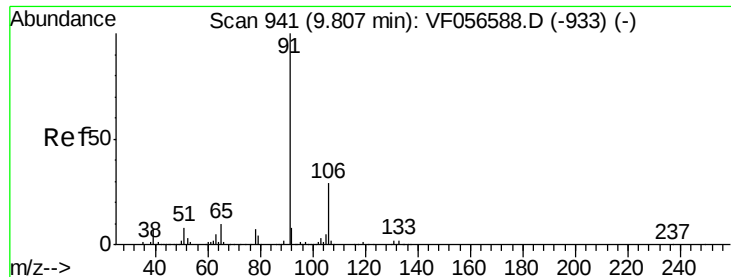


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

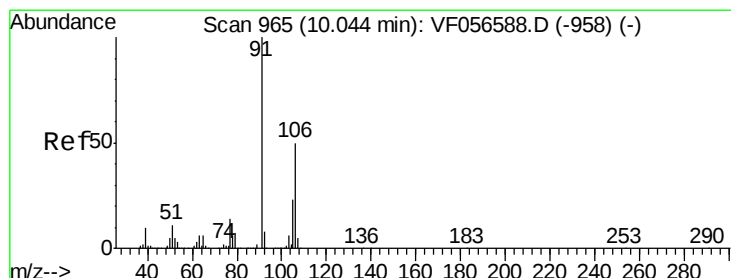
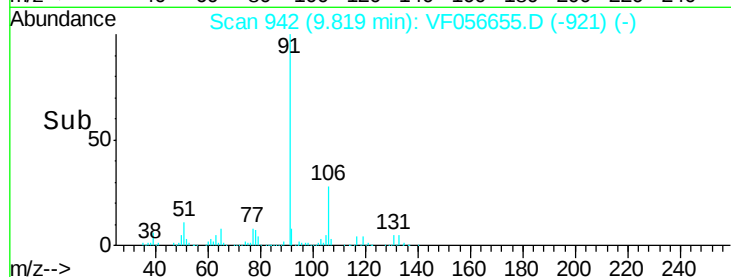
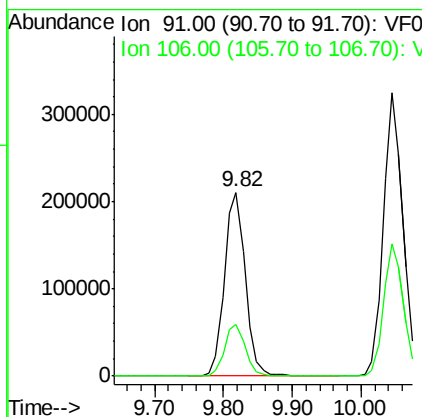
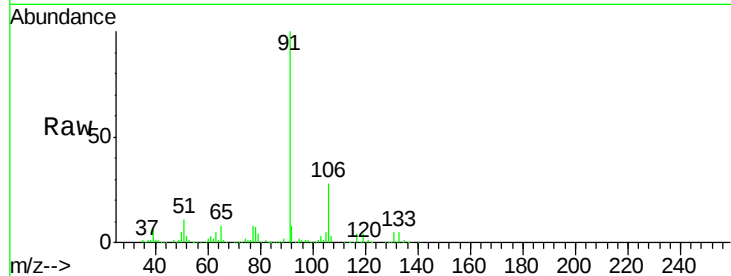




#67
Ethyl Benzene
Concen: 19.90 ug/l
RT: 9.82 min Scan# 942
Delta R.T. 0.01 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

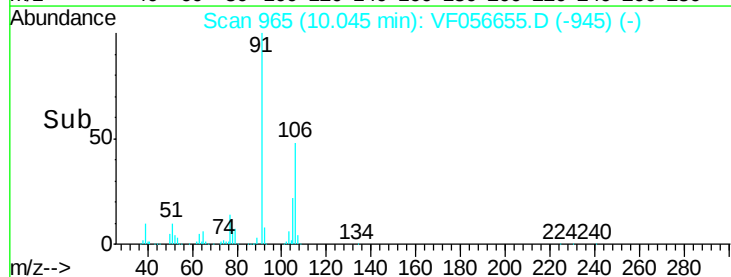
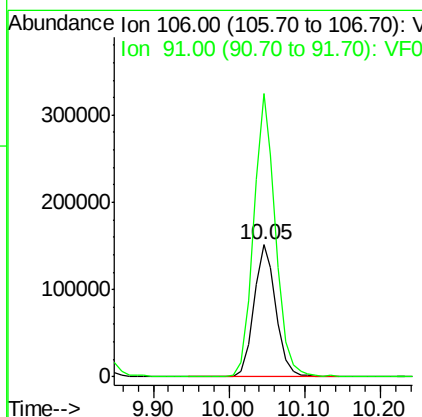
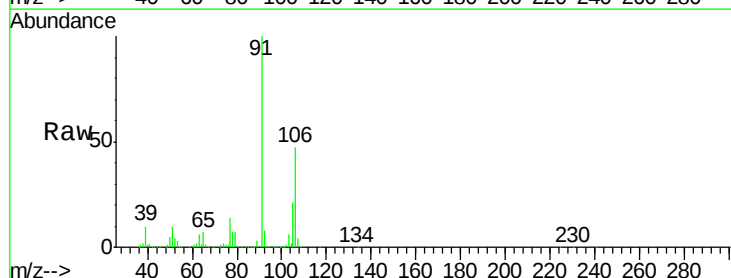
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBSD01

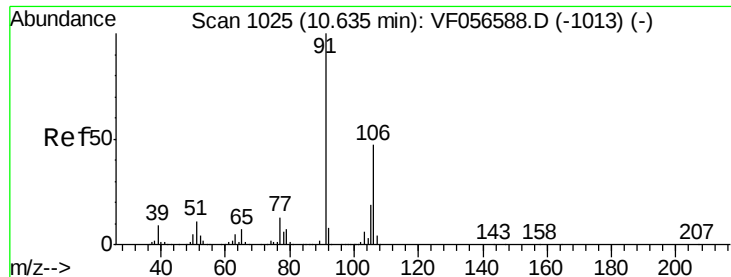
Tgt Ion: 91 Resp: 441533
Ion Ratio Lower Upper
91 100
106 28.4 23.2 34.8



#68
m/p-Xylenes
Concen: 38.07 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion: 106 Resp: 308968
Ion Ratio Lower Upper
106 100
91 214.1 159.2 238.8

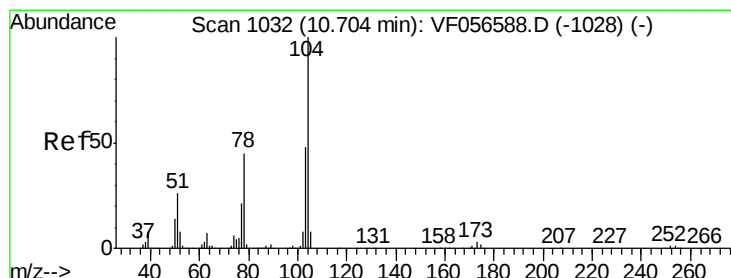
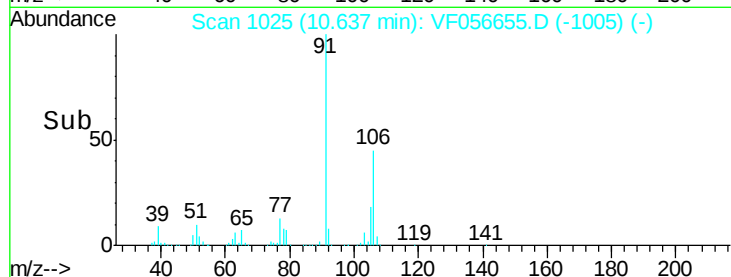
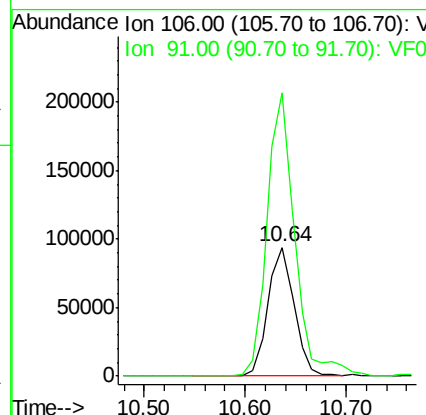
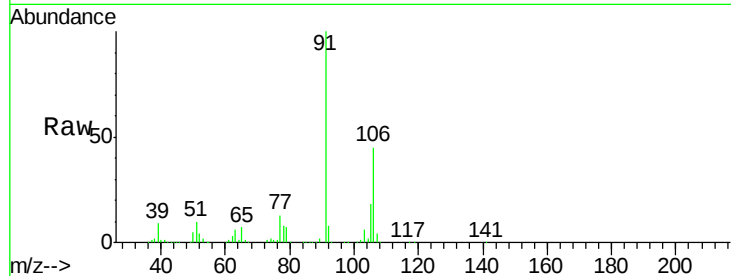




#69
o-Xylene
Concen: 20.22 ug/l
RT: 10.64 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

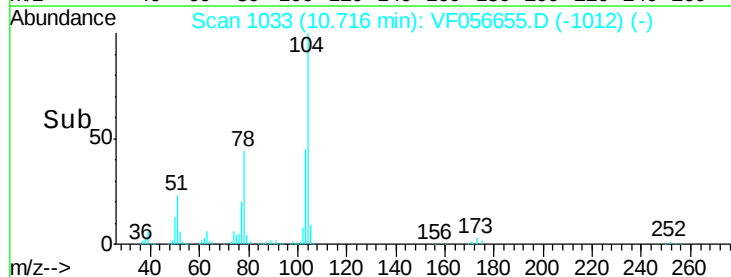
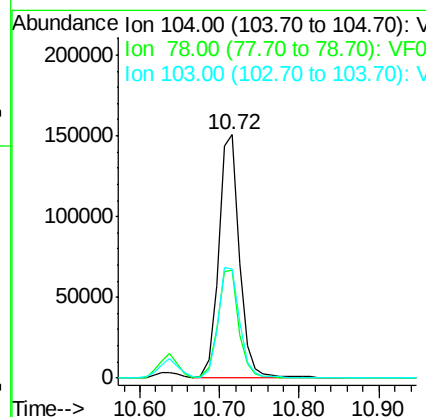
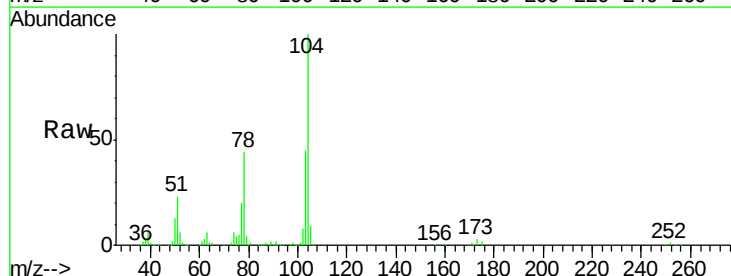
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBSD01

