

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF060618\
 Data File : VF058113.D
 Acq On : 6 Jun 2018 18:09
 Operator : JC/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Jun 07 05:59:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 05:56:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	344288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	551590	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	551865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	303723	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	295846	69.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.26%	
35) Dibromofluoromethane	4.29	113	269585	65.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.80%	
50) Toluene-d8	7.71	98	846892	69.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.70%	
62) 4-Bromofluorobenzene	11.51	95	398155	65.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	272209	65.47	ug/l	99
3) Chloromethane	1.09	50	206461	62.67	ug/l	99
4) Vinyl Chloride	1.15	62	192340	69.94	ug/l	100
5) Bromomethane	1.34	94	107253	68.87	ug/l	97
6) Chloroethane	1.43	64	84604	72.22	ug/l	89
7) Trichlorofluoromethane	1.49	101	107621	25.76	ug/l	96
8) Diethyl Ether	1.70	74	72951	71.71	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	184811	71.78	ug/l	95
10) Methyl Iodide	1.97	142	213450	46.63	ug/l	95
11) Tert butyl alcohol	2.68	59	80771	330.11	ug/l	97
12) 1,1-Dichloroethene	1.85	96	164830	73.57	ug/l	90
13) Acrolein	2.09	56	68127	428.03	ug/l	94
14) Allyl chloride	2.19	41	313391	73.17	ug/l	98
15) Acrylonitrile	3.07	53	187189	330.94	ug/l	97
16) Acetone	2.33	43	330869	353.13	ug/l	93
17) Carbon Disulfide	1.84	76	467011	72.64	ug/l	99
18) Methyl Acetate	2.53	43	149916	85.80	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	470207	67.02	ug/l	98
20) Methylene Chloride	2.27	84	108609	47.35	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	170211	70.38	ug/l	97
22) Diisopropyl ether	2.91	45	610880	72.86	ug/l	97
23) Vinyl Acetate	3.33	43	1910975	311.08	ug/l	99
24) 1,1-Dichloroethane	2.99	63	364425	70.17	ug/l	99
25) 2-Butanone	4.50	43	467858	307.82	ug/l	99
26) 2,2-Dichloropropane	3.75	77	255225	69.53	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	265072	65.91	ug/l	95
28) Bromochloromethane	3.88	49	147571	64.32	ug/l	# 90
29) Tetrahydrofuran	4.25	42	201296	286.92	ug/l	98
30) Chloroform	4.04	83	512017	65.72	ug/l	96
31) Cyclohexane	3.87	56	313310	64.10	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	379435	68.61	ug/l	97
36) 1,1-Dichloropropene	4.46	75	385052	69.02	ug/l	97
37) Ethyl Acetate	4.29	43	202104	61.44	ug/l	91
38) Carbon Tetrachloride	4.17	117	456501	77.02	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	379148	65.77	ug/l	98
40) Benzene	4.81	78	851203	65.17	ug/l	97
41) Methacrylonitrile	4.92	41	105792	63.51	ug/l	98
42) 1,2-Dichloroethane	5.11	62	370149	66.00	ug/l	100
43) Isopropyl Acetate	7.10	43	283249	63.51	ug/l	99
44) Trichloroethene	5.67	130	256842	63.14	ug/l	94
45) 1,2-Dichloropropane	6.39	63	242433	63.85	ug/l	99
46) Dibromomethane	6.25	93	181059	63.17	ug/l	95
47) Bromodichloromethane	6.54	83	423528	66.97	ug/l	98
48) Methyl methacrylate	6.87	41	189149	67.10	ug/l	97
49) 1,4-Dioxane	6.87	88	27461	1411.74	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	933408	301.50	ug/l	99
52) Toluene	7.77	92	616066	66.43	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	388452	64.29	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	474123	68.30	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	216495	64.21	ug/l	92
56) Ethyl methacrylate	8.76	69	280037	65.67	ug/l	98
57) 1,3-Dichloropropane	9.00	76	377299	64.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	98436	333.92	ug/l	100
59) 2-Hexanone	9.63	43	746426	307.90	ug/l	98
60) Dibromochloromethane	8.86	129	324273	67.64	ug/l	99
61) 1,2-Dibromoethane	9.13	107	258462	64.25	ug/l	97
64) Tetrachloroethene	8.31	164	263188	63.18	ug/l	94
65) Chlorobenzene	9.94	112	752951	67.34	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	279272	63.90	ug/l	98
67) Ethyl Benzene	10.04	91	1227504	62.46	ug/l	99
68) m/p-Xylenes	10.27	106	903324	123.98	ug/l	97
69) o-Xylene	10.83	106	525961	66.28	ug/l	97
70) Styrene	10.90	104	762478	64.08	ug/l	99
71) Bromoform	10.89	173	192819	64.15	ug/l	# 95
73) Isopropylbenzene	11.22	105	1425326	66.08	ug/l	99
74) N-amyl acetate	11.46	43	491547	61.11	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	322284	62.38	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	231564	61.42	ug/l	97
77) Bromobenzene	11.60	156	348352	64.81	ug/l	84
78) n-propylbenzene	11.69	91	1663520	64.55	ug/l	98
79) 2-Chlorotoluene	11.82	91	968613	63.62	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	1181252	66.06	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	153405	64.25	ug/l	98
82) 4-Chlorotoluene	11.99	91	1057718	65.88	ug/l	97
83) tert-Butylbenzene	12.21	119	1193518	66.74	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	1208152	65.13	ug/l	99
85) sec-Butylbenzene	12.39	105	1570427	64.83	ug/l	99
86) p-Isopropyltoluene	12.54	119	1267727	62.78	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	613293	61.90	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	646597	67.97	ug/l	99
89) n-Butylbenzene	12.92	91	1323094	62.86	ug/l	98
90) Hexachloroethane	13.00	117	335582	68.90	ug/l	67
91) 1,2-Dichlorobenzene	13.02	146	623113	64.78	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	64450	65.40	ug/l	97

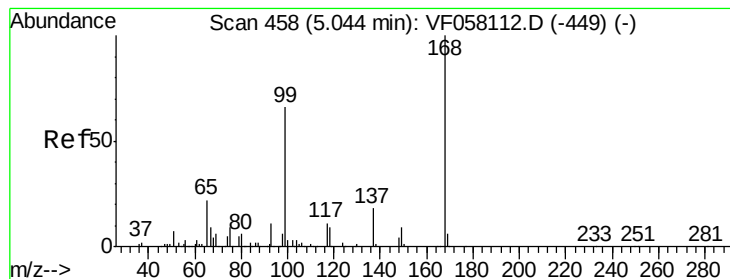
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF060618\
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	443448	65.73	ug/l	98
94) Hexachlorobutadiene	14.25	225	268438	68.92	ug/l	96
95) Naphthalene	14.52	128	939251	65.22	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	413212	65.01	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

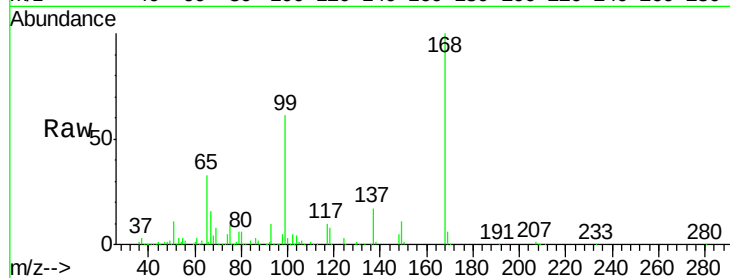
VSTDIC075

Tgt Ion:168 Resp: 344288

Ion Ratio Lower Upper

168 100

99 61.0 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

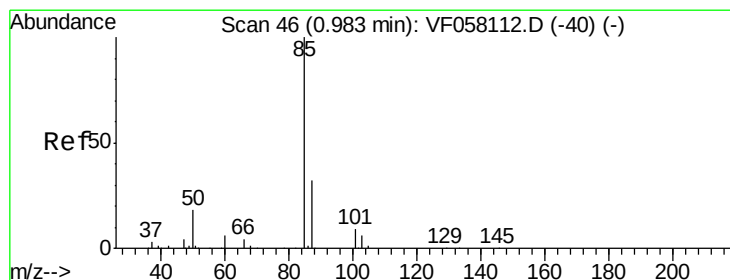
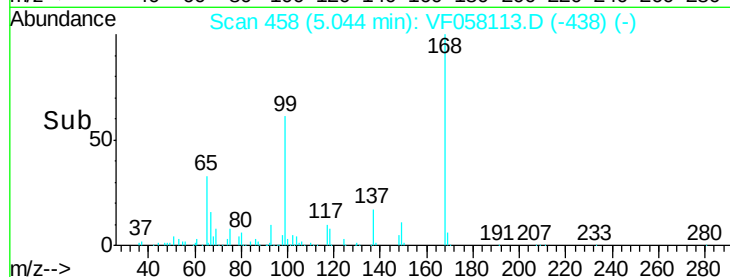
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 65.47 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF058113.D

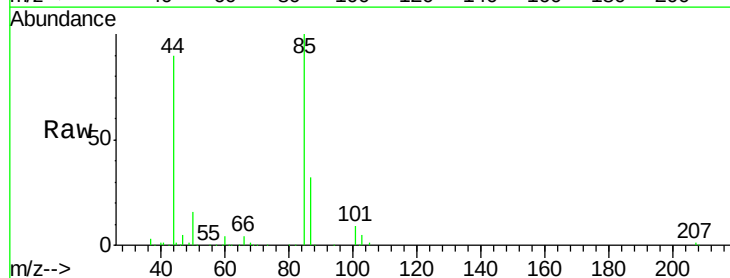
Acq: 6 Jun 2018 18:09

Tgt Ion: 85 Resp: 272209

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

80000

60000

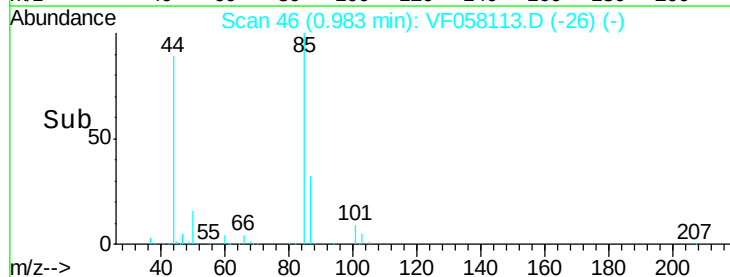
40000

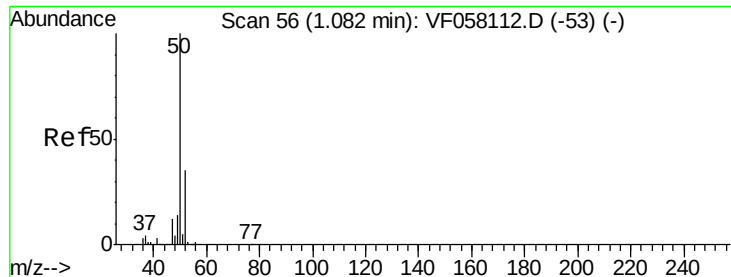
20000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 62.67 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

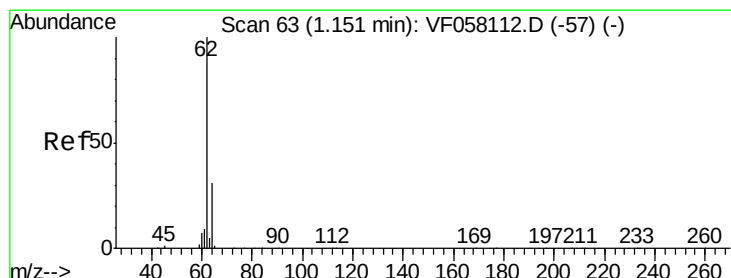
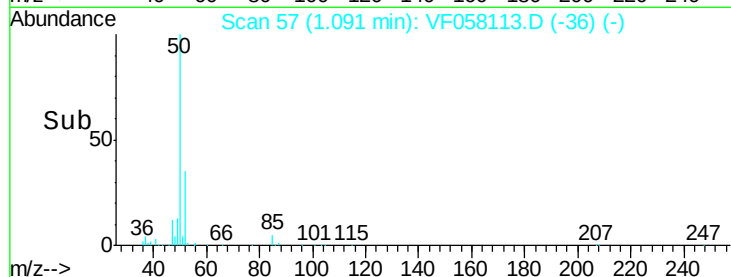
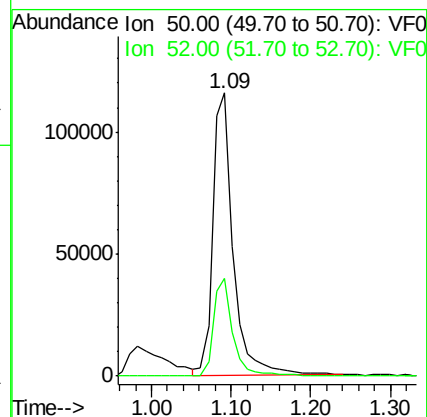
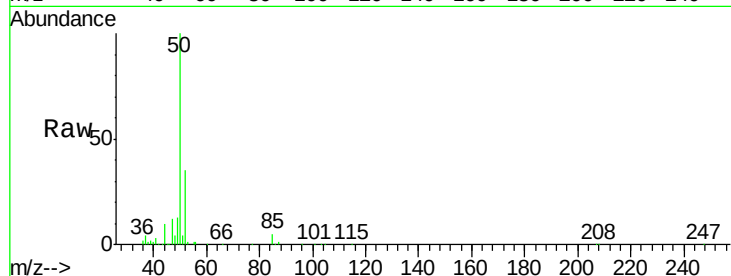
VSTDIC075

Tgt Ion: 50 Resp: 206461

Ion Ratio Lower Upper

50 100

52 34.7 27.3 40.9



#4

Vinyl Chloride

Concen: 69.94 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF058113.D

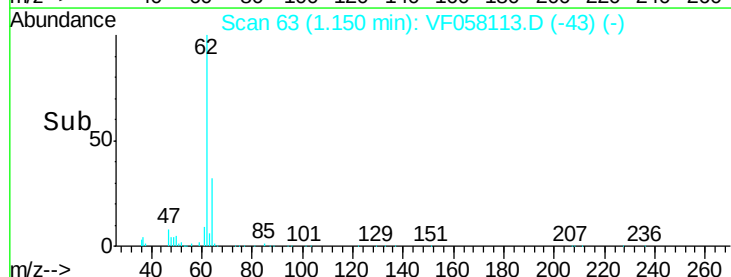
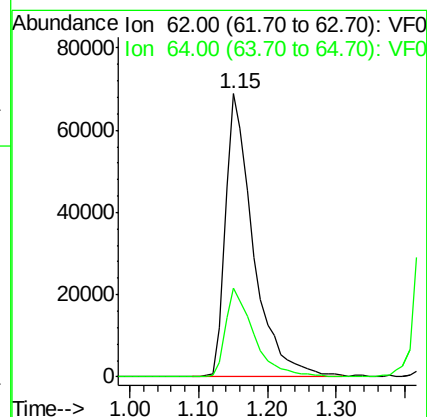
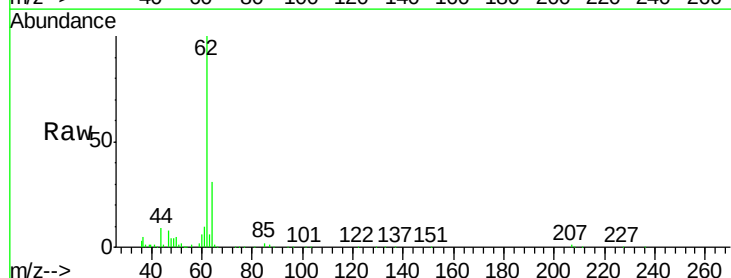
Acq: 6 Jun 2018 18:09

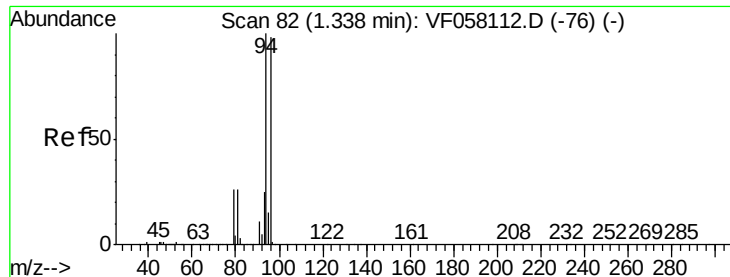
Tgt Ion: 62 Resp: 192340

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6





#5

Bromomethane

Concen: 68.87 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

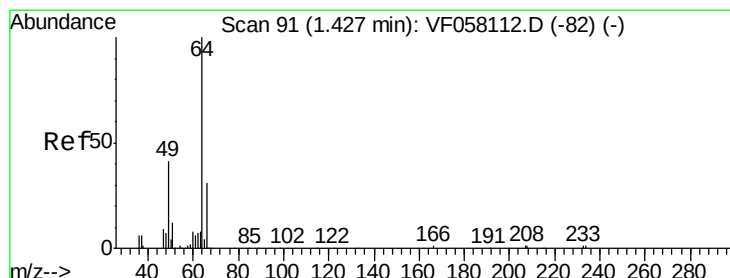
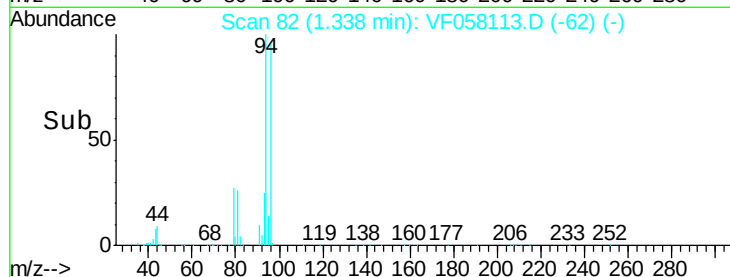
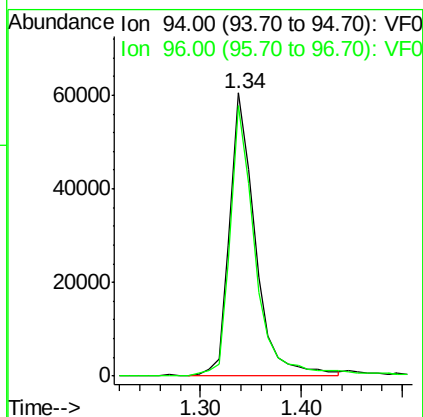
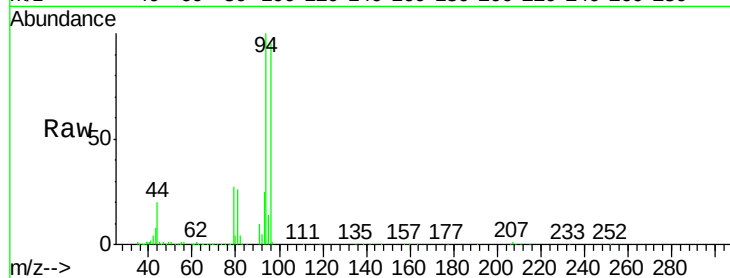
VSTDIC075

Tgt Ion: 94 Resp: 107253

Ion Ratio Lower Upper

94 100

96 95.5 78.6 117.8



#6

Chloroethane

Concen: 72.22 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF058113.D

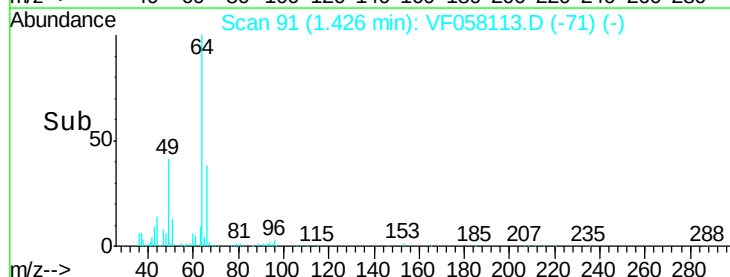
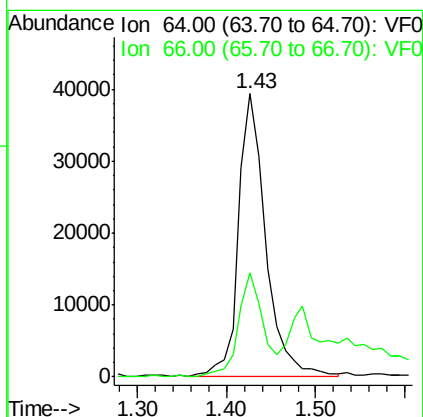
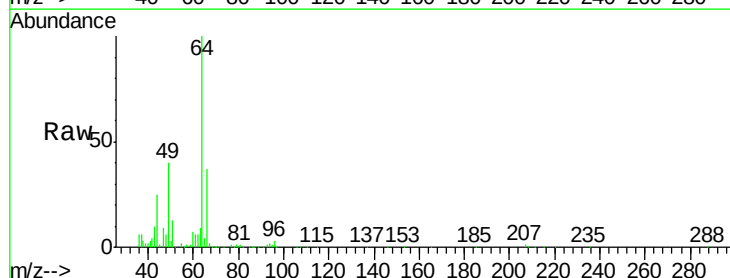
Acq: 6 Jun 2018 18:09

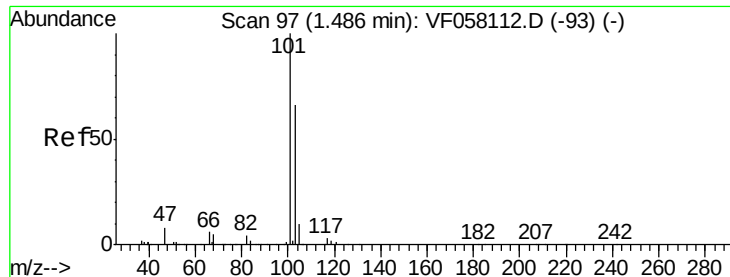
Tgt Ion: 64 Resp: 84604

Ion Ratio Lower Upper

64 100

66 37.0 24.9 37.3





#7

Trichlorofluoromethane

Concen: 25.76 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

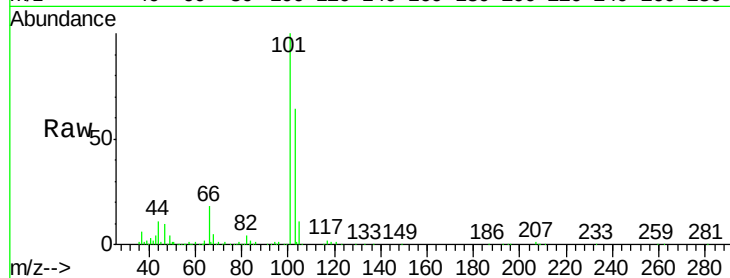
VSTDIC075

Tgt Ion: 101 Resp: 107621

Ion Ratio Lower Upper

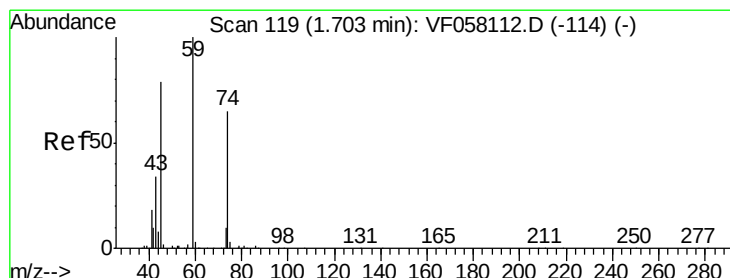
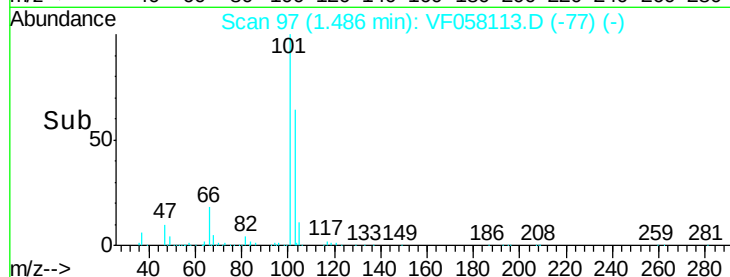
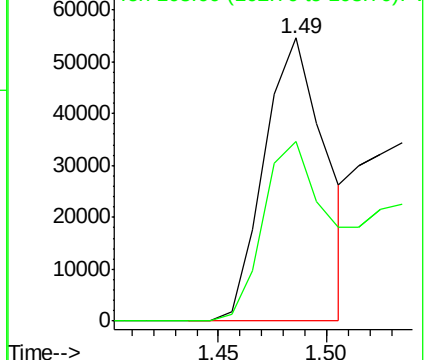
101 100

103 63.7 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 71.71 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF058113.D

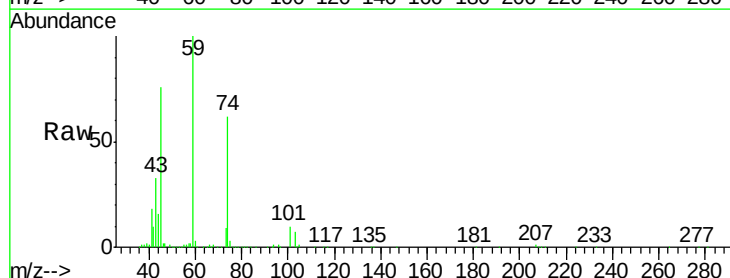
Acq: 6 Jun 2018 18:09

Tgt Ion: 74 Resp: 72951

Ion Ratio Lower Upper

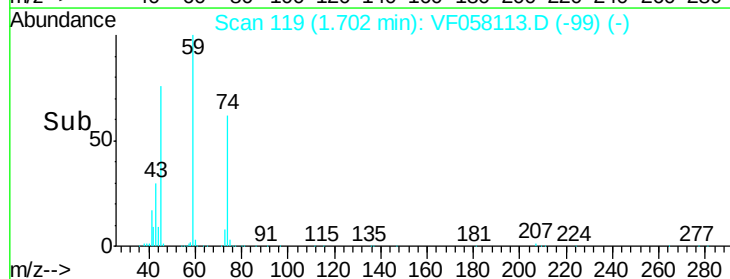
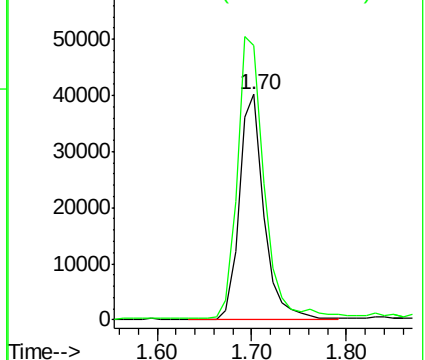
74 100

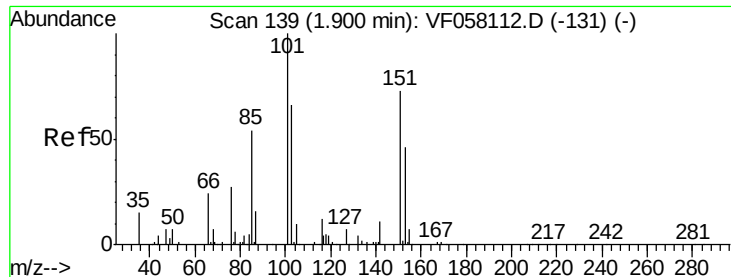
45 121.4 61.5 184.4



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: 71.78 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

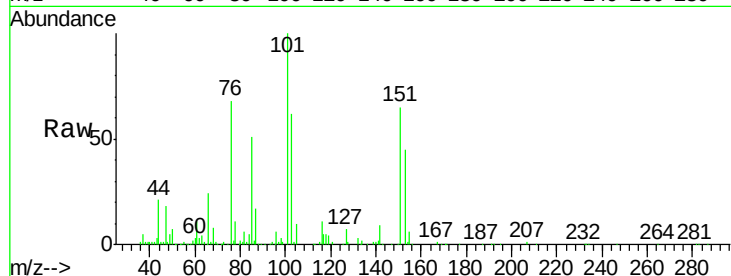
Tgt Ion:101 Resp: 184811

Ion Ratio Lower Upper

101 100

85 50.7 42.2 63.4

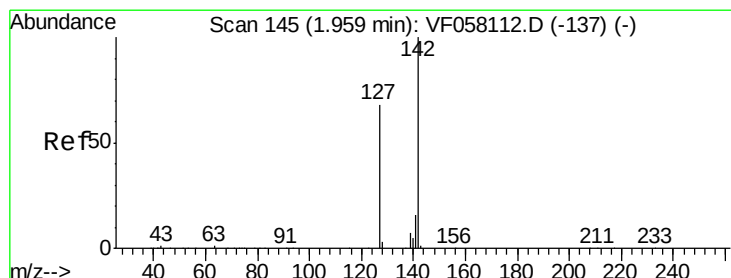
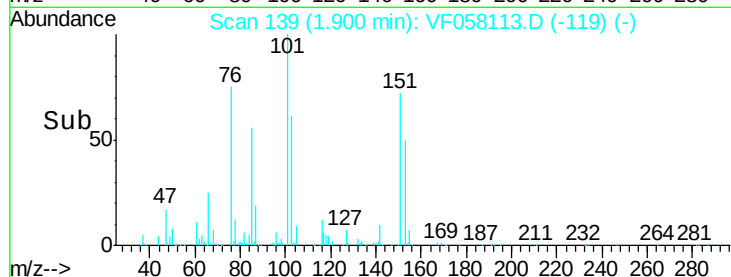
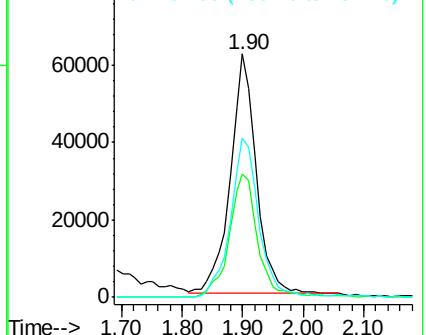
151 65.1 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 46.63 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.01 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

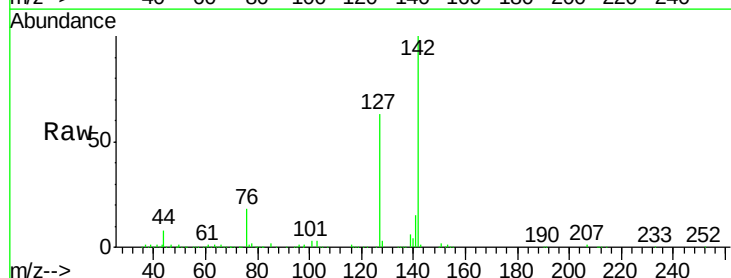
Tgt Ion:142 Resp: 213450

Ion Ratio Lower Upper

142 100

127 63.3 54.1 81.1

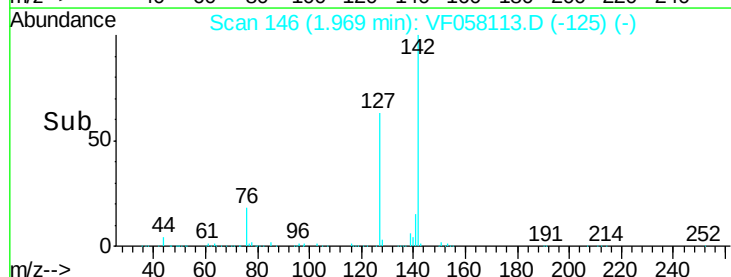
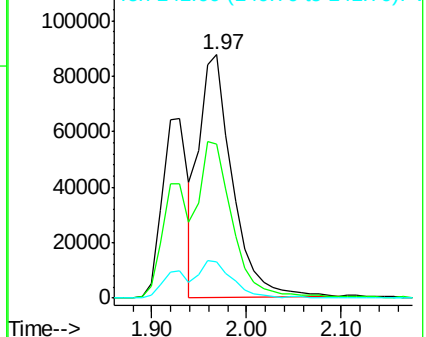
141 14.8 13.0 19.4