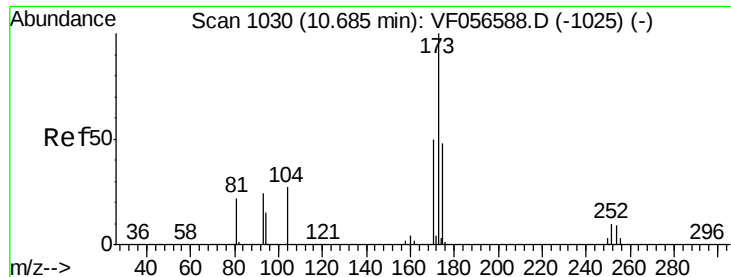
Tgt Ion:106 Resp: 170352
Ion Ratio Lower Upper
106 100
91 220.2 107.6 322.8



#70
Styrene
Concen: 20.76 ug/l
RT: 10.72 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion:104 Resp: 277114
Ion Ratio Lower Upper
104 100
78 44.5 36.4 54.6
103 44.6 38.7 58.1





#71

Bromoform

Concen: 19.46 ug/l

RT: 10.69 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

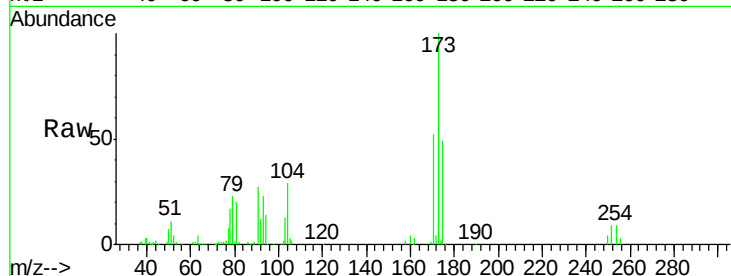
Tgt Ion:173 Resp: 69867

Ion Ratio Lower Upper

173 100

175 49.4 24.0 72.0

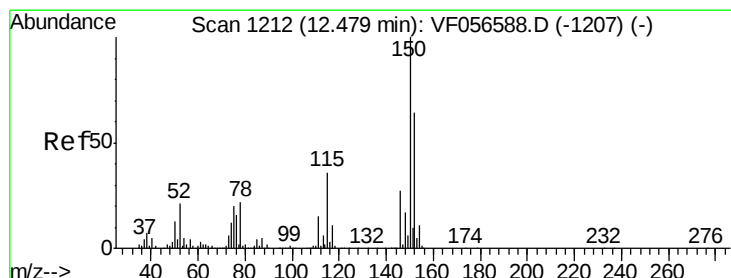
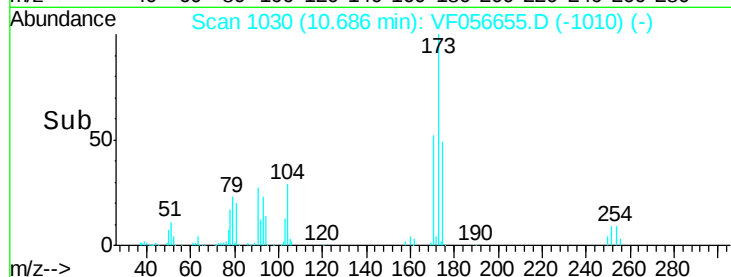
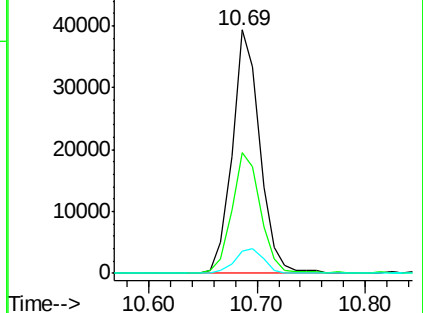
254 9.0 7.5 11.3



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: VF056655.D

Acq: 23 Feb 2018 14:43

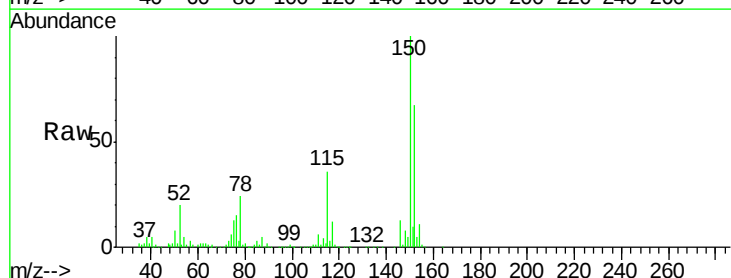
Tgt Ion:152 Resp: 348044

Ion Ratio Lower Upper

152 100

115 53.2 28.1 84.3

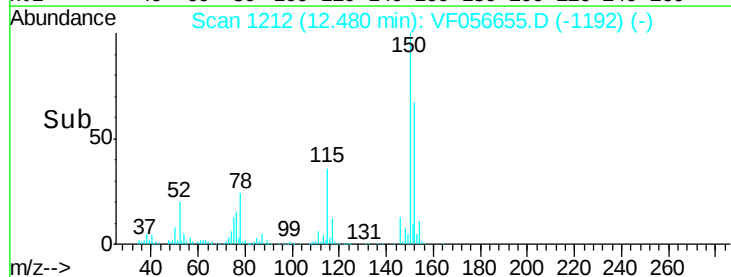
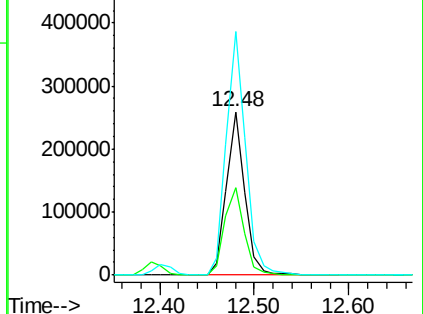
150 149.0 0.0 315.6

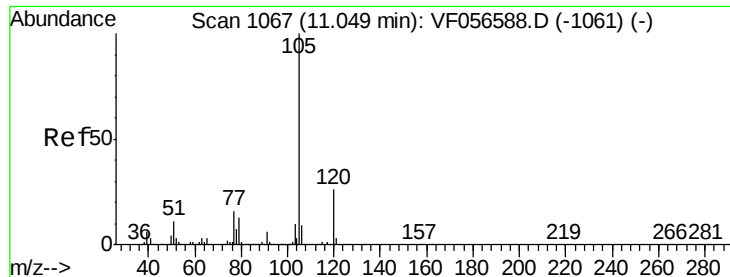


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.11 ug/l

RT: 11.05 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

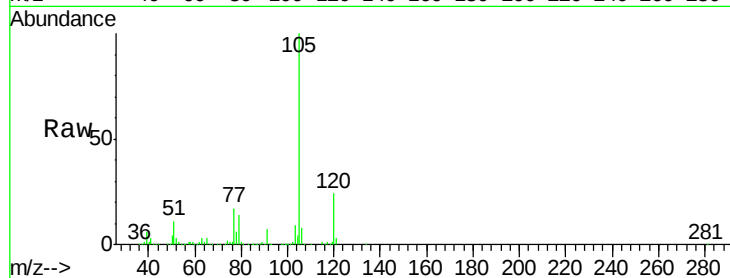
VF0223SBS01

Tgt Ion:105 Resp: 460973

Ion Ratio Lower Upper

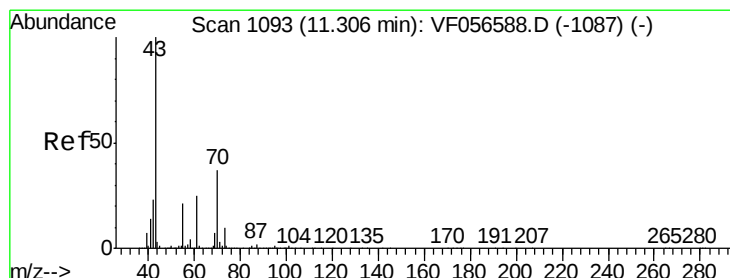
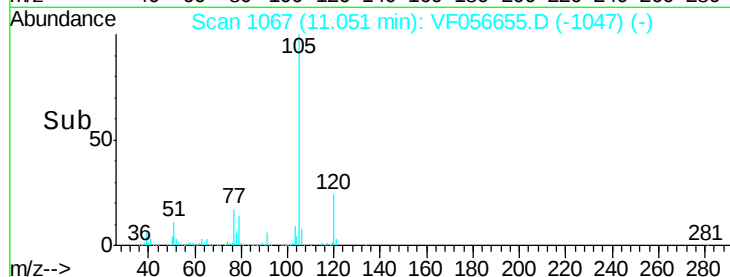
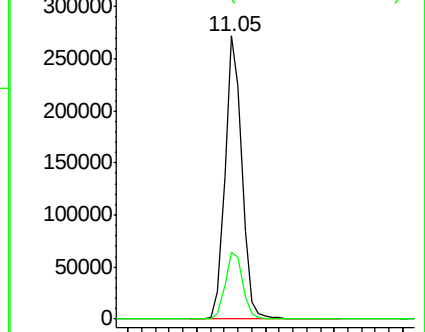
105 100

120 23.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.76 ug/l

RT: 11.31 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion: 43 Resp: 192402

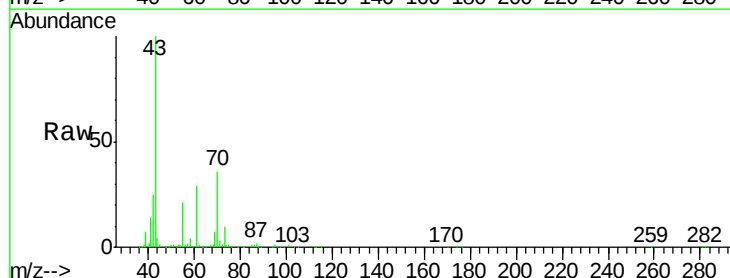
Ion Ratio Lower Upper

43 100

70 36.4 29.5 44.3

55 21.1 17.0 25.4

61 28.8 20.0 30.0

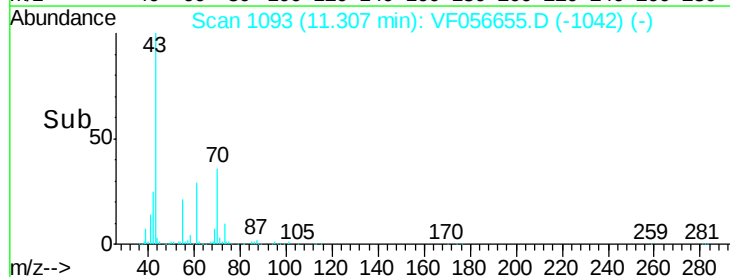
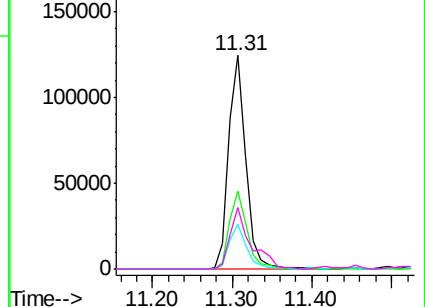


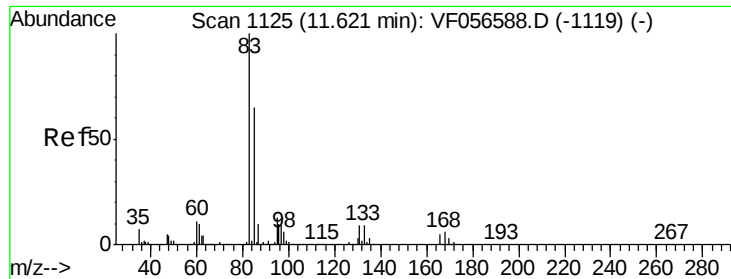
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 19.87 ug/l

RT: 11.62 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

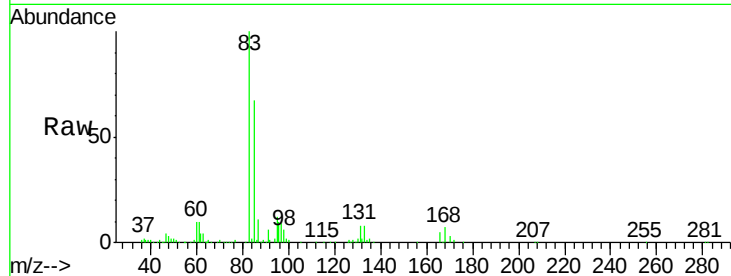
Tgt Ion: 83 Resp: 137788

Ion Ratio Lower Upper

83 100

131 7.8 4.5 13.4

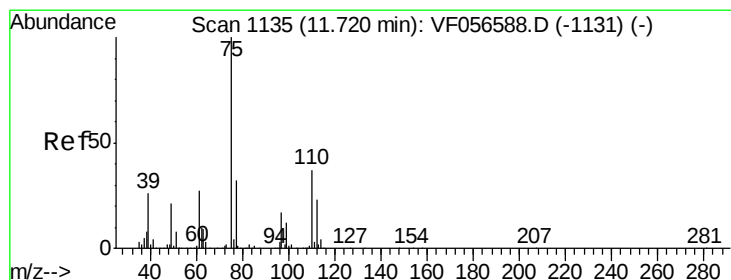
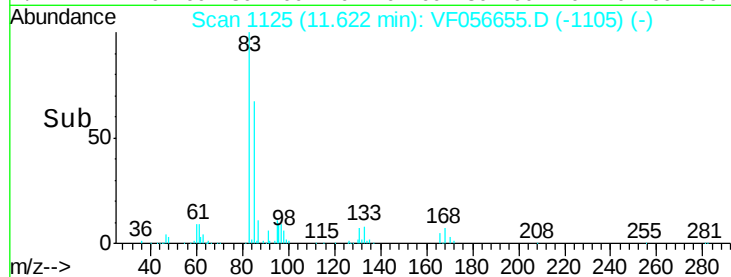
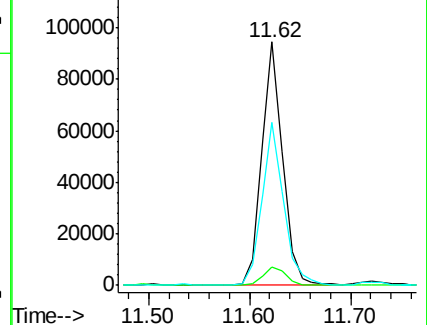
85 66.8 32.4 97.2



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: 20.43 ug/l

RT: 11.72 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF056655.D

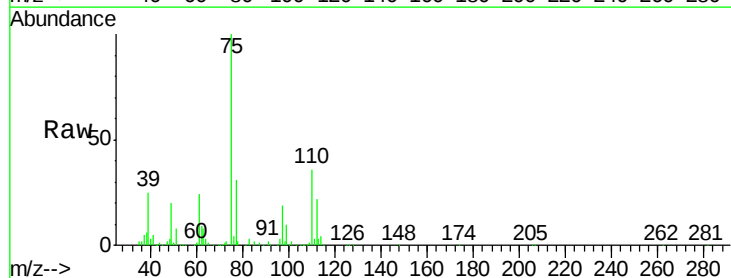
Acq: 23 Feb 2018 14:43

Tgt Ion: 75 Resp: 108722

Ion Ratio Lower Upper

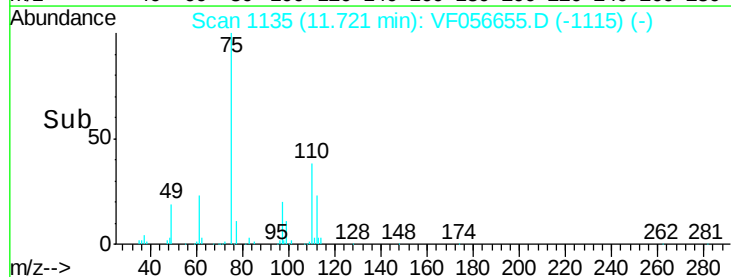
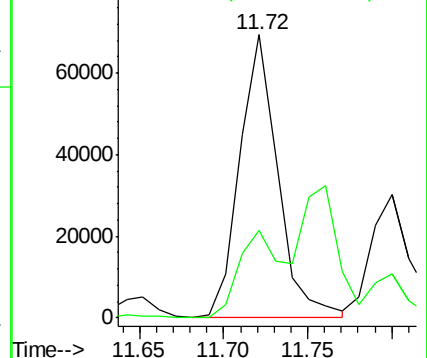
75 100

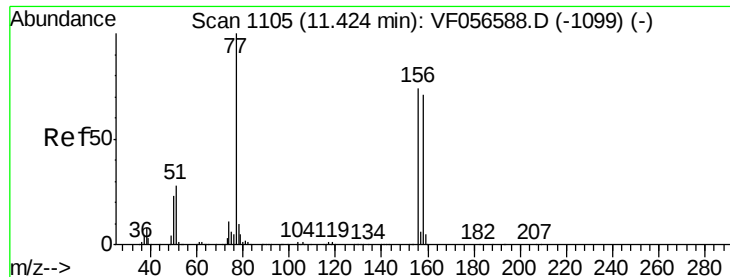
77 30.9 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.45 ug/l

RT: 11.43 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

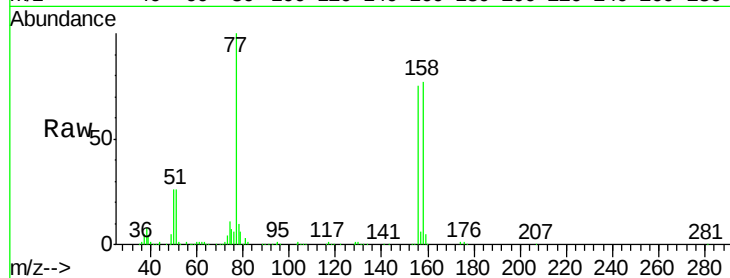
Tgt Ion: 156 Resp: 120950

Ion Ratio Lower Upper

156 100

77 133.4 67.3 201.8

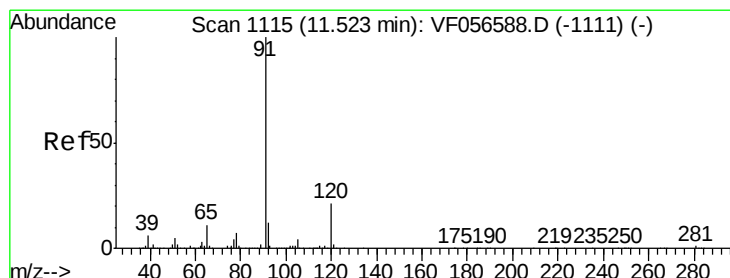
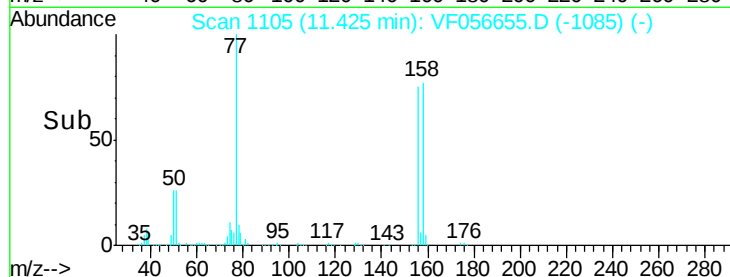
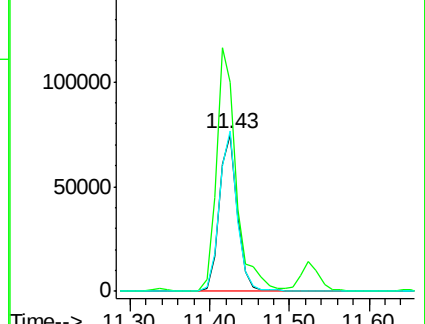
158 102.8 48.0 144.2