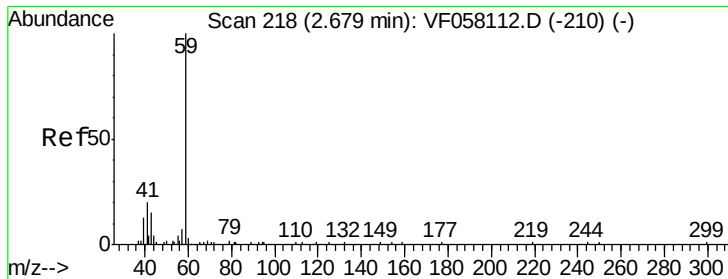


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



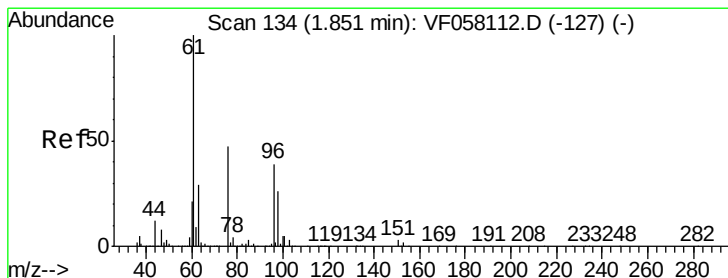
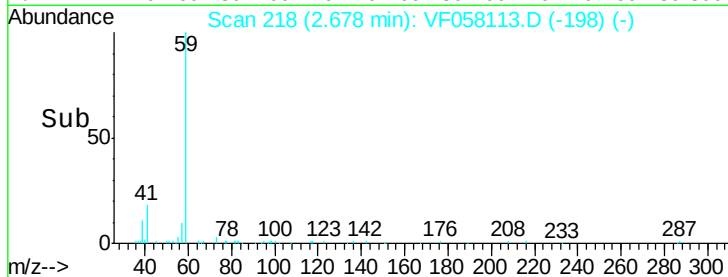
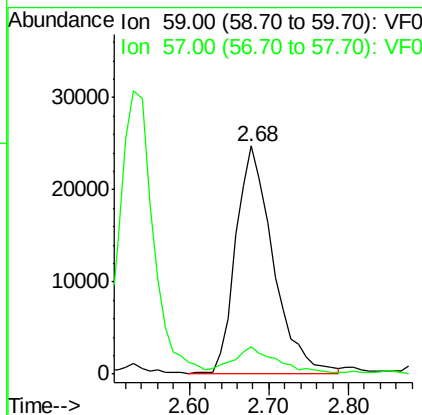
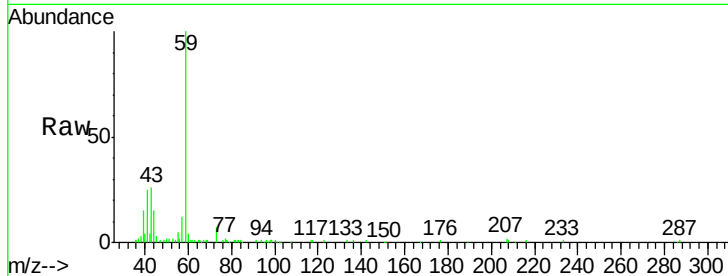


#11

Tert butyl alcohol
Concen: 330.11 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

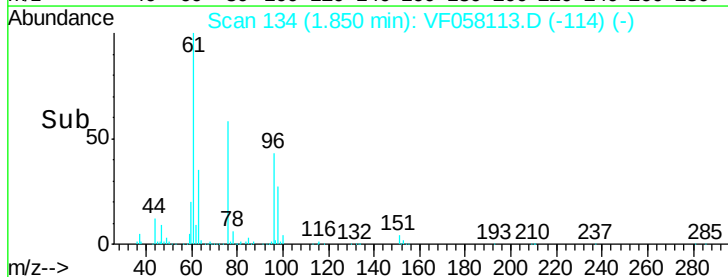
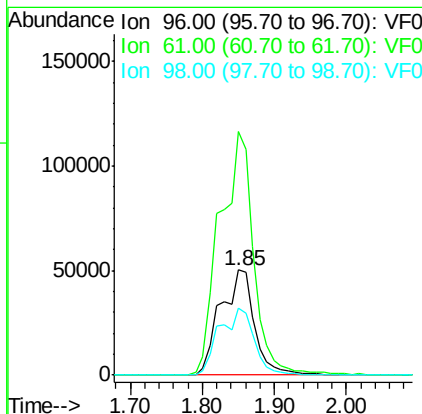
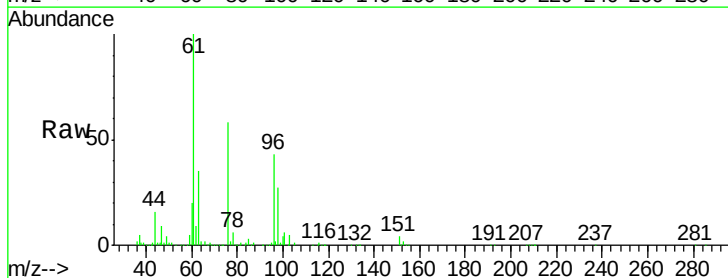
Tgt Ion: 59 Resp: 80771
Ion Ratio Lower Upper
59 100
57 12.0 8.7 13.1

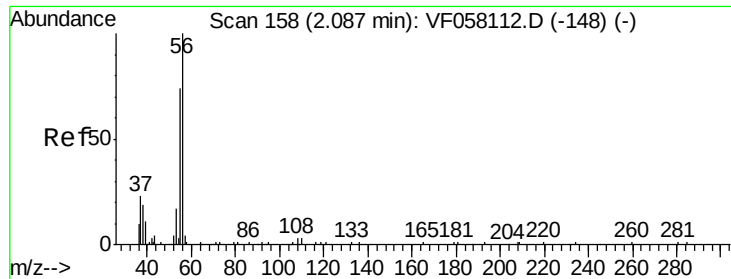


#12

1,1-Dichloroethene
Concen: 73.57 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

Tgt Ion: 96 Resp: 164830
Ion Ratio Lower Upper
96 100
61 231.9 203.0 304.4
98 63.8 52.7 79.1





#13

Acrolein

Concen: 428.03 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

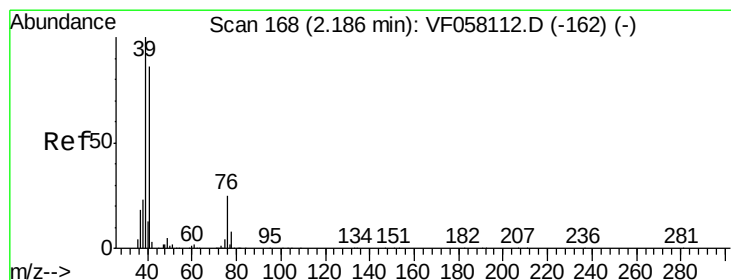
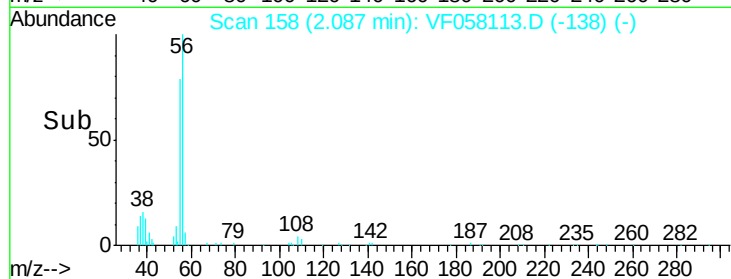
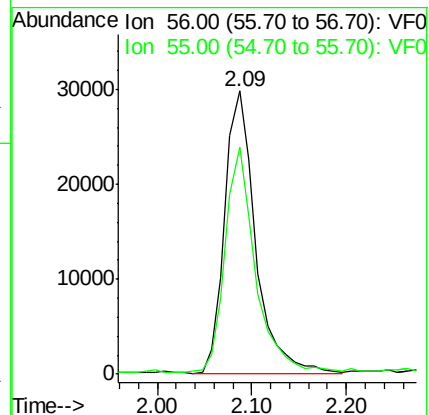
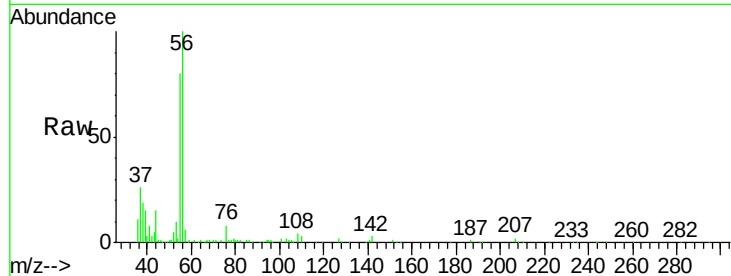
VSTDIC075

Tgt Ion: 56 Resp: 68127

Ion Ratio Lower Upper

56 100

55 80.0 60.0 90.0



#14

Allyl chloride

Concen: 73.17 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

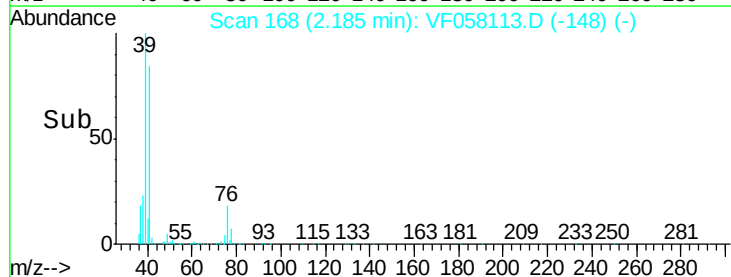
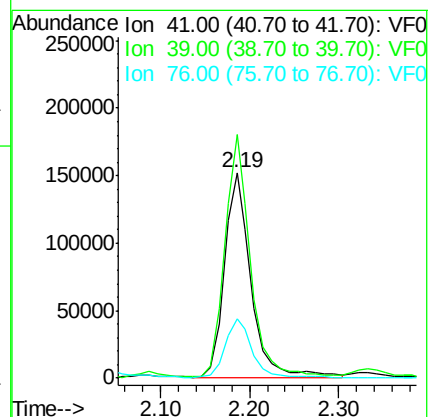
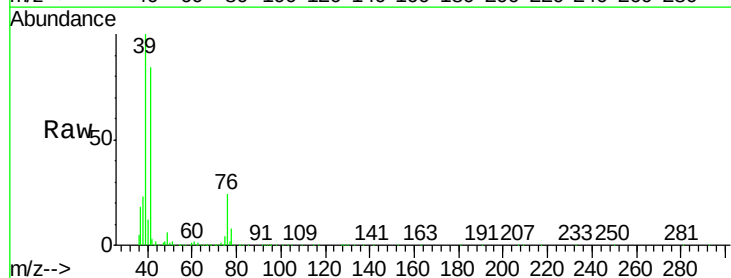
Tgt Ion: 41 Resp: 313391

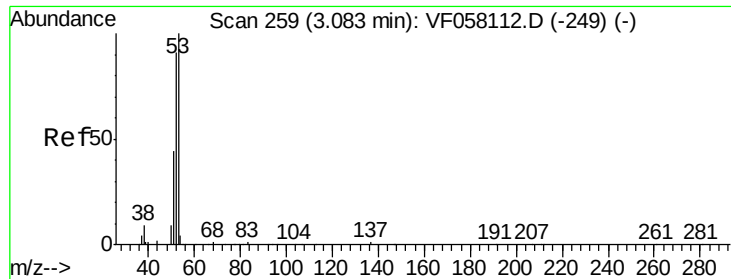
Ion Ratio Lower Upper

41 100

39 118.6 93.5 140.3

76 29.0 23.9 35.9





#15

Acrylonitrile

Concen: 330.94 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

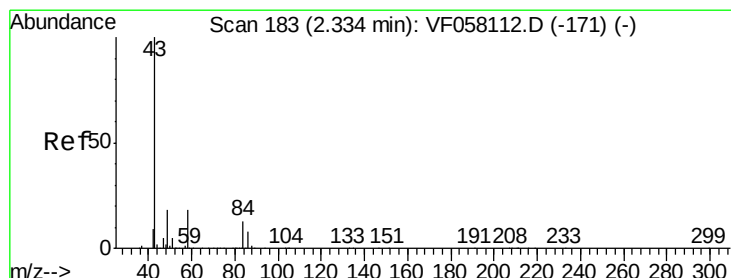
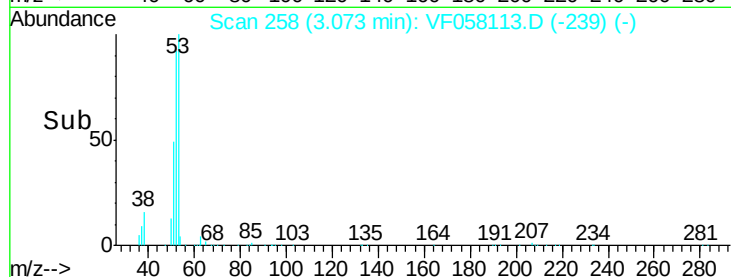
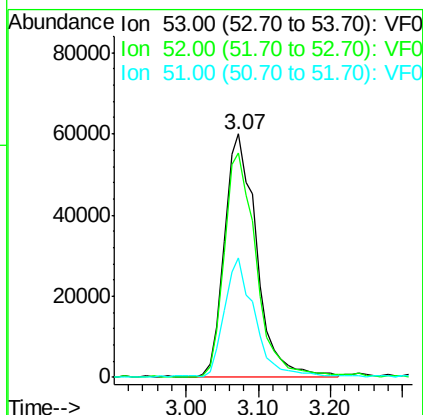
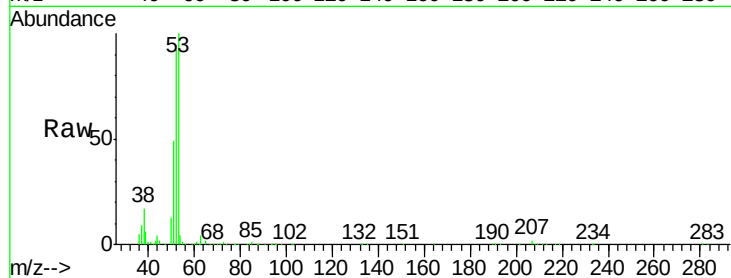
Tgt Ion: 53 Resp: 187189

Ion Ratio Lower Upper

53 100

52 91.9 73.2 109.8

51 49.3 35.6 53.4



#16

Acetone

Concen: 353.13 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF058113.D

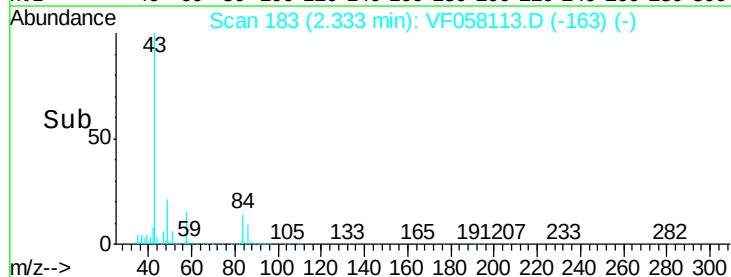
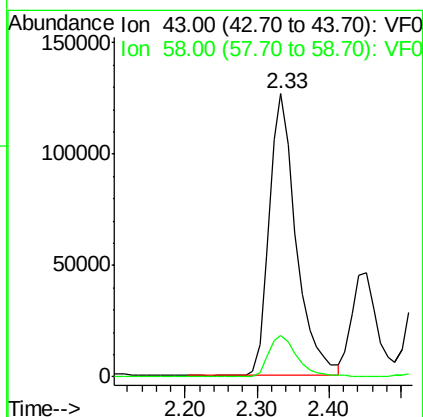
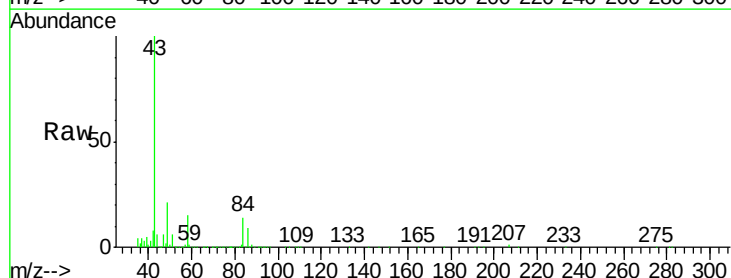
Acq: 6 Jun 2018 18:09

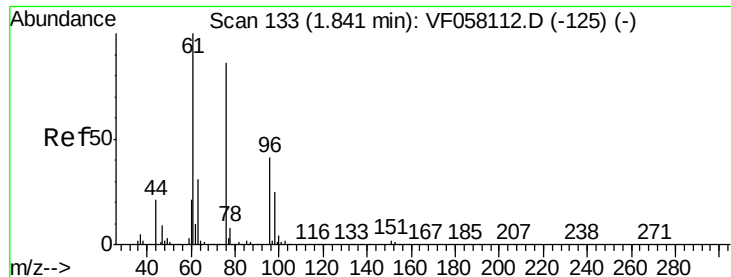
Tgt Ion: 43 Resp: 330869

Ion Ratio Lower Upper

43 100

58 14.9 14.4 21.6





#17

Carbon Disulfide

Concen: 72.64 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

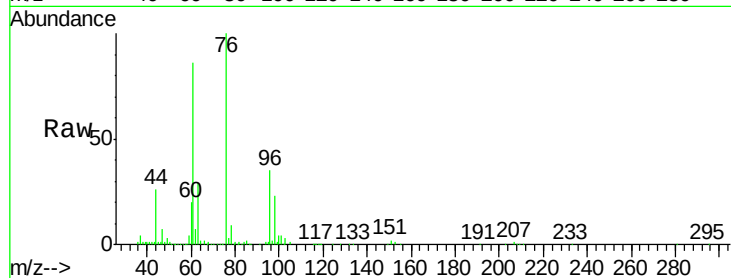
VSTDIC075

Tgt Ion: 76 Resp: 467011

Ion Ratio Lower Upper

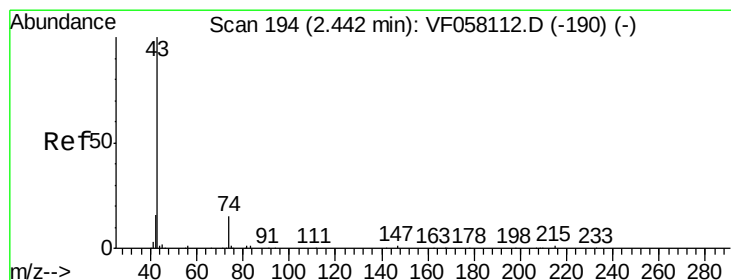
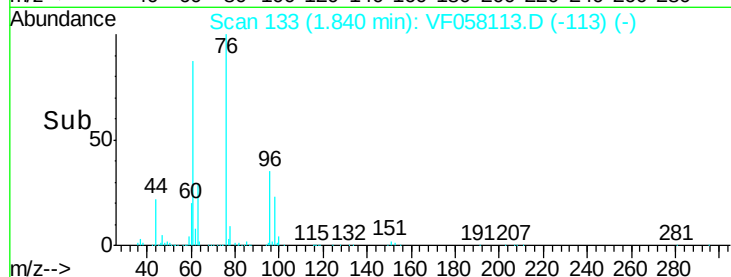
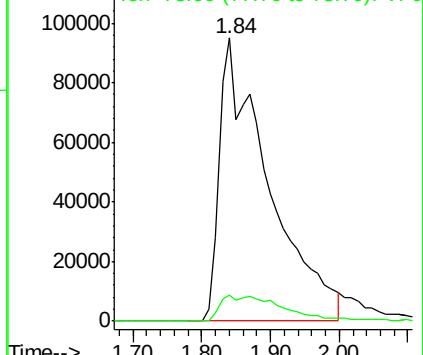
76 100

78 9.3 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 85.80 ug/l

RT: 2.53 min Scan# 203

Delta R.T. 0.09 min

Lab File: VF058113.D

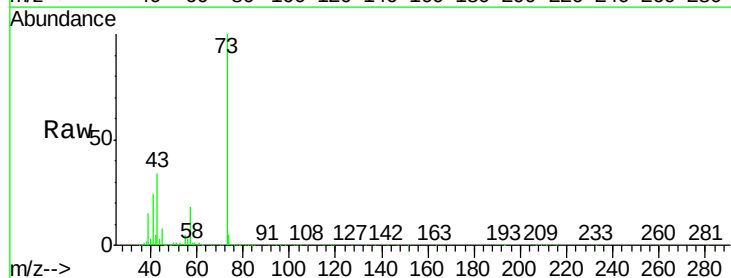
Acq: 6 Jun 2018 18:09

Tgt Ion: 43 Resp: 149916

Ion Ratio Lower Upper

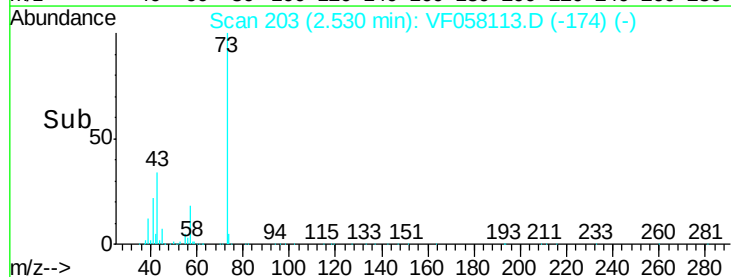
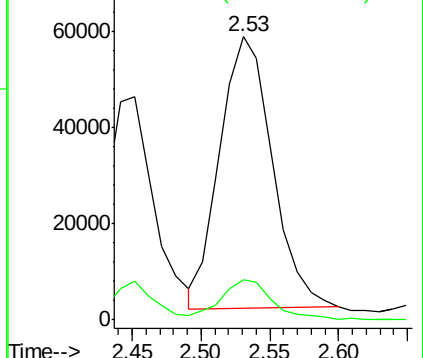
43 100

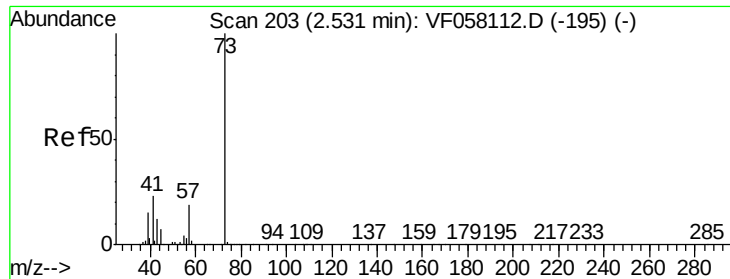
74 14.0 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

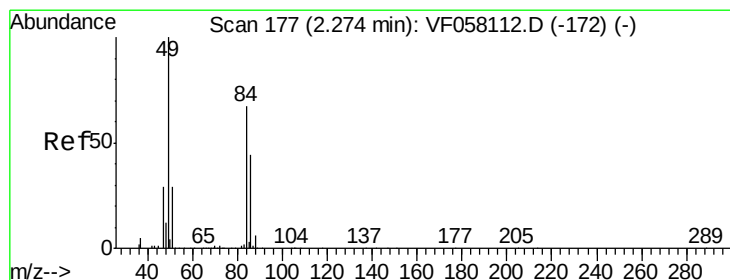
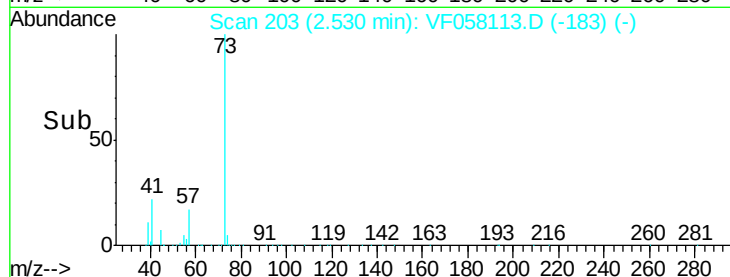
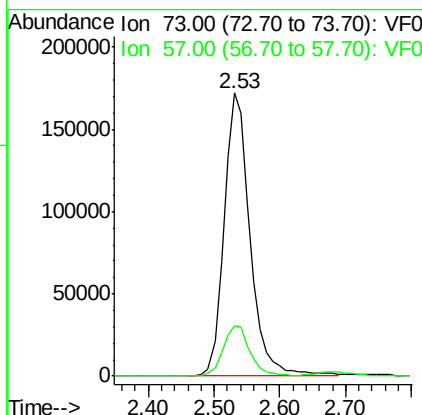
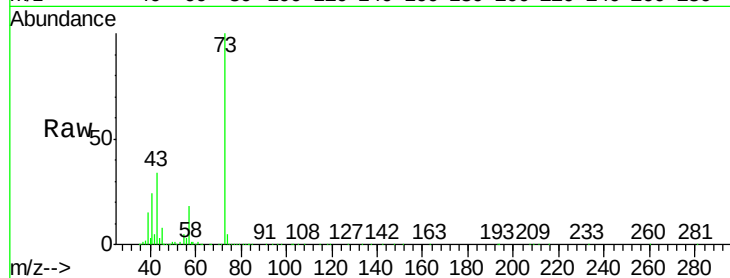




#19
Methyl tert-butyl Ether
Concen: 67.02 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

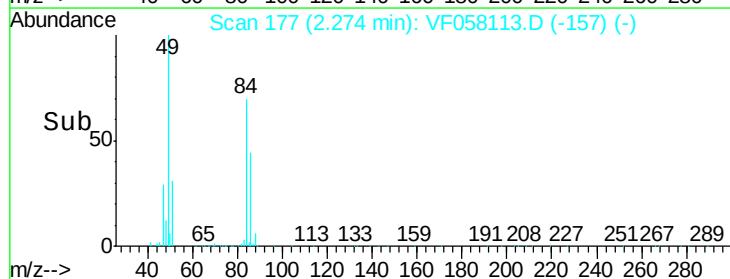
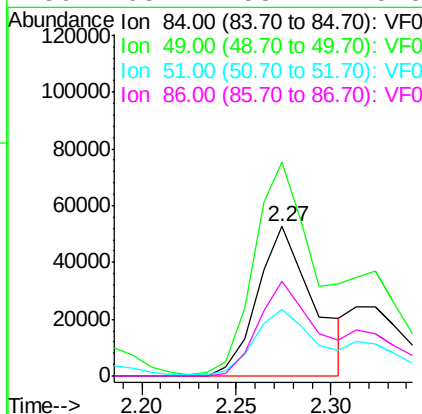
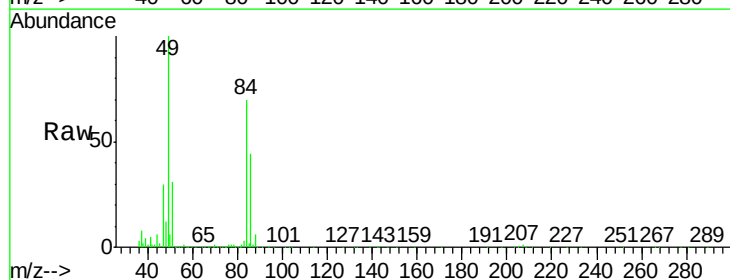
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

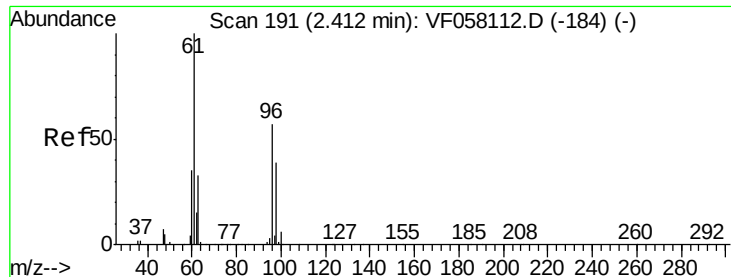
Tgt Ion: 73 Resp: 470207
Ion Ratio Lower Upper
73 100
57 17.8 15.0 22.4



#20
Methylene Chloride
Concen: 47.35 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

Tgt Ion: 84 Resp: 108609
Ion Ratio Lower Upper
84 100
49 142.9 121.0 181.4
51 44.3 35.8 53.6
86 63.2 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 70.38 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

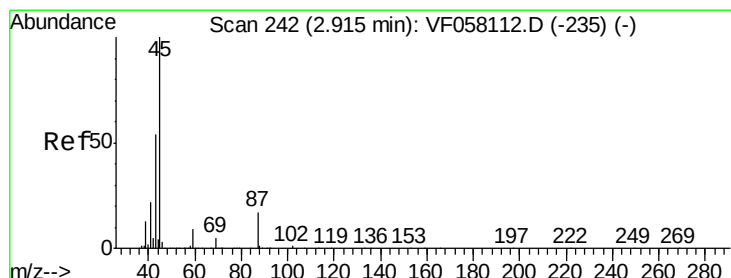
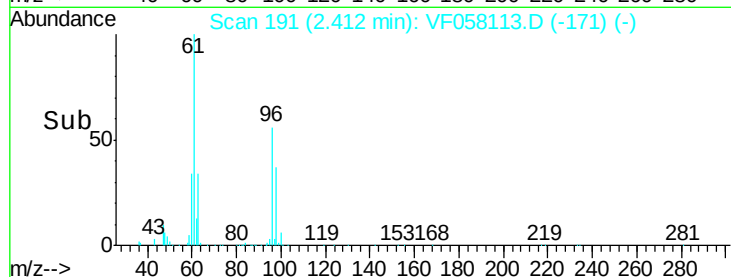
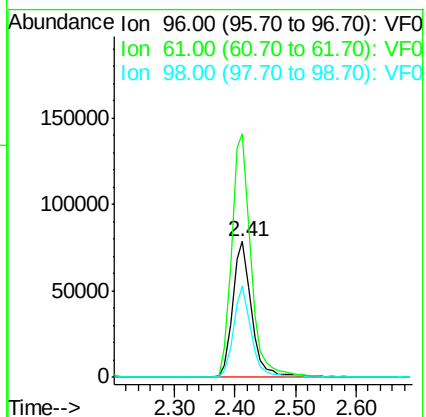
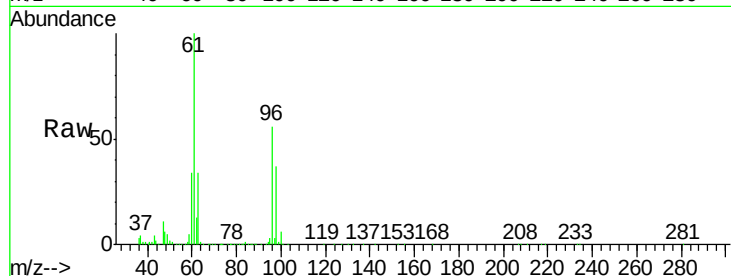
Tgt Ion: 96 Resp: 170211

Ion Ratio Lower Upper

96 100

61 179.7 139.4 209.2

98 67.1 54.0 81.0



#22

Diisopropyl ether

Concen: 72.86 ug/l

RT: 2.91 min Scan# 242

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Tgt Ion: 45 Resp: 610880

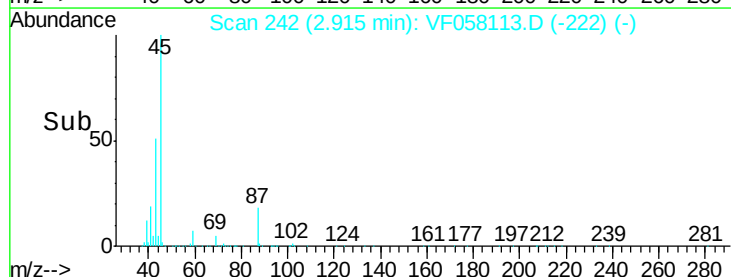
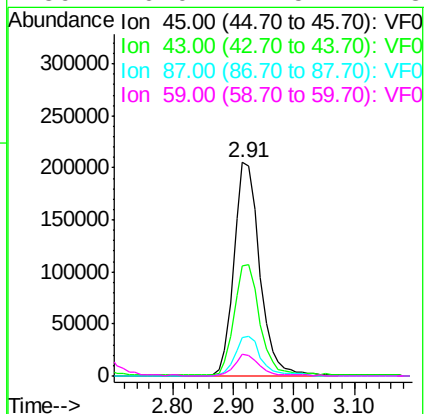
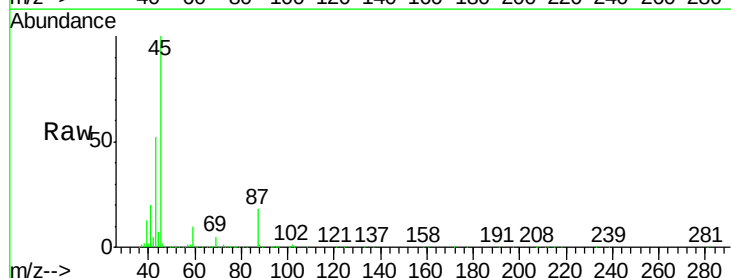
Ion Ratio Lower Upper

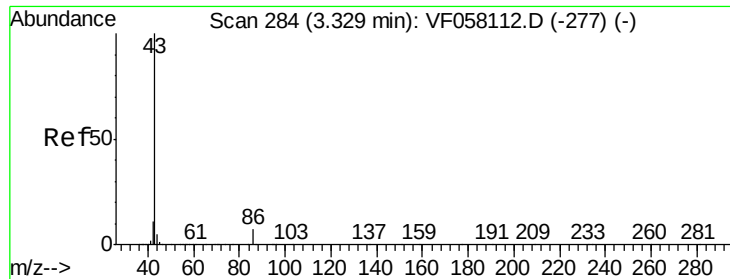
45 100

43 51.7 43.2 64.8

87 17.8 13.8 20.6

59 10.0 7.5 11.3





#23

Vinyl Acetate

Concen: 311.08 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

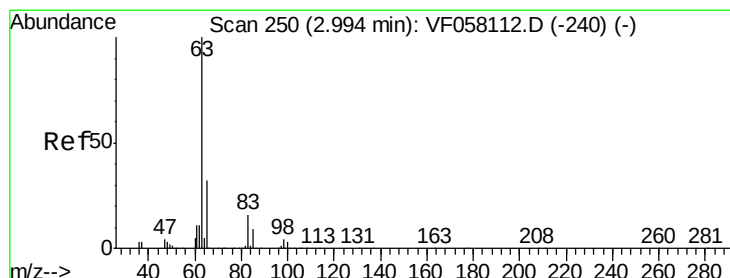
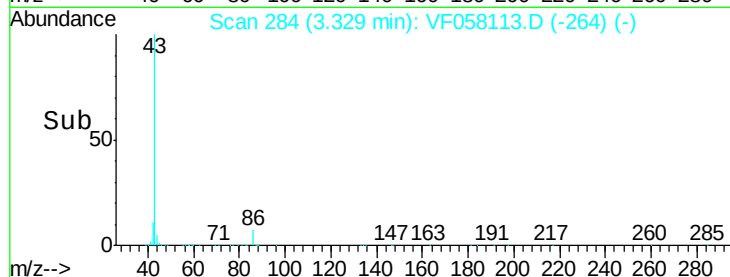
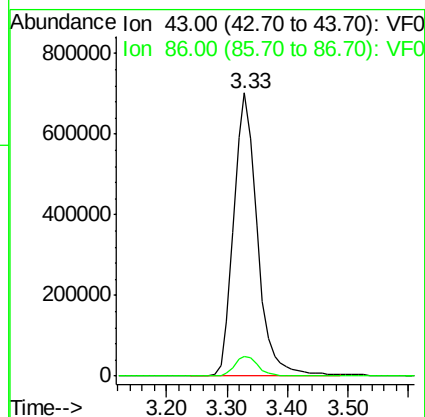
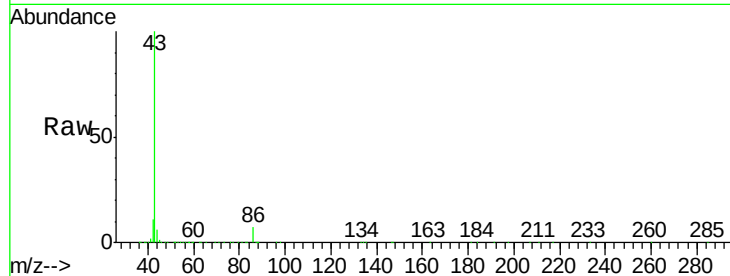
VSTDIC075

Tgt Ion: 43 Resp: 1910975

Ion Ratio Lower Upper

43 100

86 7.1 6.0 9.0



#24

1,1-Dichloroethane

Concen: 70.17 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

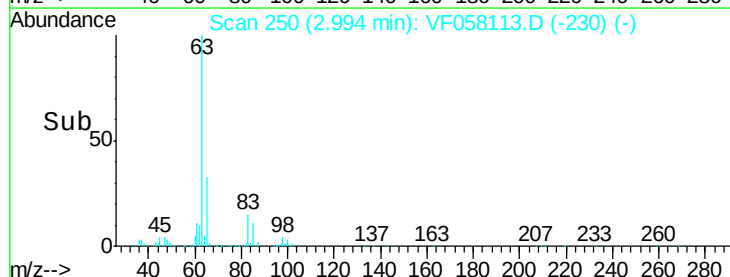
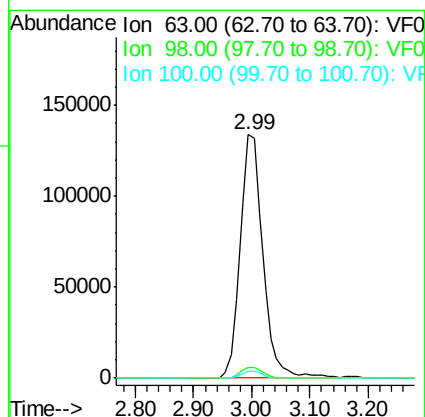
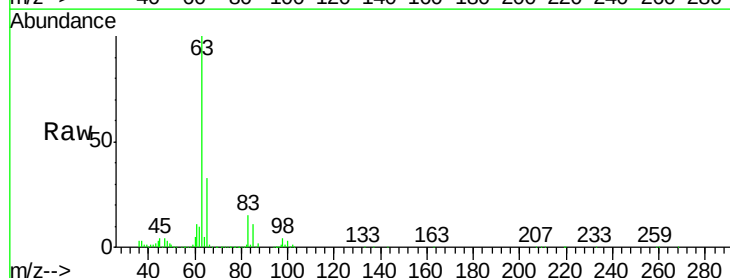
Tgt Ion: 63 Resp: 364425

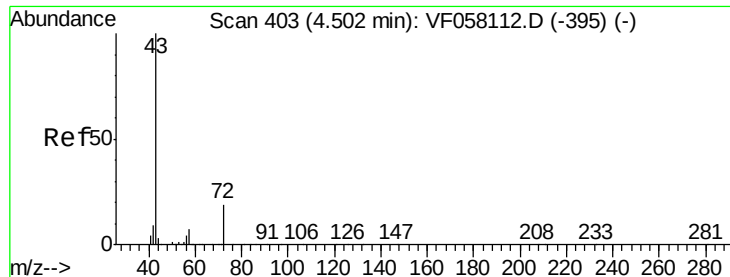
Ion Ratio Lower Upper

63 100

98 4.5 2.0 6.0

100 2.8 1.4 4.0





#25

2-Butanone

Concen: 307.82 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

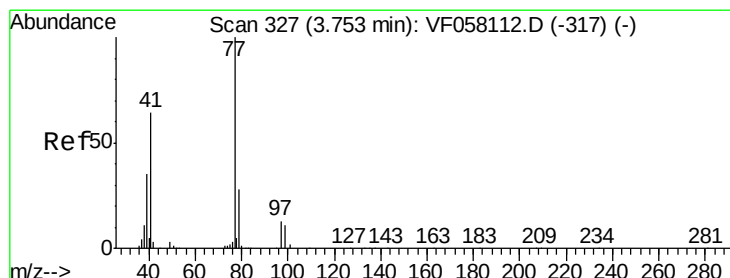
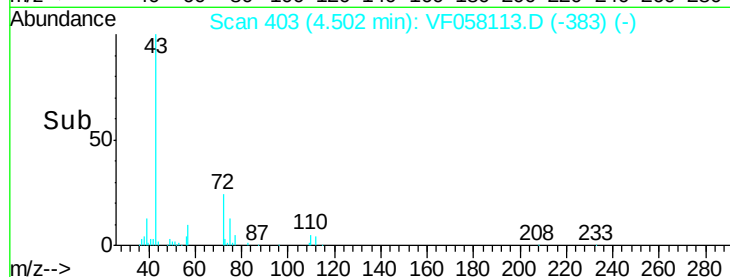
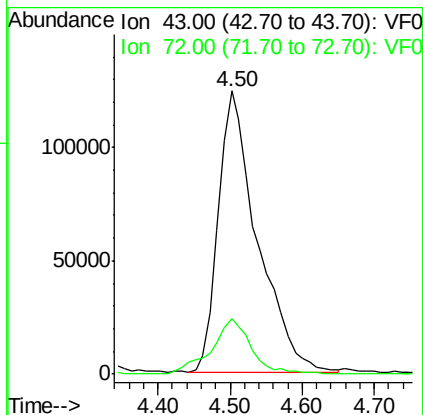
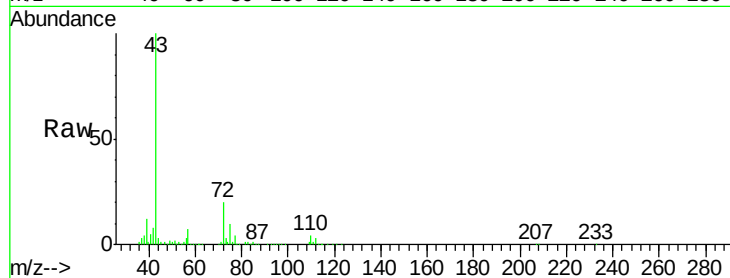
VSTDIC075

Tgt Ion: 43 Resp: 467858

Ion Ratio Lower Upper

43 100

72 19.7 16.1 24.1



#26

2,2-Dichloropropane

Concen: 69.53 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF058113.D

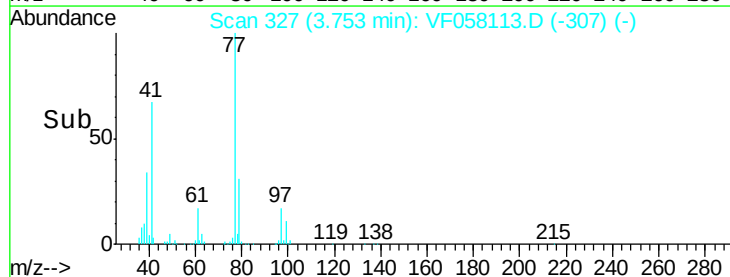
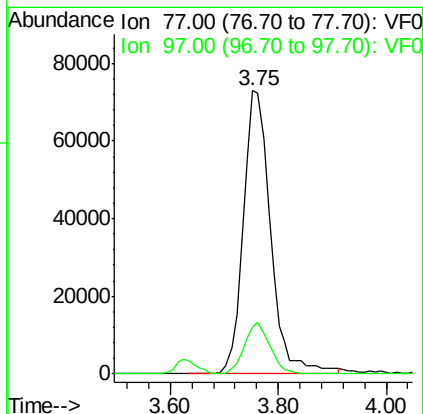
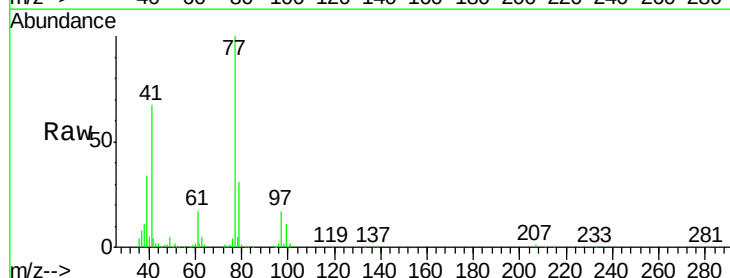
Acq: 6 Jun 2018 18:09

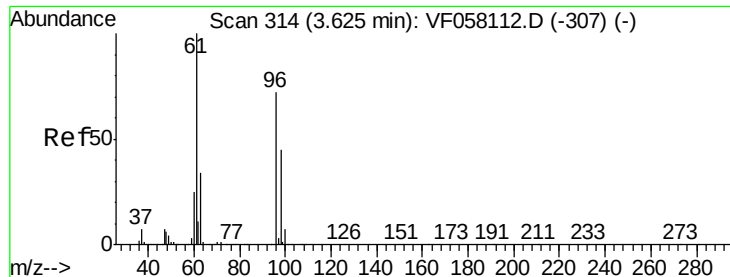
Tgt Ion: 77 Resp: 255225

Ion Ratio Lower Upper

77 100

97 16.6 7.2 21.6



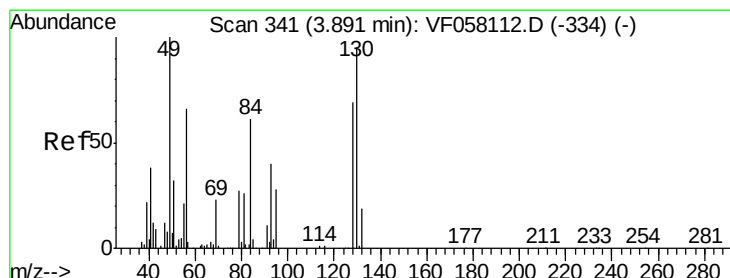
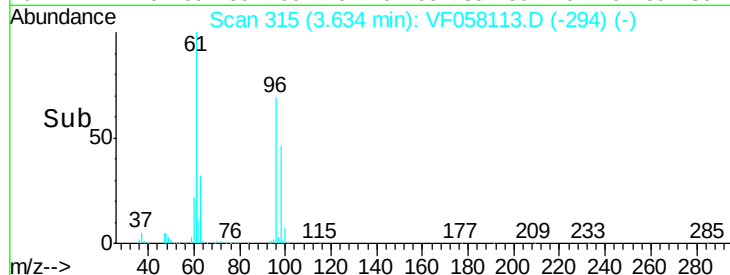
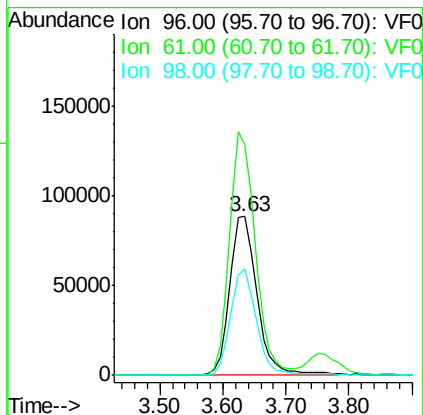
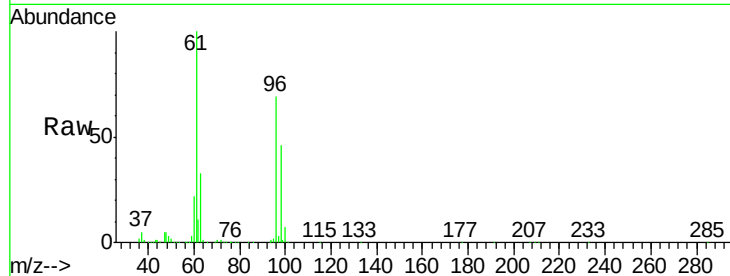


#27

cis-1,2-Dichloroethene
Concen: 65.91 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

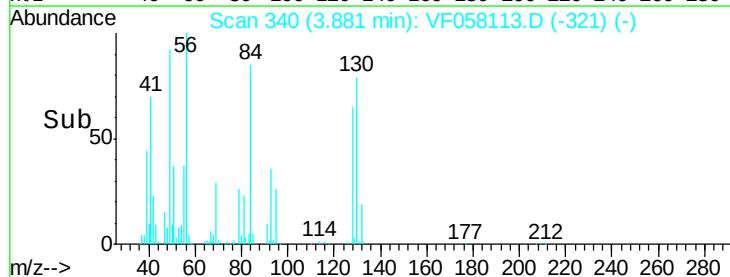
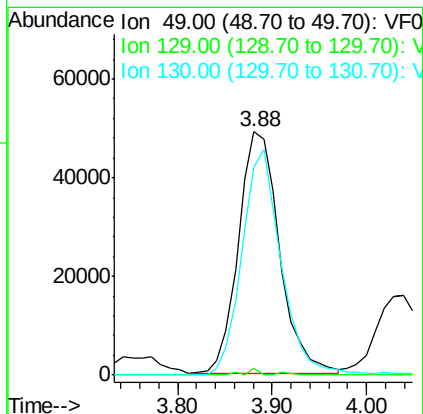
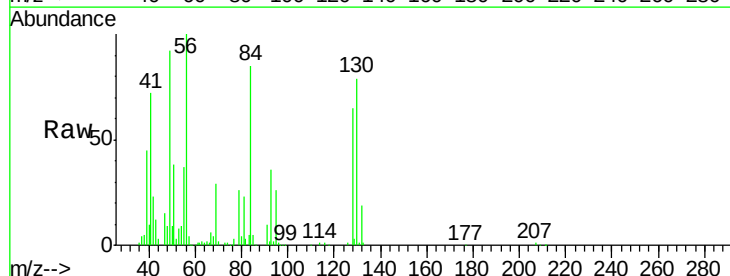
Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	278.6
98	67.1	0.0	125.2

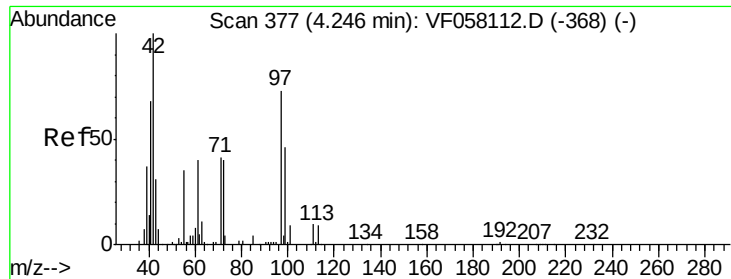


#28

Bromochloromethane
Concen: 64.32 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	0.0#
130	85.3	75.8	113.8





#29

Tetrahydrofuran

Concen: 286.92 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

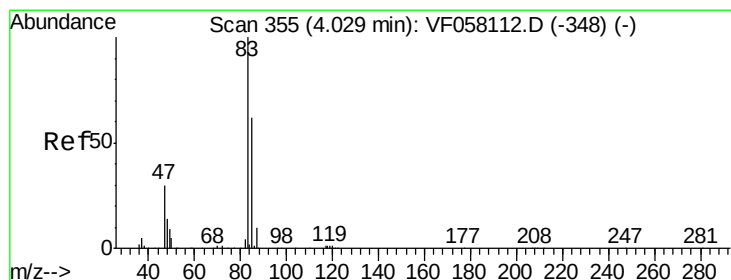
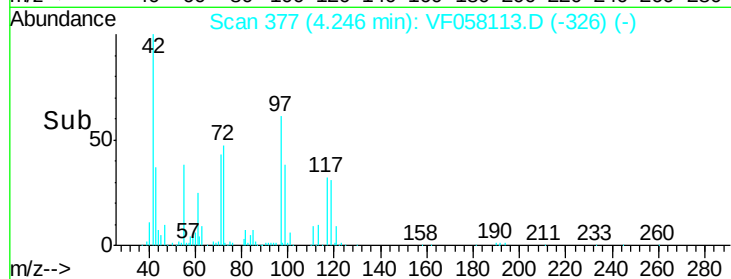
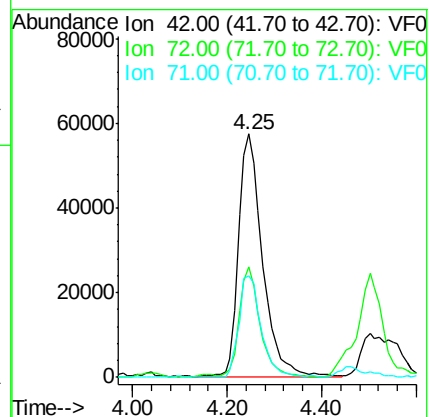
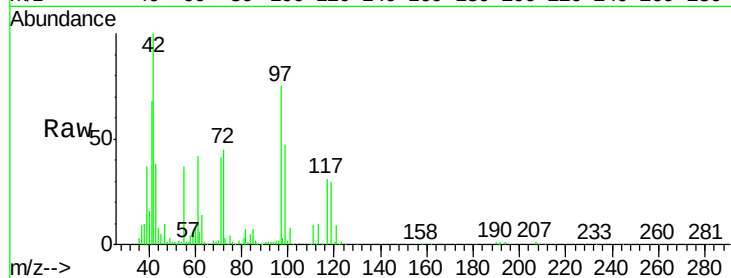
Tgt Ion: 42 Resp: 201296

Ion Ratio Lower Upper

42 100

72 39.5 30.5 45.7

71 38.8 31.5 47.3



#30

Chloroform

Concen: 65.72 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF058113.D

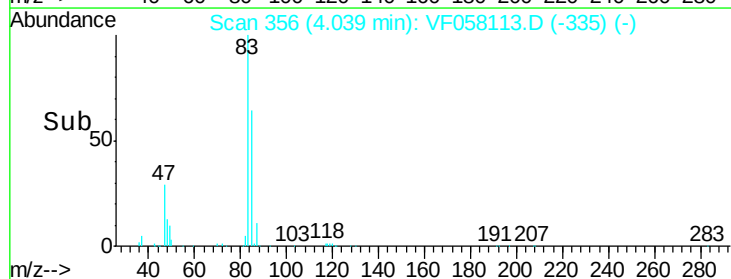
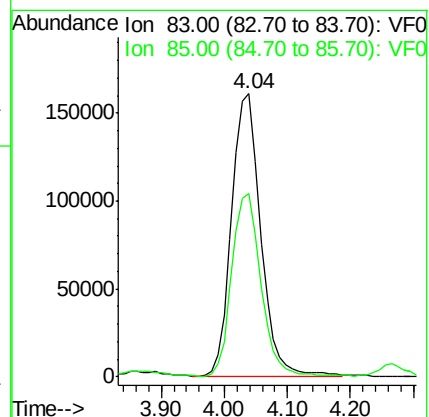
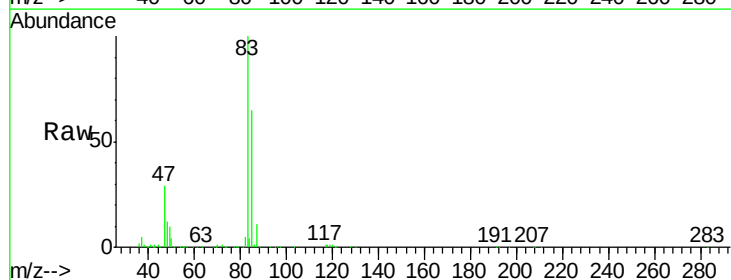
Acq: 6 Jun 2018 18:09

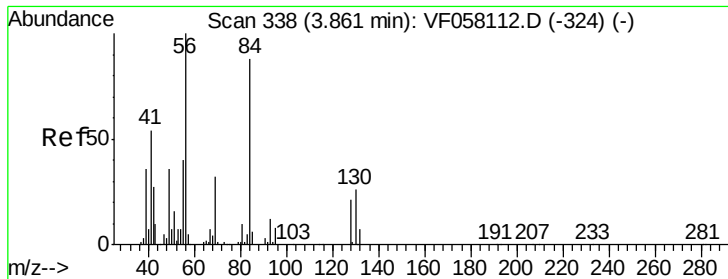
Tgt Ion: 83 Resp: 512017

Ion Ratio Lower Upper

83 100

85 65.0 49.5 74.3

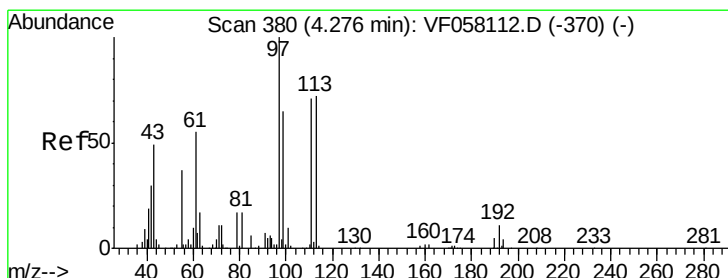
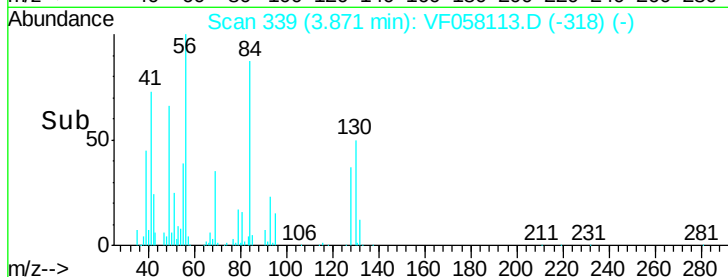
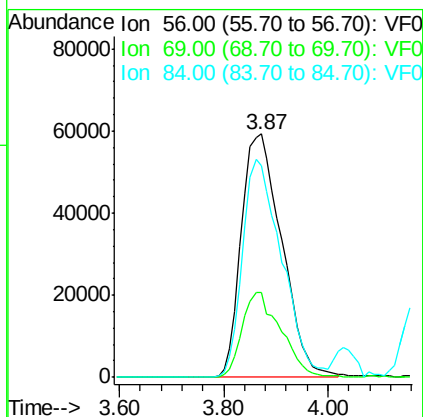
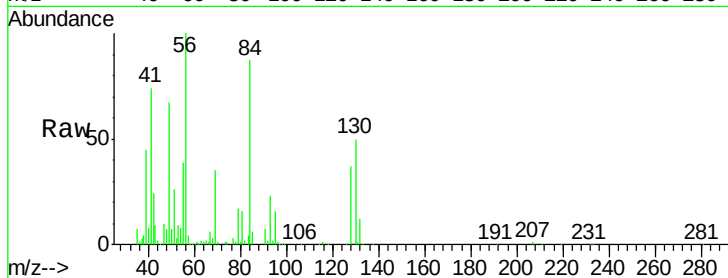




#31
Cyclohexane
Concen: 64.10 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

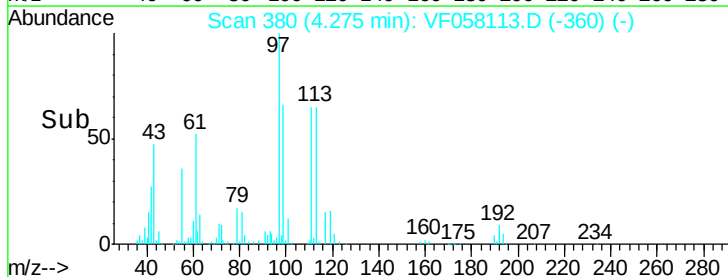
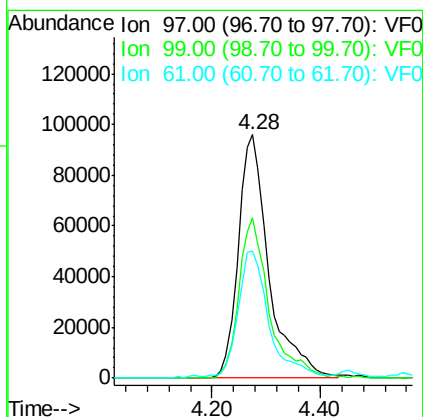
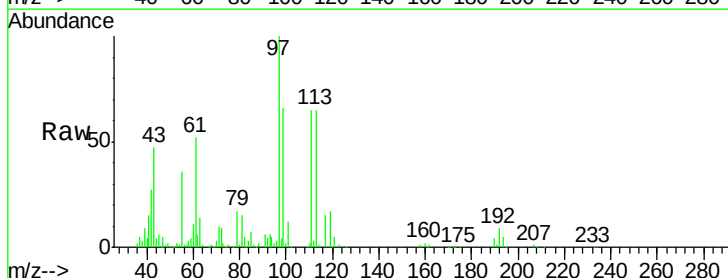
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

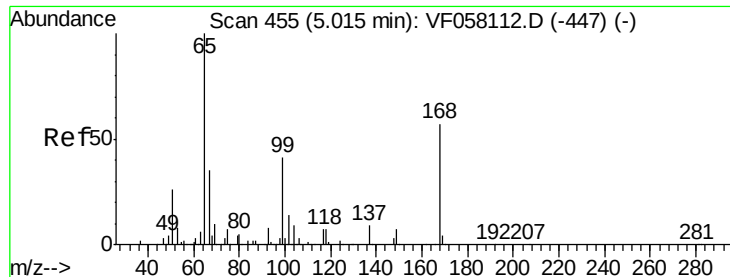
Tgt Ion: 56 Resp: 313310
Ion Ratio Lower Upper
56 100
69 35.1 25.9 38.9
84 87.0 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 68.61 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

Tgt Ion: 97 Resp: 379435
Ion Ratio Lower Upper
97 100
99 65.6 52.0 78.0
61 52.1 44.3 66.5

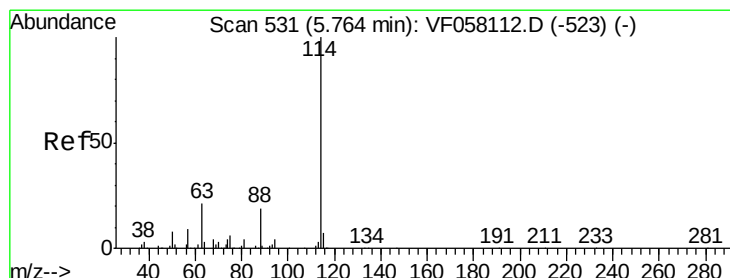
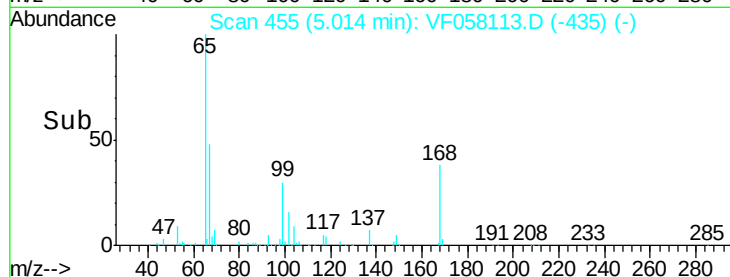
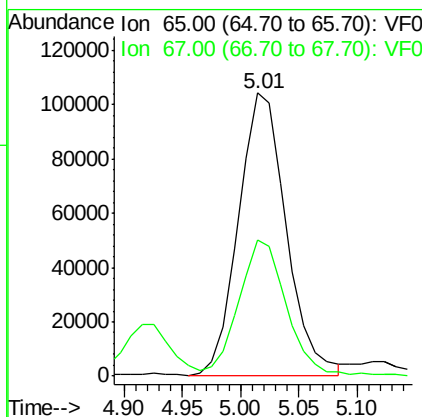
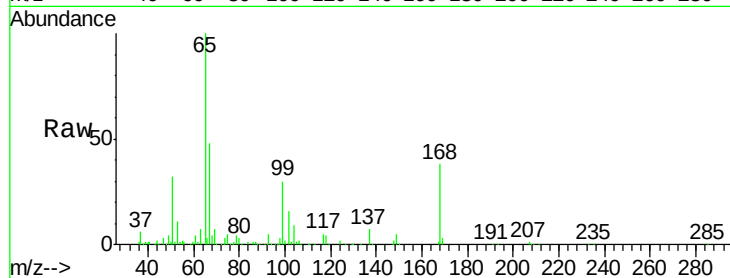




#33
 1,2-Dichloroethane-d4
 Concen: 69.13 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF058113.D
 Acq: 6 Jun 2018 18:09

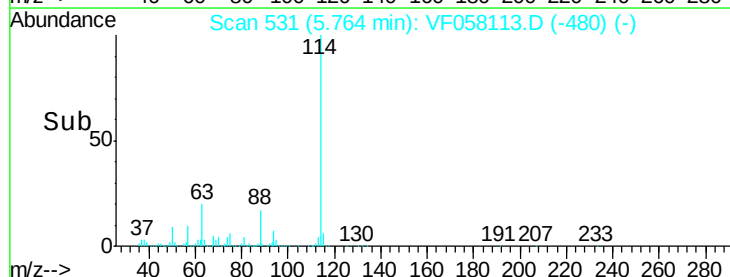
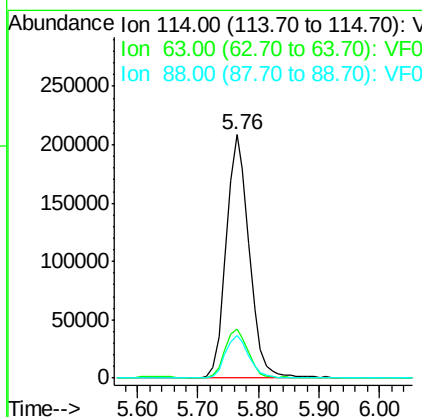
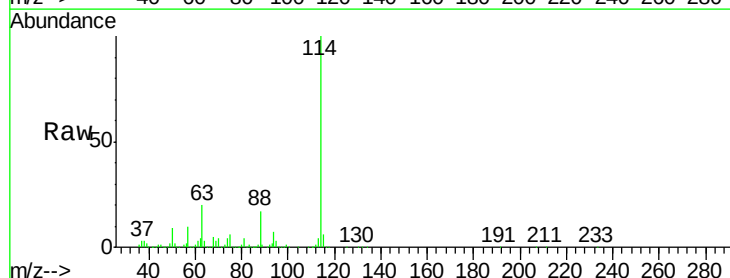
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

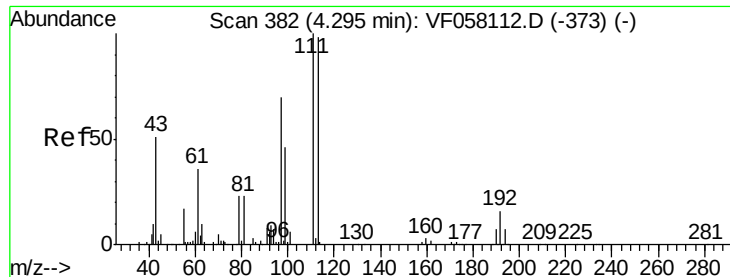
Tgt Ion: 65 Resp: 295846
 Ion Ratio Lower Upper
 65 100
 67 48.1 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF058113.D
 Acq: 6 Jun 2018 18:09