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: 20.19 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF056655.D

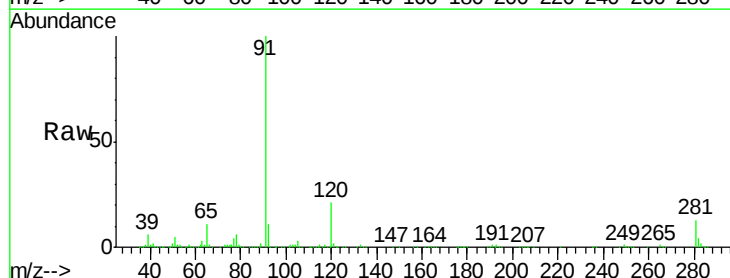
Acq: 23 Feb 2018 14:43

Tgt Ion: 91 Resp: 570116

Ion Ratio Lower Upper

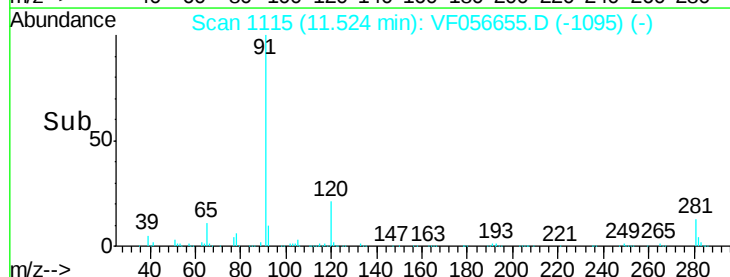
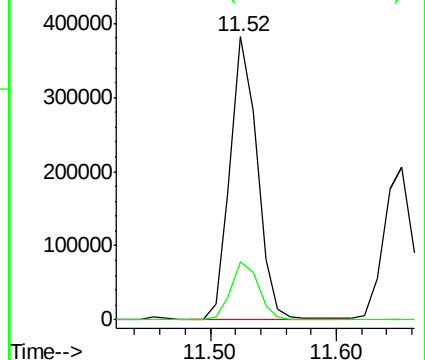
91 100

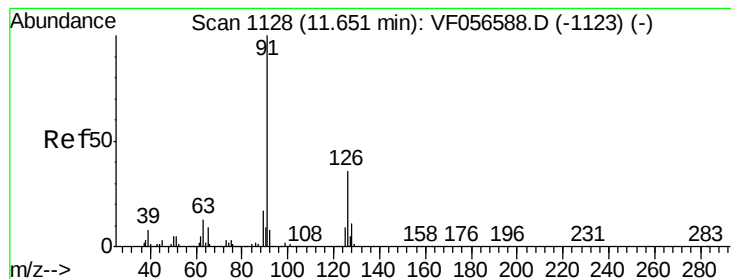
120 20.5 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.84 ug/l

RT: 11.65 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

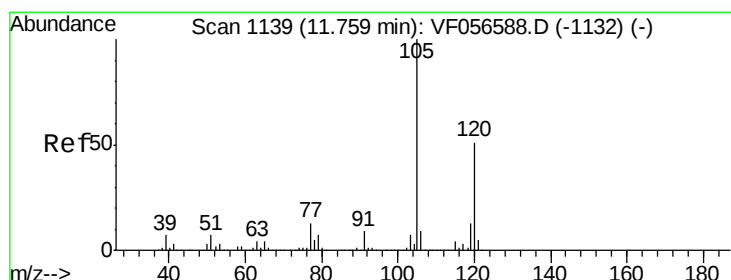
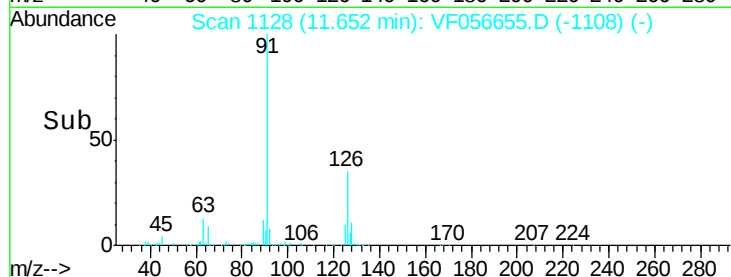
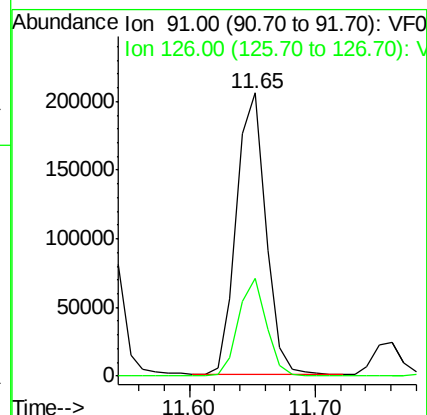
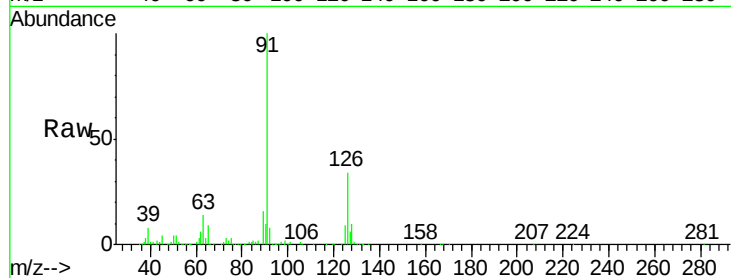
VF0223SBS01

Tgt Ion: 91 Resp: 329960

Ion Ratio Lower Upper

91 100

126 34.5 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: VF056655.D

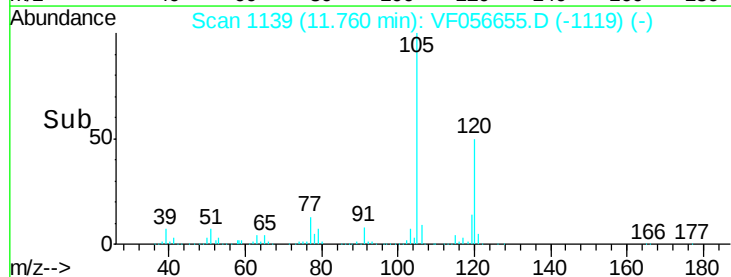
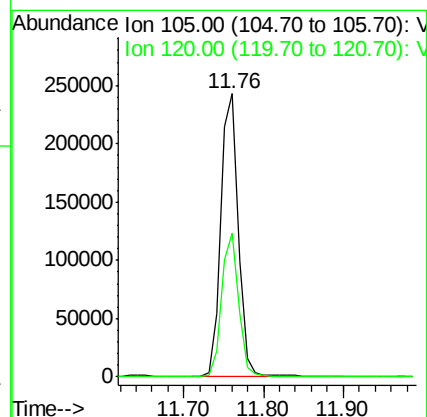
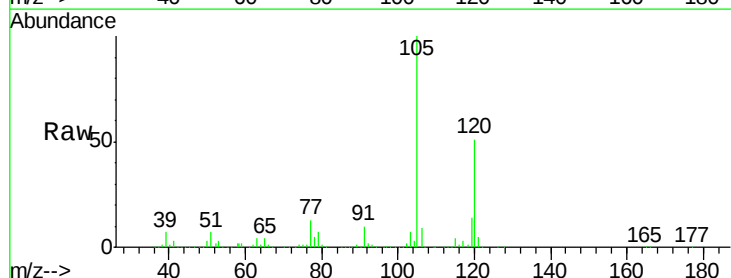
Acq: 23 Feb 2018 14:43

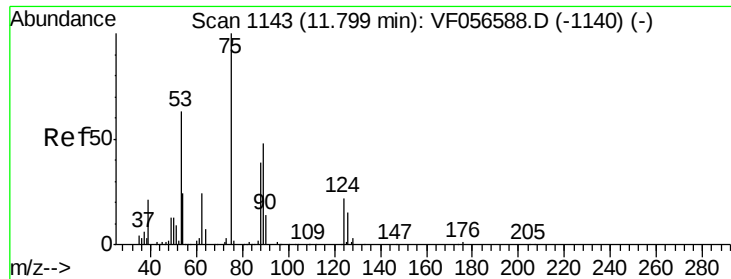
Tgt Ion: 105 Resp: 380372

Ion Ratio Lower Upper

105 100

120 50.8 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.22 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