Tgt Ion: 114 Resp: 551590
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.6
 88 17.5 0.0 38.8





#35

Dibromofluoromethane

Concen: 65.90 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

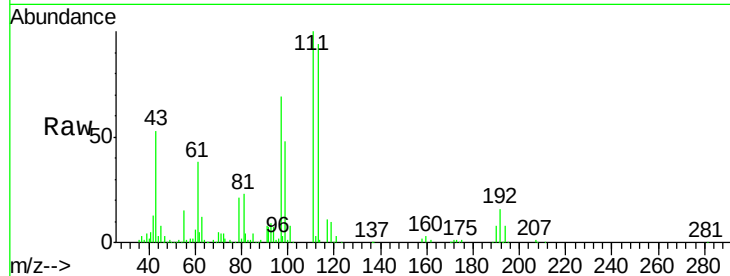
Tgt Ion:113 Resp: 269585

Ion Ratio Lower Upper

113 100

111 106.0 81.3 121.9

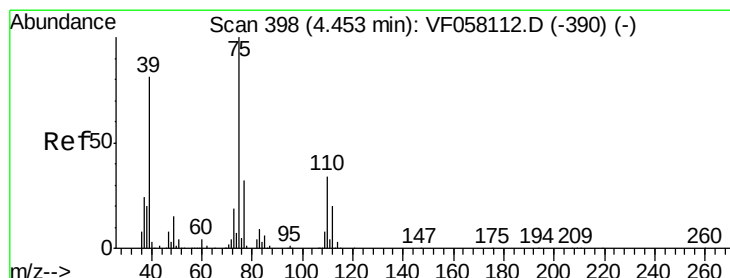
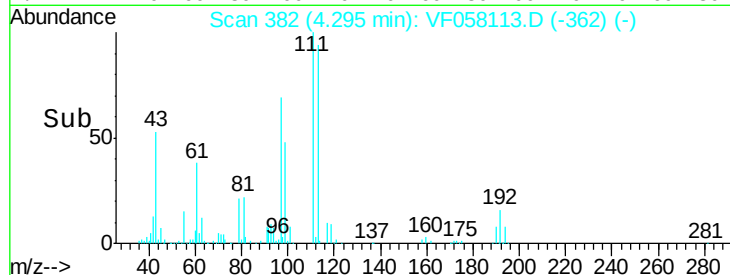
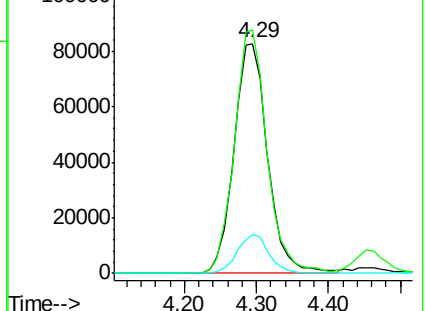
192 16.9 12.7 19.1



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 69.02 ug/l

RT: 4.46 min Scan# 399

Delta R.T. 0.01 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

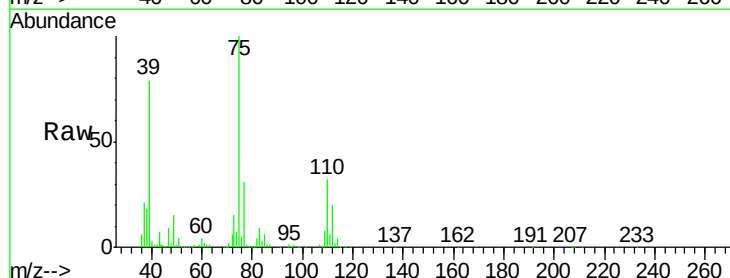
Tgt Ion: 75 Resp: 385052

Ion Ratio Lower Upper

75 100

110 32.1 17.0 50.9

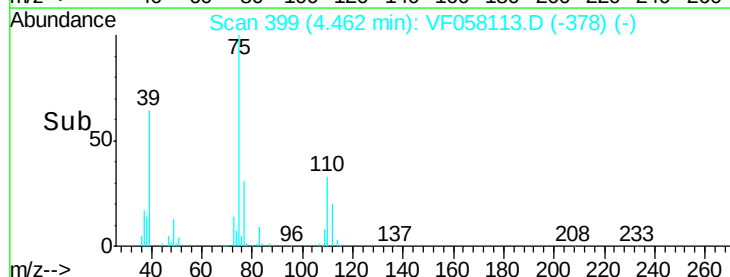
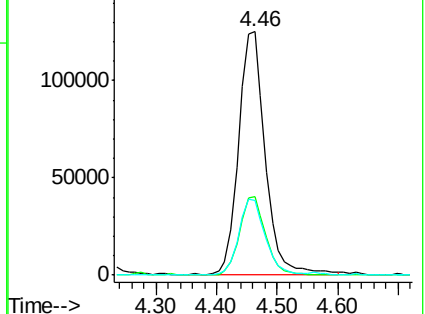
77 30.5 25.3 37.9

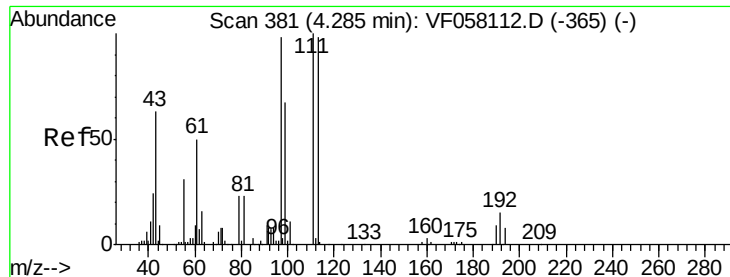


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 61.44 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

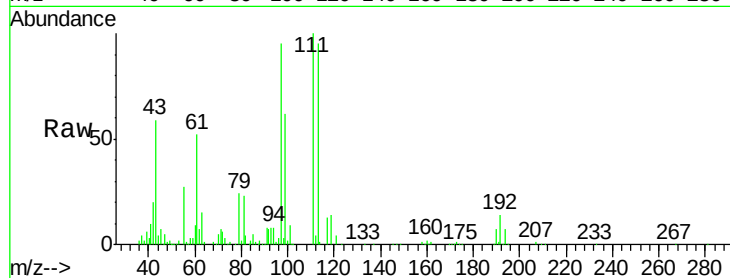
Tgt Ion: 43 Resp: 202104

Ion Ratio Lower Upper

43 100

61 87.1 63.0 94.4

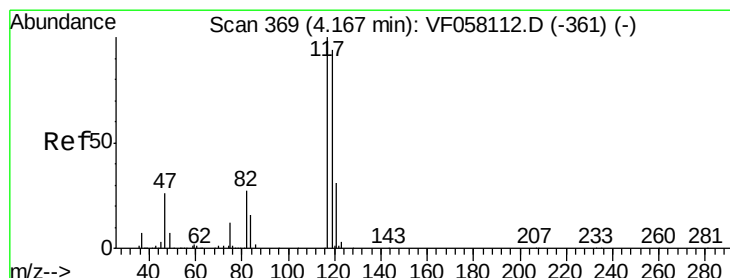
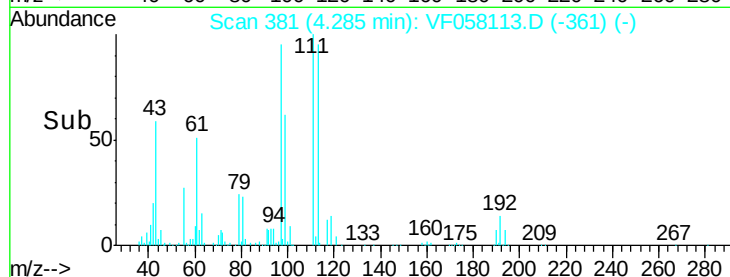
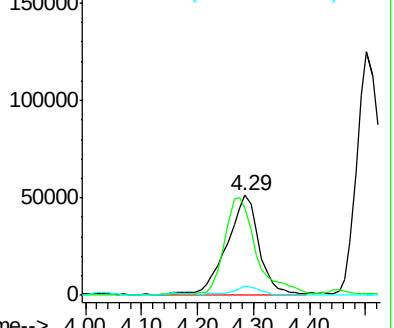
70 9.1 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 77.02 ug/l

RT: 4.17 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

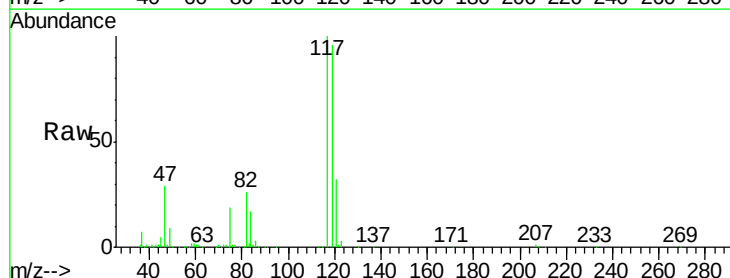
Tgt Ion: 117 Resp: 456501

Ion Ratio Lower Upper

117 100

119 96.0 75.7 113.5

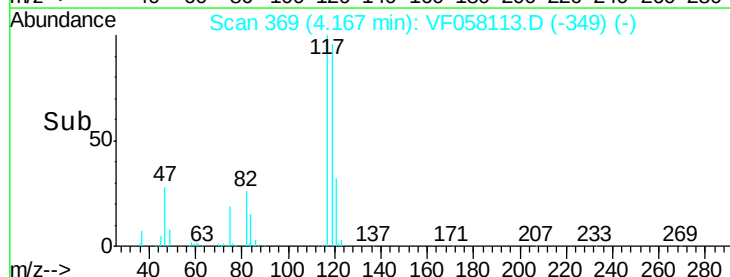
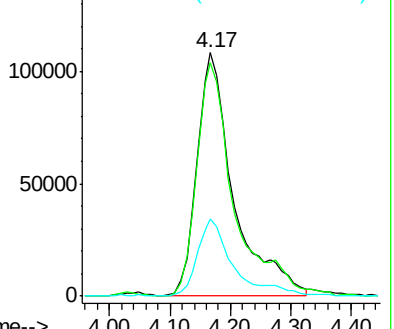
121 31.5 24.8 37.2

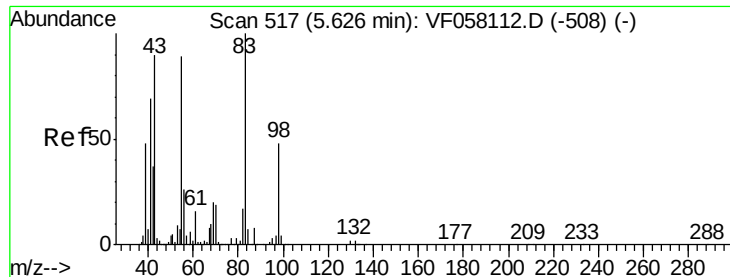


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

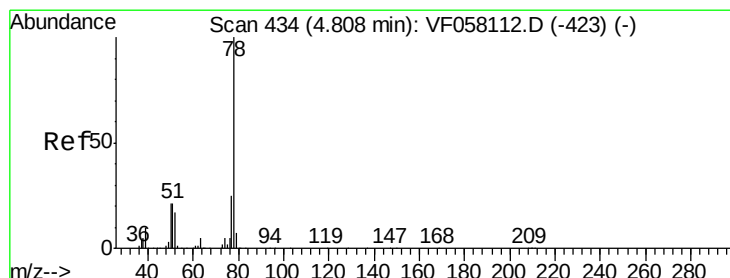
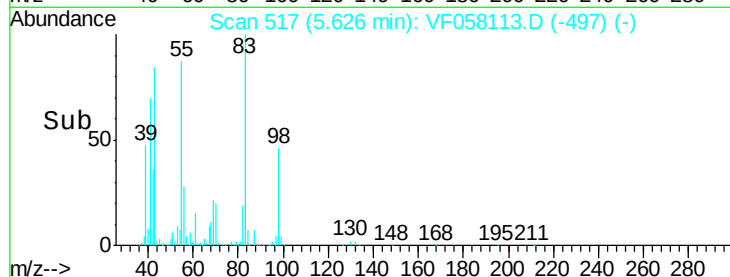
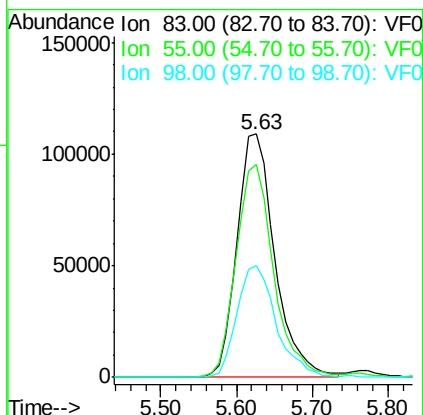
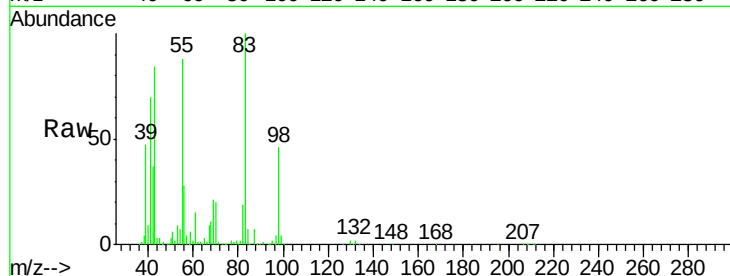




#39
Methylcyclohexane
Concen: 65.77 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

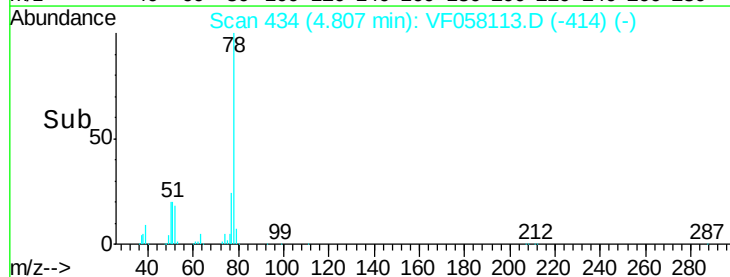
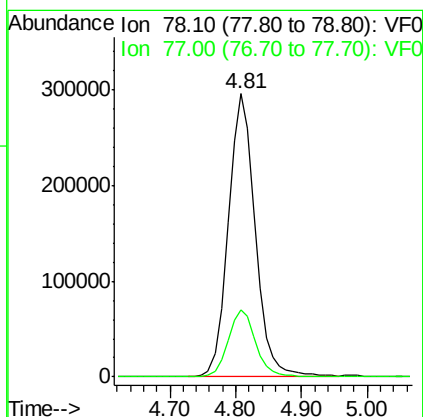
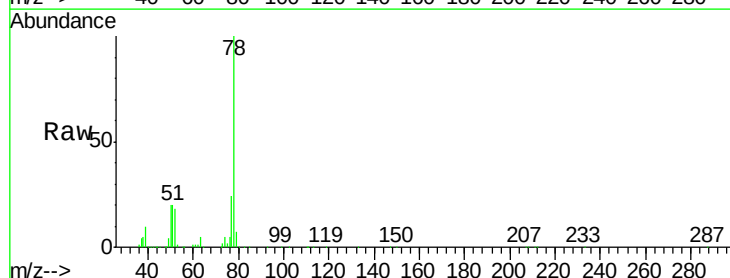
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

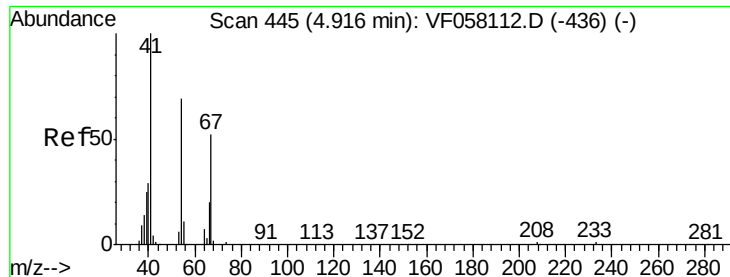
Tgt Ion: 83 Resp: 379148
Ion Ratio Lower Upper
83 100
55 87.6 71.0 106.4
98 45.8 38.1 57.1



#40
Benzene
Concen: 65.17 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

Tgt Ion: 78 Resp: 851203
Ion Ratio Lower Upper
78 100
77 23.8 20.2 30.2

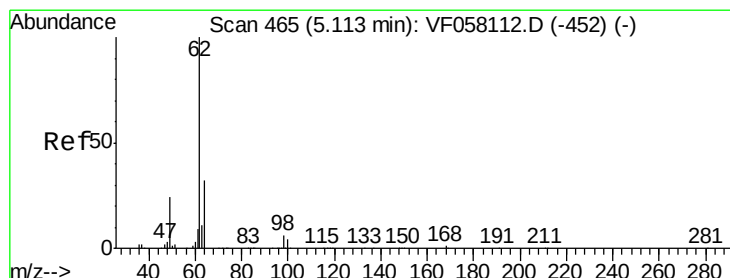
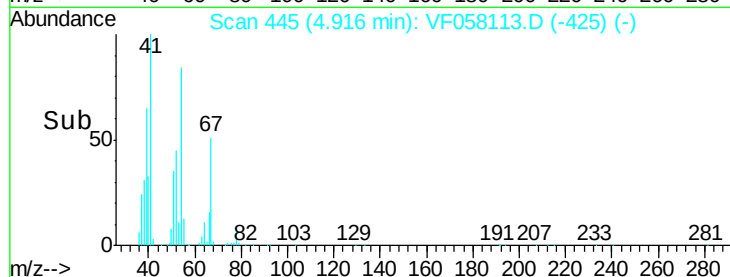
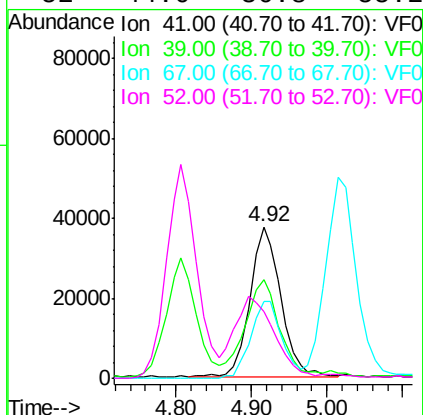
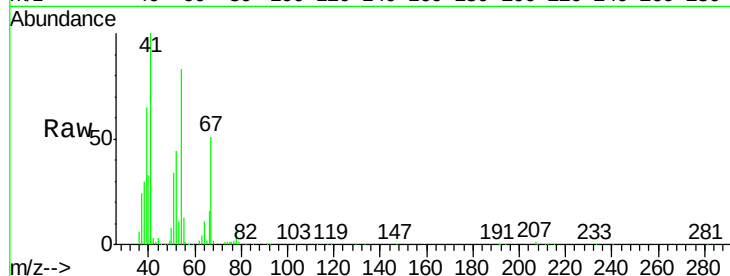




#41
Methacrylonitrile
Concen: 63.51 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

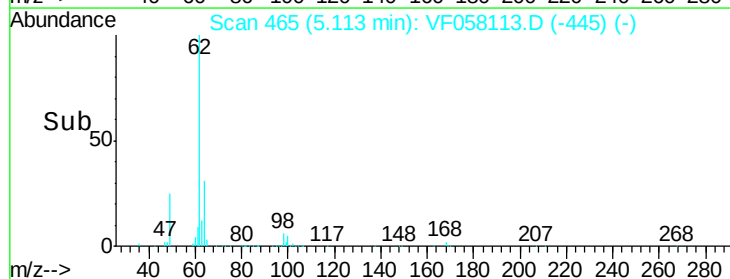
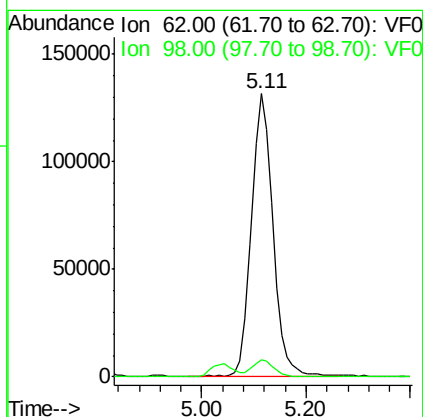
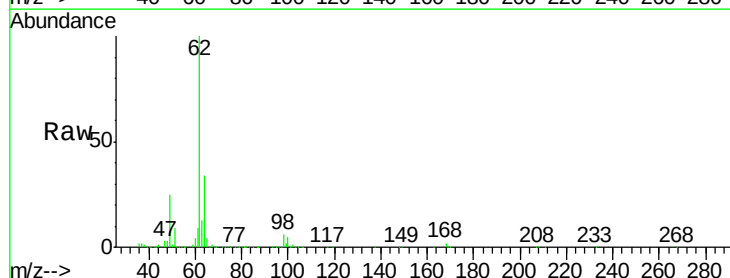
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

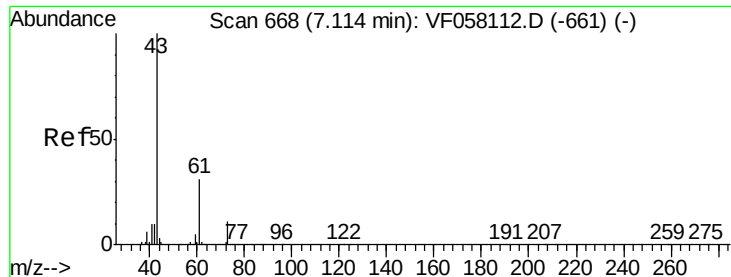
Tgt Ion:	41	Resp:	105792
Ion	Ratio	Lower	Upper
41	100		
39	65.2	53.0	79.4
67	50.5	41.0	61.6
52	44.0	36.8	55.2



#42
1,2-Dichloroethane
Concen: 66.00 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

Tgt Ion:	62	Resp:	370149
Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	11.8





#43

Isopropyl Acetate

Concen: 63.51 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

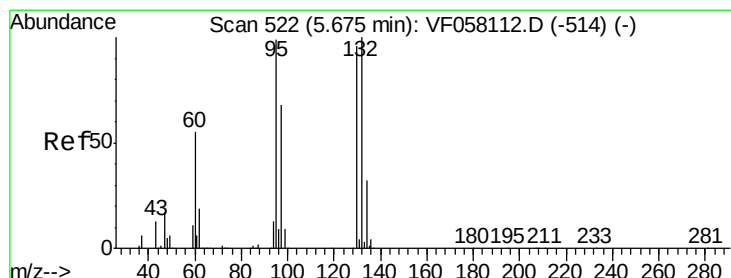
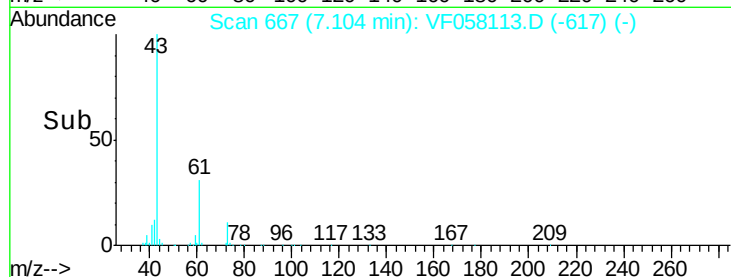
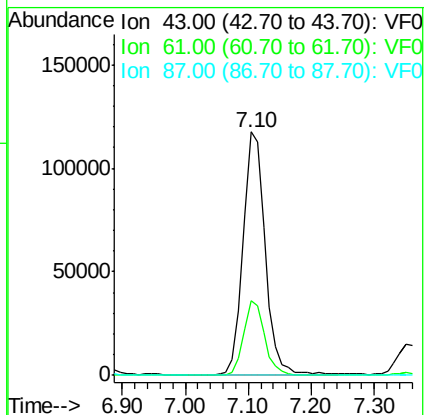
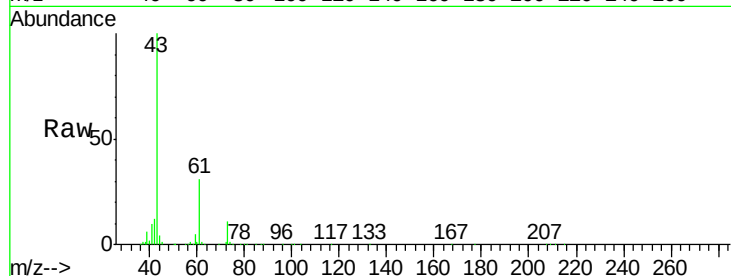
Tgt Ion: 43 Resp: 283249

Ion Ratio Lower Upper

43 100

61 30.6 25.1 37.7

87 0.3 0.2 0.4



#44

Trichloroethene

Concen: 63.14 ug/l

RT: 5.67 min Scan# 522

Delta R.T. -0.00 min

Lab File: VF058113.D

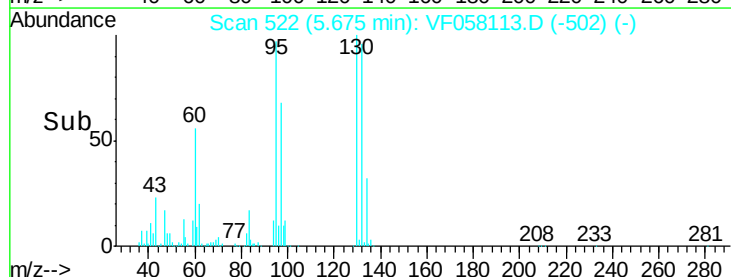
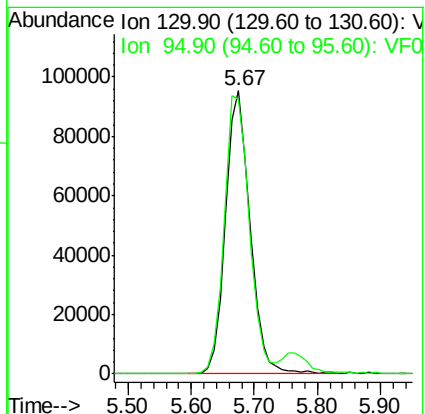
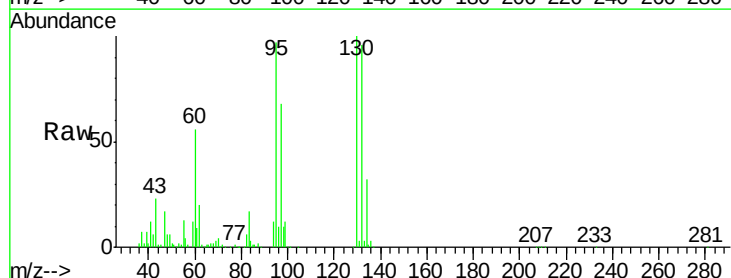
Acq: 6 Jun 2018 18:09

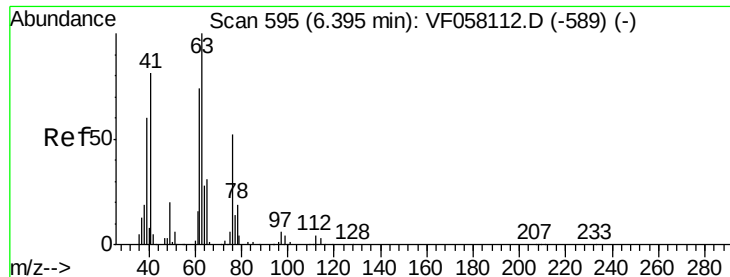
Tgt Ion: 130 Resp: 256842

Ion Ratio Lower Upper

130 100

95 97.0 0.0 206.8





#45

1,2-Dichloropropane

Concen: 63.85 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

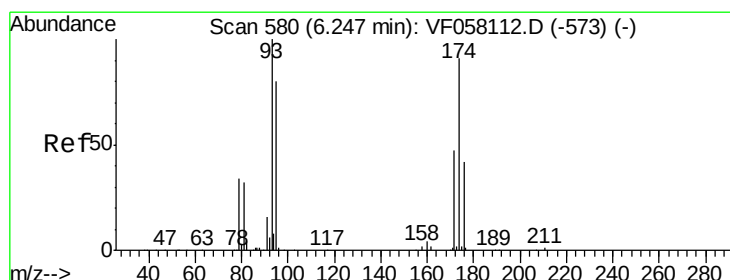
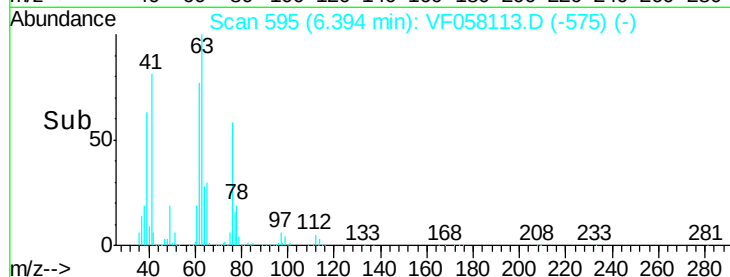
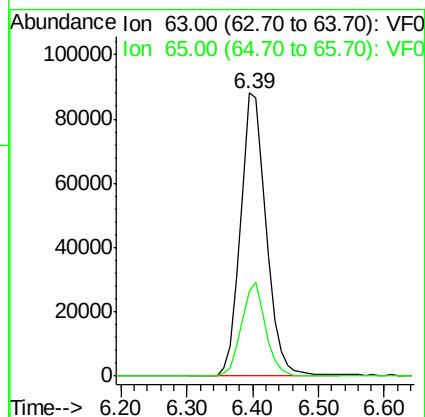
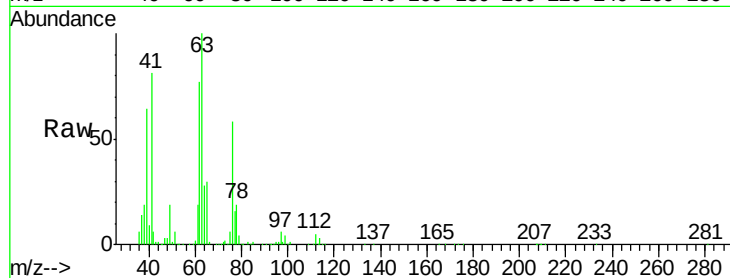
VSTDIC075

Tgt Ion: 63 Resp: 242433

Ion Ratio Lower Upper

63 100

65 30.1 24.6 37.0



#46

Dibromomethane

Concen: 63.17 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

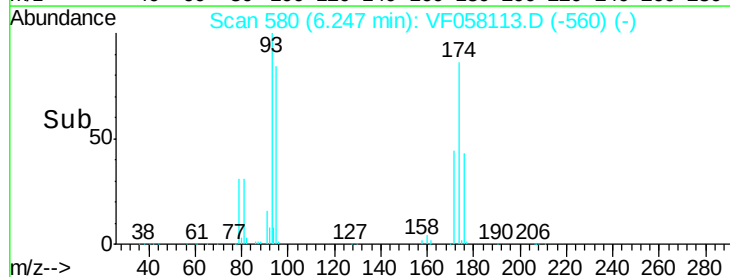
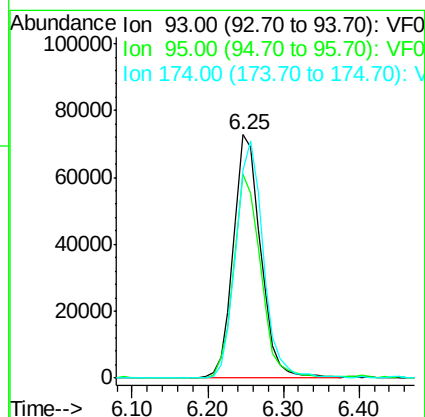
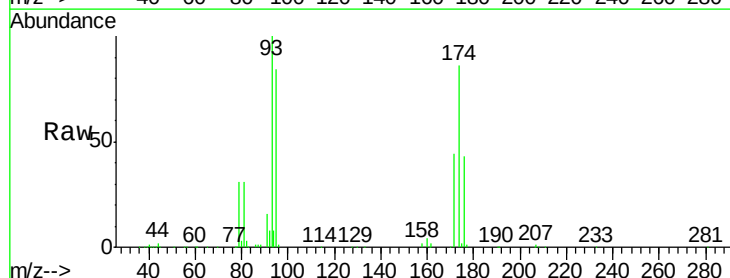
Tgt Ion: 93 Resp: 181059

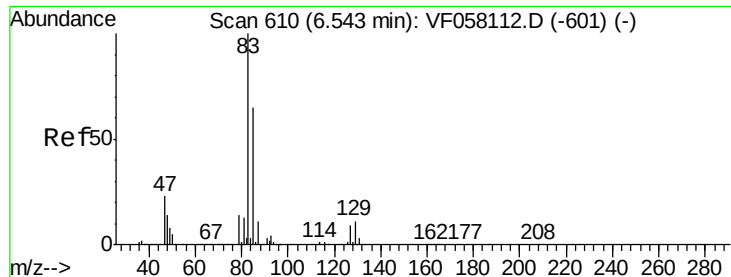
Ion Ratio Lower Upper

93 100

95 84.0 64.2 96.4

174 85.6 72.7 109.1





#47

Bromodichloromethane

Concen: 66.97 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

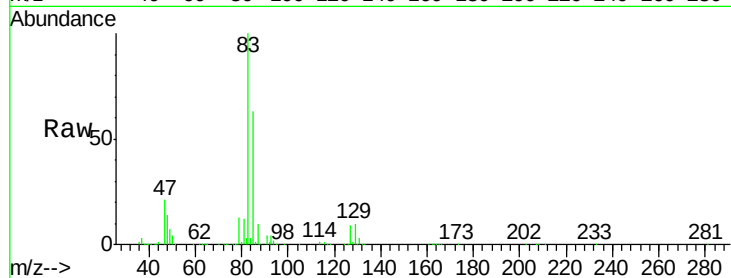
Tgt Ion: 83 Resp: 423528

Ion Ratio Lower Upper

83 100

85 62.8 51.6 77.4

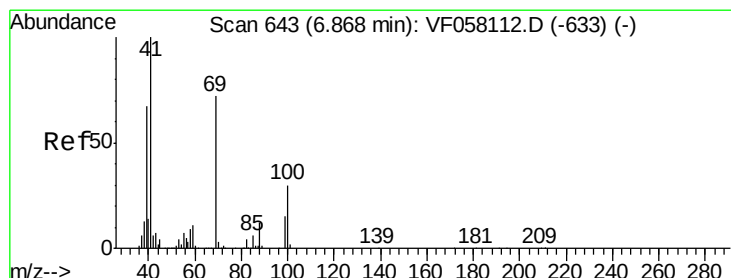
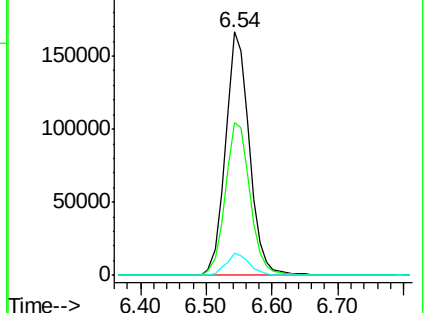
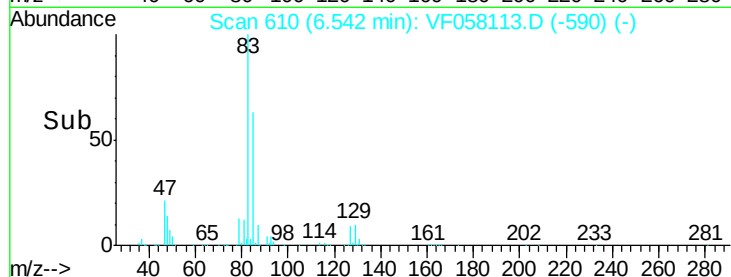
127 8.8 7.2 10.8



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: 67.10 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

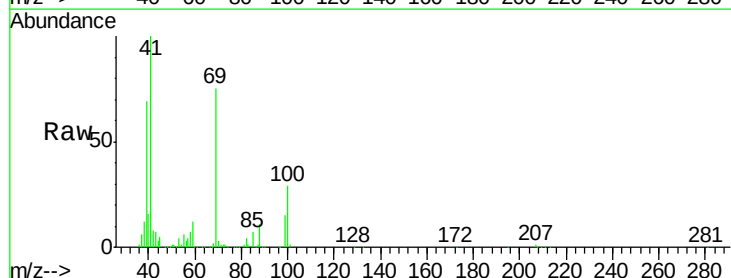
Tgt Ion: 41 Resp: 189149

Ion Ratio Lower Upper

41 100

69 75.1 57.2 85.8

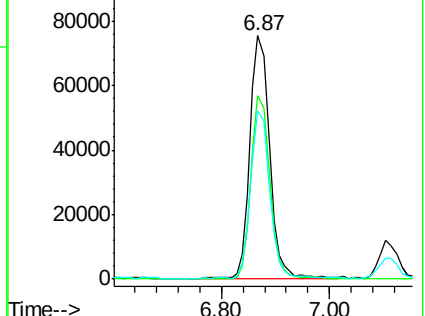
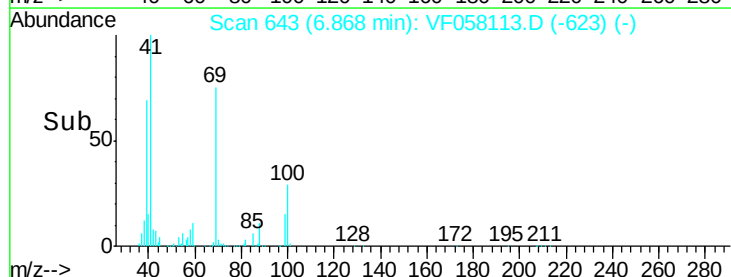
39 69.2 54.3 81.5

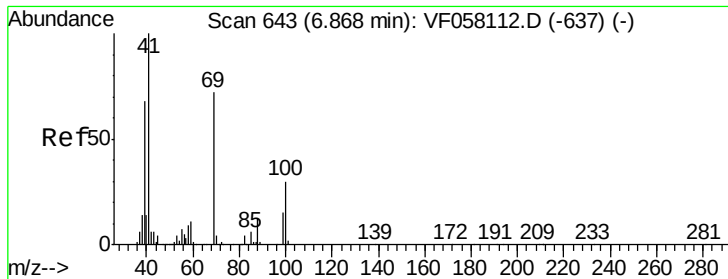


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1411.74 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

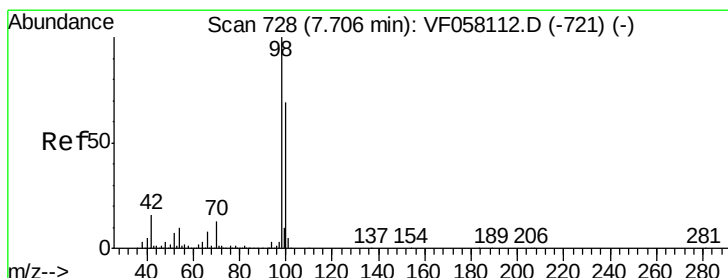
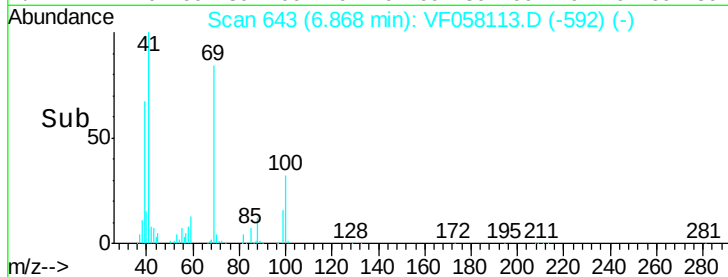
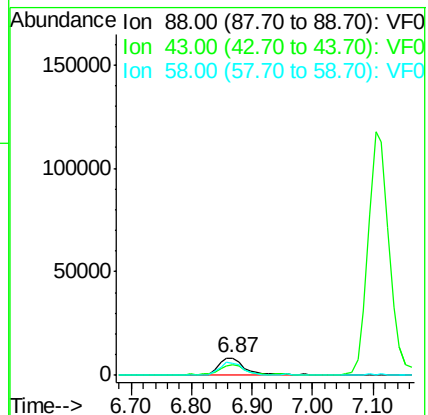
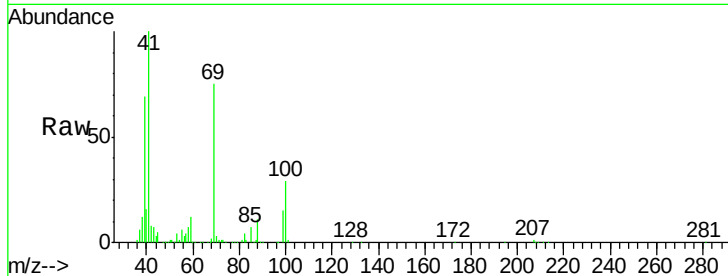
Tgt Ion: 88 Resp: 27461

Ion Ratio Lower Upper

88 100

43 62.6 47.8 71.8

58 68.3 59.4 89.0



#50

Toluene-d8

Concen: 69.85 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF058113.D

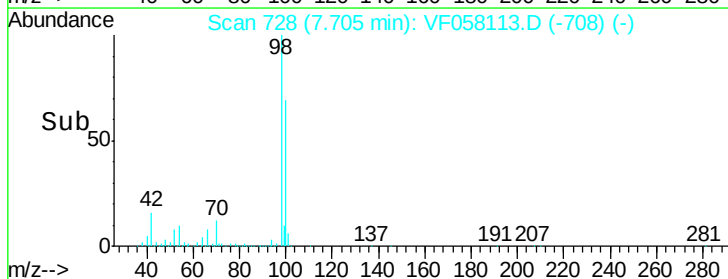
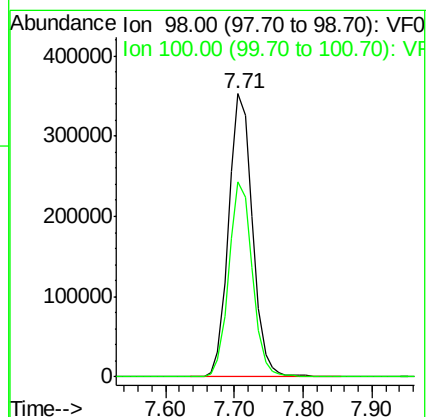
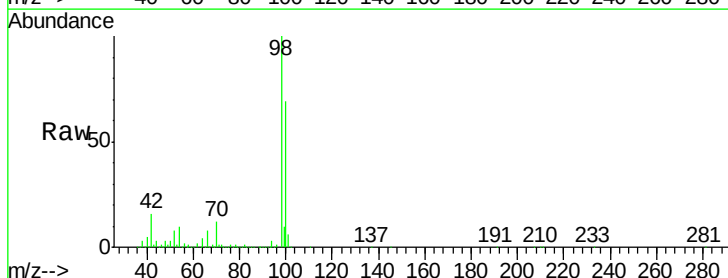
Acq: 6 Jun 2018 18:09

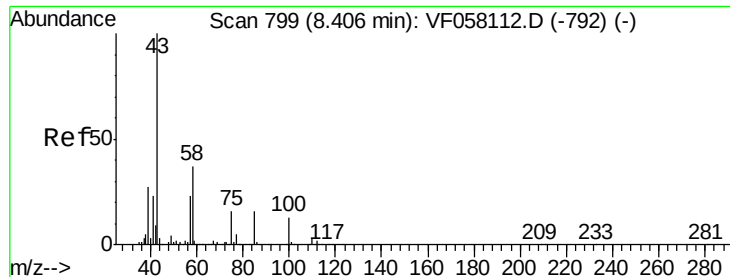
Tgt Ion: 98 Resp: 846892

Ion Ratio Lower Upper

98 100

100 69.1 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 301.50 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

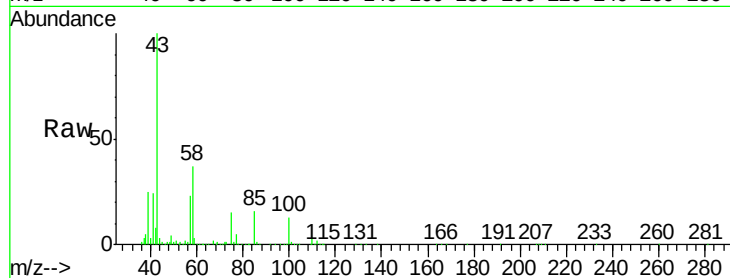
VSTDIC075

Tgt Ion: 43 Resp: 933408

Ion Ratio Lower Upper

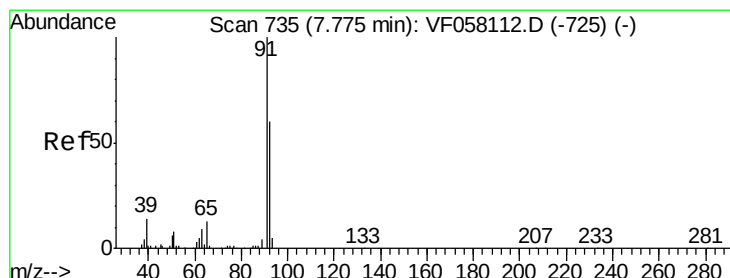
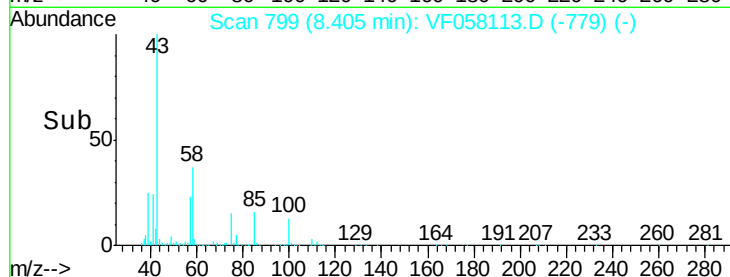
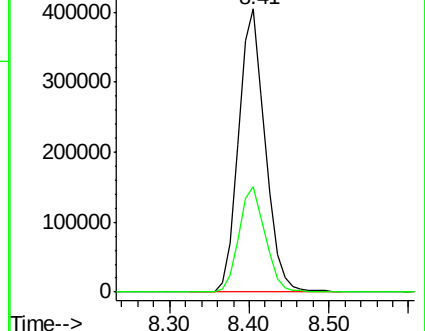
43 100

58 37.1 29.4 44.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 66.43 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF058113.D

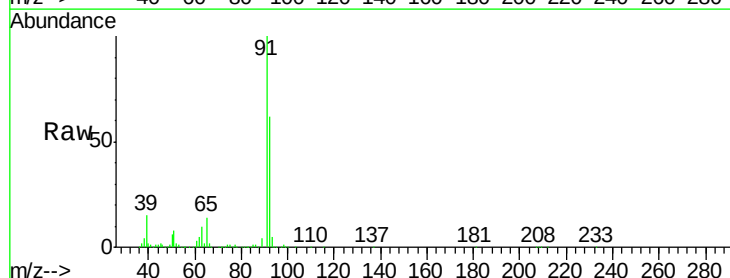
Acq: 6 Jun 2018 18:09

Tgt Ion: 92 Resp: 616066

Ion Ratio Lower Upper

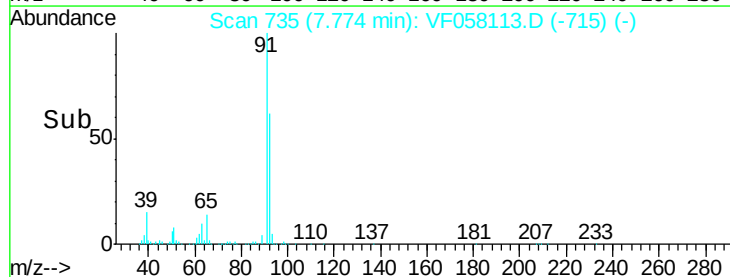
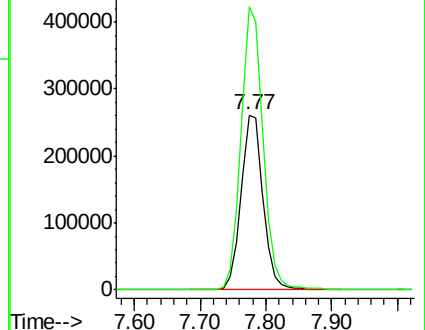
92 100

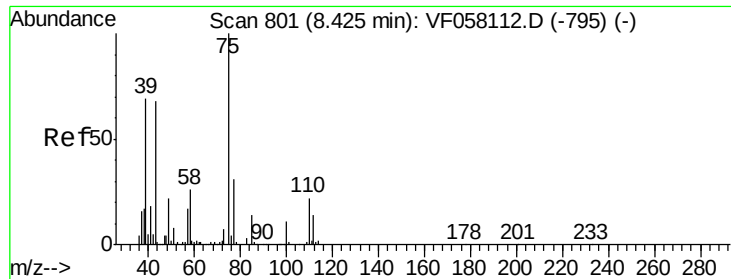
91 161.7 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 64.29 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

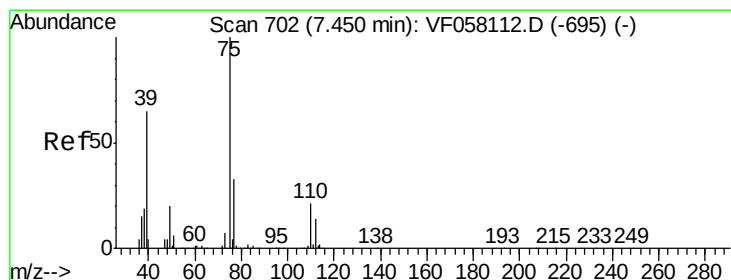
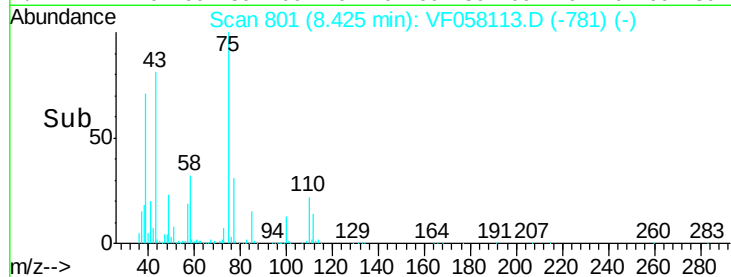
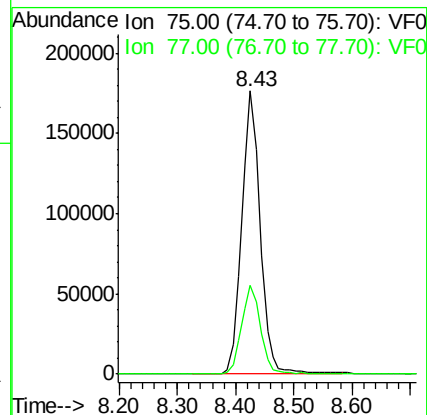
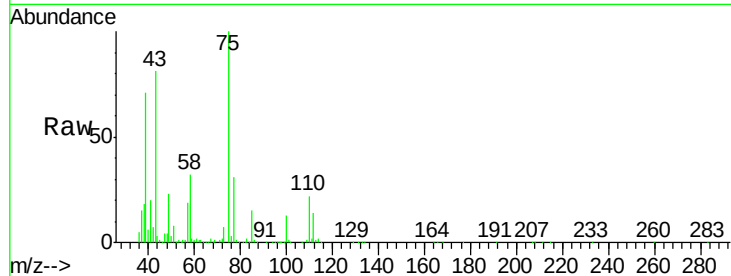
VSTDIC075

Tgt Ion: 75 Resp: 388452

Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 68.30 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

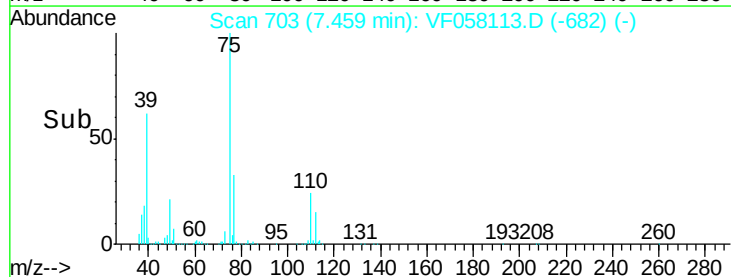
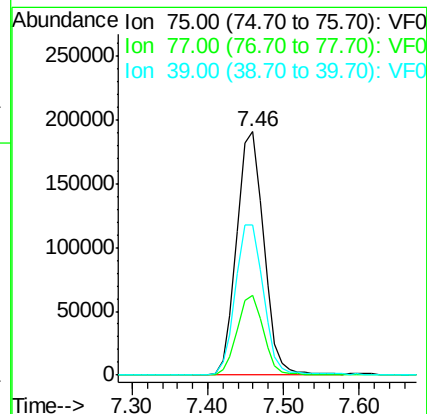
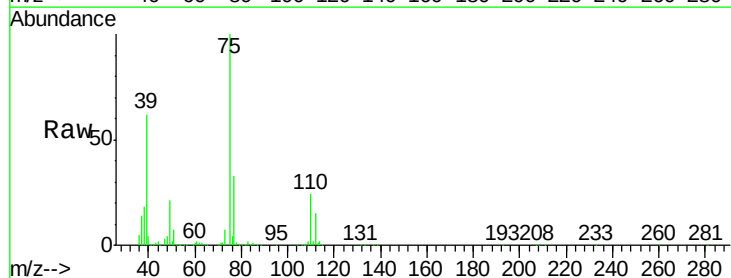
Tgt Ion: 75 Resp: 474123

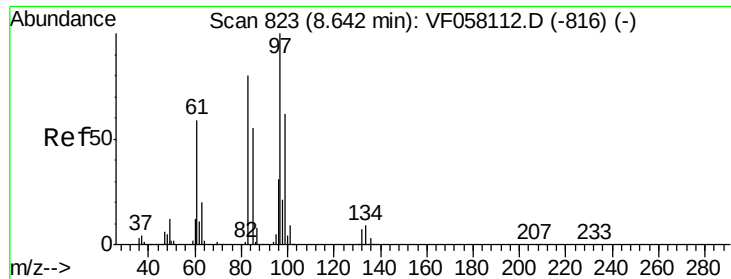
Ion Ratio Lower Upper

75 100

77 32.7 26.3 39.5

39 61.9 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 64.21 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 216495

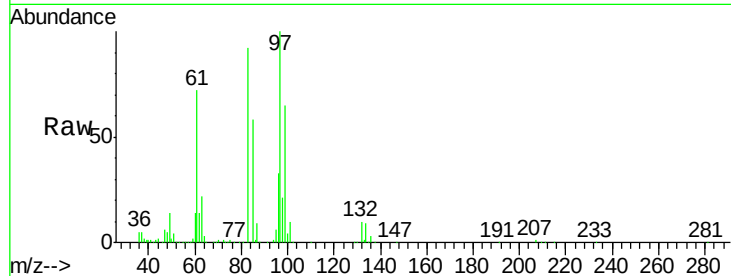
Ion Ratio Lower Upper

97 100

83 91.9 64.3 96.5

85 57.7 43.8 65.8

99 65.1 49.8 74.8

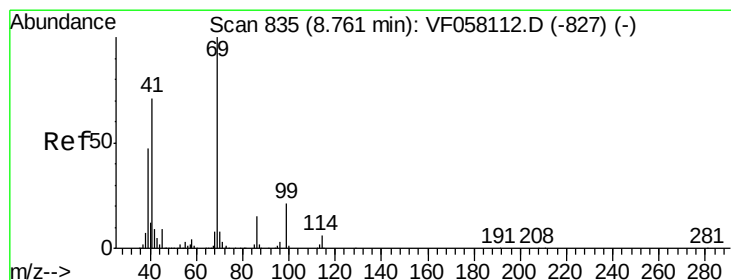
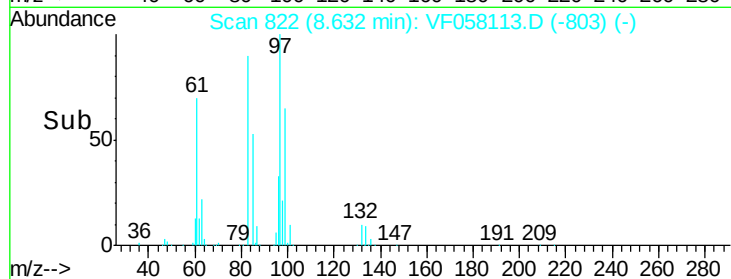
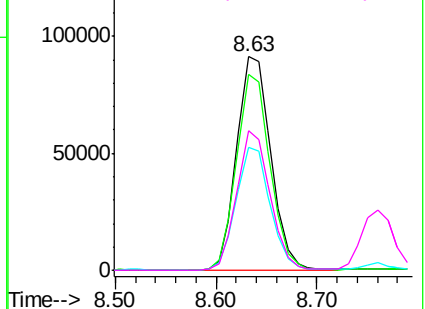


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 65.67 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

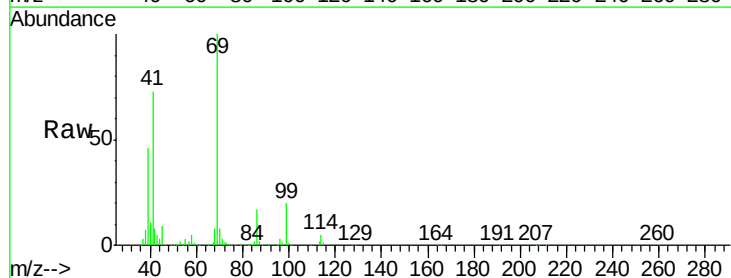
Tgt Ion: 69 Resp: 280037

Ion Ratio Lower Upper

69 100

41 72.9 56.9 85.3

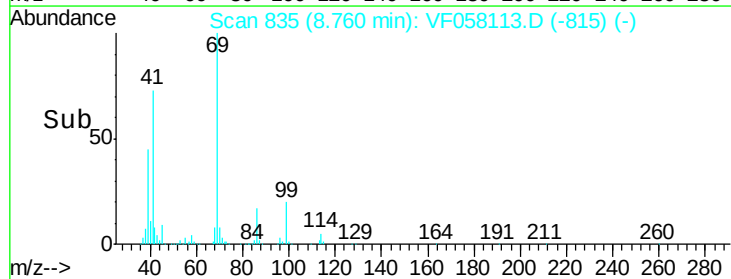
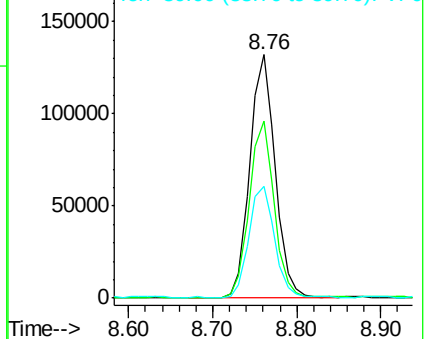
39 45.8 38.0 57.0

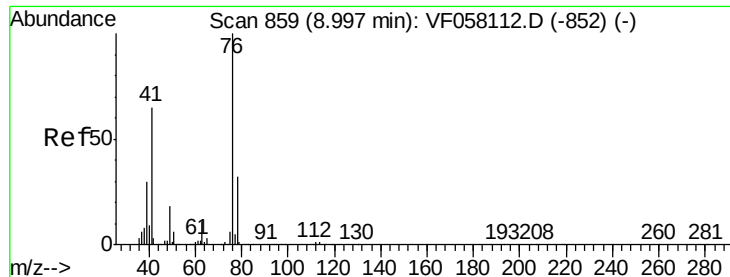


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

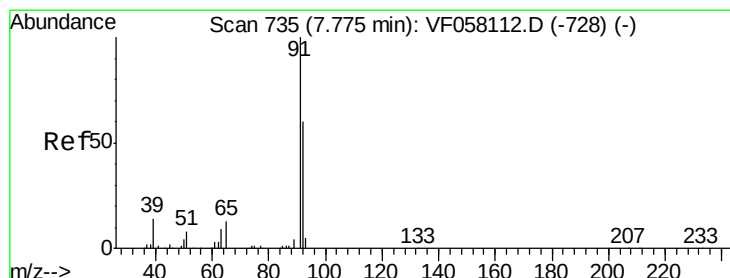
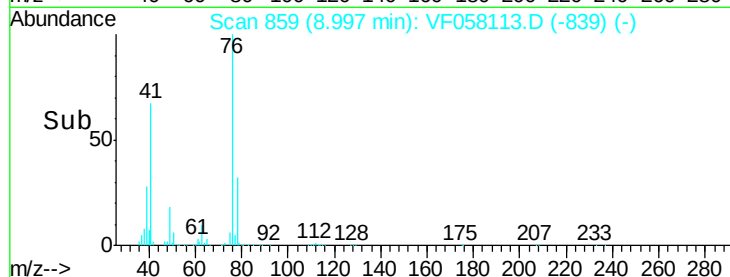
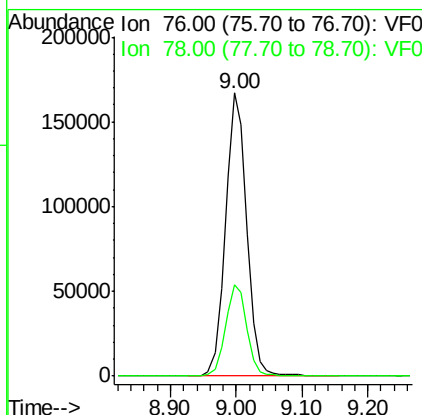
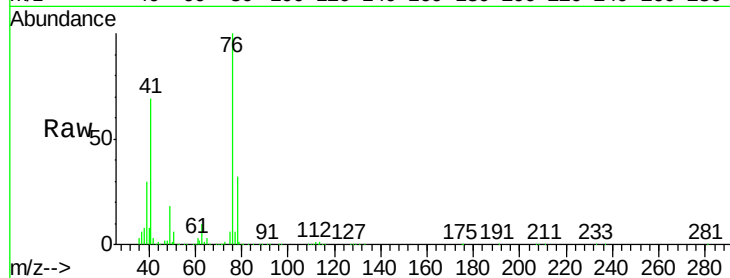




#57
 1,3-Dichloropropane
 Concen: 64.27 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VF058113.D
 Acq: 6 Jun 2018 18:09

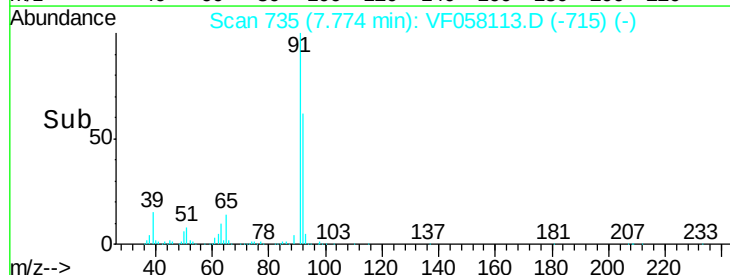
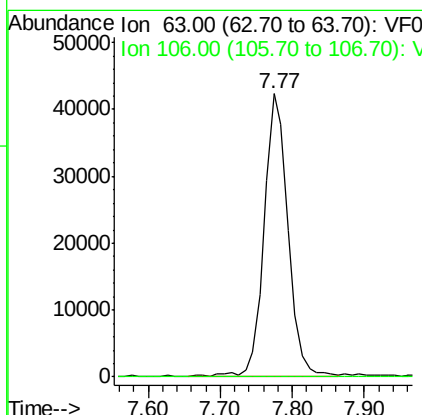
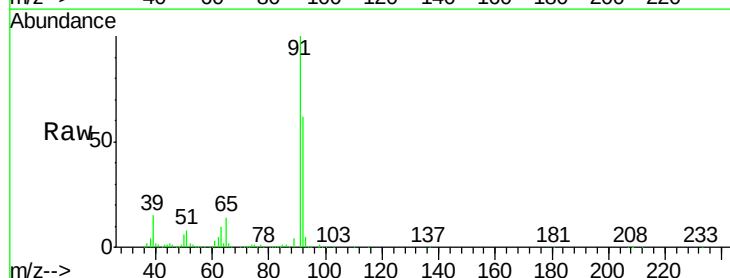
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

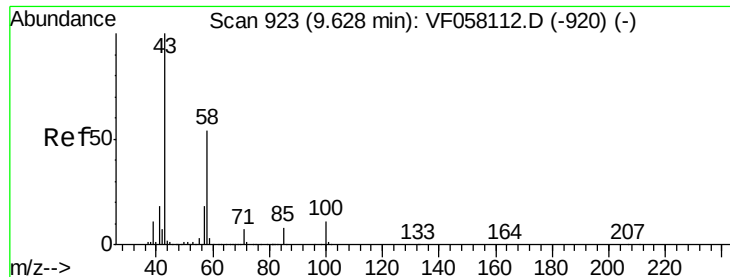
Tgt Ion: 76 Resp: 377299
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 333.92 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VF058113.D
 Acq: 6 Jun 2018 18:09