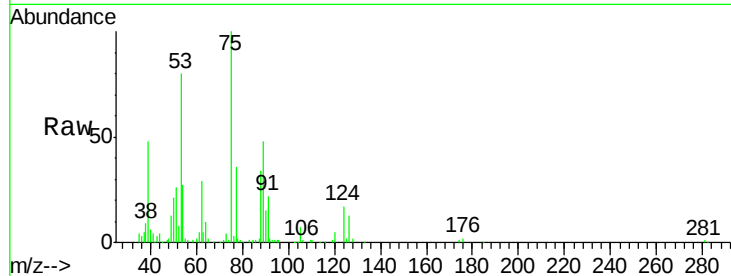
Tgt Ion: 75 Resp: 56041

Ion Ratio Lower Upper

75 100

53 79.7 55.4 83.0

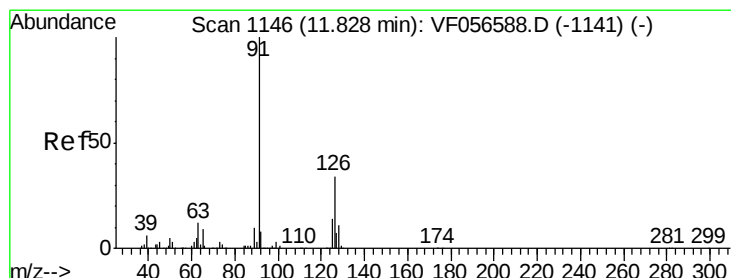
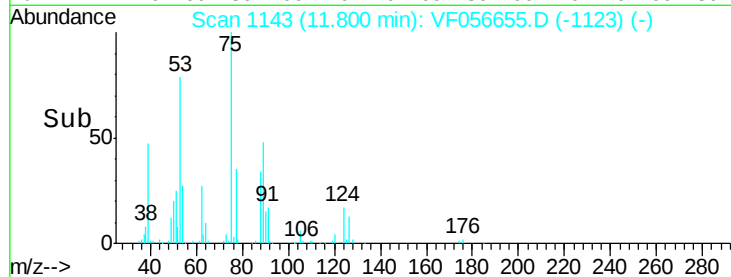
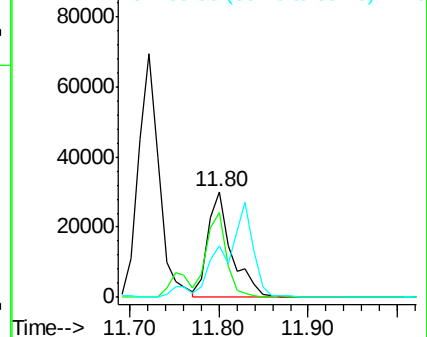
89 48.3 40.4 60.6



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: 19.90 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VF056655.D

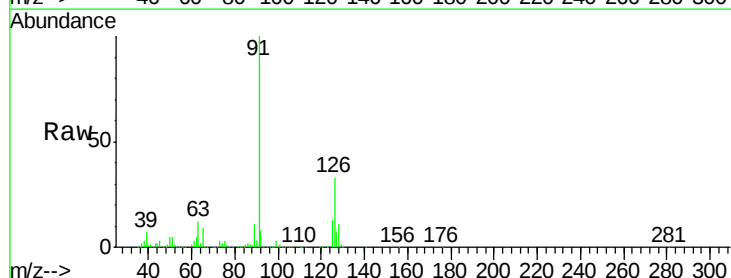
Acq: 23 Feb 2018 14:43

Tgt Ion: 91 Resp: 360091

Ion Ratio Lower Upper

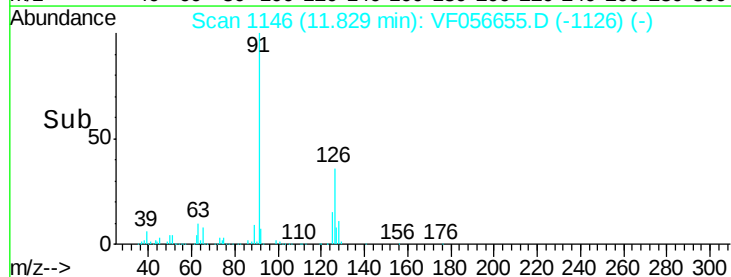
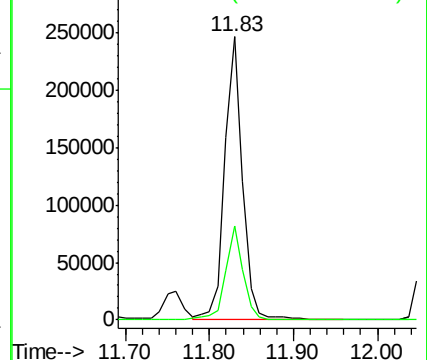
91 100

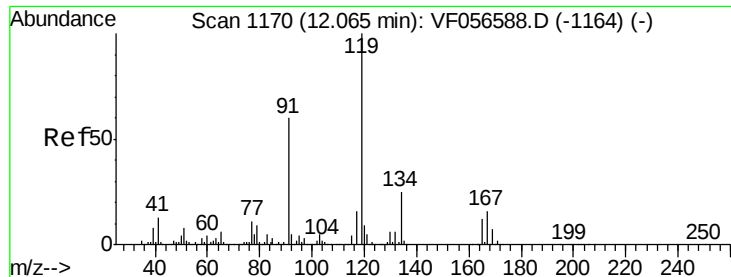
126 33.1 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 20.26 ug/l

RT: 12.07 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

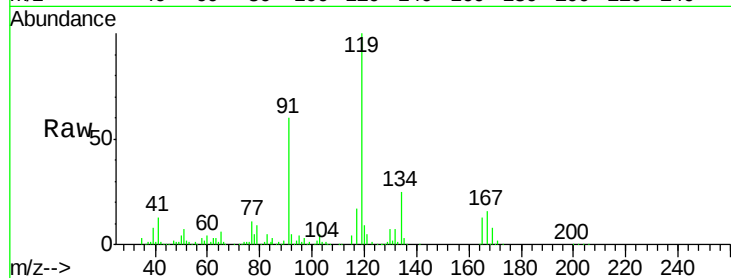
Tgt Ion:119 Resp: 372606

Ion Ratio Lower Upper

119 100

91 60.5 29.8 89.4

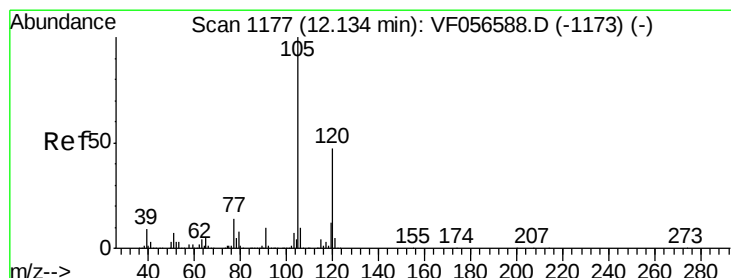
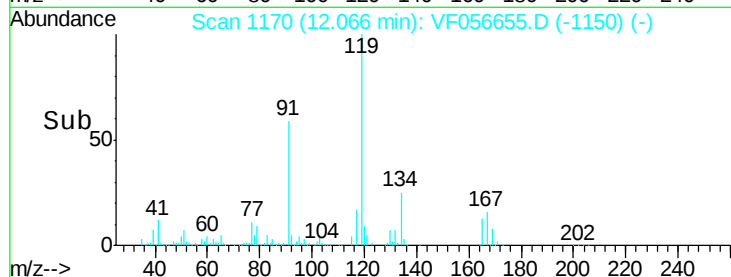
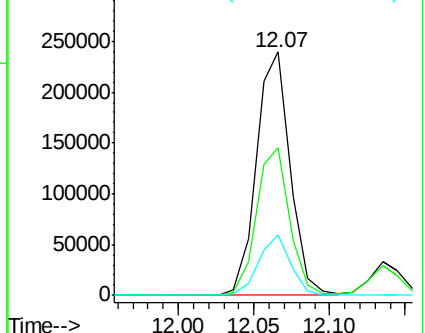
134 24.9 12.4 37.4



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: 19.95 ug/l

RT: 12.14 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VF056655.D

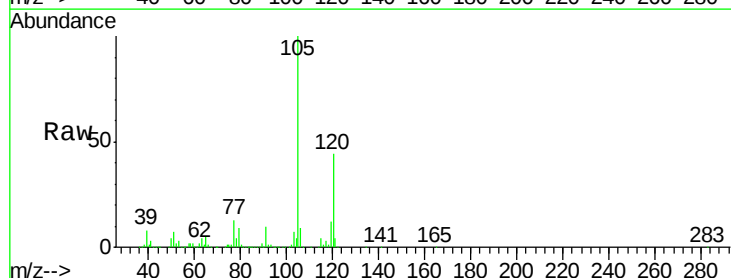
Acq: 23 Feb 2018 14:43

Tgt Ion:105 Resp: 395165

Ion Ratio Lower Upper

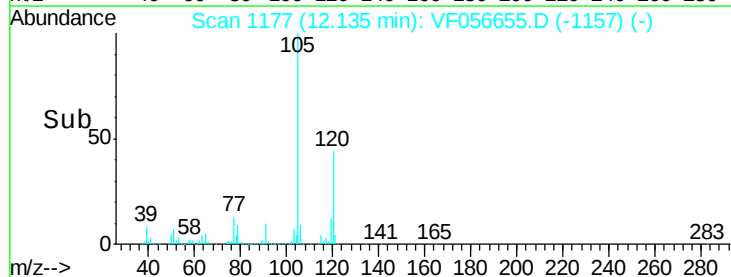
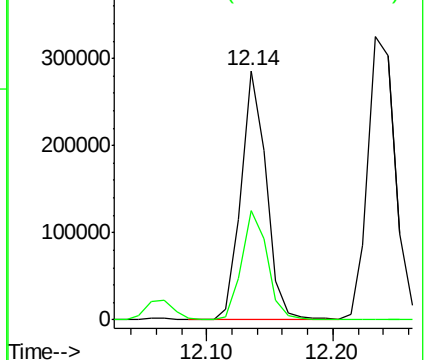
105 100

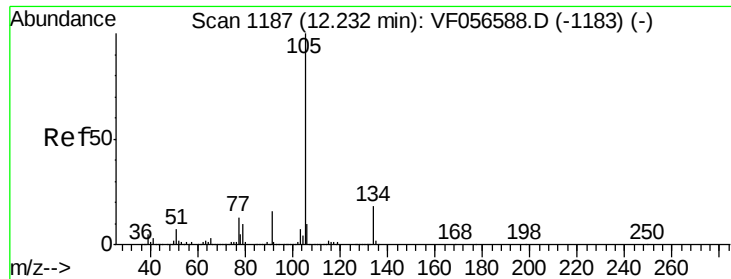
120 43.6 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