Tgt Ion: 63 Resp: 98436
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

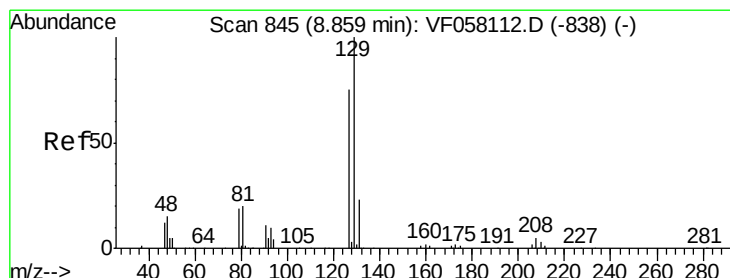
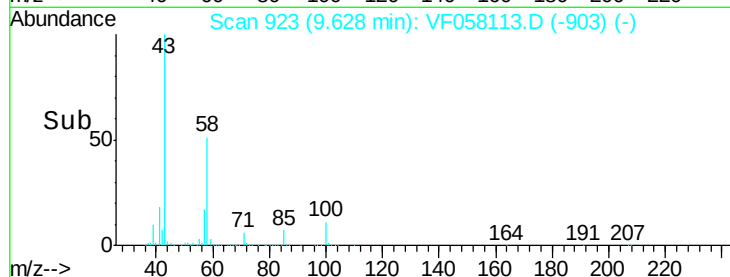
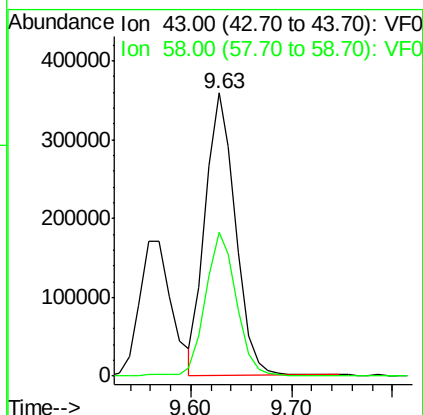
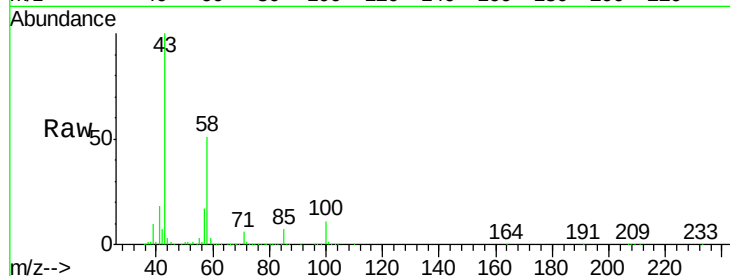




#59
2-Hexanone
Concen: 307.90 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

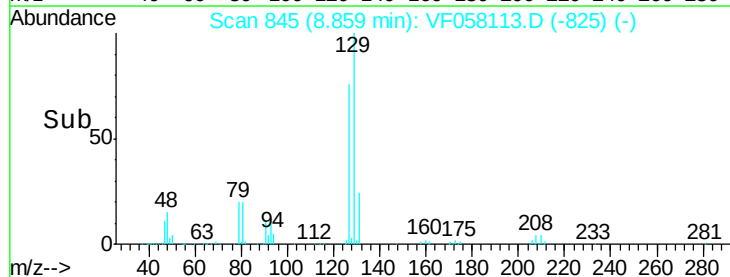
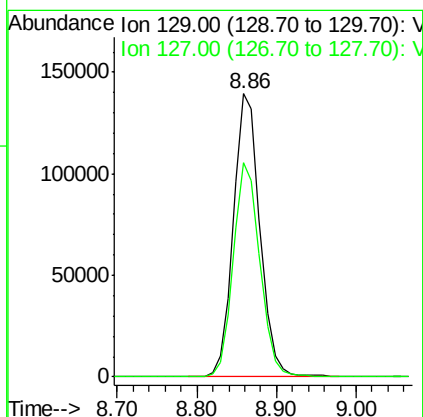
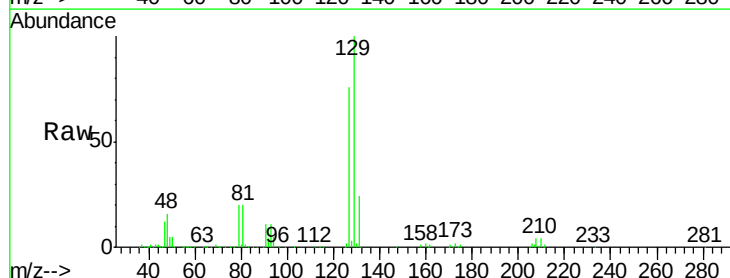
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

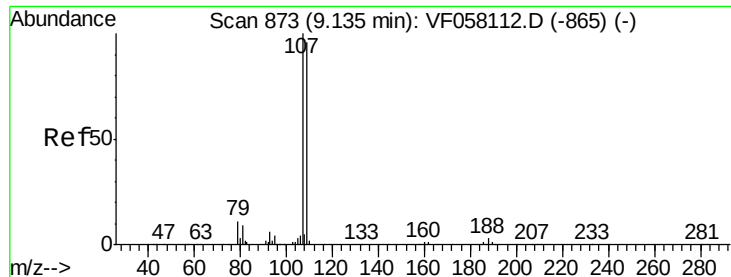
Tgt Ion: 43 Resp: 746426
Ion Ratio Lower Upper
43 100
58 50.9 26.3 78.8



#60
Dibromochloromethane
Concen: 67.64 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

Tgt Ion: 129 Resp: 324273
Ion Ratio Lower Upper
129 100
127 75.8 37.6 112.9





#61

1,2-Dibromoethane

Concen: 64.25 ug/l

RT: 9.13 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

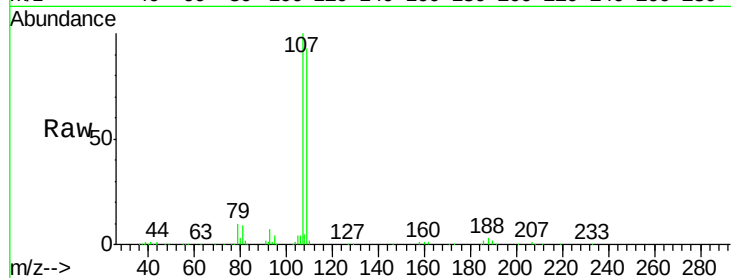
VSTDIC075

Tgt Ion: 107 Resp: 258462

Ion Ratio Lower Upper

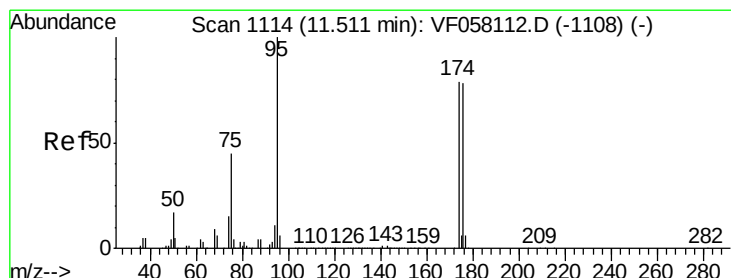
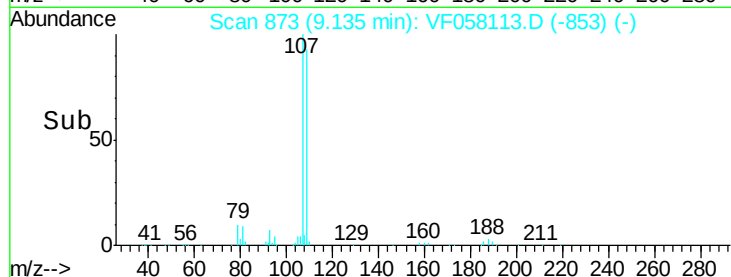
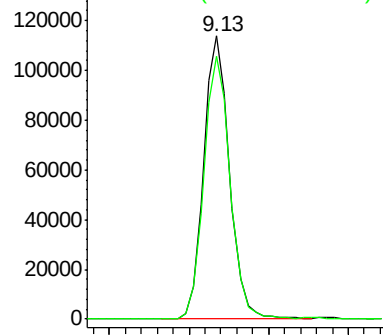
107 100

109 93.1 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 65.64 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

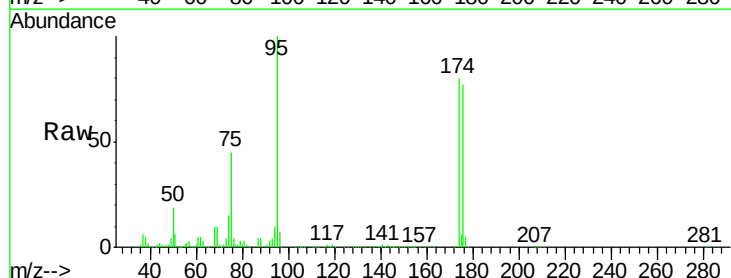
Tgt Ion: 95 Resp: 398155

Ion Ratio Lower Upper

95 100

174 79.7 0.0 157.8

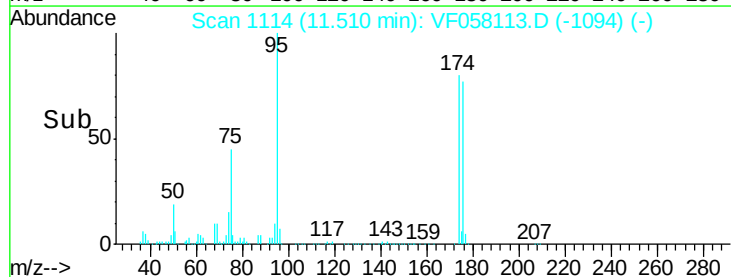
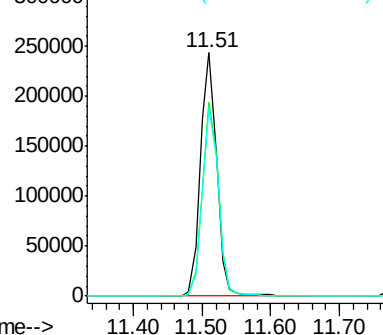
176 77.4 0.0 155.8

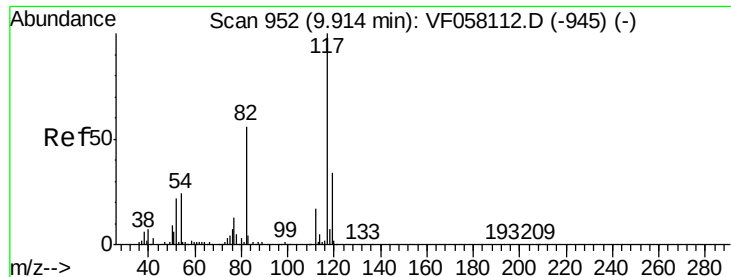


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

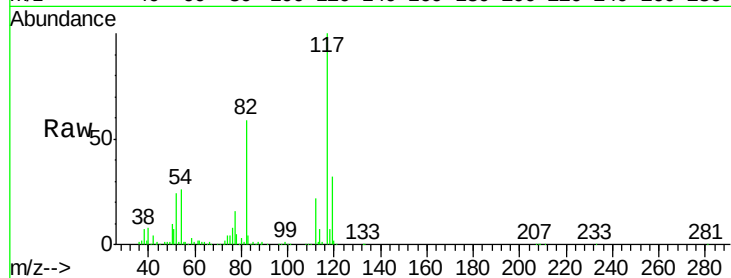




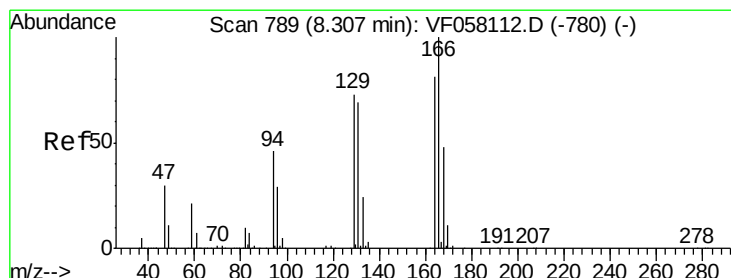
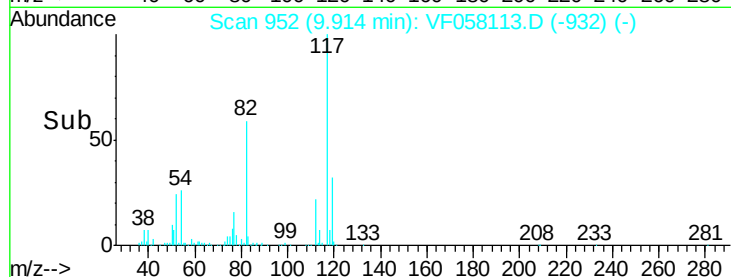
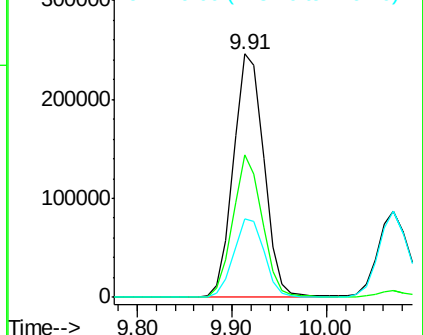
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 551865
Ion Ratio Lower Upper
117 100
82 58.7 45.2 67.8
119 32.2 27.5 41.3

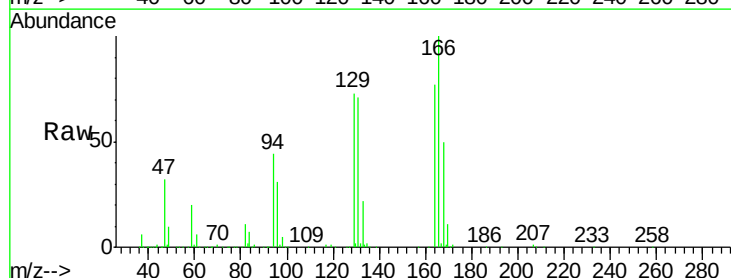


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

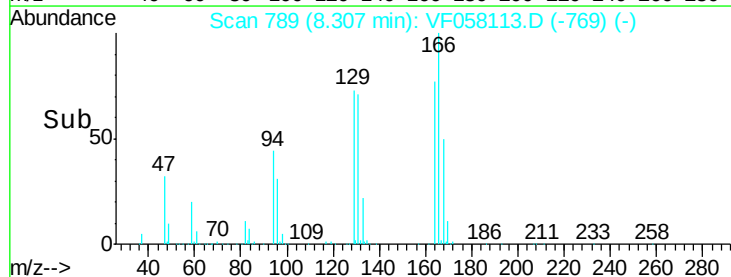
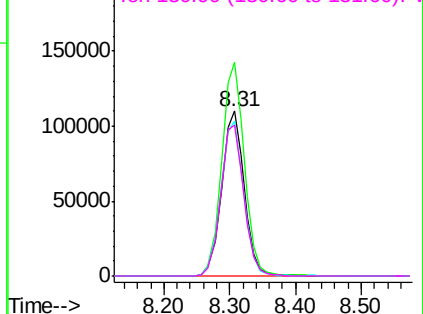


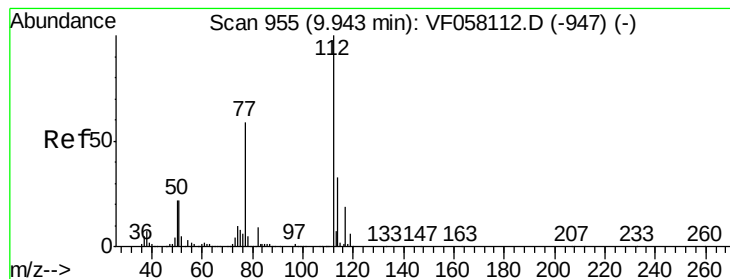
#64
Tetrachloroethene
Concen: 63.18 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

Tgt Ion:164 Resp: 263188
Ion Ratio Lower Upper
164 100
166 129.8 98.2 147.4
129 94.1 71.6 107.4
131 91.7 67.8 101.6



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





#65

Chlorobenzene

Concen: 67.34 ug/l

RT: 9.94 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

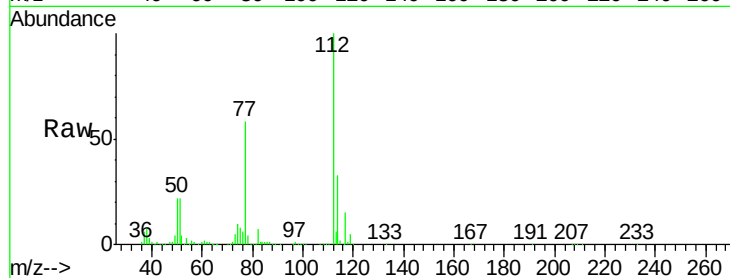
VSTDIC075

Tgt Ion:112 Resp: 752951

Ion Ratio Lower Upper

112 100

114 33.0 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.94

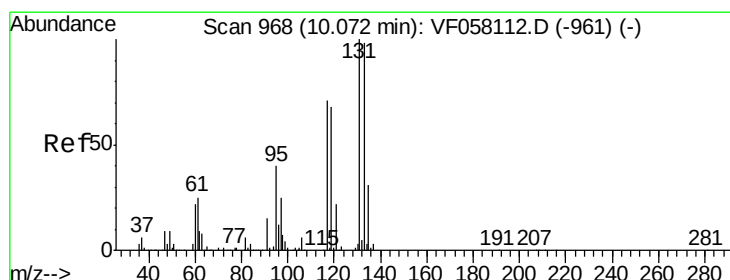
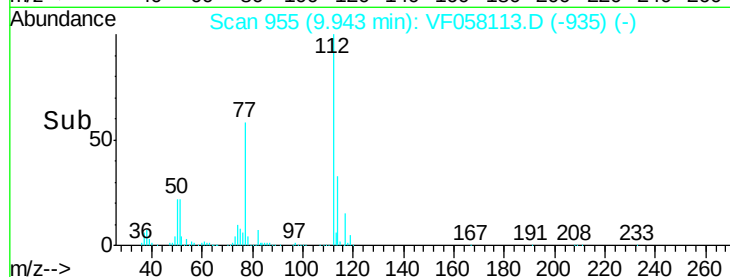
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 63.90 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

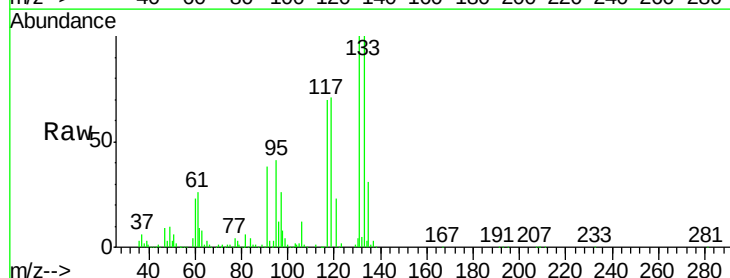
Tgt Ion:131 Resp: 279272

Ion Ratio Lower Upper

131 100

133 99.7 49.1 147.4

119 70.5 34.3 102.8



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

10.07

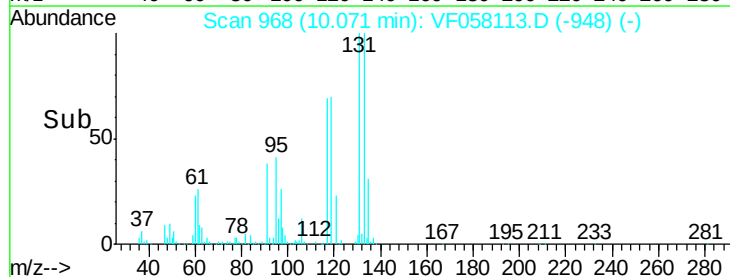
150000

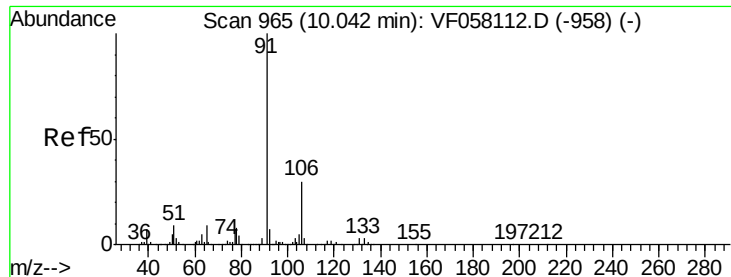
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 62.46 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

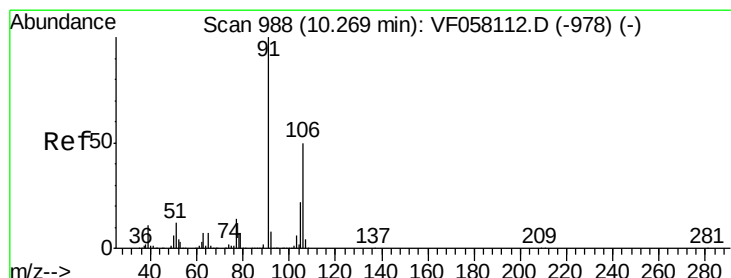
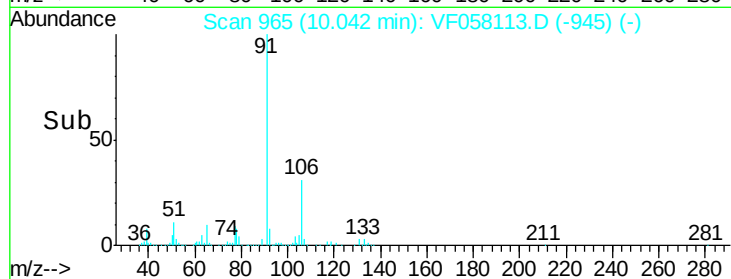
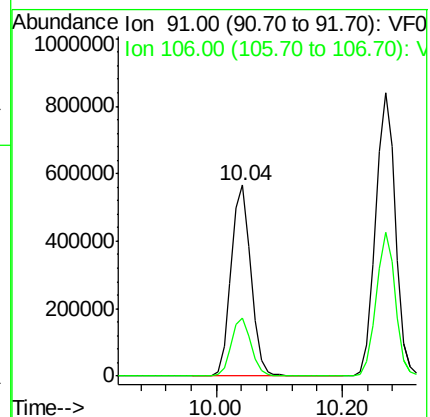
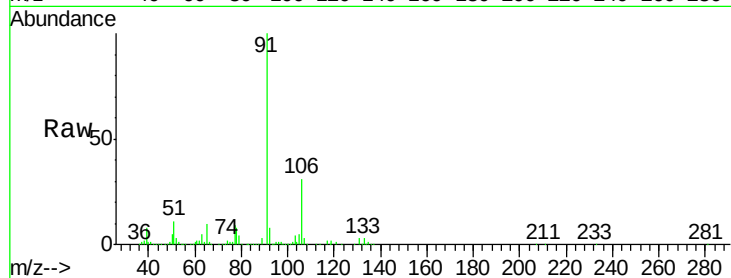
VSTDIC075

Tgt Ion: 91 Resp: 1227504

Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.4



#68

m/p-Xylenes

Concen: 123.98 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF058113.D

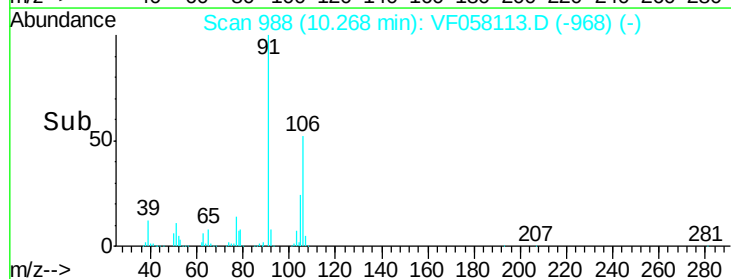
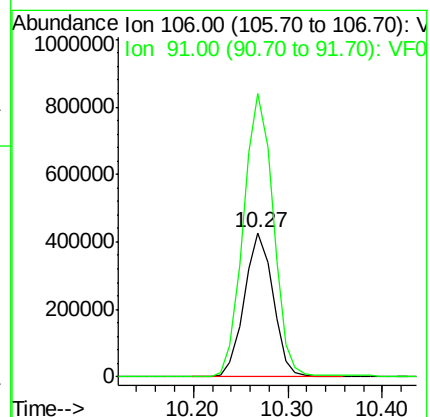
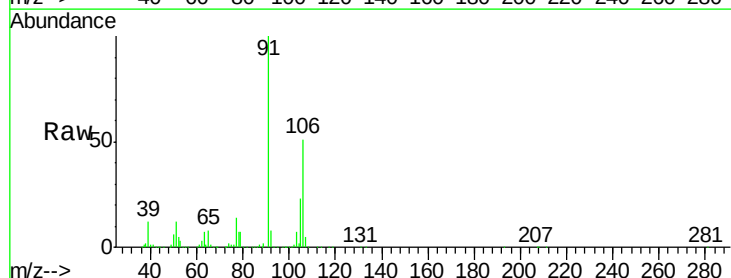
Acq: 6 Jun 2018 18:09

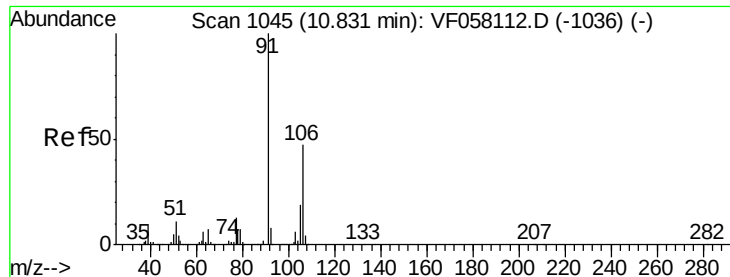
Tgt Ion: 106 Resp: 903324

Ion Ratio Lower Upper

106 100

91 195.9 160.7 241.1

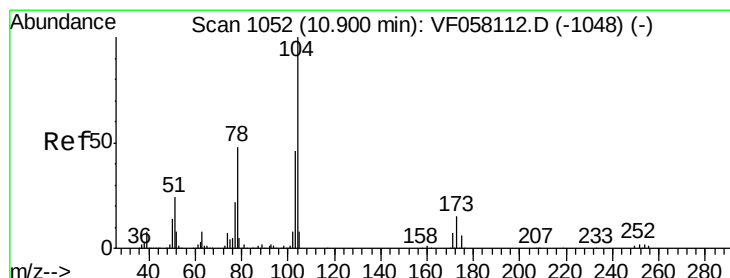
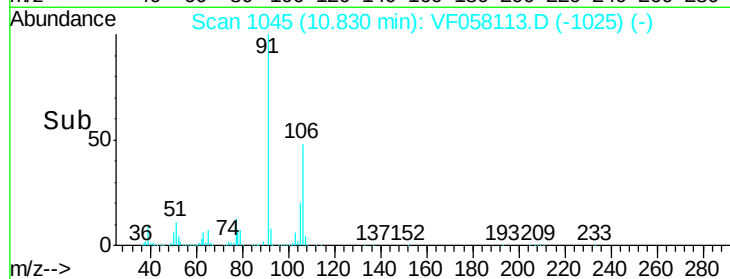
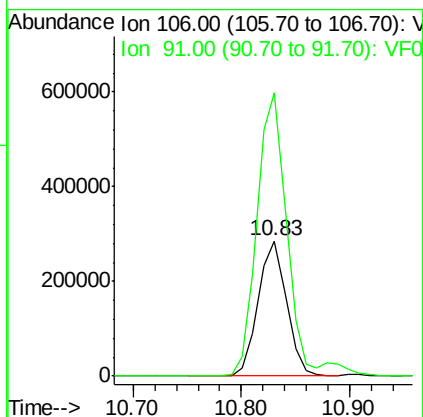
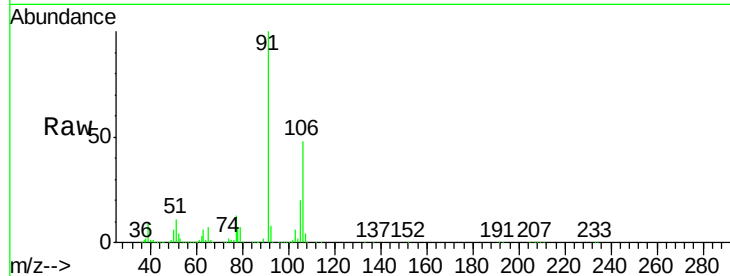




#69
o-Xylene
Concen: 66.28 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

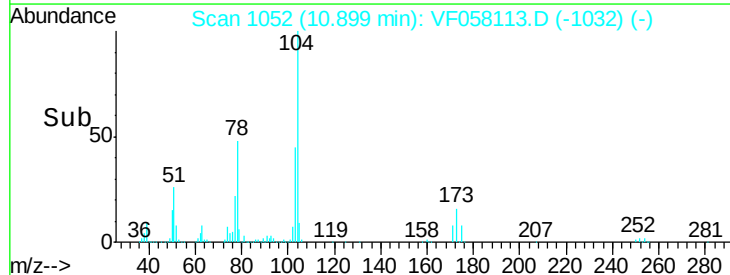
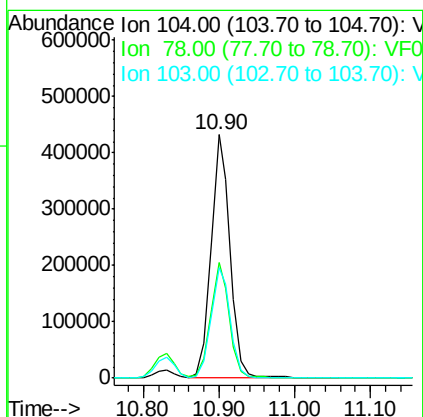
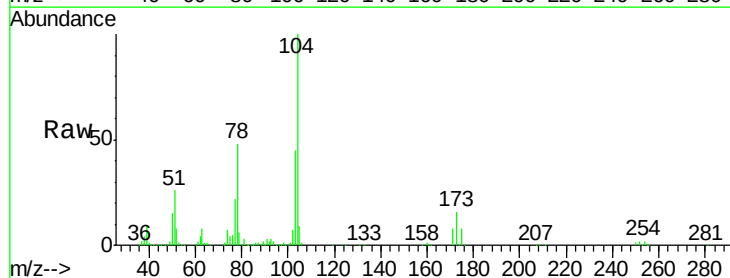
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

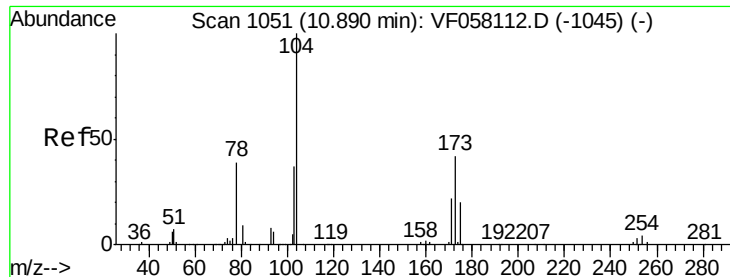
Tgt Ion:106 Resp: 525961
Ion Ratio Lower Upper
106 100
91 209.0 107.0 321.0



#70
Styrene
Concen: 64.08 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF058113.D
Acq: 6 Jun 2018 18:09

Tgt Ion:104 Resp: 762478
Ion Ratio Lower Upper
104 100
78 47.7 38.4 57.6
103 45.4 37.0 55.6





#71

Bromoform

Concen: 64.15 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

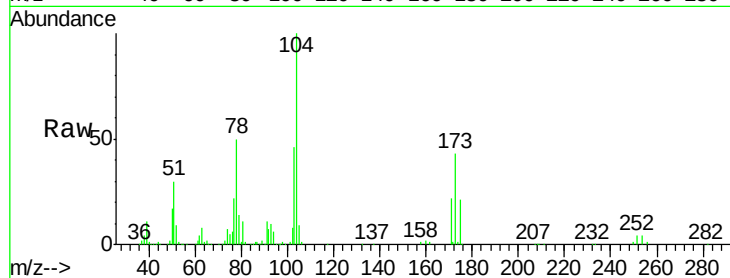
Tgt Ion:173 Resp: 192819

Ion Ratio Lower Upper

173 100

175 49.2 24.6 74.0

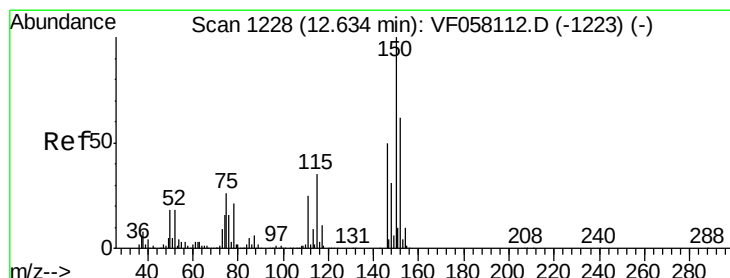
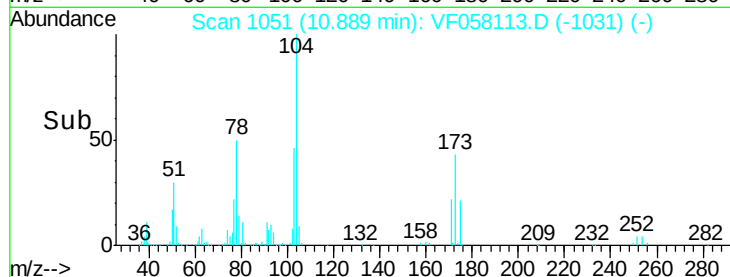
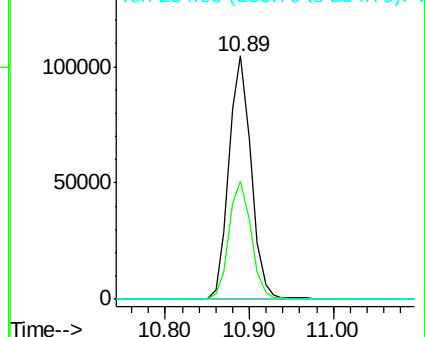
254 0.0 7.8 11.8#



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: 12.63 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

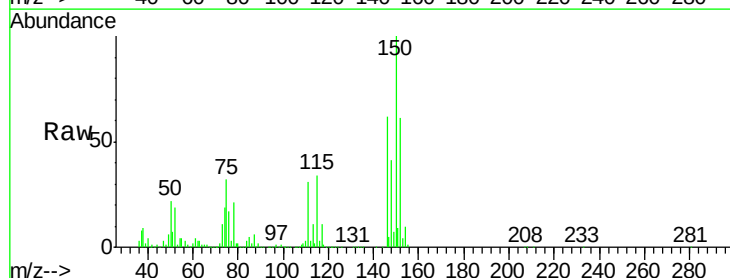
Tgt Ion:152 Resp: 303723

Ion Ratio Lower Upper

152 100

115 55.6 28.5 85.5

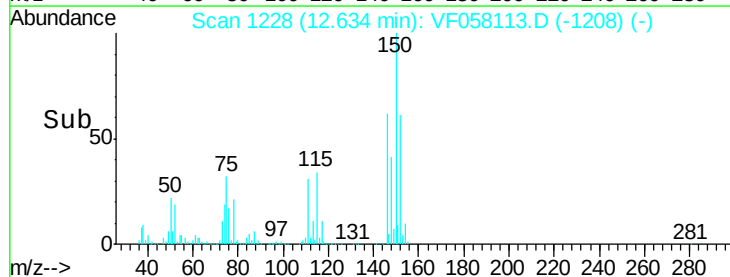
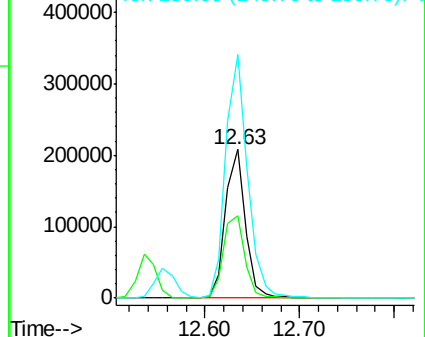
150 164.1 0.0 323.8

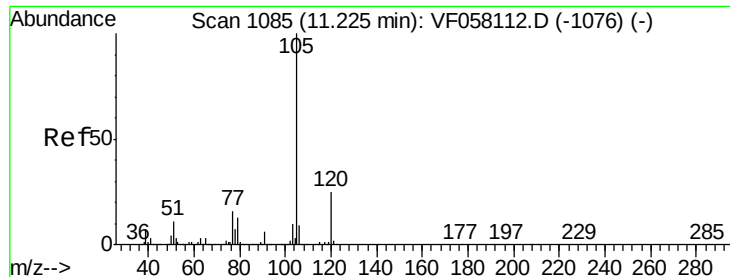


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 66.08 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

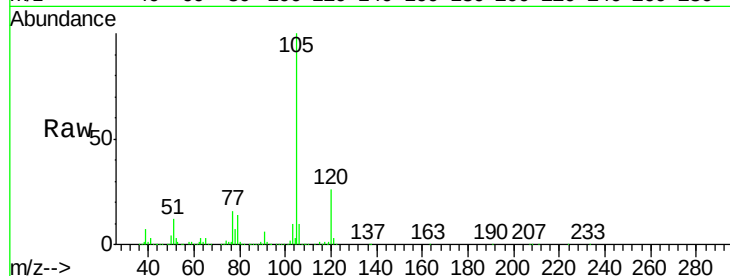
VSTDIC075

Tgt Ion:105 Resp: 1425326

Ion Ratio Lower Upper

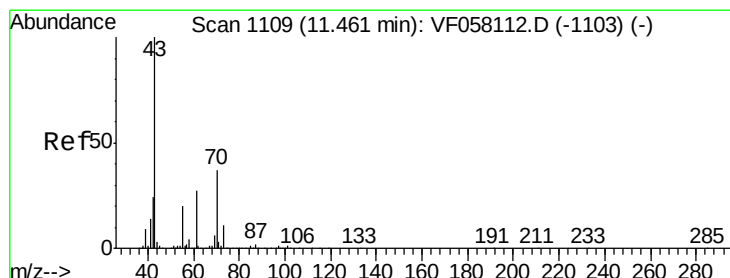
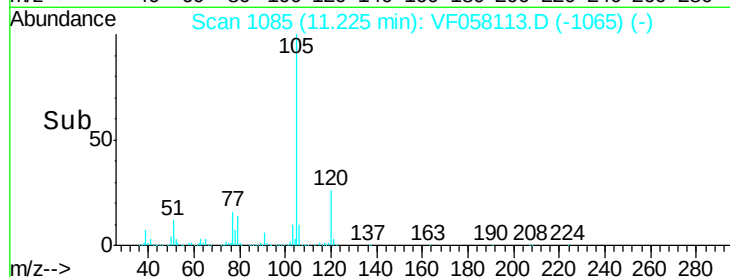
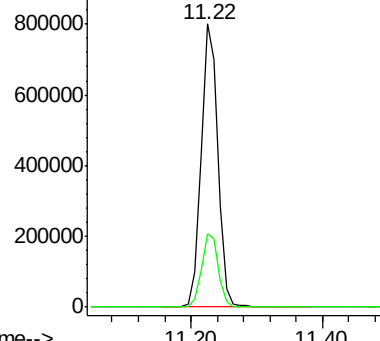
105 100

120 25.7 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 61.11 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Tgt Ion: 43 Resp: 491547

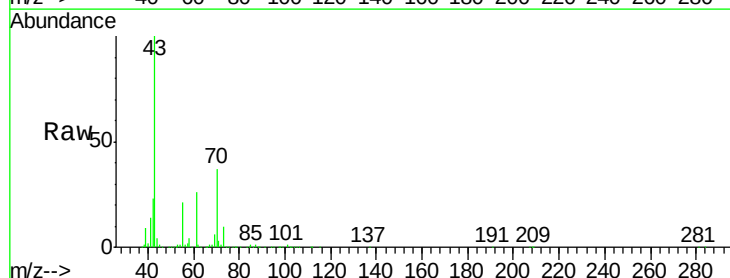
Ion Ratio Lower Upper

43 100

70 36.5 29.2 43.8

55 21.1 15.8 23.6

61 26.3 21.3 31.9

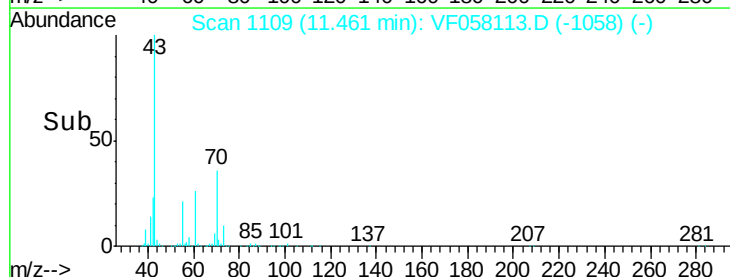
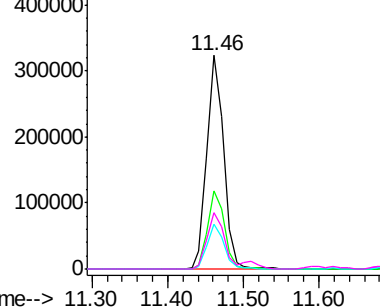


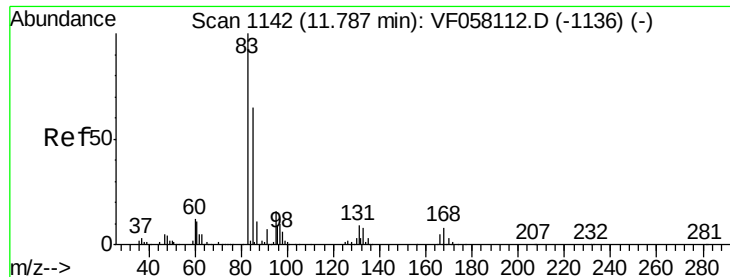
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 62.38 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

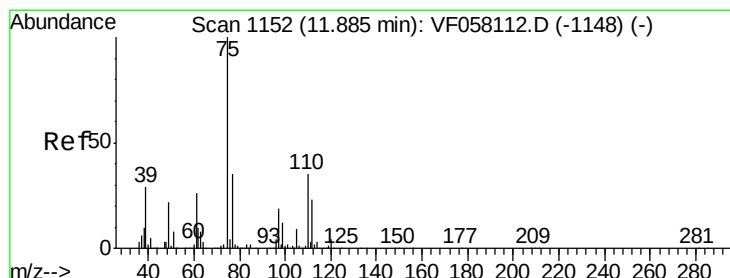
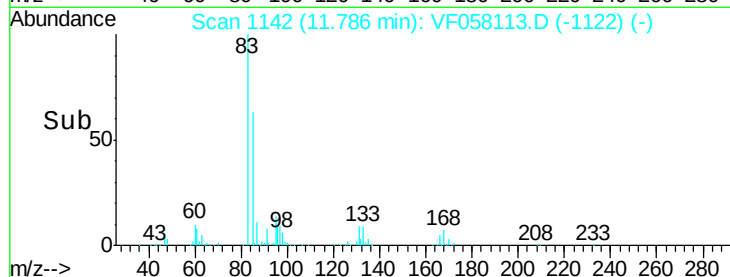
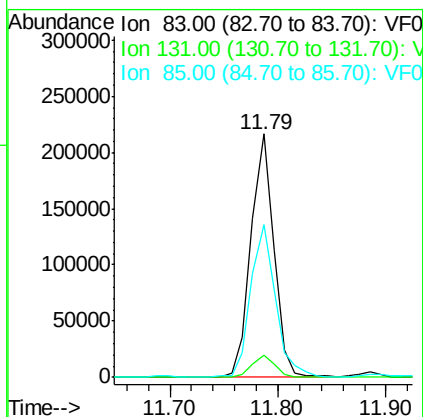
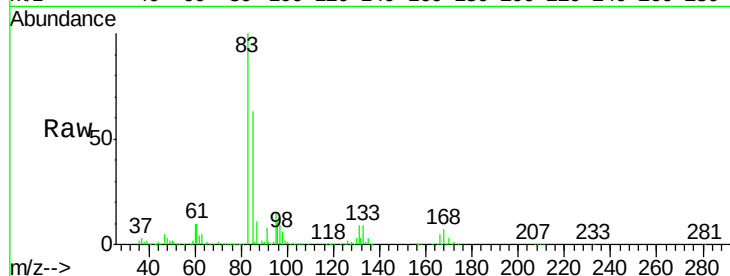
Tgt Ion: 83 Resp: 322284

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

85 62.5 32.8 98.3



#76

1,2,3-Trichloropropane

Concen: 61.42 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF058113.D

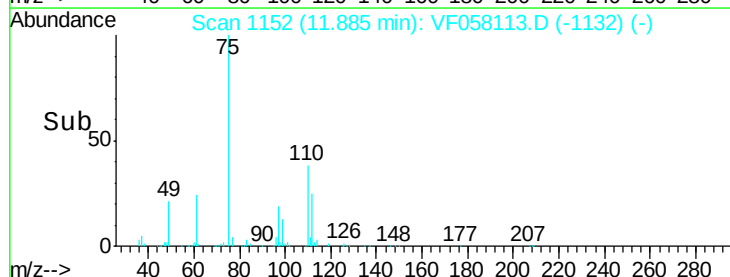
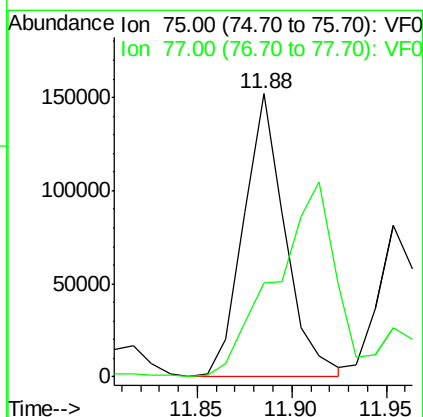
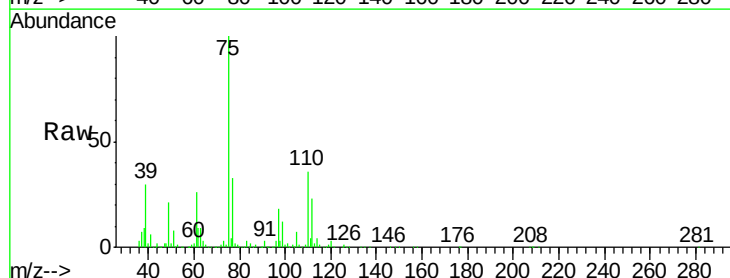
Acq: 6 Jun 2018 18:09

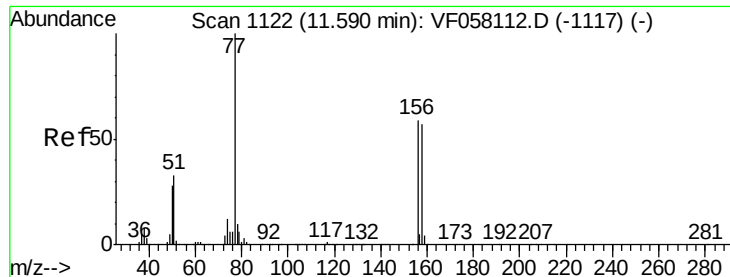
Tgt Ion: 75 Resp: 231564

Ion Ratio Lower Upper

75 100

77 33.0 17.5 52.5





#77

Bromobenzene

Concen: 64.81 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

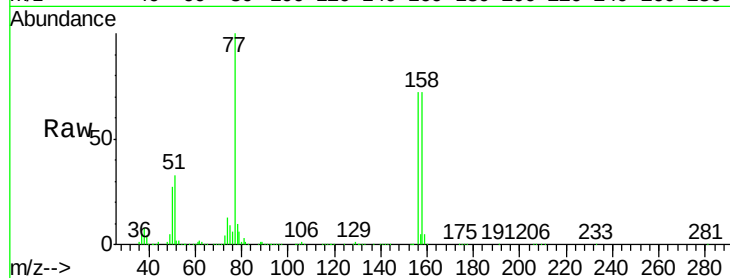
Tgt Ion:156 Resp: 348352

Ion Ratio Lower Upper

156 100

77 139.5 84.8 254.4

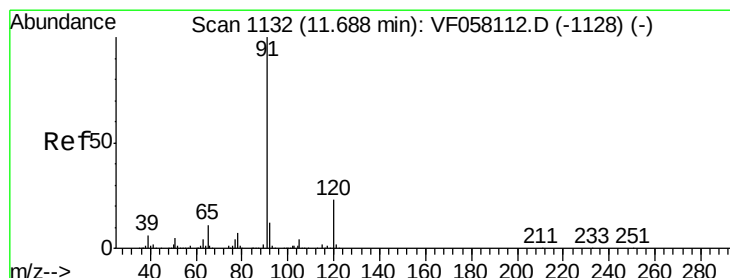
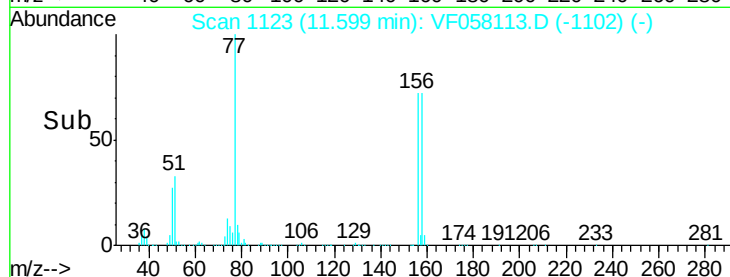
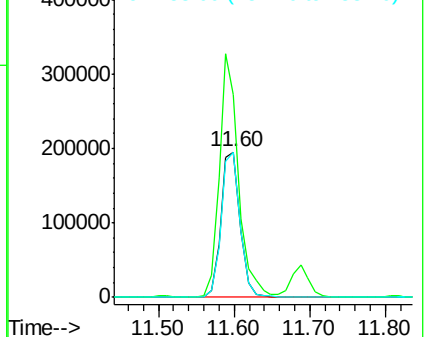
158 100.4 47.9 143.7



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: 64.55 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF058113.D

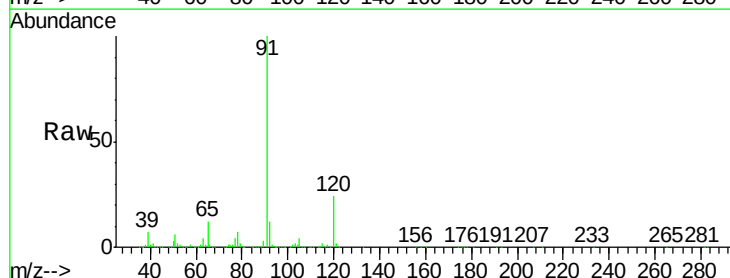
Acq: 6 Jun 2018 18:09

Tgt Ion: 91 Resp: 1663520

Ion Ratio Lower Upper

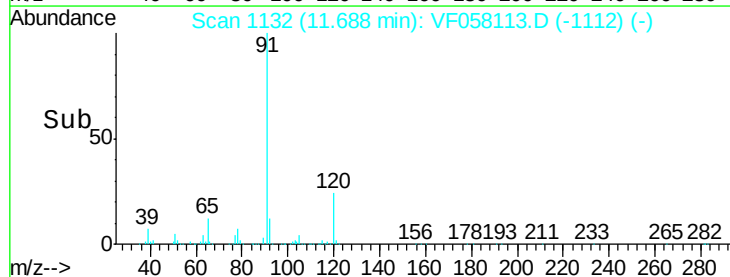
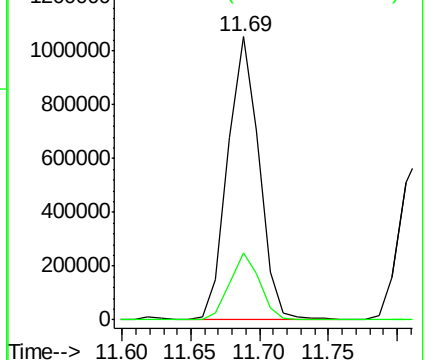
91 100

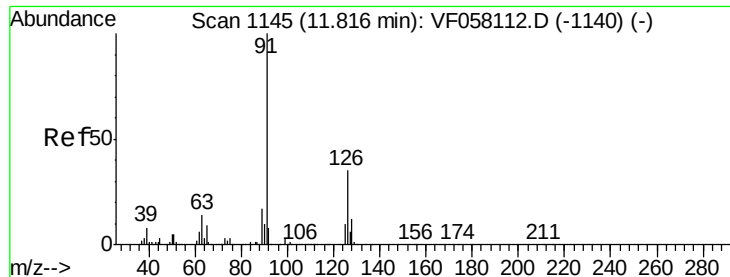
120 23.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 63.62 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

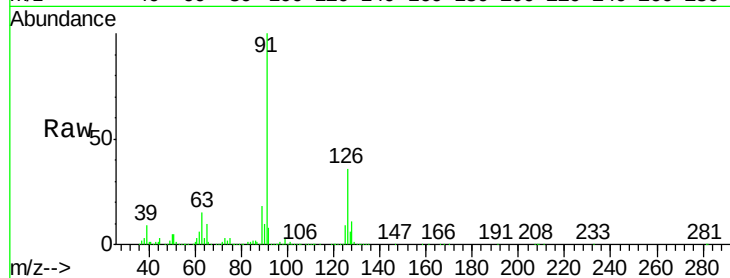
VSTDIC075

Tgt Ion: 91 Resp: 968613

Ion Ratio Lower Upper

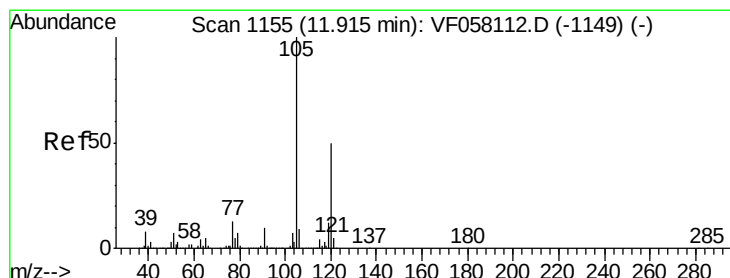
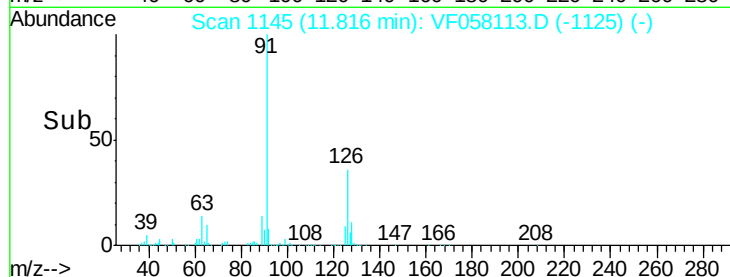
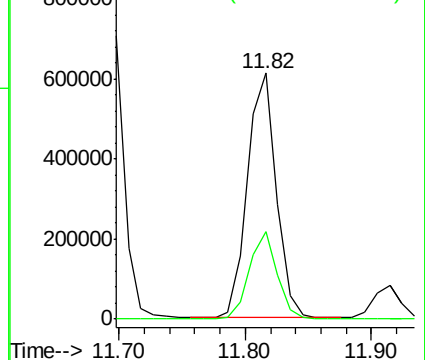
91 100

126 35.7 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 66.06 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF058113.D

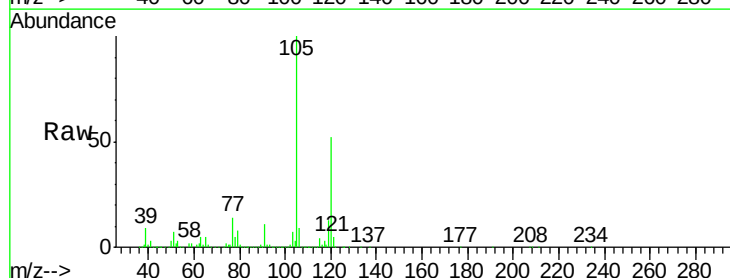
Acq: 6 Jun 2018 18:09

Tgt Ion: 105 Resp: 1181252

Ion Ratio Lower Upper

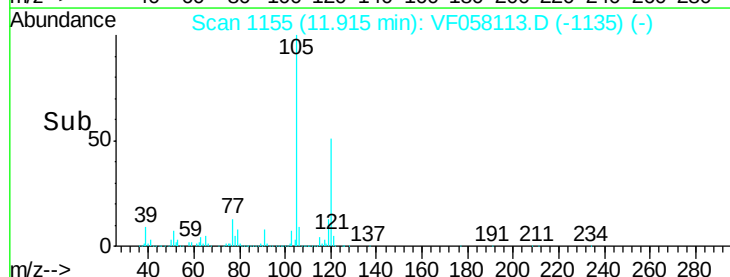
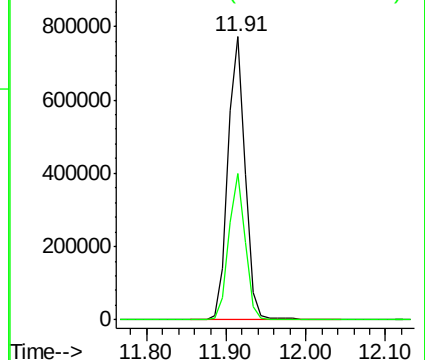
105 100

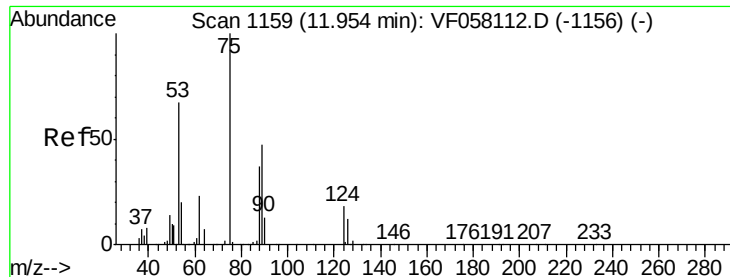
120 51.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 64.25 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

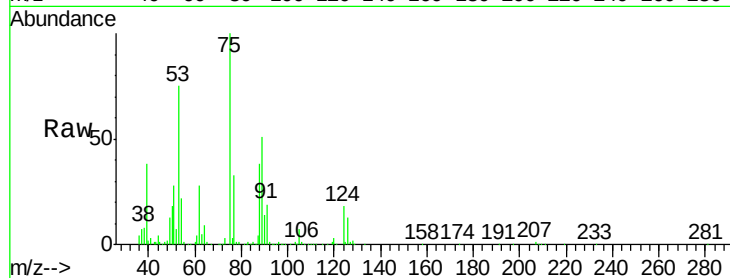
Tgt Ion: 75 Resp: 153405

Ion Ratio Lower Upper

75 100

53 74.8 58.7 88.1

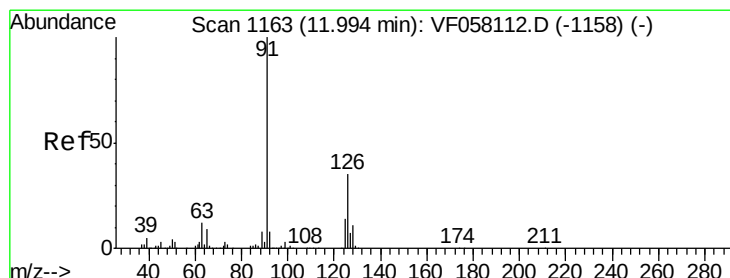
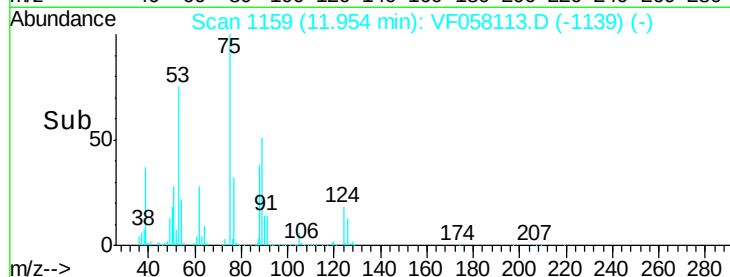
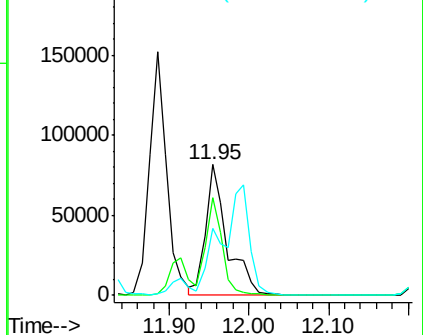
89 51.3 39.8 59.6



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: 65.88 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VF058113.D

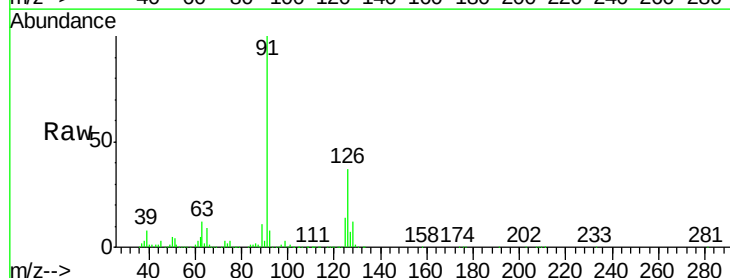
Acq: 6 Jun 2018 18:09

Tgt Ion: 91 Resp: 1057718

Ion Ratio Lower Upper

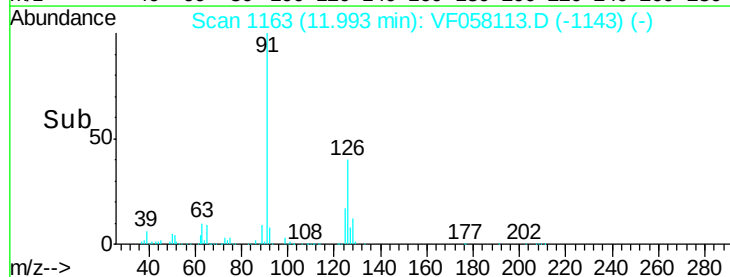
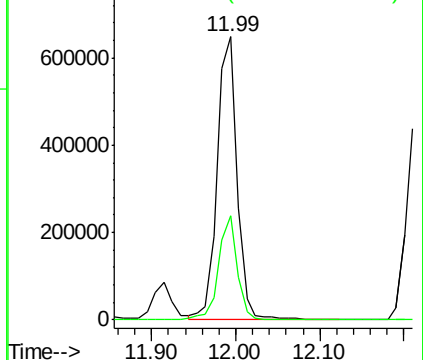
91 100

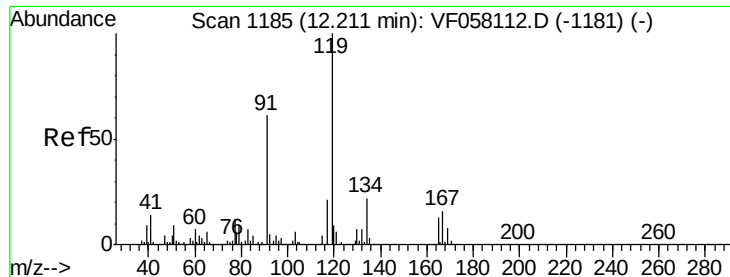
126 36.6 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 66.74 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

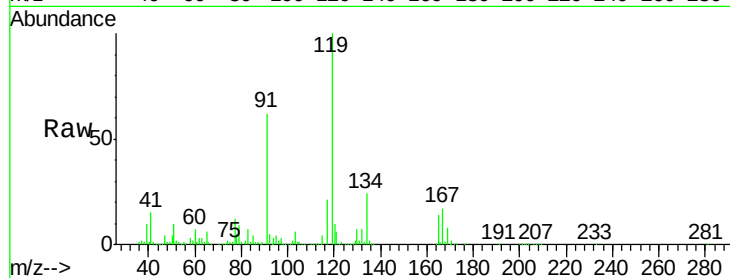
Tgt Ion:119 Resp: 1193518

Ion Ratio Lower Upper

119 100

91 61.9 30.4 91.3

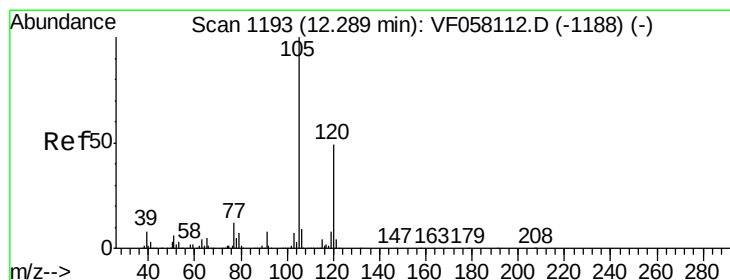
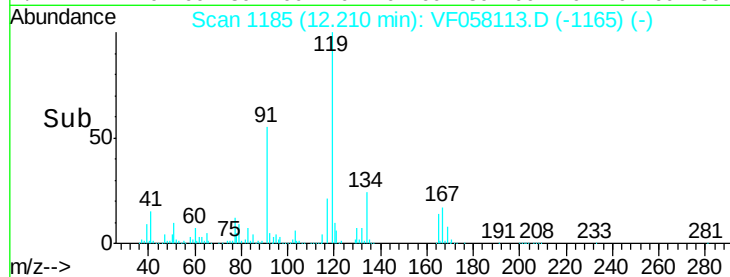
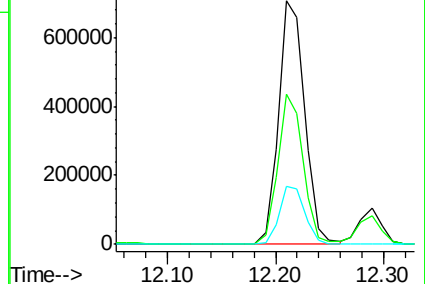
134 23.6 11.2 33.5



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: 65.13 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VF058113.D