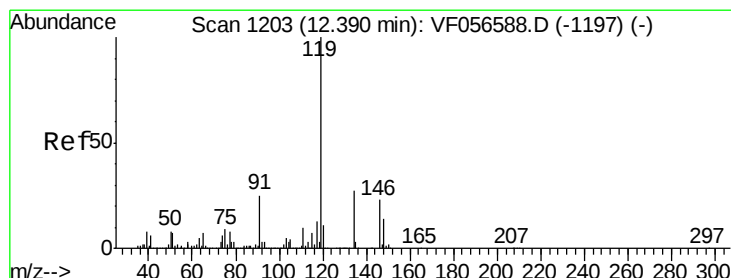
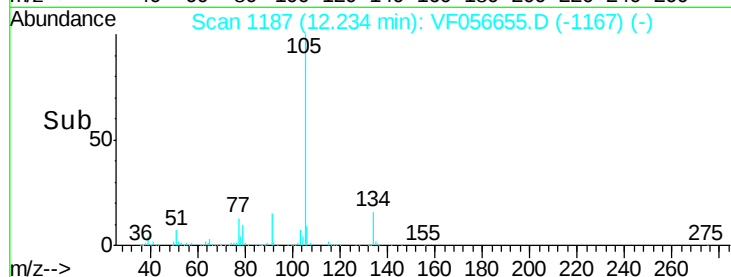
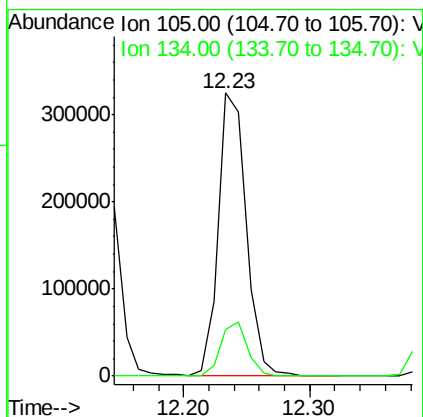
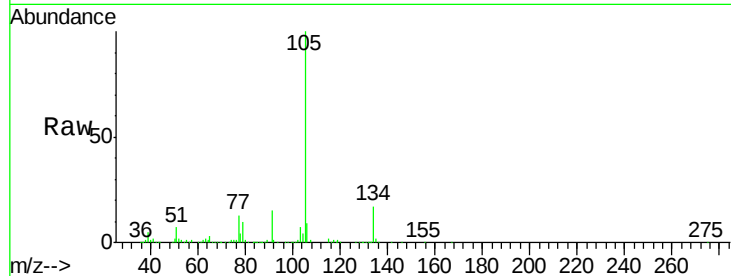




#85
 sec-Butylbenzene
 Concen: 19.71 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

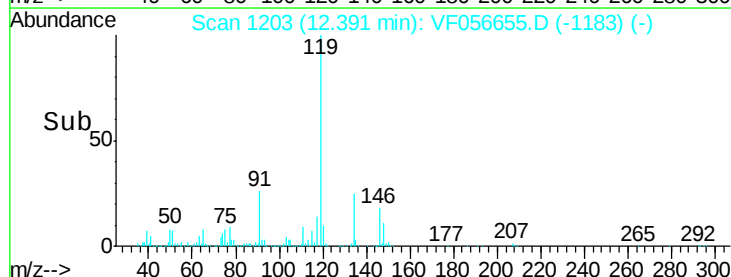
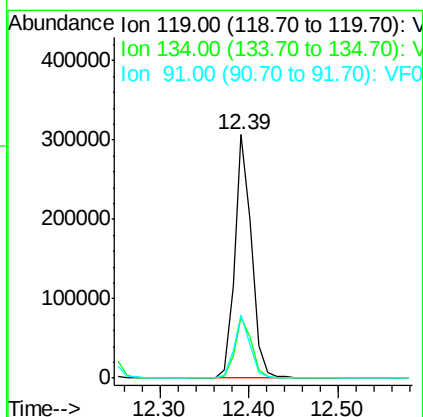
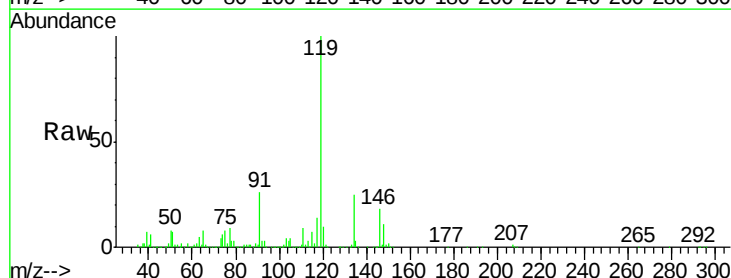
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBSD01

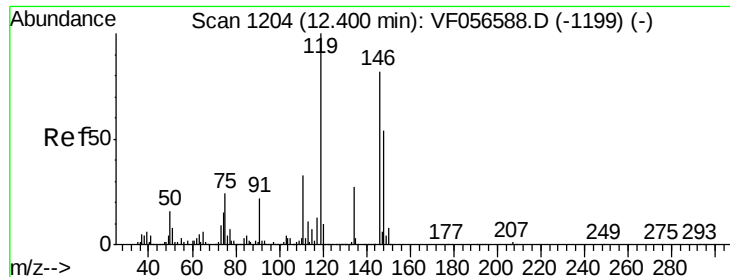
Tgt Ion:105 Resp: 499224
 Ion Ratio Lower Upper
 105 100
 134 16.5 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 20.06 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion:119 Resp: 407836
 Ion Ratio Lower Upper
 119 100
 134 24.9 13.4 40.2
 91 25.8 12.7 38.0

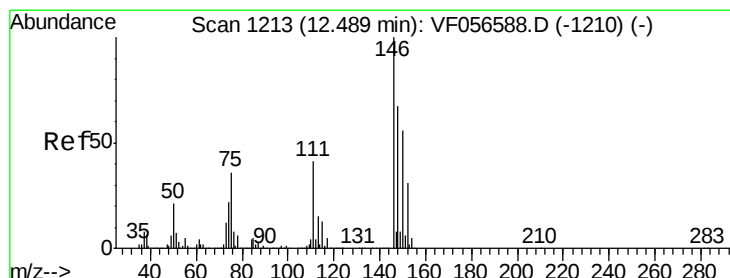
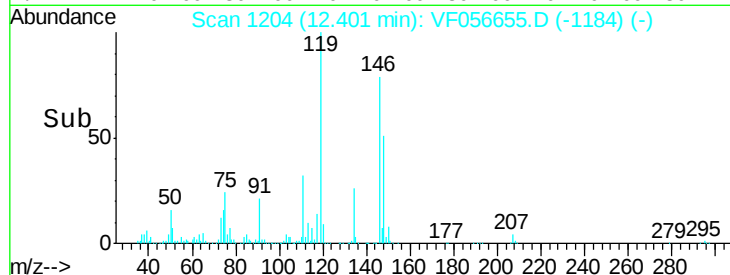
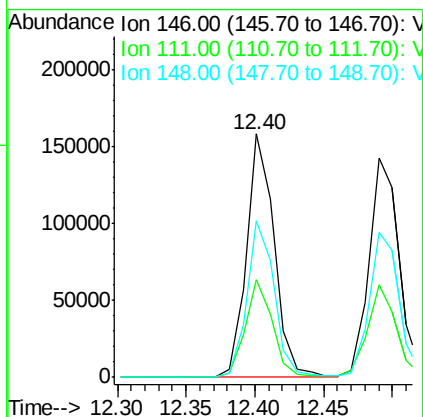
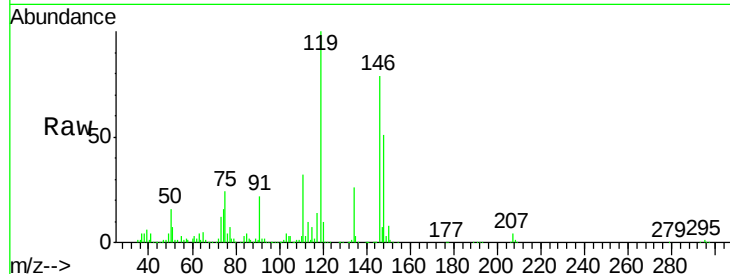




#87
 1,3-Dichlorobenzene
 Concen: 19.55 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

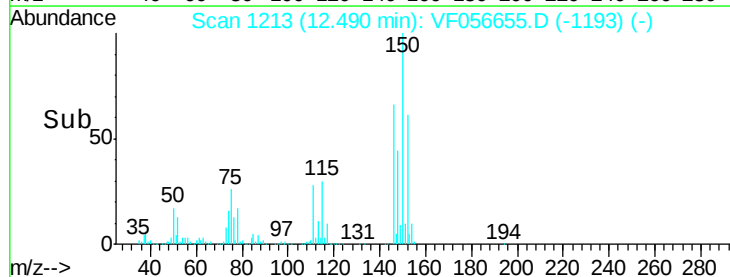
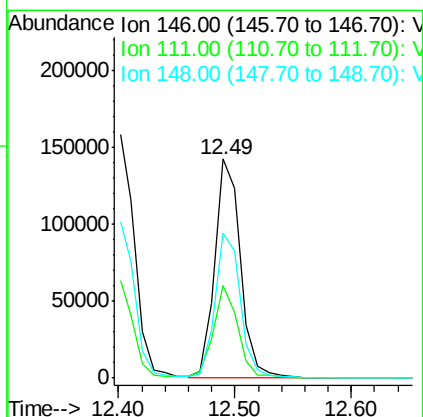
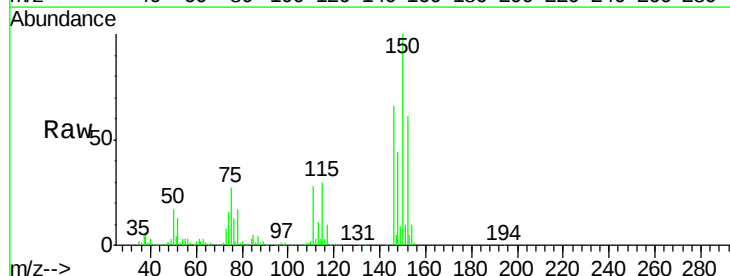
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