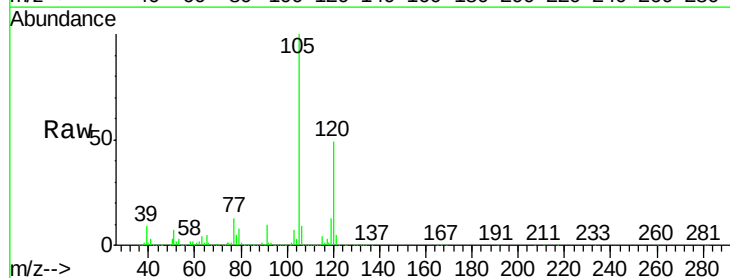
Acq: 6 Jun 2018 18:09

Tgt Ion:105 Resp: 1208152

Ion Ratio Lower Upper

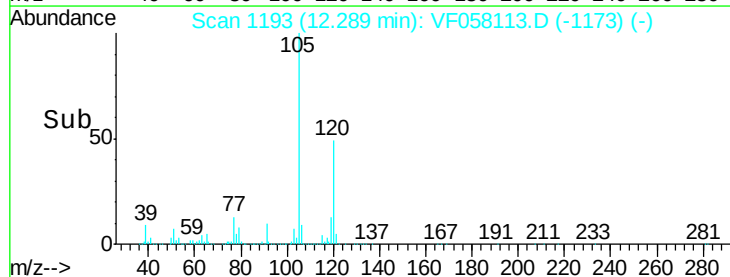
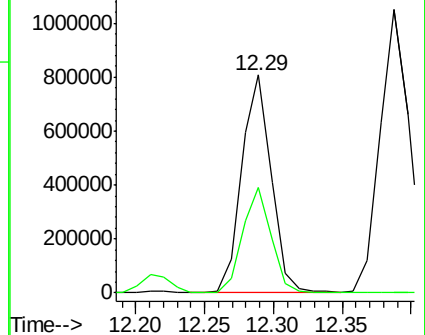
105 100

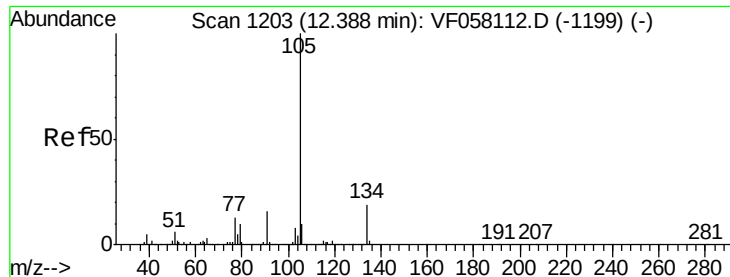
120 48.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 64.83 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

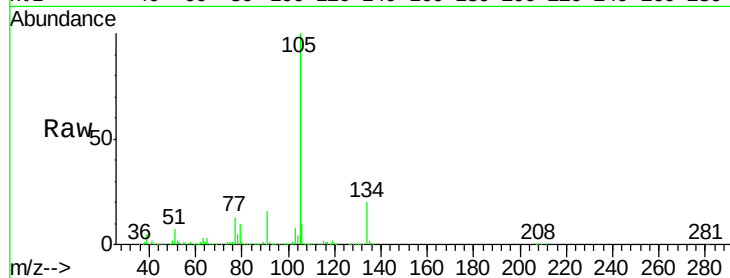
VSTDIC075

Tgt Ion:105 Resp: 1570427

Ion Ratio Lower Upper

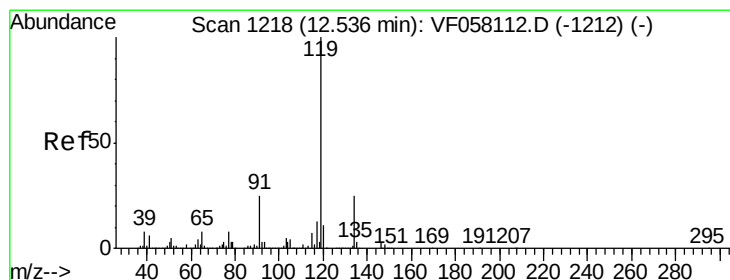
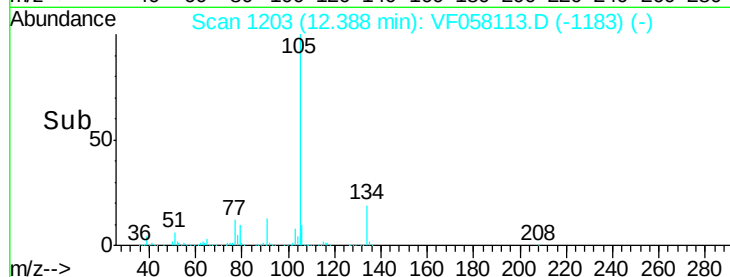
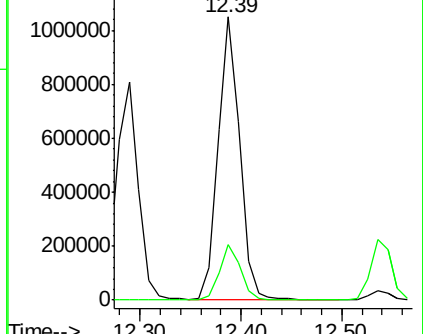
105 100

134 19.7 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 62.78 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

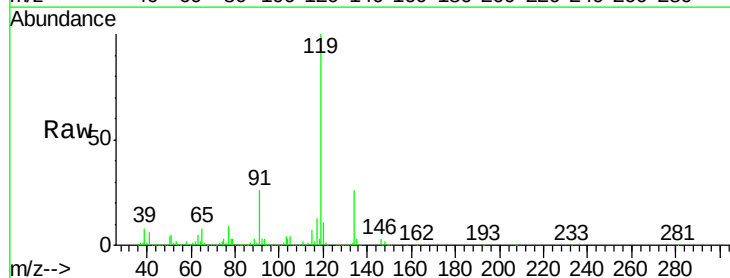
Tgt Ion:119 Resp: 1267727

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

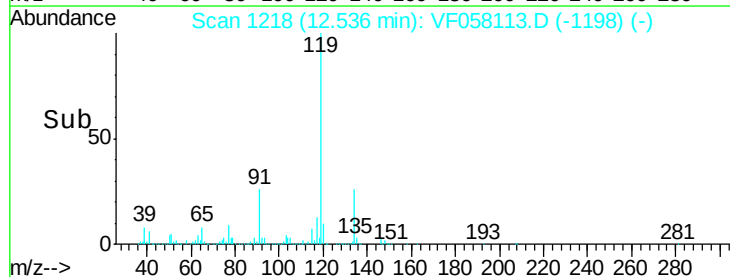
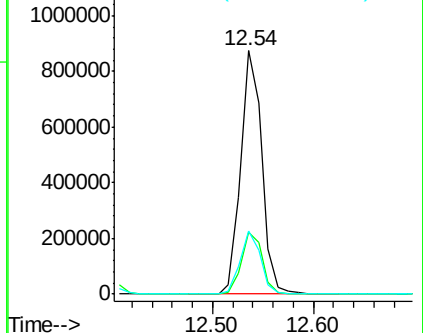
91 25.9 12.6 37.6

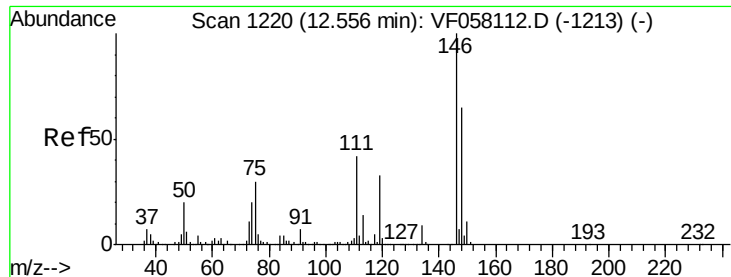


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

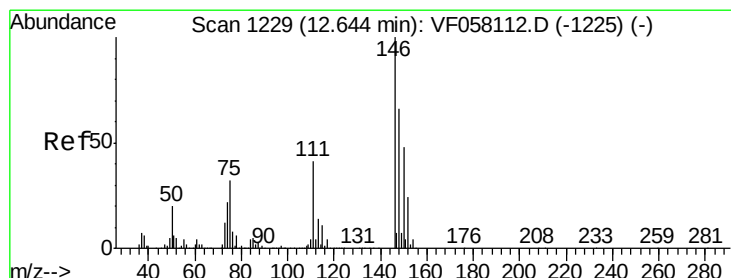
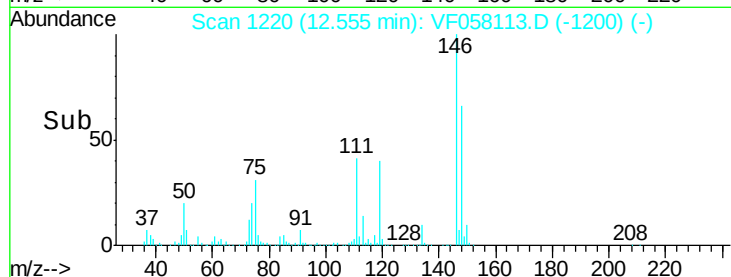
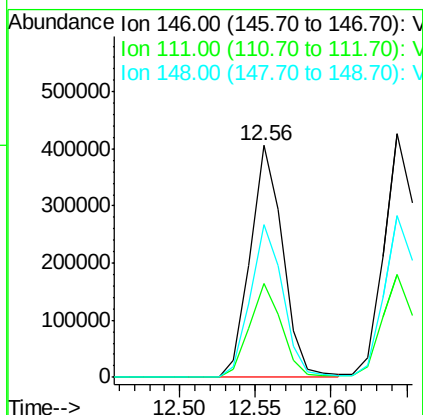
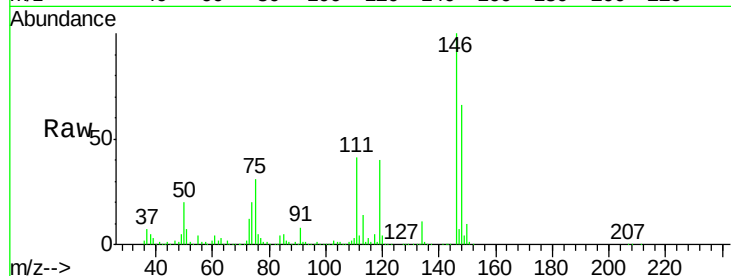




#87
 1,3-Dichlorobenzene
 Concen: 61.90 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF058113.D
 Acq: 6 Jun 2018 18:09

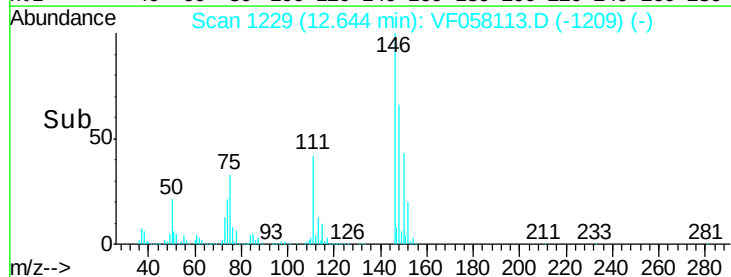
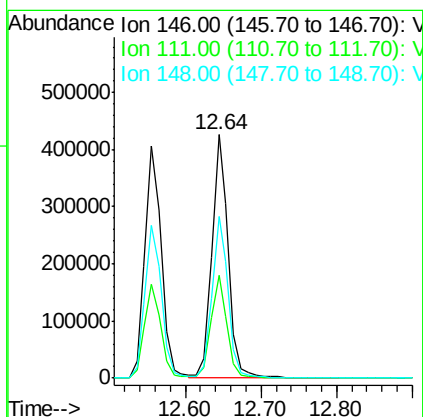
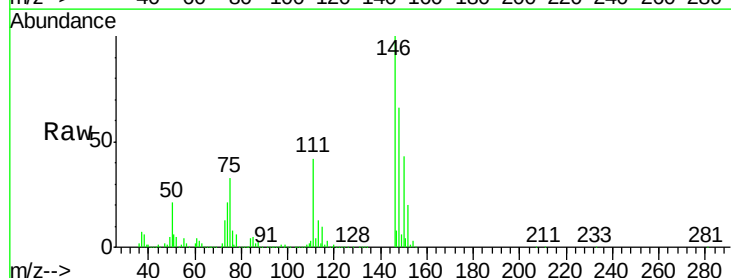
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

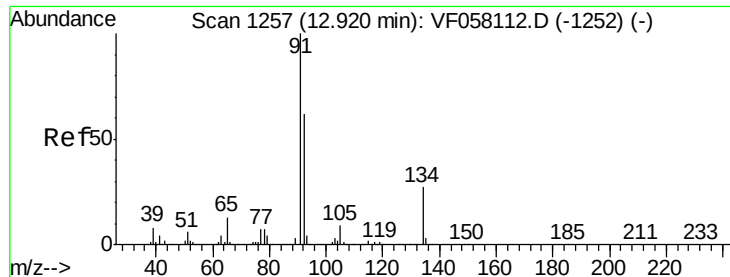
Tgt Ion:146 Resp: 613293
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.8 62.5
 148 65.8 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 67.97 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF058113.D
 Acq: 6 Jun 2018 18:09

Tgt Ion:146 Resp: 646597
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.4 61.2
 148 66.4 33.0 99.0





#89

n-Butylbenzene

Concen: 62.86 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

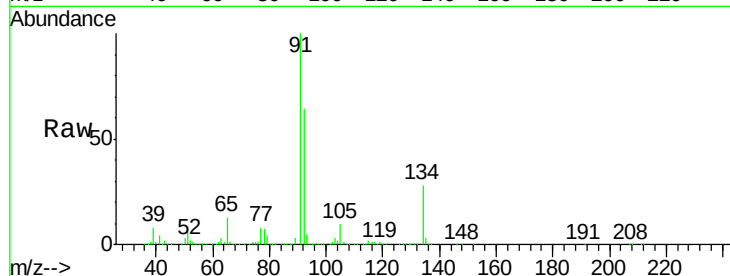
Tgt Ion: 91 Resp: 1323094

Ion Ratio Lower Upper

91 100

92 63.9 31.1 93.5

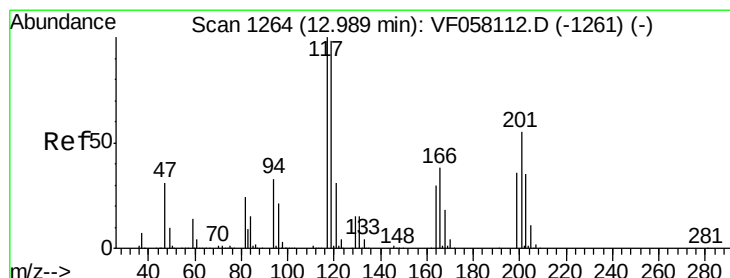
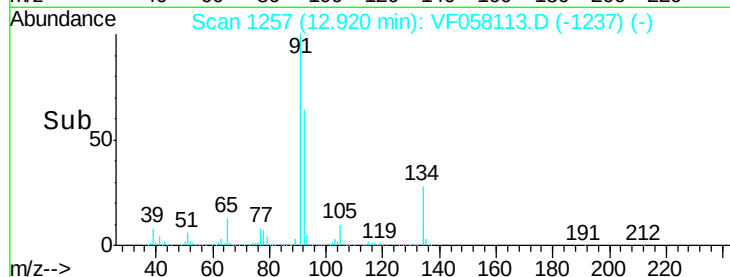
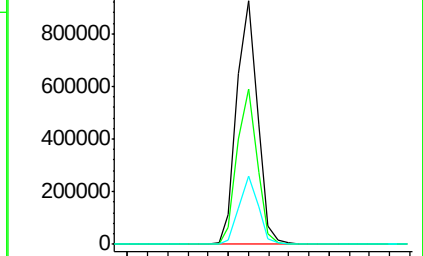
134 27.9 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 68.90 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF058113.D

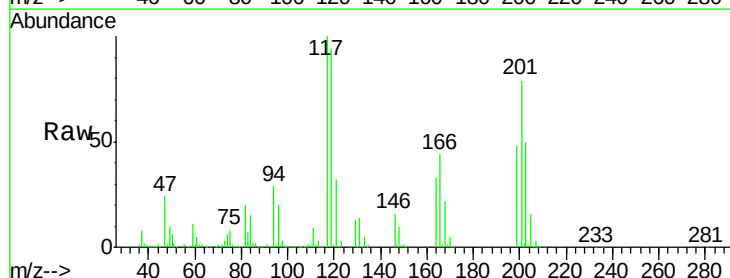
Acq: 6 Jun 2018 18:09

Tgt Ion: 117 Resp: 335582

Ion Ratio Lower Upper

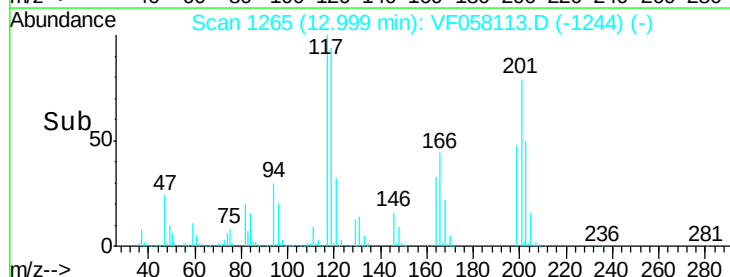
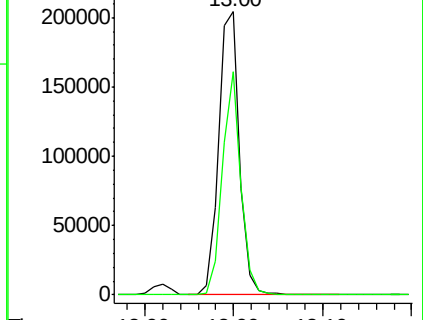
117 100

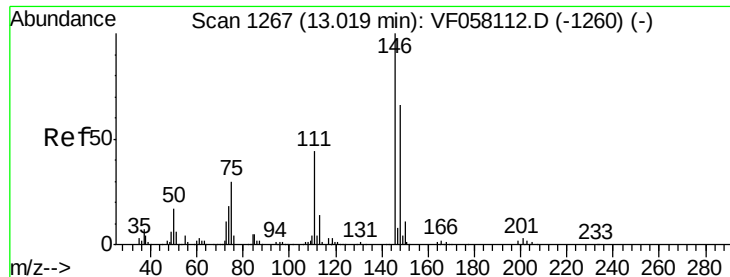
201 78.8 27.5 82.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

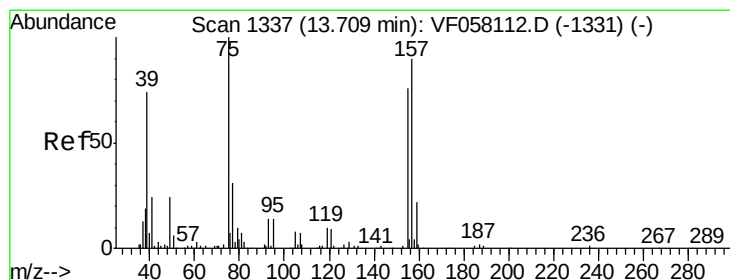
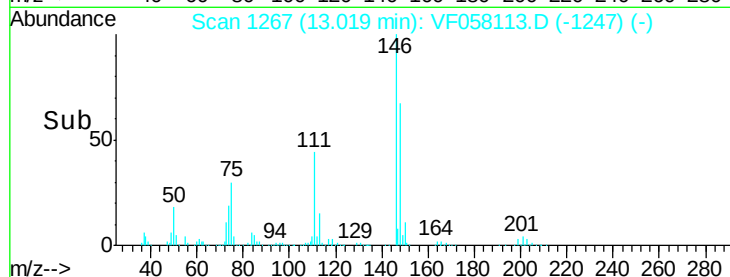
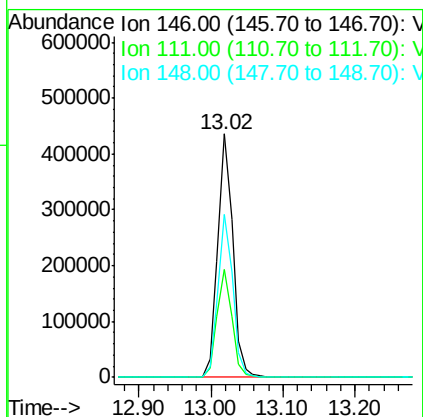
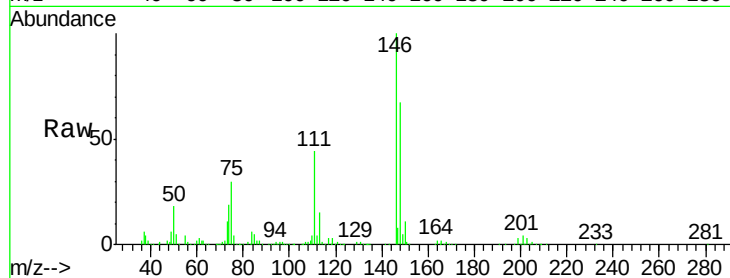




#91
 1,2-Dichlorobenzene
 Concen: 64.78 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF058113.D
 Acq: 6 Jun 2018 18:09

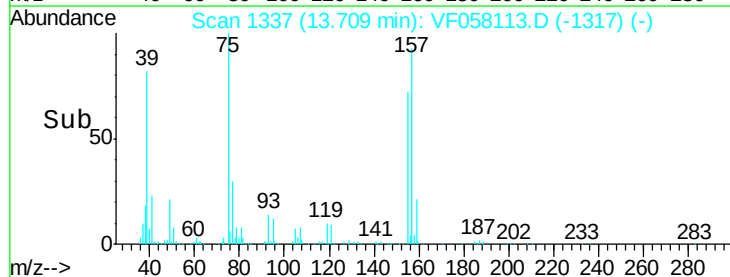
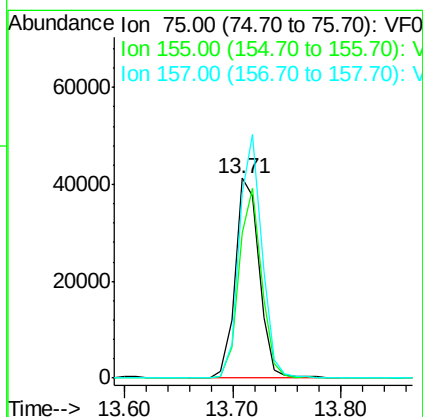
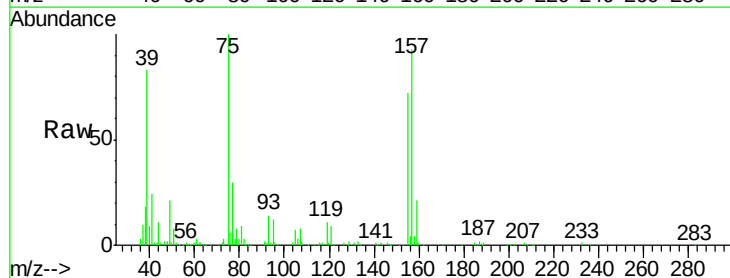
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

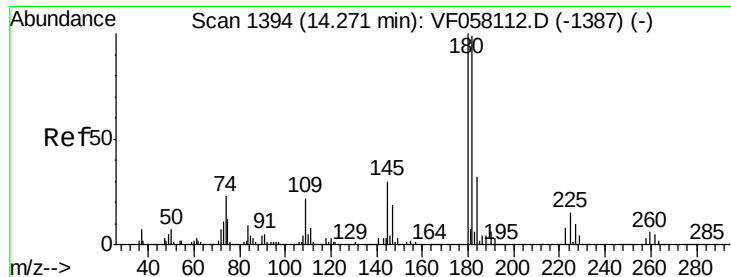
Tgt Ion:146 Resp: 623113
 Ion Ratio Lower Upper
 146 100
 111 44.2 22.0 66.0
 148 66.9 33.1 99.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.40 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF058113.D
 Acq: 6 Jun 2018 18:09

Tgt Ion: 75 Resp: 64450
 Ion Ratio Lower Upper
 75 100
 155 72.3 38.0 114.0
 157 92.7 45.1 135.5

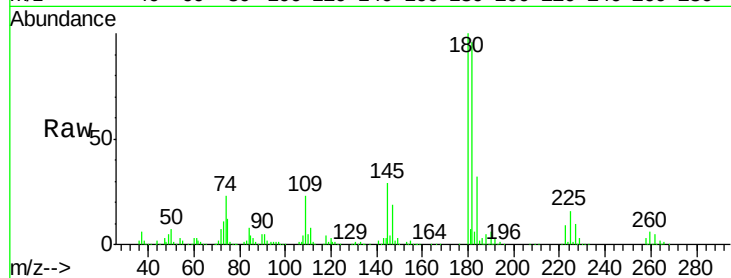




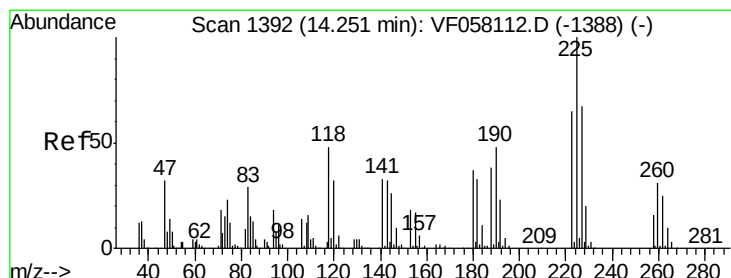
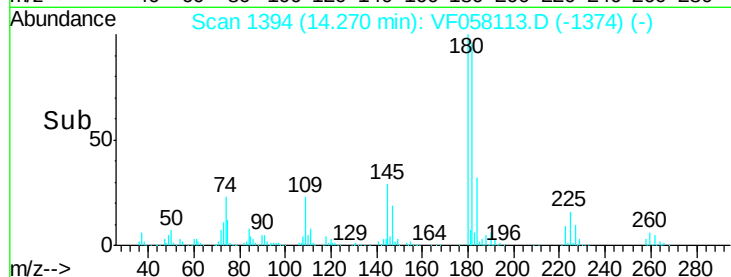
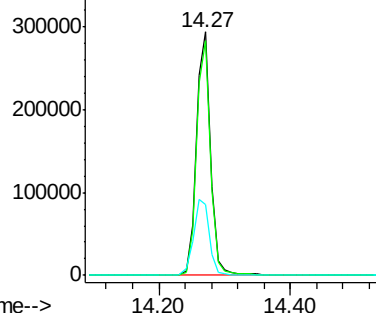
#93
 1,2,4-Trichlorobenzene
 Concen: 65.73 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF058113.D
 Acq: 6 Jun 2018 18:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 443448
 Ion Ratio Lower Upper
 180 100
 182 96.3 49.3 147.9
 145 29.3 14.9 44.9

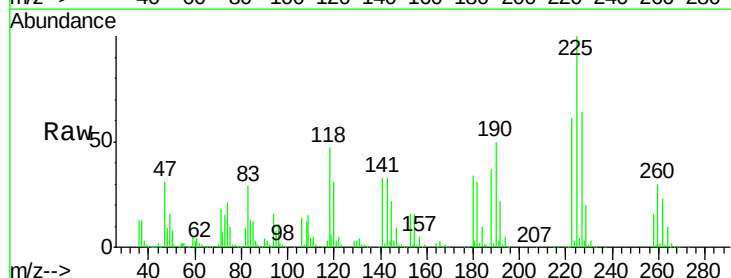


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

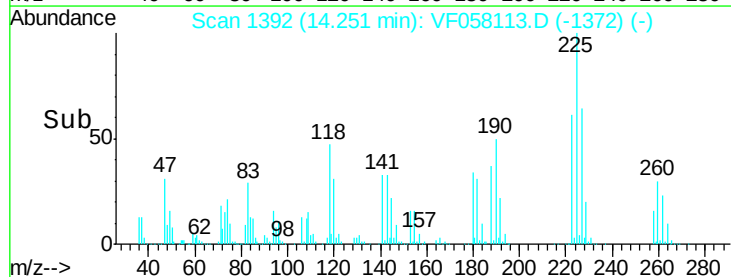
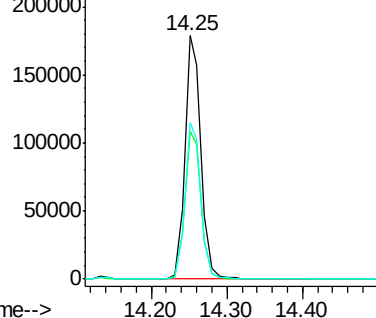


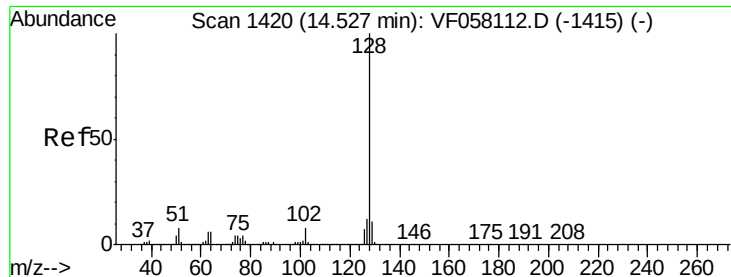
#94
 Hexachlorobutadiene
 Concen: 68.92 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF058113.D
 Acq: 6 Jun 2018 18:09

Tgt Ion:225 Resp: 268438
 Ion Ratio Lower Upper
 225 100
 223 60.8 32.8 98.3
 227 64.3 33.3 99.9



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: 65.22 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

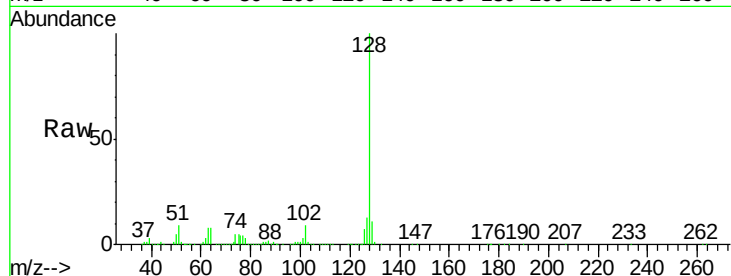
Tgt Ion:128 Resp: 939251

Ion Ratio Lower Upper

128 100

127 13.0 9.9 14.9

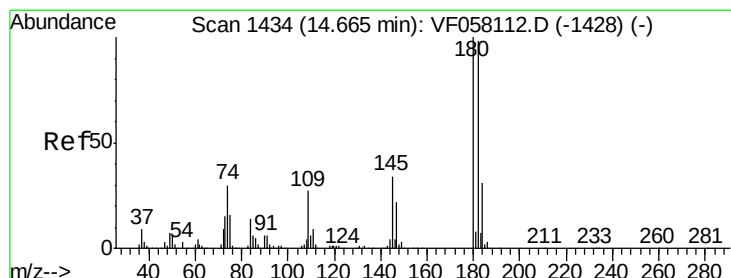
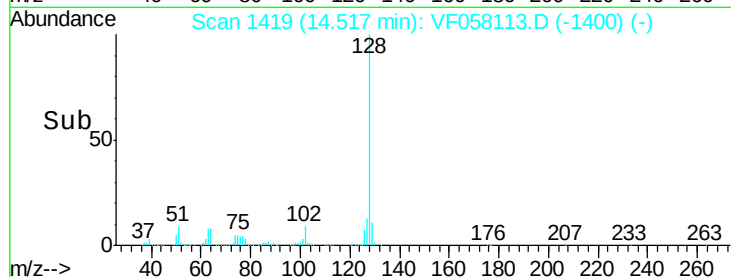
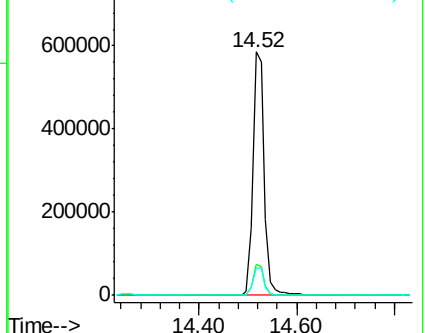
129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 65.01 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VF058113.D

Acq: 6 Jun 2018 18:09

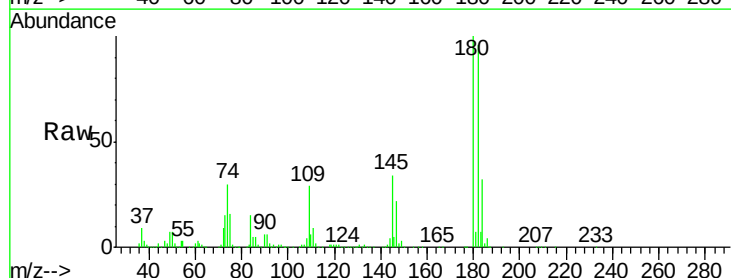
Tgt Ion:180 Resp: 413212

Ion Ratio Lower Upper

180 100

182 96.2 48.9 146.6

145 34.2 17.3 51.7



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