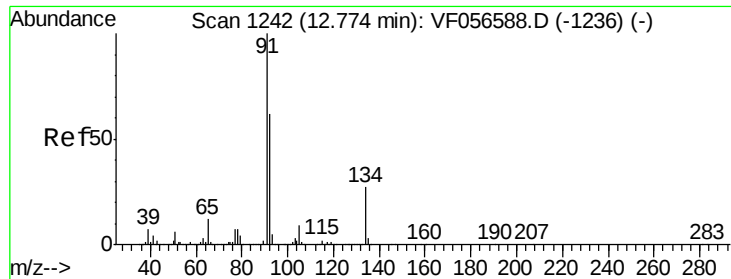
Tgt Ion:146 Resp: 223634
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 60.0
 148 64.4 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 19.79 ug/l
 RT: 12.49 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion:146 Resp: 217288
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.6 61.9
 148 66.4 33.4 100.2

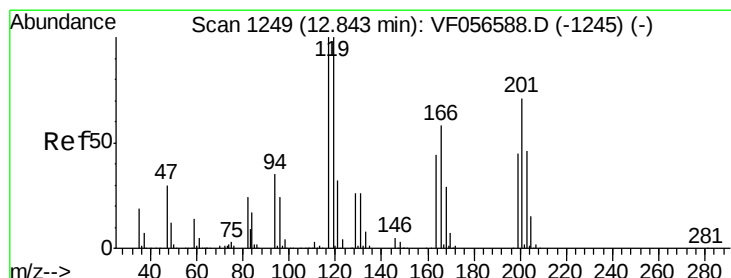
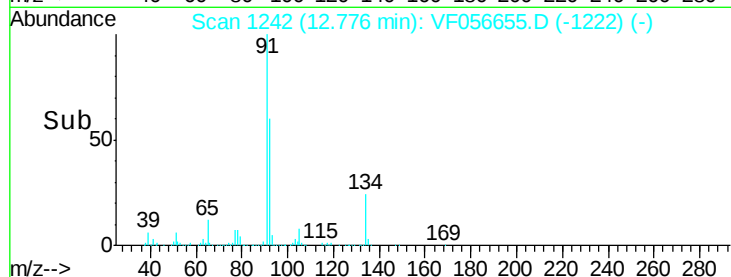
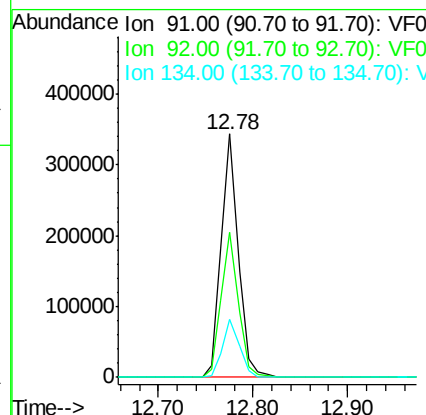
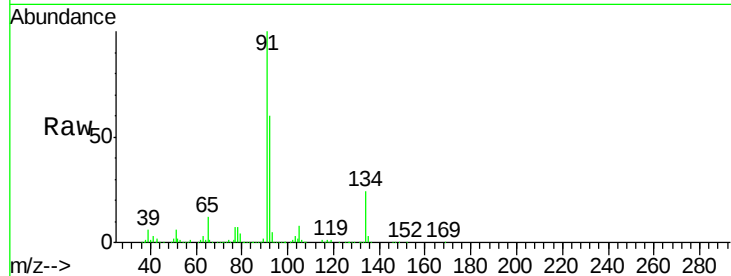




#89
n-Butylbenzene
Concen: 18.55 ug/l
RT: 12.78 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

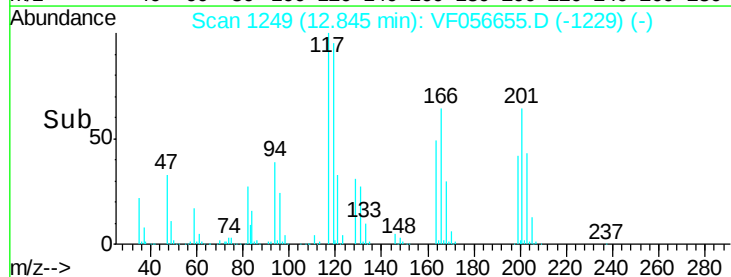
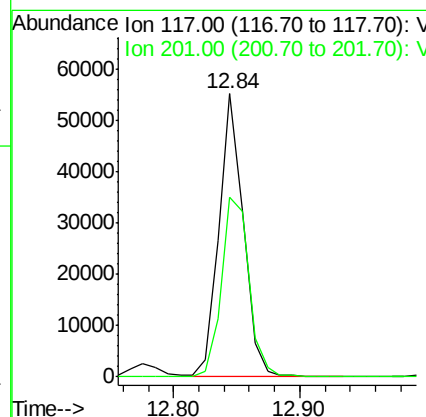
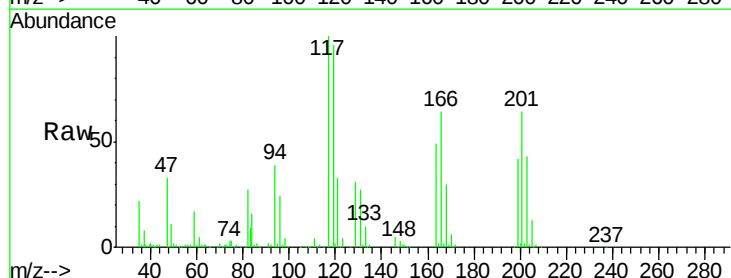
Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

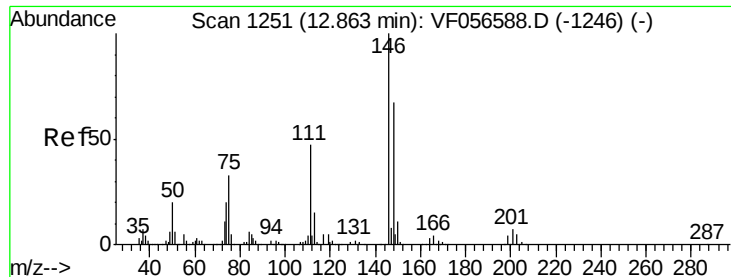
Tgt Ion: 91 Resp: 433533
Ion Ratio Lower Upper
91 100
92 59.5 30.9 92.7
134 23.8 13.7 41.0



#90
Hexachloroethane
Concen: 19.09 ug/l
RT: 12.84 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion: 117 Resp: 74621
Ion Ratio Lower Upper
117 100
201 63.5 35.4 106.2





#91

1,2-Dichlorobenzene

Concen: 19.75 ug/l

RT: 12.86 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

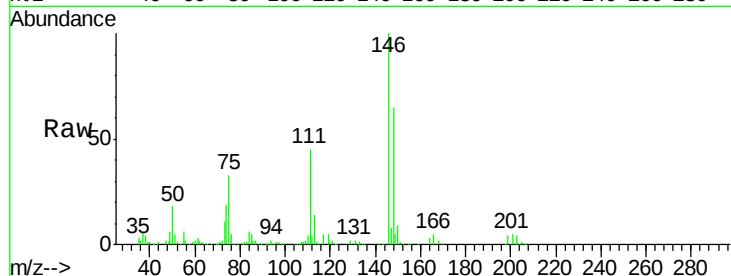
Tgt Ion:146 Resp: 216711

Ion Ratio Lower Upper

146 100

111 44.7 23.4 70.3

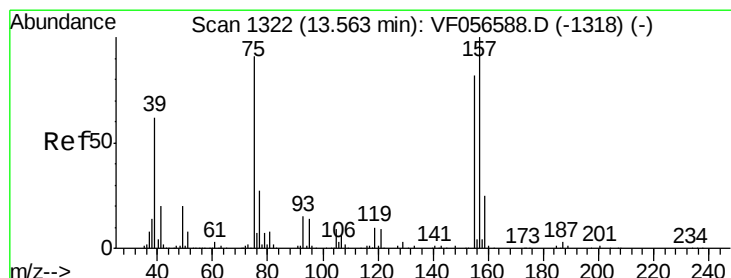
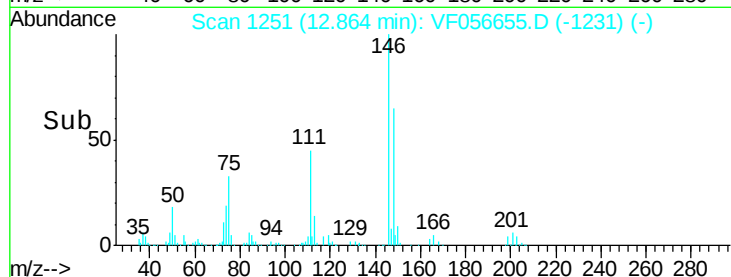
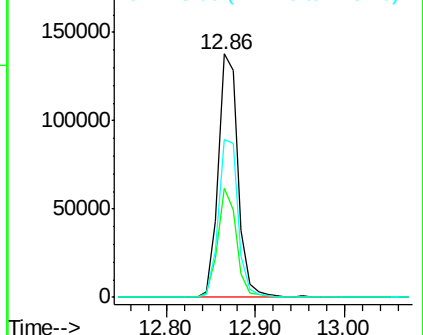
148 64.9 33.6 100.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.29 ug/l

RT: 13.56 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

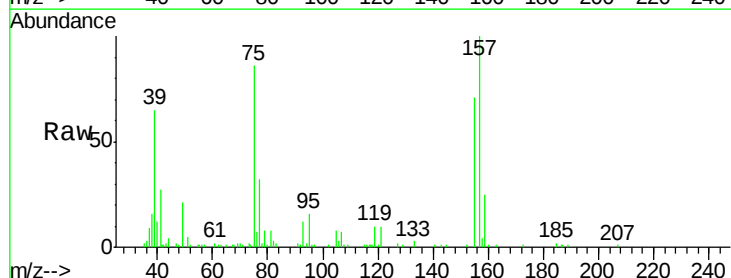
Tgt Ion: 75 Resp: 23631

Ion Ratio Lower Upper

75 100

155 82.0 45.1 135.3

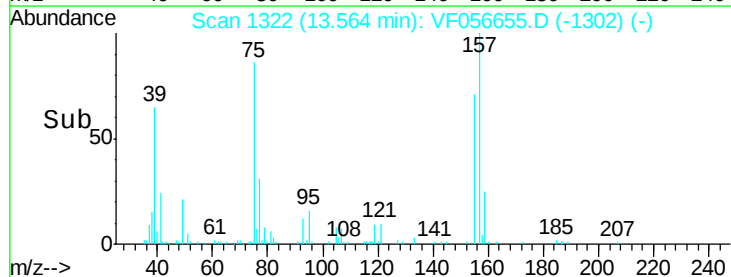
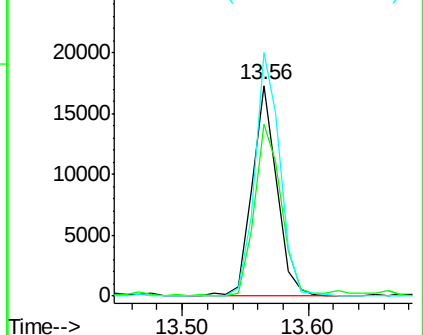
157 115.6 54.9 164.8

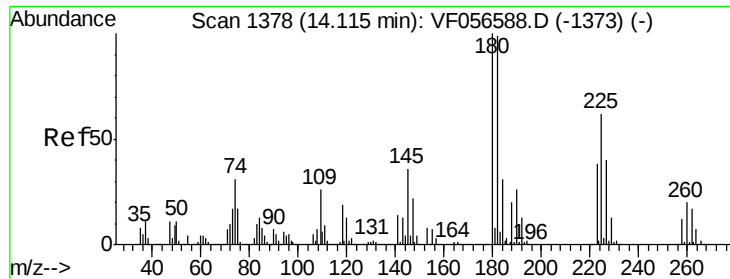


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

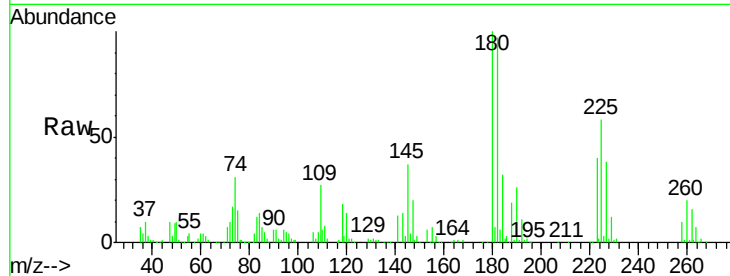




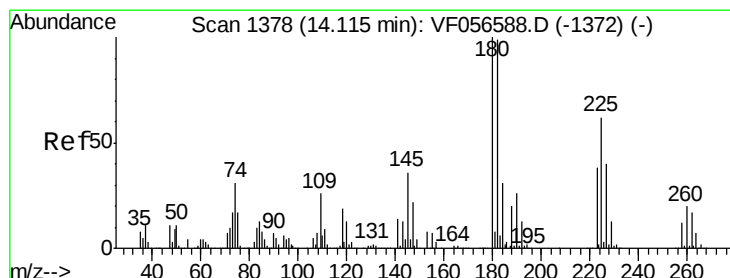
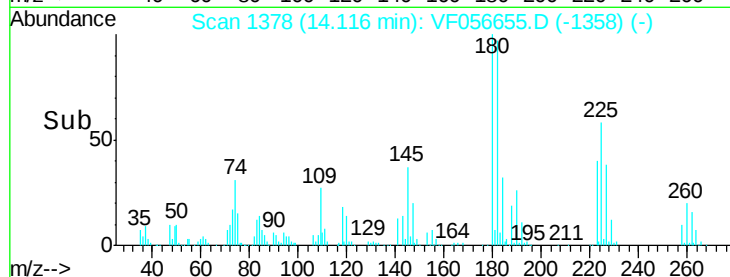
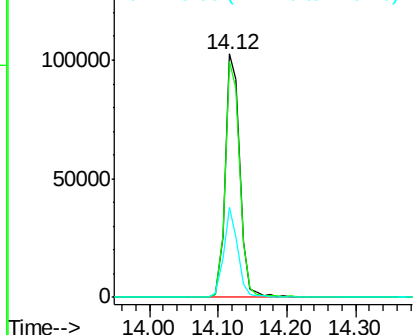
#93
 1,2,4-Trichlorobenzene
 Concen: 20.25 ug/l
 RT: 14.12 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Tgt Ion:180 Resp: 150806
 Ion Ratio Lower Upper
 180 100
 182 96.8 49.5 148.5
 145 36.8 17.8 53.5

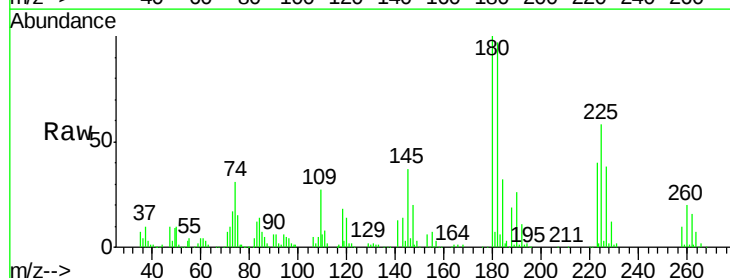


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

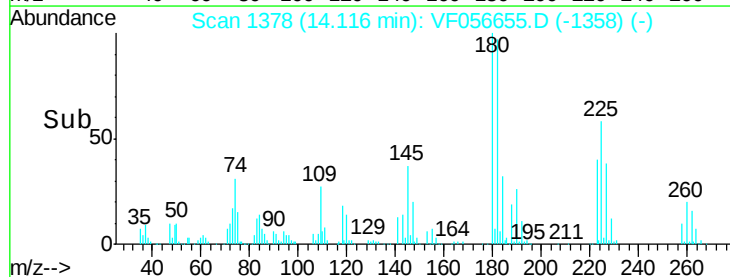
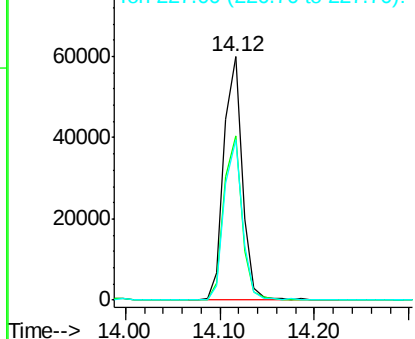


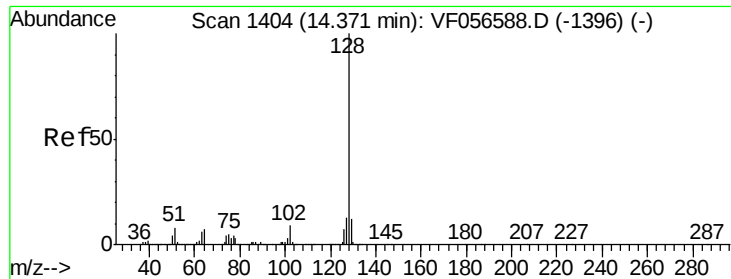
#94
 Hexachlorobutadiene
 Concen: 19.02 ug/l
 RT: 14.12 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion:225 Resp: 80805
 Ion Ratio Lower Upper
 225 100
 223 67.7 31.1 93.3
 227 68.7 32.1 96.3



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

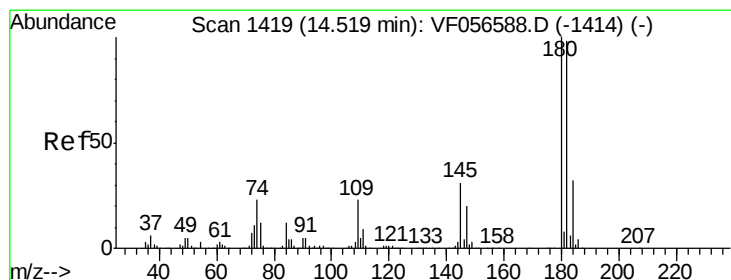
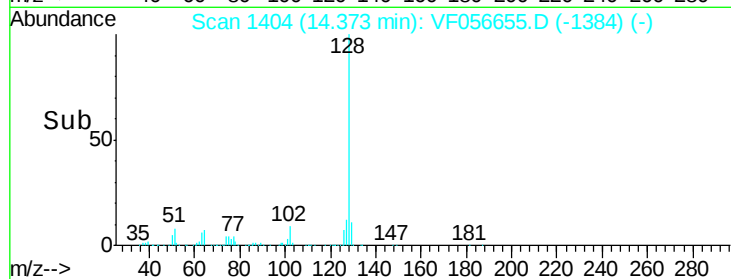
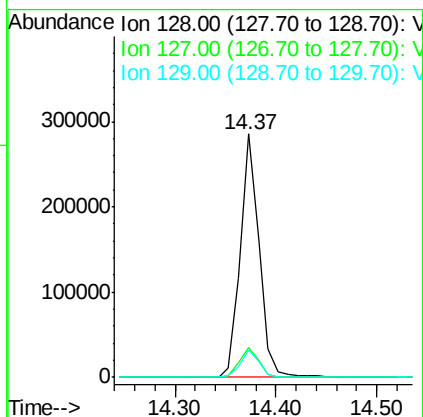
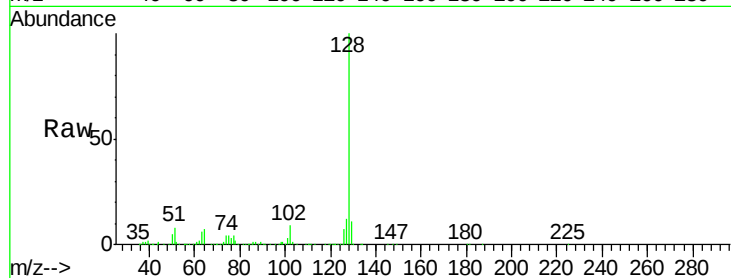




#95
Naphthalene
Concen: 19.69 ug/l
RT: 14.37 min Scan# 1404
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion:128 Resp: 368982
Ion Ratio Lower Upper
128 100
127 12.1 10.3 15.5
129 11.2 9.4 14.0



#96
1,2,3-Trichlorobenzene
Concen: 19.38 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion:180 Resp: 139487
Ion Ratio Lower Upper
180 100
182 99.7 49.0 147.2
145 30.7 15.4 46.1

